

# KATALOG TECHNICZNY PVC

# CATALOGUE TECHNIQUE PVC

# PVC TECHNICAL CATALOGUE

# TECHNISCHER KATALOG PVC

# CATALOGO TECNICO PVC

# PVC TECHNISCHE CATALOGUS

1/2023

MENU

MENU

# aluplast®

Kunststoff-Fenstersysteme

ALUPLAST



IDEAL 8000



IDEAL 7000 NL



IDEAL 7000 NEW



IDELA 5000



IDEAL 4000 NEW



IDEAL 4000



IDEAL 70 /4000
CASEMANT



NORDLINE



MONOBLOCK



ENERGETO NEO



IDEAL NEO AD / MD



ENERGETO 8000



HST 85



SMARTSLIDE



MULTISLIDE



EASYSLIDE

SALAMANDER



EVOLUTIONDRIVE 82



EVOLUTIONDRIVE PLUS+



EVOLUTIONDRIVE SF



BLUEVOLUTION 92



BLUEVOLUTION 82



GREENEVOLUTION FLEX

EKOSUN



EKOSUN HST



EKOSUN 70



EKOSUN 7



EKOSUN 6 NL



EKOSUN 6

GEALAN



GEALAN HST



SYSTEM



GEALAN S8000

1

3

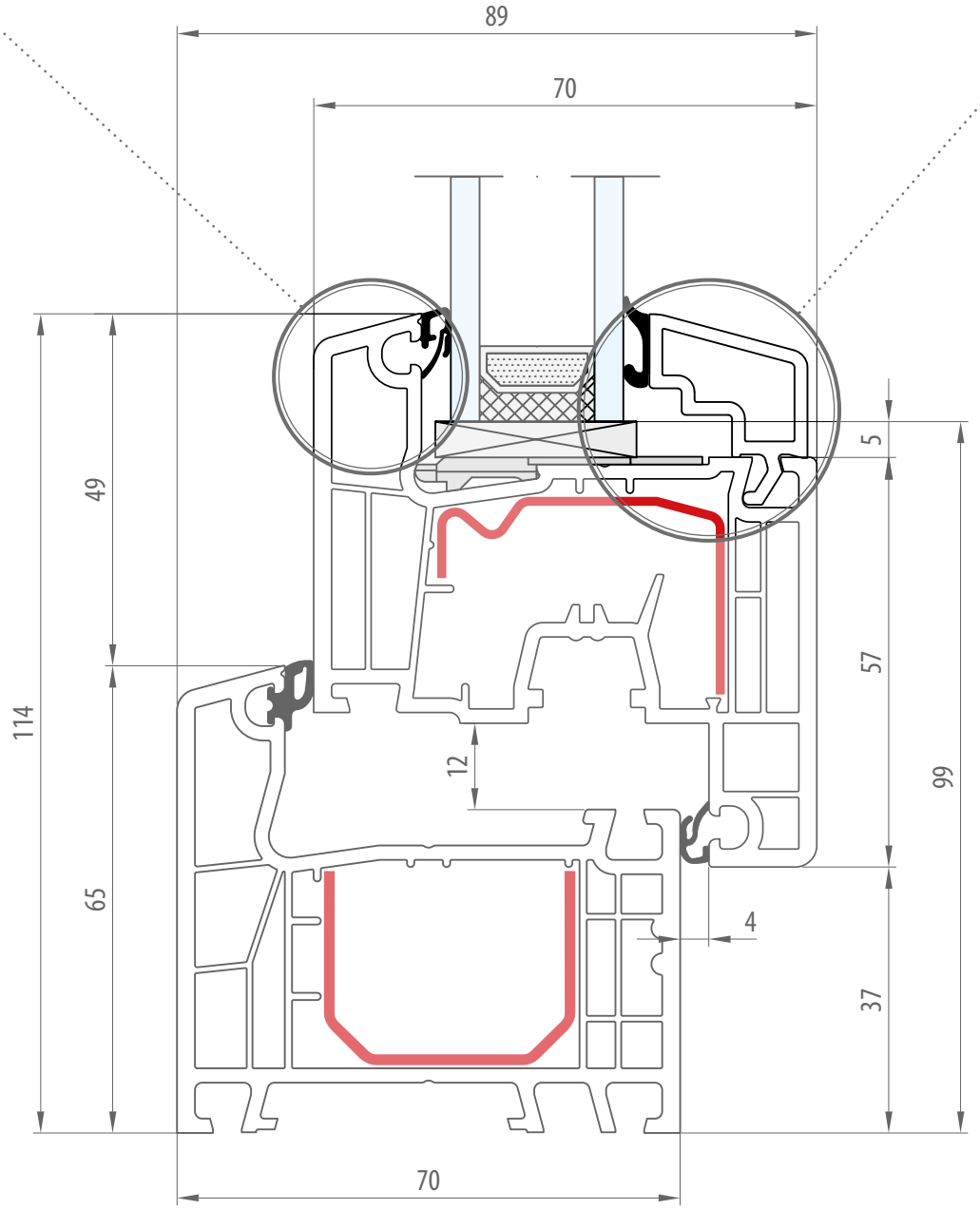
SL
CL

5

4

SL
CL
RL

6

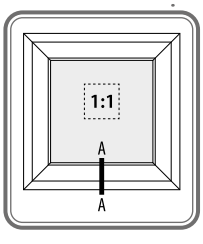



2

- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kozijn: 65 mm · Vleugel: 77 mm

7

8



# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen

**1**
- Nazwa systemu
- Nom du système
- Name of a system
- System
- Nome del sistema
- Systeem naam

**2**
- Numery profili
- Numéros de profil
- Number of profiles
- Nummern der Profile
- Numeri dei profili
- Systeem naam

**3**
- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant

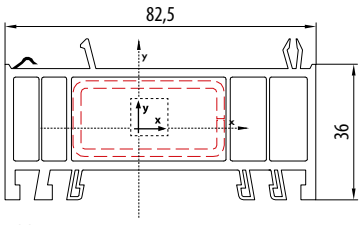
**4**
- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant

**5**
- Wykończenie zewnętrzne skrzydła
- Finition extérieure des l'ouvrant
- Finished of an external sash
- Ausführung der Innenseite es Flügels
- Finitura esterna dell'anta
- Buitenafwerking van de vleugel

**6**
- Wykończenie listwy przyszybowej
- Finition de la parclose
- Finished of a glazing bead
- Ausführung der Glasleiste
- Finitura del fermavetro
- Afwerking van glaslatten

**7**
- Opis rysunku - szerokość profili
- Description du dessin
- Description of a drawing
- Beschreibung der Zeichnung
- Descrizione del disegno
- Tekening beschrijving - profielbreedte

**8**
- Miejsce i skala przekroju
- Endroit et échelle de la coupe
- Place and scale of the cross-section
- Stelle und Skala des Querschnitts
- Luogo e scala della sezione
- Plaats en schaal van de doorsnede




12345

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 12345 | Ix 1,4 | Iy 4,1 |

| | | | |
|---|---|---|---|
| Wzmocnienie | Grubość | Kod | Moment bezwładności [cm⁴] |
| Renforcement | Épaisseur | Code | Moment d'inertie [cm⁴] |
| Reinforcement | Thickness | Code | Moment of inertia [cm⁴] |
| Verstärkung | Stärke | Code | Flächenträgheitsmoment [cm⁴] |
| Rinforzo | Spessore | Codice | Momento di inerzia [cm⁴] |
| Versterking | Dikte | Code | Traagheidsmoment [cm⁴] |

Przedstawiono wzmocnienia standardowe dla konstrukcji w kolorze białym o wymiarach referencyjnych.

Les renforts standard pour une structure de couleur blanche de dimension de référence ont été présentés.

Standard reinforcements for white constructions with reference dimensions are presented

Es wurden standard Verstärkungen bei weißen Elementen mit Referenzmassen dargestellt

Sono stati presentati i rinforzi standard delle costruzioni di colore bianco con dimensioni di riferimento.

Standaard verstevigingen worden gepresenteerd voor de constructie in het wit met referentiematen

# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen



- Ilość komór
- Nombre de chambres
- Number of chambers
- Anzahl Kammern
- Quantita' di camere
- Aantal kamers



- Ilość uszczelek
- Nombre de joitns
- Number of gaskets
- Anzahl Dichtungen
- Quantita' delle guarnizioni
- Aantal afdichtingen



- Głębokość zabudowy
- Profondeur de construction
- Installation depth
- Bautiefe
- Profondita' di montaggio
- Inbouwdiepte




- Max grubość wypełnienia
- Épaisseur max du vitrage
- Max filing thickness
- Maximale Stärke der Verglasung
- Massimo spessore del riempimento
- Maximale dikte van de vulling



- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant



- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant



- Rodzaj zgrzewu
- Type de soudure
- Welding type
- Art der Schweißnaht
- Tipo di saldatura
- Type van lassen




- Możliwość zamówienia profilu w klasie A
- Possibilité de commander le profilé de classe A
- It is possible to order a profile in A class
- Auch als A-Klasse-Profil erhältlich
- Possibilita' di ordinare il profilo di classe A
- Mogelijkheid om A-klasseprofiel te bestellen



- Okucie okienne
- Ferrage de fenêtre
- Window fitting
- Fenster-Beschlag
- Ferramenta di finestre
- Raambeslag



- Okucie drzwiowe
- Ferrage de porte
- Door fitting
- Tür-Beschlag
- Ferramenta di porte
- Deurbeslag




- Technologia szyby wklejanej
- Technologie de vitrage collé
- Bonded glass technology
- Glas verklebt
- Tecnologia del vetro incollato
- Technologie van gelijmd glas




- Nakładki aluminiowe
- Capotage aluminium
- Aluminium covers
- Aluschale
- Coperture in alluminio
- Aluminium afdekkingen




Soft-line



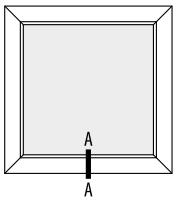

Round-line



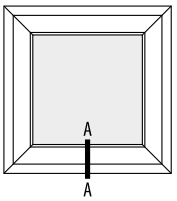

Classic-line



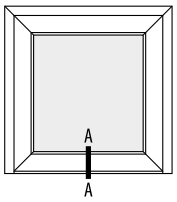

History-line



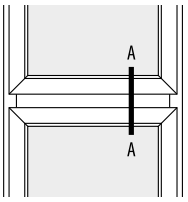

Okno ze stałym szkleniem
Fenêtre fixe
Window with a fixed glazing
Festverglasung
Finestre fisse
Raam met permanente beglazing



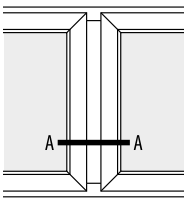

Rama - skrzydło
Dormant - Ouvrant
Frame - Sash
Rahmen - Flügel
Telaio - Anta
Kader - vleugel



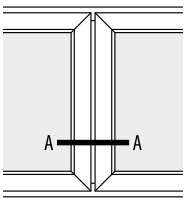

Próg - skrzydło
Seuil - Ouvrant
Threshold - Sash
Schwelle - Flügel
Soglia - Anta
Dorpel - vleugel



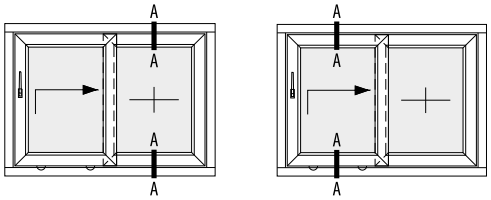

Poprzeczka
Traverse
Muntin bar
Kämpfer
Traverso
Tussenstijl



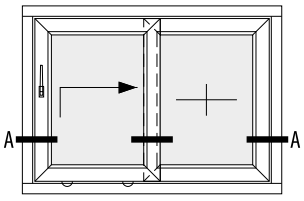

Słupek stały
Meneau fixe
Fixed post
Fester Pfosten
Montante fisso
Vaste stijl




Słupek ruchomy
Meneau mobile
Moveable post
Stulp
Montante mobile
Verplaatsbare stijl

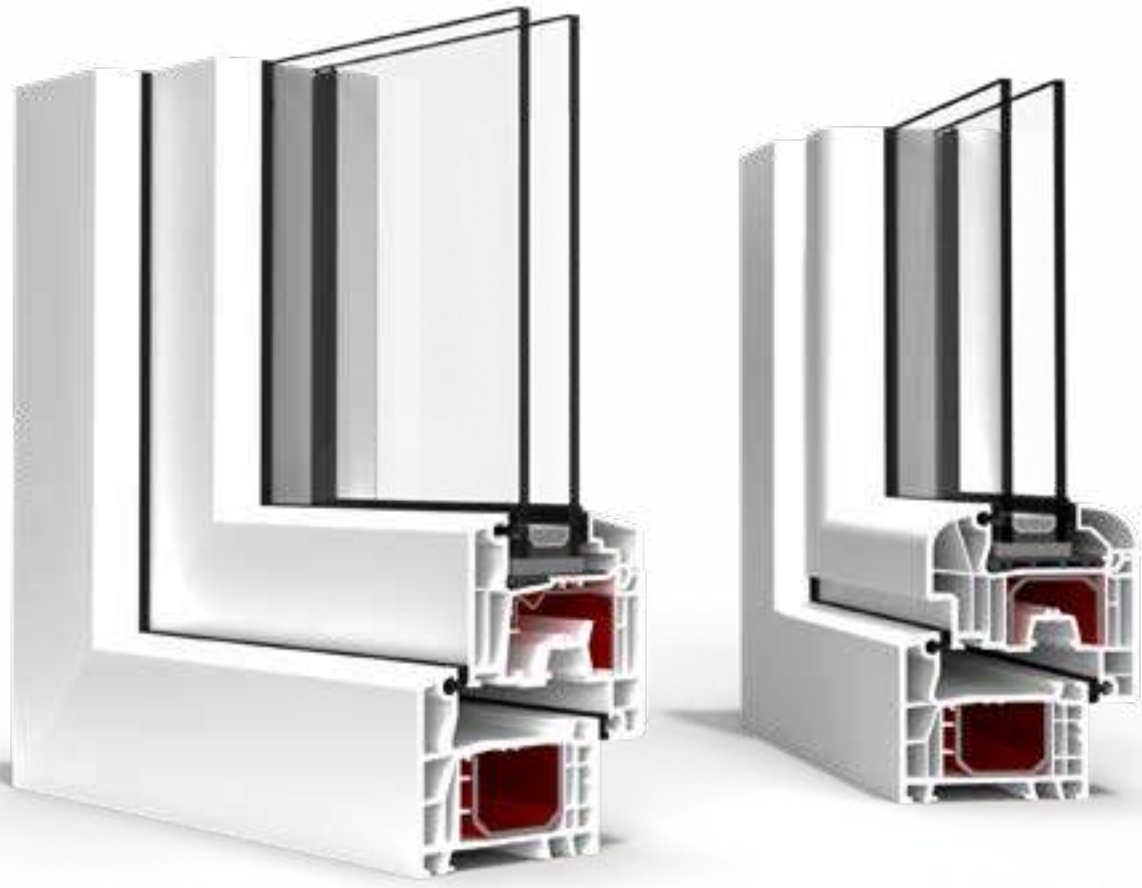


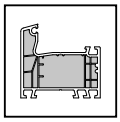

Schemat A - przekrój pionowy
Schéma A – coupe verticale
Scheme A – vertical intersection
Schema A – Senkrechter Querschnitt
Schema A – intersezione verticale
Schema A - verticale doorsnede



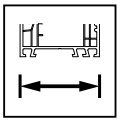

Schemat A - przekrój poziomy
Schéma A - coupe horizontale
Scheme A – horizontal intersection
Schema A – Waagerechter Querschnitt
Schema A – intersezione orizzontale
Schema A - horizontale doorsnede

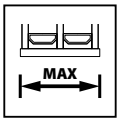
# IDEAL 4000



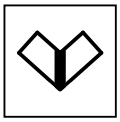

5

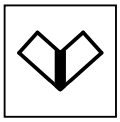

2


70



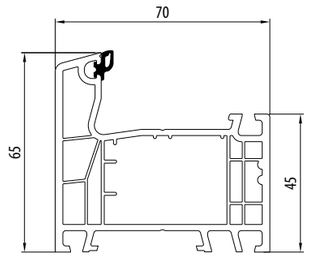
42



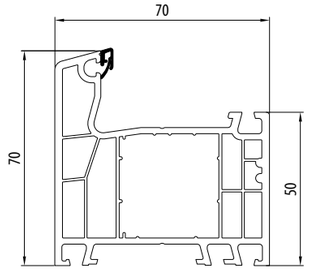





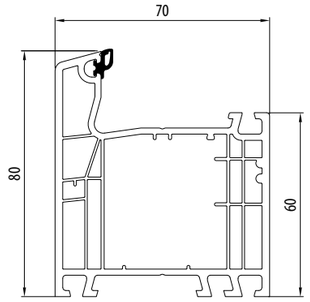

ALU



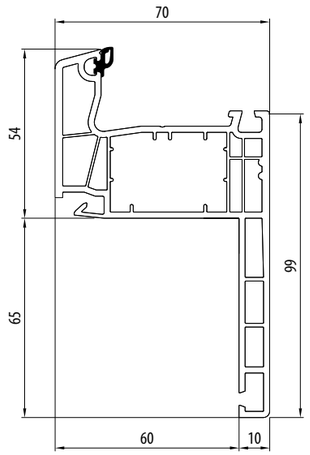

CL 140x01



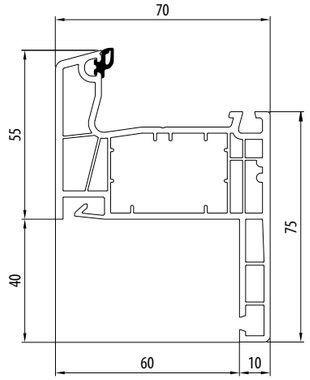

CL ALU 140x07



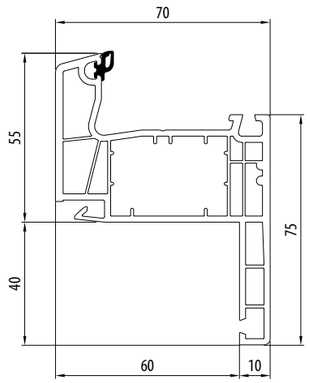

CL ALU 140x03



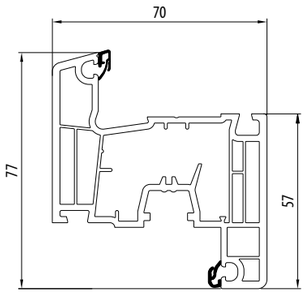

CL 140x09_11



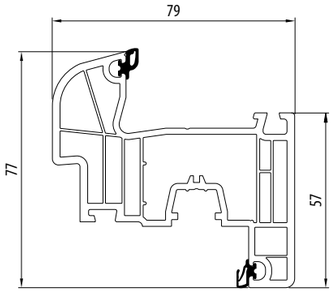

CL 140x15



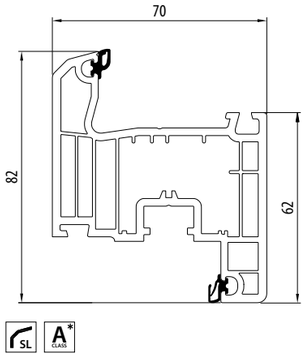

CL 140x17



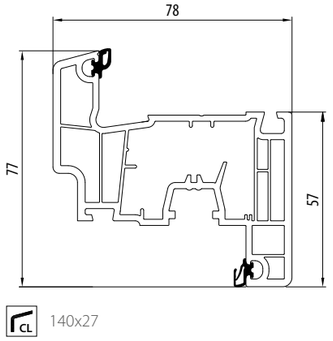

CL ALU 140x20



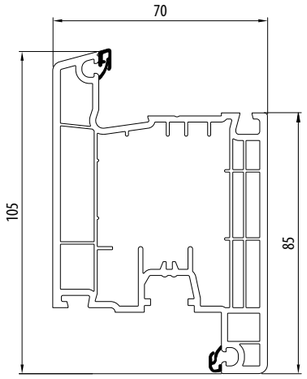

RL 140x22



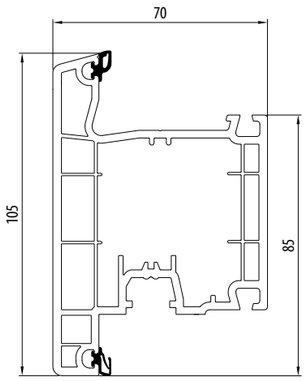

SL A* 140x20



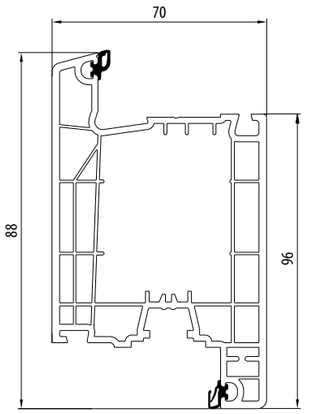

CL 140x27



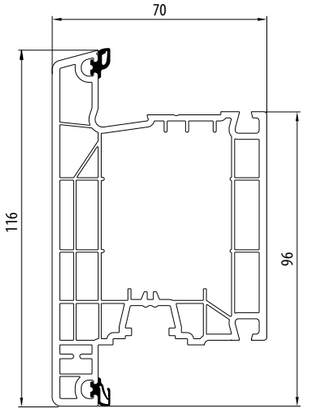

CL ALU 140x30



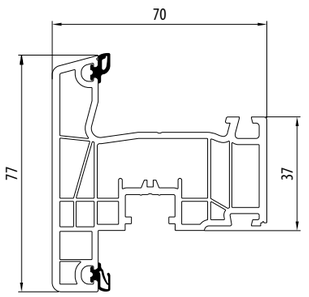

CL 140x31




CL ALU 140x33



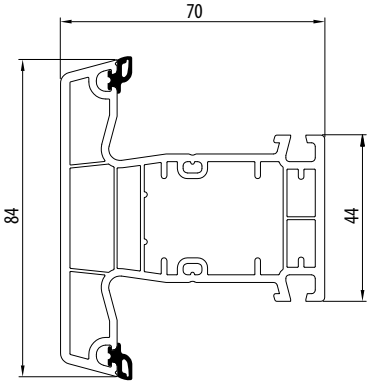

CL ALU 140x35



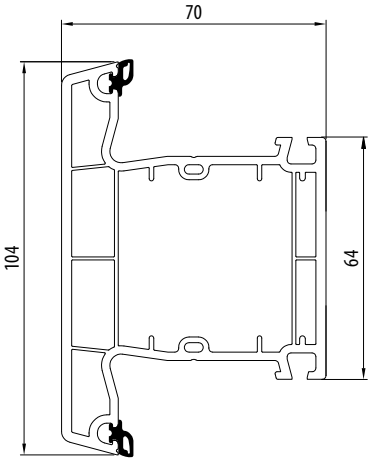

CL 140x37

1:2

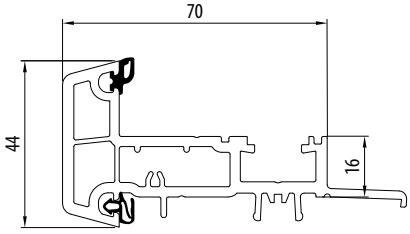
1:2



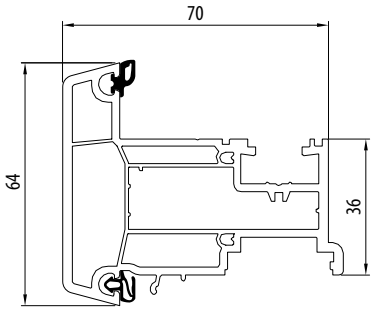

CL ALU 140x41



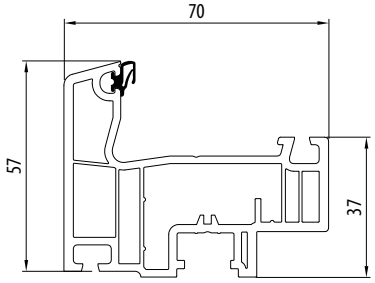

CL ALU 140x45



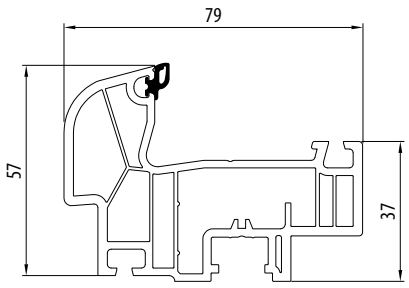

CL ALU 140x65



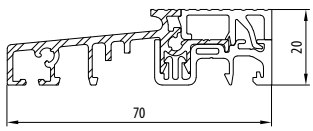

CL ALU 140x66




CL 140x76




RL 140x82

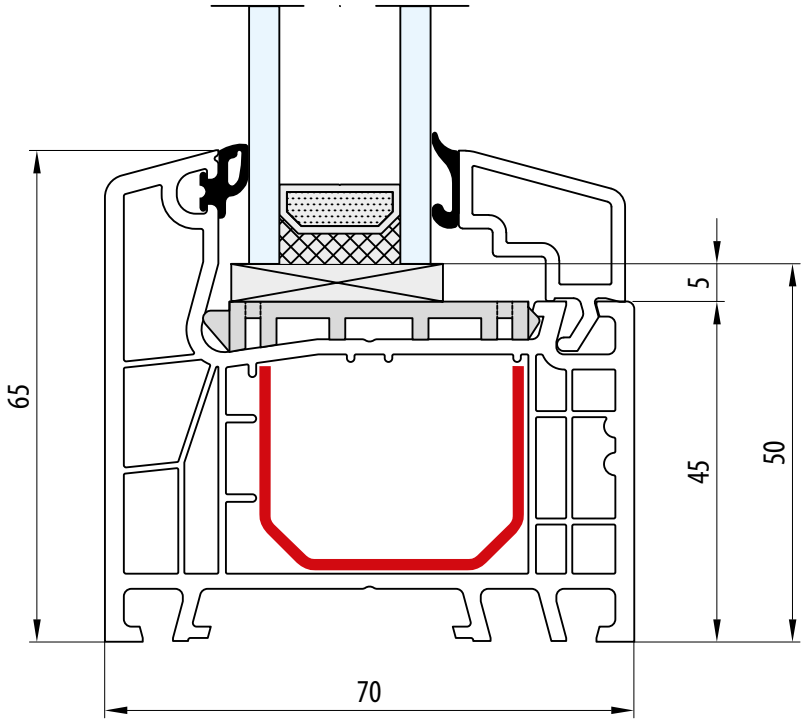



alu - 20 mm

1:2

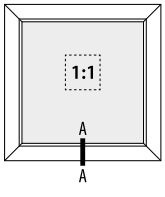
CL

SL
CL
RL



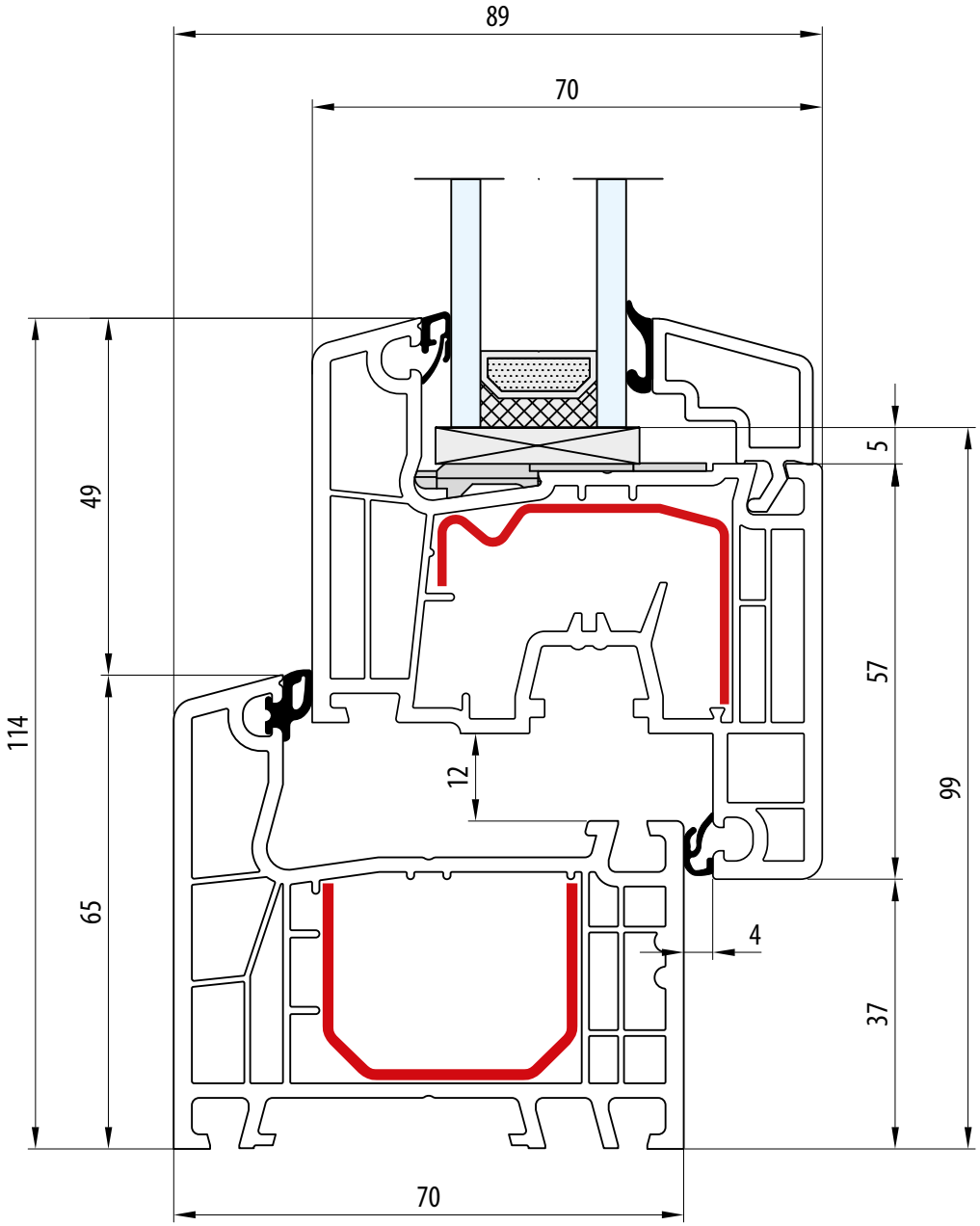

140x01

Rama: 65 mm
Dormant: 65 mm
Frame: 65 mm
Rahmen: 65 mm
Telaio: 65 mm
Kader: 65 mm

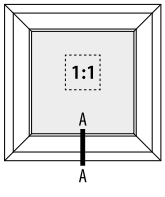


SL
CL

SL
CL
RL

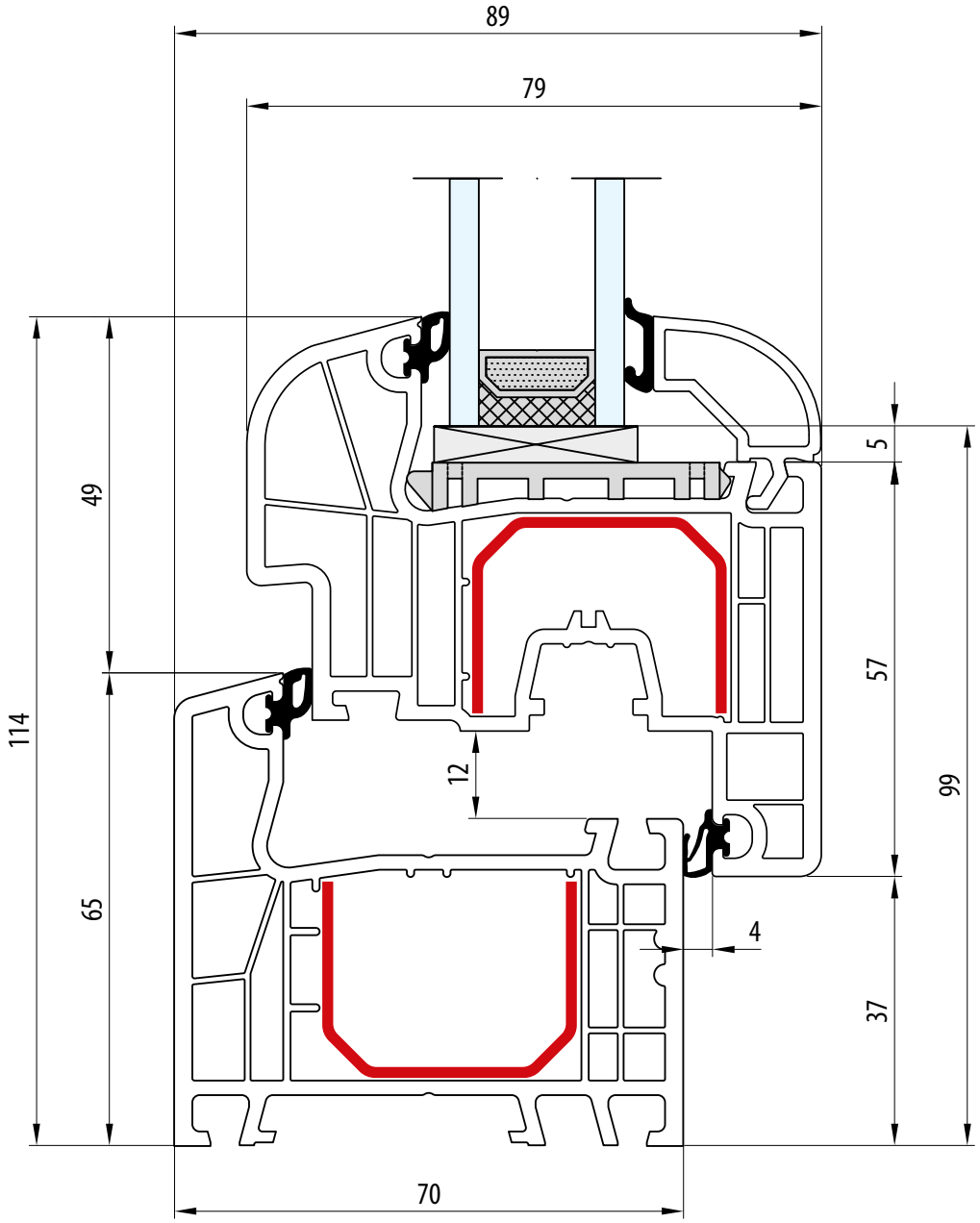



- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kader: 65 mm · Vleugel: 77 mm

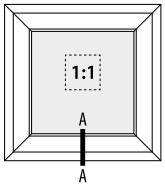


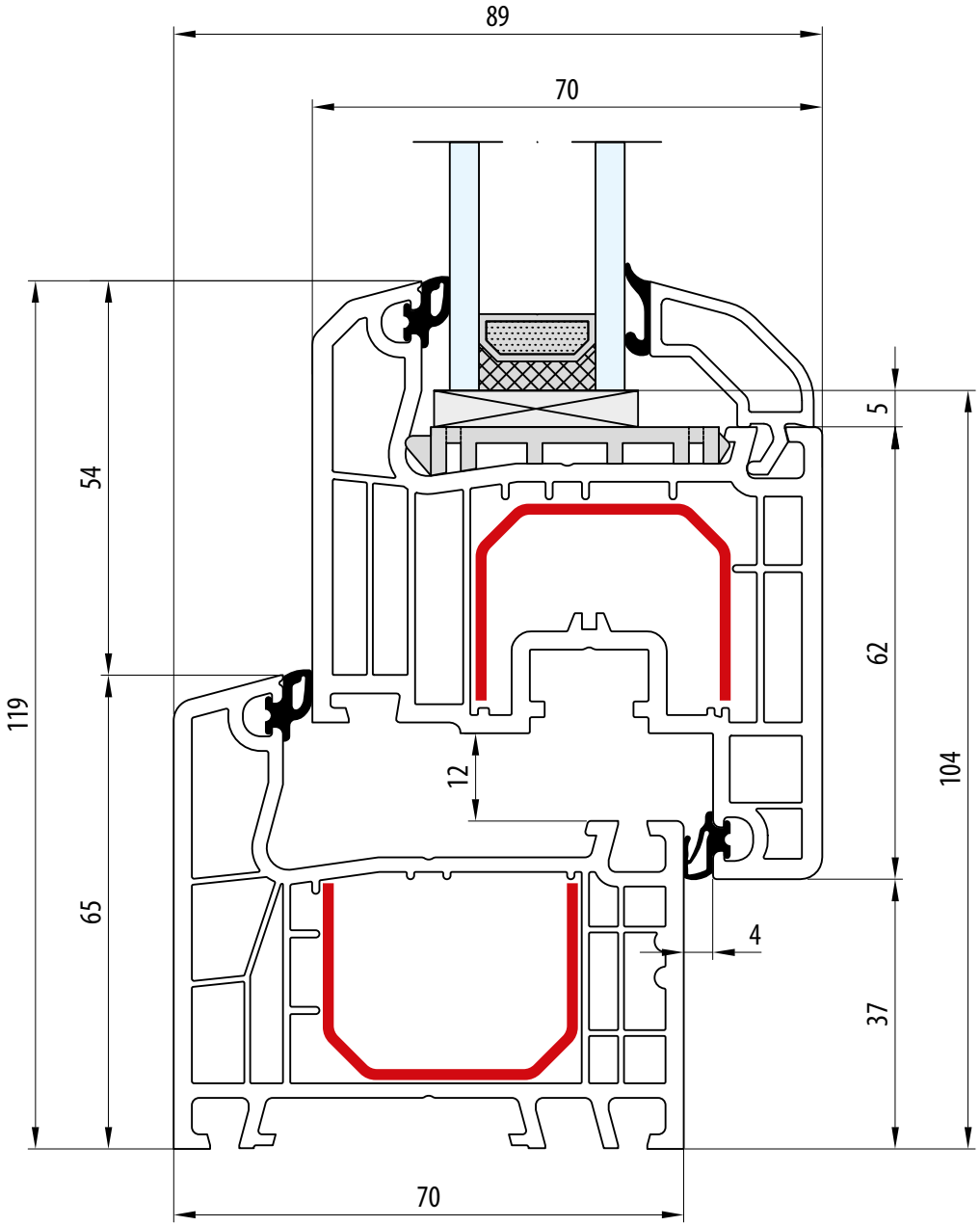
RL

SL
CL
RL

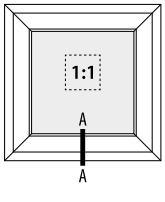



Rama: 65 mm · Skrzydło: 77 mm
Dormant: 65 mm · Vantail: 77 mm
Frame: 65 mm · Sash: 77 mm
Rahmen: 65 mm · Flügel: 77 mm
Telaio: 65 mm · Anta: 77 mm
Kader: 65 mm · Vleugel: 77 mm



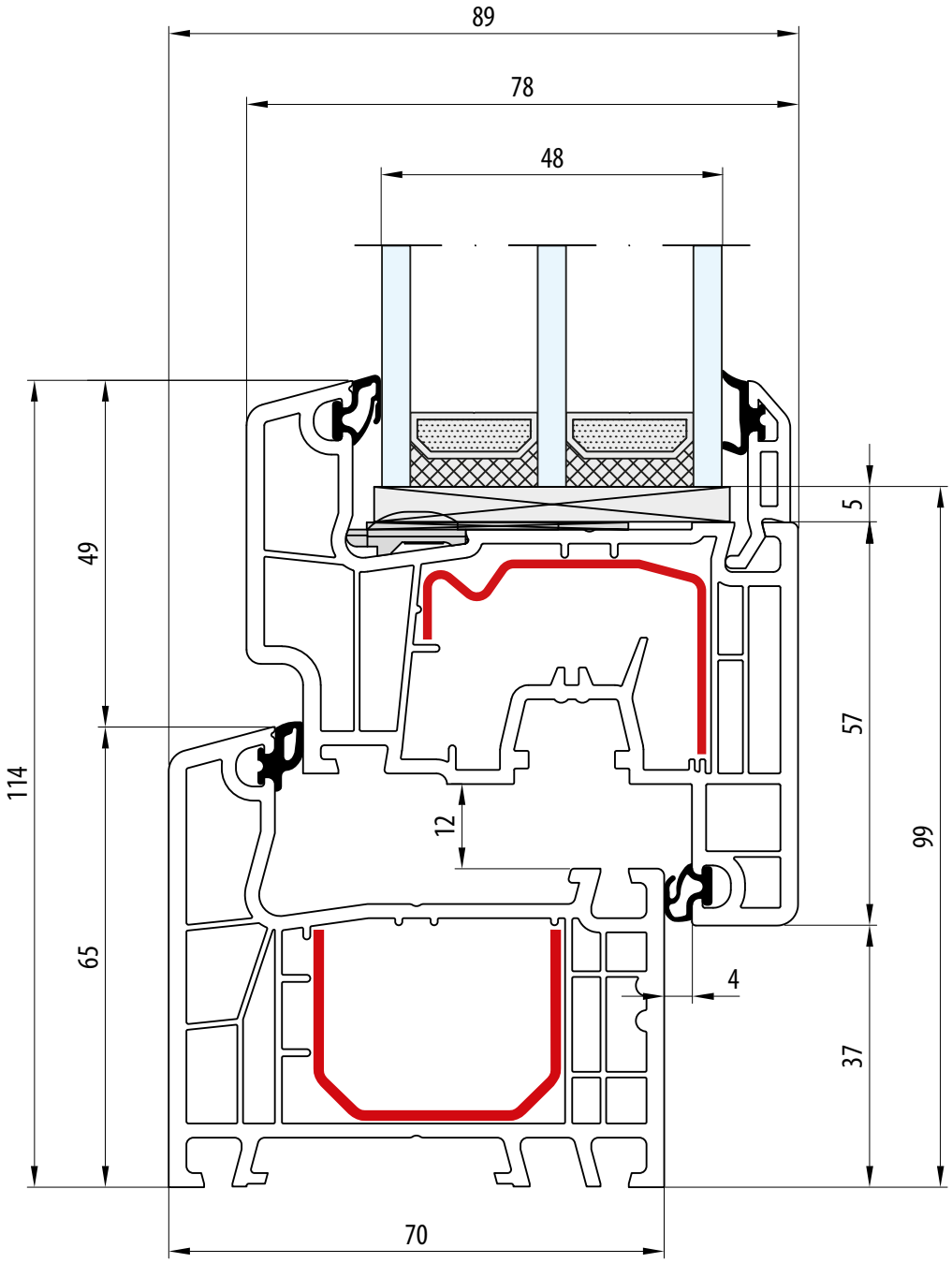



Rama: 65 mm · Skrzydło: 82 mm
Dormant: 65 mm · Vantail: 82 mm
Frame: 65 mm · Sash: 82 mm
Rahmen: 65 mm · Flügel: 82 mm
Telaio: 65 mm · Anta: 82 mm
Kader: 65 mm · Vleugel: 82 mm

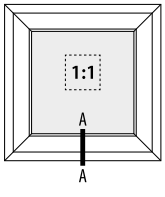


CL

SL
CL
RL

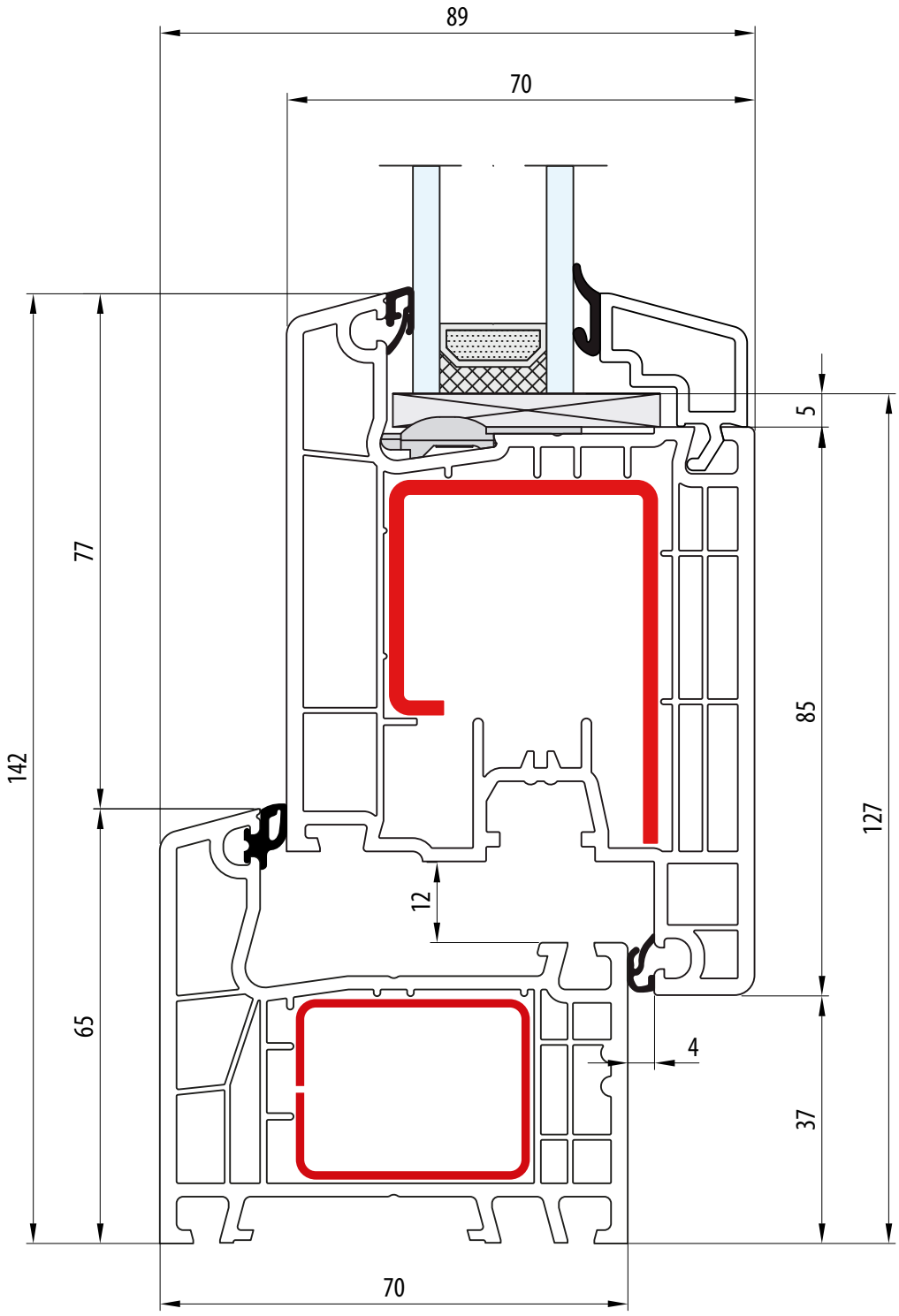



- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kader: 65 mm · Vleugel: 77 mm

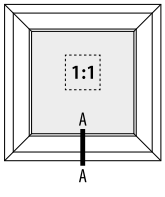


CL

SL
CL
RL

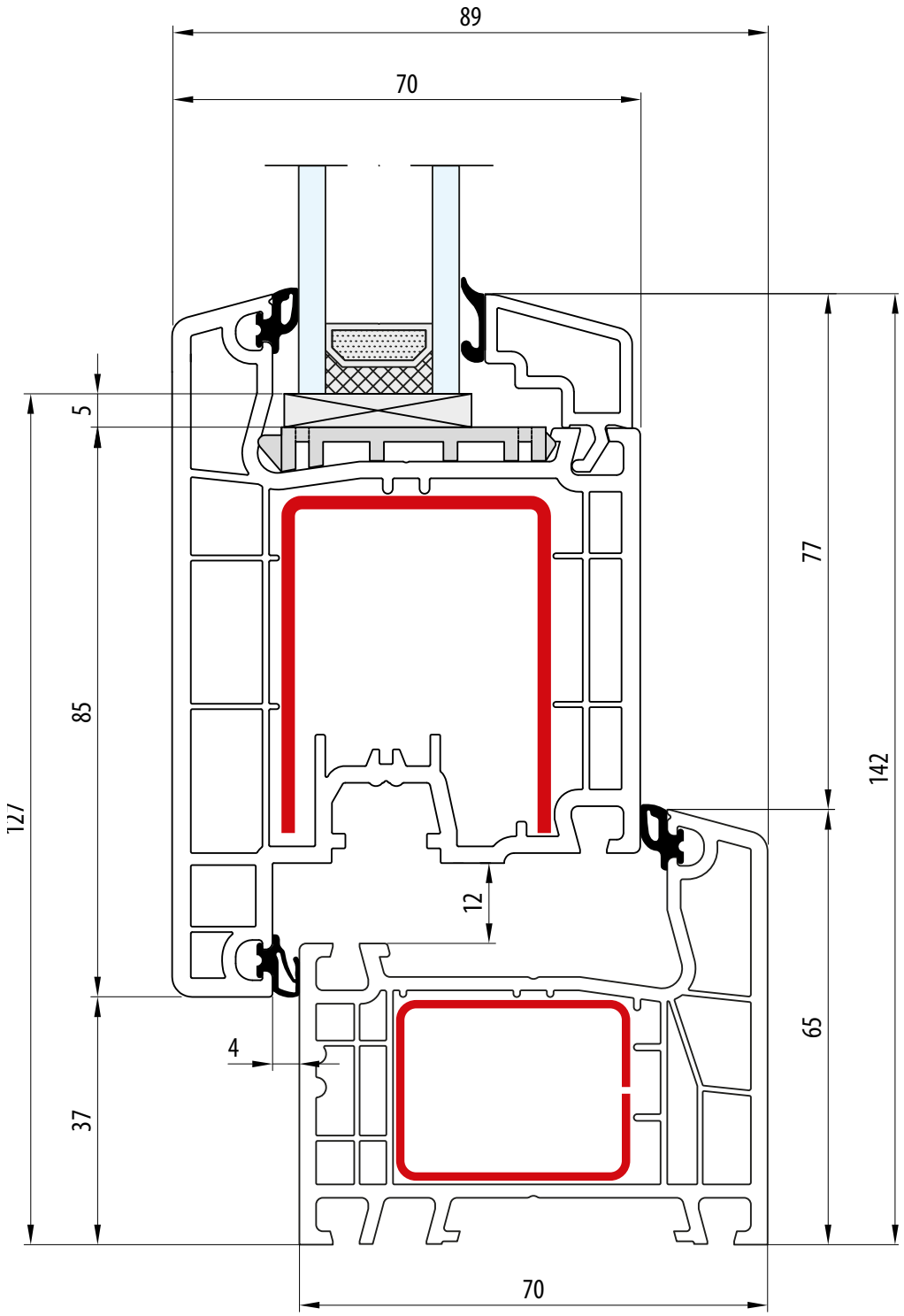



- Rama: 65 mm · Skrzydło: 105 mm
- Dormant: 65 mm · Vantail: 105 mm
- Frame: 65 mm · Sash: 105 mm
- Rahmen: 65 mm · Flügel: 105 mm
- Telaio: 65 mm · Anta: 105 mm
- Kader: 65 mm · Vleugel: 105 mm

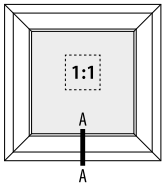


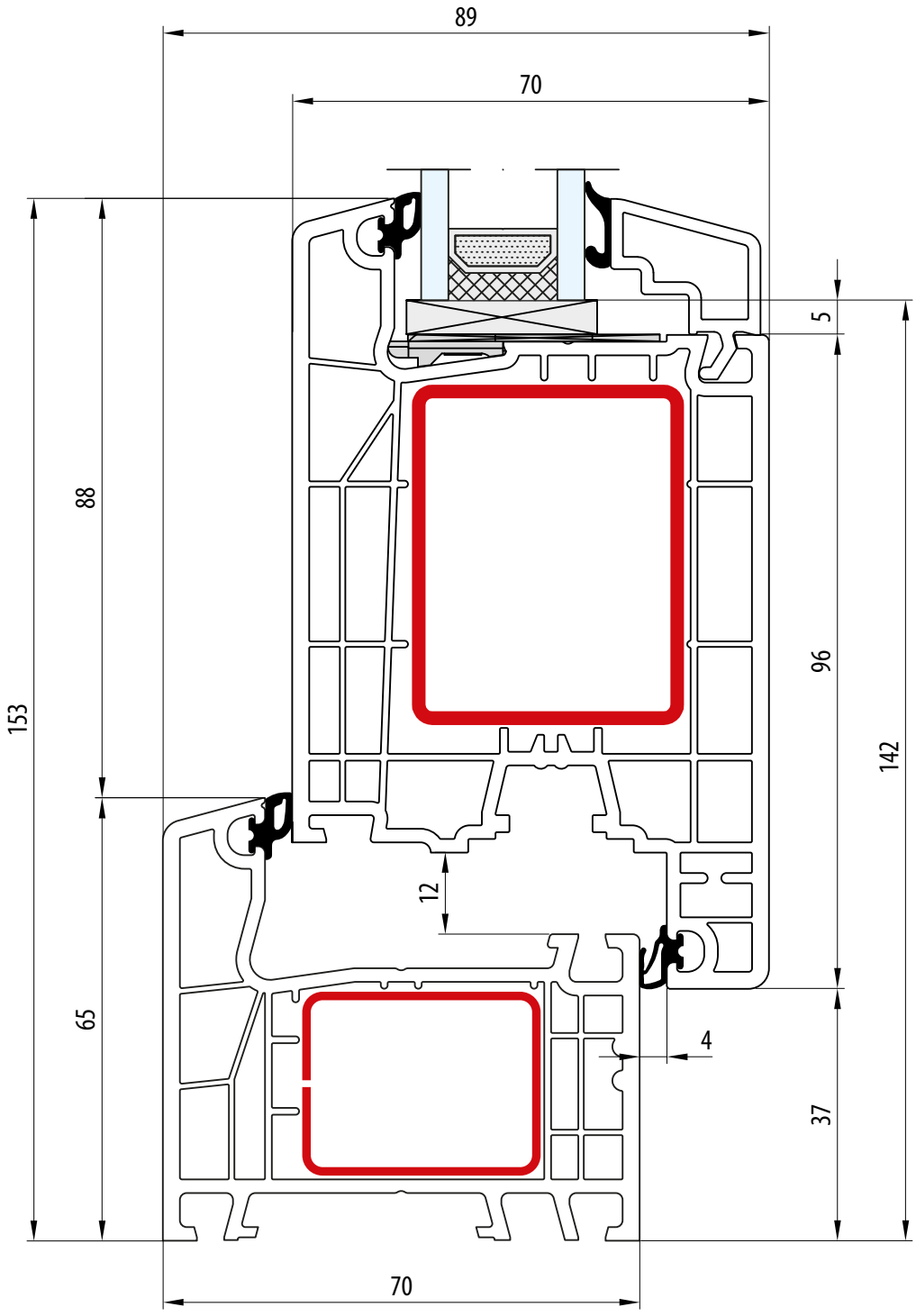
CL

SL
CL
RL

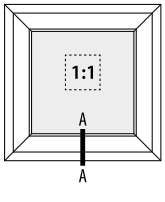



Rama: 65 mm · Skrzydło: 105 mm
Dormant: 65 mm · Vantail: 105 mm
Frame: 65 mm · Sash: 105 mm
Rahmen: 65 mm · Flügel: 105 mm
Telaio: 65 mm · Anta: 105 mm
Kader: 65 mm · Vleugel: 105 mm



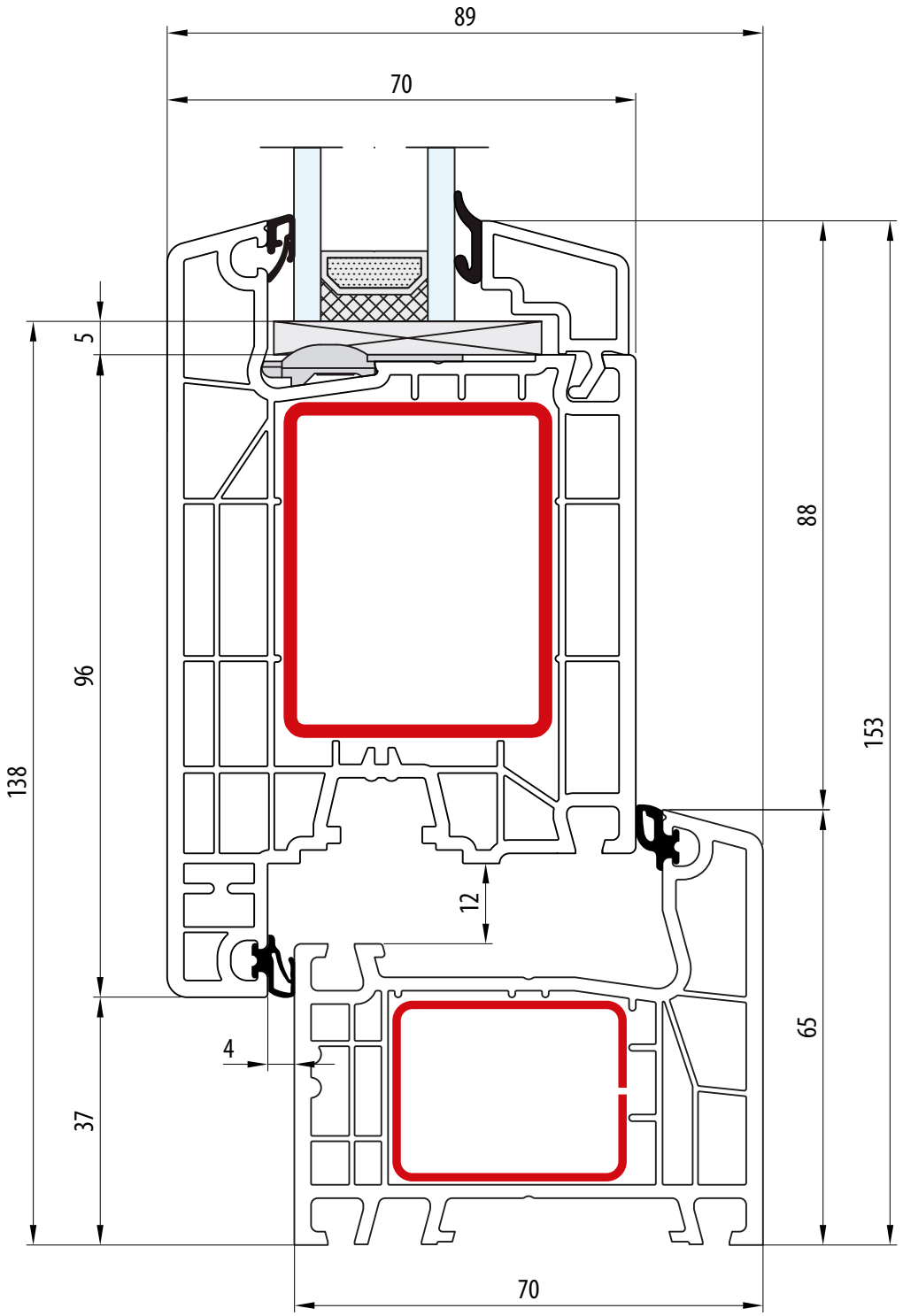



- Rama: 65 mm · Skrzydło: 116 mm
- Dormant: 65 mm · Vantail: 116 mm
- Frame: 65 mm · Sash: 116 mm
- Rahmen: 65 mm · Flügel: 116 mm
- Telaio: 65 mm · Anta: 116 mm
- Kader: 65 mm · Vleugel: 116 mm

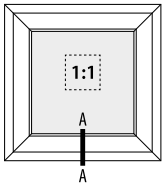


CL

SL
CL
RL

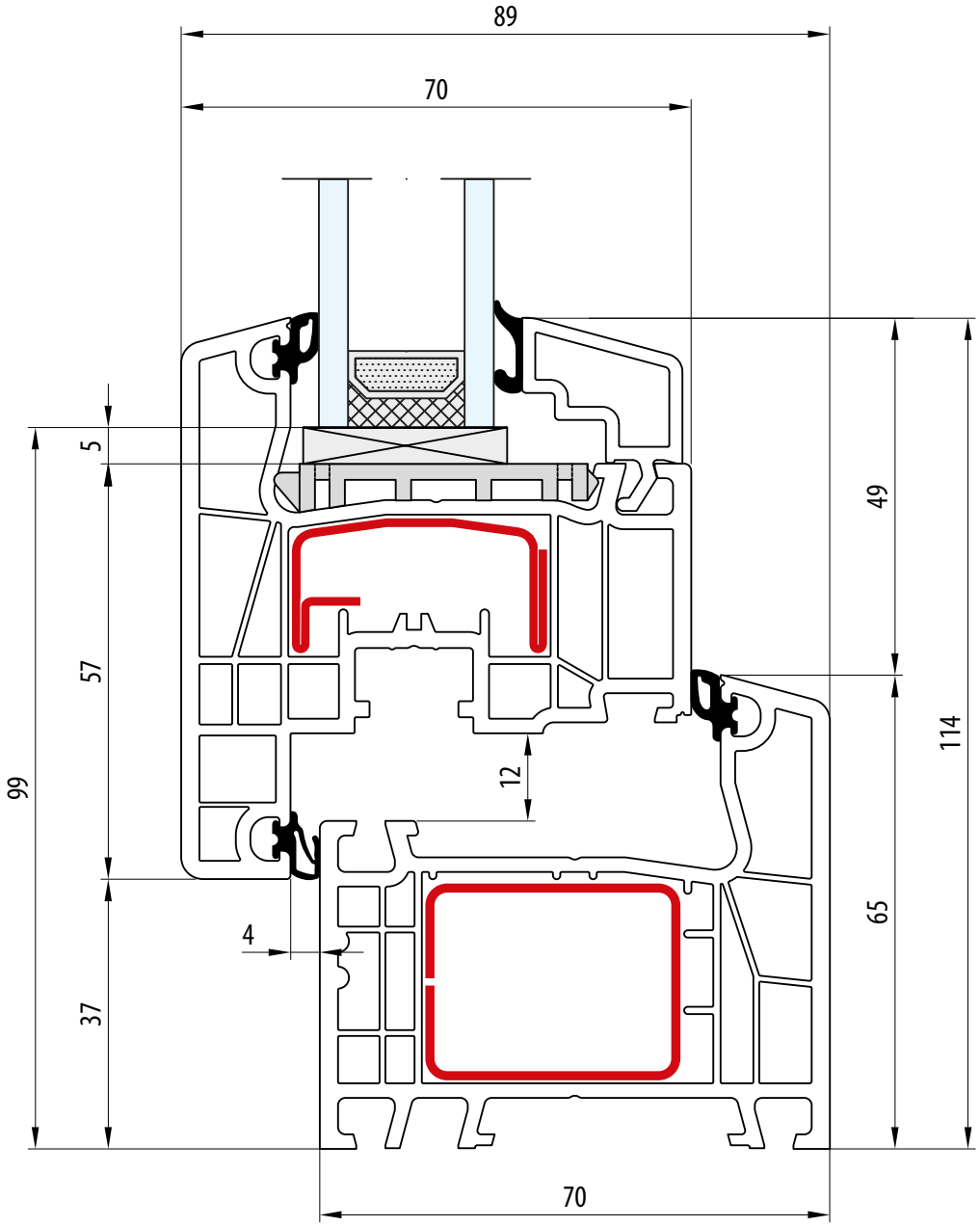



Rama: 65 mm · Skrzydło: 120 mm
Dormant: 65 mm · Vantail: 120 mm
Frame: 65 mm · Sash: 120 mm
Rahmen: 65 mm · Flügel: 120 mm
Telaio: 65 mm · Anta: 120 mm
Kader: 65 mm · Vleugel: 120 mm

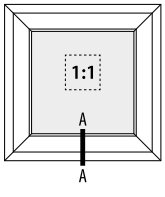


CL

SL CL RL

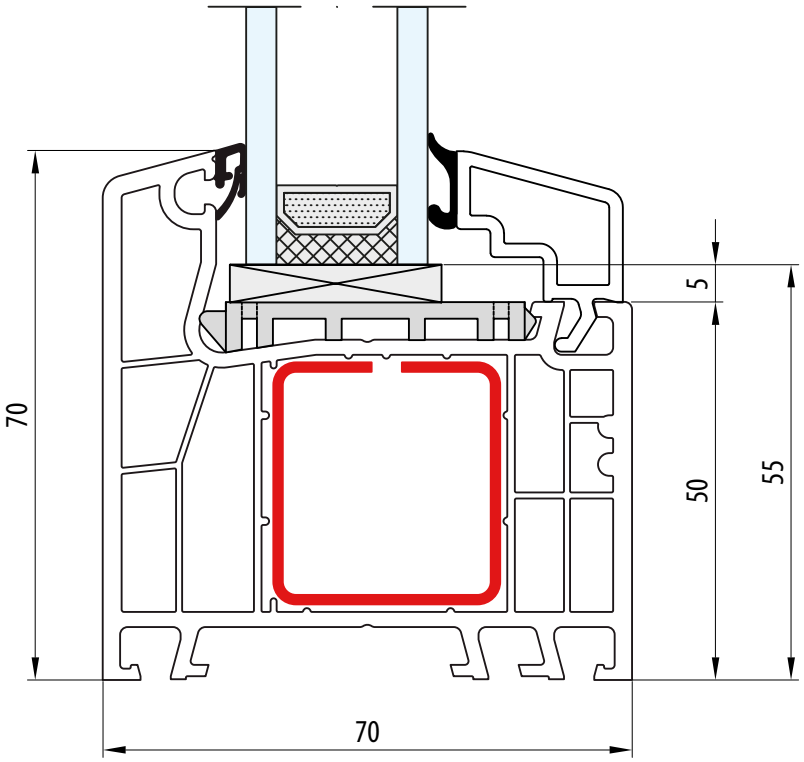



- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kader: 65 mm · Vleugel: 77 mm



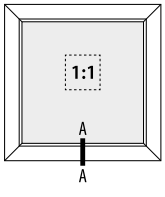
CL

SL
CL
RL



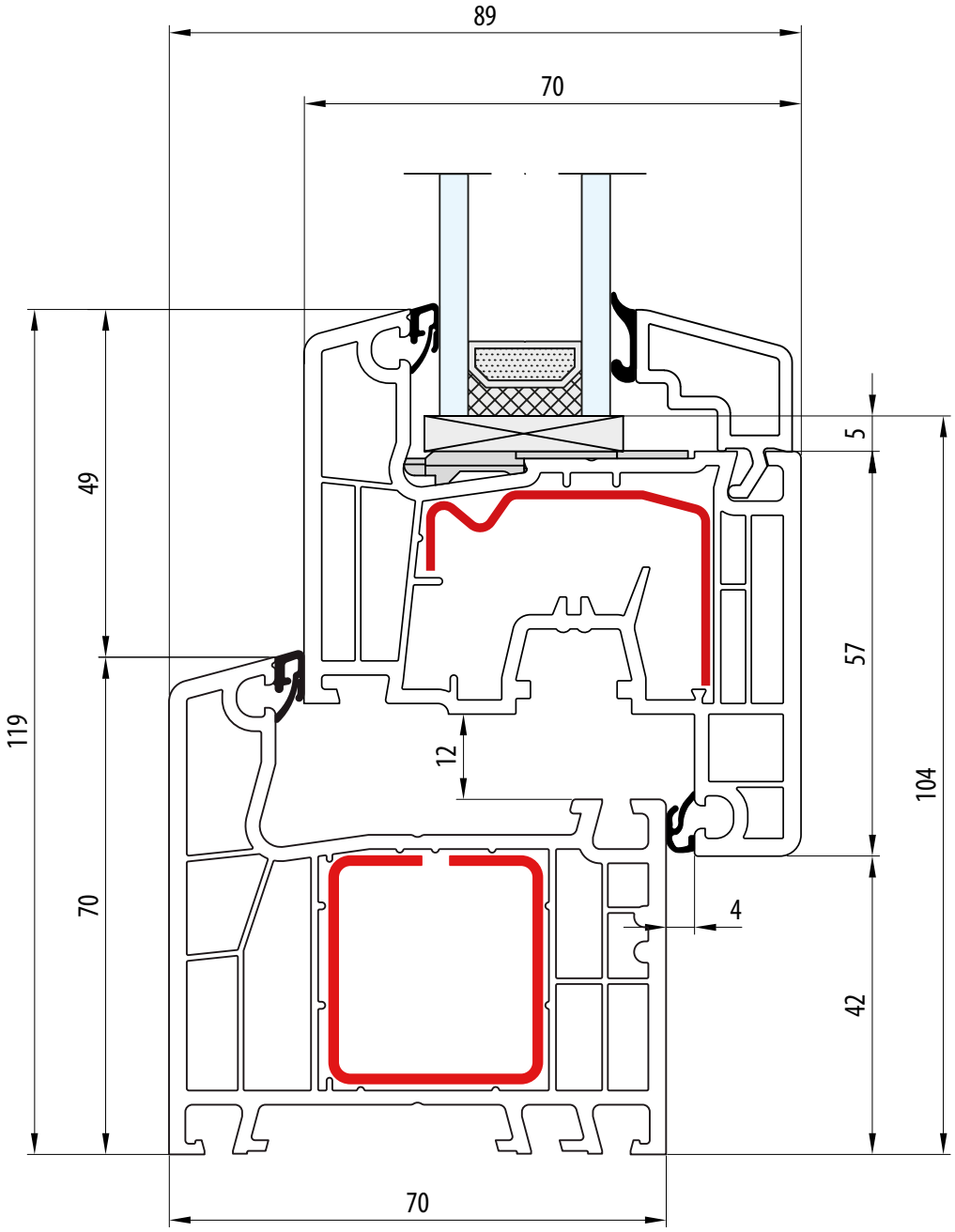

140x07

Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kader: 70 mm

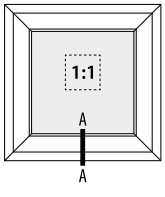


SL
CL

SL
CL
RL

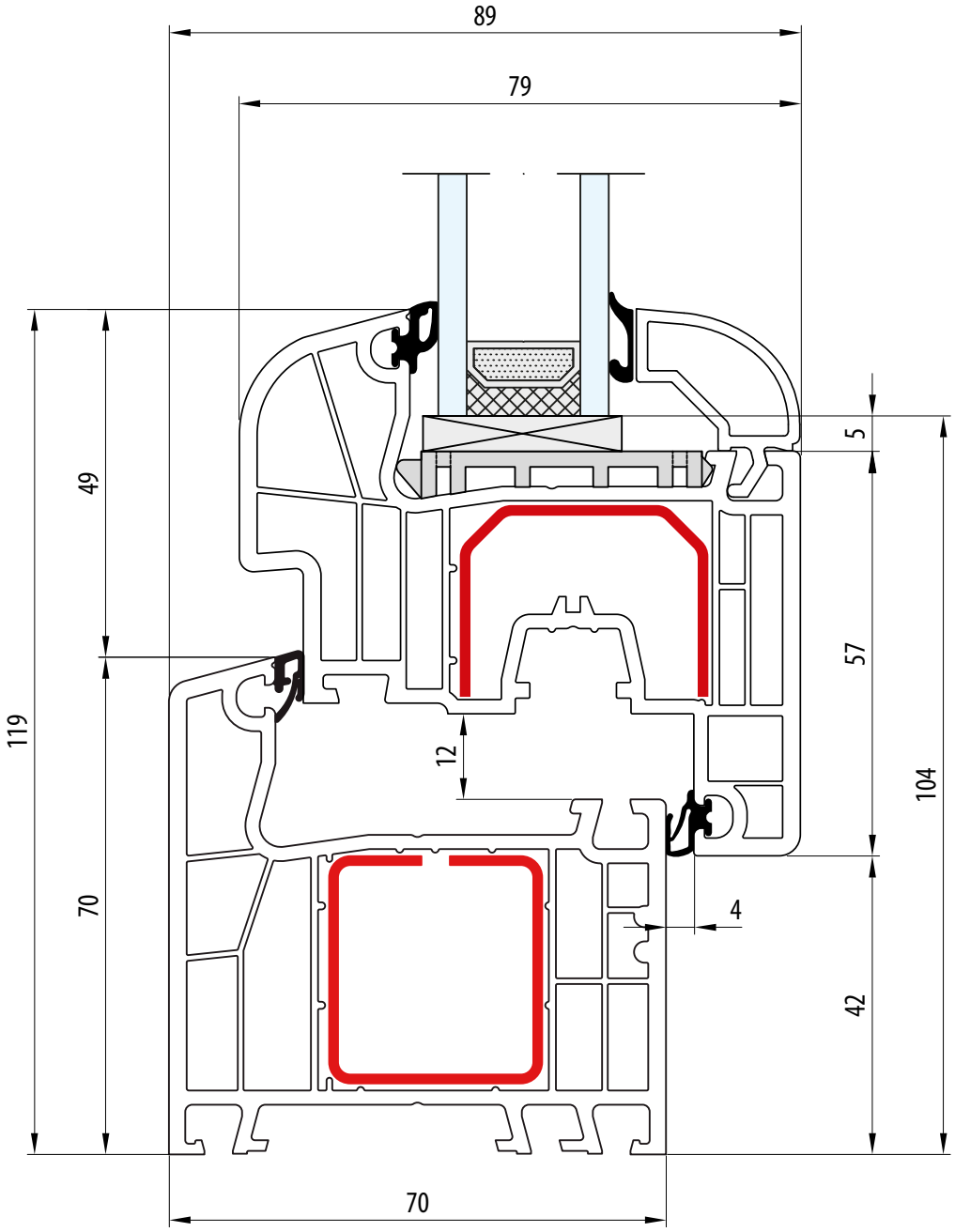



Rama: 70 mm · Skrzydło: 77 mm
Dormant: 70 mm · Vantail: 77 mm
Frame: 70 mm · Sash: 77 mm
Rahmen: 70 mm · Flügel: 77 mm
Telaio: 70 mm · Anta: 77 mm
Kader: 70 mm · Vleugel: 77 mm

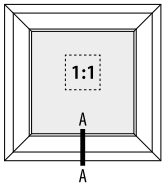


RL

SL
CL
RL

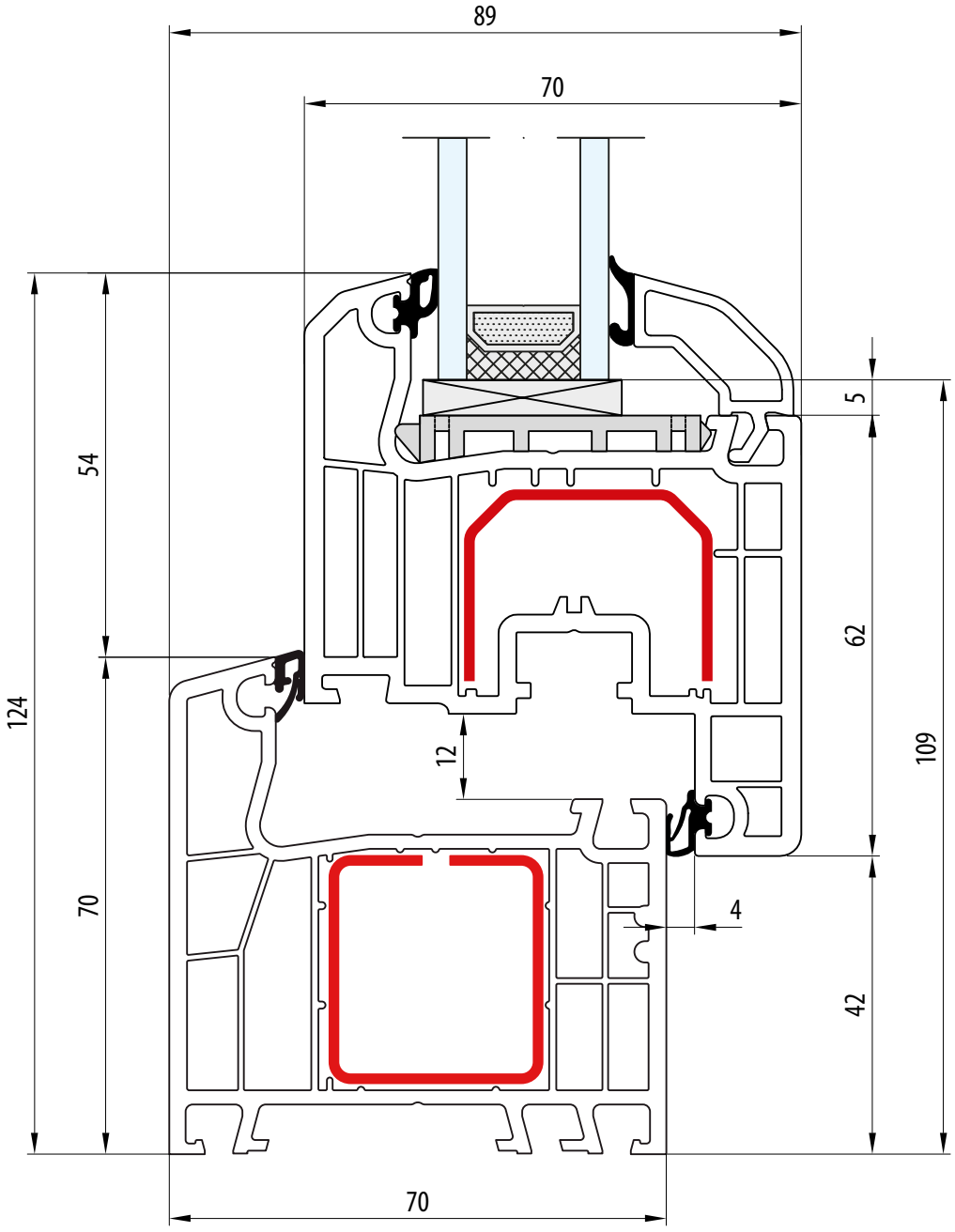



Rama: 70 mm · Skrzydło: 77 mm
Dormant: 70 mm · Vantail: 77 mm
Frame: 70 mm · Sash: 77 mm
Rahmen: 70 mm · Flügel: 77 mm
Telaio: 70 mm · Anta: 77 mm
Kader: 70 mm · Vleugel: 77 mm

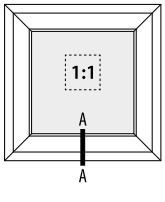


SL

SL
CL
RL

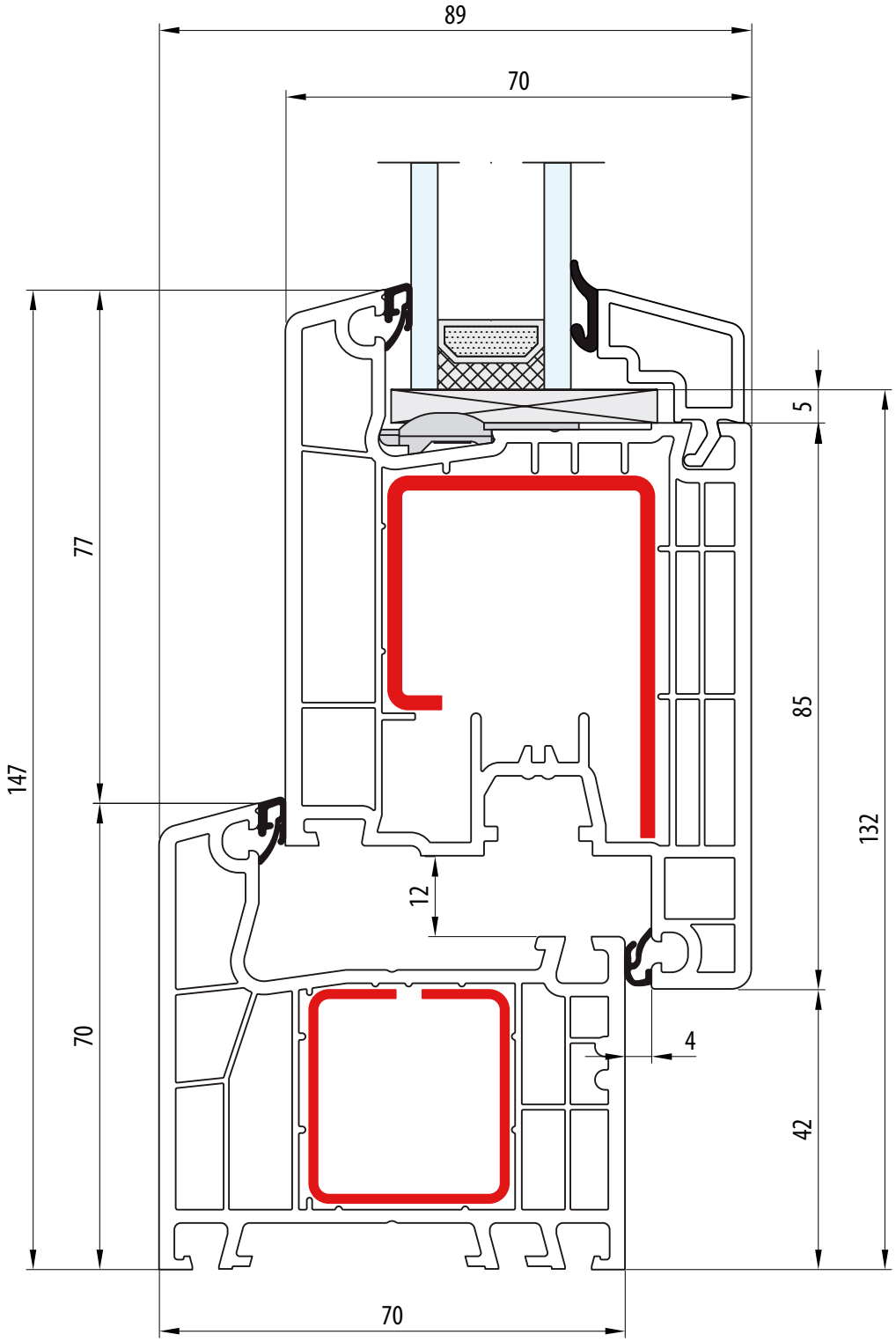



- Rama: 70 mm · Skrzydło: 82 mm
- Dormant: 70 mm · Vantail: 82 mm
- Frame: 70 mm · Sash: 82 mm
- Rahmen: 70 mm · Flügel: 82 mm
- Telaio: 70 mm · Anta: 82 mm
- Kader: 70 mm · Vleugel: 82 mm



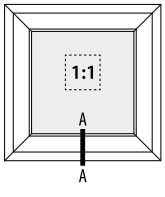
CL

SL
CL
RL



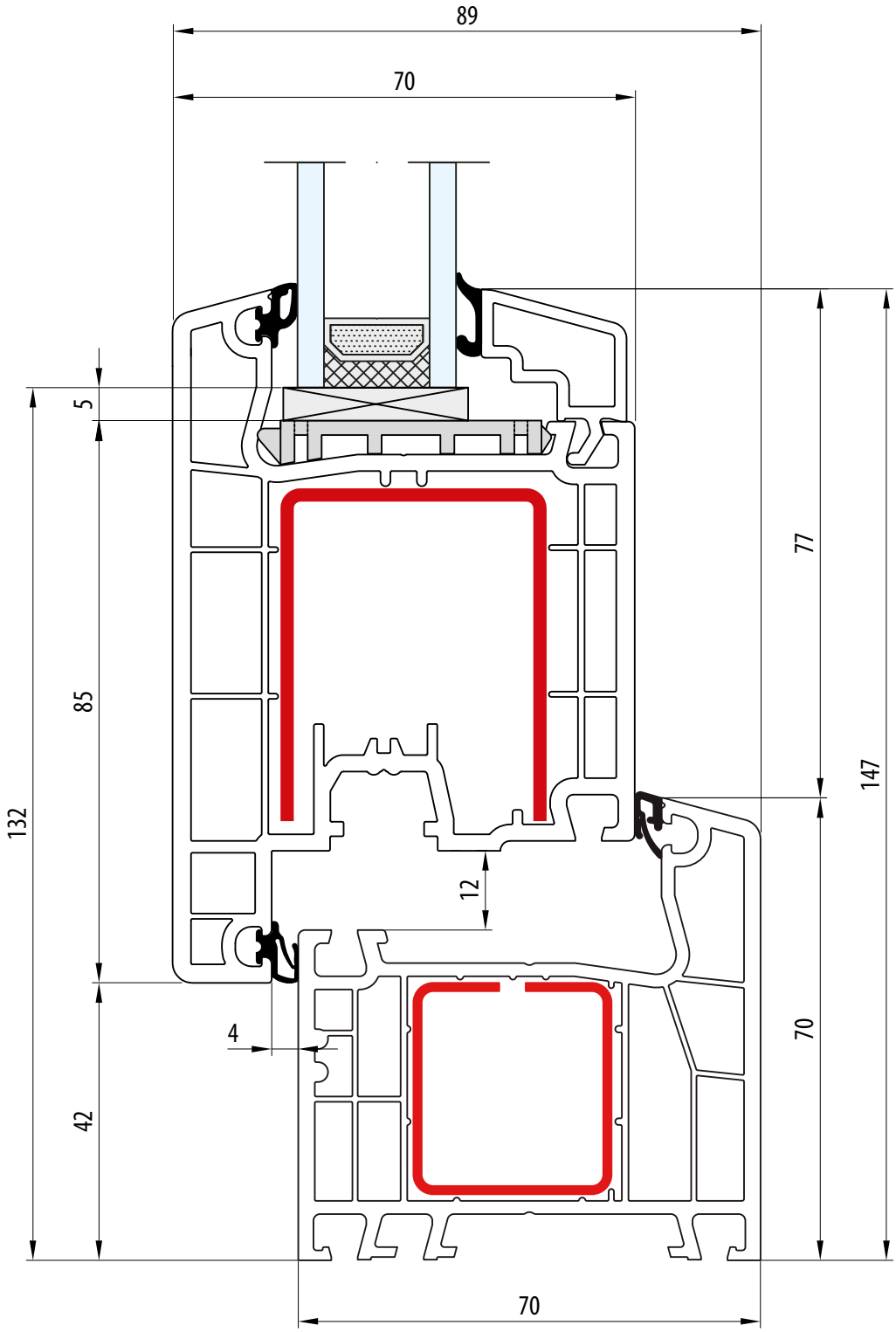

140x07 - 140x30

Rama: 70 mm · Skrzydło: 105 mm
Dormant: 70 mm · Vantail: 105 mm
Frame: 70 mm · Sash: 105 mm
Rahmen: 70 mm · Flügel: 105 mm
Telaio: 70 mm · Anta: 105 mm
Kader: 70 mm · Vleugel: 105 mm

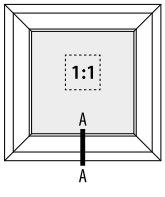


CL

SL
CL
RL

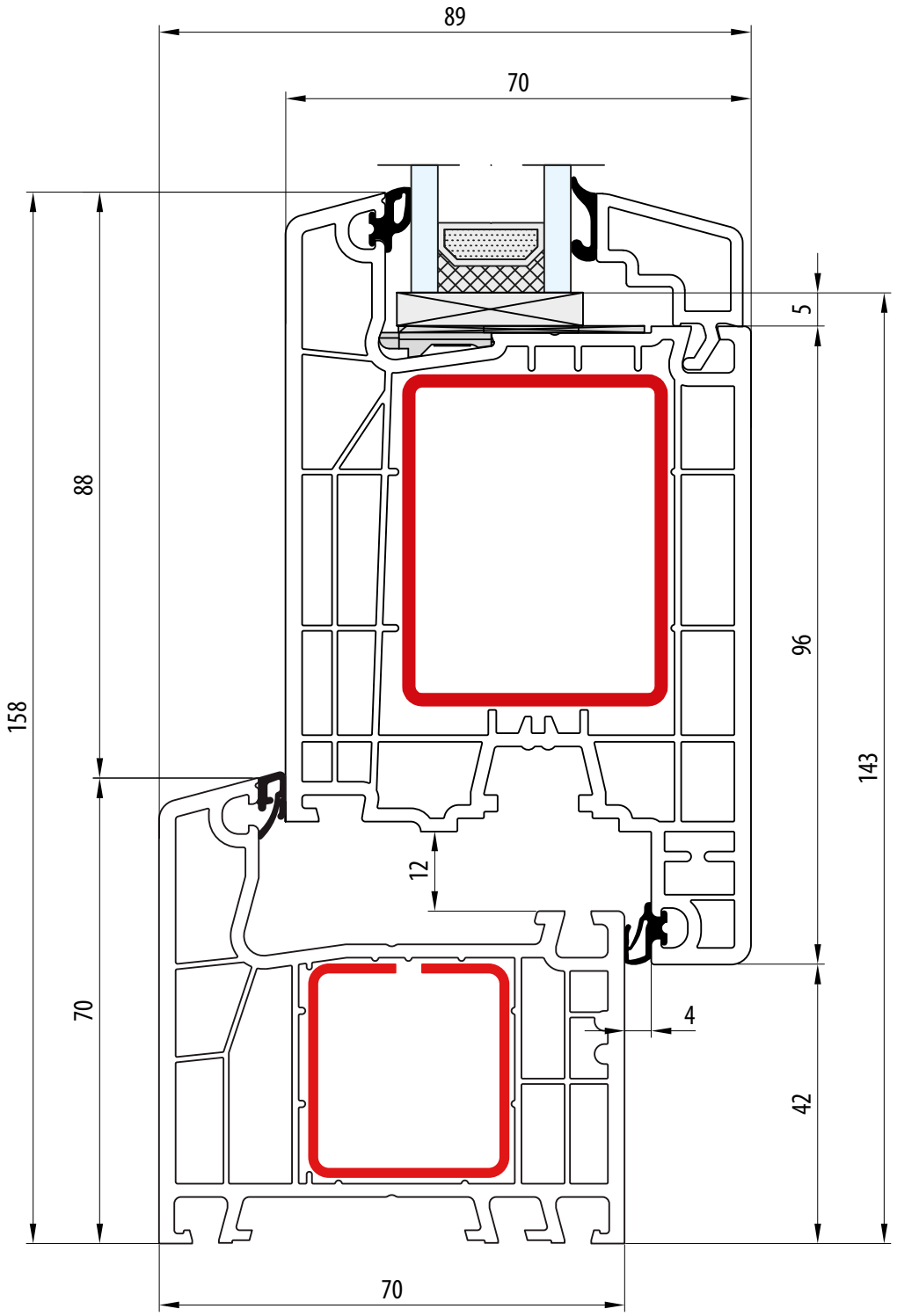



- Rama: 70 mm · Skrzydło: 105 mm
- Dormant: 70 mm · Vantail: 105 mm
- Frame: 70 mm · Sash: 105 mm
- Rahmen: 70 mm · Flügel: 105 mm
- Telaio: 70 mm · Anta: 105 mm
- Kader: 70 mm · Vleugel: 105 mm



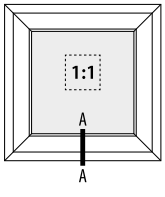
CL

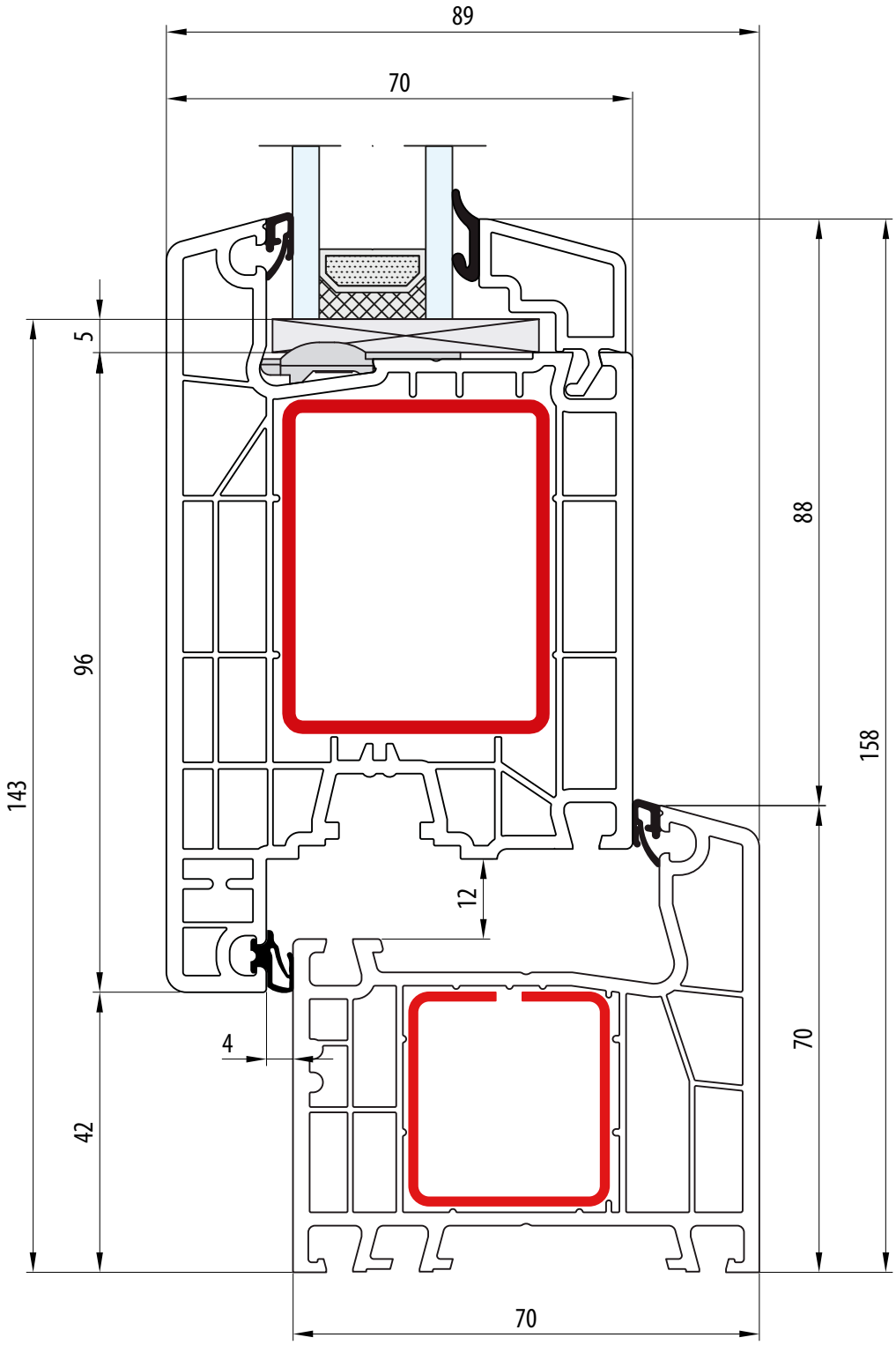
SL
CL
RL



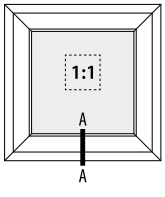



Rama: 70 mm · Skrzydło: 116 mm
Dormant: 70 mm · Vantail: 116 mm
Frame: 70 mm · Sash: 116 mm
Rahmen: 70 mm · Flügel: 116 mm
Telaio: 70 mm · Anta: 116 mm
Kader: 70 mm · Vleugel: 116 mm



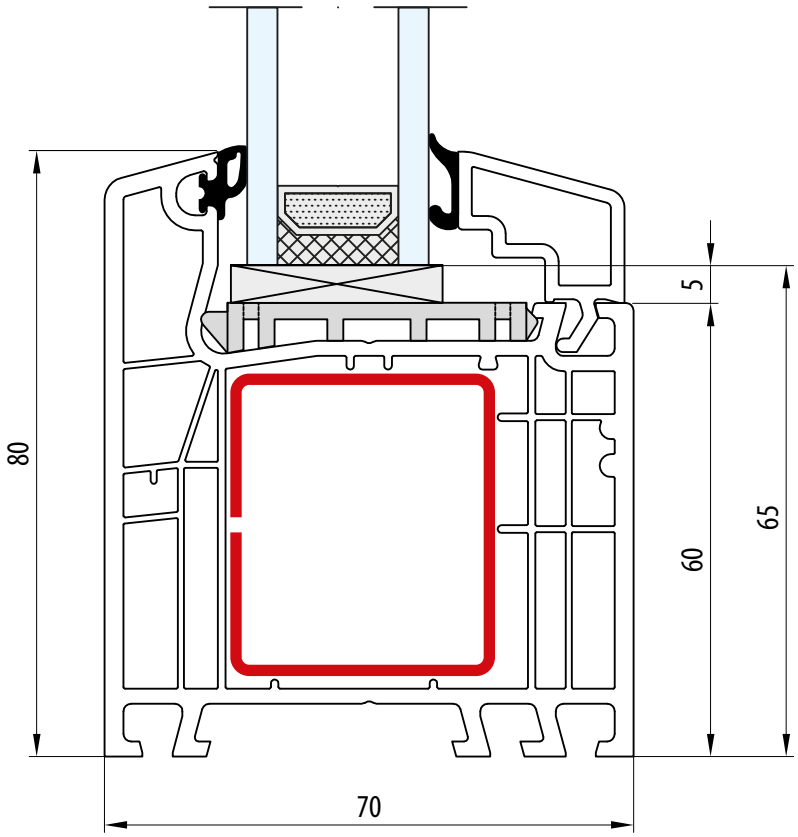



- Rama: 70 mm · Skrzydło: 120 mm
- Dormant: 70 mm · Vantail: 120 mm
- Frame: 70 mm · Sash: 120 mm
- Rahmen: 70 mm · Flügel: 120 mm
- Telaio: 70 mm · Anta: 120 mm
- Kader: 70 mm · Vleugel: 120 mm

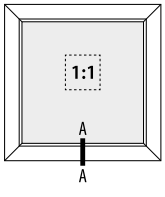


CL

SL
CL
RL

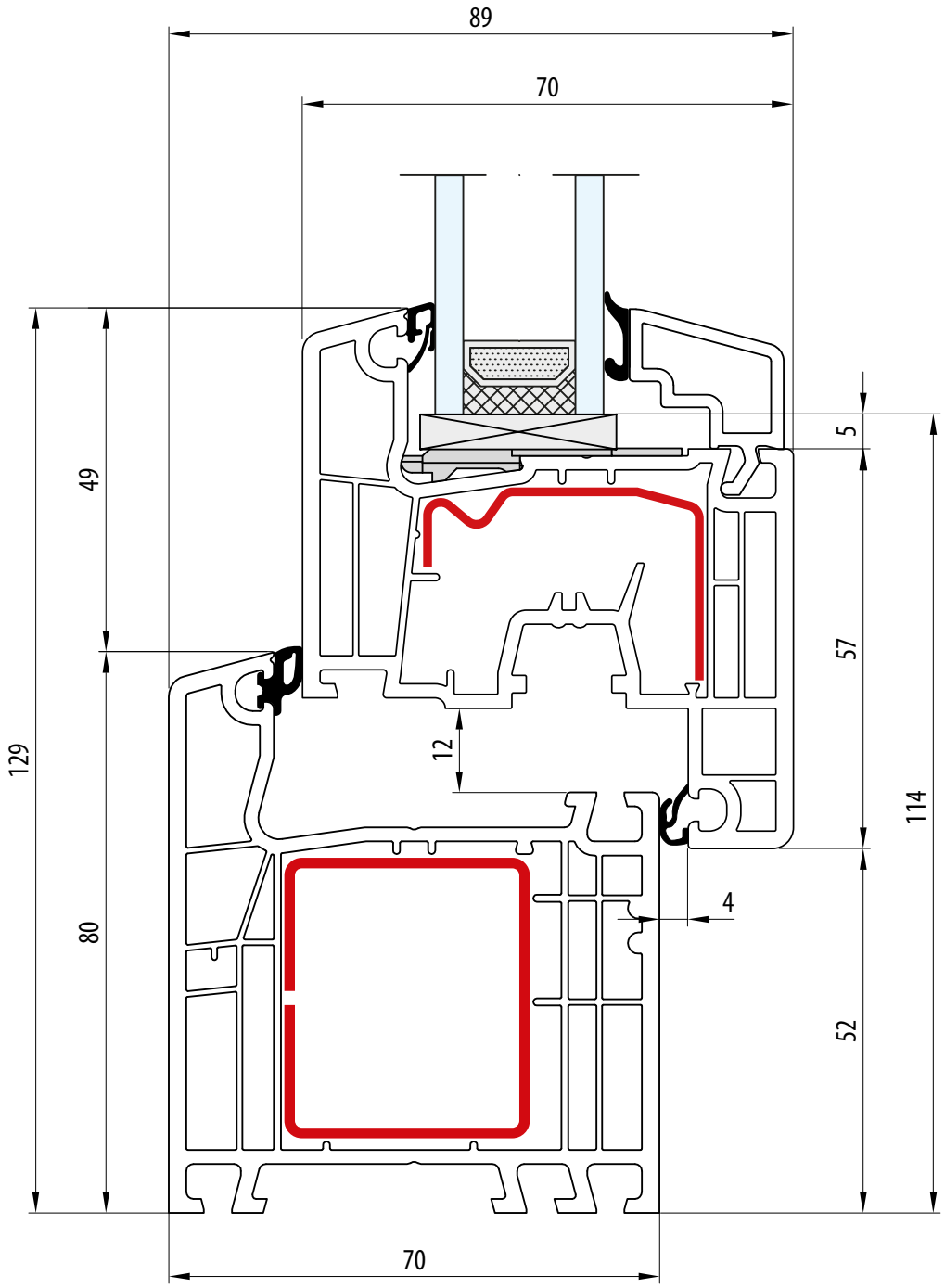



Rama: 80 mm
Dormant: 80 mm
Frame: 80 mm
Rahmen: 80 mm
Telaio: 80 mm
Kader: 80 mm

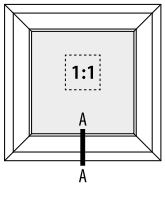


SL
CL

SL
CL
RL

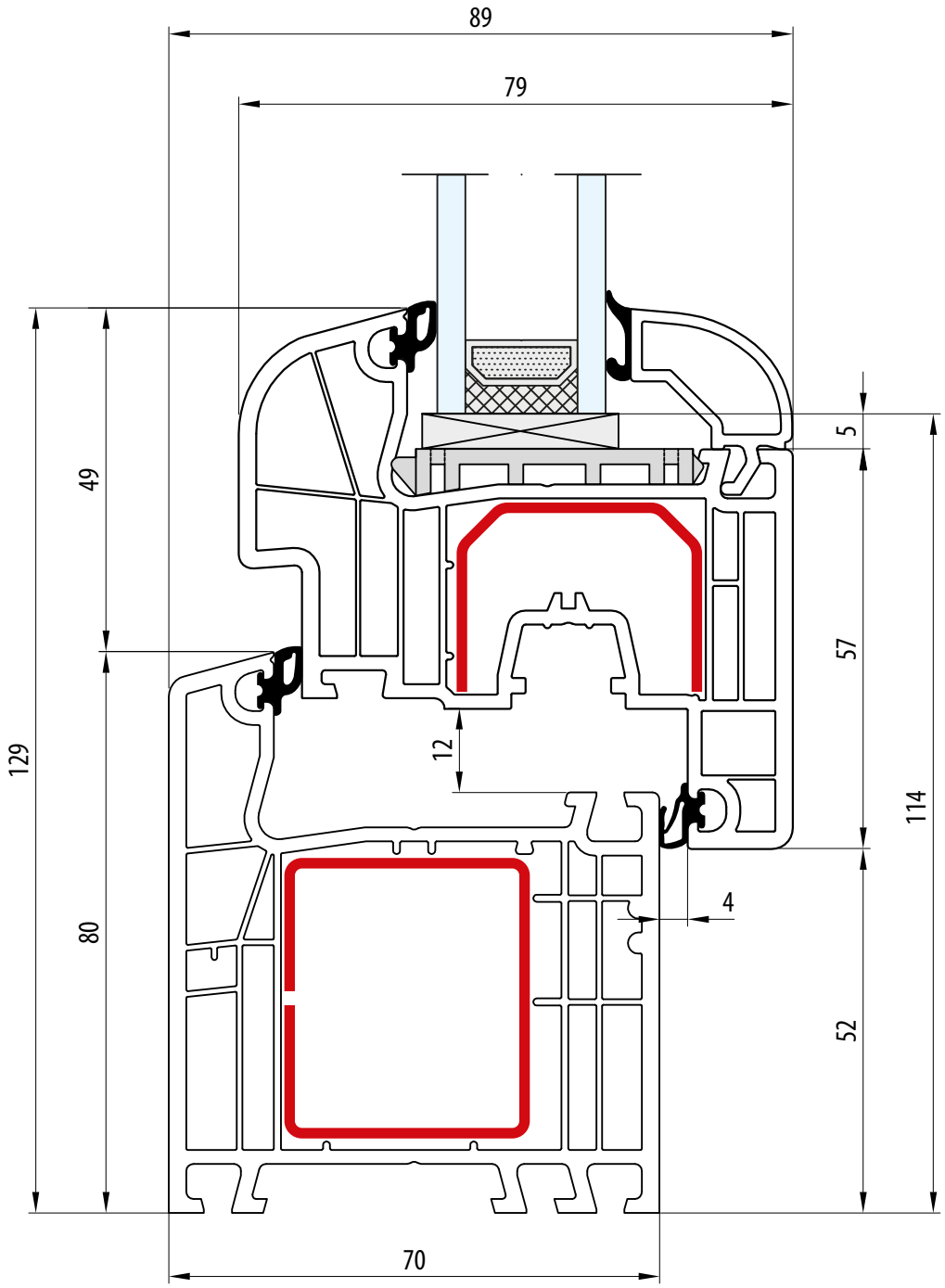



- Rama: 80 mm · Skrzydło: 77 mm
- Dormant: 80 mm · Vantail: 77 mm
- Frame: 80 mm · Sash: 77 mm
- Rahmen: 80 mm · Flügel: 77 mm
- Telaio: 80 mm · Anta: 77 mm
- Kader: 80 mm · Vleugel: 77 mm



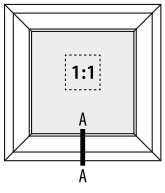
RL

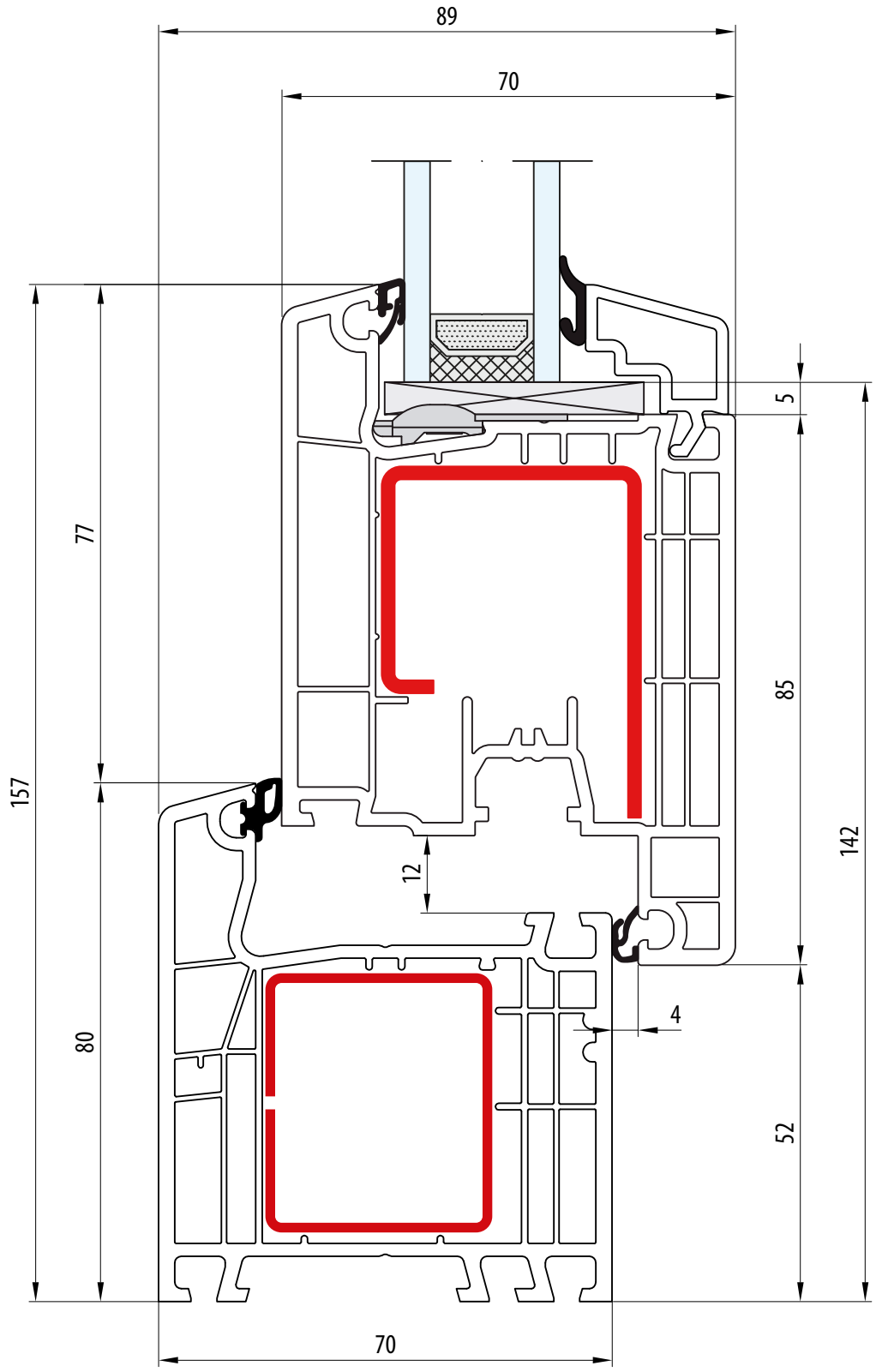
SL
CL
RL



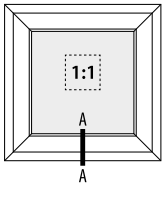



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm



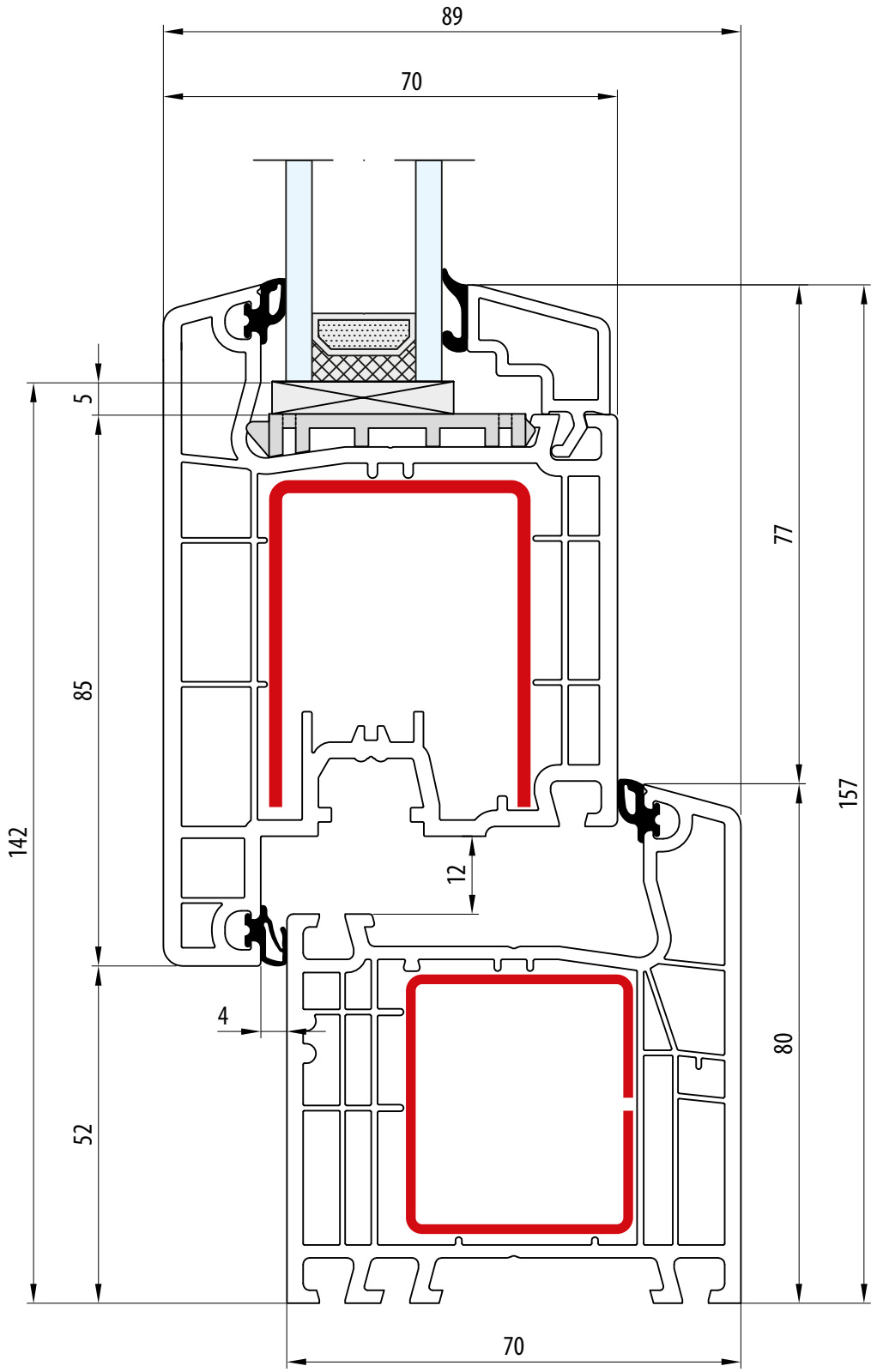



- Rama: 80 mm · Skrzydło: 105 mm
- Dormant: 80 mm · Vantail: 105 mm
- Frame: 80 mm · Sash: 105 mm
- Rahmen: 80 mm · Flügel: 105 mm
- Telaio: 80 mm · Anta: 105 mm
- Kader: 80 mm · Vleugel: 105 mm



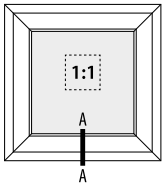
CL

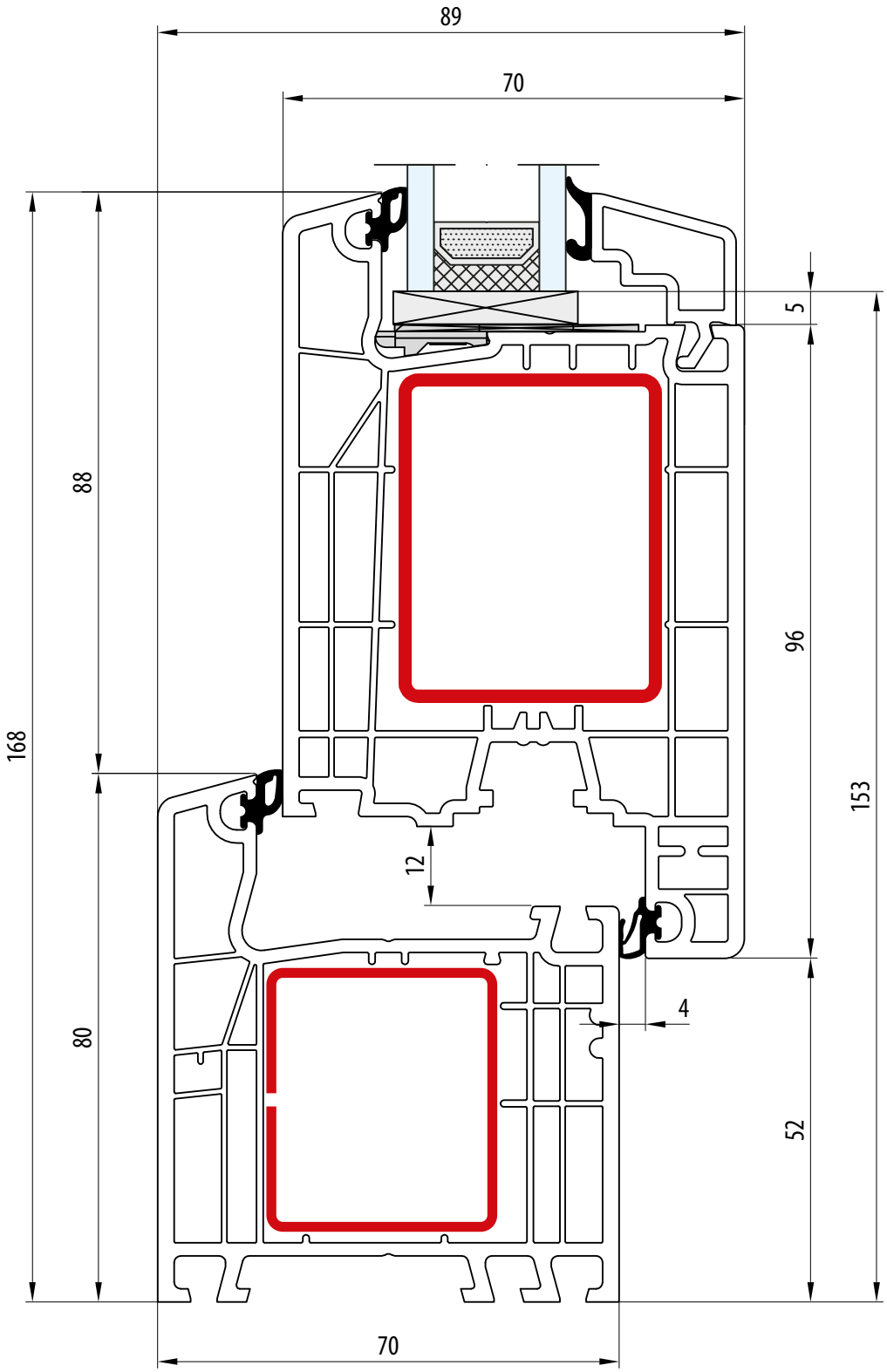
SL
CL
RL



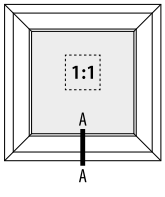

140x03 - 140x31

Rama: 80 mm · Skrzydło: 105 mm
Dormant: 80 mm · Vantail: 105 mm
Frame: 80 mm · Sash: 105 mm
Rahmen: 80 mm · Flügel: 105 mm
Telaio: 80 mm · Anta: 105 mm
Kader: 80 mm · Vleugel: 105 mm



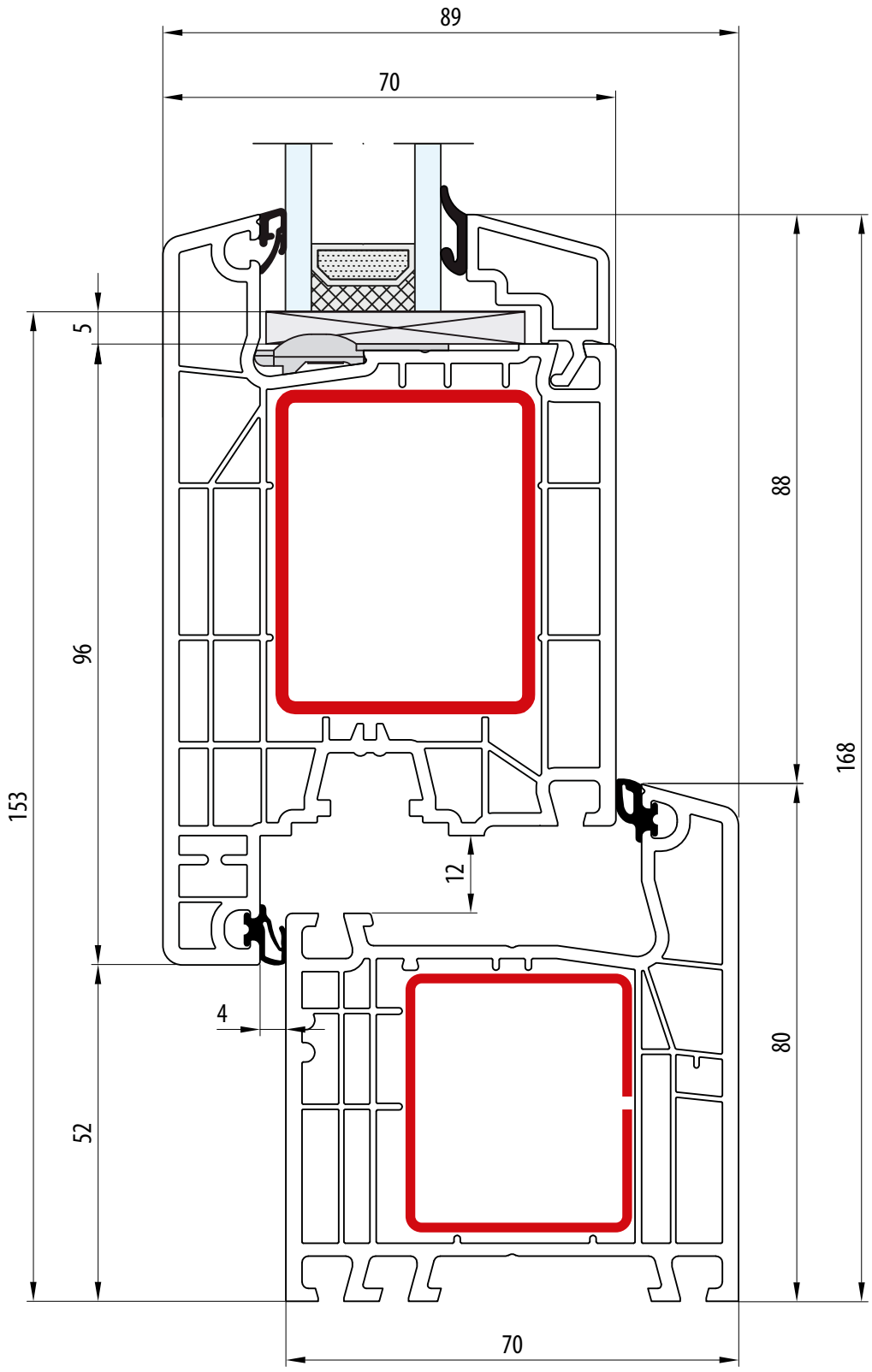



- Rama: 80 mm · Skrzydło: 116 mm
- Dormant: 80 mm · Vantail: 116 mm
- Frame: 80 mm · Sash: 116 mm
- Rahmen: 80 mm · Flügel: 116 mm
- Telaio: 80 mm · Anta: 116 mm
- Kader: 80 mm · Vleugel: 116 mm

