



# WT85

## W85PLUS

DOORS & WINDOWS SYSTEM

|                              |           |
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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.

● **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 / ADVANTAGE / CERTIFICATES

[WWW.FINEASTRA.COM](http://WWW.FINEASTRA.COM)

**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM



# WT85 & WT85P

- NEW generation thermal system with latest trend flat design.
- Sash Width: 85 mm (Frame width 77 and 88 mm for straight and round profiles accordingly).
- Wall Thickness: WT85 – 1,4 mm and WT85 Plus – 2,0 mm.
- Glass Thickness: between 24 and 66 mm.
- Common corner joints with all other Fineastra System.
- Common accessories and profiles for ECO and PLUS versions.
- Eurogroove and PVC sashes options.
- Adequate sealing with EPDM gasket solutions.
- Safe constructions.
- Multiple solutions.
- A capability of powder painting in any RAL colour, special woodgrain patterns and other surface processing methods such as anodizing.

**GENERAL INFORMATION****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**

| <b>Characteristics</b>  | <b>Classification / Value</b> | <b>Standard</b>     |
|-------------------------|-------------------------------|---------------------|
| 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        |

## GENERAL INFORMATION

### CLASSIFICATION OF CHARACTERISTICS

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

| Characteristic / Value / Dimension                                                                                    | Classification / Value |                                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
|-----------------------------------------------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|------------|-------------|----------------------------|-------------|---------------------------|---------------|---------------------------|-------------|-----------------|--|
| <b>Resistance to wind load</b><br>Test pressure P1 (Pa)                                                               | npd                    | 1<br>(400)                                                            | 2<br>(800) |             | 3<br>(1200)                | 4<br>(1600) |                           | 5<br>(2000)   | Exxxx<br>(>2000)          |             |                 |  |
| <b>Resistance to wind load</b><br>Frame deflection                                                                    | npd                    | A<br>(≤1/150)                                                         |            |             | B<br>(≤1/200)              |             |                           | C<br>(≤1/300) |                           |             |                 |  |
| <b>Resistance to snow and permanent load</b>                                                                          | npd                    | Declared information on the infill (e.g. type and thickness of glass) |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Reaction to fire</b>                                                                                               | npd                    | F                                                                     | E          |             | D                          | C           |                           | B             | A2                        |             | A1              |  |
| <b>External fire performance</b>                                                                                      | npd                    | According to EN 13501-5                                               |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Watertightness</b><br>Non-shielded (A)<br>Test pressure (Pa)                                                       | npd                    | 1A<br>(0)                                                             | 2A<br>(50) | 3A<br>(100) | 4A<br>(150)                | 5A<br>(200) | 6A<br>(250)               | 7A<br>(300)   | 8A<br>(450)               | 9A<br>(600) | Exxxx<br>(>600) |  |
| <b>Watertightness</b><br>Shielded (B)<br>Test pressure (Pa)                                                           | npd                    | 1B<br>(0)                                                             | 2B<br>(50) |             | 3B<br>(100)                | 4B<br>(150) |                           | 5B<br>(200)   | 6B<br>(250)               | 7B<br>(300) |                 |  |
| <b>Dangerous substances</b>                                                                                           | npd                    | As required by regulations                                            |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Impact resistance</b><br>Drop height (mm)                                                                          | npd                    | 200                                                                   |            | 300         |                            | 450         |                           | 700           |                           | 950         |                 |  |
| <b>Load-bearing capacity of safety devices</b>                                                                        | npd <sup>a</sup>       | Threshold value                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Acoustic performance</b><br>Sound insulation<br>R <sub>w</sub> (C;C <sub>tr</sub> ) (dB)                           | npd                    | Declared values                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Thermal transmittance</b><br>U <sub>w</sub> (W/(m².K))                                                             | npd                    | Declared values                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Radiation properties</b><br>Solar factor (g)                                                                       | npd                    | Declared values                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Radiation properties</b><br>Light transmittance (τ <sub>v</sub> )                                                  | npd                    | Declared values                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Air permeability</b><br>Max. test pressure (Pa)<br>Reference air permeability at 100 Pa<br>(m³/(h·m²) or m³/(h·m)) | npd                    | 1<br>(150)<br>(50 or 12.50)                                           |            |             | 2<br>(300)<br>(27 or 6.75) |             | 3<br>(600)<br>(9 or 2.25) |               | 4<br>(600)<br>(3 or 0.75) |             |                 |  |
| <b>Operating forces<sup>b</sup></b>                                                                                   | npd                    | 1                                                                     |            |             |                            |             | 2                         |               |                           |             |                 |  |
| <b>Mechanical strength</b>                                                                                            | npd                    | 1                                                                     |            |             | 2                          |             | 3                         |               | 4                         |             |                 |  |
| <b>Ventilation</b><br>Air flow exponent n<br>Air flow characteristic K<br>Air flow rates                              | npd                    | Declared values                                                       |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Bullet resistance</b>                                                                                              | npd                    | FB1                                                                   | FB2        |             | FB3                        | FB4         | FB5                       | FB6           | FB7                       | FSG         |                 |  |
| <b>Explosion resistance</b><br>Shock tube                                                                             | npd                    | EPR1                                                                  |            |             | EPR2                       |             | EPR3                      |               | EPR4                      |             |                 |  |
| <b>Explosion resistance</b><br>Range test                                                                             | npd                    | EXR1                                                                  |            |             | EXR2                       |             | EXR3                      |               | EXR4                      |             | EXR5            |  |
| <b>Resistance to repeated opening and closing</b><br>Number of cycles                                                 | npd                    | 5000                                                                  |            |             |                            | 10 000      |                           |               | 20 000                    |             |                 |  |
| <b>Behavior between different climates</b>                                                                            | npd                    | Under development                                                     |            |             |                            |             |                           |               |                           |             |                 |  |
| <b>Burglar resistance</b>                                                                                             | npd                    | 1                                                                     | 2          |             | 3                          | 4           |                           | 5             | 6                         |             |                 |  |

NOTE 1: npd: no performance determined

NOTE 2: The figures in brackets are for information

<sup>a</sup> Only if safety device(s) is (are) not provided

<sup>b</sup> Manually operated windows only

**BUILDING RESEARCH INSTITUTE - NISI****NOTIFIED LABORATORY**Identification number **NB 2032** of the European Commission

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## TEST REPORT

### PRODUCT TYPE DETERMINATION

№ PTD-24.28 / 24.09.2024



The tests are carried out in compliance with the *Regulation (EU) № 305/2011 (CPR) of the European Parliament and of the Council of the European Union.*

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product:</b>                 | Window made of aluminium profiles with thermal break, "FINEASTRA" system, "WT85" series                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Producer:</b>                | "LINK" LTD,<br>1 Hrishtensko shose Str., Stara Zagora, Bulgaria,                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applicant:</b>               | "LINK" LTD,<br>1 Hrishtensko shose Str., Stara Zagora, Bulgaria,                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Document for assignment:</b> | Contract No 47 / 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AVCP System:</b>             | System "3" according to EN 14351-1:2006+A2:2016                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Test samples:</b>            | One window with dimensions 1750/1330 mm that is manufactured in July 2024.<br>Detailed data on the test window presented by the Applicant are given in Annex 1.                                                                                                                                                                                                                                                                                                                  |
| <b>Test period:</b>             | From 19.08.2024 to 20.09.2024                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Assessment performance:</b>  | The presented window made of aluminium profiles with thermal break "FINEASTRA" system, "WT85" series is assessed according to EN 14351-1:2006+A2:2016 and corresponds to class 2A in terms of watertightness, class C1 in terms of resistance to wind load, class 2 in terms of air permeability and thermal transmittance coefficient of the profiles (average) $U_f = 1,70 \text{ W / (m}^2 \cdot \text{K)}$ and of the window $U_w = 0,92 \text{ W / (m}^2 \cdot \text{K)}$ . |

Head of Test Laboratory

Res. Ass. Eng. Tsvetana Gyurova

General Manager of NISI

Maya Koseva



The Test Report consists of 13 pages. Copies of separate parts of the Test Report can be made with written consent of the NISI Ltd.

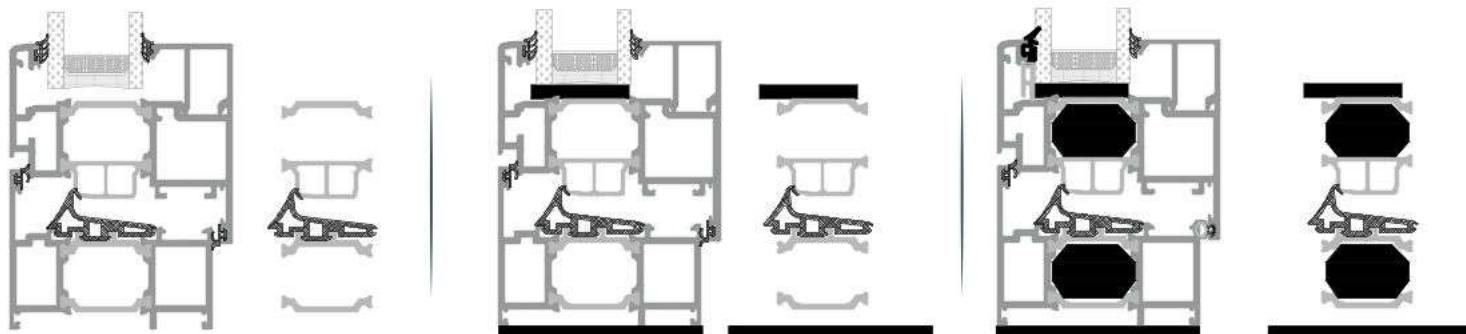
## THERMAL PERFORMANCE ANALYSES

Thermal transmittance (Uf) computation performed in accordance with EN ISO 10077-2:2012

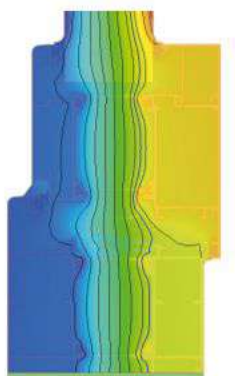
**BASIC**

**IMPROVED**

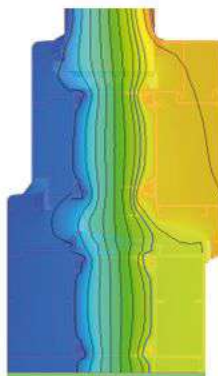
**HIGH LEVEL**



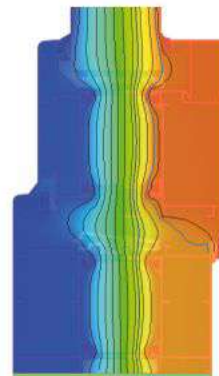
### WT85-DOOR FRAMES SECTION



Transmittance(u<sub>f</sub>): 2.5249 W/m K

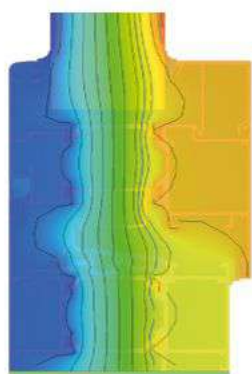


Transmittance(u<sub>f</sub>): 2.4543 W/m K

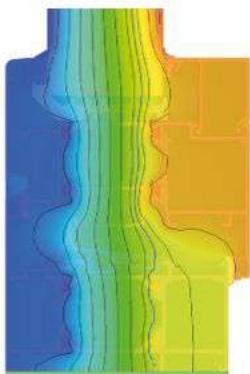


Transmittance(u<sub>f</sub>): 1.4802 W/m K

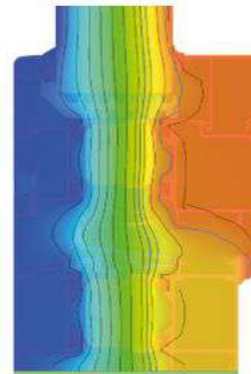
### WT85-WINDOW FRAMES SECTION



Transmittance(u<sub>f</sub>): 2.4028 W/m K



Transmittance(u<sub>f</sub>): 2.2760 W/m K



Transmittance(u<sub>f</sub>): 1.7099 W/m K



# **BUILDING PHYSICS**

**DIMENSIONING / FORMULAS / EXAMPLES**

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**WT85**  
&  
**WT85P**  
DOORS & WINDOWS 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 650 °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<sub>0,7</sub> Si)**

**EN AW-6061 (Al Mg<sub>1</sub> Si Cu)**

**EN AW-6005 (Al Si Mg)**

**EN AW-6082 (Al Si<sub>1</sub> 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            | $E_{al} = 70\,000 \text{ N/mm}^2 = 7 \cdot 10^9 \text{ kg/m}^2$                         |
| 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

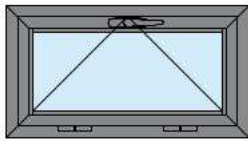
Aluminium scrap can be continuously recycled without any loss of value or properties. In many instances, aluminium is combined with other materials such as steel or plastics, which are most frequently mechanically separated from aluminium before being melted.



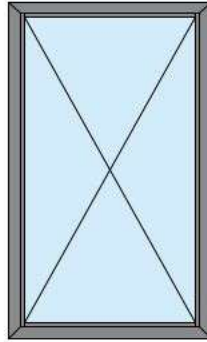
# TYPOLOGIES

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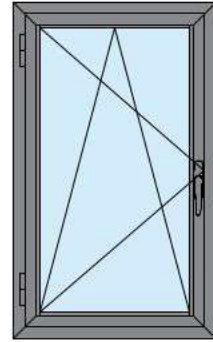
**WT85**  
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**WT85P**  
DOORS & WINDOWS SYSTEM



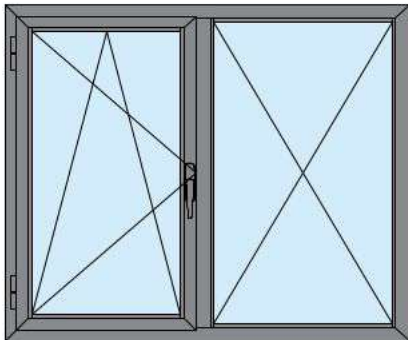
ventilation window



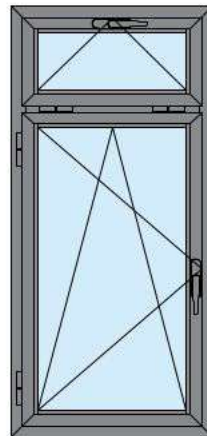
fixed window



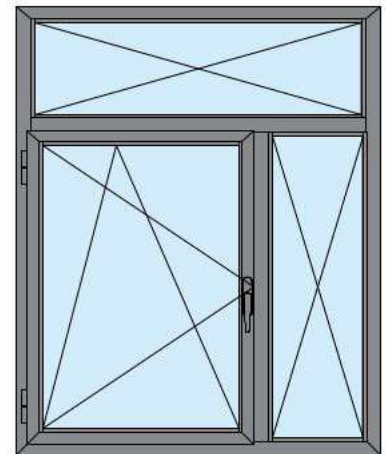
single sash window



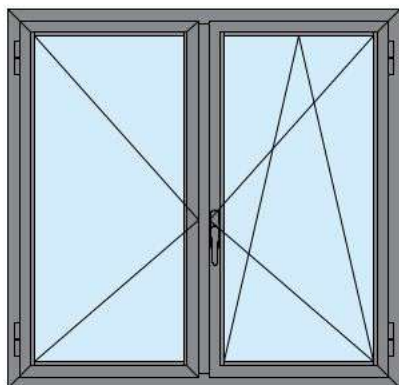
single sash window  
with fixed on side



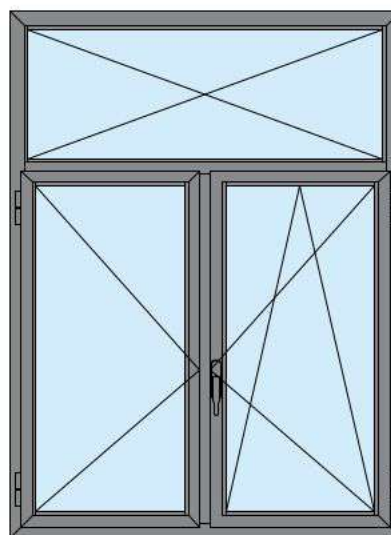
single sash window  
with skylight above



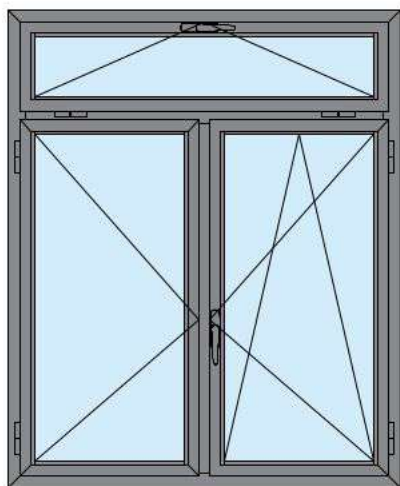
single sash window  
with fixed on side and above



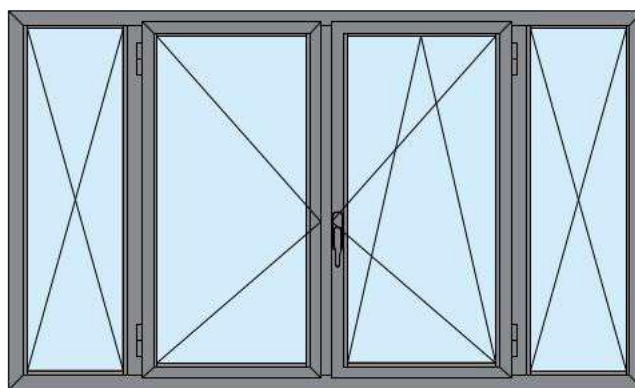
double sash window



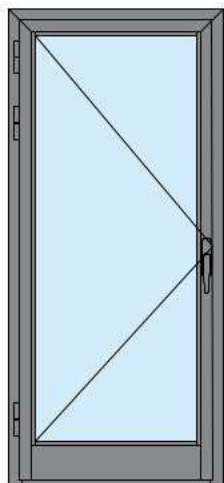
double sash window  
with fixed above



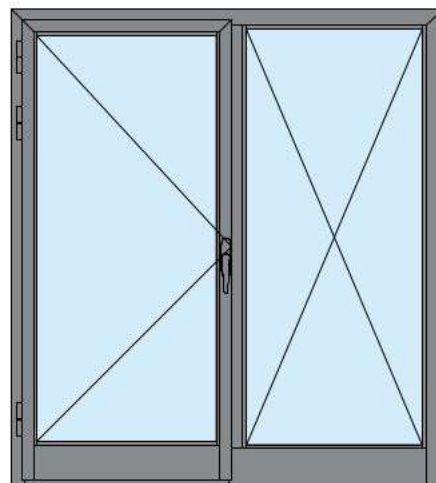
double sash window  
with ventilation skylight above



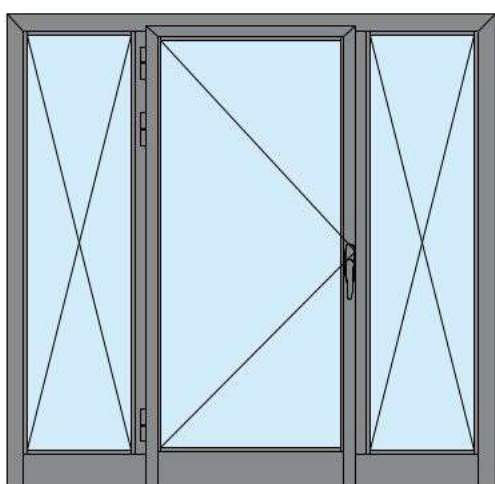
double sash window  
with fixed sides



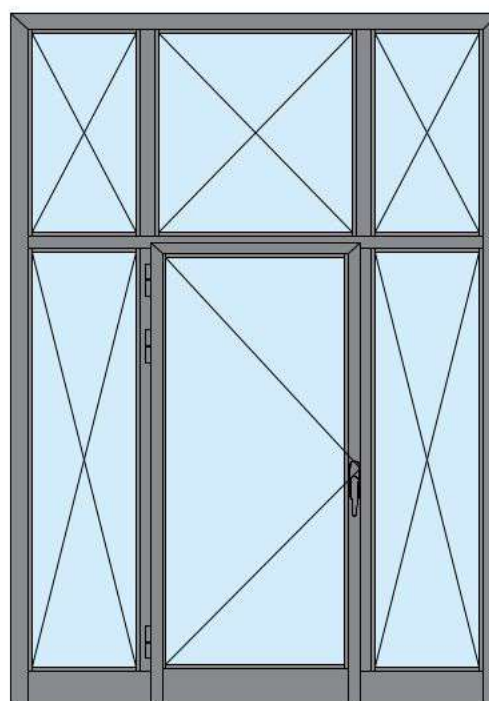
single sash door



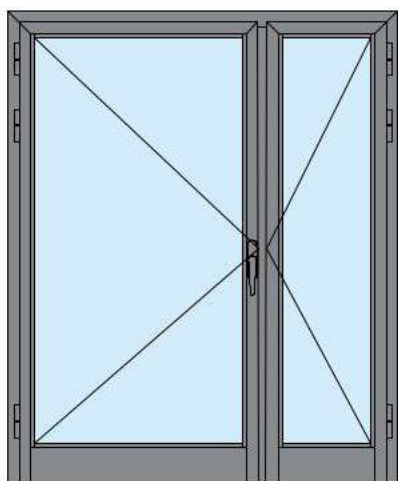
single sash door  
with fixed on side



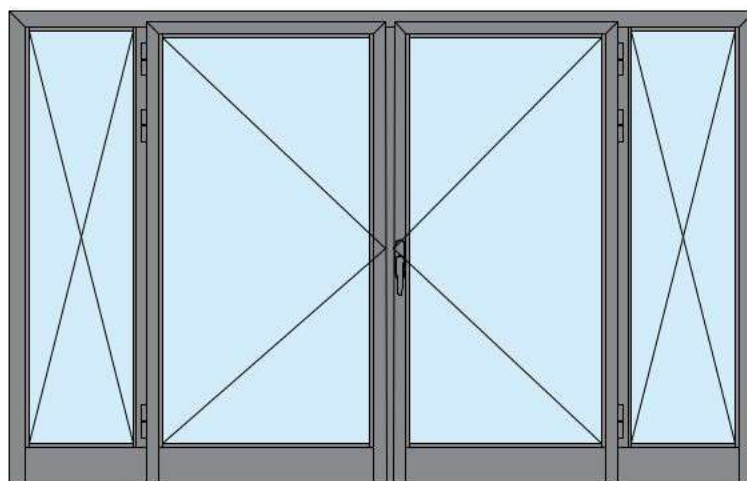
single sash door  
with fixed sides



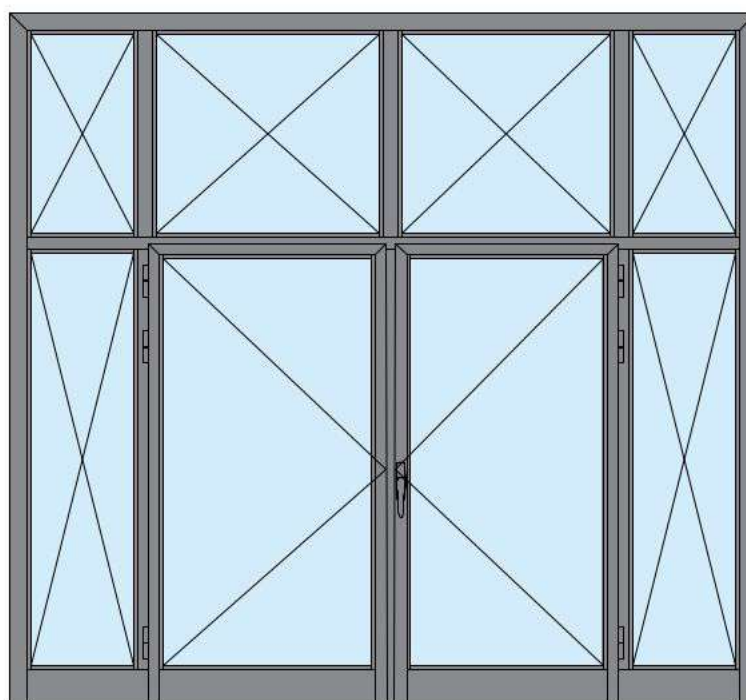
single sash door  
with fixed sides and above



double sash door



double sash door  
with fixed sides



double sash door  
with fixed sides and above

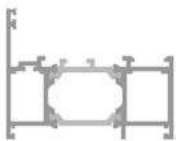
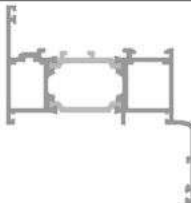
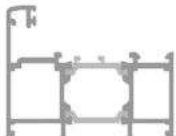
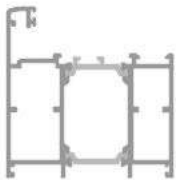


## PROFILES OVERVIEW

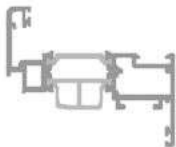
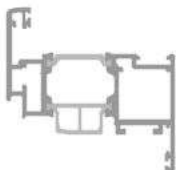
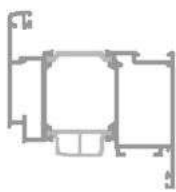
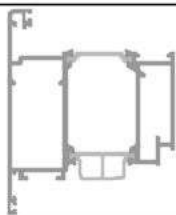
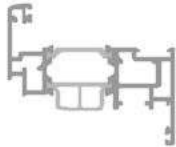
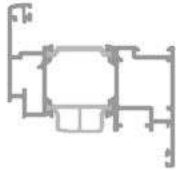
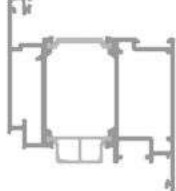
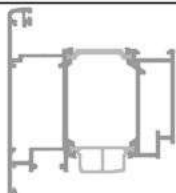
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**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM

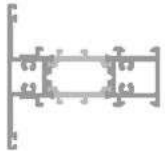
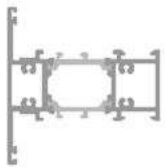
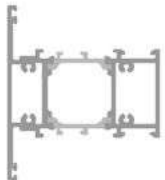
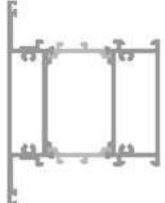
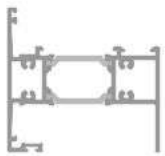
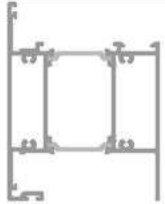
## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE | DESCRIPTION         | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|-------|---------------------|-------------|
| WT8514-001 |    | WT85   | frame | small frame profile | 1.162 kgr/m |
| WT8514-002 |    | WT85   | frame | medium frame        | 1.378 kgr/m |
| WT8514-005 |    | WT85   | frame | decorative frame    | 1.595 kgr/m |
| WT8514-006 |  | WT85   | frame | small door frame    | 1.562 kgr/m |
| WT8514-008 |  | WT85   | frame | large door frame    | 1.888 kgr/m |

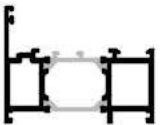
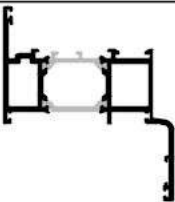
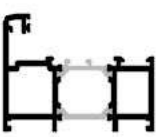
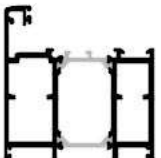
## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE | DESCRIPTION                             | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|-------|-----------------------------------------|-------------|
| WT8514-101 |    | WT85   | sash  | small window sash                       | 1.366 kgr/m |
| WT8514-102 |    | WT85   | sash  | medium window sash                      | 1.587 kgr/m |
| WT8514-103 |    | WT85   | sash  | door sash                               | 1.899 kgr/m |
| WT8514-104 |  | WT85   | sash  | outer opening door sash                 | 2.040 kgr/m |
| WT8514-151 |  | WT85   | sash  | small window sash<br>(pvc groove)       | 1.600 kgr/m |
| WT8514-152 |  | WT85   | sash  | medium window sash<br>(pvc groove)      | 1.738 kgr/m |
| WT8514-153 |  | WT85   | sash  | door sash<br>(pvc groove)               | 2.058 kgr/m |
| WT8514-154 |  | WT85   | sash  | outer opening door sash<br>(pvc groove) | 2.055 kgr/m |

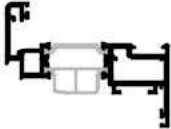
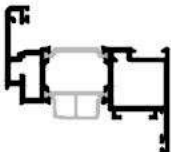
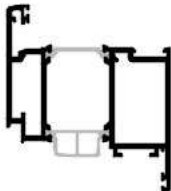
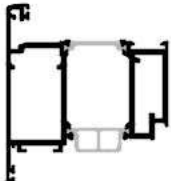
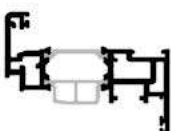
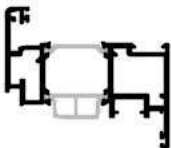
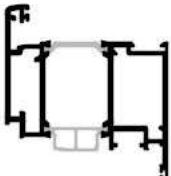
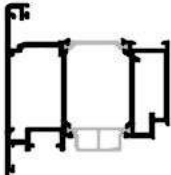
## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE   | DESCRIPTION          | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|---------|----------------------|-------------|
| WT8514-201 |    | WT85   | transom | small transom        | 1.568 kgr/m |
| WT8514-202 |    | WT85   | transom | medium transom       | 1.668 kgr/m |
| WT8514-203 |    | WT85   | transom | large transom        | 1.808 kgr/m |
| WT8514-204 |  | WT85   | transom | extra large transom  | 2.200 kgr/m |
| WT8514-301 |  | WT85   | transom | small bottom transom | 1.749 kgr/m |
| WT8514-302 |  | WT85   | transom | large bottom transom | 2.218 kgr/m |

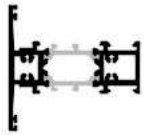
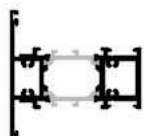
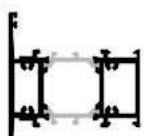
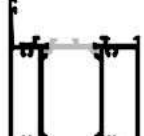
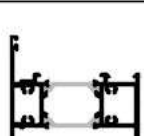
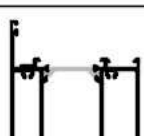
## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE | DESCRIPTION         | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|-------|---------------------|-------------|
| WT8520-001 |    | WT85P  | frame | small frame profile | 1.272 kgr/m |
| WT8520-002 |    | WT85P  | frame | medium frame        | 1,537 kgr/m |
| WT8520-005 |    | WT85P  | frame | decorative frame    | 1.835 kgr/m |
| WT8520-006 |  | WT85P  | frame | small door frame    | 1.808 kgr/m |
| WT8520-008 |  | WT85P  | frame | large door frame    | 2.283 kgr/m |

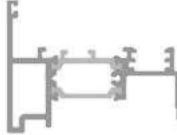
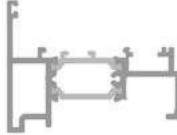
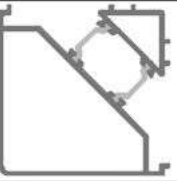
## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE | DESCRIPTION                             | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|-------|-----------------------------------------|-------------|
| WT8520-101 |    | WT85P  | sash  | small window sash                       | 1.429 kgr/m |
| WT8520-102 |    | WT85P  | sash  | medium window sash                      | 1.871 kgr/m |
| WT8520-103 |    | WT85P  | sash  | door sash                               | 2.305 kgr/m |
| WT8520-104 |  | WT85P  | sash  | outer opening door sash                 | 2.497 kgr/m |
| WT8520-151 |  | WT85P  | sash  | small window sash<br>(pvc groove)       | 1.876 kgr/m |
| WT8520-152 |  | WT85P  | sash  | medium window sash<br>(pvc groove)      | 2.078 kgr/m |
| WT8520-153 |  | WT85P  | sash  | door sash<br>(pvc groove)               | 2.518 kgr/m |
| WT8520-154 |  | WT85P  | sash  | outer opening door sash<br>(pvc groove) | 2.539 kgr/m |

## PROFILES OVERVIEW

|            | PROFILE                                                                             | SYSTEM | USAGE   | DESCRIPTION          | WEIGHT      |
|------------|-------------------------------------------------------------------------------------|--------|---------|----------------------|-------------|
| WT8520-201 |    | WT85P  | transom | small transom        | 1.747 kgr/m |
| WT8520-202 |    | WT85P  | transom | medium transom       | 1.883 kgr/m |
| WT8520-203 |    | WT85P  | transom | large transom        | 2.077 kgr/m |
| WT8520-204 |  | WT85P  | transom | extra large transom  | 2.617 kgr/m |
| WT8520-301 |  | WT85P  | transom | small bottom transom | 2.017 kgr/m |
| WT8520-302 |  | WT85P  | transom | large bottom transom | 2.665 kgr/m |

## PROFILES OVERVIEW

|          | PROFILE                                                                             | SYSTEM       | USAGE              | DESCRIPTION                           | WEIGHT      |
|----------|-------------------------------------------------------------------------------------|--------------|--------------------|---------------------------------------|-------------|
| WT85-401 |    | WT85 / WT85P | central profile    | central sash profile (camera europea) | 1.335 kgr/m |
| WT85-451 |    | WT85 / WT85P | central profile    | central sash profile (pvc groove)     | 1.344 kgr/m |
| WT85-502 |    | WT85 / WT85P | auxiliary profiles | threshold                             | 0.944 kgr/m |
| WT85-504 |   | WT85 / WT85P | auxiliary profiles | sash bottom add-on                    | 1.277 kgr/m |
| WT85-503 |  | WT85 / WT85P | auxiliary profiles | water drainage                        | 0.312 kgr/m |
| WT85-506 |  | WT85 / WT85P | auxiliary profiles | water drainage                        | 0.295 kgr/m |
| WT85-505 |  | WT85 / WT85P | auxiliary profiles | frame add-on                          | 1.204 kgr/m |
| WT85-507 |  | WT85 / WT85P | auxiliary profiles | frame add-on                          | 1.334 kgr/m |
| WT75-601 |  | WT85 / WT85P | column             | 90° column                            | 1.994 kgr/m |

## PROFILES OVERVIEW

|          | PROFILE                                                                             | SYSTEM       | USAGE              | DESCRIPTION                            | WEIGHT      |
|----------|-------------------------------------------------------------------------------------|--------------|--------------------|----------------------------------------|-------------|
| WT75-602 |    | WT85 / WT85P | column             | 135° column                            | 1.550 kgr/m |
| WT75-603 |    | WT85 / WT85P | column             | variable angle column                  | 1.868 kgr/m |
| WT85-605 |    | WT85 / WT85P | column             | frame add-on for variable angle column | 0.249 kgr/m |
| WT85-604 |   | WT85 / WT85P | column             | reinforcement column                   | 2.213 kgr/m |
| WT85-501 |  | WT85 / WT85P | frame              | frame direction alternation add-on     | 1.296 kgr/m |
| OP-102   |  | WT85 / WT85P | auxiliary profiles | transmission rod                       | 0.102 kgr/m |
| OP-103   |  | WT85 / WT85P | auxiliary profiles | transmission rod                       | 0.130 kgr/m |
| OP-201   |  | WT85 / WT85P | auxiliary profiles | water drainage                         | 0.136 kgr/m |
| OP-301   |  | WT85 / WT85P | auxiliary profiles | small decorative profile               | 0.248 kgr/m |

## PROFILES OVERVIEW

|        | PROFILE                                                                             | SYSTEM       | USAGE              | DESCRIPTION                                | WEIGHT      |
|--------|-------------------------------------------------------------------------------------|--------------|--------------------|--------------------------------------------|-------------|
| OP-302 |    | WT75 / WT75P | auxiliary profiles | large decorative profile                   | 0.330 kgr/m |
| OP-601 |    | WT75 / WT75P | auxiliary profiles | frame connector outside assembling         | 0,104       |
| OP-602 |    | WT75 / WT75P | auxiliary profiles | frame connecting profile inside assembling | 0,064       |
| OP-603 |  | WT75 / WT75P | auxiliary profiles | RAL assembling adapter profile             | 0,168 kg/m  |
| GH-003 |  | WT75 / WT75P | glazing beads      | 3mm glazing bead                           | 0.186 kgr/m |
| GH-006 |  | WT75 / WT75P | glazing beads      | 6mm glazing bead                           | 0.209 kgr/m |
| GH-012 |  | WT75 / WT75P | glazing beads      | 12mm glazing bead                          | 0.246 kgr/m |
| GH-017 |  | WT75 / WT75P | glazing beads      | 17mm glazing bead                          | 0.252 kgr/m |

## PROFILES OVERVIEW

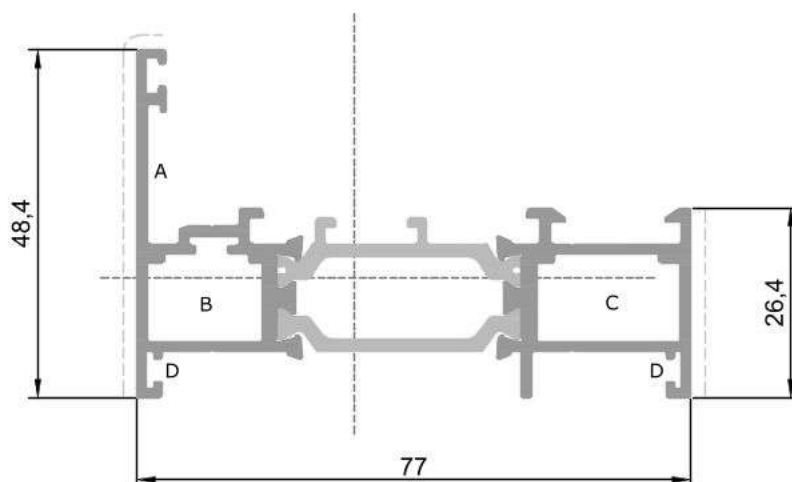
|         | PROFILE                                                                             | SYSTEM       | USAGE         | DESCRIPTION                      | WEIGHT      |
|---------|-------------------------------------------------------------------------------------|--------------|---------------|----------------------------------|-------------|
| GH-020  |    | WT75 / WT75P | glazing beads | 20mm glazing bead                | 0.263 kgr/m |
| GH-023  |    | WT75 / WT75P | glazing beads | 23mm glazing bead                | 0.276 kgr/m |
| GH-028  |    | WT75 / WT75P | glazing beads | 28mm glazing bead                | 0.294 kgr/m |
| GH-031  |  | WT75 / WT75P | glazing beads | 31mm glazing bead                | 0.304 kgr/m |
| KTP-106 |  | WT75 / WT75P | accessory     | 10.6mm connection corner profile | 2.536 kgr/m |
| KTP-225 |  | WT75 / WT75P | accessory     | 22.5mm connection corner profile | 3.320 kgr/m |
| KTP-427 |  | WT75 / WT75P | accessory     | 42.7mm connection corner profile | 4.500 kgr/m |



# PROFILES 1:1

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**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM



### WT8514-001

#### Small Frame

Weight = 1.162 kgr/m

Perimeter = 331.9mm

$I_x = 4.09\text{cm}^4$      $I_y = 21.46\text{cm}^4$

Visible Area -----

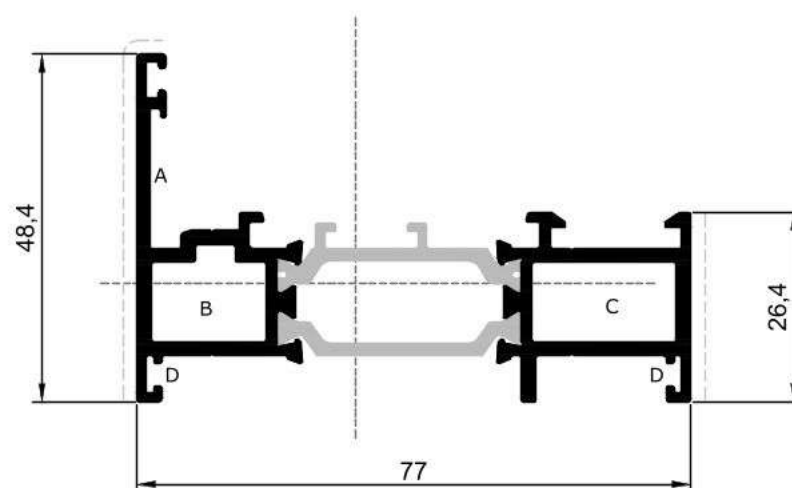
A CR-2000

B KT-106-155

C KT-225-195

CR-1119

D CR-1900



### WT8520-001

#### Small Frame

Weight = 1.272 kgr/m

Perimeter = 331.4mm

$I_x = 4.48\text{cm}^4$      $I_y = 24.85\text{cm}^4$

Visible Area -----

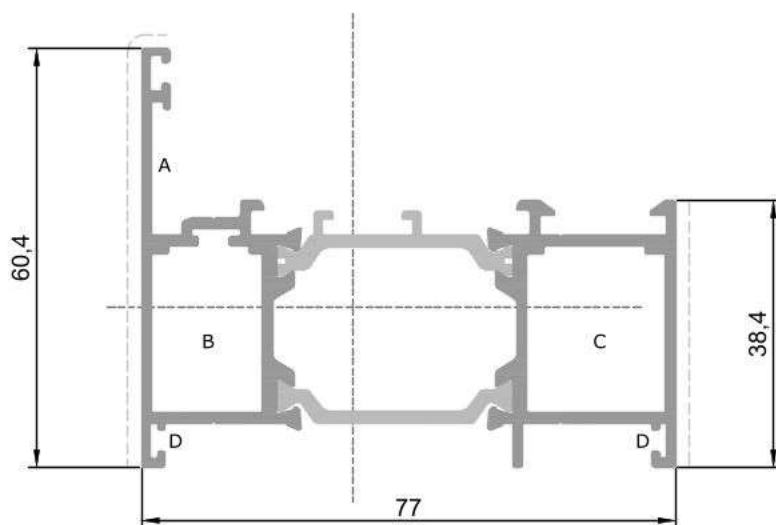
A CR-2000

B KT-106-155

C KT-106-195

CR-1119

D CR-1900



### WT8514-002

#### Medium Frame

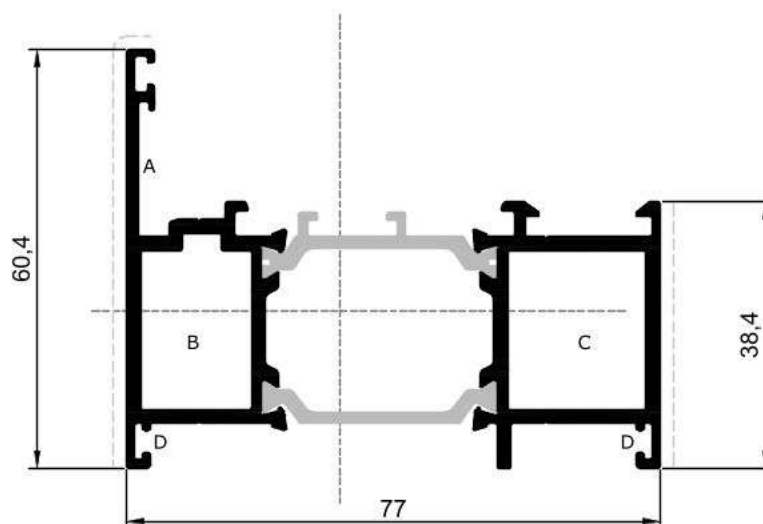
Weight = 1.378 kg/m

Perimeter = 356mm

$I_x = 9.43\text{cm}^4$   $I_y = 25.9\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-155 |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |



### WT8520-002

#### Medium Frame

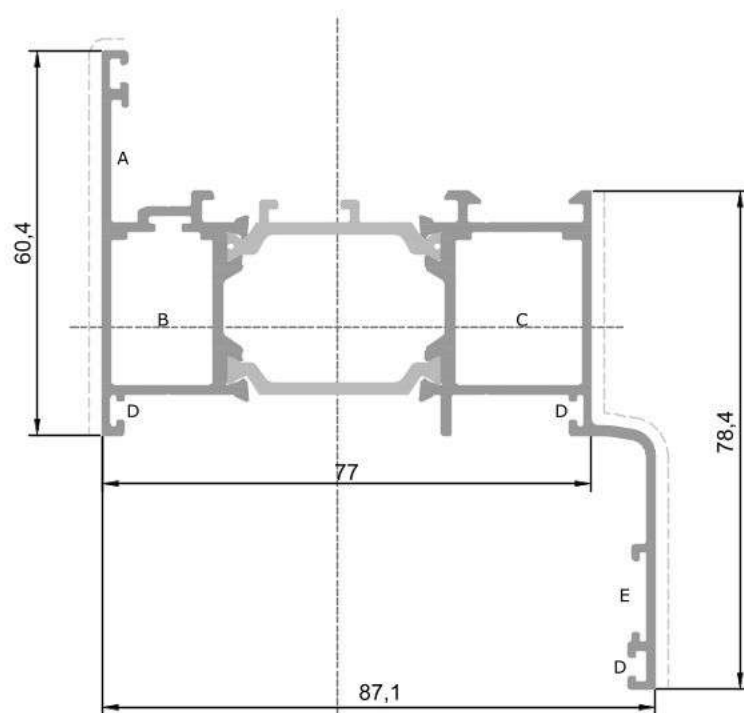
Weight = 1.537 kg/m

Perimeter = 355.4mm

$I_x = 10.44\text{cm}^4$   $I_y = 30.77\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-155 |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |



### WT8514-005

#### Decorative Frame

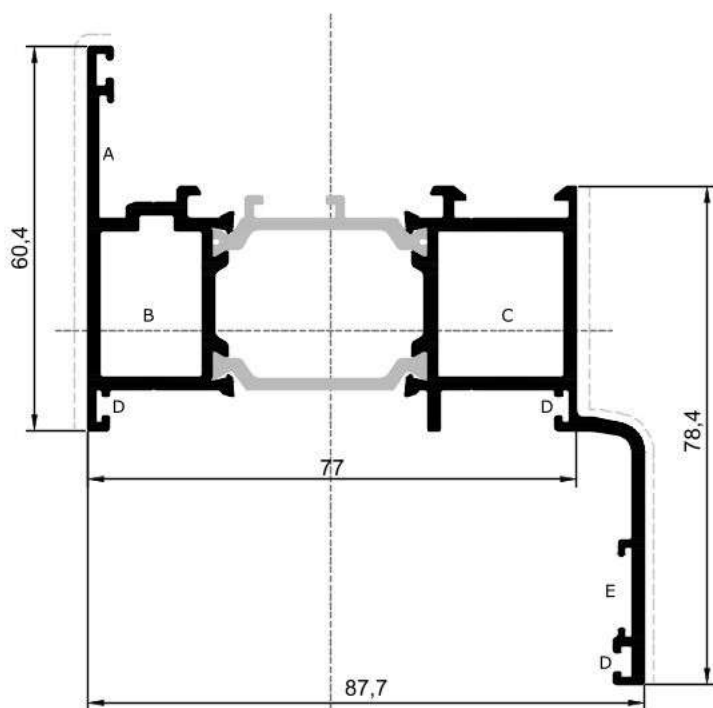
Weight = 1.595 kgr/m

Perimeter = 473.9mm

$I_x = 22.94\text{cm}^4$   $I_y = 39.69\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-155 |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |
| E | CR-1910    |



### WT8520-005

#### Decorative Frame

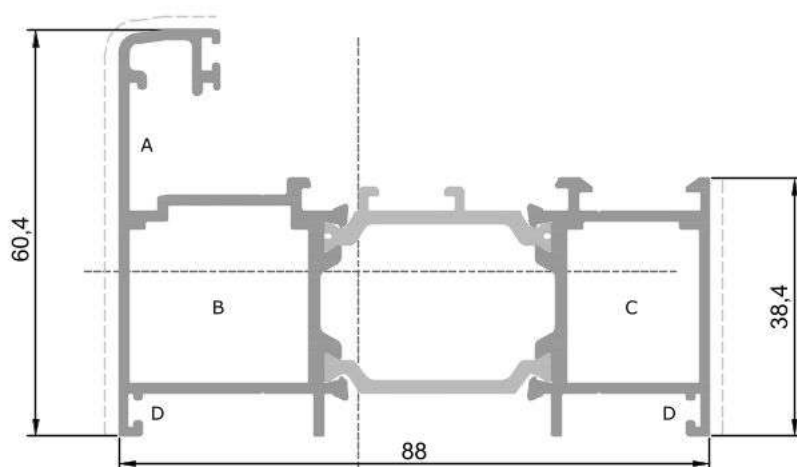
Weight = 1.835 kgr/m

Perimeter = 474.4mm

$I_x = 27.51\text{cm}^4$   $I_y = 49.18\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-155 |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |
| E | CR-1910    |



### WT8514-006

#### Small Door Frame

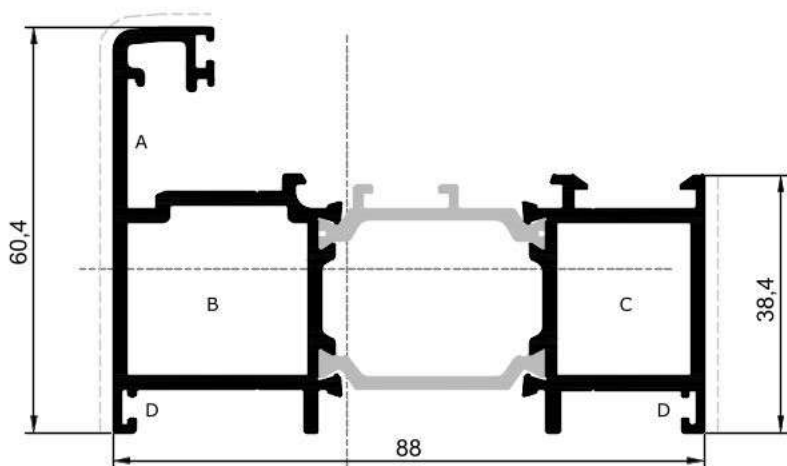
Weight = 1.562 kgr/m

Perimeter = 429.6mm

$I_x = 13.73 \text{ cm}^4$      $I_y = 38.39 \text{ cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-026 |
|   | CR-2319    |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |



### WT8520-006

#### Small Door Frame

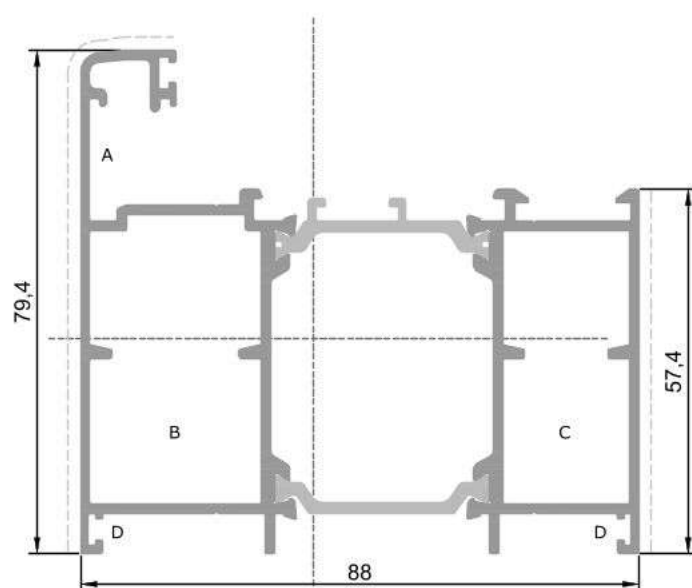
Weight = 1.808 kgr/m

Perimeter = 427.1mm

$I_x = 16.4 \text{ cm}^4$      $I_y = 47.26 \text{ cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-026 |
|   | CR-2319    |
| C | KT-225-195 |
|   | CR-2319    |
| D | CR-1900    |



### WT8514-008

#### Large Door Frame

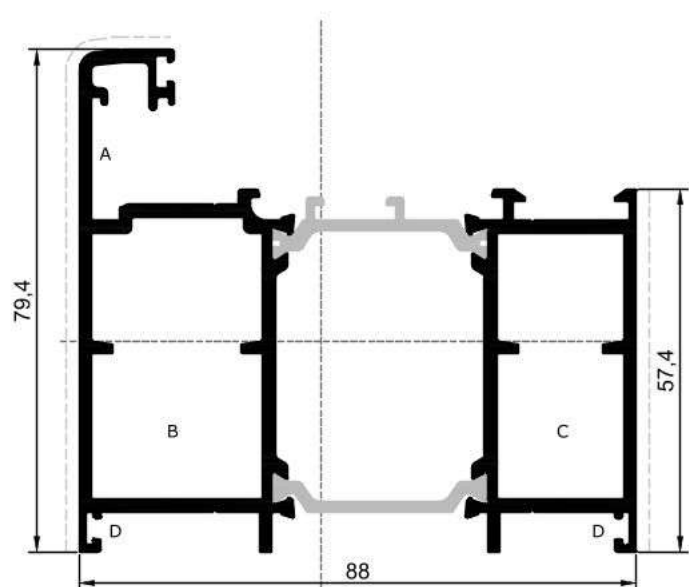
Weight = 1.888 kgr/m

Perimeter = 467.9mm

$I_x = 32.62\text{cm}^4$   $I_y = 48.32\text{cm}^4$

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-225-026<br>CR-2326 |
| C | KT-225-195<br>CR-2319 |
| D | CR-1900               |



### WT8520-008

#### Large Door Frame

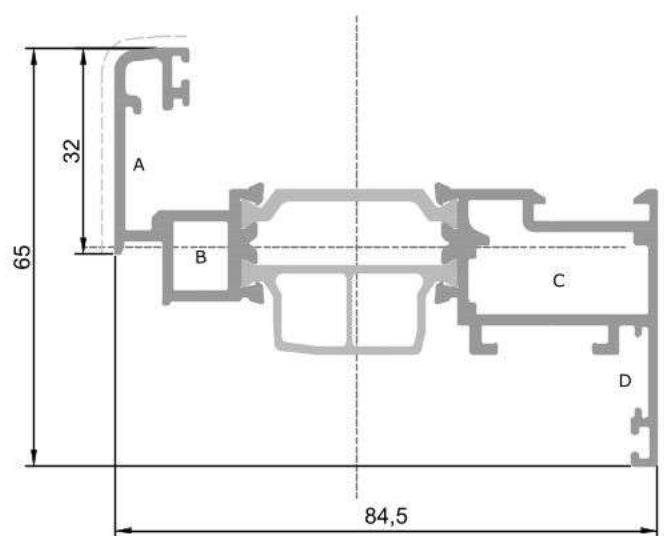
Weight = 2.283 kgr/m

Perimeter = 465.1mm

$I_x = 39.21\text{cm}^4$   $I_y = 61.75\text{cm}^4$

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-225-026<br>CR-2326 |
| C | KT-225-195<br>CR-2319 |
| D | CR-1900               |



### WT8514-101

#### Small Window Sash

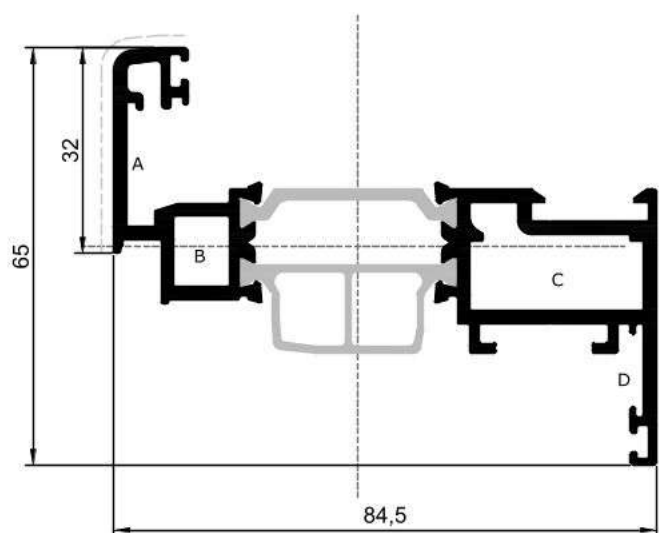
Weight = 1.366 kg/m

Perimeter = 410.76mm

$I_x = 8.16\text{cm}^4$       $I_y = 31.14\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-106-080 |
| C | KT-106-026 |
| D | CR-1126    |
| D | CR-1910    |