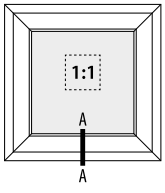


CL

SL
CL
RL

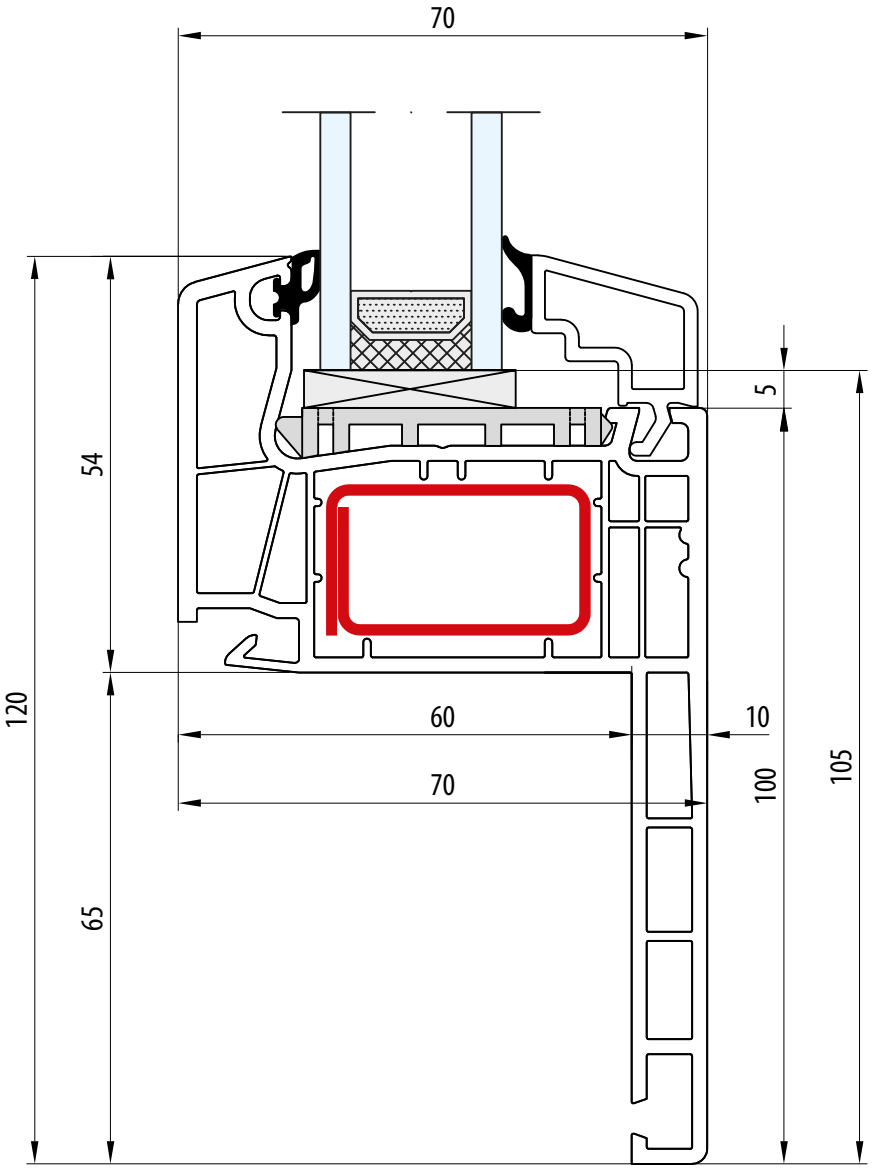



- Rama: 80 mm · Skrzydło: 120 mm
- Dormant: 80 mm · Vantail: 120 mm
- Frame: 80 mm · Sash: 120 mm
- Rahmen: 80 mm · Flügel: 120 mm
- Telaio: 80 mm · Anta: 120 mm
- Kader: 80 mm · Vleugel: 120 mm

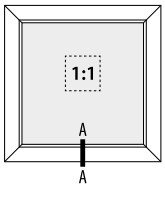


CL

SL
CL
RL

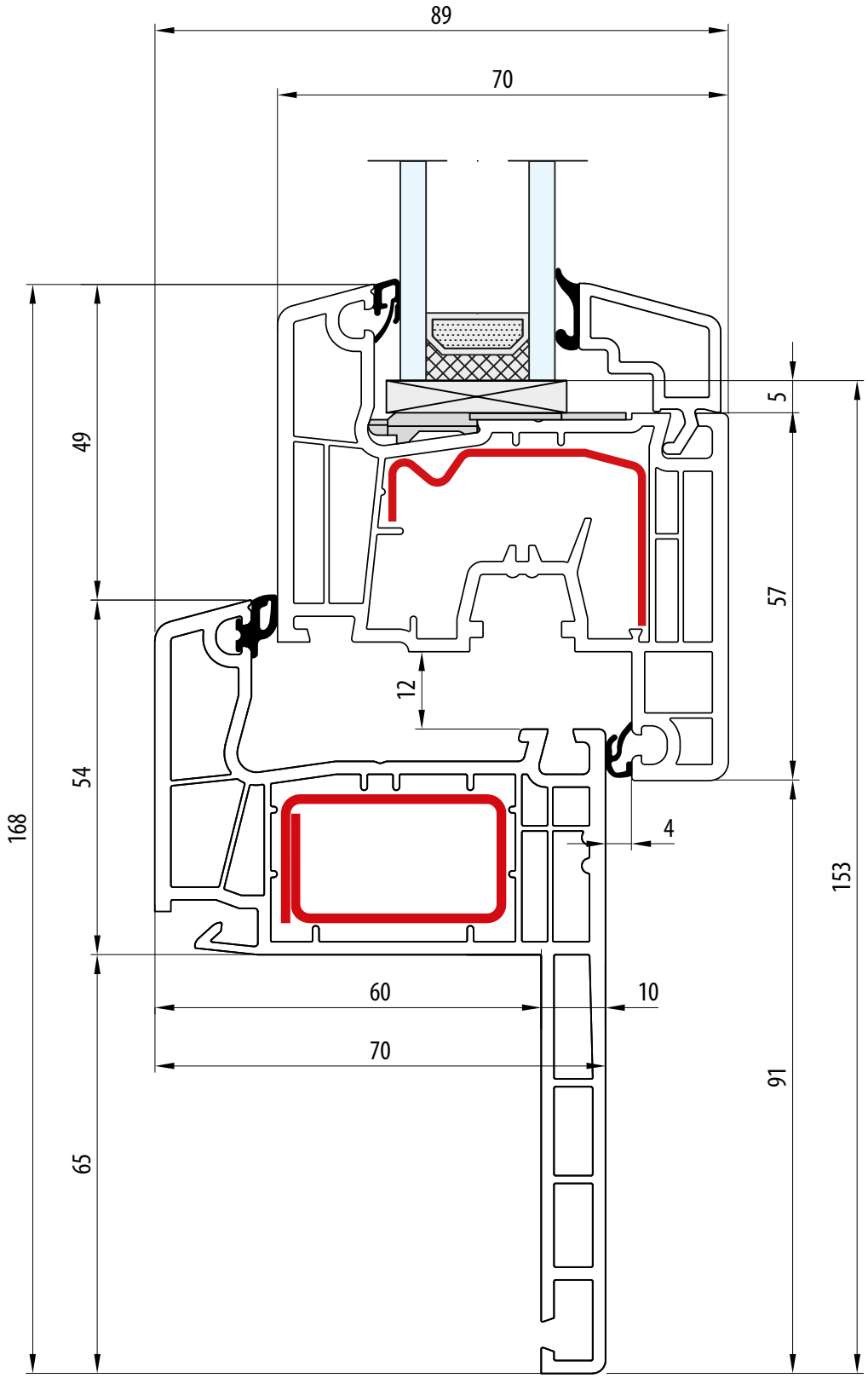



RENOWACJA - Płetwa: 65 mm · Rama: 54 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm
RENOVATIE - Vin: 65 mm · Kader 54 mm

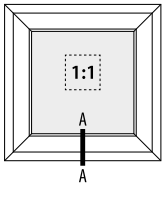


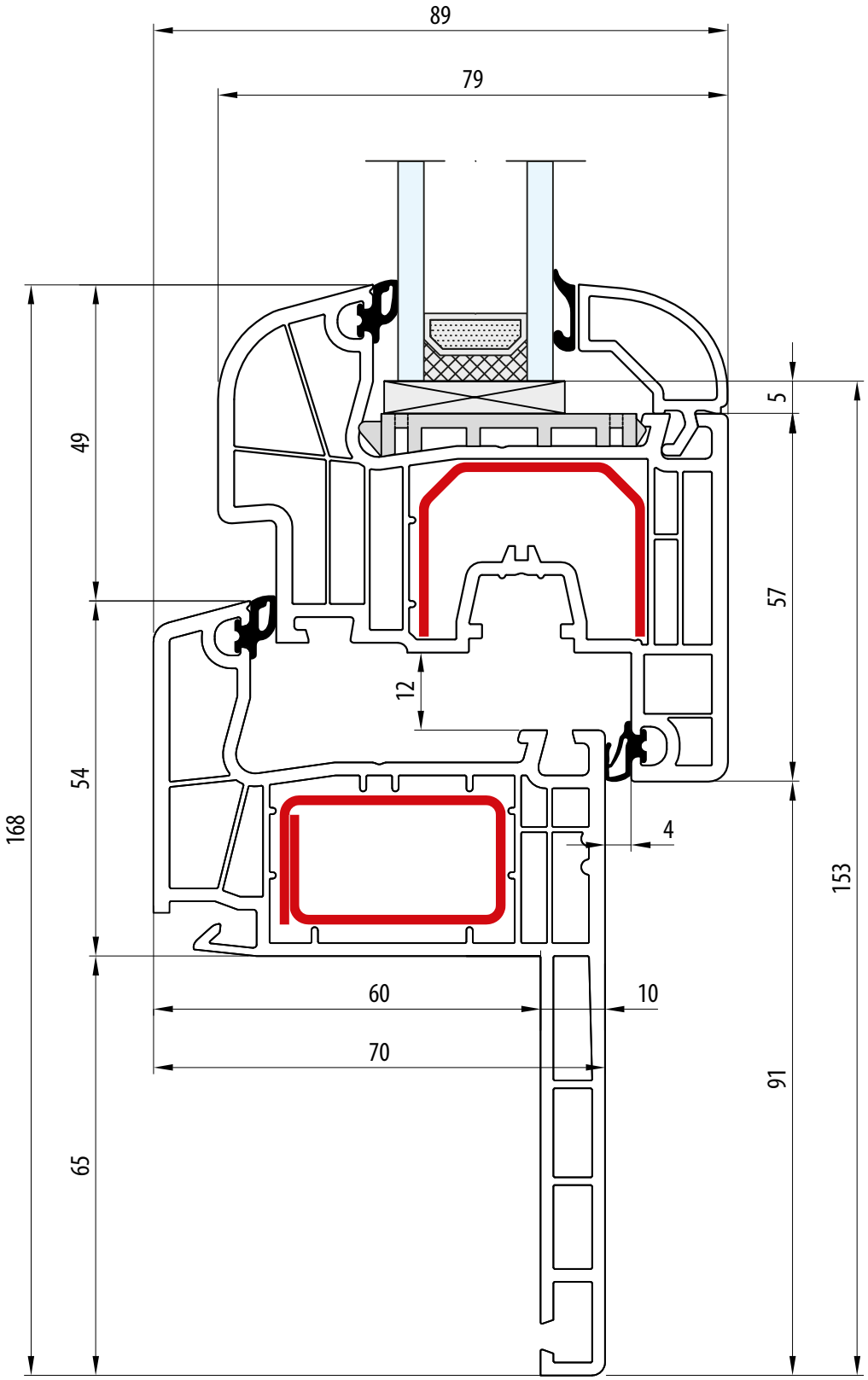
SL
CL

SL
CL
RL

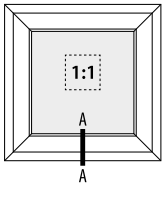


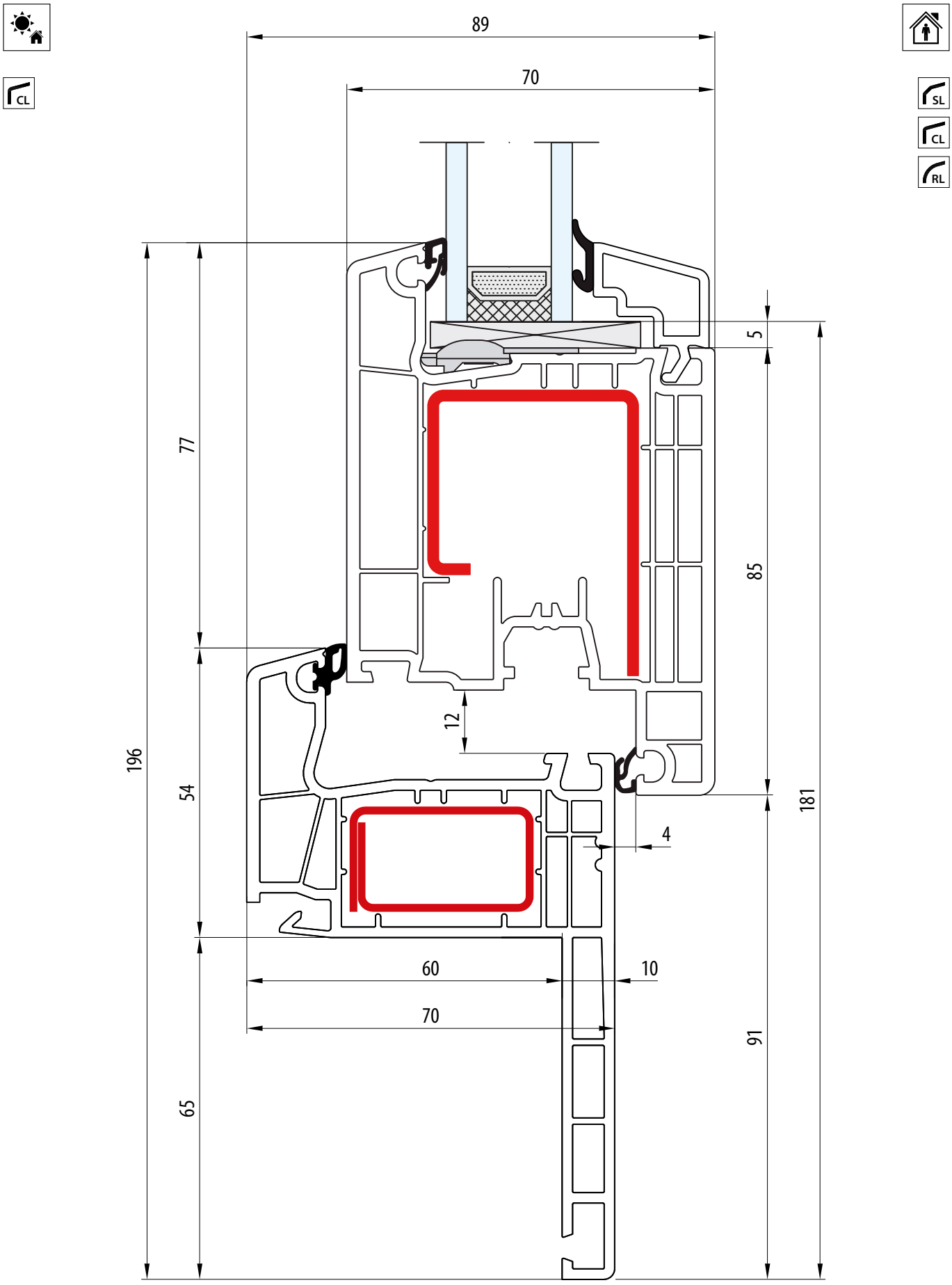

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 77 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 77 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel 77 mm



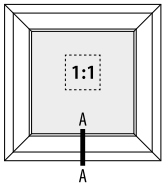


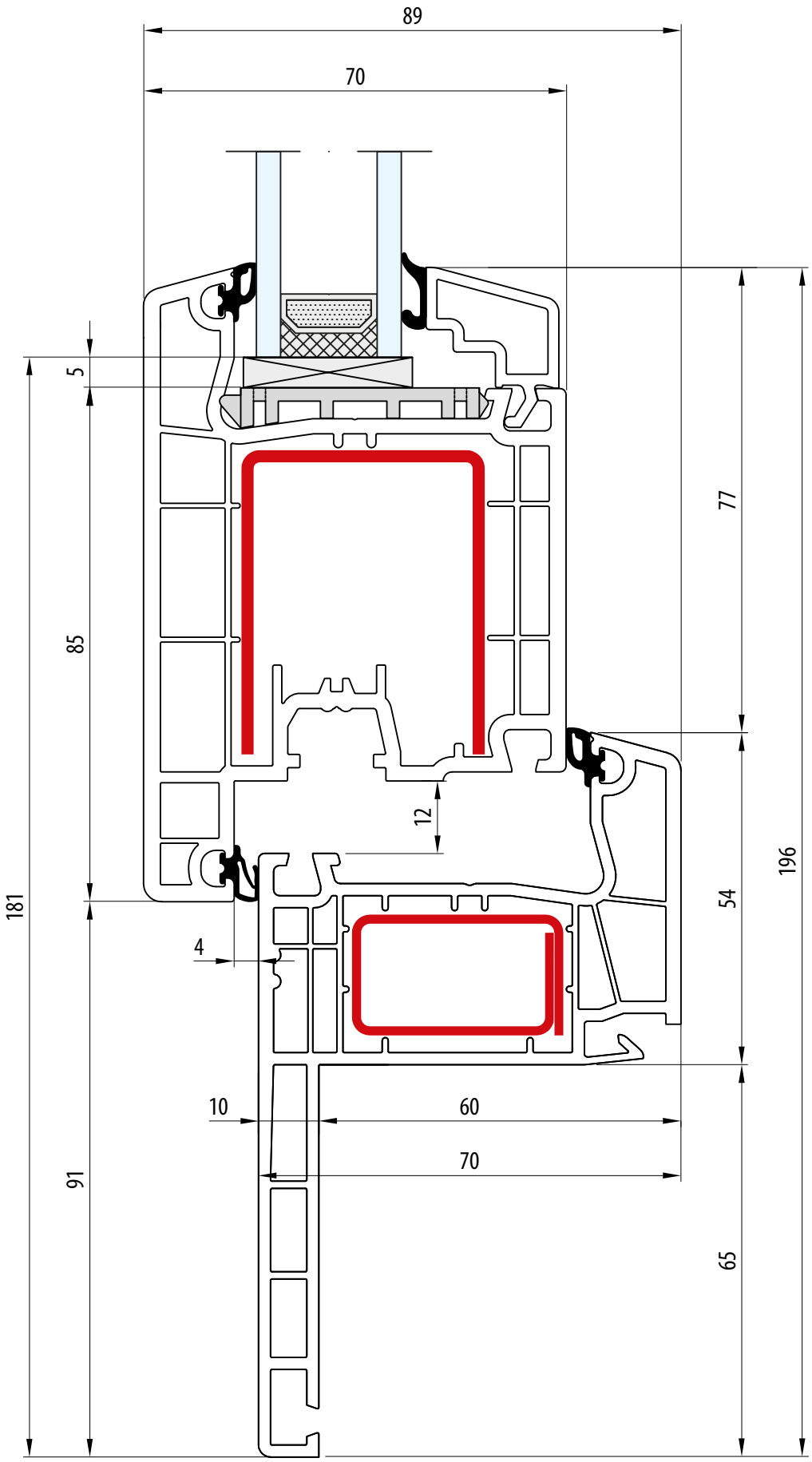

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 77 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 77 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 77 mm



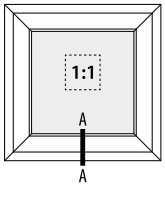


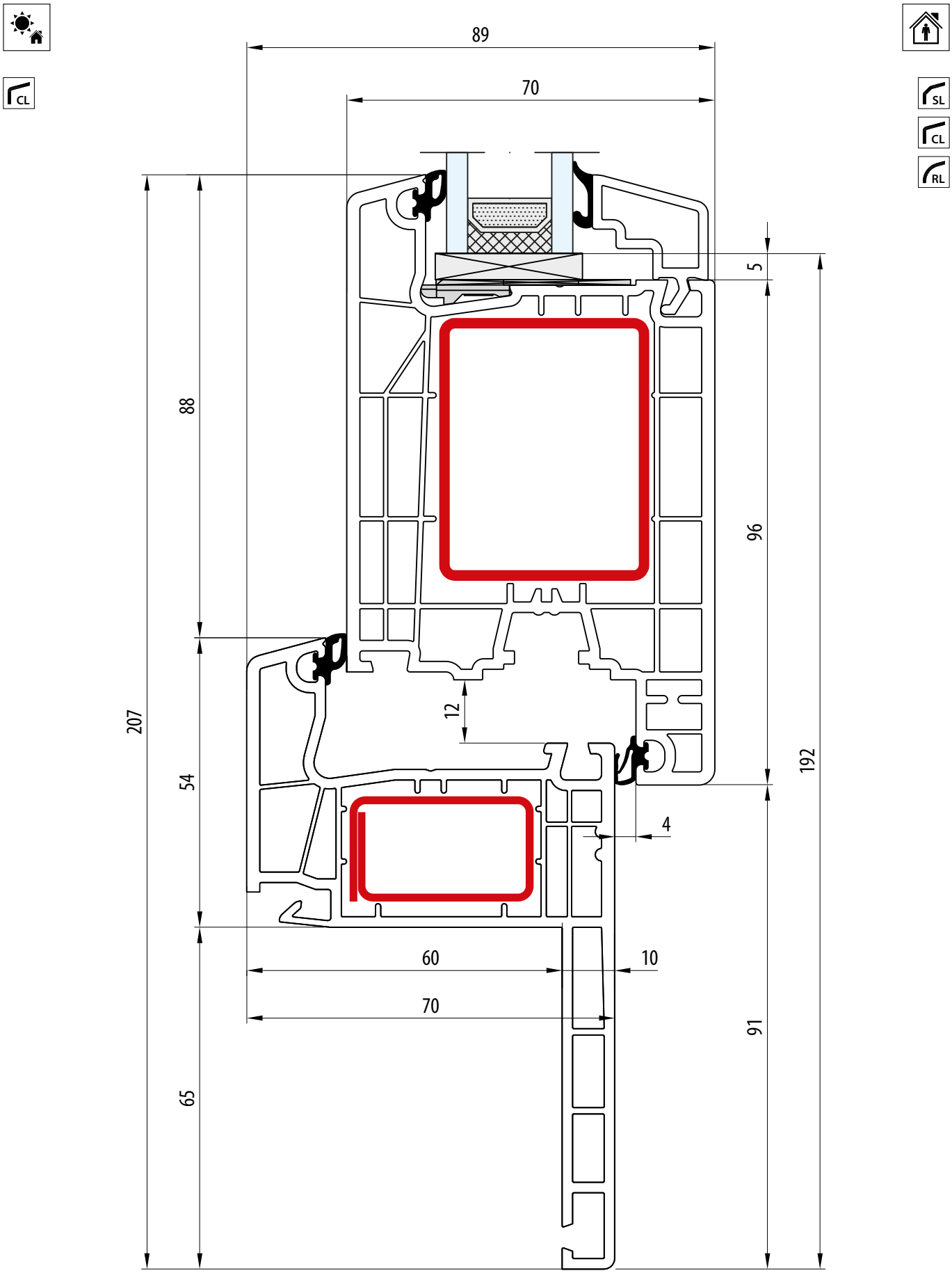

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 105 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 105 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 105 mm



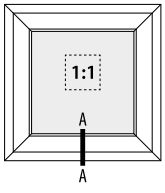


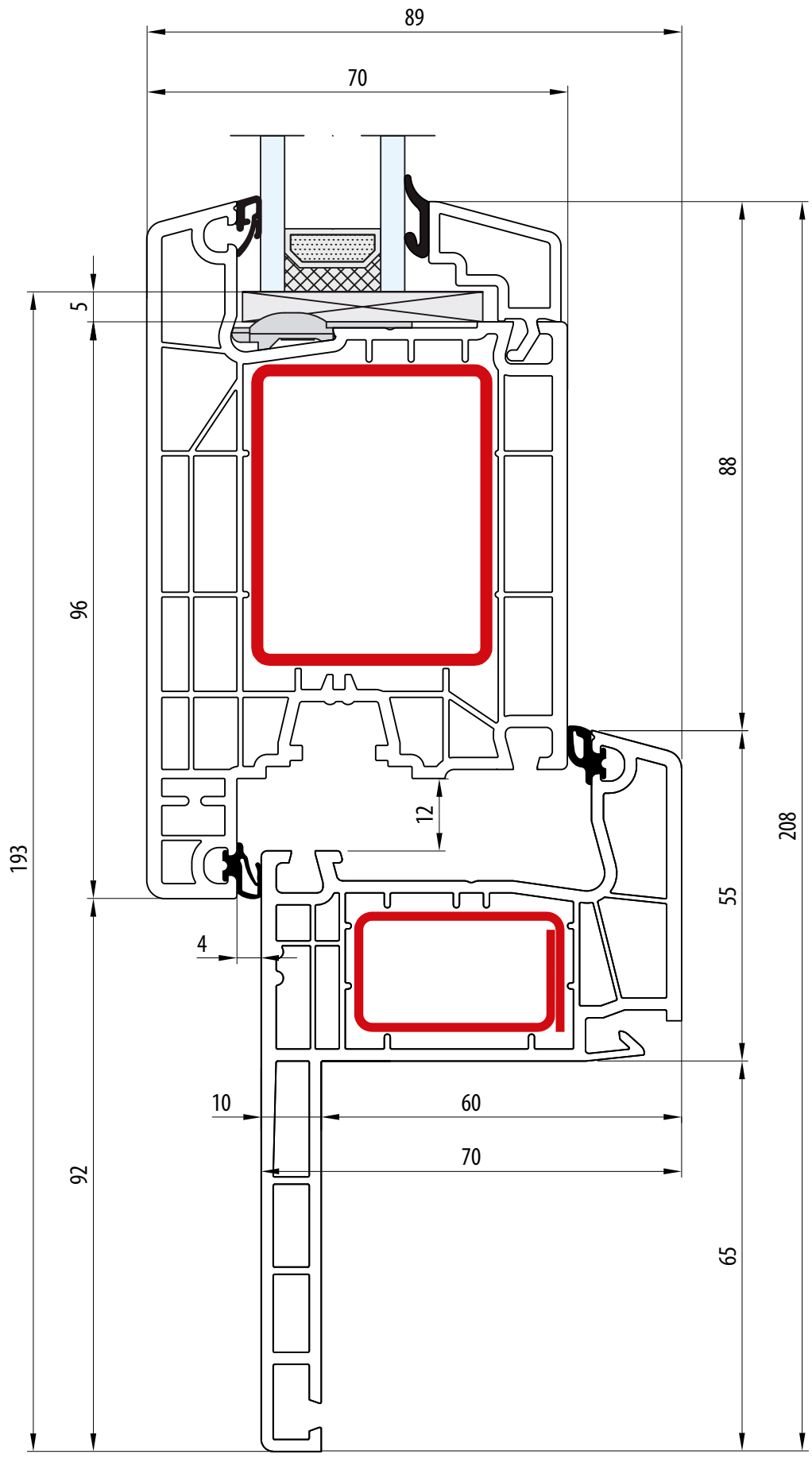

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 105 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 105 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 105 mm



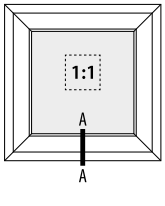



RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 116 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 116 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 116 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 116 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 116 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 116 mm



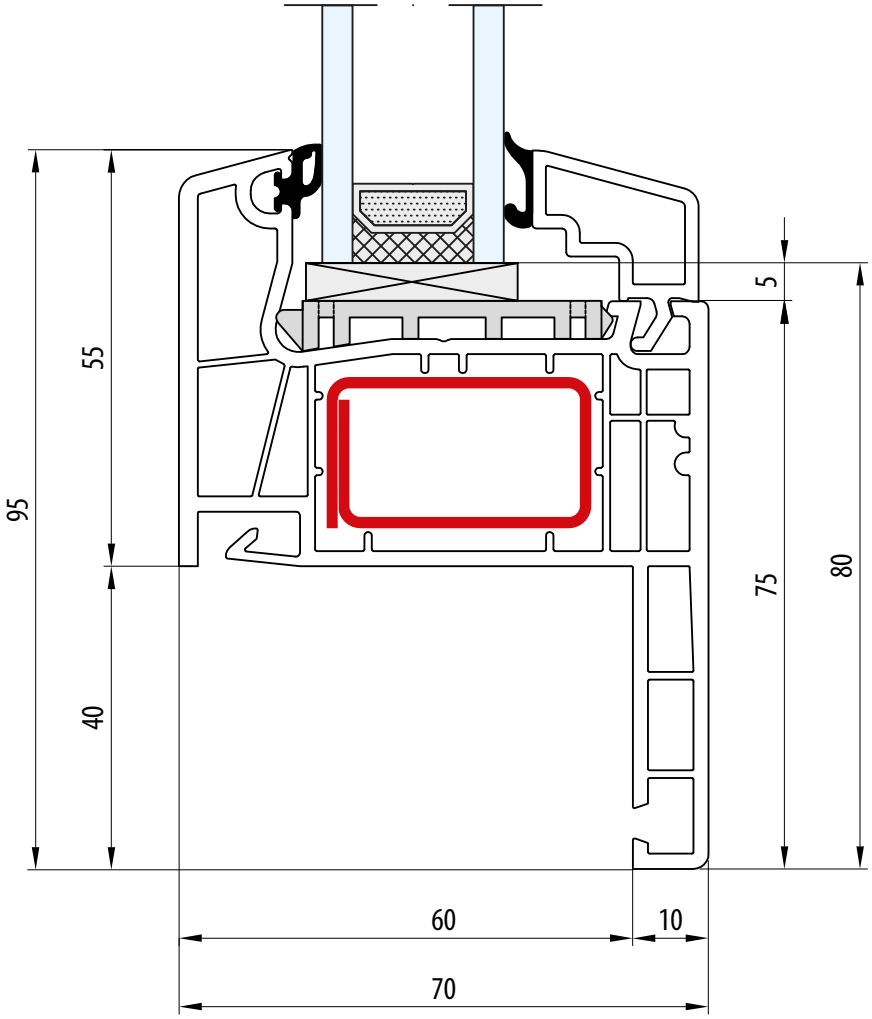



- RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 105 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 105 mm
- RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 105 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 105 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 105 mm
- RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 105 mm

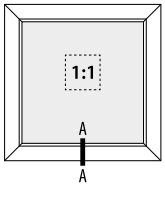


CL

SL
CL
RL

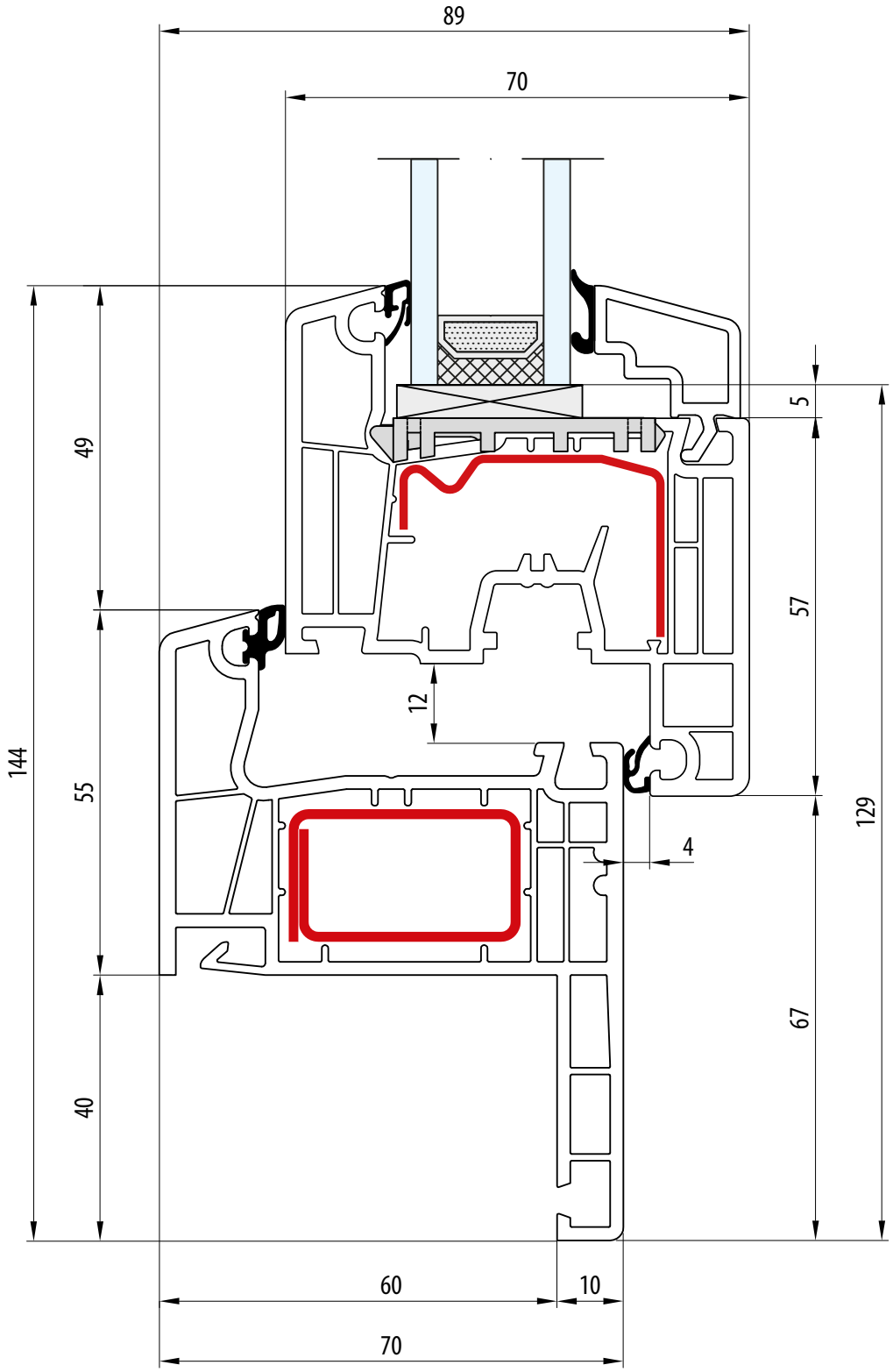



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm

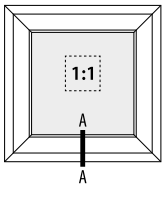


SL
CL

SL
CL
RL

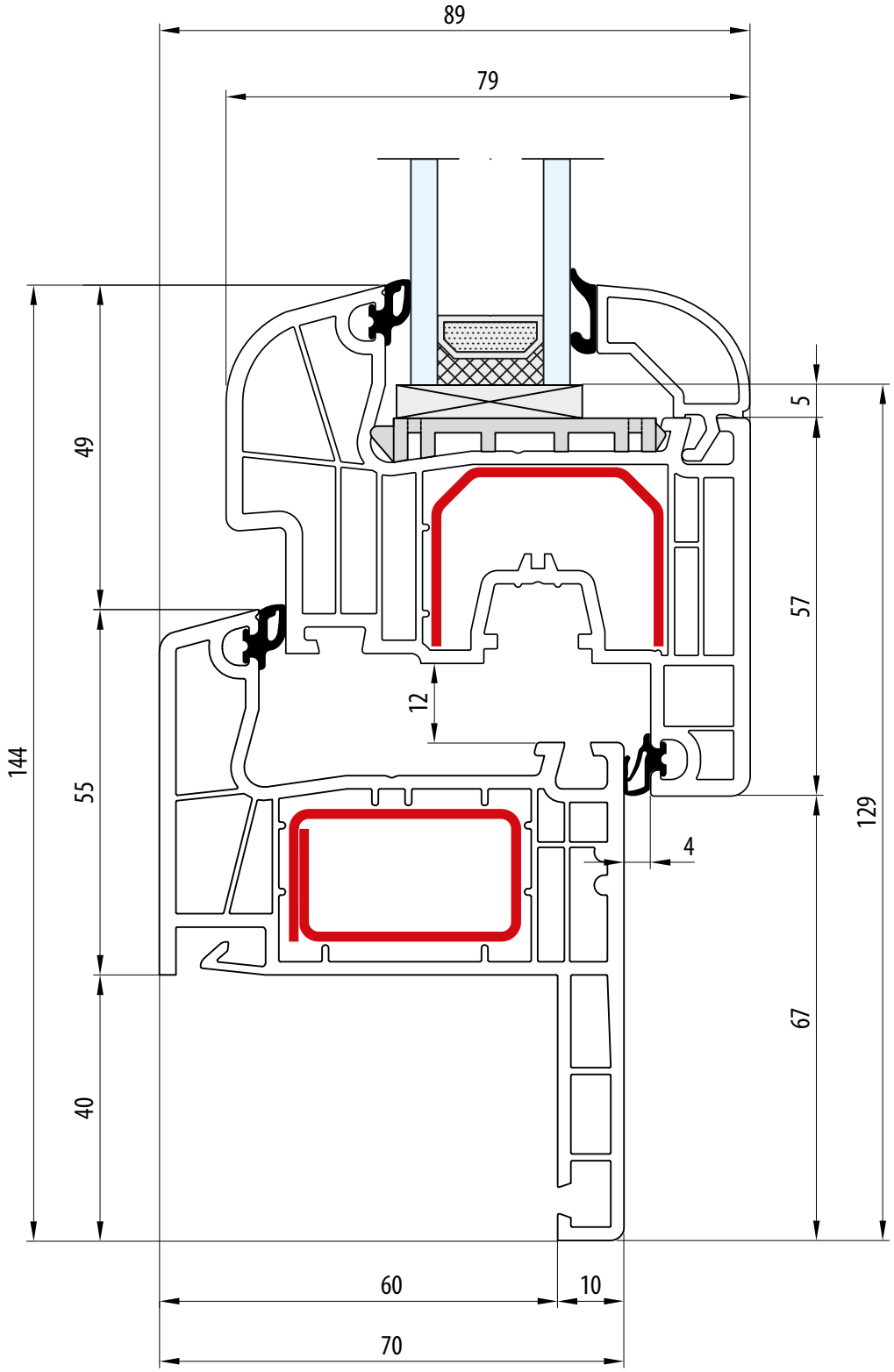



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 77 mm

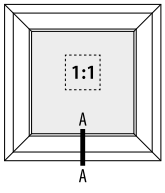


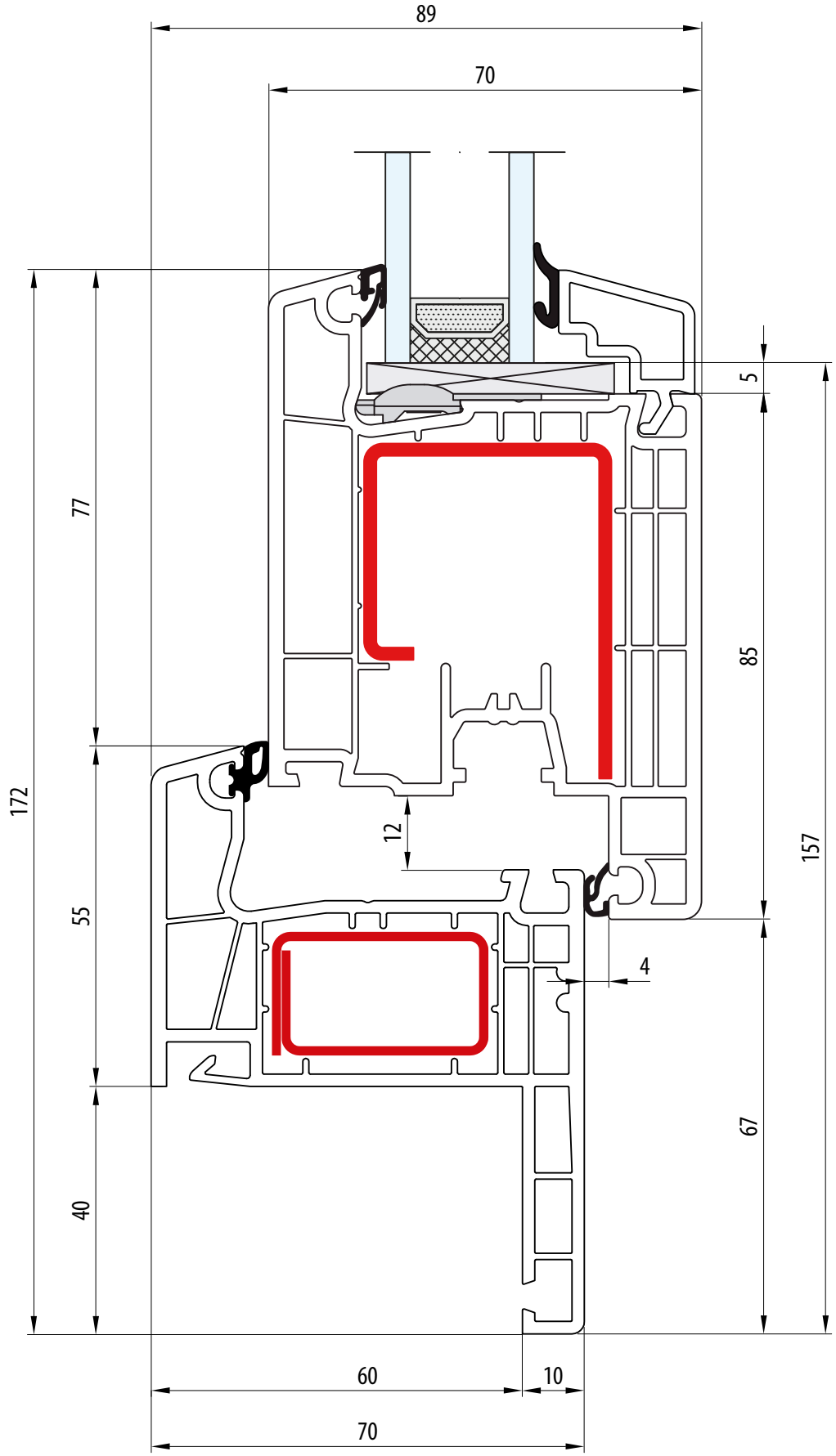
RL

SL
CL
RL

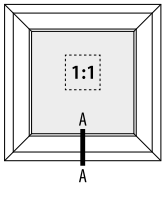



- RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 77 mm
- RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 77 mm
- RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 77 mm
- RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 77 mm
- RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 77 mm
- RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 77 mm



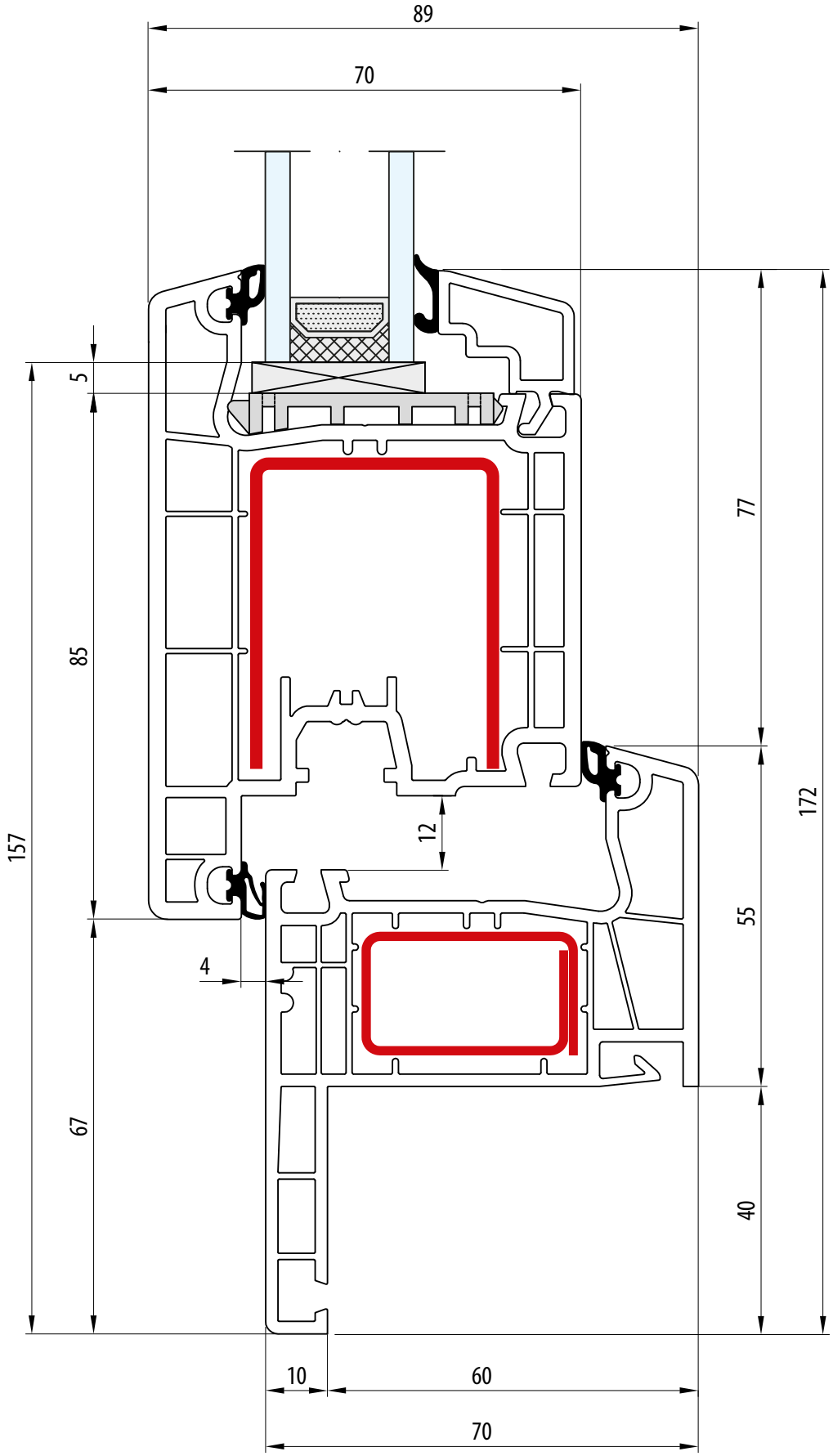



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 105 mm

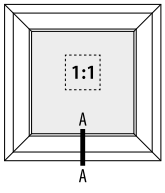


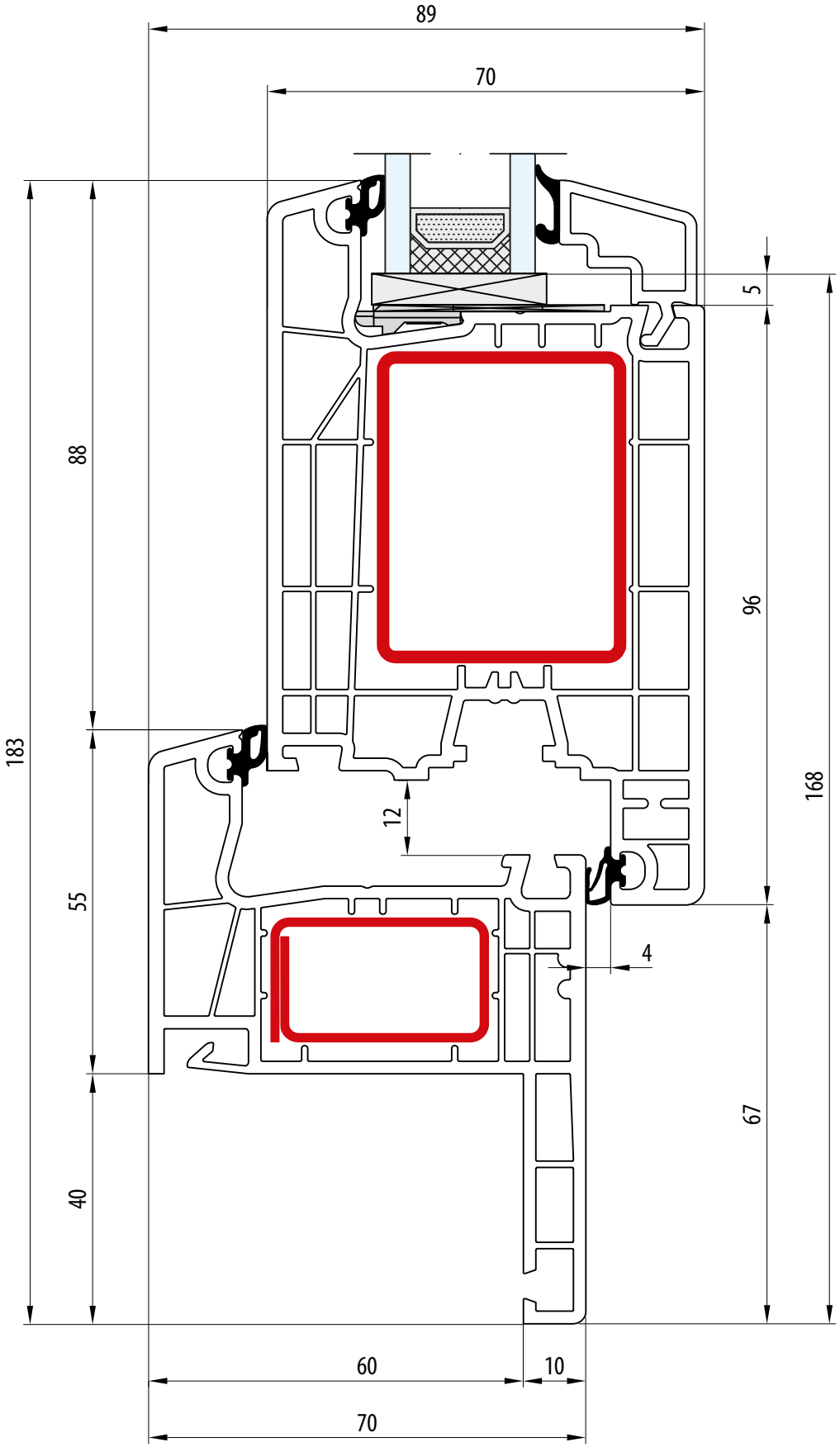
CL

SL
CL
RL

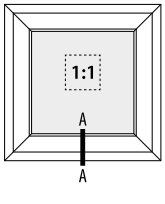


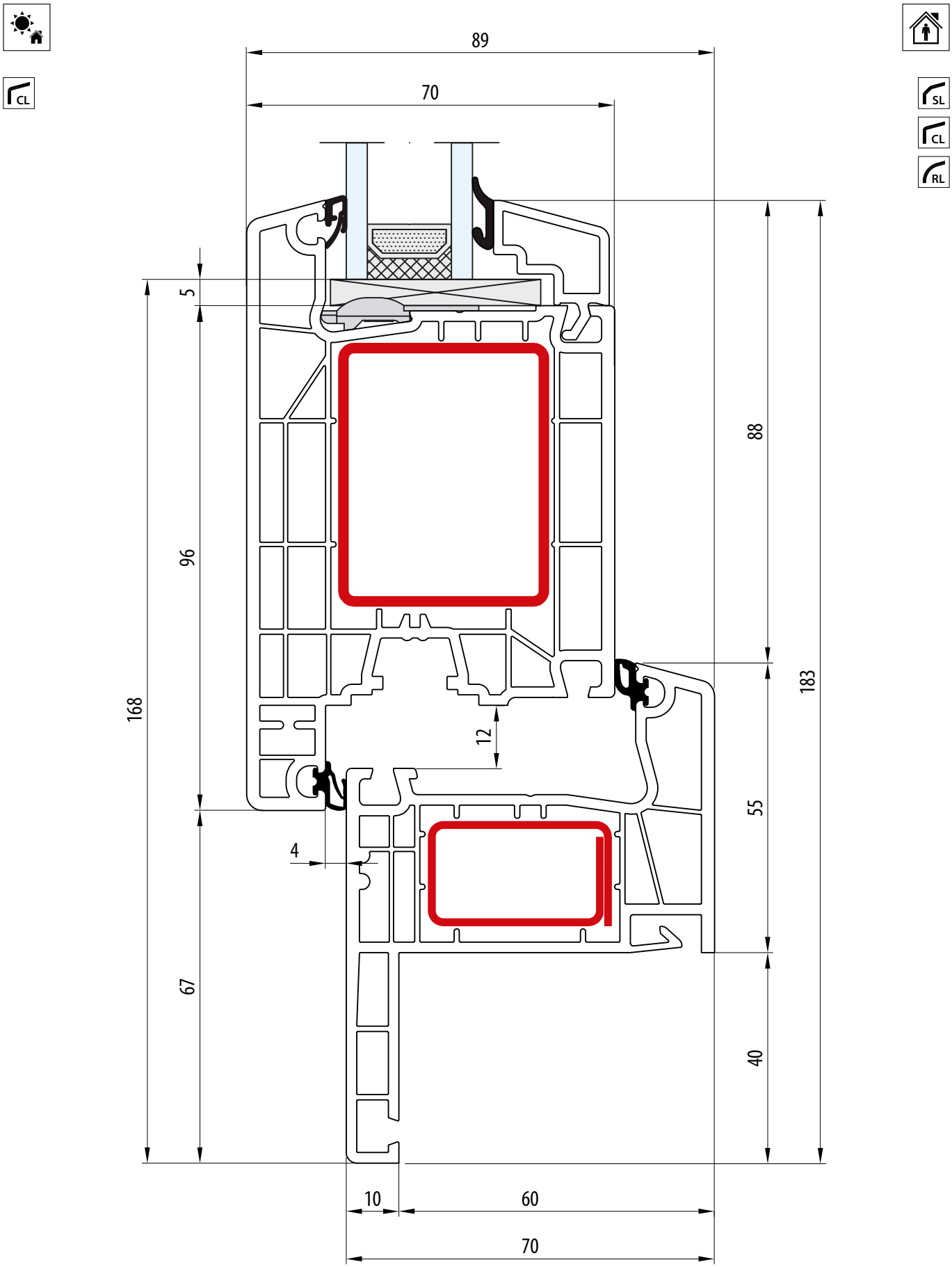

RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 105 mm



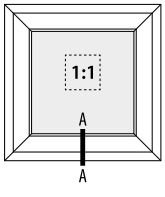



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 116 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 116 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 116 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 116 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 116 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 116 mm



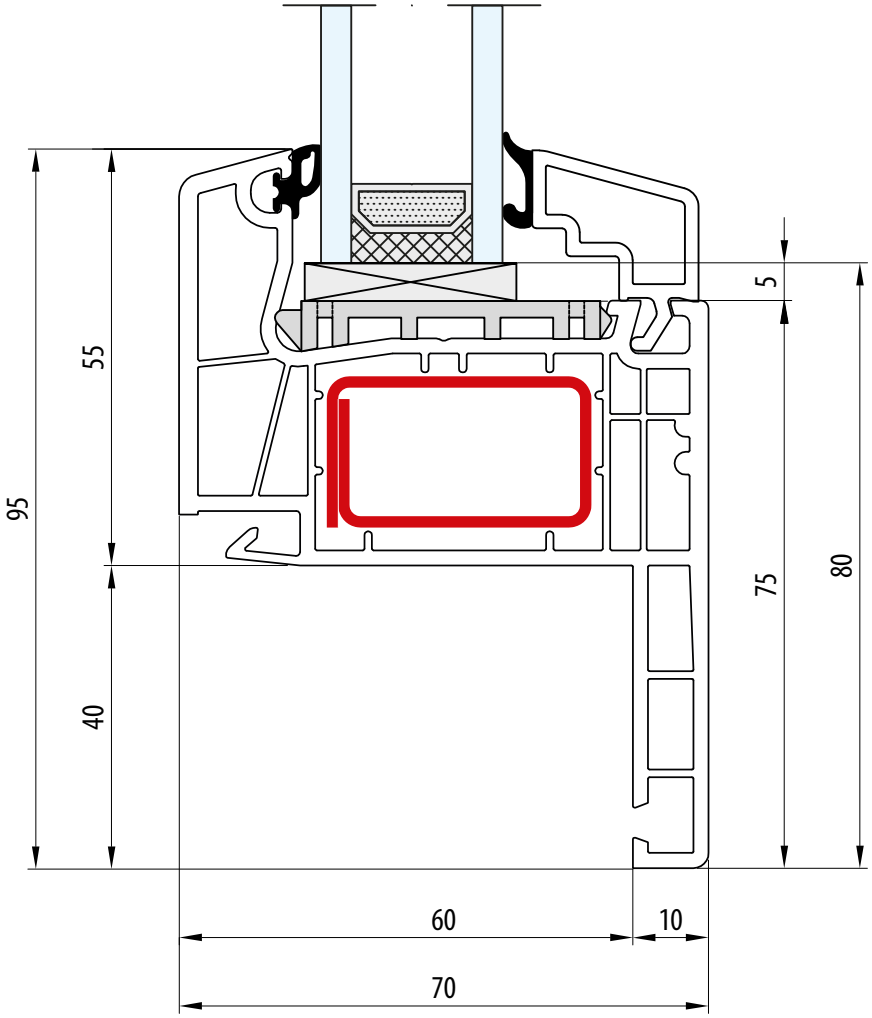



- RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 120 mm
- RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 120 mm
- RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 120 mm
- RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 120 mm
- RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 120 mm
- RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 120 mm

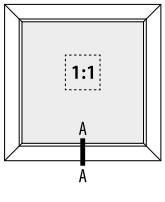


CL

SL
CL
RL

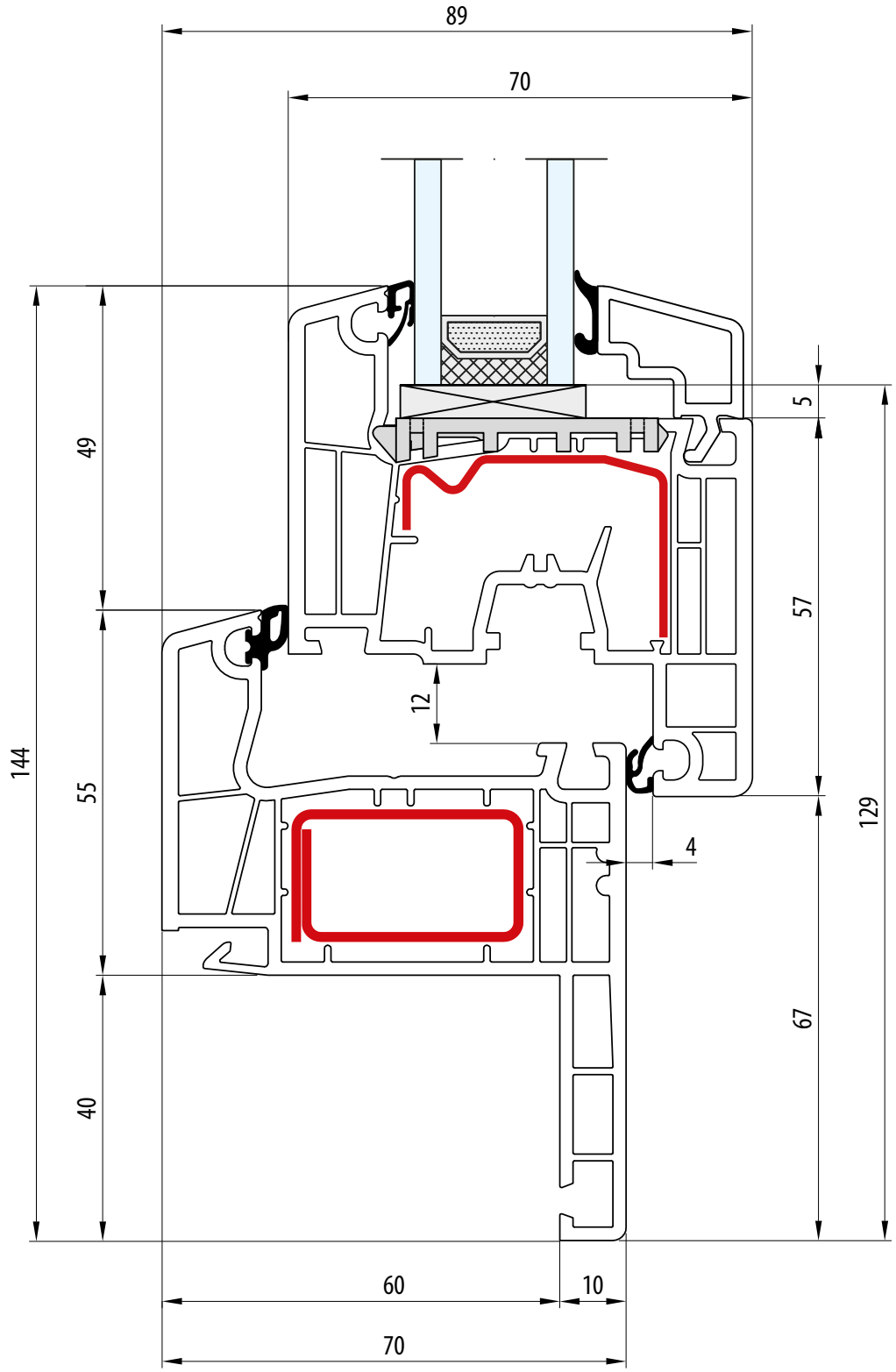



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm

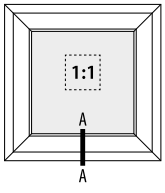


SL
CL

SL
CL
RL

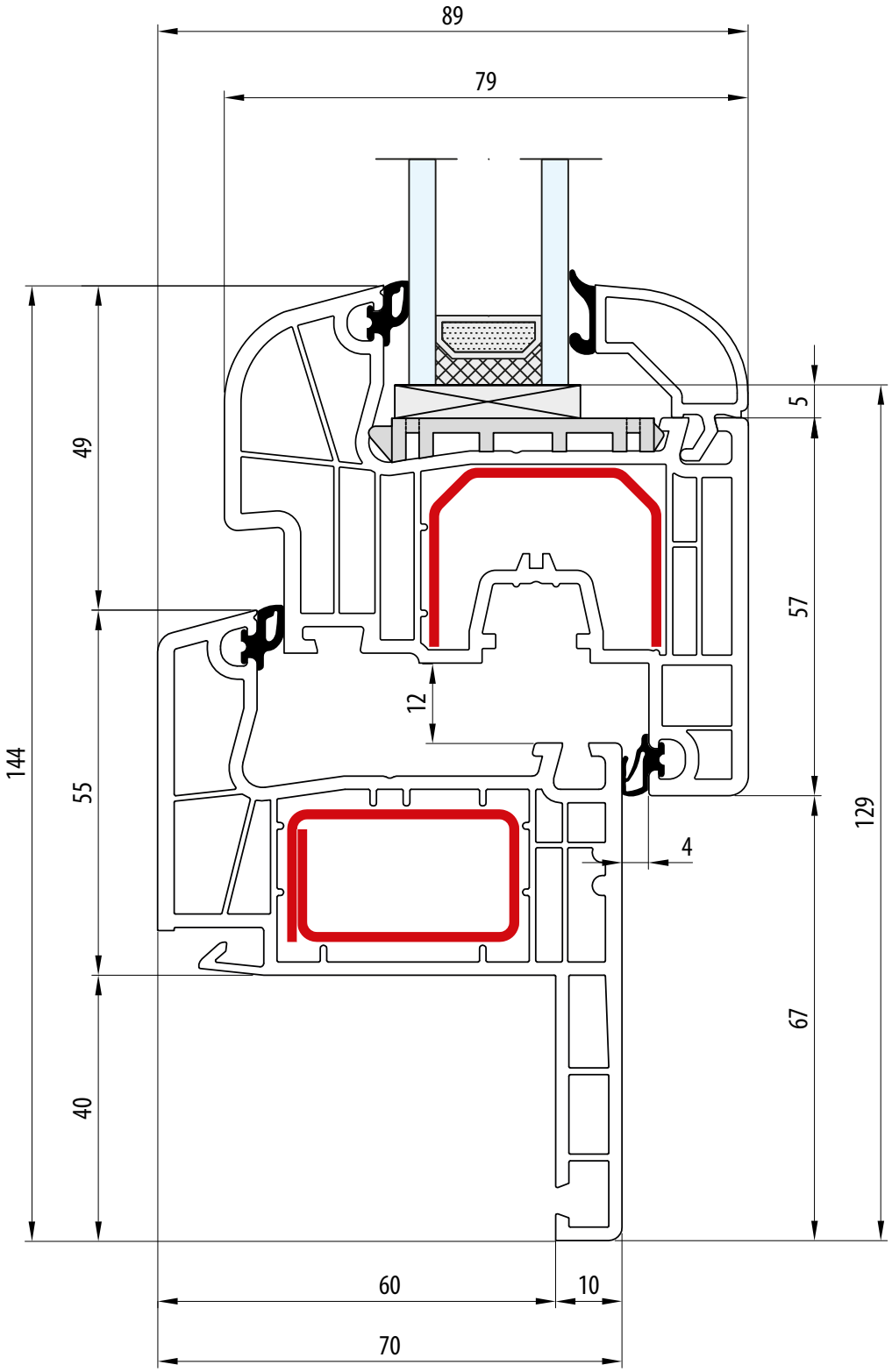



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 77 mm

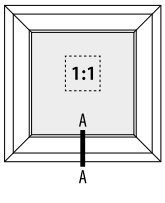






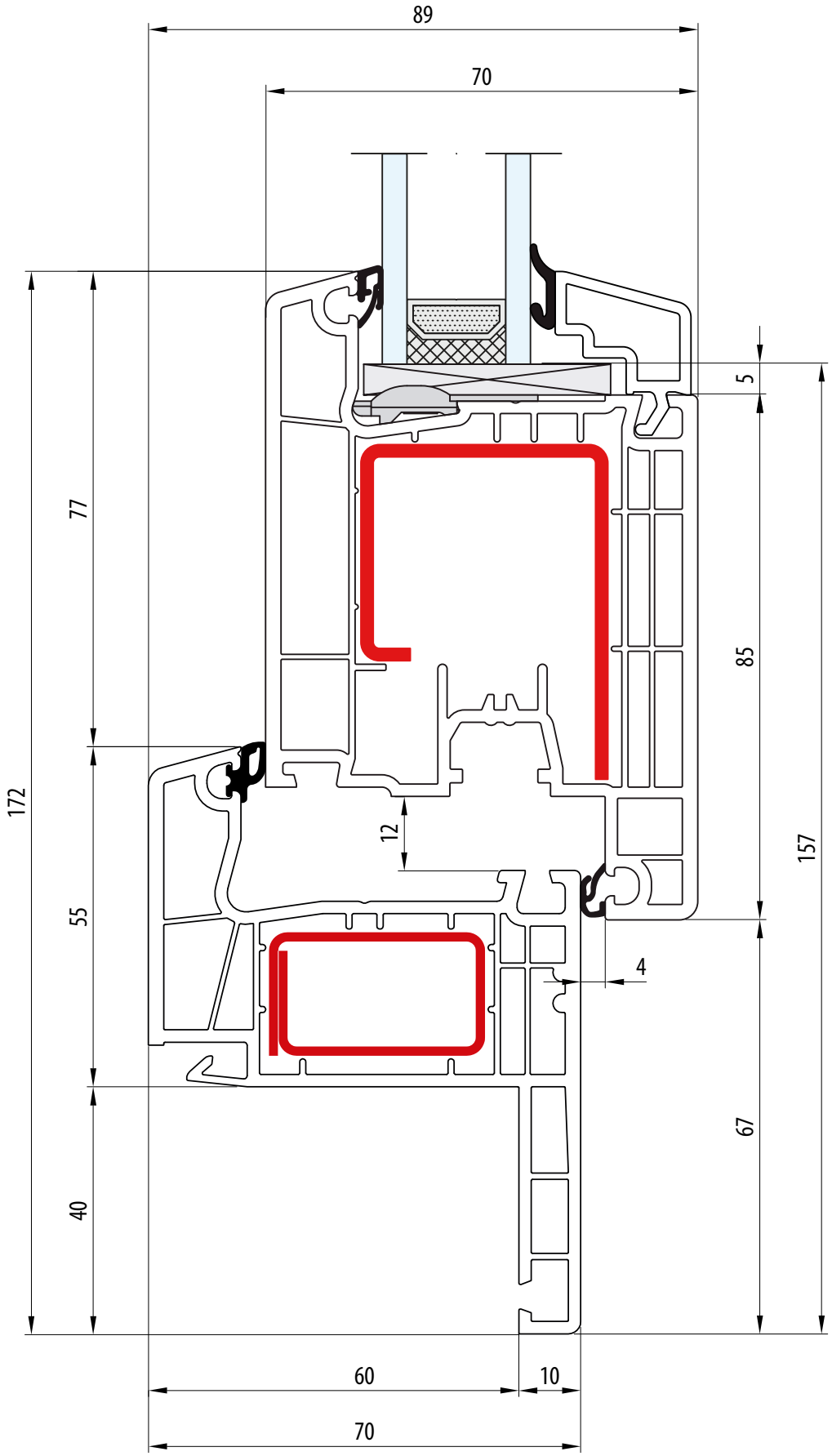




RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 77 mm

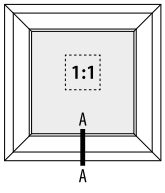


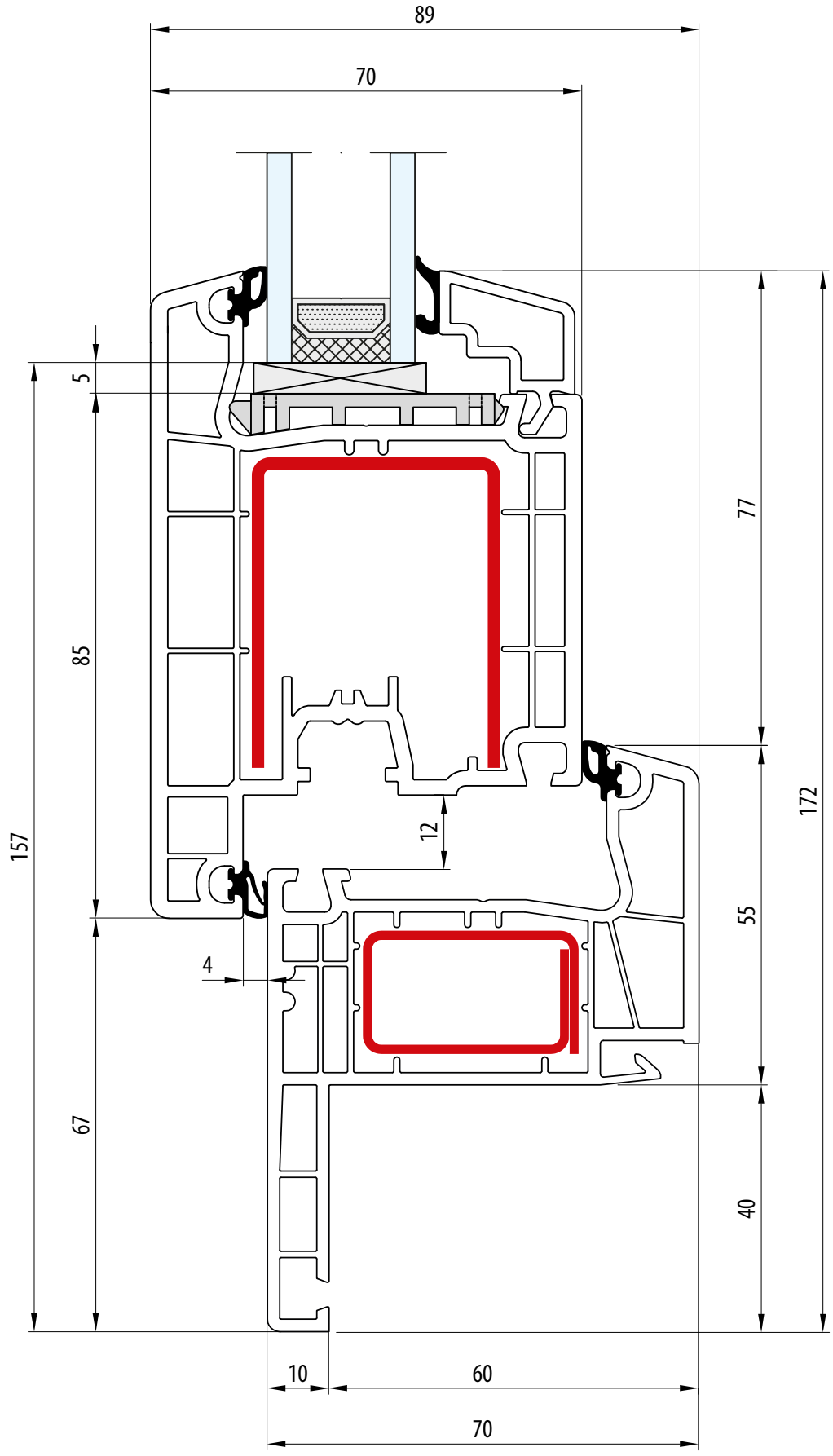
CL

SL
CL
RL

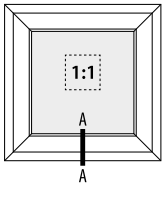



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 105 mm



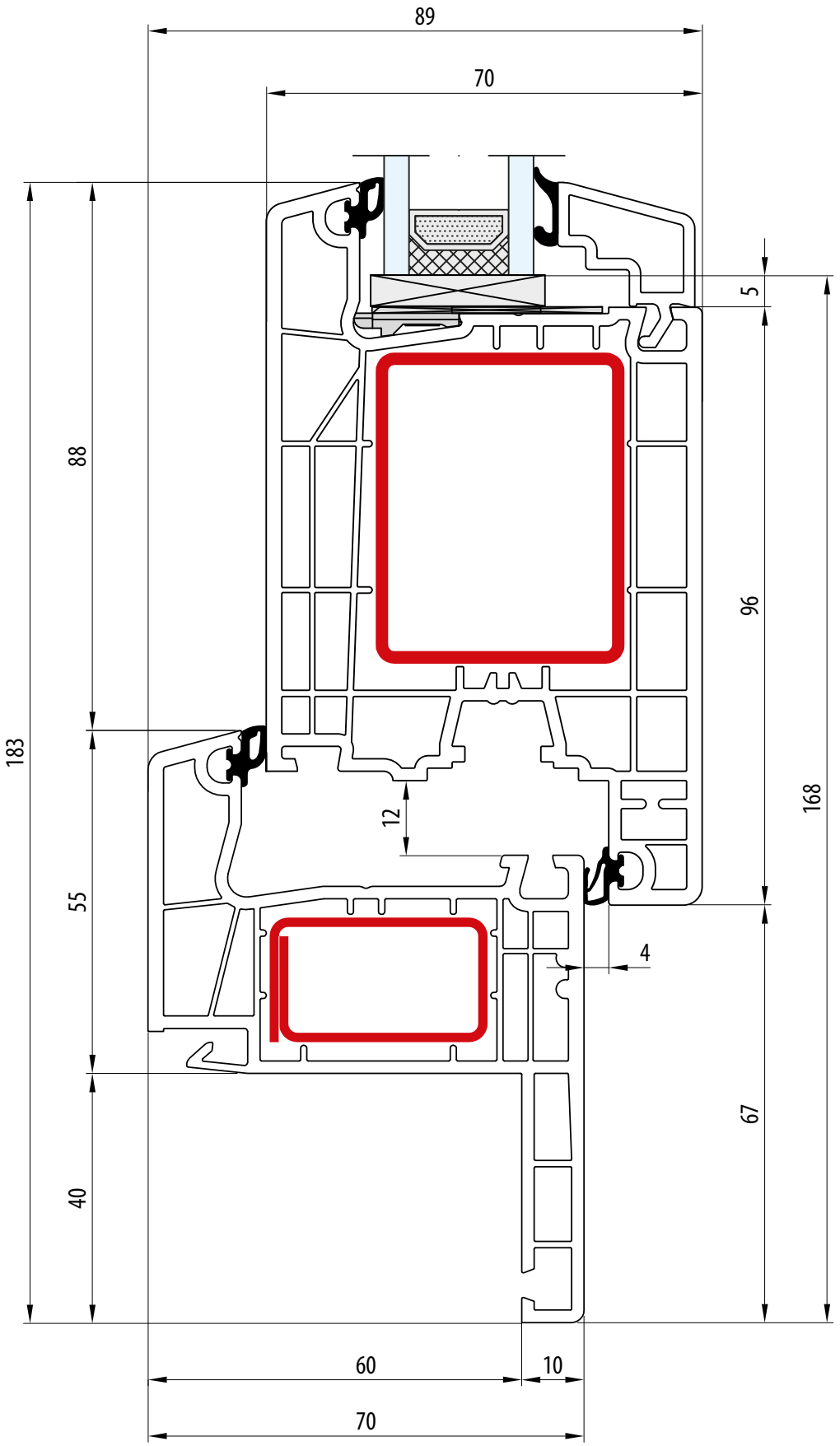



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 105 mm

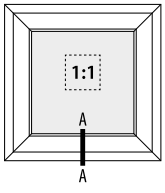


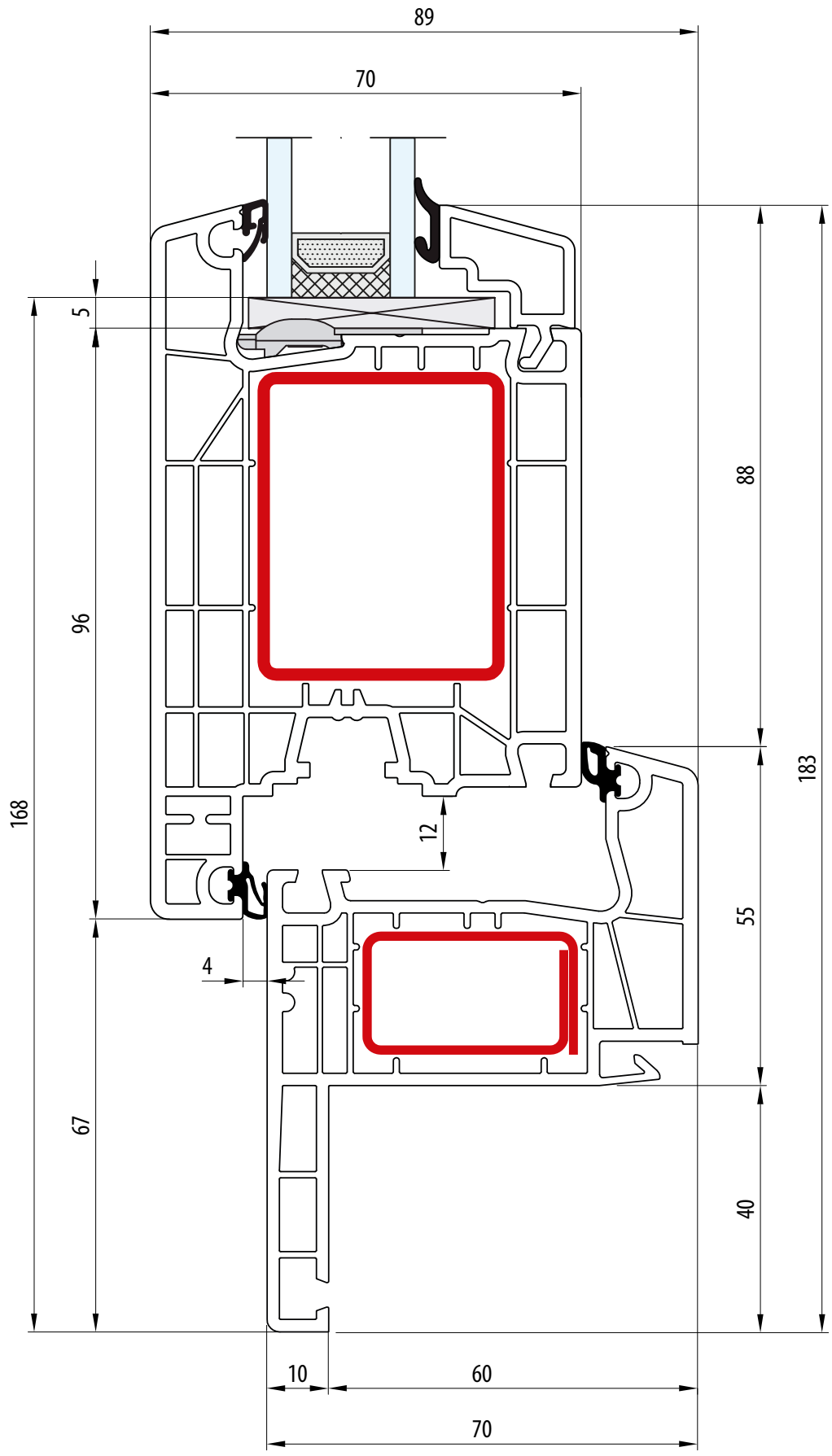
CL

SL
CL
RL

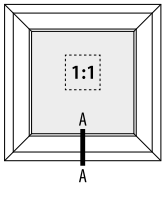



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 116 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 116 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 116 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 116 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 116 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 116 mm



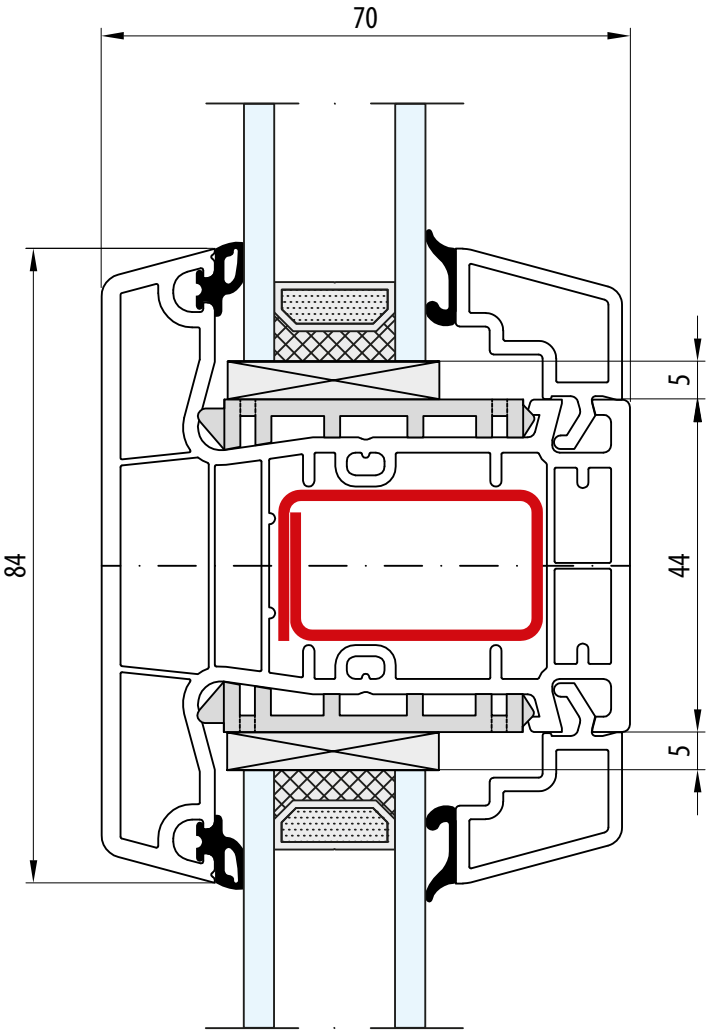



RENOWACJA - Płetwa: 40 mm · Rama: 55 mm · Skrzydło: 120 mm
RÉNOVATION - Lip: 40 mm · Dormant: 55 mm · Vantail: 120 mm
RENOVATION - Strip: 40 mm · Frame: 55 mm · Sash: 120 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 55 mm · Flügel: 120 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 55 mm · Anta: 120 mm
RENOVATIE - Vin: 40 mm · Kader: 55 mm · Vleugel: 120 mm



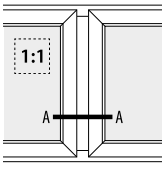
CL

SL
CL
RL




140x41

- Słupek stały: 84 mm
- Meneau fixe: 84 mm
- Fix post: 84 mm
- Festem Pfahl: 84 mm
- Montante fisso: 84 mm
- Vaste stijl: 84 mm

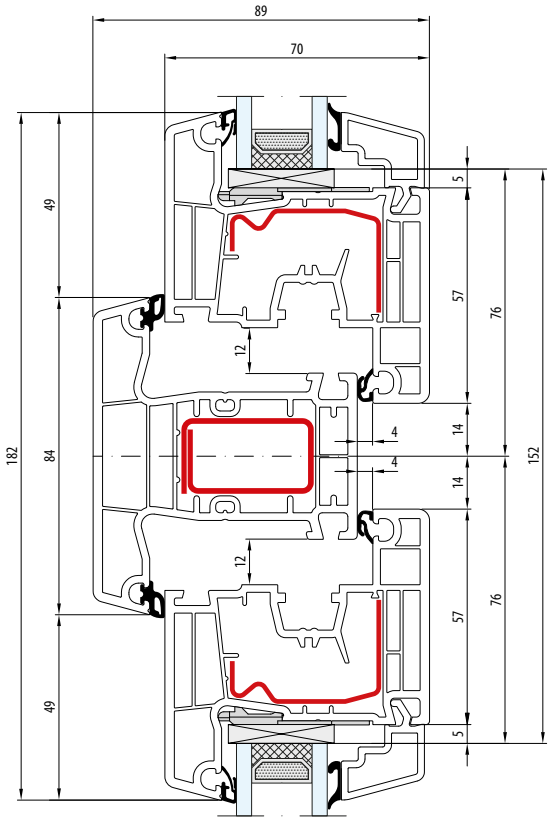




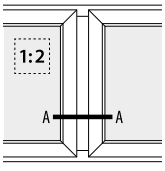


SL
CL

SL
CL
RL

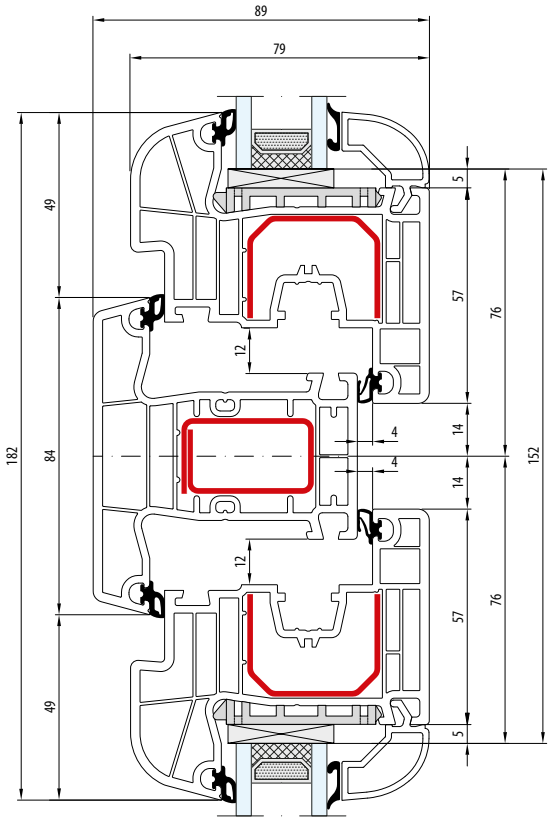



Słupek stały: 84 mm · Skrzydło: 77 mm
Meneau fixe: 84 mm · Vantail: 77 mm
Fix post: 84 mm · Sash: 77 mm
Festem Pfahl: 84 mm · Flügel: 77 mm
Montante fisso: 84 mm · Anta: 77 mm
Vaste stijl: 84 mm · Vleugel: 77 mm

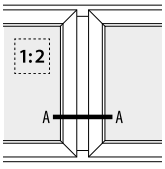


RL

SL
CL
RL

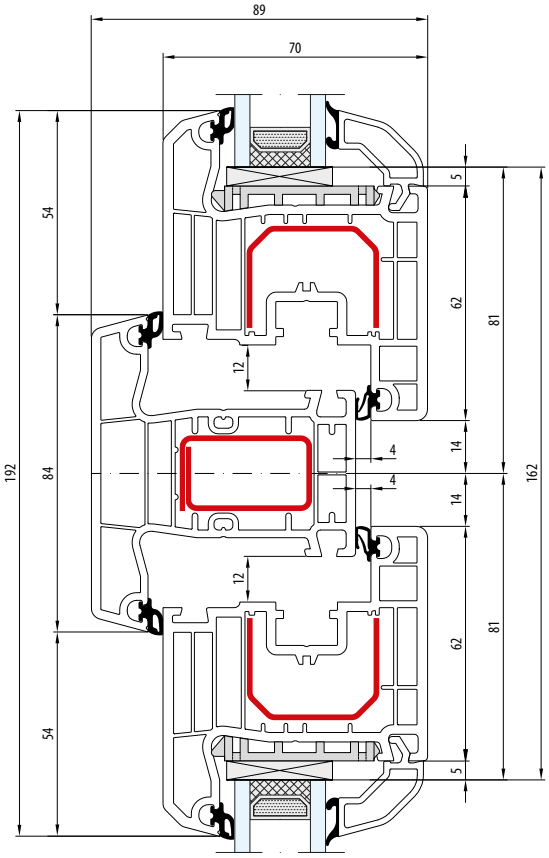



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm

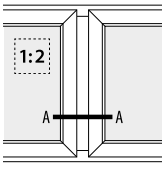


SL

SL
CL
RL

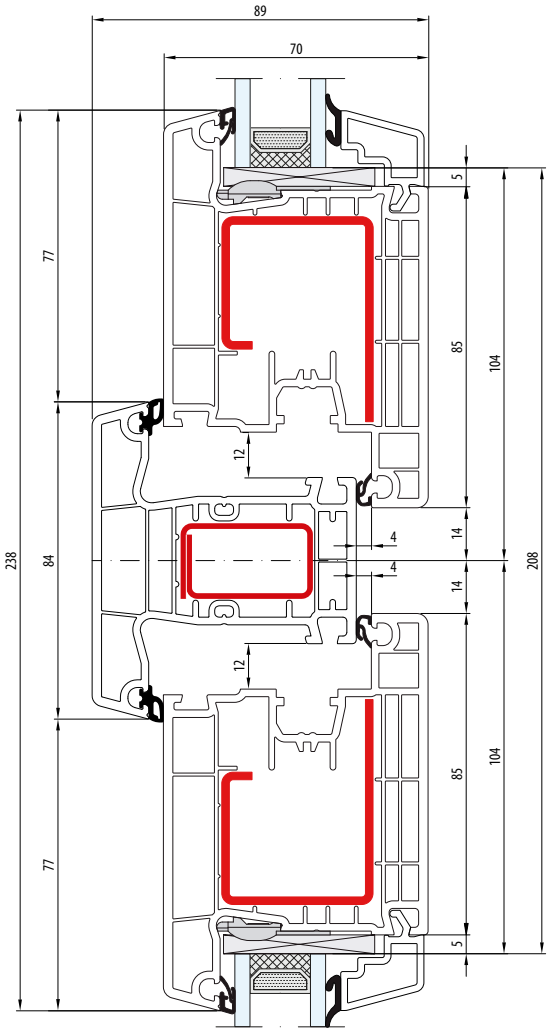



- Słupek stały: 84 mm · Skrzydło: 82 mm
- Meneau fixe: 84 mm · Vantail: 82 mm
- Fix post: 84 mm · Sash: 82 mm
- Festem Pfahl: 84 mm · Flügel: 82 mm
- Montante fisso: 84 mm · Anta: 82 mm
- Vaste stijl: 84 mm · Vleugel: 82 mm

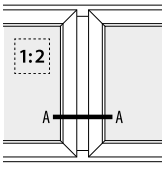


CL

SL CL RL




- Słupek stały: 84 mm · Skrzydło: 105 mm
- Meneau fixe: 84 mm · Vantail: 105 mm
- Fix post: 84 mm · Sash: 105 mm
- Festem Pfahl: 84 mm · Flügel: 105 mm
- Montante fisso: 84 mm · Anta: 105 mm
- Vaste stijl: 84 mm · Vleugel: 105 mm



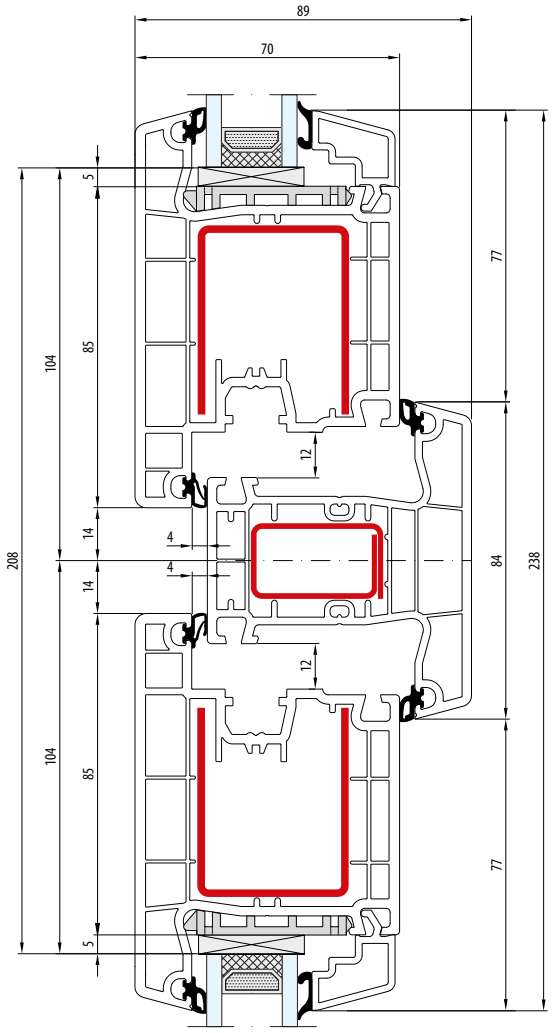




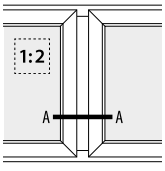






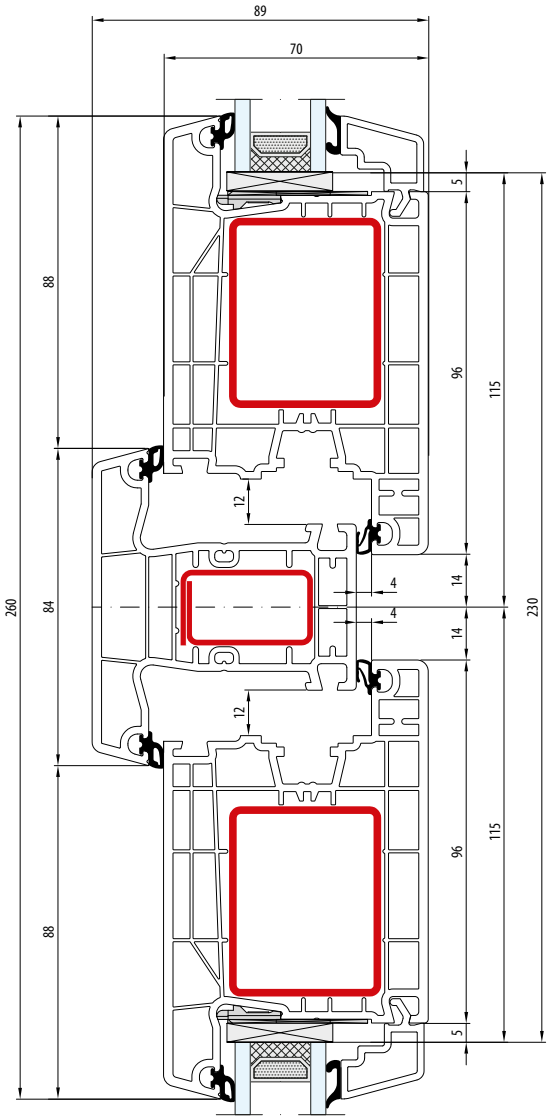



- Słupek stały: 84 mm · Skrzydło: 105 mm
- Meneau fixe: 84 mm · Vantail: 105 mm
- Fix post: 84 mm · Sash: 105 mm
- Festem Pfahl: 84 mm · Flügel: 105 mm
- Montante fisso: 84 mm · Anta: 105 mm
- Vaste stijl: 84 mm · Vleugel: 105 mm

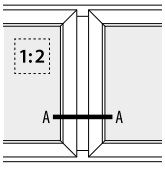


CL

SL CL RL

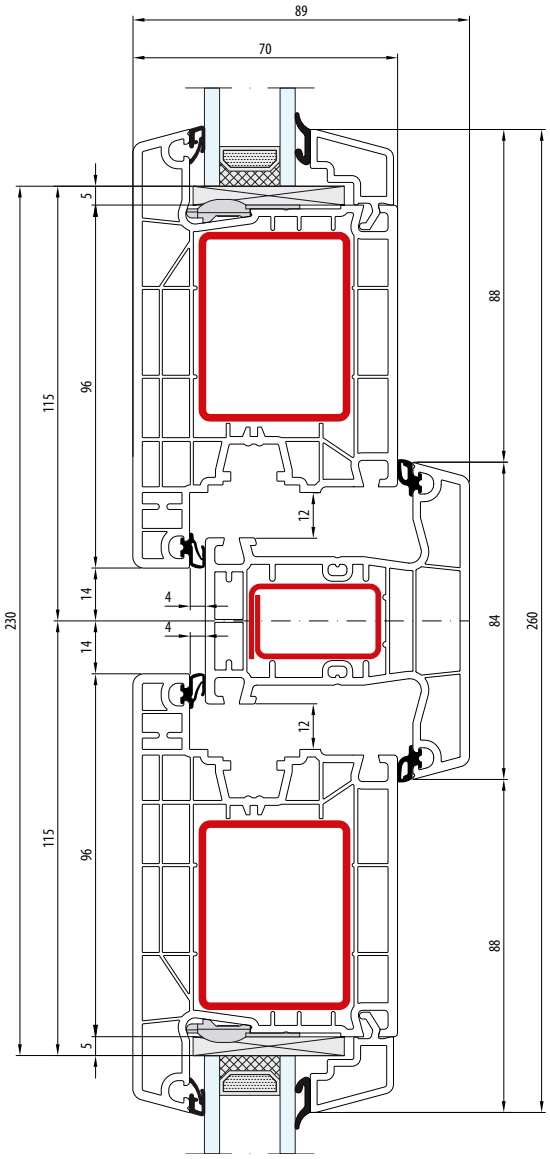



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm

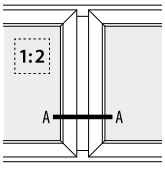


CL

SL
CL
RL

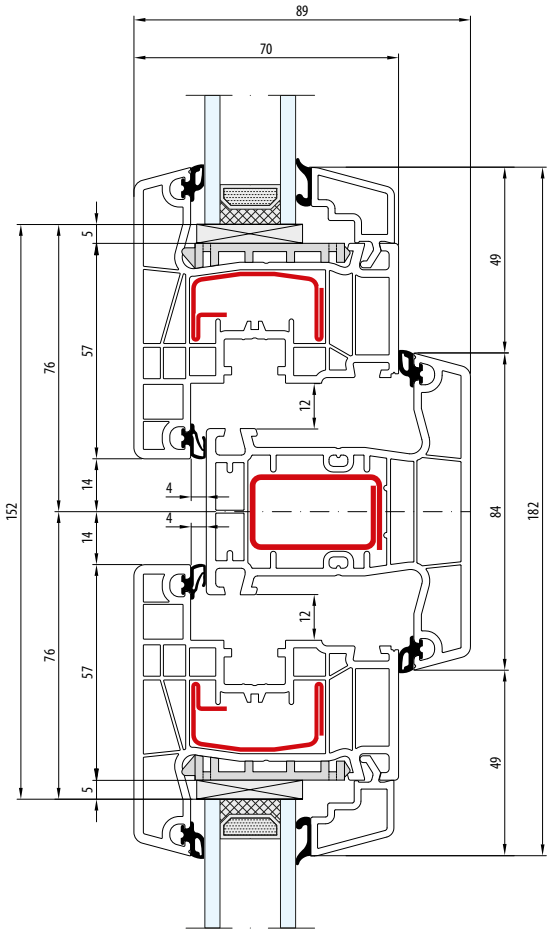



- Słupek stały: 84 mm · Skrzydło: 120 mm
- Meneau fixe: 84 mm · Vantail: 120 mm
- Fix post: 84 mm · Sash: 120 mm
- Festem Pfahl: 84 mm · Flügel: 120 mm
- Montante fisso: 84 mm · Anta: 120 mm
- Vaste stijl: 84 mm · Vleugel: 120 mm

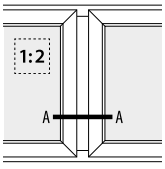


CL

SL
CL
RL




Słupek stały: 84 mm · Skrzydło: 77 mm
Meneau fixe: 84 mm · Vantail: 77 mm
Fix post: 84 mm · Sash: 77 mm
Festem Pfahl: 84 mm · Flügel: 77 mm
Montante fisso: 84 mm · Anta: 77 mm
Vaste stijl: 84 mm · Vleugel: 77 mm



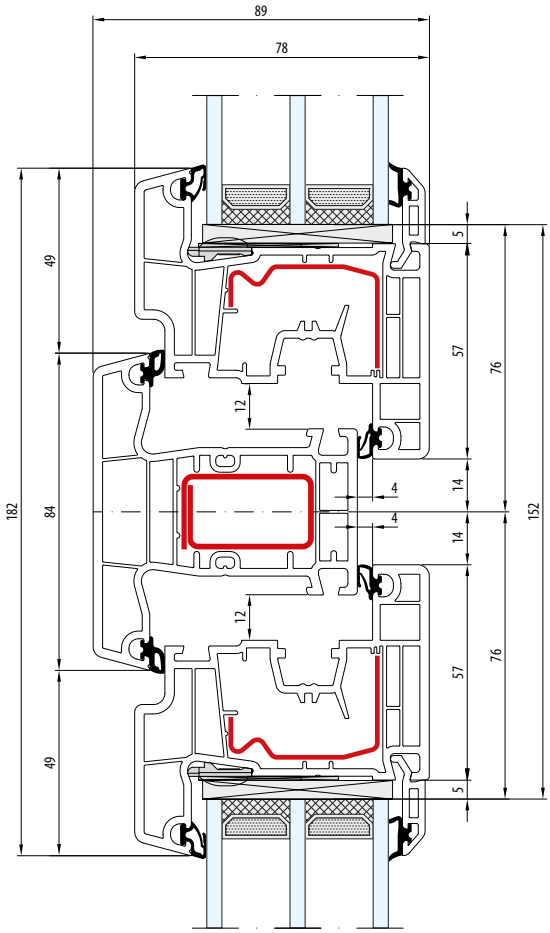




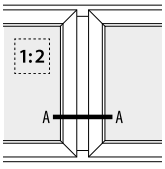






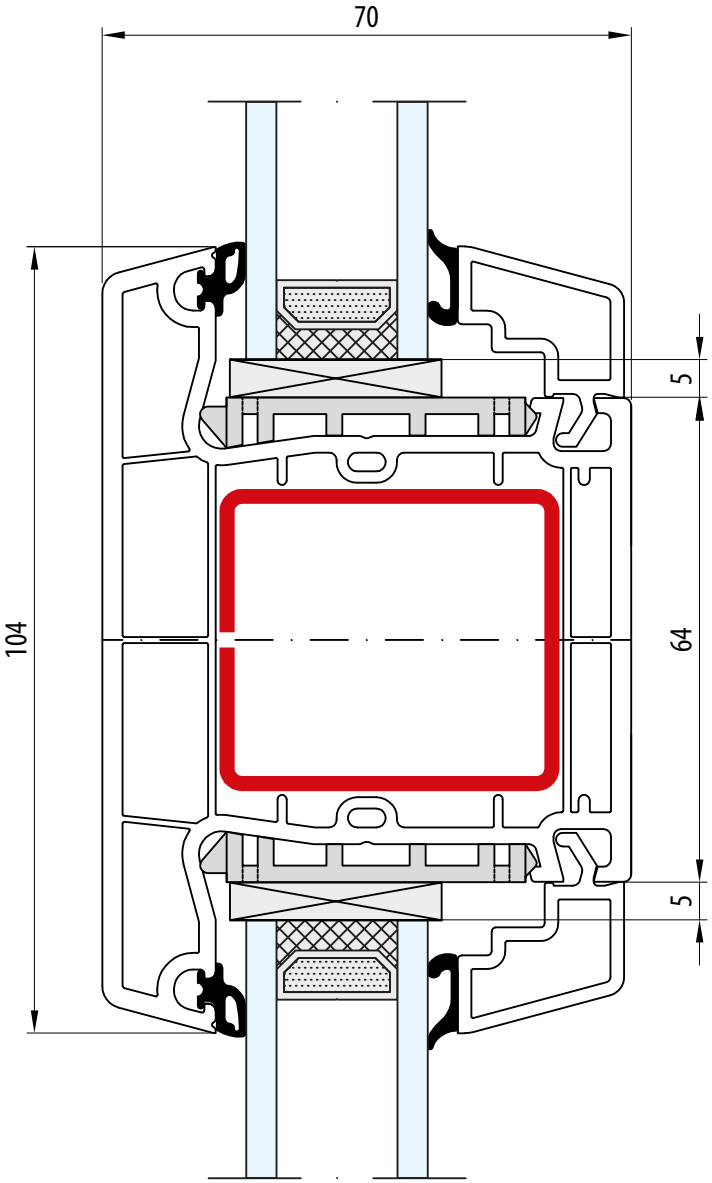



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm



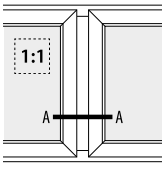
CL

SL
CL
RL



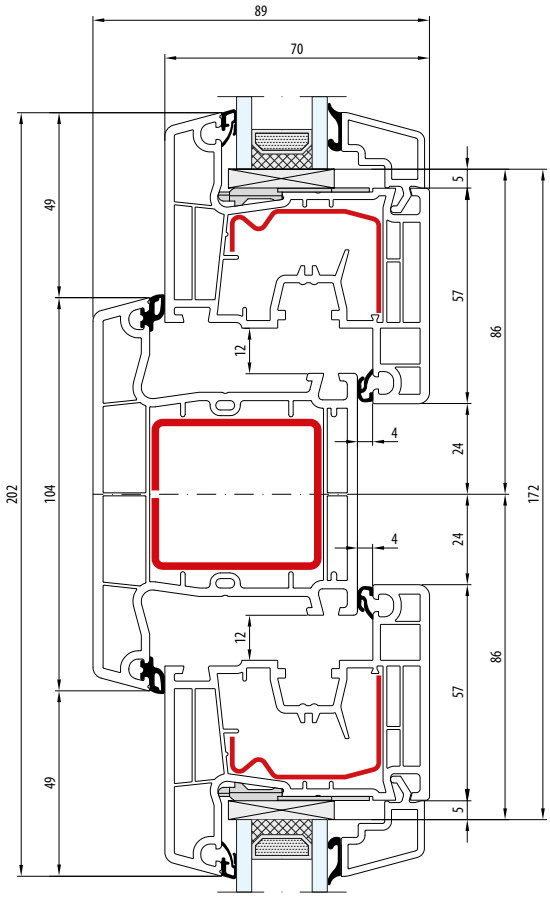

140x45

- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

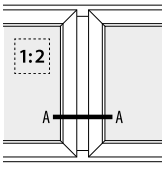


SL
CL

SL
CL
RL

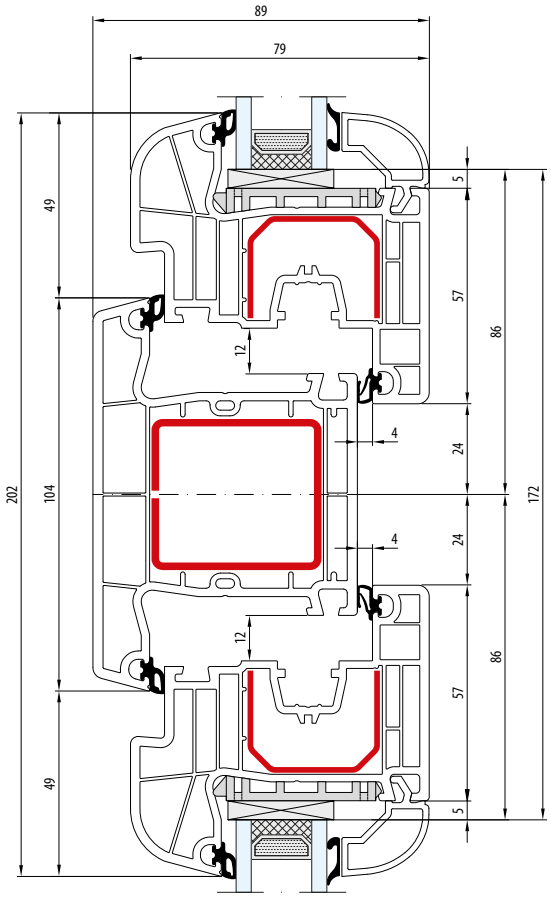



Słupek stały: 104 mm · Skrzydło: 77 mm
Meneau fixe: 104 mm · Vantail: 77 mm
Fix post: 104 mm · Sash: 77 mm
Festem Pfahl: 104 mm · Flügel: 77 mm
Montante fisso: 104 mm · Anta: 77 mm
Vaste stijl: 104 mm · Vleugel: 77 mm

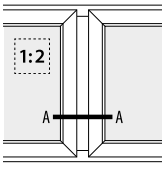


RL

SL
CL
RL




- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm



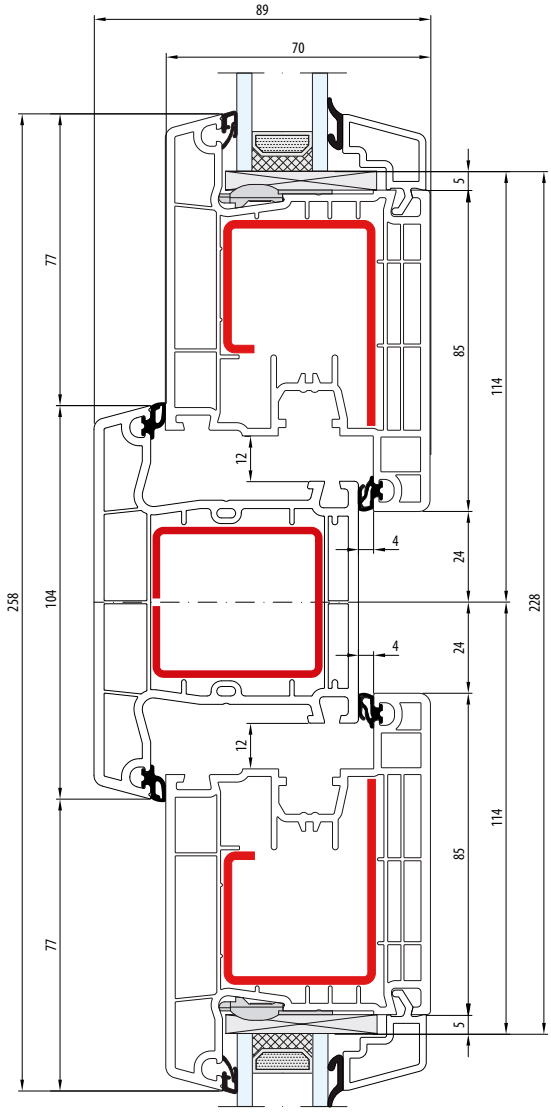




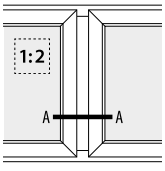






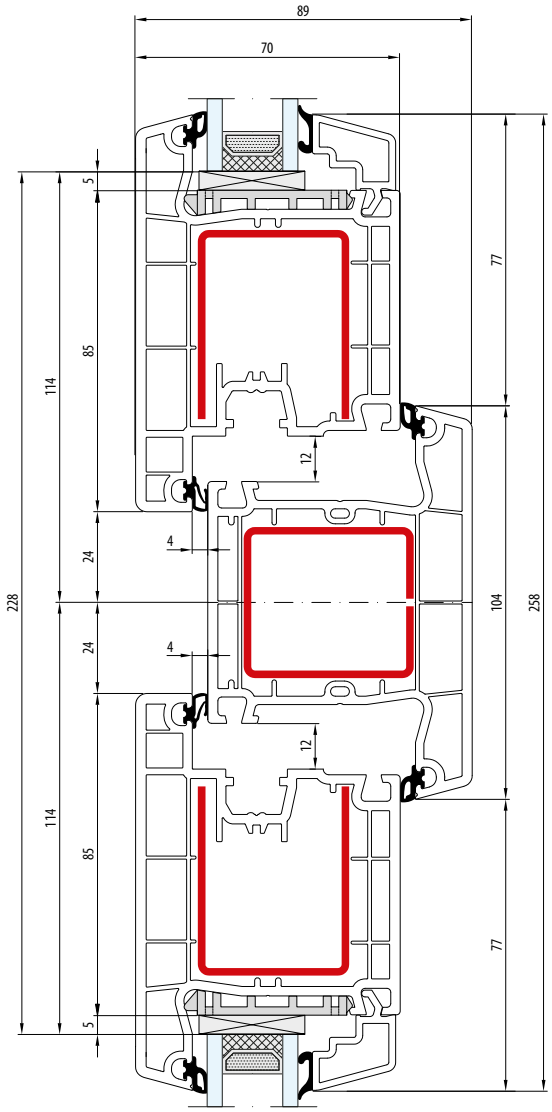



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm

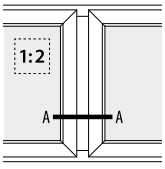


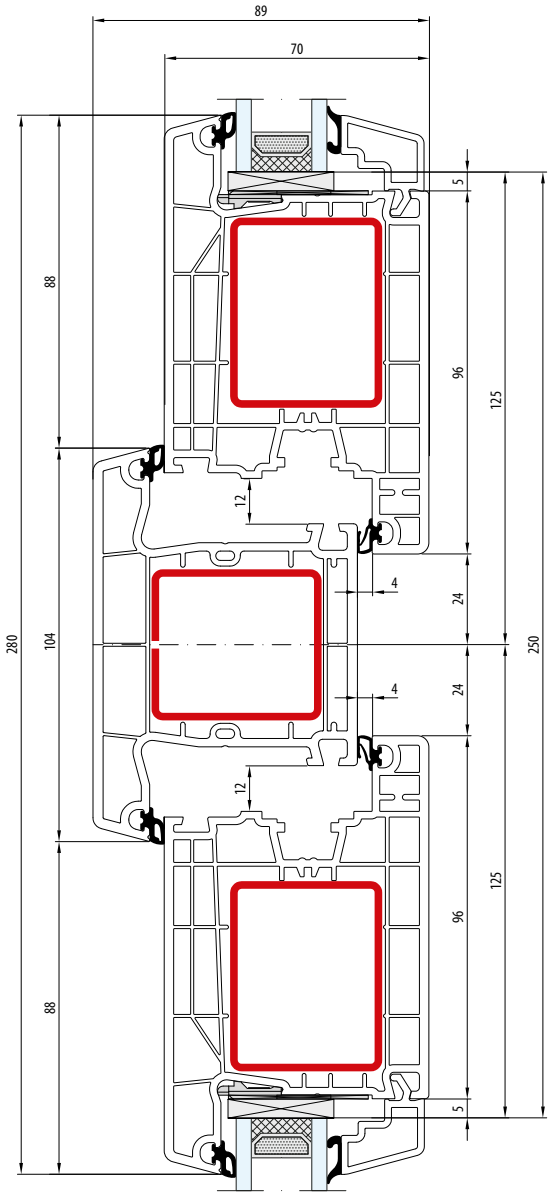
CL

SL CL RL

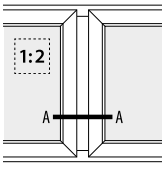



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm



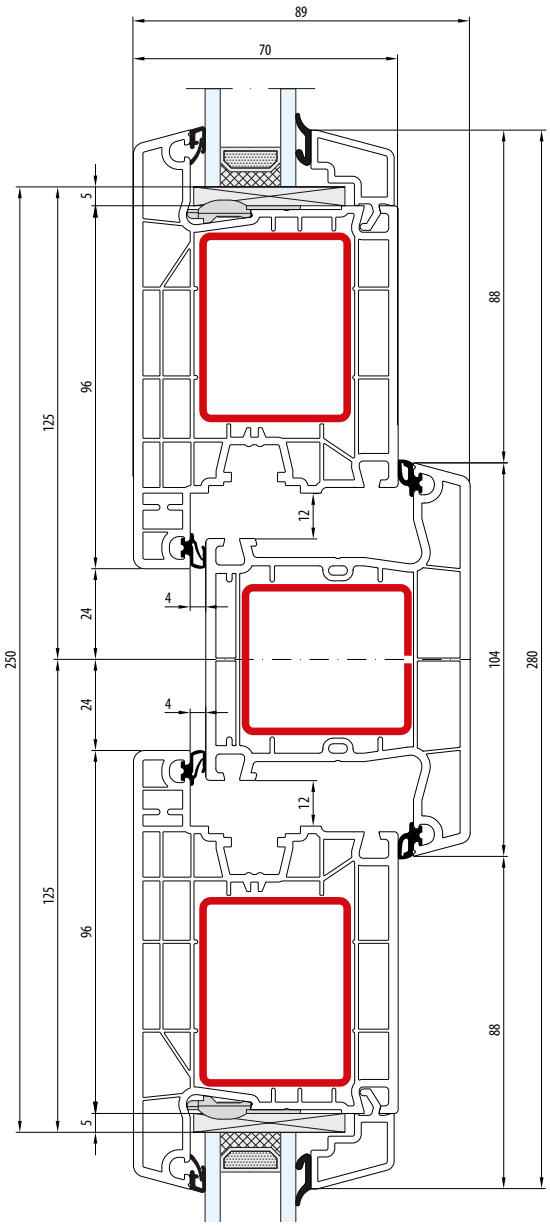



- Słupek stały: 104 mm · Skrzydło: 116 mm
- Meneau fixe: 104 mm · Vantail: 116 mm
- Fix post: 104 mm · Sash: 116 mm
- Festem Pfahl: 104 mm · Flügel: 116 mm
- Montante fisso: 104 mm · Anta: 116 mm
- Vaste stijl: 104 mm · Vleugel: 116 mm

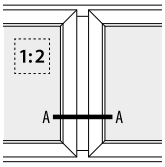


CL

SL
CL
RL




- Słupek stały: 104 mm · Skrzydło: 120 mm
- Meneau fixe: 104 mm · Vantail: 120 mm
- Fix post: 104 mm · Sash: 120 mm
- Festem Pfahl: 104 mm · Flügel: 120 mm
- Montante fisso: 104 mm · Anta: 120 mm
- Vaste stijl: 104 mm · Vleugel: 120 mm









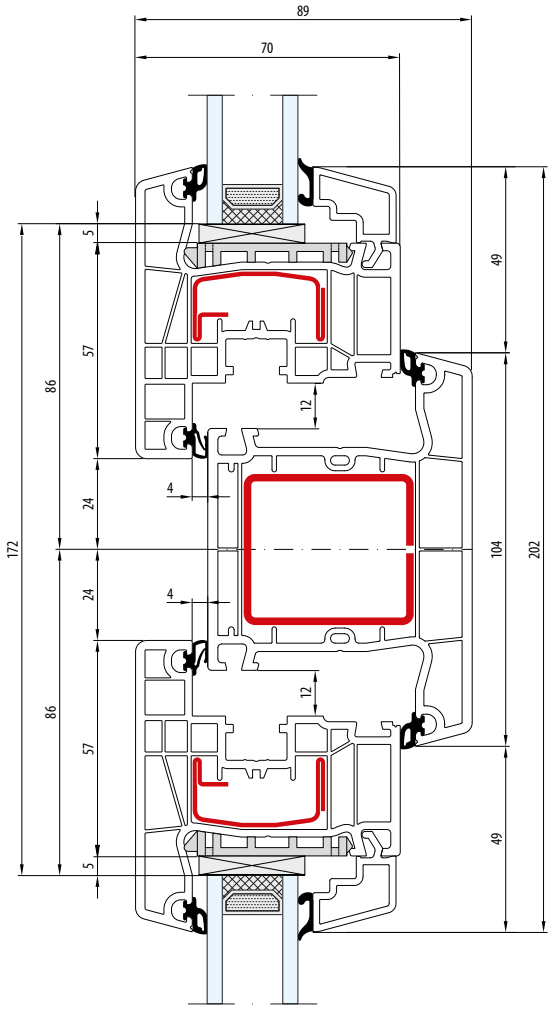




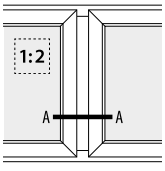






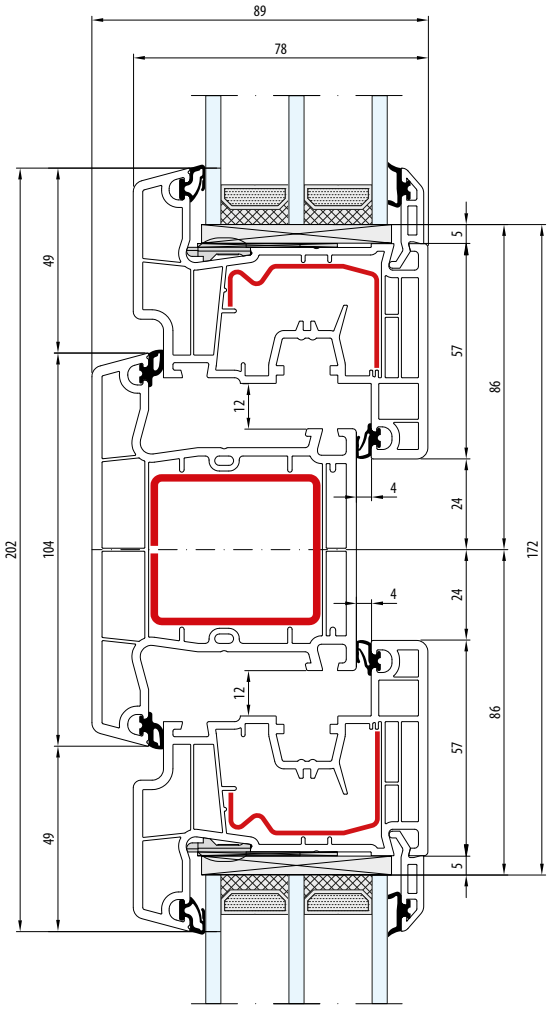



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

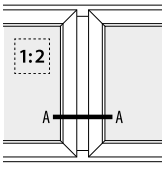


CL

SL
CL
RL

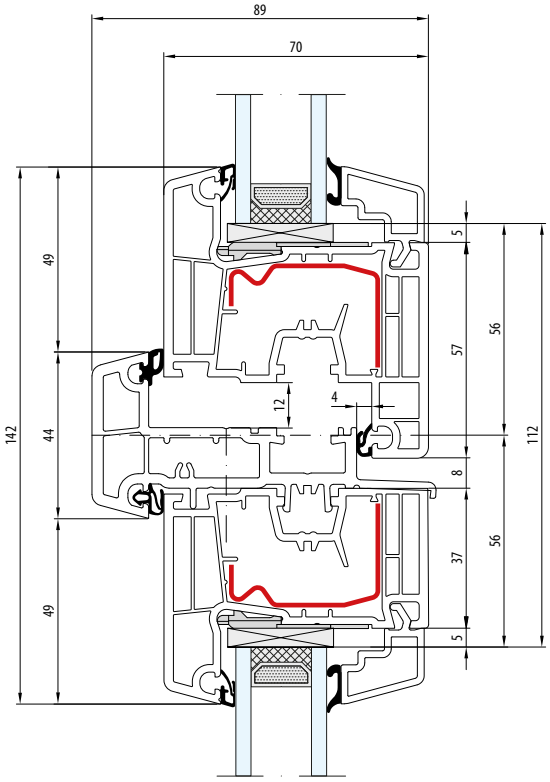



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

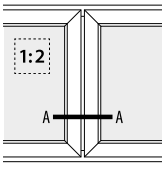


SL
CL

SL
CL
RL

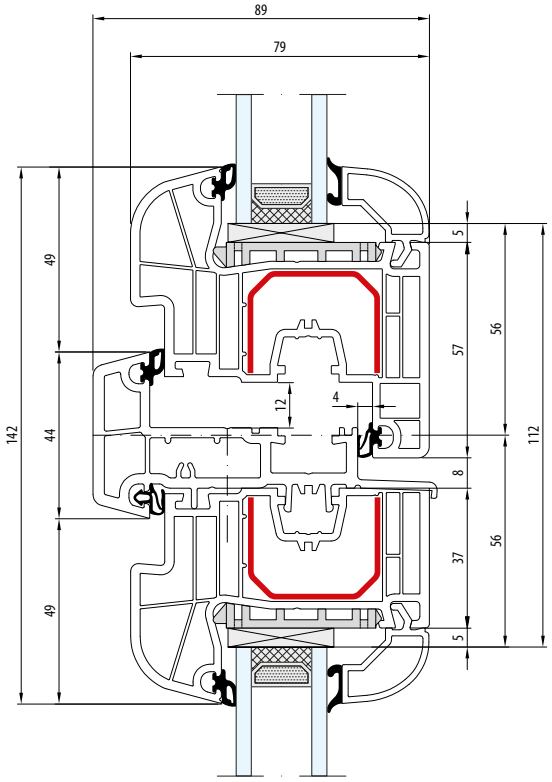



Słupek ruchomy: 44 mm · Skrzydło: 77 mm / 57 mm
Meneau mobile: 44 mm · Vantail: 77 mm / 57 mm
Movable post: 44 mm · Sash: 77 mm / 57 mm
Stulp: 44 mm · Flügel: 77 mm / 57 mm
Montante mobile: 44 mm · Anta: 77 mm / 57 mm
Verplaatsbare stijl: 44 mm · Vleugel: 77 mm / 57 mm

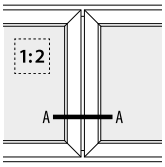


RL

SL
CL
RL

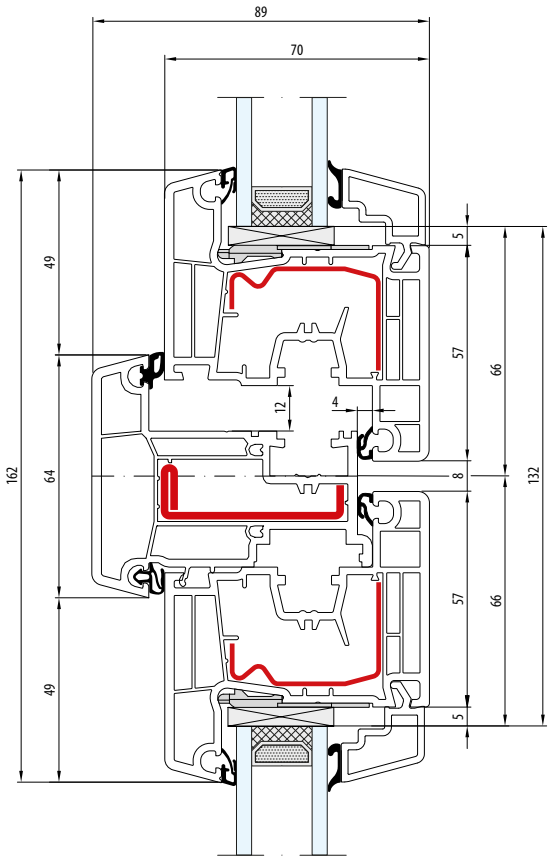



- Słupek ruchomy: 44 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 44 mm · Vantail: 77 mm / 57 mm
- Movable post: 44 mm · Sash: 77 mm / 57 mm
- Stulp: 44 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 44 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 44 mm · Vleugel: 77 mm / 57 mm

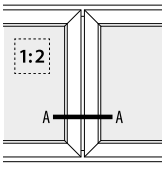


SL
CL

SL
CL
RL

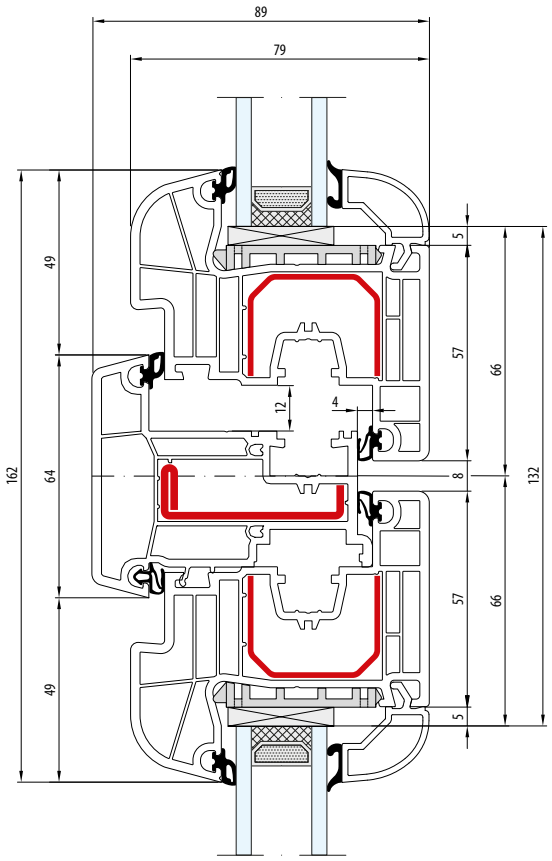



Słupek ruchomy: 64 mm · Skrzydło: 77 mm
Meneau mobile: 64 mm · Vantail: 77 mm
Movable post: 64 mm · Sash: 77 mm
Stulp: 64 mm · Flügel: 77 mm
Montante mobile: 64 mm · Anta: 77 mm
Verplaatsbare stijl: 64 mm · Vleugel: 77 mm

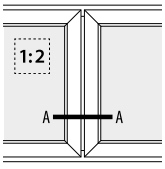


RL

SL
CL
RL




- Słupek ruchomy: 64 mm · Skrzydło: 77 mm
- Meneau mobile: 64 mm · Vantail: 77 mm
- Movable post: 64 mm · Sash: 77 mm
- Stulp: 64 mm · Flügel: 77 mm
- Montante mobile: 64 mm · Anta: 77 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm



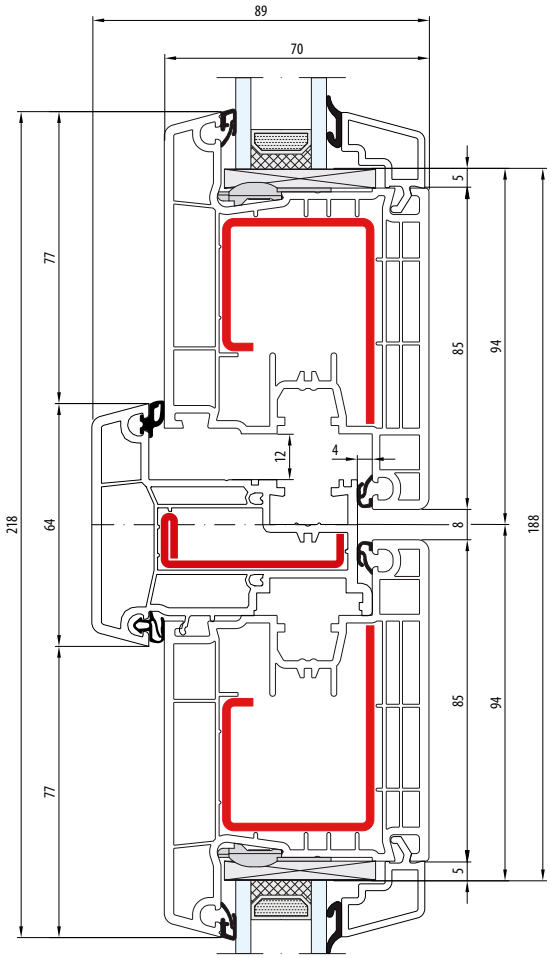




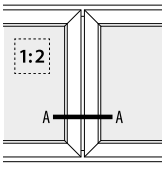






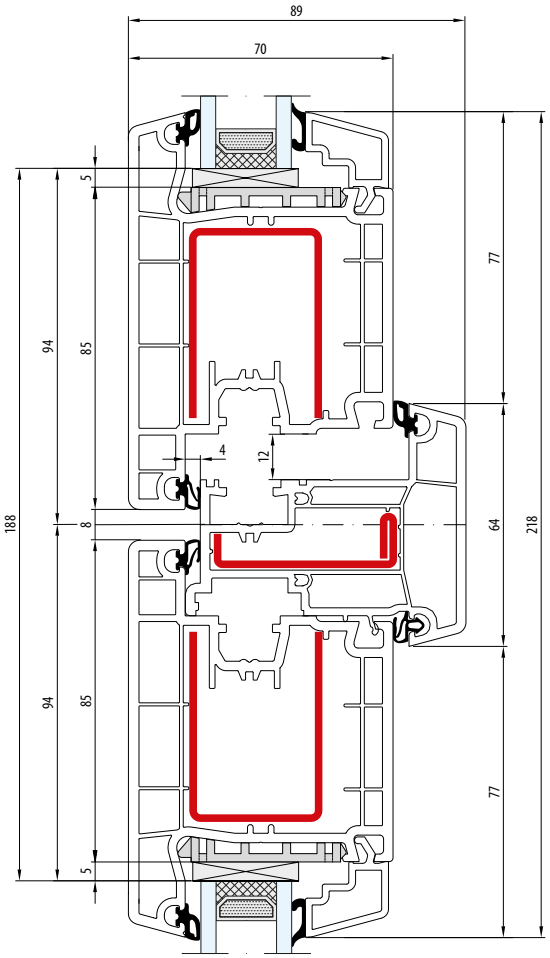



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm
- Meneau mobile: 64 mm · Vantail: 105 mm
- Movable post: 64 mm · Sash: 105 mm
- Stulp: 64 mm · Flügel: 105 mm
- Montante mobile: 64 mm · Anta: 105 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm

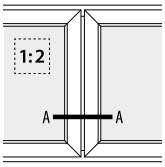


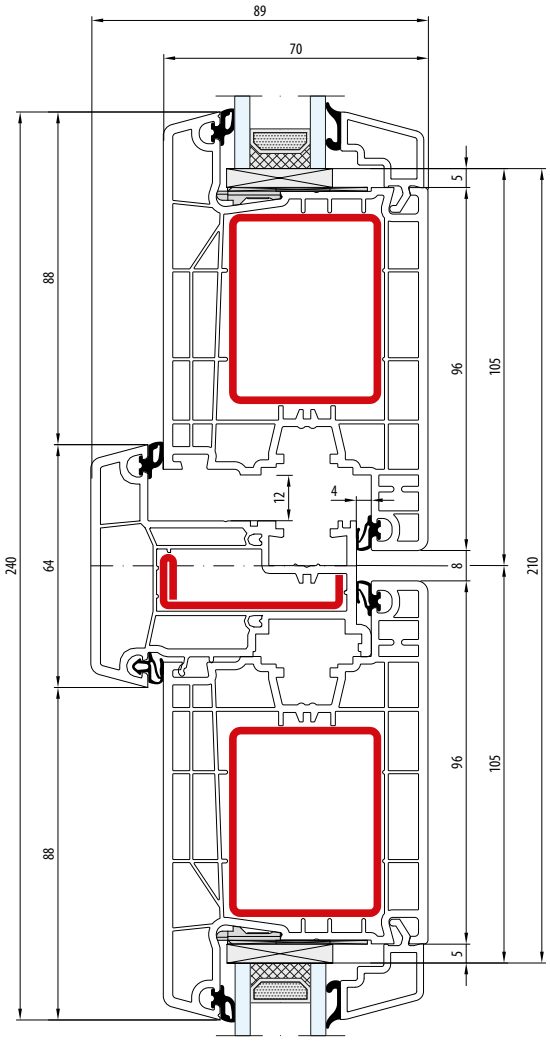
CL

SL
CL
RL

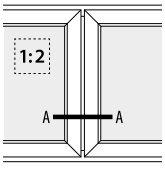



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm
- Meneau mobile: 64 mm · Vantail: 105 mm
- Movable post: 64 mm · Sash: 105 mm
- Stulp: 64 mm · Flügel: 105 mm
- Montante mobile: 64 mm · Anta: 105 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm



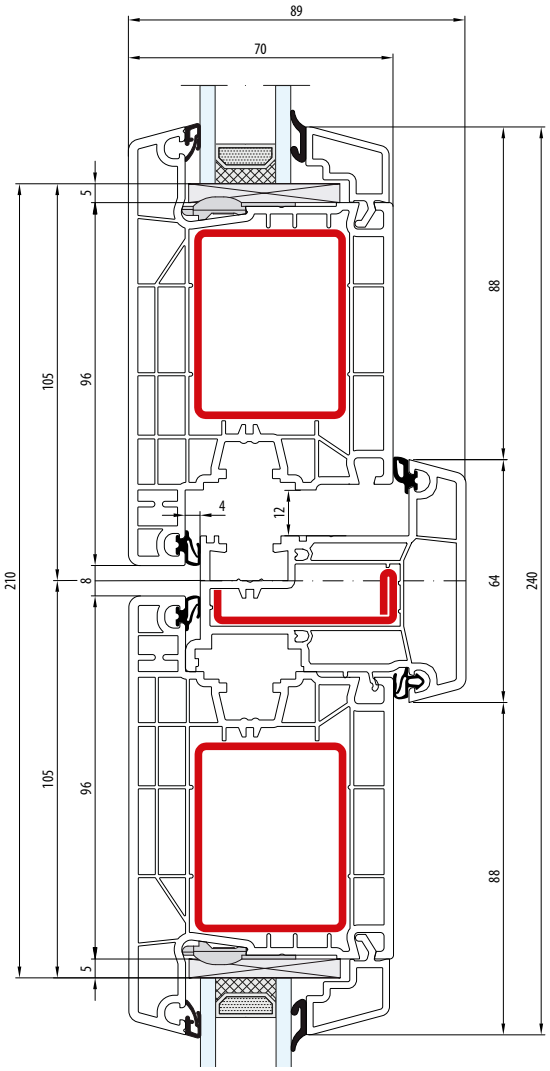



- Słupek ruchomy: 64 mm · Skrzydło: 116 mm
- Meneau mobile: 64 mm · Vantail: 116 mm
- Movable post: 64 mm · Sash: 116 mm
- Stulp: 64 mm · Flügel: 116 mm
- Montante mobile: 64 mm · Anta: 116 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 116 mm

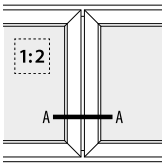


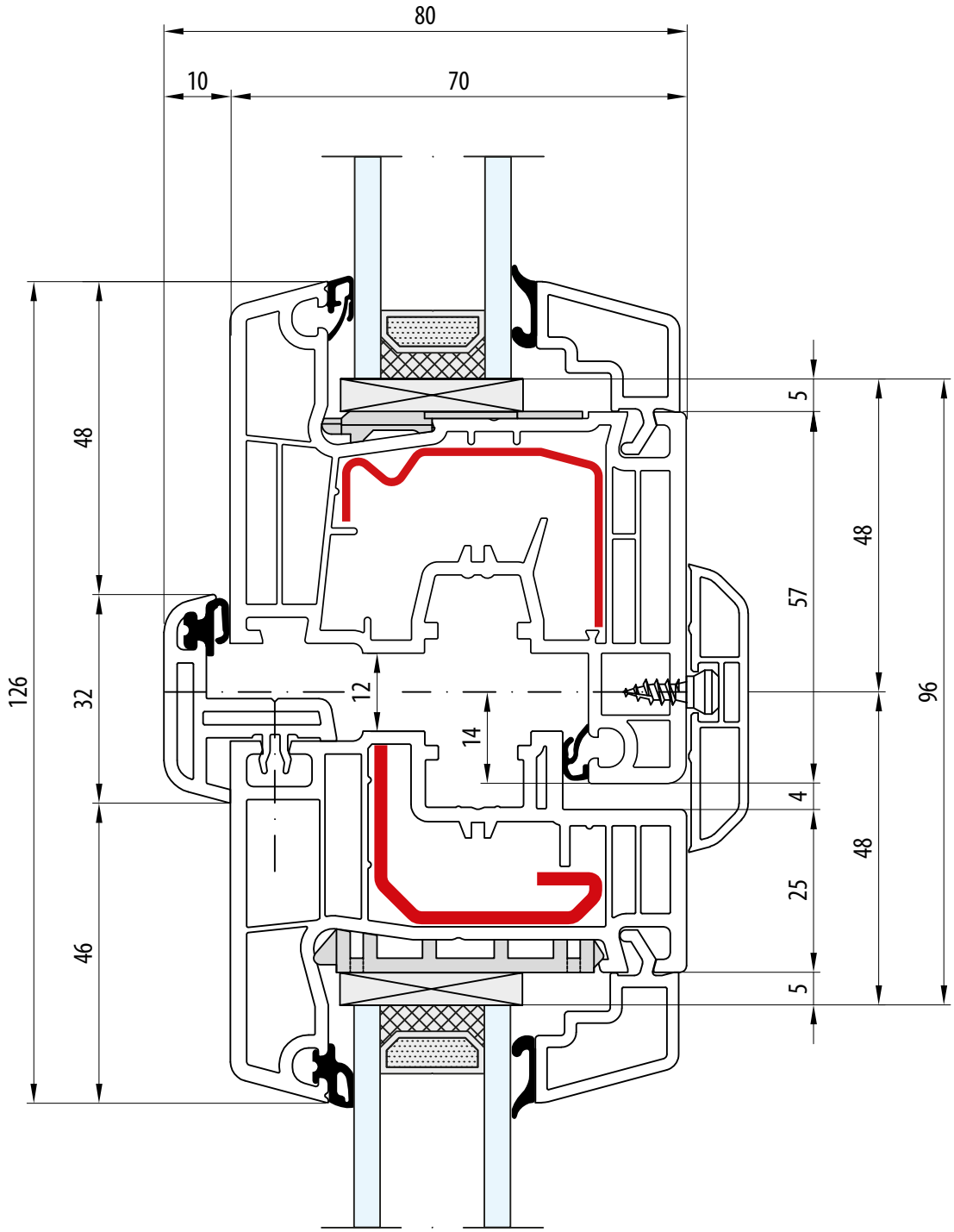
CL

SL
CL
RL

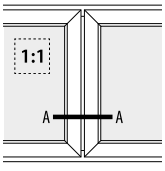



- Słupek ruchomy: 64 mm · Skrzydło: 120 mm
- Meneau mobile: 64 mm · Vantail: 120 mm
- Movable post: 64 mm · Sash: 120 mm
- Stulp: 64 mm · Flügel: 120 mm
- Montante mobile: 64 mm · Anta: 120 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 120 mm



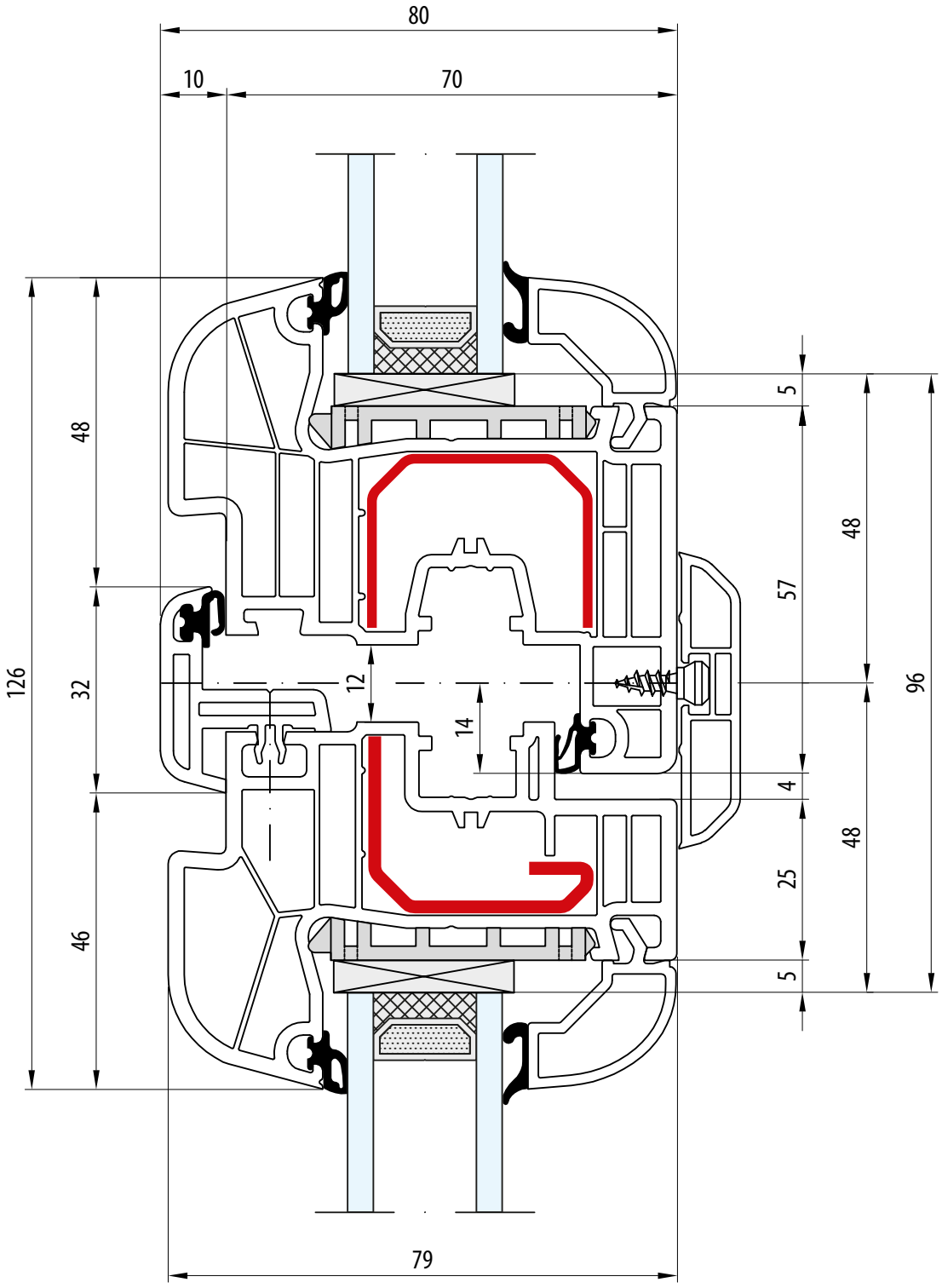



- Klamka centralna · Skrzydło: 77 mm
- Battue centrée · Vantail: 77 mm
- Central handle · Sash: 77 mm
- Zentrale Olive · Flügel: 77 mm
- Maniglia centrale · Anta: 77 mm
- Centrale handgreep · Vleugel: 77 mm



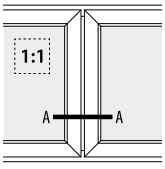
RL

SL
CL
RL



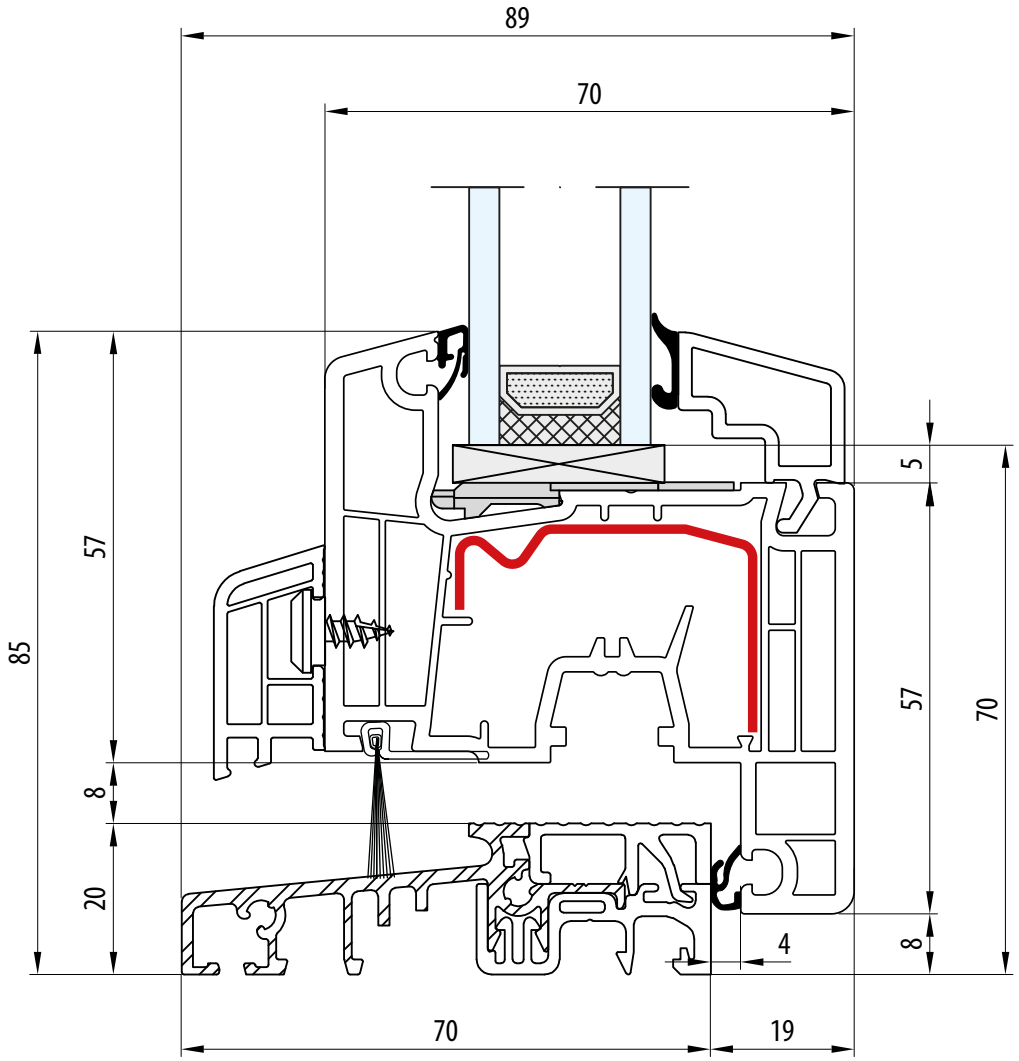



- Klamka centralna · Skrzydło: 77 mm
- Battue centrée · Vantail: 77 mm
- Central handle · Sash: 77 mm
- Zentrale Olive · Flügel: 77 mm
- Maniglia centrale · Anta: 77 mm
- Centrale handgreep · Vleugel: 77 mm

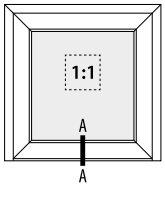


SL
CL

SL
CL
RL

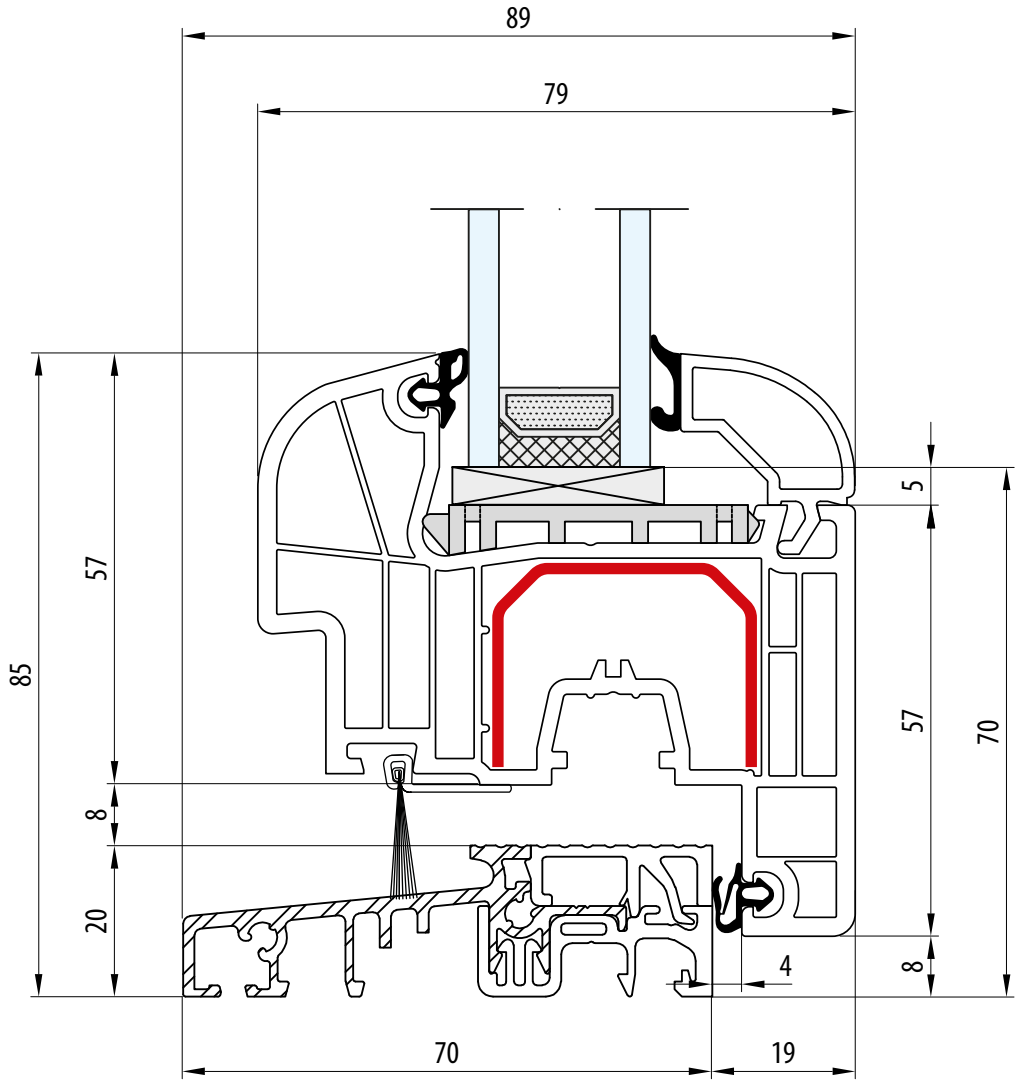



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

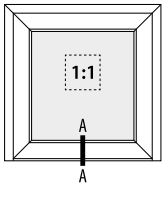


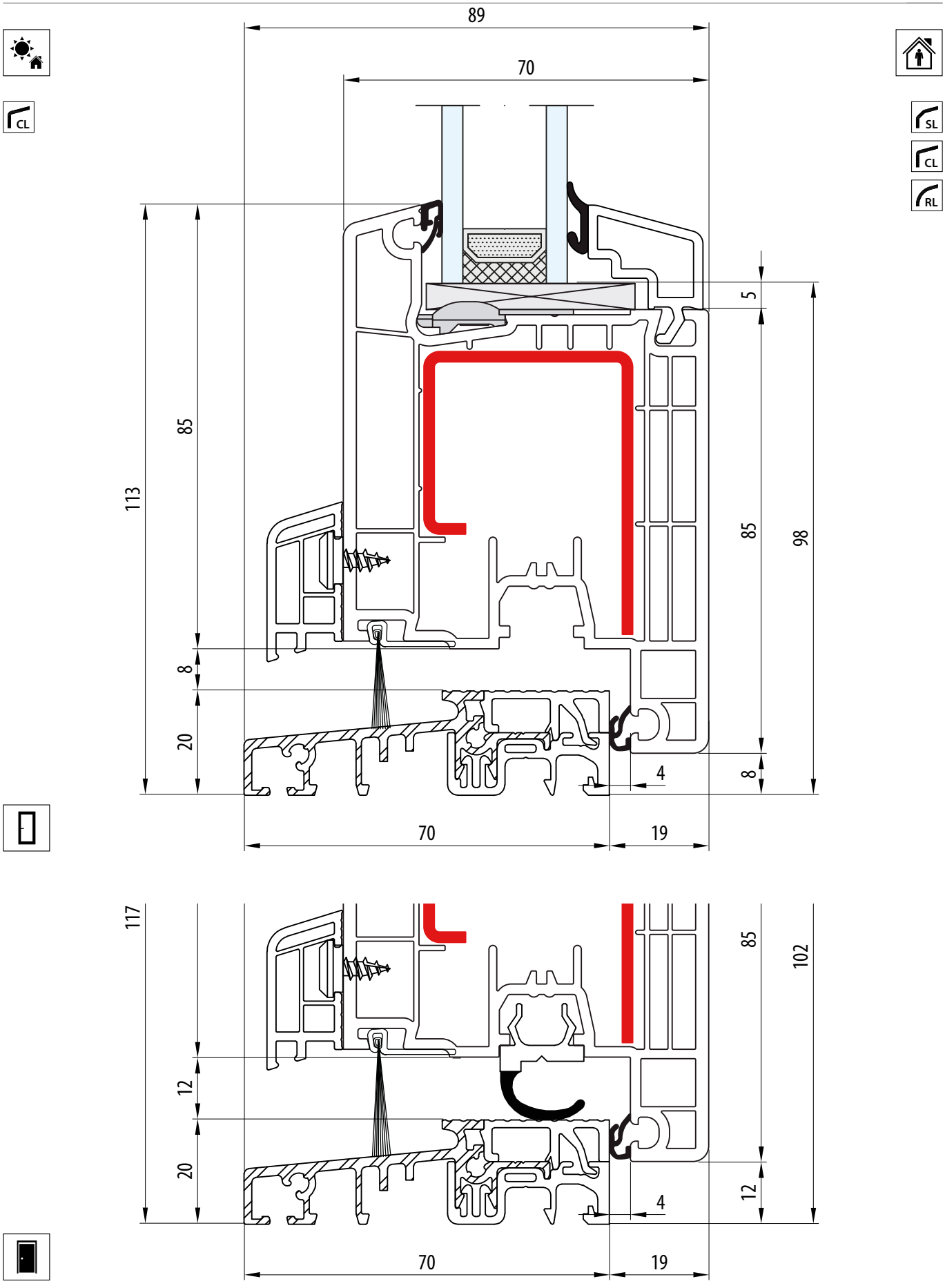
RL

SL
CL
RL

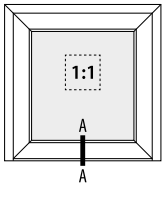



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm



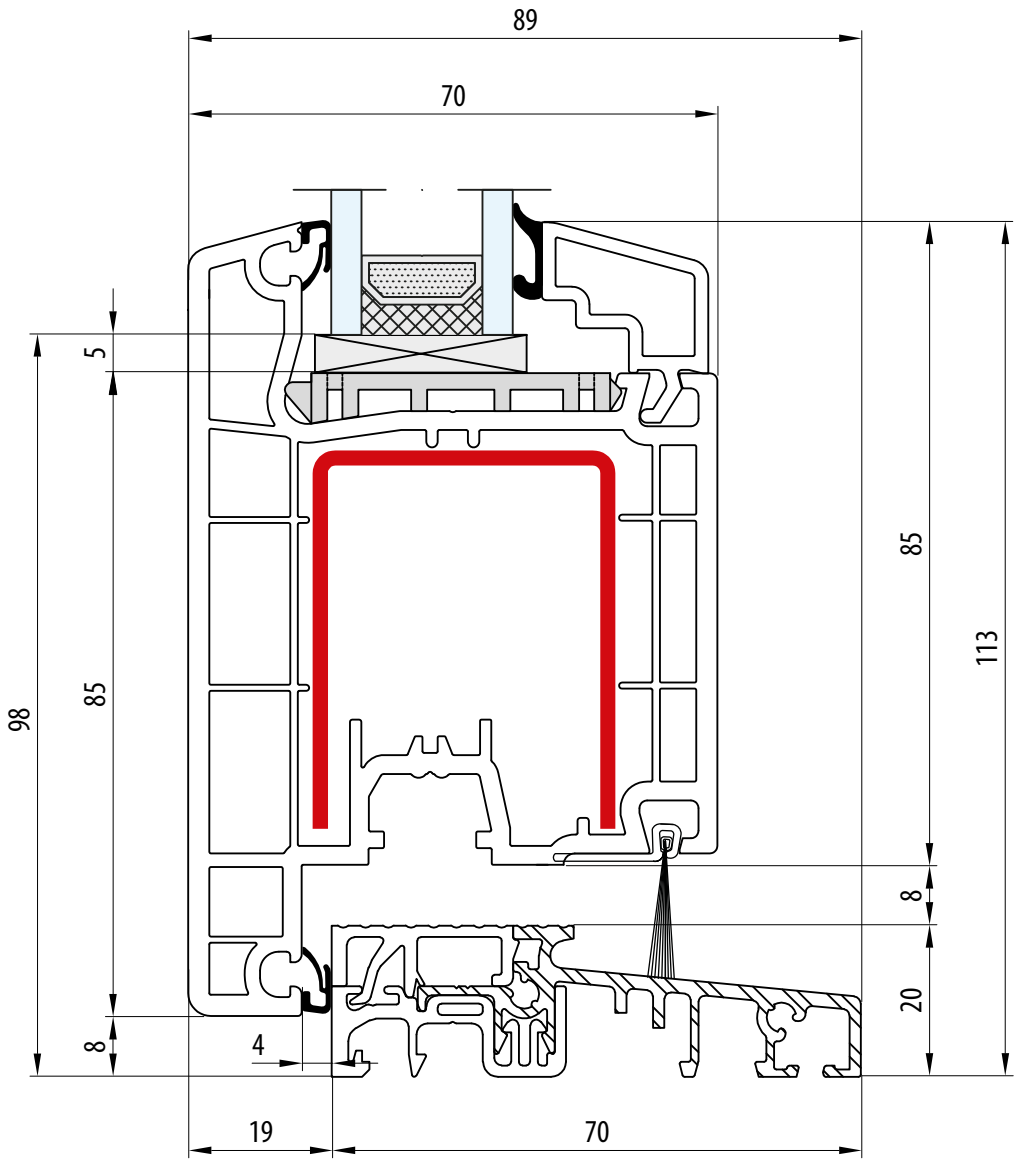


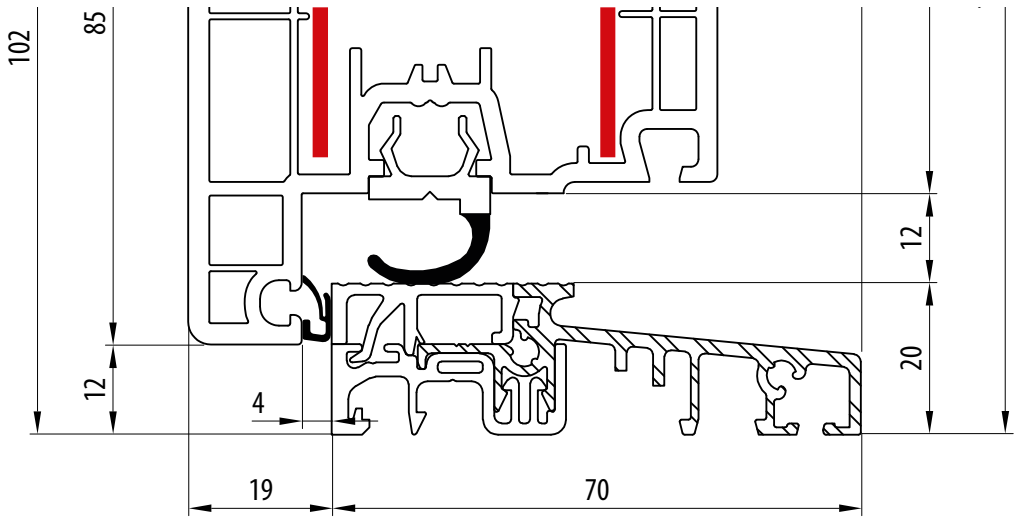

- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm



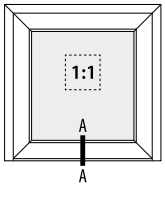
CL

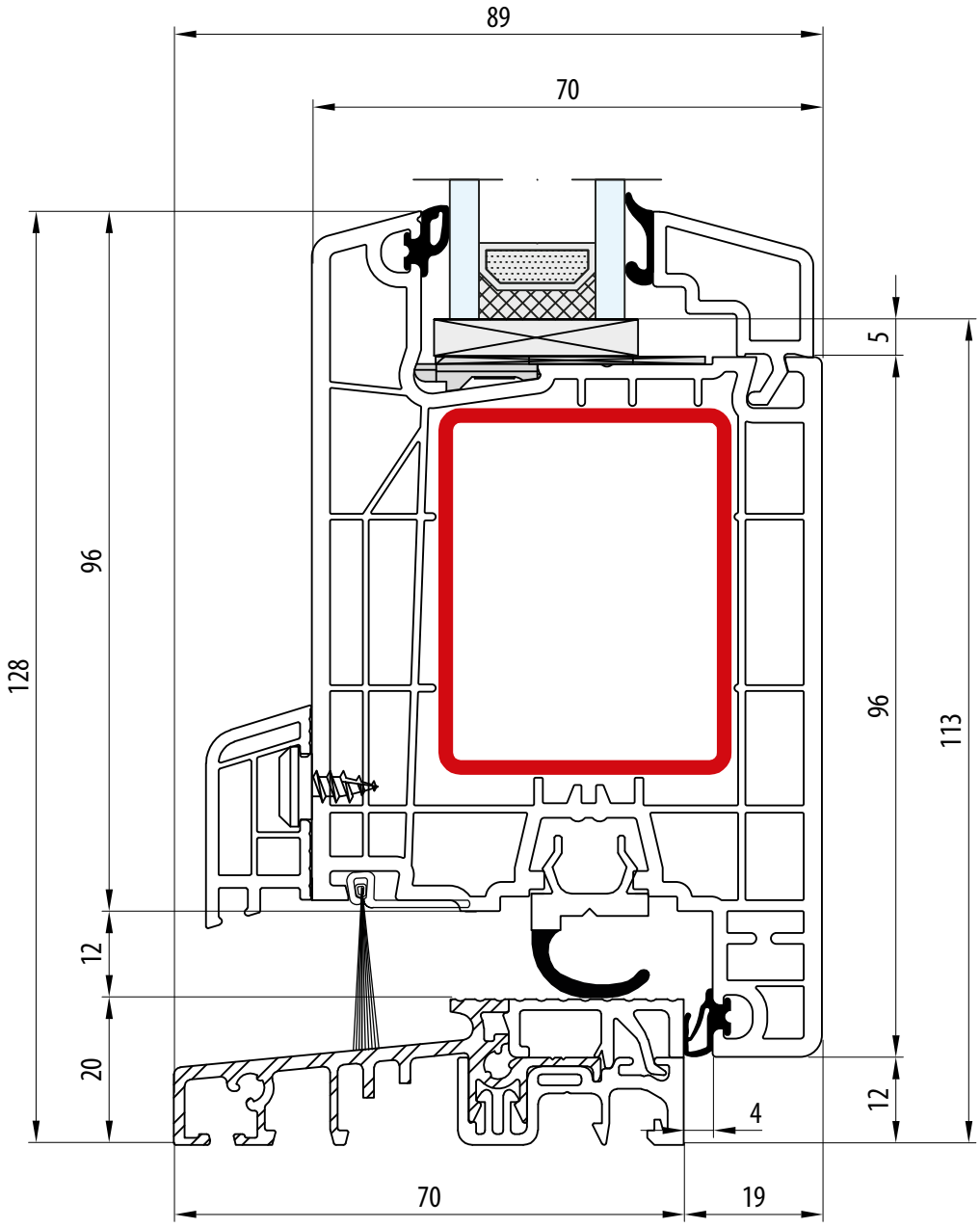
SL
CL
RL



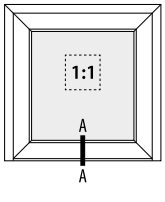




Próg: 20 mm · Skrzydło: 105 mm
Seuil: 20 mm · Vantail: 105 mm
Threshold: 20 mm · Sash: 105 mm
Schwelle: 20 mm · Flügel: 105 mm
Soglia: 20 mm · Anta: 105 mm
Soglia: 20 mm · Vleugel: 105 mm



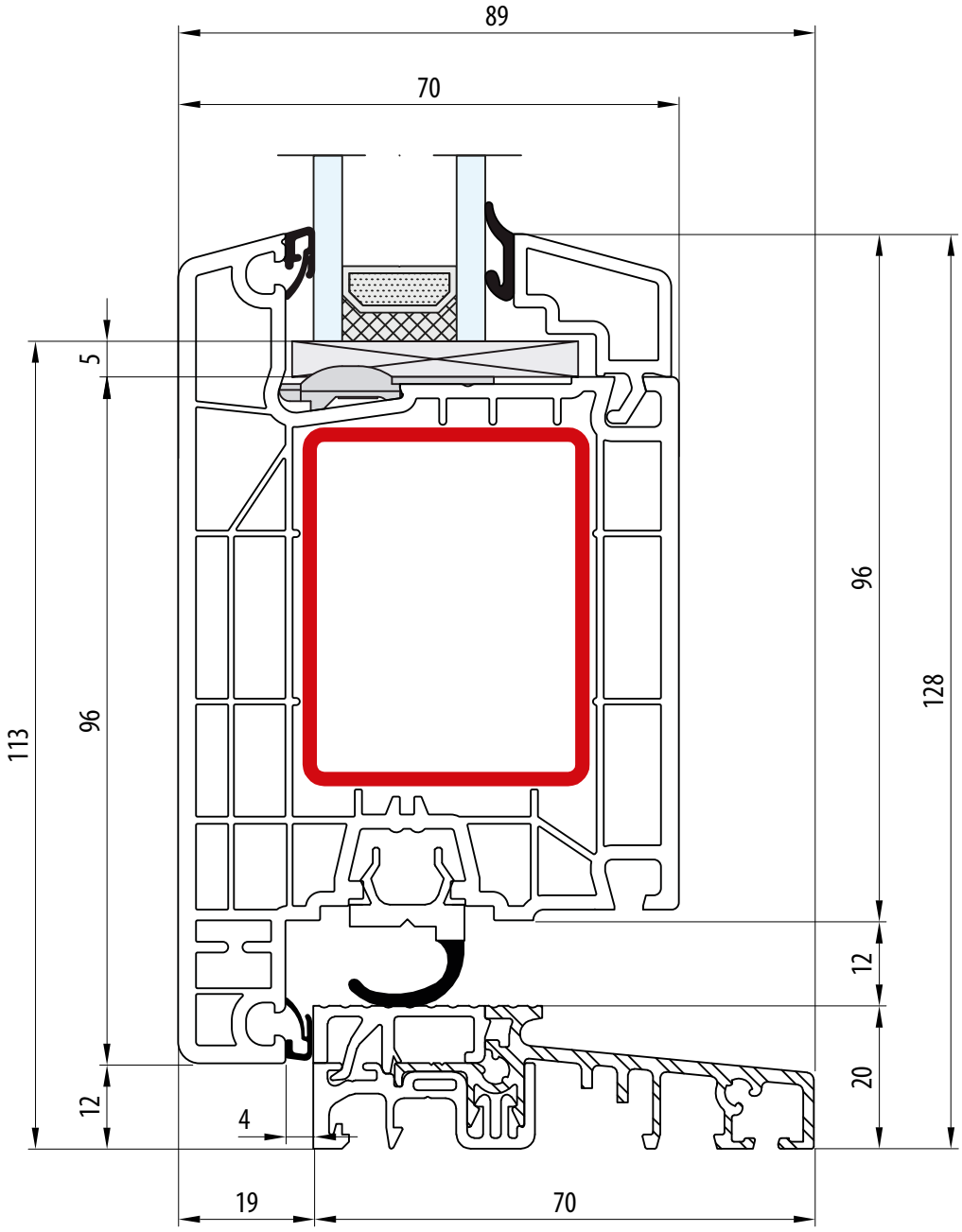



- Próg: 20 mm · Skrzydło: 116 mm
- Seuil: 20 mm · Vantail: 116 mm
- Threshold: 20 mm · Sash: 116 mm
- Schwelle: 20 mm · Flügel: 116 mm
- Soglia: 20 mm · Anta: 116 mm
- Dorpel: 20 mm · Vleugel: 116 mm

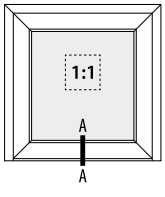


CL

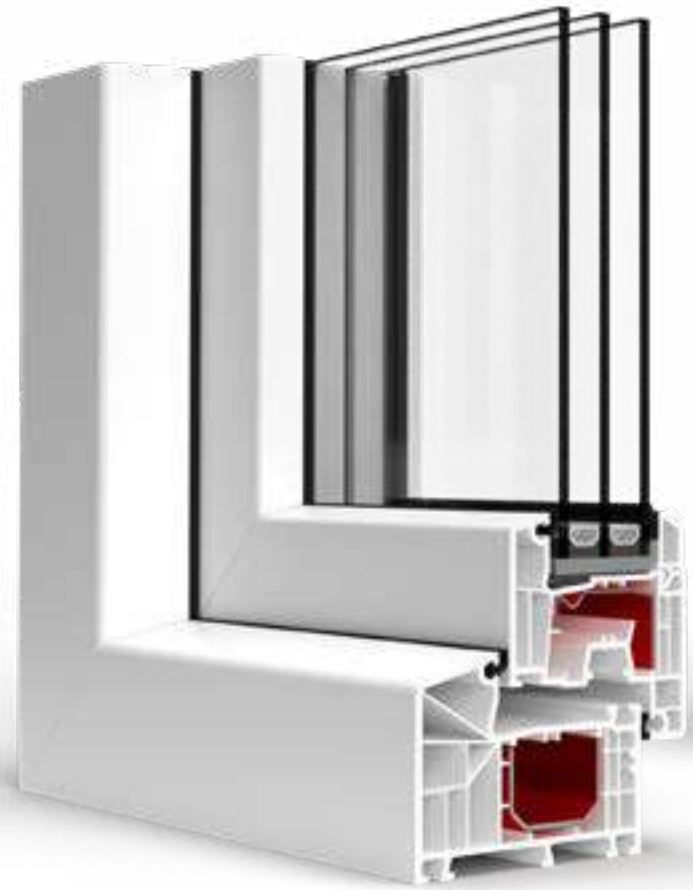
SL
CL
RL

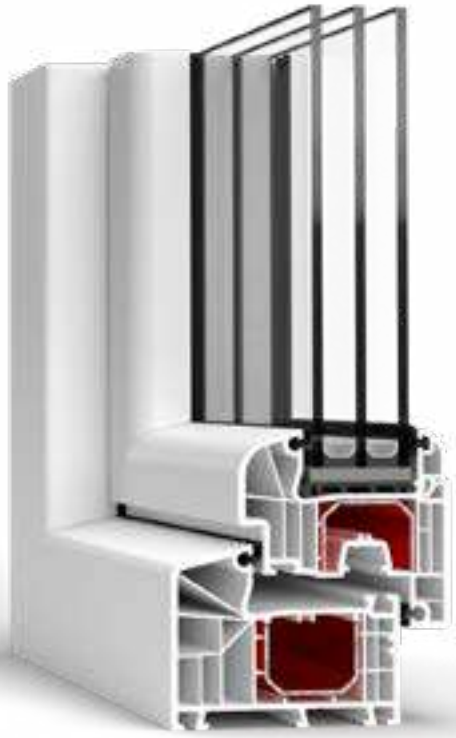


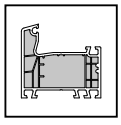

Próg: 20 mm · Skrzydło: 120 mm
Seuil: 20 mm · Vantail: 120 mm
Threshold: 20 mm · Sash: 120 mm
Schwelle: 20 mm · Flügel: 120 mm
Soglia: 20 mm · Anta: 120 mm
Dorpel: 20 mm · Vleugel: 120 mm



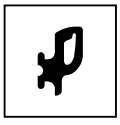
# IDEAL 4000 NEW



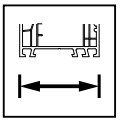




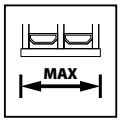
6



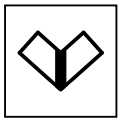
2

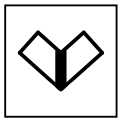


85

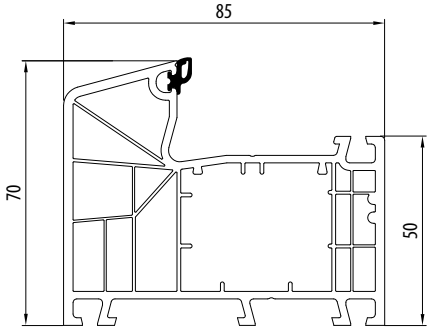



42

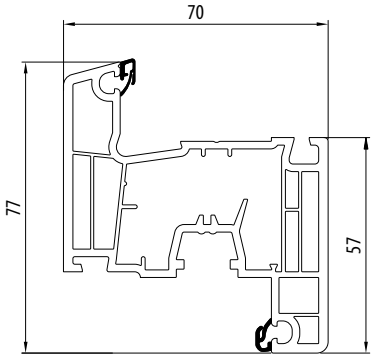


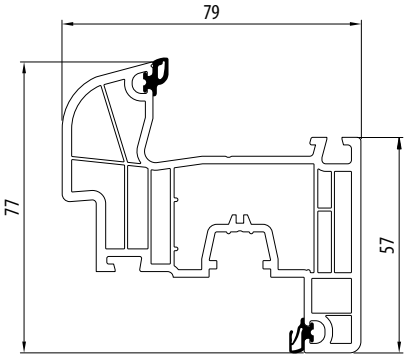




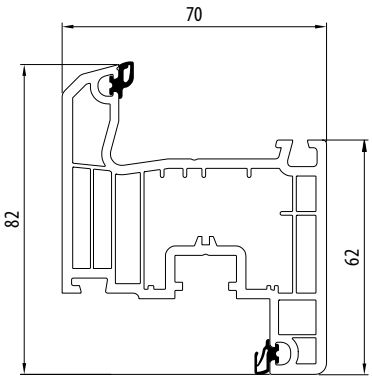

CL 140x00



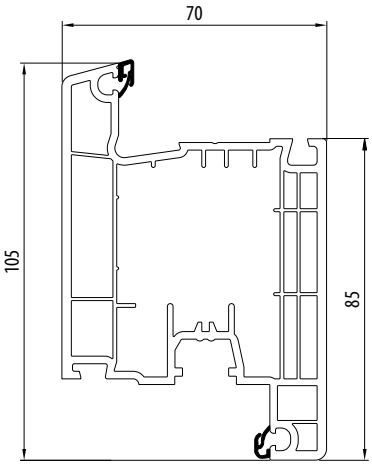

CL 140x20




RL 140x22

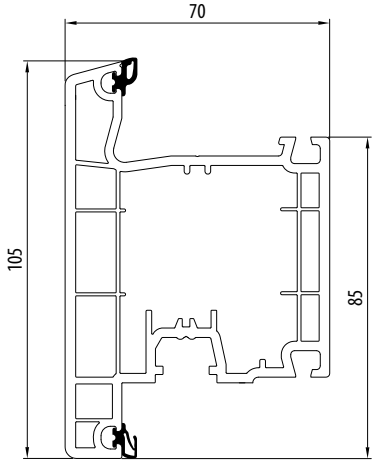



SL A* CLASS 140x23

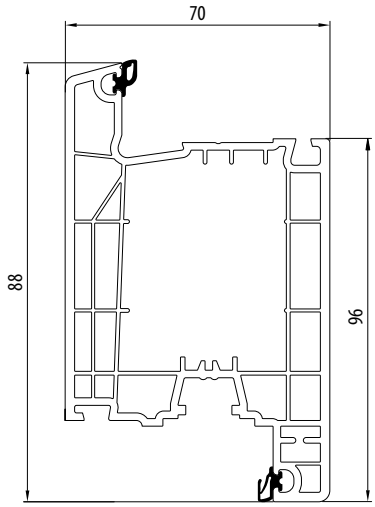



CL 140x30

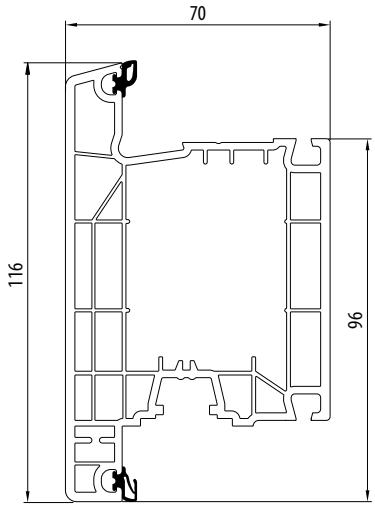
1:2



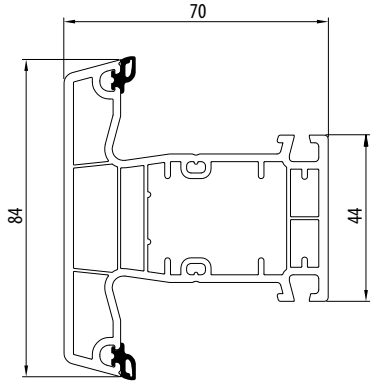

CL 140x31



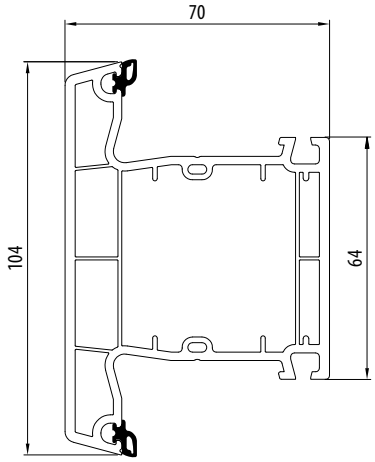

CL 140x33



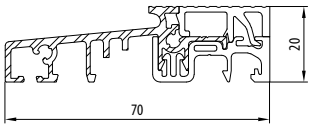

CL 140x35




CL 140x41




CL 140x45

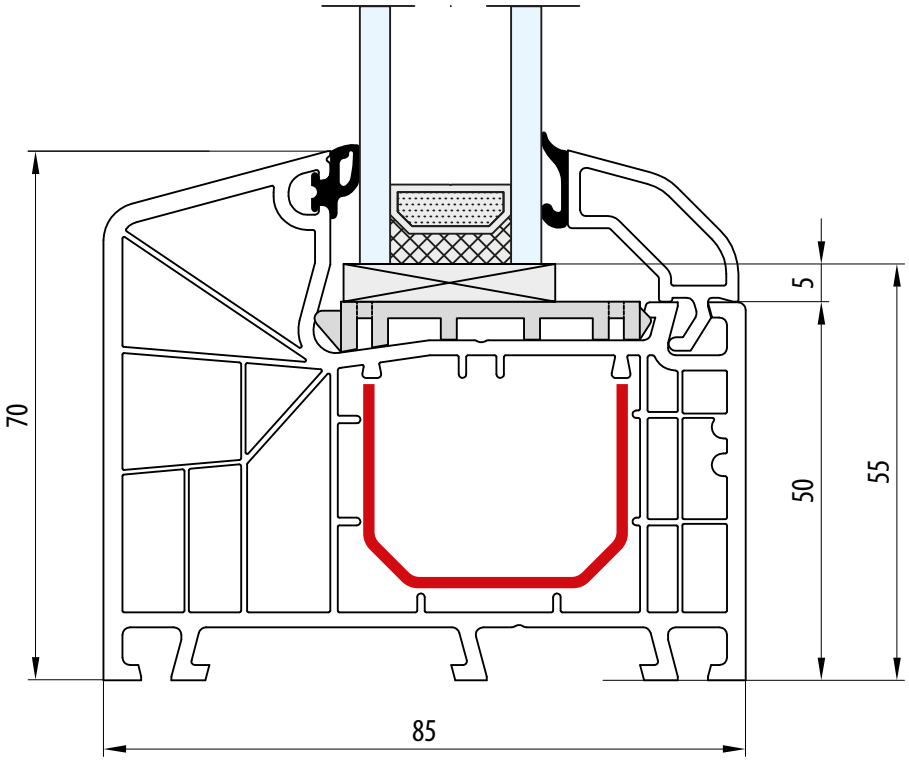



alu - 20 mm

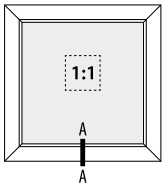
1:2

CL

SL
CL
RL

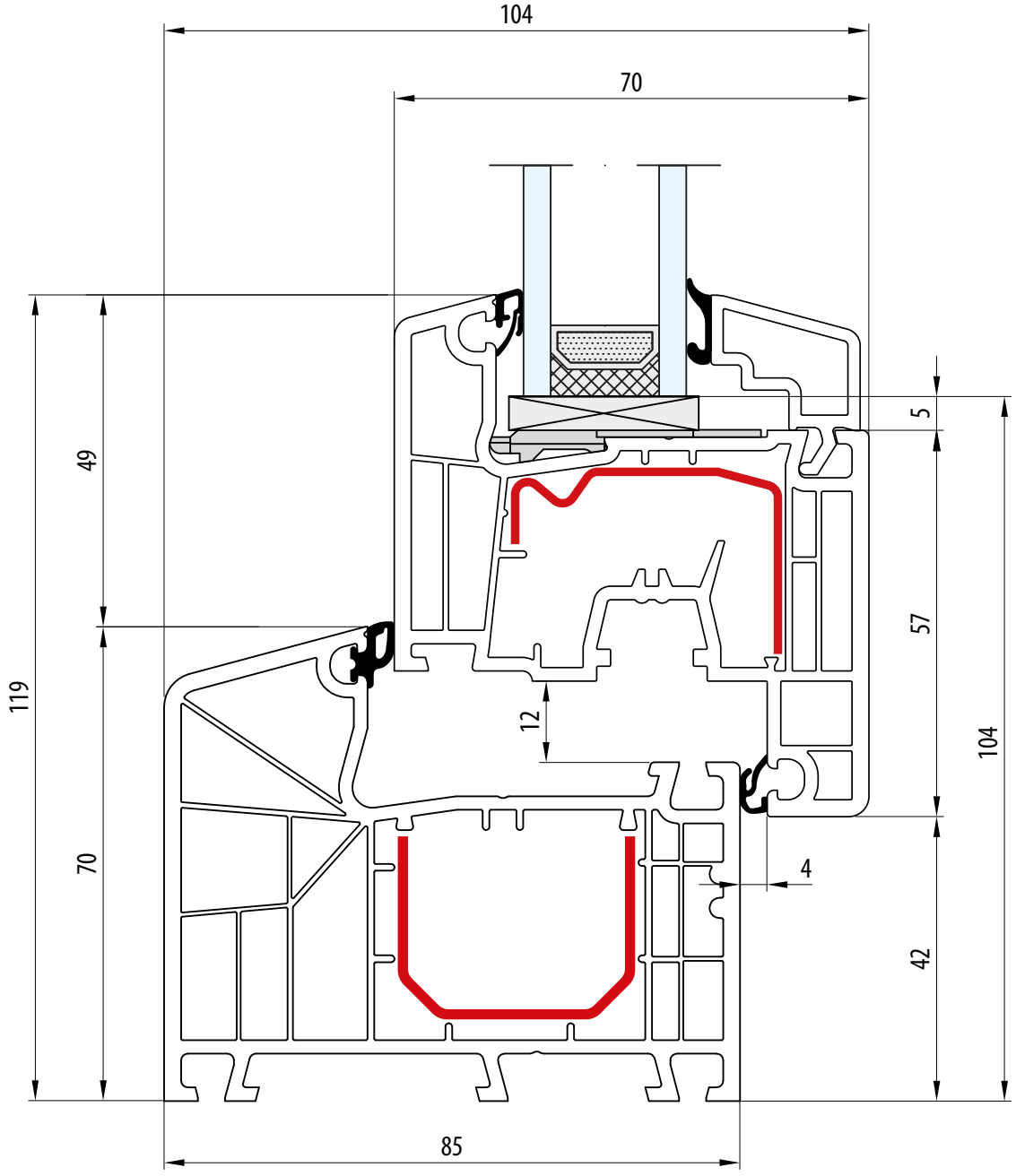



Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kader: 70 mm

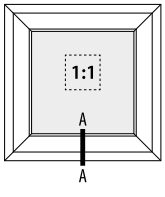


SL
CL

SL
CL
RL

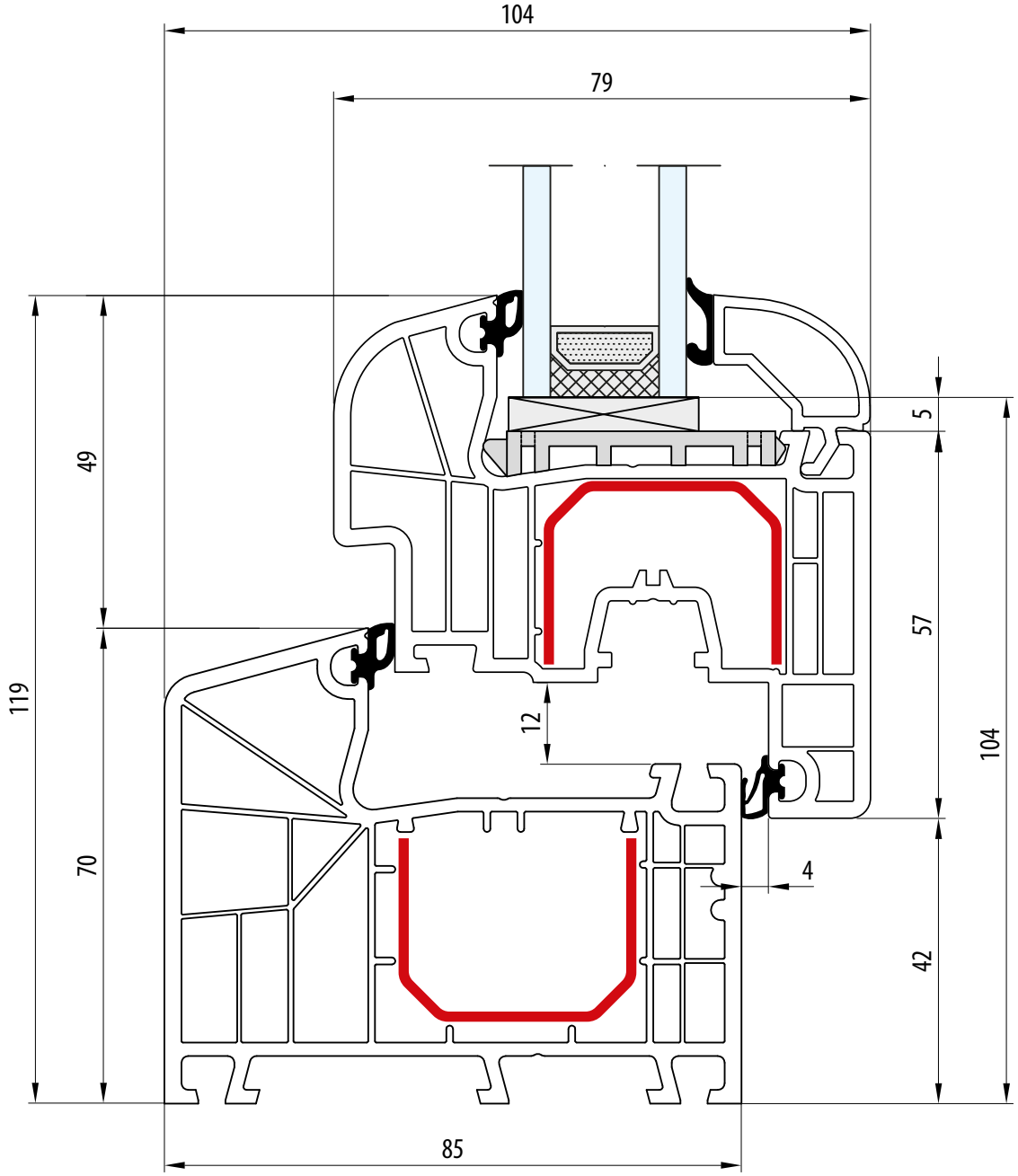



- Rama: 70 mm · Skrzydło: 77 mm
- Dormant: 70 mm · Vantail: 77 mm
- Frame: 70 mm · Sash: 77 mm
- Rahmen: 70 mm · Flügel: 77 mm
- Telaio: 70 mm · Anta: 77 mm
- Kader: 70 mm · Vleugel: 77 mm

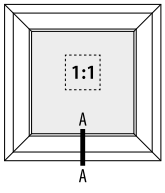


RL

SL
CL
RL

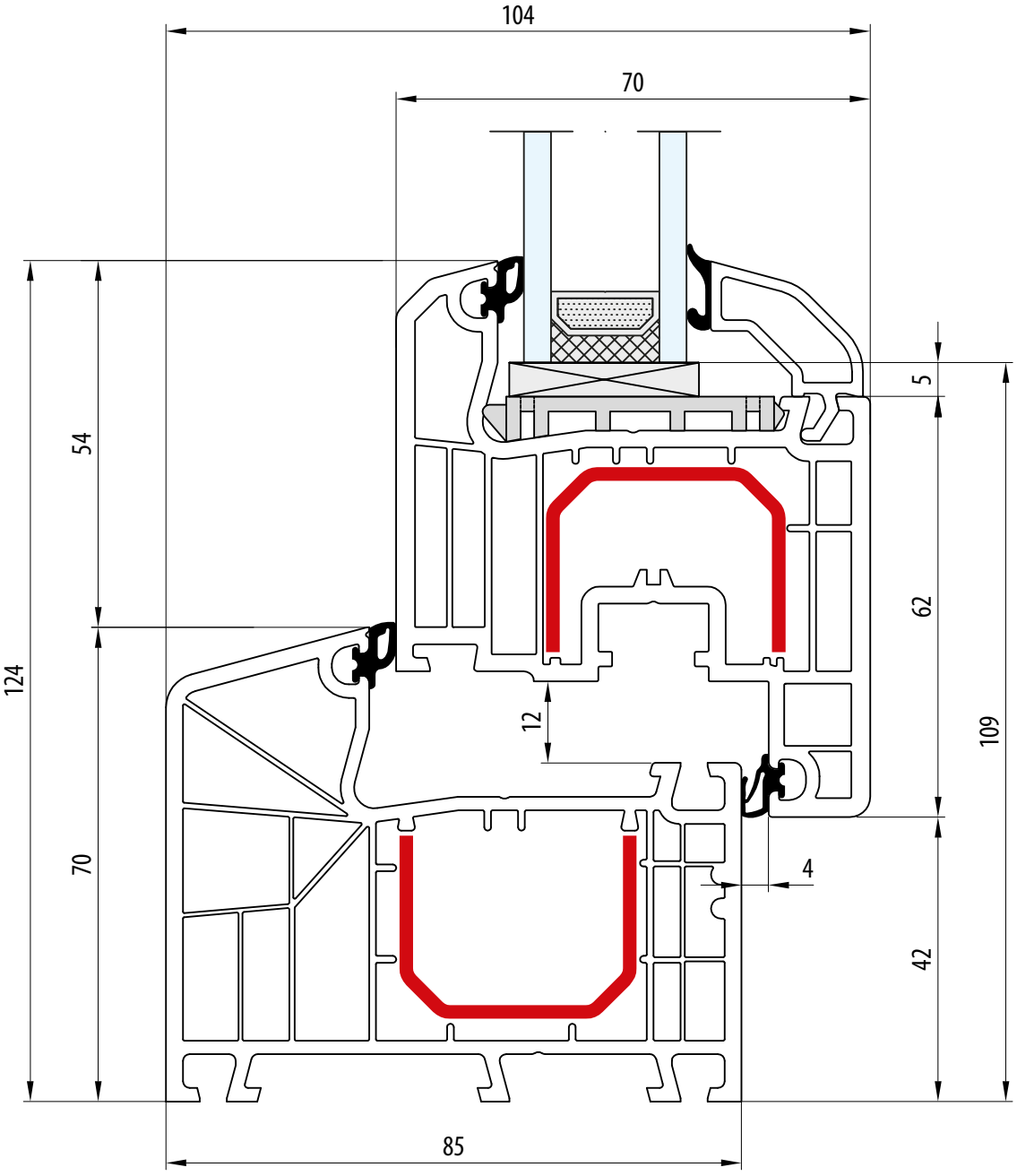



Rama: 70 mm · Skrzydło: 77 mm
Dormant: 70 mm · Vantail: 77 mm
Frame: 70 mm · Sash: 77 mm
Rahmen: 70 mm · Flügel: 77 mm
Telaio: 70 mm · Anta: 77 mm
Kader: 70 mm · Vleugel: 77 mm

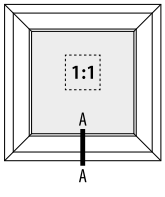


SL

SL
CL
RL

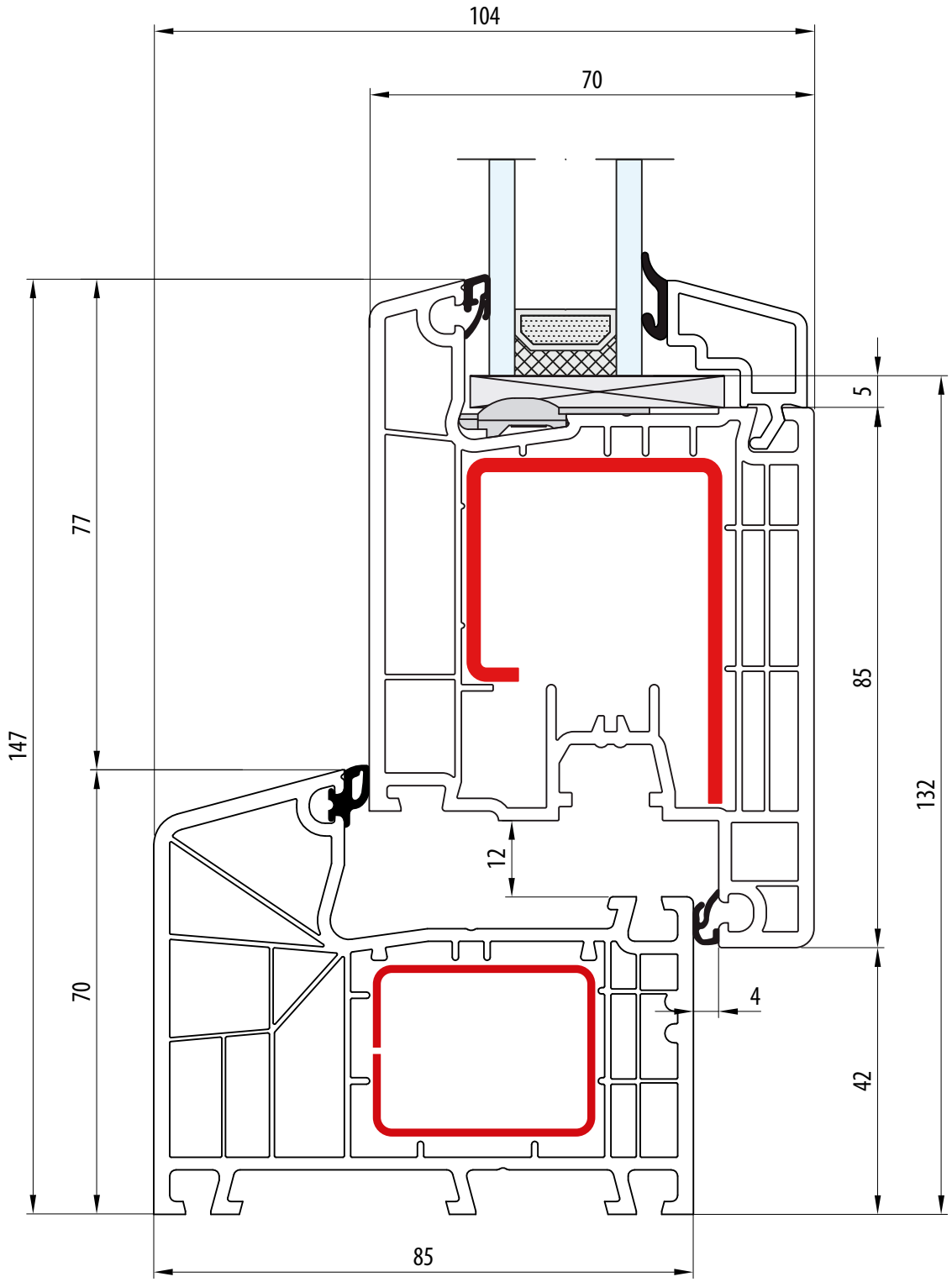



Rama: 65 mm · Skrzydło: 82 mm
Dormant: 65 mm · Vantail: 82 mm
Frame: 65 mm · Sash: 82 mm
Rahmen: 65 mm · Flügel: 82 mm
Telaio: 65 mm · Anta: 82 mm
Kader: 65 mm · Vleugel: 82 mm

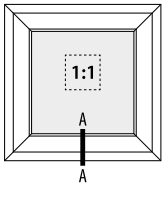


CL

SL
CL
RL

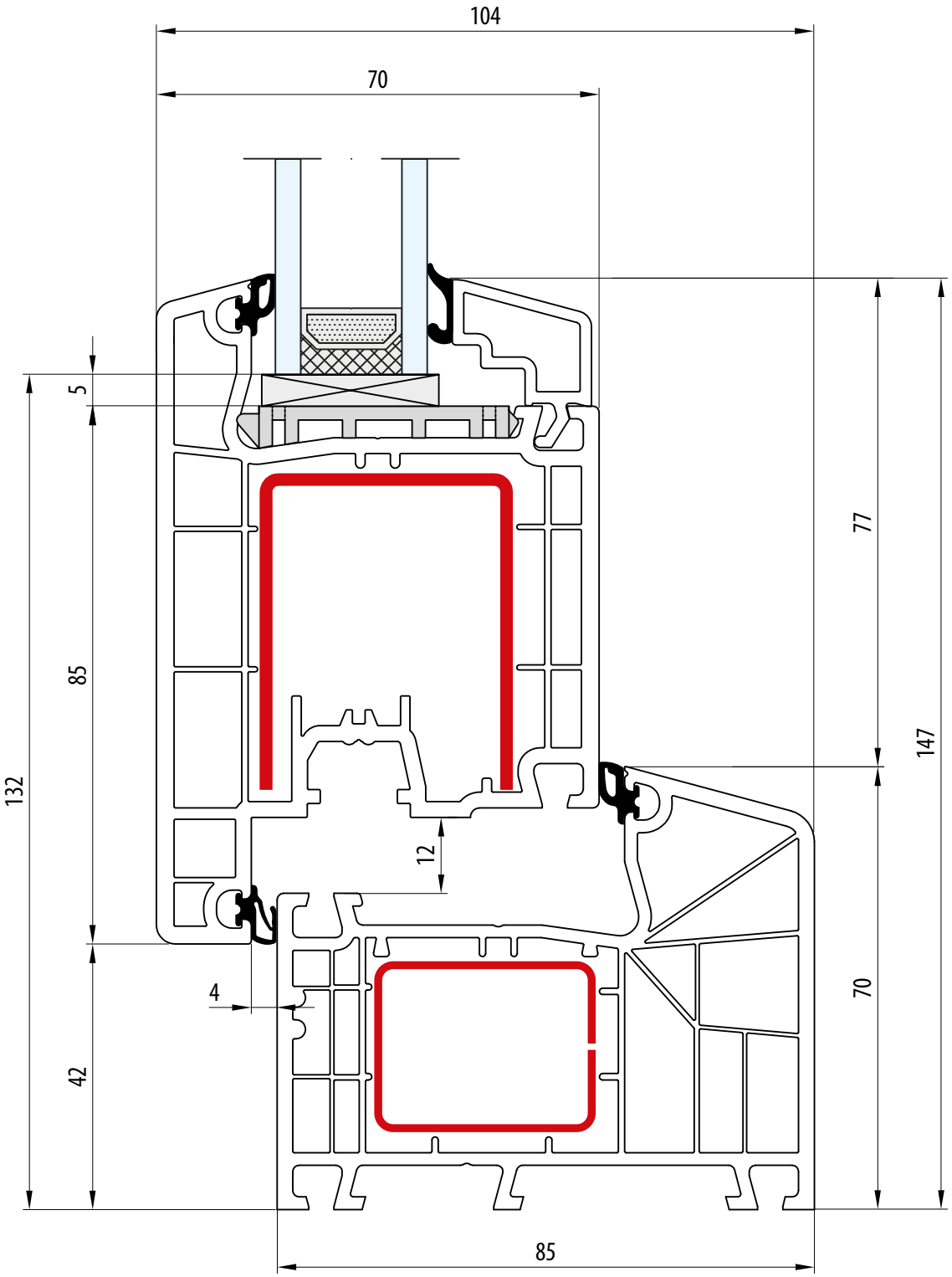



Rama: 70 mm · Skrzydło: 105 mm
Dormant: 70 mm · Vantail: 105 mm
Frame: 70 mm · Sash: 105 mm
Rahmen: 70 mm · Flügel: 105 mm
Telaio: 70 mm · Anta: 105 mm
Kader: 70 mm · Vleugel: 105 mm

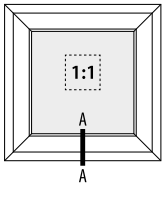






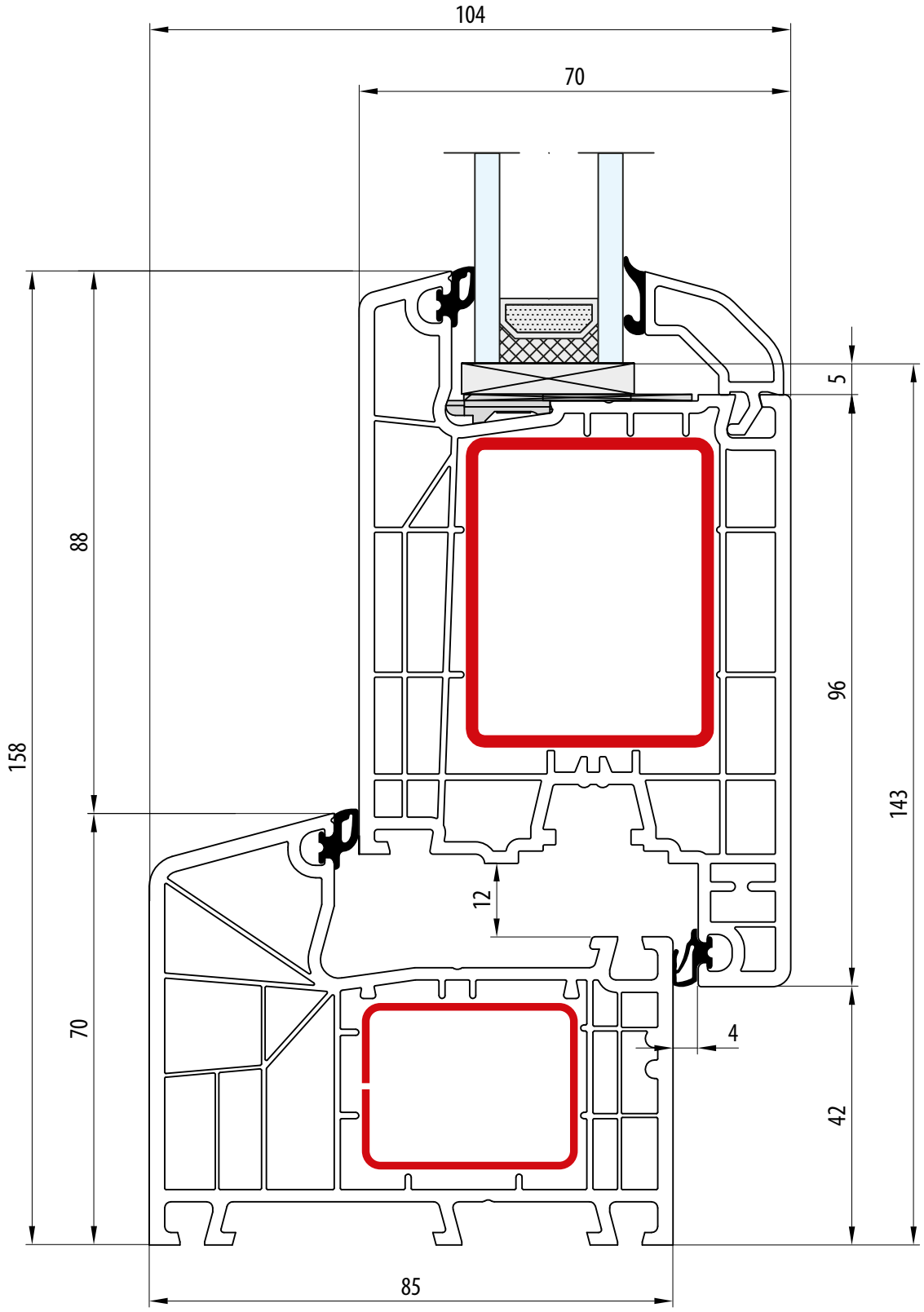




- Rama: 70 mm · Skrzydło: 105 mm
- Dormant: 70 mm · Vantail: 105 mm
- Frame: 70 mm · Sash: 105 mm
- Rahmen: 70 mm · Flügel: 105 mm
- Telaio: 70 mm · Anta: 105 mm
- Kader: 70 mm · Vleugel: 105 mm

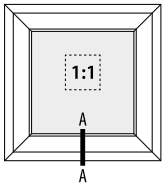


CL

SL
CL
RL




Rama: 70 mm · Skrzydło: 116 mm
Dormant: 70 mm · Vantail: 116 mm
Frame: 70 mm · Sash: 116 mm
Rahmen: 70 mm · Flügel: 116 mm
Telaio: 70 mm · Anta: 116 mm
Kader: 70 mm · Vleugel: 116 mm



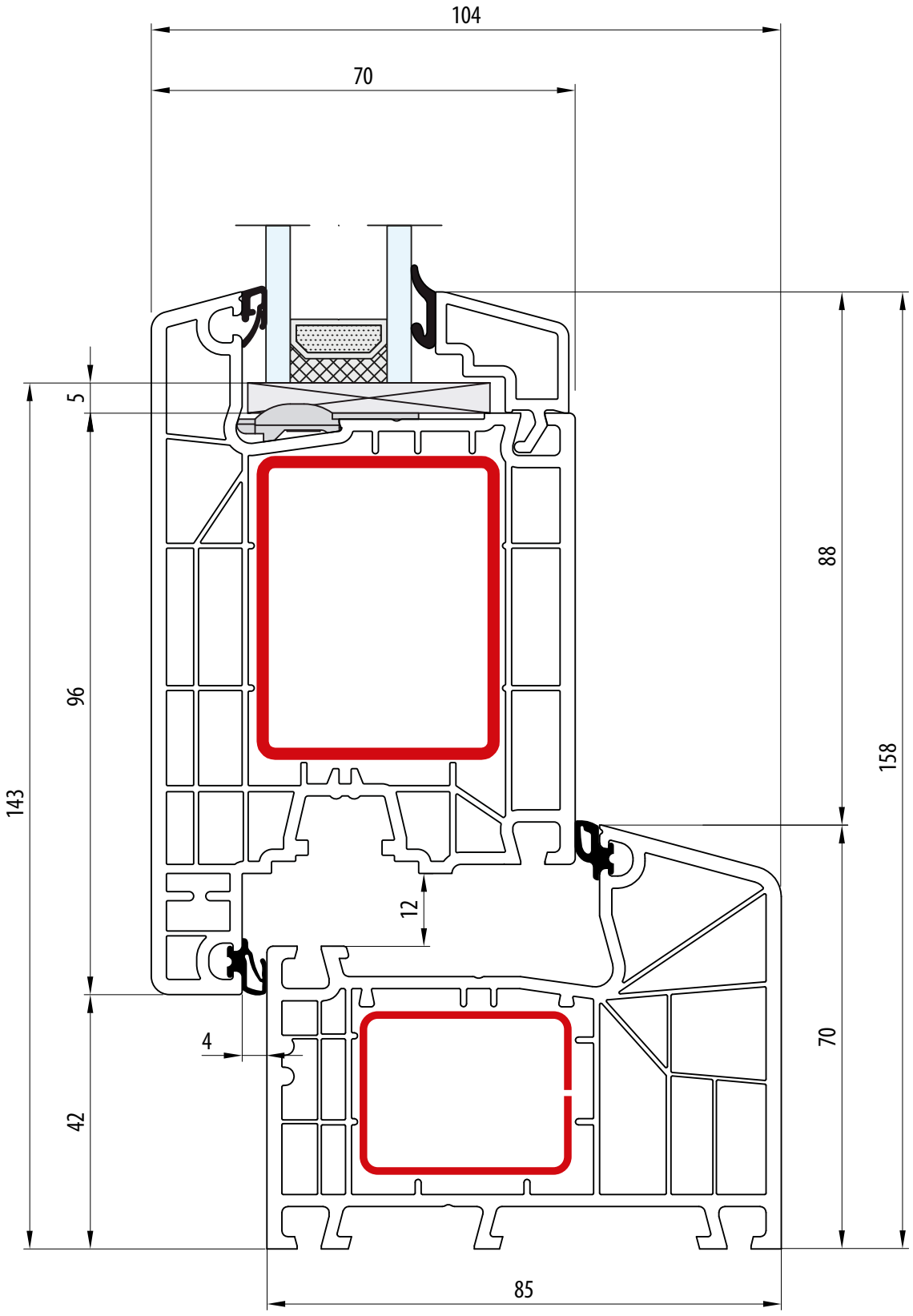




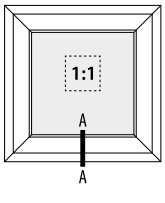






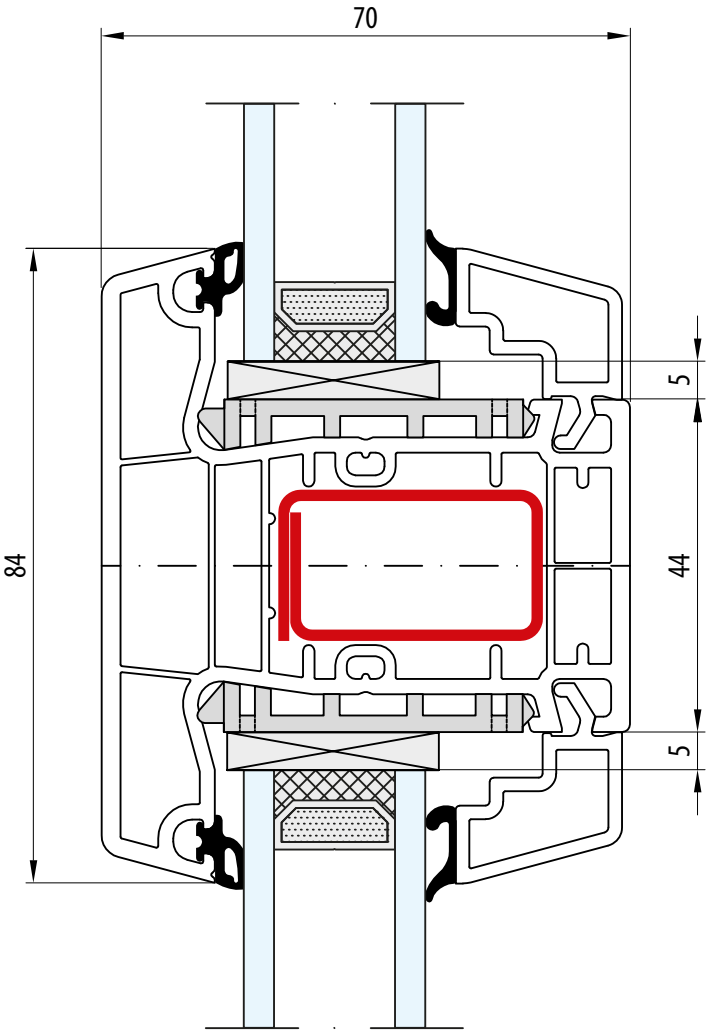



- Rama: 70 mm · Skrzydło: 120 mm
- Dormant: 70 mm · Vantail: 120 mm
- Frame: 70 mm · Sash: 120 mm
- Rahmen: 70 mm · Flügel: 120 mm
- Telaio: 70 mm · Anta: 120 mm
- Kader: 70 mm · Vleugel: 120 mm



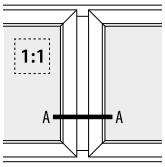
CL

SL
CL
RL



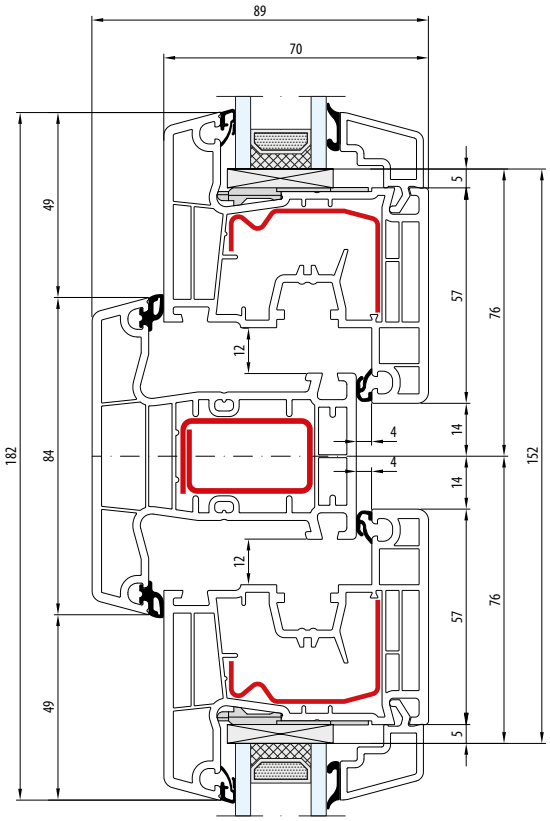

140x41

- Słupek stały: 84 mm
- Meneau fixe: 84 mm
- Fix post: 84 mm
- Festem Pfahl: 84 mm
- Montante fisso: 84 mm
- Vaste stijl: 84 mm

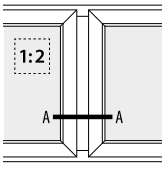


SL
CL

SL
CL
RL

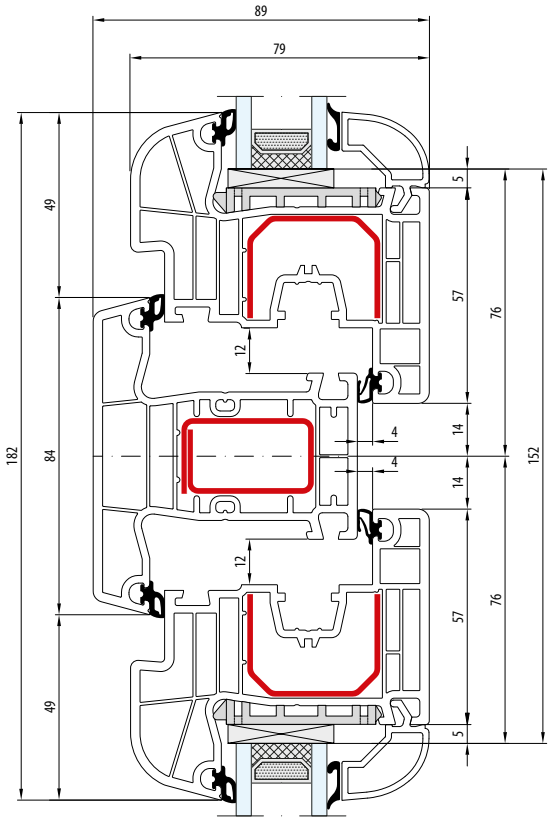



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm

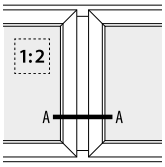


RL

SL
CL
RL

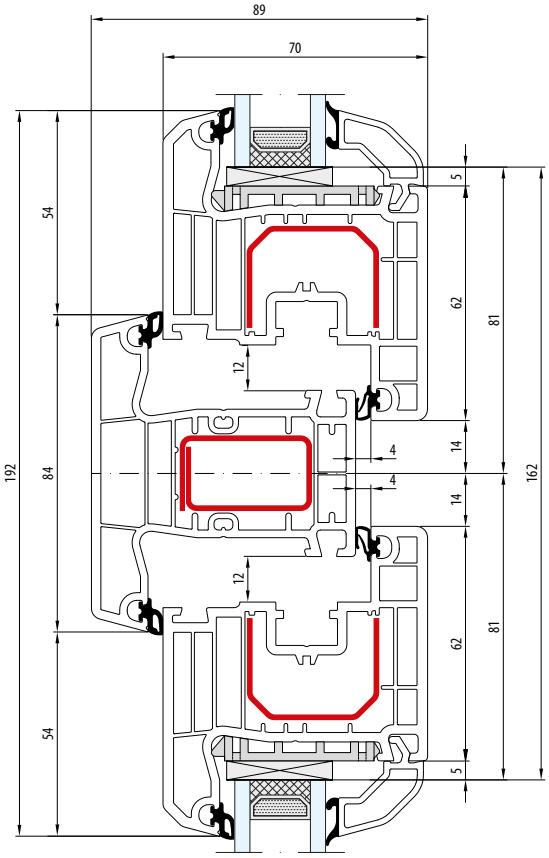



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm

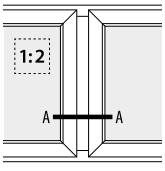


SL

SL
CL
RL

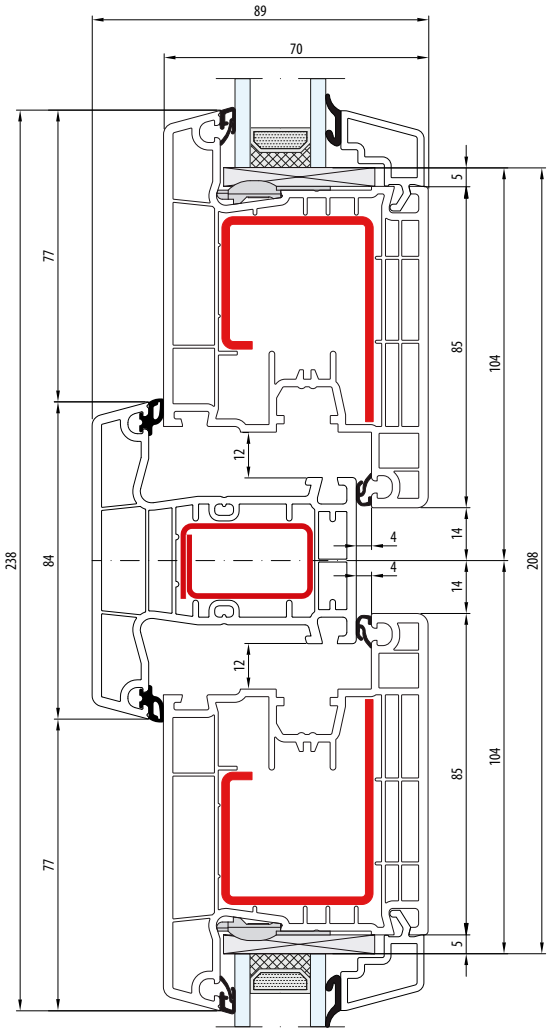



- Słupek stały: 84 mm · Skrzydło: 82 mm
- Meneau fixe: 84 mm · Vantail: 82 mm
- Fix post: 84 mm · Sash: 82 mm
- Festem Pfahl: 84 mm · Flügel: 82 mm
- Montante fisso: 84 mm · Anta: 82 mm
- Vaste stijl: 84 mm · Vleugel: 82 mm

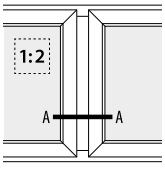


SL
CL

SL
CL
RL




- Słupek stały: 84 mm · Skrzydło: 105 mm
- Meneau fixe: 84 mm · Vantail: 105 mm
- Fix post: 84 mm · Sash: 105 mm
- Festem Pfahl: 84 mm · Flügel: 105 mm
- Montante fisso: 84 mm · Anta: 105 mm
- Vaste stijl: 84 mm · Vleugel: 105 mm



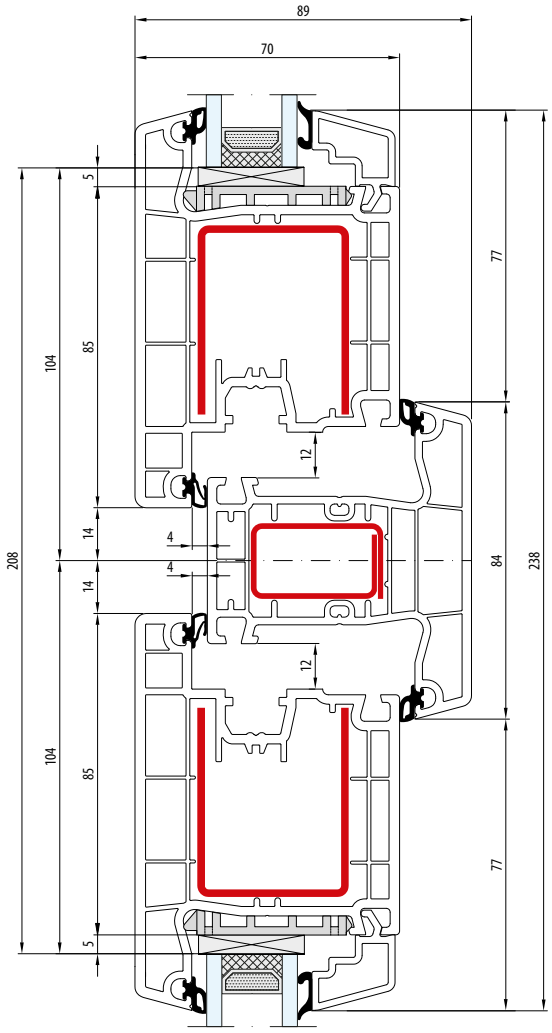




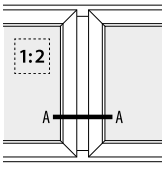






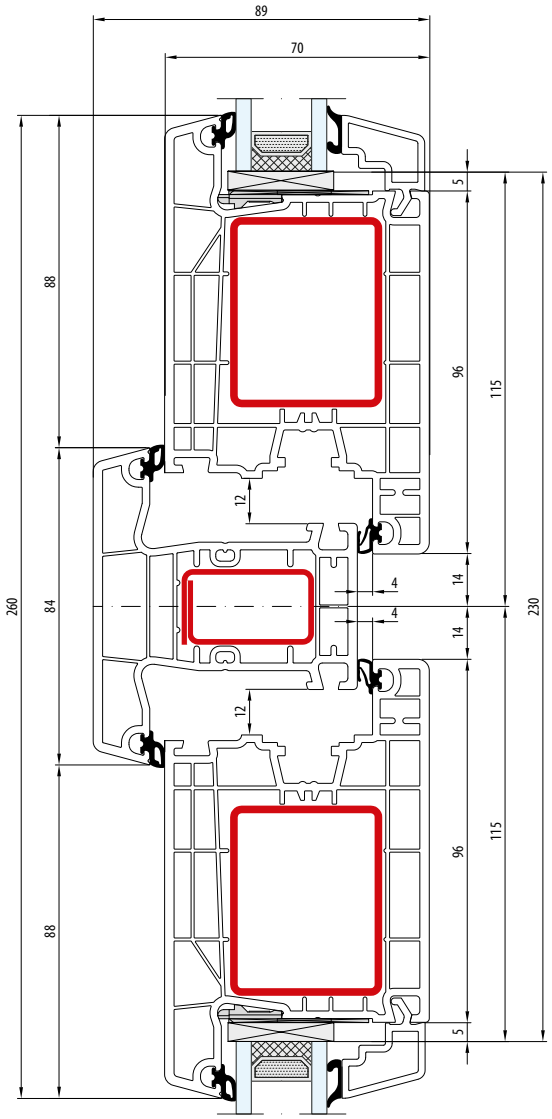



- Słupek stały: 84 mm · Skrzydło: 105 mm
- Meneau fixe: 84 mm · Vantail: 105 mm
- Fix post: 84 mm · Sash: 105 mm
- Festem Pfahl: 84 mm · Flügel: 105 mm
- Montante fisso: 84 mm · Anta: 105 mm
- Vaste stijl: 84 mm · Vleugel: 105 mm

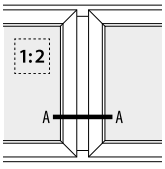


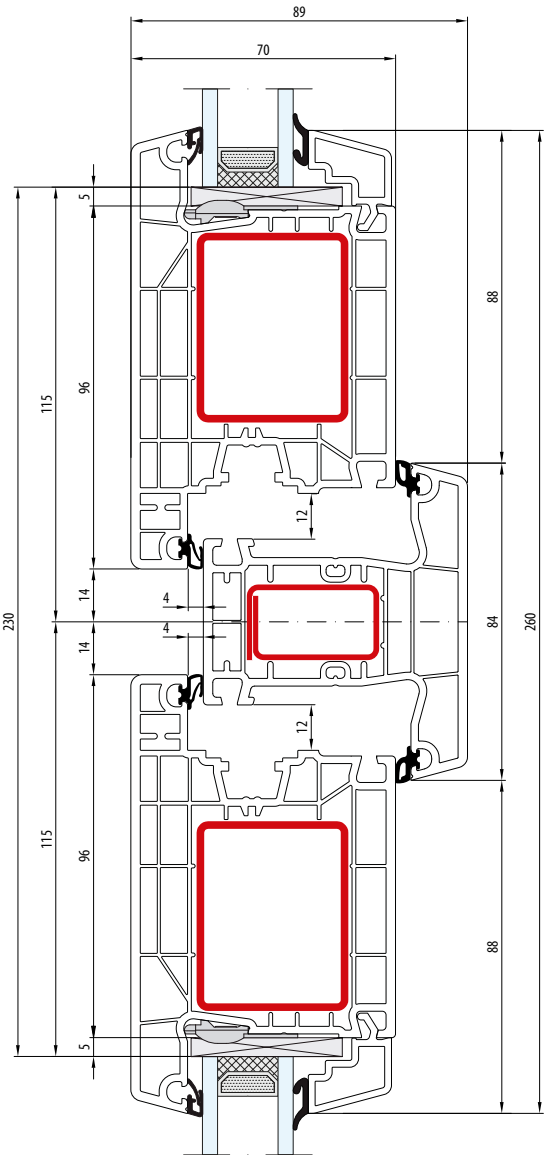
CL

SL
CL
RL

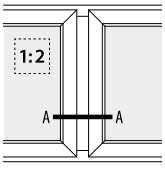



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm



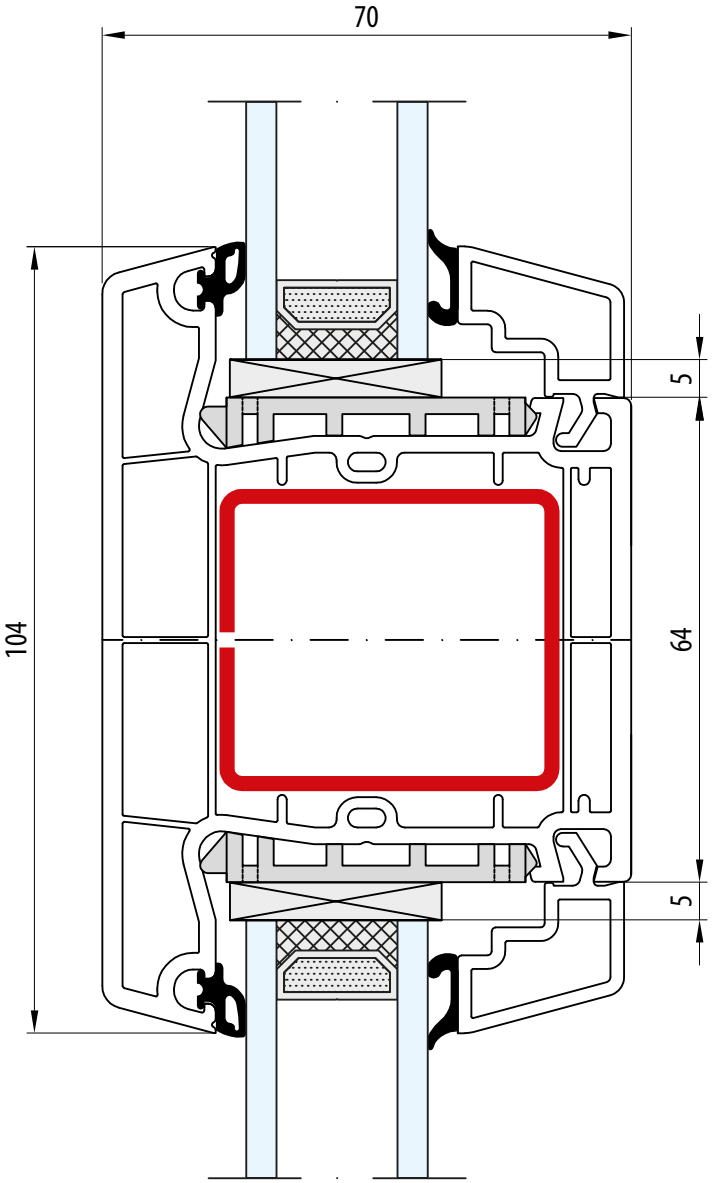



- Słupek stały: 84 mm · Skrzydło: 120 mm
- Meneau fixe: 84 mm · Vantail: 120 mm
- Fix post: 84 mm · Sash: 120 mm
- Festem Pfahl: 84 mm · Flügel: 120 mm
- Montante fisso: 84 mm · Anta: 120 mm
- Vaste stijl: 84 mm · Vleugel: 120 mm



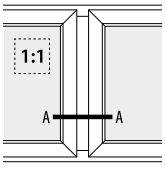
CL

SL
CL
RL



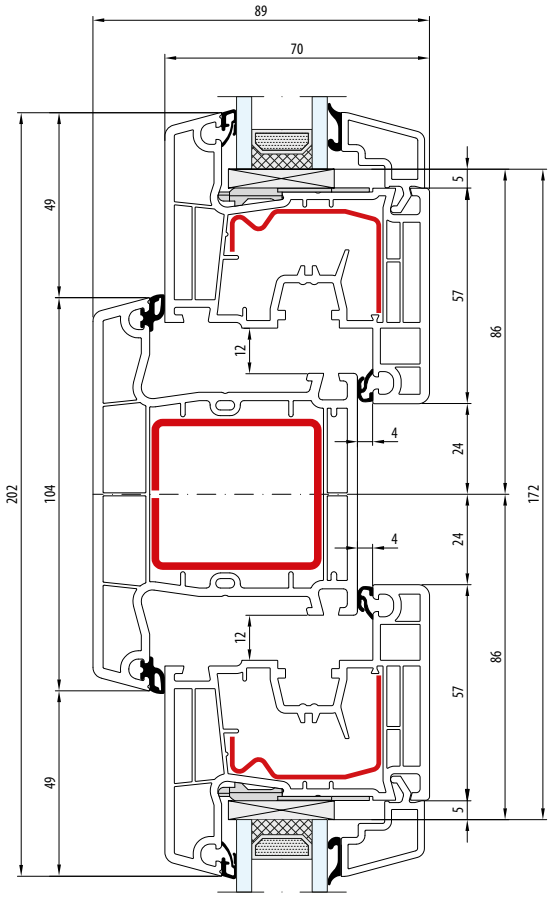

140x45

- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

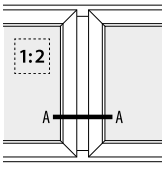


SL
CL

SL
CL
RL

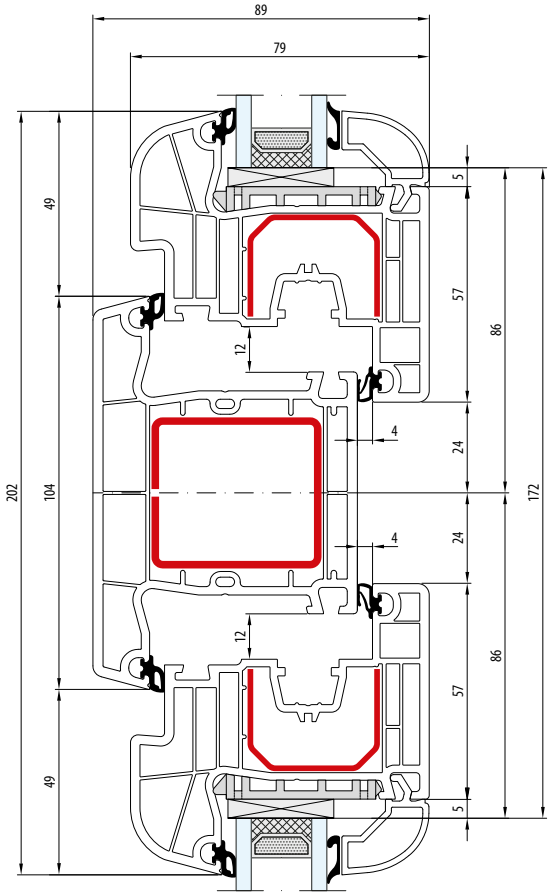



Słupek stały: 104 mm · Skrzydło: 77 mm
Meneau fixe: 104 mm · Vantail: 77 mm
Fix post: 104 mm · Sash: 77 mm
Festem Pfahl: 104 mm · Flügel: 77 mm
Montante fisso: 104 mm · Anta: 77 mm
Vaste stijl: 104 mm · Vleugel: 77 mm