### WT8520-101

#### Small Window Sash

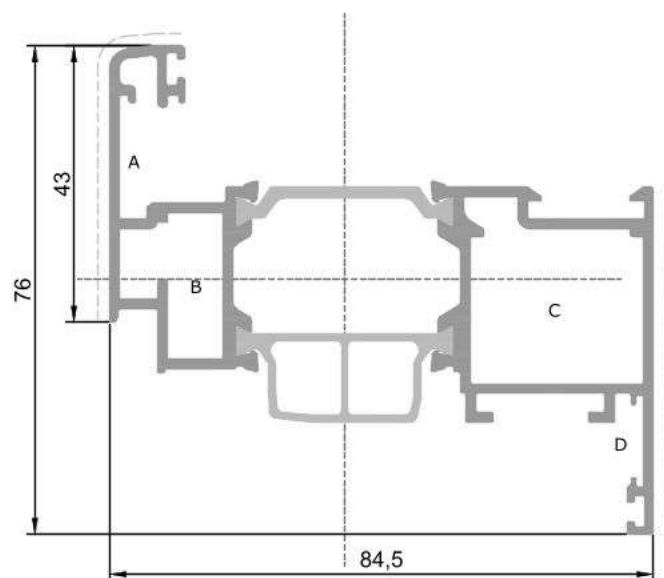
Weight = 1.429 kg/m

Perimeter = 406.25mm

$I_x = 9.57\text{cm}^4$       $I_y = 38\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-106-080 |
| C | KT-106-026 |
| D | CR-1126    |
| D | CR-1910    |



### WT8514-102

#### Medium Window Sash

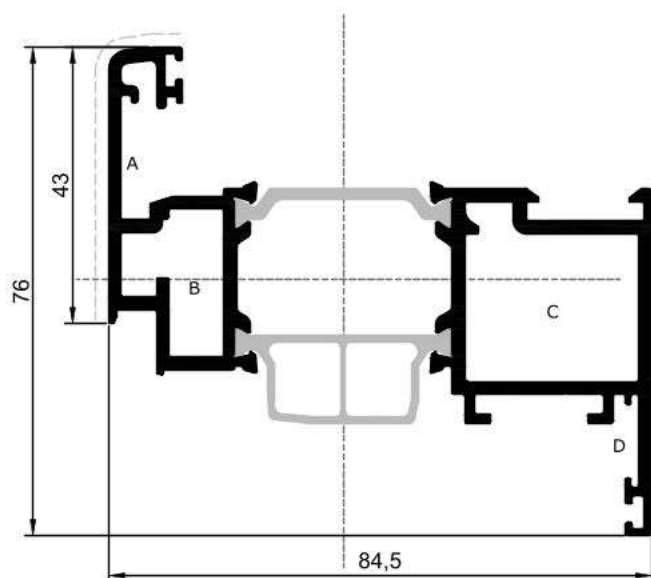
Weight = 1.587 kgr/m

Perimeter = 430mm

$I_x = 14.91\text{cm}^4$      $I_y = 36.9\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-080 |
| C | KT-225-026 |
|   | CR-2326    |
| D | CR-1910    |



### WT8520-102

#### Medium Window Sash

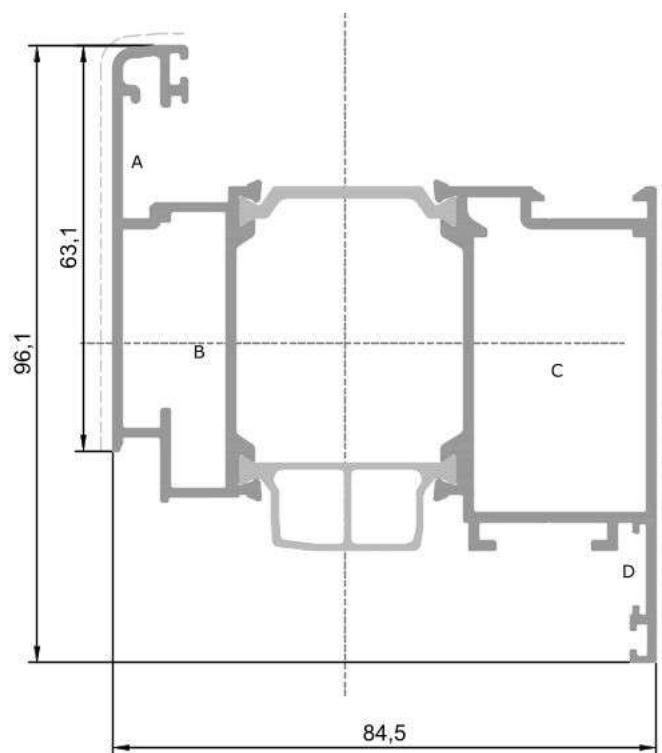
Weight = 1.871 kgr/m

Perimeter = 426.25mm

$I_x = 17.57\text{cm}^4$      $I_y = 46.11\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-080 |
| C | KT-225-026 |
|   | CR-2326    |
| D | CR-1910    |



### WT8514-103

#### Door Sash

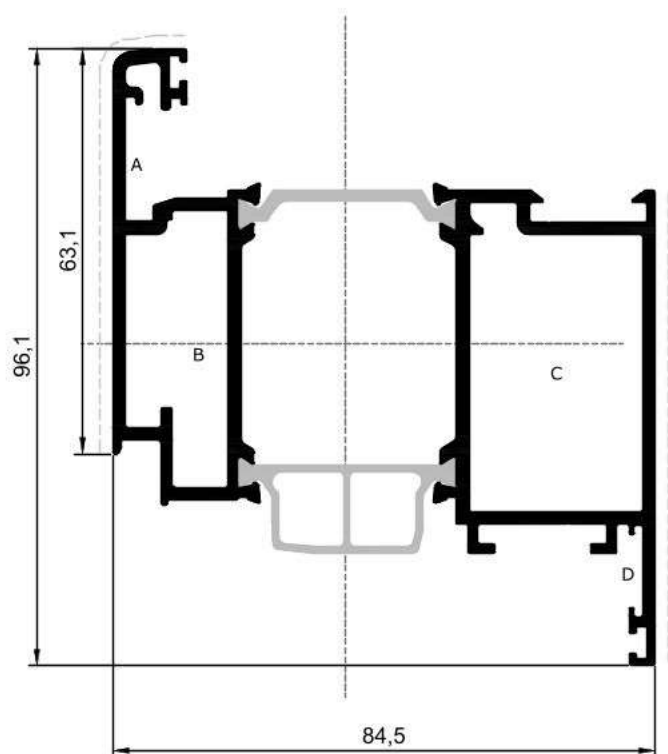
Weight = 1.899 kgr/m

Perimeter = 470.37mm

$I_x = 35.89\text{cm}^4$   $I_y = 45.64\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-427-080 |
| C | KT-427-026 |
|   | CR-2650    |
| D | CR-1910    |



### WT8520-103

#### Door Sash

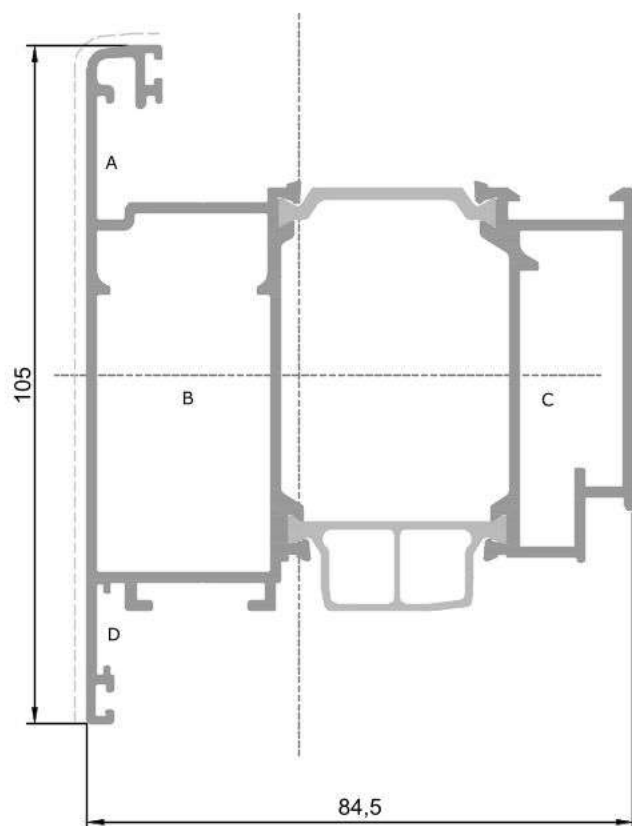
Weight = 2.305 kgr/m

Perimeter = 466.45mm

$I_x = 42.58\text{cm}^4$   $I_y = 58.17\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-427-080 |
| C | KT-427-026 |
|   | CR-2650    |
| D | CR-1910    |



### WT8514-104

#### Outer Opening Door Sash

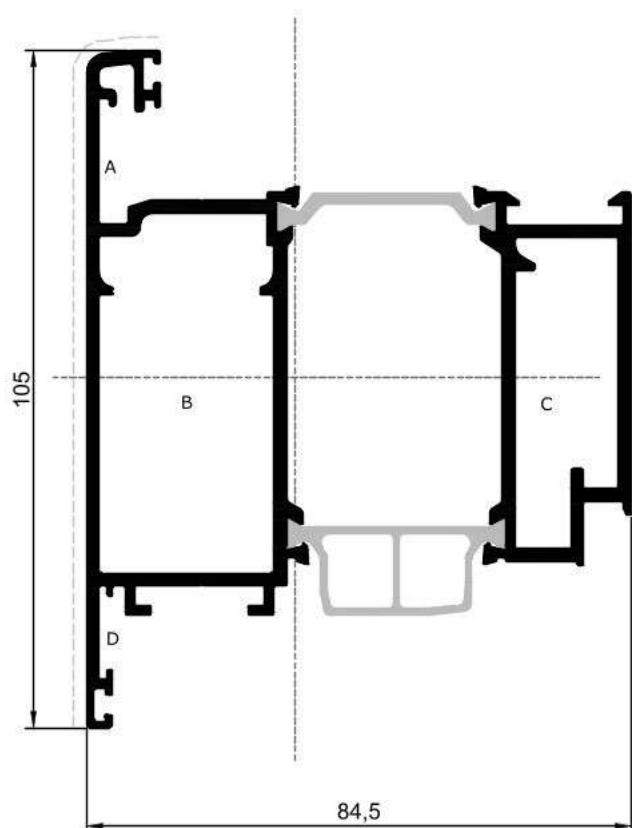
Weight = 2.040 kgr/m

Perimeter = 490.25mm

$I_x = 48.62\text{cm}^4$   $I_y = 48.29\text{cm}^4$

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-427-026<br>CR-2650 |
| C | KT-427-080            |
| D | CR-1910               |



### WT8520-103

#### Outer Opening Door Sash

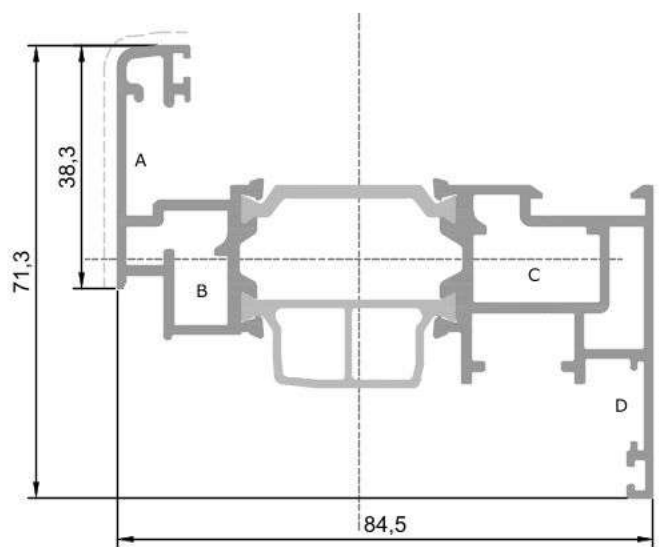
Weight = 2.497 kgr/m

Perimeter = 484.23mm

$I_x = 58.08\text{cm}^4$   $I_y = 62.01\text{cm}^4$

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-427-026<br>CR-2650 |
| C | KT-427-080            |
| D | CR-1910               |



### WT8514-151

Small Window Sash (pvc groove)

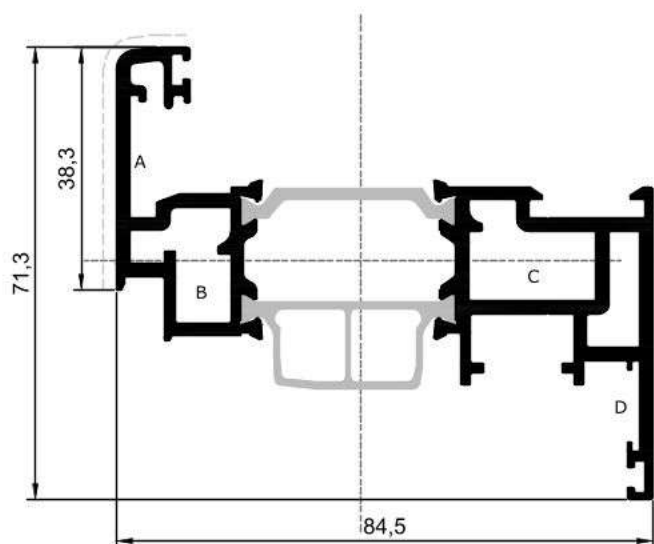
Weight = 1.600 kgr/m

Perimeter = 431,1mm

$I_x = 11,29\text{cm}^4$      $I_y = 36,78\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-106-080 |
| C | KT-106-195 |
| D | CR-1910    |



### WT8520-151

Small Window Sash (pvc groove)

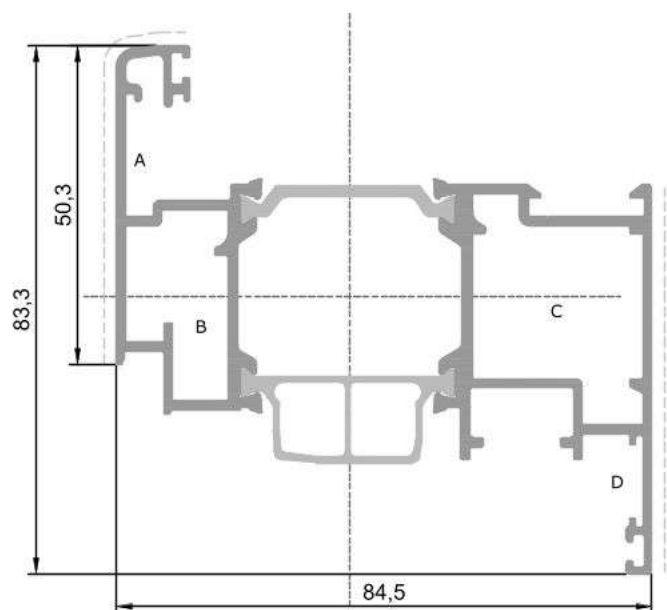
Weight = 1.876 kgr/m

Perimeter = 427mm

$I_x = 13,2\text{cm}^4$      $I_y = 46,11\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-106-080 |
| C | KT-106-195 |
| D | CR-1910    |



### WT8514-152

#### Medium Window Sash (pvc groove)

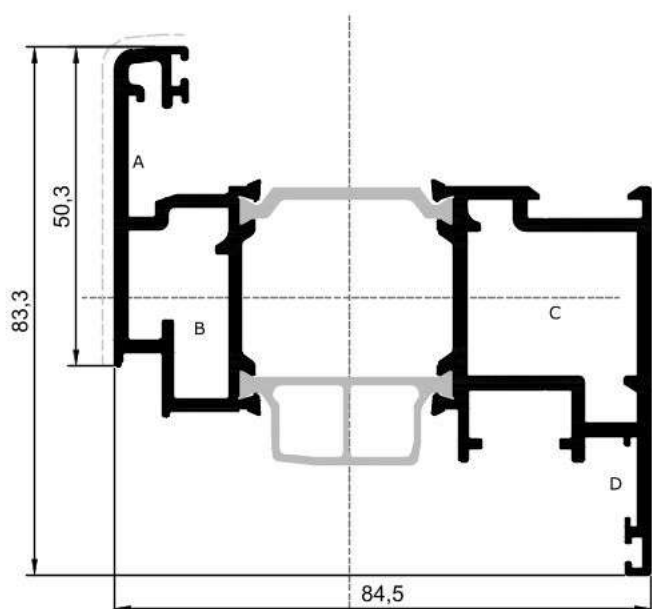
Weight = 1.738 kgr/m

Perimeter = 455mm

$I_x = 20.64\text{cm}^4$   $I_y = 40.72\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-080 |
| C | KT-225-026 |
| D | CR-2326    |
| D | CR-1910    |



### WT8520-152

#### Medium Window Sash (pvc groove)

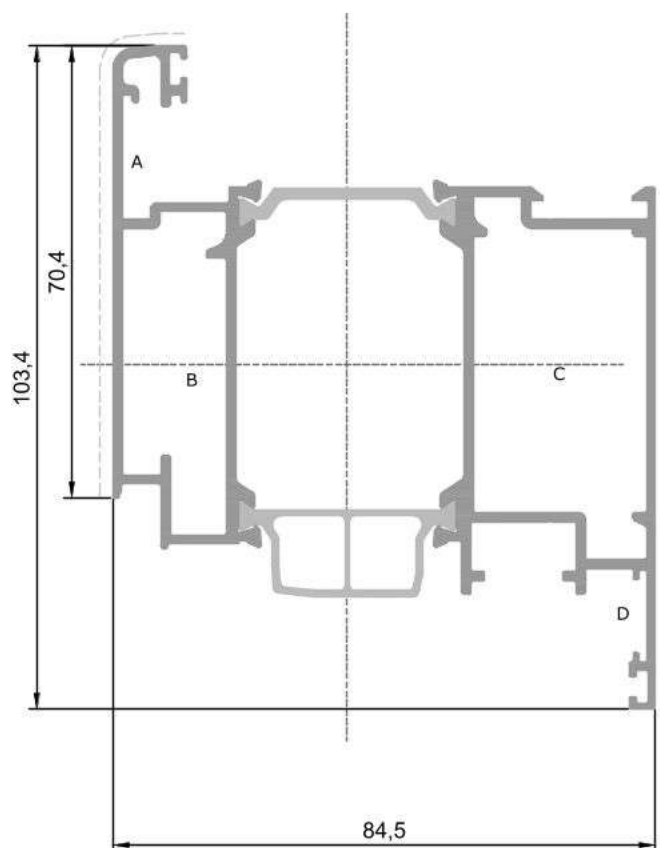
Weight = 2.078 kgr/m

Perimeter = 451.06mm

$I_x = 24.35\text{cm}^4$   $I_y = 51.71\text{cm}^4$

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-225-080 |
| C | KT-225-026 |
| D | CR-2326    |
| D | CR-1910    |



### WT8514-153

#### Door Sash (pvc groove)

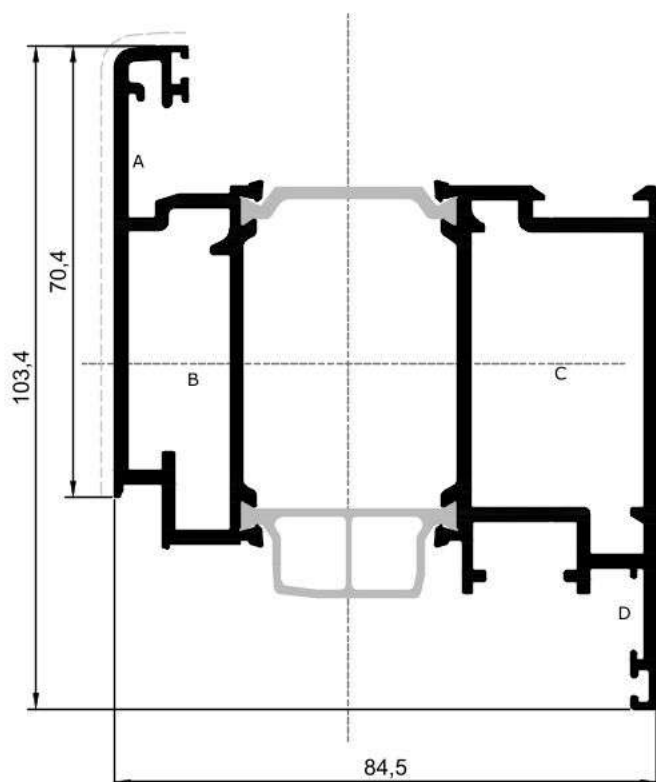
Weight = 2.058 kgr/m

Perimeter = 495.3mm

Ix = 46.40cm<sup>4</sup> Iy = 49.57cm<sup>4</sup>

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-427-080 |
| C | KT-427-026 |
|   | CR-2650    |
| D | CR-1910    |



### WT8520-153

#### Door Sash (pvc groove)

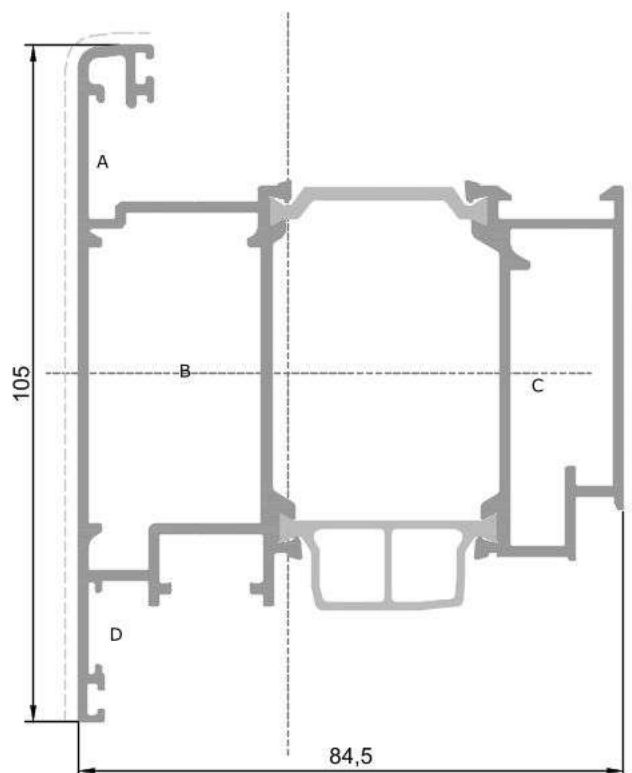
Weight = 2.518 kgr/m

Perimeter = 491.26mm

Ix = 55.35cm<sup>4</sup> Iy = 63.90cm<sup>4</sup>

Visible Area -----

|   |            |
|---|------------|
| A | CR-2000    |
| B | KT-427-080 |
| C | KT-427-026 |
|   | CR-2650    |
| D | CR-1910    |



### WT8514-154

#### Outer Opening Door Sash (pvc groove)

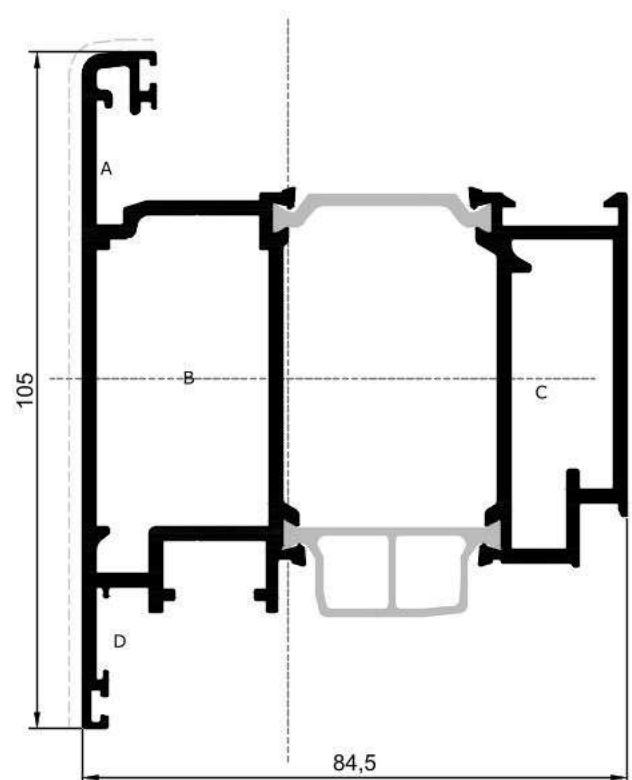
Weight = 2.055 kgr/m

Perimeter = 497.8mm

Ix = 48.11cm<sup>4</sup> Iy = 48.76cm<sup>4</sup>

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-427-026<br>CR-2650 |
| C | KT-427-080            |
| D | CR-1910               |



### WT8520-154

#### Outer Opening Door Sash (pvc groove)

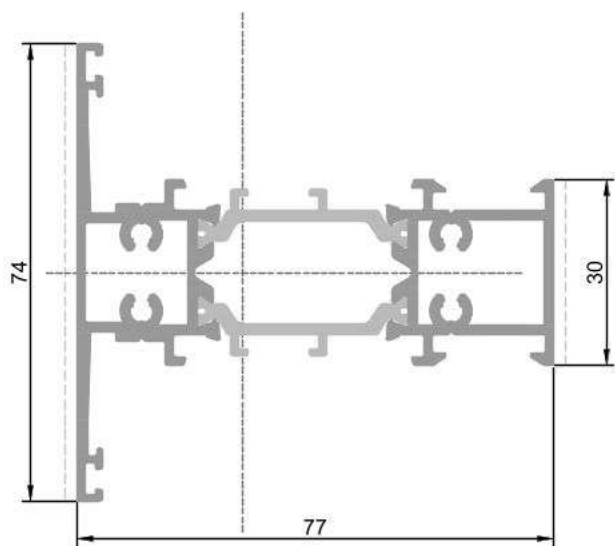
Weight = 2.539 kgr/m

Perimeter = 494.04mm

Ix = 57.79cm<sup>4</sup> Iy = 62.75cm<sup>4</sup>

Visible Area -----

|   |                       |
|---|-----------------------|
| A | CR-2000               |
| B | KT-427-026<br>CR-2650 |
| C | KT-427-080            |
| D | CR-1910               |



### WT8514-201

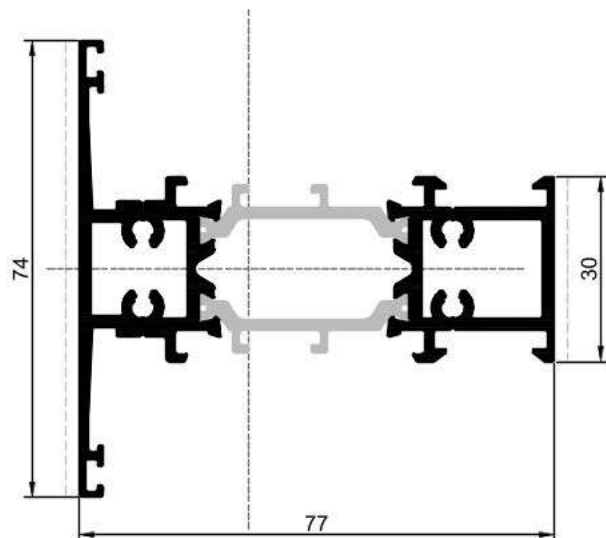
#### Small Transom

Weight = 1.568 kgr/m

Perimeter = 401.1mm

$I_x = 10.15 \text{ cm}^4$      $I_y = 29.2 \text{ cm}^4$

Visible Area .....



### WT8520-201

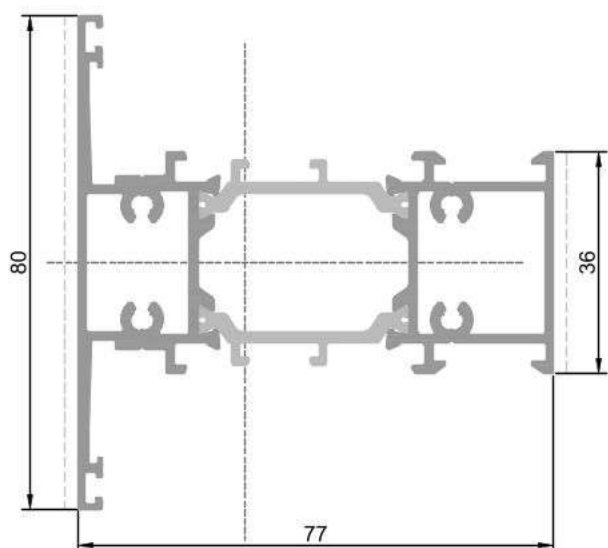
#### Small Transom

Weight = 1.747 kgr/m

Perimeter = 401.5mm

$I_x = 10.46 \text{ cm}^4$      $I_y = 33.69 \text{ cm}^4$

Visible Area .....



### WT8514-202

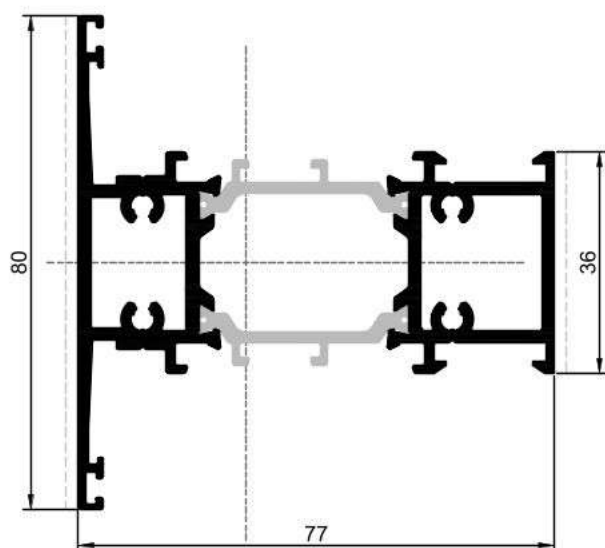
#### Medium Transom

Weight = 1.668 kgr/m

Perimeter = 413.1mm

$I_x = 14.3 \text{ cm}^4$      $I_y = 31.45 \text{ cm}^4$

Visible Area .....



### WT8520-202

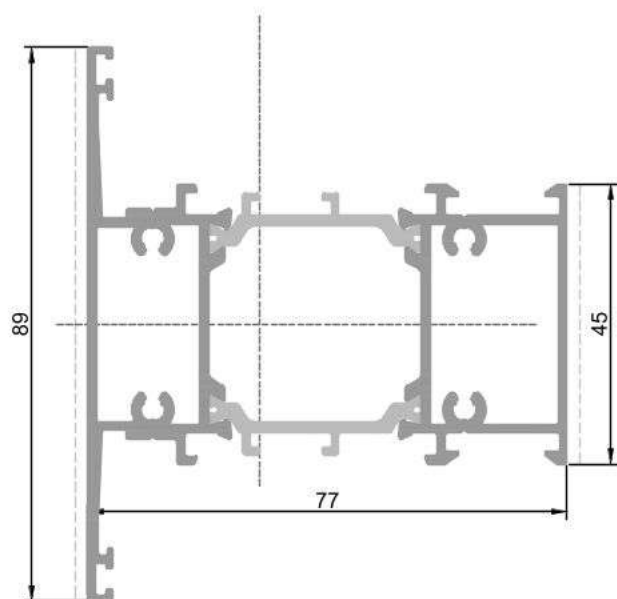
#### Medium Transom

Weight = 1.883 kgr/m

Perimeter = 413.1mm

$I_x = 14.3 \text{ cm}^4$      $I_y = 31.45 \text{ cm}^4$

Visible Area .....



### WT8514-203

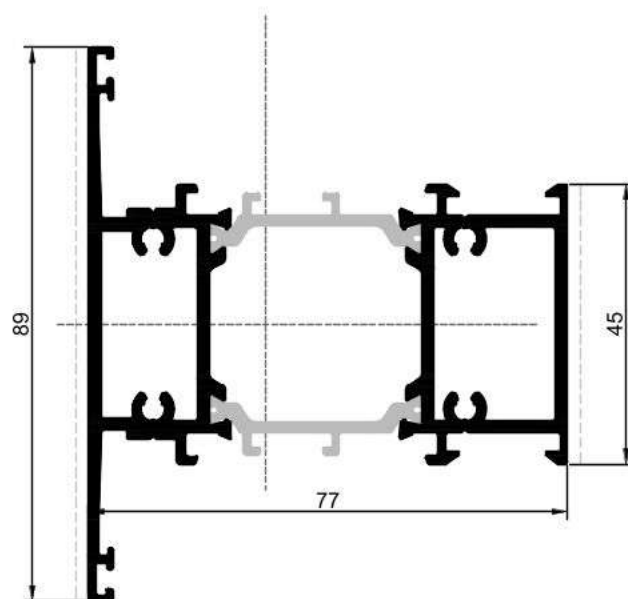
#### Large Transom

Weight = 1.808 kgr/m

Perimeter = 431.1mm

$I_x = 22.53\text{cm}^4$   $I_y = 34.75\text{cm}^4$

Visible Area -----



### WT8520-203

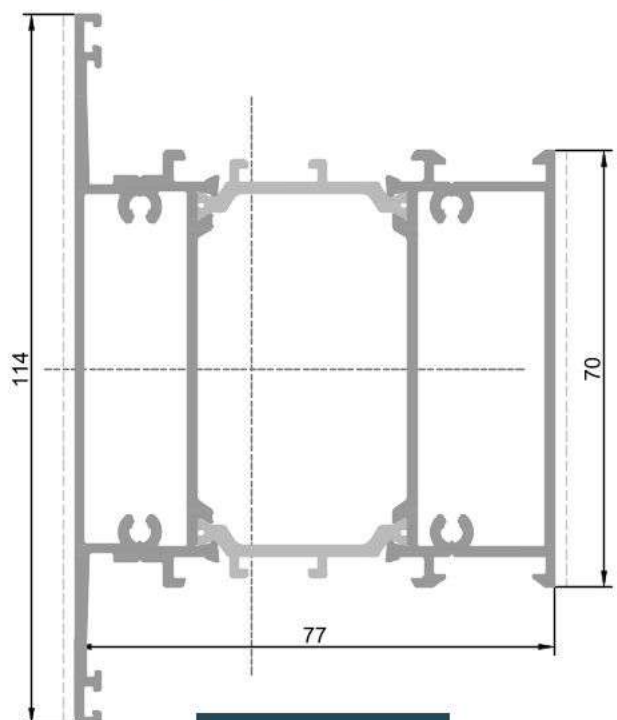
#### Large Transom

Weight = 2.077 kgr/m

Perimeter = 431.5mm

$I_x = 23.9\text{cm}^4$   $I_y = 41.3\text{cm}^4$

Visible Area -----



### WT8514-204

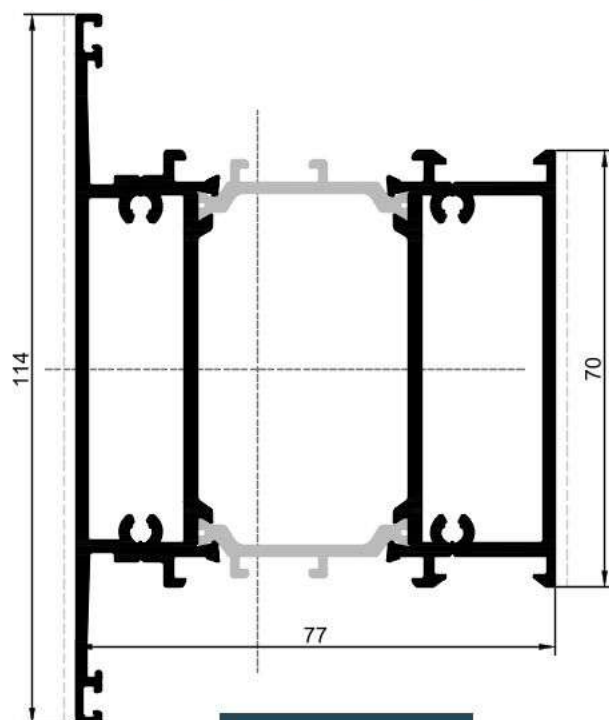
#### Extra Large Transom

Weight = 2.200 kgr/m

Perimeter = 481.1mm

$I_x = 59.57\text{cm}^4$   $I_y = 43.80\text{cm}^4$

Visible Area -----



### WT8520-204

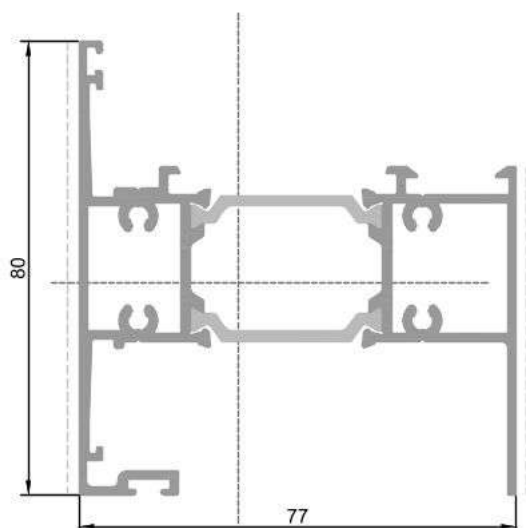
#### Extra Large Transom

Weight = 2.617 kgr/m

Perimeter = 481.5mm

$I_x = 65.33\text{cm}^4$   $I_y = 53.88\text{cm}^4$

Visible Area -----



### WT8514-301

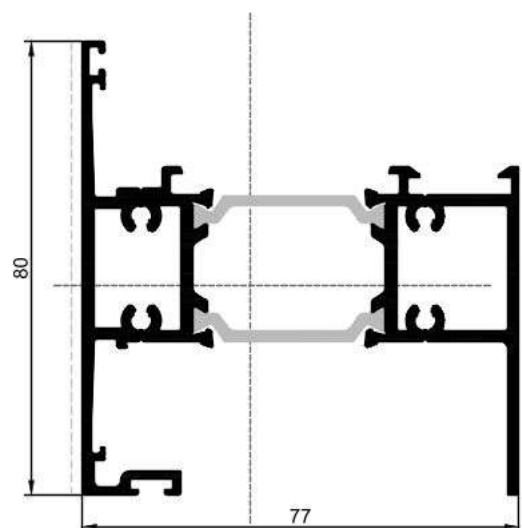
Small Bottom Transom

Weight = 1.749 kg/m

Perimeter = 464.37mm

$I_x = 20.13\text{cm}^4$   $I_y = 35.85\text{cm}^4$

Visible Area -----



### WT8520-301

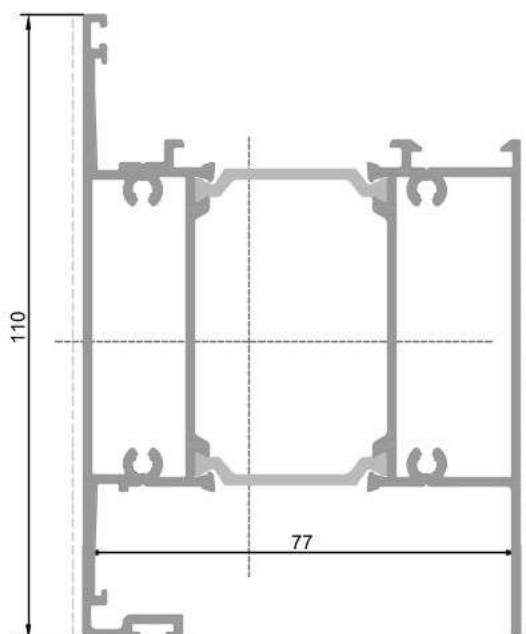
Small Bottom Transom

Weight = 2.017 kg/m

Perimeter = 463mm

$I_x = 22.22\text{cm}^4$   $I_y = 43.46\text{cm}^4$

Visible Area -----



### WT8514-302

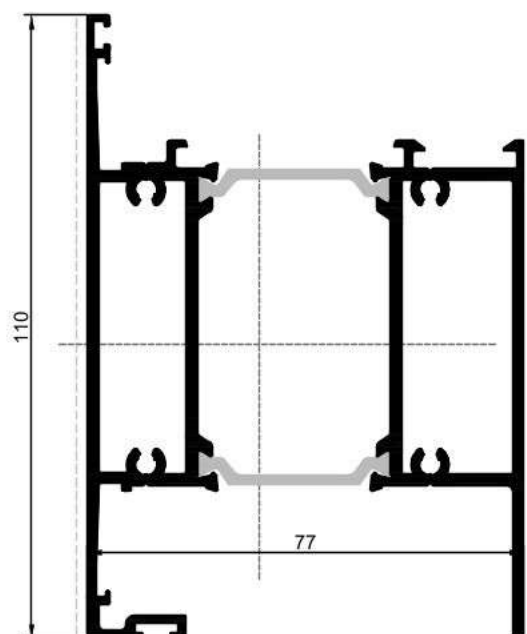
Large Bottom Transom

Weight = 2.218 kg/m

Perimeter = 524.37mm

$I_x = 63.11\text{cm}^4$   $I_y = 46.36\text{cm}^4$

Visible Area -----



### WT8520-302

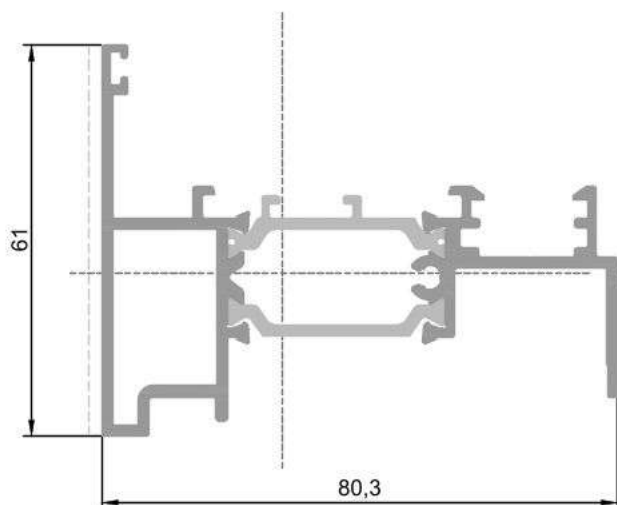
Large Bottom Transom

Weight = 2.665 kg/m

Perimeter = 522.9mm

$I_x = 71.36\text{cm}^4$   $I_y = 58.35\text{cm}^4$

Visible Area -----



### WT85-401

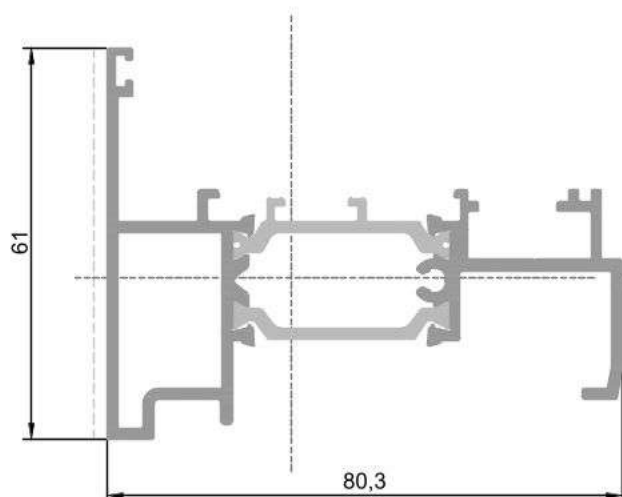
#### Central Sash Profile (Camera Europea)

Weight = 1.335 kgr/m

Perimeter = 388mm

Ix = 7.77cm<sup>4</sup>    Iy = 26.33cm<sup>4</sup>

Visible Area -----



### WT85-451

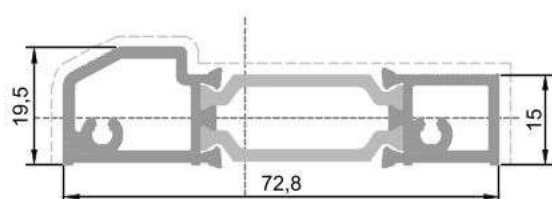
#### Central Sash Profile (PVC Groove)

Weight = 1.344 kgr/m

Perimeter = 395.4mm

Ix = 8.03cm<sup>4</sup>    Iy = 27.54cm<sup>4</sup>

Visible Area -----



### WT85-502

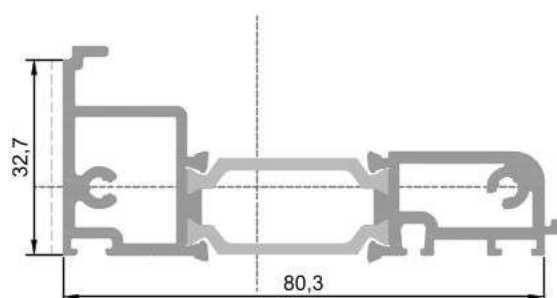
#### Threshold

Weight = 0.944 kgr/m

Perimeter = 173.3mm

Ix = 1.14cm<sup>4</sup>    Iy = 4.27cm<sup>4</sup>

Visible Area -----



### WT85-504

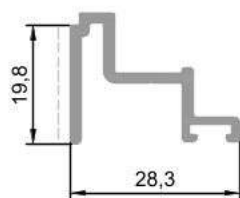
#### Sash Bottom Add-On

Weight = 1,277 kg/m

Perimeter = 266,4mm

Ix = 3,22cm<sup>4</sup>      Iy = 26,47cm<sup>4</sup>

Visible Area .....



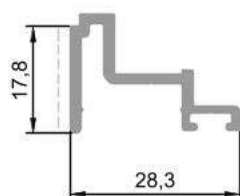
### WT85-503

#### Water Drainage

Weight = 0,312 kg/m

Perimeter = 145,71mm

Visible Area .....



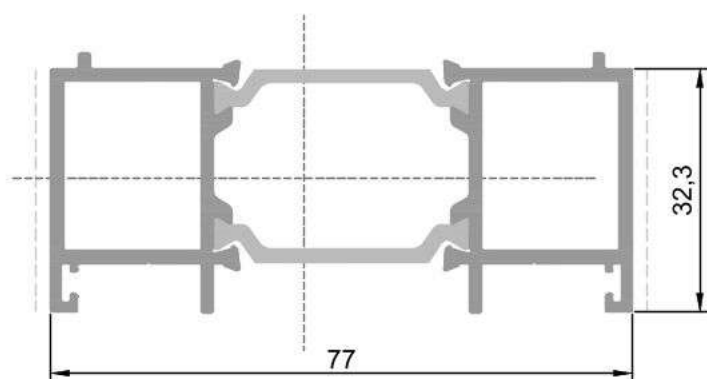
### WT85-506

#### Water Drainage

Weight = 0,295 kg/m

Perimeter = 138,43mm

Visible Area .....



### WT85-505

#### Frame Add-On

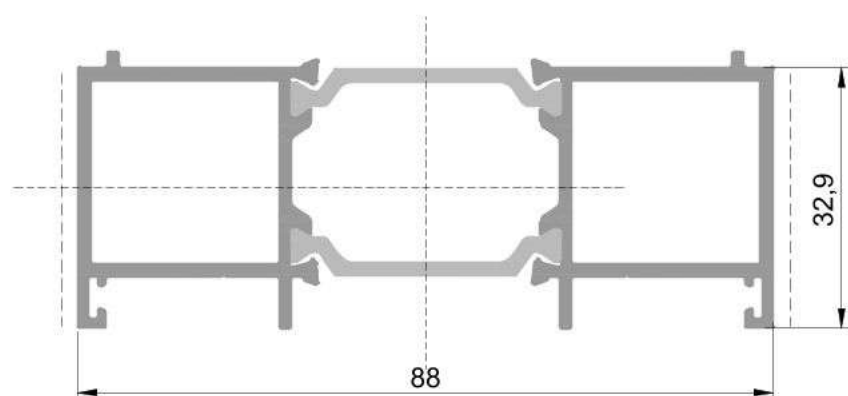
Weight = 1.204 kgr/m

Perimeter = 264.05mm

$I_x = 4.82\text{cm}^4$

$I_y = 21.7\text{cm}^4$

Visible Area -----



### WT85-507

#### Frame Add - On

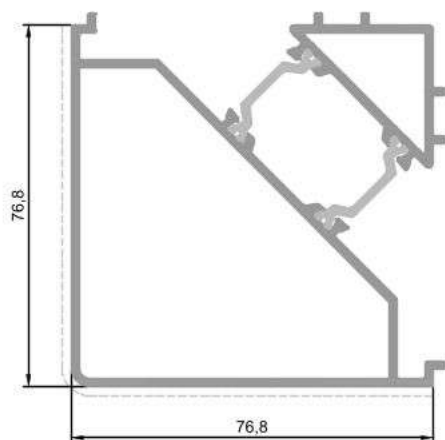
Weight = 1.334 kgr/m

Perimeter = 264mm

$I_x = 4.78\text{cm}^4$

$I_y = 17.36\text{cm}^4$

Visible Area -----



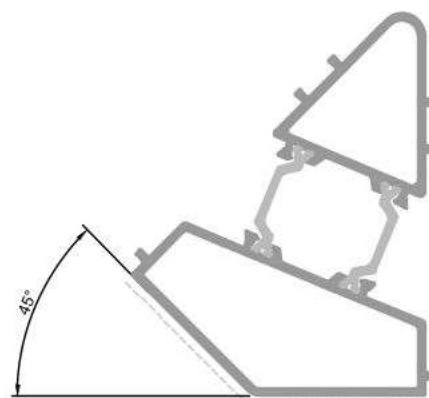
### WT75-601

#### 90° Column

Weight = 1.994 kgr/m

Perimeter = 404.1mm

Visible Area -----



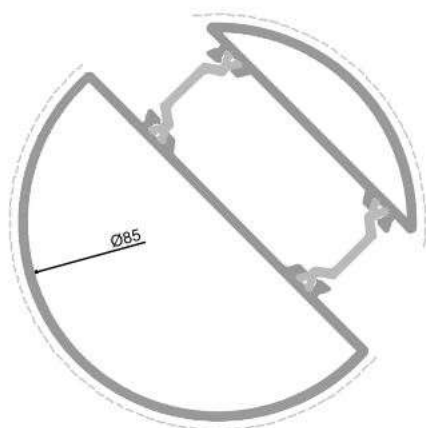
### WT75-602

#### 135° Column

Weight = 1.550 kgr/m

Perimeter = 297.9mm

Visible Area -----



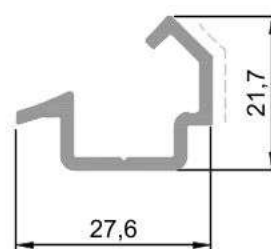
### WT75-603

#### Variable Angle Column

Weight = 1.868 kgr/m

Perimeter = 306.38mm

Visible Area -----



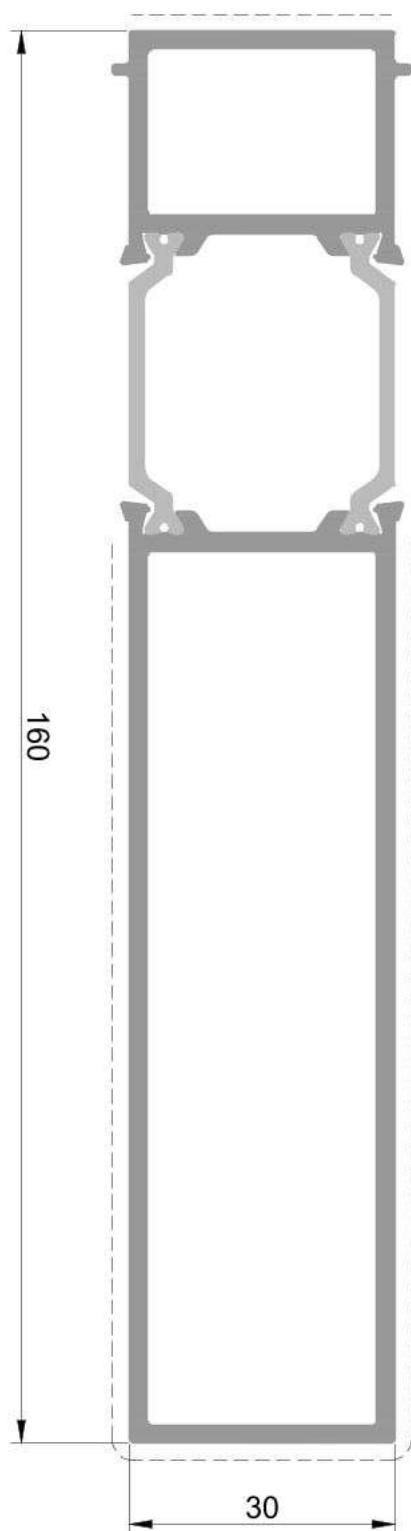
### WT85-605

#### Frame Add-On Variable Angle Column

Weight = 0.249 kgr/m

Perimeter = 109.39mm

Visible Area -----



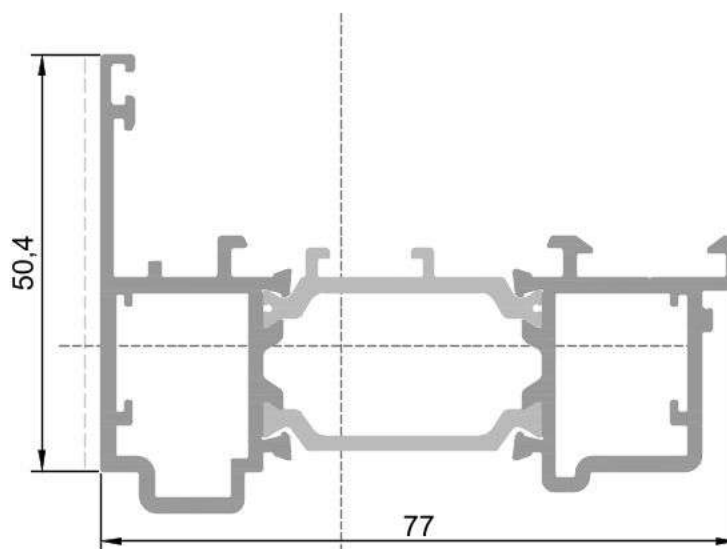
### WT85-604

#### Reinforcement Column

Weight = 2.213 kgr/m

Perimeter = 370.6mm

Visible Area -----



### WT85-501

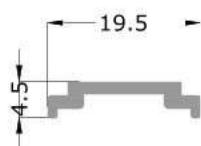
#### Frame Direction Alternation Add-On

Weight = 1.296 kgr/m

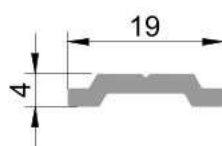
Perimeter = 317.53mm

Ix = 7.06cm<sup>4</sup>    Iy = 22.95cm<sup>4</sup>

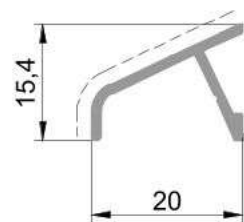
Visible Area -----



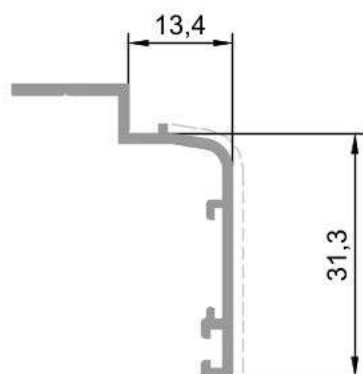
| OP-102              |
|---------------------|
| Transmission Rod    |
| Weight = 0.102kg/m  |
| Perimeter = 48.74mm |
| Visible Area -----  |