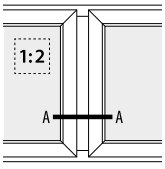


RL

SL
CL
RL

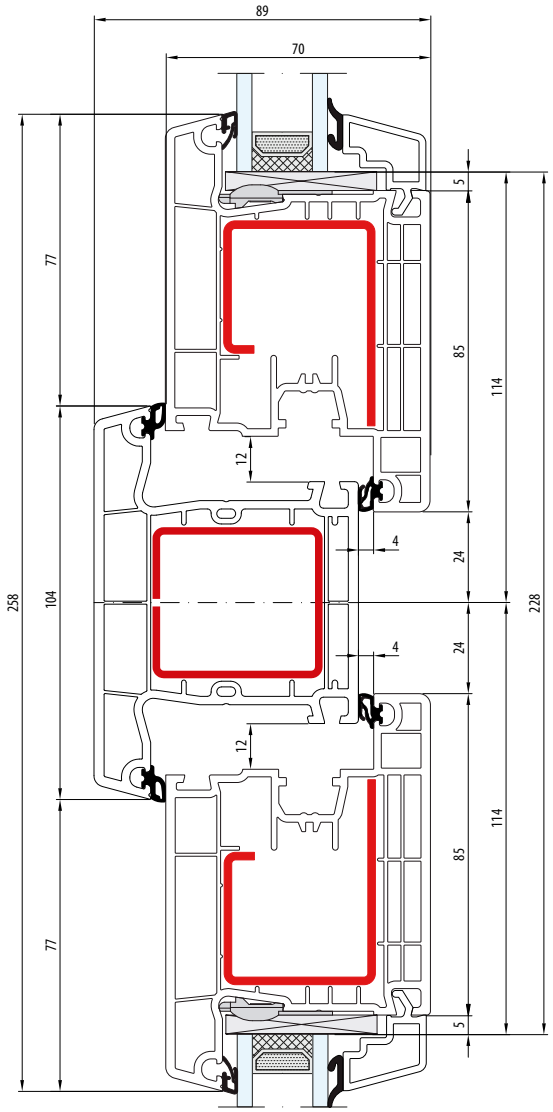



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

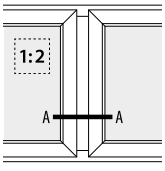


CL

SL CL RL

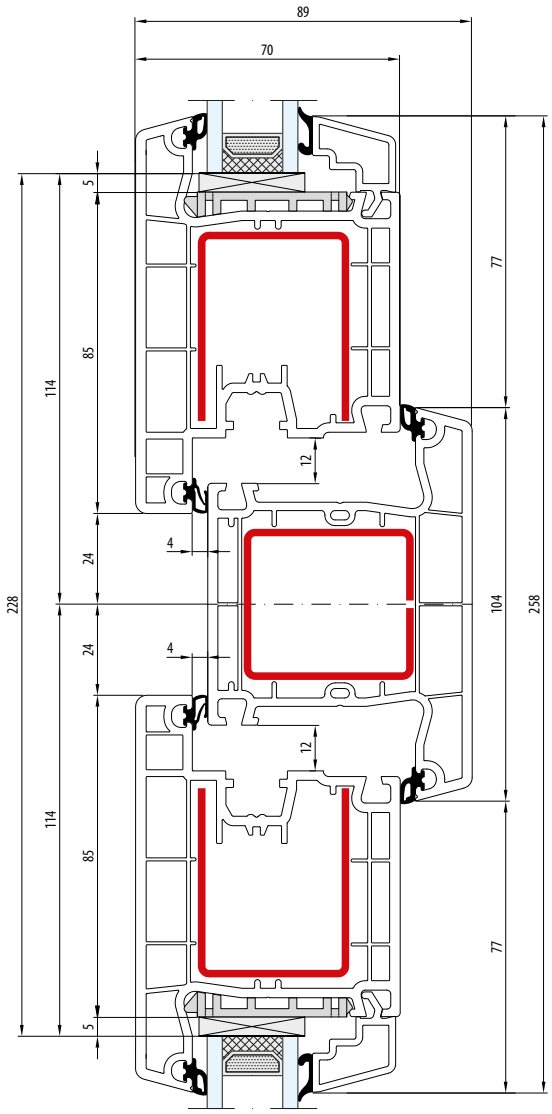



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm

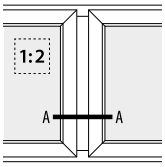


CL

SL
CL
RL




- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm



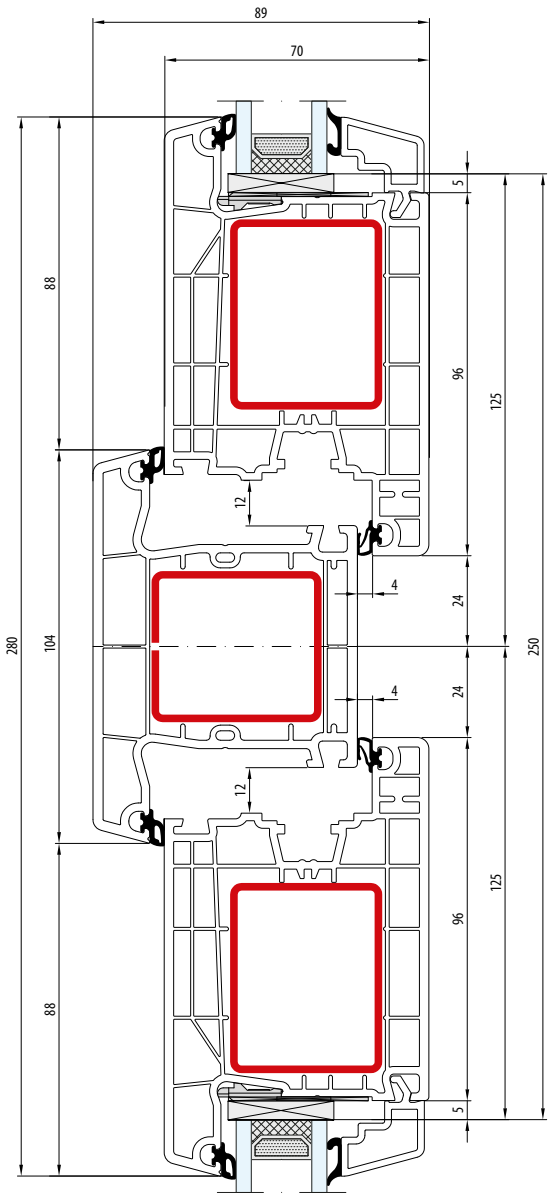




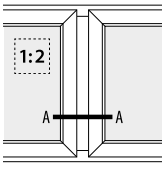






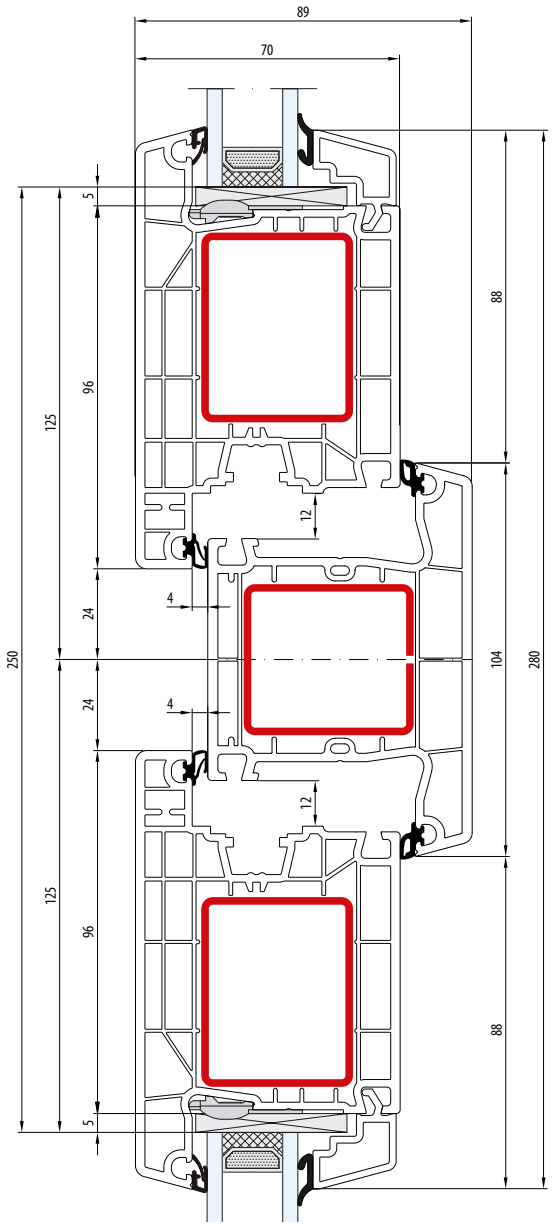



- Słupek stały: 104 mm · Skrzydło: 116 mm
- Meneau fixe: 104 mm · Vantail: 116 mm
- Fix post: 104 mm · Sash: 116 mm
- Festem Pfahl: 104 mm · Flügel: 116 mm
- Montante fisso: 104 mm · Anta: 116 mm
- Vaste stijl: 104 mm · Vleugel: 116 mm

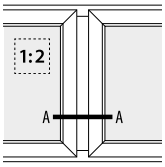


CL

SL
CL
RL

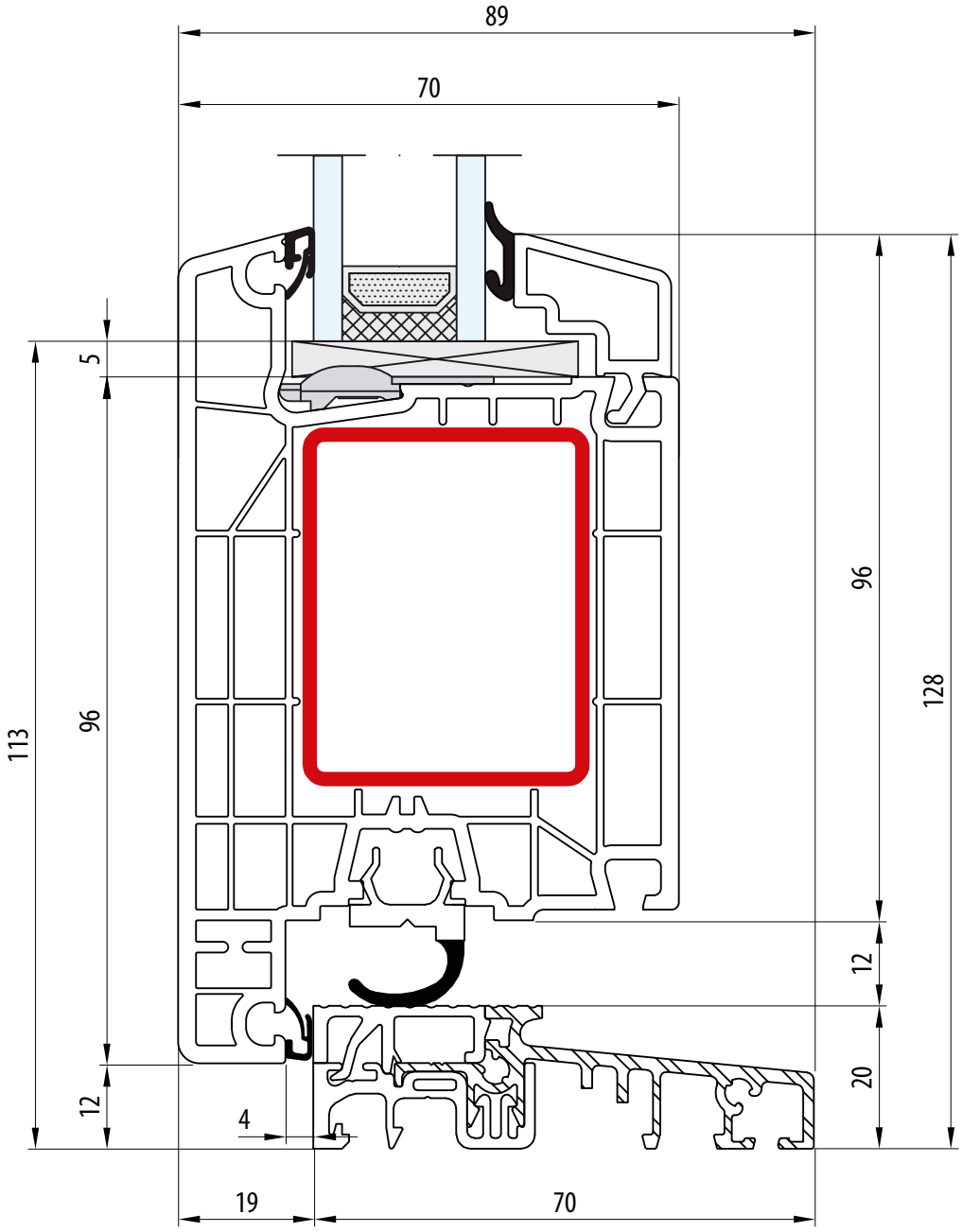



- Słupek stały: 104 mm · Skrzydło: 120 mm
- Meneau fixe: 104 mm · Vantail: 120 mm
- Fix post: 104 mm · Sash: 120 mm
- Festem Pfahl: 104 mm · Flügel: 120 mm
- Montante fisso: 104 mm · Anta: 120 mm
- Vaste stijl: 104 mm · Vleugel: 120 mm



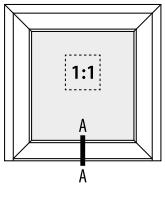




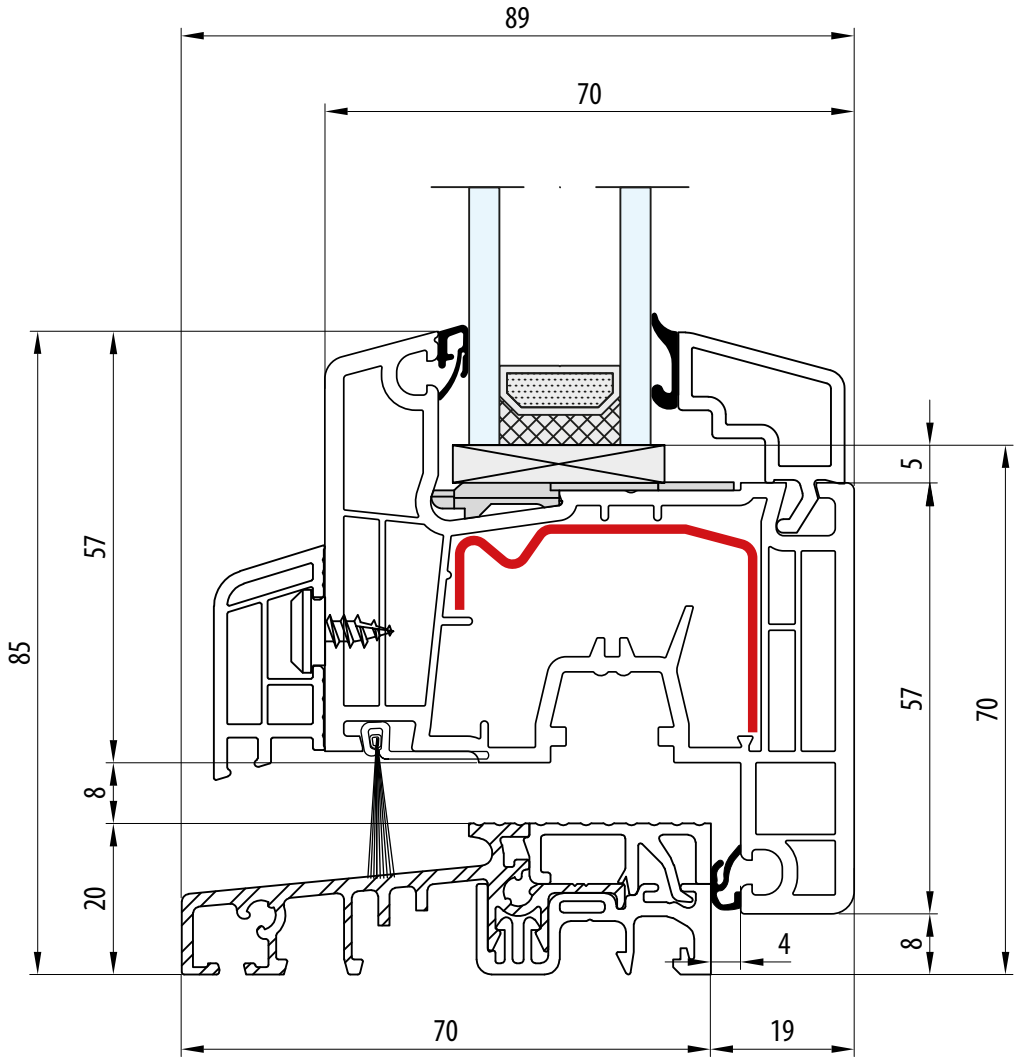



- Próg: 20 mm · Skrzydło: 120 mm
- Seuil: 20 mm · Vantail: 120 mm
- Threshold: 20 mm · Sash: 120 mm
- Schwelle: 20 mm · Flügel: 120 mm
- Soglia: 20 mm · Anta: 120 mm
- Dorpel: 20 mm · Vleugel: 120 mm

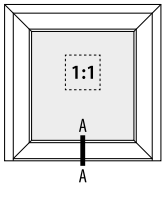


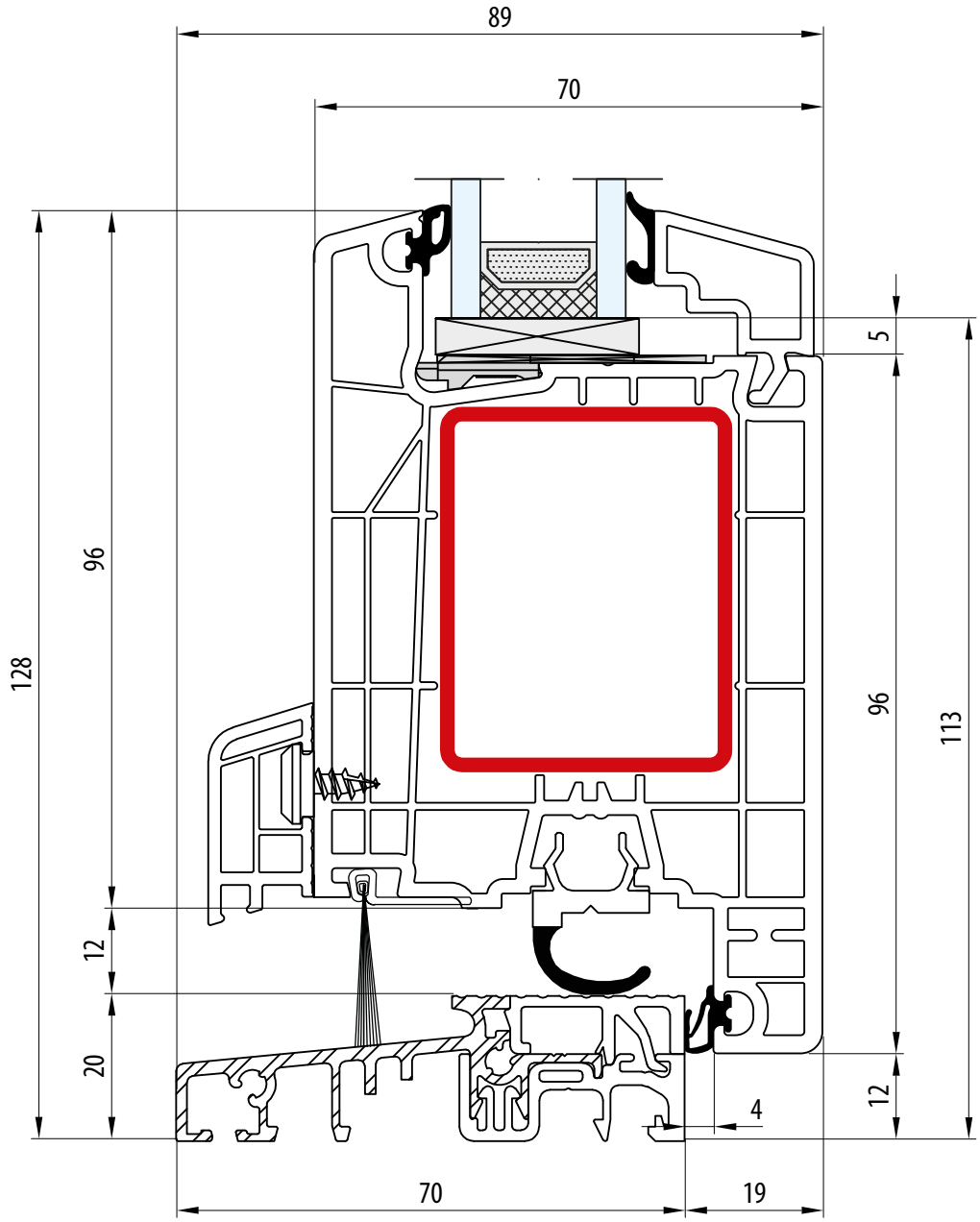
SL
CL

SL
CL
RL

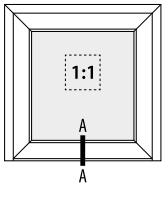



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

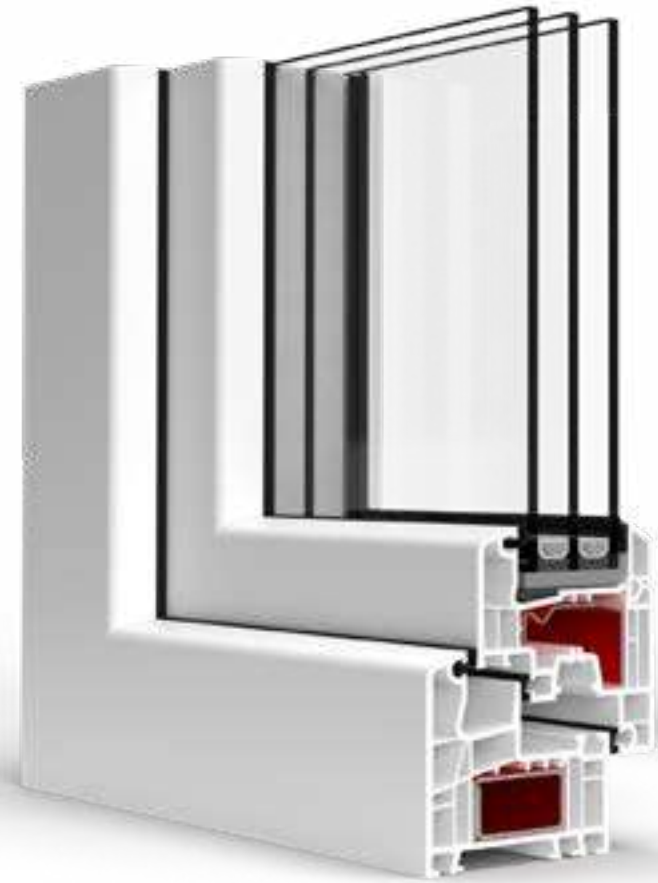




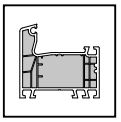

- Próg: 20 mm · Skrzydło: 116 mm
- Seuil: 20 mm · Vantail: 116 mm
- Threshold: 20 mm · Sash: 116 mm
- Schwelle: 20 mm · Flügel: 116 mm
- Soglia: 20 mm · Anta: 116 mm
- Dorpel: 20 mm · Vleugel: 116 mm



# IDEAL 5000



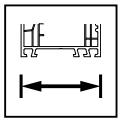




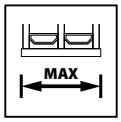
5



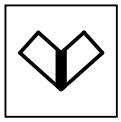
3

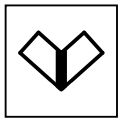


70




42



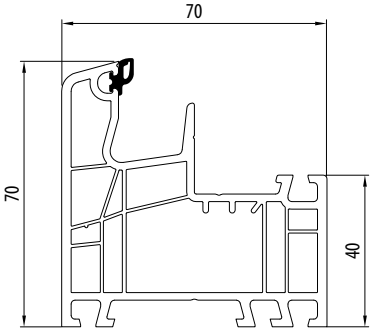





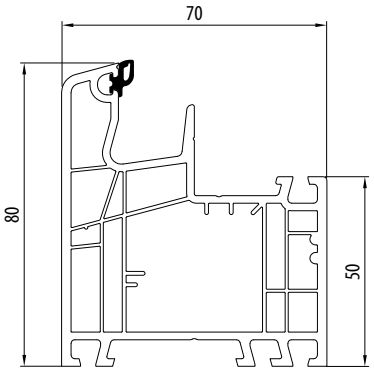


ALU

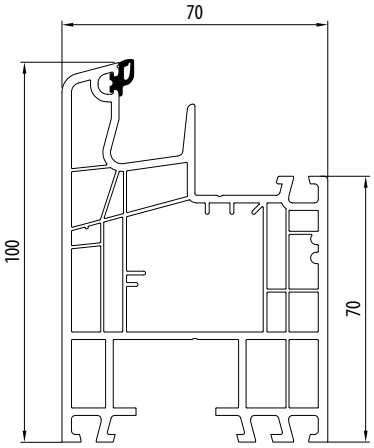




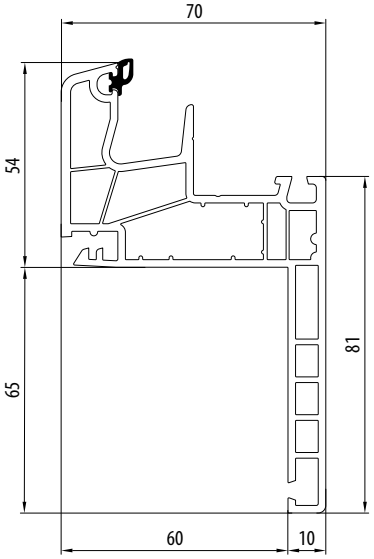

CL A* CLASS ALU 150x02



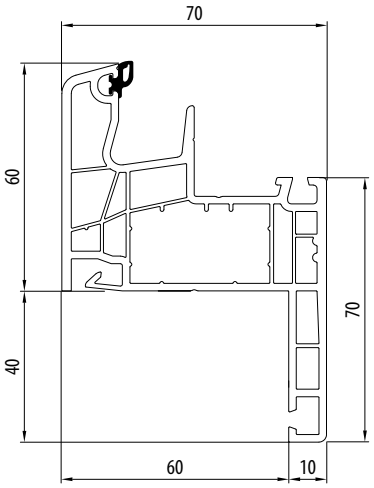

CL ALU 150x03



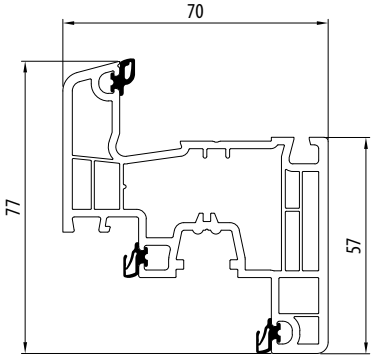

CL ALU 150x04



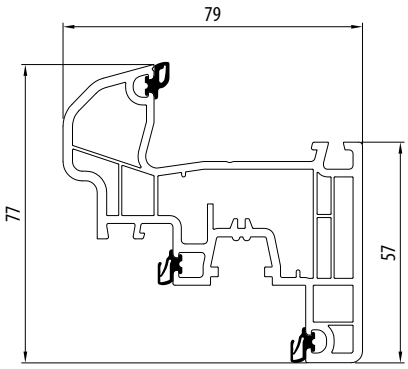

CL ALU 150x10



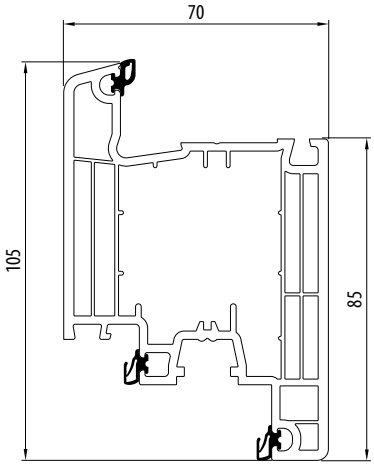

CL 150x11



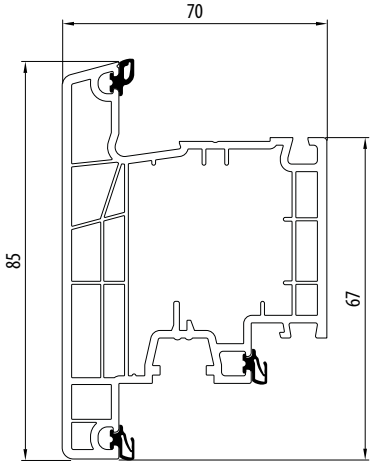

CL ALU 150x20




CL 150x26

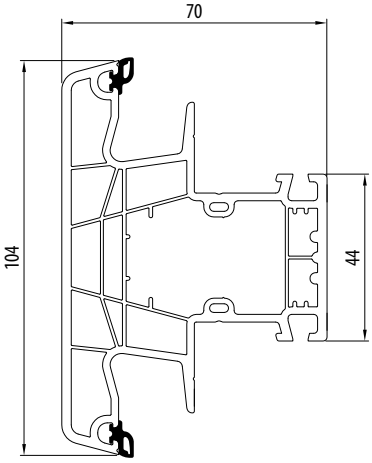



CL ALU 150x30

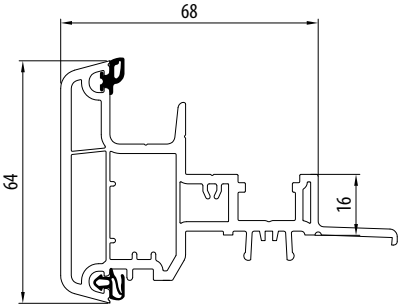



CL 150x31

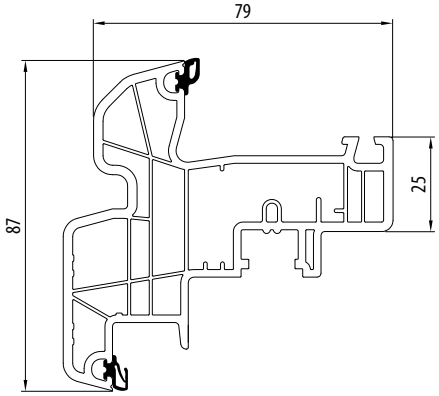
1:2



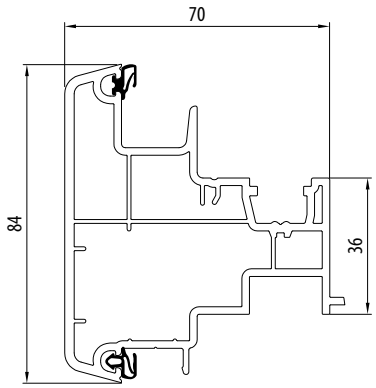

150x43



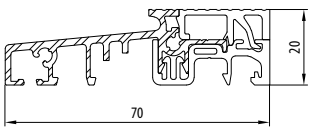

150x65




150x69




150x67

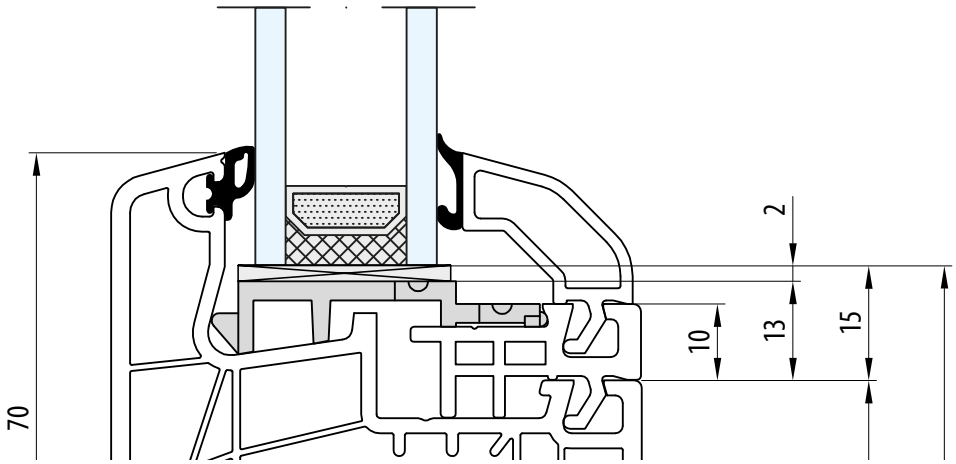


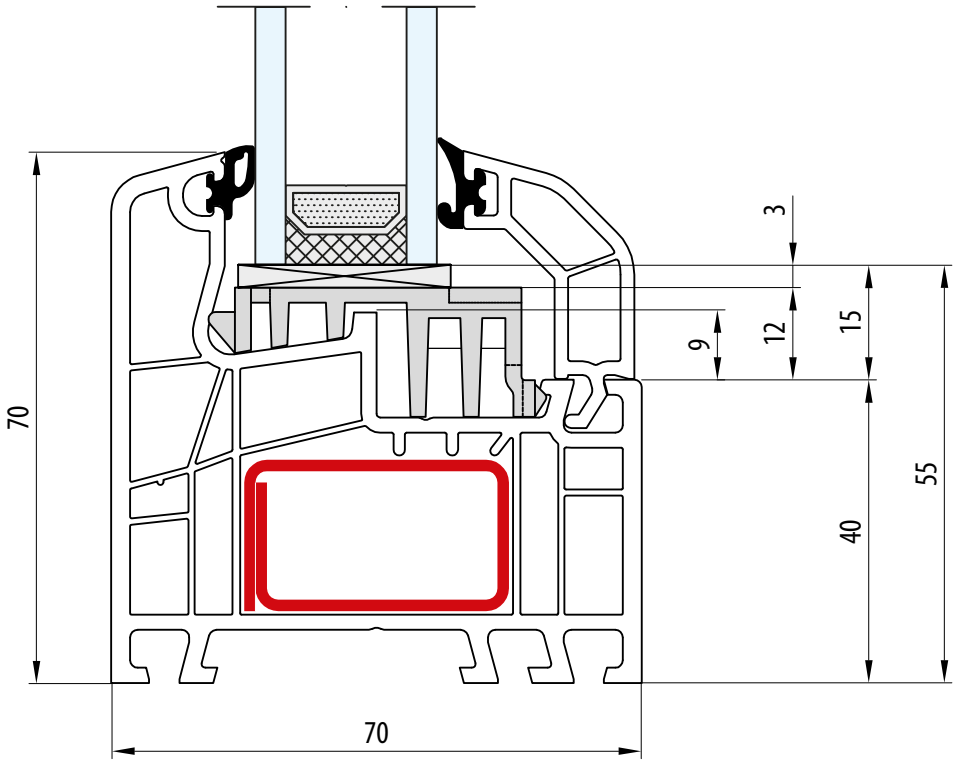

alu - 20 mm

1:2

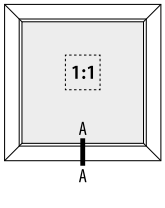
CL

SL
CL
RL



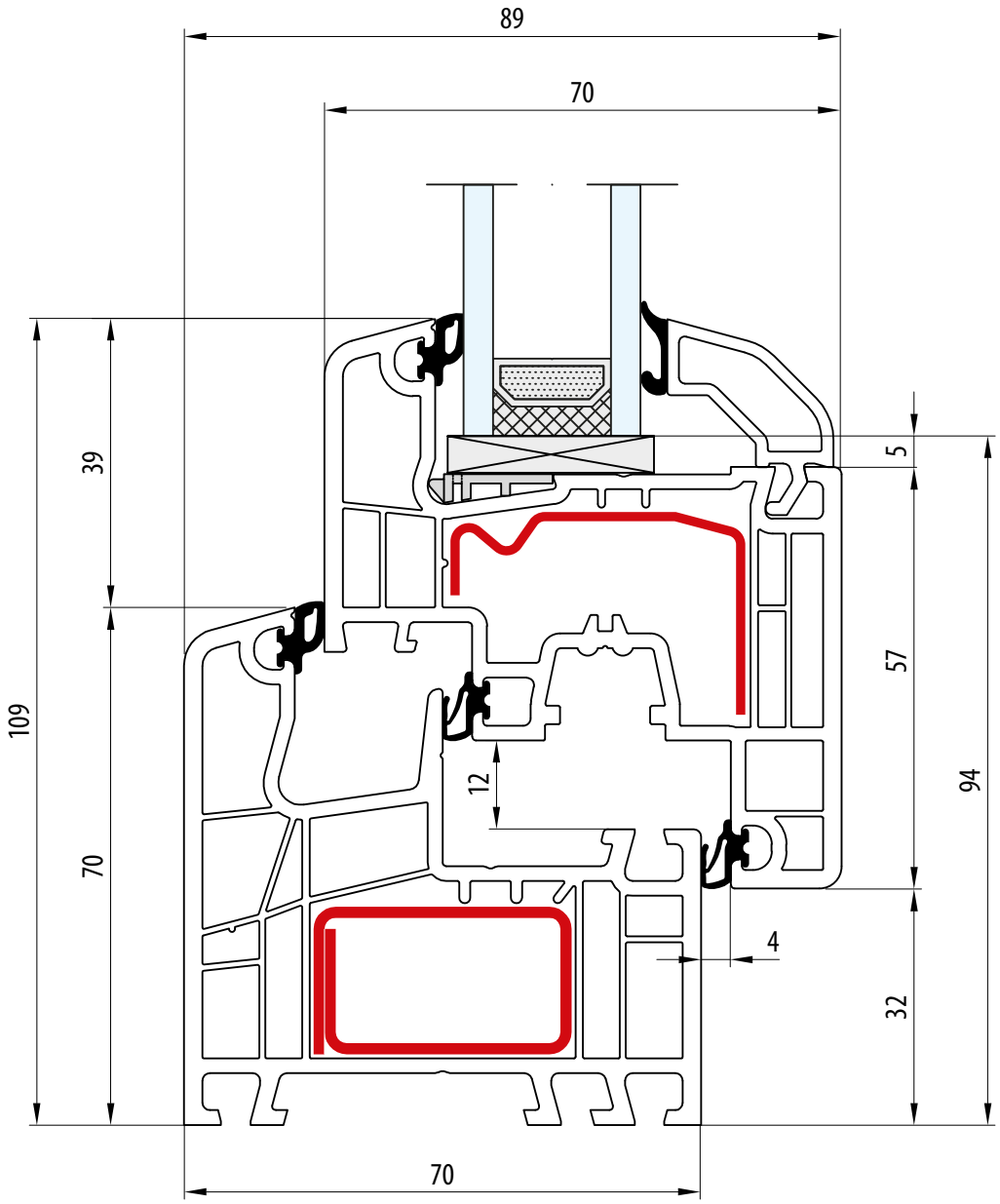




- Rama: 70 mm
- Dormant: 70 mm
- Frame: 70 mm
- Rahmen: 70 mm
- Telaio: 70 mm
- Kader: 70 mm

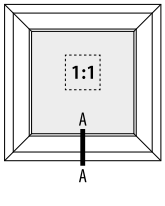


CL

SL
CL
RL

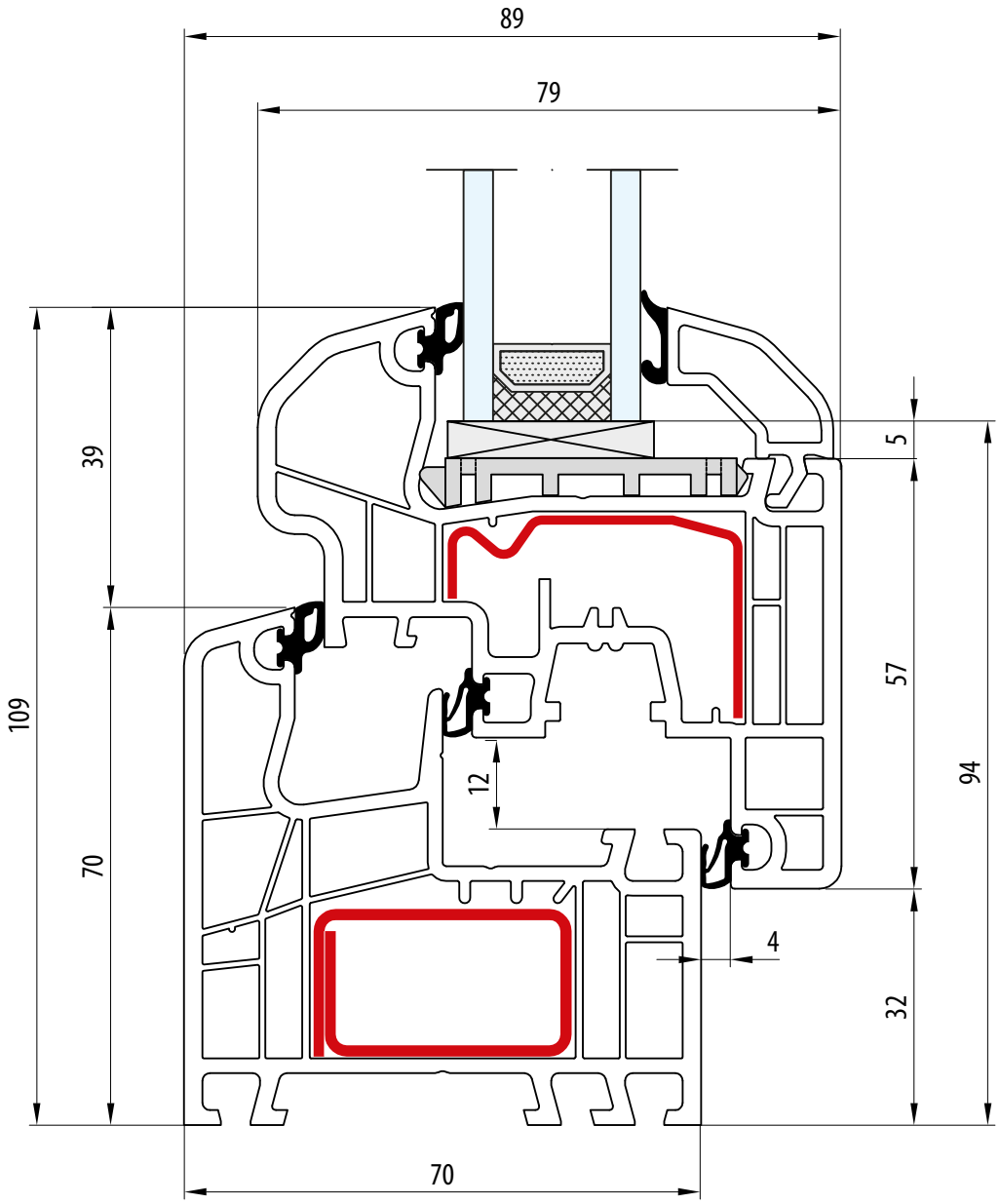



- Rama: 70 mm · Skrzydło: 77 mm
- Dormant: 70 mm · Vantail: 77 mm
- Frame: 70 mm · Sash: 77 mm
- Rahmen: 70 mm · Flügel: 77 mm
- Telaio: 70 mm · Anta: 77 mm
- Kader: 70 mm · Vleugel: 77 mm

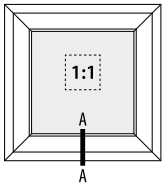


RL

SL
CL
RL

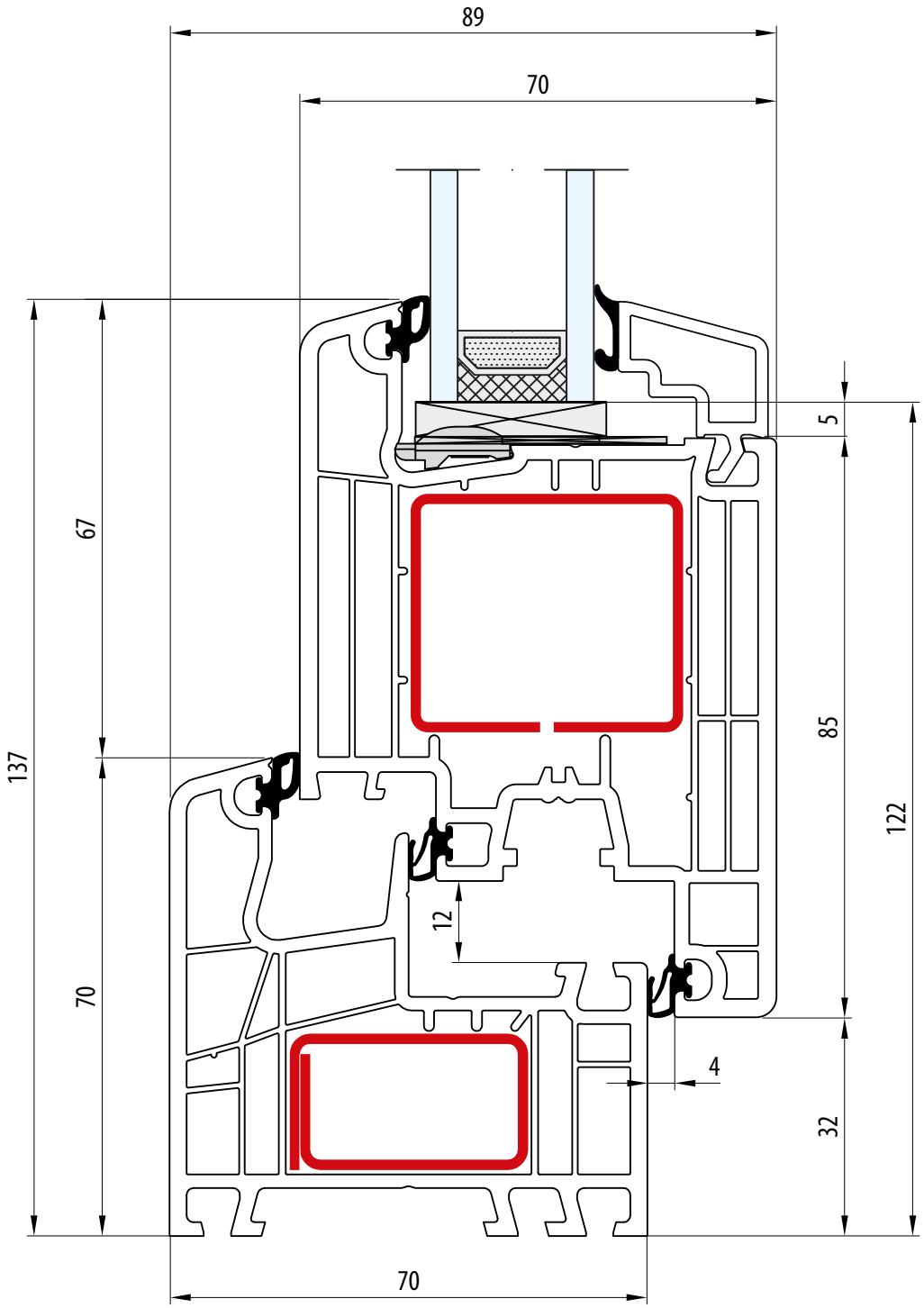



Rama: 70 mm · Skrzydło: 77 mm
Dormant: 70 mm · Vantail: 77 mm
Frame: 70 mm · Sash: 77 mm
Rahmen: 70 mm · Flügel: 77 mm
Telaio: 70 mm · Anta: 77 mm
Kader: 70 mm · Vleugel: 77 mm

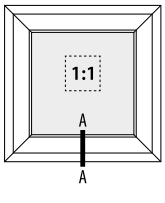


CL

SL
CL
RL

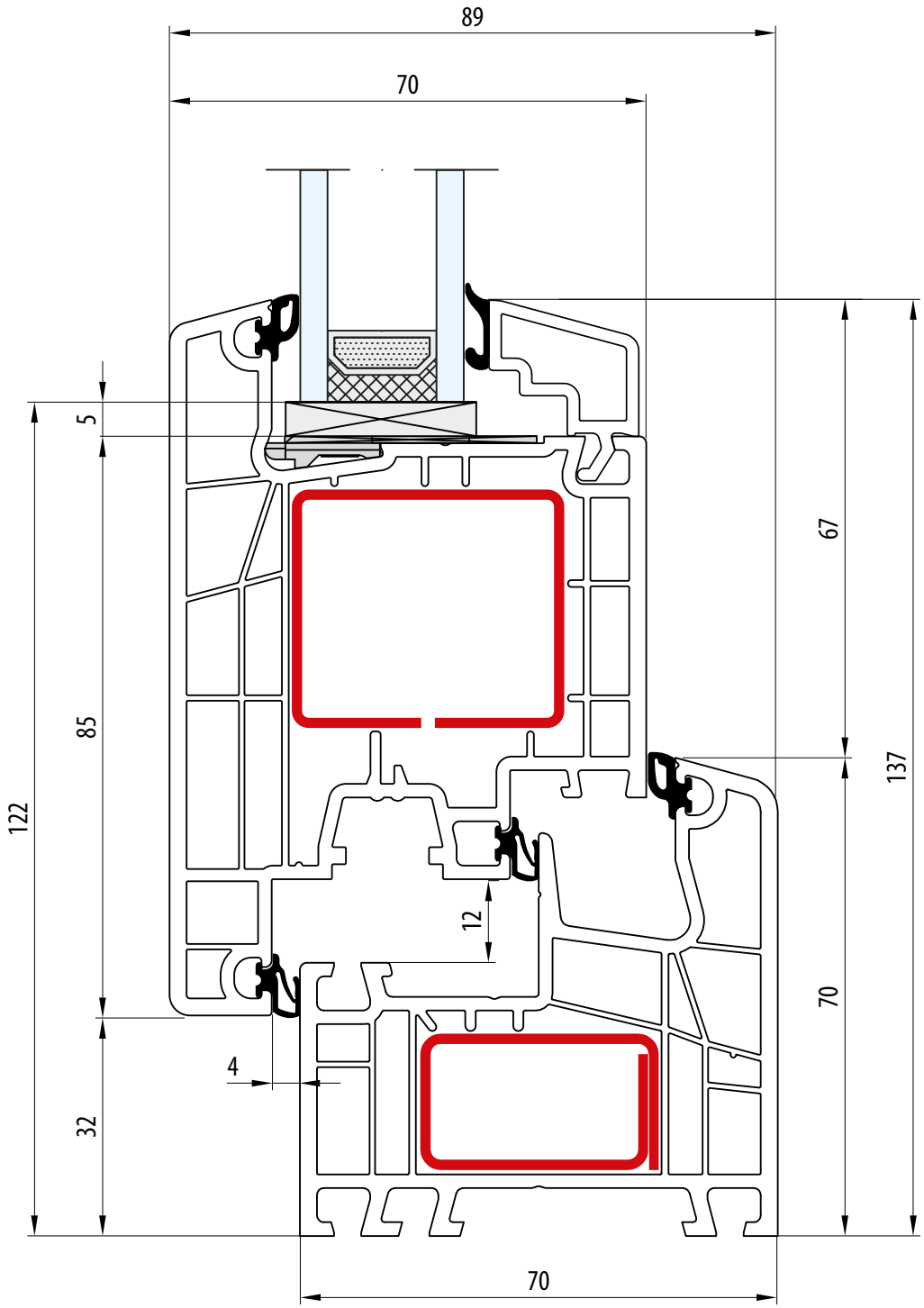



- Rama: 70 mm · Skrzydło: 105 mm
- Dormant: 70 mm · Vantail: 105 mm
- Frame: 70 mm · Sash: 105 mm
- Rahmen: 70 mm · Flügel: 105 mm
- Telaio: 70 mm · Anta: 105 mm
- Kader: 70 mm · Vleugel: 105 mm

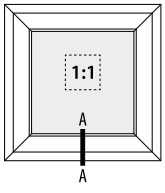


CL

SL
CL
RL




Rama: 70 mm · Skrzydło: 105 mm
Dormant: 70 mm · Vantail: 105 mm
Frame: 70 mm · Sash: 105 mm
Rahmen: 70 mm · Flügel: 105 mm
Telaio: 70 mm · Anta: 105 mm
Kader: 70 mm · Vleugel: 105 mm

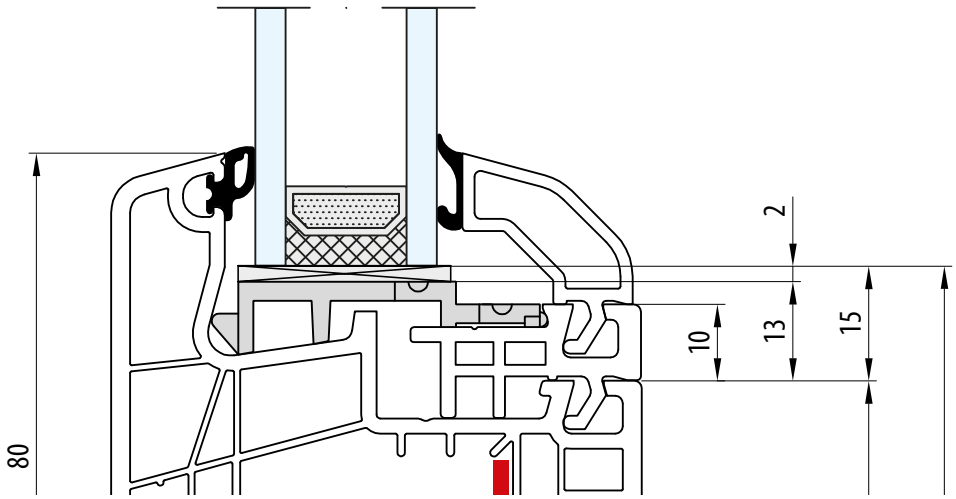


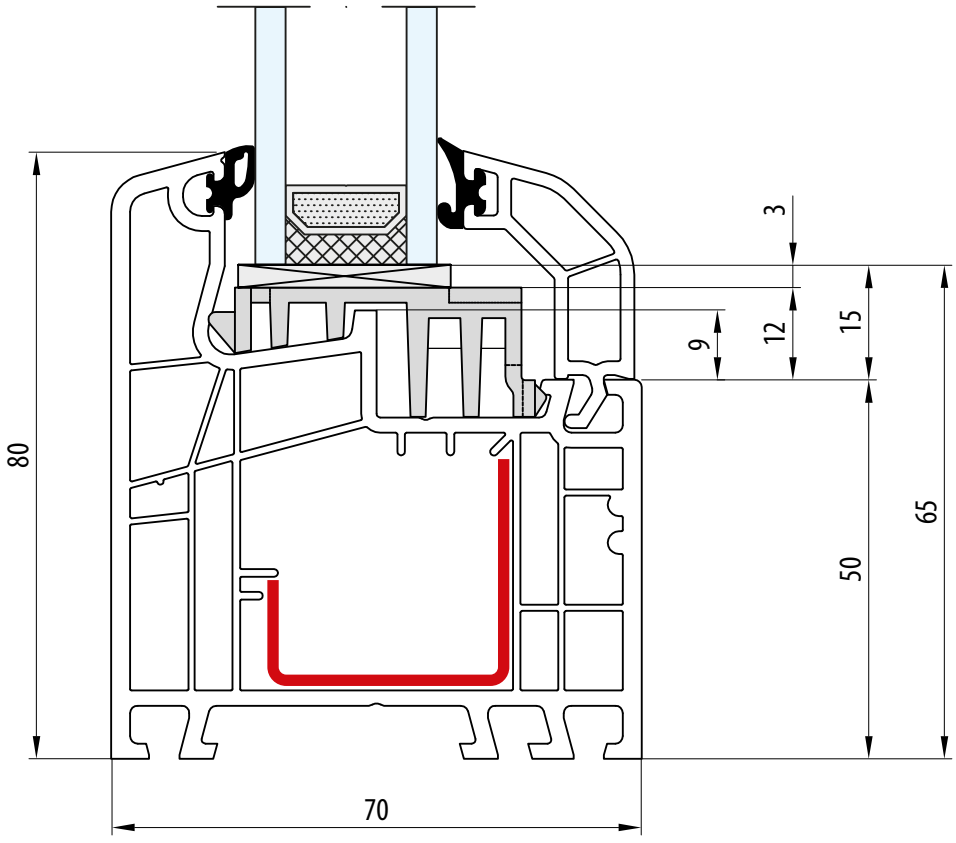




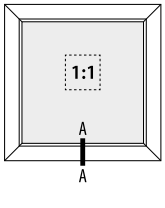
CL

SL
CL
RL



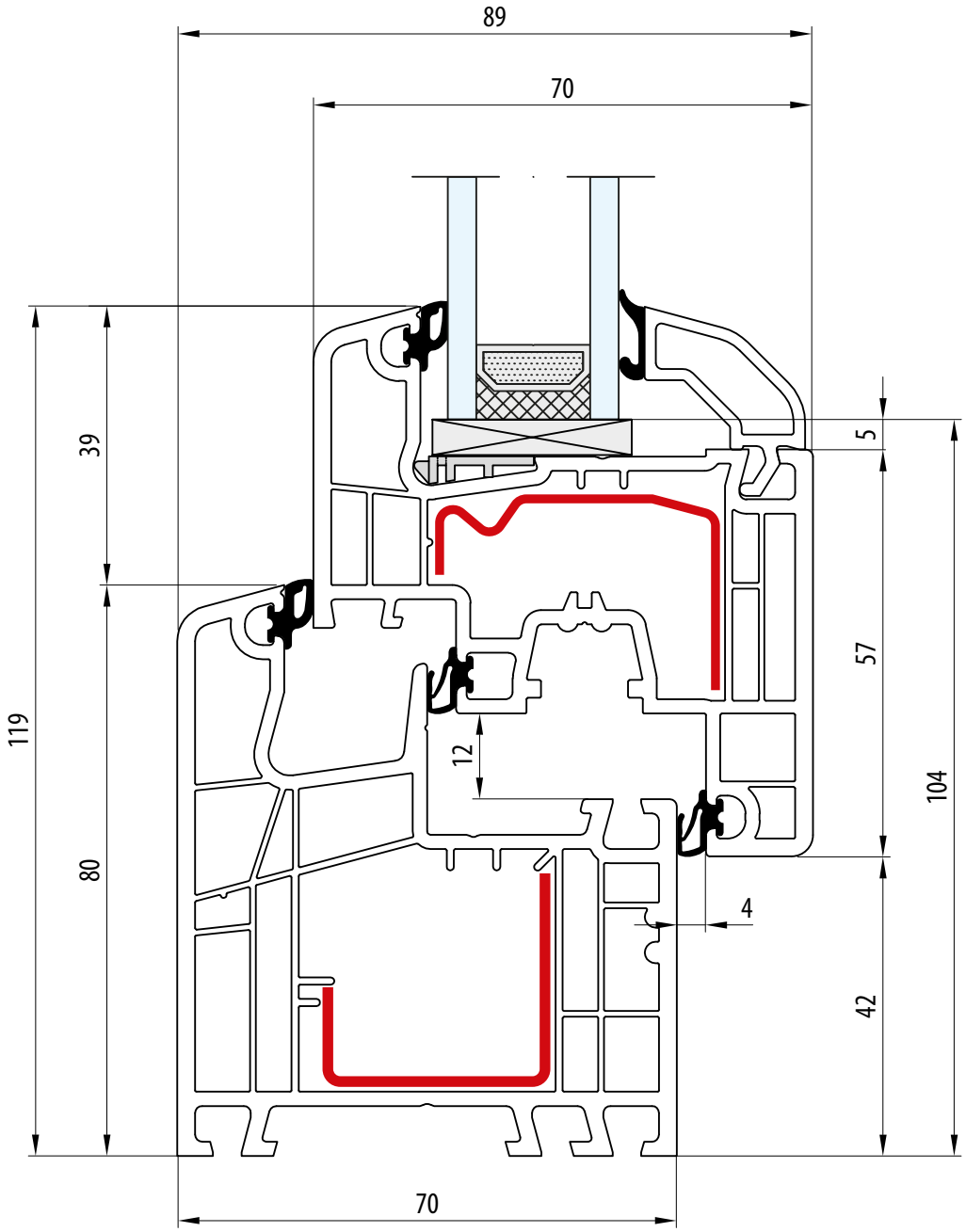




- Rama: 80 mm
- Dormant: 80 mm
- Frame: 80 mm
- Rahmen: 80 mm
- Telaio: 80 mm
- Kader: 80 mm

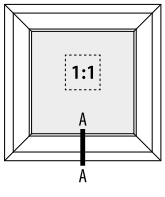


CL

SL
CL
RL

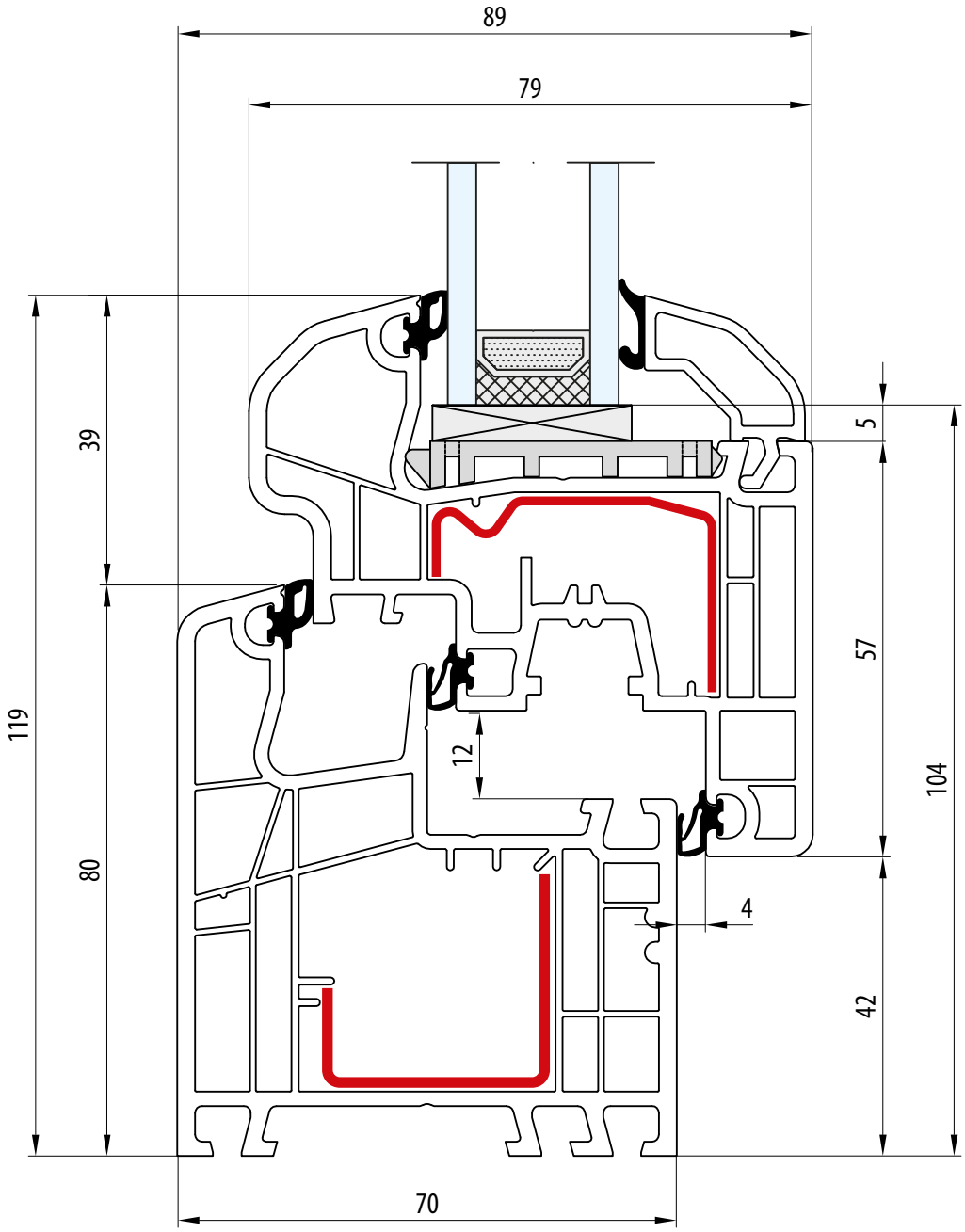



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm

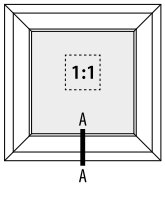


RL

SL
CL
RL

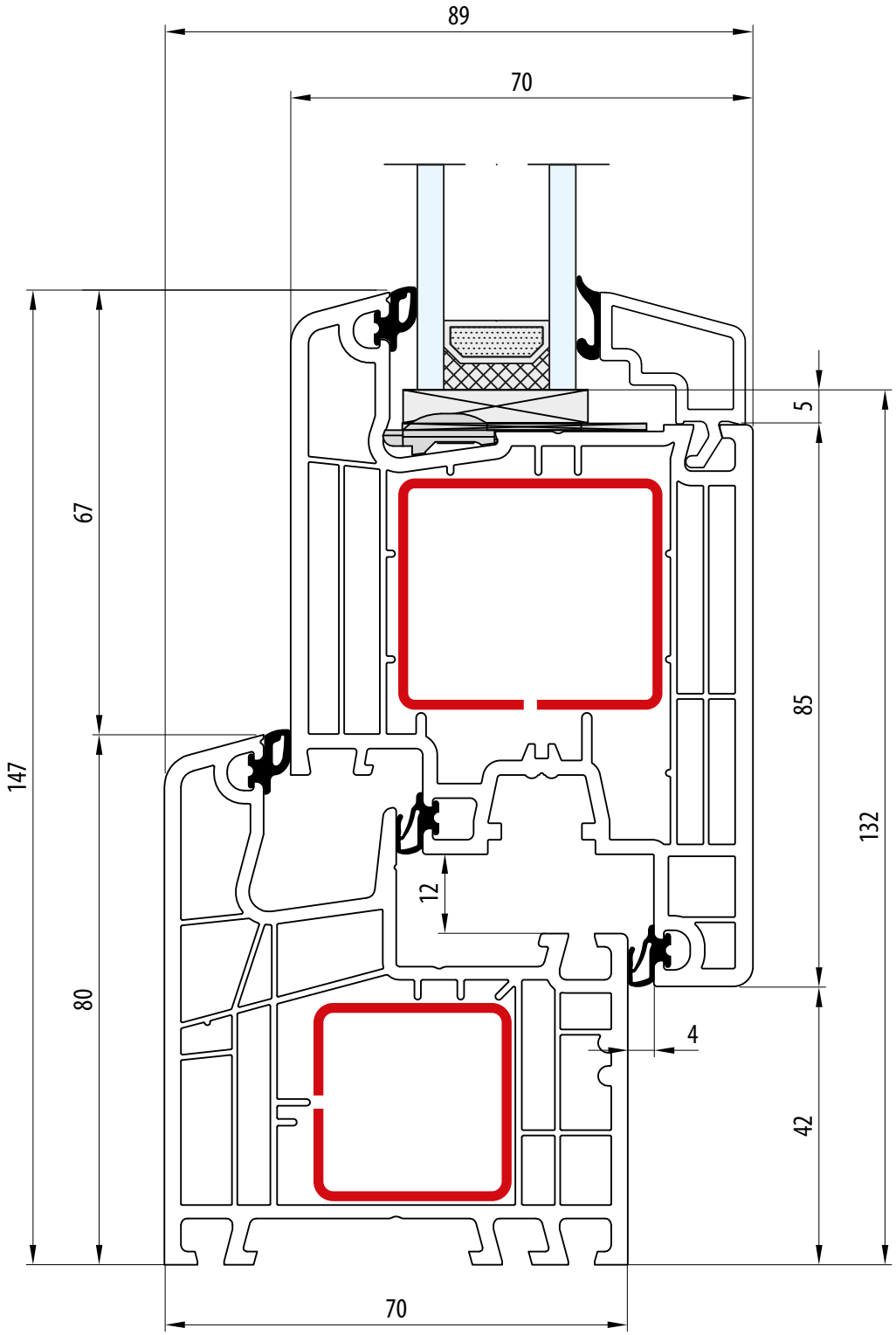



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm

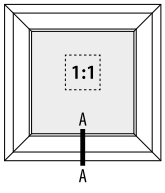


CL

SL
CL
RL

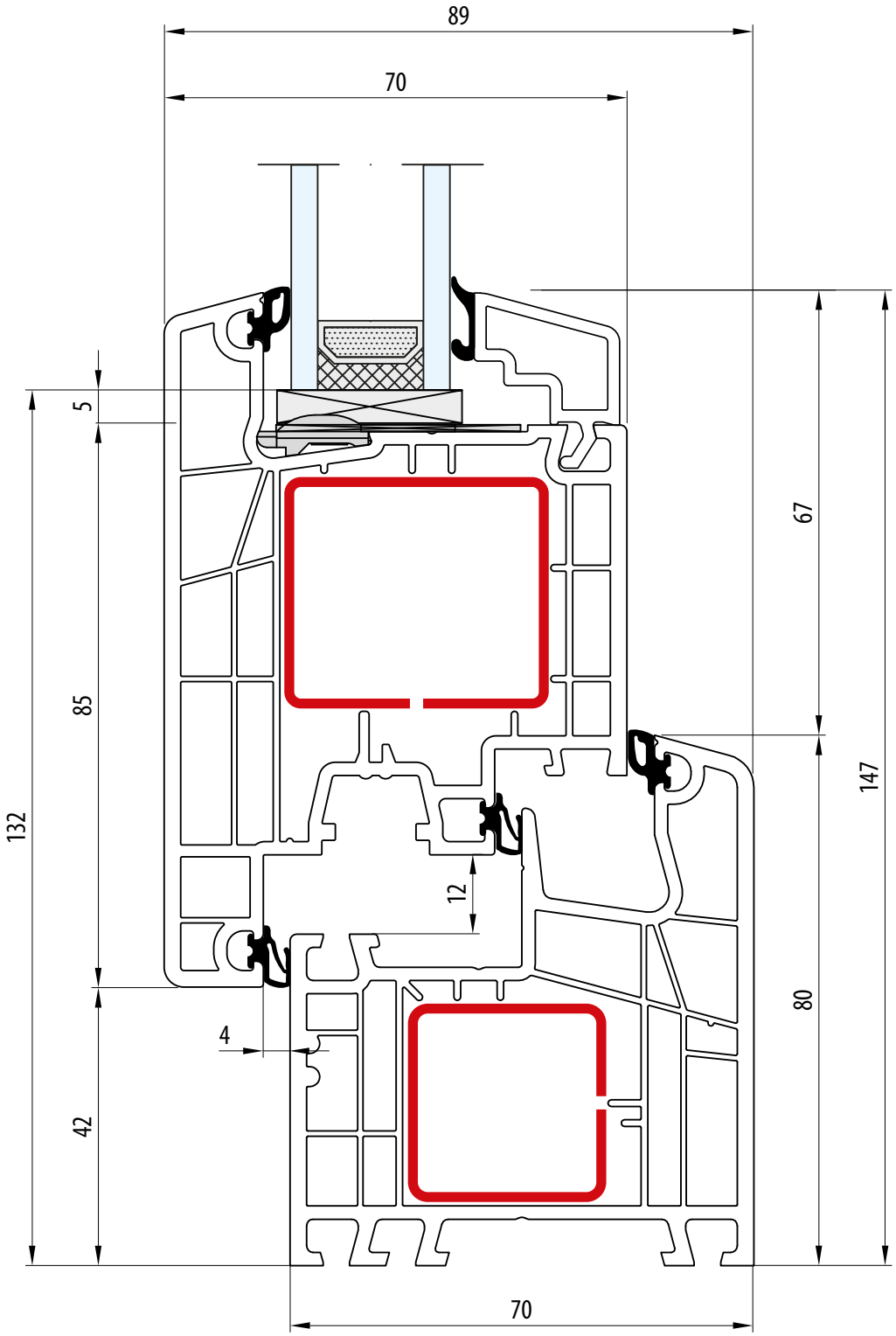



Rama: 80 mm · Skrzydło: 105 mm
Dormant: 80 mm · Vantail: 105 mm
Frame: 80 mm · Sash: 105 mm
Rahmen: 80 mm · Flügel: 105 mm
Telaio: 80 mm · Anta: 105 mm
Kader: 80 mm · Vleugel: 105 mm

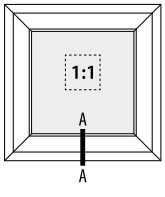


CL

SL CL RL

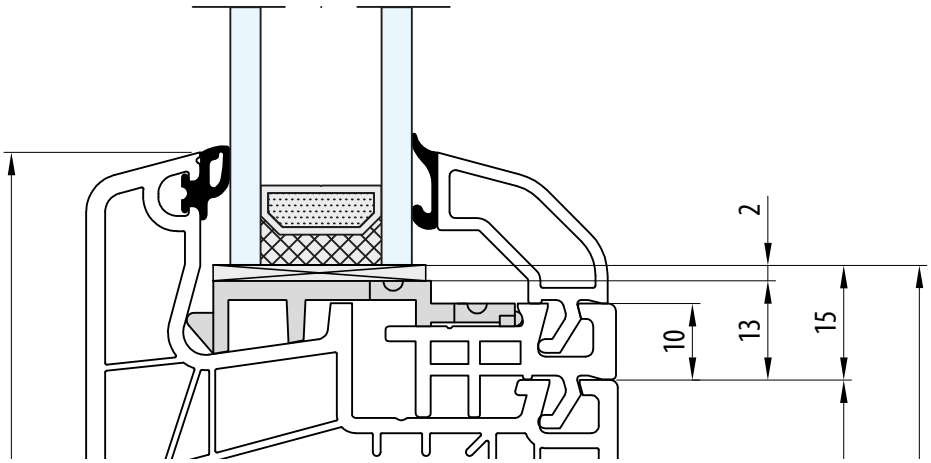


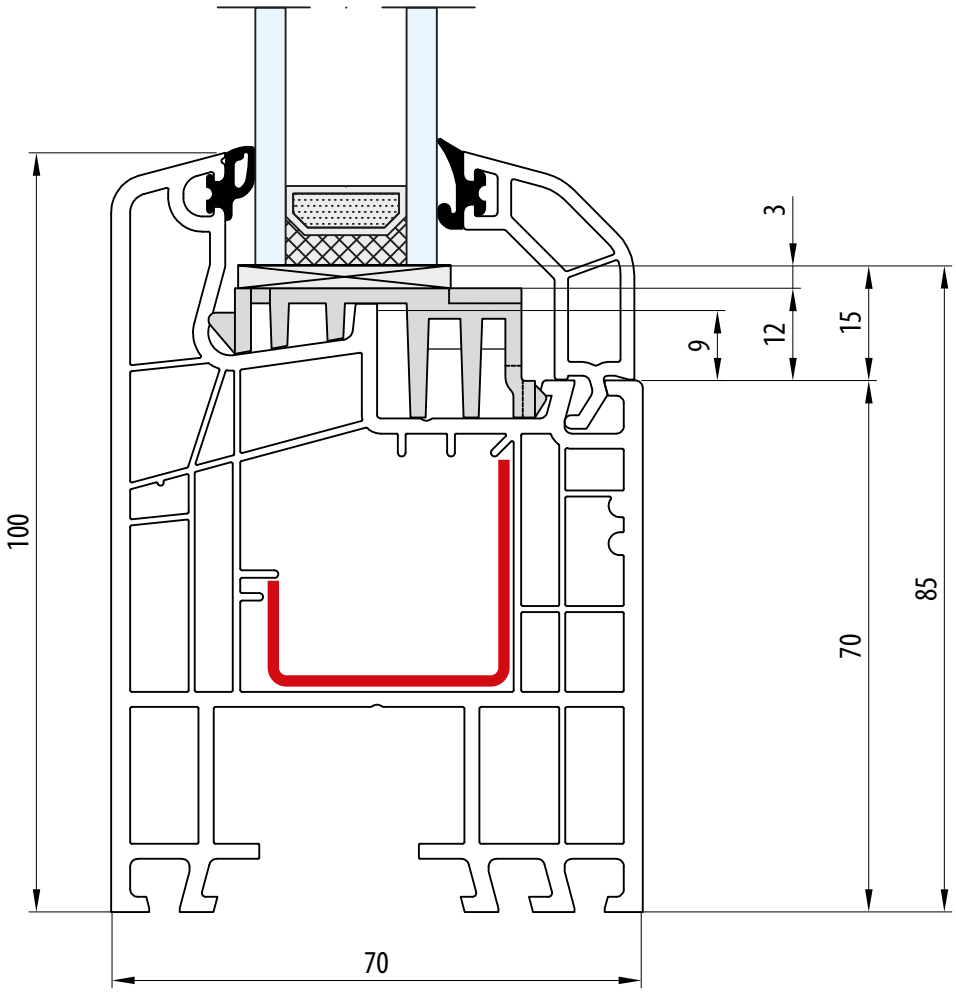

- Rama: 80 mm · Skrzydło: 105 mm
- Dormant: 80 mm · Vantail: 105 mm
- Frame: 80 mm · Sash: 105 mm
- Rahmen: 80 mm · Flügel: 105 mm
- Telaio: 80 mm · Anta: 105 mm
- Kader: 80 mm · Vleugel: 105 mm



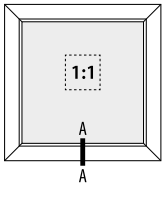
CL

SL
CL
RL



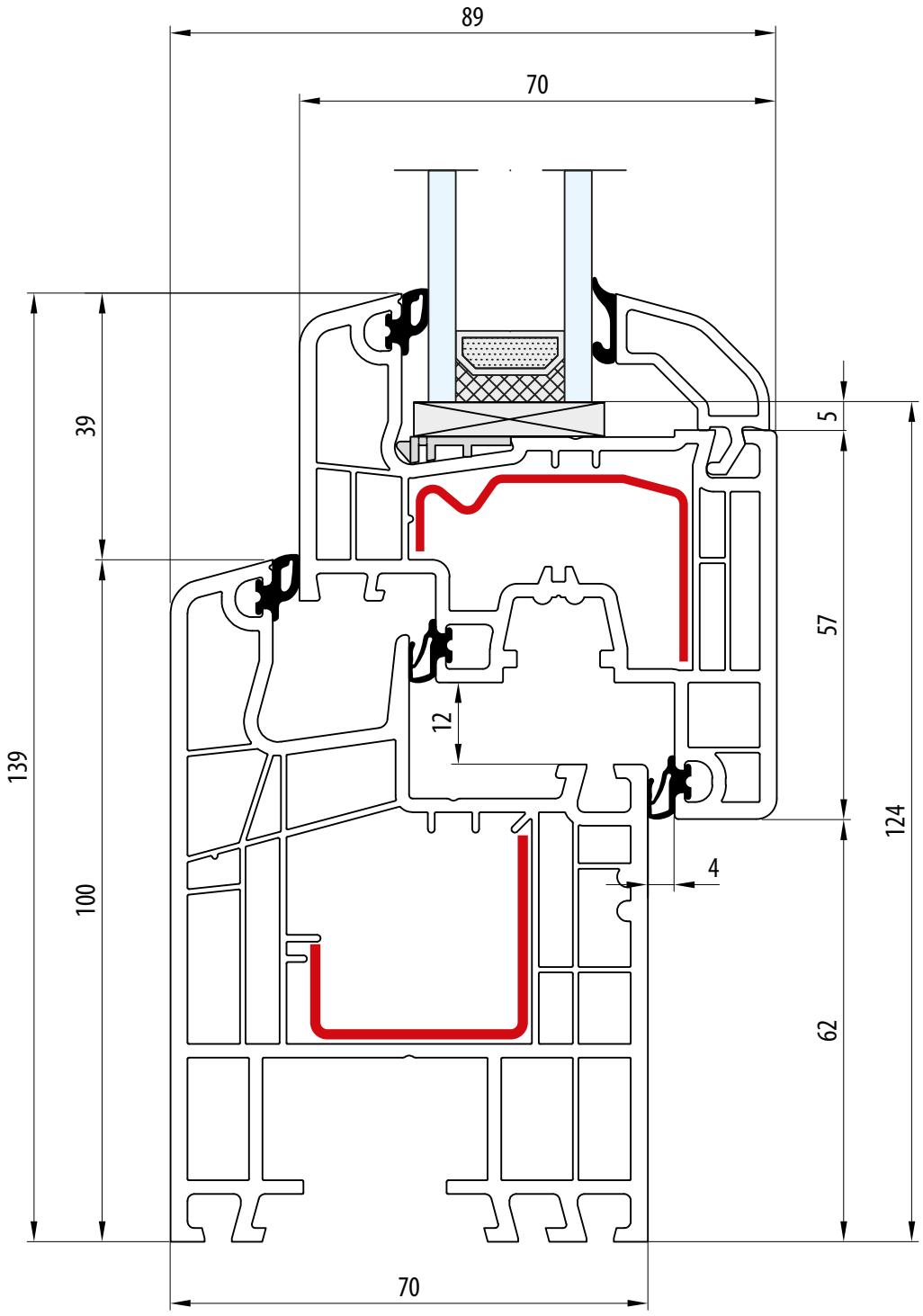




Rama: 100 mm
Dormant: 100 mm
Frame: 100 mm
Rahmen: 100 mm
Telaio: 100 mm
Kader: 100 mm

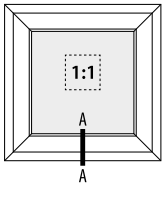


CL

SL
CL
RL

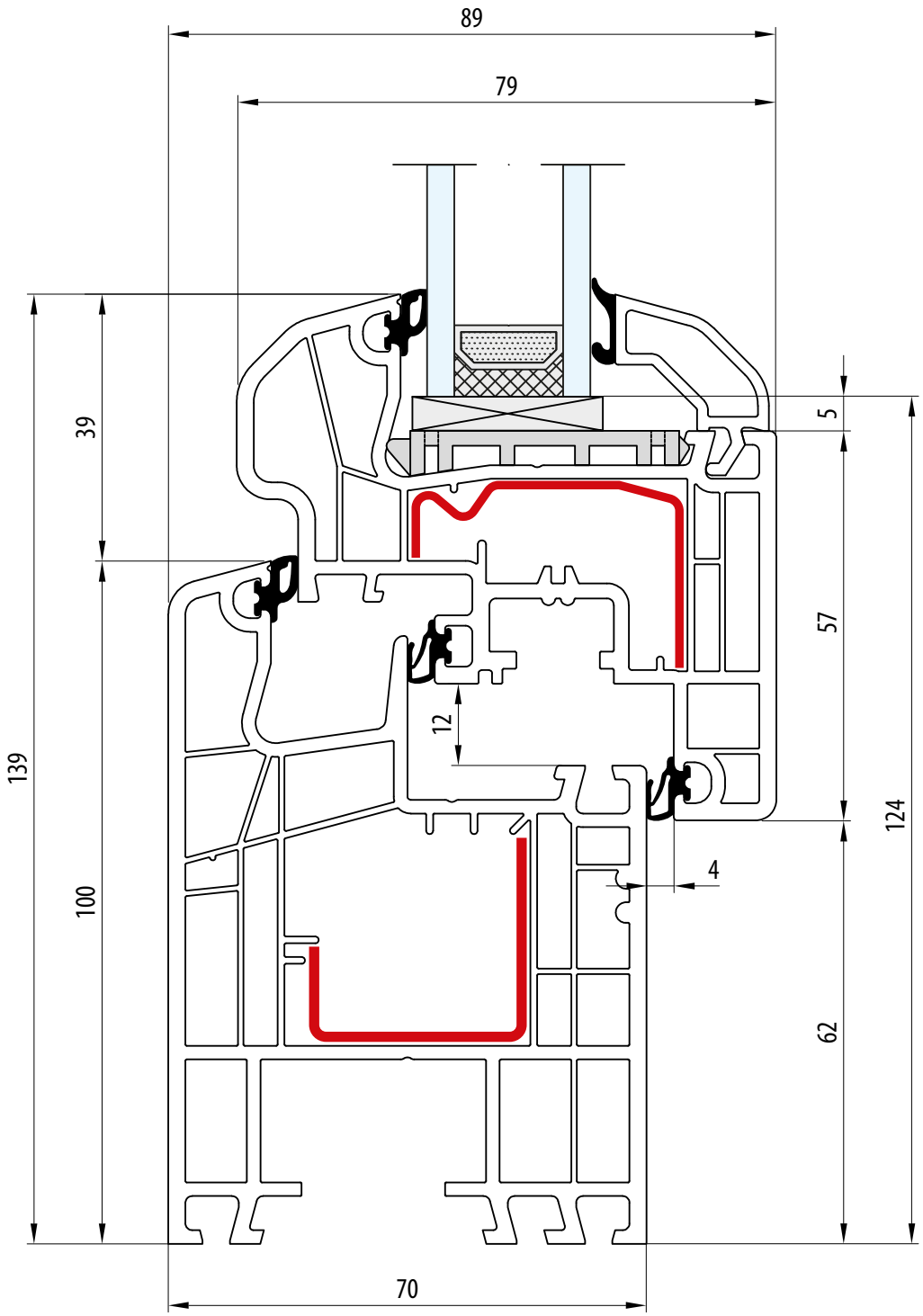



- Rama: 100 mm · Skrzydło: 77 mm
- Dormant: 100 mm · Vantail: 77 mm
- Frame: 100 mm · Sash: 77 mm
- Rahmen: 100 mm · Flügel: 77 mm
- Telaio: 100 mm · Anta: 77 mm
- Kader: 100 mm · Vleugel: 77 mm

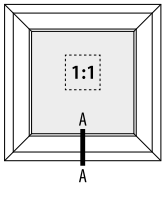


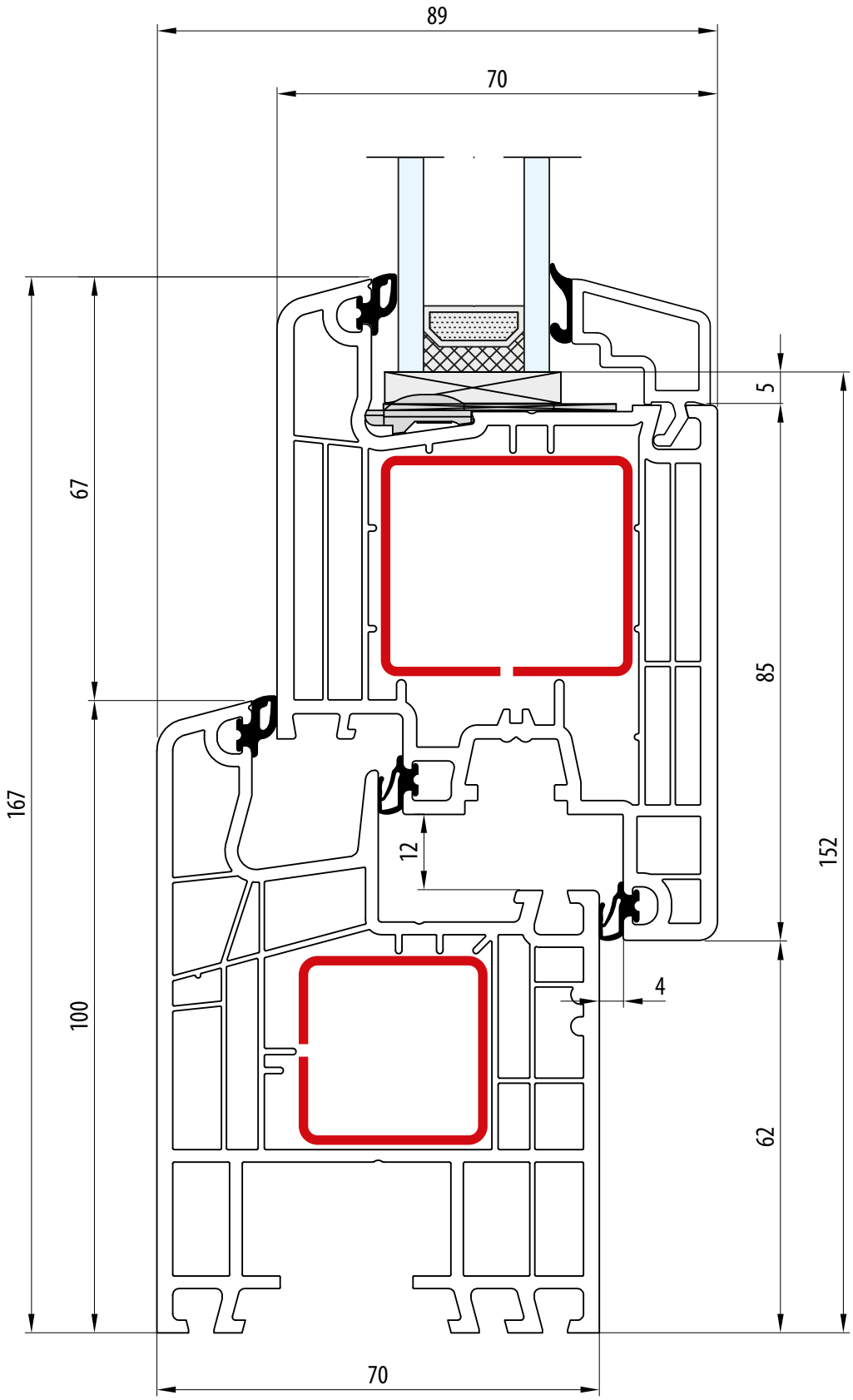
RL

SL
CL
RL

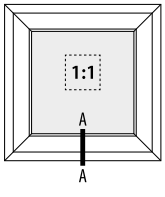



- Rama: 100 mm · Skrzydło: 77 mm
- Dormant: 100 mm · Vantail: 77 mm
- Frame: 100 mm · Sash: 77 mm
- Rahmen: 100 mm · Flügel: 77 mm
- Telaio: 100 mm · Anta: 77 mm
- Kader: 100 mm · Vleugel: 77 mm



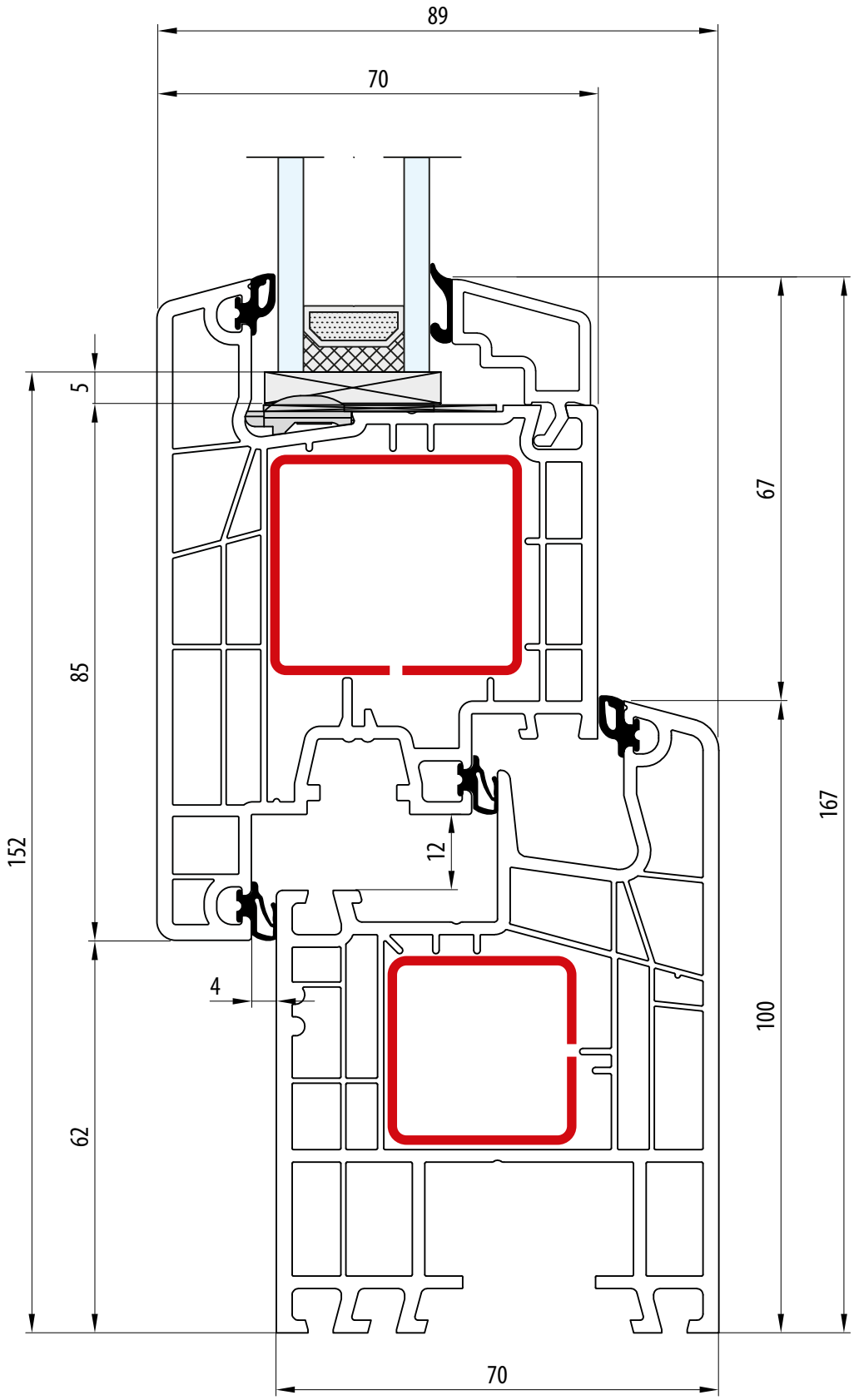



- Rama: 100 mm · Skrzydło: 105 mm
- Dormant: 100 mm · Vantail: 105 mm
- Frame: 100 mm · Sash: 105 mm
- Rahmen: 100 mm · Flügel: 105 mm
- Telaio: 100 mm · Anta: 105 mm
- Kader: 100 mm · Vleugel: 105 mm

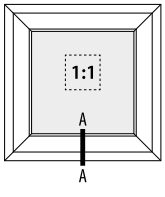


CL

SL
CL
RL




Rama: 100 mm · Skrzydło: 105 mm
Dormant: 100 mm · Vantail: 105 mm
Frame: 100 mm · Sash: 105 mm
Rahmen: 100 mm · Flügel: 105 mm
Telaio: 100 mm · Anta: 105 mm
Kader: 100 mm · Vleugel: 105 mm

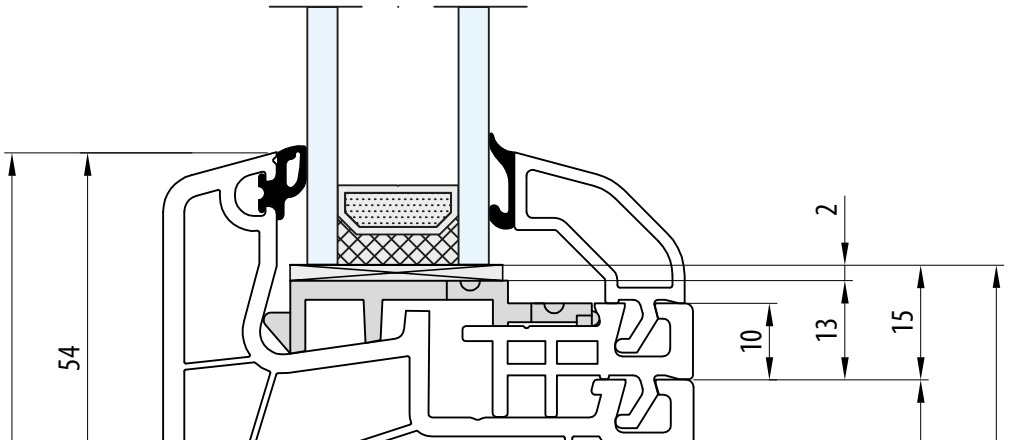


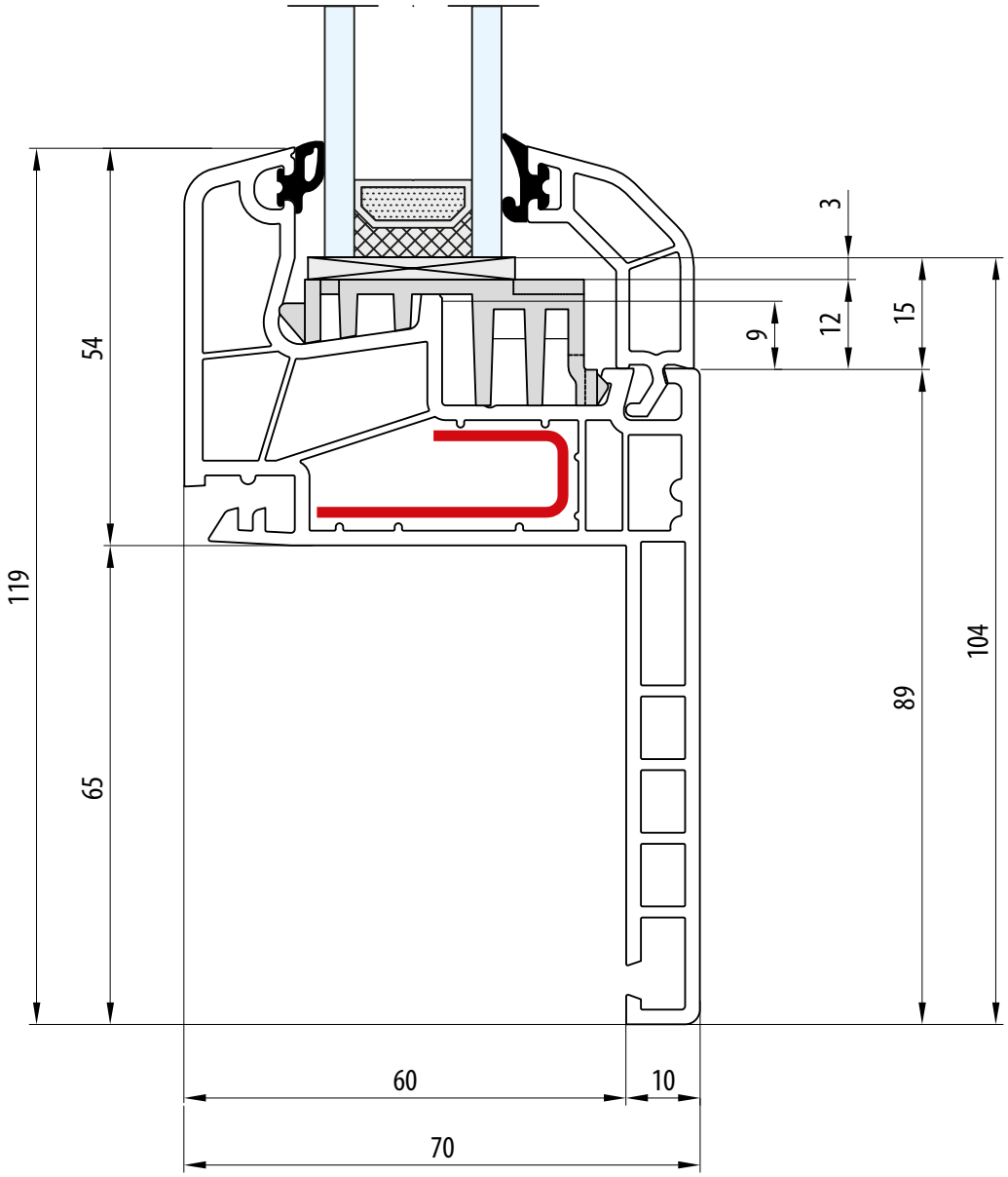




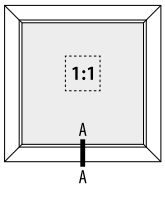






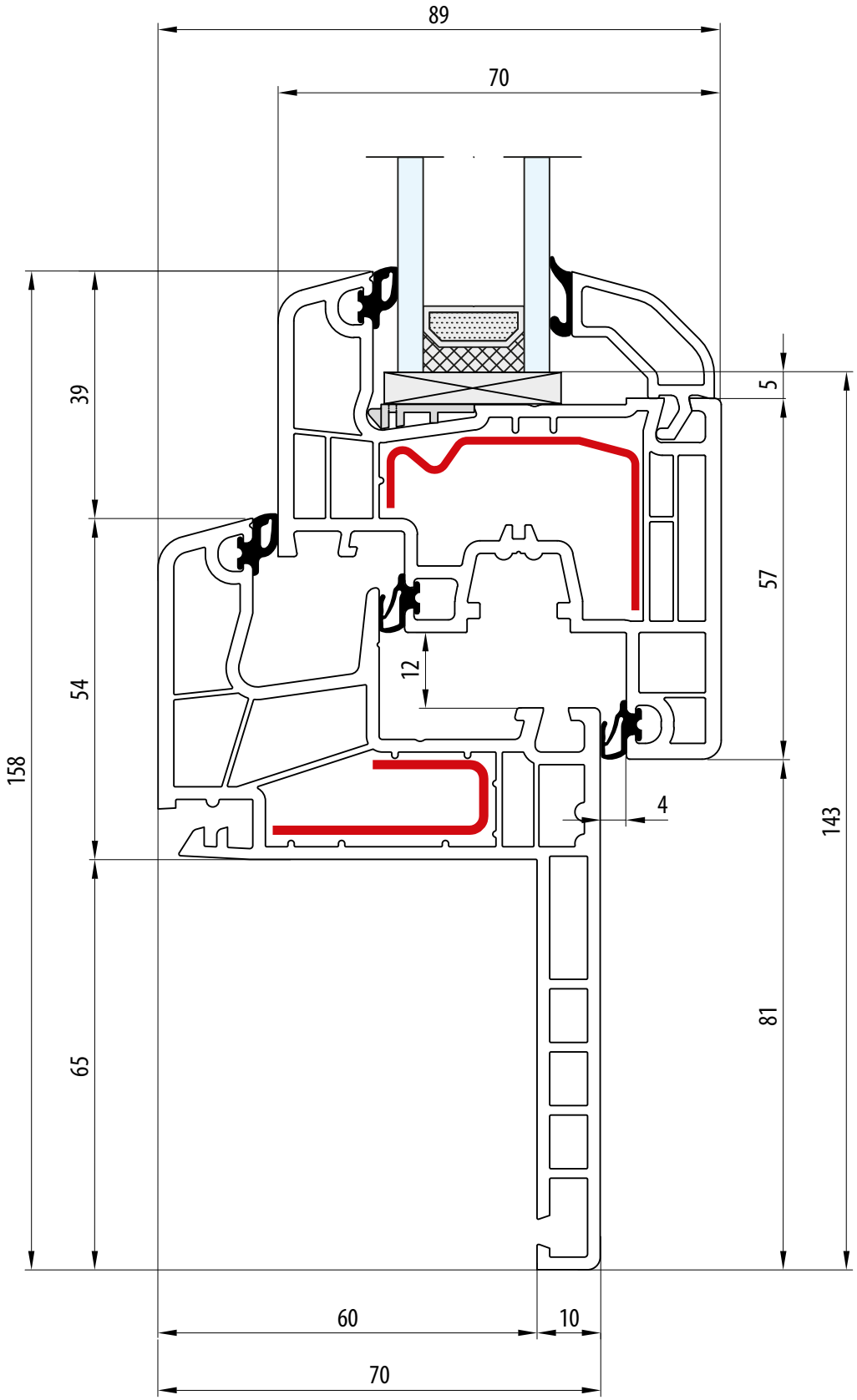




- RENOWACJA - Płetwa: 65 mm · Rama: 54 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 54 mm
- RENOVATION - Strip: 65 mm · Frame: 54 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm
- RENOVATIE - Vin: 65 mm · Kader: 54 mm

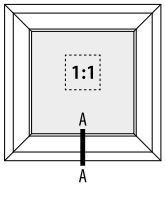


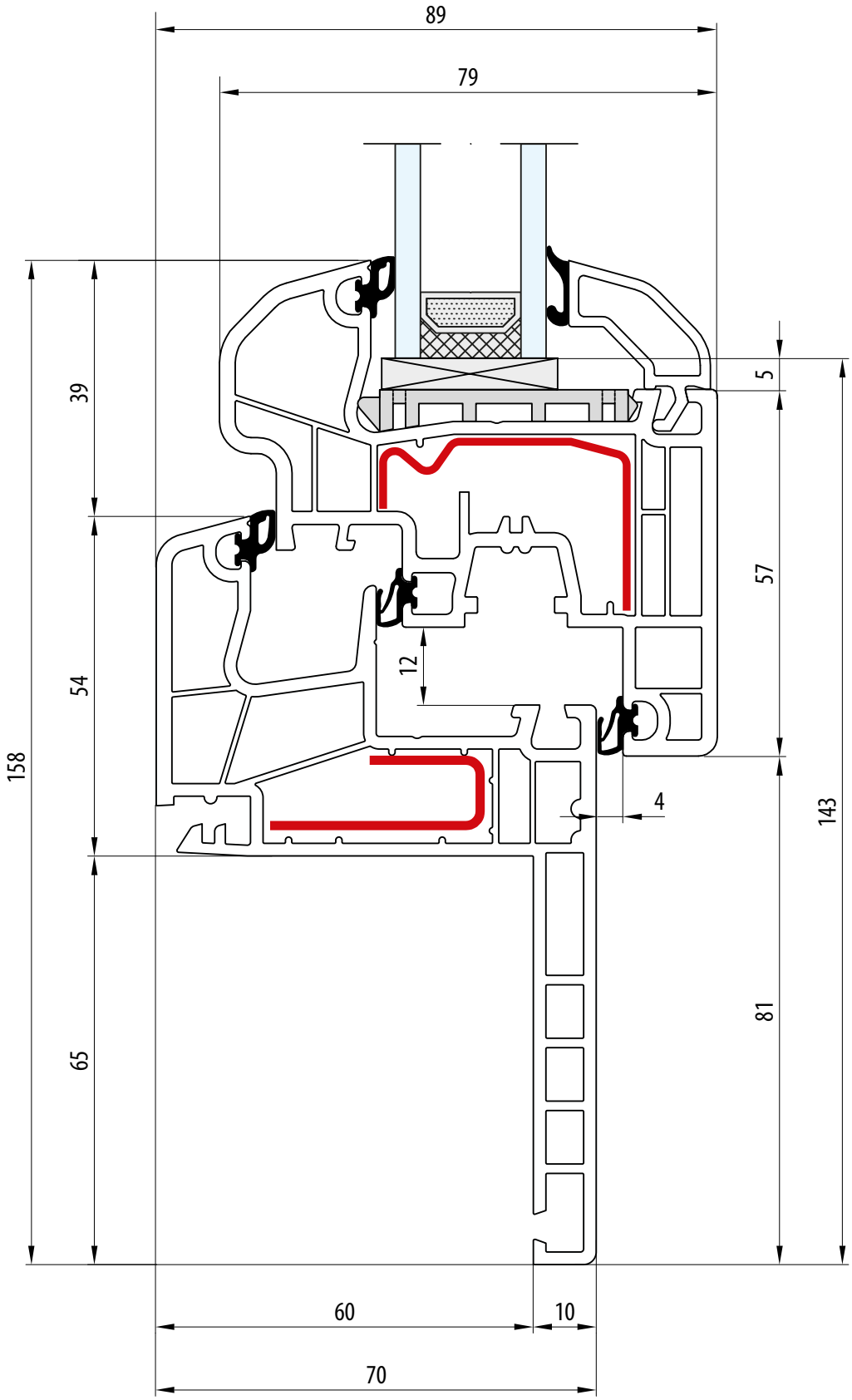
CL

SL
CL
RL

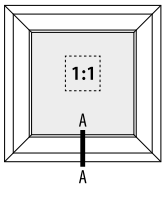


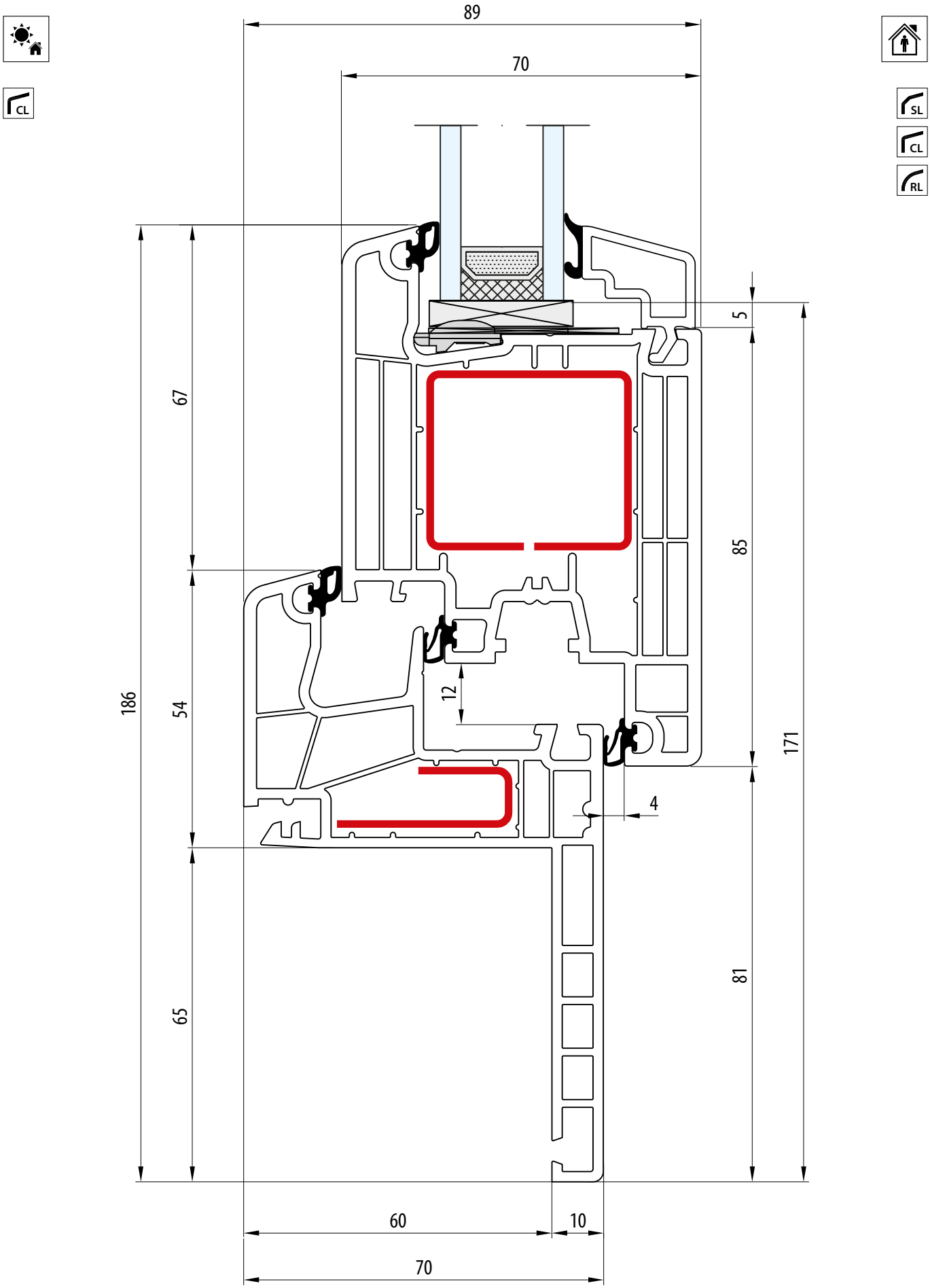

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 77 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 77 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 77 mm



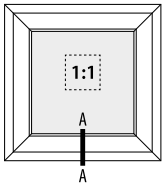



RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 77 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 77 mm
RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 77 mm






- RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 105 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 105 mm
- RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 105 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 105 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 105 mm
- RENOVATIE - Vin: 65 mm · Kader: 54 mm · Vleugel: 105 mm

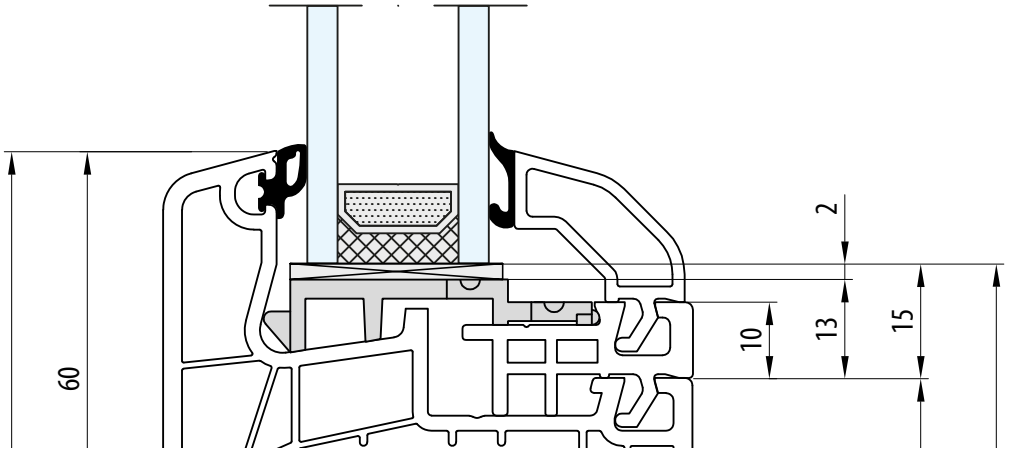


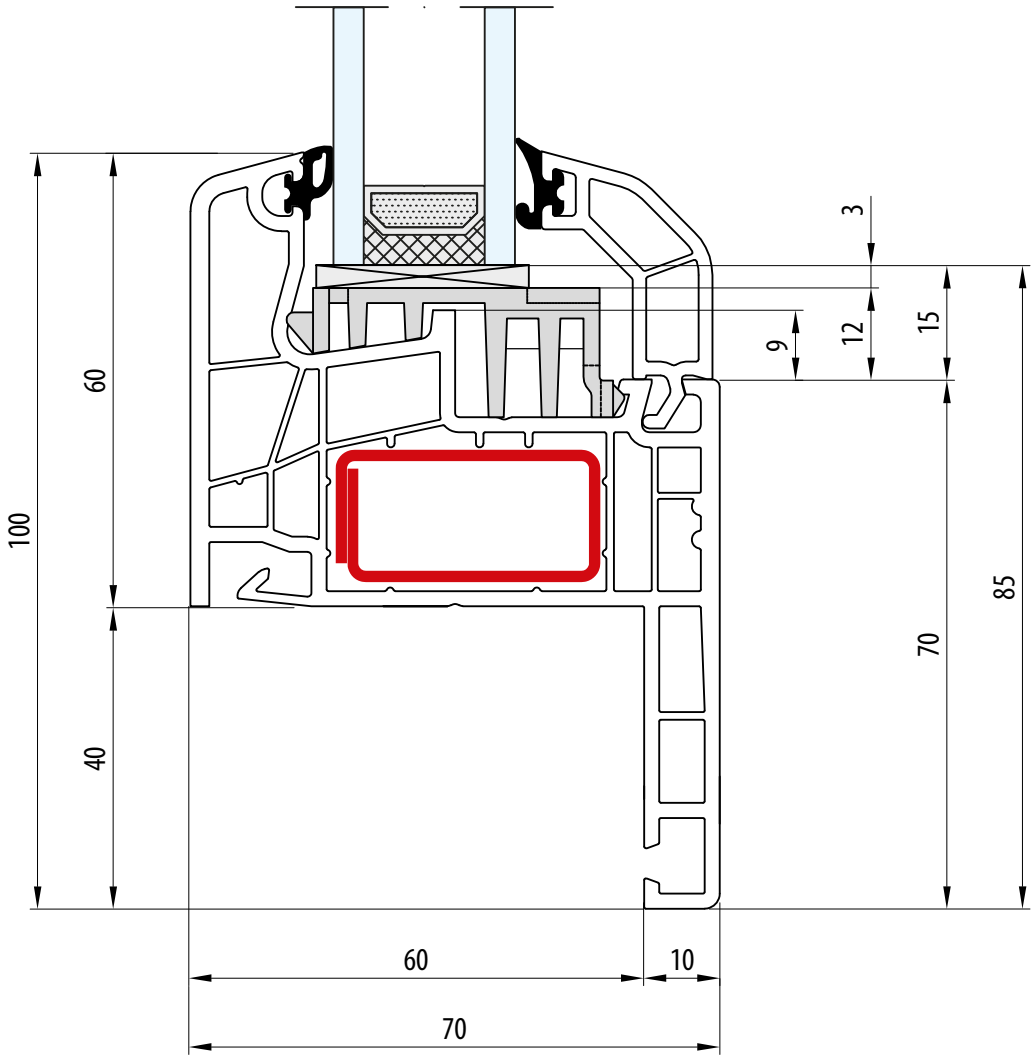




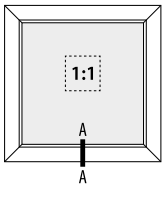
CL

SL
CL
RL



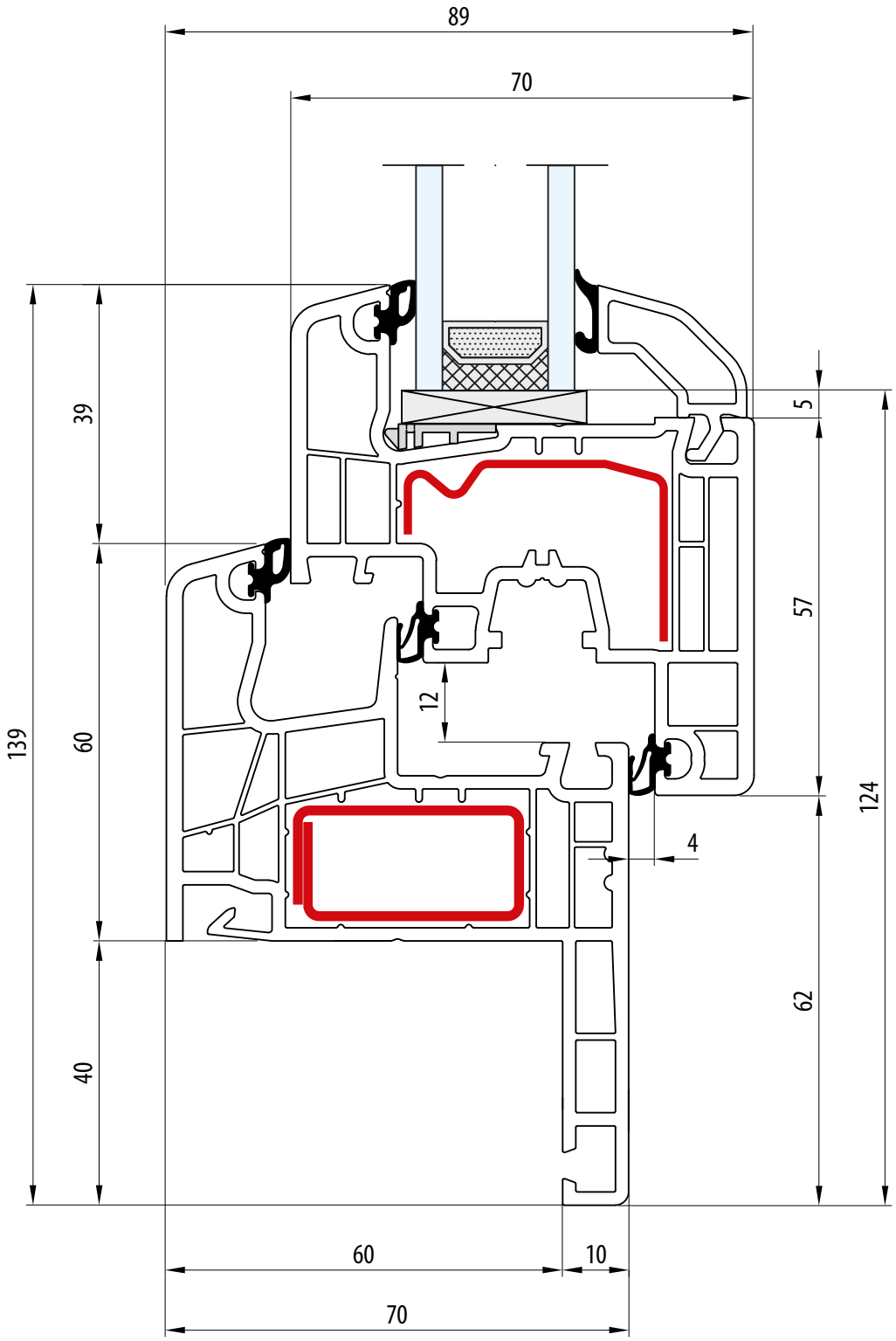




RENOWACJA - Płetwa: 40 mm · Rama: 60 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm

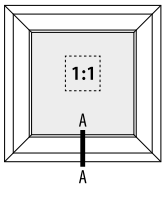


CL

SL CL RL



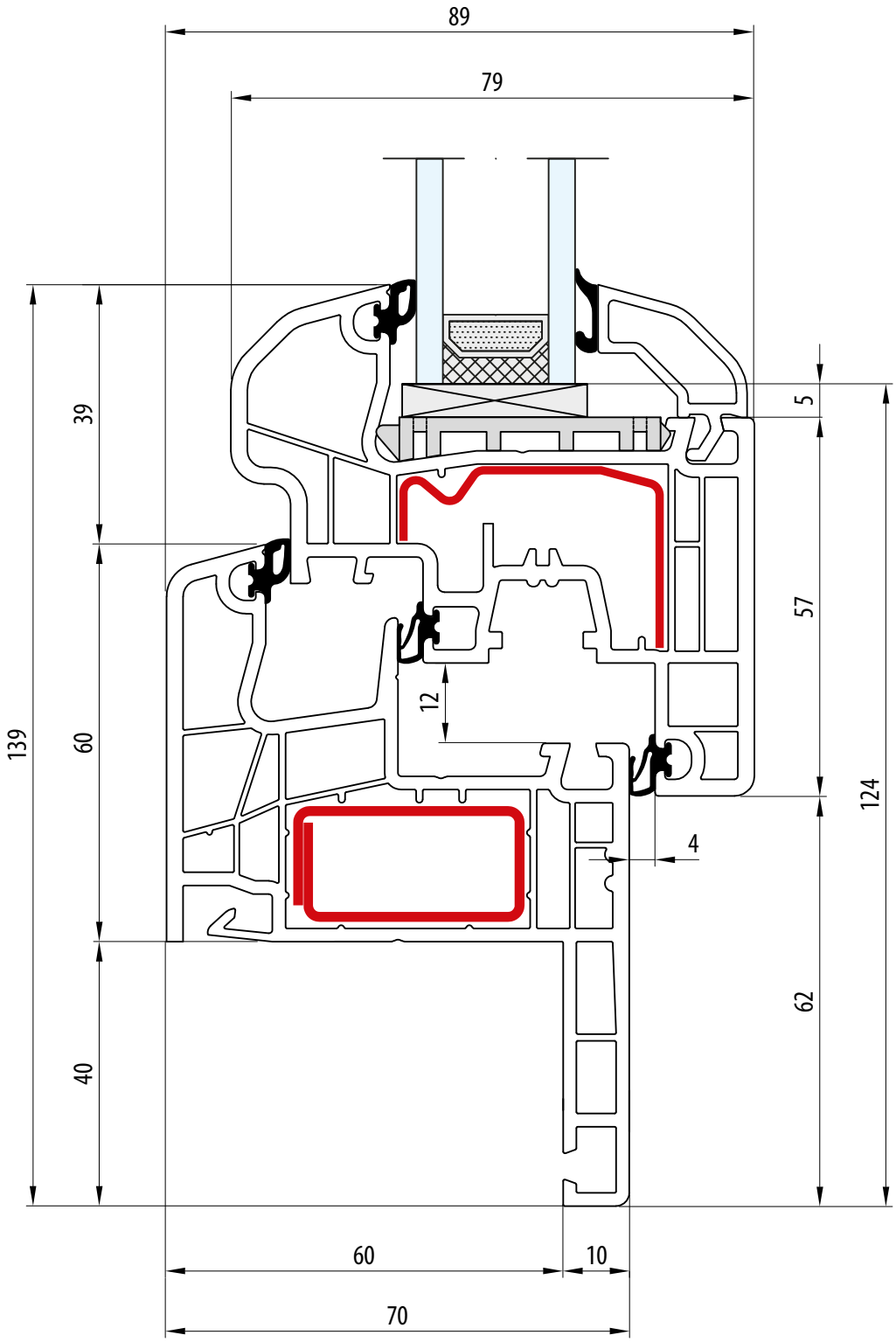

RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 77 mm



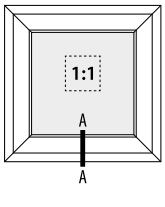






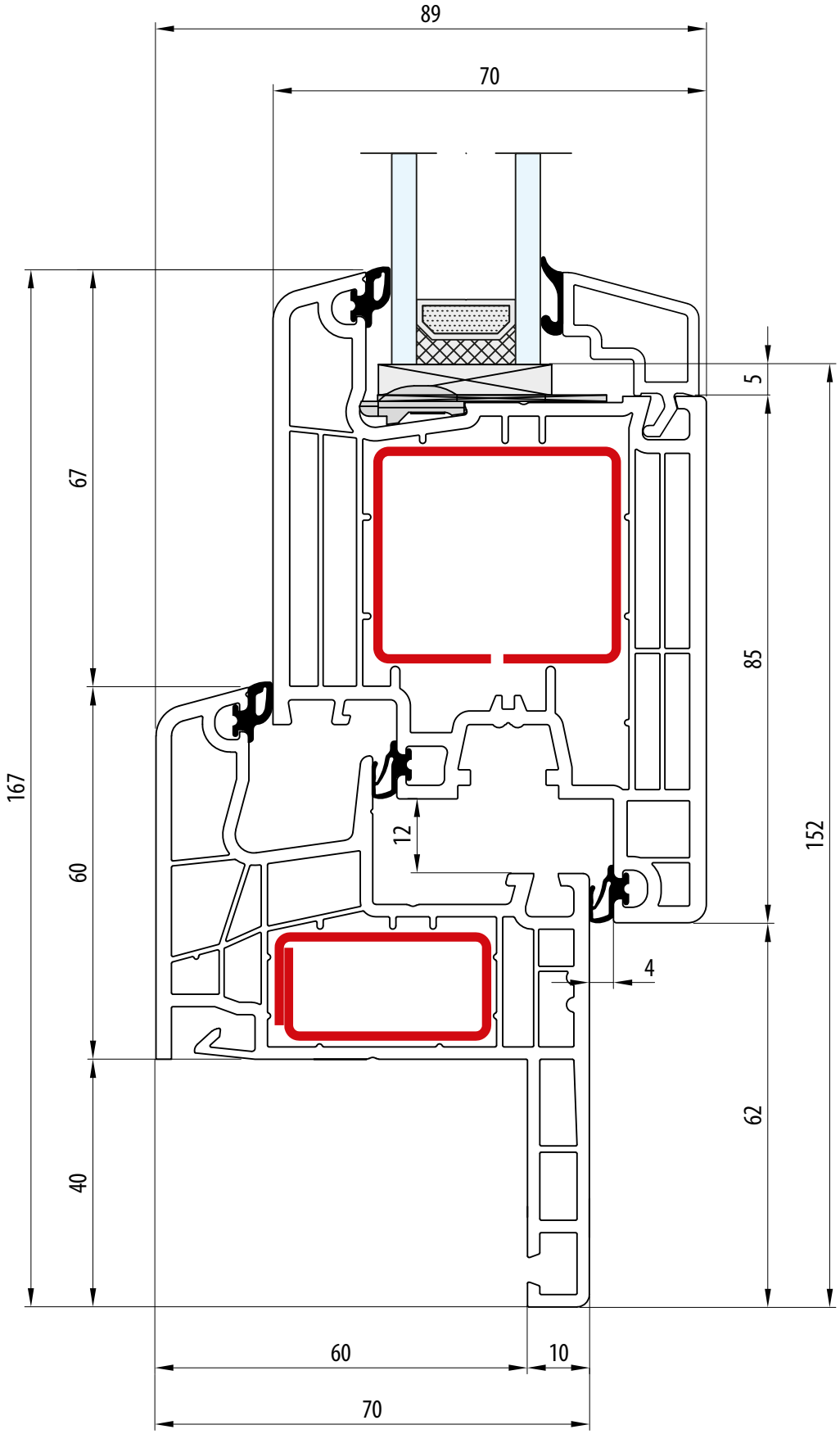




- RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 77 mm
- RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 77 mm
- RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 77 mm
- RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 77 mm
- RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 77 mm
- RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 77 mm

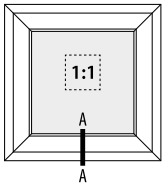


CL

SL
CL
RL

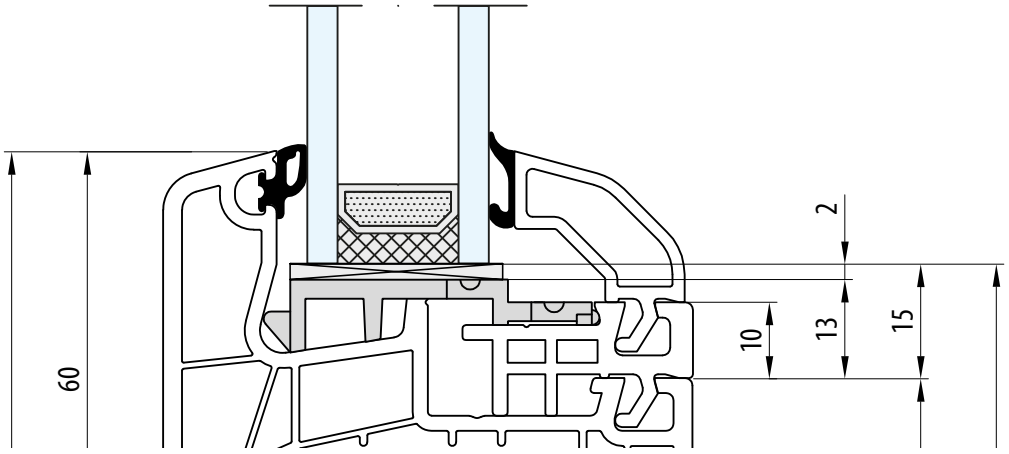


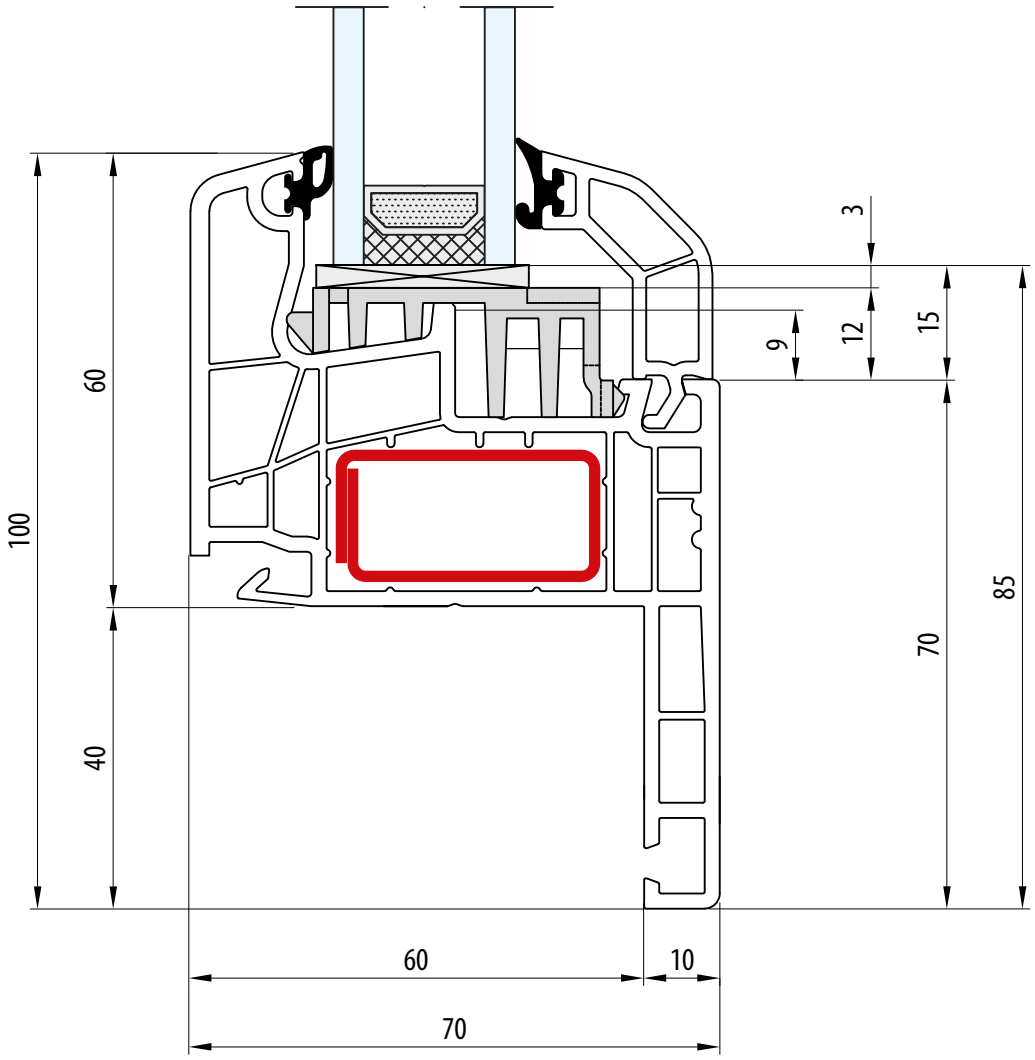

RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 105 mm



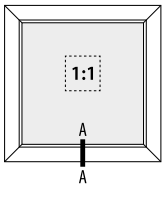




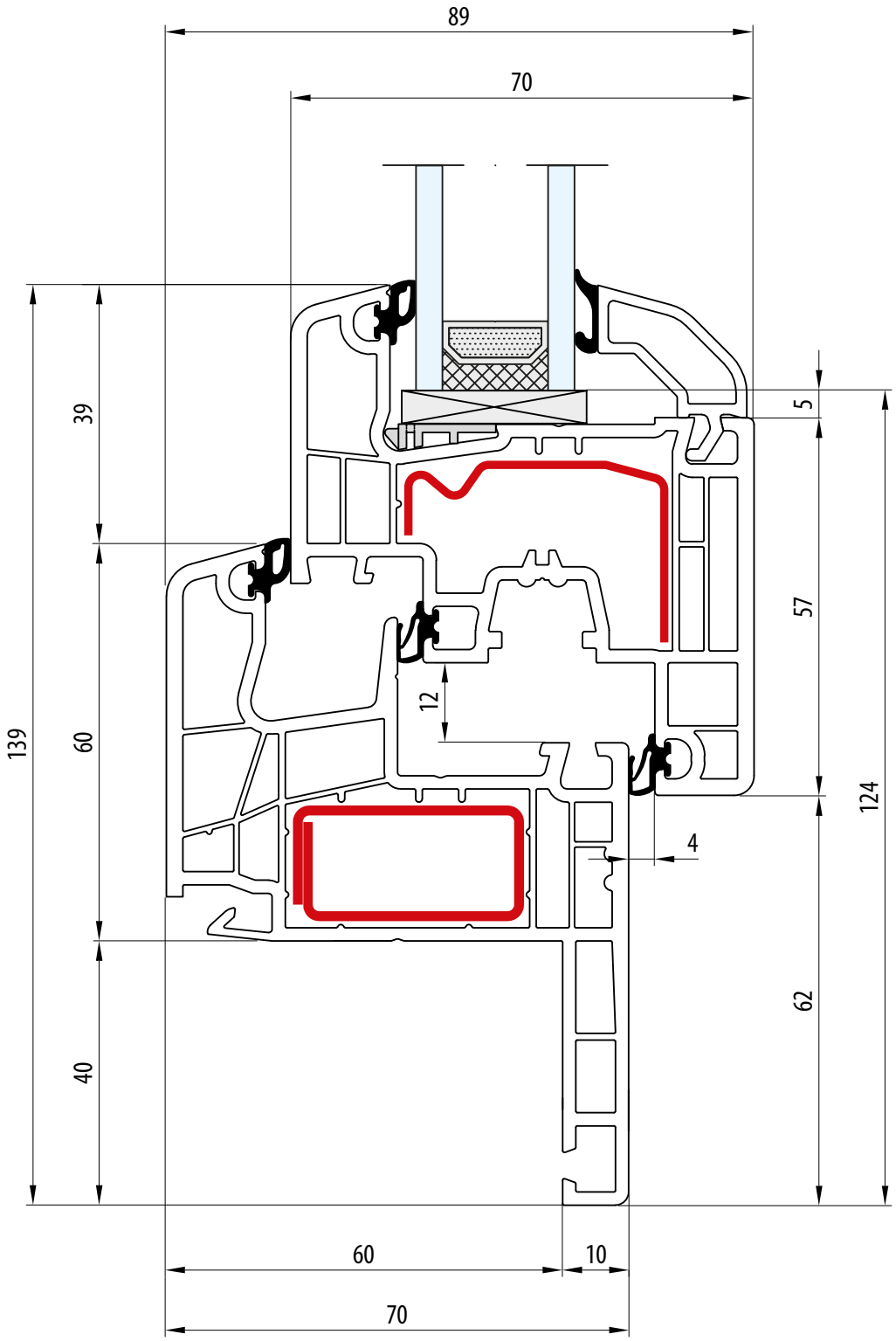




- RENOWACJA - Płetwa: 40 mm · Rama: 60 mm
- RÉNOVATION - Lip: 40 mm · Dormant: 60 mm
- RENOVATION - Strip: 40 mm · Frame: 60 mm
- RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm
- RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm
- RENOVATIE - Vin: 40 mm · Kader: 60 mm

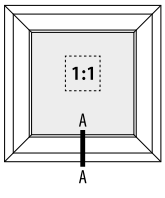


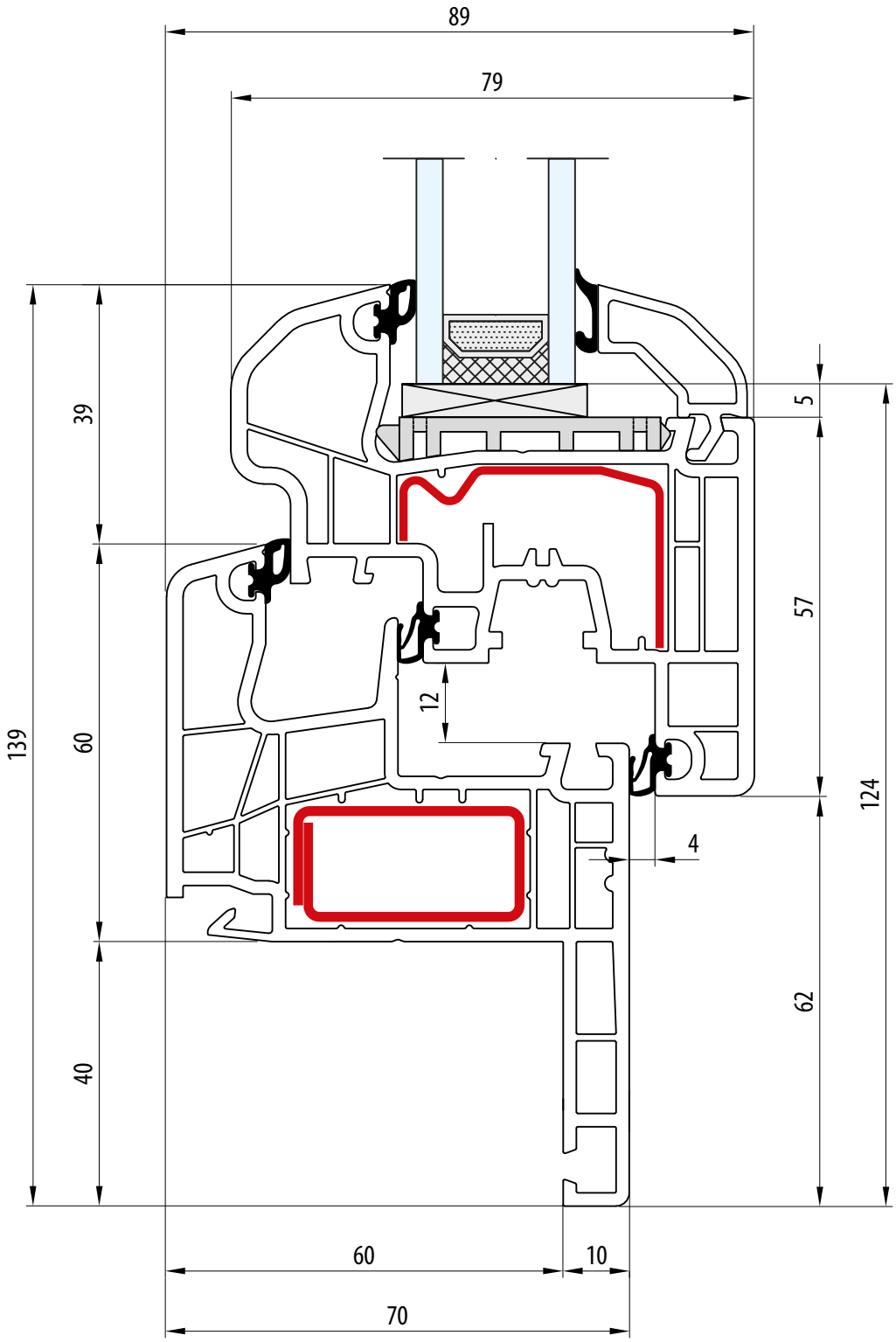
CL

SL CL RL

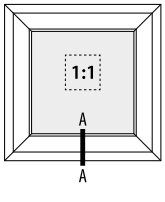



RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 77 mm



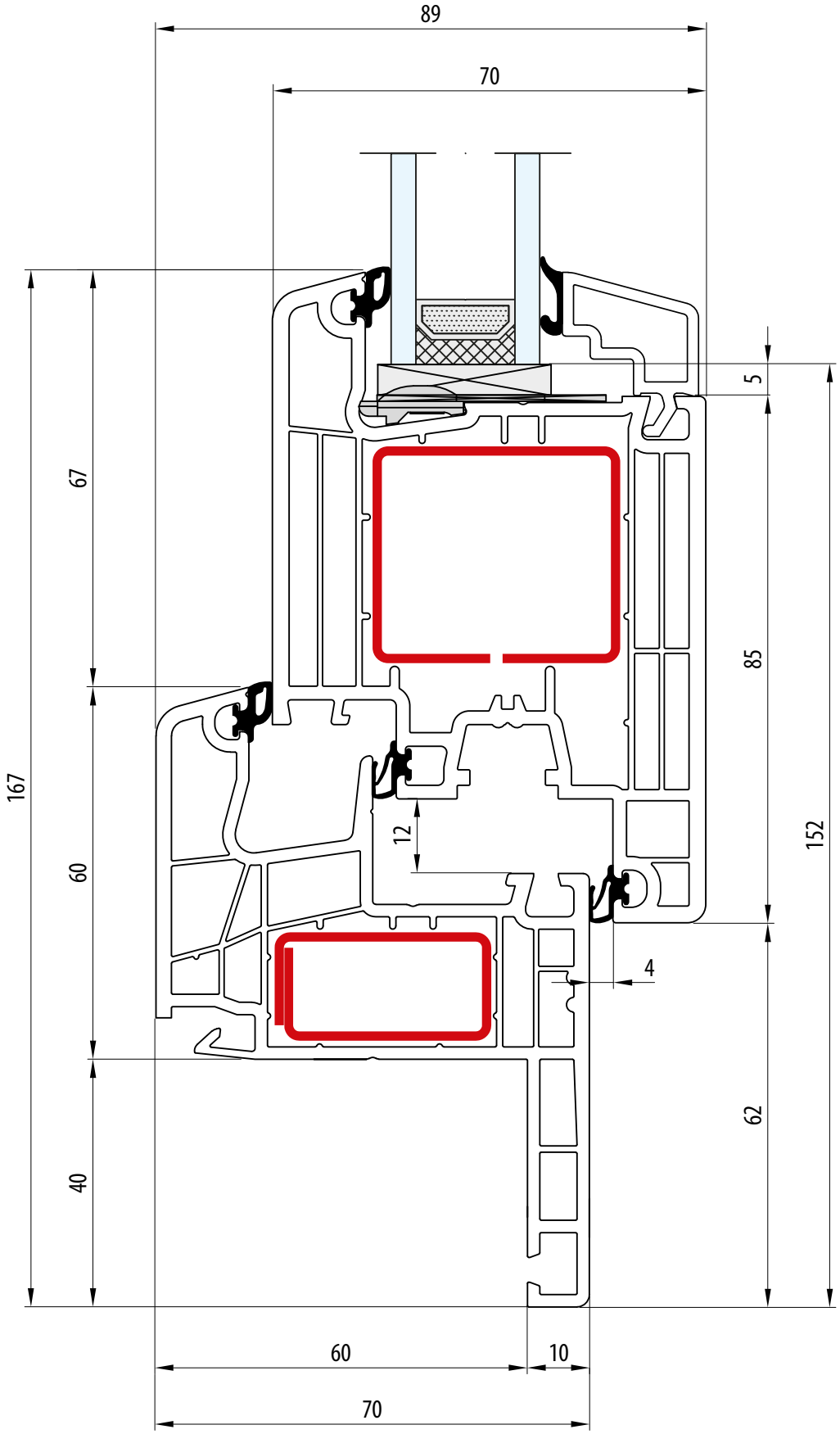



RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 77 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 77 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 77 mm

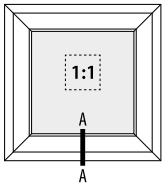


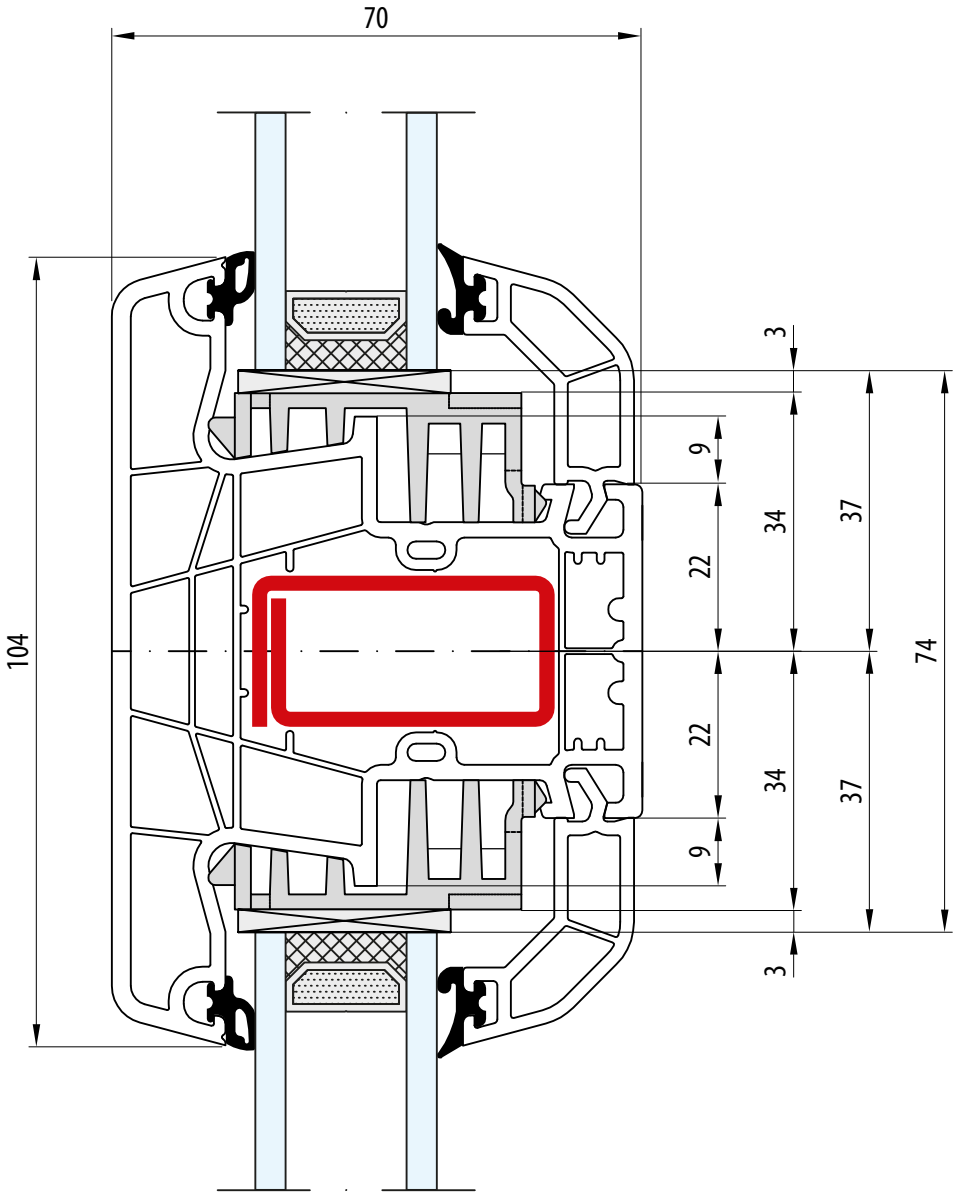
CL

SL
CL
RL

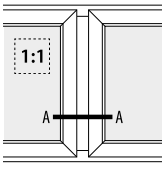



RENOWACJA - Płetwa: 40 mm · Rama: 60 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 60 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 60 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 60 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 60 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kader: 60 mm · Vleugel: 105 mm



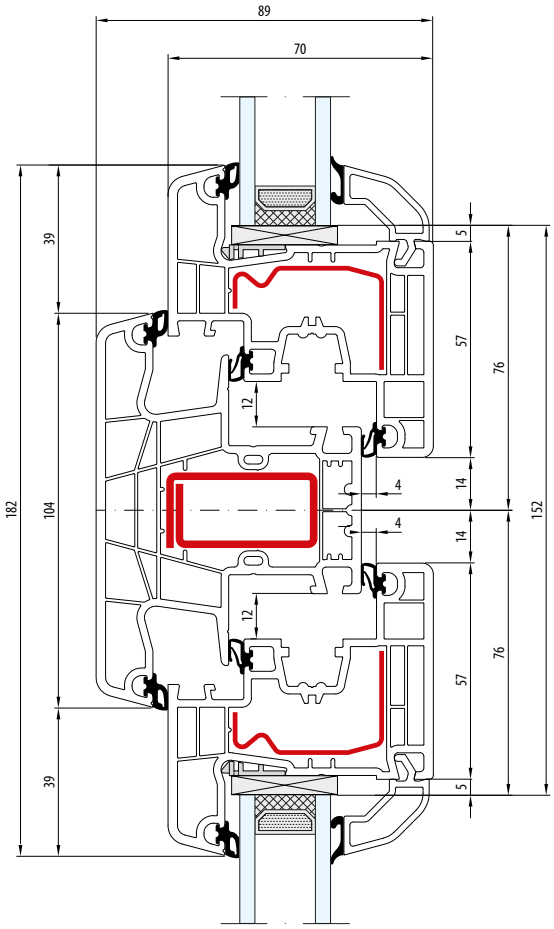



- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

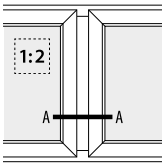


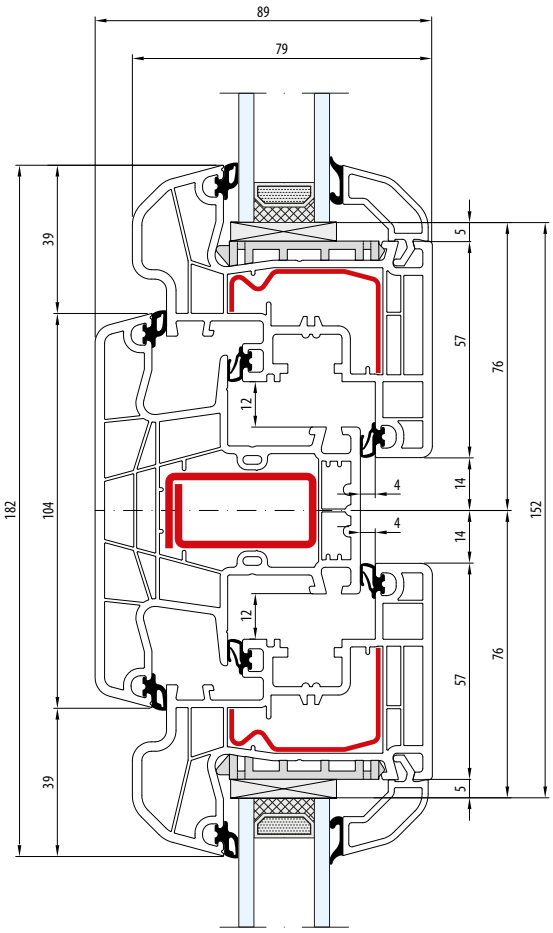
CL

SL
CL
RL

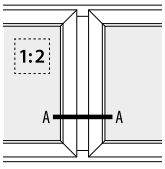



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm



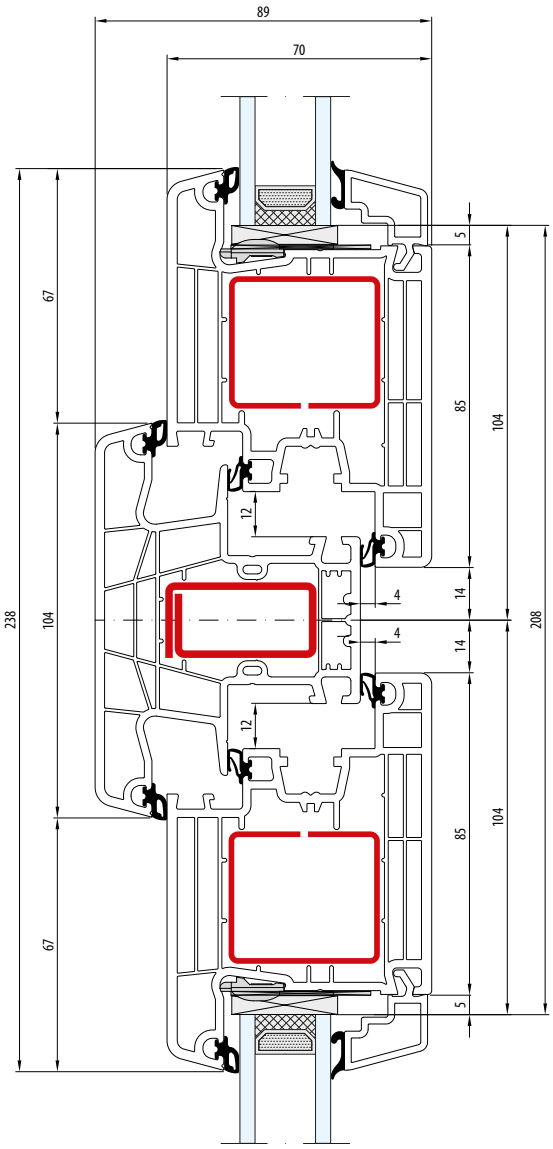



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

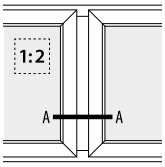


CL

SL
CL
RL




- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm







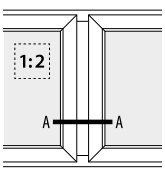






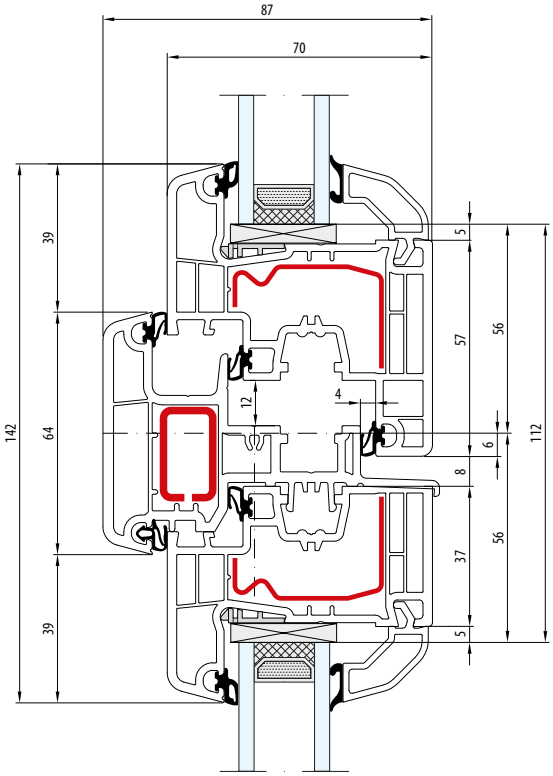



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm

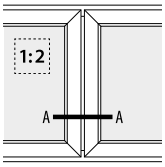


CL

SL
CL
RL

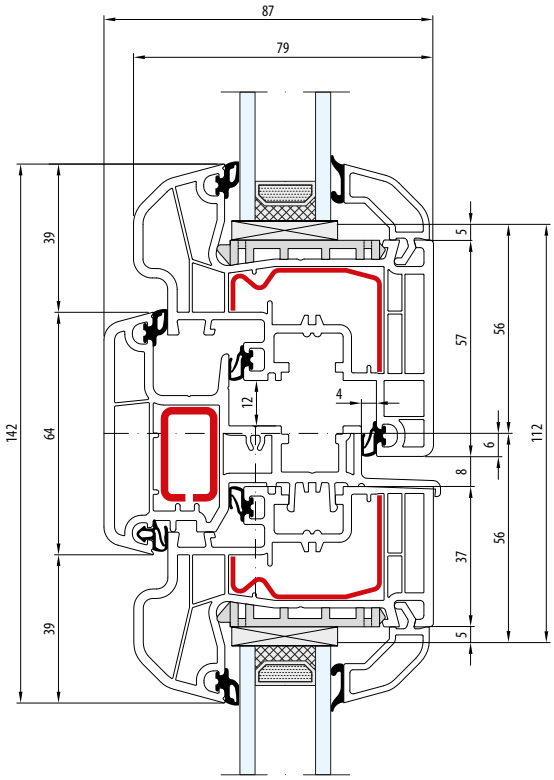



- Słupek ruchomy: 64 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 64 mm · Vantail: 77 mm / 57 mm
- Movable post: 64 mm · Sash: 77 mm / 57 mm
- Stulp: 64 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 64 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm / 57 mm

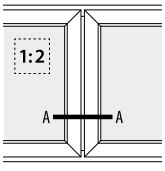


RL

SL CL RL

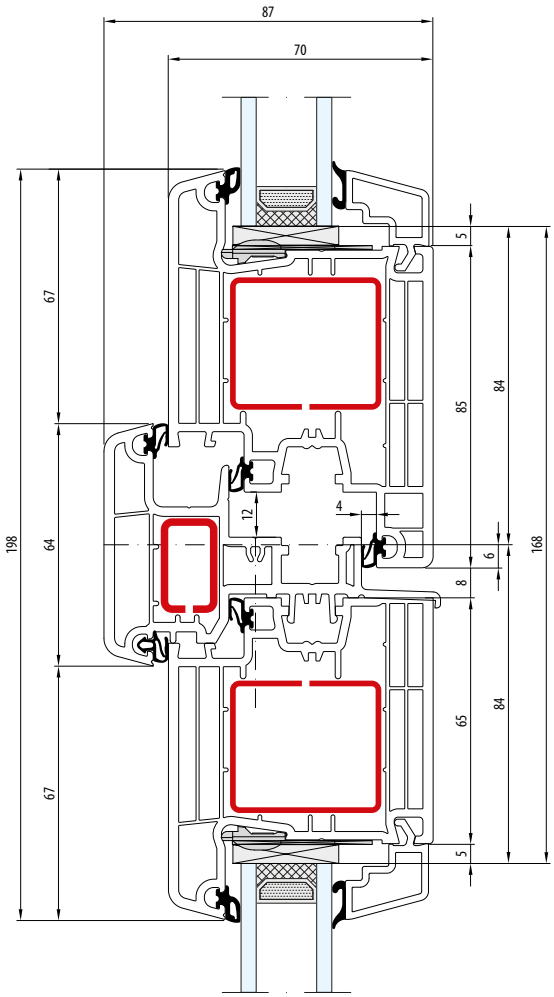



- Słupek ruchomy: 64 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 64 mm · Vantail: 77 mm / 57 mm
- Movable post: 64 mm · Sash: 77 mm / 57 mm
- Stulp: 64 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 64 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm / 57 mm

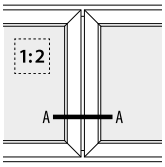


CL

SL
CL
RL

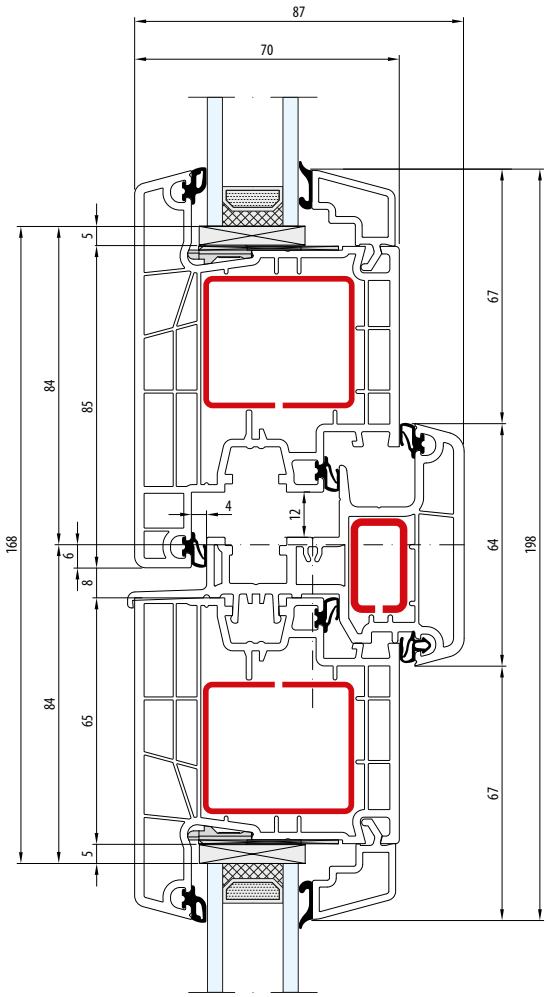



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm / 85 mm
- Meneau mobile: 64 mm · Vantail: 105 mm / 85 mm
- Movable post: 64 mm · Sash: 105 mm / 85 mm
- Stulp: 64 mm · Flügel: 105 mm / 85 mm
- Montante mobile: 64 mm · Anta: 105 mm / 85 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm / 85 mm

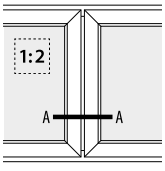


CL

SL
CL
RL

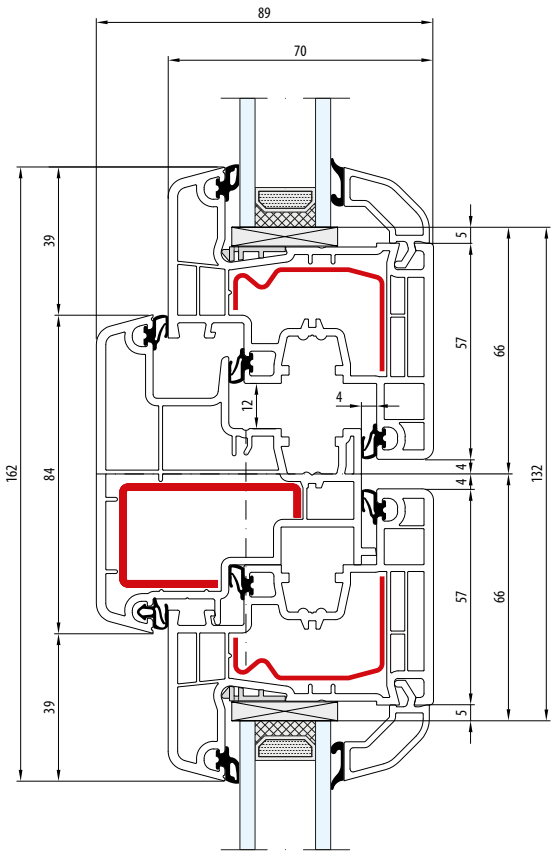



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm / 85 mm
- Meneau mobile: 64 mm · Vantail: 105 mm / 85 mm
- Movable post: 64 mm · Sash: 105 mm / 85 mm
- Stulp: 64 mm · Flügel: 105 mm / 85 mm
- Montante mobile: 64 mm · Anta: 105 mm / 85 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm / 85 mm

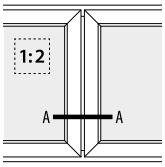


CL

SL
CL
RL

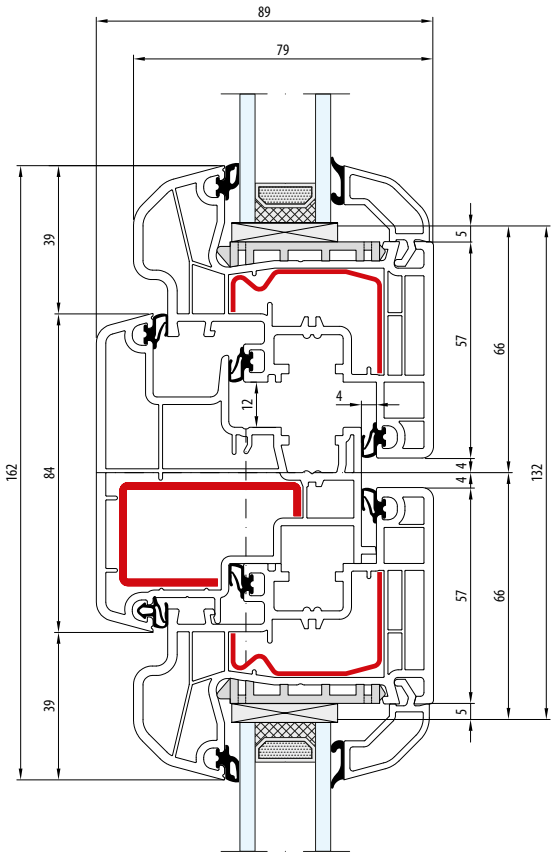



- Słupek ruchomy: 84 mm · Skrzydło: 77 mm
- Meneau mobile: 84 mm · Vantail: 77 mm
- Movable post: 84 mm · Sash: 77 mm
- Stulp: 84 mm · Flügel: 77 mm
- Montante mobile: 84 mm · Anta: 77 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 77 mm

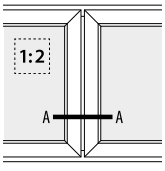


RL

SL
CL
RL

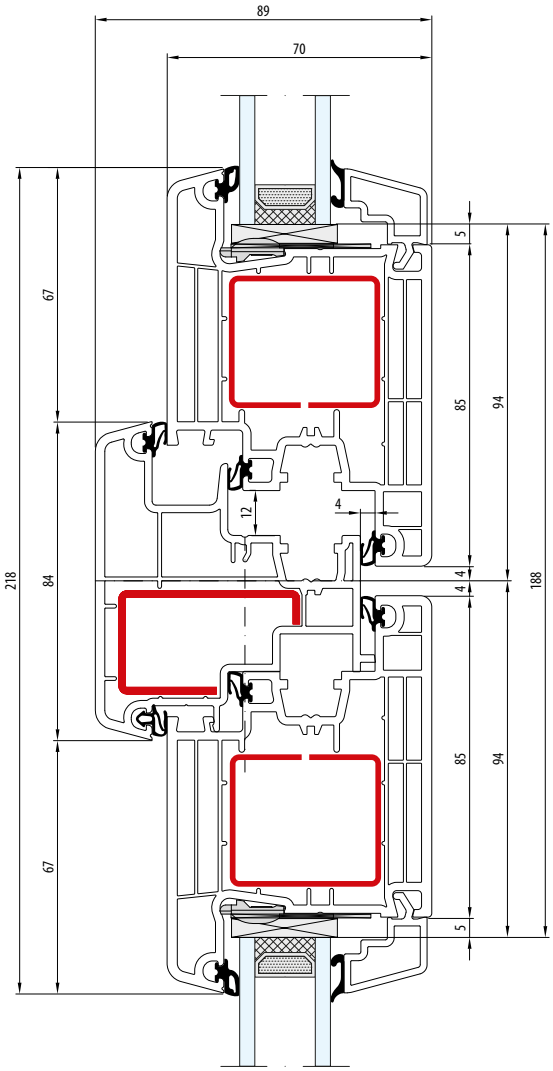



- Słupek ruchomy: 84 mm · Skrzydło: 77 mm
- Meneau mobile: 84 mm · Vantail: 77 mm
- Movable post: 84 mm · Sash: 77 mm
- Stulp: 84 mm · Flügel: 77 mm
- Montante mobile: 84 mm · Anta: 77 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 77 mm

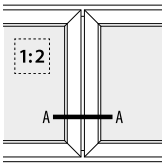


CL

SL
CL
RL

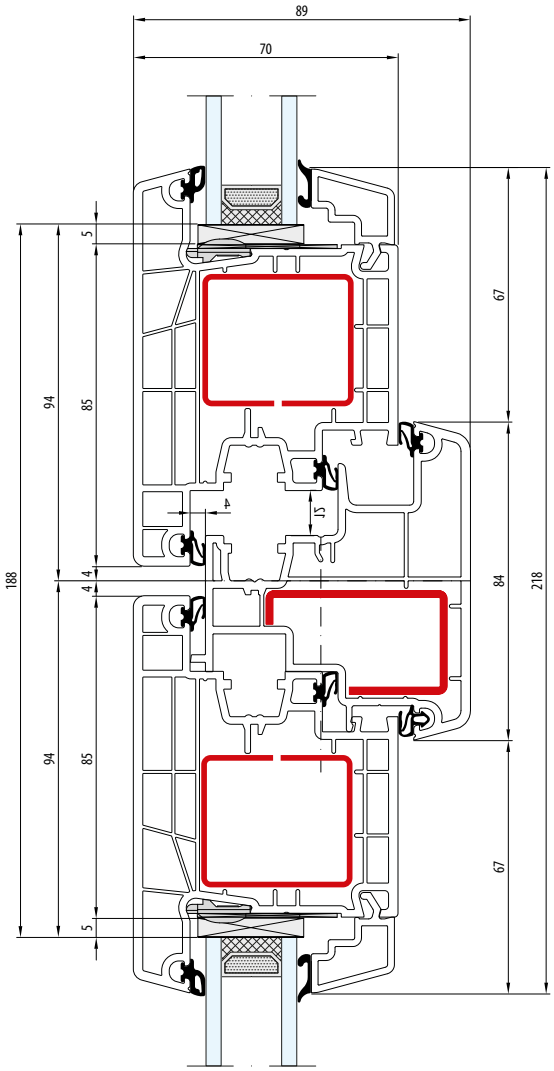



- Słupek ruchomy: 84 mm · Skrzydło: 105 mm
- Meneau mobile: 84 mm · Vantail: 105 mm
- Movable post: 84 mm · Sash: 105 mm
- Stulp: 84 mm · Flügel: 105 mm
- Montante mobile: 84 mm · Anta: 105 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 105 mm

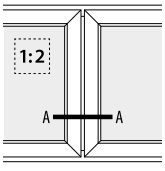


CL

SL
CL
RL

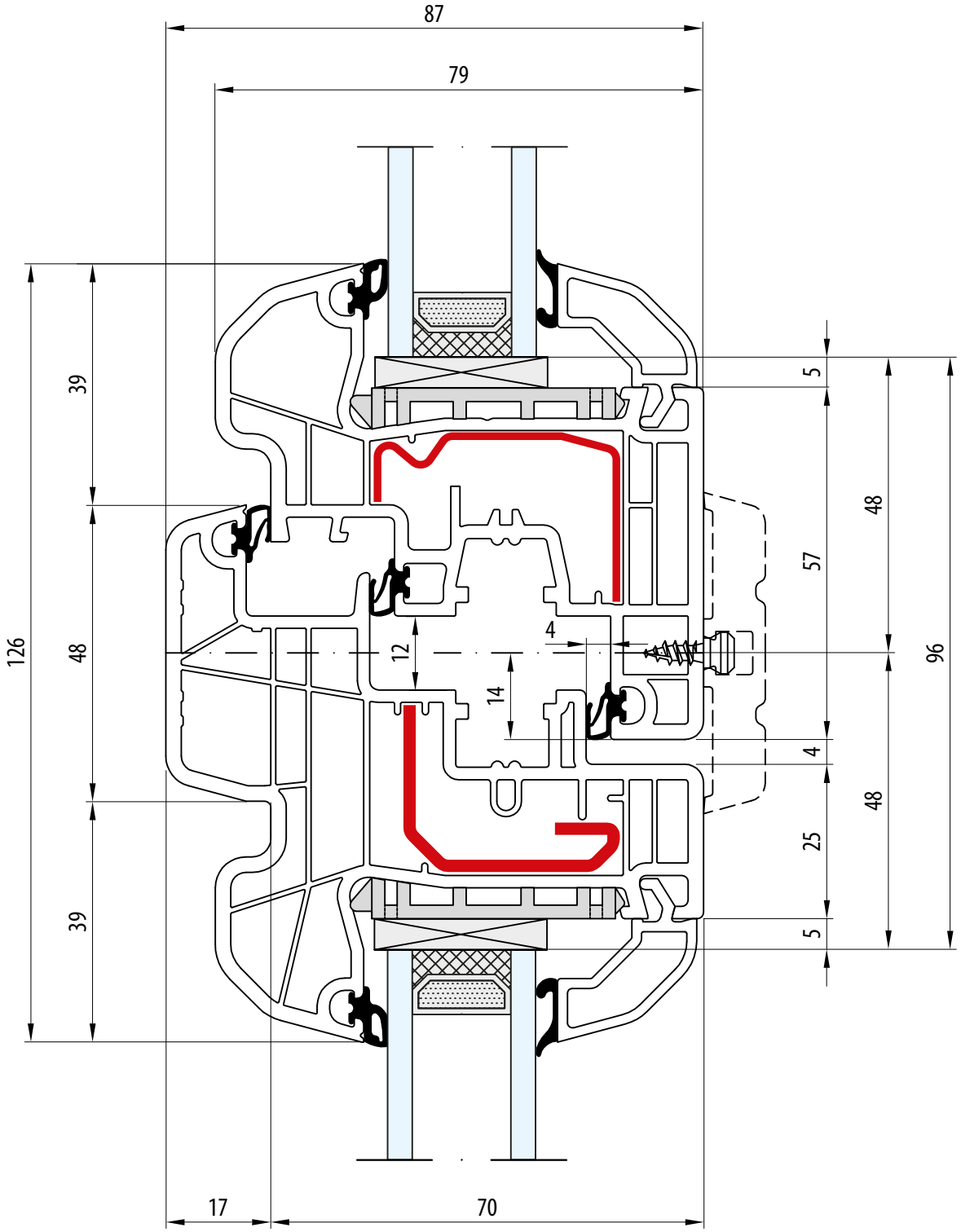



- Słupek ruchomy: 84 mm · Skrzydło: 105 mm
- Meneau mobile: 84 mm · Vantail: 105 mm
- Movable post: 84 mm · Sash: 105 mm
- Stulp: 84 mm · Flügel: 105 mm
- Montante mobile: 84 mm · Anta: 105 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 105 mm

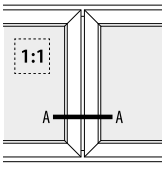


CL

SL
CL
RL

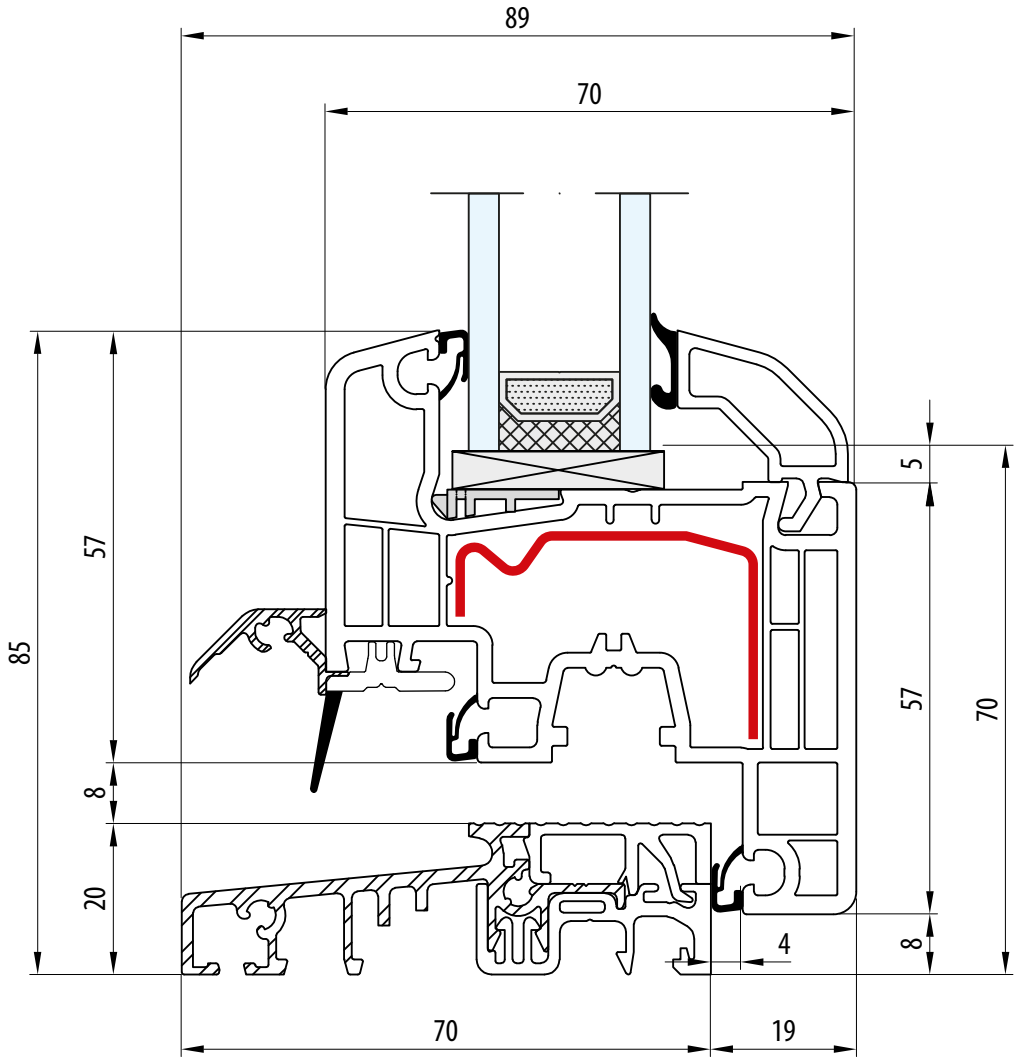



- Klamka centralna · Skrzydło: 77 mm
- Battue centrée · Vantail: 77 mm
- Central handle · Sash: 77 mm
- Zentrale Olive · Flügel: 77 mm
- Maniglia centrale · Anta: 77 mm
- Centrale handgreep · Vleugel: 77 mm

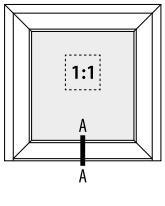


SL
CL

SL
CL
RL

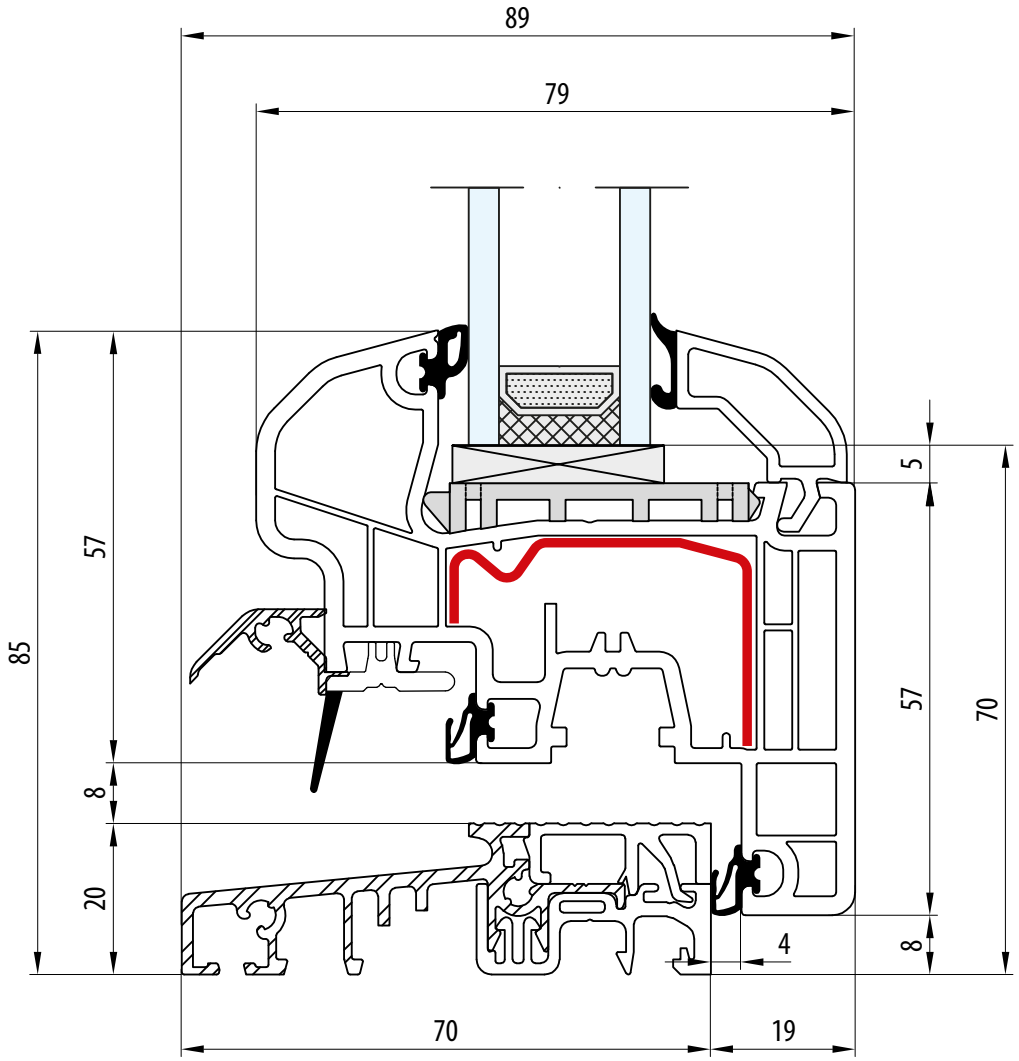



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

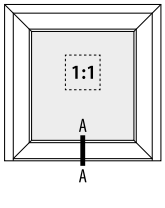


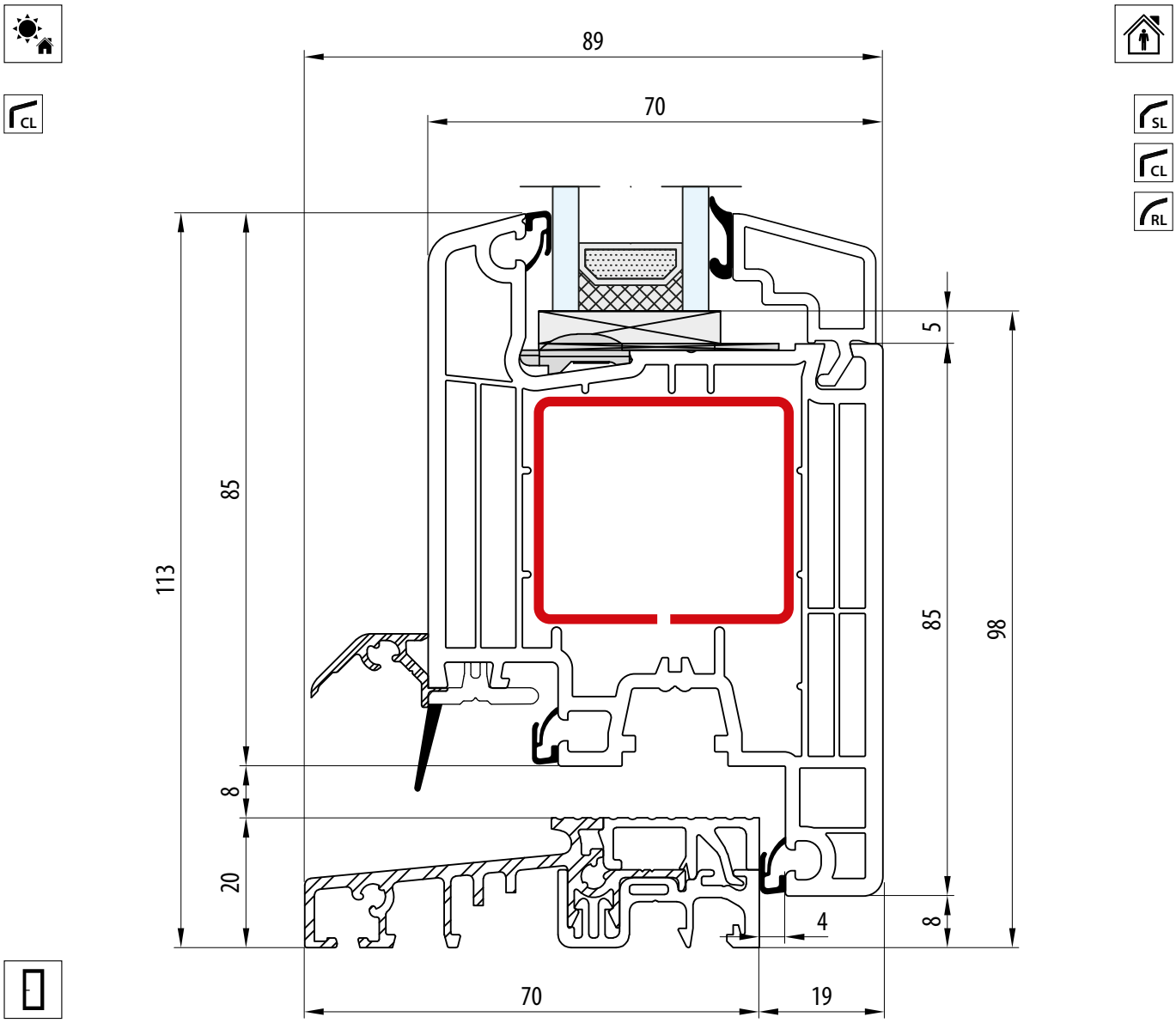
SL
CL

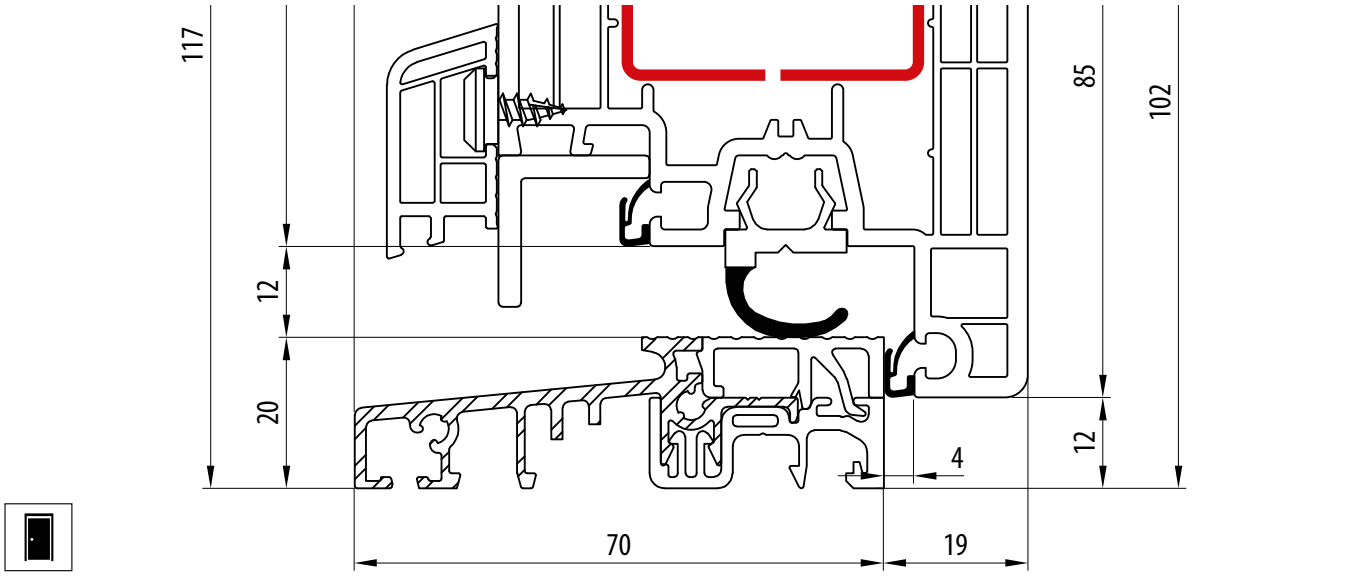
SL
CL
RL



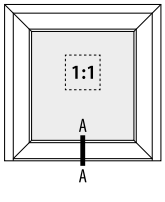

Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

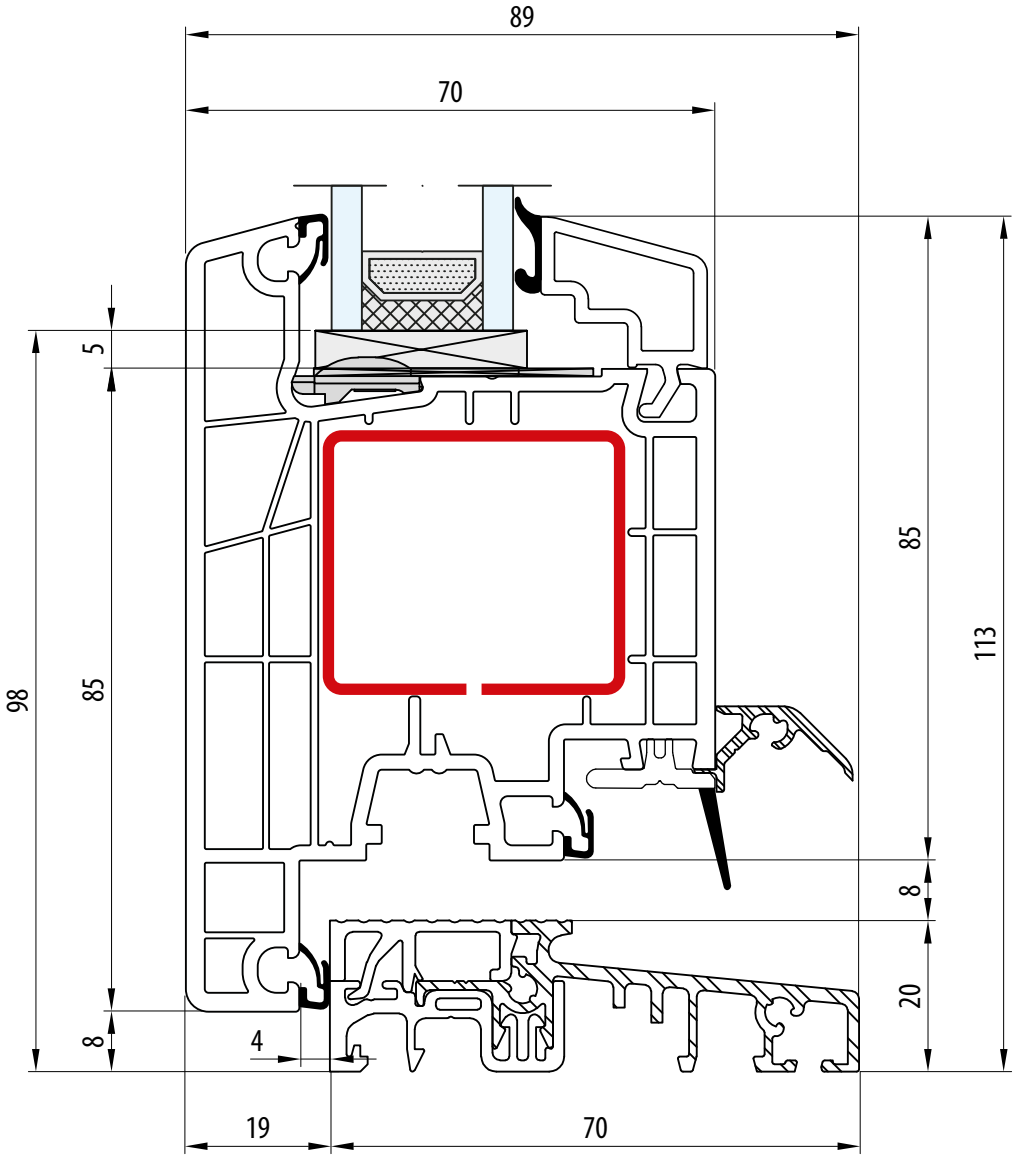


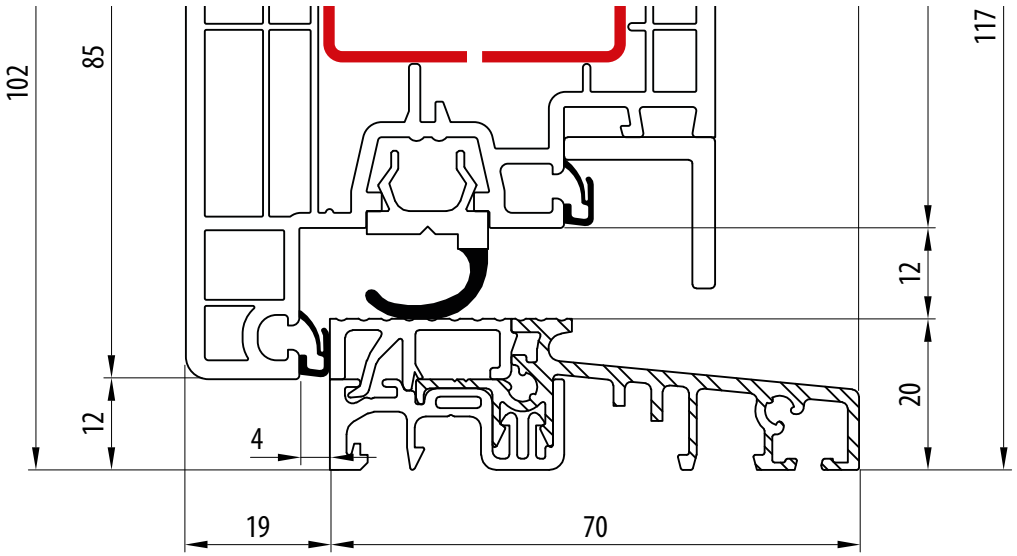


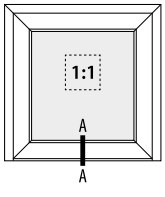

- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm



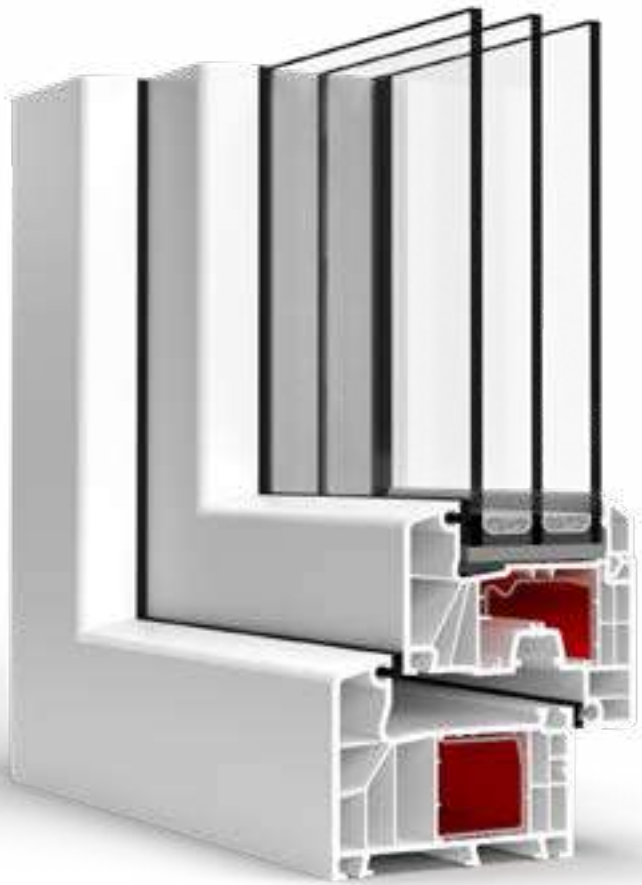


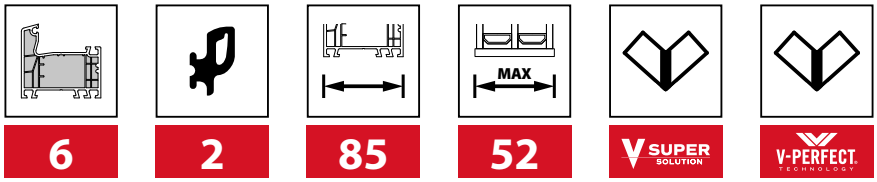




- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm

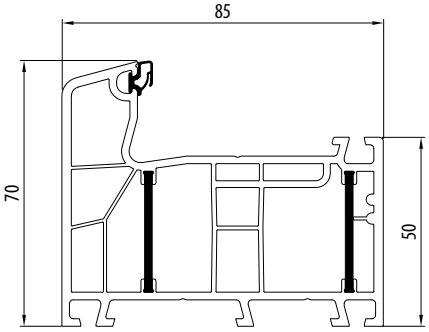


# IDEAL 7000 NEW

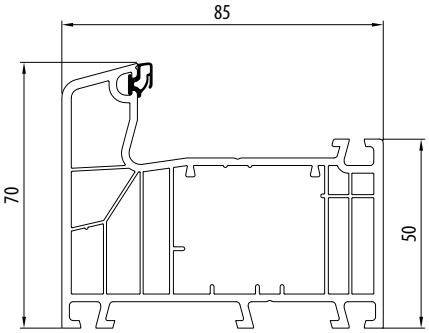




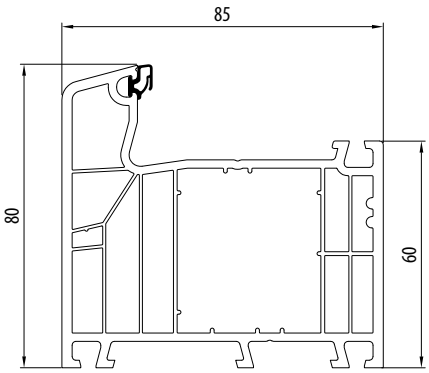




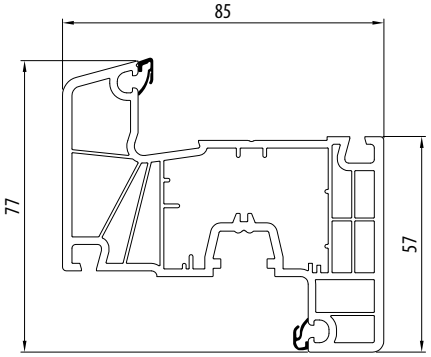

CL 070x02



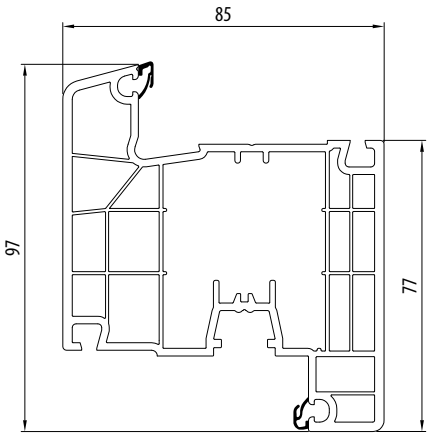

CL 170x02



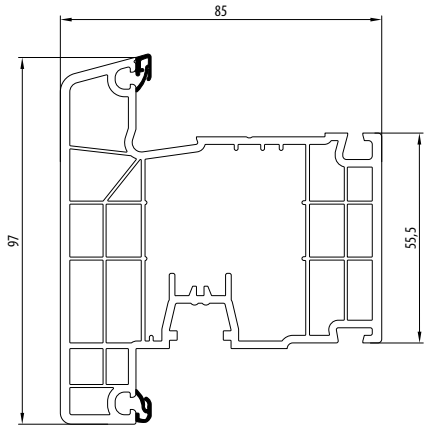

CL ALU 170x03




CL ALU 170x20

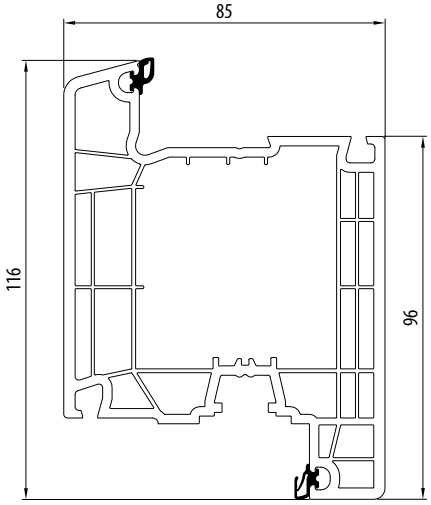



CL 170x30

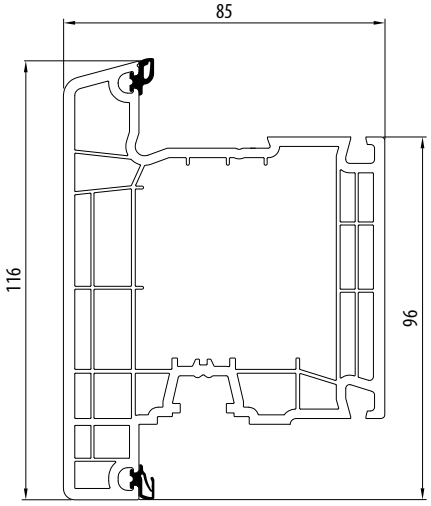



CL 170x31

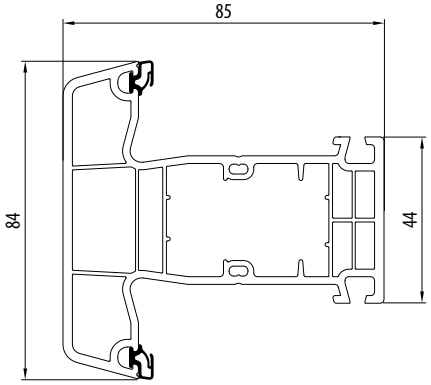
1:2



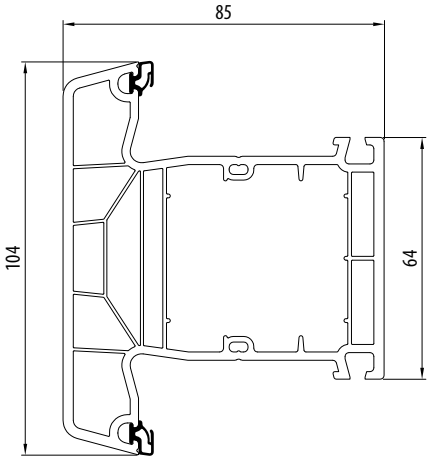

CL ALU 170x33



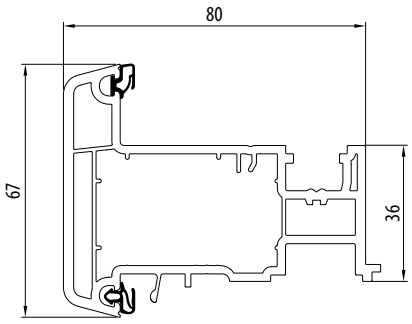

CL 170x35



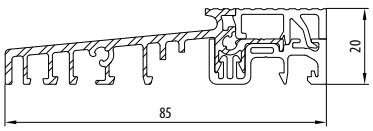

CL ALU 170x41




CL ALU 170x44




CL ALU 170x64

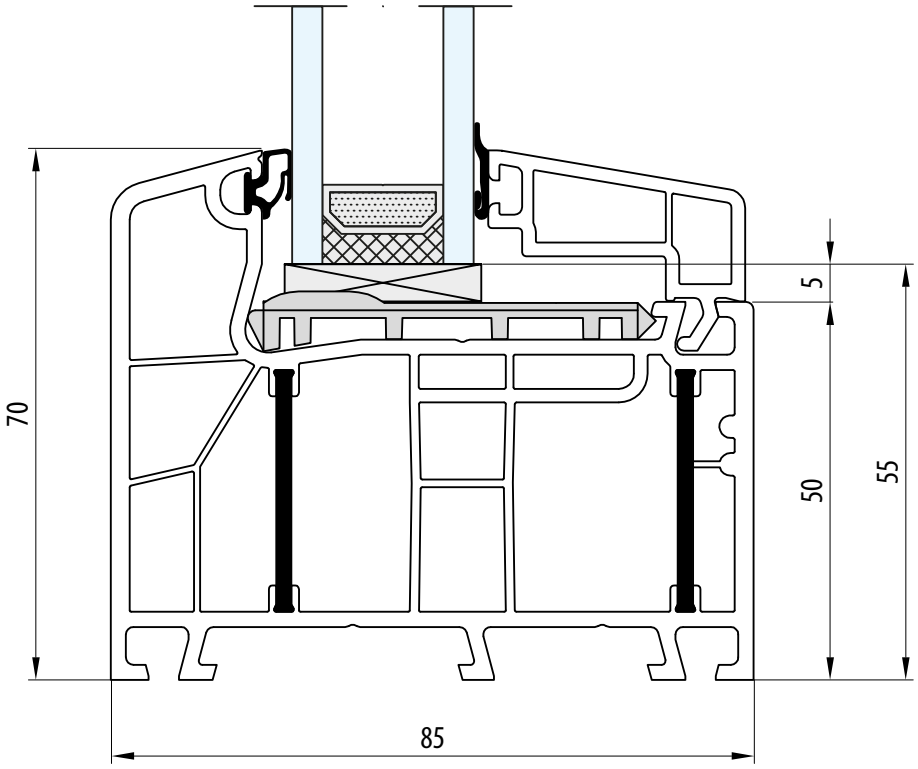



alu - 20 mm

1:2

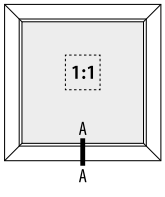
CL

SL
CL
RL



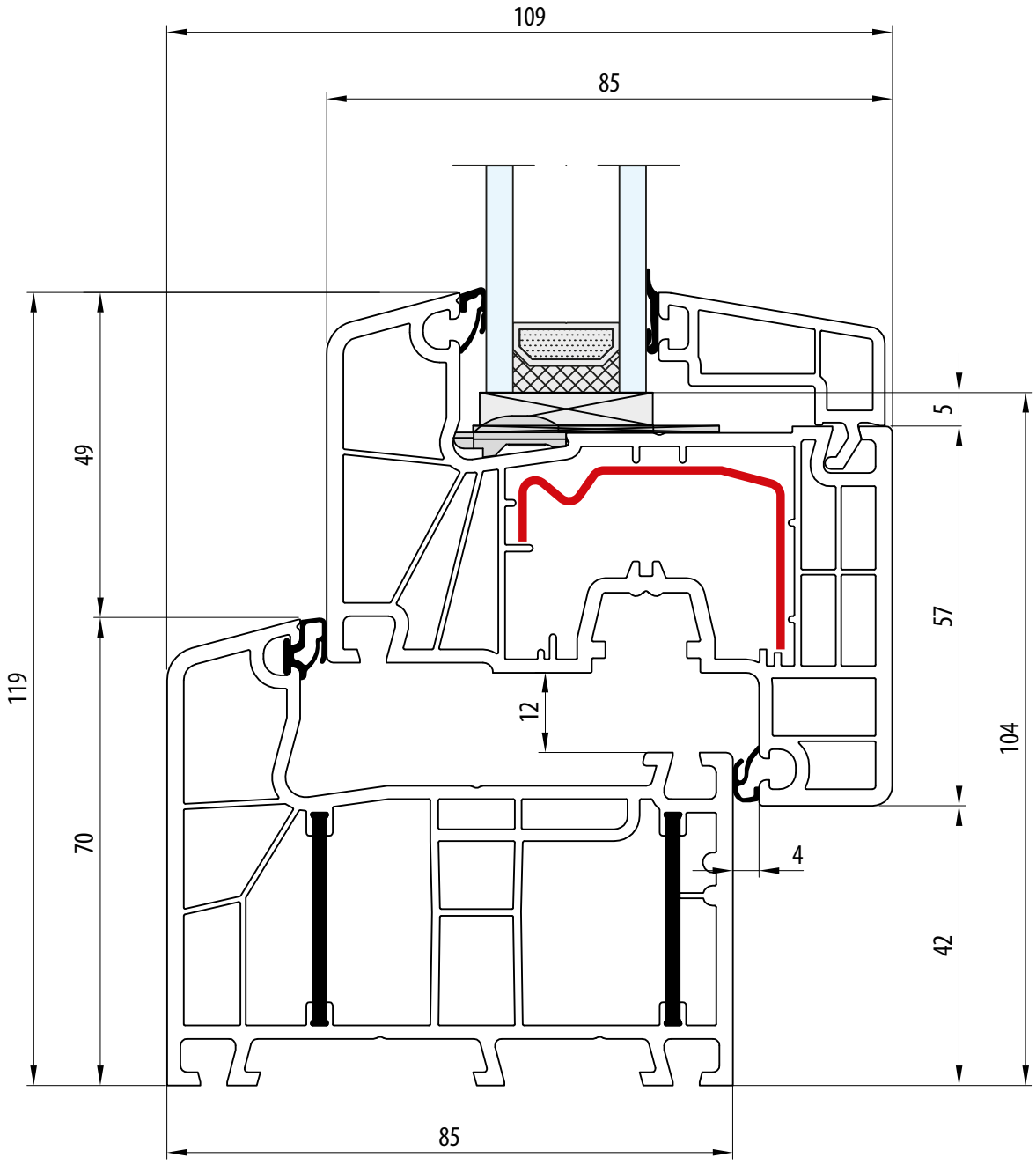

070x02

Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kader: 70 mm

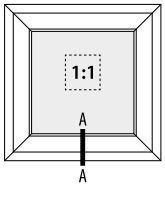


CL

SL CL RL

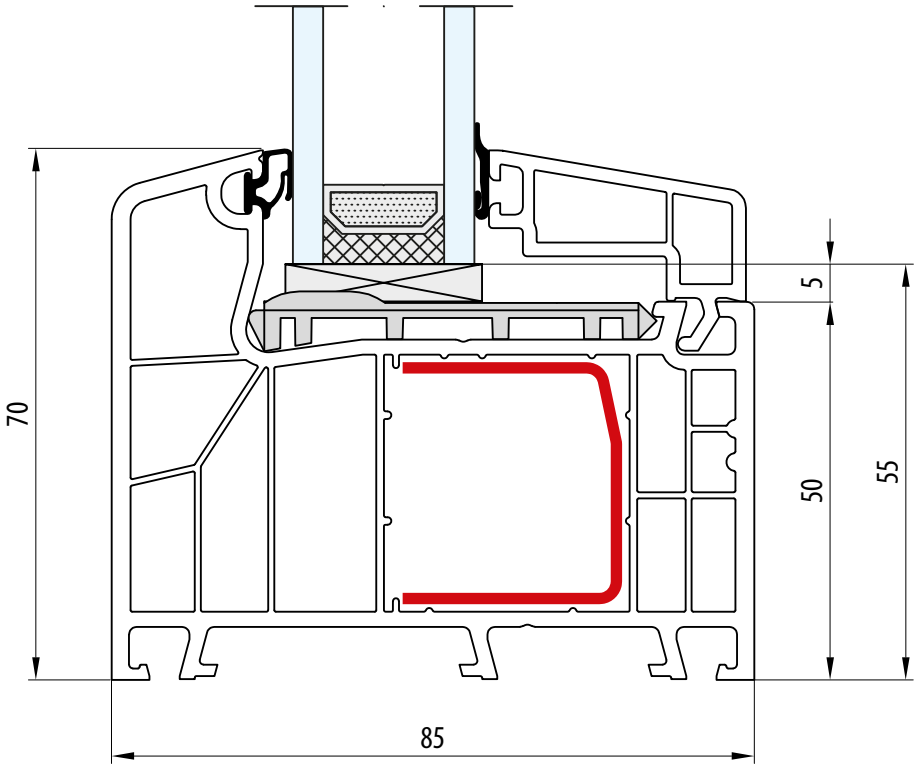



- Rama: 70 mm · Skrzydło: 97 mm
- Dormant: 70 mm · Vantail: 97 mm
- Frame: 70 mm · Sash: 97 mm
- Rahmen: 70 mm · Flügel: 97 mm
- Telaio: 70 mm · Anta: 97 mm
- Kader: 70 mm · Vleugel: 97 mm



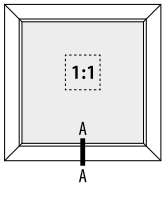
CL

SL
CL
RL



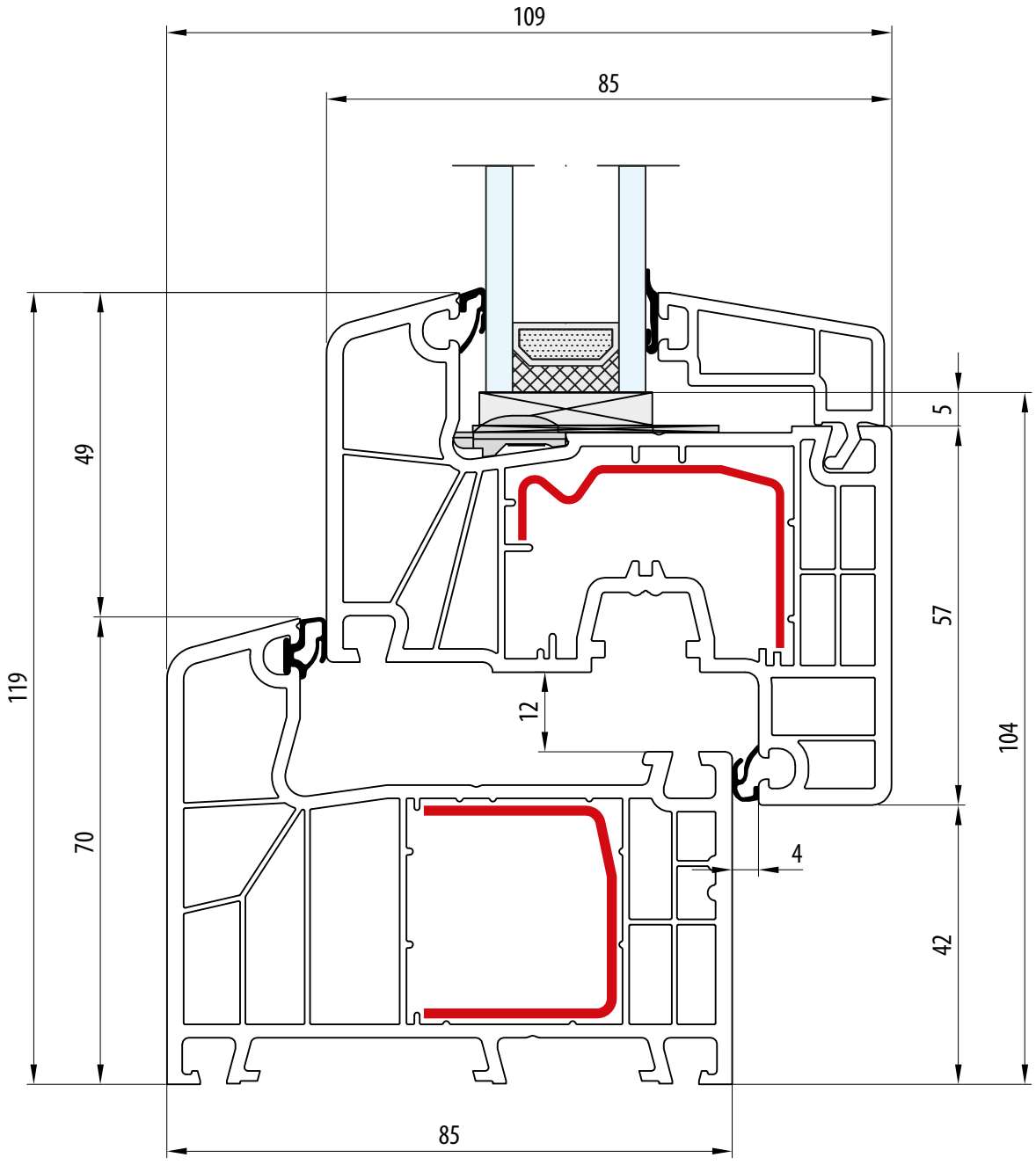

170x02

Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kader: 70 mm

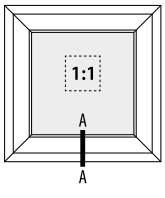


CL

SL CL RL

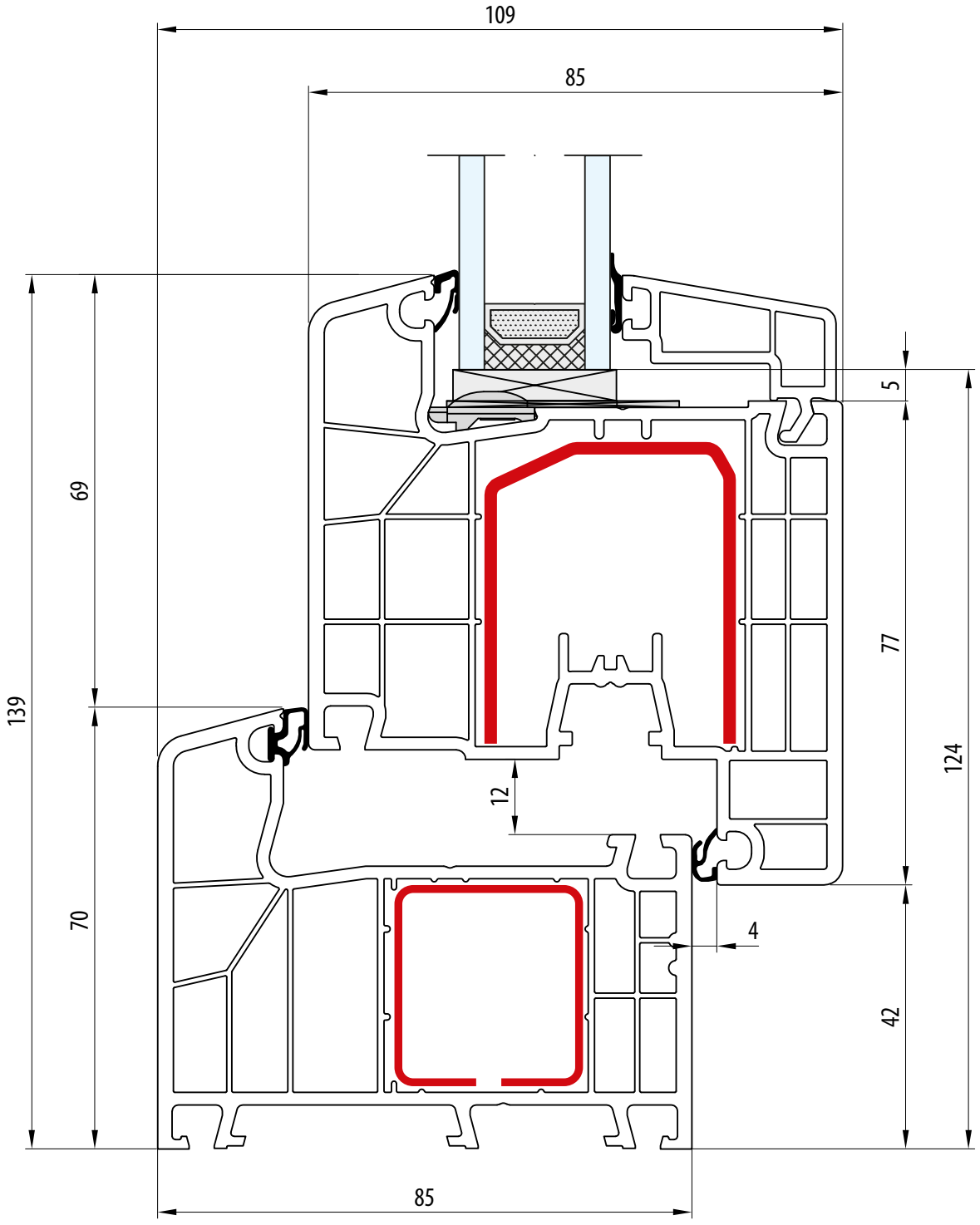



- Rama: 70 mm · Skrzydło: 77 mm
- Dormant: 70 mm · Vantail: 77 mm
- Frame: 70 mm · Sash: 77 mm
- Rahmen: 70 mm · Flügel: 77 mm
- Telaio: 70 mm · Anta: 77 mm
- Kader: 70 mm · Vleugel: 77 mm

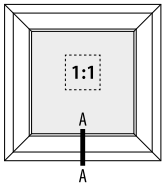


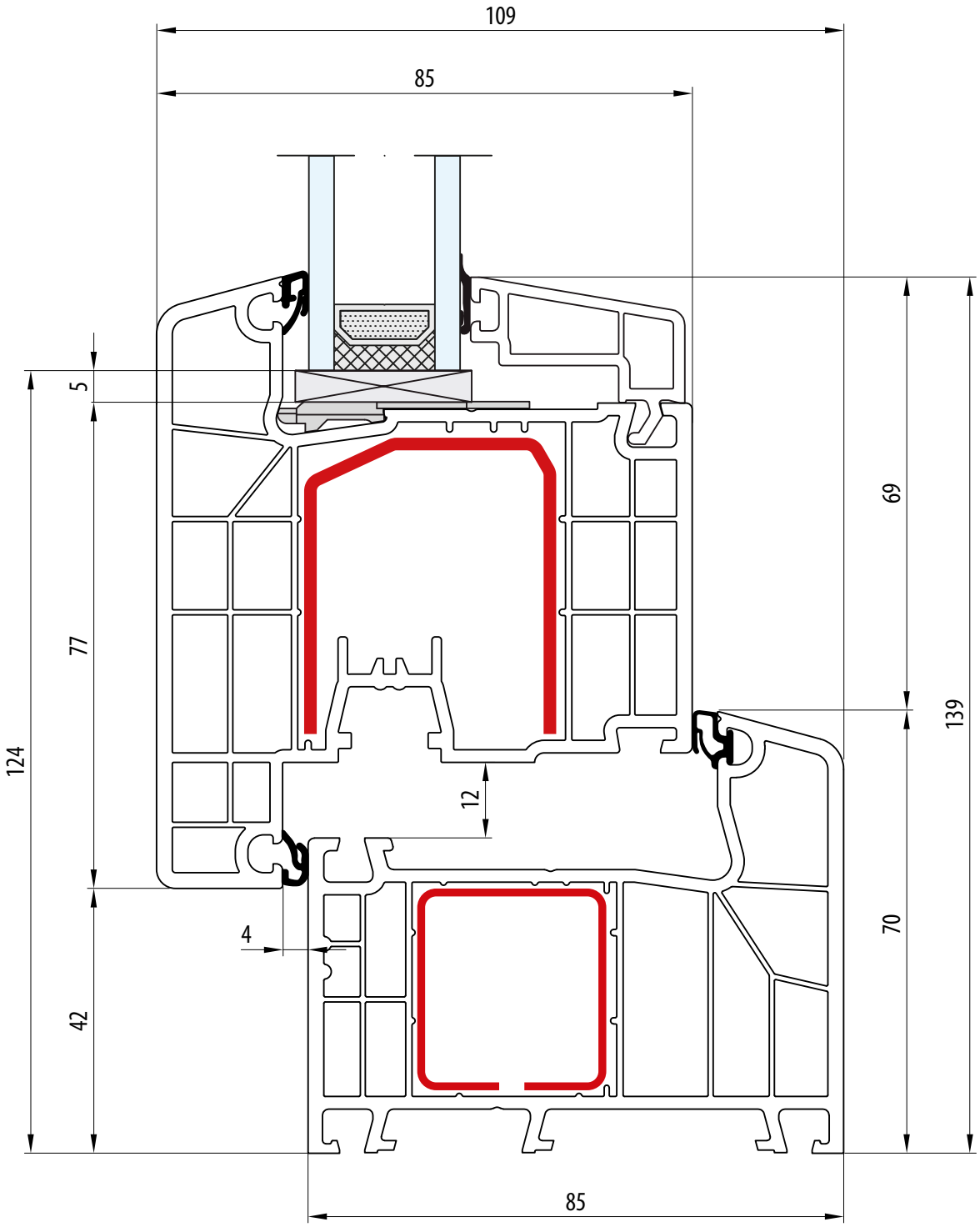
CL

SL CL RL

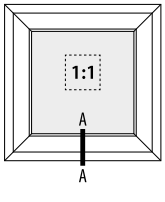


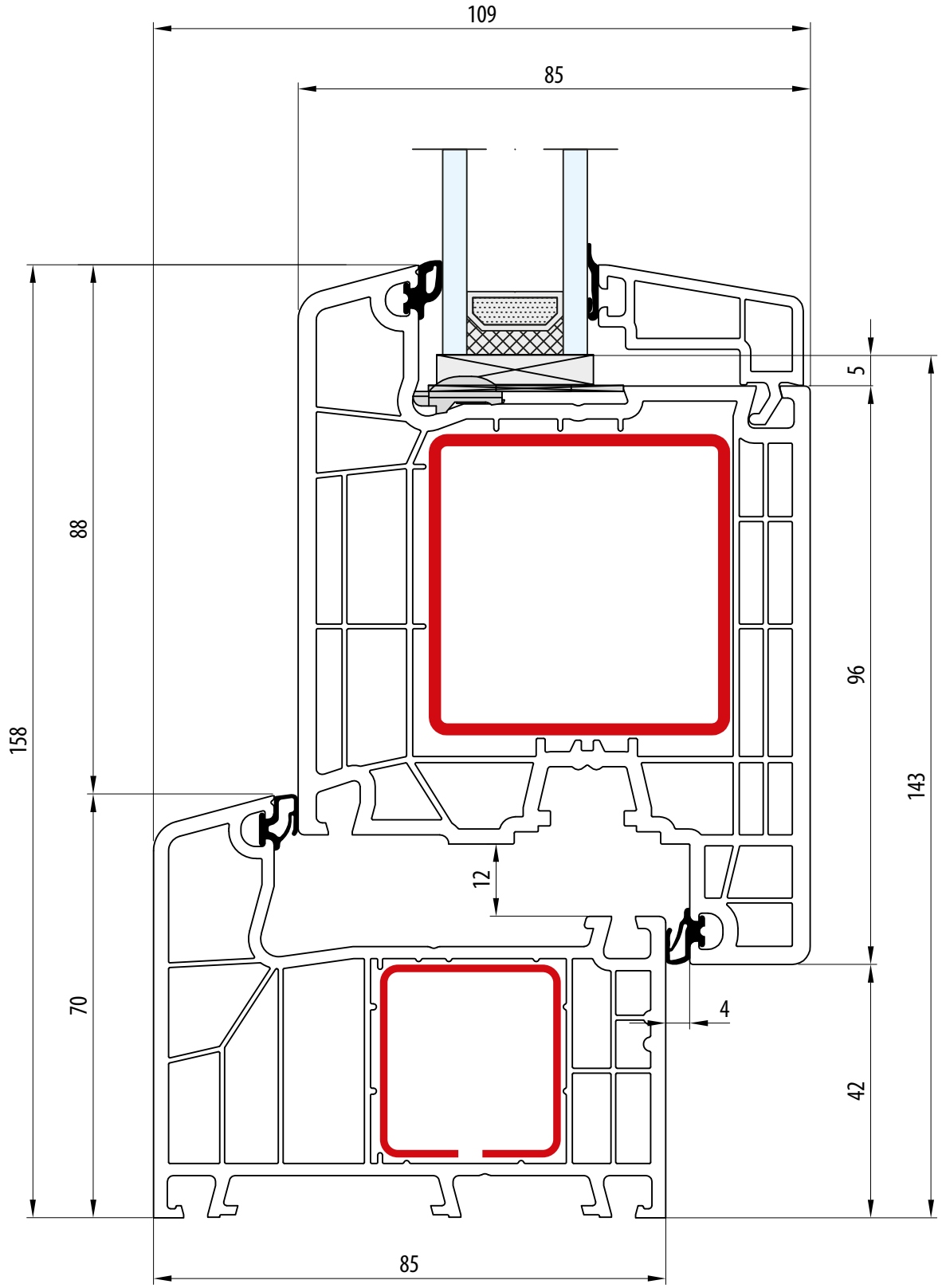

Rama: 70 mm · Skrzydło: 97 mm
Dormant: 70 mm · Vantail: 97 mm
Frame: 70 mm · Sash: 97 mm
Rahmen: 70 mm · Flügel: 97 mm
Telaio: 70 mm · Anta: 97 mm
Kader: 70 mm · Vleugel: 97 mm



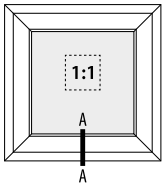


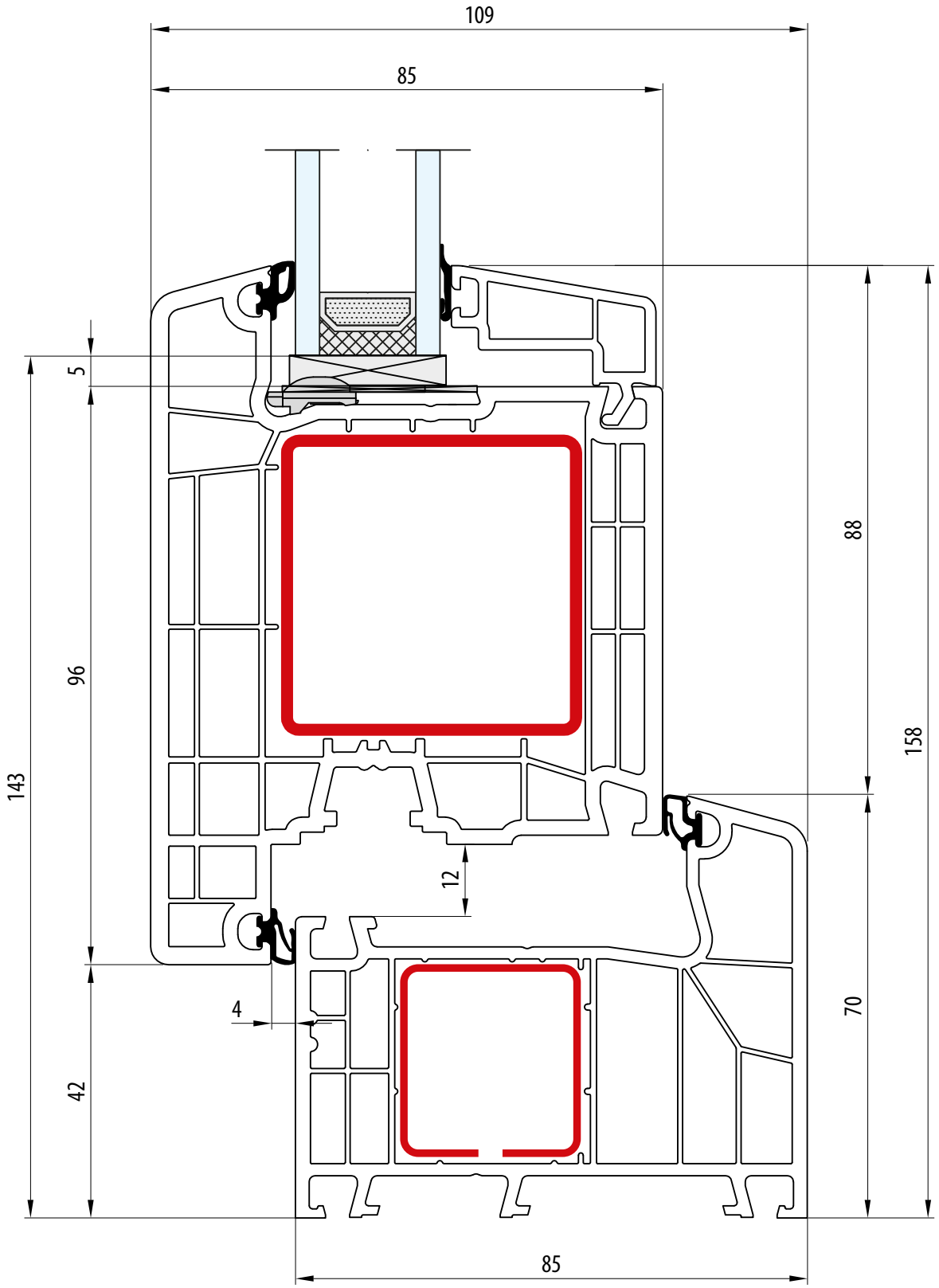

Rama: 70 mm · Skrzydło: 97 mm
Dormant: 70 mm · Vantail: 97 mm
Frame: 70 mm · Sash: 97 mm
Rahmen: 70 mm · Flügel: 97 mm
Telaio: 70 mm · Anta: 97 mm
Kader: 70 mm · Vleugel: 97 mm



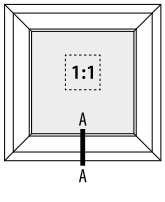



- Rama: 70 mm · Skrzydło: 116 mm
- Dormant: 70 mm · Vantail: 116 mm
- Frame: 70 mm · Sash: 116 mm
- Rahmen: 70 mm · Flügel: 116 mm
- Telaio: 70 mm · Anta: 116 mm
- Kader: 70 mm · Vleugel: 116 mm



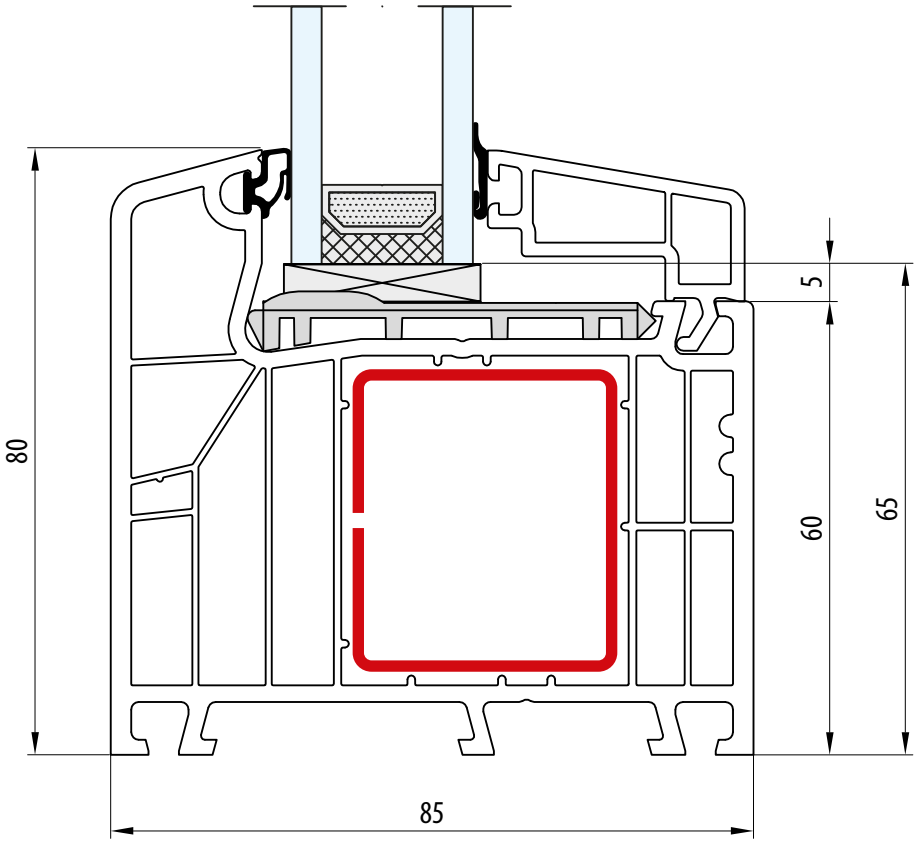



Rama: 70 mm · Skrzydło: 116 mm
Dormant: 70 mm · Vantail: 116 mm
Frame: 70 mm · Sash: 116 mm
Rahmen: 70 mm · Flügel: 116 mm
Telaio: 70 mm · Anta: 116 mm
Kader: 70 mm · Vleugel: 116 mm



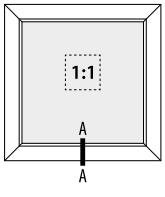
CL

SL
CL
RL



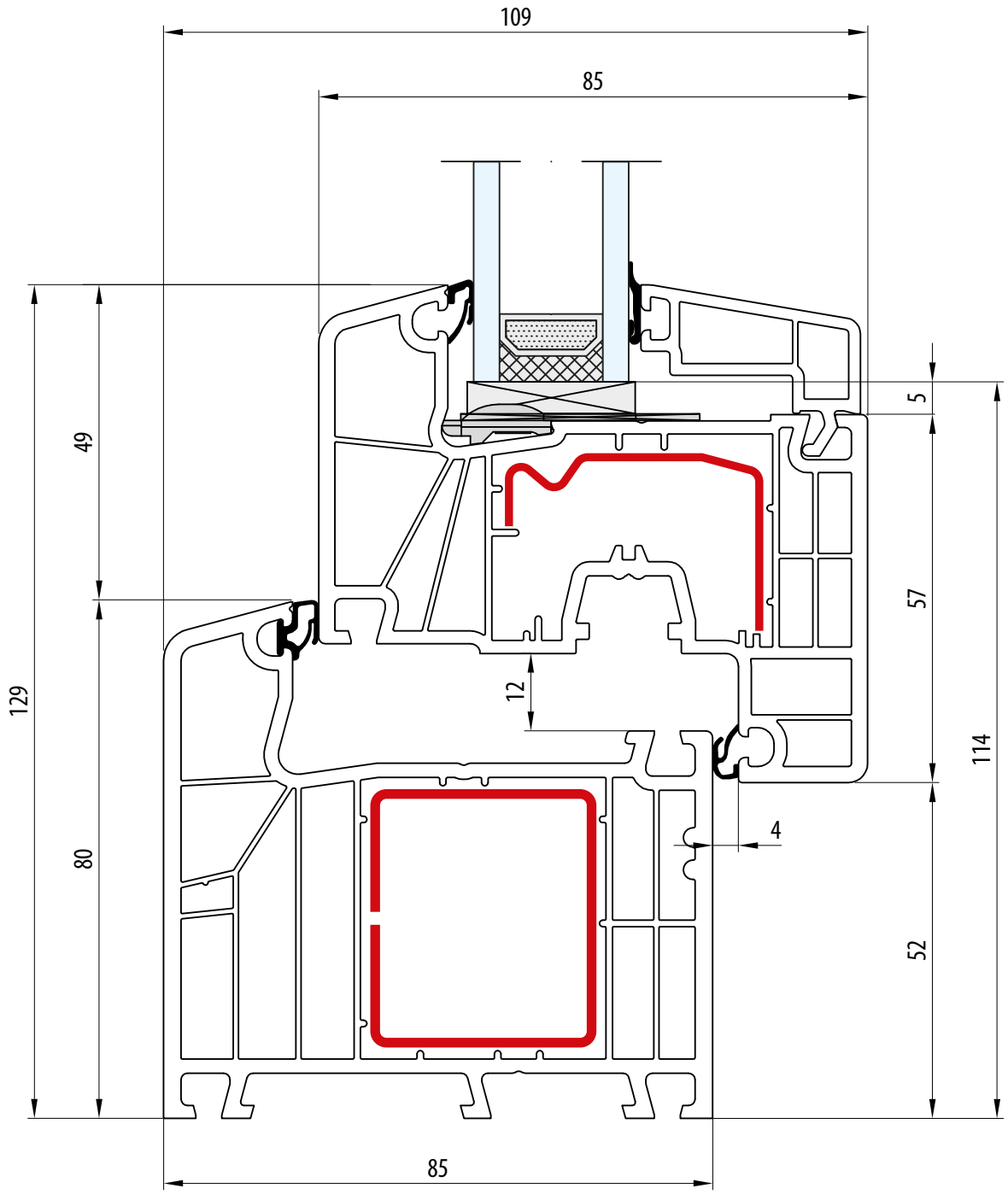

170x03

Rama: 80 mm
Dormant: 80 mm
Frame: 80 mm
Rahmen: 80 mm
Telaio: 80 mm
Kader: 80 mm

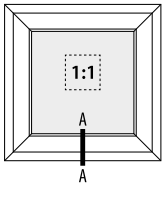


CL

SL CL RL

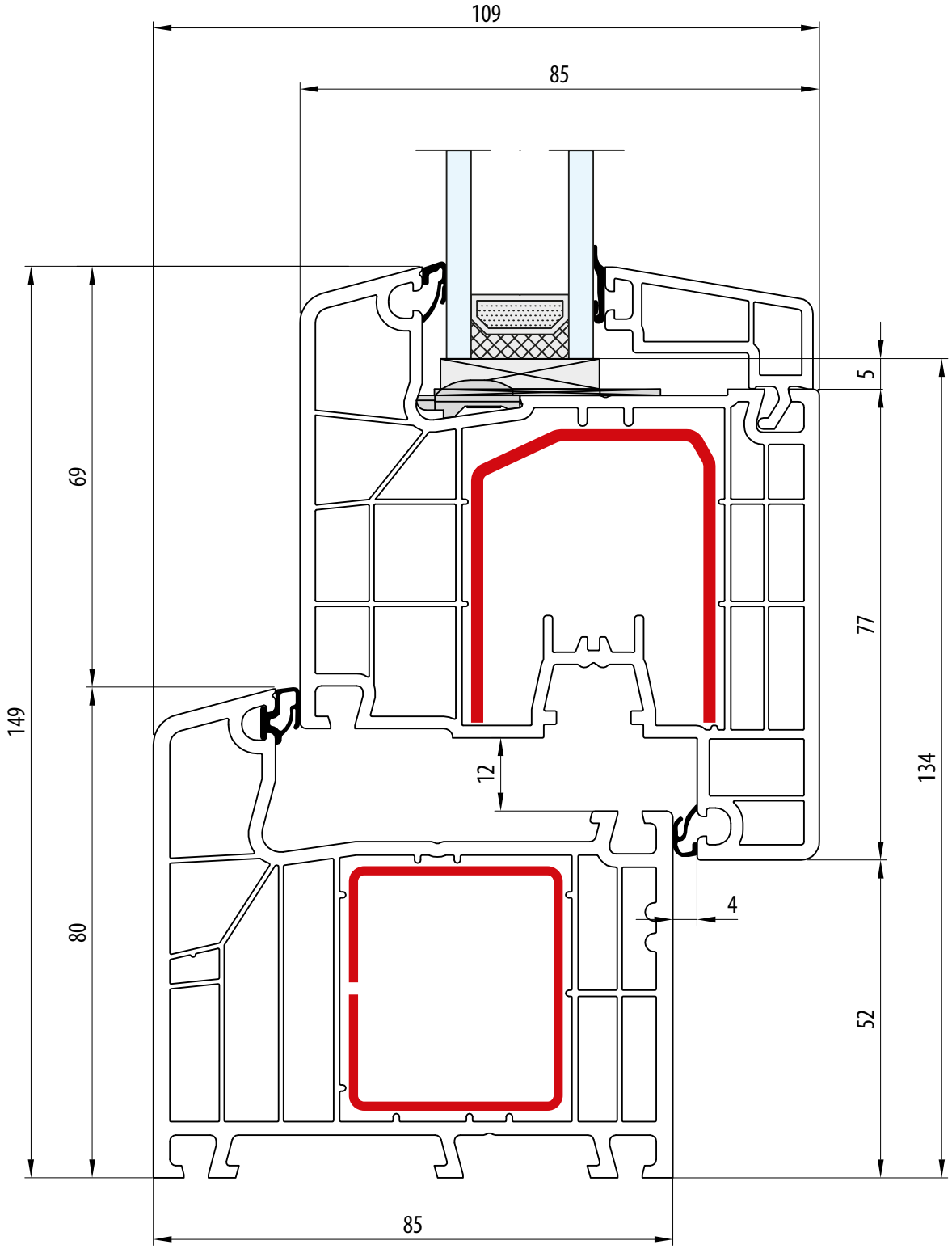



- Rama: 80 mm · Skrzydło: 77 mm
- Dormant: 80 mm · Vantail: 77 mm
- Frame: 80 mm · Sash: 77 mm
- Rahmen: 80 mm · Flügel: 77 mm
- Telaio: 80 mm · Anta: 77 mm
- Kader: 80 mm · Vleugel: 77 mm