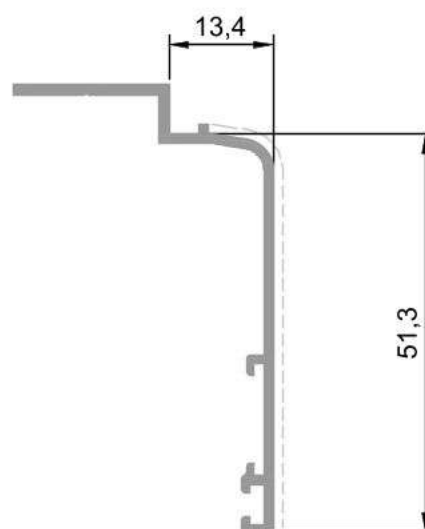
| OP-103              |
|---------------------|
| Transmission Rod    |
| Weight = 0.130 kg/m |
| Perimeter = 48.74mm |
| Visible Area -----  |



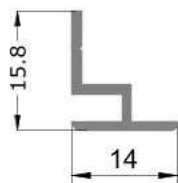
| OP-201              |
|---------------------|
| Water Drainage      |
| Weight = 0.136 kg/m |
| Perimeter = 84.13mm |
| Visible Area -----  |



| OP-301                   |
|--------------------------|
| Small Decorative Profile |
| Weight = 0.248 kg/m      |
| Perimeter = 154.56mm     |
| Visible Area -----       |



| OP-302                   |
|--------------------------|
| Large Decorative Profile |
| Weight = 0.330 kg/m      |
| Perimeter = 204.56mm     |
| Visible Area -----       |



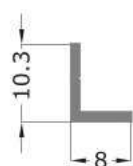
### OP-601

**frame connector  
outside assembling**

Weight = 0,104 kgr/m

Perimeter = 72 mm

Visible Area -----



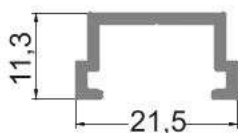
### OP-602

**frame connecting profile  
inside assembling**

Weight = 0,064 kgr/m

Perimeter = 37 mm

Visible Area -----



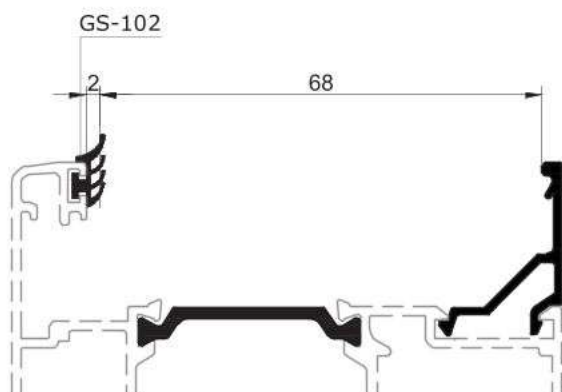
### OP-603

**RAL assembling  
adapter profile**

Weight = 0,168 kgr/m

Perimeter = 91mm

Visible Area -----



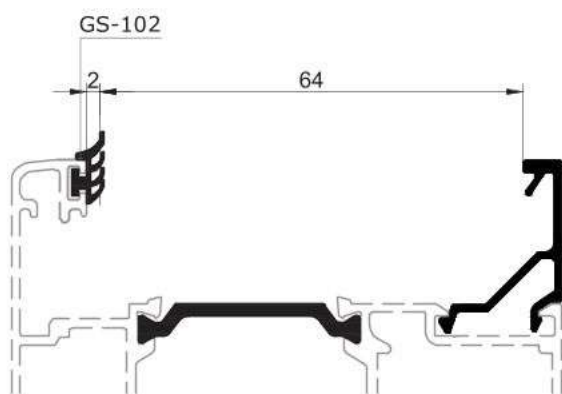
### GH - 003

**3mm Glazing Bead**

Weight = 0.186 kgr/m

Perimeter = 109.32mm

Visible Area -----



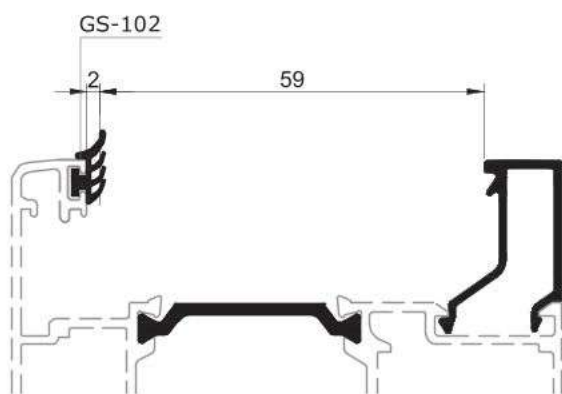
### GH - 006

**6mm Glazing Bead**

Weight = 0.209 kgr/m

Perimeter = 119.76mm

Visible Area -----



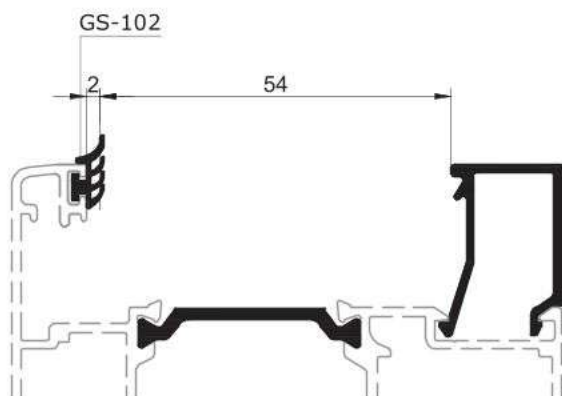
### GH - 012

**12mm Glazing Bead**

Weight = 0.246 kgr/m

Perimeter = 140.81mm

Visible Area -----



### GH - 017

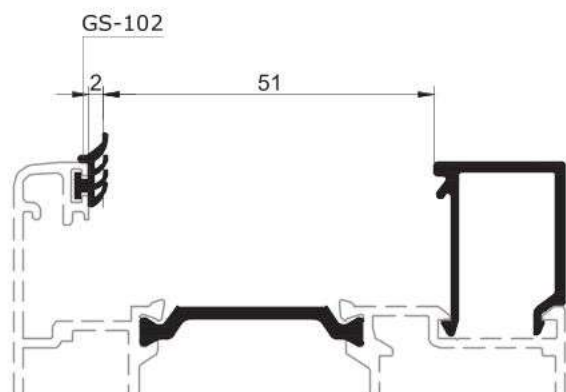
**17mm Glazing Bead**

Weight = 0.252 kgr/m

Perimeter = 143.87mm

Visible Area -----

## PROFILES 1:1



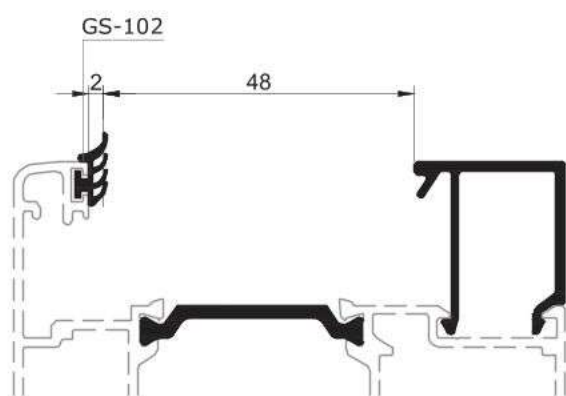
### GH - 020

**20mm Glazing Bead**

Weight = 0.263 kgr/m

Perimeter = 1149.63mm

Visible Area -----



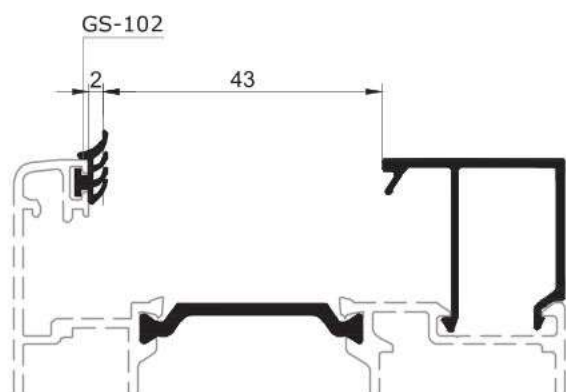
### GH - 023

**23mm Glazing Bead**

Weight = 0.276 kgr/m

Perimeter = 160.64mm

Visible Area -----



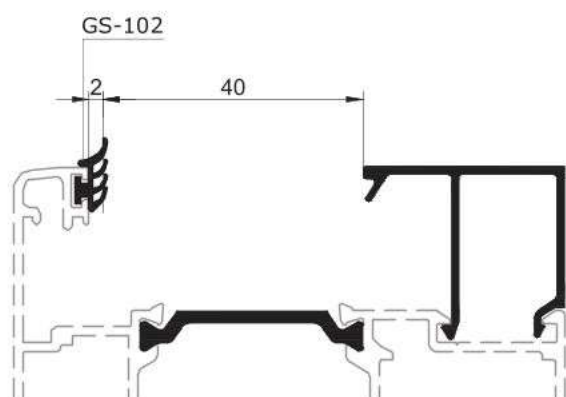
### GH - 028

**28mm Glazing Bead**

Weight = 0.294 kgr/m

Perimeter = 170.81mm

Visible Area -----



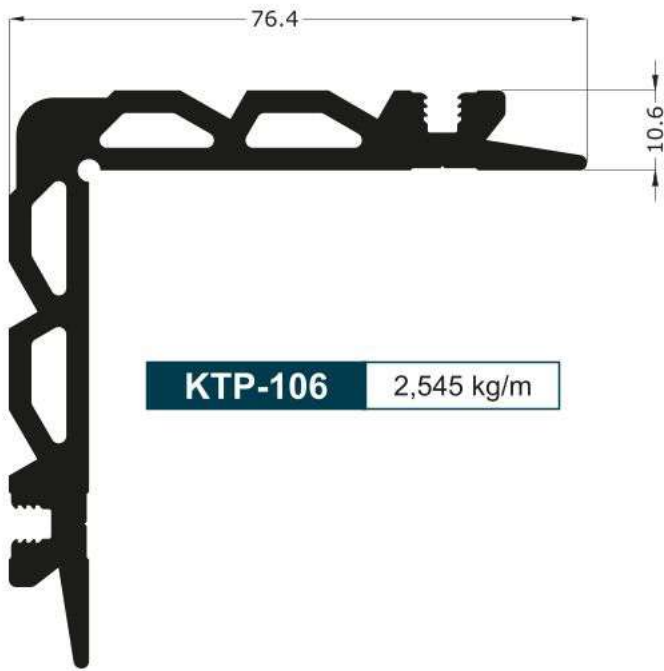
### GH - 031

**31mm Glazing Bead**

Weight = 0.304 kgr/m

Perimeter = 176.81mm

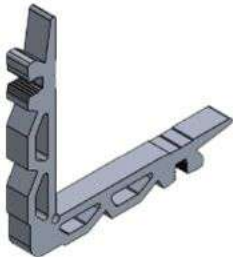
Visible Area -----



**KTP-106** 2,545 kg/m

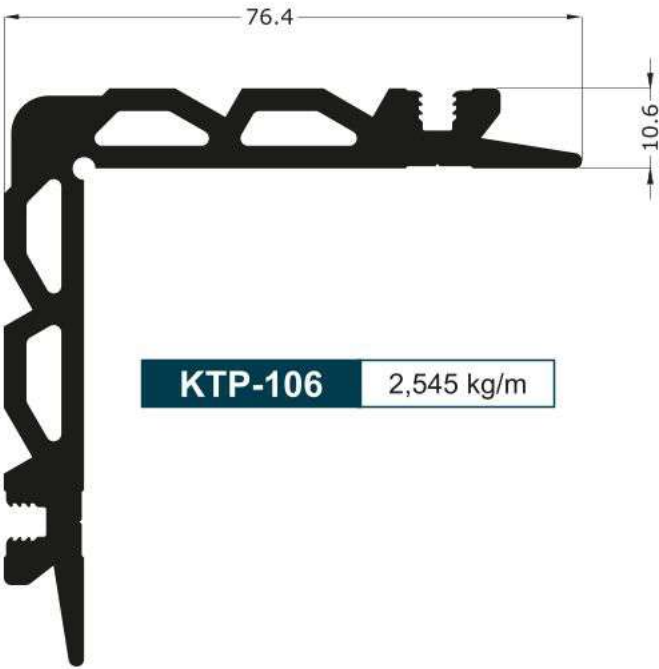


|                                                      | Profile Drawing | Profile Description |
|------------------------------------------------------|-----------------|---------------------|
| WT8514-101<br>WT8520-101<br>WT8514-151<br>WT8520-151 |                 | Sash Profile        |
|                                                      |                 | Sash Profile        |
|                                                      |                 | Sash Profile        |
|                                                      |                 | Sash Profile        |



**KT-106-080**

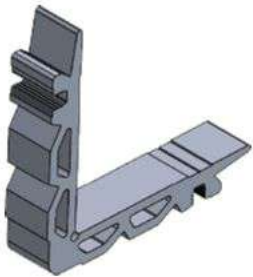
PROFILES 1:1



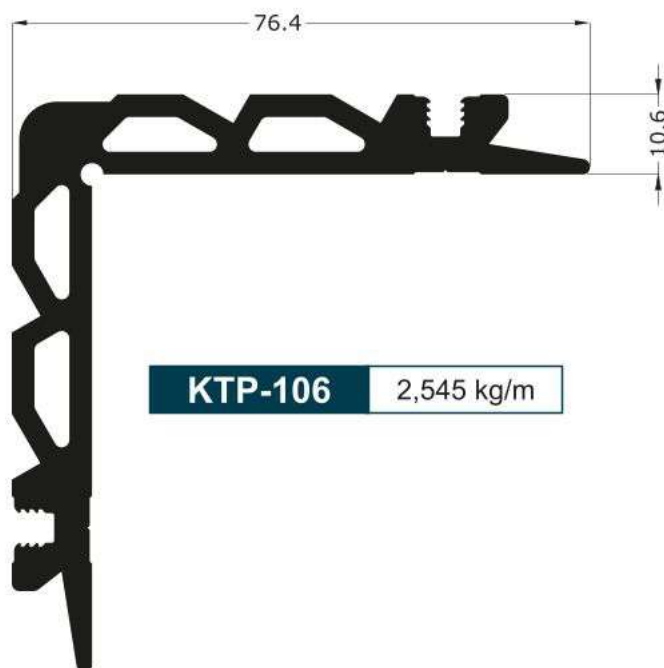
**KTP-106** 2,545 kg/m



|                       | Profile Drawing | Profile Description |
|-----------------------|-----------------|---------------------|
| WT8520-001 WT8514-001 |                 | Frame Profile       |
|                       |                 | Frame Profile       |



**KT-106-155**

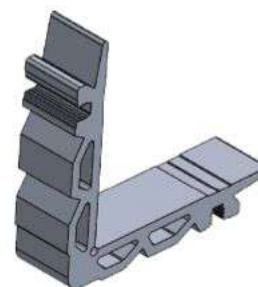


**KTP-106**

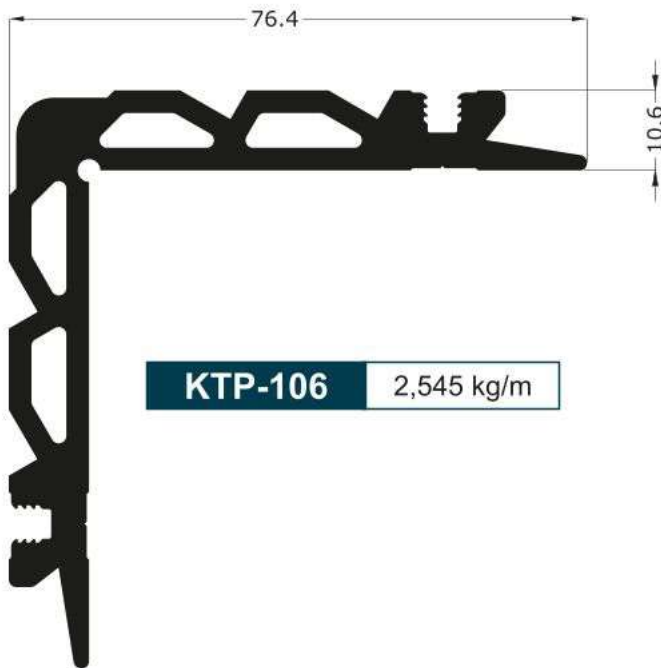
2,545 kg/m



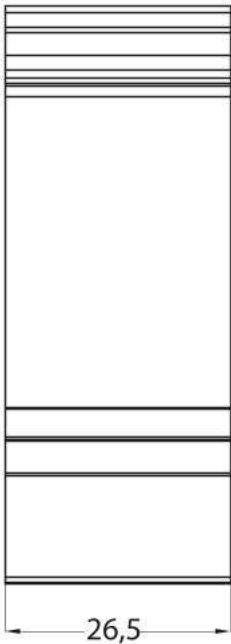
|            | Profile Drawing | Profile Description |
|------------|-----------------|---------------------|
| WT8514-001 |                 | Frame Profile       |
| WT8520-001 |                 | Frame Profile       |
| WT8514-151 |                 | Sash Profile        |
| WT8520-151 |                 | Sash Profile        |



**KT-106-195**



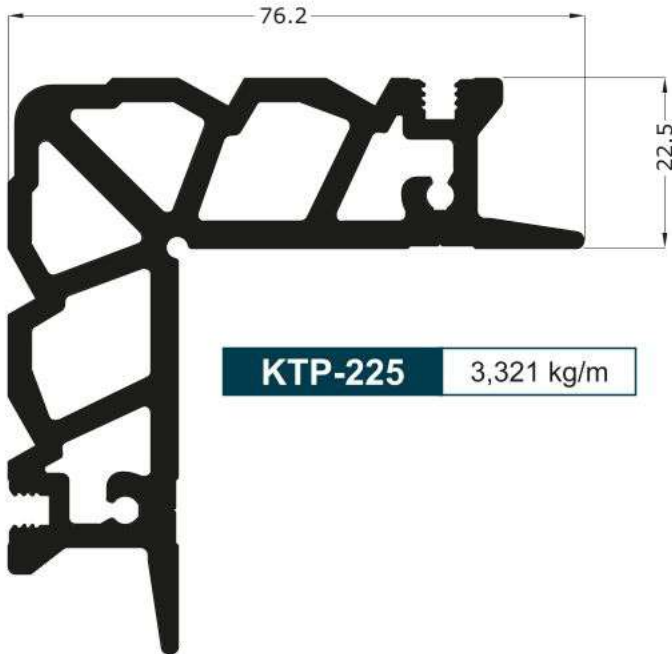
**KTP-106** 2,545 kg/m



|                       | Profile Drawing | Profile Description |
|-----------------------|-----------------|---------------------|
| WT8520-101 WT8514-101 |                 | Sash Profile        |
|                       |                 | Sash Profile        |



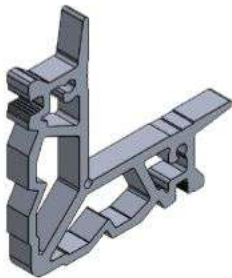
**KT-106-026**



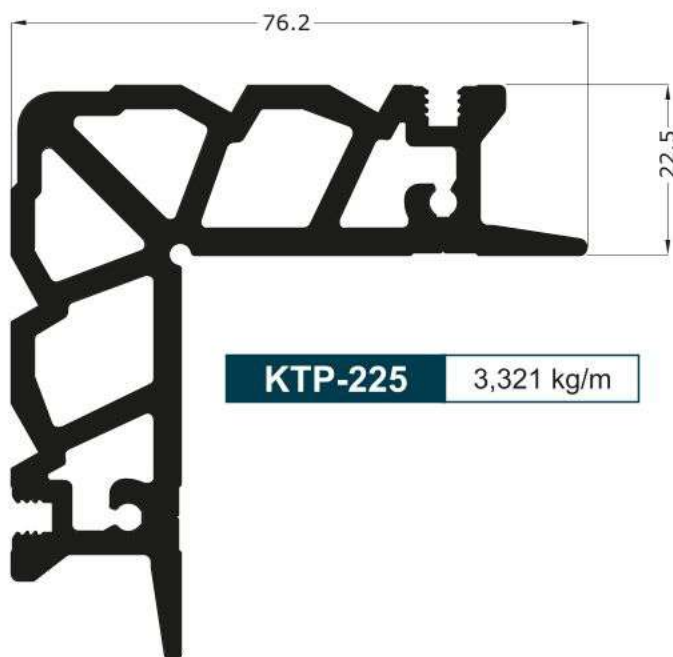
**KTP-225** 3,321 kg/m



|                                             | Profile Drawing | Profile Description |
|---------------------------------------------|-----------------|---------------------|
| WT8514-102 WT8520-102 WT8514-152 WT8520-152 |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |

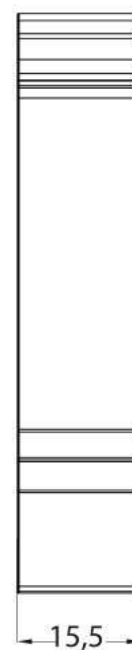


**KT-225-080**

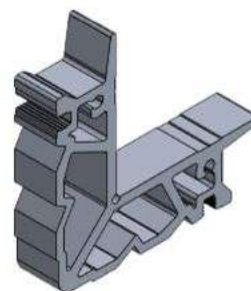


**KTP-225**

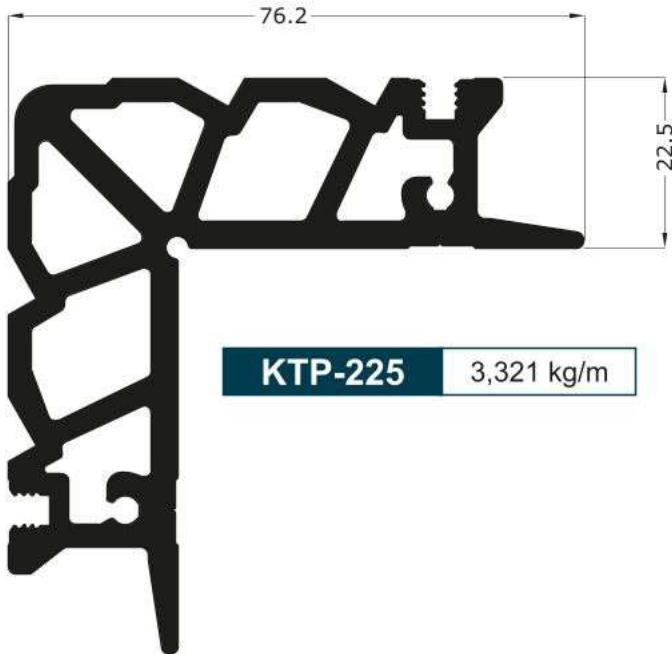
3,321 kg/m



|                                                      | Profile Drawing | Profile Description |
|------------------------------------------------------|-----------------|---------------------|
| WT8514-002<br>WT8520-002<br>WT8514-005<br>WT8520-005 |                 | Frame Profile       |
|                                                      |                 | Frame Profile       |
|                                                      |                 | Frame Profile       |
|                                                      |                 | Frame Profile       |

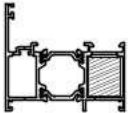
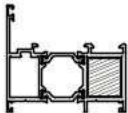
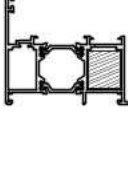
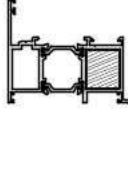


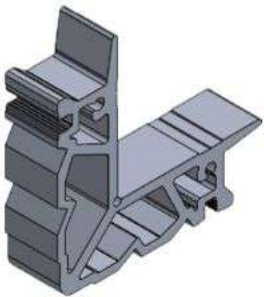
**KT-225-155**



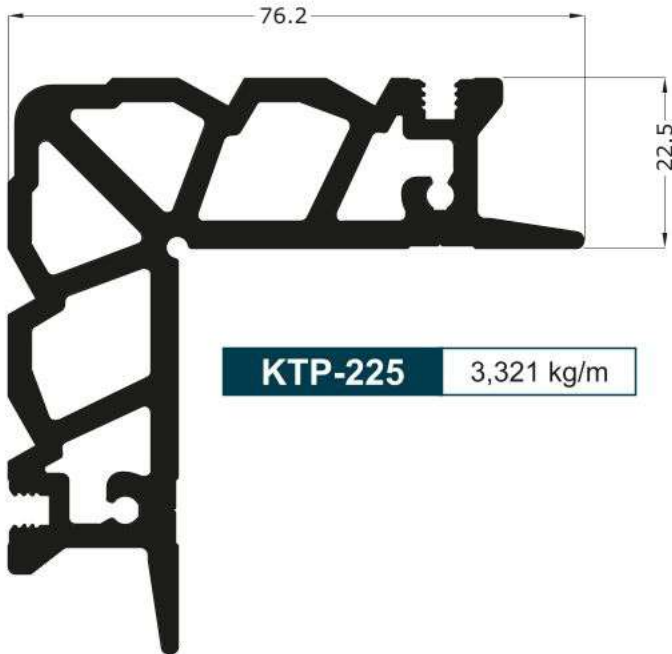
**KTP-225** 3,321 kg/m



|            | Profile Drawing                                                                     | Profile Description |
|------------|-------------------------------------------------------------------------------------|---------------------|
| WT8514-002 |  | Frame Profile       |
| WT8520-002 |  | Frame Profile       |
| WT8514-005 |  | Frame Profile       |
| WT8520-005 |  | Frame Profile       |



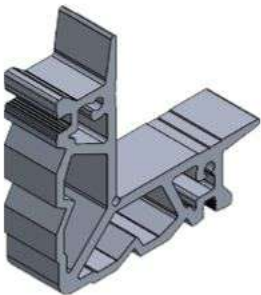
**KT-225-195**



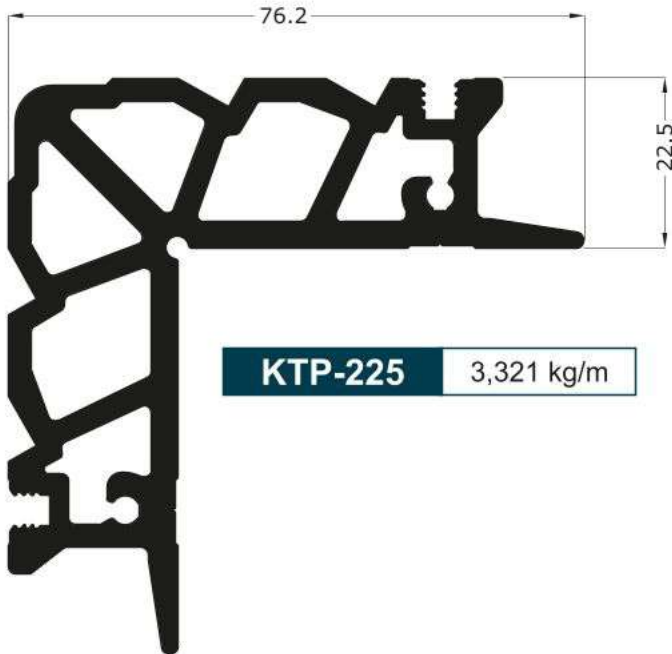
**KTP-225** 3,321 kg/m



|            | Profile Drawing | Profile Description |
|------------|-----------------|---------------------|
| WT8514-006 |                 | Frame Profile       |
| WT8520-006 |                 | Frame Profile       |
| WT8514-008 |                 | Frame Profile       |
| WT8520-008 |                 | Frame Profile       |



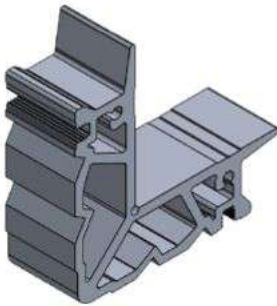
**KT-225-195**



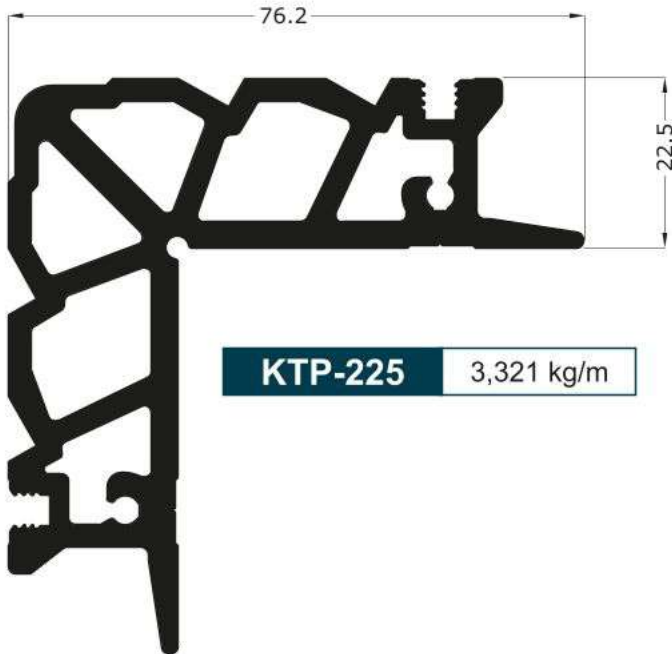
**KTP-225**    3,321 kg/m



|            | Profile Drawing | Profile Description |
|------------|-----------------|---------------------|
| WT8514-006 |                 | Frame Profile       |
| WT8520-006 |                 | Frame Profile       |
| WT8514-008 |                 | Frame Profile       |
| WT8520-008 |                 | Frame Profile       |

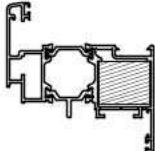
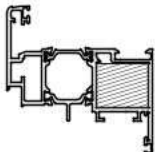
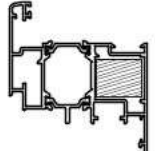
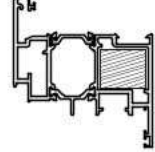


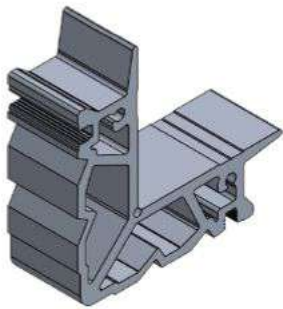
**KT-225-026**



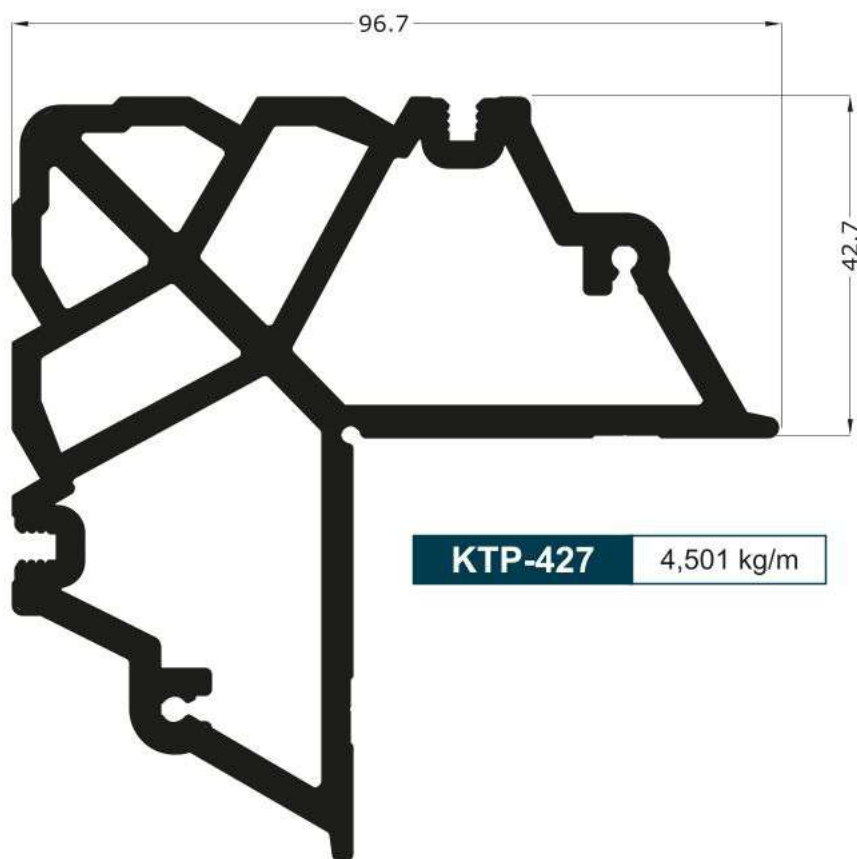
**KTP-225** 3,321 kg/m



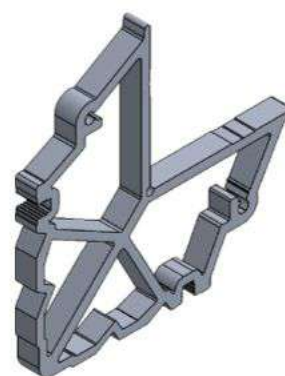
|            | Profile Drawing                                                                     | Profile Description |
|------------|-------------------------------------------------------------------------------------|---------------------|
| WT8514-102 |  | Sash Profile        |
| WT8520-102 |  | Sash Profile        |
| WT8514-152 |  | Sash Profile        |
| WT8520-152 |  | Sash Profile        |



**KT-225-026**

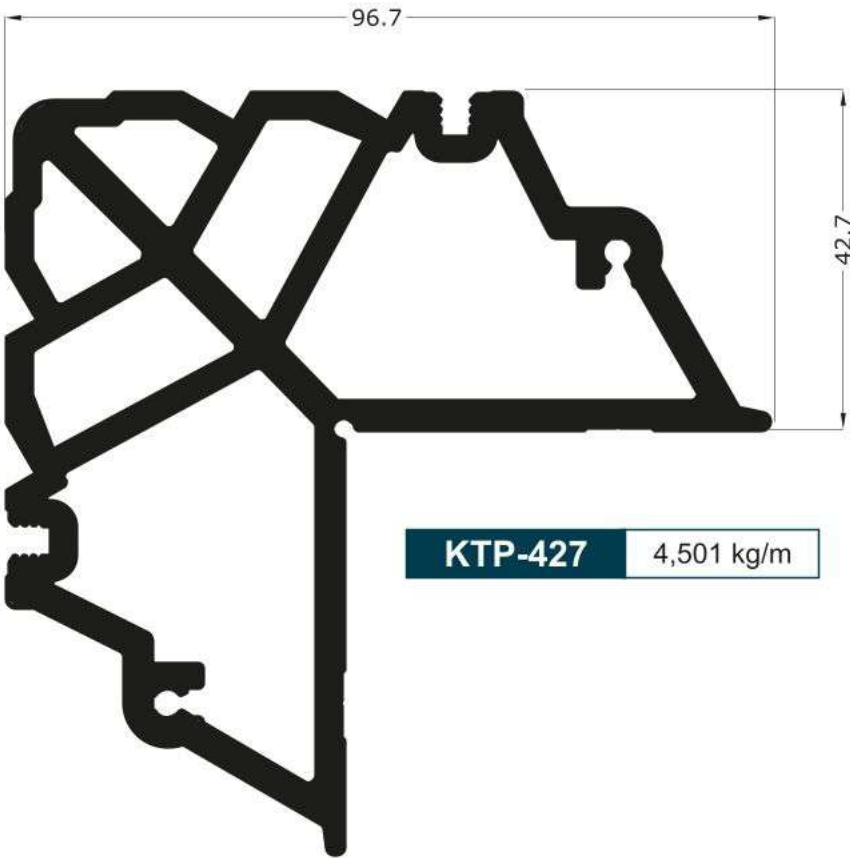


|                                             | Profile Drawing | Profile Description |
|---------------------------------------------|-----------------|---------------------|
| WT8514-103 WT8520-103 WT8514-104 WT8520-104 |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |

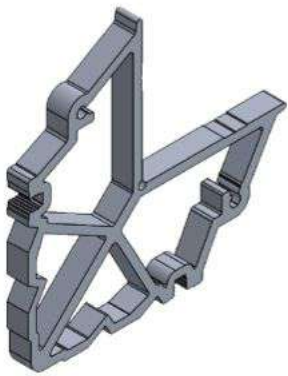


**KT-427-080**

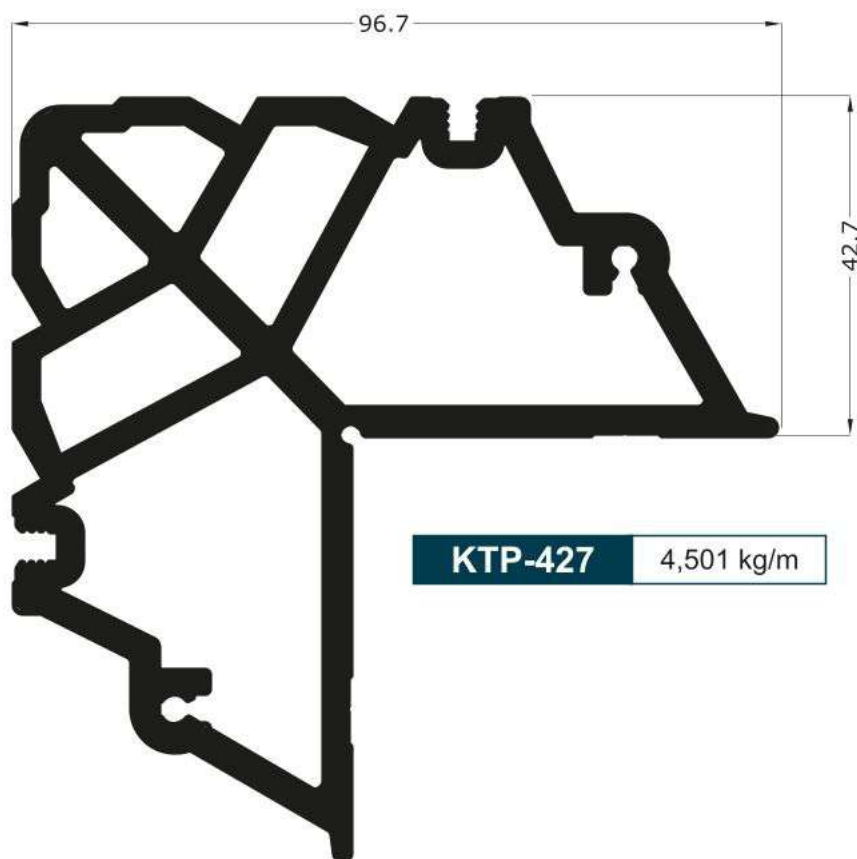
PROFILES 1:1



|                       | Profile Drawing | Profile Description |
|-----------------------|-----------------|---------------------|
| WT8520-153 WT8514-153 |                 | Sash Profile        |
|                       |                 | Sash Profile        |

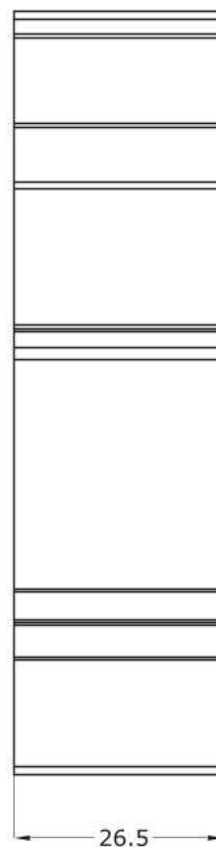


**KT-427-080**

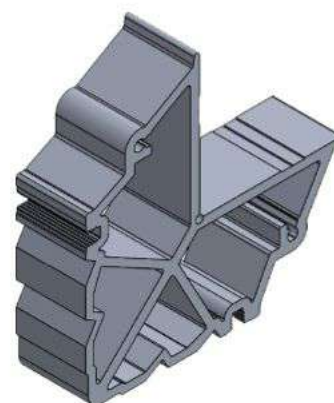


**KTP-427**

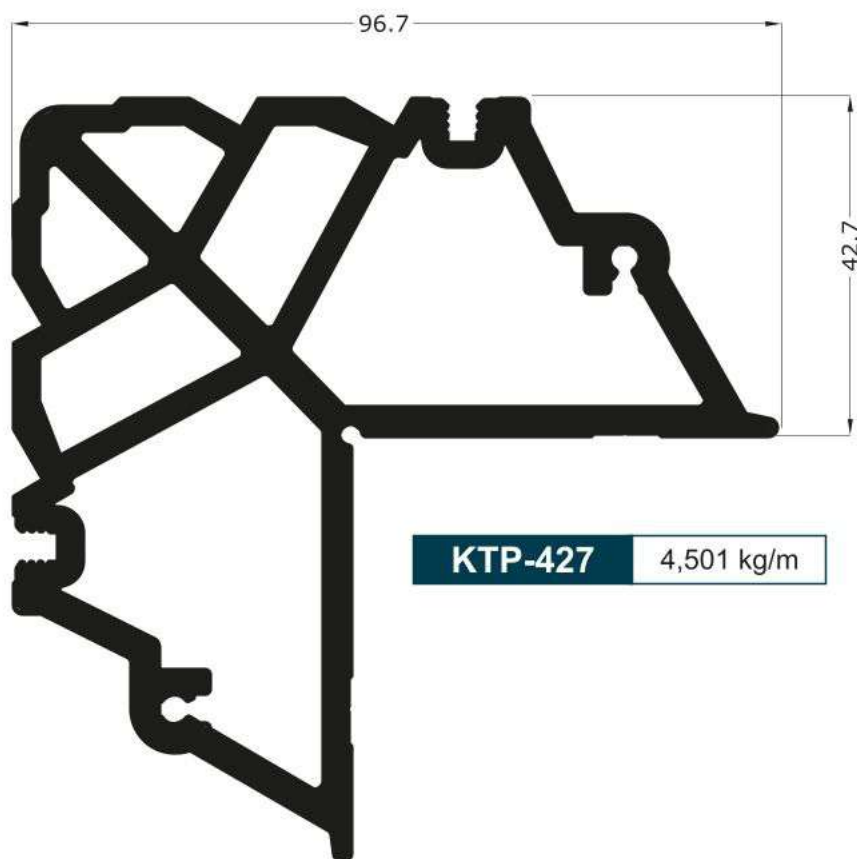
4,501 kg/m



|                                             | Profile Drawing | Profile Description |
|---------------------------------------------|-----------------|---------------------|
| WT8514-103 WT8520-103 WT8514-104 WT8520-104 |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |
|                                             |                 | Sash Profile        |

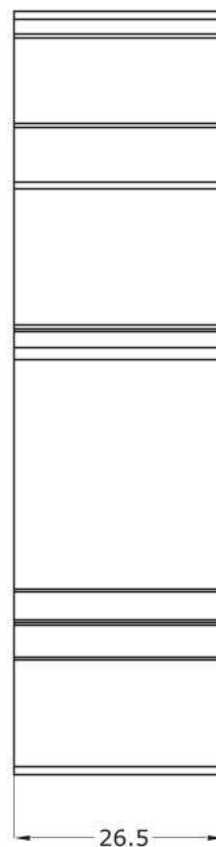


**KT-427-026**

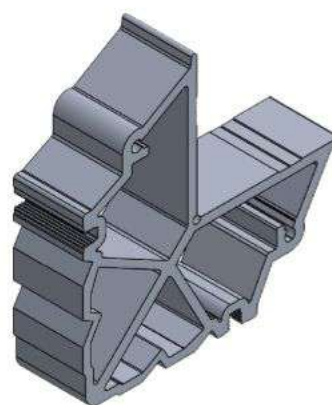


**KTP-427**

4,501 kg/m



|            | Profile Drawing | Profile Description |
|------------|-----------------|---------------------|
| WT8514-153 |                 | Sash Profile        |
| WT8520-153 |                 | Sash Profile        |
| WT8514-154 |                 | Sash Profile        |
| WT8520-154 |                 | Sash Profile        |



**KT-427-026**



# SECTIONS

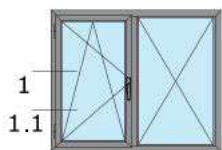
[WWW.FINEASTRA.COM](http://WWW.FINEASTRA.COM)

**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM

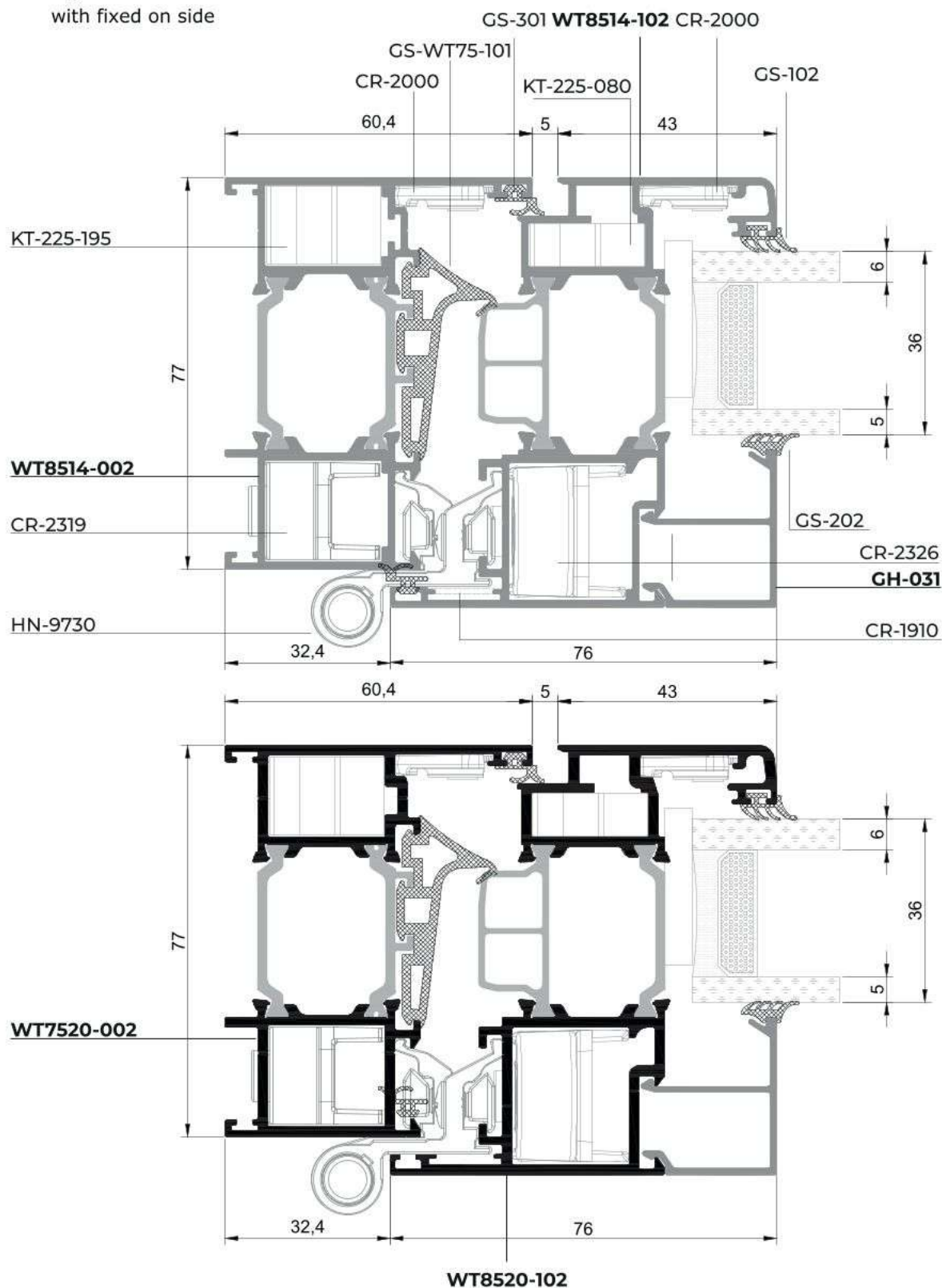
Fixed window

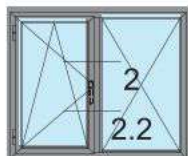


## SECTIONS

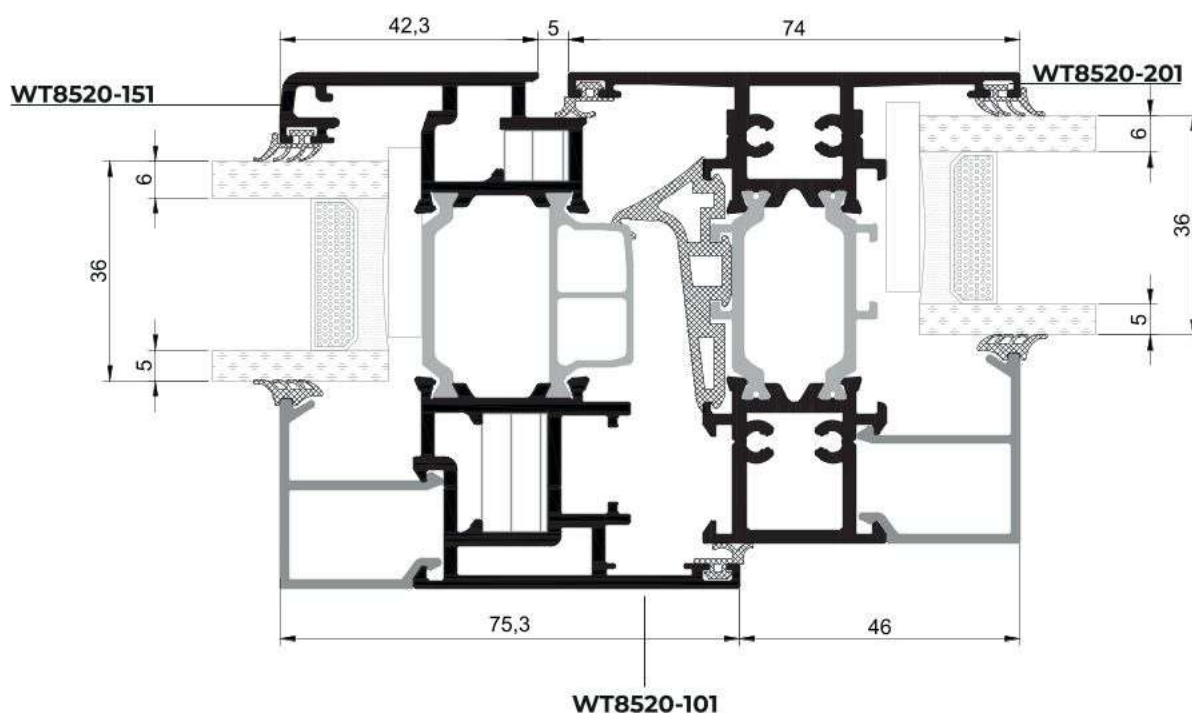
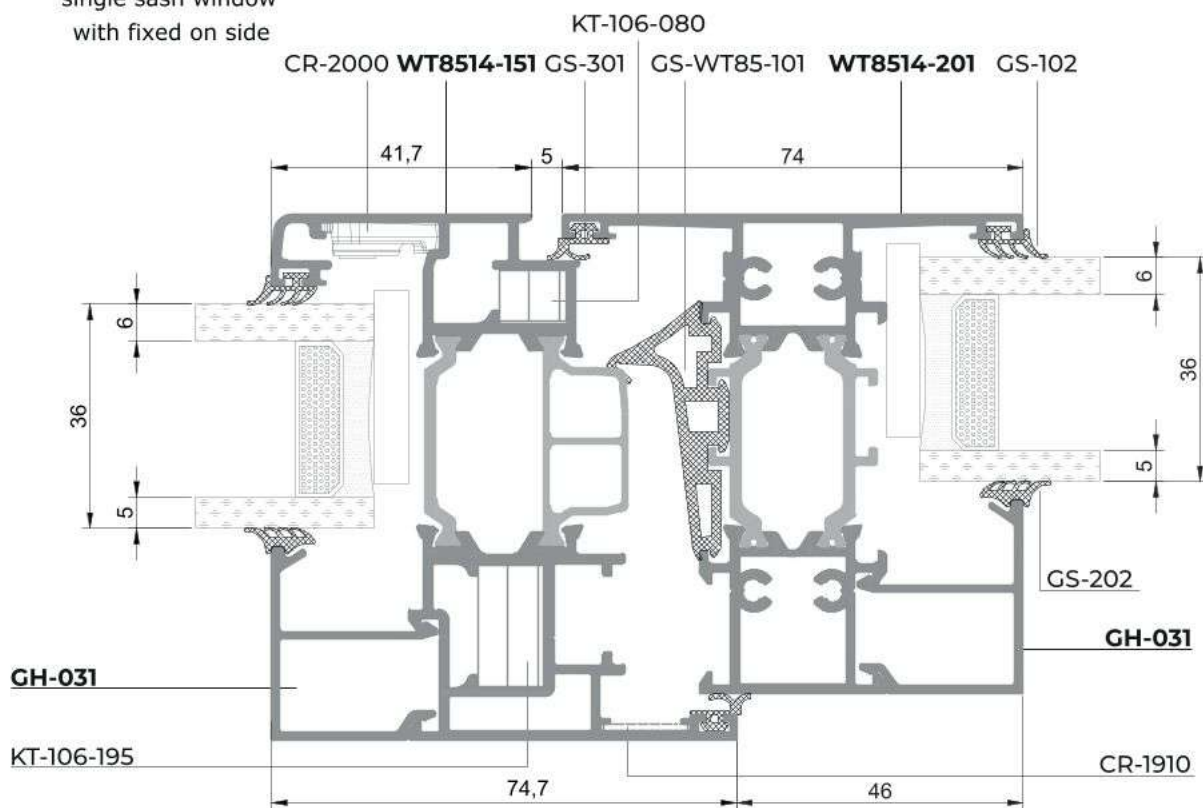


single sash window  
with fixed on side

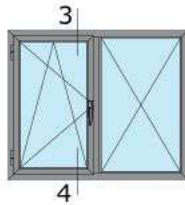




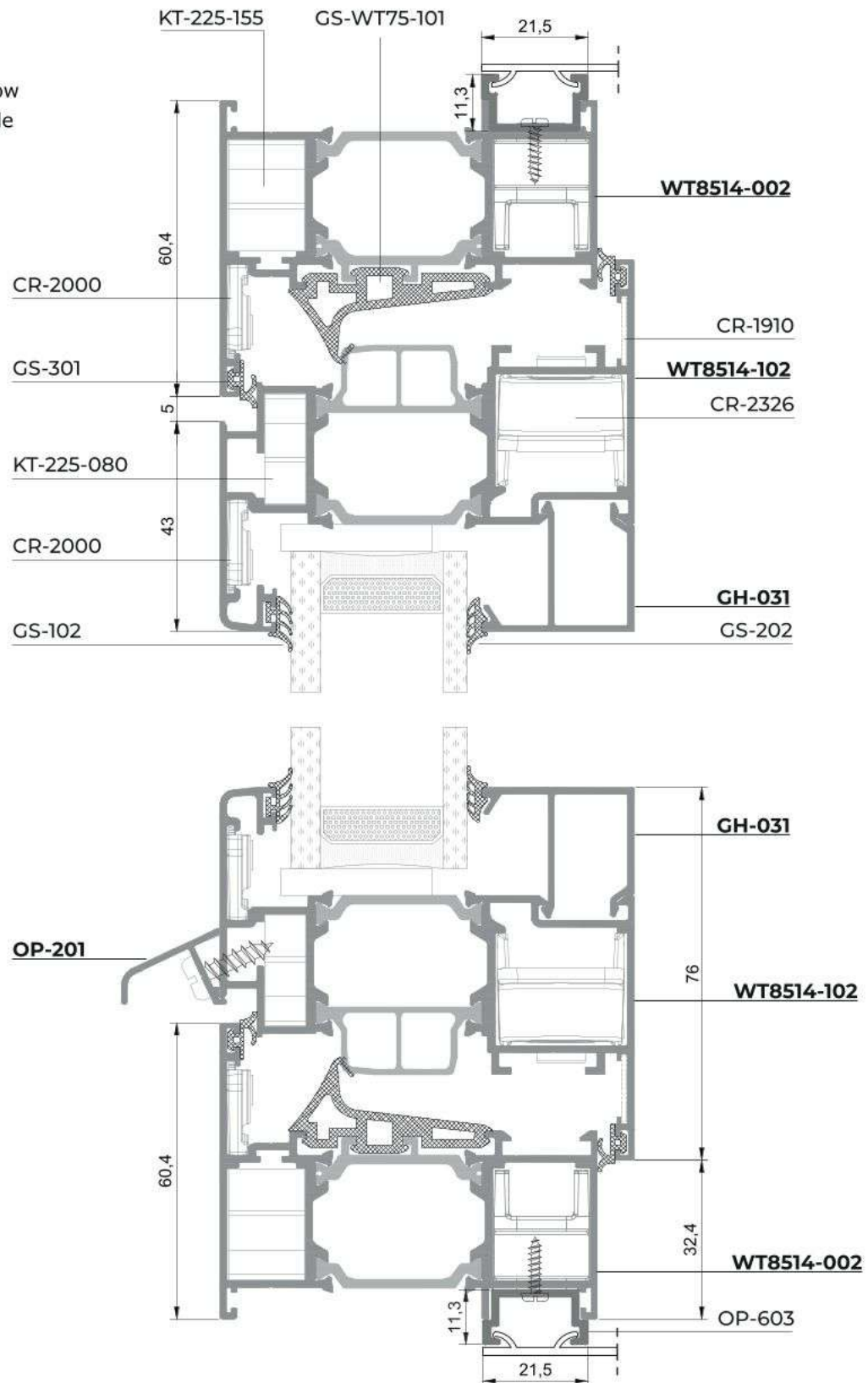
single sash window  
with fixed on side



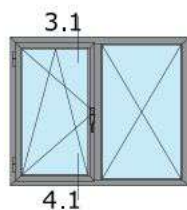
## SECTIONS



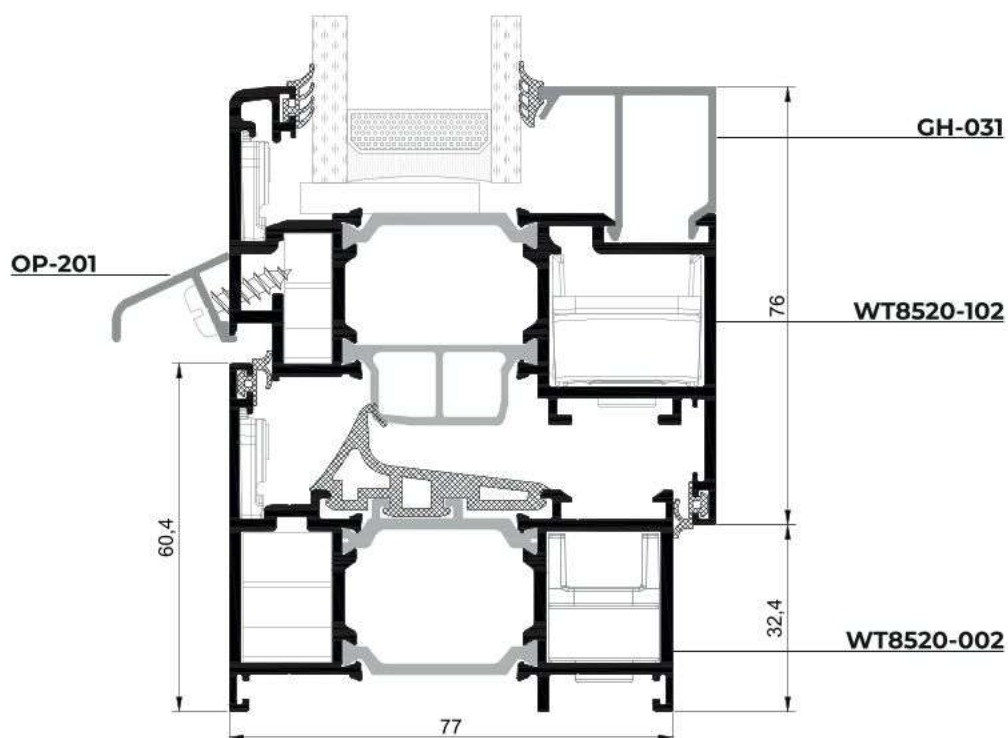
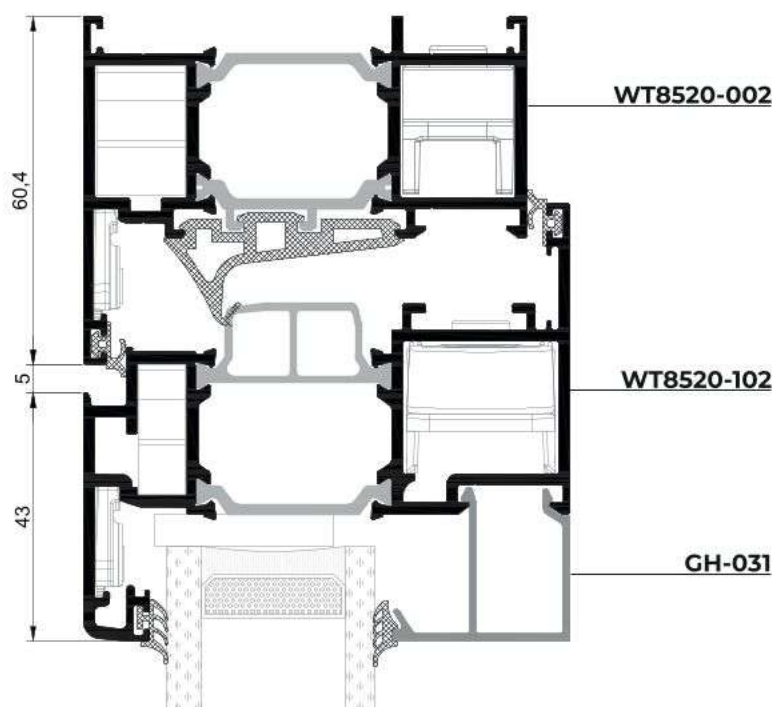
single sash window  
with fixed on side