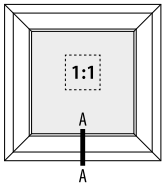


CL

SL CL RL

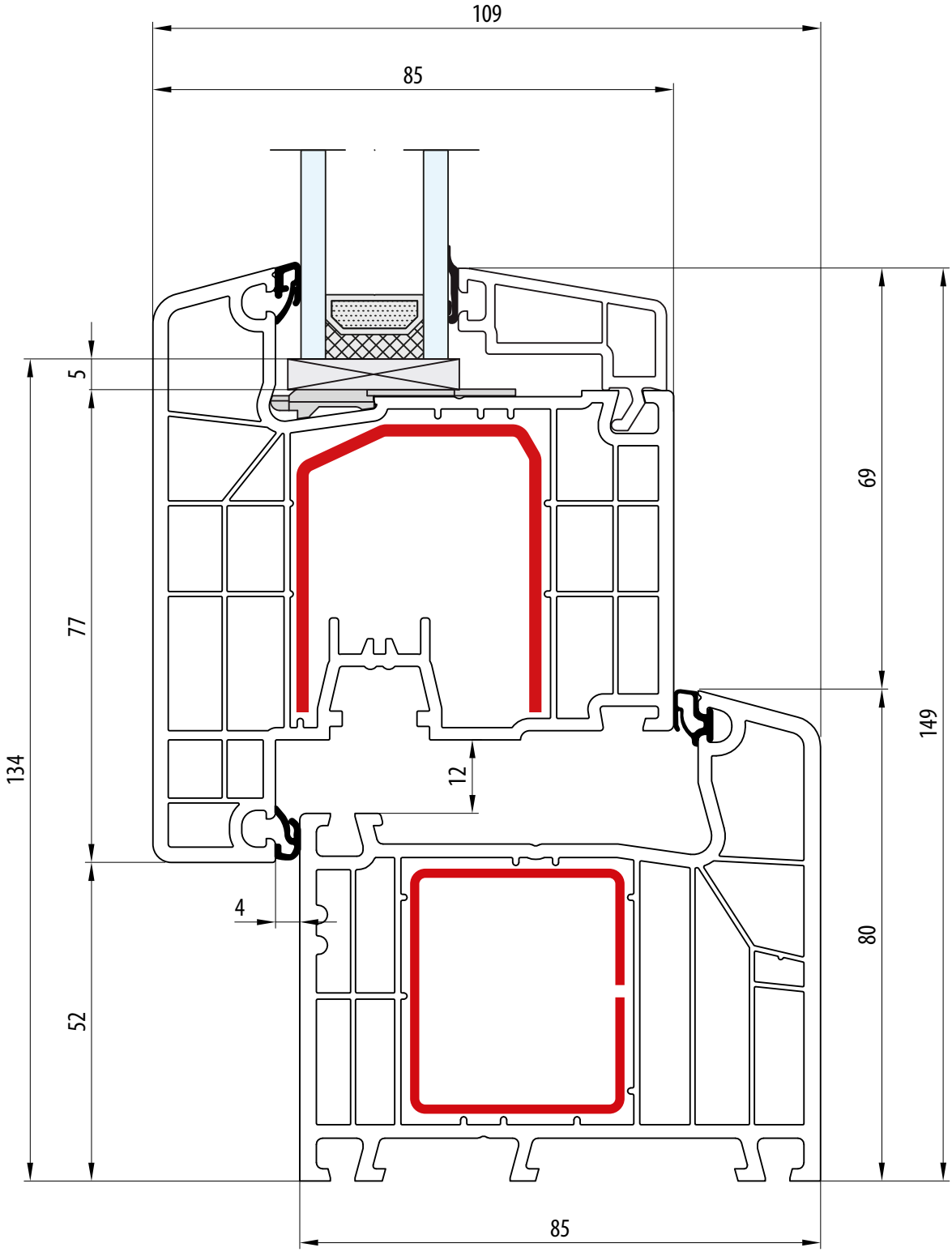



Rama: 80 mm · Skrzydło: 97 mm
Dormant: 80 mm · Vantail: 97 mm
Frame: 80 mm · Sash: 97 mm
Rahmen: 80 mm · Flügel: 97 mm
Telaio: 80 mm · Anta: 97 mm
Kader: 80 mm · Vleugel: 97 mm

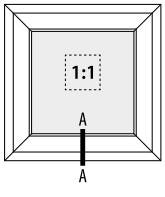


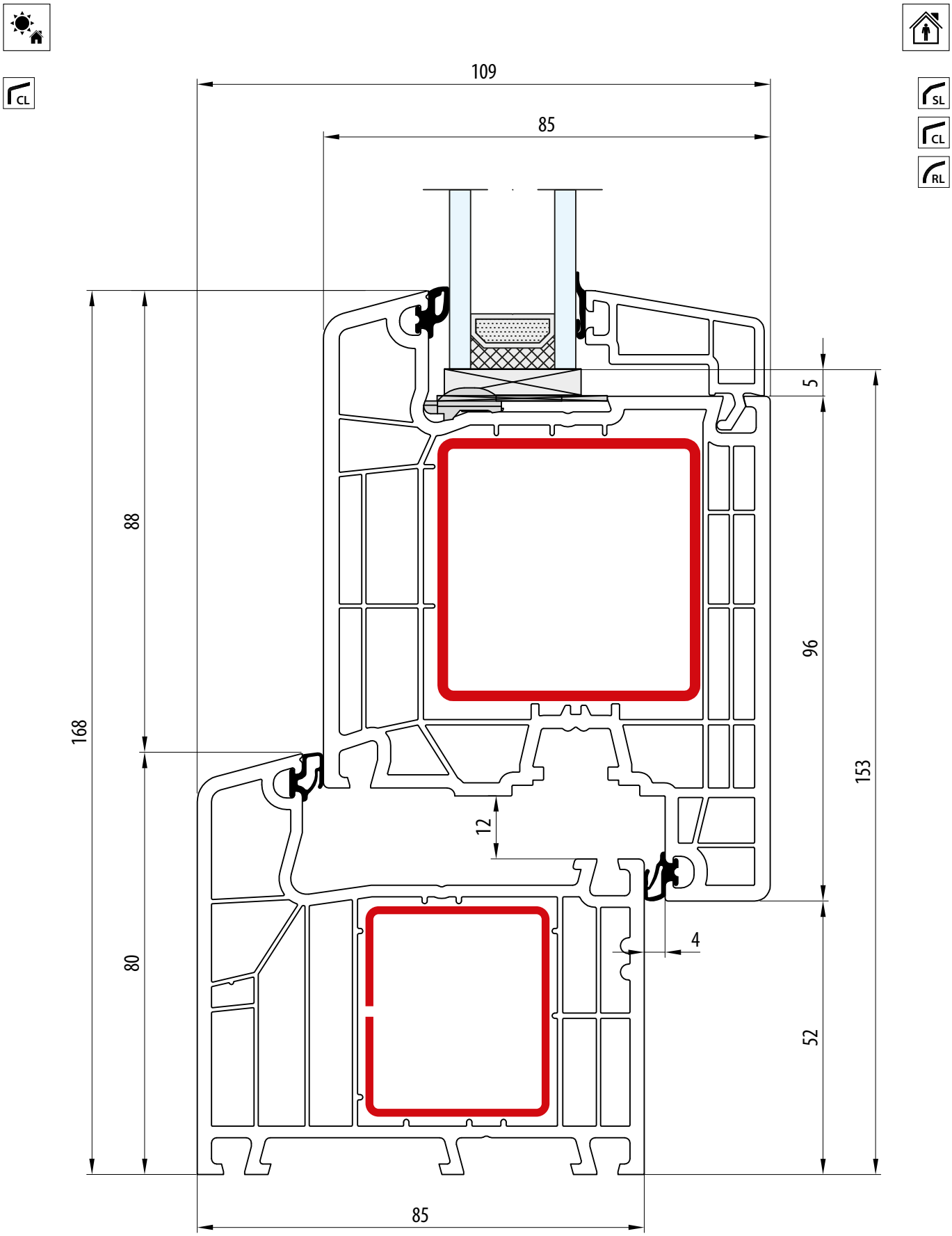
CL

SL CL RL

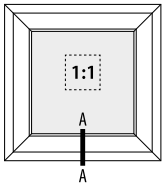


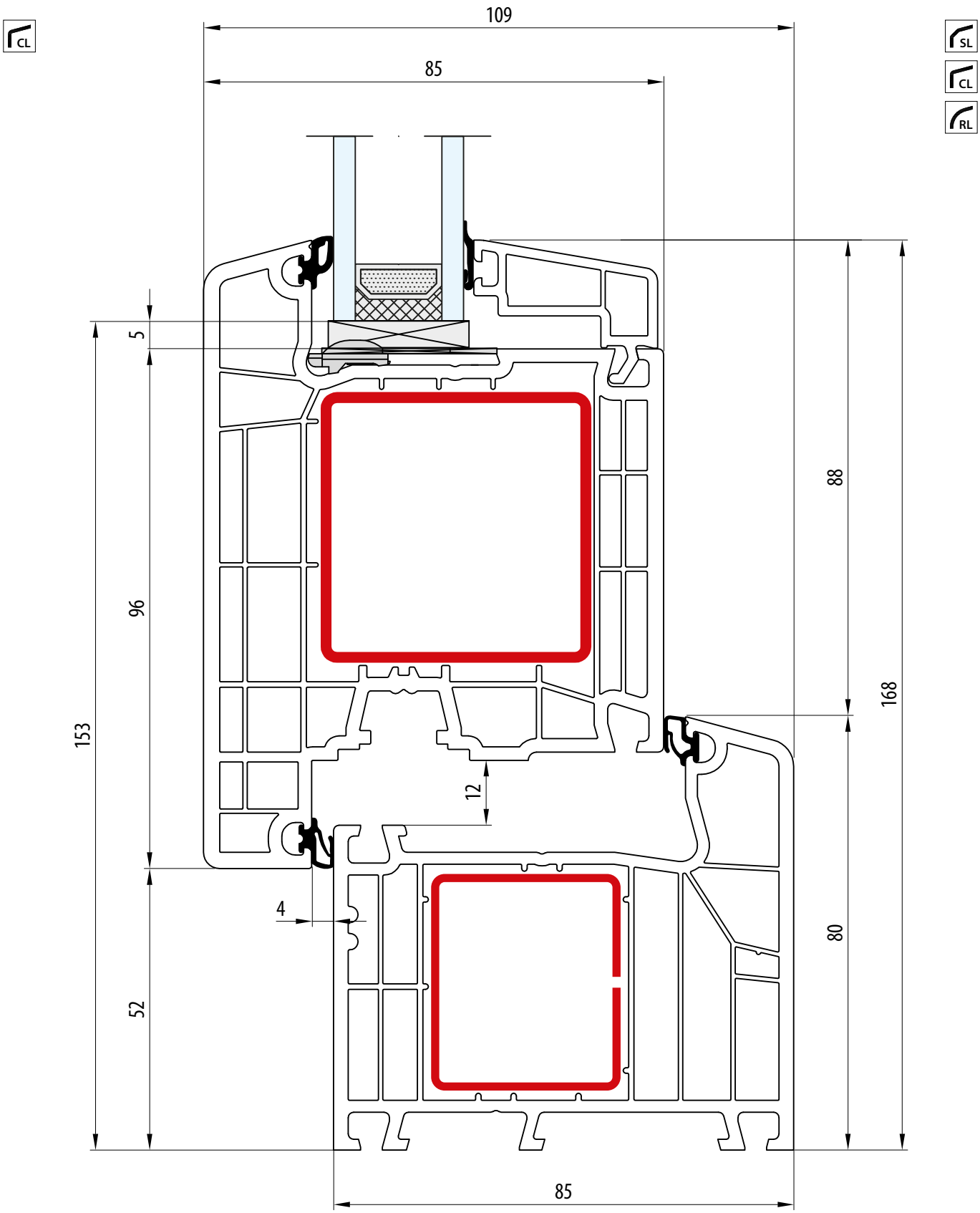

- Rama: 80 mm · Skrzydło: 97 mm
- Dormant: 80 mm · Vantail: 97 mm
- Frame: 80 mm · Sash: 97 mm
- Rahmen: 80 mm · Flügel: 97 mm
- Telaio: 80 mm · Anta: 97 mm
- Kader: 80 mm · Vleugel: 97 mm



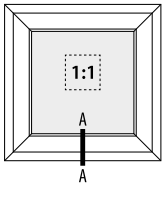



Rama: 80 mm · Skrzydło: 116 mm
Dormant: 80 mm · Vantail: 116 mm
Frame: 80 mm · Sash: 116 mm
Rahmen: 80 mm · Flügel: 116 mm
Telaio: 80 mm · Anta: 116 mm
Kader: 80 mm · Vleugel: 116 mm



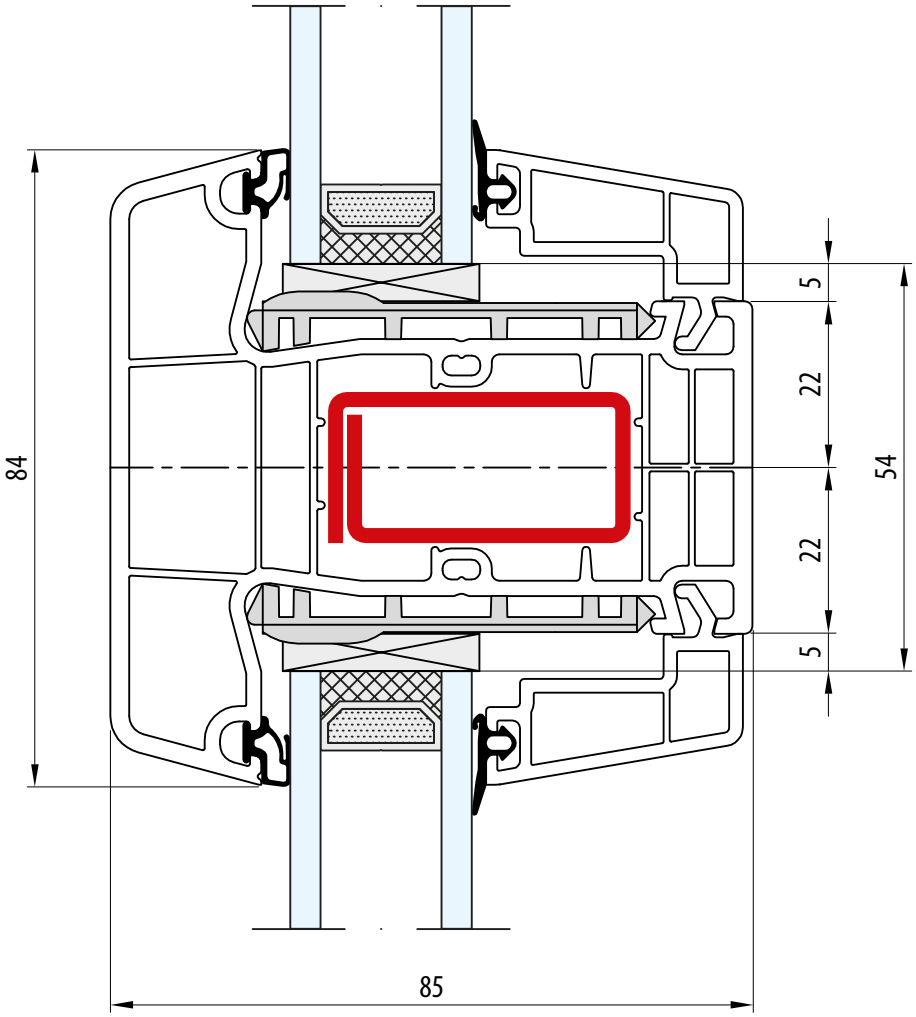



- Rama: 80 mm · Skrzydło: 116 mm
- Dormant: 80 mm · Vantail: 116 mm
- Frame: 80 mm · Sash: 116 mm
- Rahmen: 80 mm · Flügel: 116 mm
- Telaio: 80 mm · Anta: 116 mm
- Kader: 80 mm · Vleugel: 116 mm

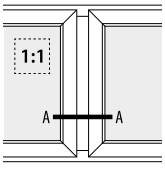


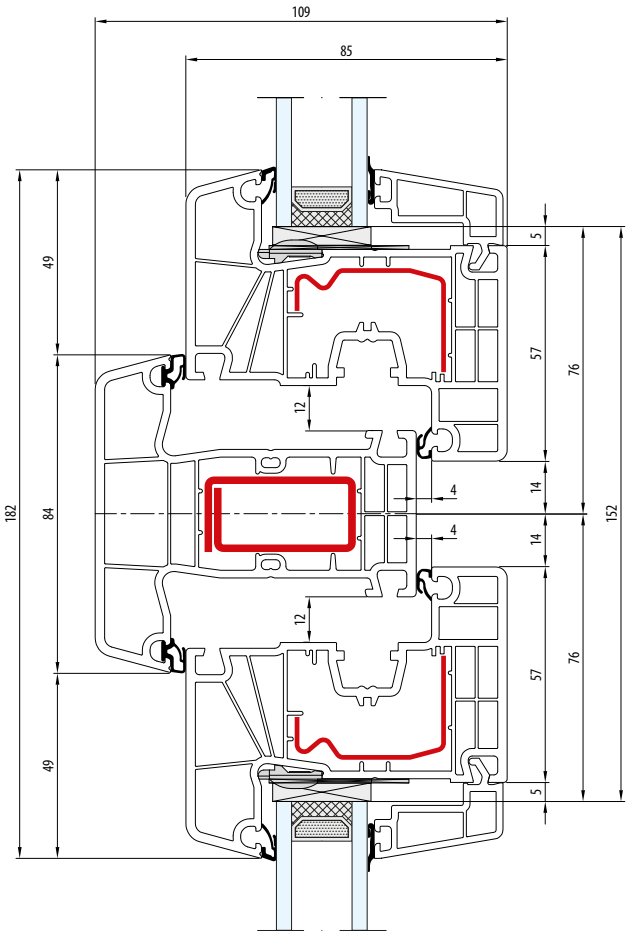
CL

SL
CL
RL

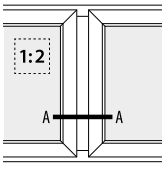



- Słupek stały: 84 mm
- Meneau fixe: 84 mm
- Fix post: 84 mm
- Festem Pfahl: 84 mm
- Montante fisso: 84 mm
- Vaste stijl: 84 mm



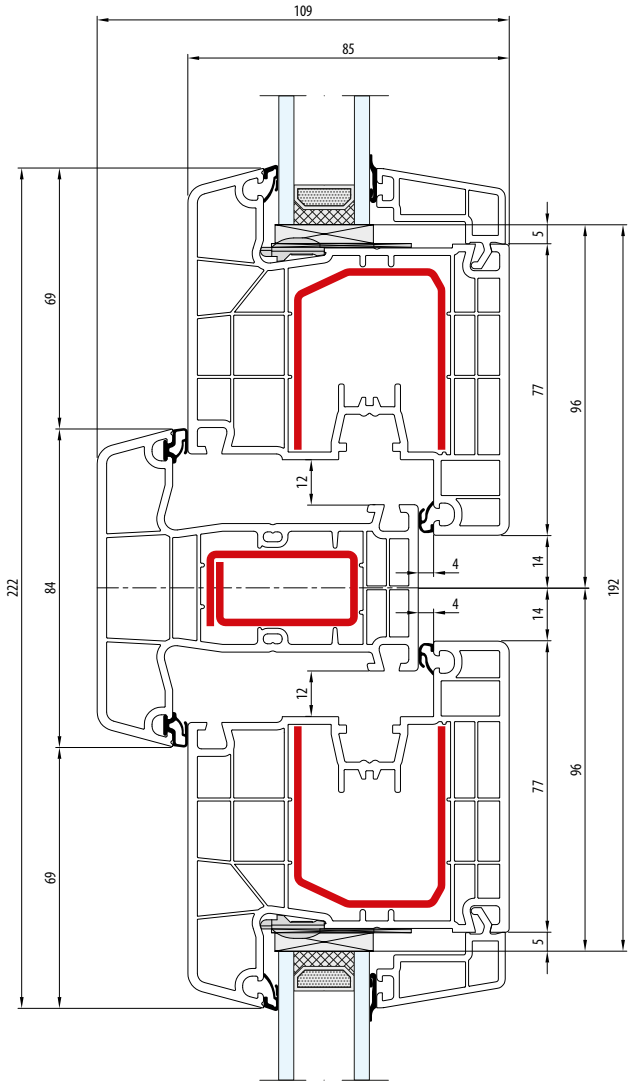



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm

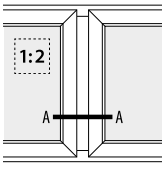


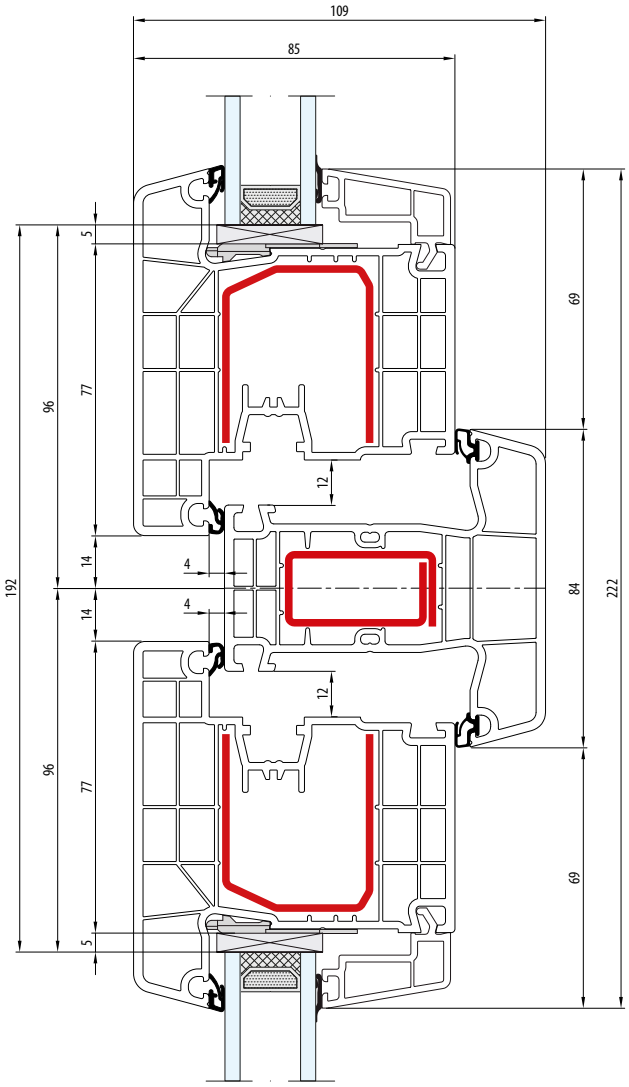
CL

SL
CL
RL

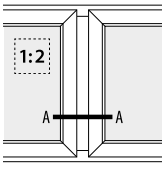



- Słupek stały: 84 mm · Skrzydło: 97 mm
- Meneau fixe: 84 mm · Vantail: 97 mm
- Fix post: 84 mm · Sash: 97 mm
- Festem Pfahl: 84 mm · Flügel: 97 mm
- Montante fisso: 84 mm · Anta: 97 mm
- Vaste stijl: 84 mm · Vleugel: 97 mm



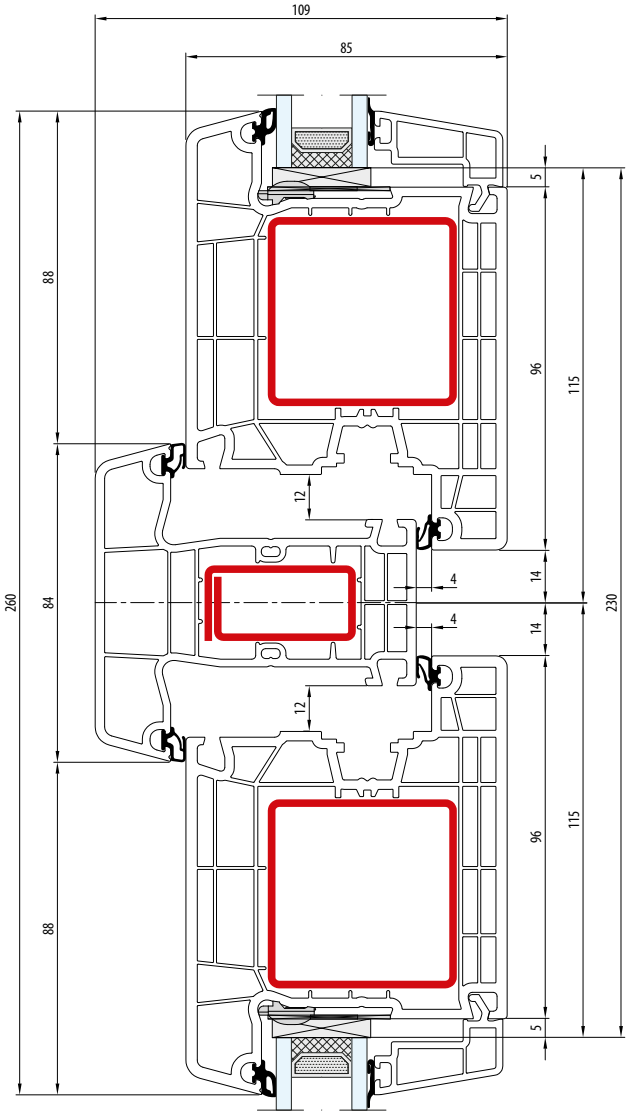



- Słupek stały: 84 mm · Skrzydło: 97 mm
- Meneau fixe: 84 mm · Vantail: 97 mm
- Fix post: 84 mm · Sash: 97 mm
- Festem Pfahl: 84 mm · Flügel: 97 mm
- Montante fisso: 84 mm · Anta: 97 mm
- Vaste stijl: 84 mm · Vleugel: 97 mm

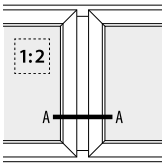


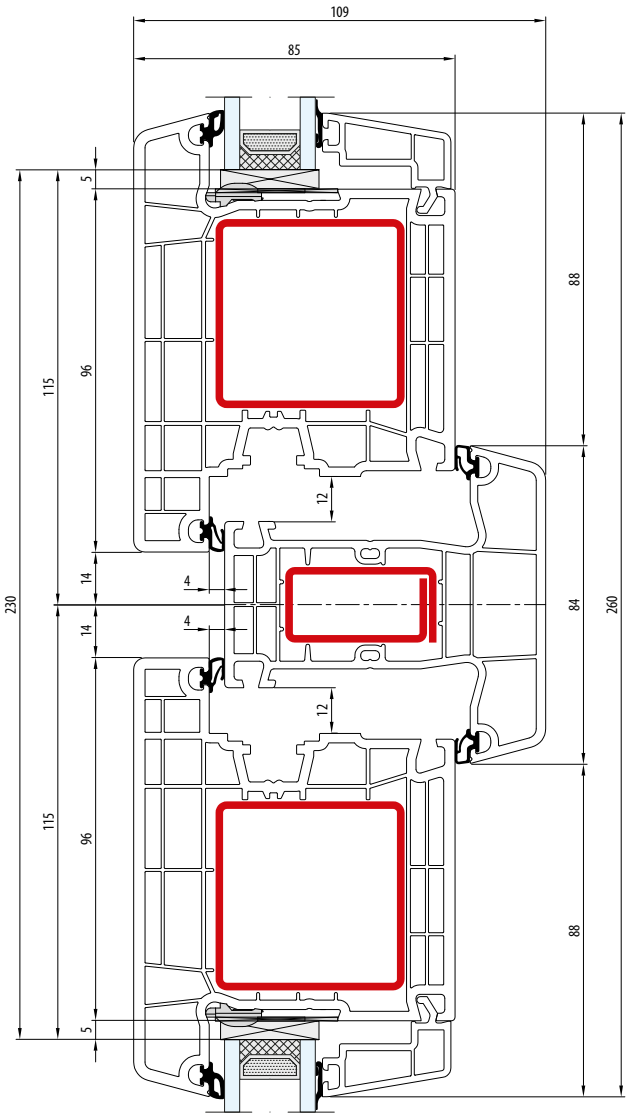
CL

SL
CL
RL

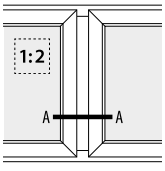



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm



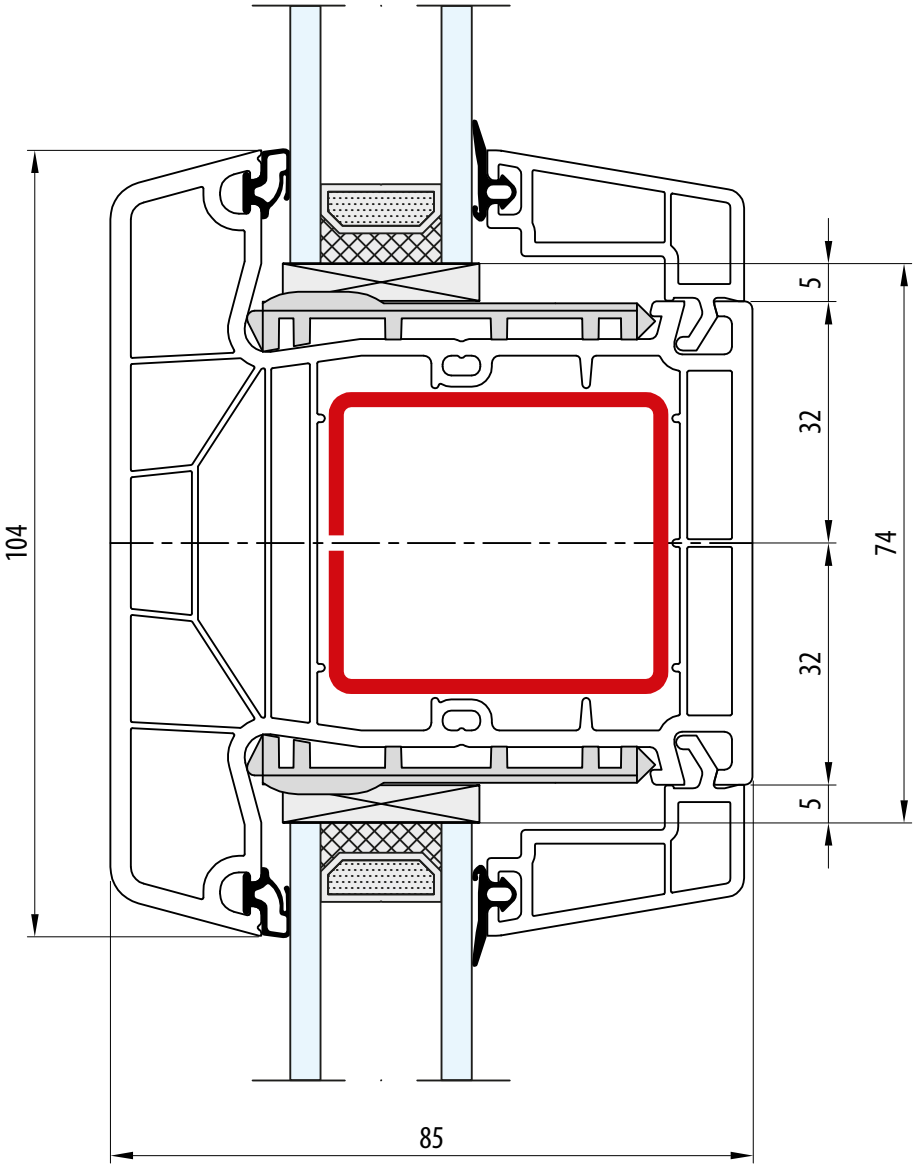



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm

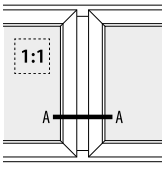


CL

SL
CL
RL




- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm



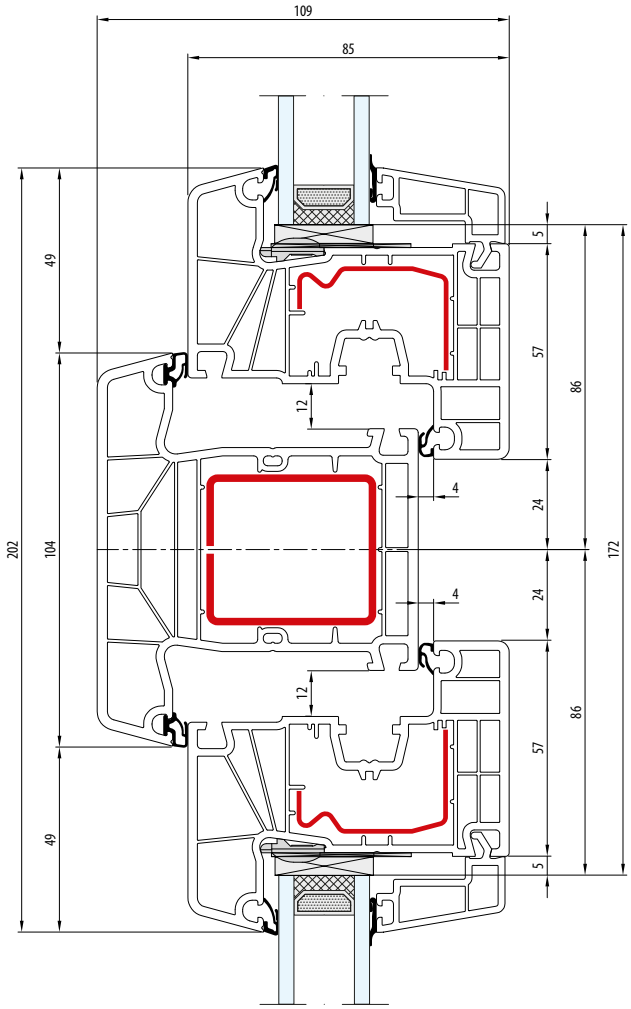




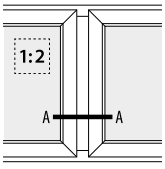






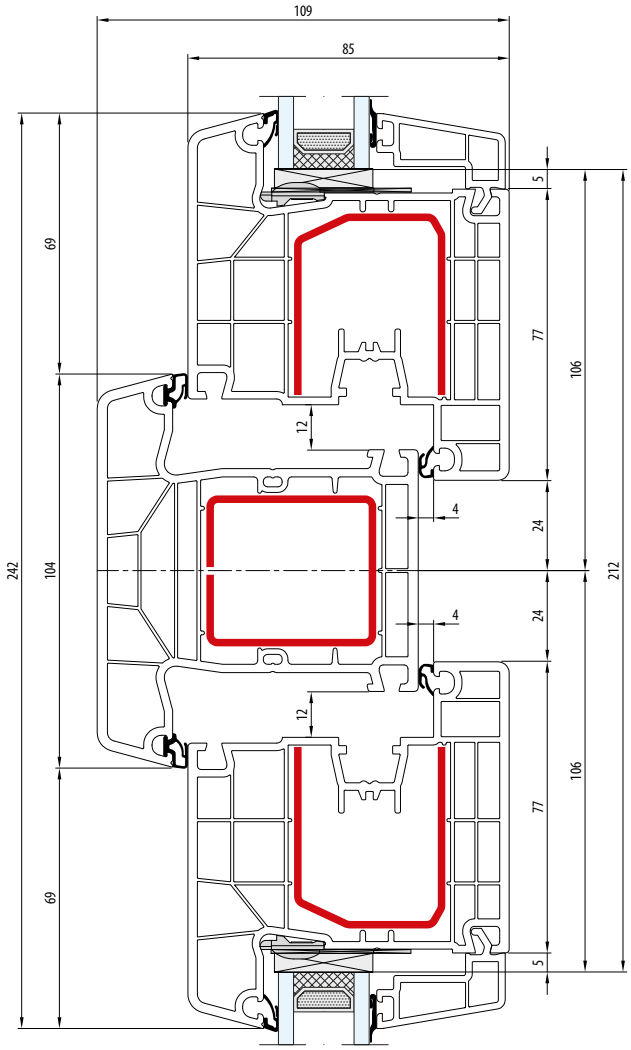



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

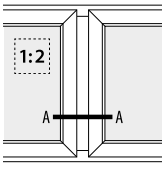


CL

SL
CL
RL

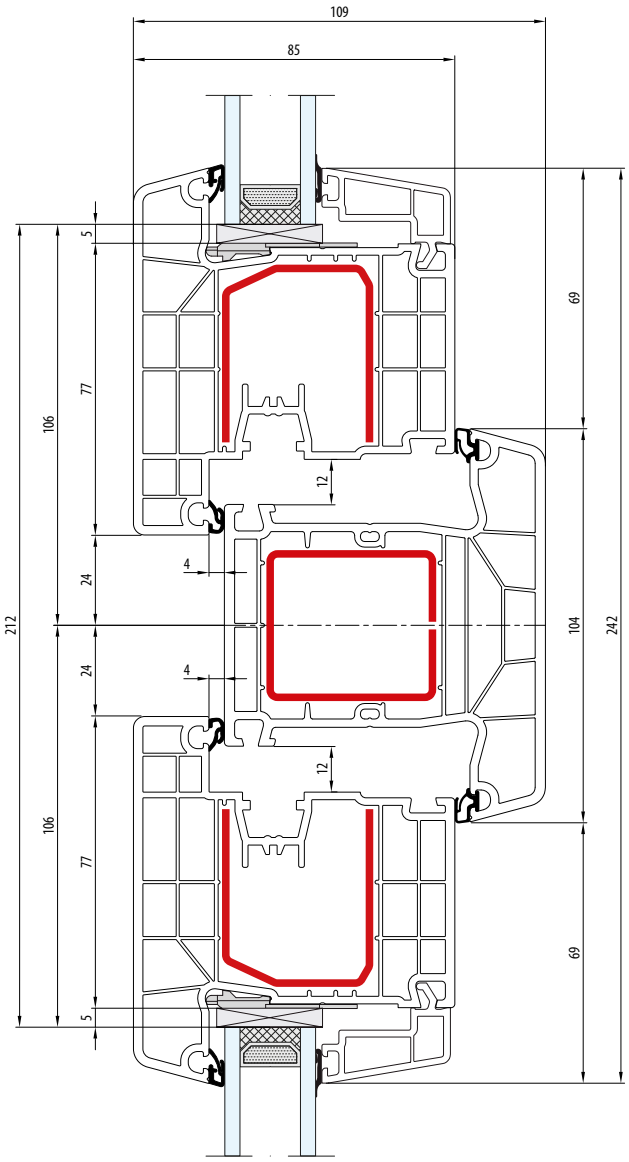



- Słupek stały: 104 mm · Skrzydło: 97 mm
- Meneau fixe: 104 mm · Vantail: 97 mm
- Fix post: 104 mm · Sash: 97 mm
- Festem Pfahl: 104 mm · Flügel: 97 mm
- Montante fisso: 104 mm · Anta: 97 mm
- Vaste stijl: 104 mm · Vleugel: 97 mm

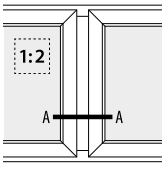


CL

SL CL RL

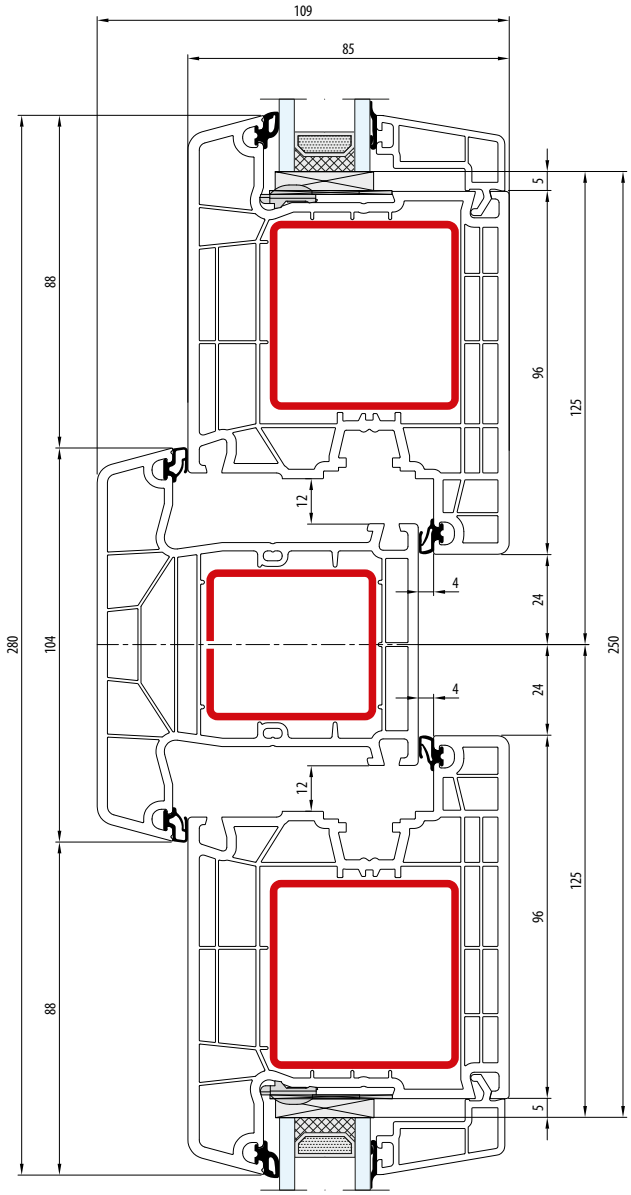



- Słupek stały: 104 mm · Skrzydło: 97 mm
- Meneau fixe: 104 mm · Vantail: 97 mm
- Fix post: 104 mm · Sash: 97 mm
- Festem Pfahl: 104 mm · Flügel: 97 mm
- Montante fisso: 104 mm · Anta: 97 mm
- Vaste stijl: 104 mm · Vleugel: 97 mm

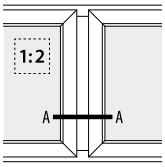


CL

SL
CL
RL

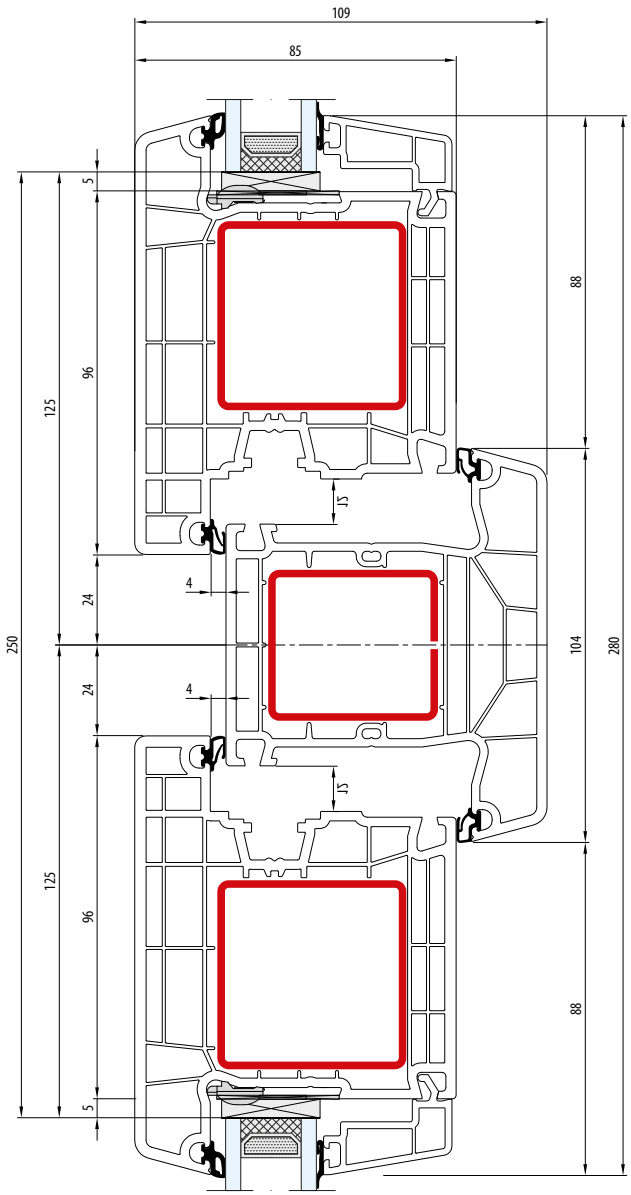



Słupek stały: 104 mm · Skrzydło: 116 mm
Meneau fixe: 104 mm · Vantail: 116 mm
Fix post: 104 mm · Sash: 116 mm
Festem Pfahl: 104 mm · Flügel: 116 mm
Montante fisso: 104 mm · Anta: 116 mm
Vaste stijl: 104 mm · Vleugel: 116 mm

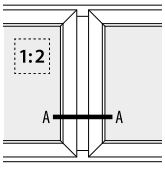


CL

SL CL RL

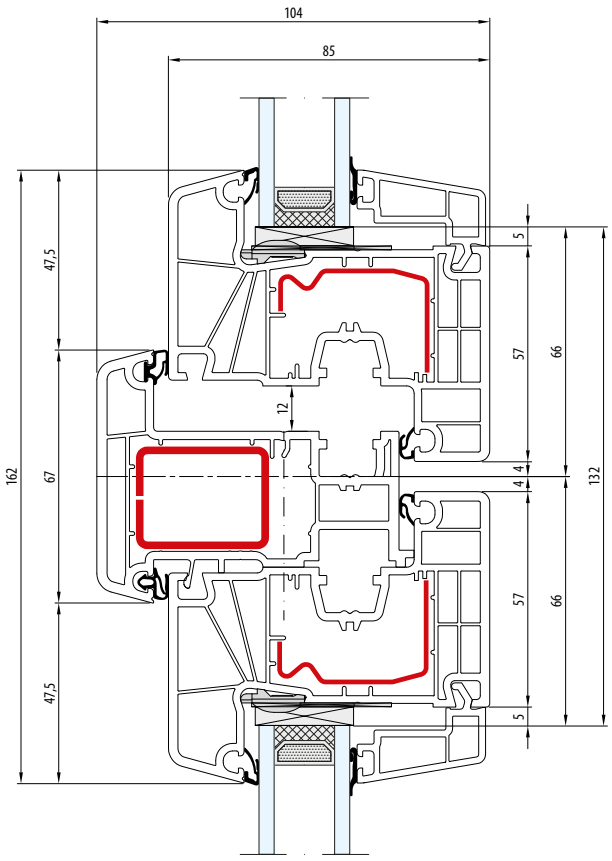



- Słupek stały: 104 mm · Skrzydło: 116 mm
- Meneau fixe: 104 mm · Vantail: 116 mm
- Fix post: 104 mm · Sash: 116 mm
- Festem Pfahl: 104 mm · Flügel: 116 mm
- Montante fisso: 104 mm · Anta: 116 mm
- Vaste stijl: 104 mm · Vleugel: 116 mm

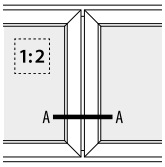


CL

SL
CL
RL

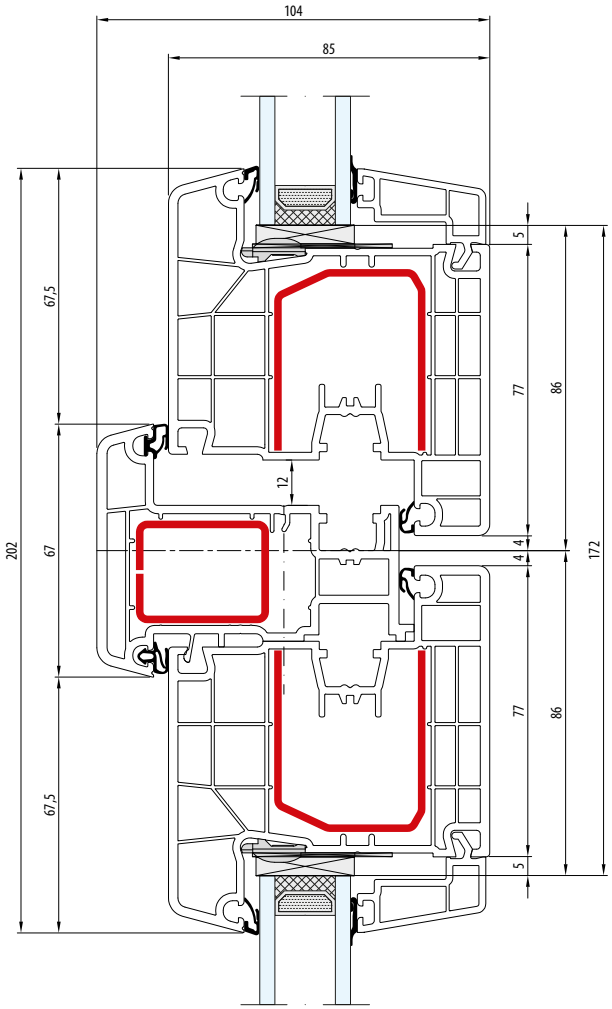



- Słupek ruchomy: 67 mm · Skrzydło: 77 mm
- Meneau mobile: 67 mm · Vantail: 77 mm
- Movable post: 67 mm · Sash: 77 mm
- Stulp: 67 mm · Flügel: 77 mm
- Montante mobile: 67 mm · Anta: 77 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 77 mm

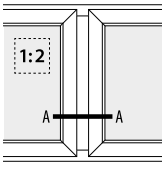


CL

SL
CL
RL

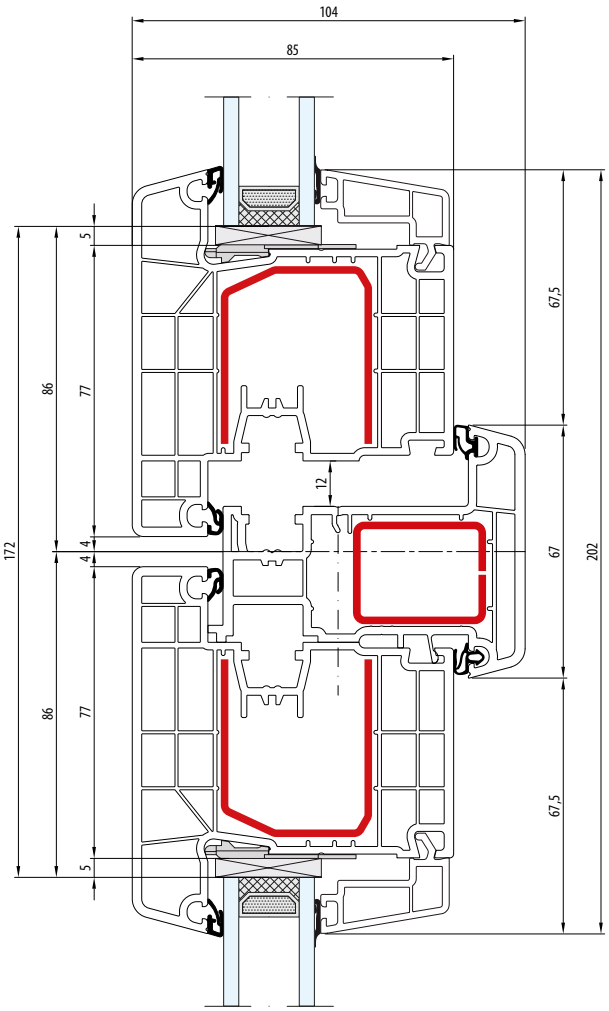



- Słupek ruchomy: 67 mm · Skrzydło: 97 mm
- Meneau mobile: 67 mm · Vantail: 97 mm
- Movable post: 67 mm · Sash: 97 mm
- Stulp: 67 mm · Flügel: 97 mm
- Montante mobile: 67 mm · Anta: 97 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 97 mm

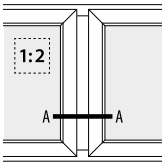


CL

SL
CL
RL

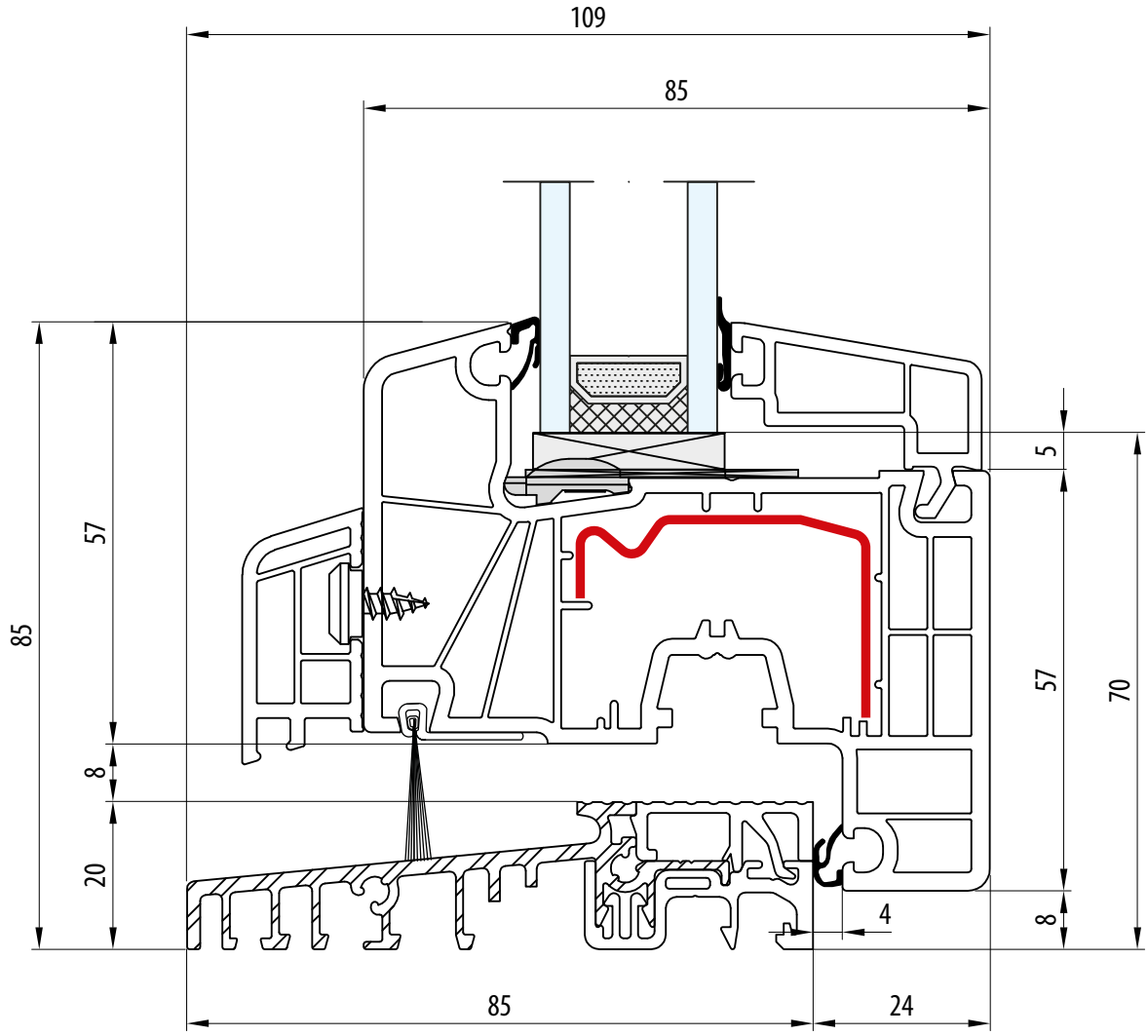



- Słupek ruchomy: 67 mm · Skrzydło: 97 mm
- Meneau mobile: 67 mm · Vantail: 97 mm
- Movable post: 67 mm · Sash: 97 mm
- Stulp: 67 mm · Flügel: 97 mm
- Montante mobile: 67 mm · Anta: 97 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 97 mm

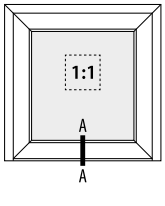


CL

SL
CL
RL

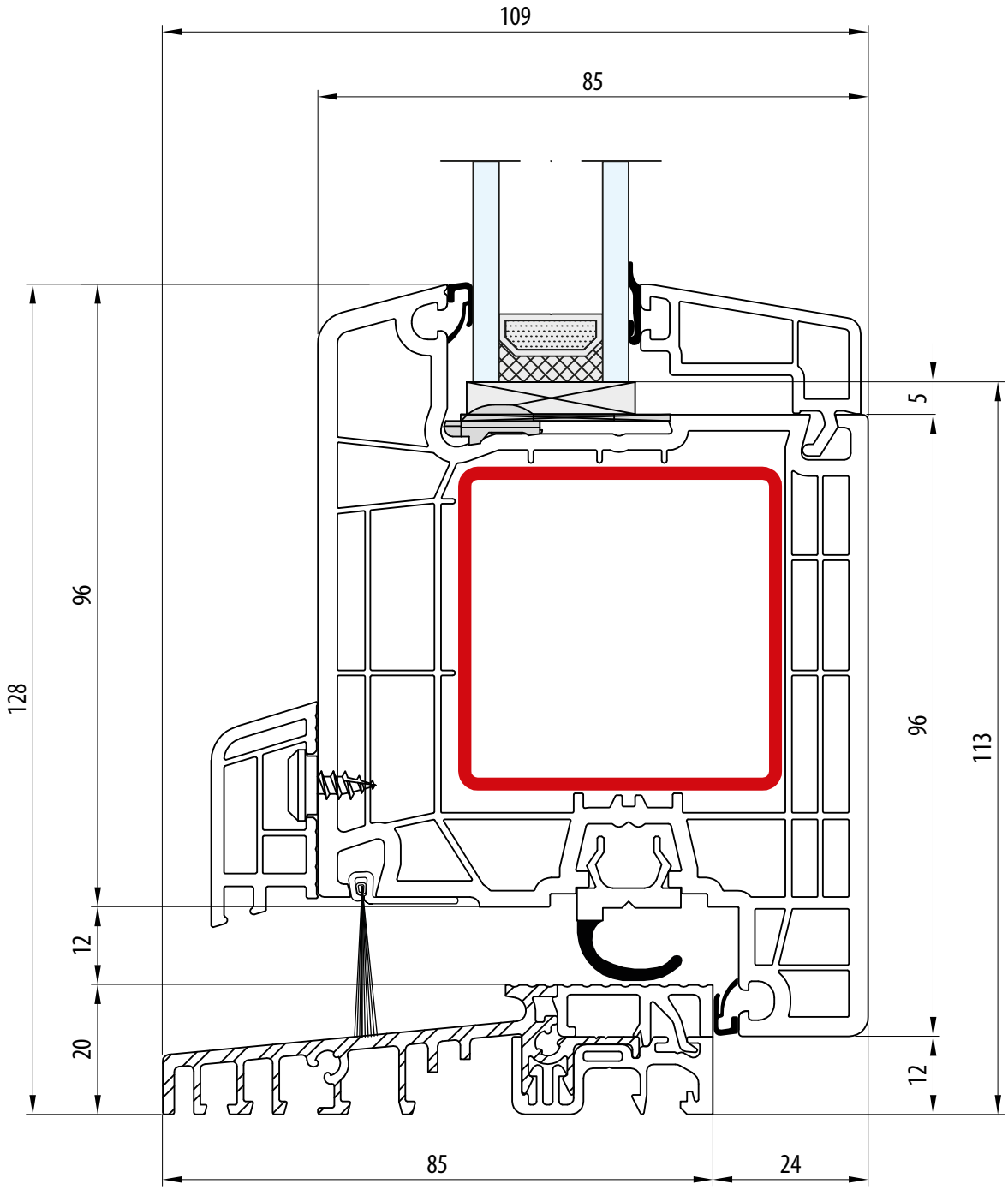



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

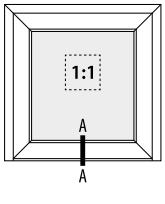


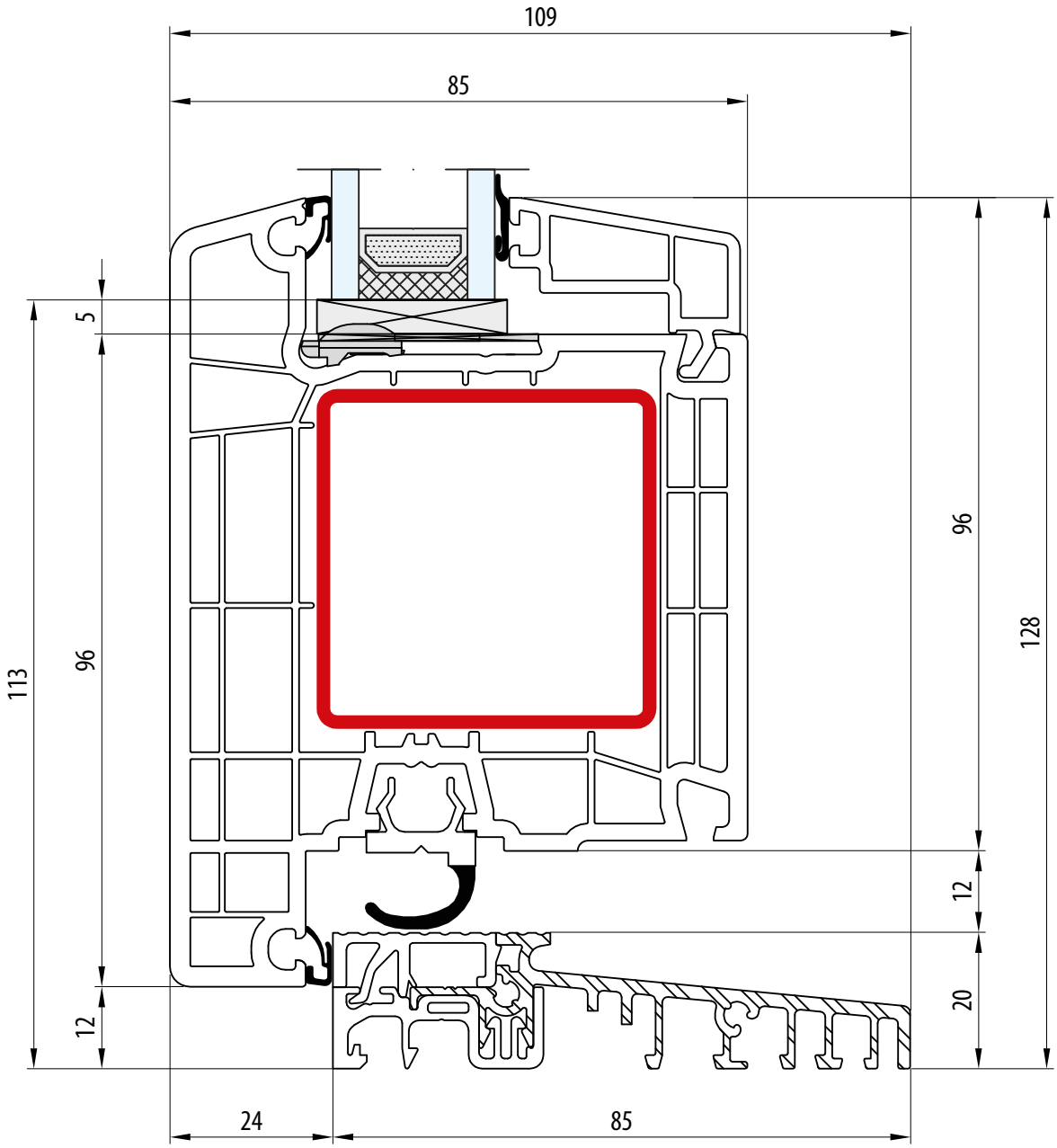
CL

SL
CL
RL

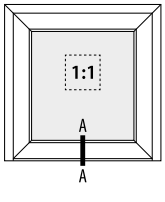



Próg: 20 mm · Skrzydło: 116 mm
Seuil: 20 mm · Vantail: 116 mm
Threshold: 20 mm · Sash: 116 mm
Schwelle: 20 mm · Flügel: 116 mm
Soglia: 20 mm · Anta: 116 mm
Dorpel: 20 mm · Vleugel: 116 mm



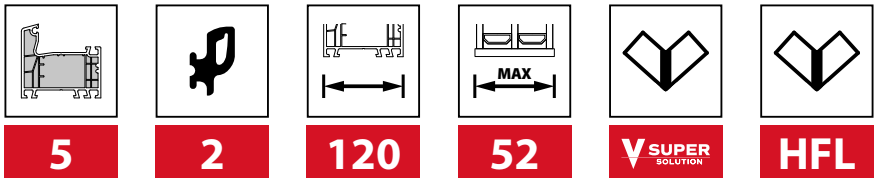



- Próg: 20 mm · Skrzydło: 116 mm
- Seuil: 20 mm · Vantail: 116 mm
- Threshold: 20 mm · Sash: 116 mm
- Schwelle: 20 mm · Flügel: 116 mm
- Soglia: 20 mm · Anta: 116 mm
- Dorpel: 20 mm · Vleugel: 116 mm

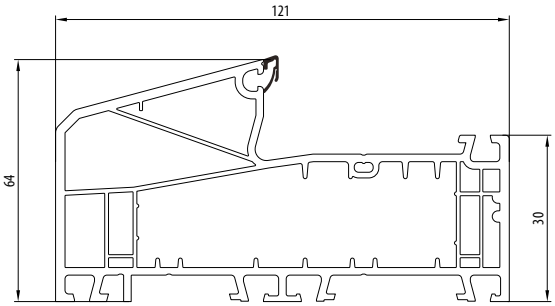


# IDEAL 7000 NL

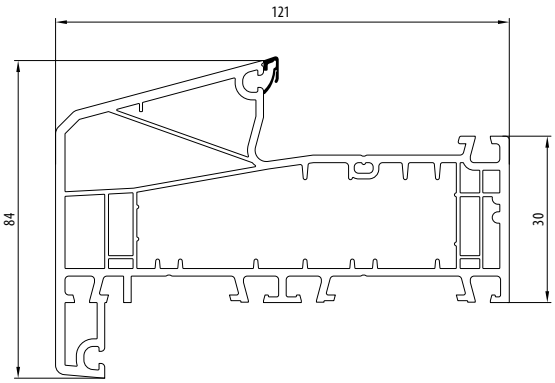




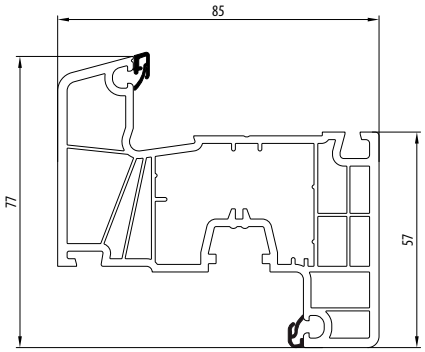




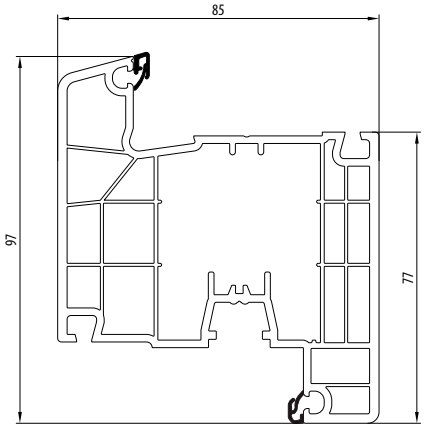

CL 170x53



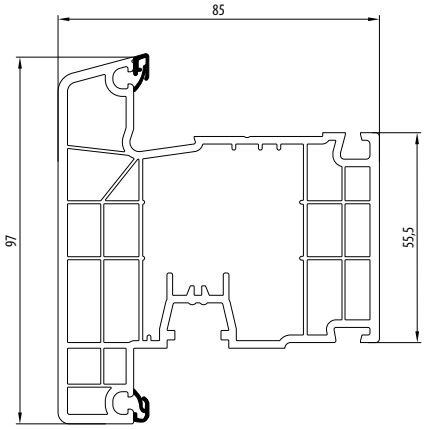

CL 170x54



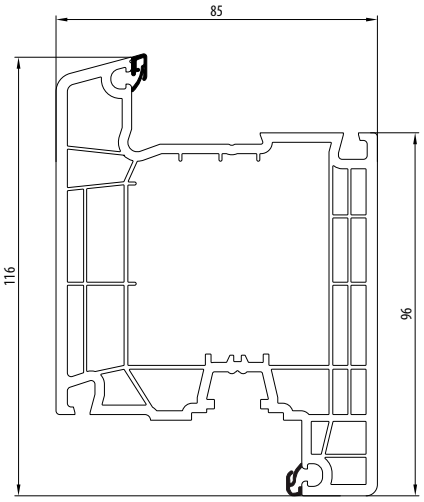

CL 170x20



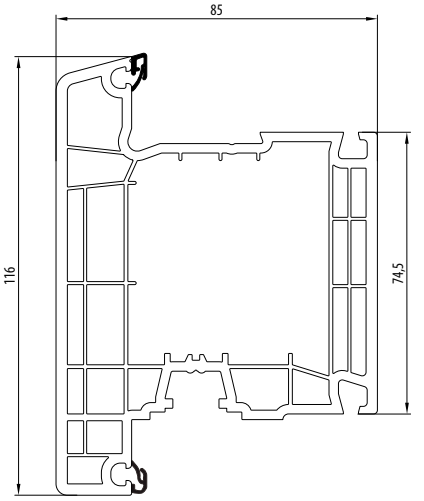

CL 170x30




CL 170x31

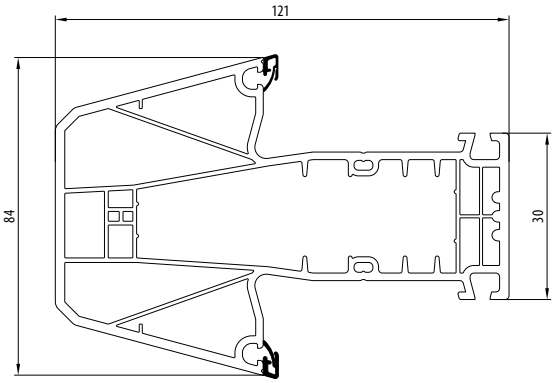



CL 170x33

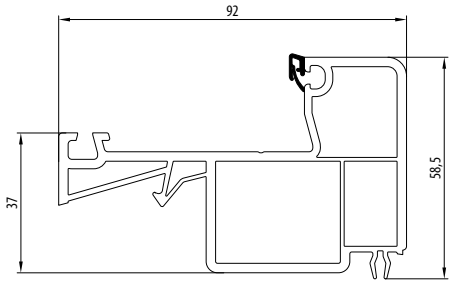



CL 170x35

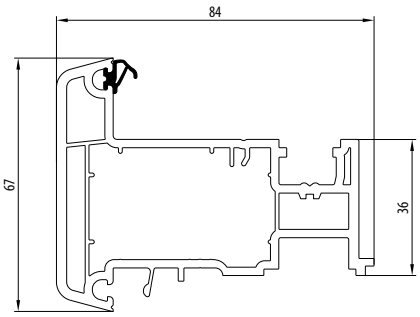
1:2



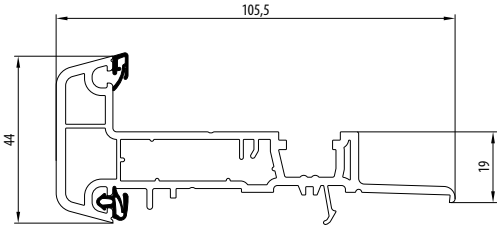

170x57



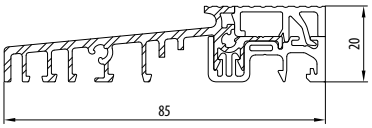

170x58



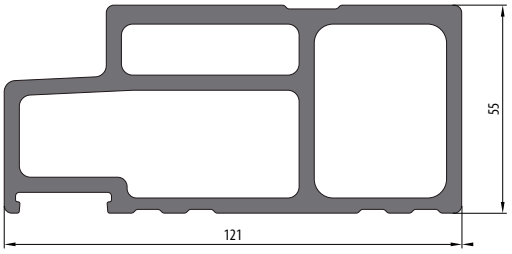

170x64



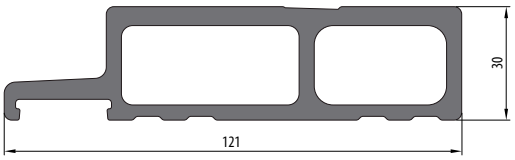

170x65




alu - 20 mm




buva - 55 mm

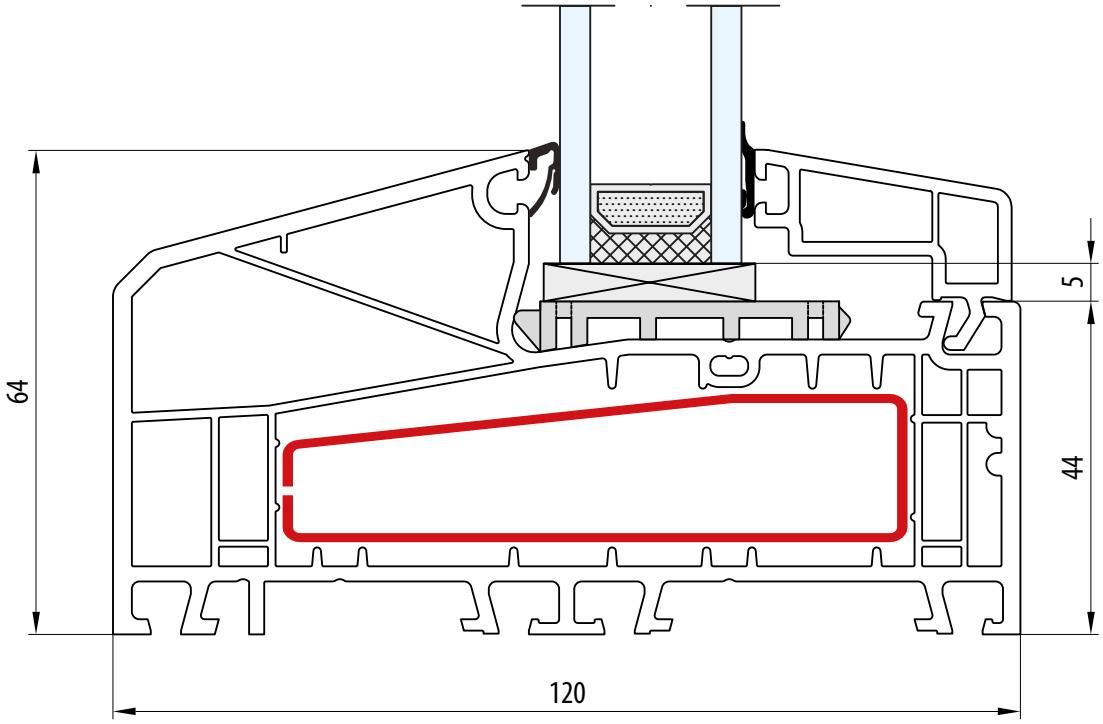



buva - 30 mm

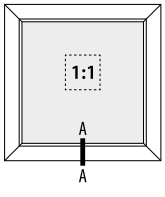
1:2

RL

SL
CL
RL

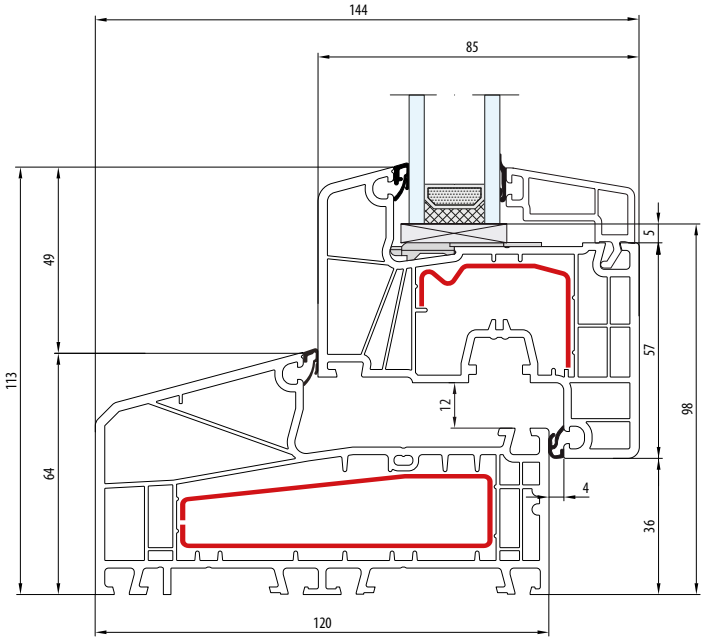



- Rama: 64 mm
- Dormant: 64 mm
- Frame: 64 mm
- Rahmen: 64 mm
- Telaio: 64 mm
- Kader : 64 mm

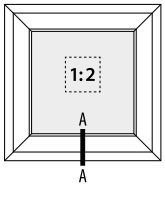


CL

SL
CL
RL

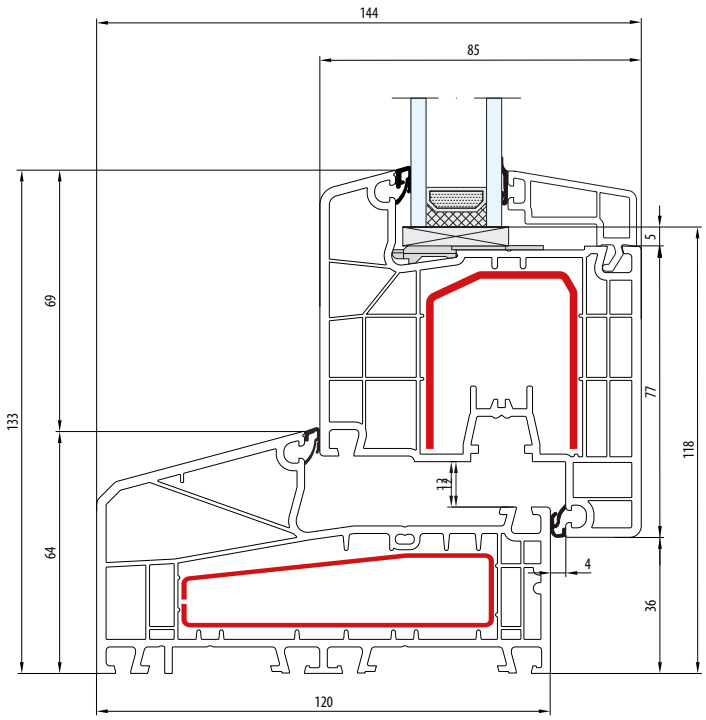



- Rama: 64 mm · Skrzydło: 77 mm
- Dormant: 64 mm · Vantail: 77 mm
- Frame: 64 mm · Sash: 77 mm
- Rahmen: 64 mm · Flügel: 77 mm
- Telaio: 64 mm · Anta: 77 mm
- Kader: 64 mm · Vleugel: 77 mm

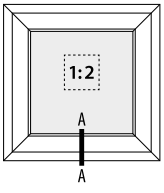


CL

SL
CL
RL

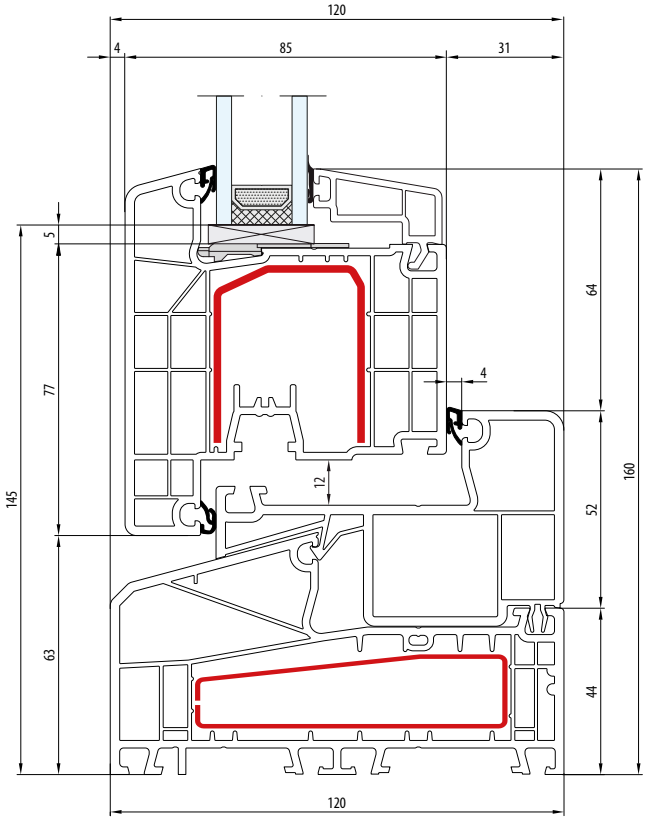



Rama: 64 mm · Skrzydło: 97 mm
Dormant: 64 mm · Vantail: 97 mm
Frame: 64 mm · Sash: 97 mm
Rahmen: 64 mm · Flügel: 97 mm
Telaio: 64 mm · Anta: 97 mm
Kader: 64 mm · Vleugel: 97 mm

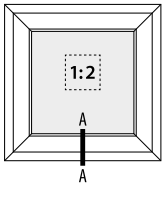


RL

SL
CL
RL

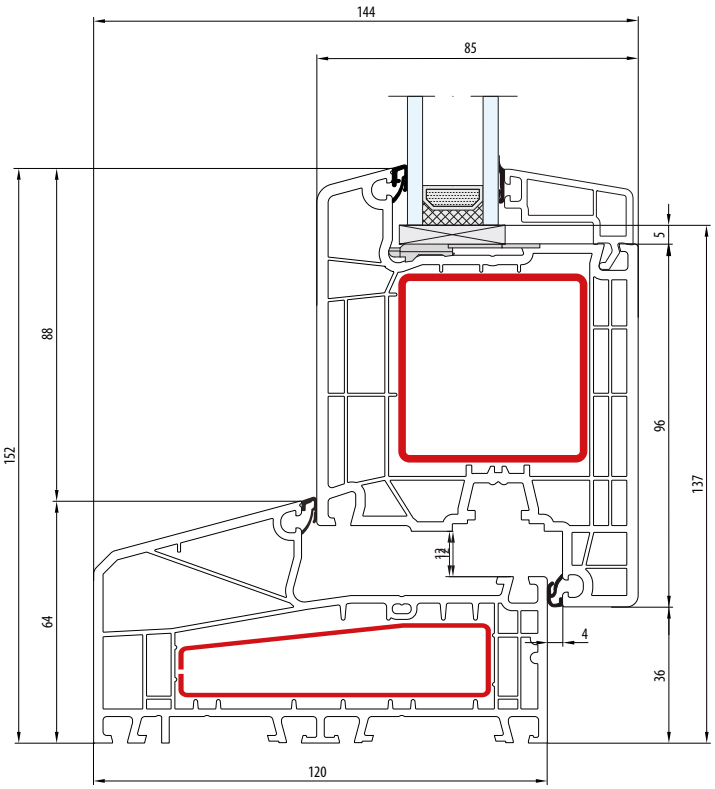



- Rama: 64 mm · Skrzydło: 97 mm
- Dormant: 64 mm · Vantail: 97 mm
- Frame: 64 mm · Sash: 97 mm
- Rahmen: 64 mm · Flügel: 97 mm
- Telaio: 64 mm · Anta: 97 mm
- Kader: 64 mm · Vleugel: 97 mm

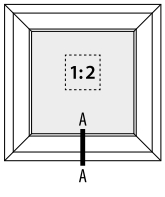


RL

SL
CL
RL

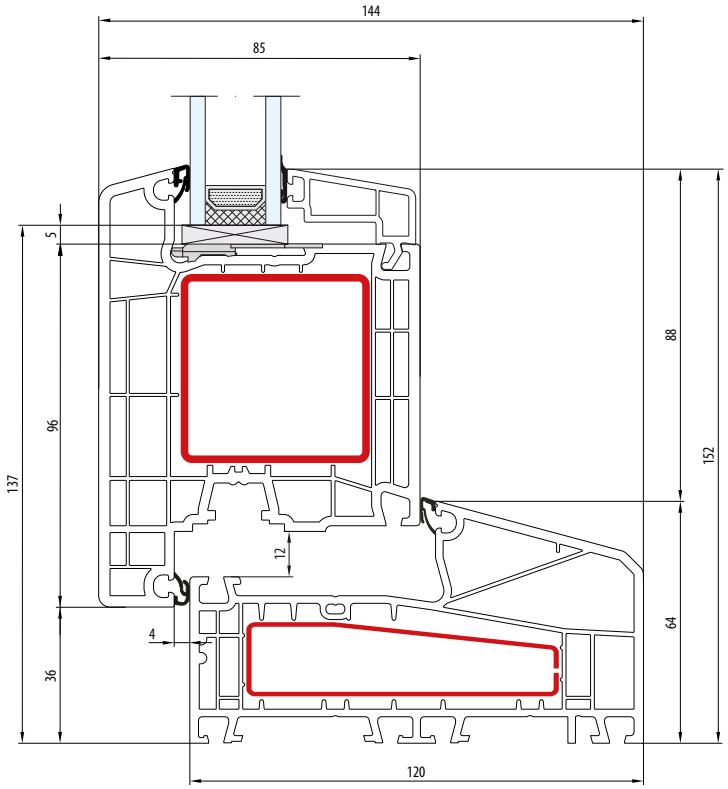



Rama: 64 mm · Skrzydło: 116 mm
Dormant: 64 mm · Vantail: 116 mm
Frame: 64 mm · Sash: 116 mm
Rahmen: 64 mm · Flügel: 116 mm
Telaio: 64 mm · Anta: 116 mm
Kader: 64 mm · Vleugel: 116 mm

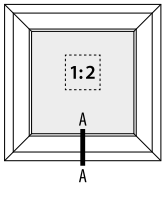


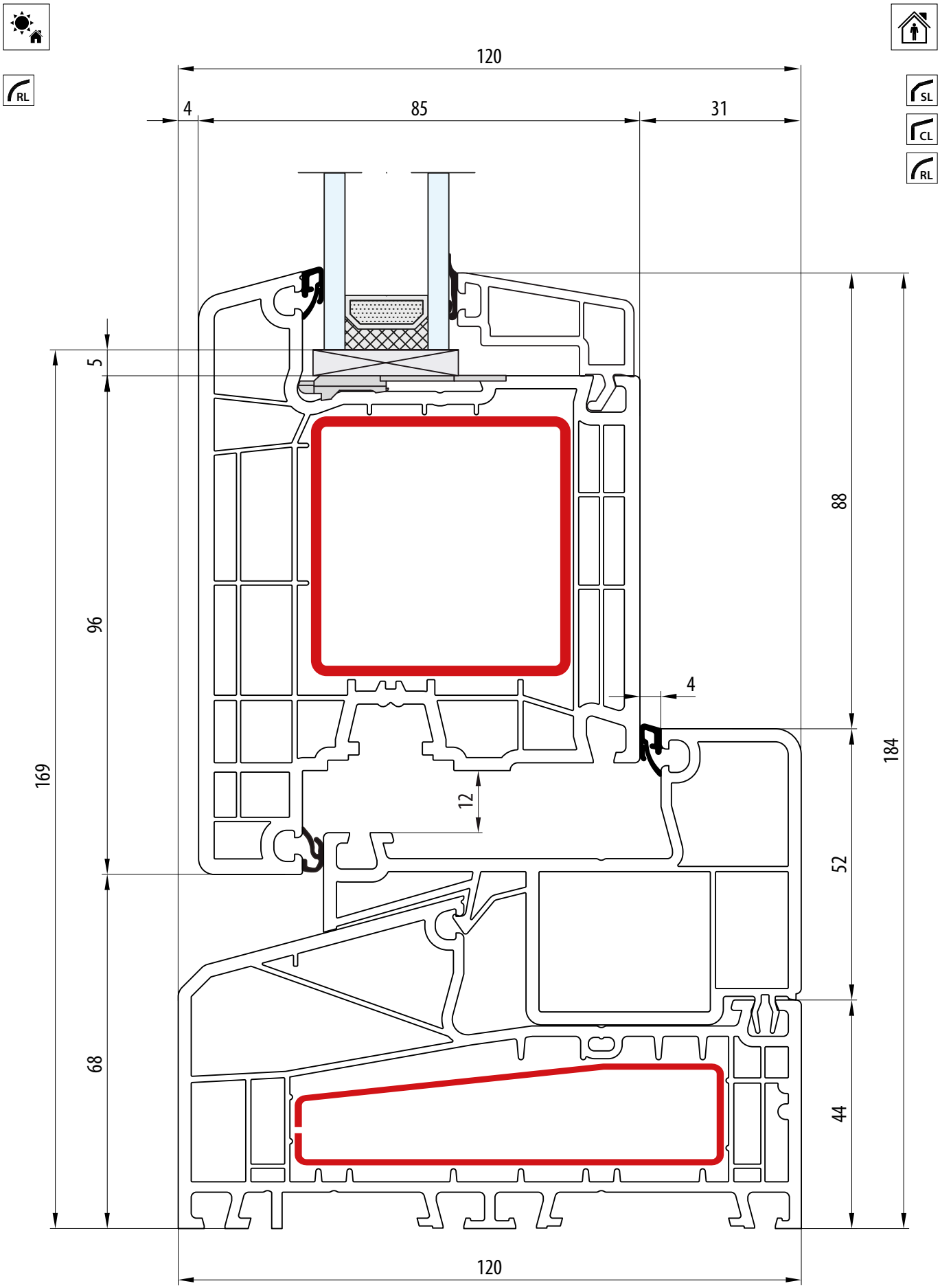
CL

SL CL RL

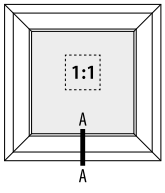



Rama: 64 mm · Skrzydło: 116 mm
Dormant: 64 mm · Vantail: 116 mm
Frame: 64 mm · Sash: 116 mm
Rahmen: 64 mm · Flügel: 116 mm
Telaio: 64 mm · Anta: 116 mm
Kader: 64 mm · Vleugel: 116 mm



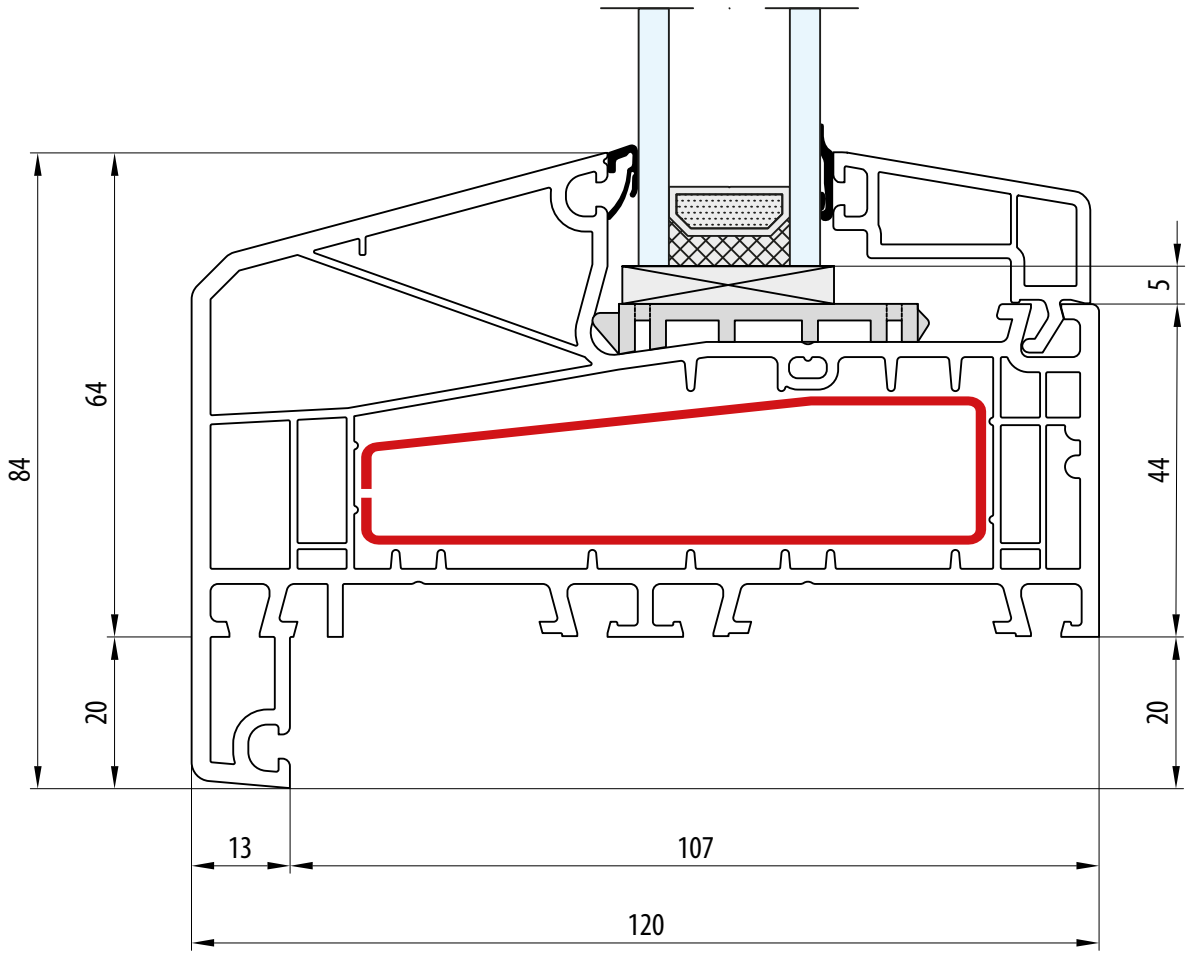



Rama: 64 mm · Skrzydło: 116 mm
Dormant: 64 mm · Vantail: 116 mm
Frame: 64 mm · Sash: 116 mm
Rahmen: 64 mm · Flügel: 116 mm
Telaio: 64 mm · Anta: 116 mm
Kader: 64 mm · Vleugel: 116 mm

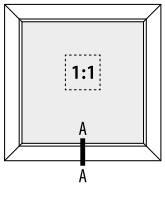


CL

SL
CL
RL

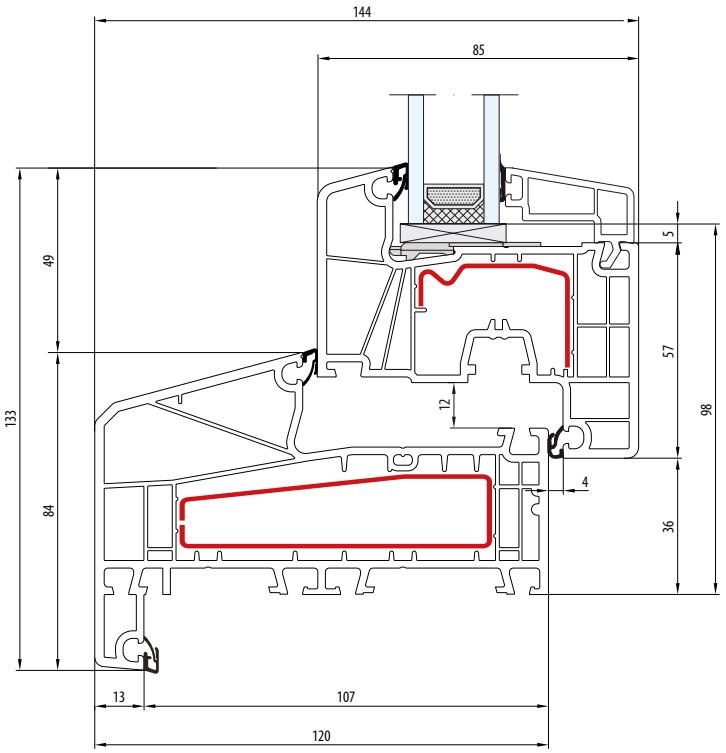



- Rama: 84 mm
- Dormant: 84 mm
- Frame: 84 mm
- Rahmen: 84 mm
- Telaio: 84 mm
- Kader: 84 mm

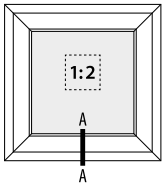


RL

SL
CL
RL

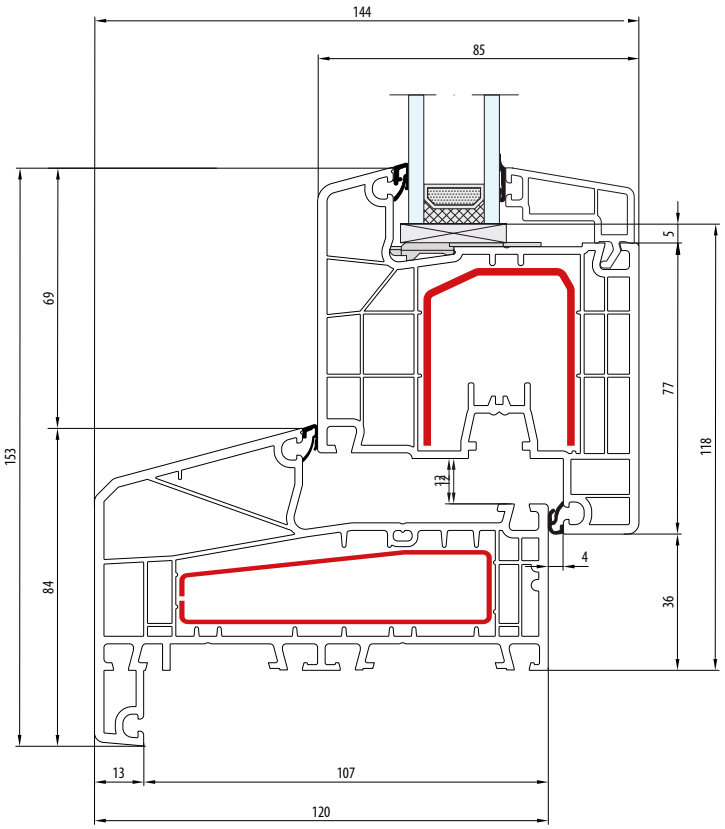



Rama: 84 mm · Skrzydło: 77 mm
Dormant: 84 mm · Vantail: 77 mm
Frame: 84 mm · Sash: 77 mm
Rahmen: 84 mm · Flügel: 77 mm
Telaio: 84 mm · Anta: 77 mm
Kader: 84 mm · Vleugel: 77 mm

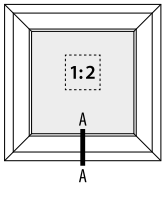


CL

SL
CL
RL

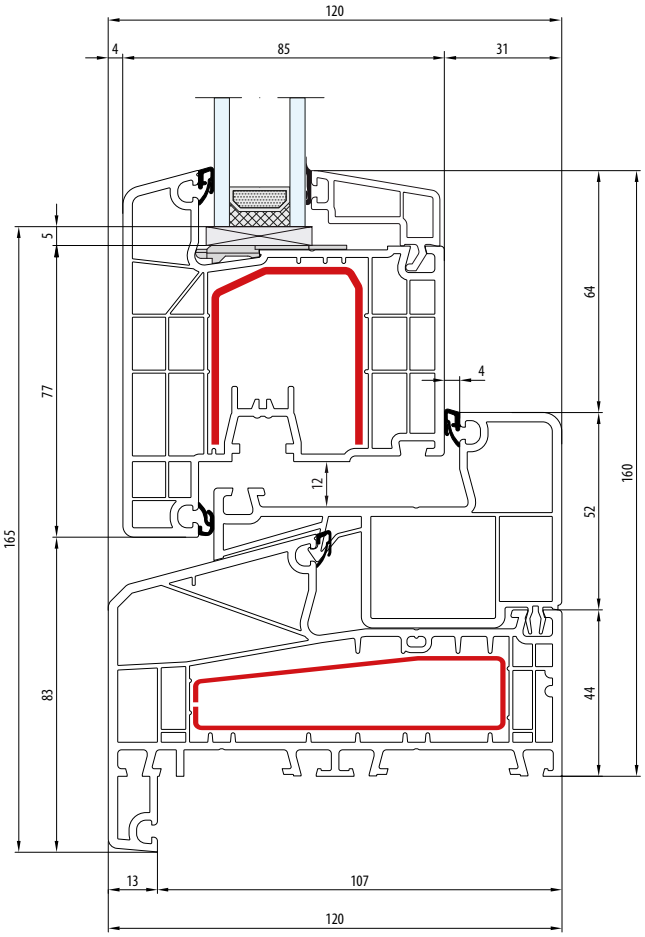



Rama: 84 mm · Skrzydło: 97 mm
Dormant: 84 mm · Vantail: 97 mm
Frame: 84 mm · Sash: 97 mm
Rahmen: 84 mm · Flügel: 97 mm
Telaio: 84 mm · Anta: 97 mm
Kader: 84 mm · Vleugel: 97 mm

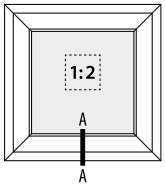


RL

SL
CL
RL

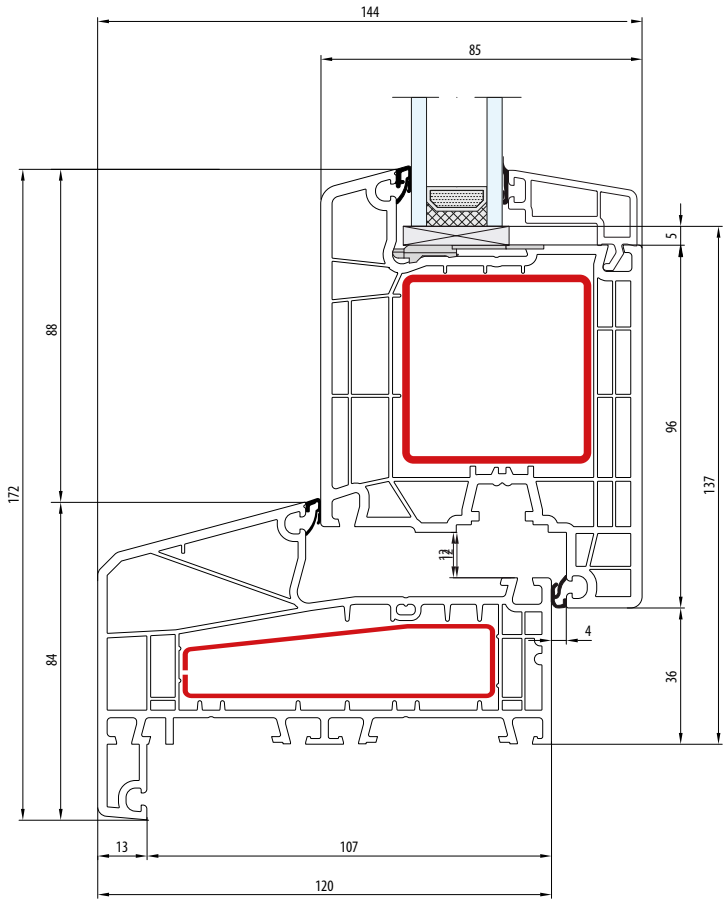



Rama: 84 mm · Skrzydło: 97 mm
Dormant: 84 mm · Vantail: 97 mm
Frame: 84 mm · Sash: 97 mm
Rahmen: 84 mm · Flügel: 97 mm
Telaio: 84 mm · Anta: 97 mm
Kader: 84 mm · Vleugel: 97 mm

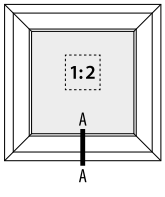


CL

SL
CL
RL

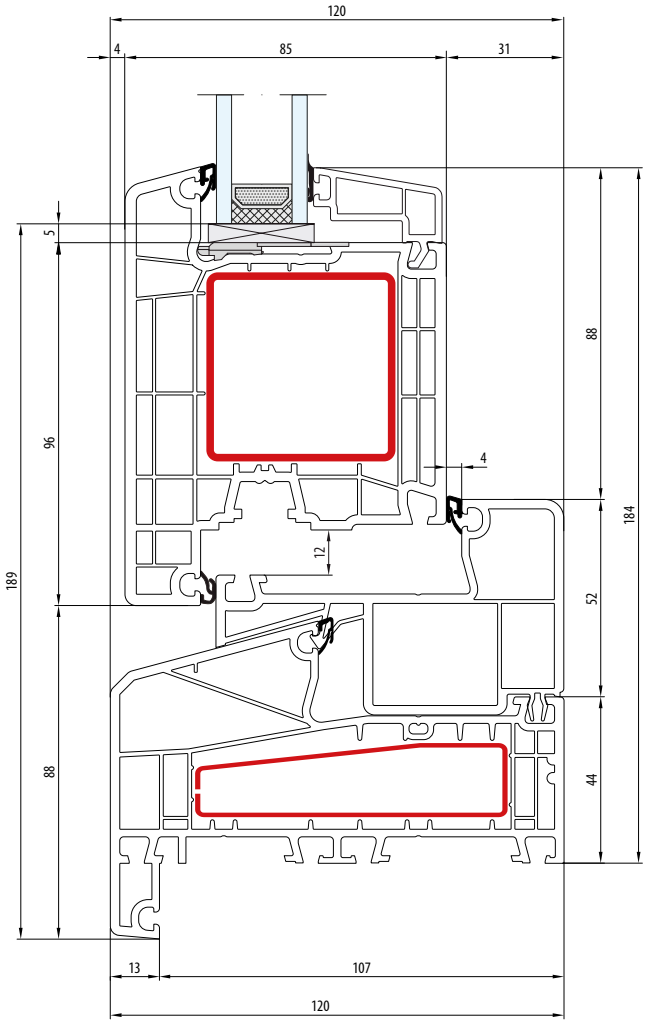



- Rama: 84 mm · Skrzydło: 116 mm
- Dormant: 84 mm · Vantail: 116 mm
- Frame: 84 mm · Sash: 116 mm
- Rahmen: 84 mm · Flügel: 116 mm
- Telaio: 84 mm · Anta: 116 mm
- Kader: 84 mm · Vleugel: 116 mm

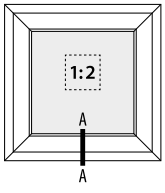


RL

SL
CL
RL




Rama: 84 mm · Skrzydło: 116 mm
Dormant: 84 mm · Vantail: 116 mm
Frame: 84 mm · Sash: 116 mm
Rahmen: 84 mm · Flügel: 116 mm
Telaio: 84 mm · Anta: 116 mm
Kader: 84 mm · Vleugel: 116 mm









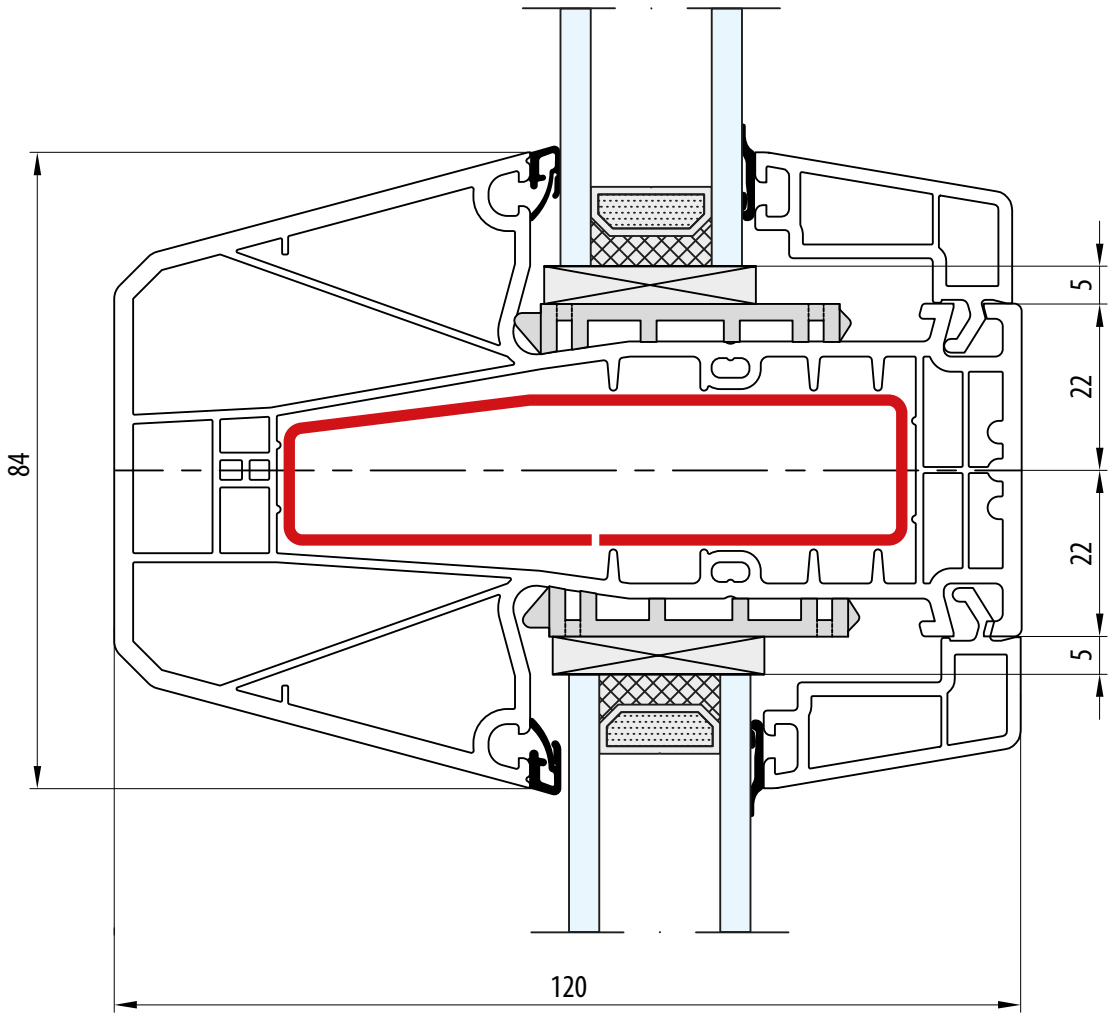




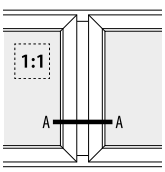






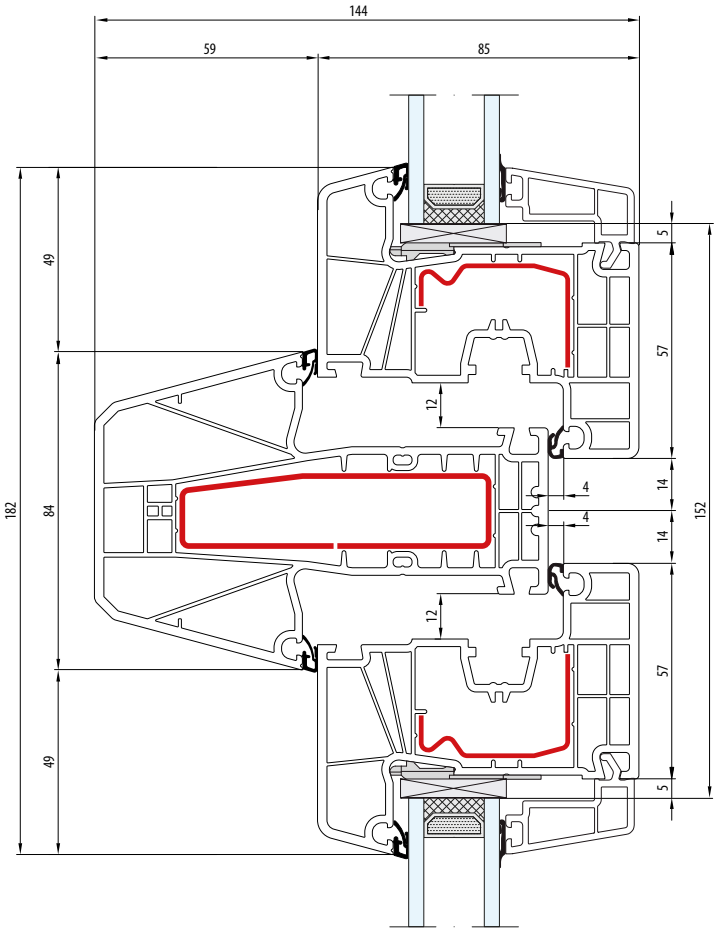



- Słupek stały: 84 mm
- Meneau fixe: 84 mm
- Fix post: 84 mm
- Festem Pfahl: 84 mm
- Montante fisso: 84 mm
- Vaste stijl: 84 mm

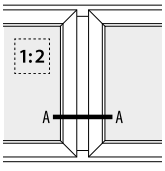


CL

SL
CL
RL




- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm



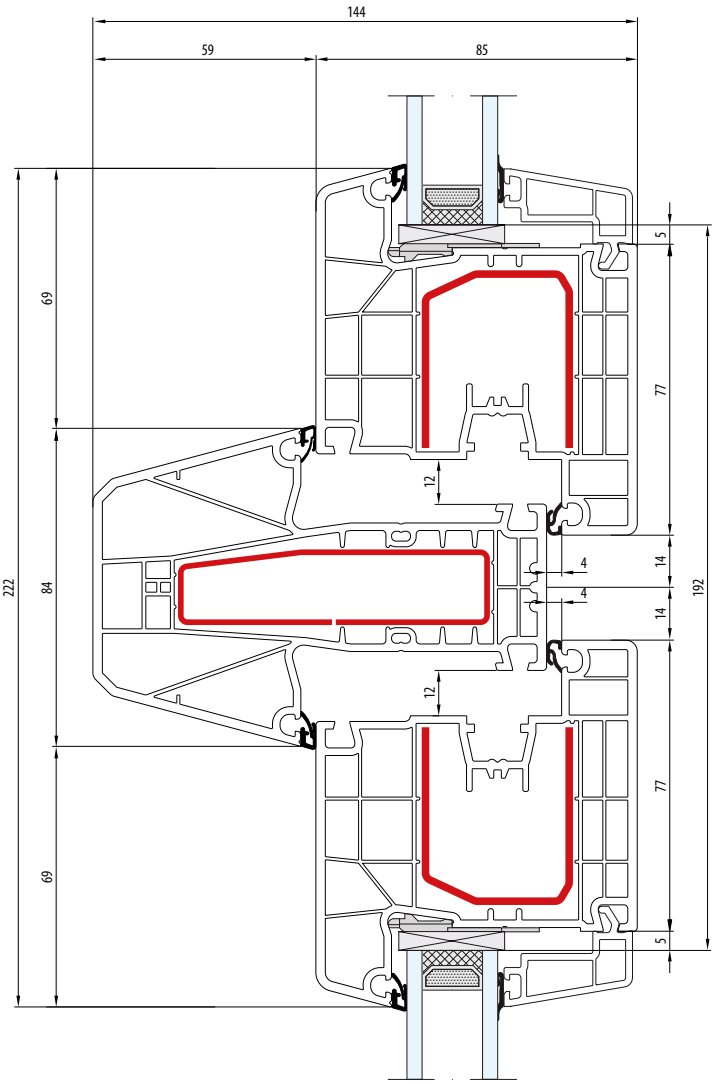




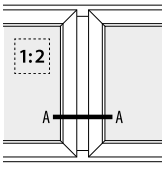






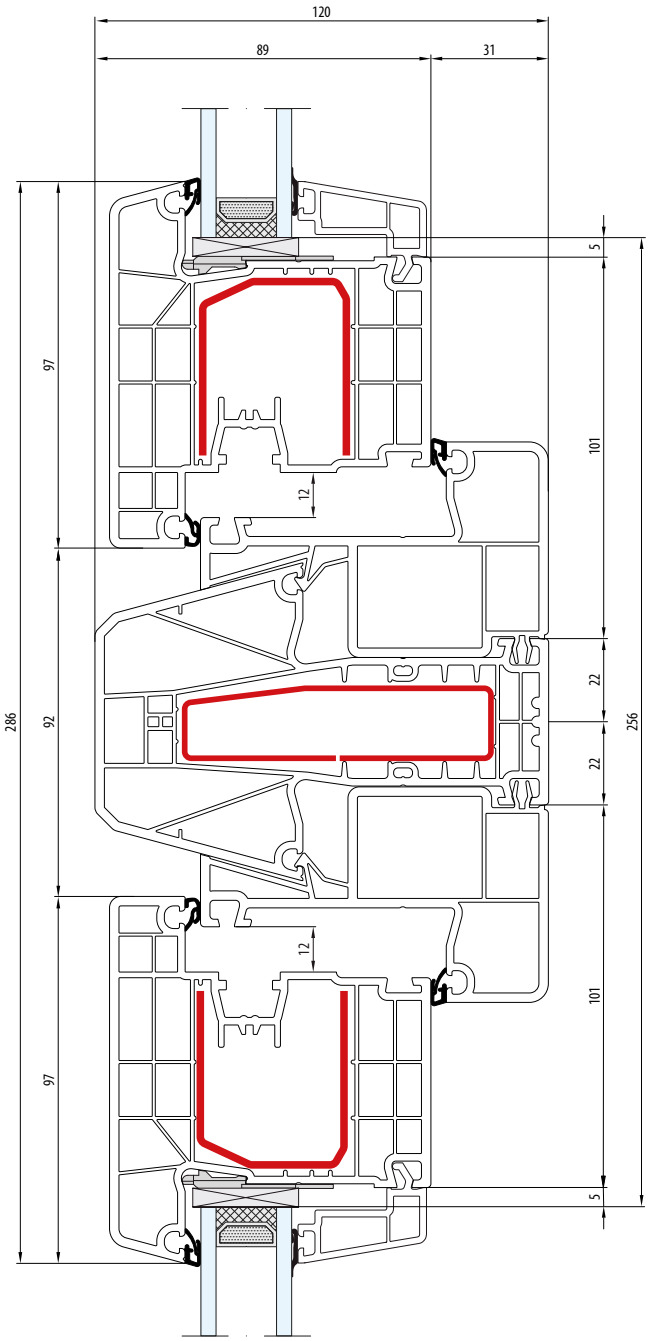



- Słupek stały: 84 mm · Skrzydło: 97 mm
- Meneau fixe: 84 mm · Vantail: 97 mm
- Fix post: 84 mm · Sash: 97 mm
- Festem Pfahl: 84 mm · Flügel: 97 mm
- Montante fisso: 84 mm · Anta: 97 mm
- Vaste stijl: 84 mm · Vleugel: 97 mm