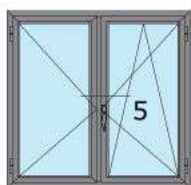
## SECTIONS



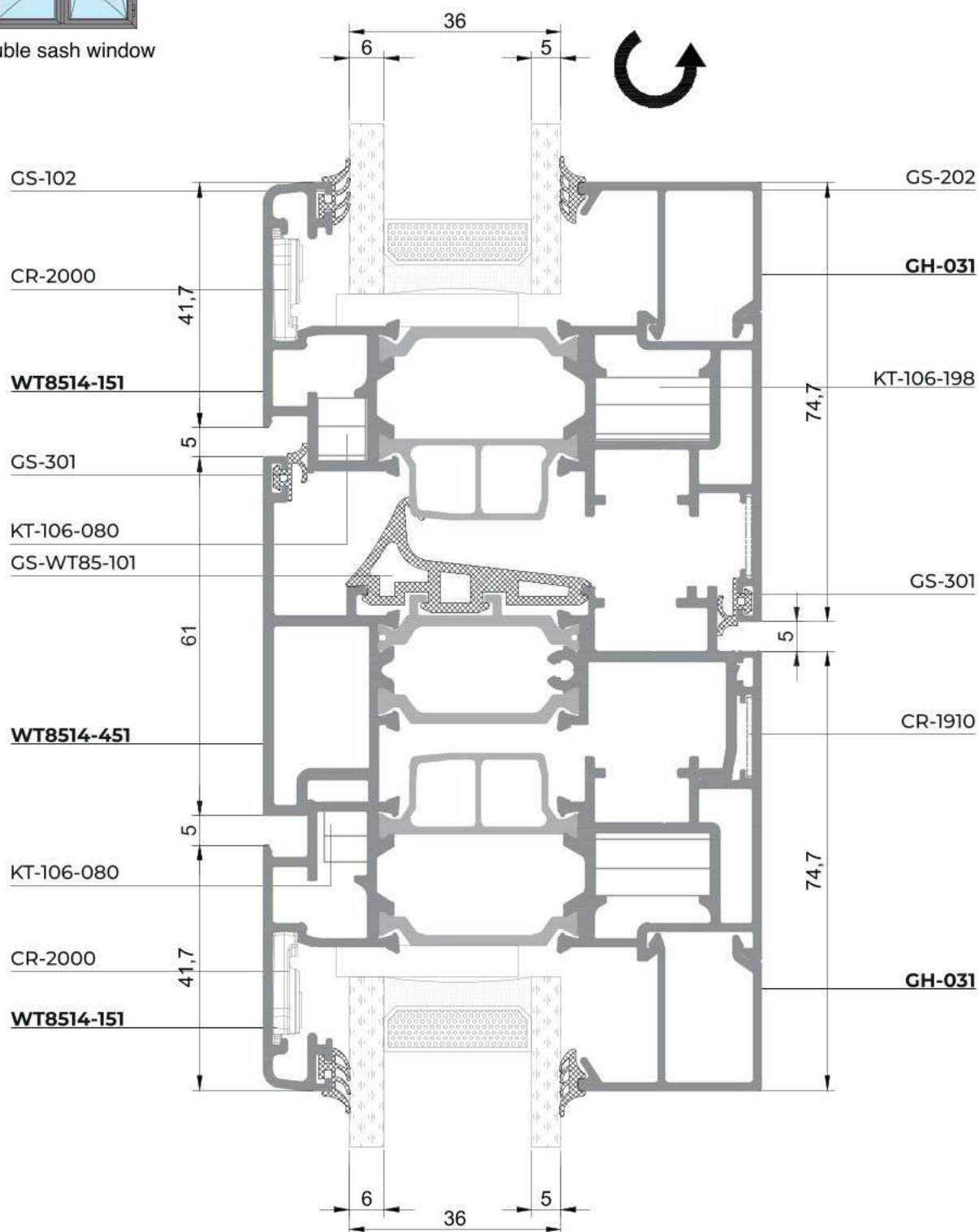
single sash window  
with fixed on side



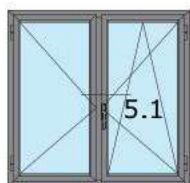
## SECTIONS



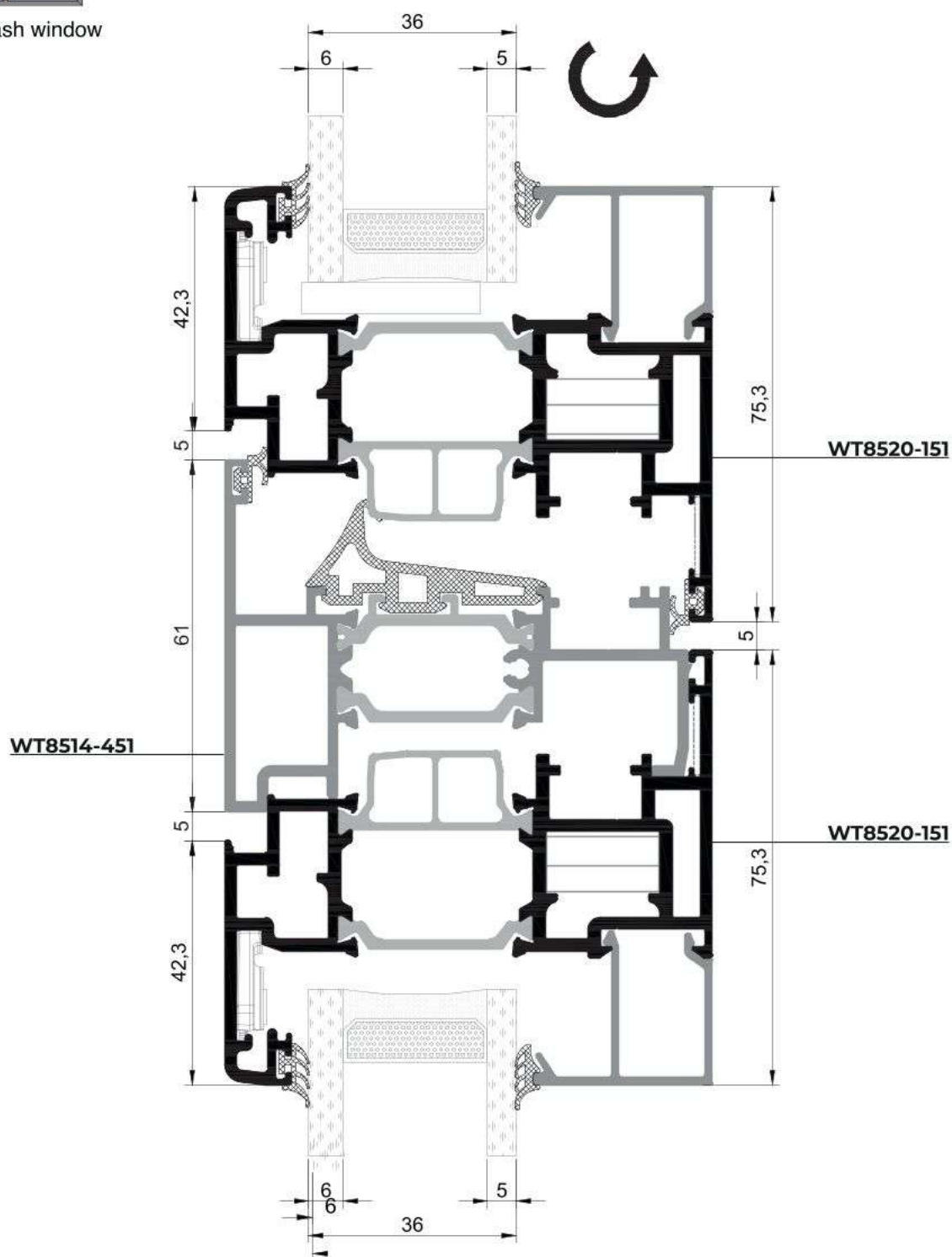
Double sash window



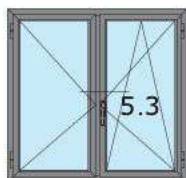
## SECTIONS



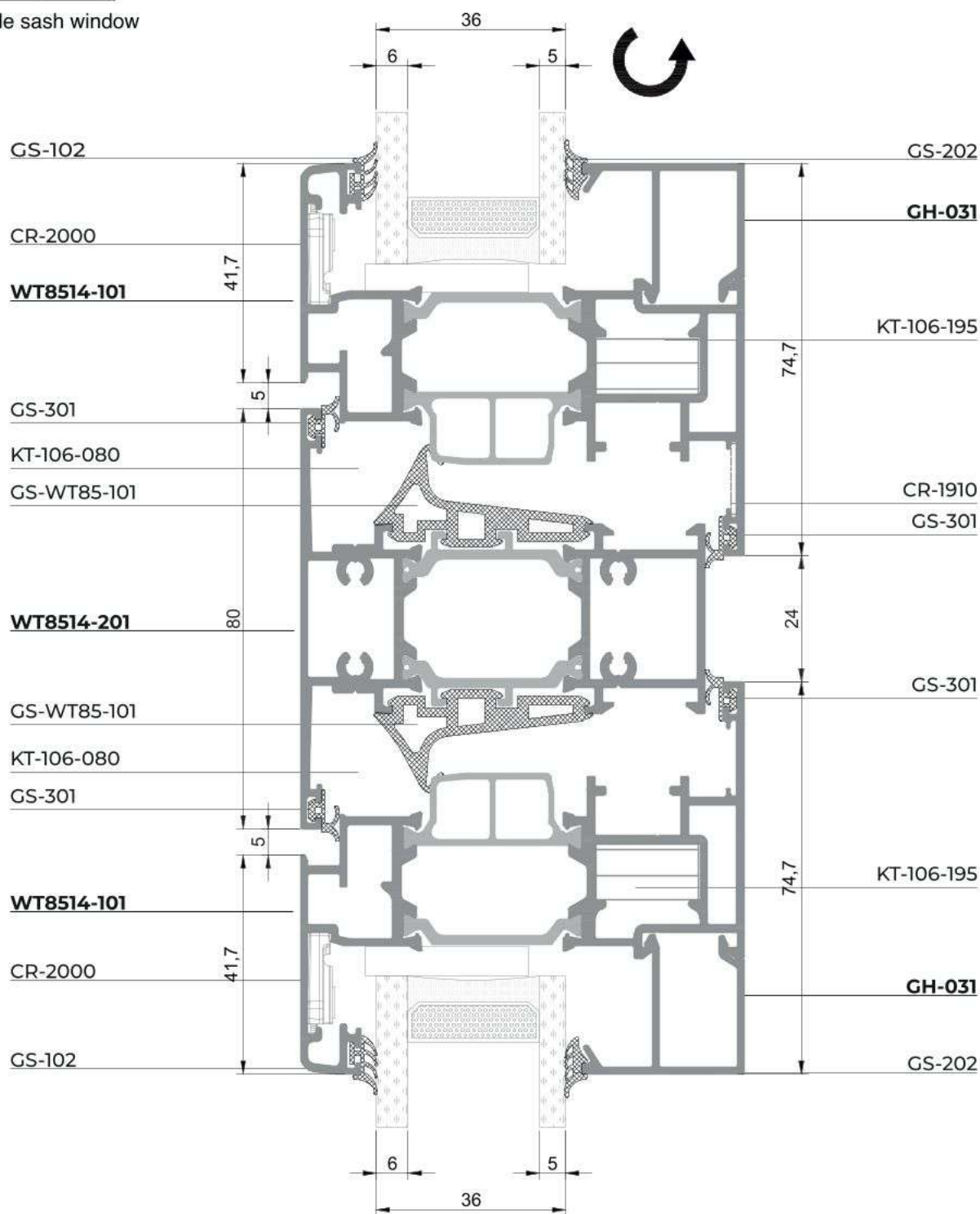
Double sash window



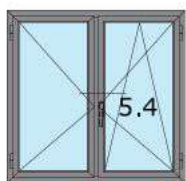
## SECTIONS



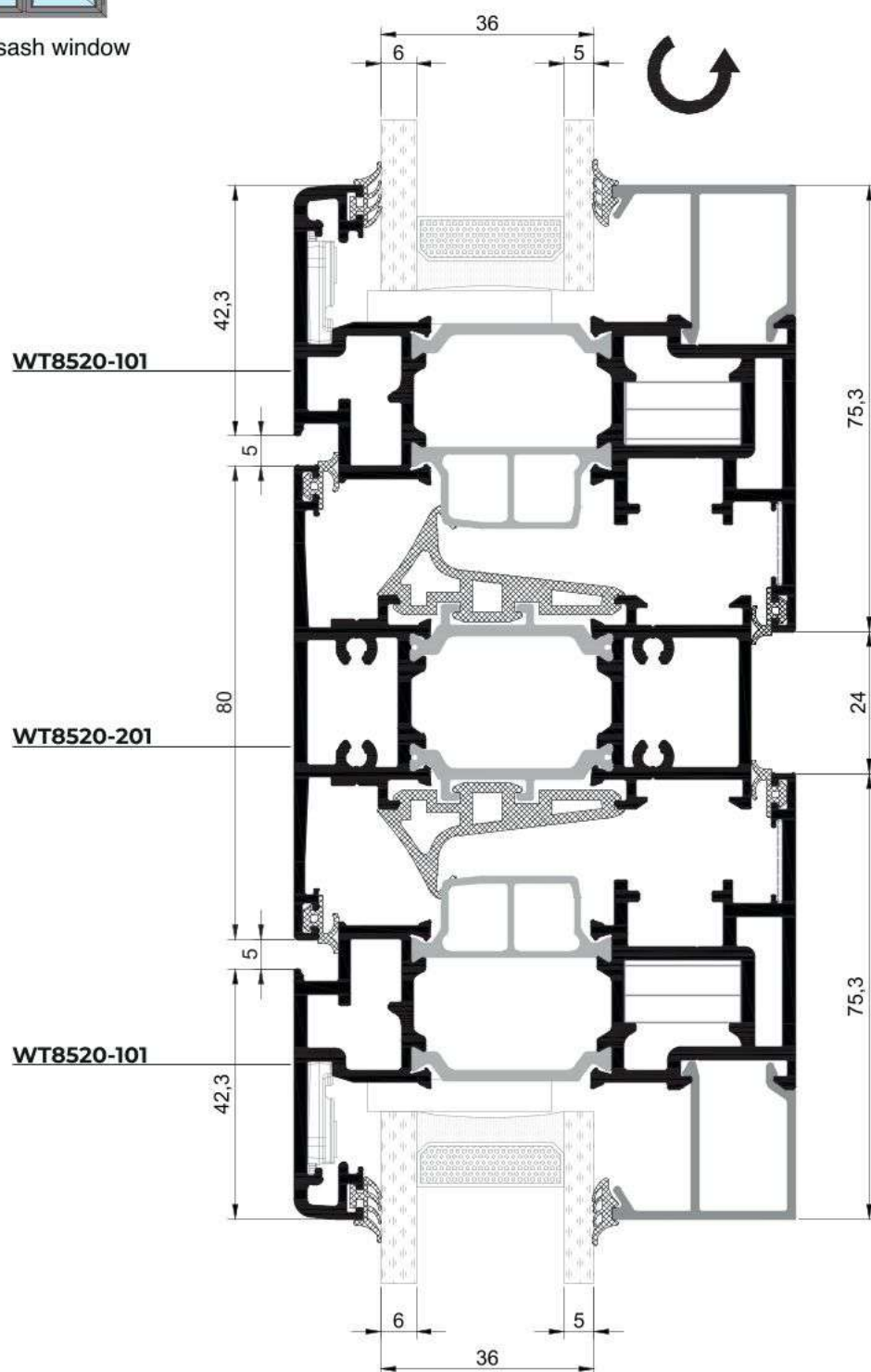
Double sash window



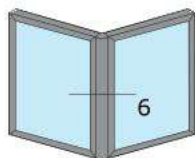
## SECTIONS



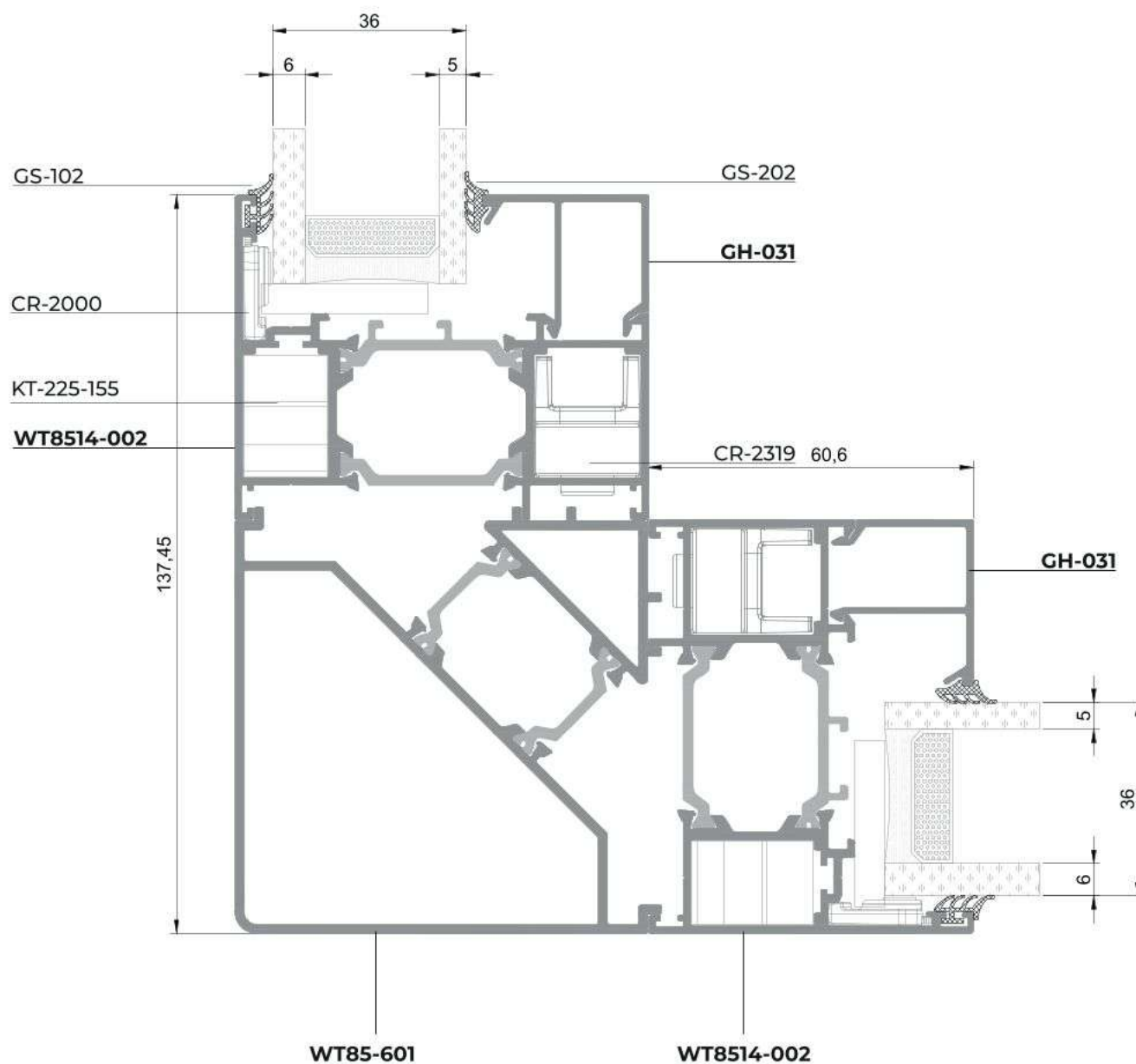
Double sash window



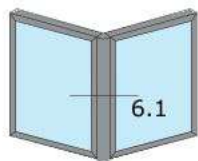
## SECTIONS



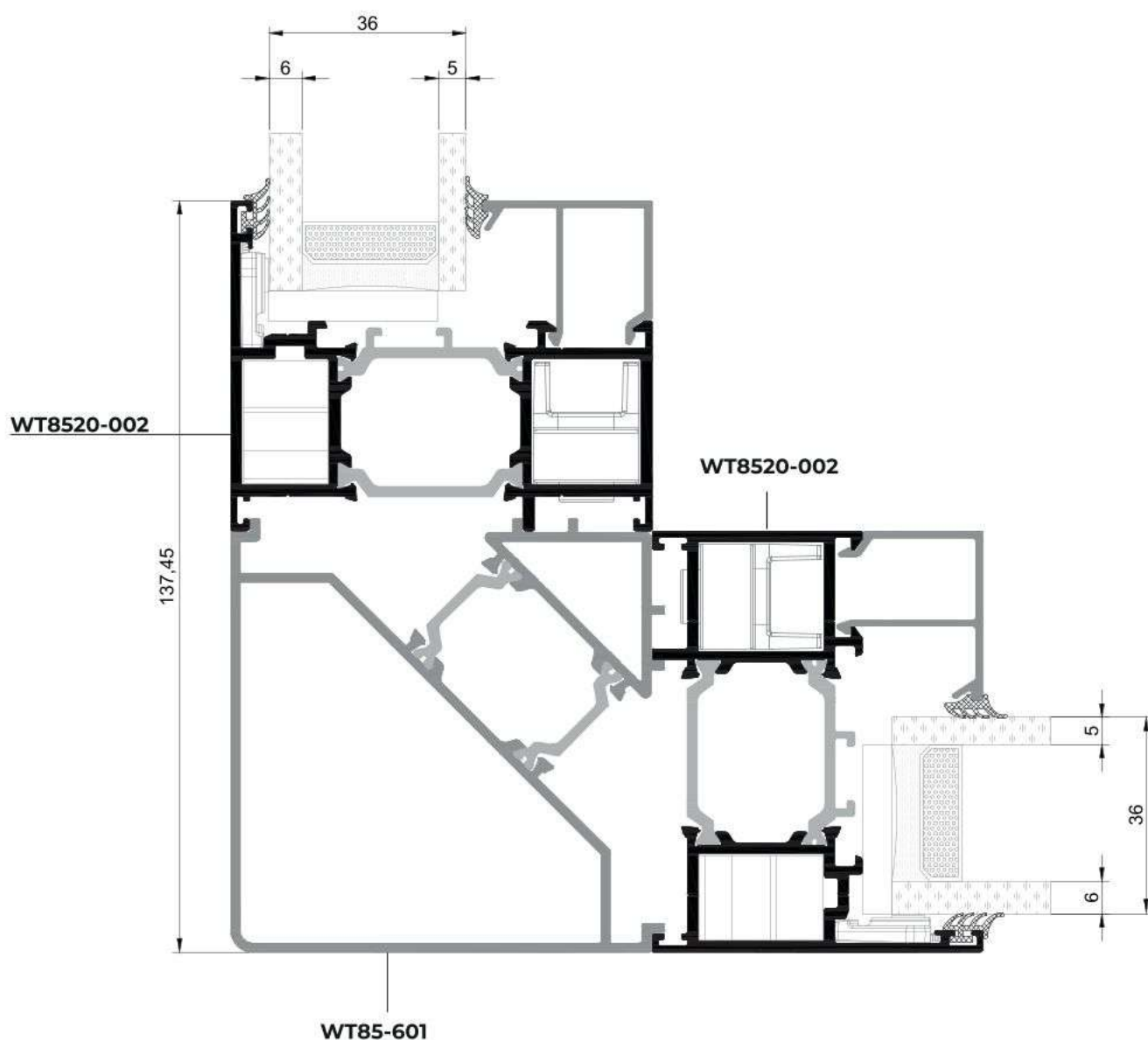
corner window



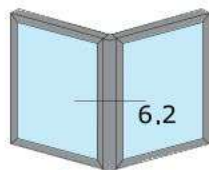
## SECTIONS



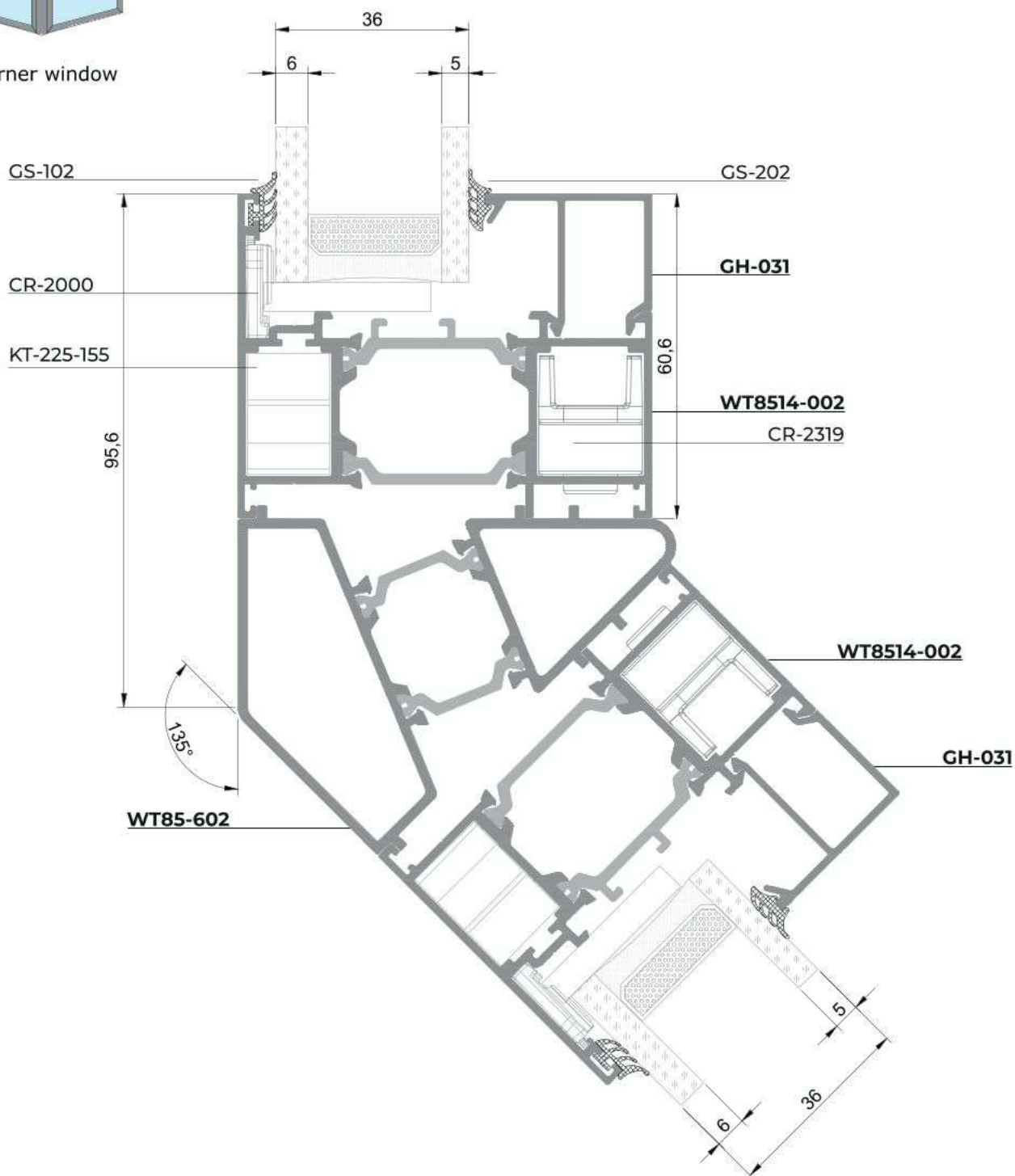
corner window



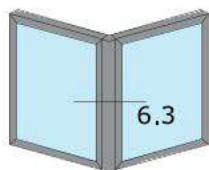
## SECTIONS



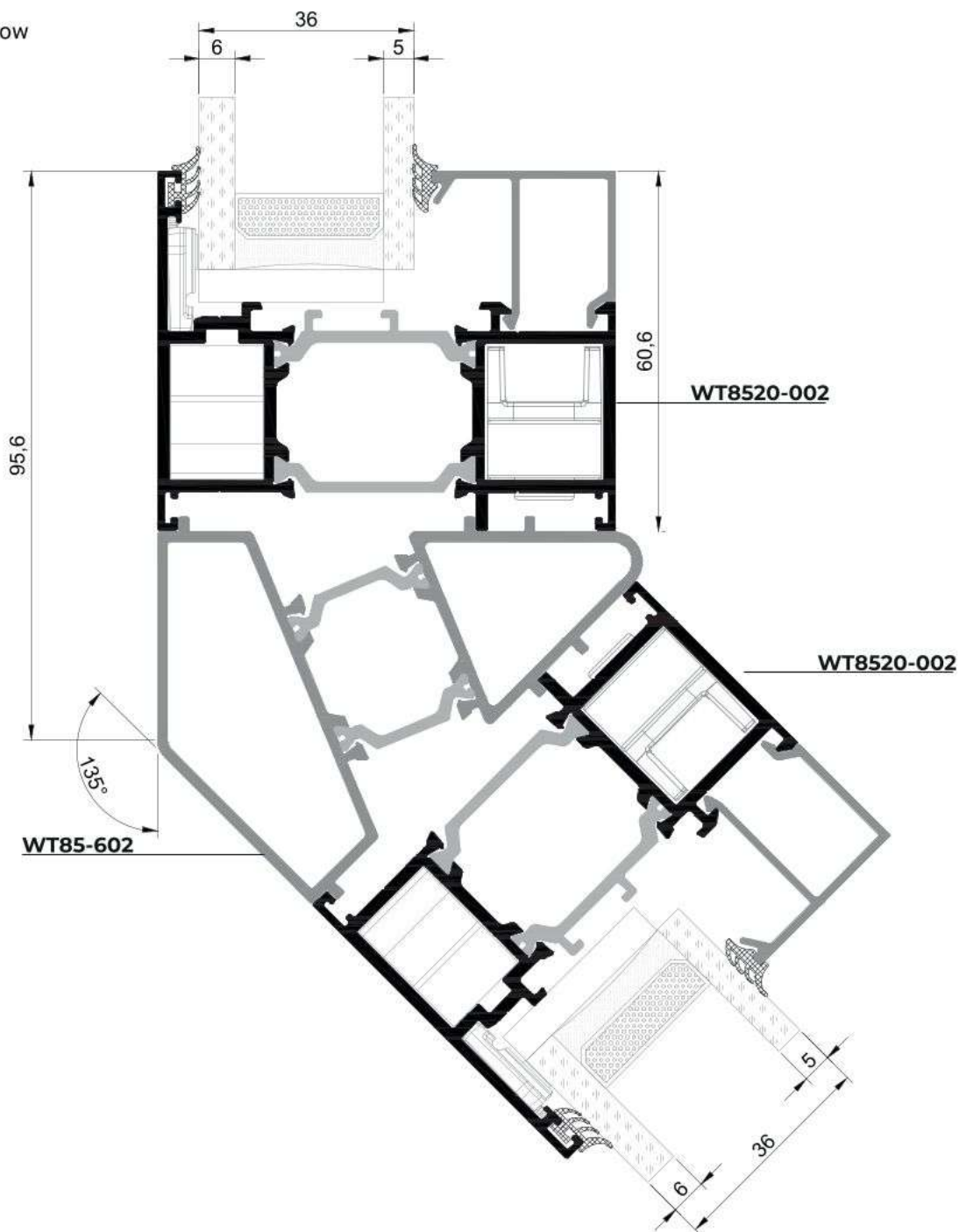
corner window

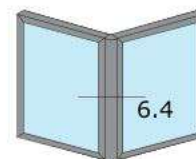


## SECTIONS

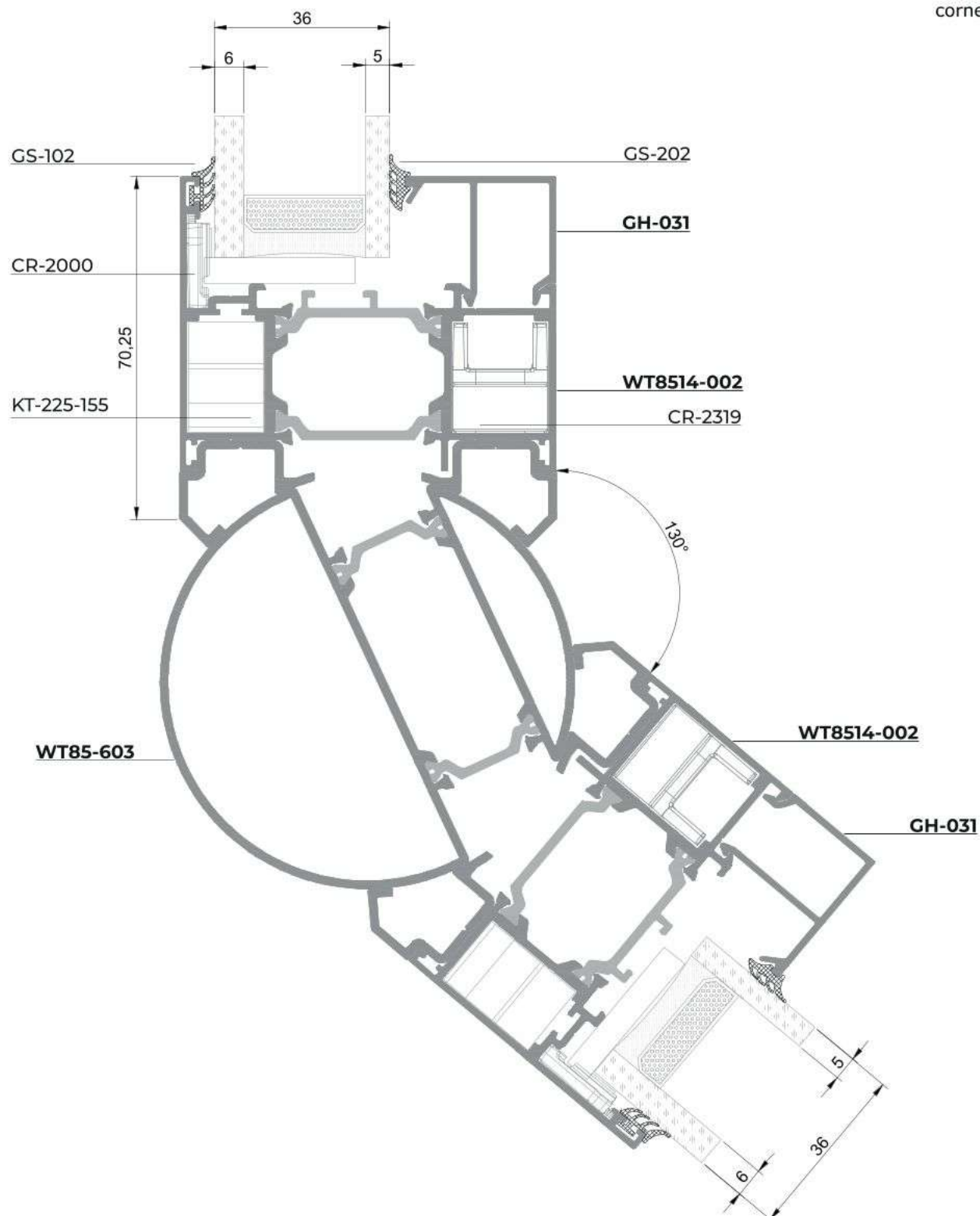


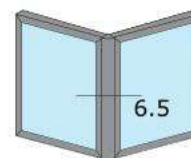
corner window



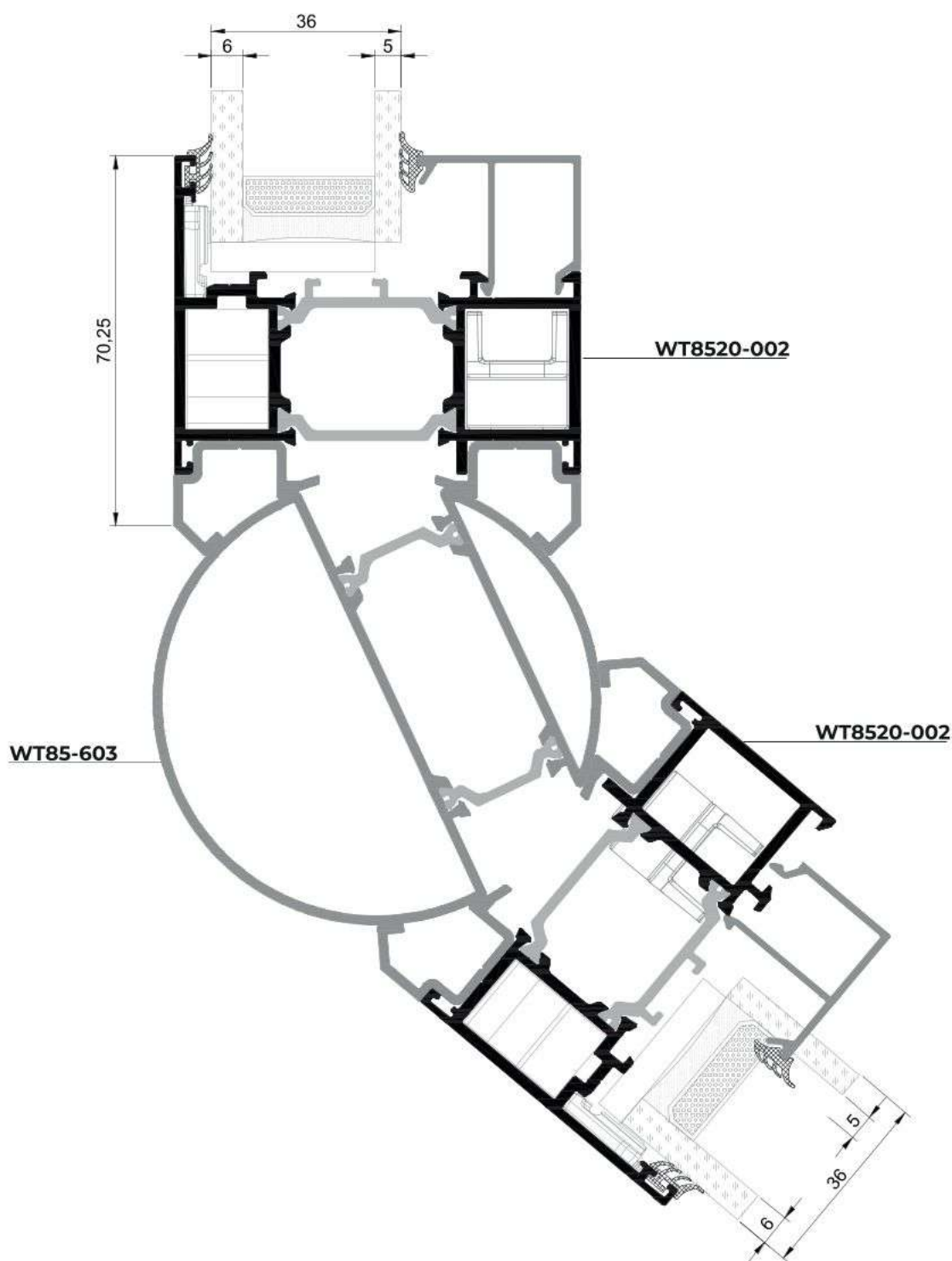


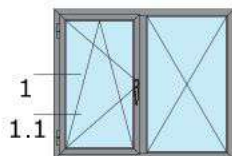
corner window



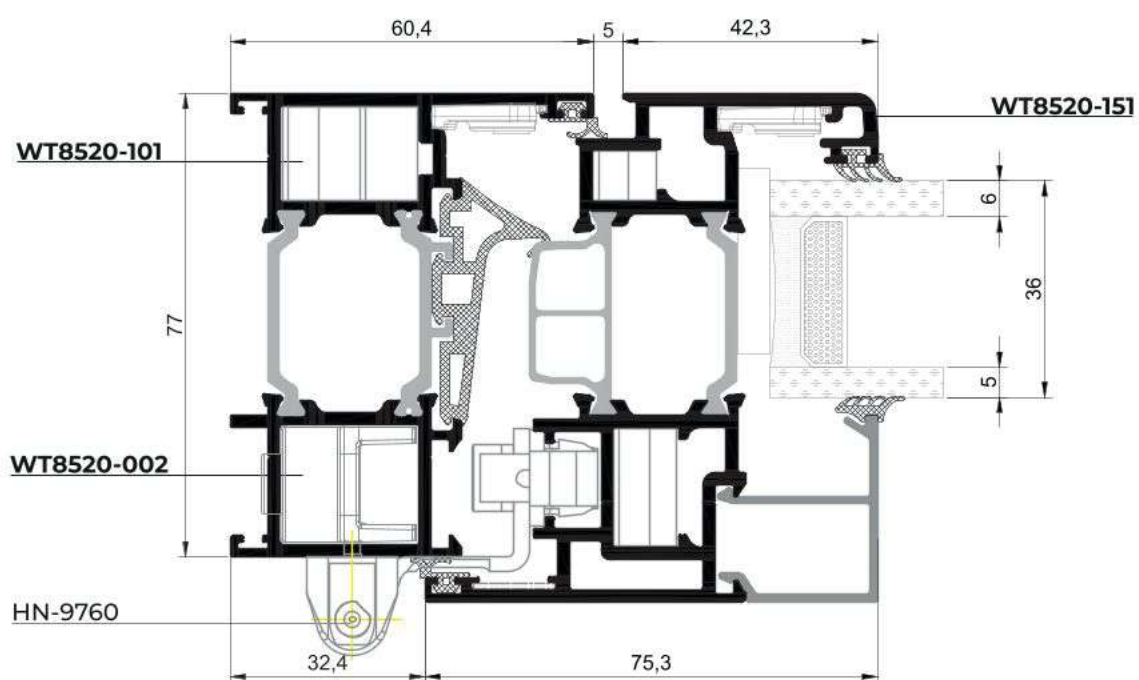
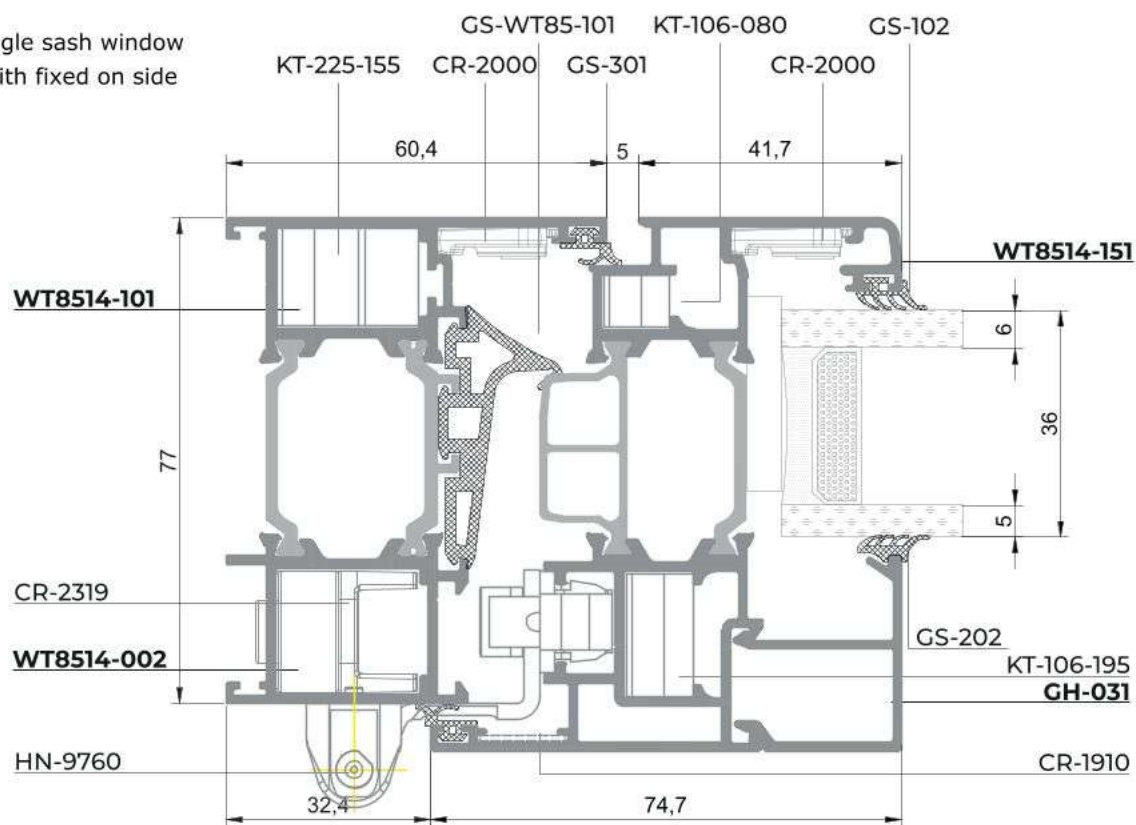


corner window

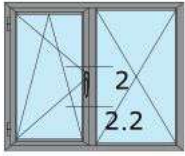




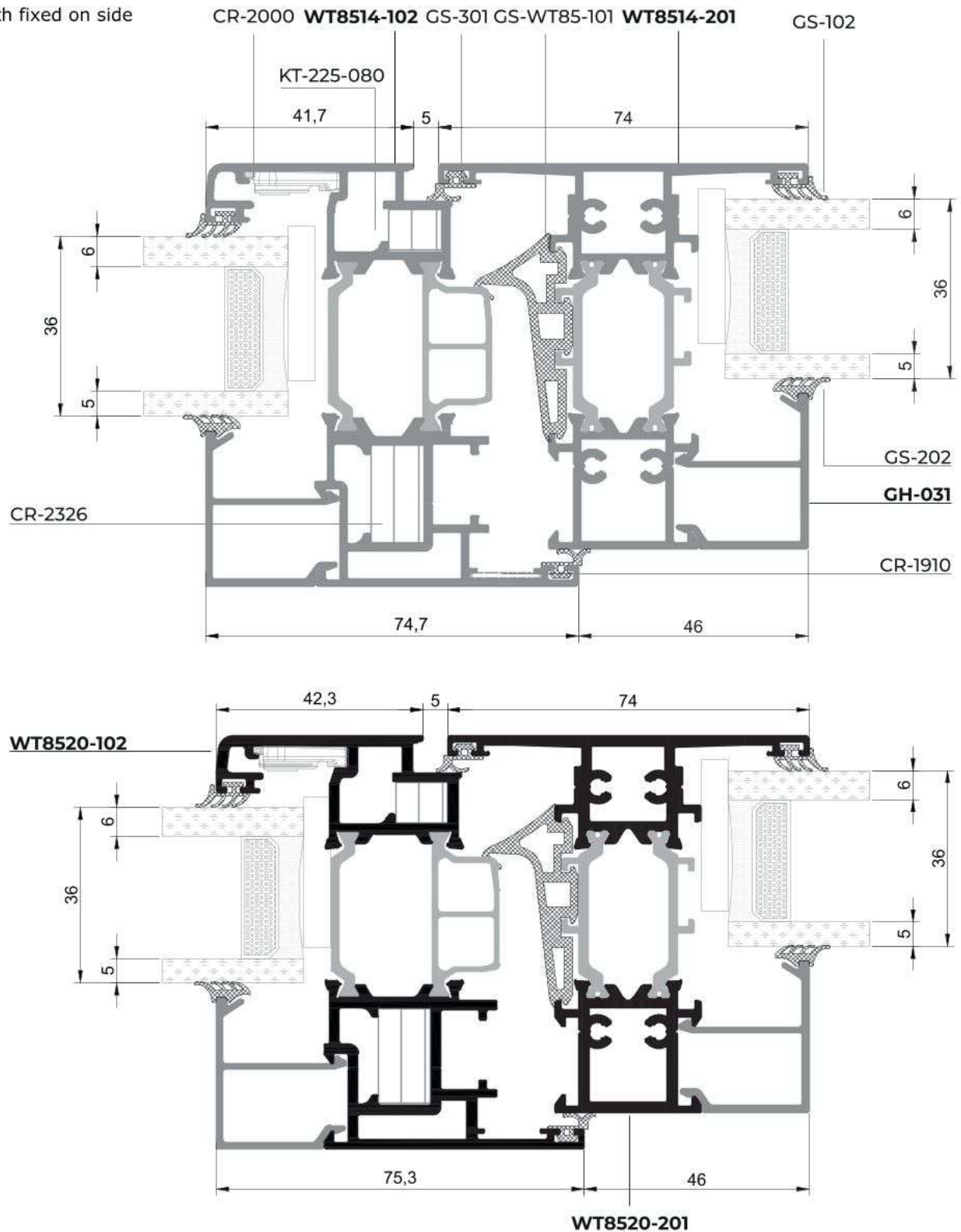
single sash window  
with fixed on side



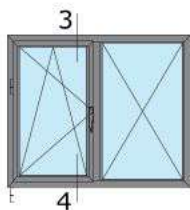
## SECTIONS



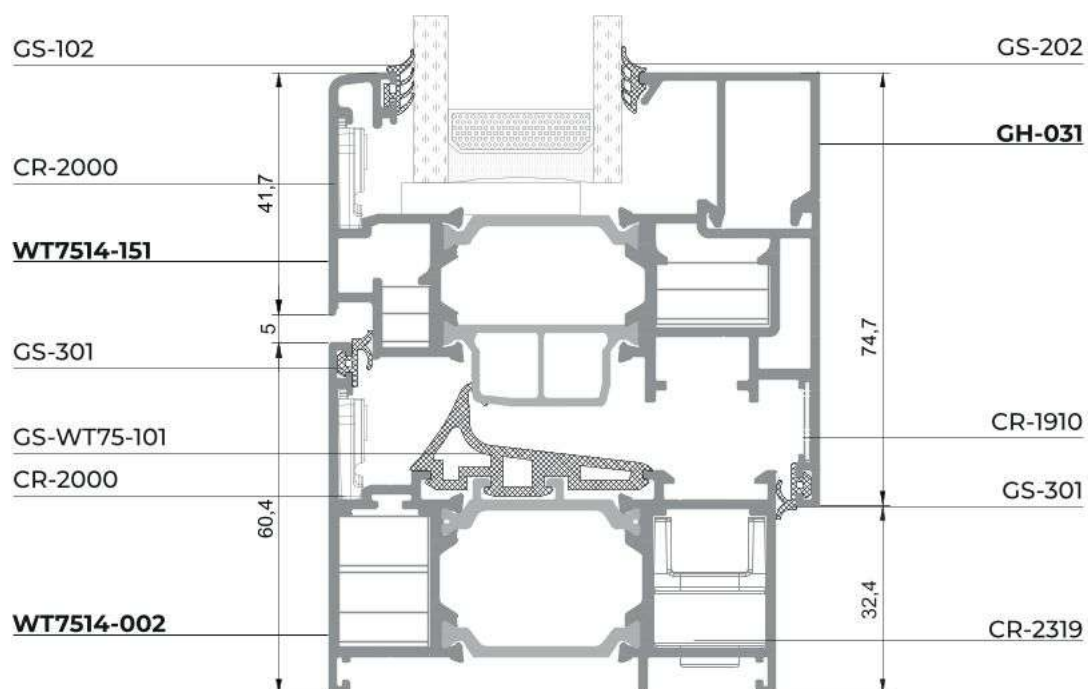
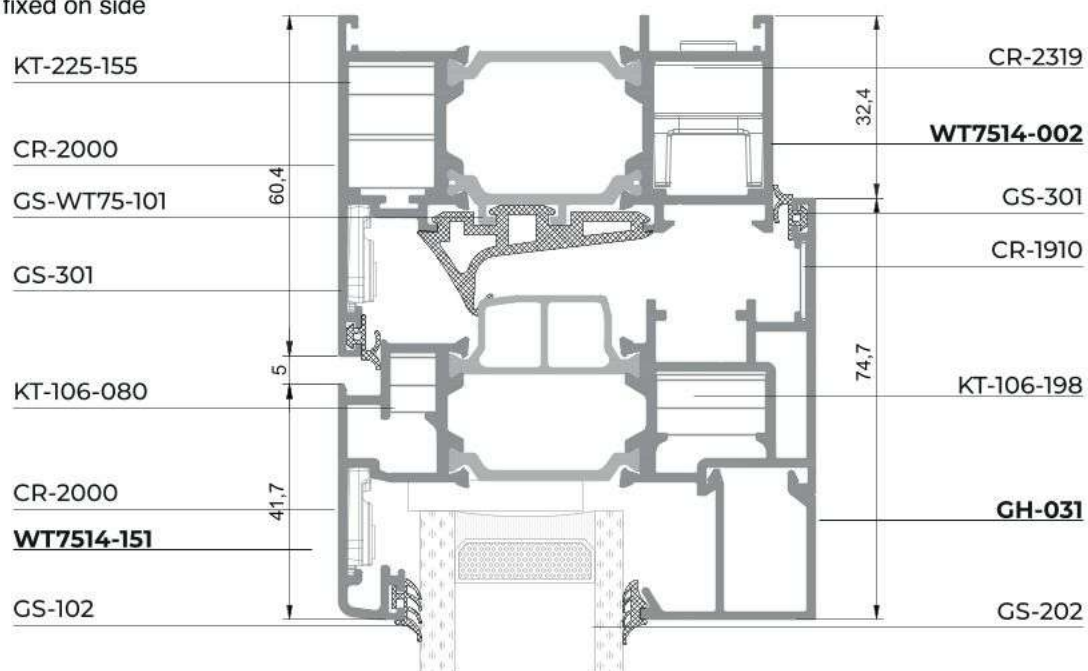
single sash window  
with fixed on side