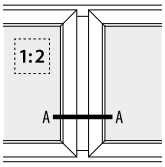


CL

SL
CL
RL

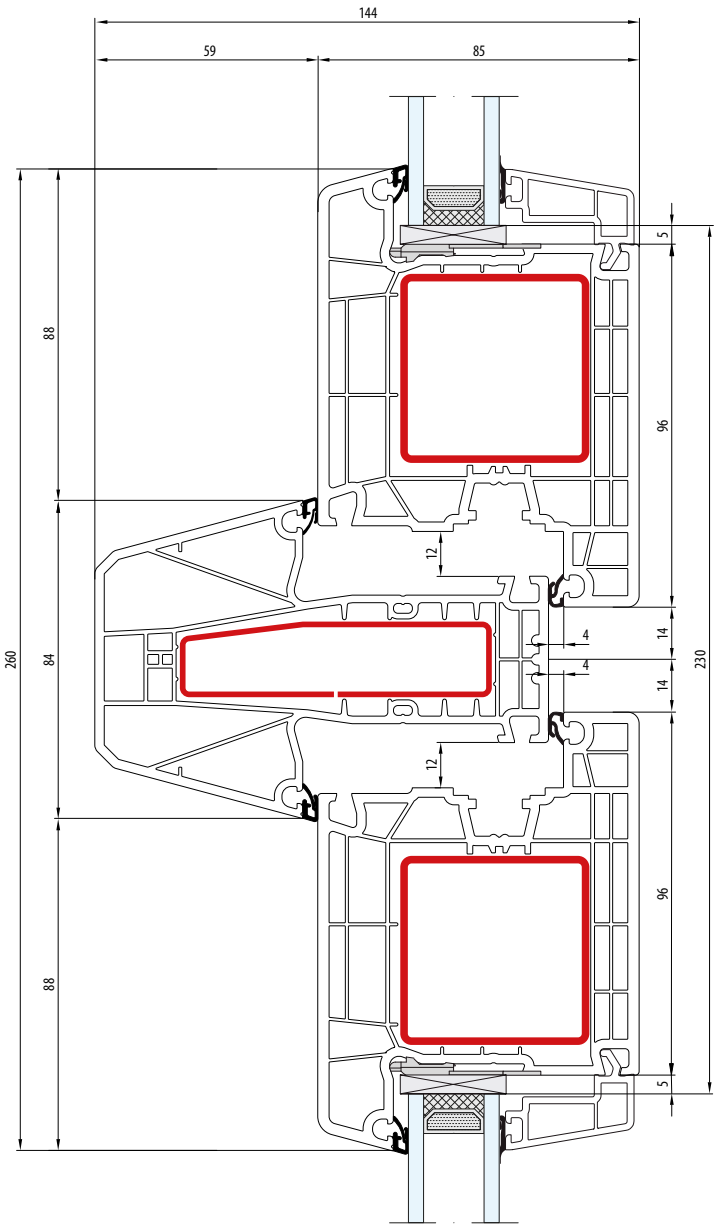



- Słupek stały: 84 mm · Skrzydło: 97 mm
- Meneau fixe: 84 mm · Vantail: 97 mm
- Fix post: 84 mm · Sash: 97 mm
- Festem Pfahl: 84 mm · Flügel: 97 mm
- Montante fisso: 84 mm · Anta: 97 mm
- Vaste stijl: 84 mm · Vleugel: 97 mm

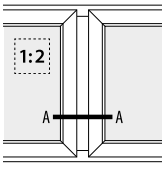


RL

SL
CL
RL

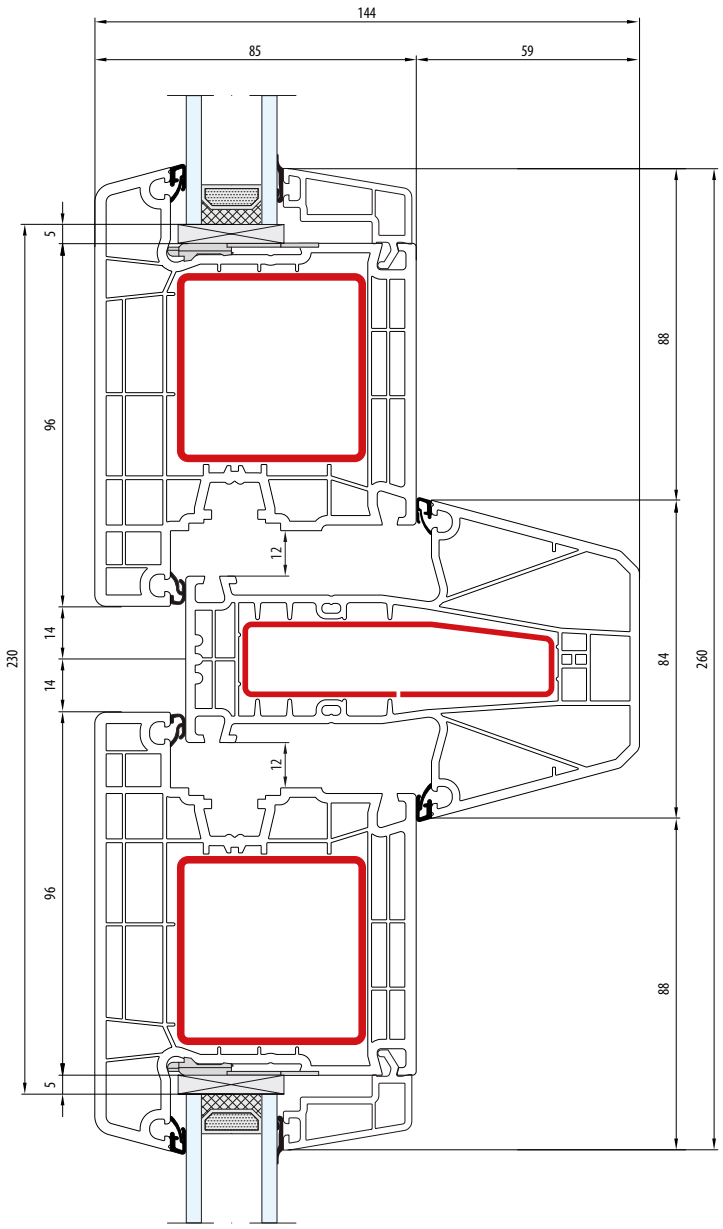



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm

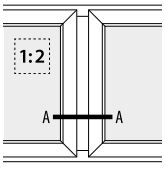


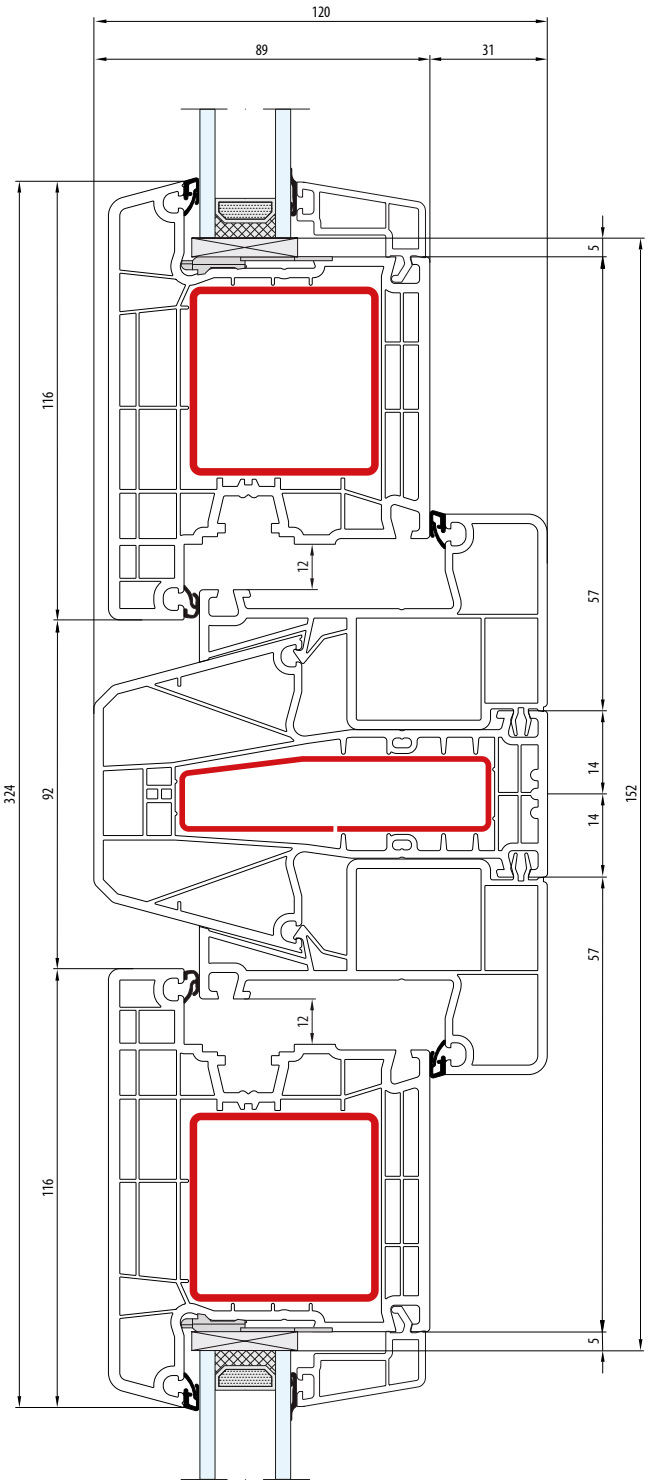
CL

SL
CL
RL

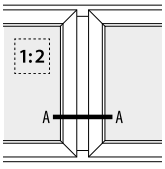



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm



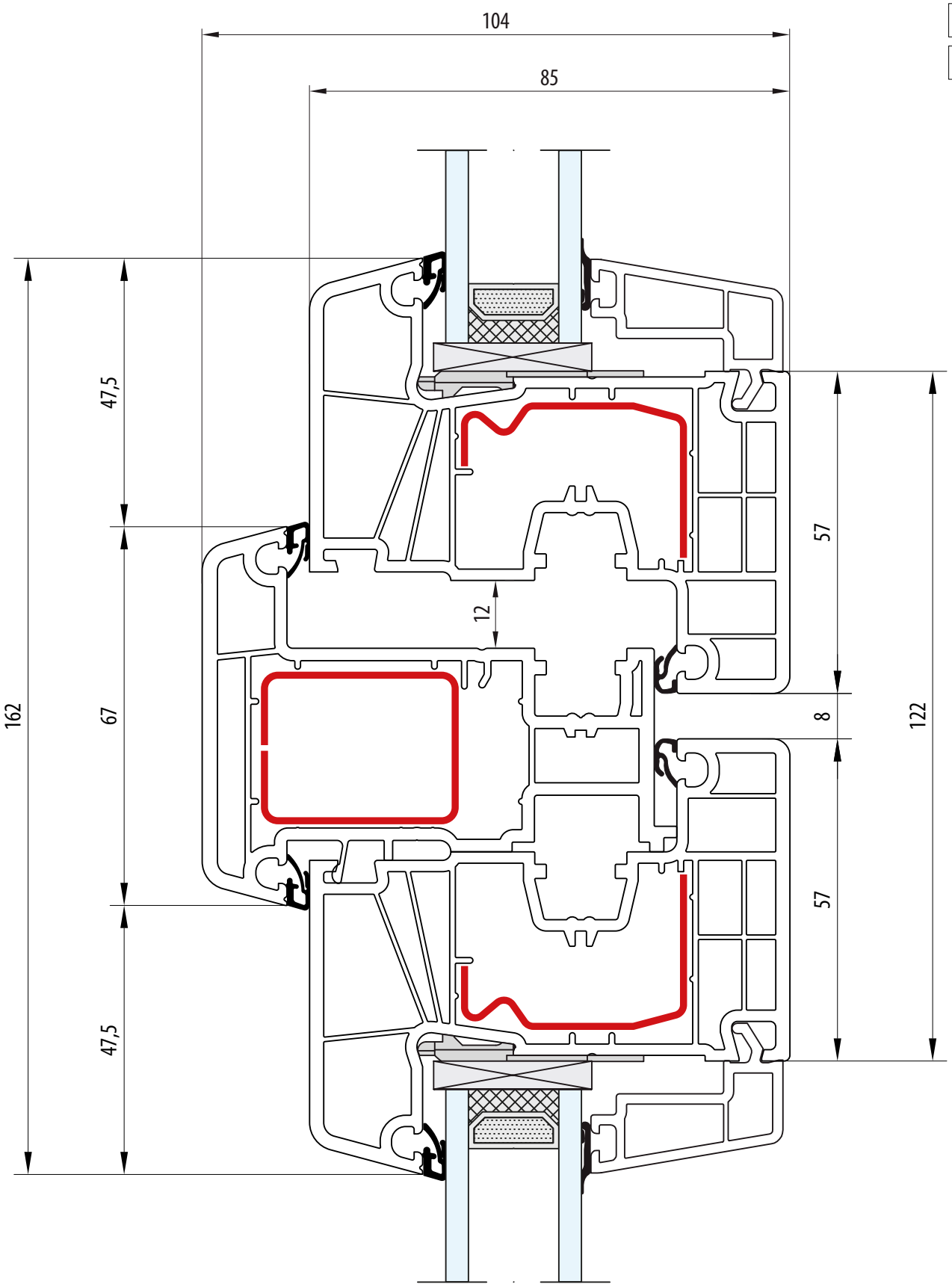



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm

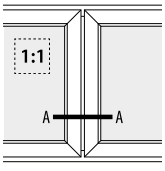


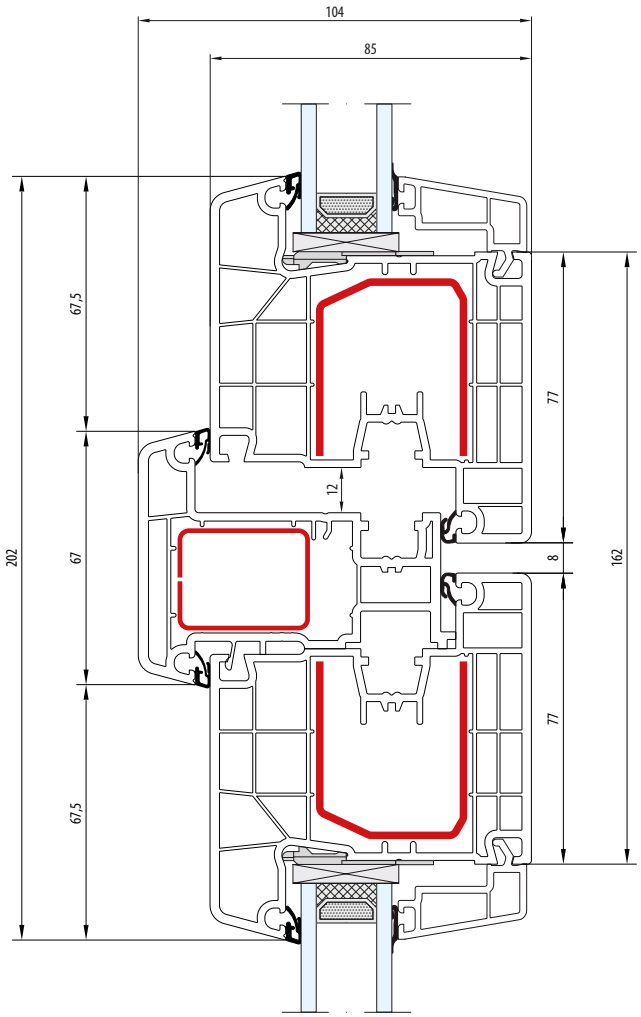
CL

SL
CL
RL

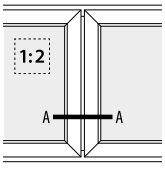



- Słupek ruchomy: 67 mm · Skrzydło: 77 mm
- Meneau mobile: 67 mm · Vantail: 77 mm
- Movable post: 67 mm · Sash: 77 mm
- Stulp: 67 mm · Flügel: 77 mm
- Montante mobile: 67 mm · Anta: 77 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 77 mm



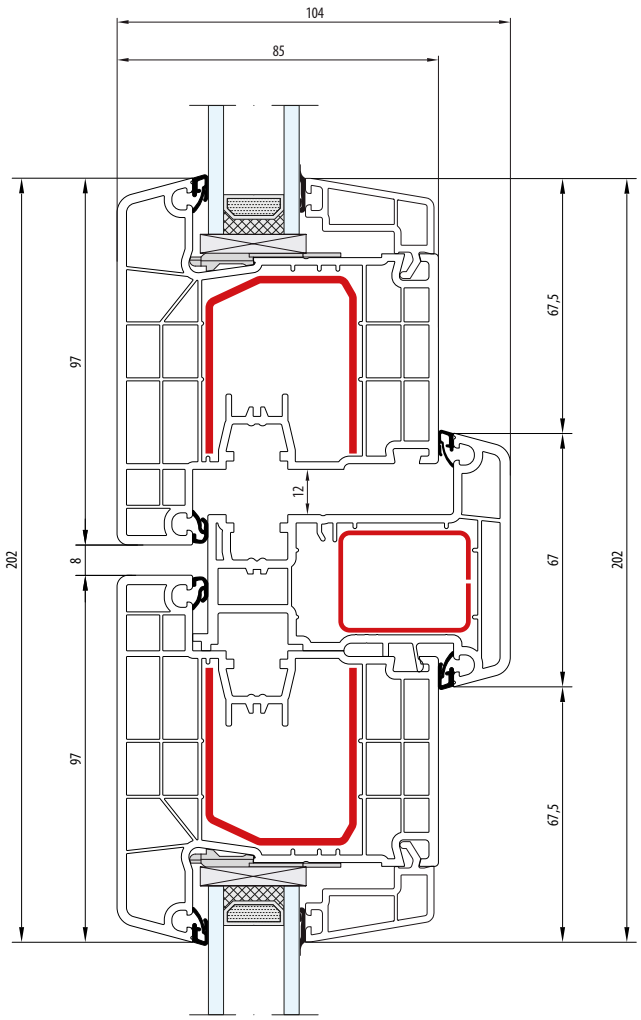



- Słupek ruchomy: 67 mm · Skrzydło: 97 mm
- Meneau mobile: 67 mm · Vantail: 97 mm
- Movable post: 67 mm · Sash: 97 mm
- Stulp: 67 mm · Flügel: 97 mm
- Montante mobile: 67 mm · Anta: 97 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 97 mm

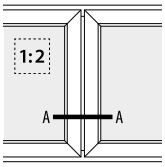


CL

SL
CL
RL

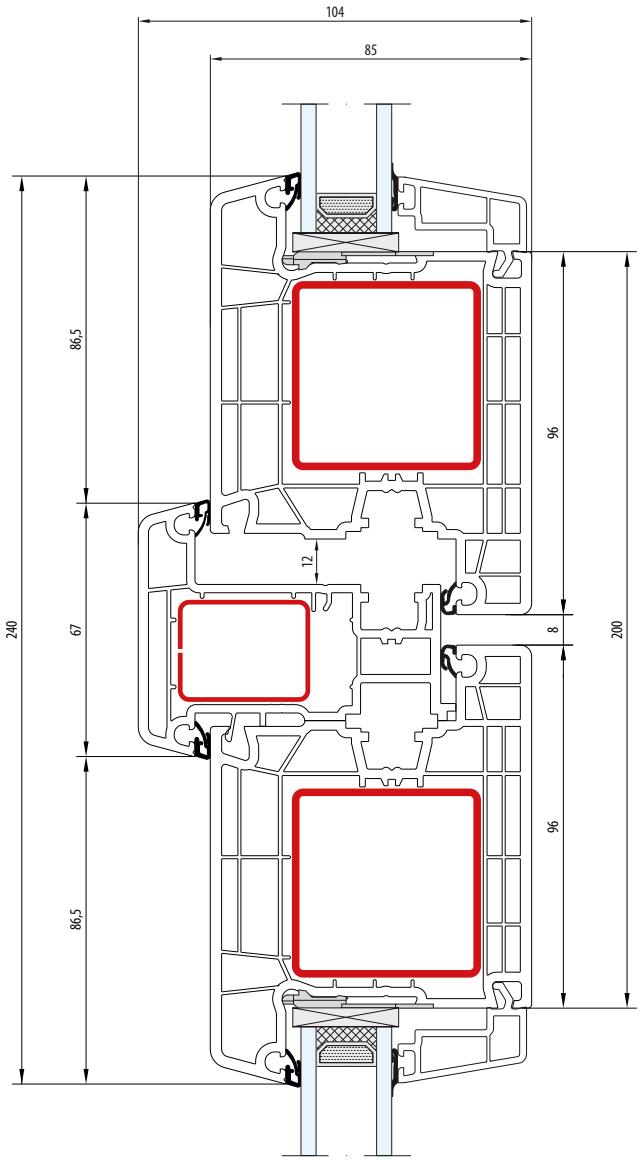



Słupek ruchomy: 67 mm · Skrzydło: 97 mm
Meneau mobile: 67 mm · Vantail: 97 mm
Movable post: 67 mm · Sash: 97 mm
Stulp: 67 mm · Flügel: 97 mm
Montante mobile: 67 mm · Anta: 97 mm
Verplaatsbare stijl: 67 mm · Vleugel: 97 mm

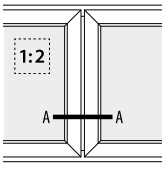


RL

SL CL RL

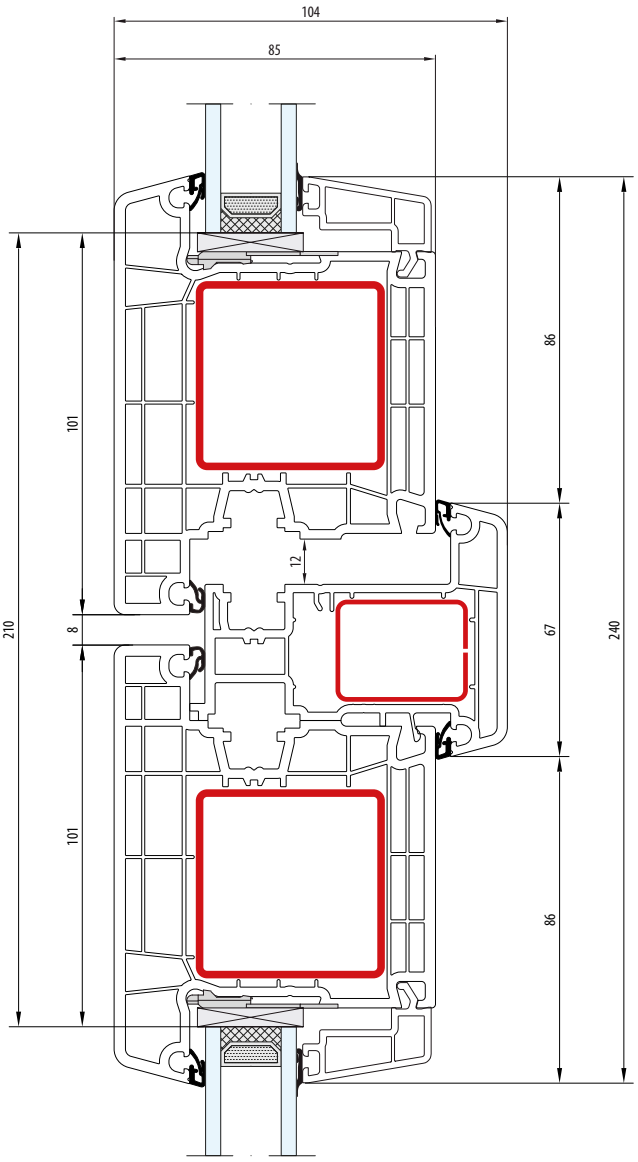



- Słupek ruchomy: 67 mm · Skrzydło: 116 mm
- Meneau mobile: 67 mm · Vantail: 116 mm
- Movable post: 67 mm · Sash: 116 mm
- Stulp: 67 mm · Flügel: 116 mm
- Montante mobile: 67 mm · Anta: 116 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 116 mm

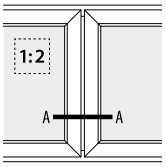


CL

SL
CL
RL

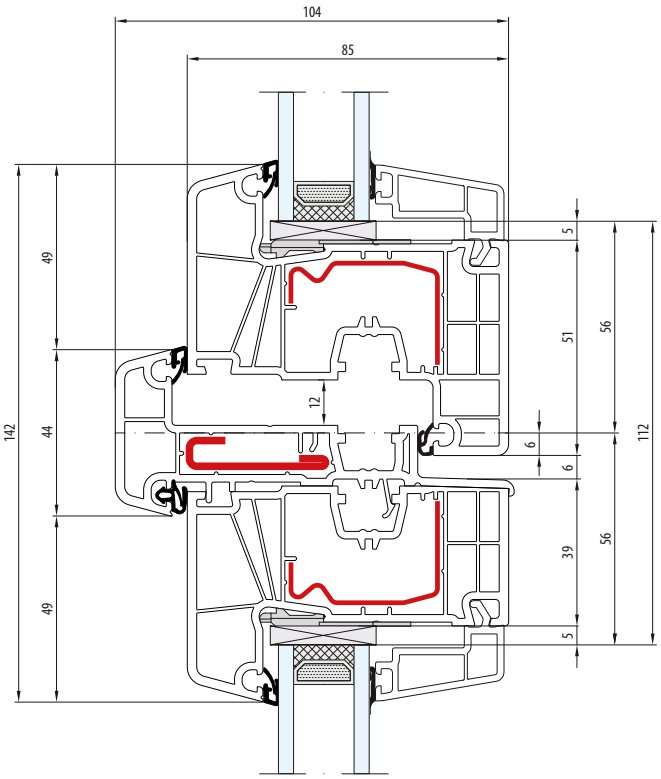



- Słupek ruchomy: 67 mm · Skrzydło: 116 mm
- Meneau mobile: 67 mm · Vantail: 116 mm
- Movable post: 67 mm · Sash: 116 mm
- Stulp: 67 mm · Flügel: 116 mm
- Montante mobile: 67 mm · Anta: 116 mm
- Verplaatsbare stijl: 67 mm · Vleugel: 116 mm

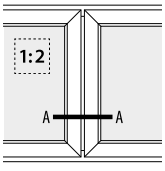


RL

SL
CL
RL

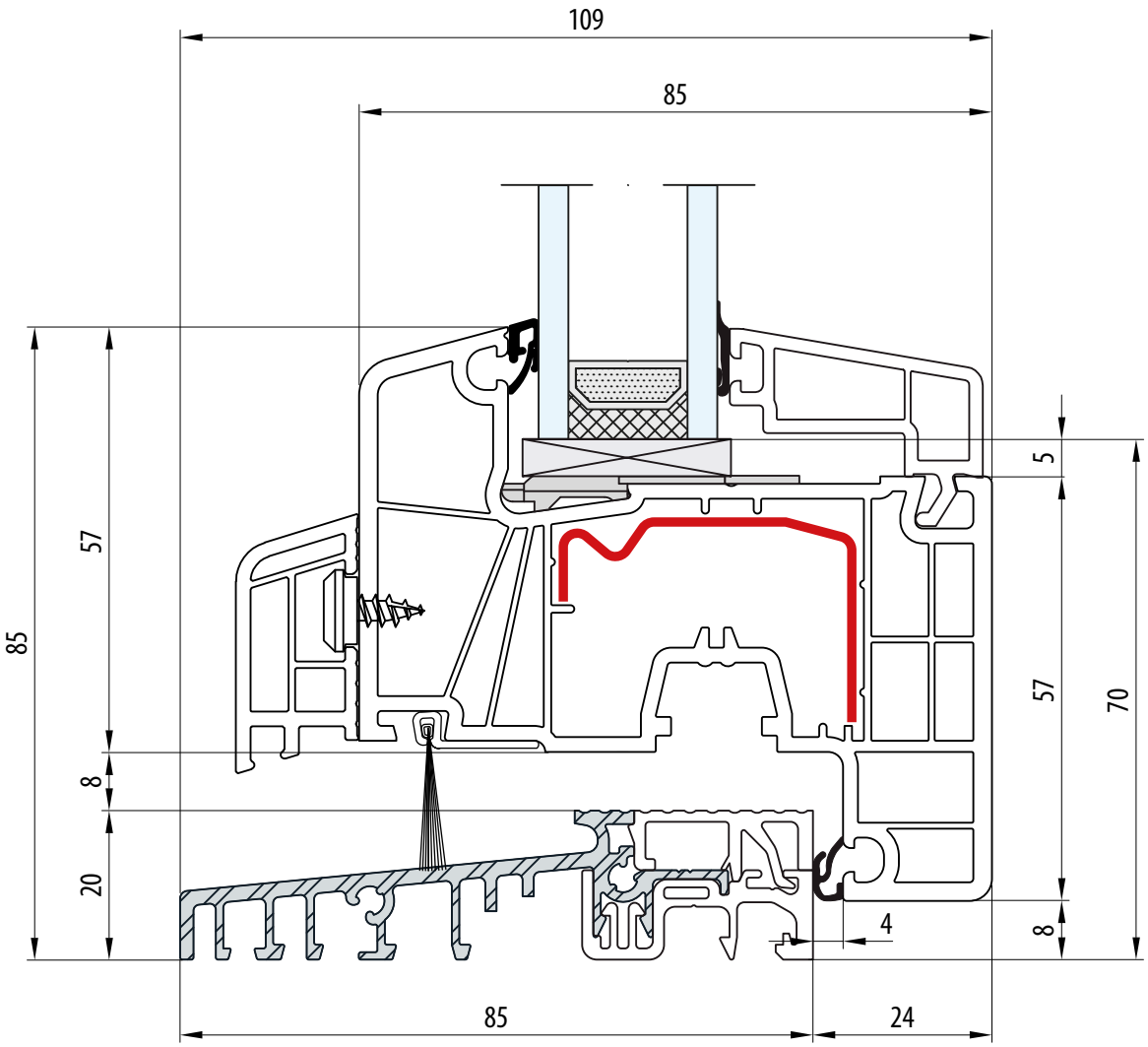



- Słupek ruchomy: 44 mm · Skrzydło: 77 mm
- Meneau mobile: 44 mm · Vantail: 77 mm
- Movable post: 44 mm · Sash: 77 mm
- Stulp: 44 mm · Flügel: 77 mm
- Montante mobile: 44 mm · Anta: 77 mm
- Verplaatsbare stijl: 44 mm · Vleugel: 77 mm

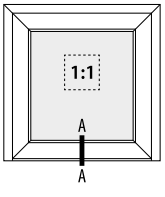


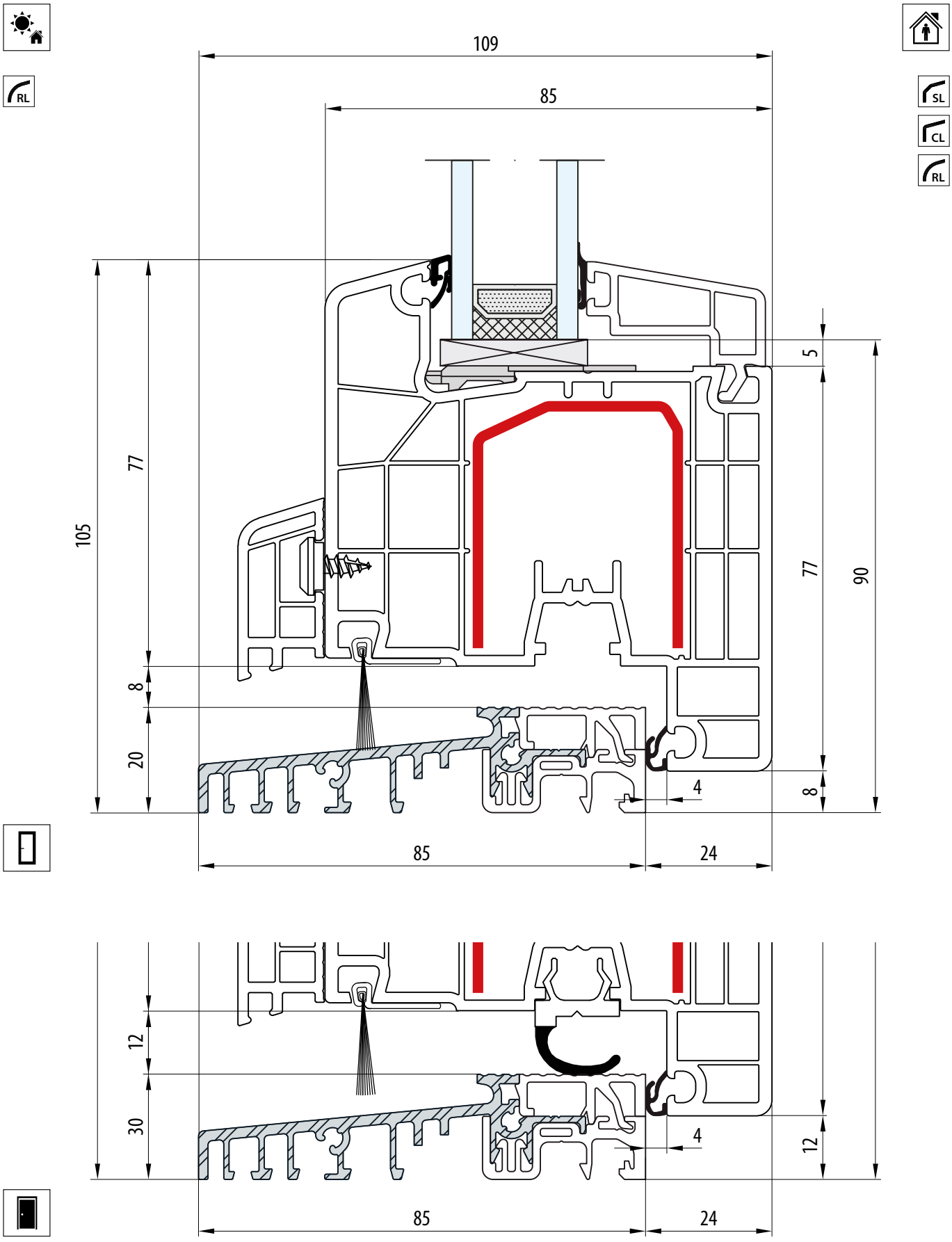
CL

SL
CL
RL

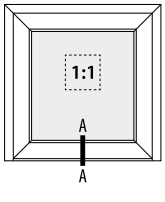



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm



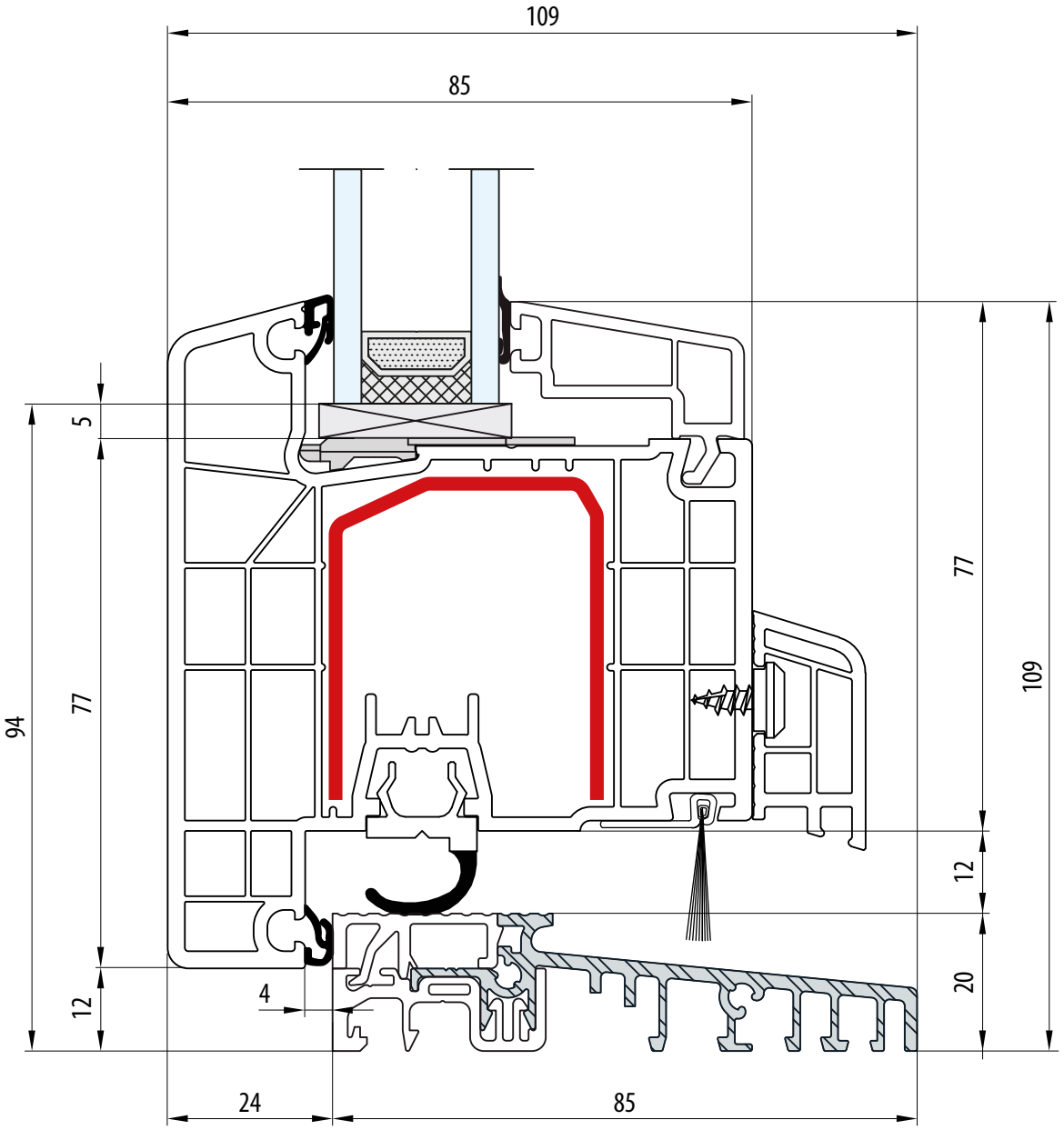



- Próg: 20 mm · Skrzydło: 97 mm
- Seuil: 20 mm · Vantail: 97 mm
- Threshold: 20 mm · Sash: 97 mm
- Schwelle: 20 mm · Flügel: 97 mm
- Soglia: 20 mm · Anta: 97 mm
- Dorpel: 20 mm · Vleugel: 97 mm

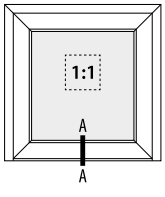


CL

SL
CL
RL



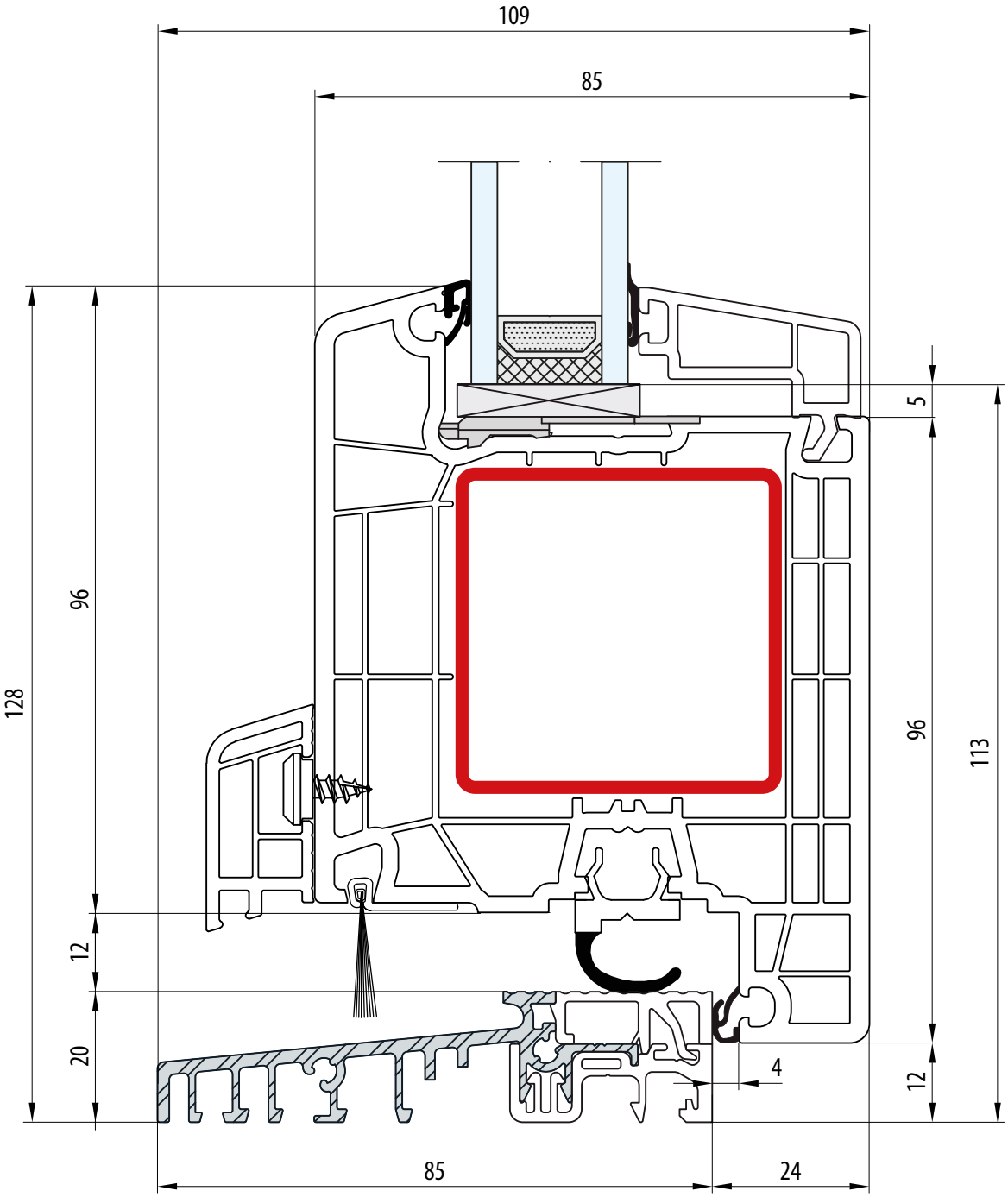

Próg: 20 mm · Skrzydło: 97 mm
Seuil: 20 mm · Vantail: 97 mm
Threshold: 20 mm · Sash: 97 mm
Schwelle: 20 mm · Flügel: 97 mm
Soglia: 20 mm · Anta: 97 mm
Dorpel: 20 mm · Vleugel: 97 mm





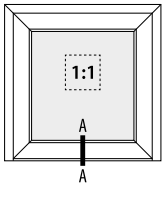




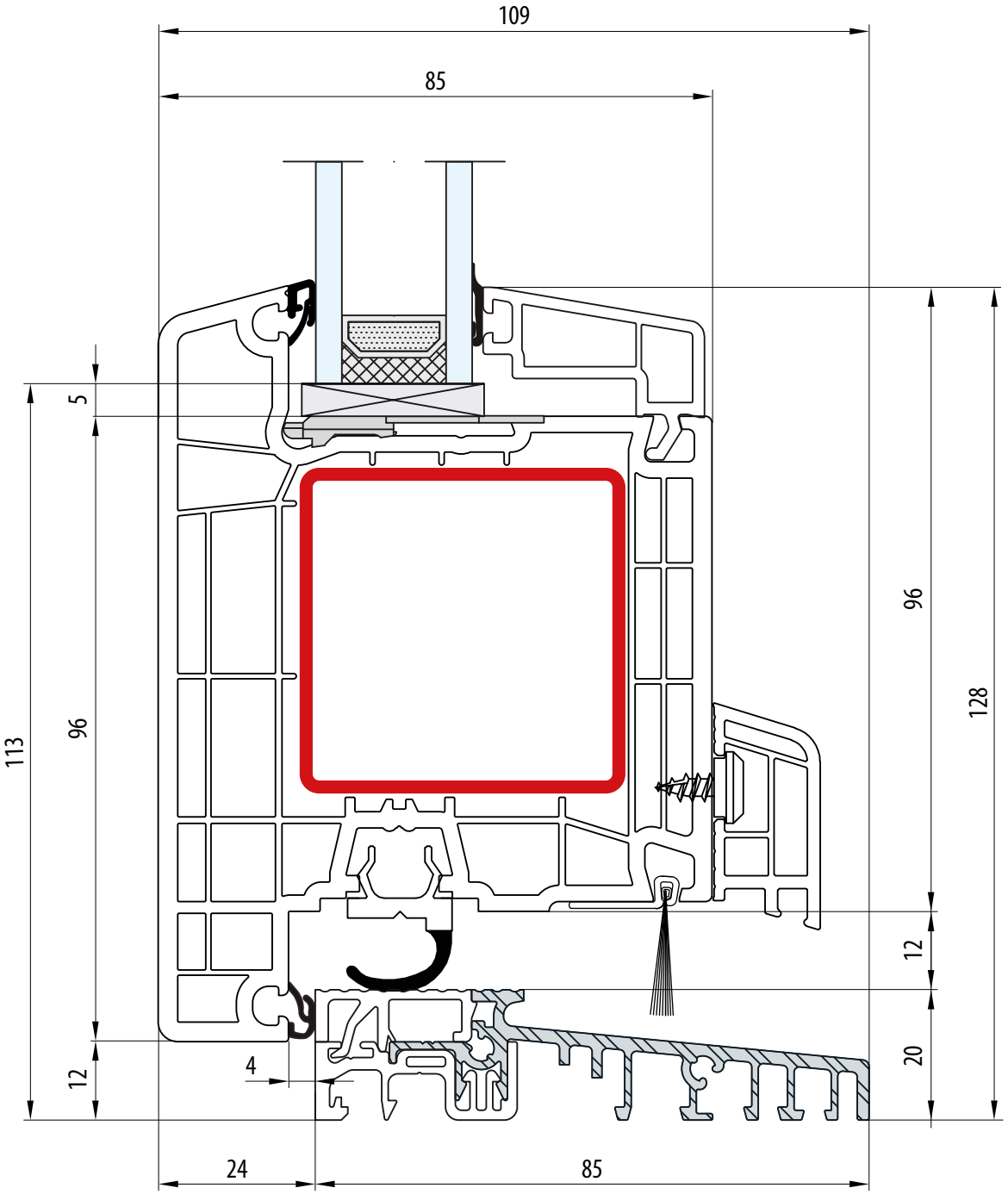



- Próg: 20 mm · Skrzydło: 116 mm
- Seuil: 20 mm · Vantail: 116 mm
- Threshold: 20 mm · Sash: 116 mm
- Schwelle: 20 mm · Flügel: 116 mm
- Soglia: 20 mm · Anta: 116 mm
- Dorpel: 20 mm · Vleugel: 116 mm

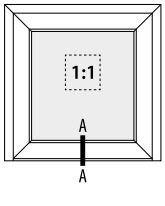


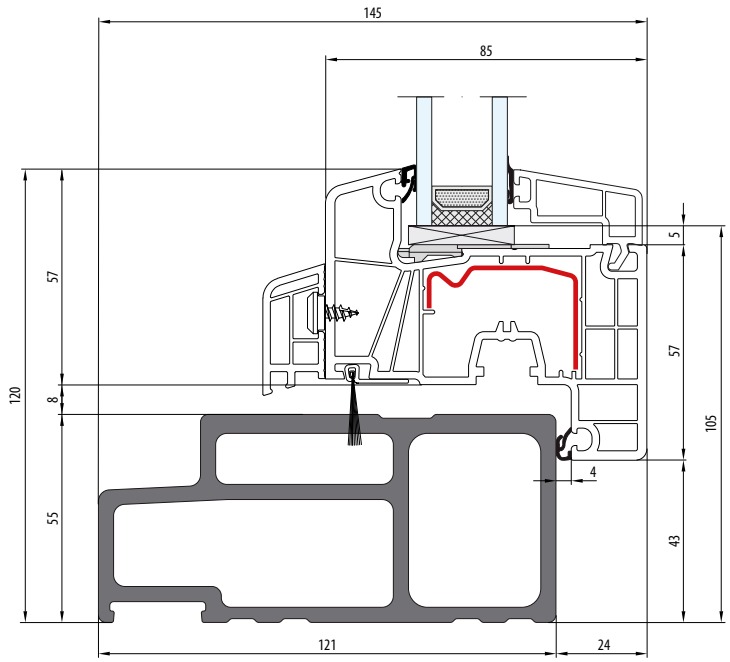
CL

SL
CL
RL

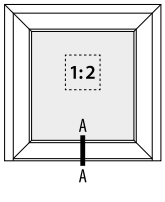



Próg: 20 mm · Skrzydło: 116 mm
Seuil: 20 mm · Vantail: 116 mm
Threshold: 20 mm · Sash: 116 mm
Schwelle: 20 mm · Flügel: 116 mm
Soglia: 20 mm · Anta: 116 mm
Dorpel: 20 mm · Vleugel: 116 mm



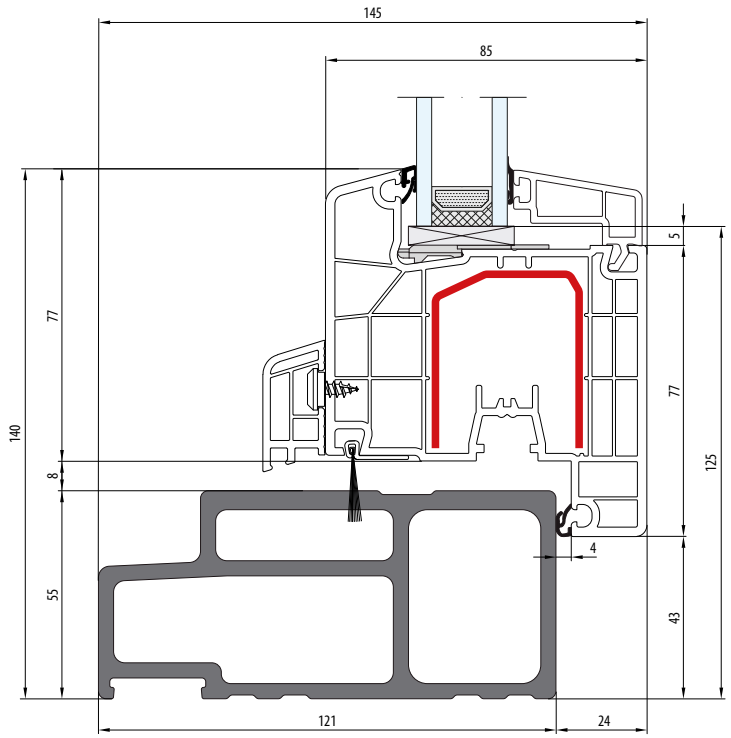


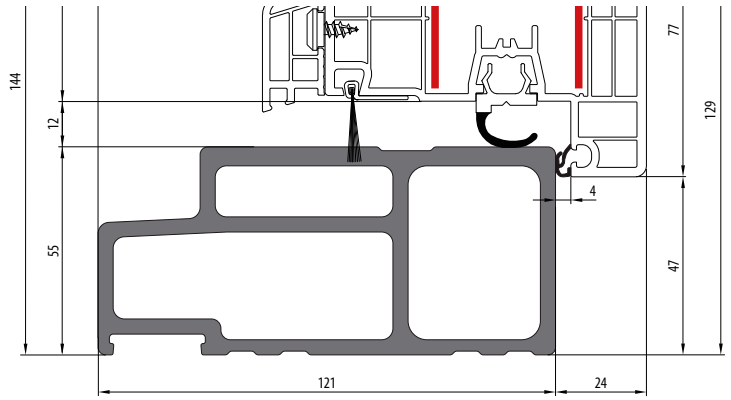

- Próg: 55 mm · Skrzydło: 77 mm
- Seuil: 55 mm · Vantail: 77 mm
- Threshold: 55 mm · Sash: 77 mm
- Schwelle: 55 mm · Flügel: 77 mm
- Soglia: 55 mm · Anta: 77 mm
- Dorpel: 55 mm · Vleugel: 77 mm



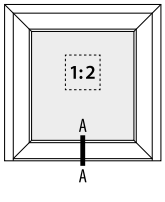
CL

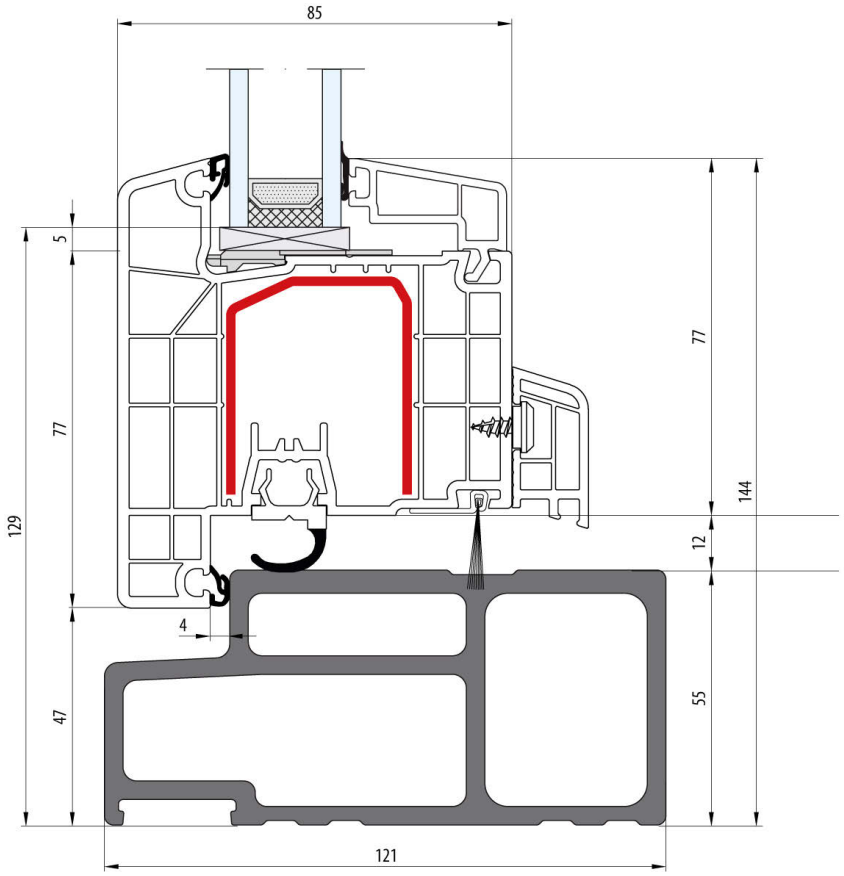
SL
CL
RL



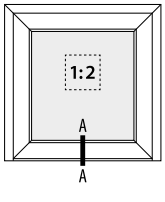




Próg: 55 mm · Skrzydło: 97 mm
Seuil: 55 mm · Vantail: 97 mm
Threshold: 55 mm · Sash: 97 mm
Schwelle: 55 mm · Flügel: 97 mm
Soglia: 55 mm · Anta: 97 mm
Dorpel: 55 mm · Vleugel: 97 mm



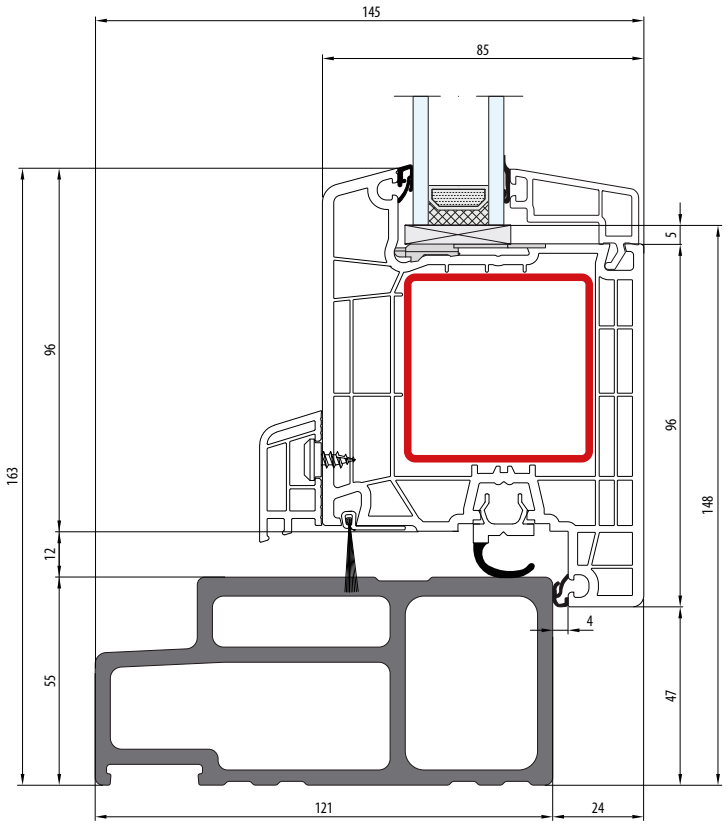



Próg: 55 mm · Skrzydło: 97 mm
Seuil: 55 mm · Vantail: 97 mm
Threshold: 55 mm · Sash: 97 mm
Schwelle: 55 mm · Flügel: 97 mm
Soglia: 55 mm · Anta: 97 mm
Dorpel: 55 mm · Vleugel: 97 mm

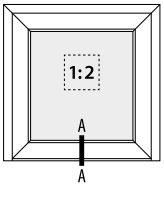


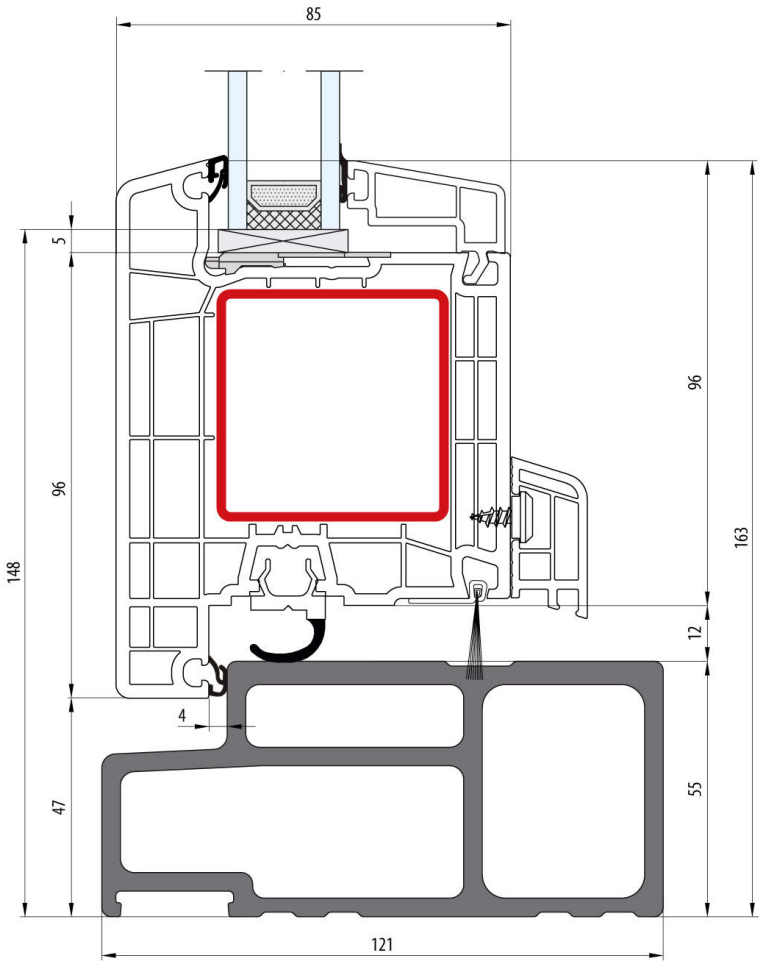
CL

SL
CL
RL

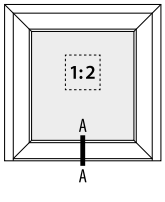



- Próg: 55 mm · Skrzydło: 116 mm
- Seuil: 55 mm · Vantail: 116 mm
- Threshold: 55 mm · Sash: 116 mm
- Schwelle: 55 mm · Flügel: 116 mm
- Soglia: 55 mm · Anta: 116 mm
- Dorpel: 55 mm · Vleugel: 116 mm



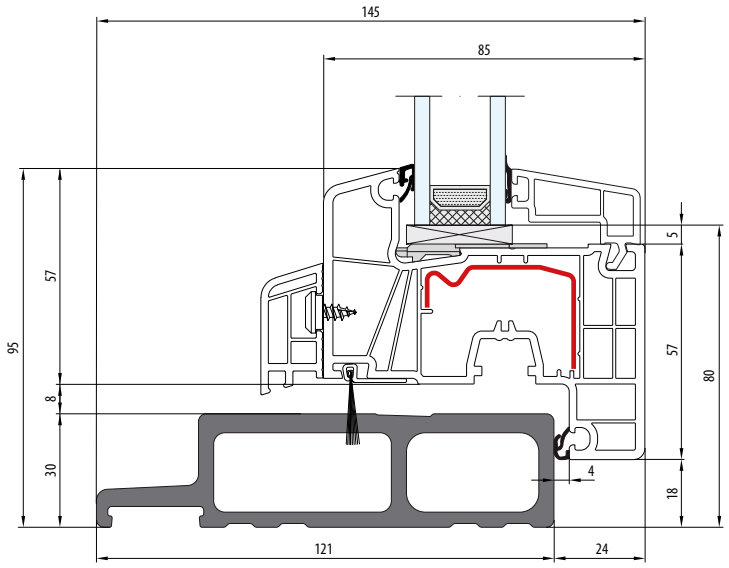



- Próg: 55 mm · Skrzydło: 116 mm
- Seuil: 55 mm · Vantail: 116 mm
- Threshold: 55 mm · Sash: 116 mm
- Schwelle: 55 mm · Flügel: 116 mm
- Soglia: 55 mm · Anta: 116 mm
- Dorpel: 55 mm · Vleugel: 116 mm

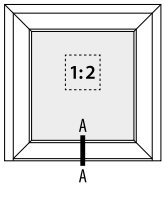


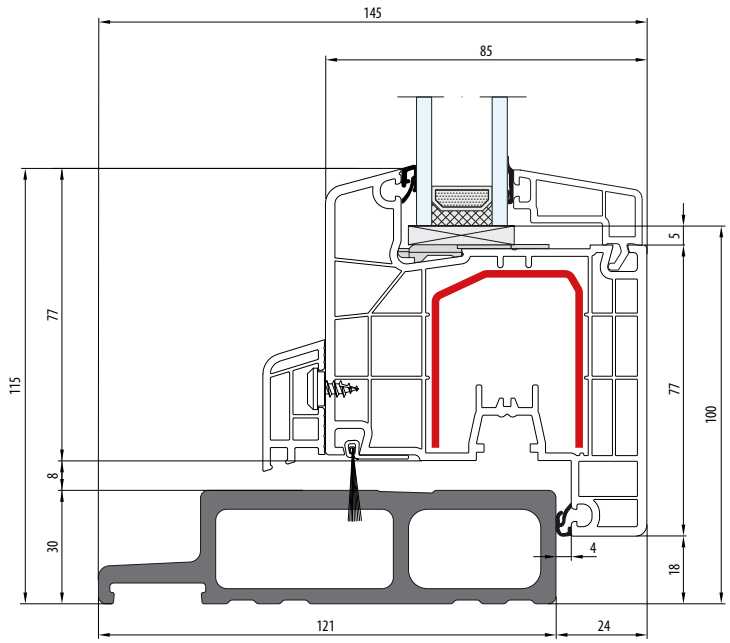
CL

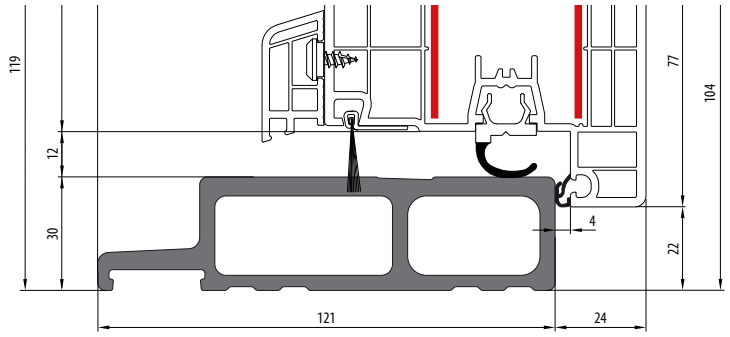
SL
CL
RL



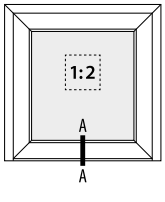

Próg: 30 mm · Skrzydło: 77 mm
Seuil: 30 mm · Vantail: 77 mm
Threshold: 30 mm · Sash: 77 mm
Schwelle: 30 mm · Flügel: 77 mm
Soglia: 30 mm · Anta: 77 mm
Dorpel: 30 mm · Vleugel: 77 mm





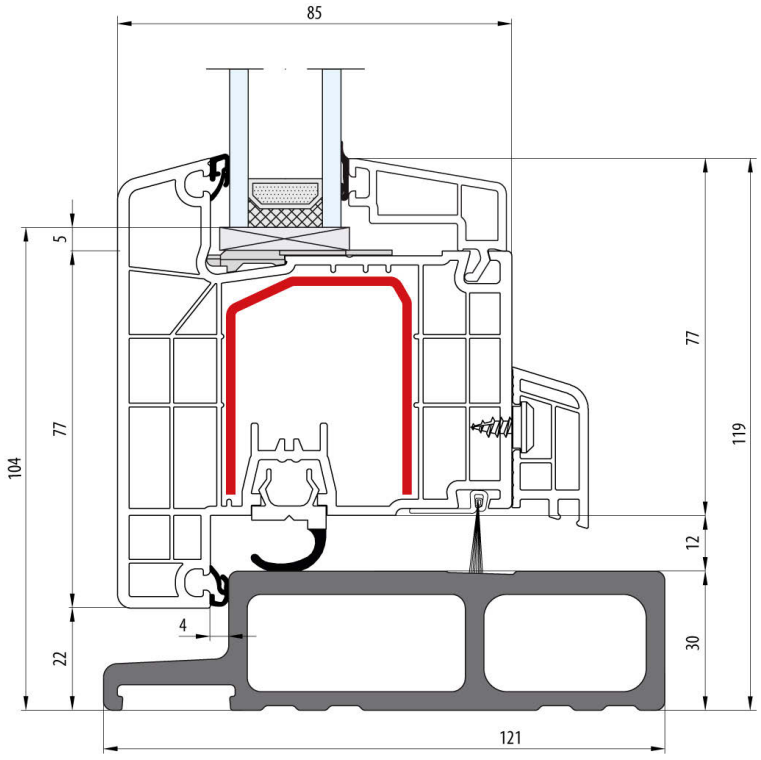




- Próg: 30 mm · Skrzydło: 97 mm
- Seuil: 30 mm · Vantail: 97 mm
- Threshold: 30 mm · Sash: 97 mm
- Schwelle: 30 mm · Flügel: 97 mm
- Soglia: 30 mm · Anta: 97 mm
- Dorpel: 30 mm · Vleugel: 97 mm

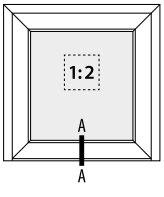


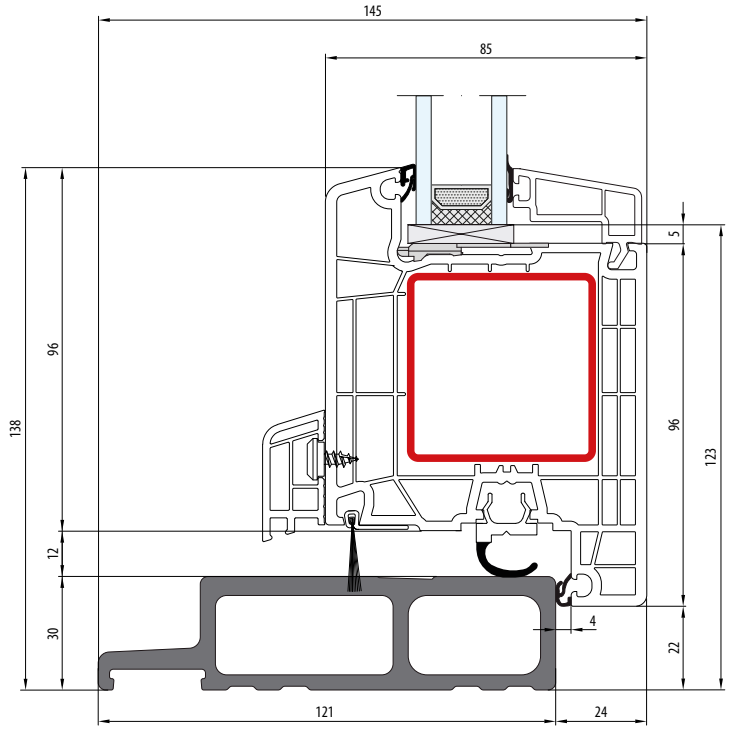
CL

SL
CL
RL

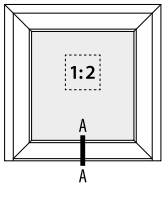



Próg: 30 mm · Skrzydło: 97 mm
Seuil: 30 mm · Vantail: 97 mm
Threshold: 30 mm · Sash: 97 mm
Schwelle: 30 mm · Flügel: 97 mm
Soglia: 30 mm · Anta: 97 mm
Dorpel: 30 mm · Vleugel: 97 mm



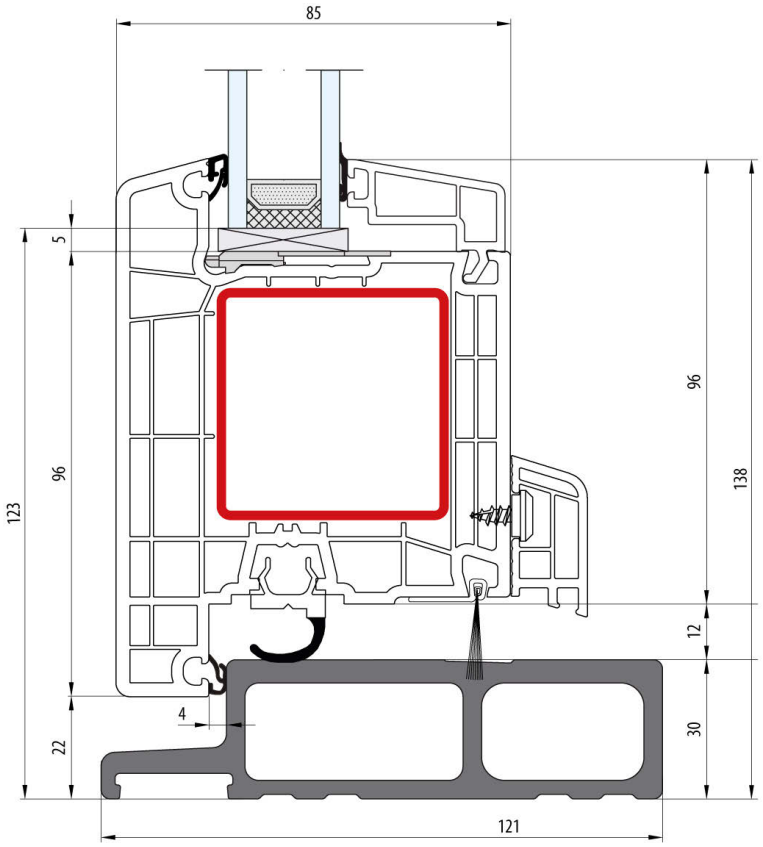



- Próg: 30 mm · Skrzydło: 116 mm
- Seuil: 30 mm · Vantail: 116 mm
- Threshold: 30 mm · Sash: 116 mm
- Schwelle: 30 mm · Flügel: 116 mm
- Soglia: 30 mm · Anta: 116 mm
- Dorpel: 30 mm · Vleugel: 116 mm

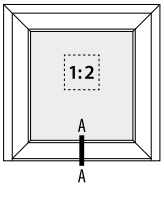


CL

SL
CL
RL




Próg: 30 mm · Skrzydło: 116 mm
Seuil: 30 mm · Vantail: 116 mm
Threshold: 30 mm · Sash: 116 mm
Schwelle: 30 mm · Flügel: 116 mm
Soglia: 30 mm · Anta: 116 mm
Dorpel: 30 mm · Vleugel: 116 mm

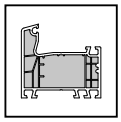




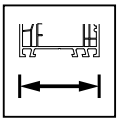


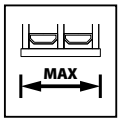
# IDEAL 8000



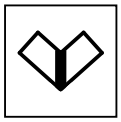

6


3


85



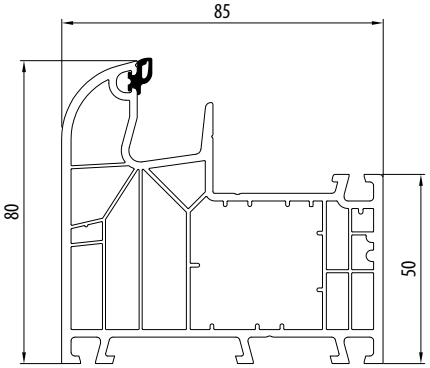
52



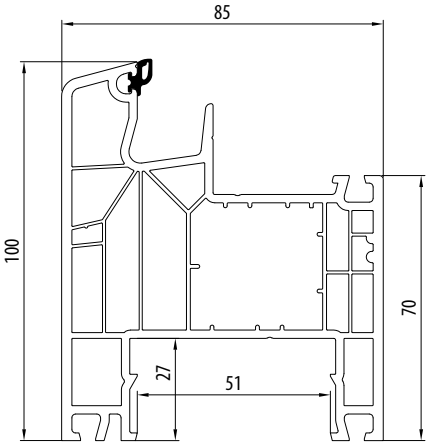



ALU

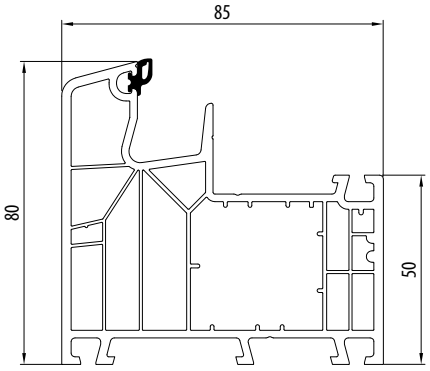




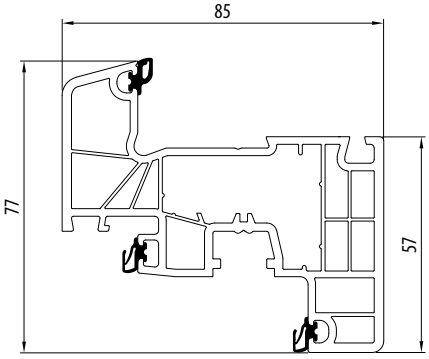

RL 180x03



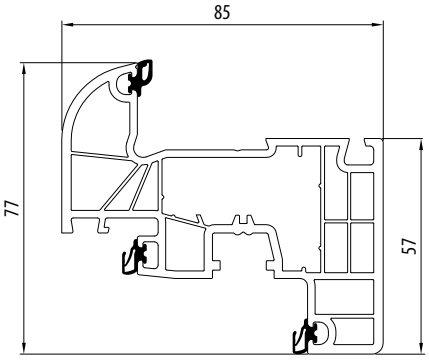

CL ALU 180x04



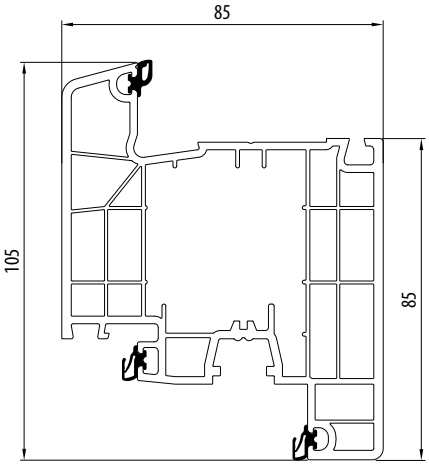

CL ALU 180x05



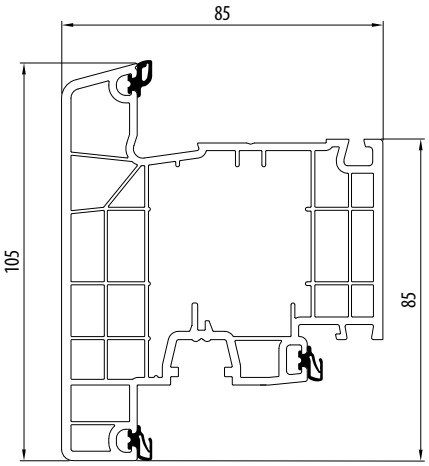

CL 180x20




RL 180x22

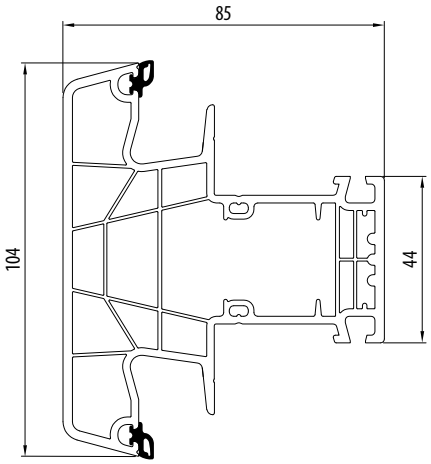



CL ALU 180x30

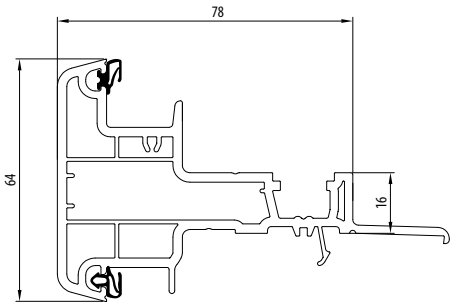



CL 180x31

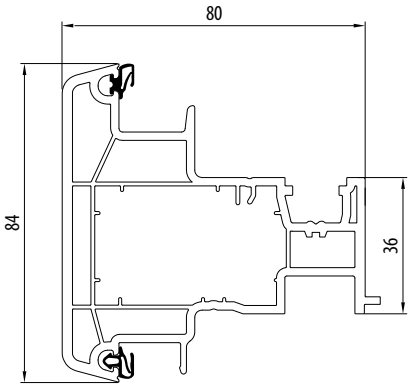
1:2



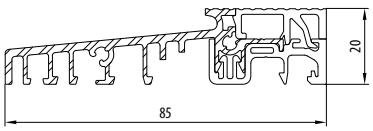

CL ALU 180x44




CL ALU 180x64




CL ALU 180x66

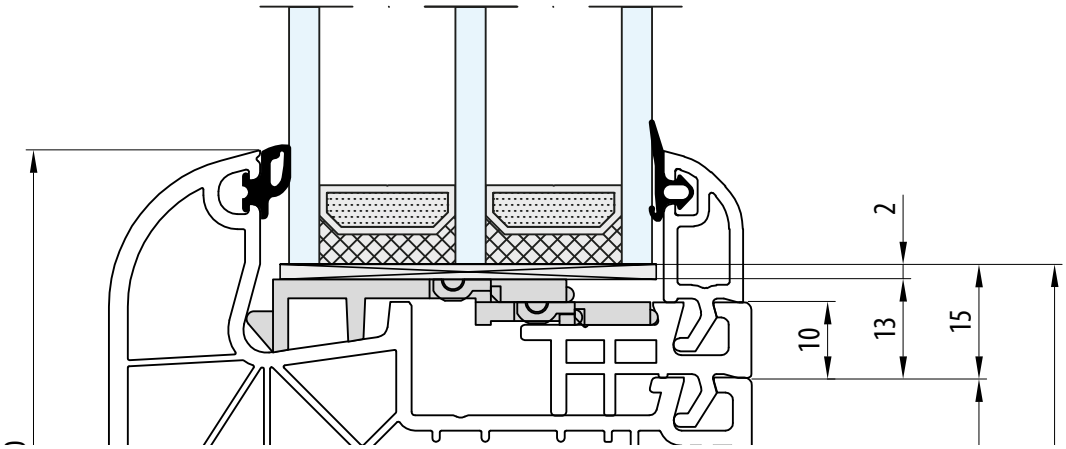


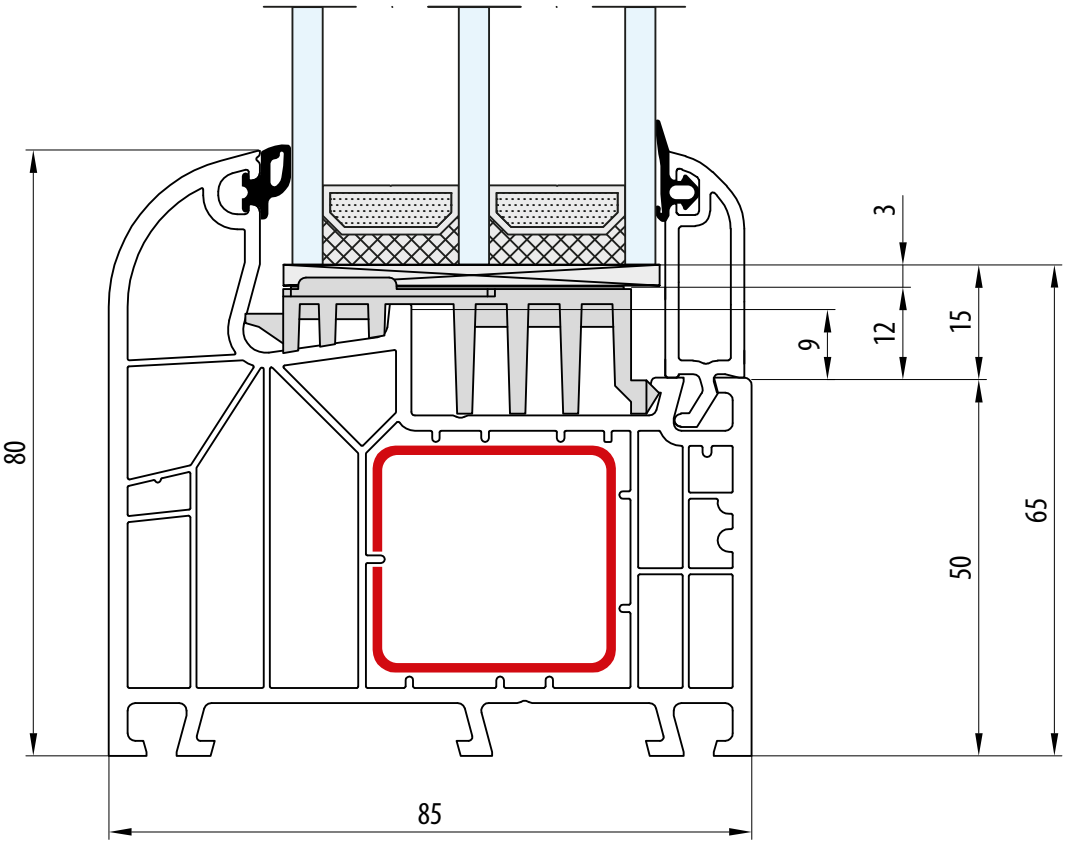

alu - 20 mm

1:2

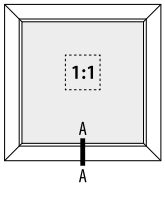
RL

SL
CL
RL



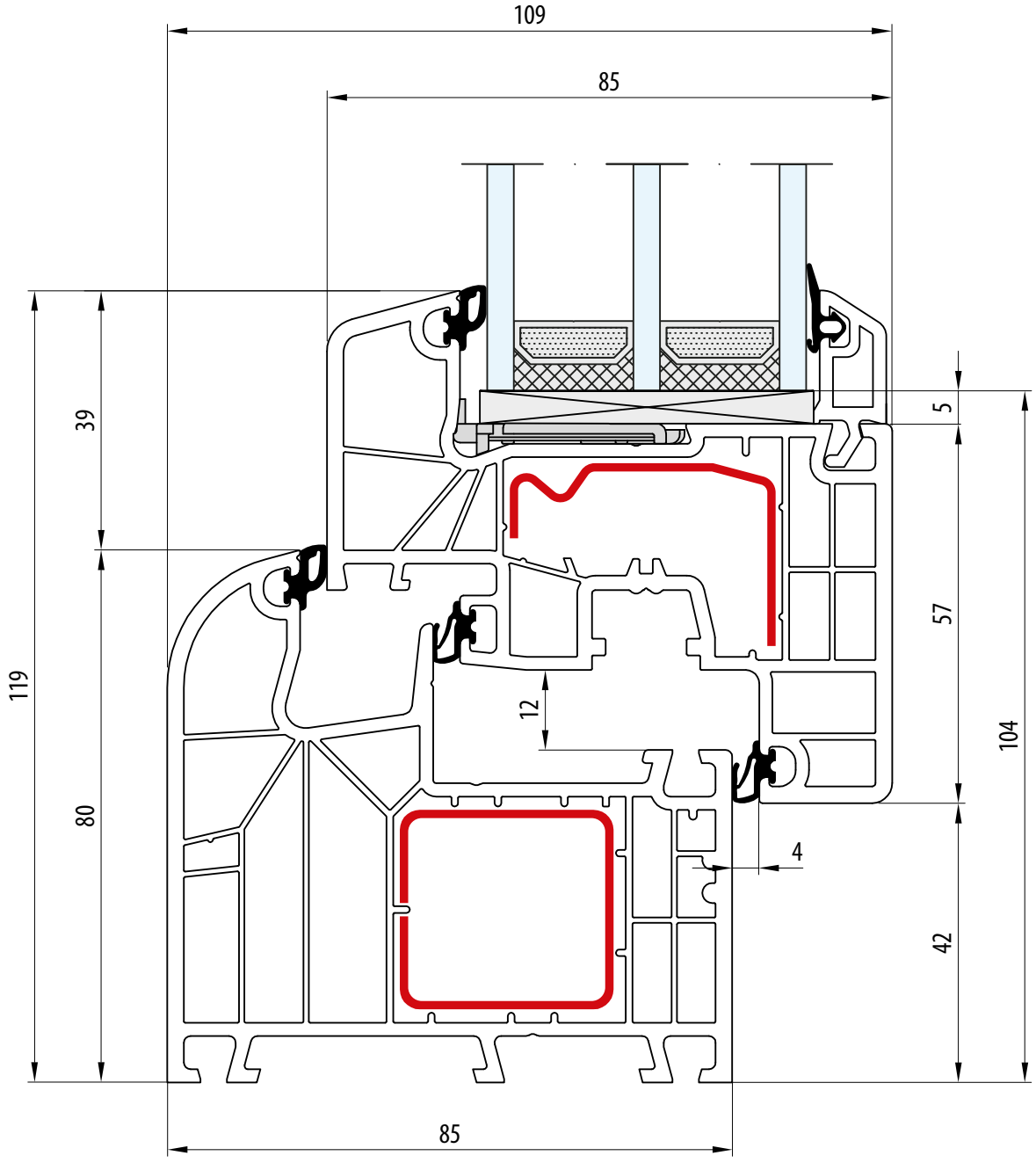




Rama: 80 mm
Dormant: 80 mm
Frame: 80 mm
Rahmen: 80 mm
Telaio: 80 mm
Kader : 80 mm

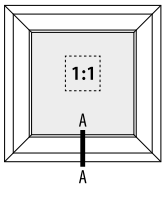


CL

SL CL RL

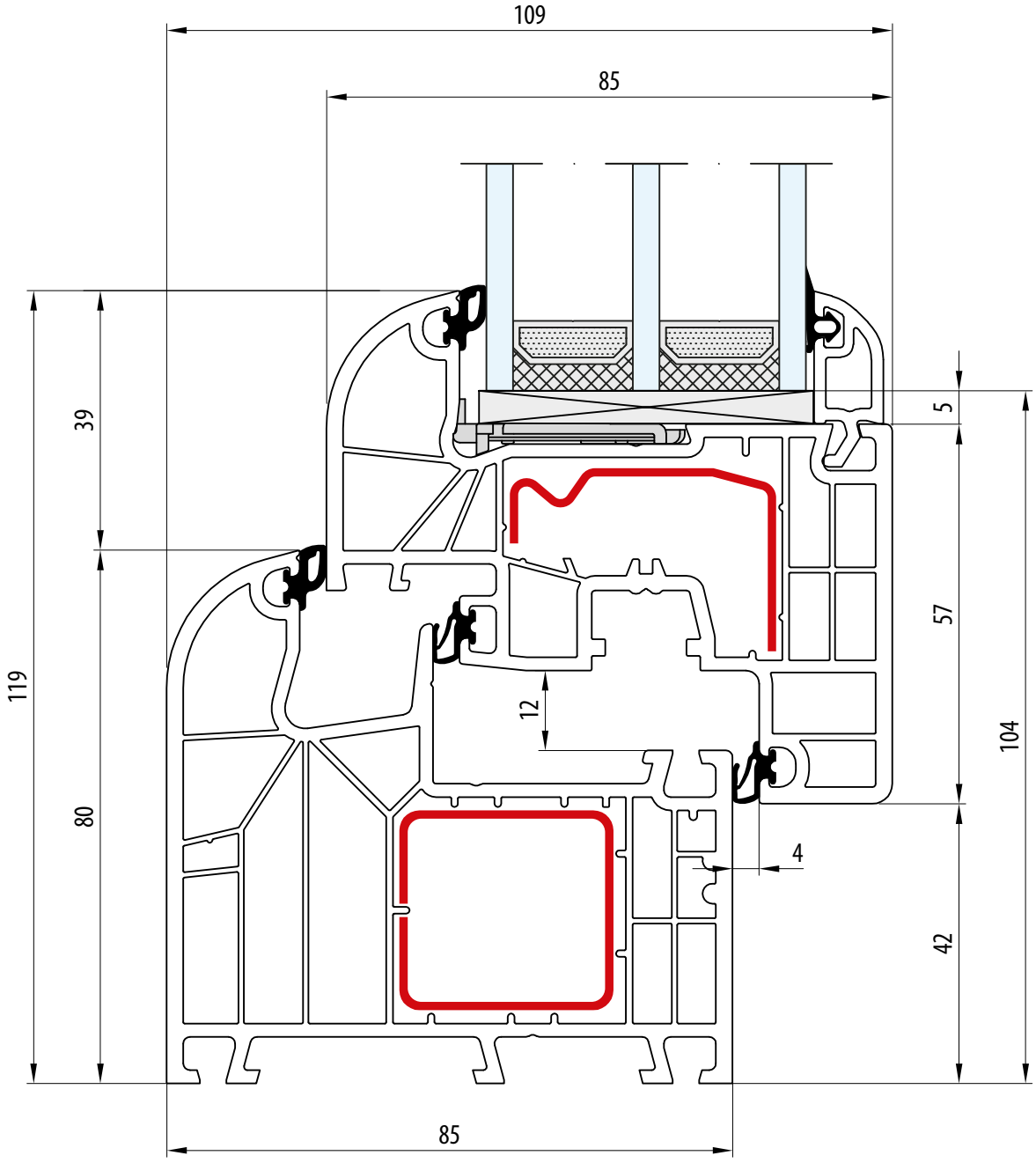



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm

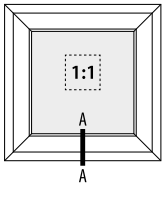


RL

SL
CL
RL

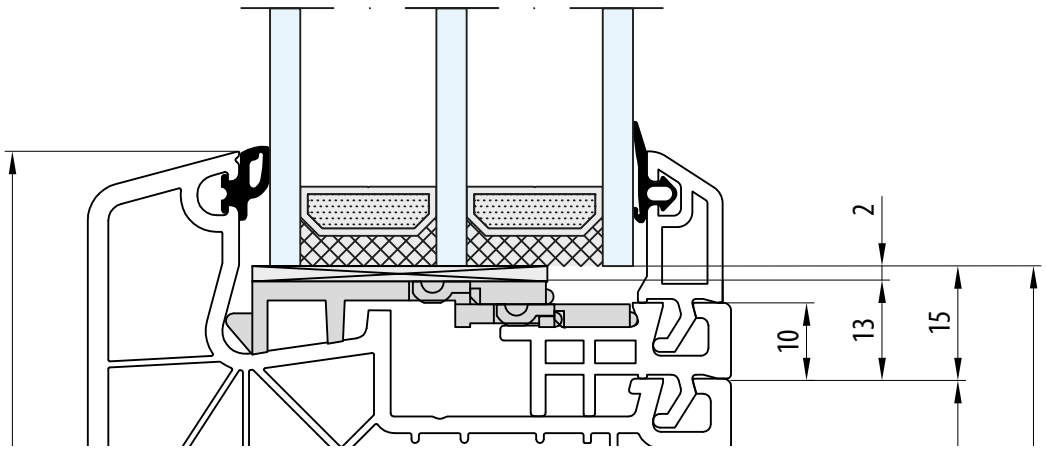


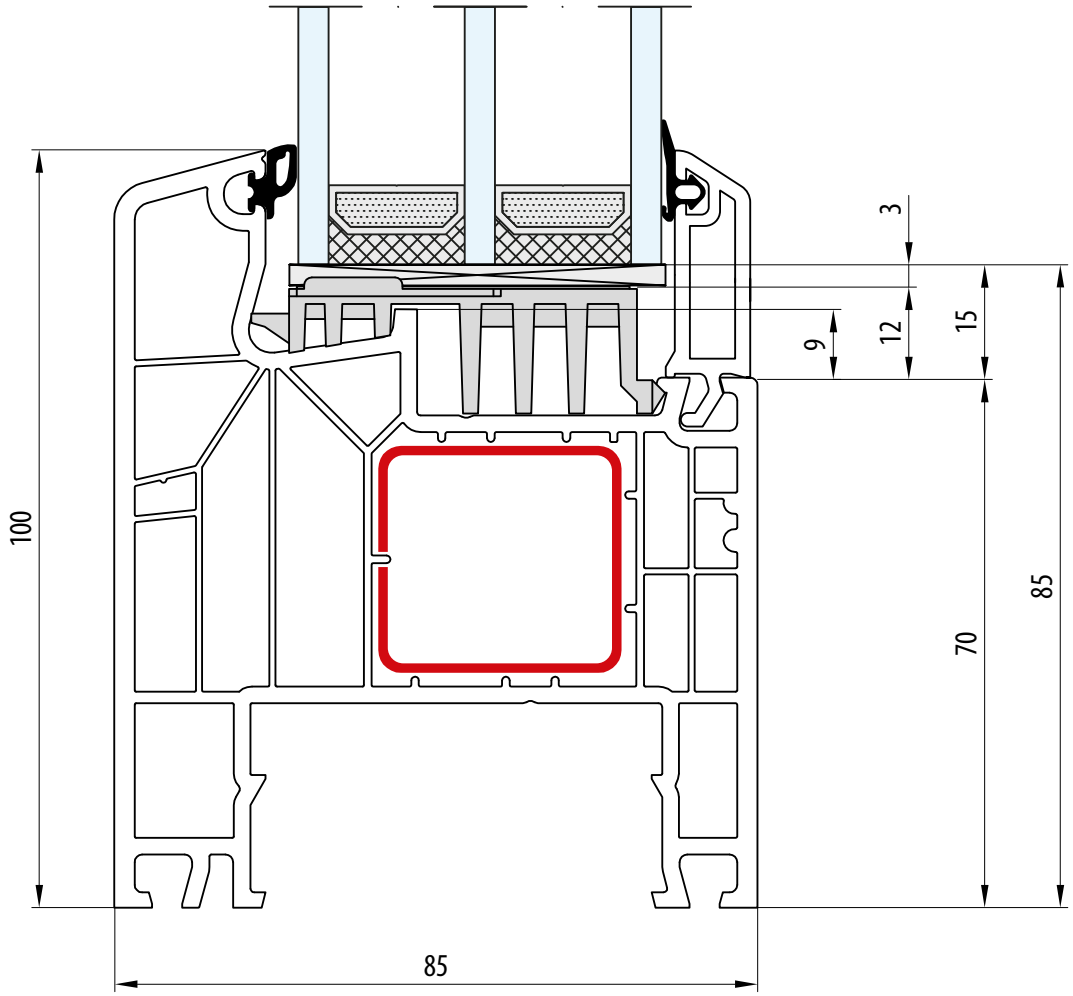

Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm



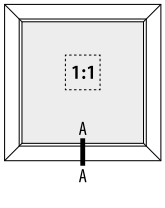
CL

SL
CL
RL



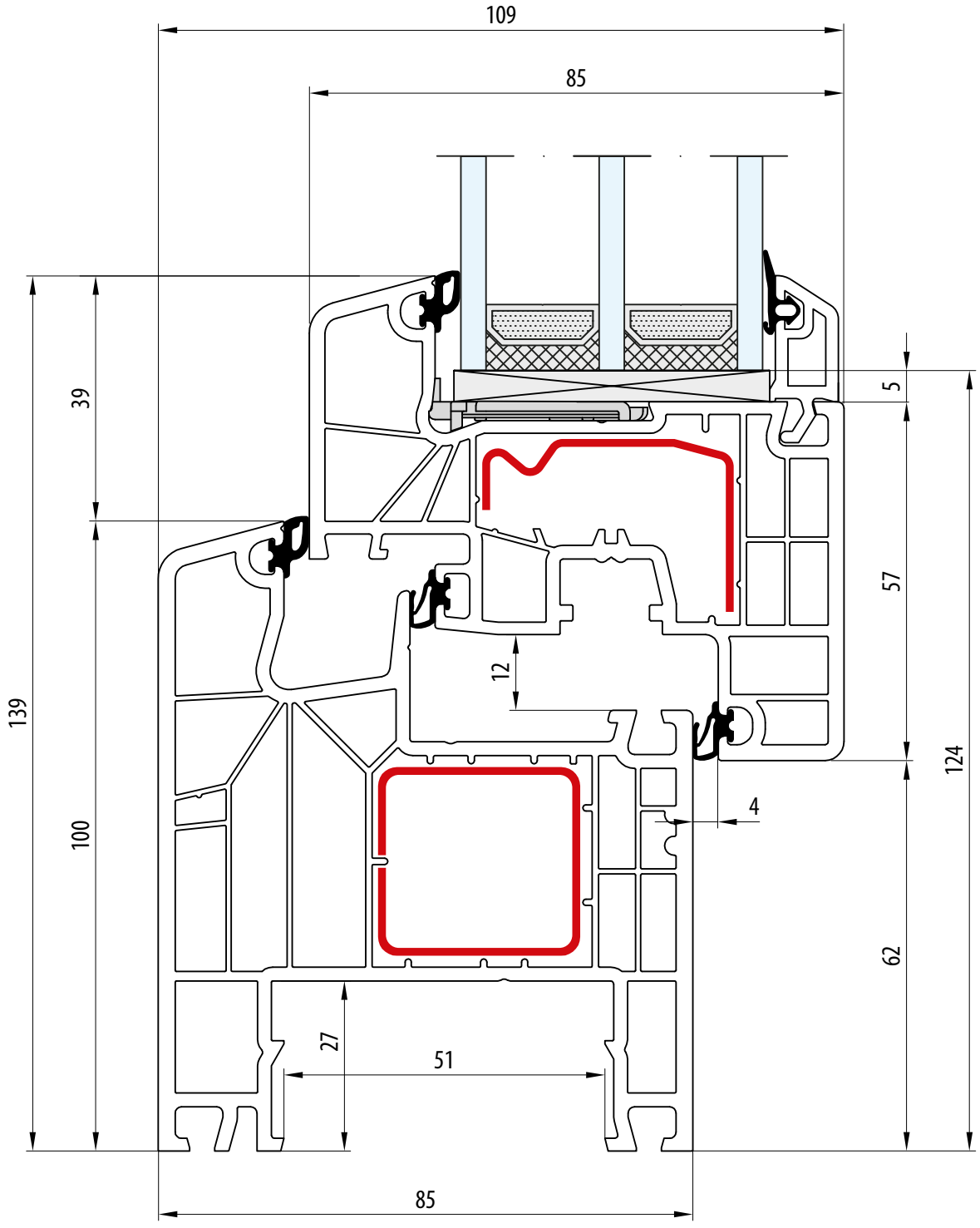




- Rama: 100 mm
- Dormant: 100 mm
- Frame: 100 mm
- Rahmen: 100 mm
- Telaio: 100 mm
- Kader: 100 mm

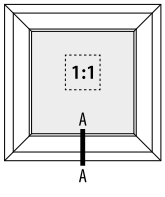


CL

SL
CL
RL

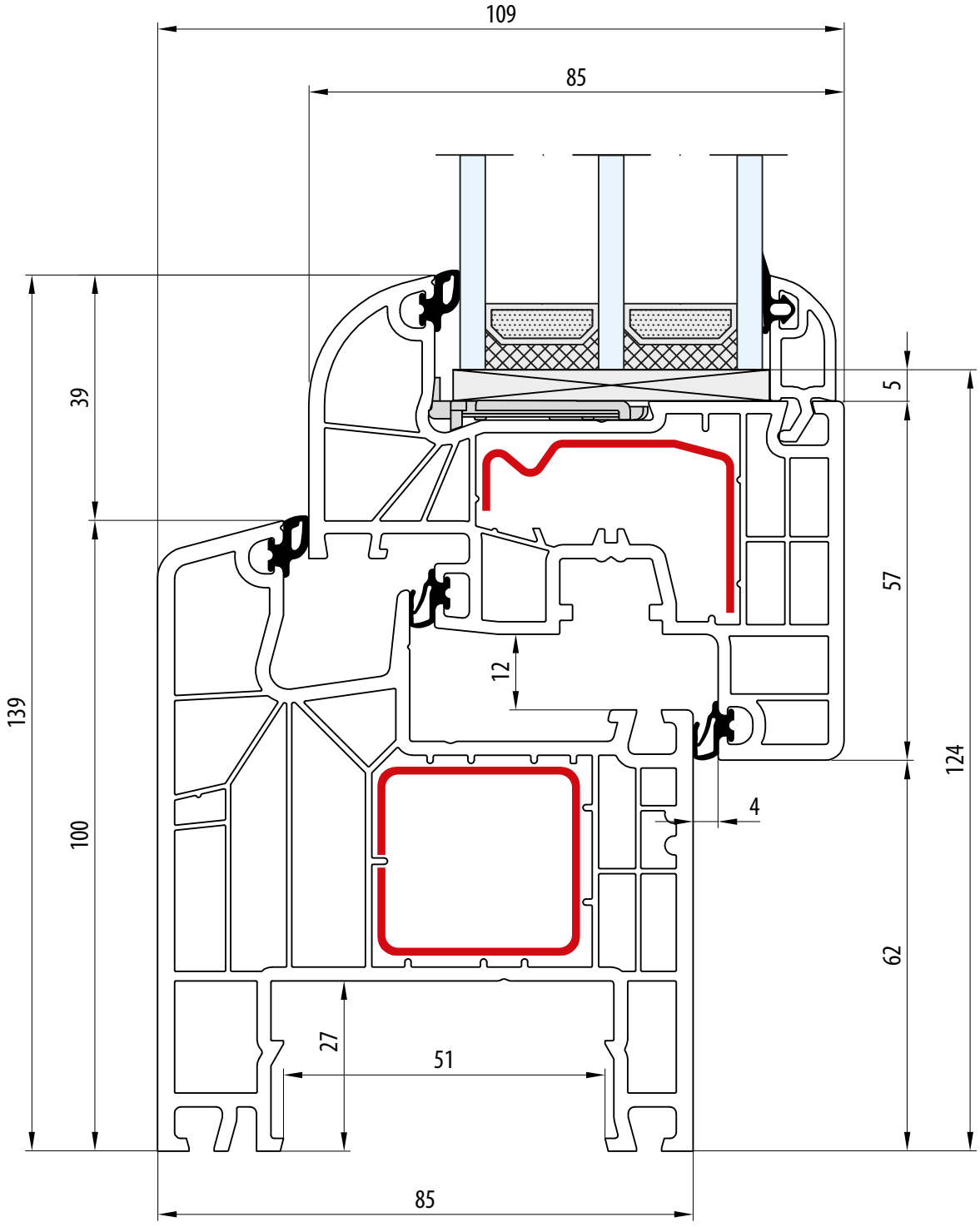



Rama: 100 mm · Skrzydło: 77 mm
Dormant: 100 mm · Vantail: 77 mm
Frame: 100 mm · Sash: 77 mm
Rahmen: 100 mm · Flügel: 77 mm
Telaio: 100 mm · Anta: 77 mm
Kader: 100 mm · Vleugel: 77 mm

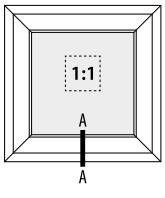


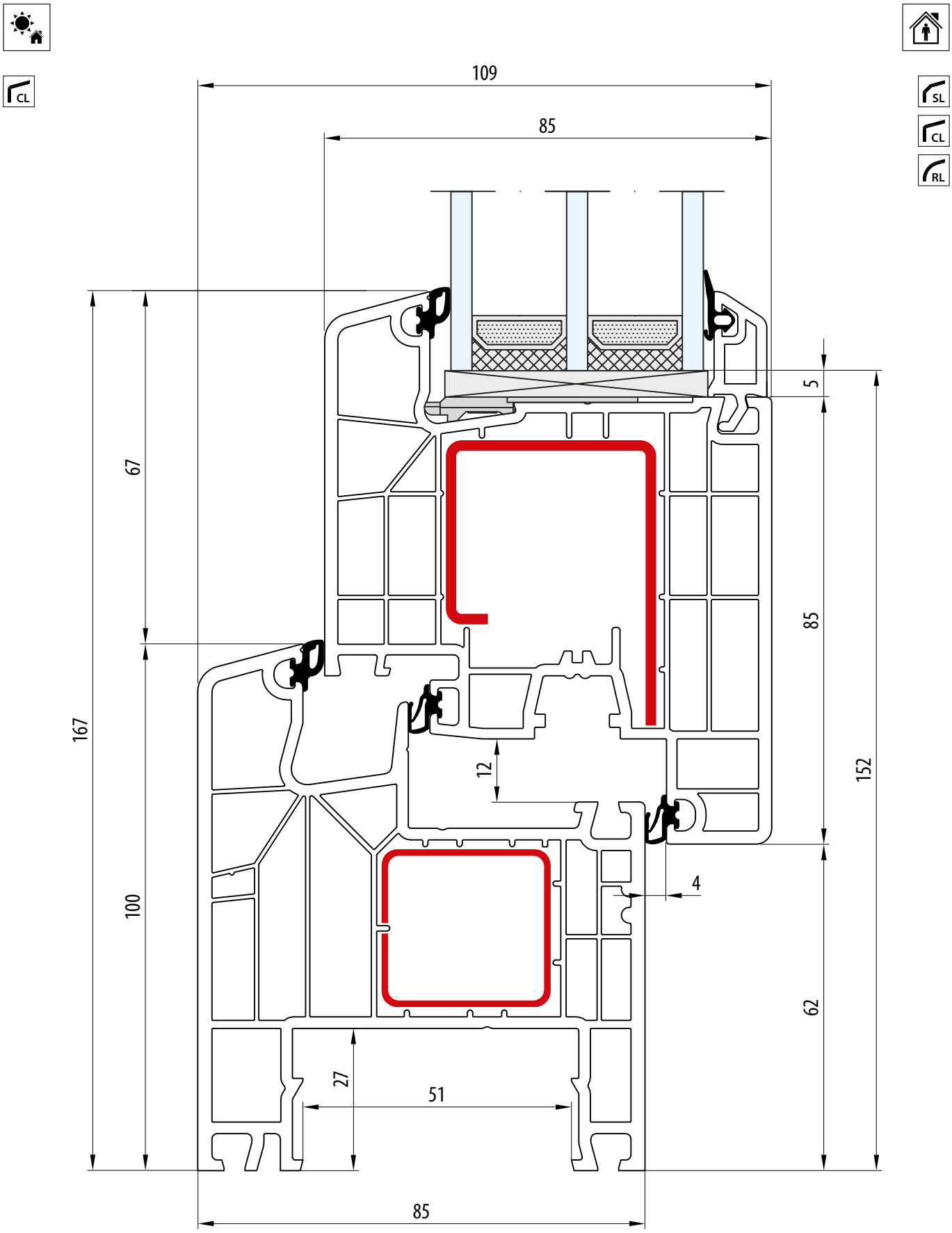
RL

SL CL RL

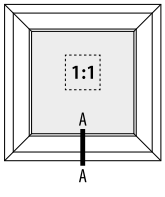


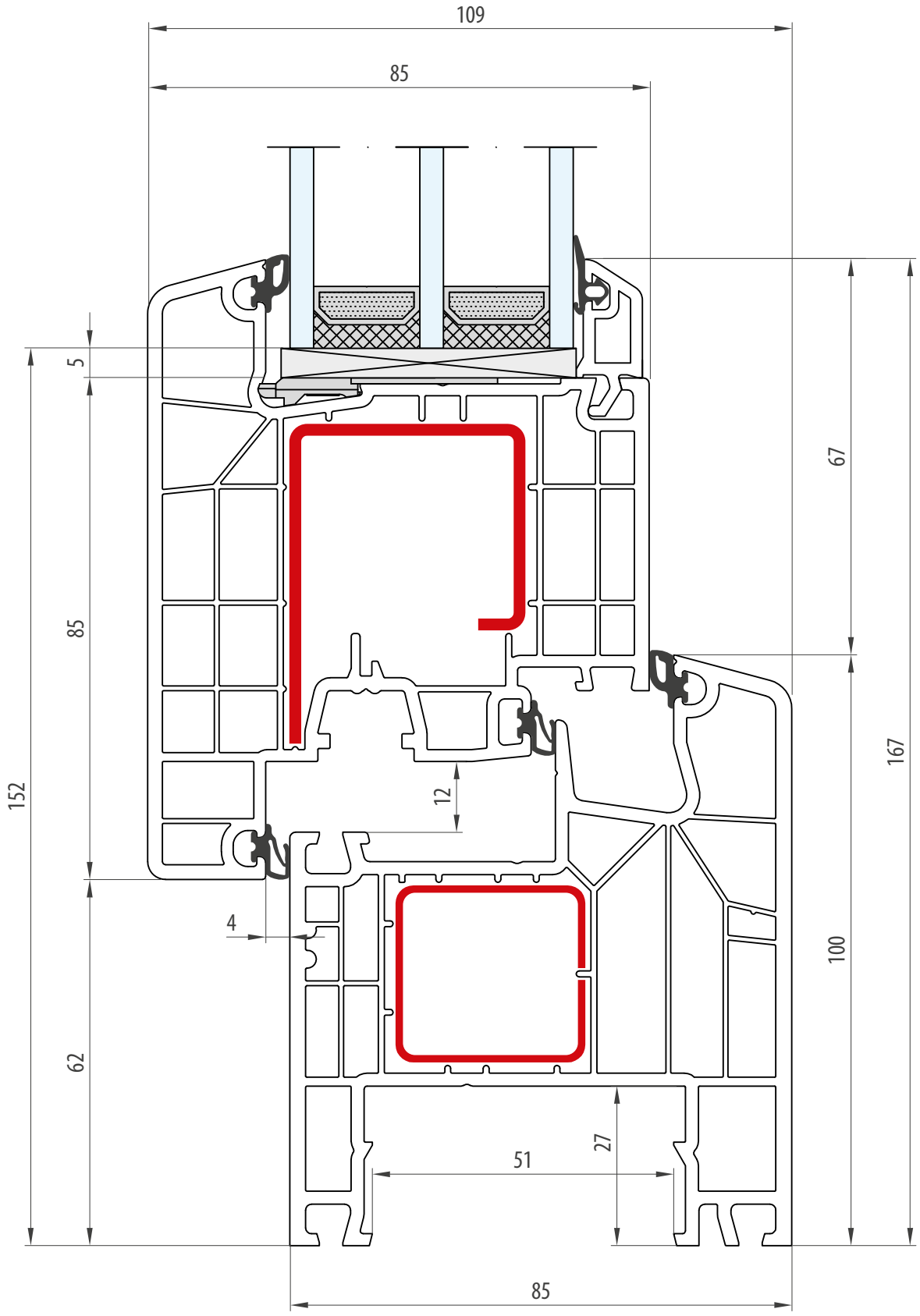

- Rama: 100 mm · Skrzydło: 77 mm
- Dormant: 100 mm · Vantail: 77 mm
- Frame: 100 mm · Sash: 77 mm
- Rahmen: 100 mm · Flügel: 77 mm
- Telaio: 100 mm · Anta: 77 mm
- Kader: 100 mm · Vleugel: 77 mm



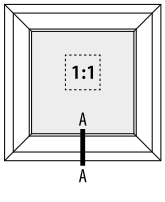



Rama: 100 mm · Skrzydło: 105 mm
Dormant: 100 mm · Vantail: 105 mm
Frame: 100 mm · Sash: 105 mm
Rahmen: 100 mm · Flügel: 105 mm
Telaio: 100 mm · Anta: 105 mm
Kader: 100 mm · Vleugel: 105 mm



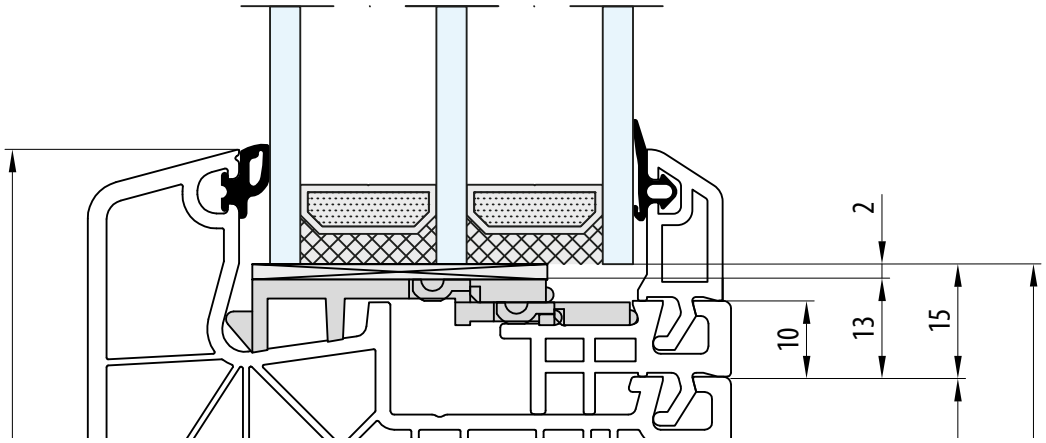


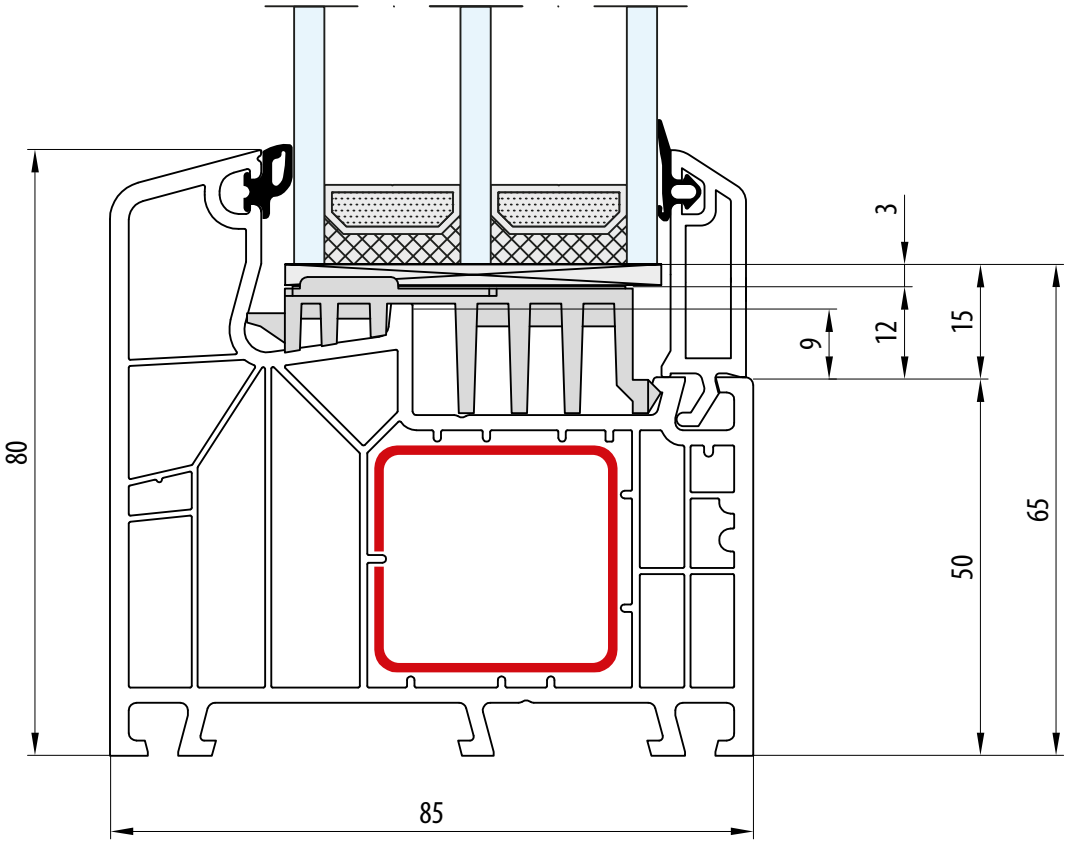

- Rama: 100 mm · Skrzydło: 105 mm
- Dormant: 100 mm · Vantail: 105 mm
- Frame: 100 mm · Sash: 105 mm
- Rahmen: 100 mm · Flügel: 105 mm
- Telaio: 100 mm · Anta: 105 mm
- Kader: 100 mm · Vleugel: 105 mm



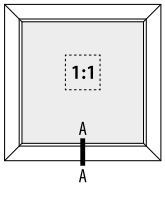
CL

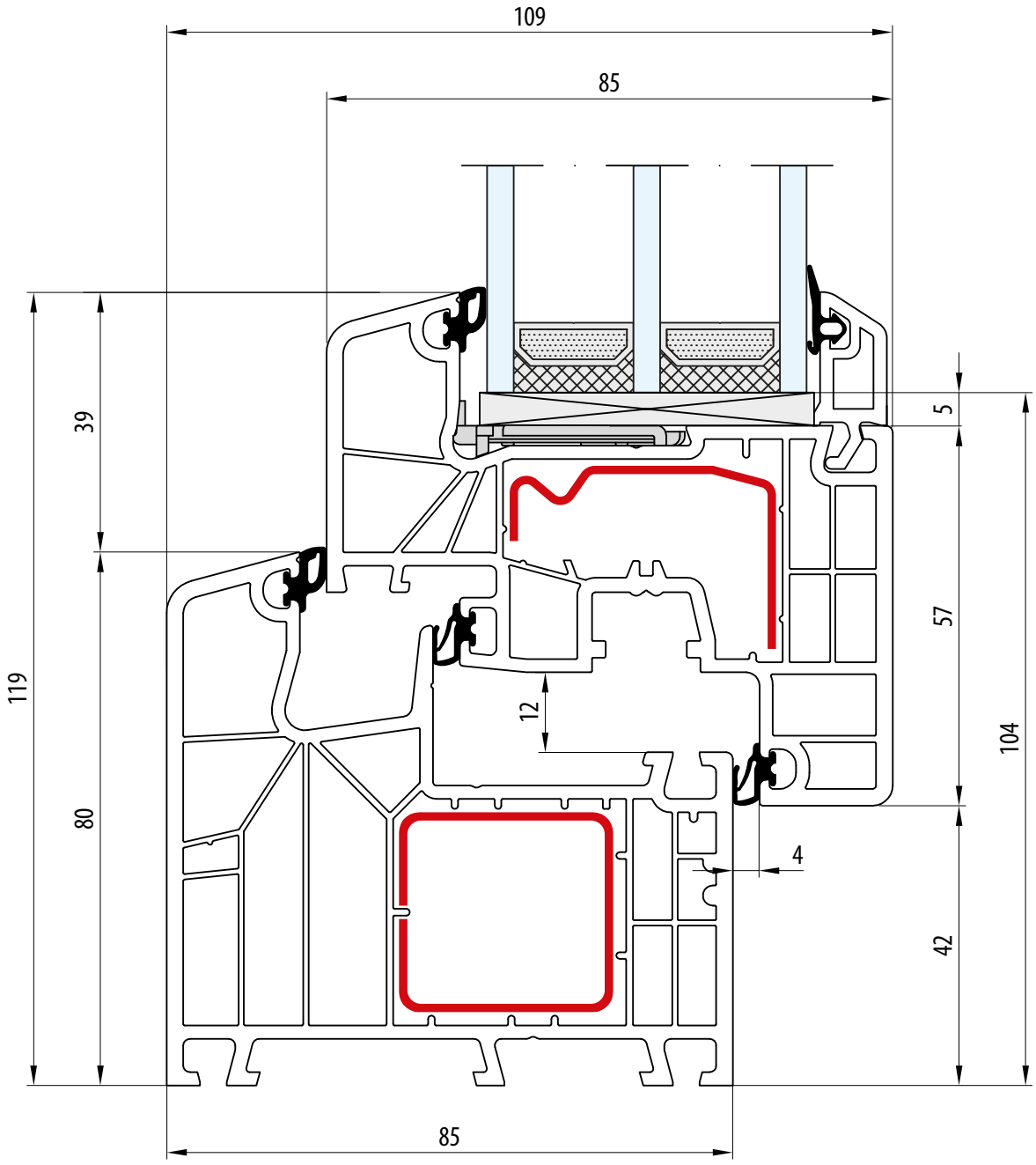
SL
CL
RL



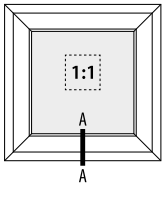




- Rama: 80 mm
- Dormant: 80 mm
- Frame: 80 mm
- Rahmen: 80 mm
- Telaio: 80 mm
- Kader: 80 mm