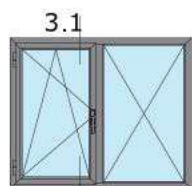
## SECTIONS



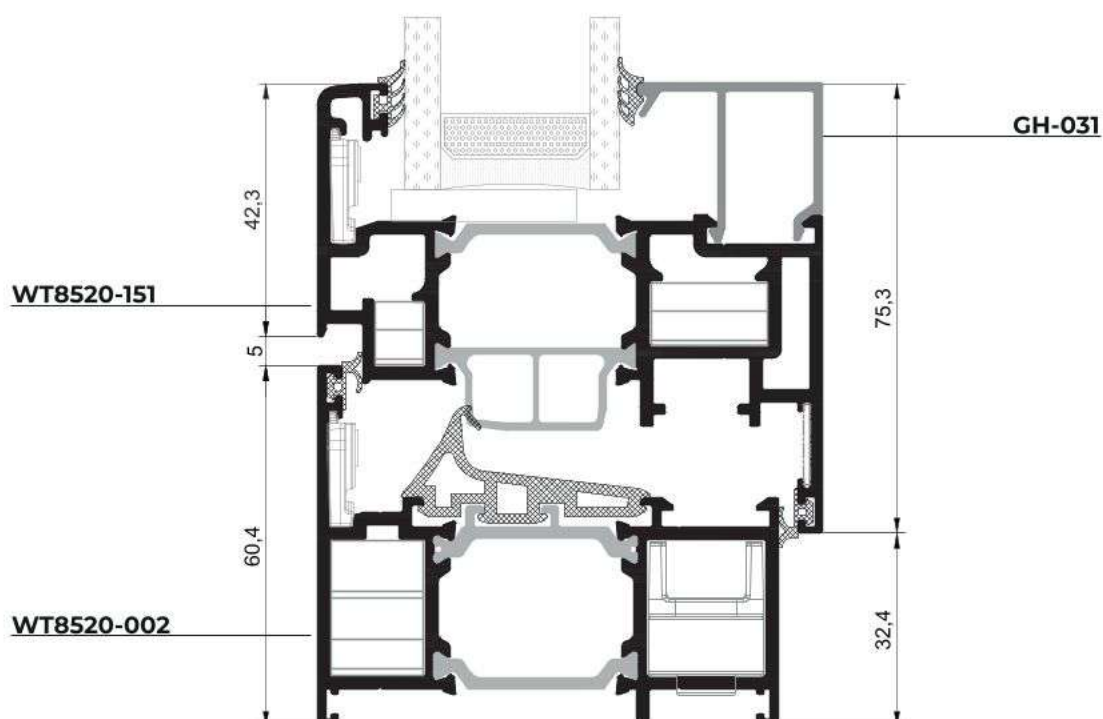
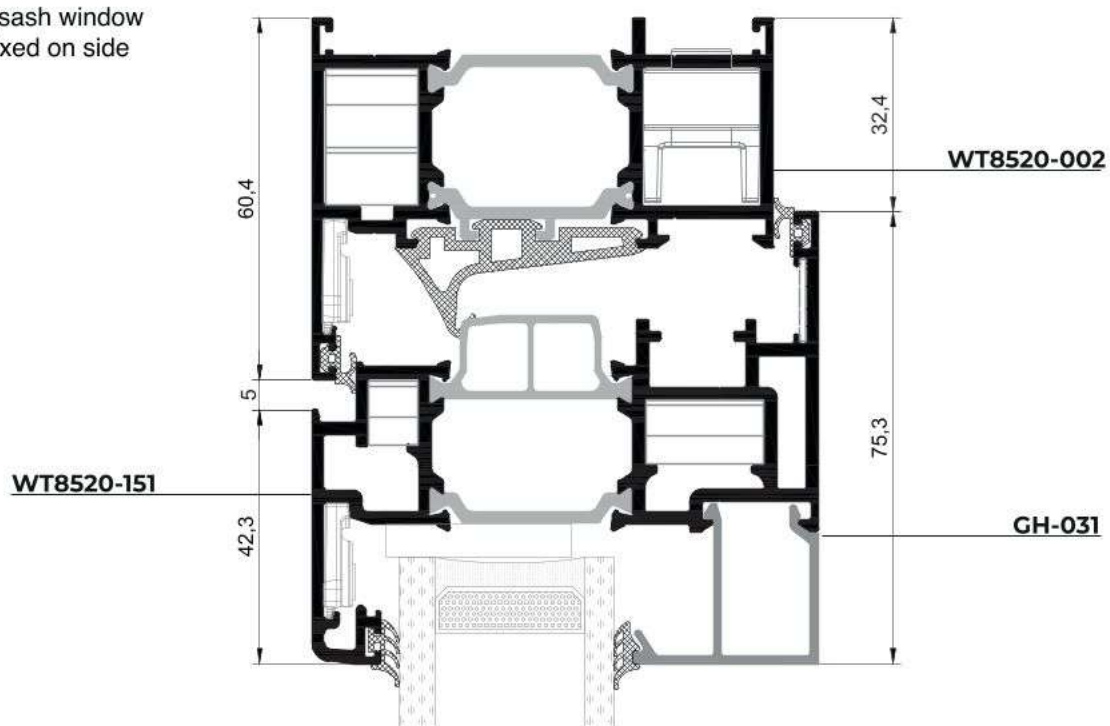
Single sash window  
with fixed on side



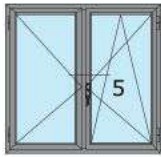
## SECTIONS



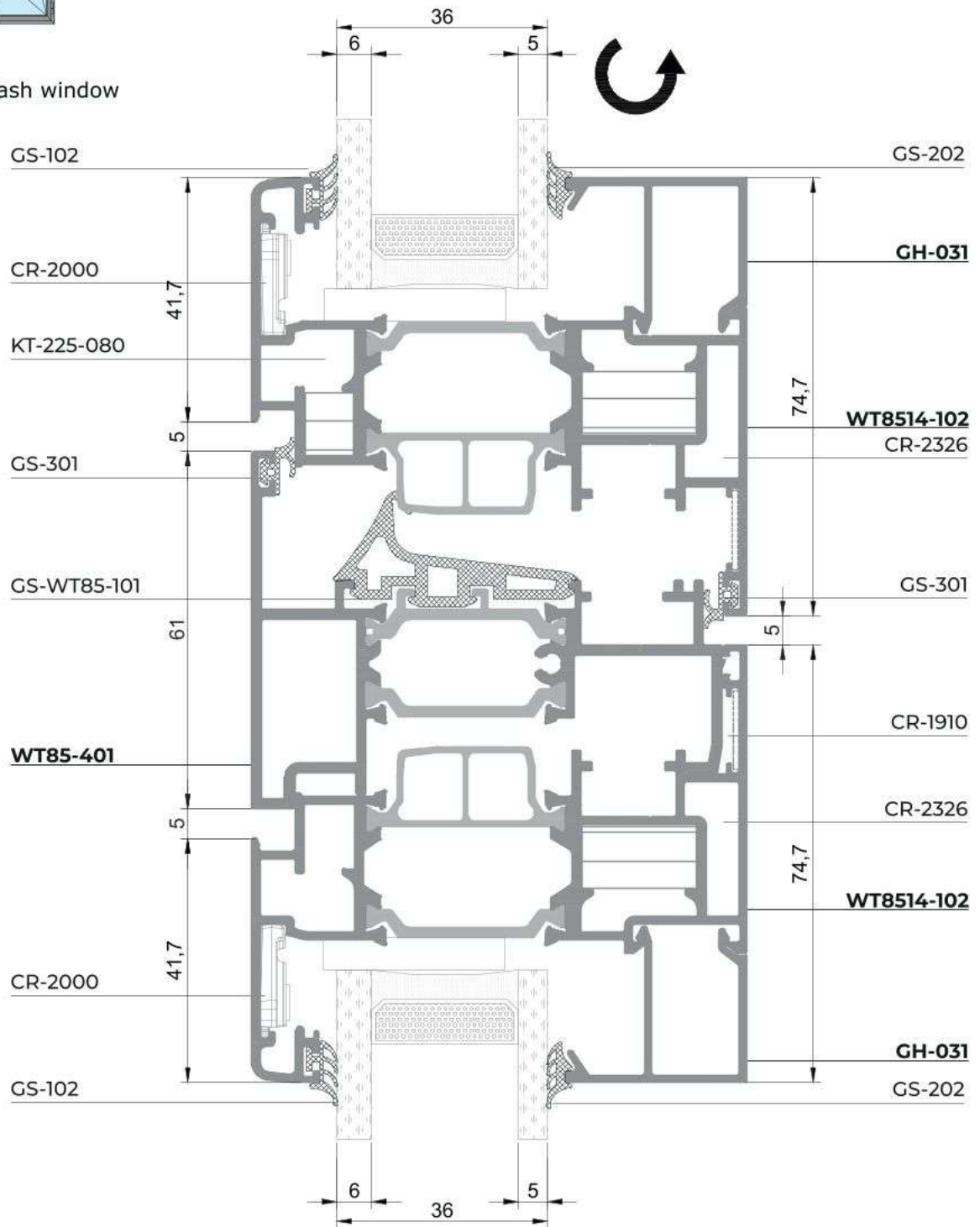
4.1  
Single sash window  
with fixed on side



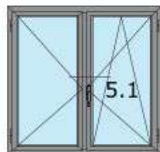
## SECTIONS



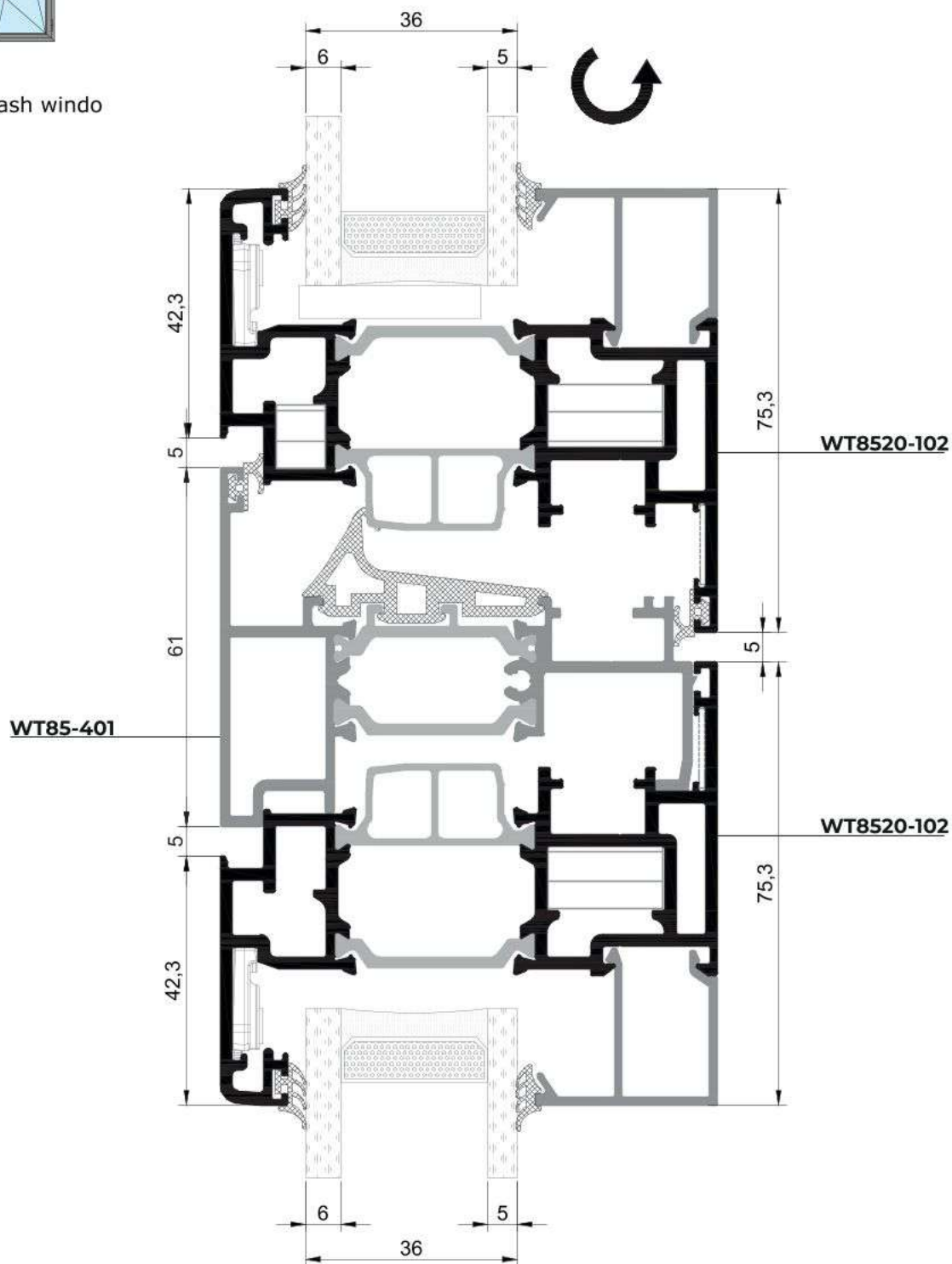
double sash window



## SECTIONS



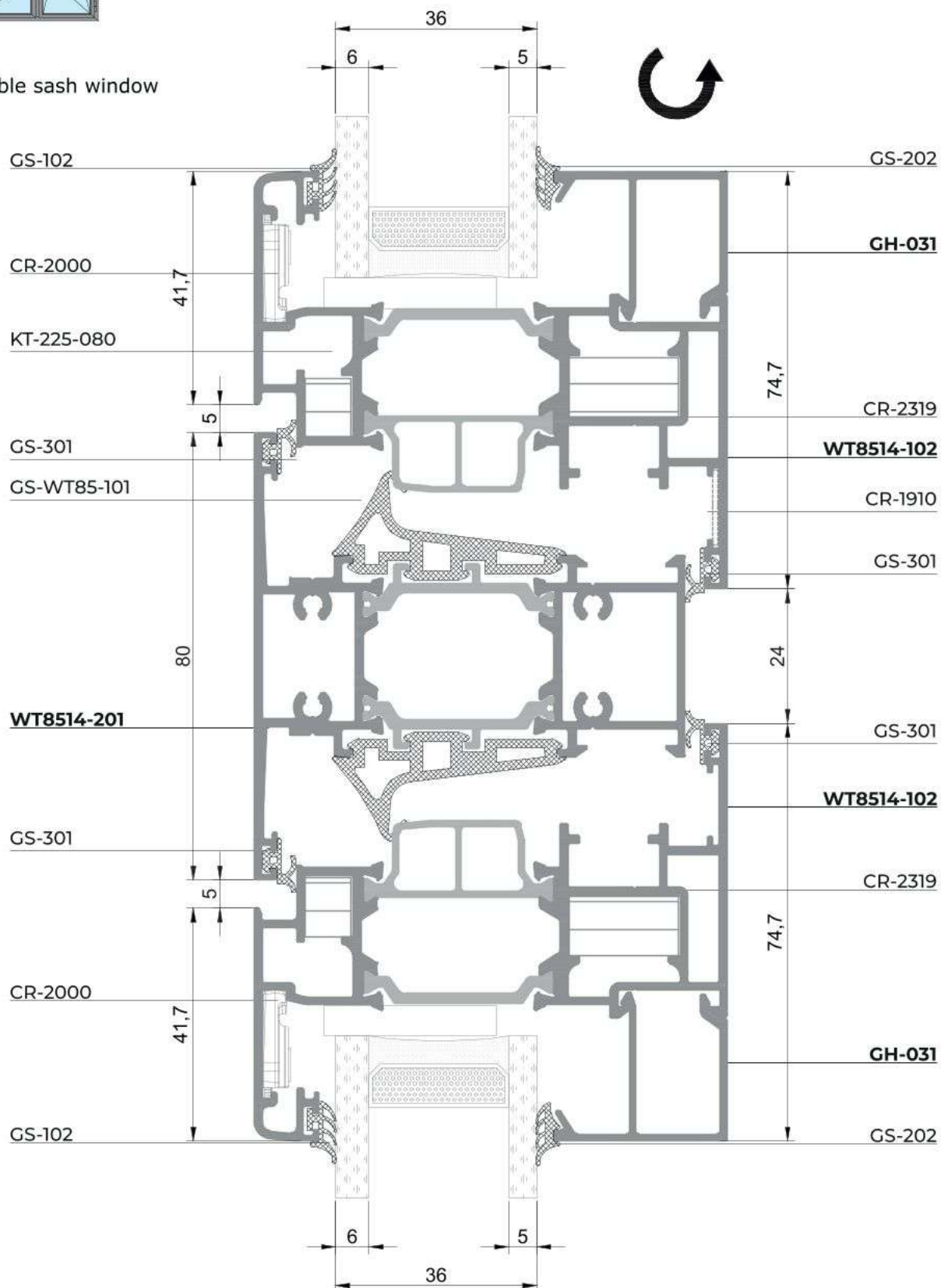
double sash windo



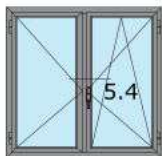
## SECTIONS



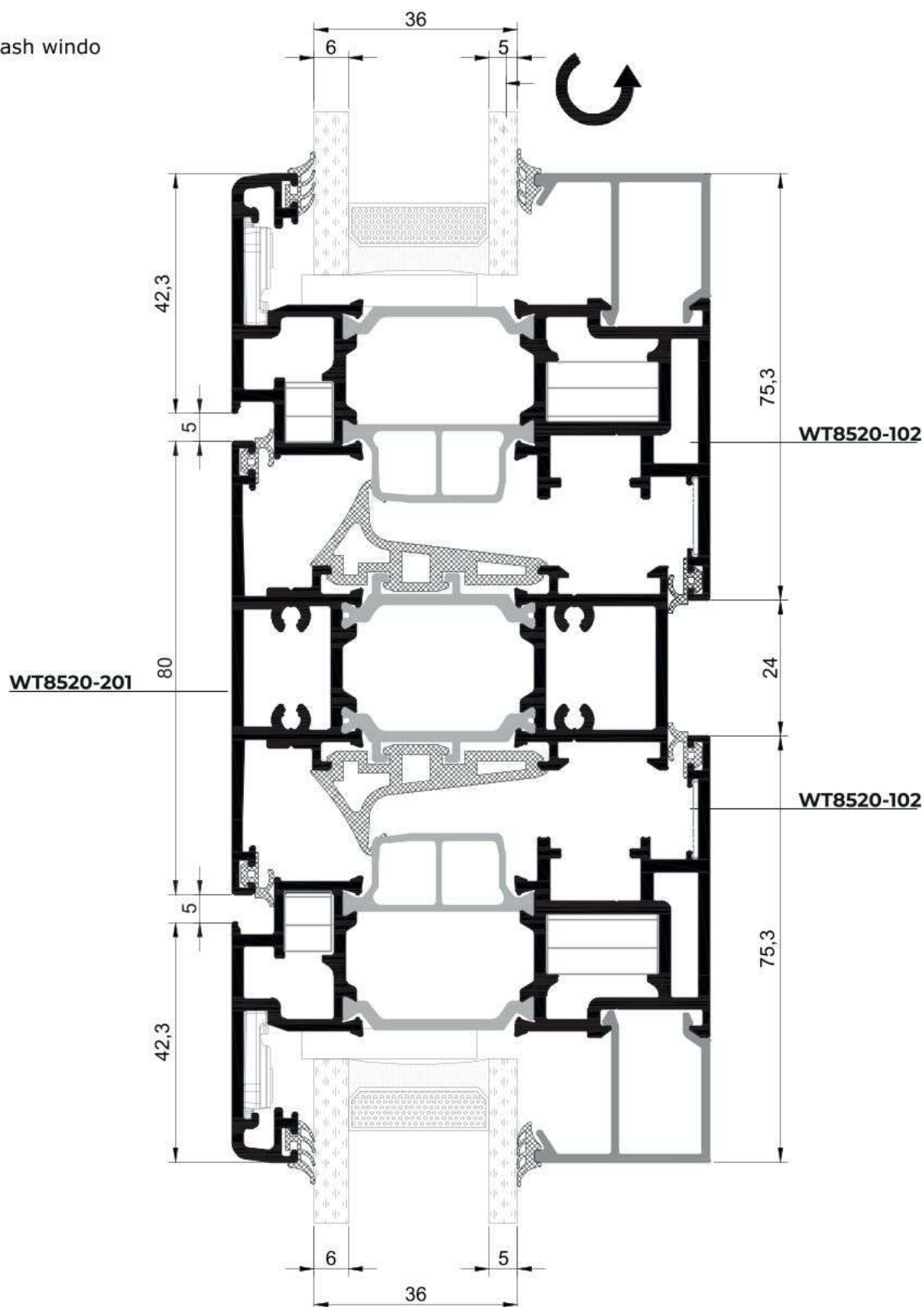
double sash window



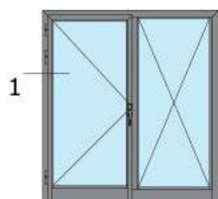
## SECTIONS



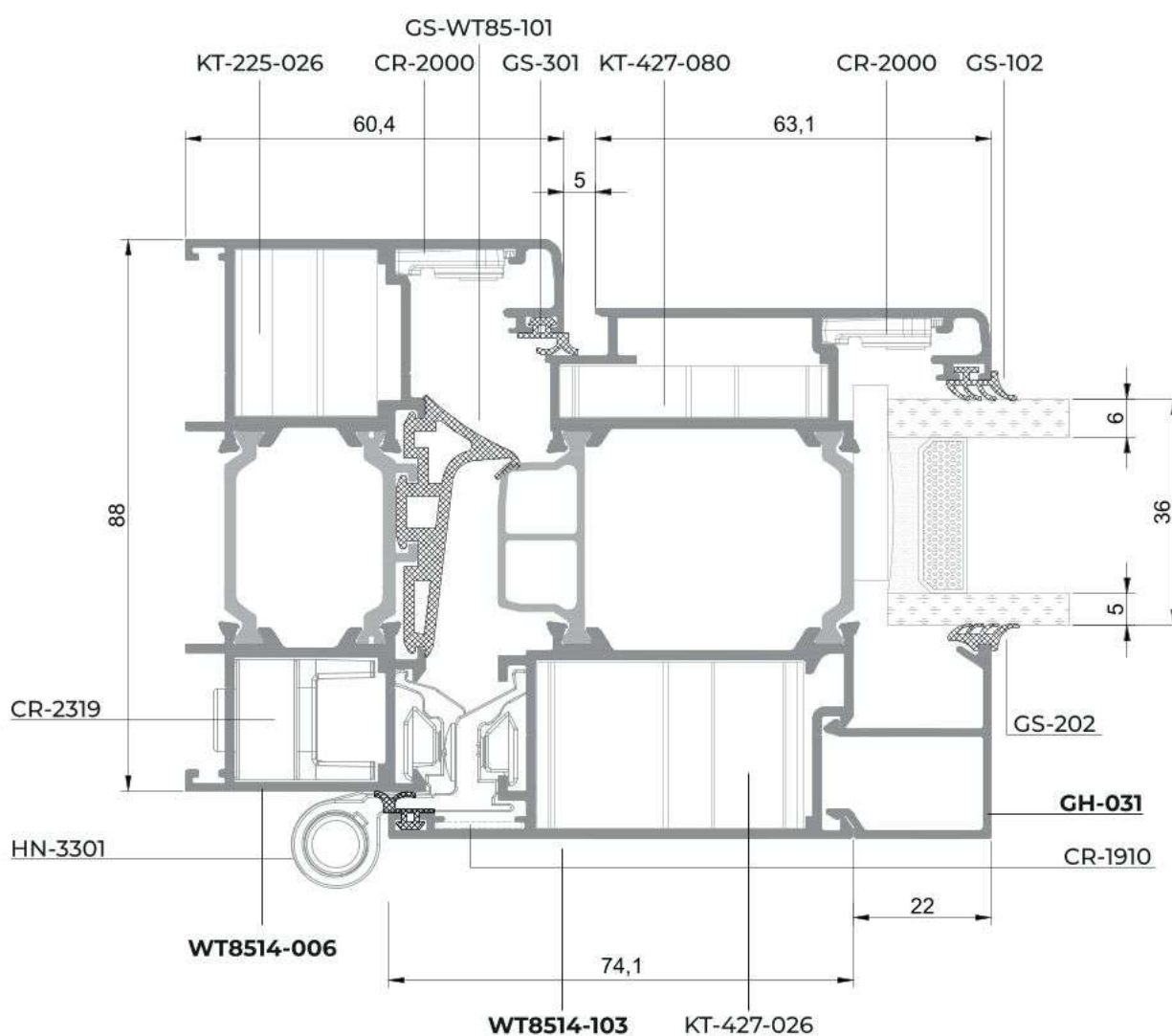
double sash windo

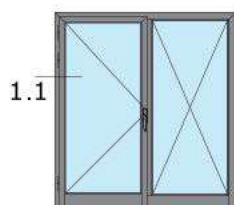


## SECTIONS



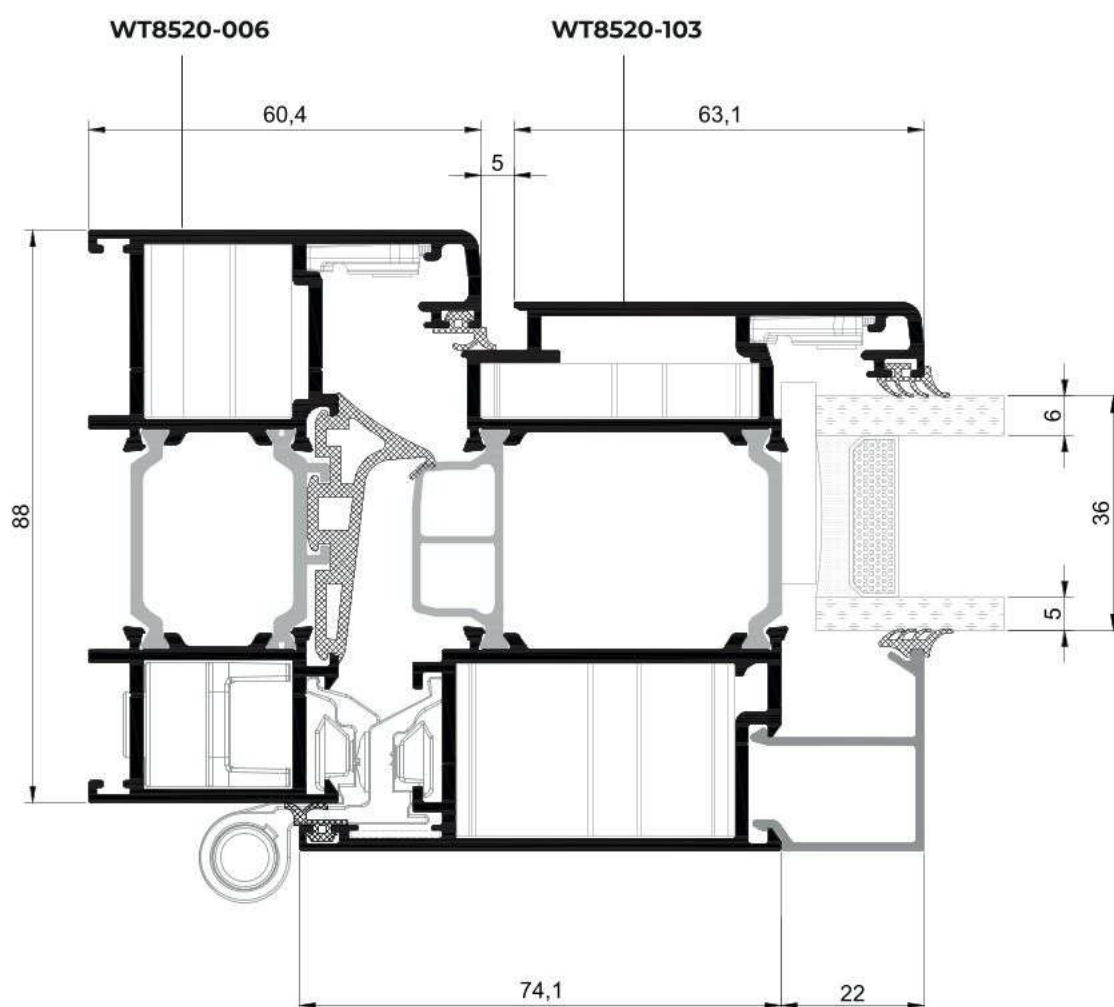
Single sash door  
with fixed on side  
(open in)





1.1

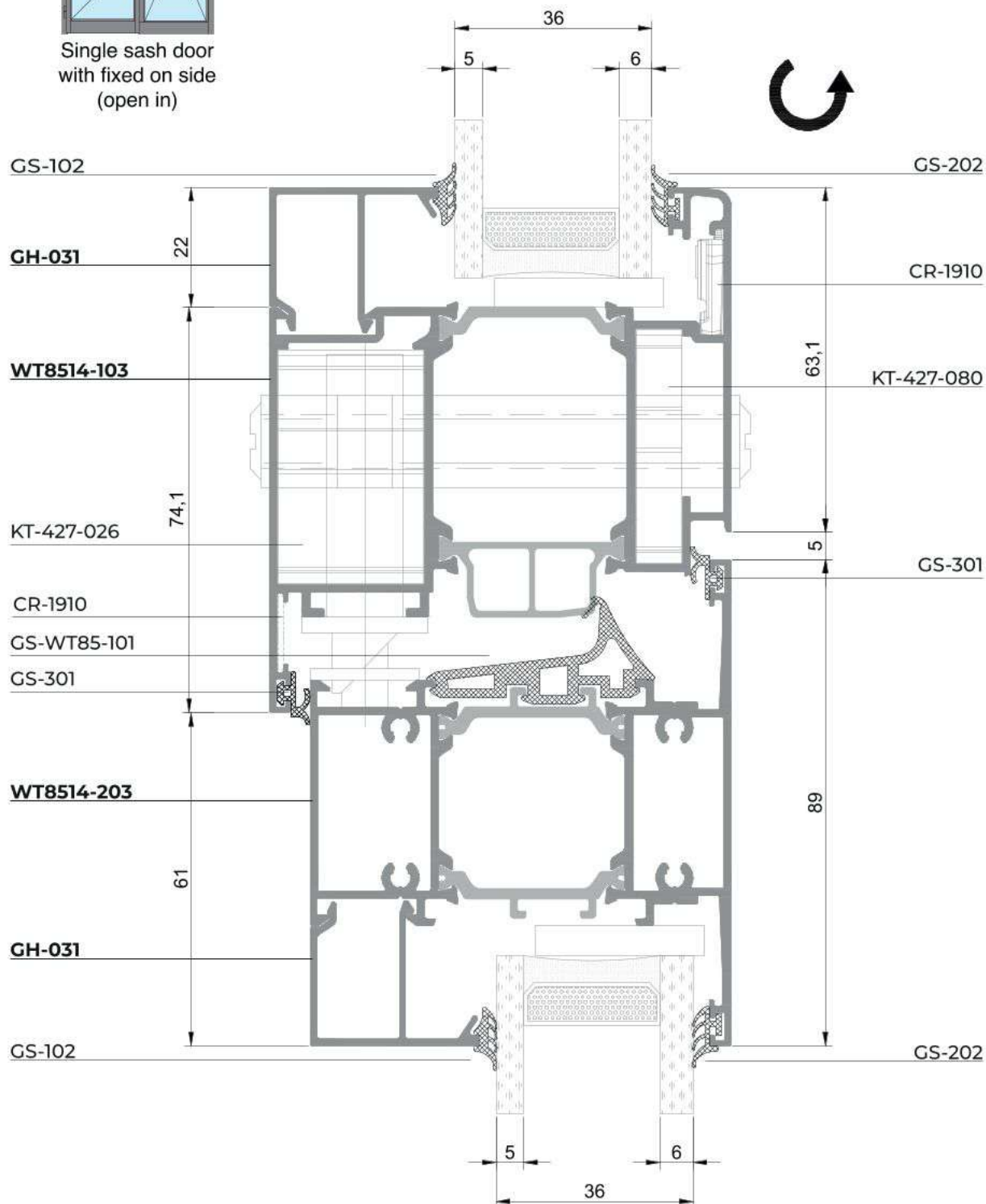
Single sash door  
with fixed on side  
(open in)



## SECTIONS



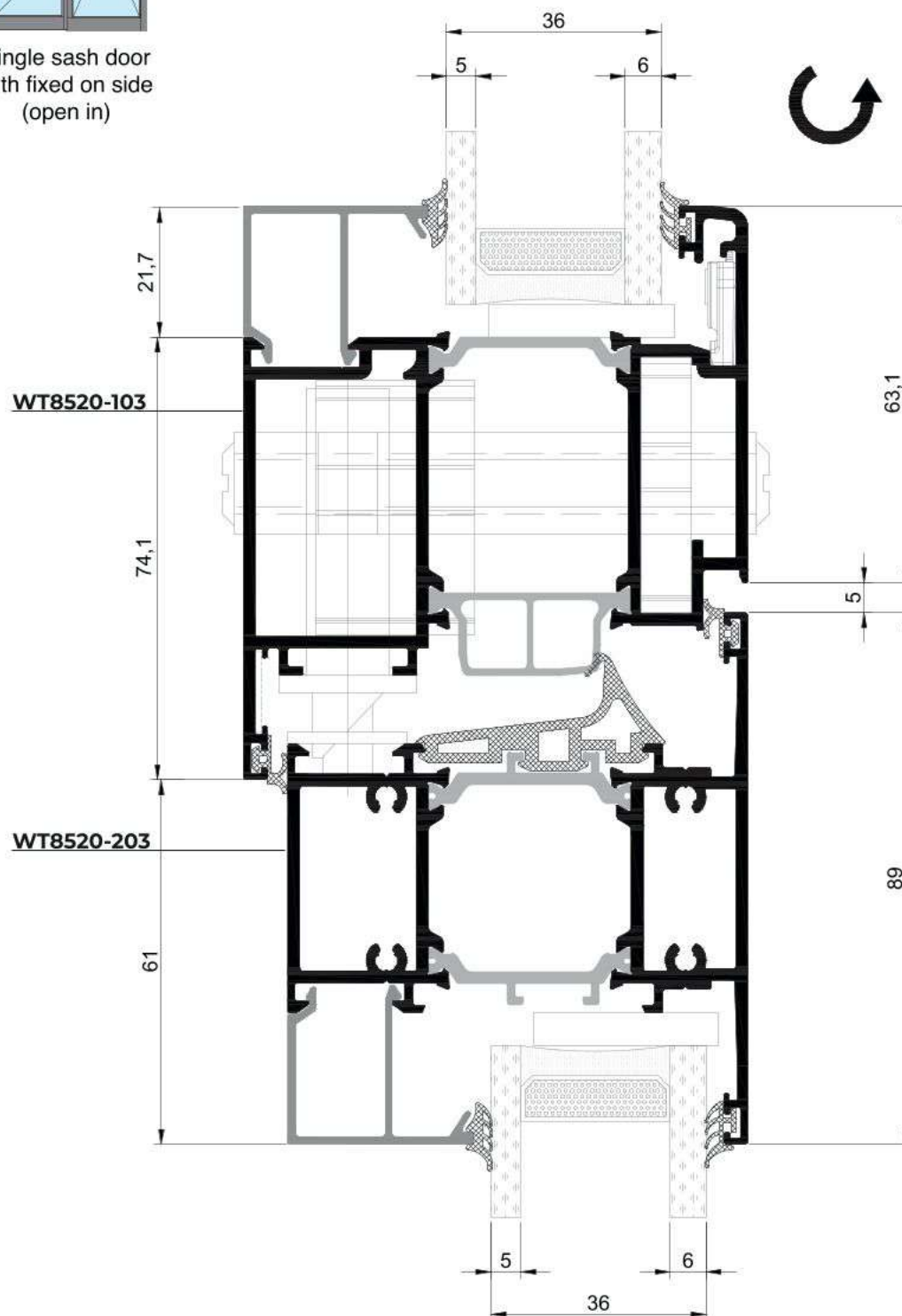
Single sash door  
with fixed on side  
(open in)



## SECTIONS



Single sash door  
with fixed on side  
(open in)

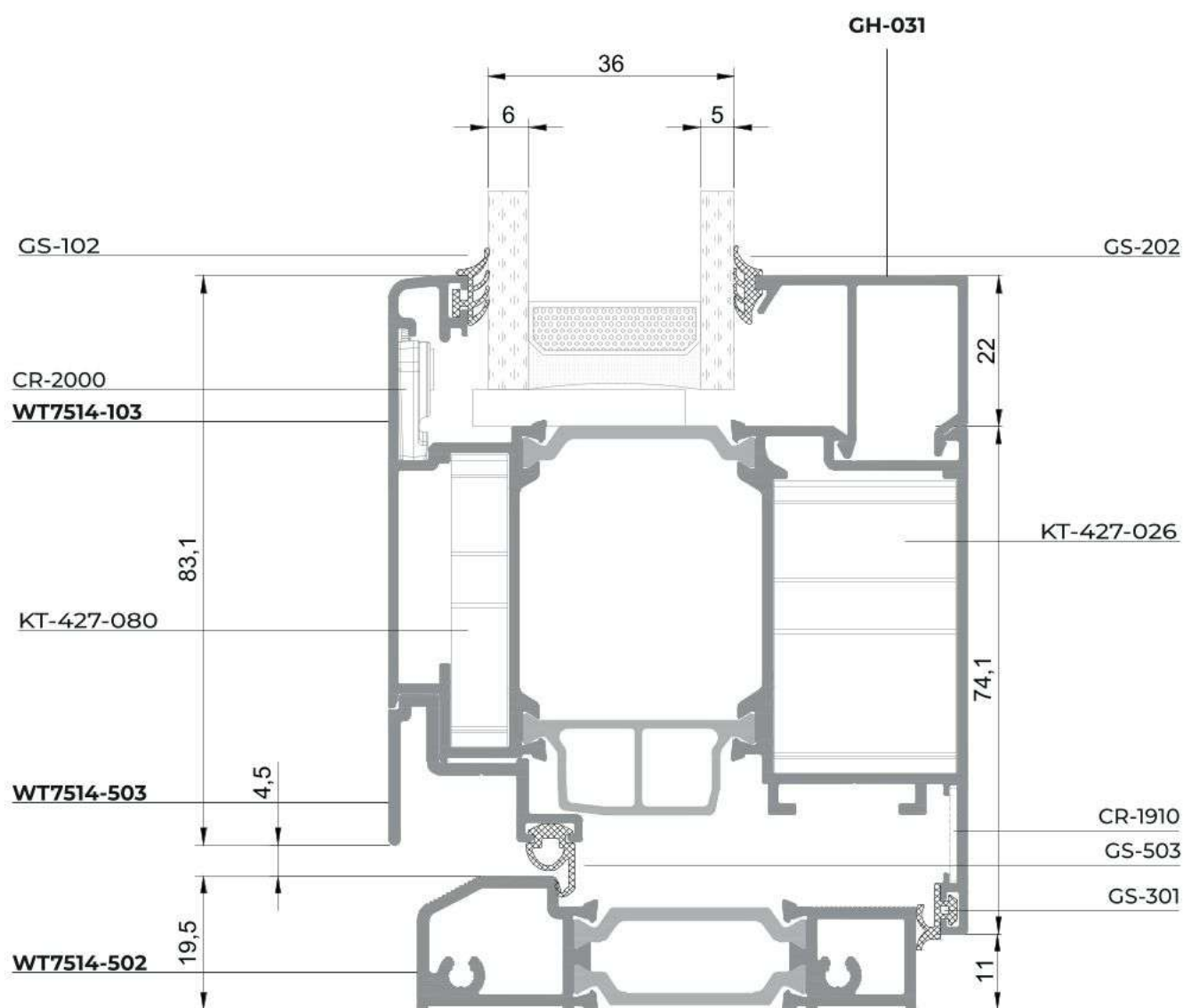


## SECTIONS



3

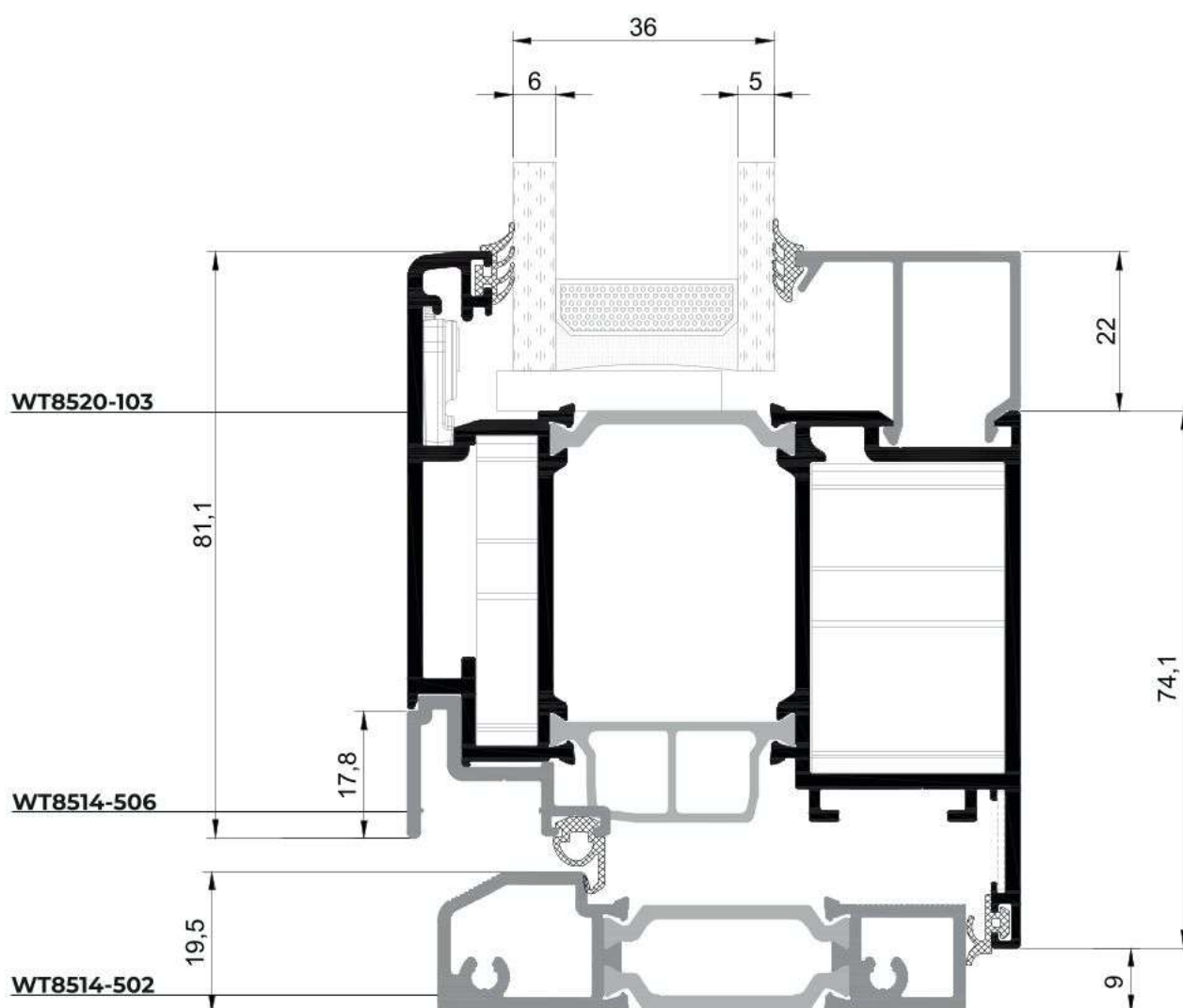
Single sash door  
with fixed on side  
(open in)



## SECTIONS



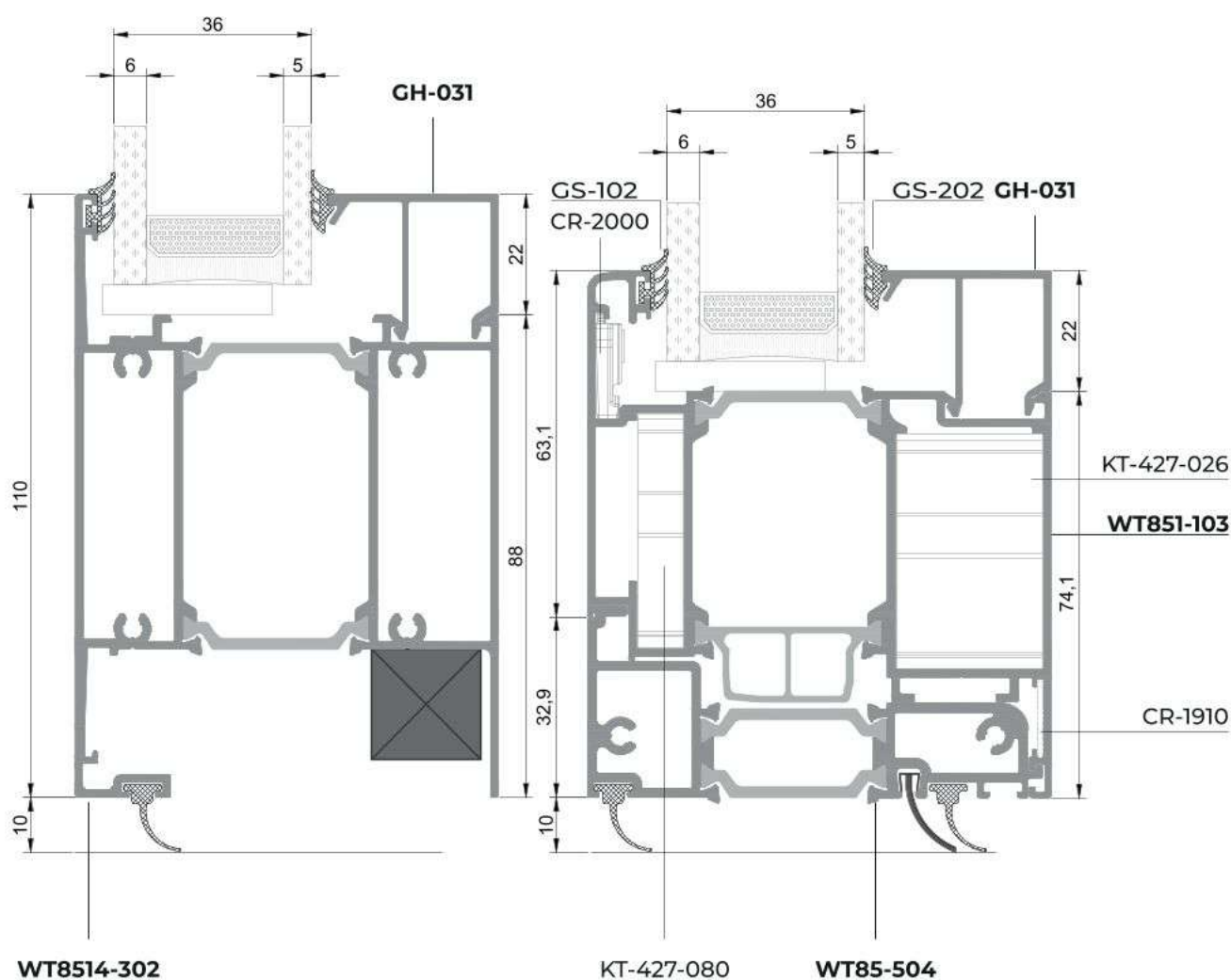
3.1  
Single sash door  
with fixed on side  
(open in)



## SECTIONS



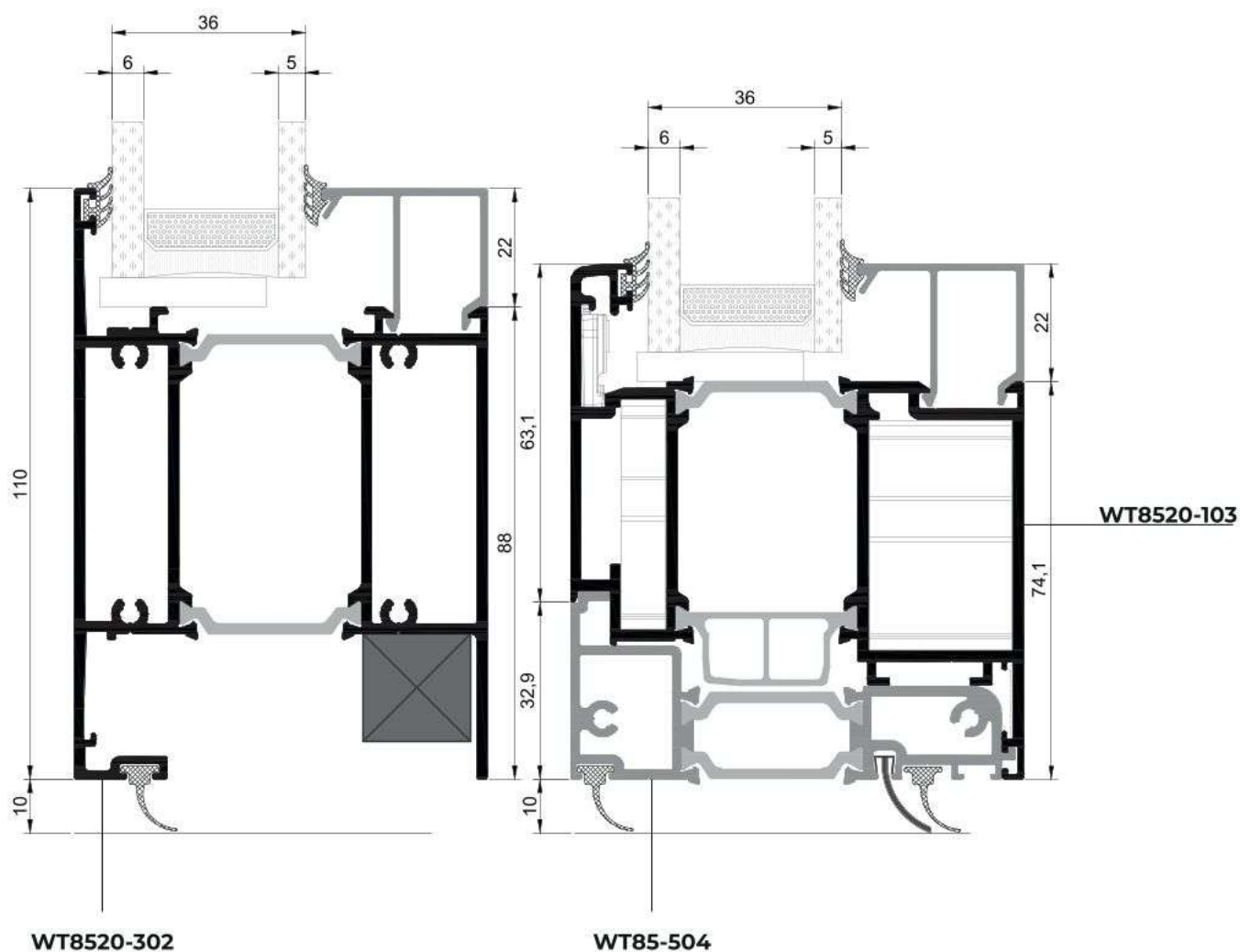
3  
Single sash door  
with fixed on side  
(open in)

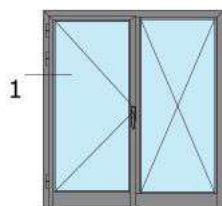


## SECTIONS

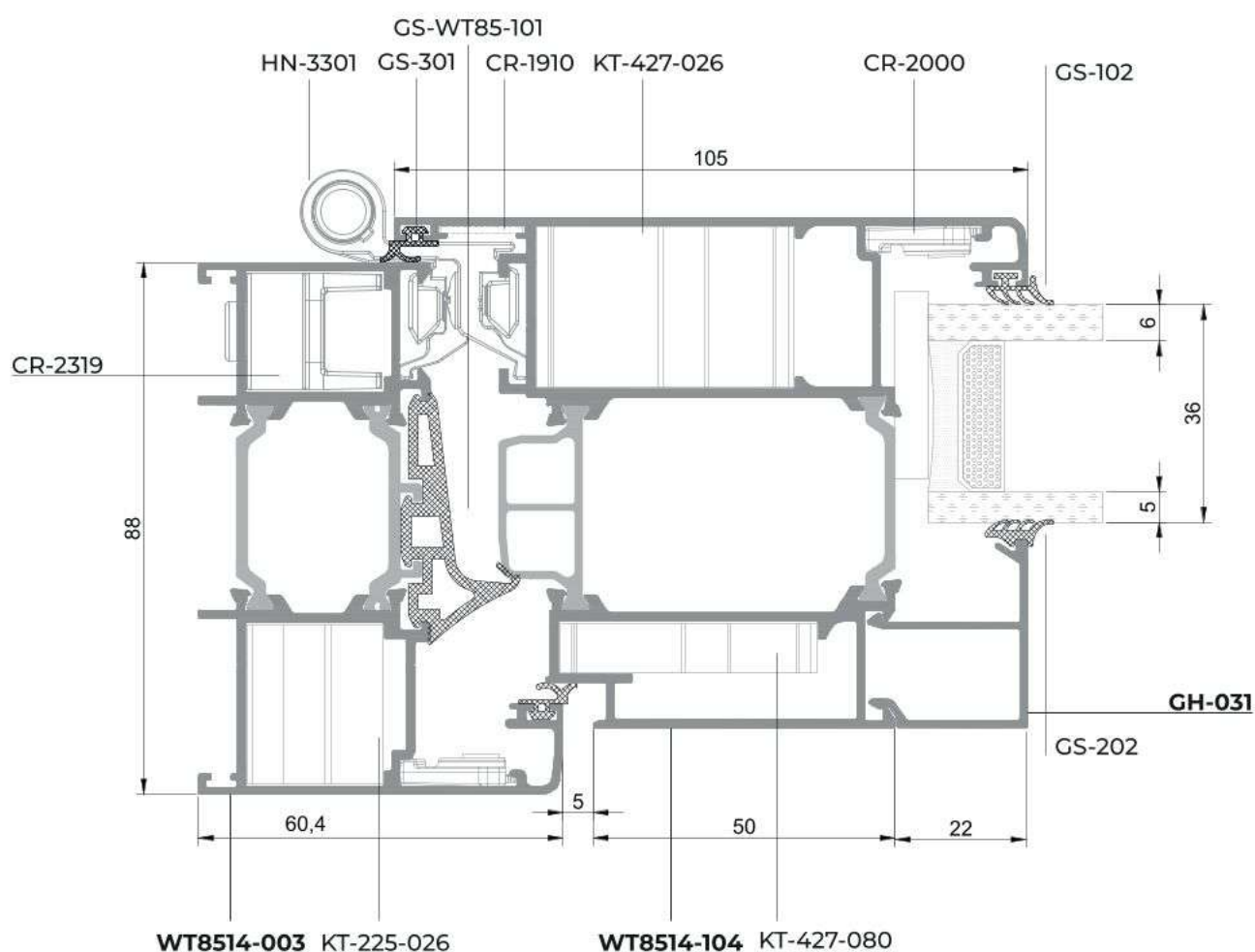


3.1  
Single sash door  
with fixed on side  
(open in)

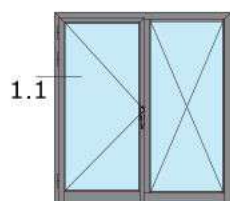




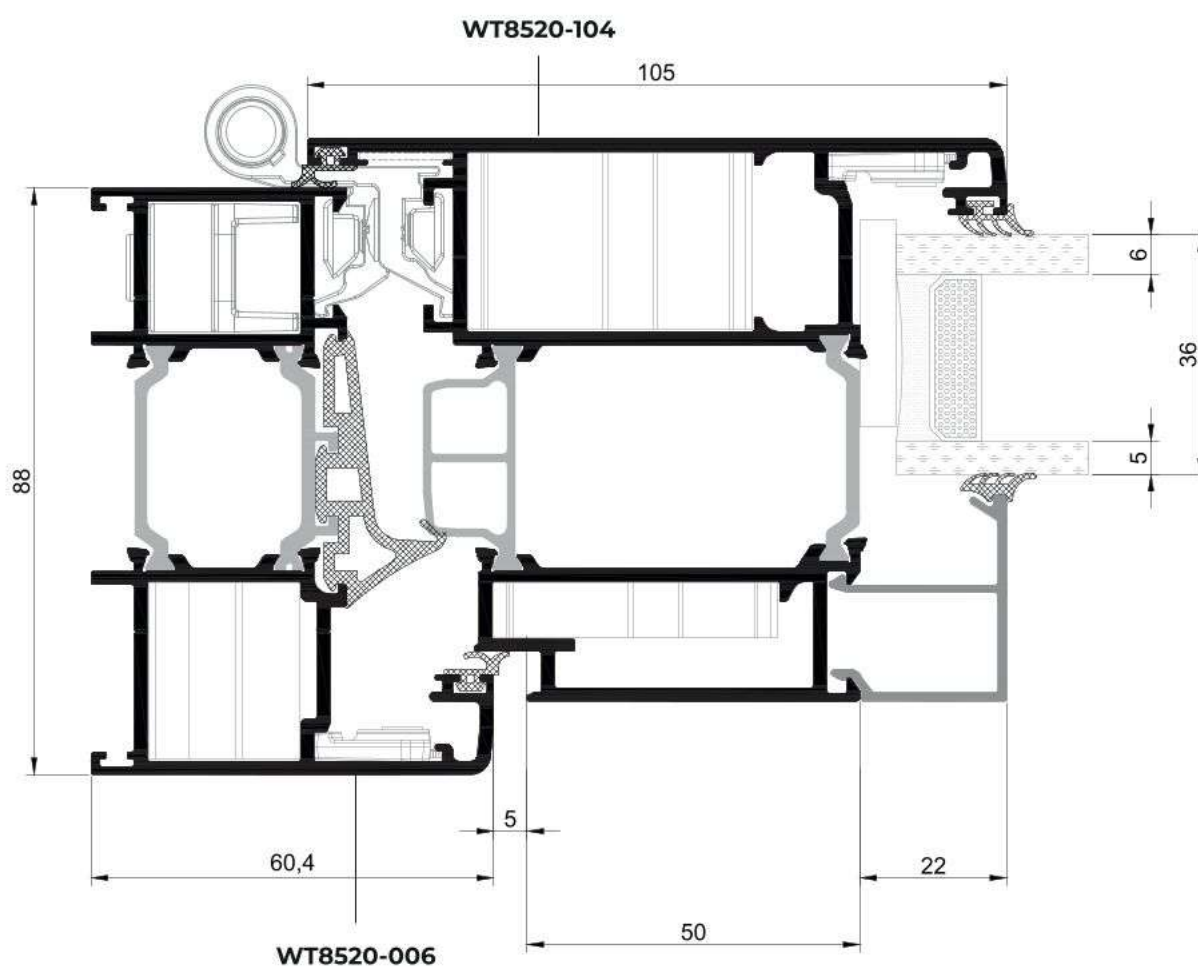
Single sash door  
with fixed on side  
(open out)



## SECTIONS



Single sash door  
with fixed on side  
(open out)



Technical drawing of a window frame cross-section, showing internal components and dimensions. The drawing is oriented vertically with the opening on the right side.

**Dimensions:**

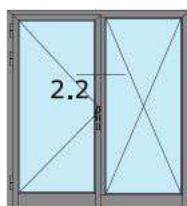
- Top width: 36 (total), 6 (left offset), 5 (right offset)
- Bottom width: 36 (total), 6 (left offset), 5 (right offset)
- Left height segments: 105, 89.6, 28.6
- Right height segments: 22, 50, 5, 89

**Components and Labels:**

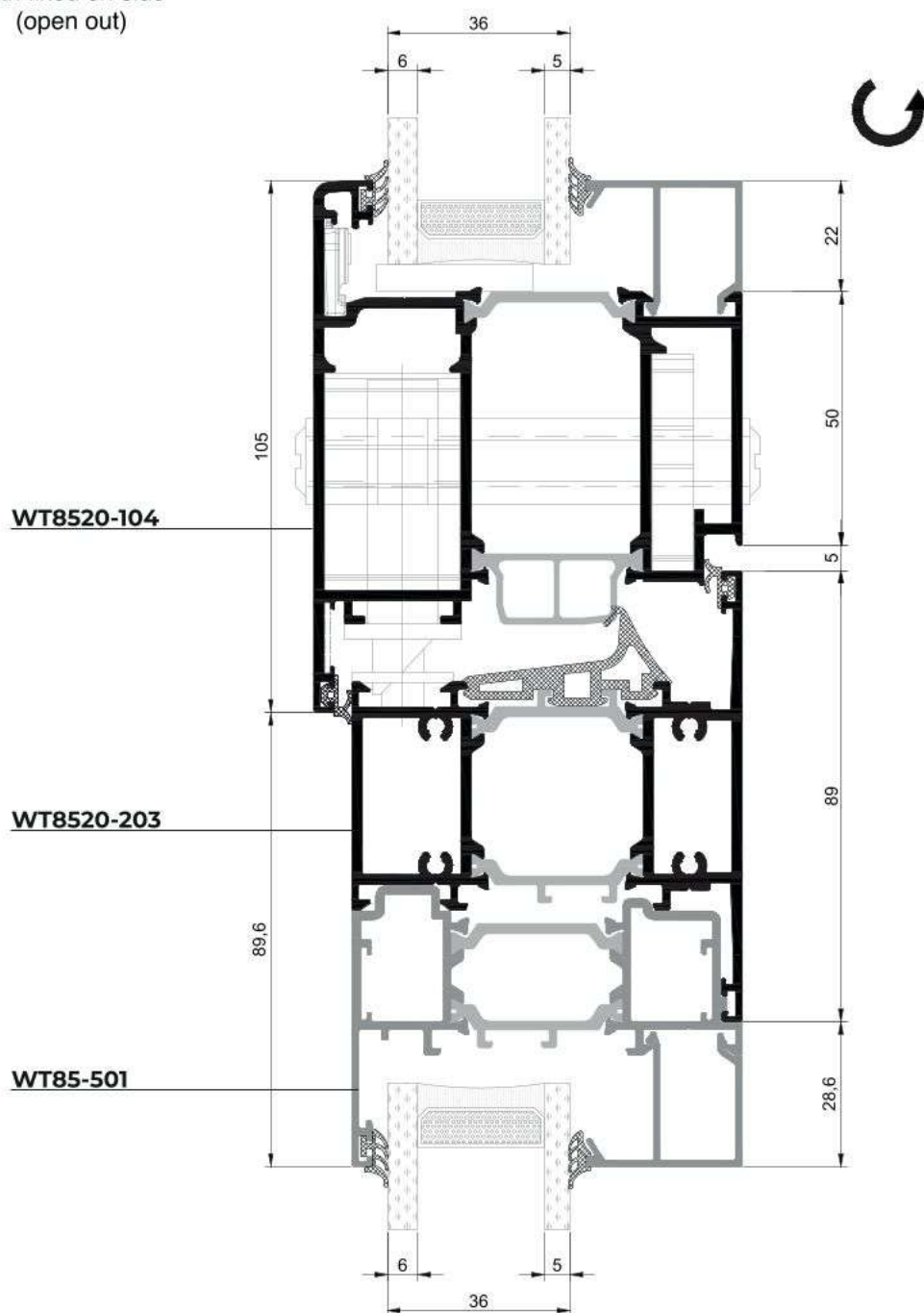
- GS-102**: Glass unit (top and bottom)
- GH-031**: Gasket (top and bottom)
- CR-2000**: Corner connector (top left)
- KT-427-026**: Thermal break (top left)
- KT-427-080**: Thermal break (top right)
- GS-WT85-101**: Glass unit (middle left)
- WT8514-104**: Thermal break (middle left)
- GS-301**: Glass unit (middle right)
- WT8514-203**: Thermal break (middle right)
- WT8514-501**: Thermal break (bottom left)
- GS-202**: Glass unit (bottom right)

A curved arrow indicates the opening direction is to the right.

## SECTIONS



Single sash door  
with fixed on side  
(open out)

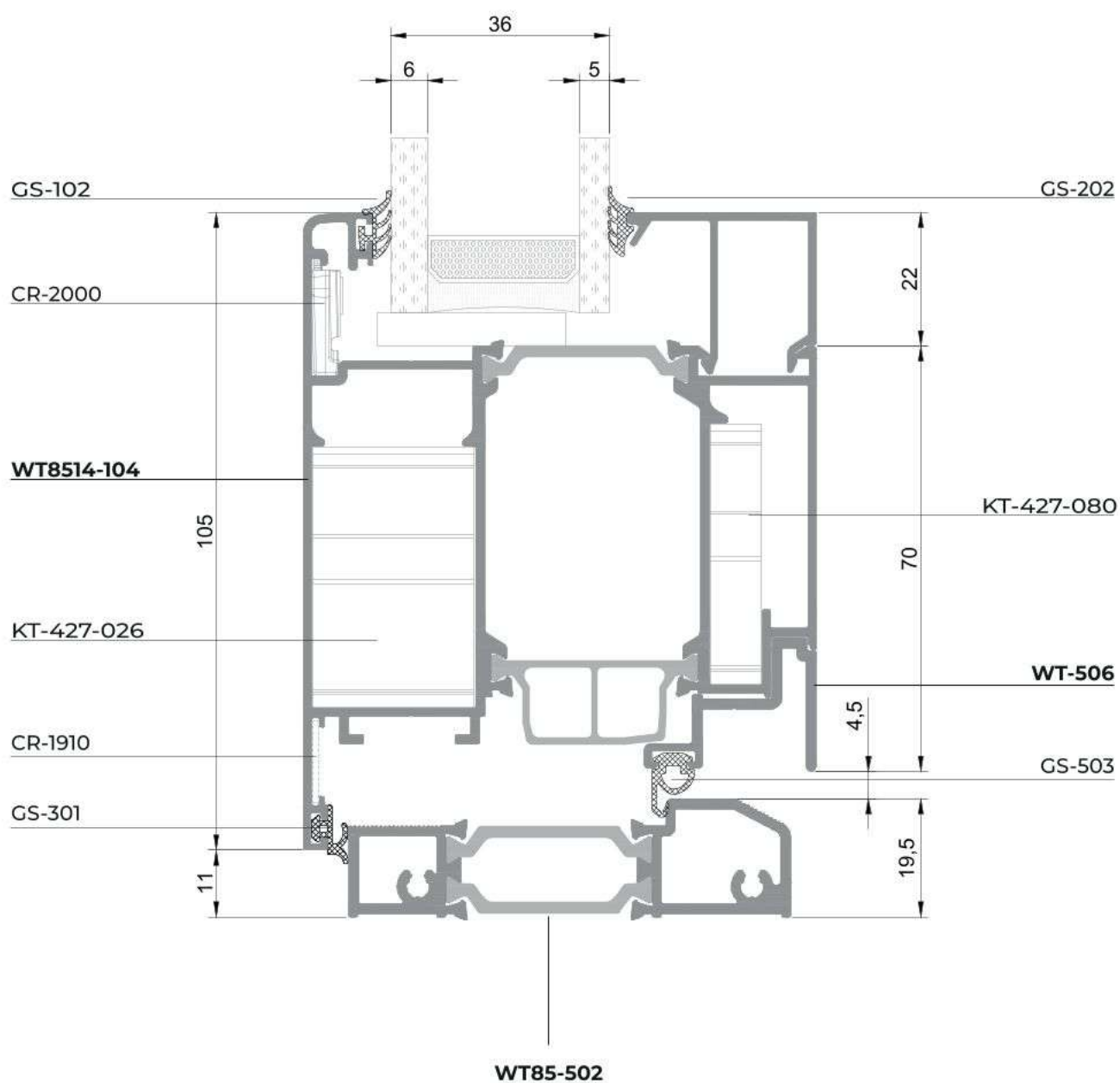


## SECTIONS



3

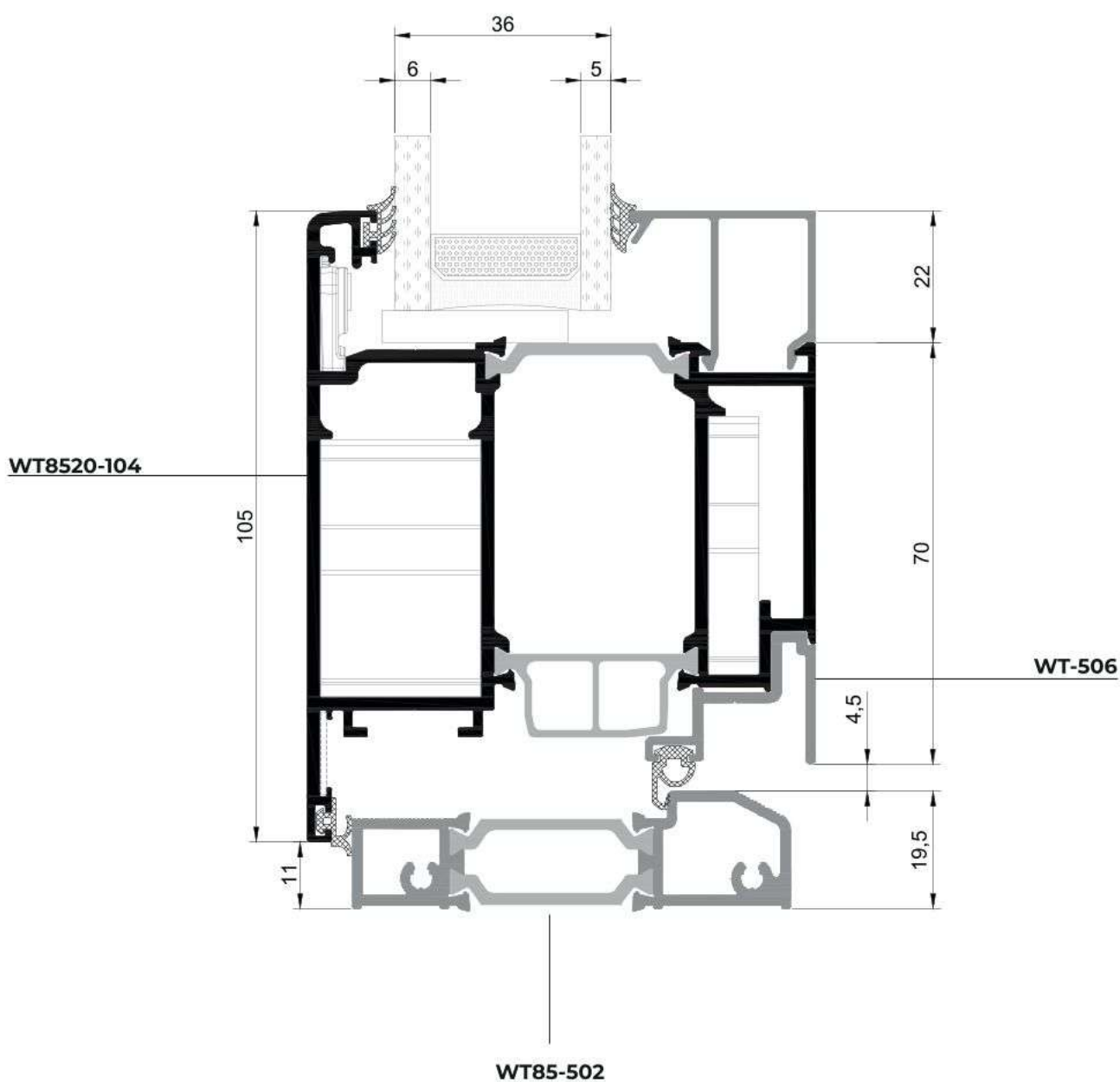
Single sash door  
with fixed on side  
(open out)





3.1

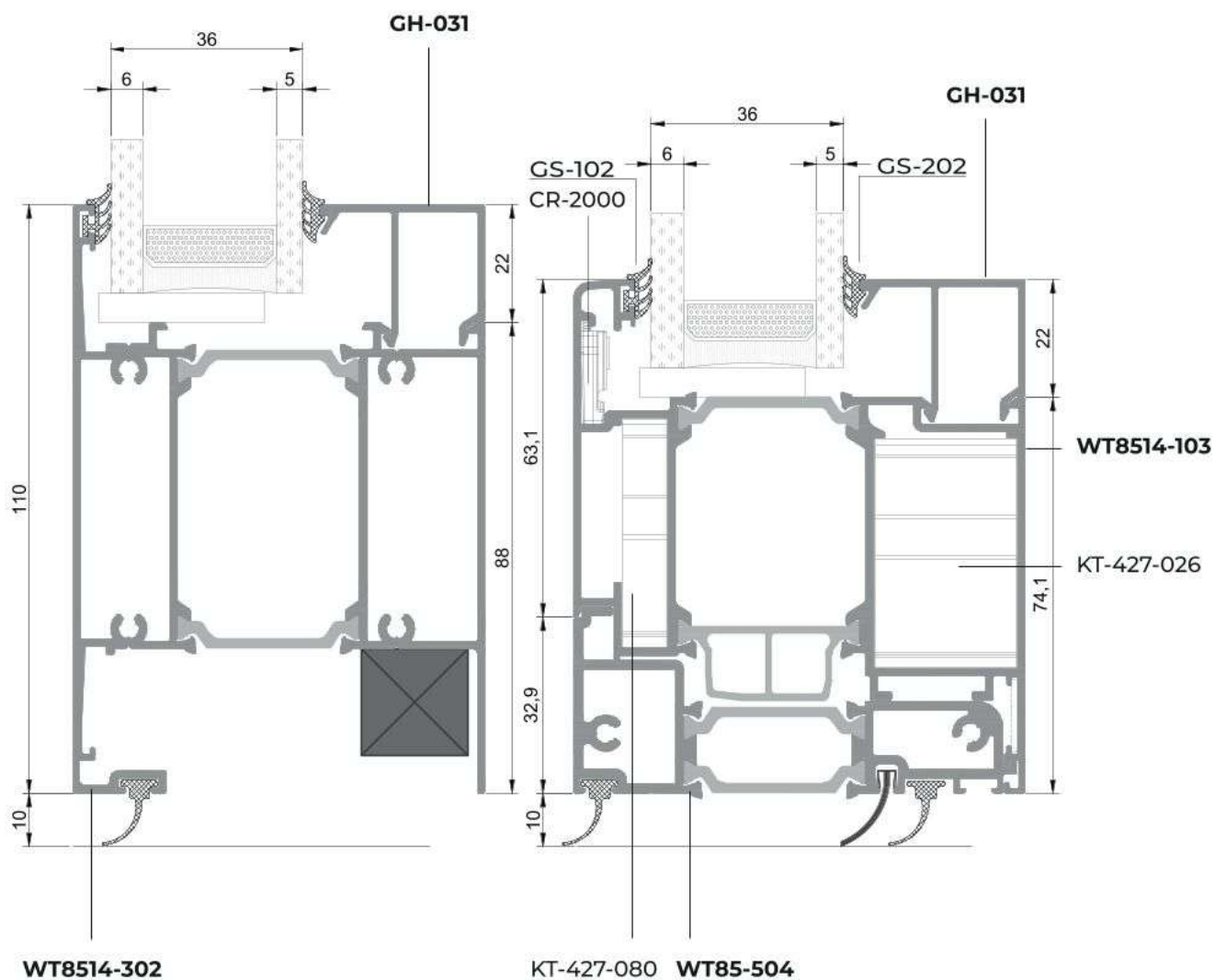
Single sash door  
with fixed on side  
(open in)



## SECTIONS



3  
Single sash door  
with fixed on side  
(open in)

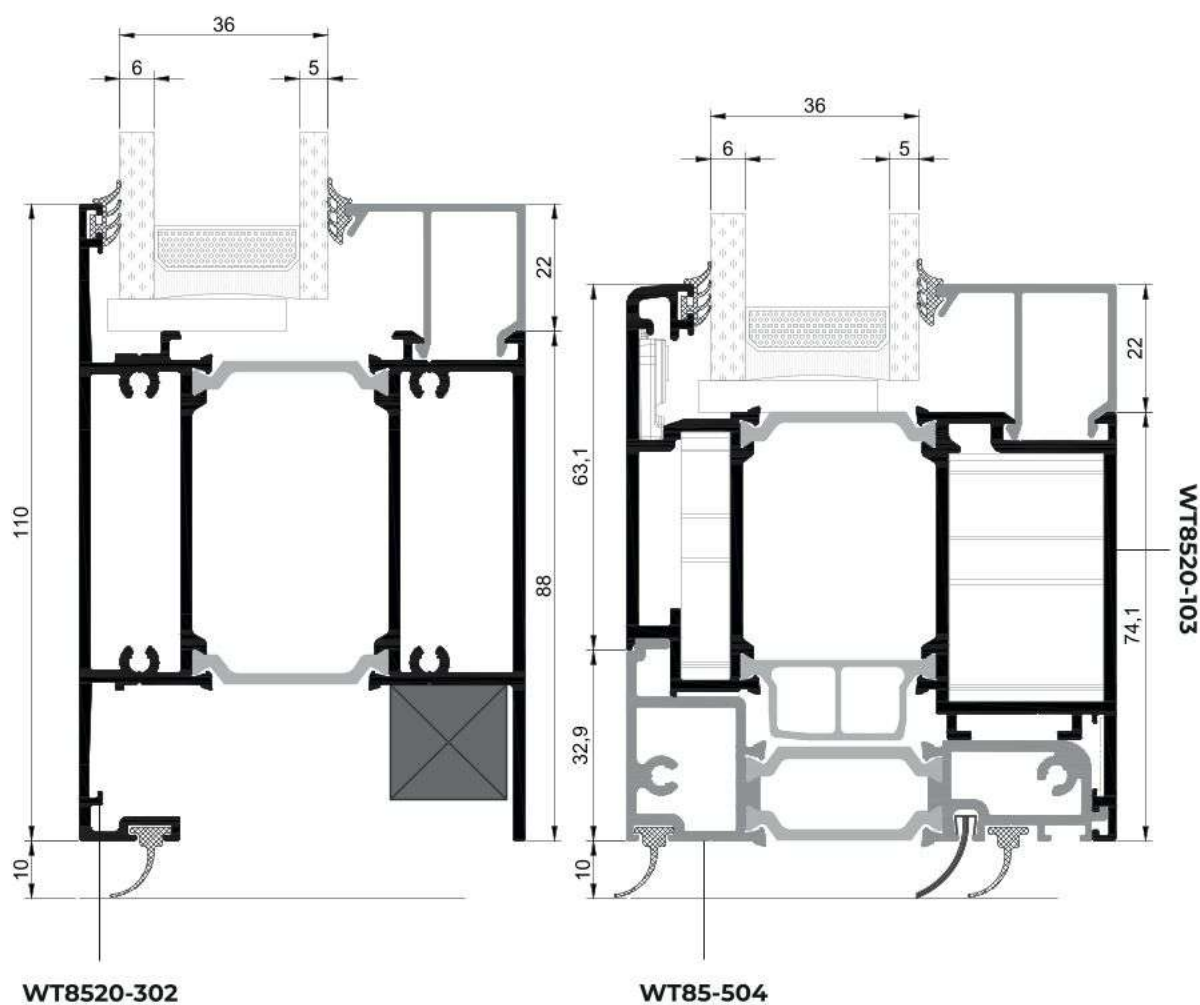


## SECTIONS



3.1

Single sash door  
with fixed on side  
(open in)

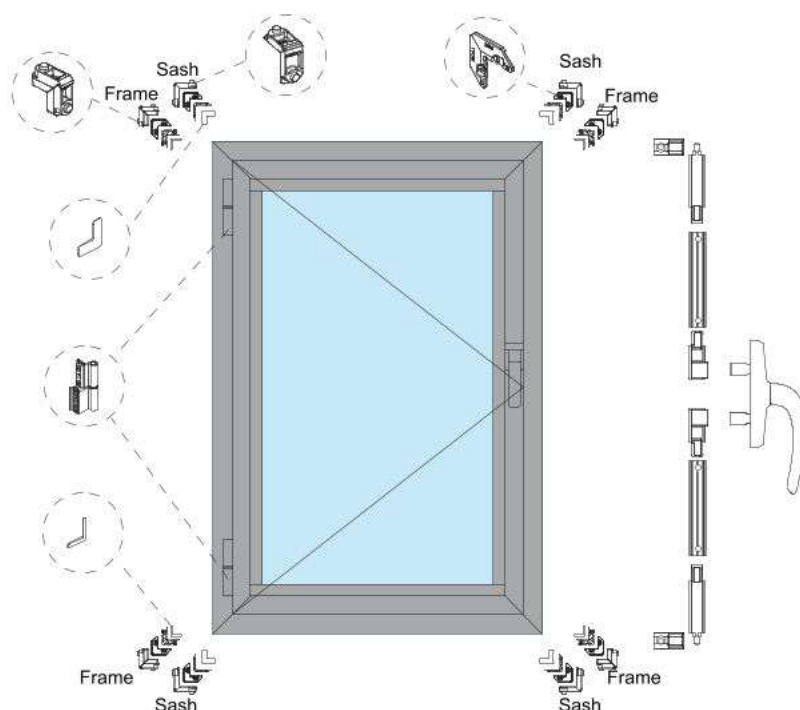




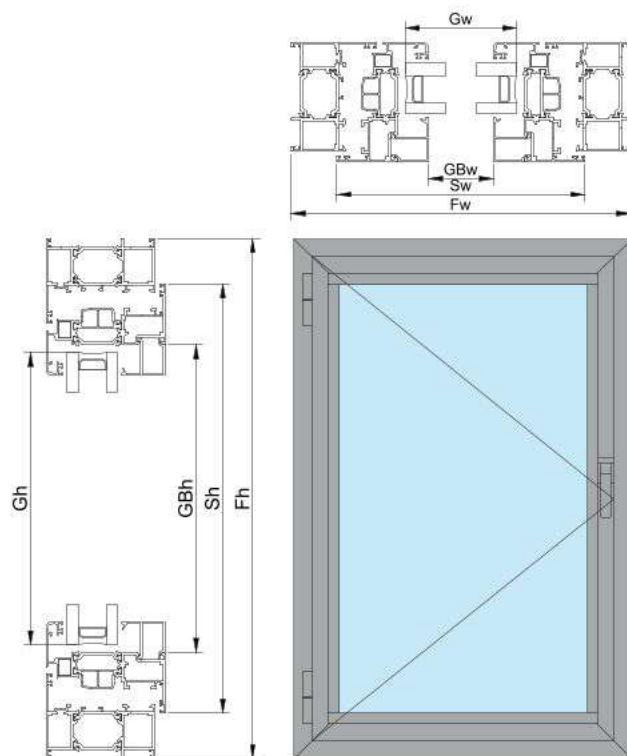
# CUTTING LISTS

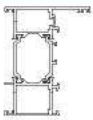
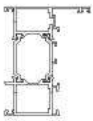
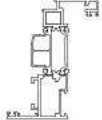
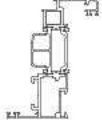
[WWW.FINEASTRA.COM](http://WWW.FINEASTRA.COM)

**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM



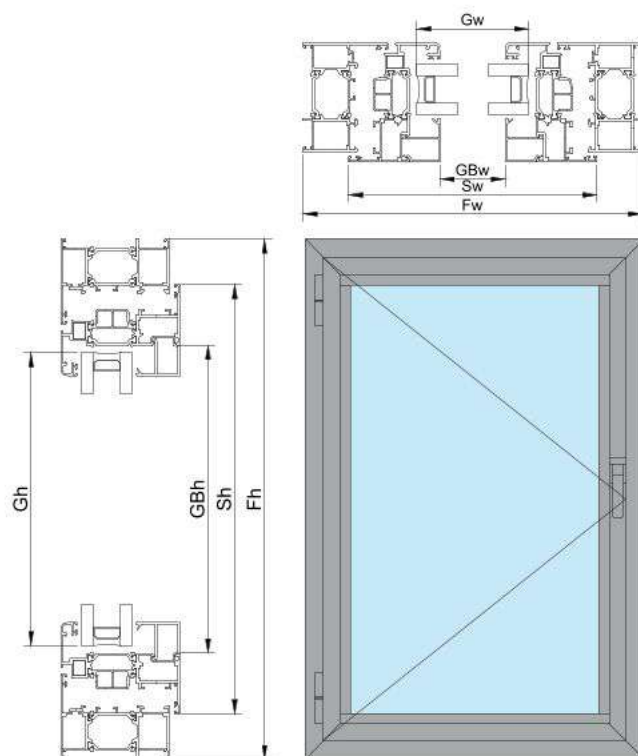
| Piece | Accessorie Code | Image                                                                               | Description                                                 |
|-------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 4 Pcs | CR-2319         |  | Corner Joint                                                |
| 4 Pcs | CR-1126         |  | Corner Joint                                                |
| 4 Pcs | KT-225-155      |  | Aluminum corner Joint                                       |
| 4 Pcs | KT-106-080      |  | Aluminum corner Joint                                       |
| 8 Pcs | CR-2000         |  | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 4 Pcs | CR-1910         |  | Alignment Stainless Steel<br>Corner Joint                   |
| 8 Pcs | CR-1900         |  | Alignment Stainless Steel<br>Corner Joint                   |
| 2 Pcs | HN-9730         |  | Hinge For Window                                            |
| 1 Pcs | WH-0790         |  | Handle For Window                                           |
| 1 Pcs | WH-1080         |  | Kit For Window Handle                                       |

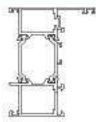
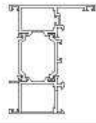
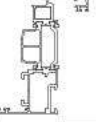
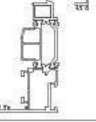


|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8514-002 |  | Horizontal Frame Profile |  | Fw                | 2     |
|            |  | Vertical Frame Profile   |  | Fh                | 2     |
| WT8514-101 |  | Horizontal Sash Profile  |  | Sw= Fw- 64,8 mm   | 2     |
| WT8514-101 |  | Vertical Sash Profile    |  | Sh= Fh- 64,8 mm   | 2     |

| GLAZING BEAD      |                                                                                     | Piece |
|-------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 130,4 mm |  | 2     |
| GBh= Sh - 86.4 mm |  | 2     |

| GLASS CUTTING   |                                                                                       | Piece |
|-----------------|---------------------------------------------------------------------------------------|-------|
| Gw= Sw - 100 mm |  | 1     |
| Gh= Sh - 100 mm |                                                                                       |       |

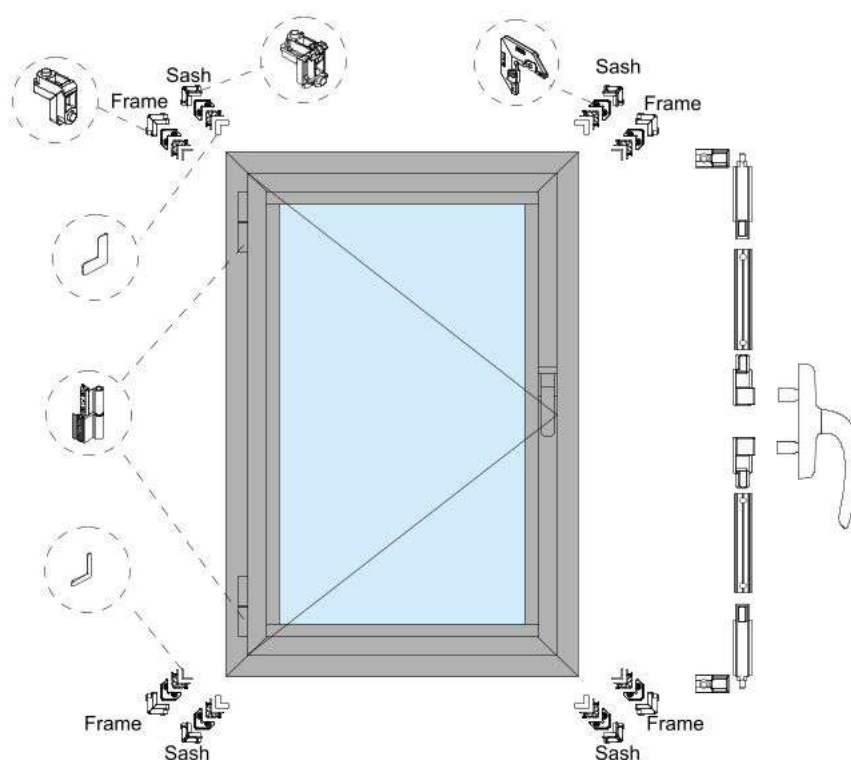


|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8520-002 |  | Horizontal Frame Profile |  | Fw                | 2     |
|            |  | Vertical Frame Profile   |  | Fh                | 2     |
| WT8520-101 |  | Horizontal Sash Profile  |  | Sw= Fw- 64,8 mm   | 2     |
| WT8520-101 |  | Vertical Sash Profile    |  | Sh= Fh- 64,8 mm   | 2     |

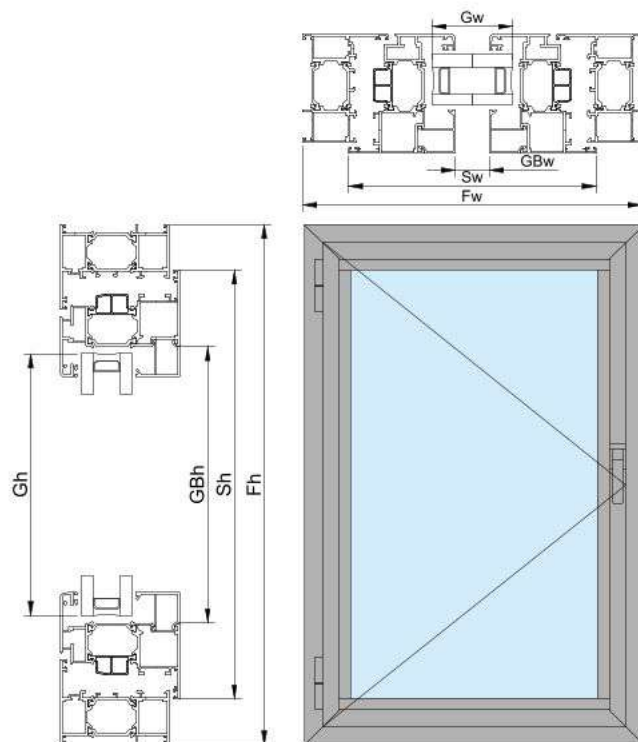
| GLAZING BEAD      |                                                                                     | Piece |
|-------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 130,4 mm |  | 2     |
| GBh= Sh - 86,4 mm |  | 2     |

| GLASS CUTTING   |                                                                                       | Piece |
|-----------------|---------------------------------------------------------------------------------------|-------|
| Gw= Sw - 100 mm |  | 1     |
| Gh= Sh - 100 mm |                                                                                       |       |

## CUTTING LISTS



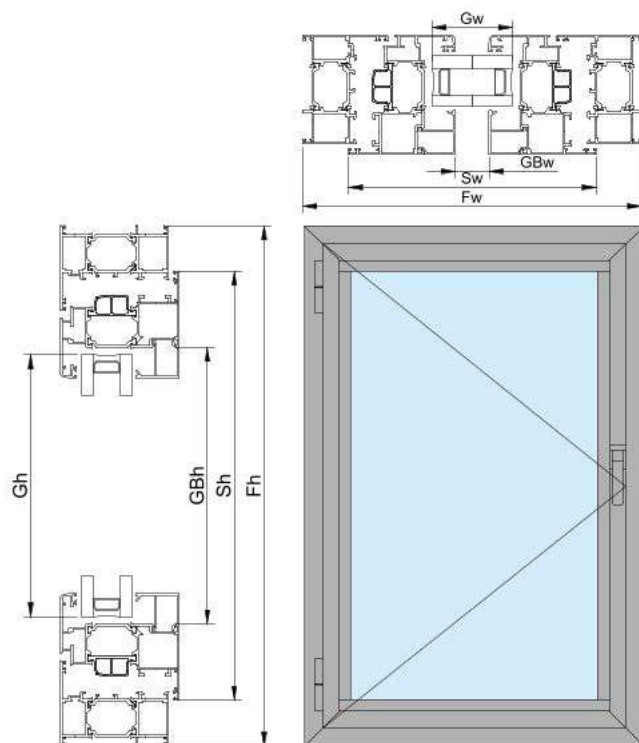
| Piece | Accessorie Code | Image | Description                                                 |
|-------|-----------------|-------|-------------------------------------------------------------|
| 4 Pcs | CR-2319         |       | Corner Joint                                                |
| 4 Pcs | CR-2326         |       | Corner Joint                                                |
| 4 Pcs | KT-225-155      |       | Aluminum corner Joint                                       |
| 4 Pcs | KT-225-080      |       | Aluminum corner Joint                                       |
| 8 Pcs | CR-2000         |       | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 4 Pcs | CR-1910         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 8 Pcs | CR-1900         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 2 Pcs | HN-9730         |       | Hinge For Window                                            |
| 1 Pcs | WH-0790         |       | Handle For Window                                           |
| 1 Pcs | WH-1080         |       | Kit For Window Handle                                       |

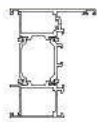
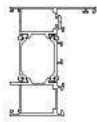
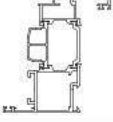
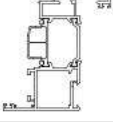


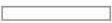
|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension | Piece |
|------------|-----------------|--------------------------|--------------|-------------------|-------|
| WT8514-002 |                 | Horizontal Frame Profile |              | Fw                | 2     |
|            |                 | Vertical Frame Profile   |              | Fh                | 2     |
|            |                 | Horizontal Sash Profile  |              | Sw= Fw- 64,8 mm   | 2     |
|            |                 | Vertical Sash Profile    |              | Sh= Fh- 64,8 mm   | 2     |

| GLAZING BEAD       |  | Piece |
|--------------------|--|-------|
| GBw= Sw- 152,4 mm  |  | 2     |
| GBh= Sh - 108.4 mm |  | 2     |

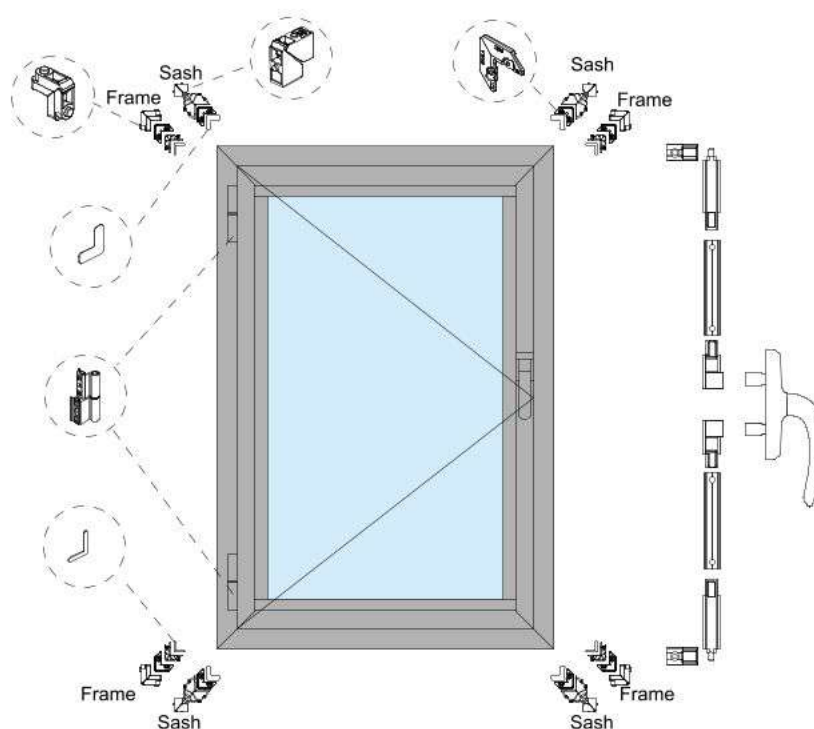
| GLASS CUTTING   |  | Piece |
|-----------------|--|-------|
| Gw= Sw - 122 mm |  | 1     |
| Gh= Sh - 122 mm |  |       |



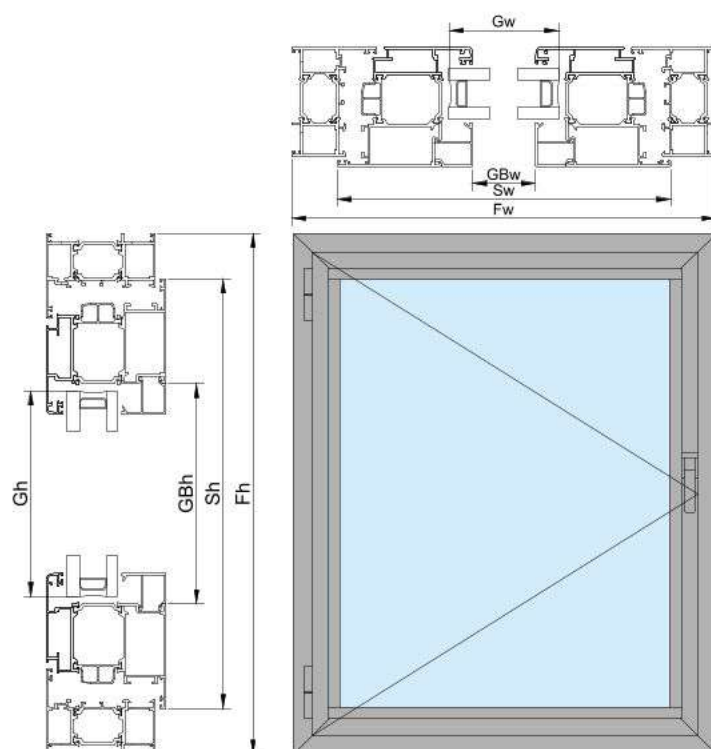
|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8520-002 |  | Horizontal Frame Profile |  | Fw                | 2     |
|            |  | Vertical Frame Profile   |  | Fh                | 2     |
| WT8520-102 |  | Horizontal Sash Profile  |  | Sw= Fw- 64,8 mm   | 2     |
| WT8520-102 |  | Vertical Sash Profile    |  | Sh= Fh- 64,8 mm   | 2     |

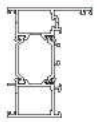
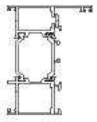
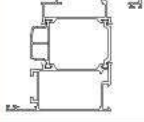
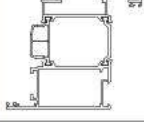
| GLAZING BEAD       |                                                                                     | Piece |
|--------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 152,4 mm  |  | 2     |
| GBh= Sh - 108,4 mm |  | 2     |

| GLASS CUTTING   |                                                                                       | Piece |
|-----------------|---------------------------------------------------------------------------------------|-------|
| Gw= Sw - 122 mm |  | 1     |
| Gh= Sh - 122 mm |  |       |



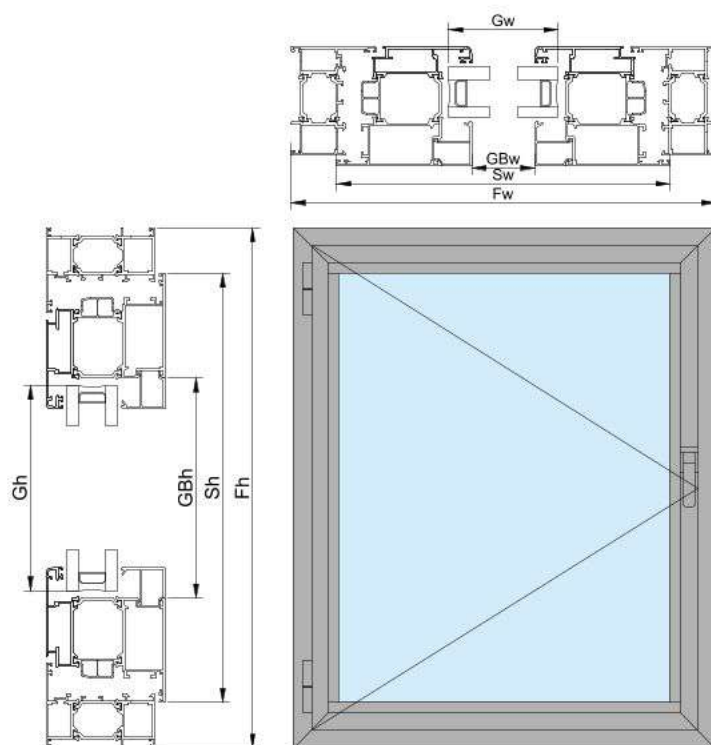
| Piece | Accessorie Code | Image | Description                                                 |
|-------|-----------------|-------|-------------------------------------------------------------|
| 4 Pcs | CR-2319         |       | Corner Joint                                                |
| 4 Pcs | CR-2650         |       | Corner Joint                                                |
| 4 Pcs | KT-225-155      |       | Aluminum corner Joint                                       |
| 4 Pcs | KT-427-080      |       | Aluminum corner Joint                                       |
| 8 Pcs | CR-2000         |       | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 4 Pcs | CR-1910         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 8 Pcs | CR-1900         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 2 Pcs | HN-9730         |       | Hinge For Window                                            |
| 1 Pcs | WH-0790         |       | Handle For Window                                           |
| 1 Pcs | WH-1080         |       | Kit For Window Handle                                       |

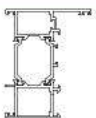
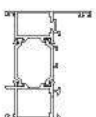
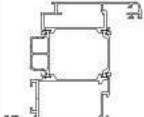
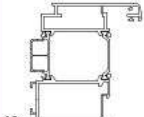


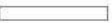
|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8514-002 |  | Horizontal Frame Profile |  | Fw                | 2     |
| WT8514-002 |  | Vertical Frame Profile   |  | Fh                | 2     |
| WT8514-103 |  | Horizontal Sash Profile  |  | Sw= Fw- 64,8 mm   | 2     |
| WT8514-103 |  | Vertical Sash Profile    |  | Sh= Fh- 64,8 mm   | 2     |

| GLAZING BEAD       |                                                                                     | Piece |
|--------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 192,6 mm  |  | 2     |
| GBh= Sh - 148,6 mm |  | 2     |

| GLASS CUTTING     |                                                                                       | Piece |
|-------------------|---------------------------------------------------------------------------------------|-------|
| Gw= Sw - 162,2 mm |  | 1     |
| Gh= Sh - 162,2 mm |                                                                                       |       |

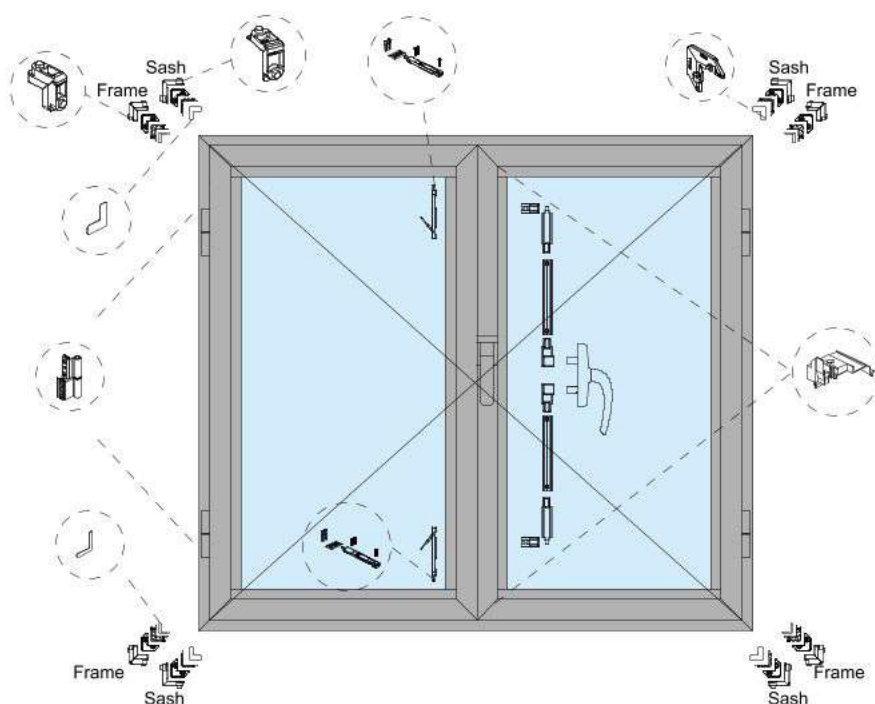


|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8520-002 |  | Horizontal Frame Profile |  | Fw                | 2     |
|            |  | Vertical Frame Profile   |  | Fh                | 2     |
| WT8520-103 |  | Horizontal Sash Profile  |  | Sw= Fw- 64,8 mm   | 2     |
| WT8520-103 |  | Vertical Sash Profile    |  | Sh= Fh- 64,8 mm   | 2     |

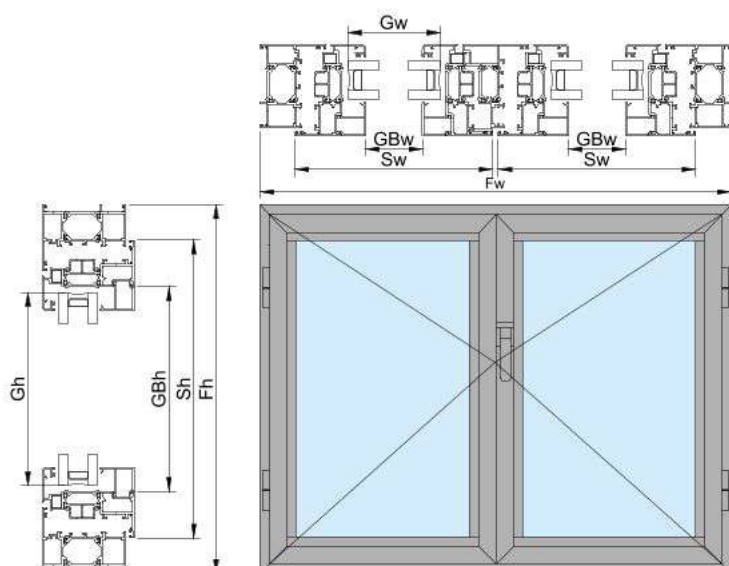
| GLAZING BEAD       |                                                                                     | Piece |
|--------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 192,6 mm  |  | 2     |
| GBh= Sh - 148,6 mm |  | 2     |

| GLASS CUTTING     |                                                                                       | Piece |
|-------------------|---------------------------------------------------------------------------------------|-------|
| Gw= Sw - 162,2 mm |  | 1     |
| Gh= Sh - 162,2 mm |                                                                                       |       |

## CUTTING LISTS



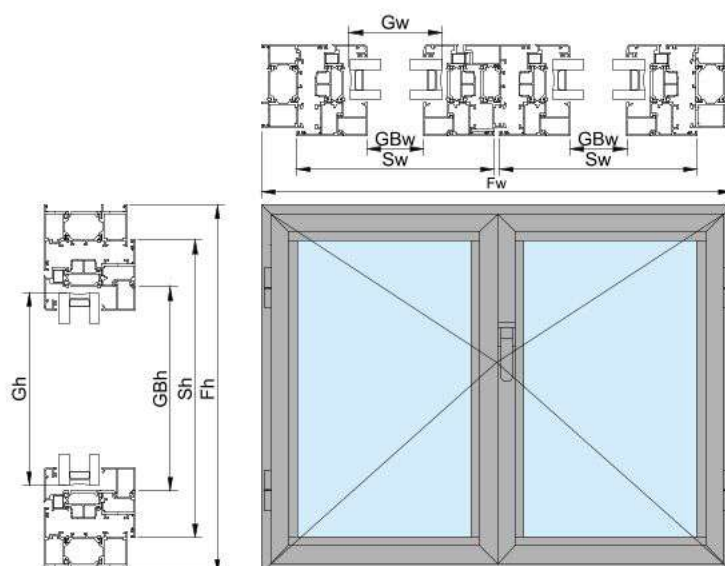
| Piece  | Accessorie Code | Image | Description                                           |
|--------|-----------------|-------|-------------------------------------------------------|
| 4 Pcs  | CR-2319         |       | Corner Joint                                          |
| 8 Pcs  | CR-1126         |       | Corner Joint                                          |
| 4 Pcs  | KT-225-155      |       | Aluminum corner Joint                                 |
| 8 Pcs  | KT-106-080      |       | Aluminum corner Joint                                 |
| 12 Pcs | CR-2000         |       | Die-cast Aluminium Corner Joint With Locking Function |
| 8 Pcs  | CR-1910         |       | Alignment Stainless Steel Corner Joint                |
| 8 Pcs  | CR-1900         |       | Alignment Stainless Steel Corner Joint                |
| 4 Pcs  | HN-9730         |       | Hinge For Window                                      |
| 1 Pcs  | WH-0790         |       | Handle For Window                                     |
| 1 Pcs  | WH-1080         |       | Kit For Window Handle                                 |
| 1 set  | WT85-401_CAP    |       | Adapter cover                                         |
| 2 Pcs  | BL-3217         |       | Dead bolt latch                                       |

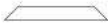
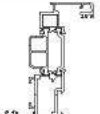
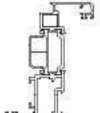


|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension            | Piece |
|------------|-----------------|--------------------------|--------------|------------------------------|-------|
| WT8514-002 |                 | Horizontal Frame Profile |              | Fw                           | 2     |
| WT8514-002 |                 | Vertical Frame Profile   |              | Fh                           | 2     |
| WT8514-101 |                 | Horizontal Sash Profile  |              | $Sw = \frac{Fw - 69,8mm}{2}$ | 4     |
| WT8514-101 |                 | Vertical Sash Profile    |              | Sh = Fh - 64,8 mm            | 4     |
| WT8514-401 |                 | Adapter Profile          |              | lh = Sh - 70 mm              | 1     |

| GLAZING BEAD        |  | Piece |
|---------------------|--|-------|
| GBw = Sw - 130,4 mm |  | 4     |
| GBh = Sh - 86,4 mm  |  | 4     |

| GLASS CUTTING    |  | Piece |
|------------------|--|-------|
| Gw = Sw - 100 mm |  | 4     |
| Gh = Sh - 100 mm |  |       |

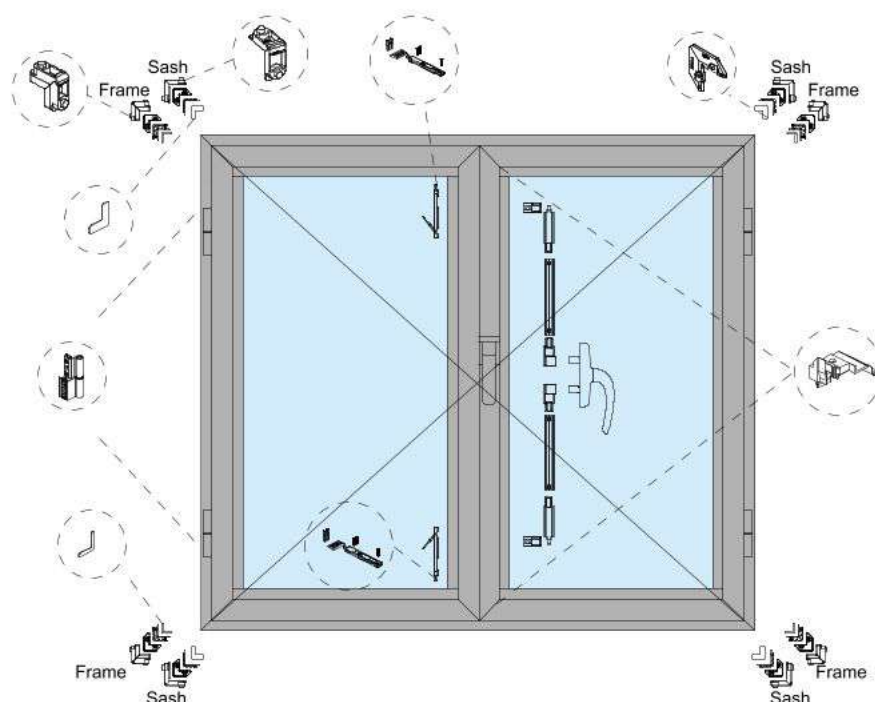


|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension                     | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|---------------------------------------|-------|
| WT8520-002 |  | Horizontal Frame Profile |  | Fw                                    | 2     |
| WT8520-002 |  | Vertical Frame Profile   |  | Fh                                    | 2     |
| WT8520-101 |  | Horizontal Sash Profile  |  | $Sw = \frac{Fw - 69,8 \text{ mm}}{2}$ | 4     |
| WT8520-101 |  | Vertical Sash Profile    |  | $Sh = Fh - 64,8 \text{ mm}$           | 4     |
| WT8514-401 |  | Adapter Profile          |  | lh = Sh - 70 mm                       | 1     |

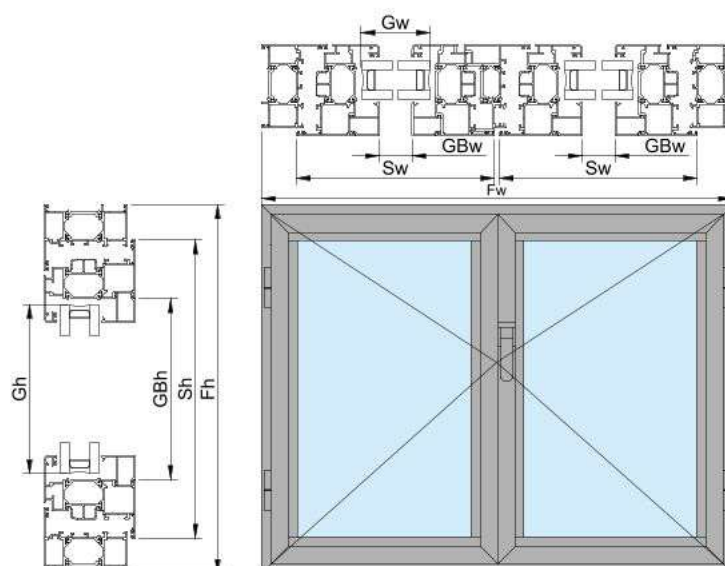
| GLAZING BEAD        |                                                                                     | Piece |
|---------------------|-------------------------------------------------------------------------------------|-------|
| GBw = Sw - 130,4 mm |  | 4     |
| GBh = Sh - 86,4 mm  |  | 4     |

| GLASS CUTTING    |                                                                                       | Piece |
|------------------|---------------------------------------------------------------------------------------|-------|
| Gw = Sw - 100 mm |  | 4     |
| Gh = Sh - 100 mm |                                                                                       |       |

## CUTTING LISTS



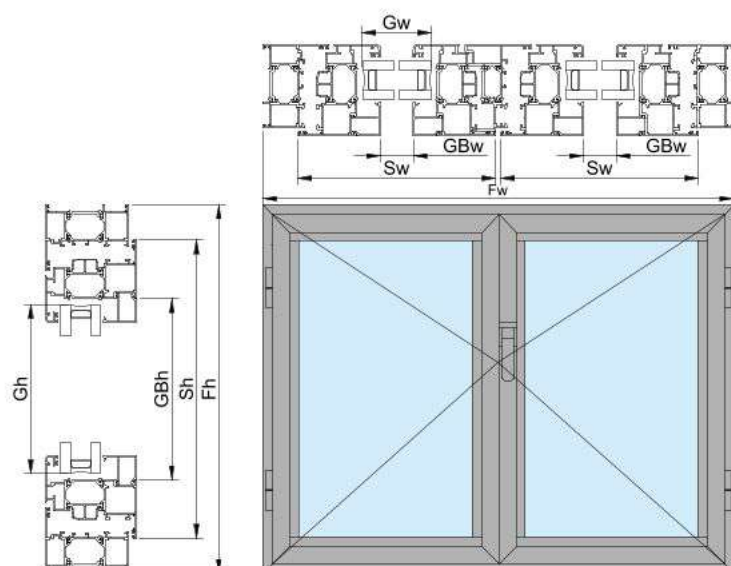
| Piece  | Accessorie Code | Image | Description                                                 |
|--------|-----------------|-------|-------------------------------------------------------------|
| 4 Pcs  | CR-2319         |       | Corner Joint                                                |
| 8 Pcs  | CR-2326         |       | Corner Joint                                                |
| 4 Pcs  | KT-225-155      |       | Aluminum corner Joint                                       |
| 8 Pcs  | KT-225-080      |       | Aluminum corner Joint                                       |
| 12 Pcs | CR-2000         |       | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 8 Pcs  | CR-1910         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 8 Pcs  | CR-1900         |       | Alignment Stainless Steel<br>Corner Joint                   |
| 4 Pcs  | HN-9730         |       | Hinge For Window                                            |
| 1 Pcs  | WH-0790         |       | Handle For Window                                           |
| 1 Pcs  | WH-1080         |       | Kit For Window Handle                                       |
| 1 set  | WT85-401_CAP    |       | Adapter cover                                               |
| 2 Pcs  | BL-3217         |       | Dead bolt latch                                             |



|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension            | Piece |
|------------|-----------------|--------------------------|--------------|------------------------------|-------|
| WT8514-002 |                 | Horizontal Frame Profile |              | Fw                           | 2     |
|            |                 | Vertical Frame Profile   |              | Fh                           | 2     |
| WT8514-102 |                 | Horizontal Sash Profile  |              | $Sw = \frac{Fw - 69,8mm}{2}$ | 4     |
| WT8514-102 |                 | Vertical Sash Profile    |              | $Sh = Fh - 64,8 mm$          | 4     |
| WT8514-401 |                 | Adapter Profile          |              | $lh = Sh - 70 mm$            | 1     |

| GLAZING BEAD       |  | Piece |
|--------------------|--|-------|
| GBw= Sw- 152,4 mm  |  | 4     |
| GBh= Sh - 108.4 mm |  | 4     |

| GLASS CUTTING   |  | Piece |
|-----------------|--|-------|
| Gw= Sw - 122 mm |  | 4     |
| Gh= Sh - 122 mm |  |       |

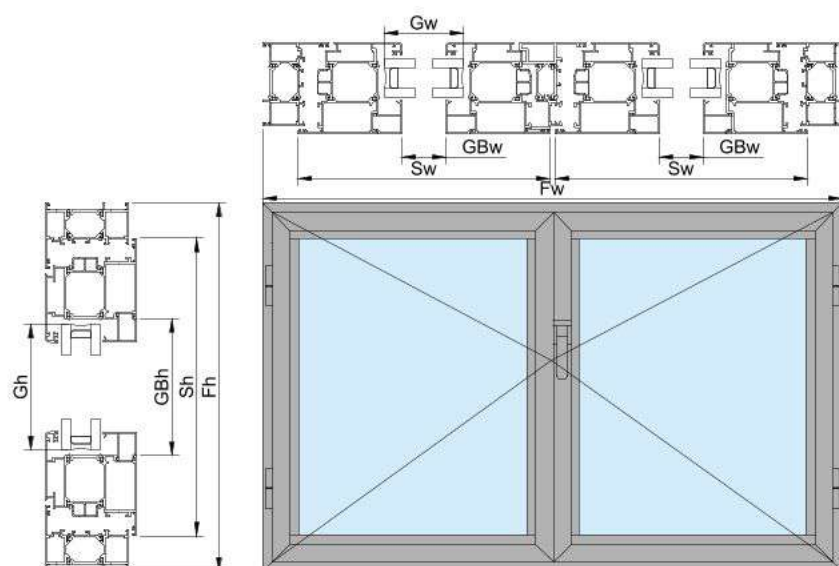


|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension            | Piece |
|------------|-----------------|--------------------------|--------------|------------------------------|-------|
| WT8520-002 |                 | Horizontal Frame Profile |              | Fw                           | 2     |
| WT8520-002 |                 | Vertical Frame Profile   |              | Fh                           | 2     |
| WT8520-102 |                 | Horizontal Sash Profile  |              | $Sw = \frac{Fw - 69,8mm}{2}$ | 4     |
| WT8520-102 |                 | Vertical Sash Profile    |              | Sh = Fh - 64,8 mm            | 4     |
| WT8514-401 |                 | Adapter Profile          |              | lh = Sh - 70 mm              | 1     |

| GLAZING BEAD        |  | Piece |
|---------------------|--|-------|
| GBw = Sw - 152,4 mm |  | 4     |
| GBh = Sh - 108,4 mm |  | 4     |

| GLASS CUTTING    |  | Piece |
|------------------|--|-------|
| Gw = Sw - 122 mm |  | 4     |
| Gh = Sh - 122 mm |  |       |

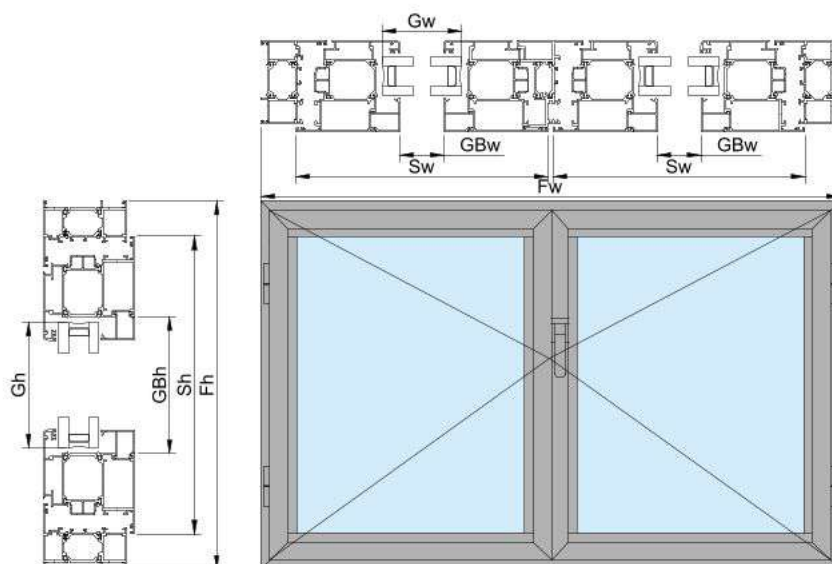
| Piece  | Accessorie Code | Image                                                                               | Description                                                 |
|--------|-----------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------|
| 4 Pcs  | CR-2319         |  | Corner Joint                                                |
| 8 Pcs  | CR-2350         |  | Corner Joint                                                |
| 4 Pcs  | KT-225-155      |  | Aluminum corner Joint                                       |
| 8 Pcs  | KT-427-080      |  | Aluminum corner Joint                                       |
| 12 Pcs | CR-2000         |  | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 8 Pcs  | CR-1910         |  | Alignment Stainless Steel<br>Corner Joint                   |
| 8 Pcs  | CR-1900         |  | Alignment Stainless Steel<br>Corner Joint                   |
| 4 Pcs  | HN-9730         |  | Hinge For Window                                            |
| 1 Pcs  | WH-0790         |  | Handle For Window                                           |
| 1 Pcs  | WH-1080         |  | Kit For Window Handle                                       |
| 1 set  | WT85-401_CAP    |  | Adapter cover                                               |
| 2 Pcs  | BL-3217         |  | Dead bolt latch                                             |



|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension            | Piece |
|------------|-----------------|--------------------------|--------------|------------------------------|-------|
| WT8514-002 |                 | Horizontal Frame Profile |              | Fw                           | 2     |
|            |                 | Vertical Frame Profile   |              | Fh                           | 2     |
| WT8514-103 |                 | Horizontal Sash Profile  |              | $Sw = \frac{Fw - 69,8mm}{2}$ | 4     |
| WT8514-103 |                 | Vertical Sash Profile    |              | Sh = Fh - 64,8 mm            | 4     |
| WT8514-401 |                 | Adapter Profile          |              | lh = Sh - 70 mm              | 1     |

| GLAZING BEAD       |  | Piece |
|--------------------|--|-------|
| GBw= Sw - 192,6 mm |  | 4     |
| GBh= Sh - 148,6 mm |  | 4     |

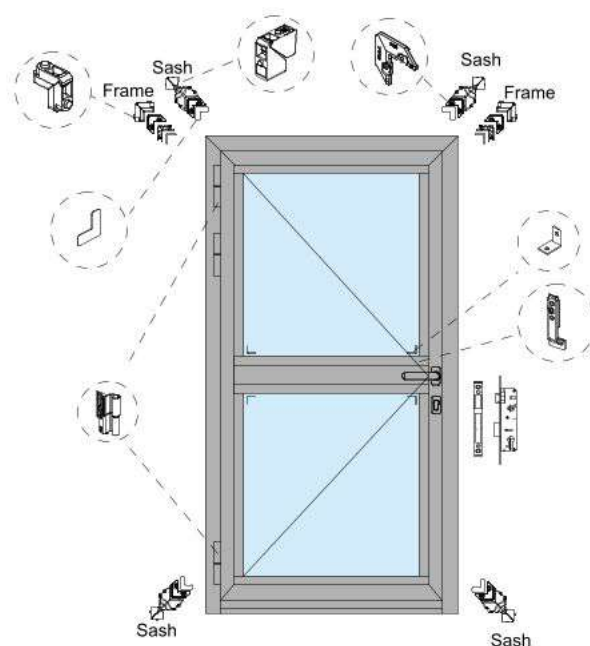
| GLASS CUTTING     |  | Piece |
|-------------------|--|-------|
| Gw= Sw - 162,2 mm |  | 4     |
| Gh= Sh - 162,2 mm |  |       |



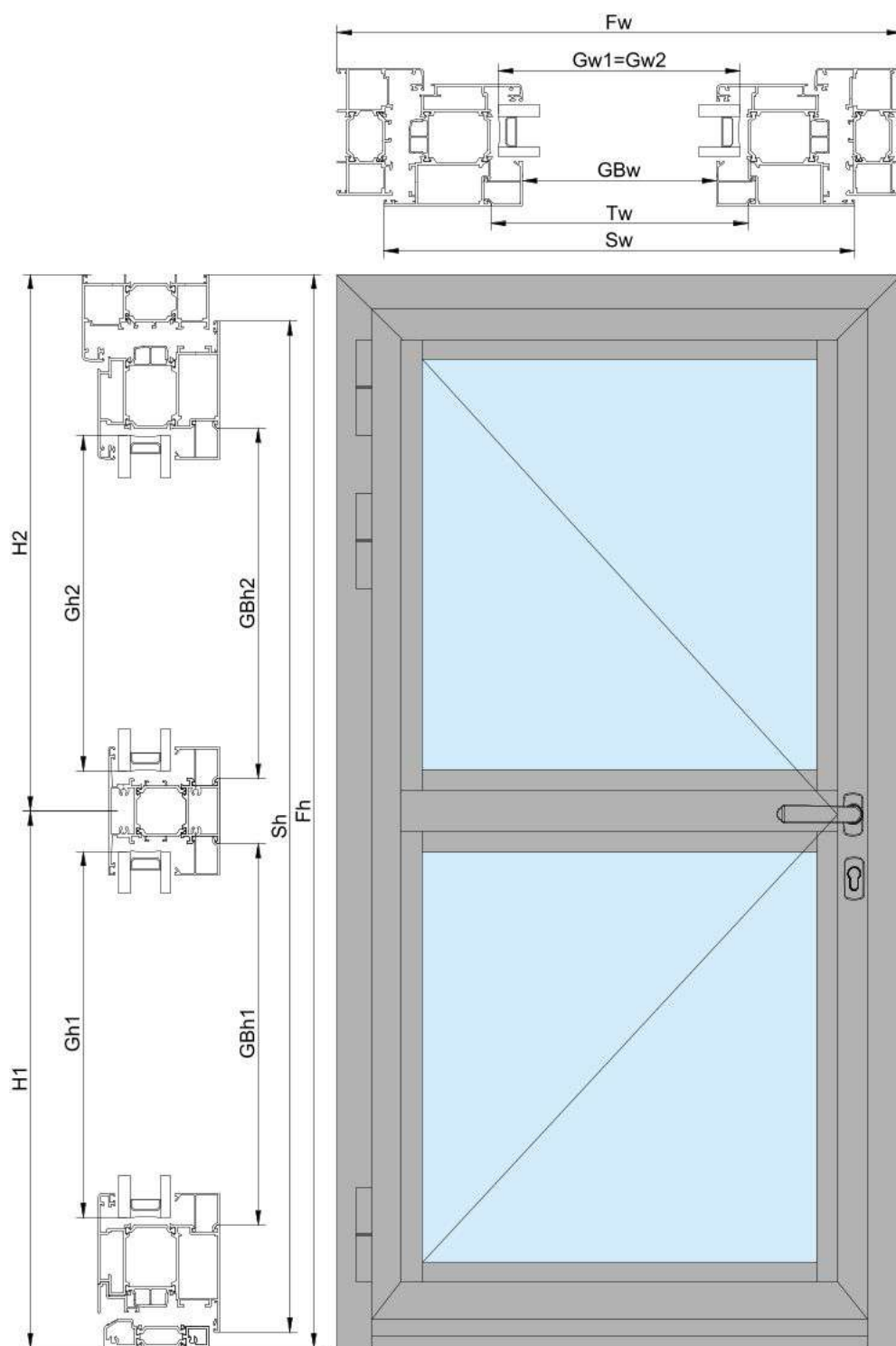
|            | Profile Drawing | Profile Description      | Cutting Type | Cutting Dimension            | Piece |
|------------|-----------------|--------------------------|--------------|------------------------------|-------|
| WT8520-002 |                 | Horizontal Frame Profile |              | Fw                           | 2     |
| WT8520-002 |                 | Vertical Frame Profile   |              | Fh                           | 2     |
| WT8520-103 |                 | Horizontal Sash Profile  |              | $Sw = \frac{Fw - 69,8mm}{2}$ | 4     |
| WT8520-103 |                 | Vertical Sash Profile    |              | Sh = Fh - 64,8 mm            | 4     |
| WT8514-401 |                 | Adapter Profile          |              | lh = Sh - 70 mm              | 1     |

| GLAZING BEAD        |  | Piece |
|---------------------|--|-------|
| GBw = Sw - 192,6 mm |  | 4     |
| GBh = Sh - 148,6 mm |  | 4     |

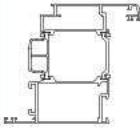
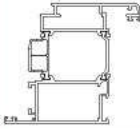
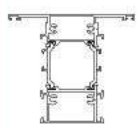
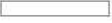
| GLASS CUTTING      |  | Piece |
|--------------------|--|-------|
| Gw = Sw - 162,2 mm |  | 4     |
| Gh = Sh - 162,2 mm |  |       |



| Piece | Accessorie Code          | Image | Description                                                 |
|-------|--------------------------|-------|-------------------------------------------------------------|
| 2 Pcs | CR-2319                  |       | Corner Joint                                                |
| 4 Pcs | CR-2350                  |       | Corner Joint                                                |
| 2 Pcs | KT-225-026               |       | Aluminum corner Joint                                       |
| 4 Pcs | KT-427-080               |       | Aluminum corner Joint                                       |
| 6 Pcs | CR-2000                  |       | Die-cast Aluminium<br>Corner Joint<br>With Locking Function |
| 4 Pcs | CR-1910                  |       | Alignment Stainless Steel<br>Corner Joint                   |
| 4 Pcs | CR-1900                  |       | Alignment Stainless Steel<br>Corner Joint                   |
| 4 Pcs | CR-1001                  |       | Conector<br>Corner Joint                                    |
| 4 Pcs | HN-3001                  |       | Hinge For Door                                              |
| 4 Pcs | Monticelli<br>Athos 1701 |       | "T" profile<br>connector                                    |
| 1 Pcs | DH 2061                  |       | Handle                                                      |
| 1 Pcs | 153 U 35                 |       | Mortise Lock With Cylinder                                  |
| 1 Pcs | XX-9018D                 |       | Lock Holder                                                 |
| 1 Pcs | DH-8020                  |       | Cylinder 80mm                                               |

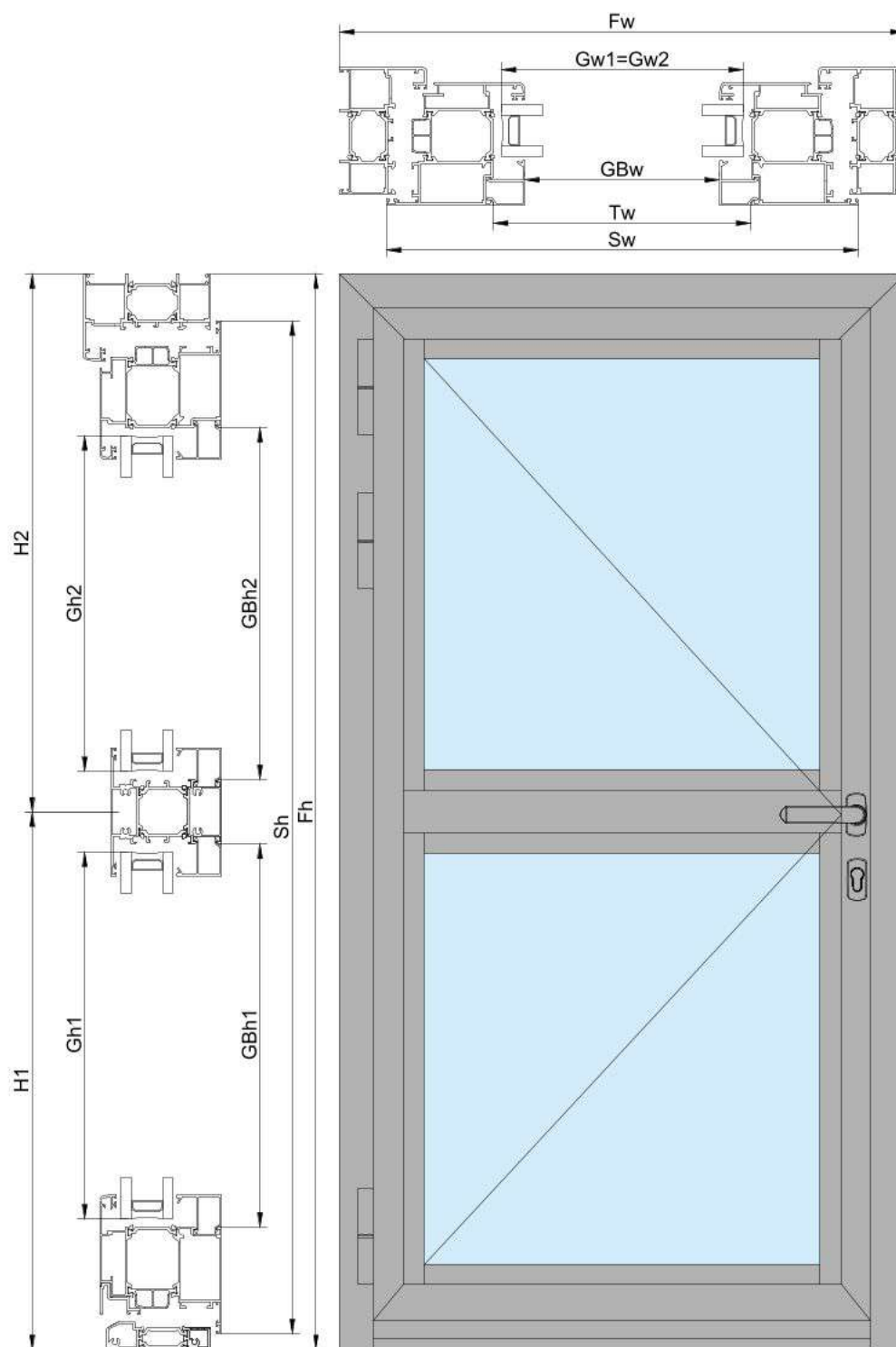


## CUTTING LISTS

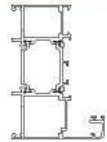
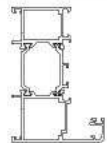
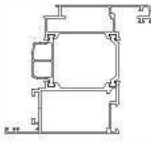
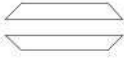
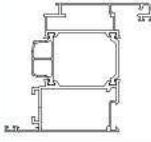
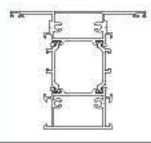
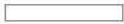
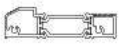
|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8514-006 |    | Horizontal Frame Profile |    | Fw                | 1     |
| WT8514-006 |    | Vertical Frame Profile   |    | Fh                | 2     |
| WT8514-103 |    | Horizontal Sash Profile  |    | Sw= Fw- 64,8 mm   | 2     |
| WT8514-103 |   | Vertical Sash Profile    |   | Sh= Fh- 43,4 mm   | 2     |
| WT8514-203 |  | Mullion Profile          |  | Mw= Sw- 148,6 mm  | 1     |
| WT8514-503 |  | Add on Profile           |  | Aw= Sw-4 mm       | 1     |
| WT8514-502 |  | Bottom Profile           |  | Ew= Fw-102,8 mm   | 1     |

| GLAZING BEAD      | Piece |
|-------------------|-------|
| GBw= Sw- 192,6 mm | 4     |
| GBh1= H1 - 107mm  | 2     |
| GBh2= H2 - 129,4  | 2     |

| GLASS CUTTING      | Piece |
|--------------------|-------|
| Gw1= Sw - 162,2 mm | 1     |
| Gh1= H1-121,6mm    |       |
| Gw2= Gw1           | 1     |
| Gh2= H2-142mm      |       |

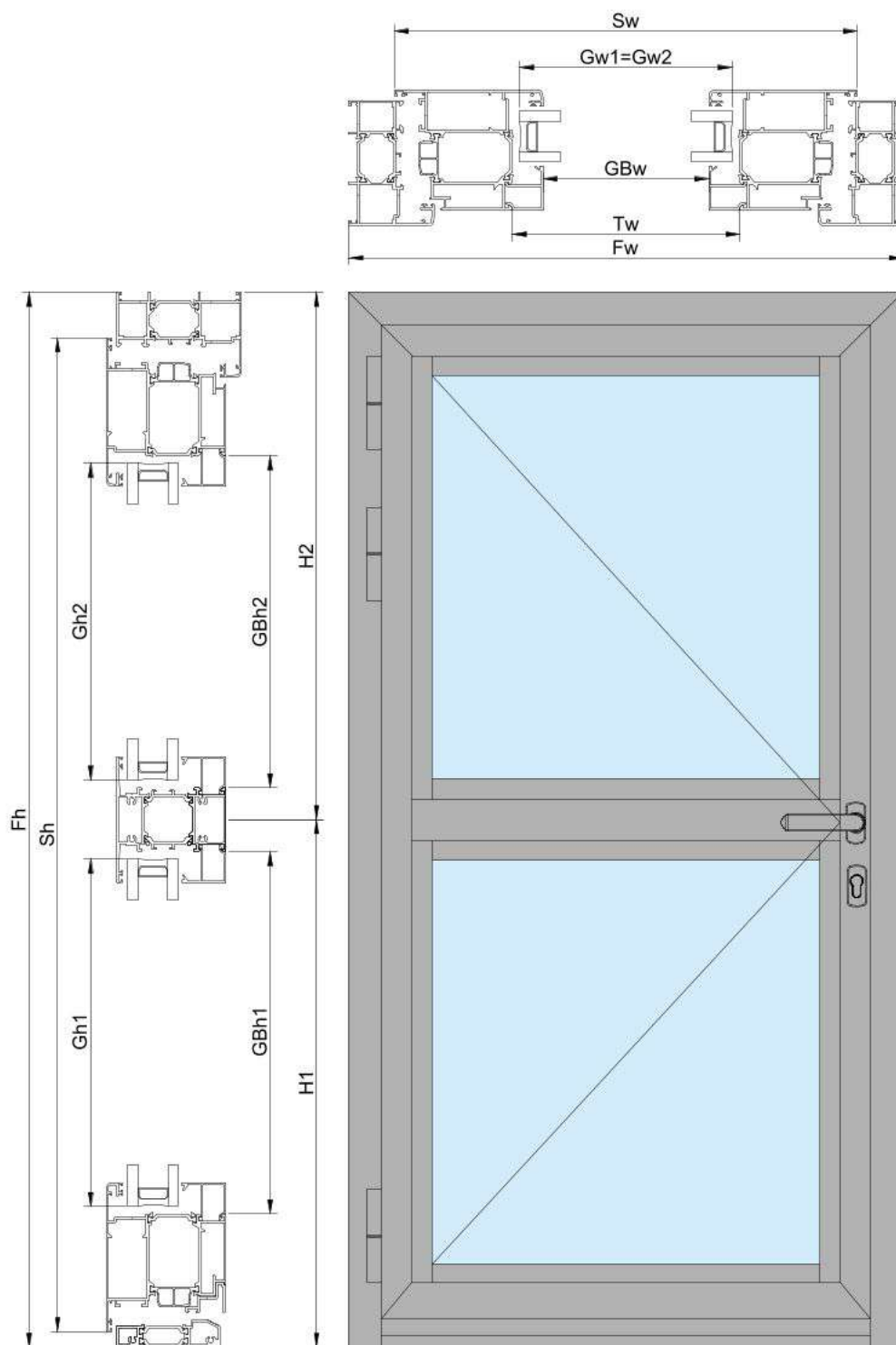


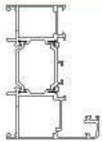
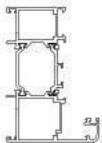
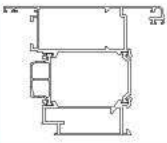
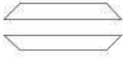
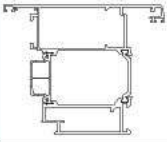
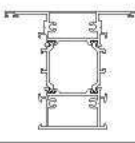
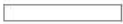
## CUTTING LISTS

|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8520-006 |    | Horizontal Frame Profile |    | Fw                | 1     |
| WT8520-006 |    | Vertical Frame Profile   |    | Fh                | 2     |
| WT8520-103 |    | Horizontal Sash Profile  |    | Sw= Fw- 64,8 mm   | 2     |
| WT8520-103 |   | Vertical Sash Profile    |    | Sh= Fh- 43,4 mm   | 2     |
| WT8520-203 |  | Mullion Profile          |  | Mw= Sw- 148.6 mm  | 1     |
| WT8514-503 |  | Add on Profile           |  | Aw= Sw-4 mm       | 1     |
| WT8514-502 |  | Bottom Profile           |  | Ew= Fw-102.8 mm   | 1     |

| GLAZING BEAD      |                                                                                     | Piece |
|-------------------|-------------------------------------------------------------------------------------|-------|
| GBw= Sw- 192,6 mm |  | 4     |
| GBh1= H1 - 107mm  |  | 2     |
| GBh2= H2 - 129,4  |  | 2     |

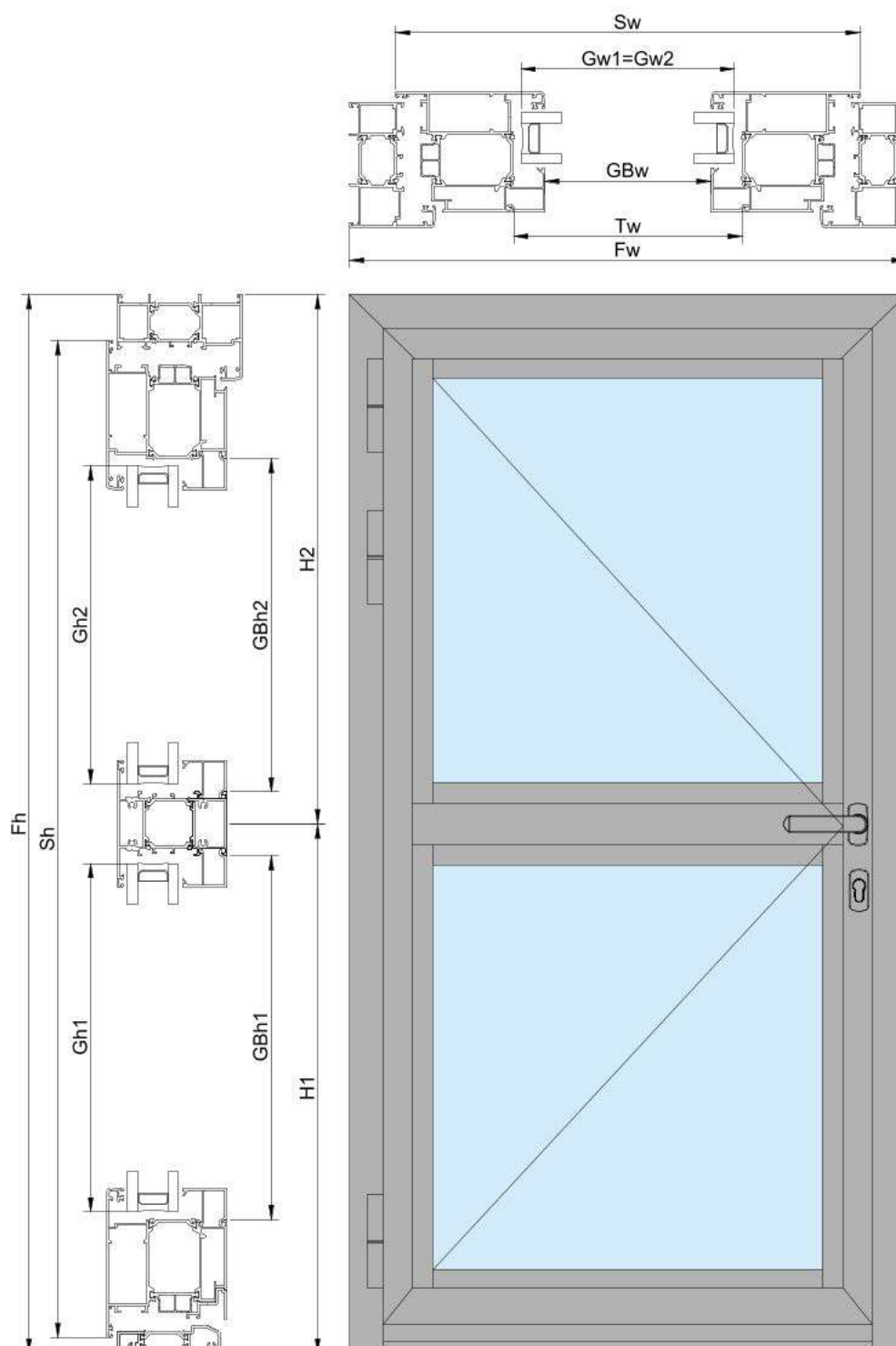
| GLASS CUTTING      |                                                                                       | Piece |
|--------------------|---------------------------------------------------------------------------------------|-------|
| Gw1= Sw - 162,2 mm |  | 1     |
| Gh1= H1-121,6mm    |                                                                                       |       |
| Gw2= Gw1           |  | 1     |
| Gh2= H2-142mm      |                                                                                       |       |

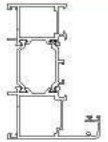
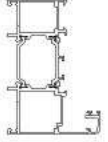
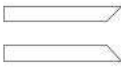
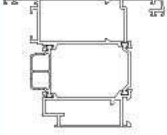
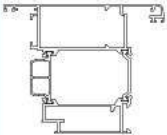
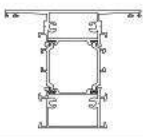


|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8514-006 |    | Horizontal Frame Profile |    | Fw                | 1     |
| WT8514-006 |    | Vertical Frame Profile   |    | Fh                | 2     |
| WT8514-104 |    | Horizontal Sash Profile  |    | Sw= Fw- 64,8 mm   | 2     |
| WT8514-104 |   | Vertical Sash Profile    |    | Sh= Fh- 43,4 mm   | 2     |
| WT8514-203 |  | Mullion Profile          |  | Mw= Sw- 166,4 mm  | 1     |
| WT8514-503 |  | Add on Profile           |  | Aw= Sw-4 mm       | 1     |
| WT8514-502 |  | Bottom Profile           |  | Ew= Fw-102,8 mm   | 1     |

| GLAZING BEAD       | Piece |
|--------------------|-------|
| GBw= Sw- 210,4 mm  | 4     |
| GBh1= H1 - 116,9mm | 2     |
| GBh2= H2 - 138,3   | 2     |

| GLASS CUTTING    | Piece                                                                                      |
|------------------|--------------------------------------------------------------------------------------------|
| Gw1= Sw - 180 mm | <br>1 |
| Gh1= H1-130,5mm  |                                                                                            |
| Gw2= Gw1         | <br>1 |
| Gh2= H2-151,9mm  |                                                                                            |



|            | Profile Drawing                                                                     | Profile Description      | Cutting Type                                                                        | Cutting Dimension | Piece |
|------------|-------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------|-------------------|-------|
| WT8520-006 |    | Horizontal Frame Profile |    | Fw                | 1     |
| WT8520-006 |    | Vertical Frame Profile   |    | Fh                | 2     |
| WT8520-104 |    | Horizontal Sash Profile  |    | Sw= Fw- 64,8 mm   | 2     |
| WT8520-104 |   | Vertical Sash Profile    |    | Sh= Fh- 43,4 mm   | 2     |
| WT8520-203 |  | Mullion Profile          |  | Mw= Sw- 166,4 mm  | 1     |
| WT8514-503 |  | Add on Profile           |  | Aw= Sw-4 mm       | 1     |
| WT8514-502 |  | Bottom Profile           |  | Ew= Fw-102,8 mm   | 1     |

| GLAZING BEAD       | Piece |
|--------------------|-------|
| GBw= Sw- 210,4 mm  | 4     |
| GBh1= H1 - 116,9mm | 2     |
| GBh2= H2 - 138,3   | 2     |

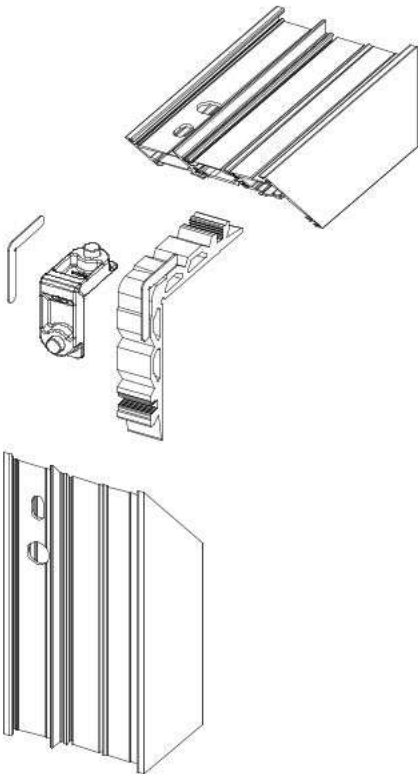
| GLASS CUTTING    | Piece |
|------------------|-------|
| Gw1= Sw - 180 mm | 1     |
| Gh1= H1-130,5mm  |       |
| Gw2= Gw1         | 1     |
| Gh2= H2-151,9mm  |       |



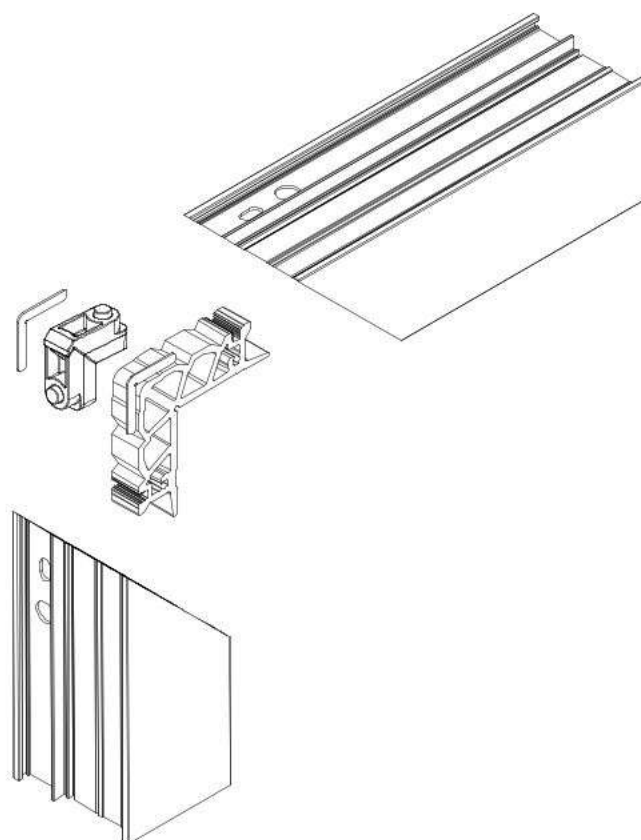
# MACHINING

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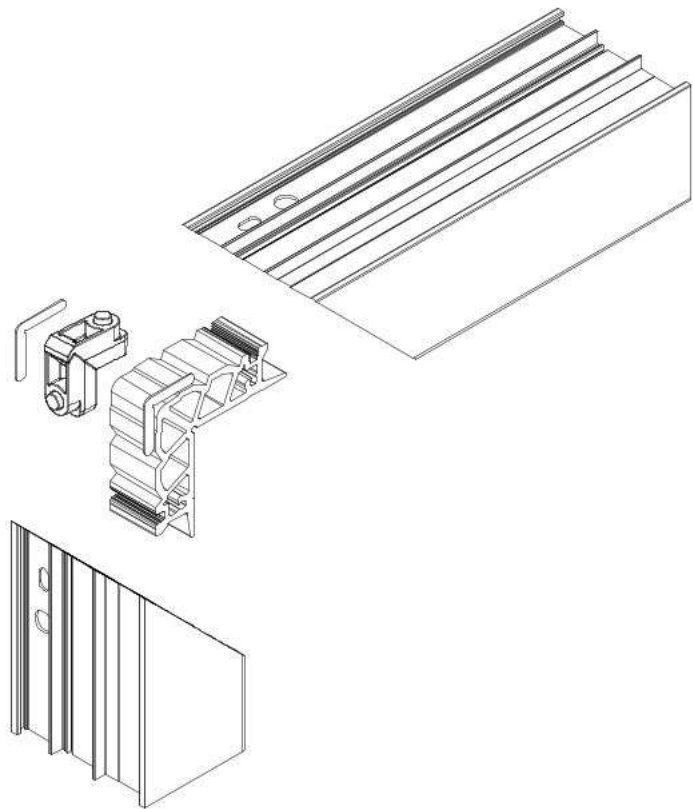
**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM



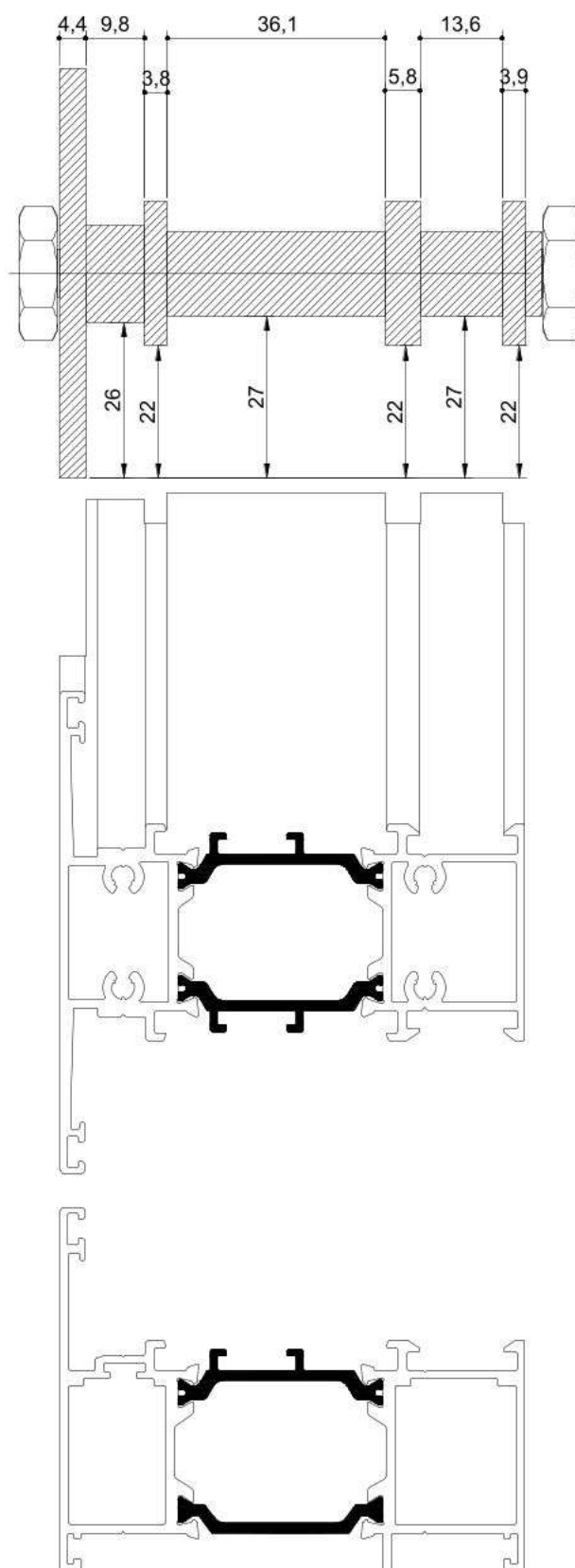
|            | Profile Drawing | Profile Description | Accessories    |             |
|------------|-----------------|---------------------|----------------|-------------|
| WT8514-001 |                 | Frame Profile       | KT-106-155<br> | CR-1119<br> |
| WT8514-001 |                 | Frame Profile       | CR-2000<br>    | CR-1900<br> |

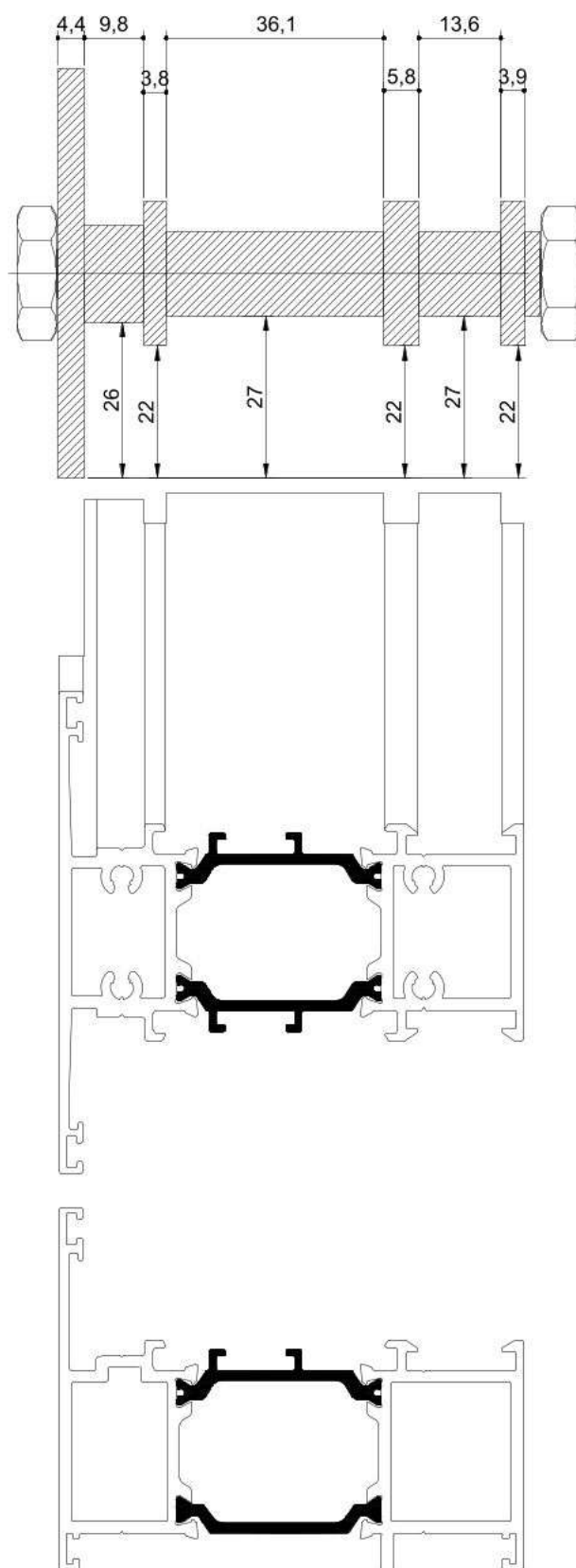


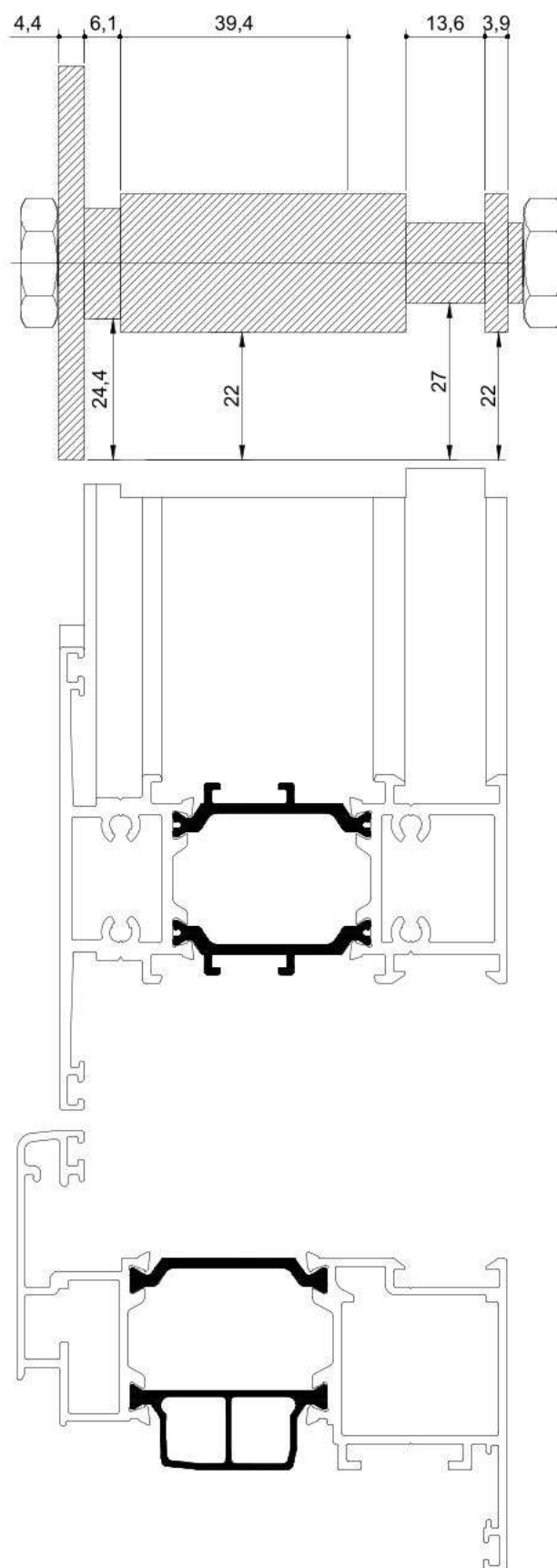
|                                                      | Profile Drawing | Profile Description | Accessories |         |
|------------------------------------------------------|-----------------|---------------------|-------------|---------|
| WT8514-002<br>WT8520-002<br>WT8514-005<br>WT8520-005 |                 | Frame Profile       | KT-225-155  | CR-2319 |
|                                                      |                 | Frame Profile       |             |         |
|                                                      |                 | Frame Profile       | CR-2000     | CR-1900 |
|                                                      |                 | Frame Profile       |             |         |

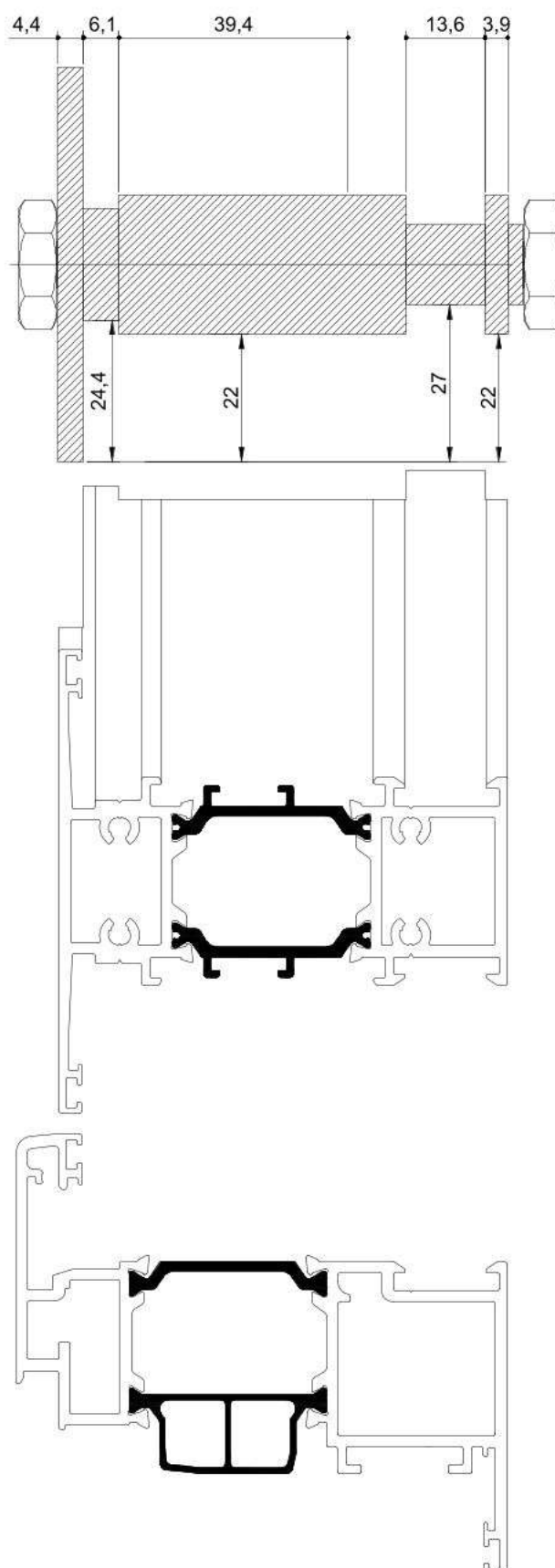


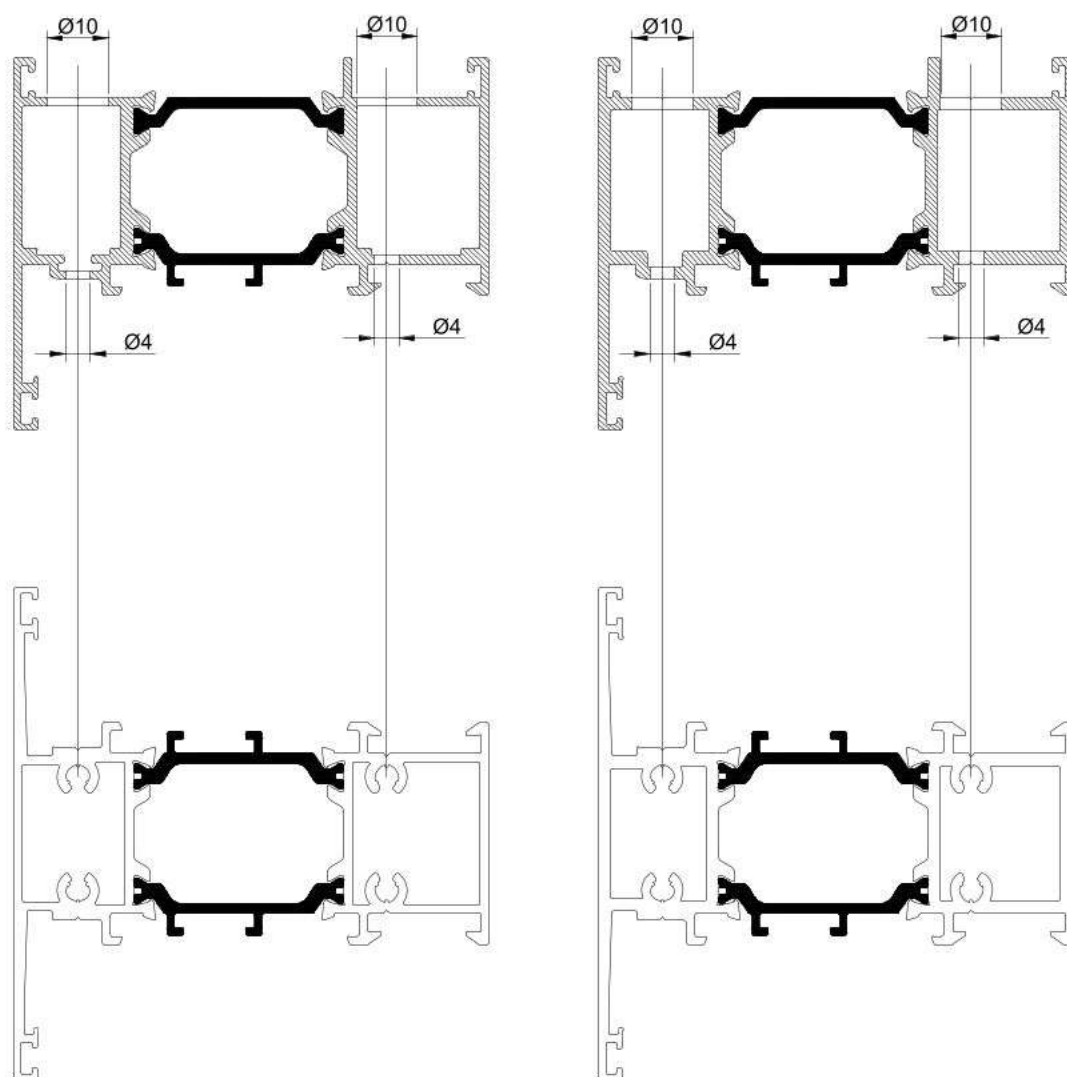
|                                             | Profile Drawing | Profile Description | Accessories |         |
|---------------------------------------------|-----------------|---------------------|-------------|---------|
| WT8520-008 WT8514-008 WT8520-006 WT8514-006 |                 | Frame Profile       | KT-225-026  | CR-2319 |
|                                             |                 | Frame Profile       |             |         |
|                                             |                 | Frame Profile       | CR-2000     | CR-1900 |
|                                             |                 | Frame Profile       |             |         |

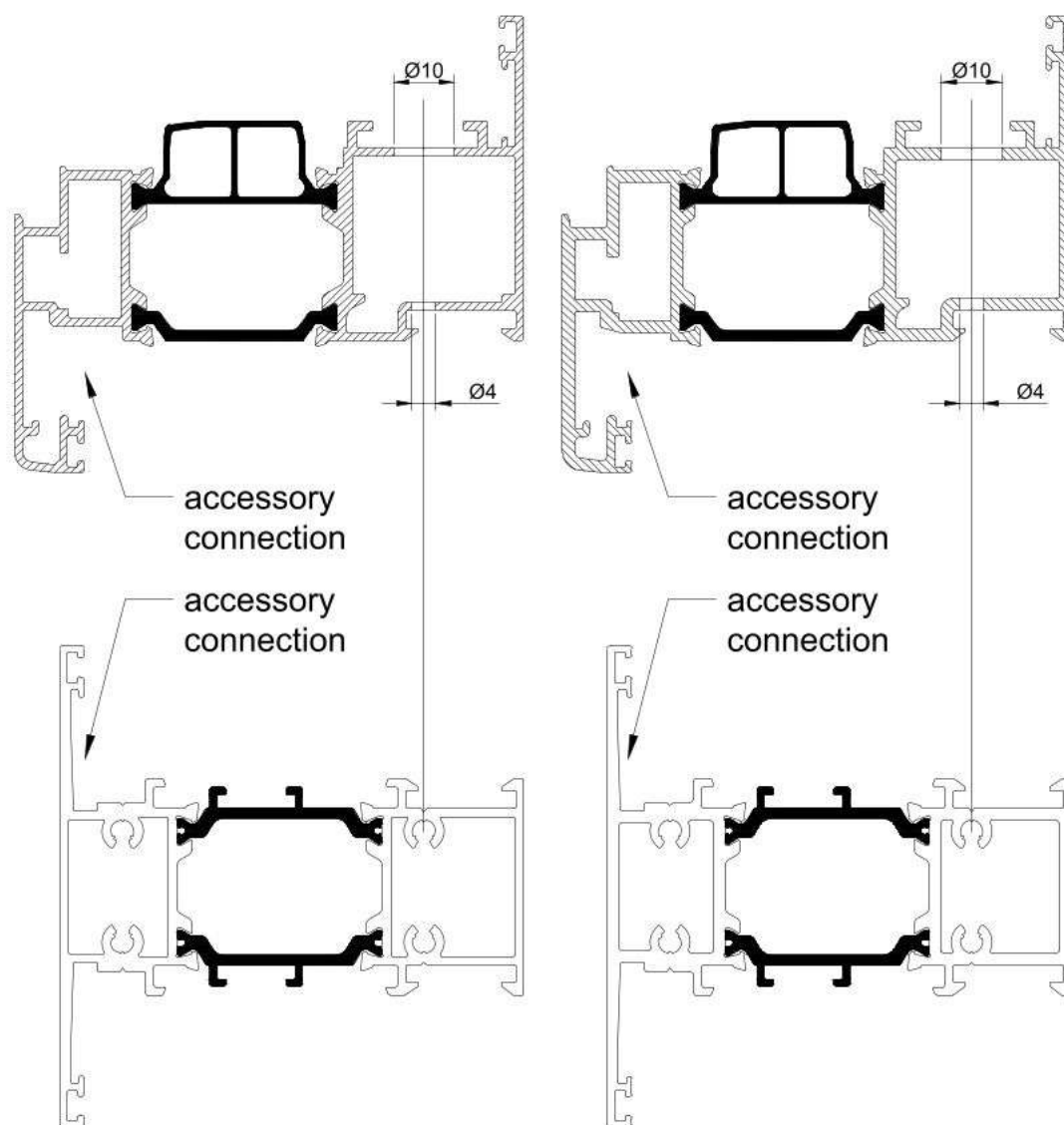


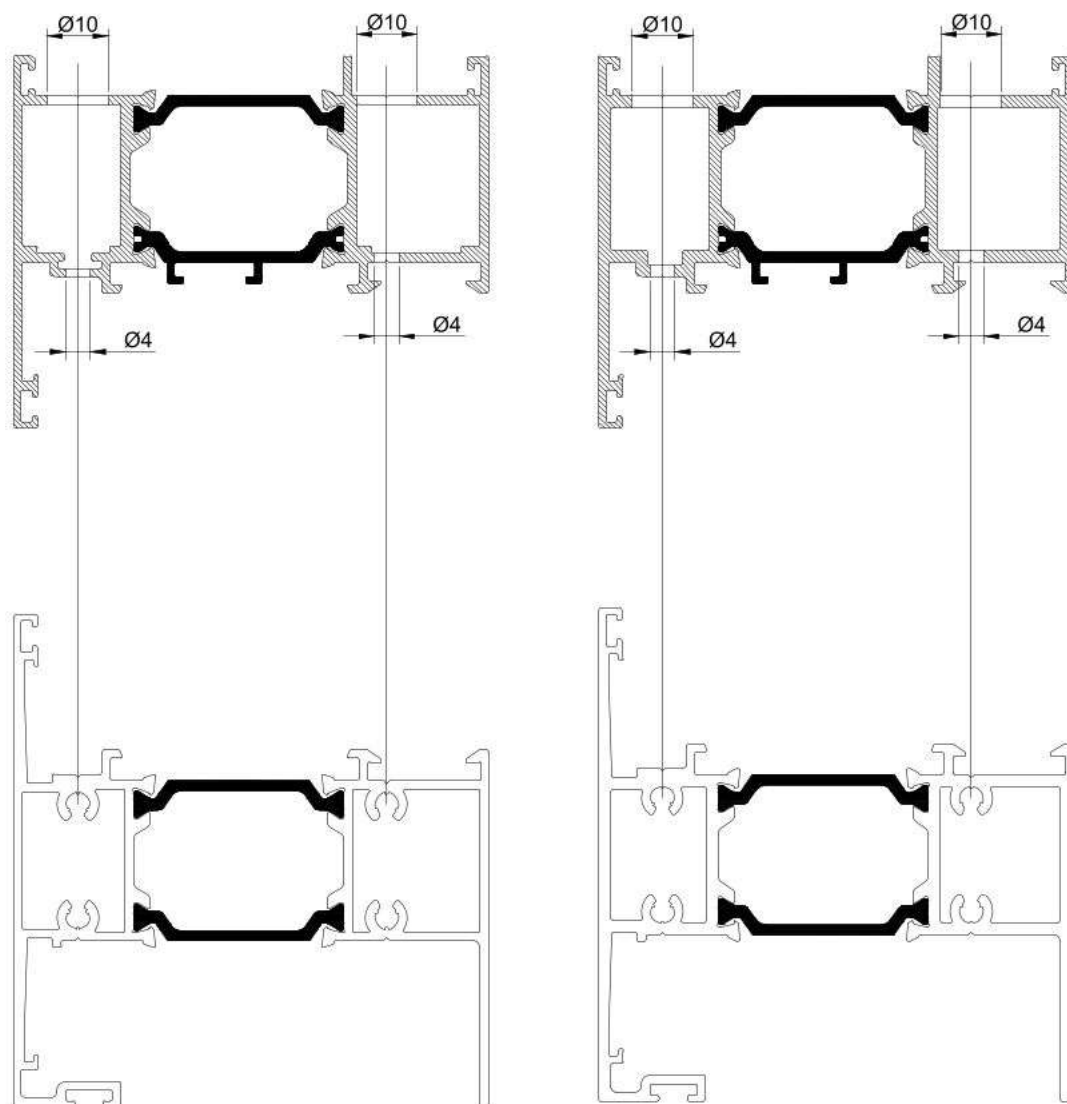


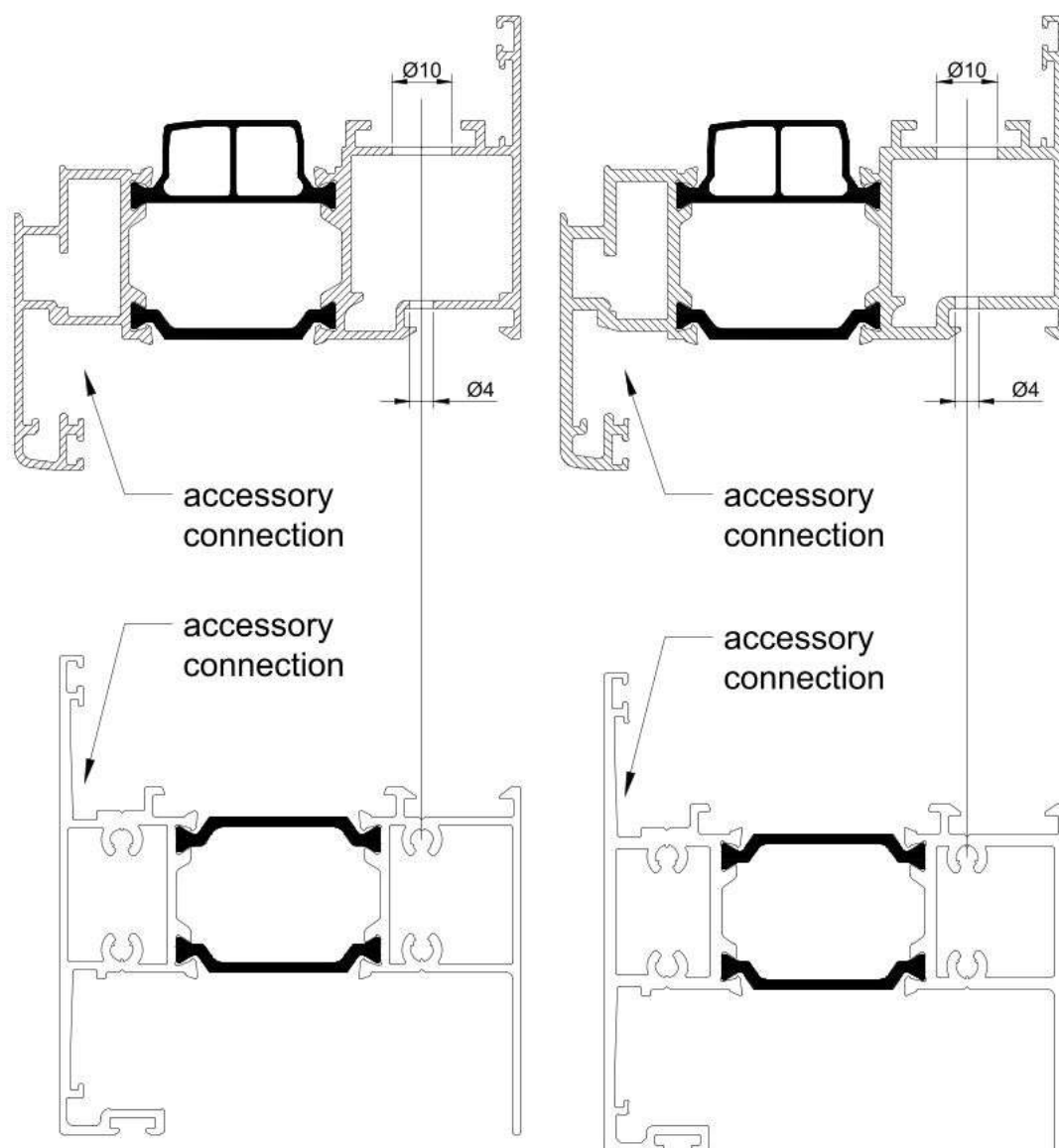


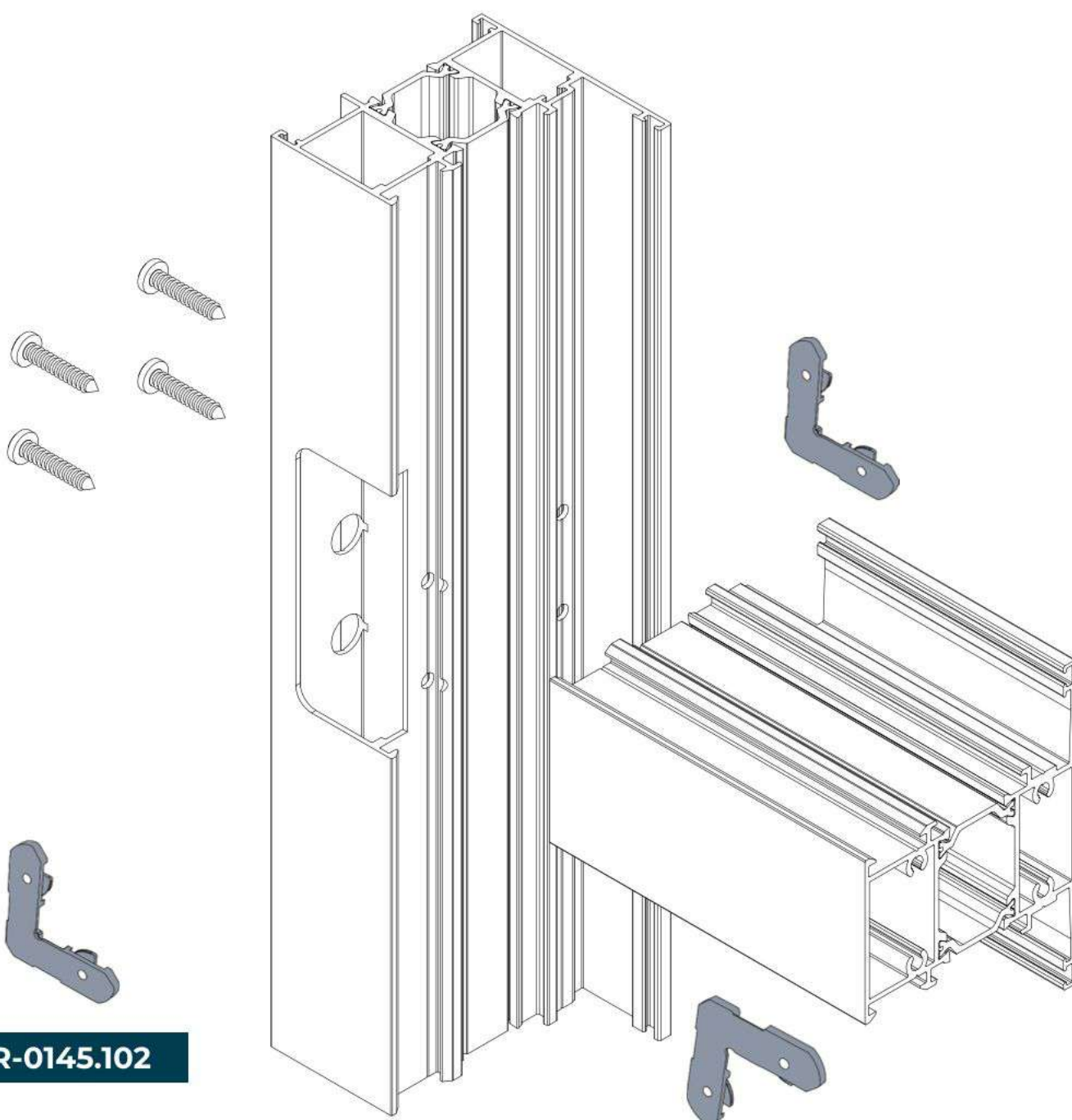
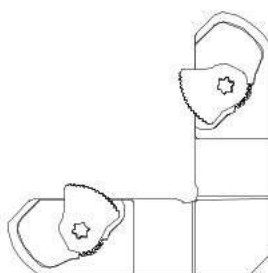
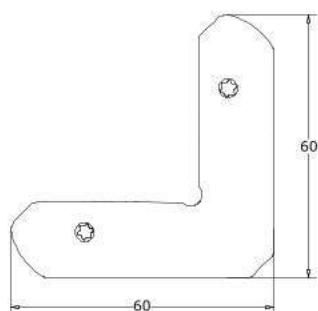




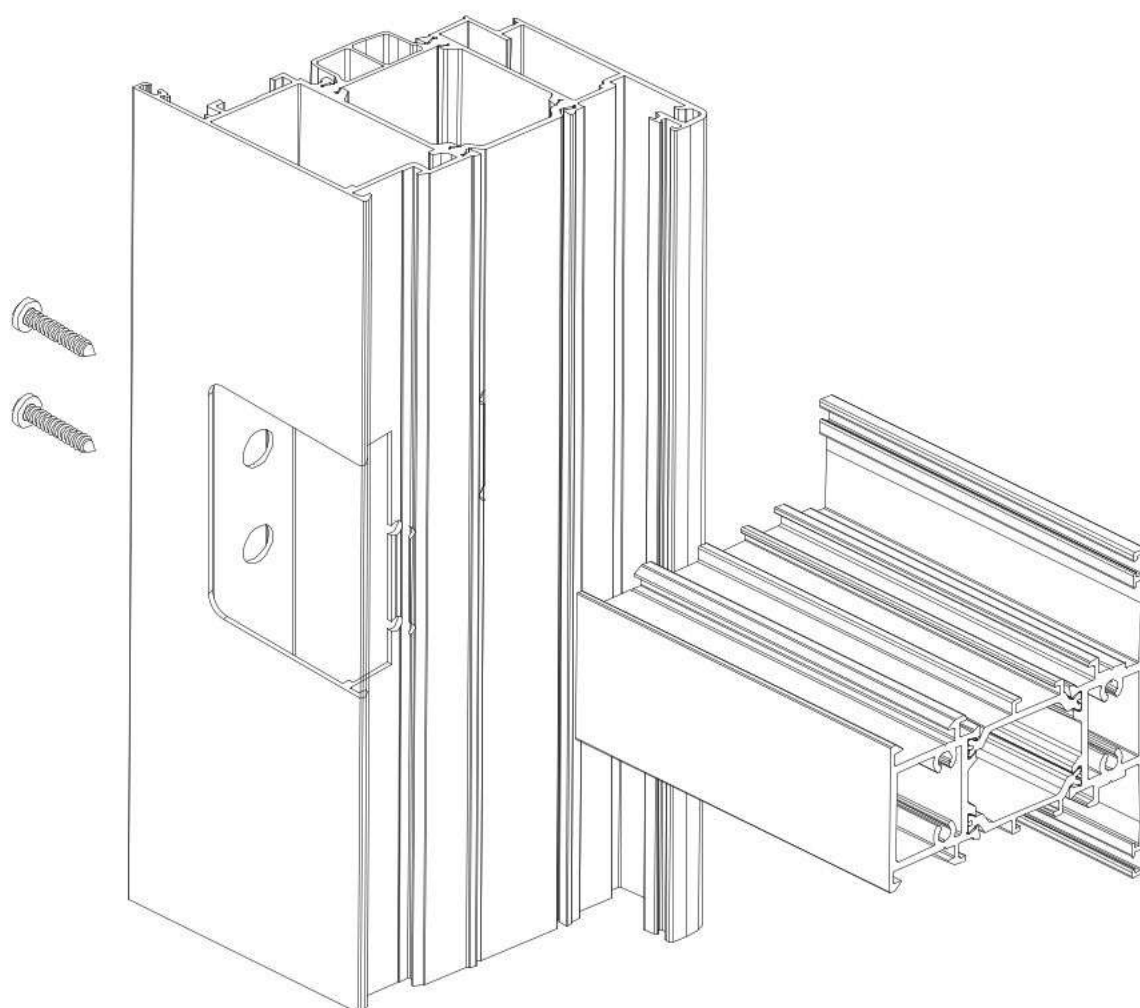




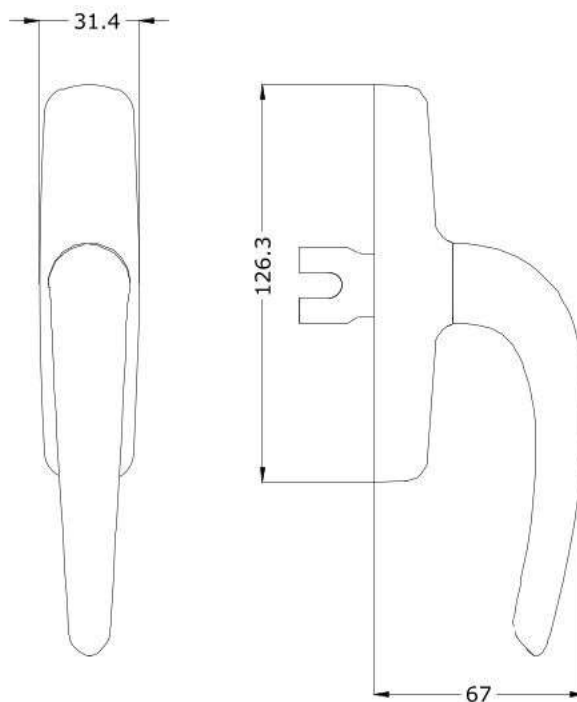
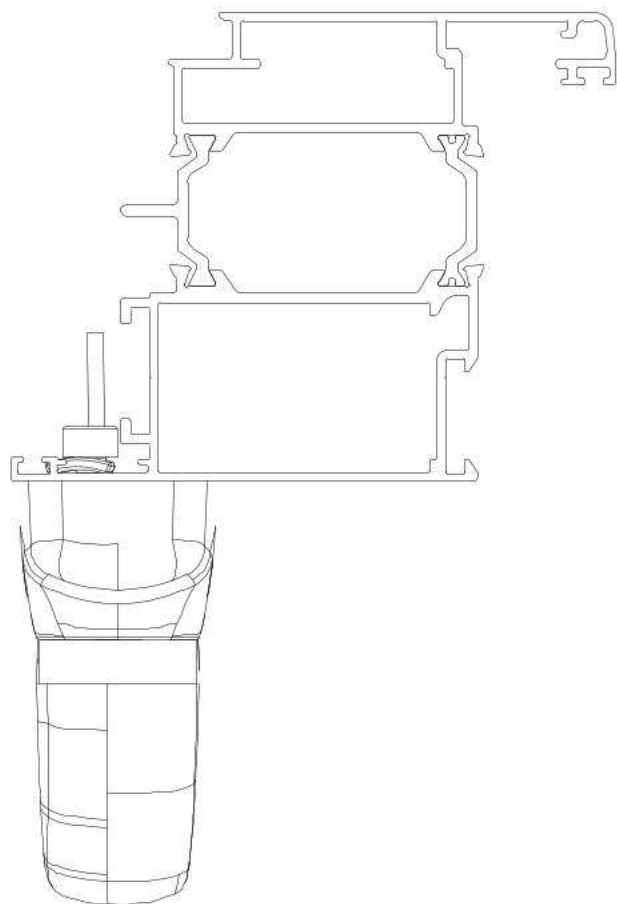




**CR-0145.102**



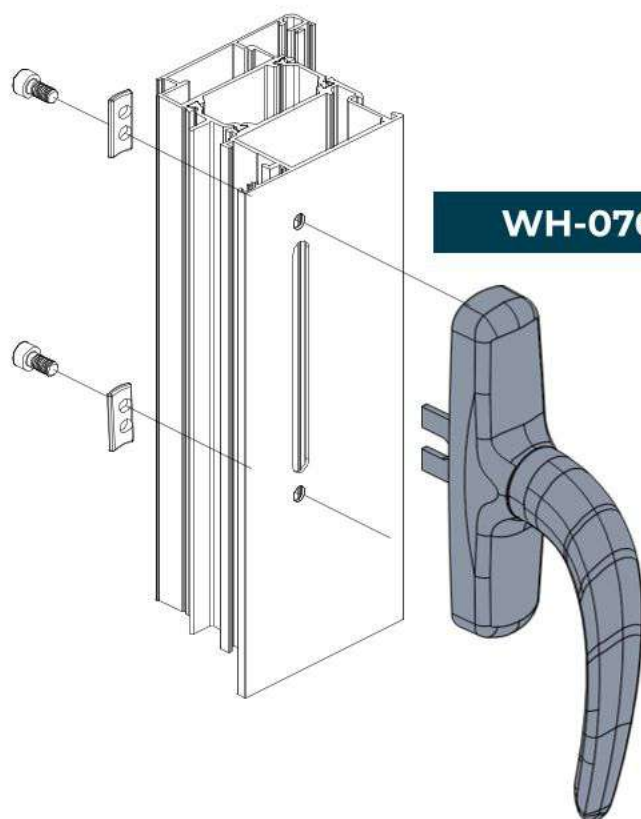
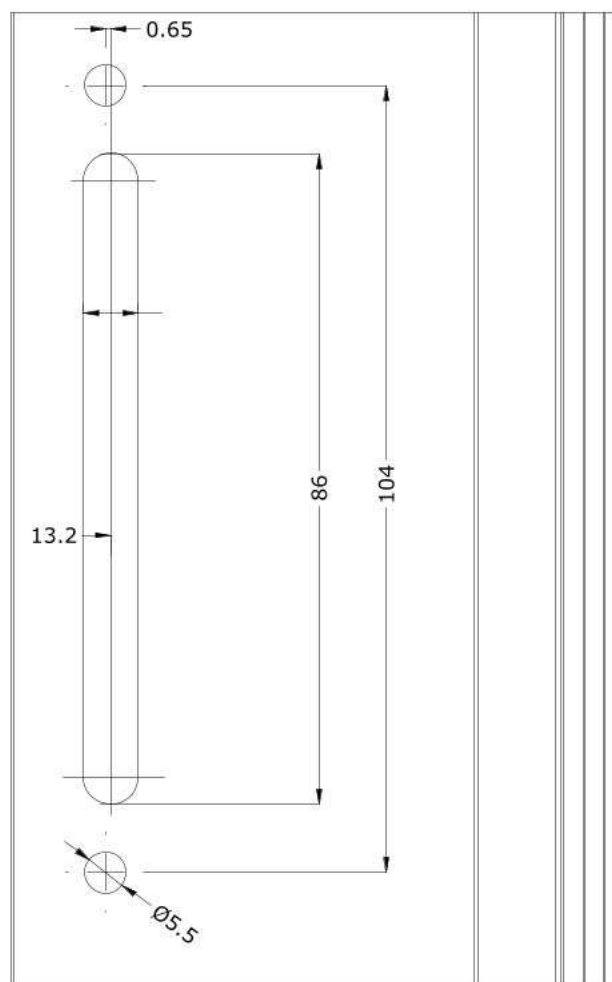
## MACHINING

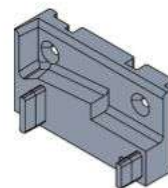
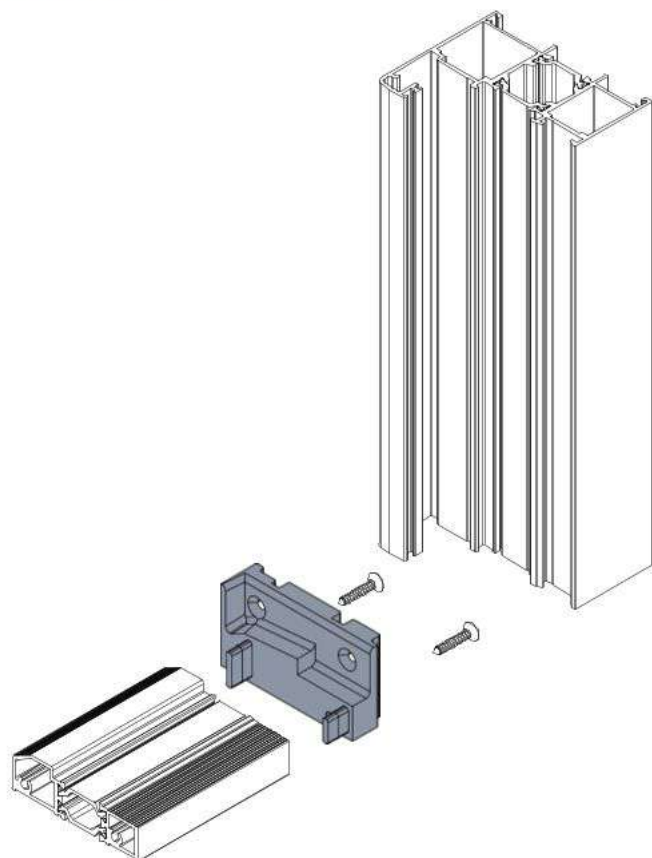


ART  
WH-0760  
Handle for Window

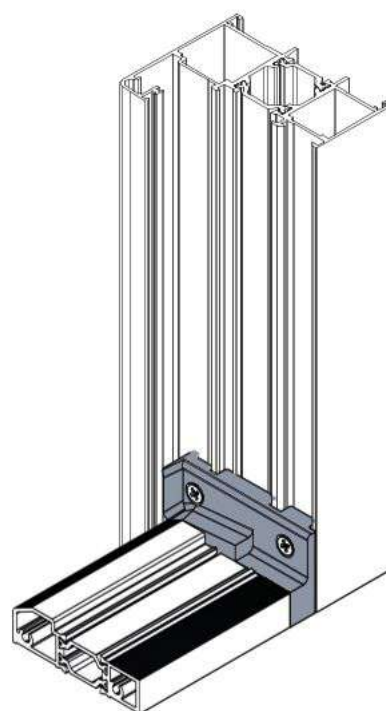
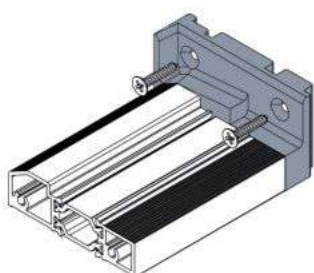
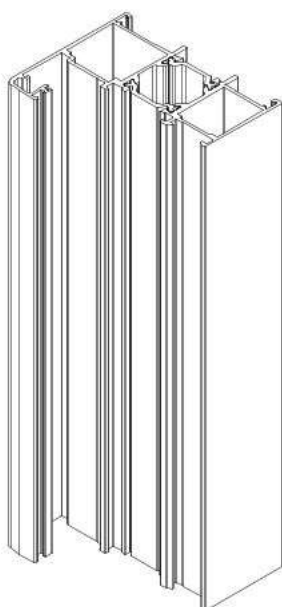


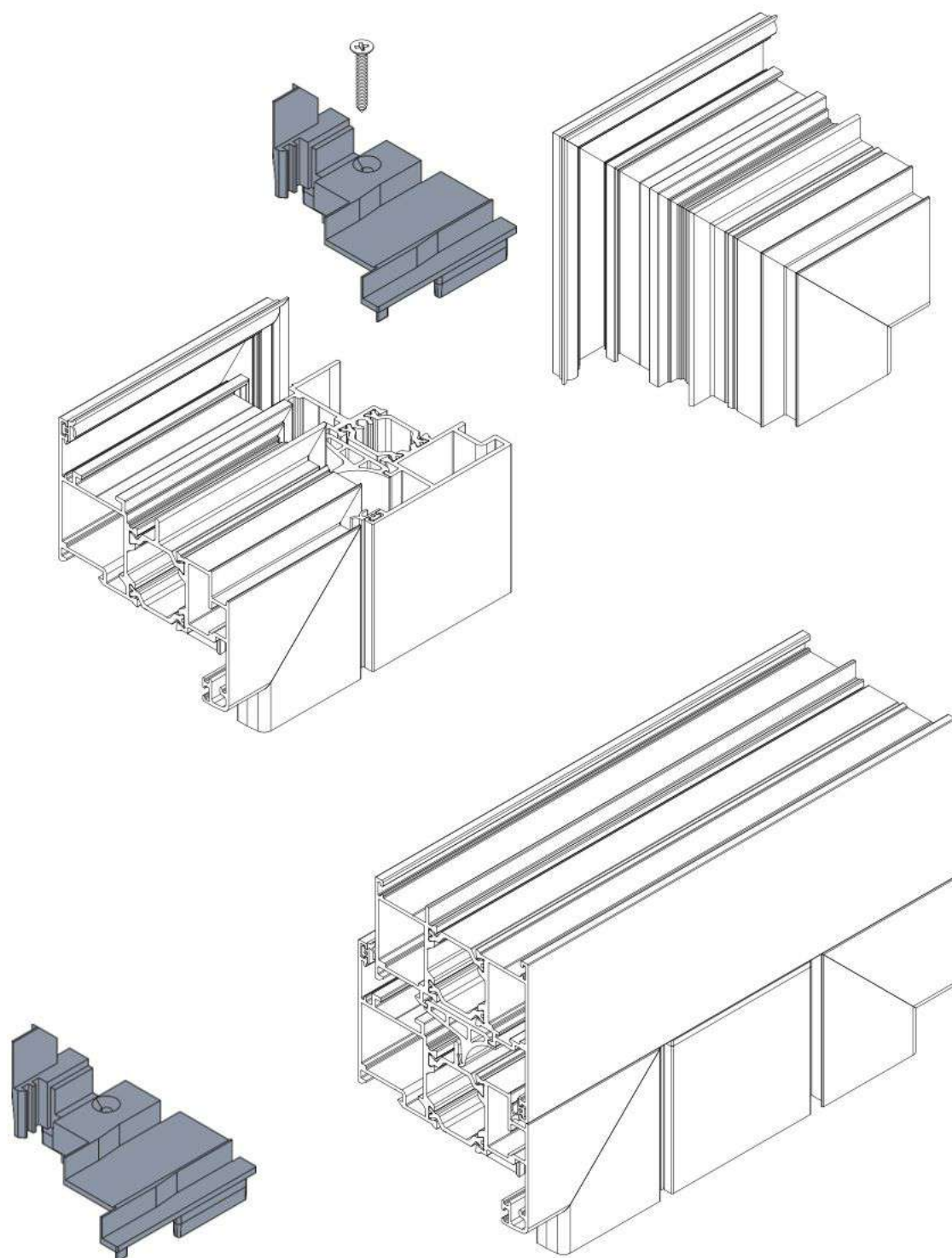
50 pcs



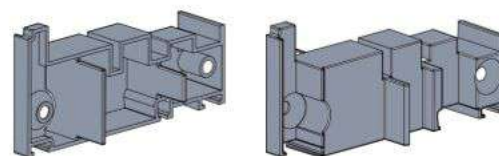


**CAP-WT85 -502**

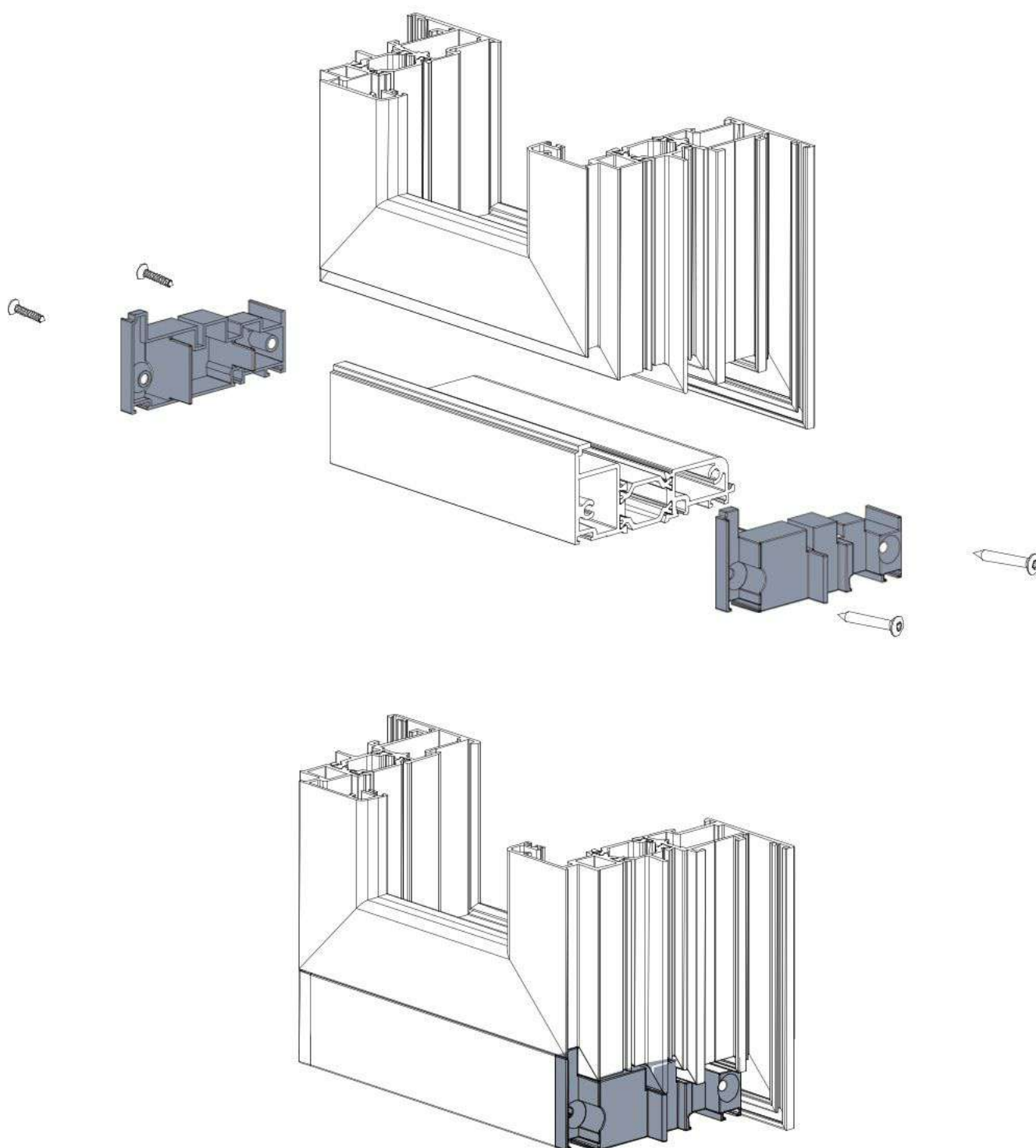


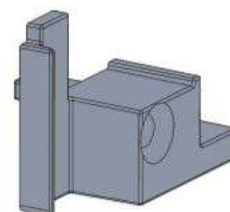
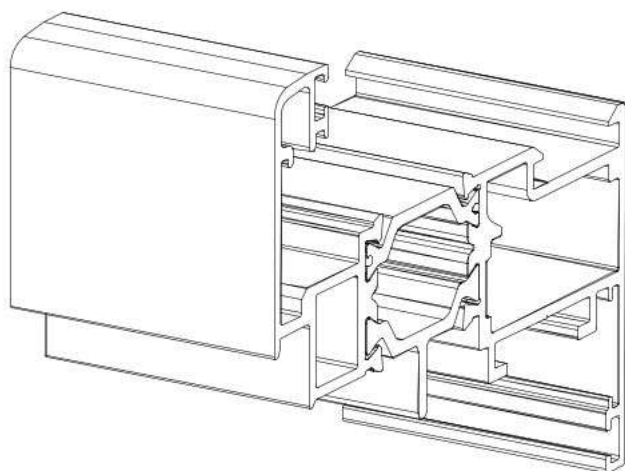


**CAP-WT85-401**

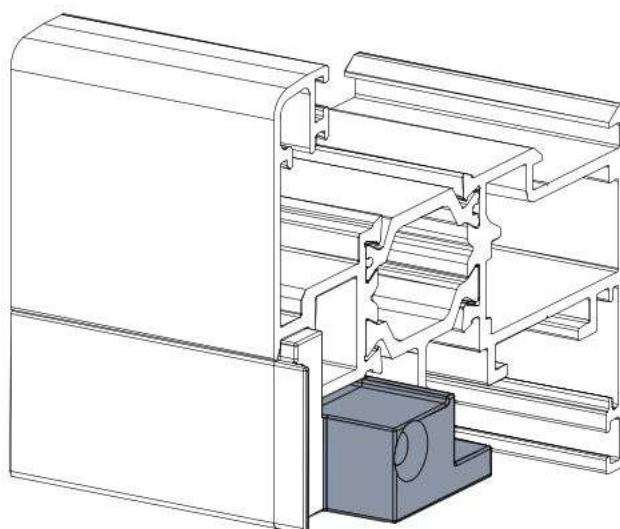
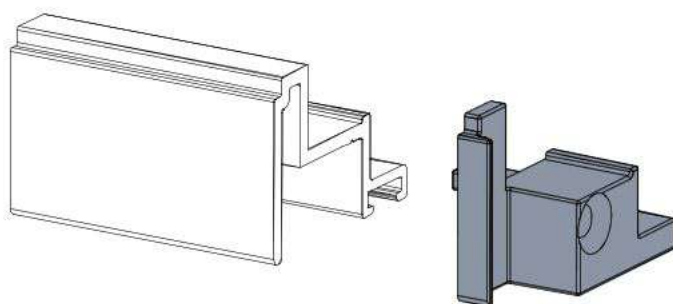


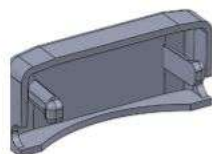
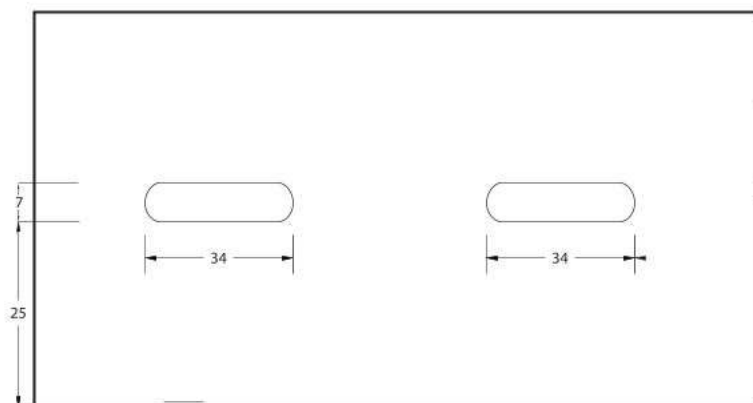
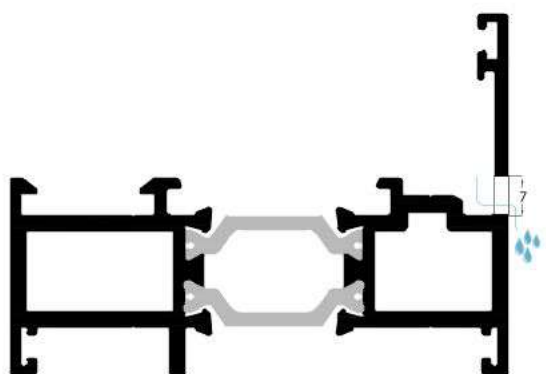
**CAP-WT85-504**





**CAP-WT-503**



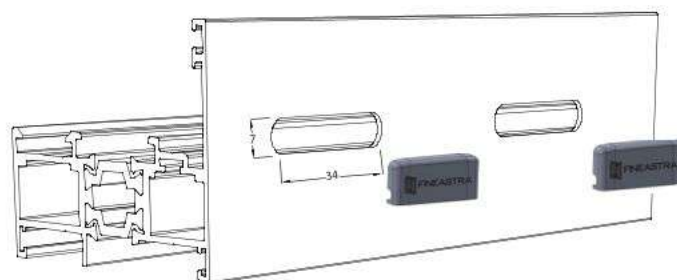


ART



Water drainage cup

**WDC-001**

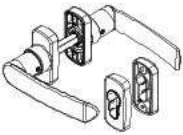
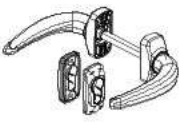
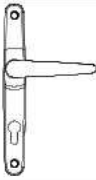
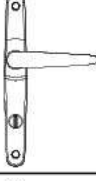
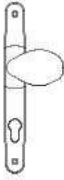


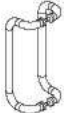
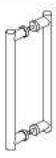
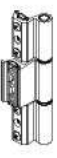
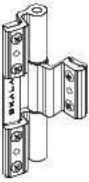
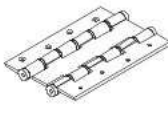
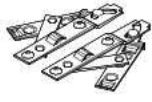
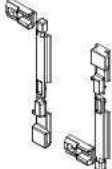


## ACCESSORIES

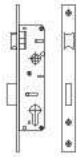
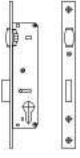
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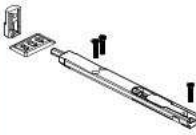
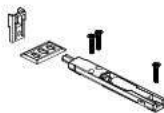
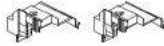
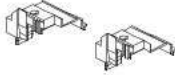
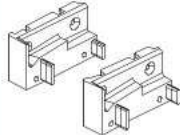
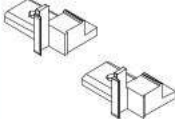
**WT85**  
&  
**WT85P**  
DOORS & WINDOWS SYSTEM

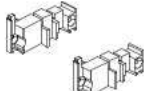
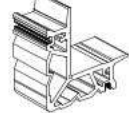
|         | Accessory Drawings                                                                  | Accessory Description        |
|---------|-------------------------------------------------------------------------------------|------------------------------|
| WH-0760 |    | Handle For Window            |
| WH-0790 |    | Handle For Window            |
| DH-2061 |    | Aluminium Door Handle        |
| DH-2051 |   | Aluminium Door Handle        |
| DH-3032 |  | Aluminium Door Handle        |
| DH-3132 |  | Aluminium Door Handle For Wc |
| DH-3432 |  | Aluminium Door Handle        |
| PH-7060 |  | Pull Handle                  |
| PH-7090 |  | Pull Handle                  |

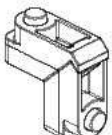
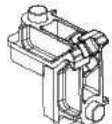
|         | Accessory Drawings                                                                    | Accessory Description       |
|---------|---------------------------------------------------------------------------------------|-----------------------------|
| PH-7050 |     | Pull Handle                 |
| PH-7010 |     | Pull Handle                 |
| HN-9730 |    | Hinge For Window            |
| HN-9733 |   | Hinge For Window            |
| HN-3301 |  | Hinge For Door              |
| HN-3303 |  | Hinge For Door              |
| HN-3800 |   | Spring Hinge For Swing Door |
| HN-0148 |   | Hidden Hinge                |
| WH-1080 |   | Kit For Window Handle       |

## ACCESSORIES

|          | Accessory Drawings                                                                  | Accessory Description                  |
|----------|-------------------------------------------------------------------------------------|----------------------------------------|
| WH-5040  |    | Adjustable Rod Profile Locking Strikes |
| WH-5050  |    | Rod Profile Locking                    |
| 153 35   |    | Mortise Lock With Cylinder             |
| 155 35   |   | Mortise Lock With Roller               |
| XX-9018D |  | Locking Strikes For Cylinder           |
| XX-9018M |  | Locking Strikes For Roller             |
| DH-8020  |  | 80mm Cylinder                          |
| PL-8200  |  | Finger Pull Lock                       |
| PL-1000  |  | Stay Arm                               |

|              | Accessory Drawings                                                                   | Accessory Description                 |
|--------------|--------------------------------------------------------------------------------------|---------------------------------------|
| PL-1273      |    | Telescopic Arm Four Kinds Of Position |
| PL-1275      |    | Telescopic Arm Six Kinds Of Position  |
| BL-3215      |    | Dead Bolt Latch                       |
| BL-3217      |   | Dead Bolt Latch                       |
| BL-1000      |  | Dead Bolt Latch                       |
|              |  | Adapter Cover (euro camera)           |
|              |  | Adapter Cover (PVC groove)            |
| CAP-WT75-502 |  | Threshold cap                         |
| CAP-503      |  | Add on profile cap                    |

|              | Accessory Drawings                                                                  | Accessory Description |
|--------------|-------------------------------------------------------------------------------------|-----------------------|
| CAP-WT75-504 |    | Add on profile cap    |
| KT-106-080   |    | Aluminum corner joint |
| KT-106-155   |    | Aluminum corner joint |
| KT-106-195   |   | Aluminum corner joint |
| KT-106-026   |  | Aluminum corner joint |
| KT-225-080   |  | Aluminum corner joint |
| KT-225-155   |  | Aluminum corner joint |
| KT-225-195   |  | Aluminum corner joint |
| KT-225-026   |  | Aluminum corner joint |

|            | Accessory Drawings                                                                   | Accessory Description                                 |
|------------|--------------------------------------------------------------------------------------|-------------------------------------------------------|
| KT-427-080 |    | Aluminum corner joint                                 |
| KT-427-026 |    | Aluminum corner joint                                 |
| CR-1001    |    | Alignment stainless steel corner joint                |
| CR-1119    |   | Threaded aluminium corner-joint                       |
| CR-1126    |  | Threaded aluminium corner-joint                       |
| CR-2000    |  | Die-cast Aluminium Corner Joint With Locking Function |
| CR-2319    |  | Threaded aluminium corner-joint                       |
| CR-2326    |  | Threaded aluminium corner-joint                       |
| CR-2650    |  | Threaded aluminium corner-joint                       |

|        | Accessory Drawings                                                                  | Accessory Description |
|--------|-------------------------------------------------------------------------------------|-----------------------|
| GS-102 |    | Outer glazing gasket  |
| GS-202 |    | Inner glazing gasket  |
| GS-203 |    | Inner glazing gasket  |
| GS-204 |  | Inner glazing gasket  |
| GS-205 |  | Inner glazing gasket  |
| GS-206 |  | Inner glazing gasket  |
| GS-207 |  | Inner glazing gasket  |
|        |                                                                                     |                       |
|        |                                                                                     |                       |

|             | Accessory Drawings                                                                    | Accessory Description                  |
|-------------|---------------------------------------------------------------------------------------|----------------------------------------|
| GS-301      |    | Frame gasket                           |
| GS-302      |    | Frame gasket                           |
| GS-503      |    | Gasket for threshold                   |
| GS-WT85-101 |    | Gasket for open joint                  |
| Athos 1701  |  | "T" profile connector                  |
| CR-1910     |   | Alignment Stainless Steel Corner Joint |
| CR-1900     |   | Alignment Stainless Steel Corner Joint |
|             |                                                                                       |                                        |
|             |                                                                                       |                                        |