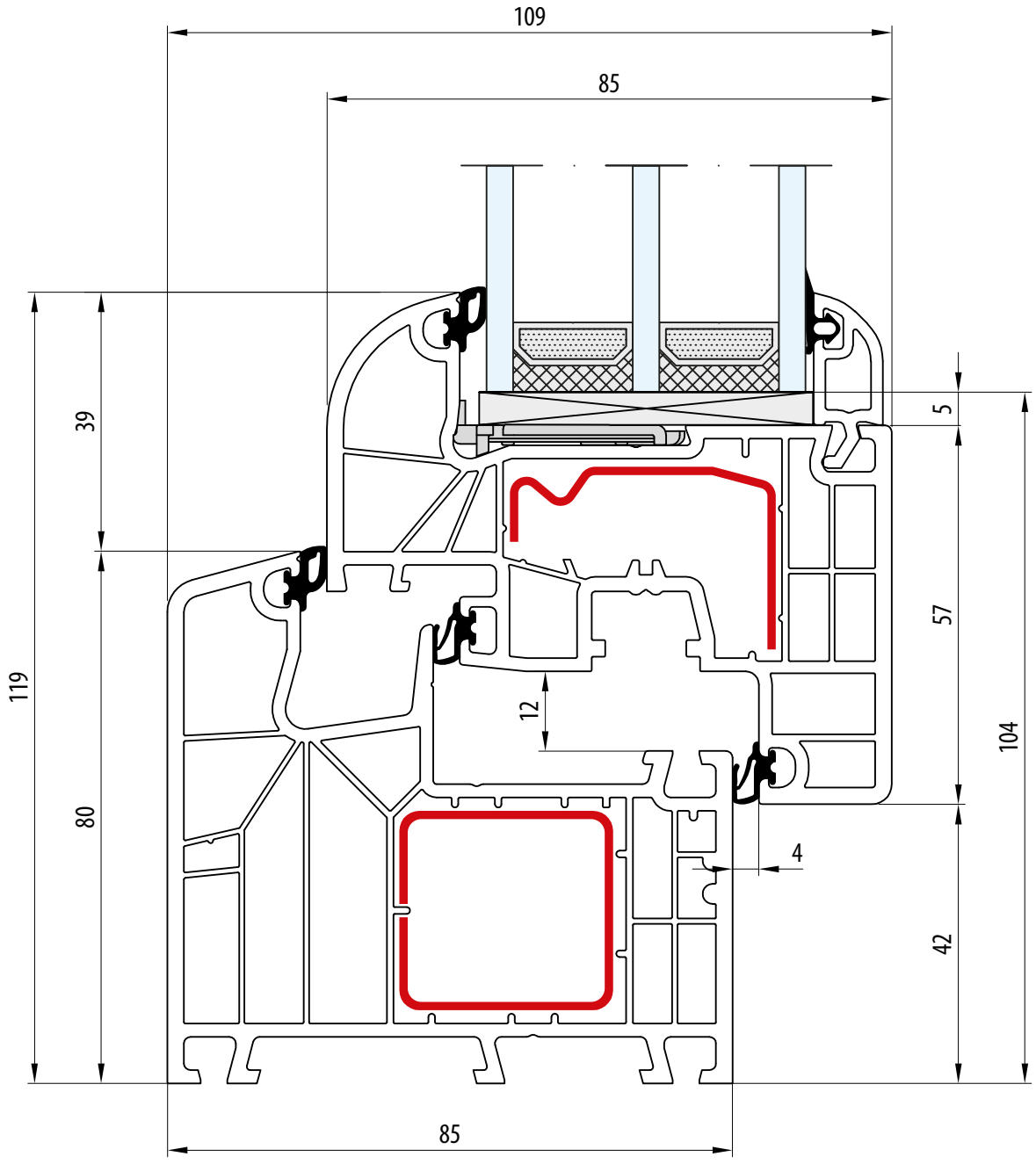



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm

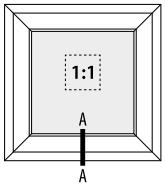


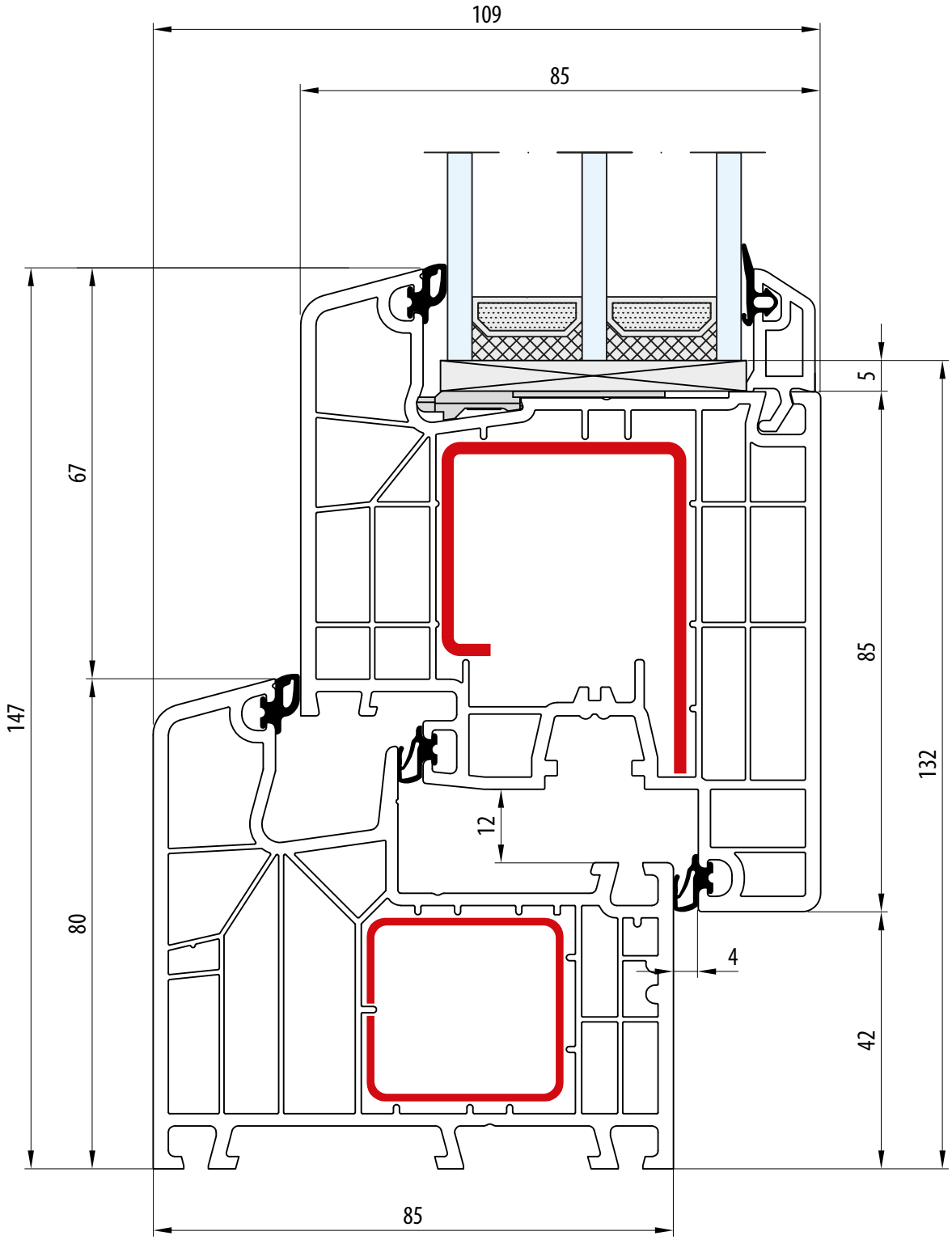
RL

SL
CL
RL

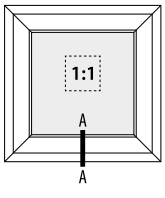



Rama: 80 mm · Skrzydło: 77 mm
Dormant: 80 mm · Vantail: 77 mm
Frame: 80 mm · Sash: 77 mm
Rahmen: 80 mm · Flügel: 77 mm
Telaio: 80 mm · Anta: 77 mm
Kader: 80 mm · Vleugel: 77 mm



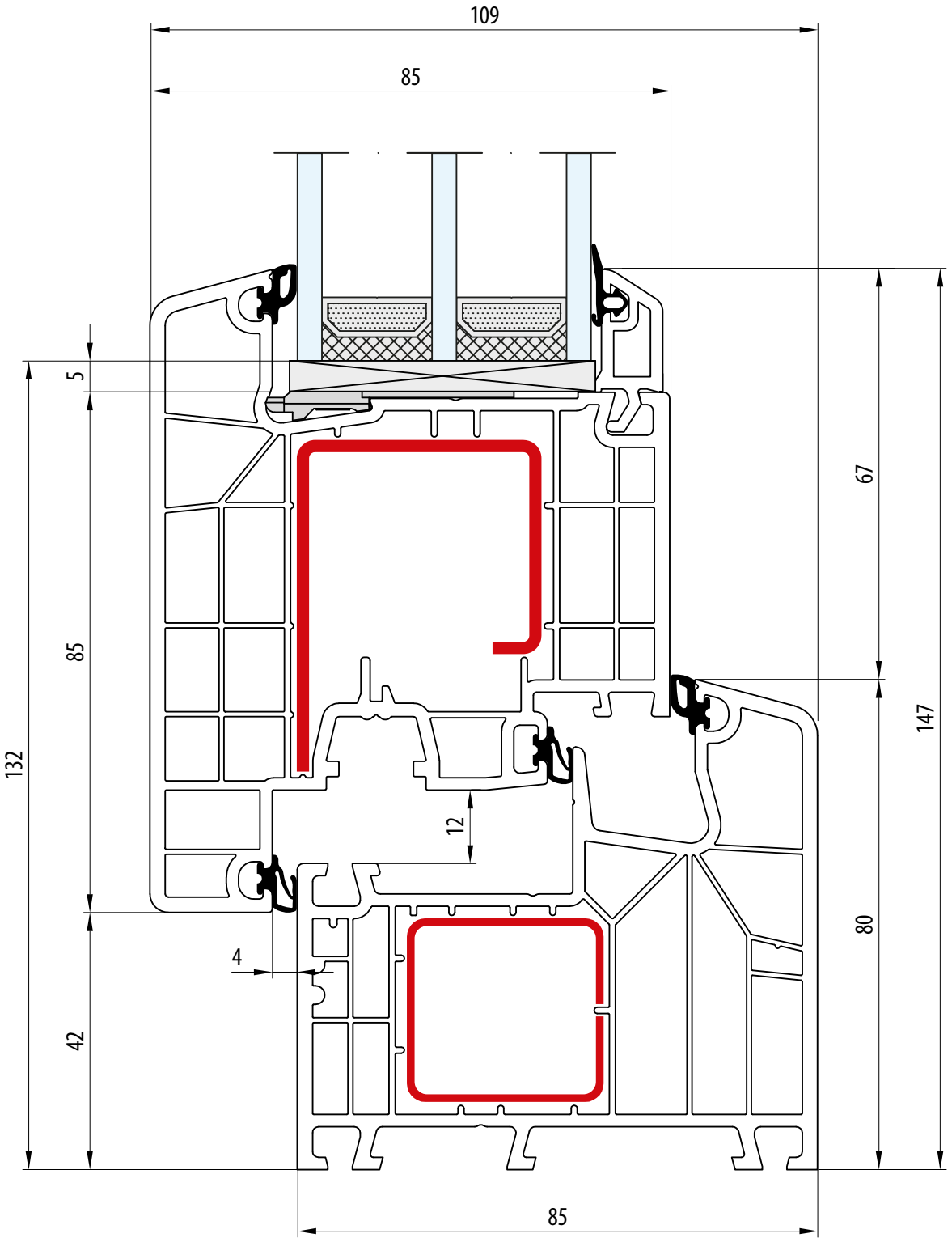



- Rama: 80 mm · Skrzydło: 105 mm
- Dormant: 80 mm · Vantail: 105 mm
- Frame: 80 mm · Sash: 105 mm
- Rahmen: 80 mm · Flügel: 105 mm
- Telaio: 80 mm · Anta: 105 mm
- Kader: 80 mm · Vleugel: 105 mm

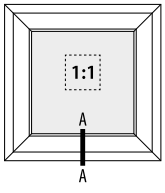


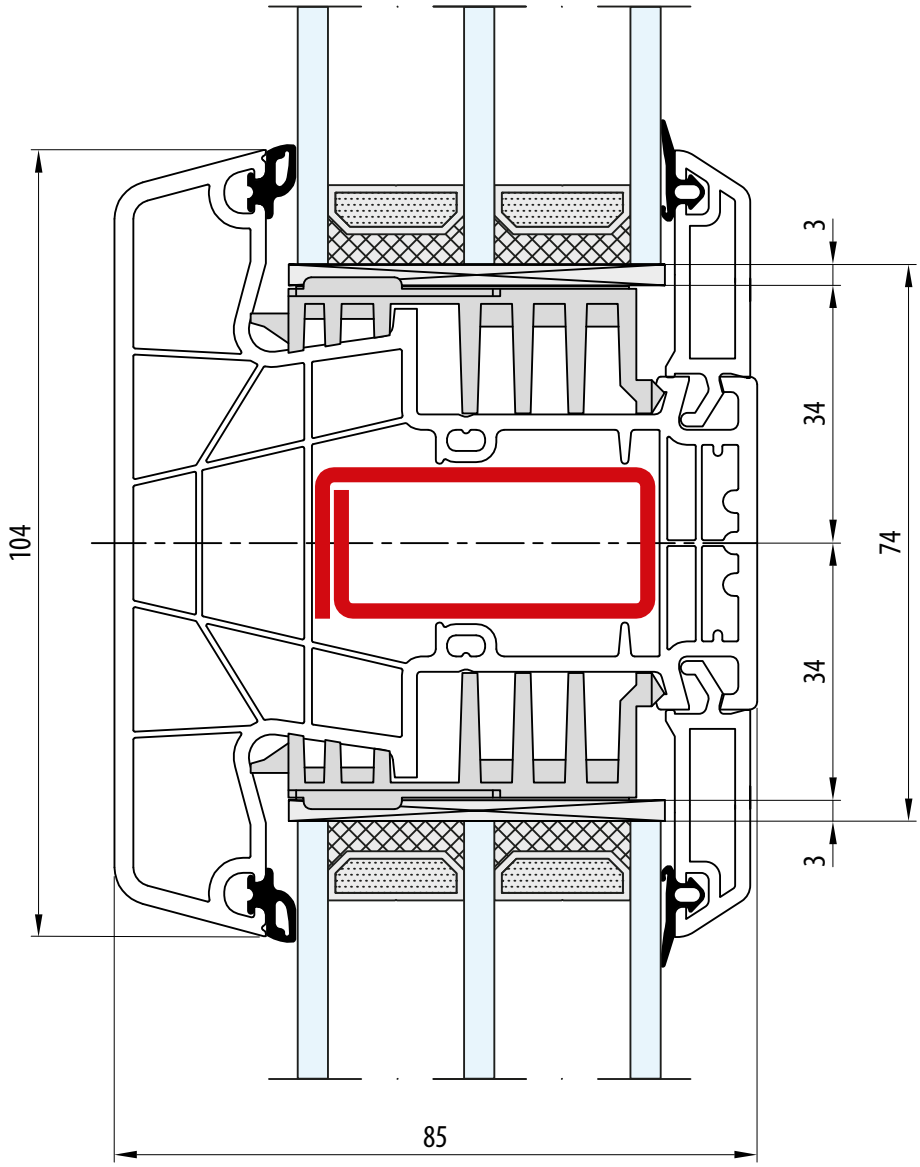
CL

SL
CL
RL

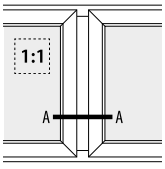



Rama: 80 mm · Skrzydło: 105 mm
Dormant: 80 mm · Vantail: 105 mm
Frame: 80 mm · Sash: 105 mm
Rahmen: 80 mm · Flügel: 105 mm
Telaio: 80 mm · Anta: 105 mm
Kader: 80 mm · Vleugel: 105 mm



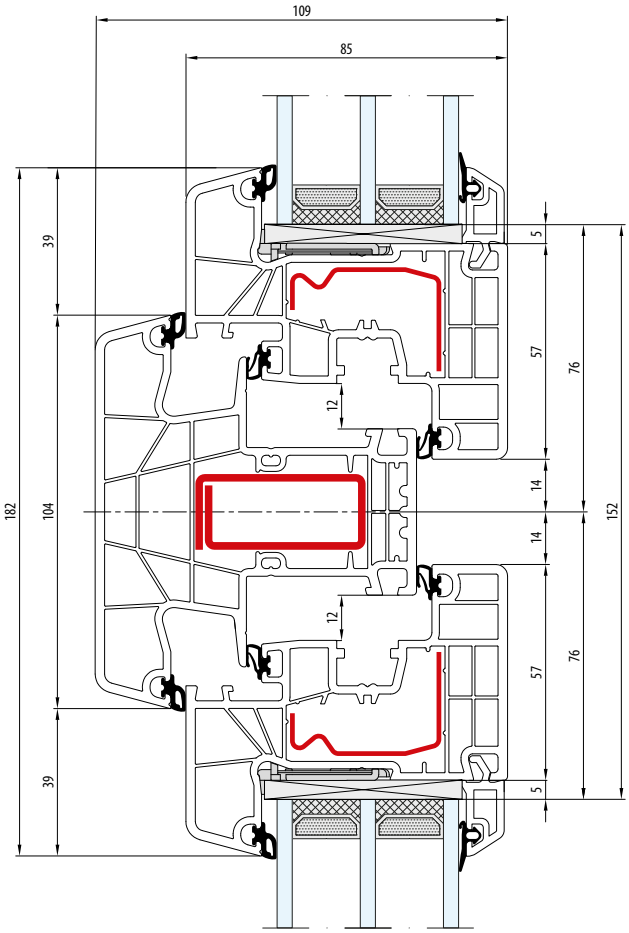



- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

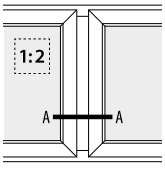


CL

SL
CL
RL

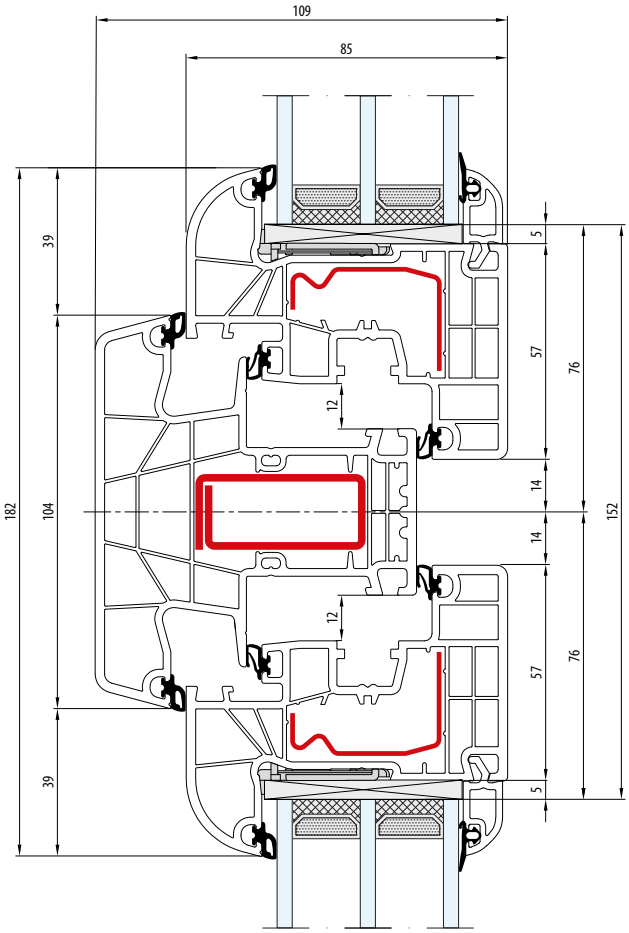



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

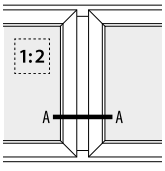


RL

SL
CL
RL

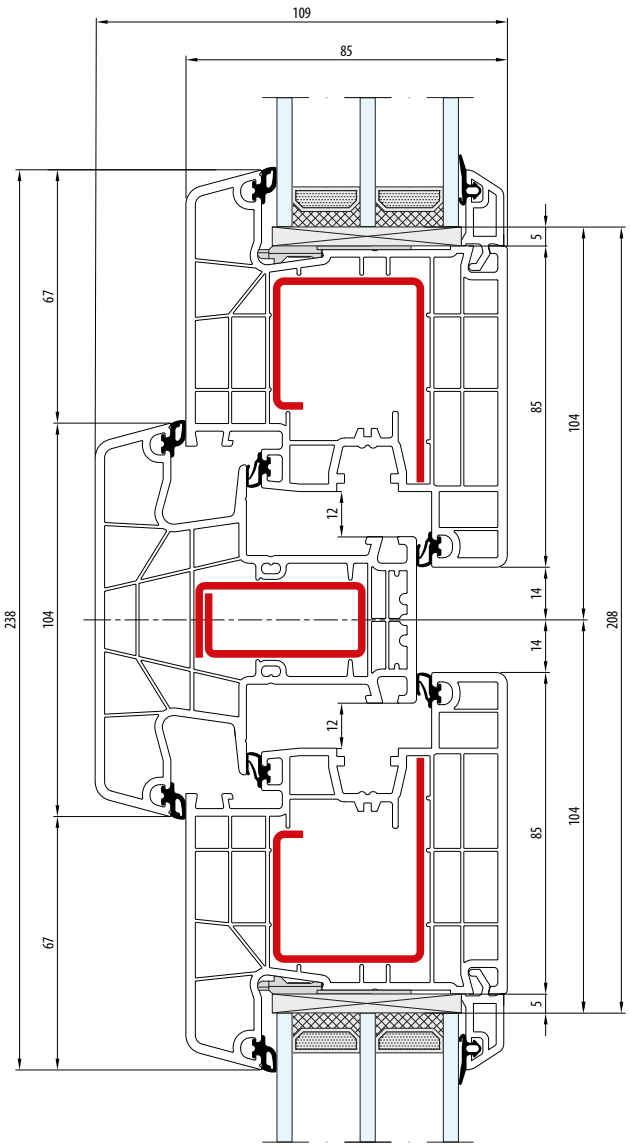



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

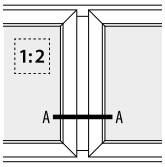


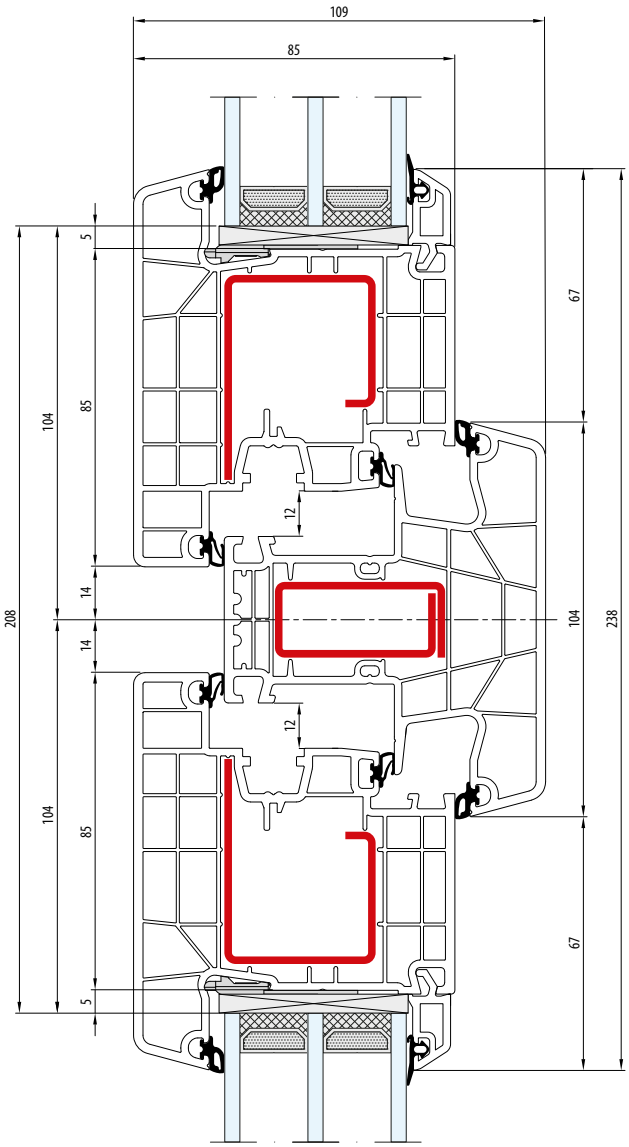
CL

SL
CL
RL

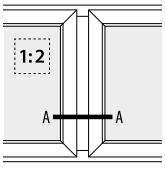



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm



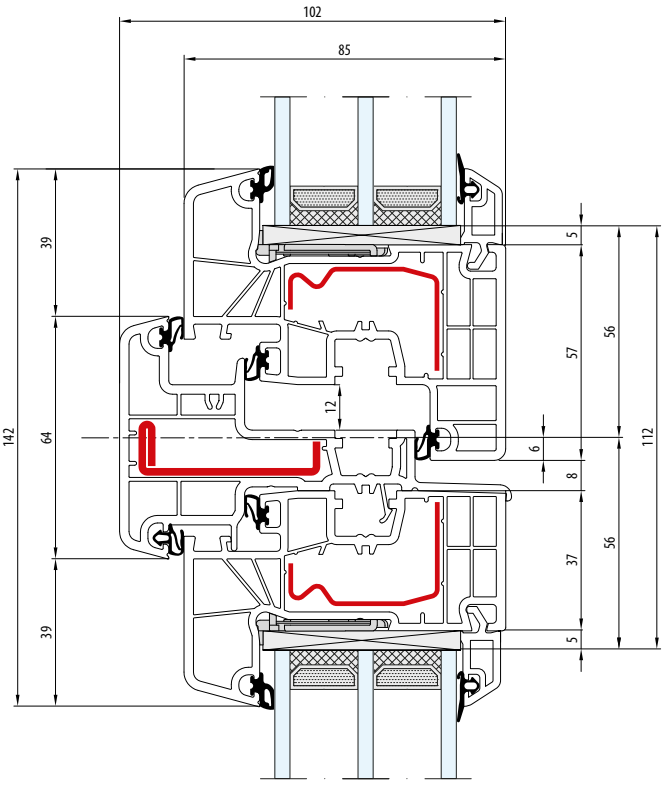



- Słupek stały: 104 mm · Skrzydło:105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm

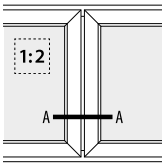


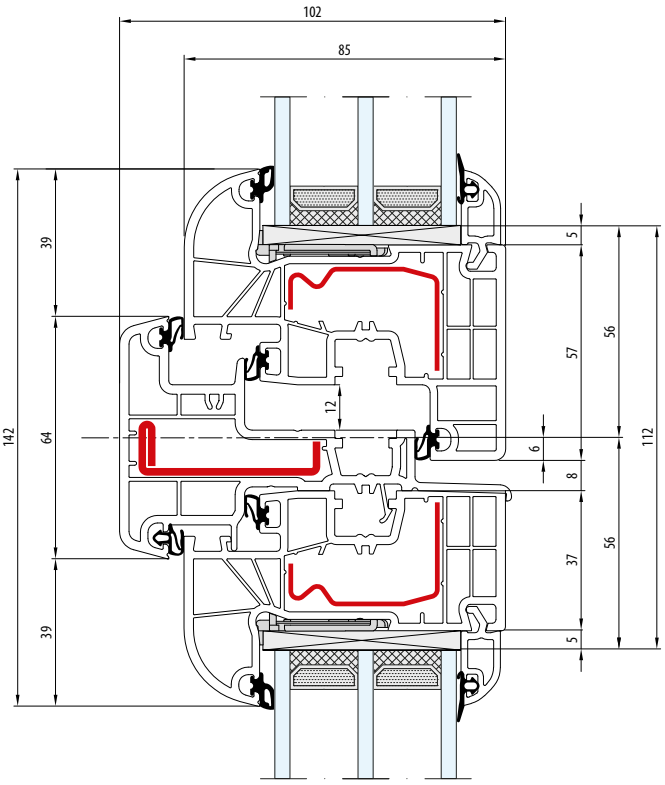
CL

SL
CL
RL

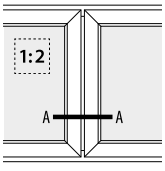



- Słupek ruchomy: 64 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 64 mm · Vantail: 77 mm / 57 mm
- Movable post: 64 mm · Sash: 77 mm / 57 mm
- Stulp: 64 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 64 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm / 57 mm



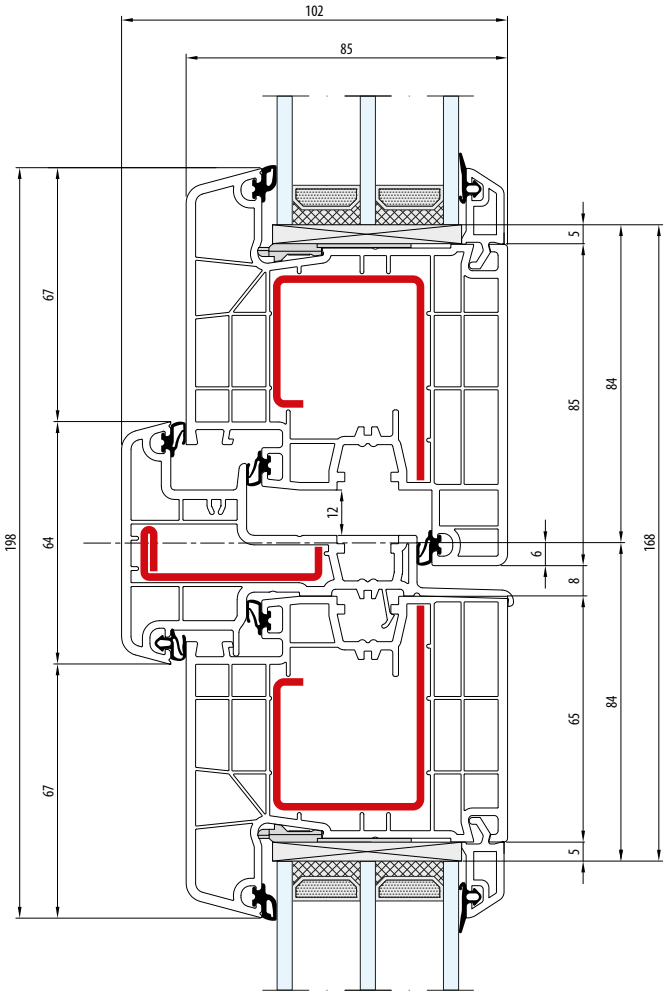



- Słupek ruchomy: 64 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 64 mm · Vantail: 77 mm / 57 mm
- Movable post: 64 mm · Sash: 77 mm / 57 mm
- Stulp: 64 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 64 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm / 57 mm

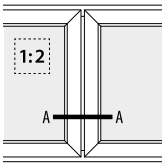


CL

SL
CL
RL

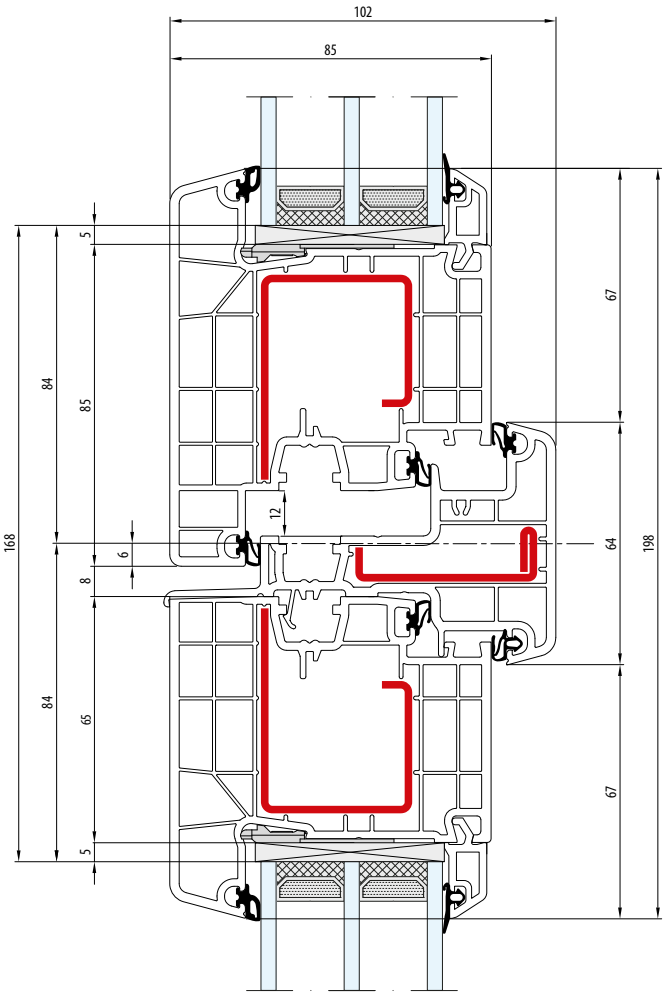



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm / 85 mm
- Meneau mobile: 64 mm · Vantail: 105 mm / 85 mm
- Movable post: 64 mm · Sash: 105 mm / 85 mm
- Stulp: 64 mm · Flügel: 105 mm / 85 mm
- Montante mobile: 64 mm · Anta: 105 mm / 85 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm / 85 mm

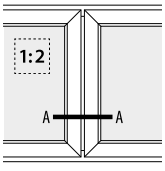


CL

SL CL RL

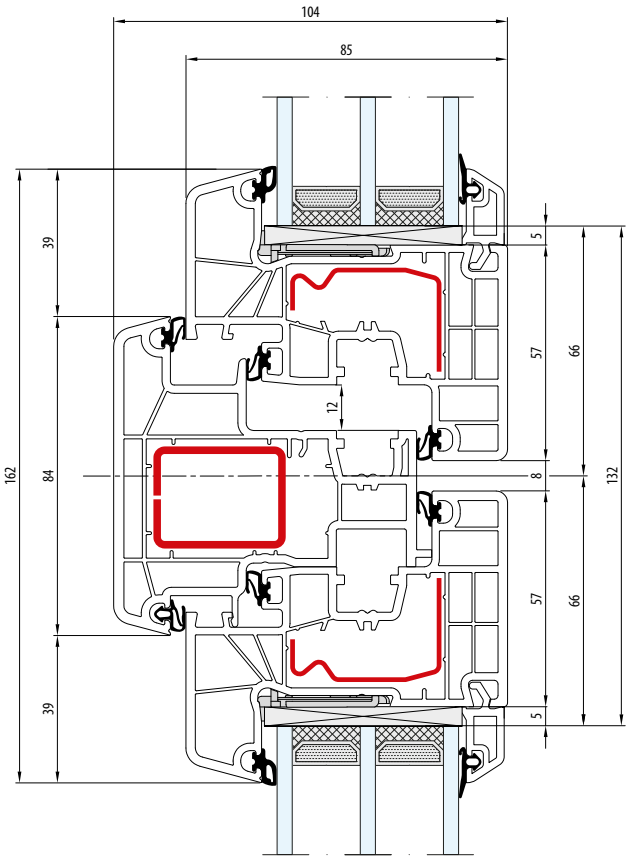



- Słupek ruchomy: 64 mm · Skrzydło: 105 mm / 85 mm
- Meneau mobile: 64 mm · Vantail: 105 mm / 85 mm
- Movable post: 64 mm · Sash: 105 mm / 85 mm
- Stulp: 64 mm · Flügel: 105 mm / 85 mm
- Montante mobile: 64 mm · Anta: 105 mm / 85 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 105 mm / 85 mm

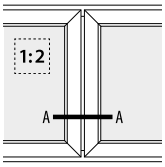


CL

SL
CL
RL

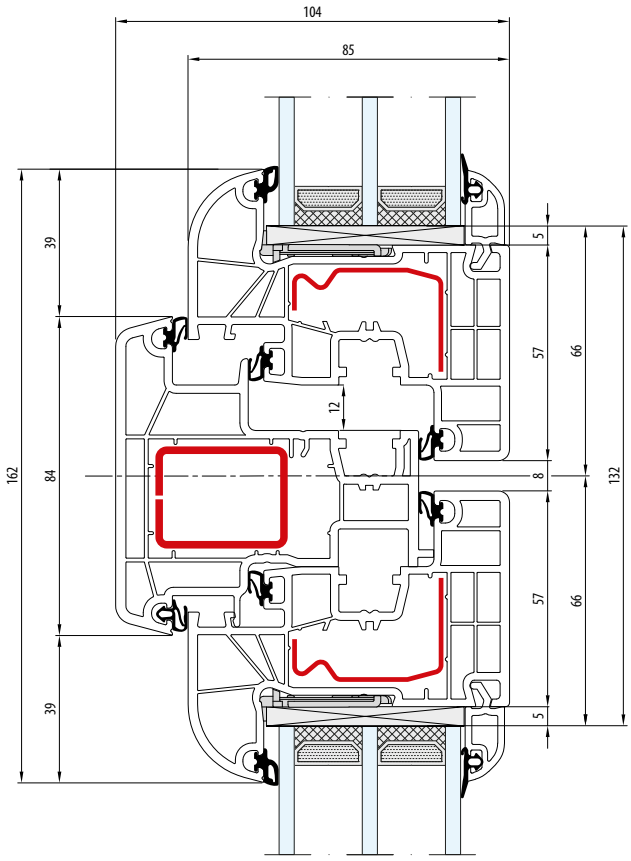



- Słupek ruchomy: 84 mm · Skrzydło: 77 mm
- Meneau mobile: 84 mm · Vantail: 77 mm
- Movable post: 84 mm · Sash: 77 mm
- Stulp: 84 mm · Flügel: 77 mm
- Montante mobile: 84 mm · Anta: 77 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 77 mm

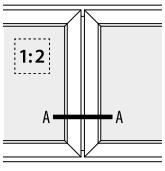


RL

SL
CL
RL

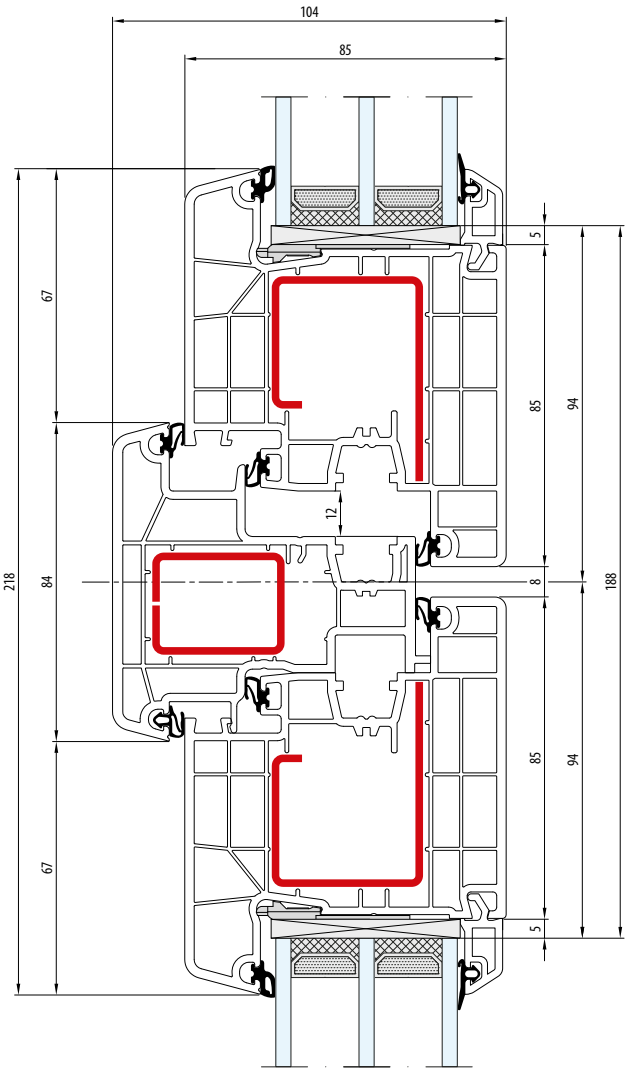



- Słupek ruchomy: 84 mm · Skrzydło: 77 mm
- Meneau mobile: 84 mm · Vantail: 77 mm
- Movable post: 84 mm · Sash: 77 mm
- Stulp: 84 mm · Flügel: 77 mm
- Montante mobile: 84 mm · Anta: 77 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 77 mm

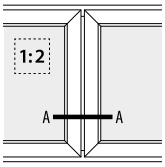


CL

SL
CL
RL

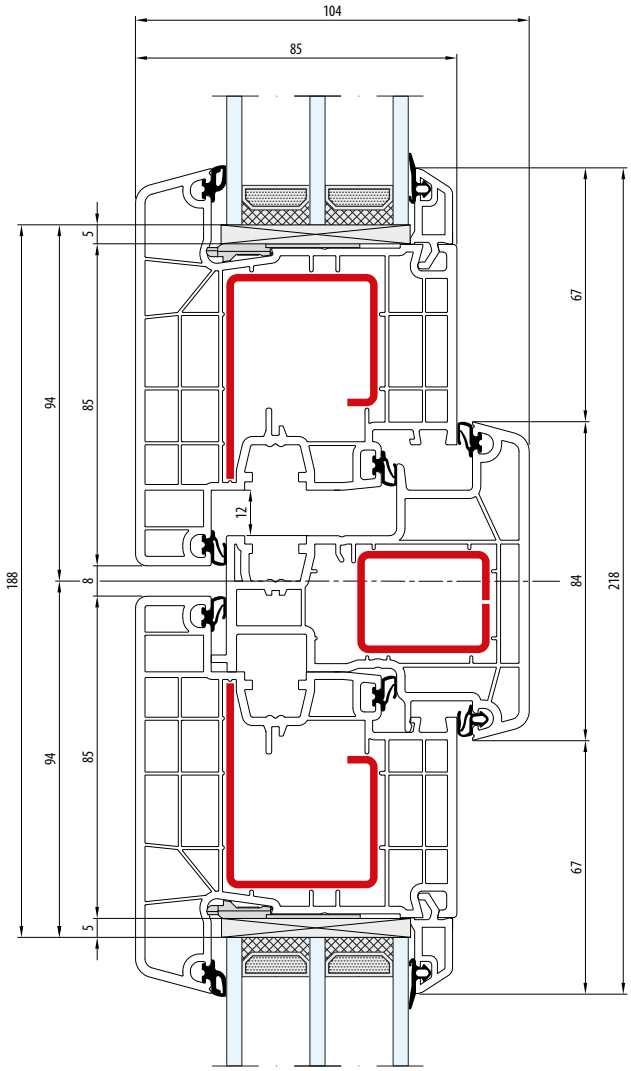



- Słupek ruchomy: 84 mm · Skrzydło: 105 mm
- Meneau mobile: 84 mm · Vantail: 105 mm
- Movable post: 84 mm · Sash: 105 mm
- Stulp: 84 mm · Flügel: 105 mm
- Montante mobile: 84 mm · Anta: 105 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 105 mm

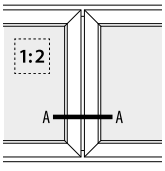


CL

SL CL RL

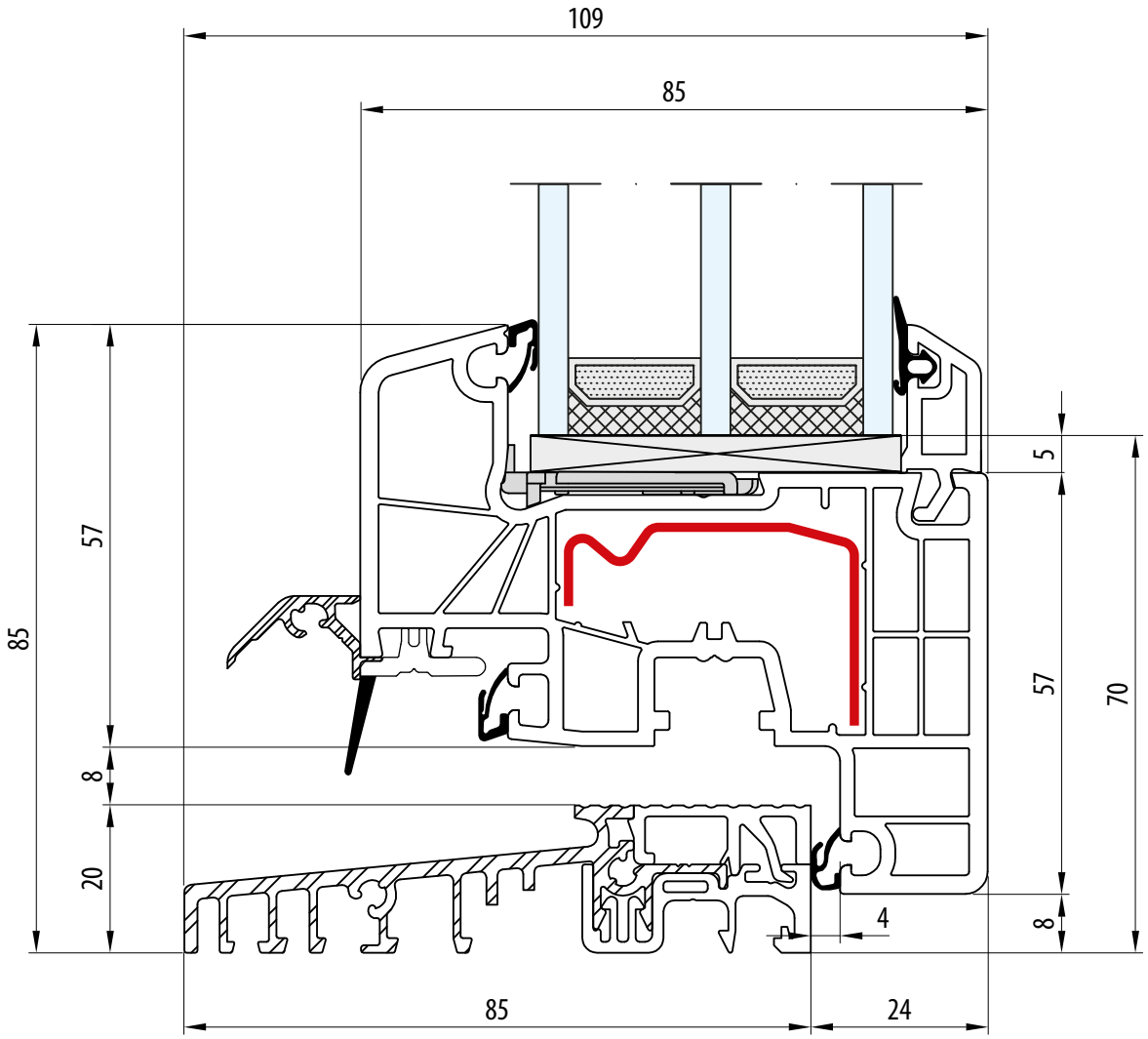



- Słupek ruchomy: 84 mm · Skrzydło: 105 mm
- Meneau mobile: 84 mm · Vantail: 105 mm
- Movable post: 84 mm · Sash: 105 mm
- Stulp: 84 mm · Flügel: 105 mm
- Montante mobile: 84 mm · Anta: 105 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 105 mm

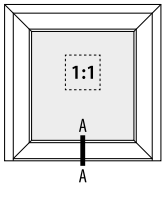


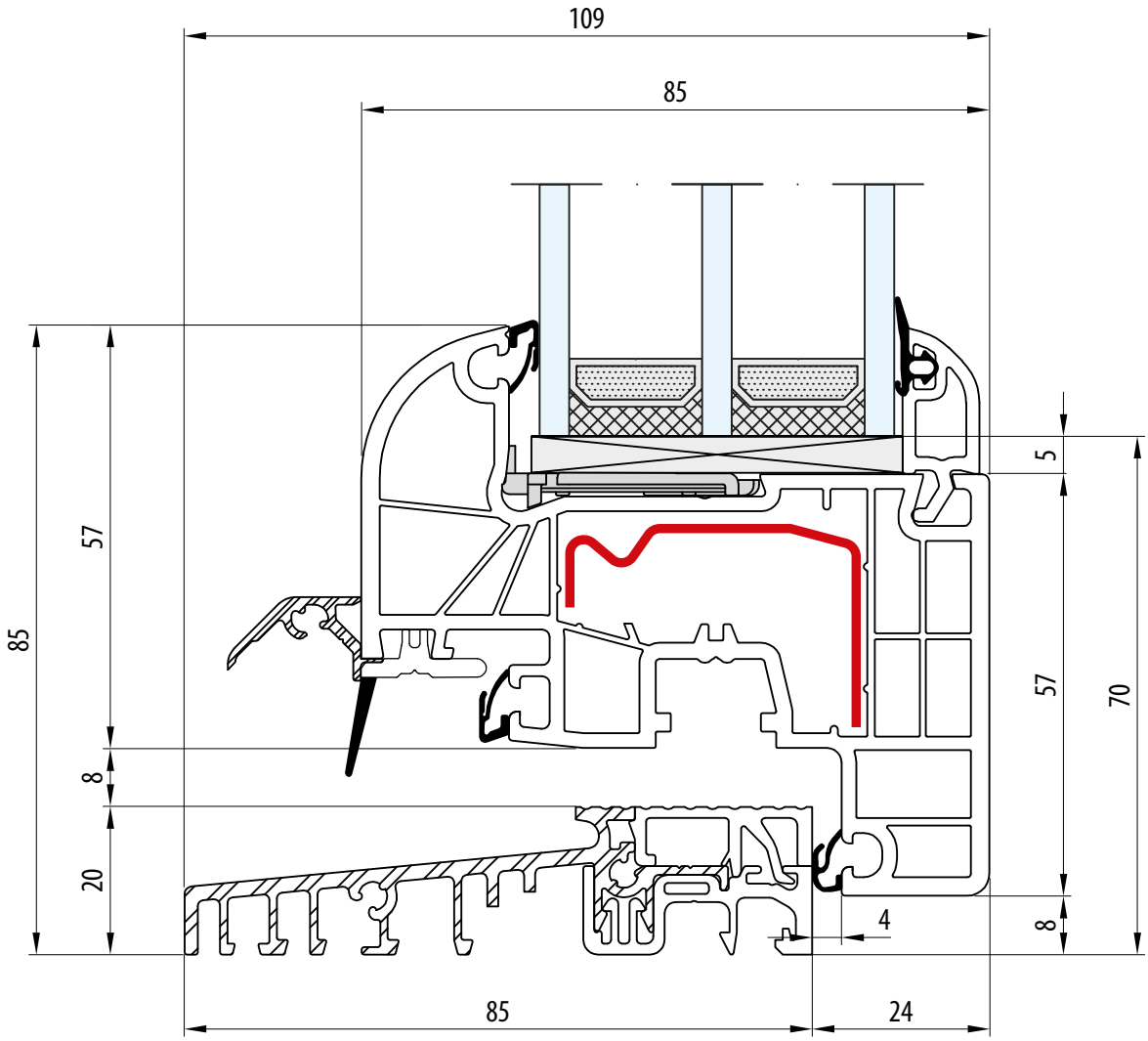
CL

SL
CL
RL

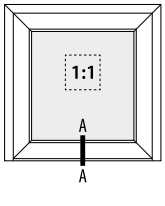


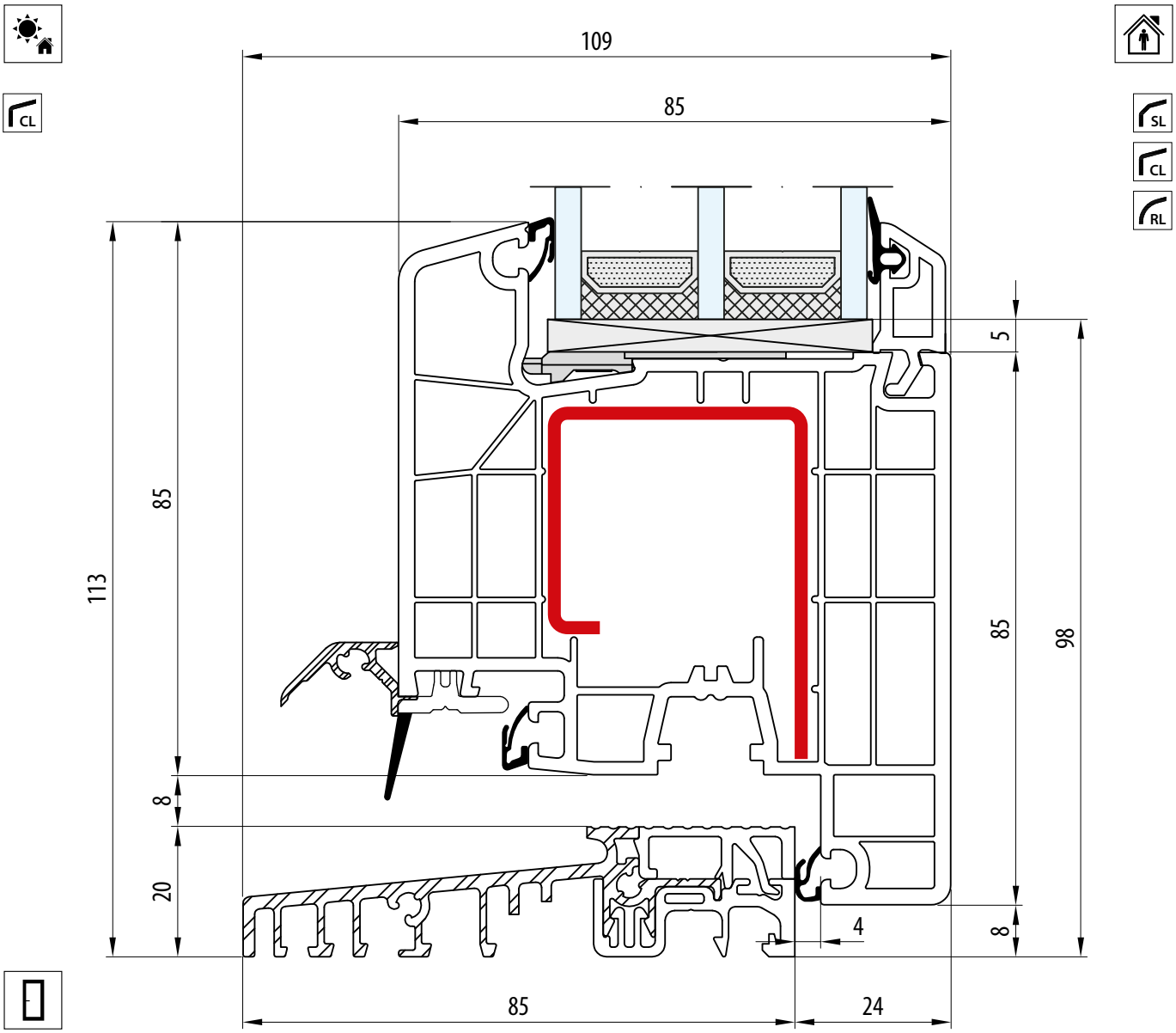

Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

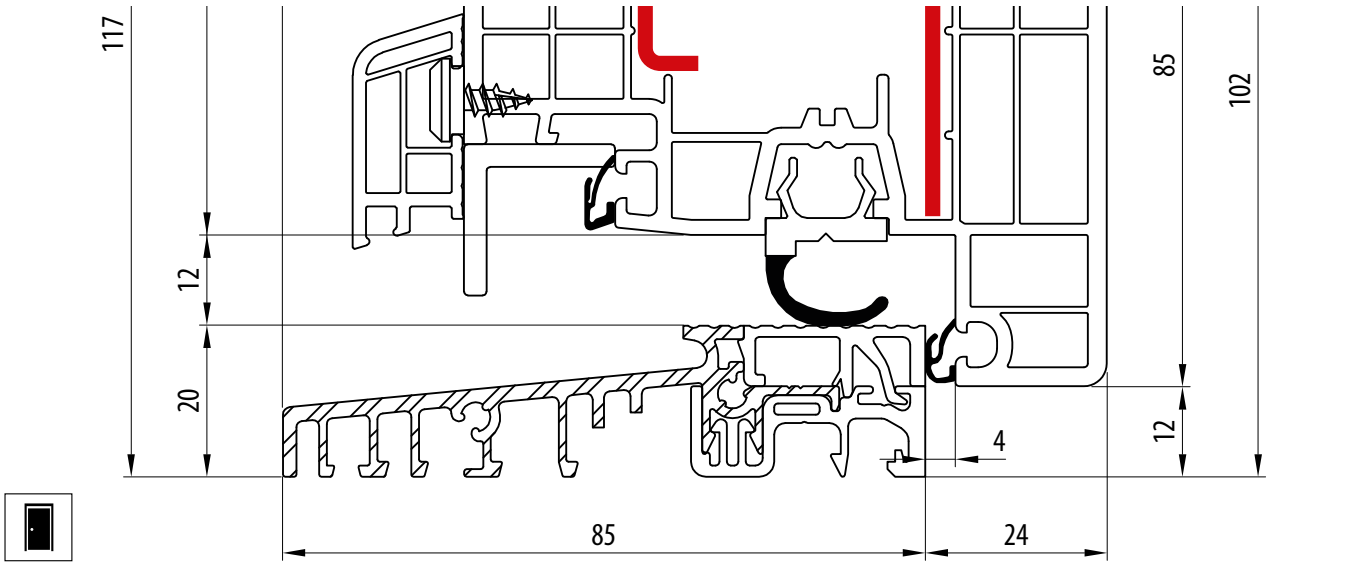




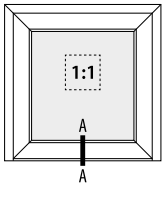

Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm





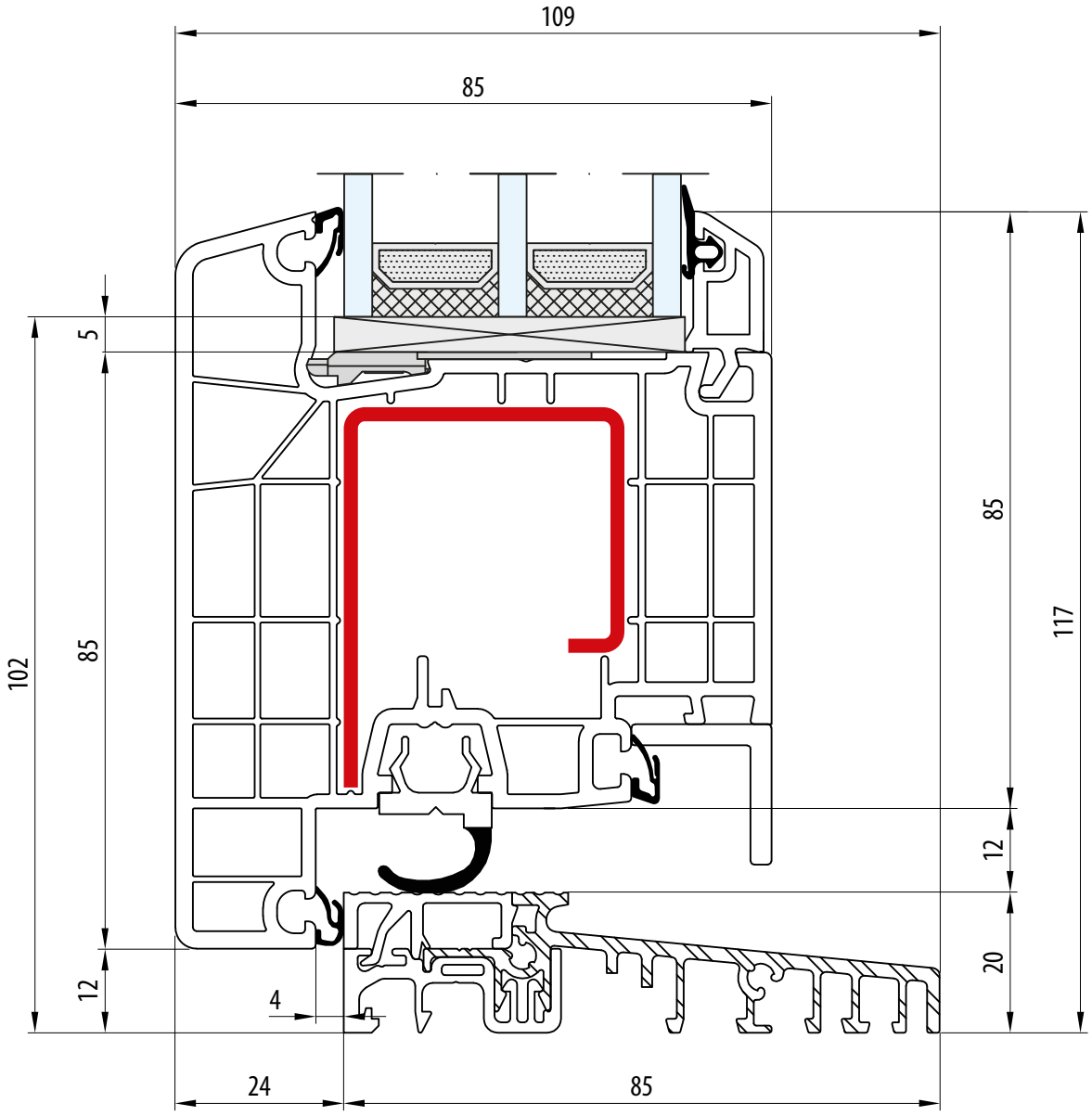




Próg: 20 mm · Skrzydło: 105 mm
Seuil: 20 mm · Vantail: 105 mm
Threshold: 20 mm · Sash: 105 mm
Schwelle: 20 mm · Flügel: 105 mm
Soglia: 20 mm · Anta: 105 mm
Dorpel: 20 mm · Vleugel: 105 mm



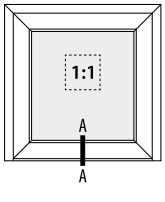




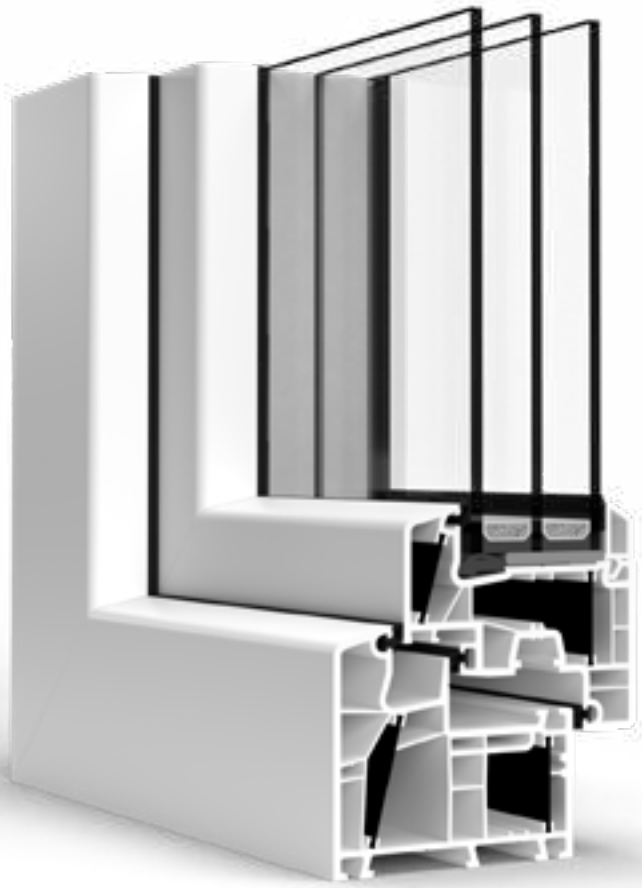



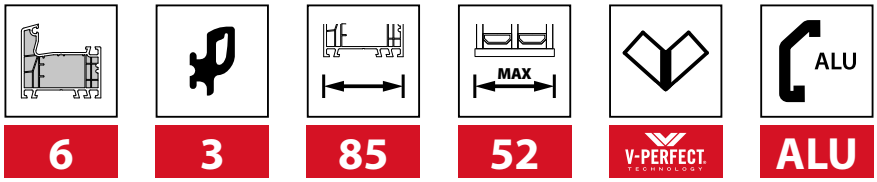



- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm

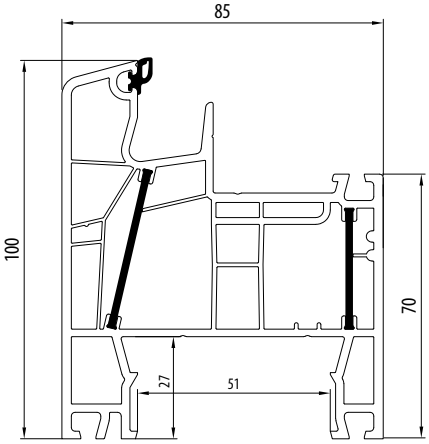


# ENERGETO 8000

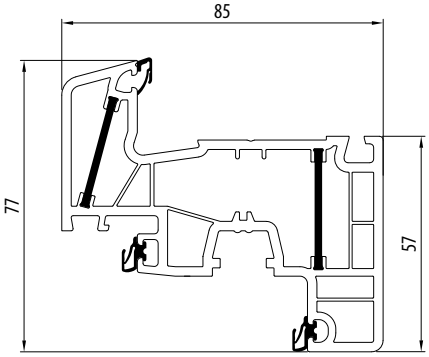




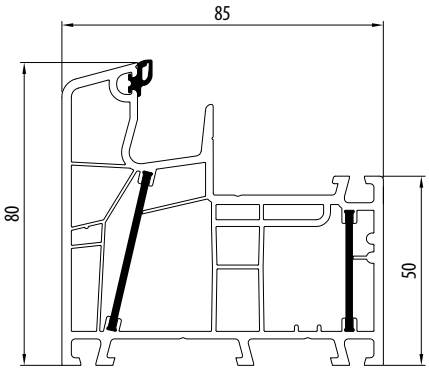




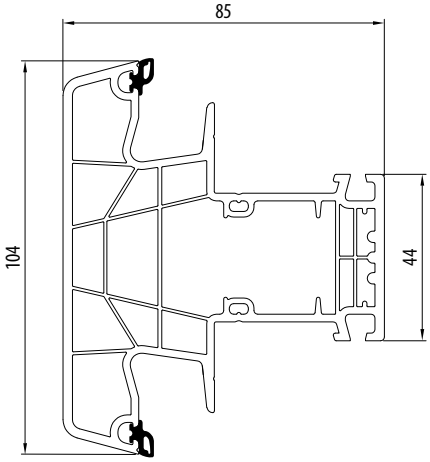

CL ALU 080x04



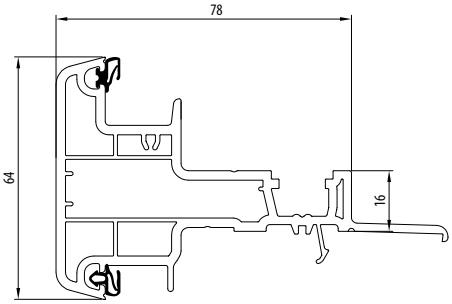

CL ALU 080x20



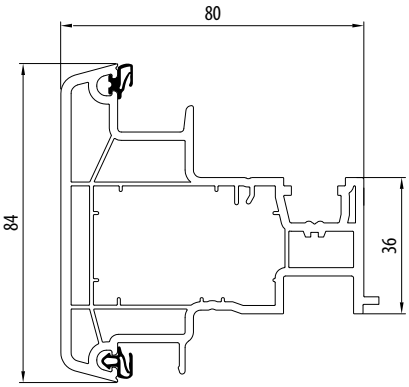

CL ALU 080x05



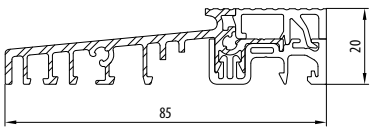

CL ALU 180x44




CL 180x64




CL 180x66

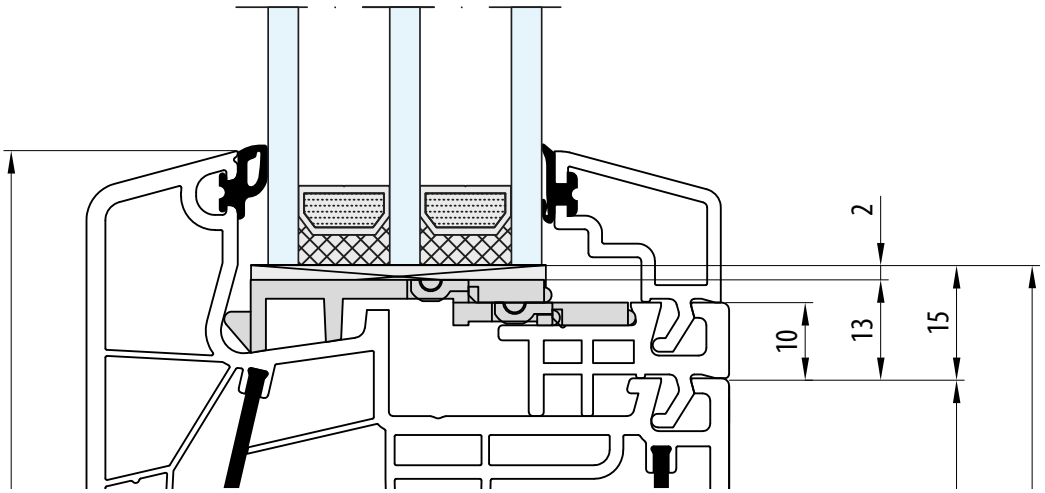


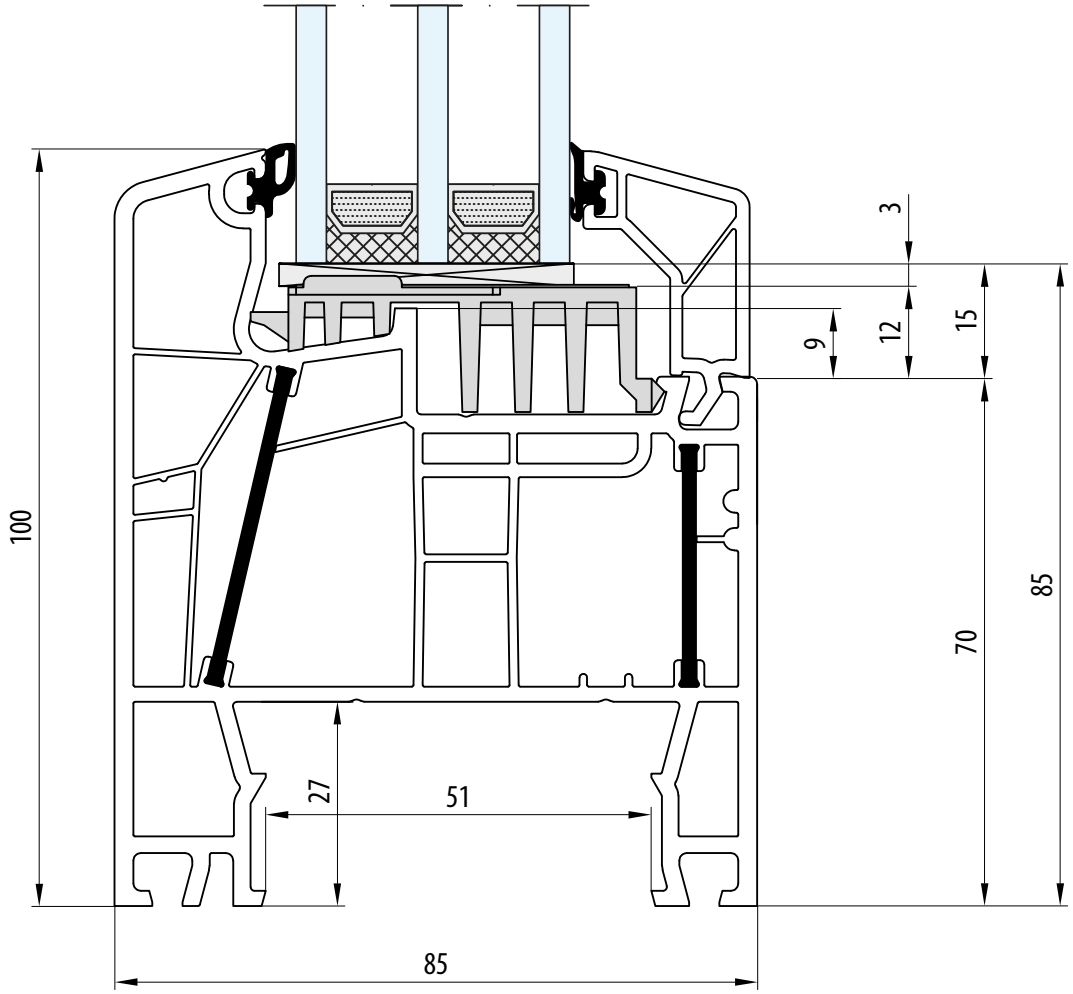

alu - 20 mm

1:2

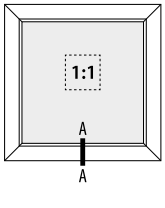
CL

SL
CL
RL



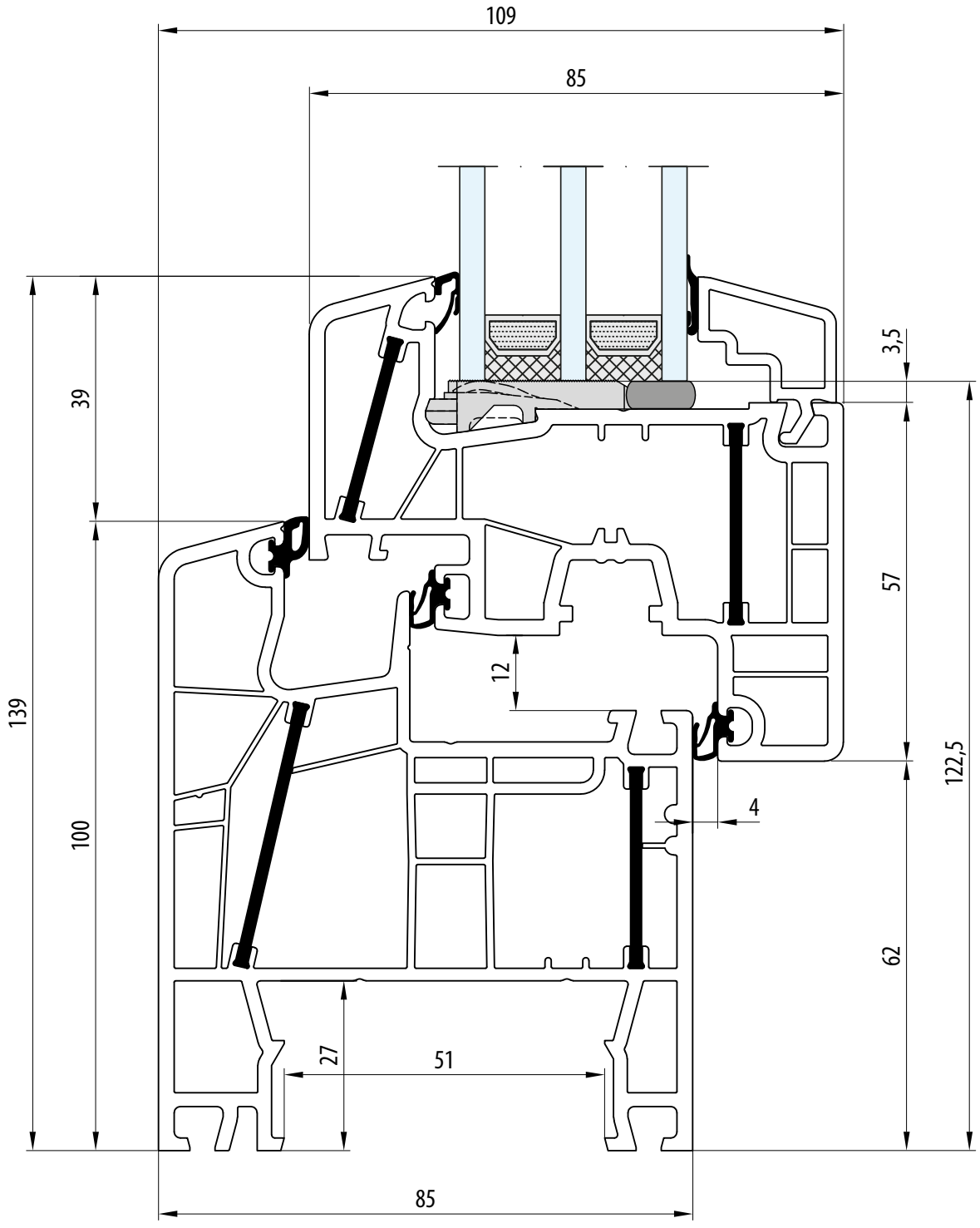




- Rama: 100 mm
- Dormant: 100 mm
- Frame: 100 mm
- Rahmen: 100 mm
- Telaio: 100 mm
- Kader: 100 mm

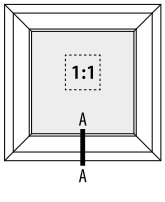


CL

SL CL RL

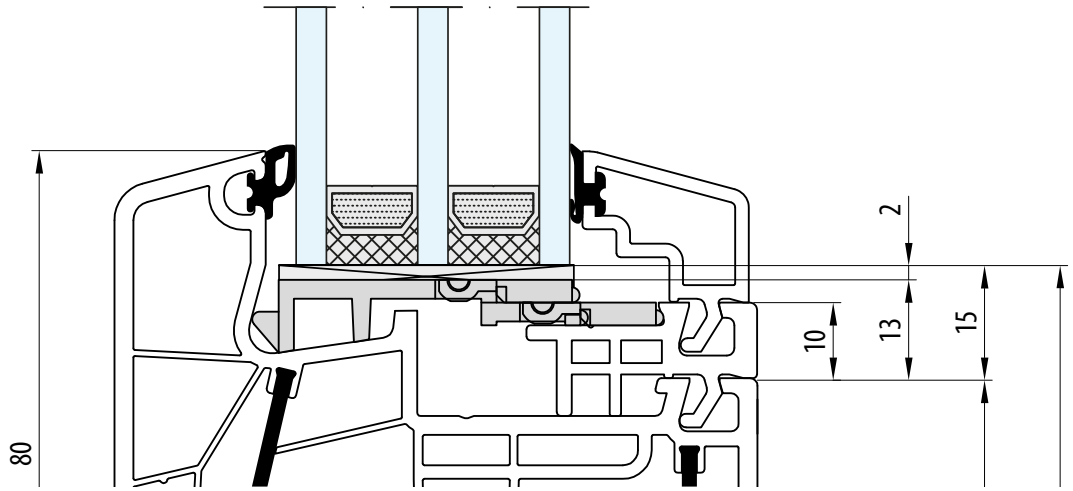


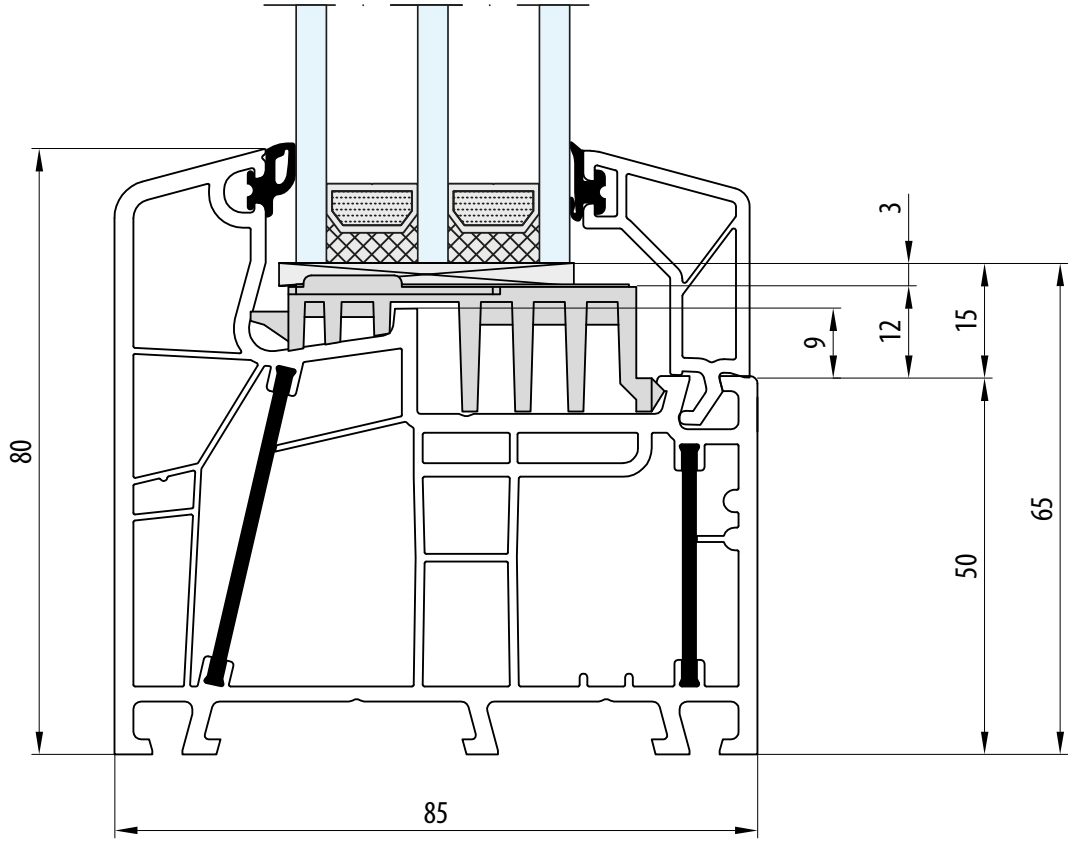

- Rama: 100 mm · Skrzydło: 77 mm
- Dormant: 100 mm · Vantail: 77 mm
- Frame: 100 mm · Sash: 77 mm
- Rahmen: 100 mm · Flügel: 77 mm
- Telaio: 100 mm · Anta: 77 mm
- Kader: 100 mm · Vleugel: 77 mm



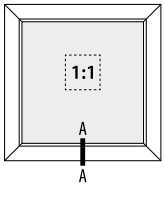
CL

SL
CL
RL



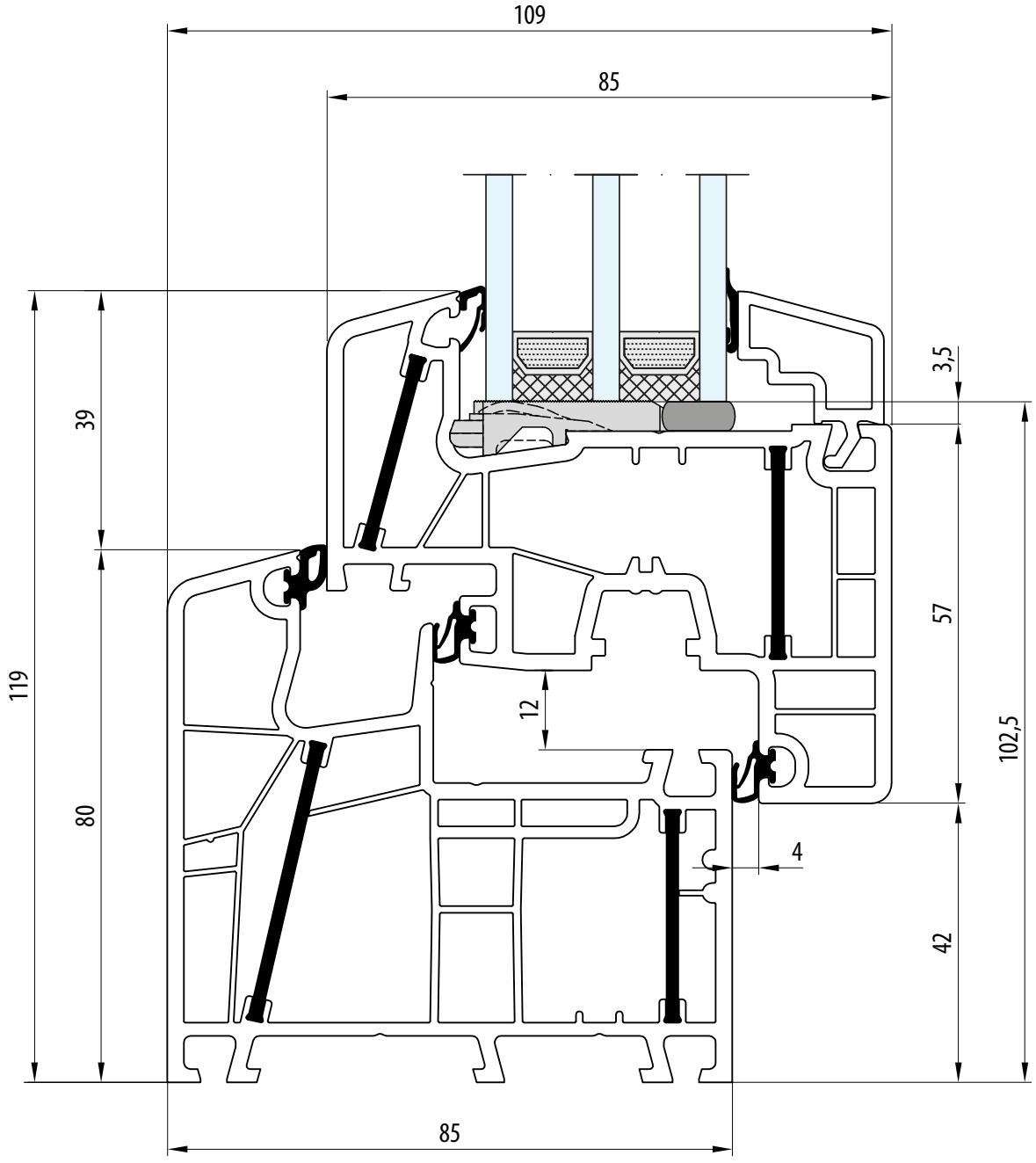




- Rama: 80 mm
- Dormant: 80 mm
- Frame: 80 mm
- Rahmen: 80 mm
- Telaio: 80 mm
- Kader: 80 mm

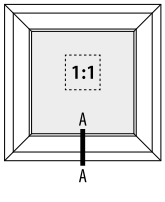


CL

SL CL RL

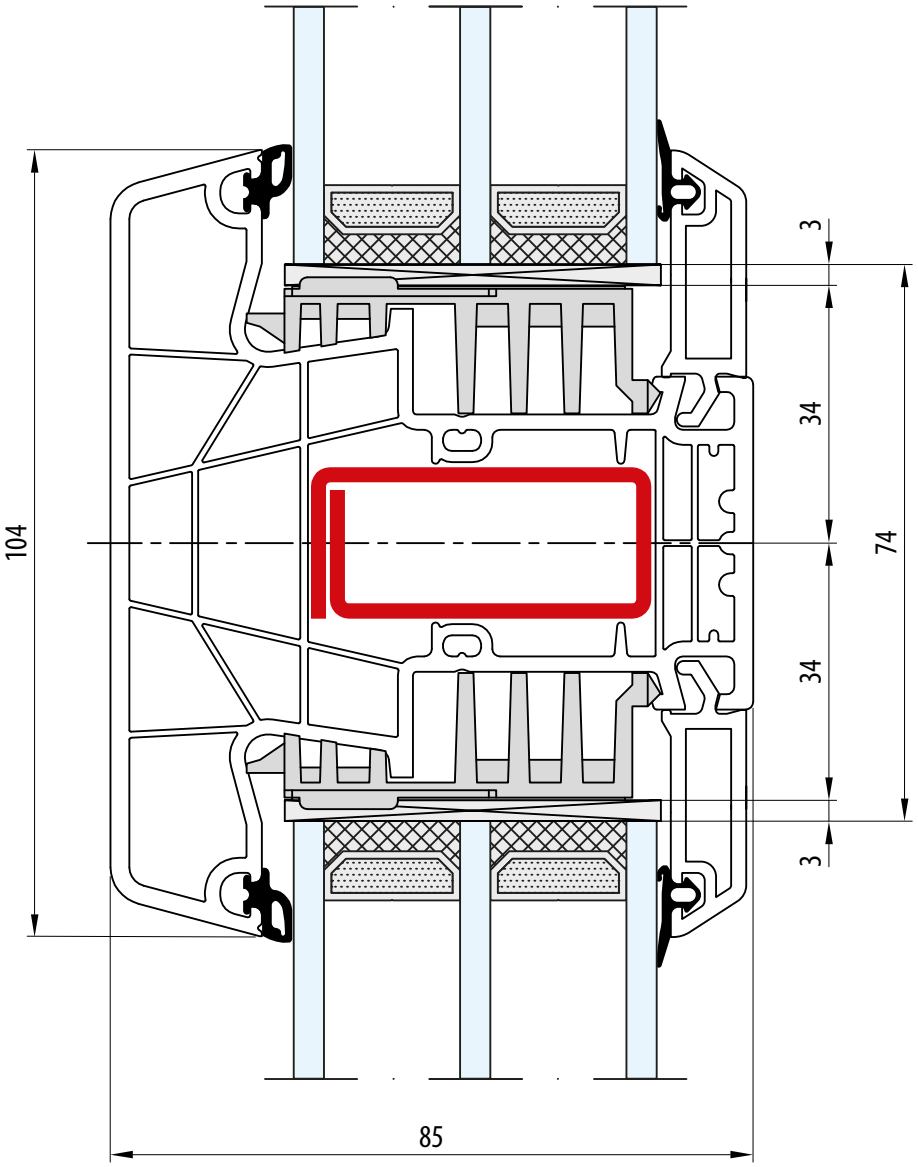



- Rama: 80 mm · Skrzydło: 77 mm
- Dormant: 80 mm · Vantail: 77 mm
- Frame: 80 mm · Sash: 77 mm
- Rahmen: 80 mm · Flügel: 77 mm
- Telaio: 80 mm · Anta: 77 mm
- Kader: 80 mm · Vleugel: 77 mm

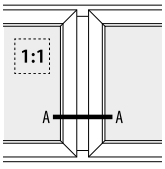


CL

SL
CL
RL

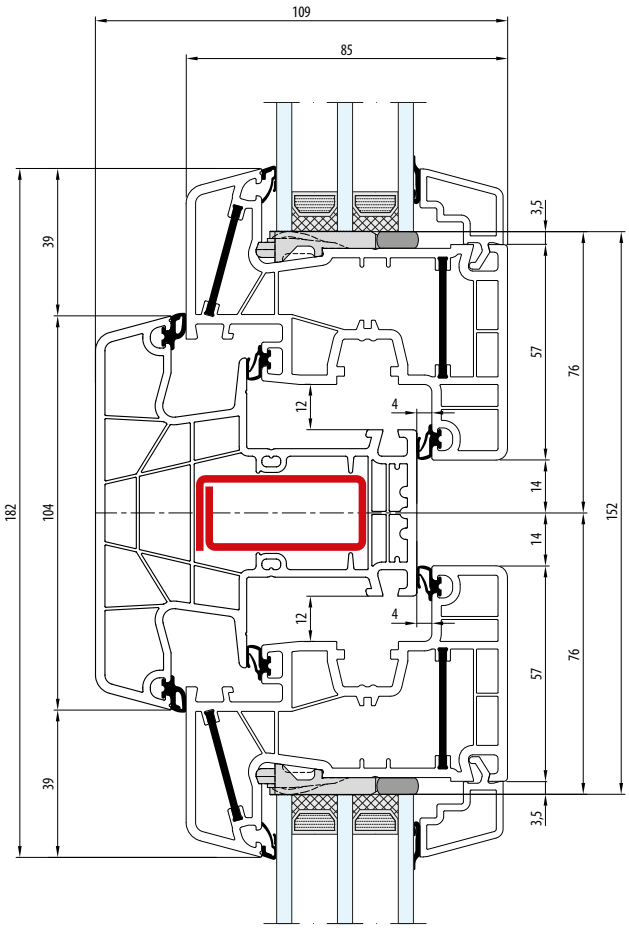



- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

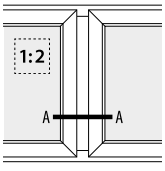


CL

SL CL RL

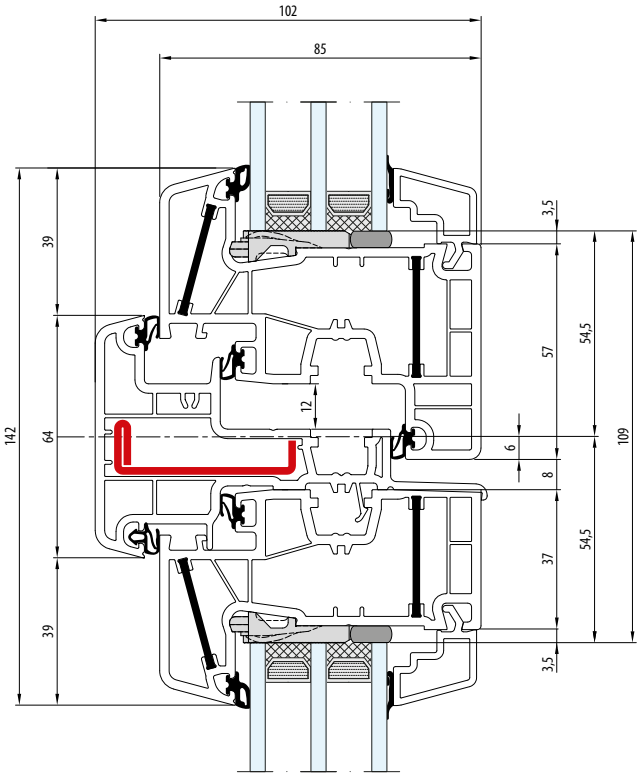



- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

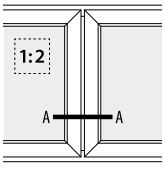


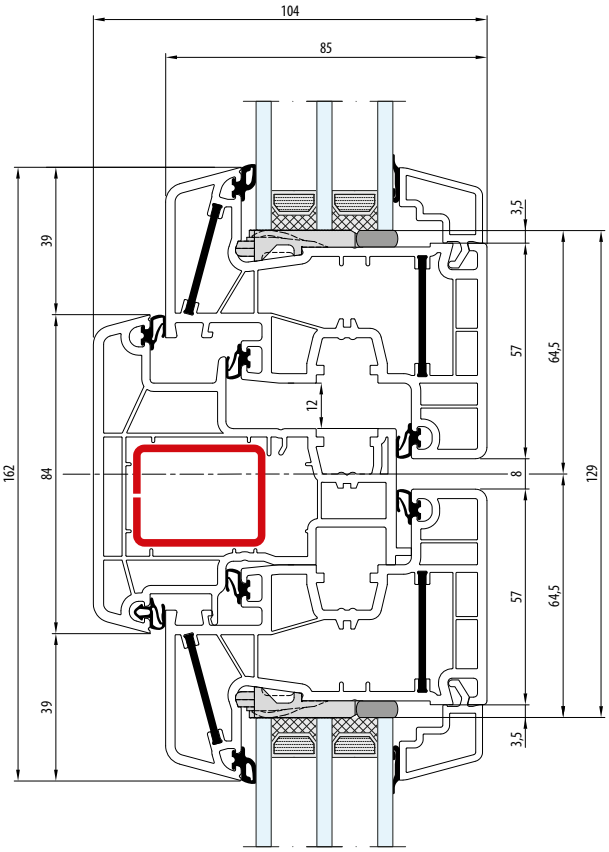
CL

SL
CL
RL

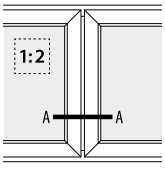



- Słupek ruchomy: 64 mm · Skrzydło: 77 mm / 57 mm
- Meneau mobile: 64 mm · Vantail: 77 mm / 57 mm
- Movable post: 64 mm · Sash: 77 mm / 57 mm
- Stulp: 64 mm · Flügel: 77 mm / 57 mm
- Montante mobile: 64 mm · Anta: 77 mm / 57 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 77 mm / 57 mm



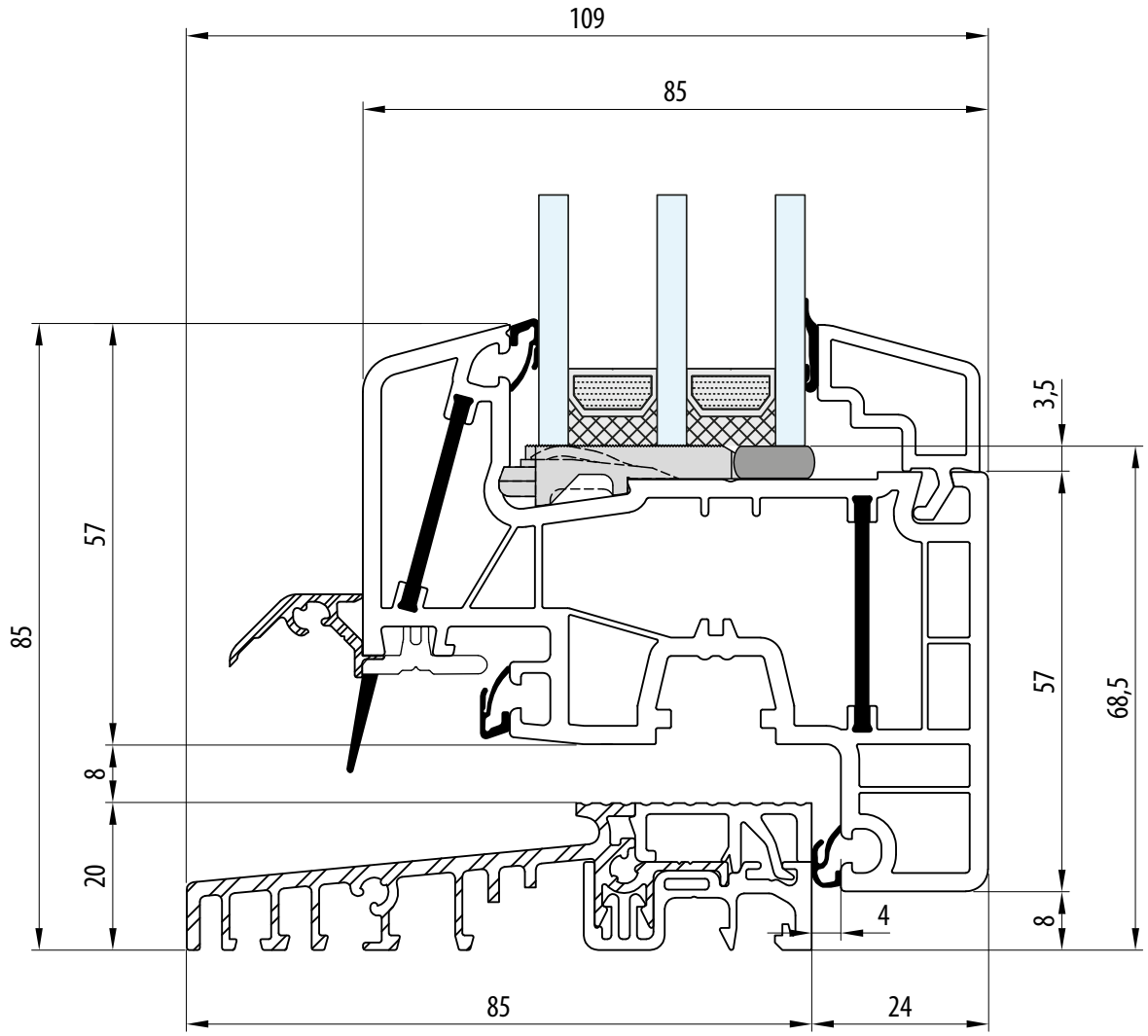



- Słupek ruchomy: 84 mm · Skrzydło: 77 mm
- Meneau mobile: 84 mm · Vantail: 77 mm
- Movable post: 84 mm · Sash: 77 mm
- Stulp: 84 mm · Flügel: 77 mm
- Montante mobile: 84 mm · Anta: 77 mm
- Verplaatsbare stijl: 84 mm · Vleugel: 77 mm

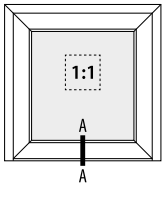


CL

SL
CL
RL

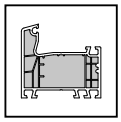



- Próg: 20 mm · Skrzydło: 77 mm
- Seuil: 20 mm · Vantail: 77 mm
- Threshold: 20 mm · Sash: 77 mm
- Schwelle: 20 mm · Flügel: 77 mm
- Soglia: 20 mm · Anta: 77 mm
- Dorpel: 20 mm · Vleugel: 77 mm

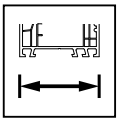


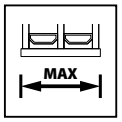
# IDEAL NEO AD / MD



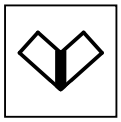

5/6


2/3


76



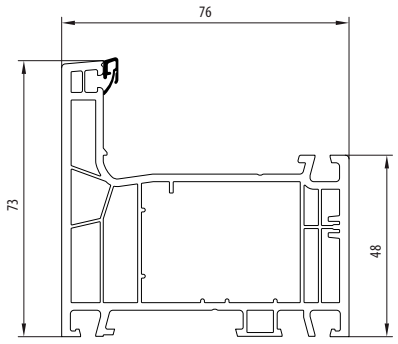
54



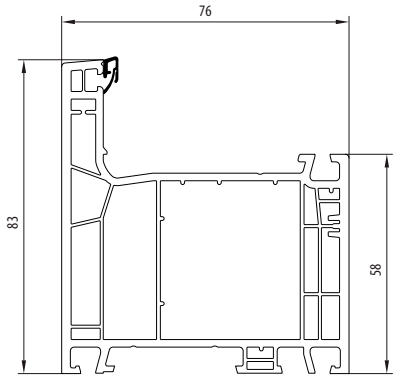



ALU

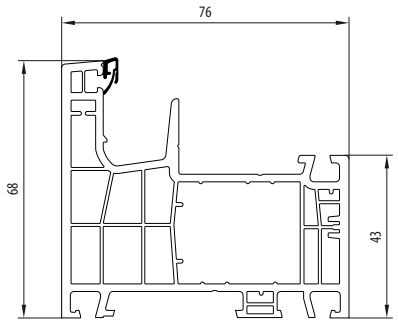




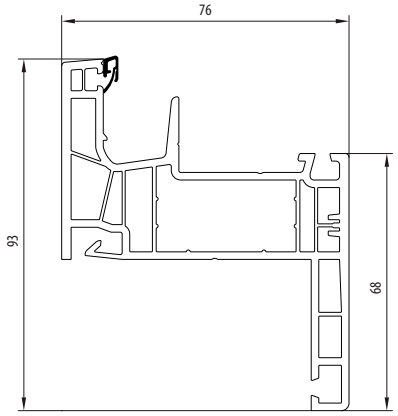

CL ALU 160x01



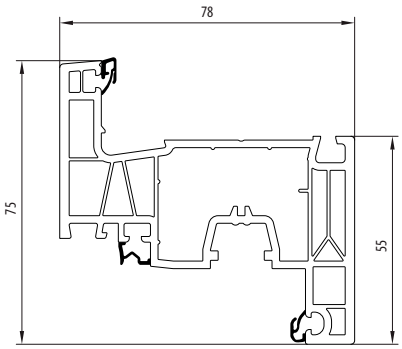

CL ALU 160x02



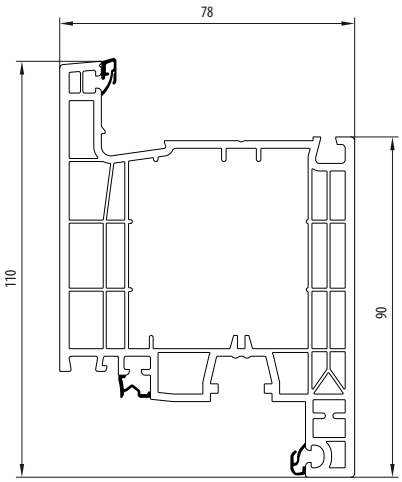

CL ALU 160x07



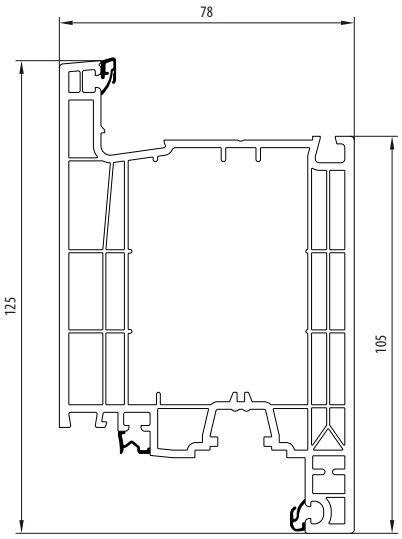

CL 160x15



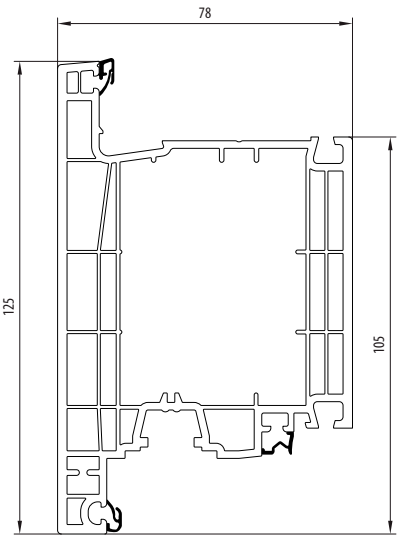

CL ALU 160x20



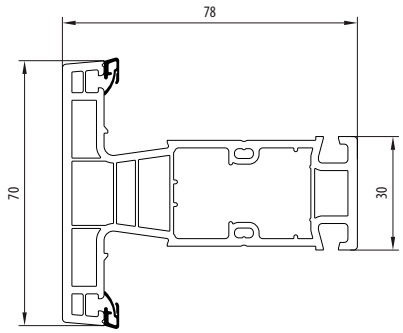

CL ALU 160x30




CL ALU 160x33

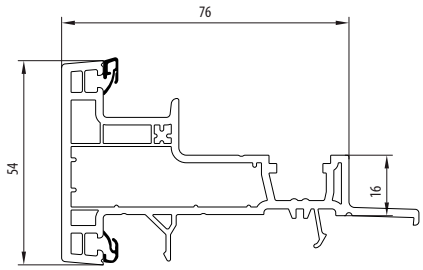



CL 160x35

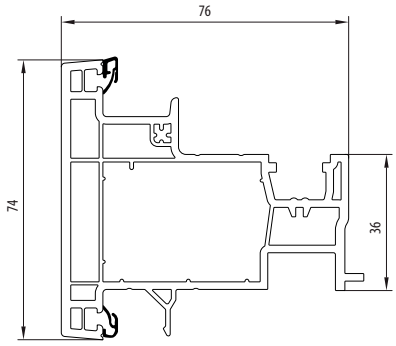



CL ALU 160x48

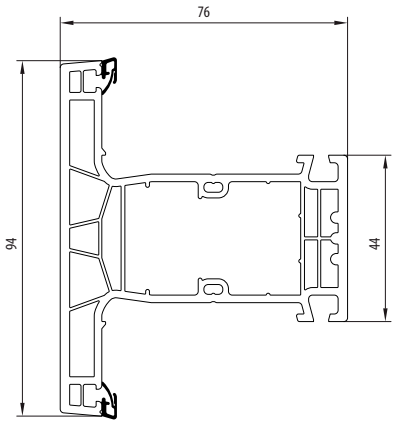
1:2



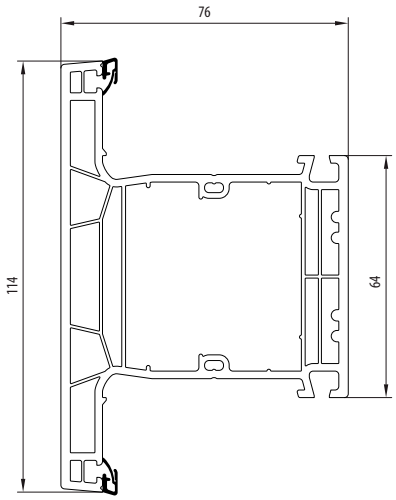

CL ALU 160x64



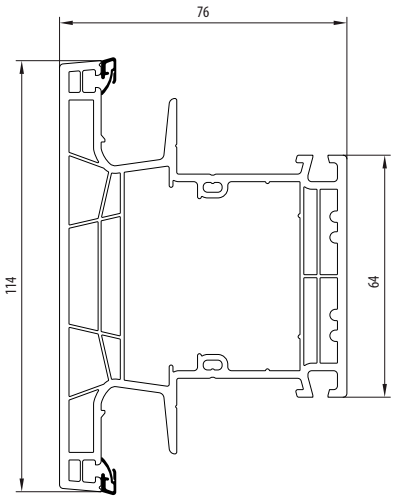

CL ALU 160x66



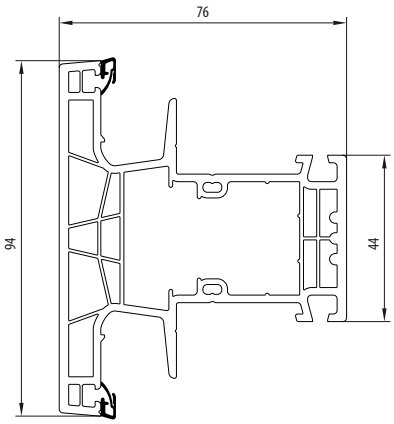

CL ALU 160x41



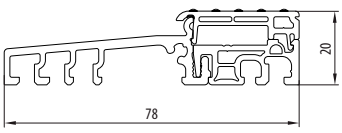

CL ALU 160x43




CL ALU 160x45




CL ALU 160x46

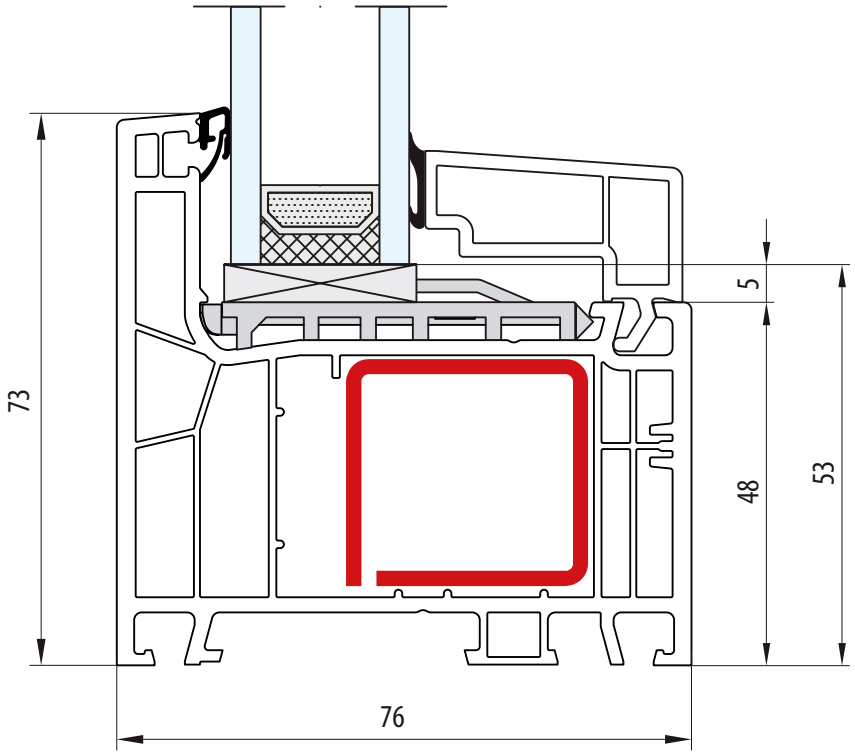



alu - 20 mm

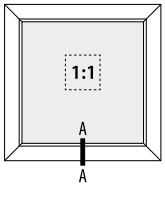
1:2

RL

SL
CL
RL

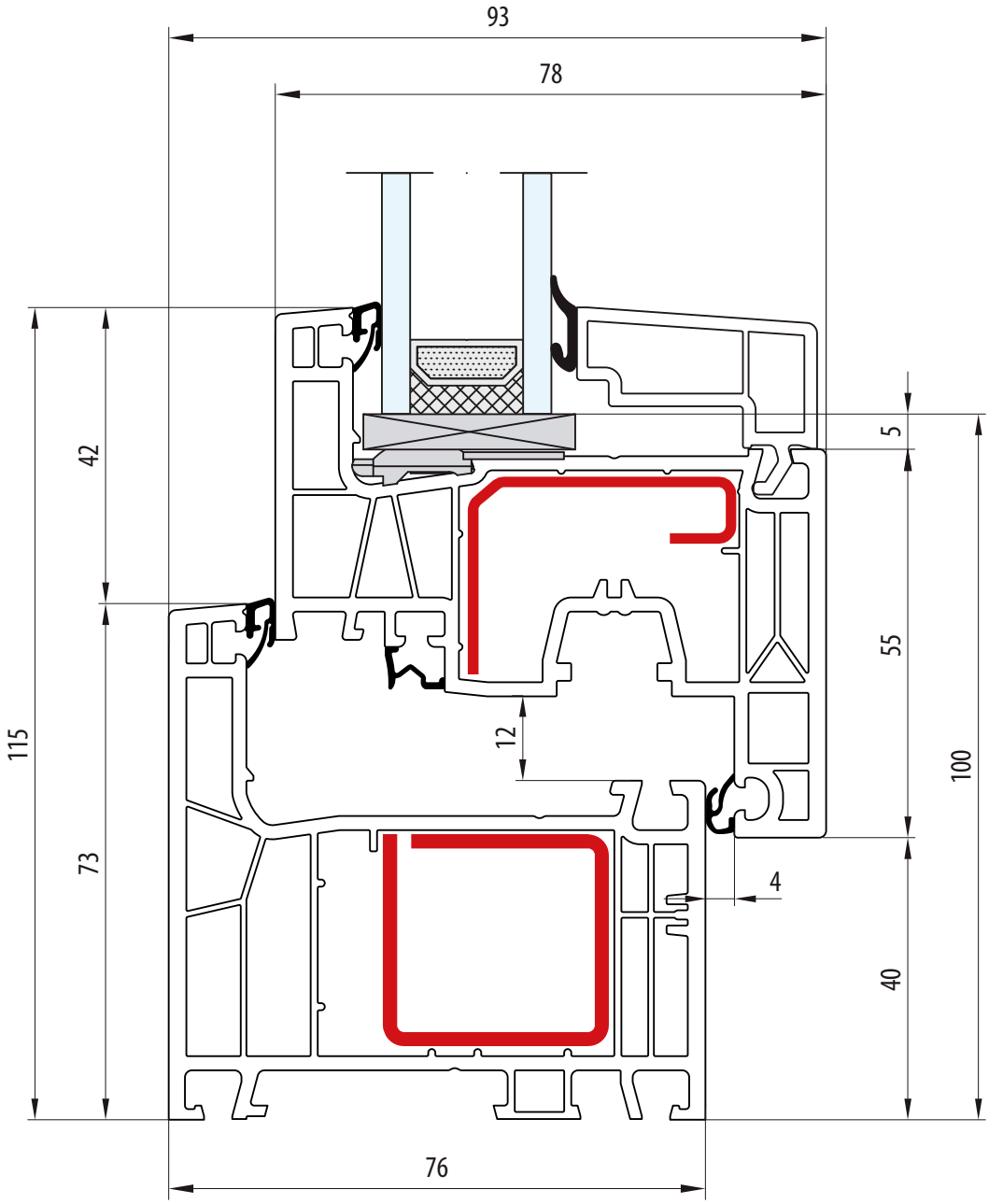



- Rama: 73 mm
- Dormant: 73 mm
- Frame: 73 mm
- Rahmen: 73 mm
- Telaio: 73 mm
- Kader: 73 mm

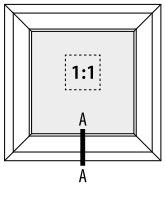


CL

SL
CL
RL

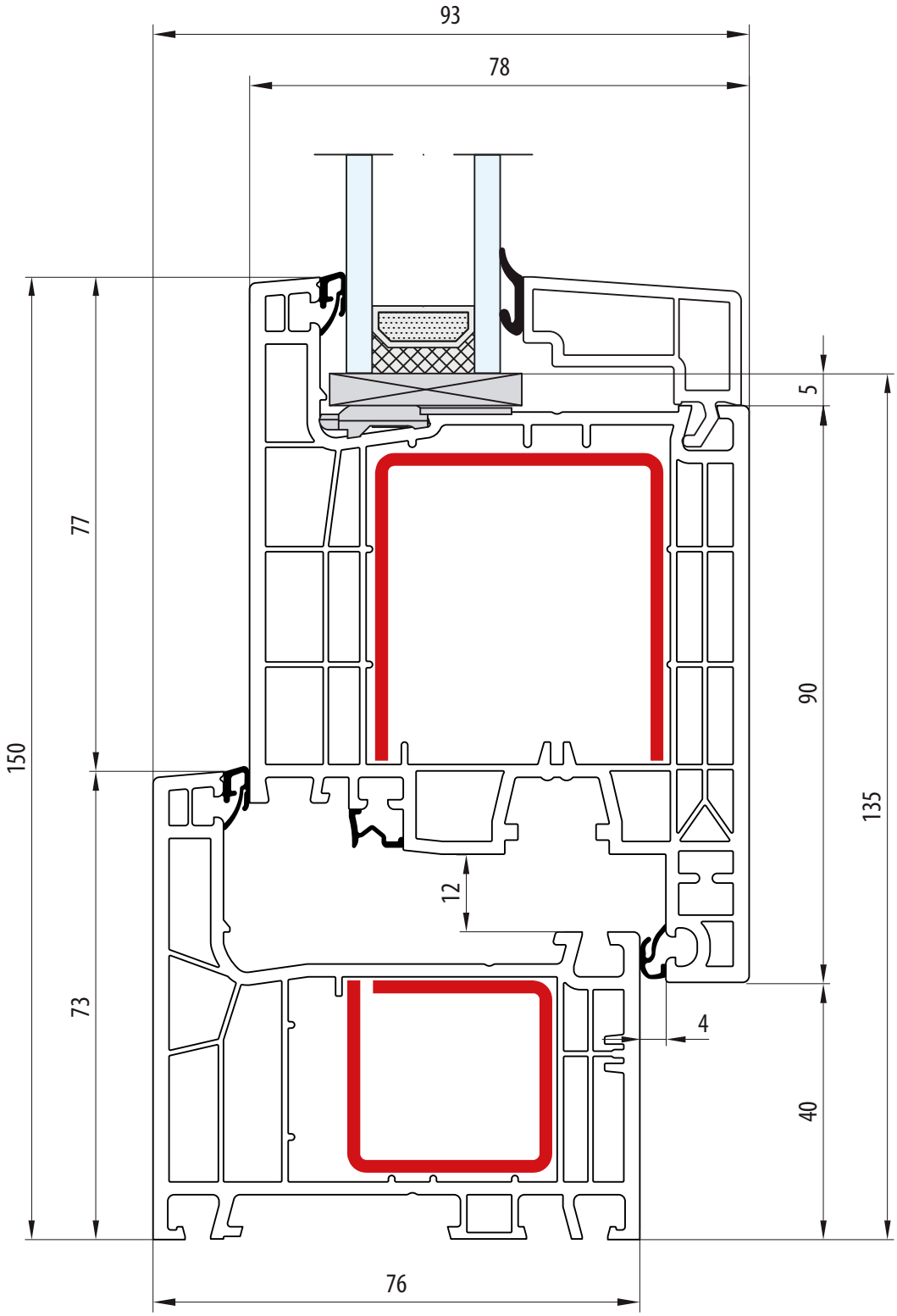



- Rama: 73 mm · Skrzydło: 75 mm
- Dormant: 73 mm · Vantail: 75 mm
- Frame: 73 mm · Sash: 75 mm
- Rahmen: 73 mm · Flügel: 75 mm
- Telaio: 73 mm · Anta: 75 mm
- Kader: 73 mm · Vleugel: 75 mm

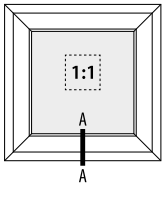


RL

SL
CL
RL

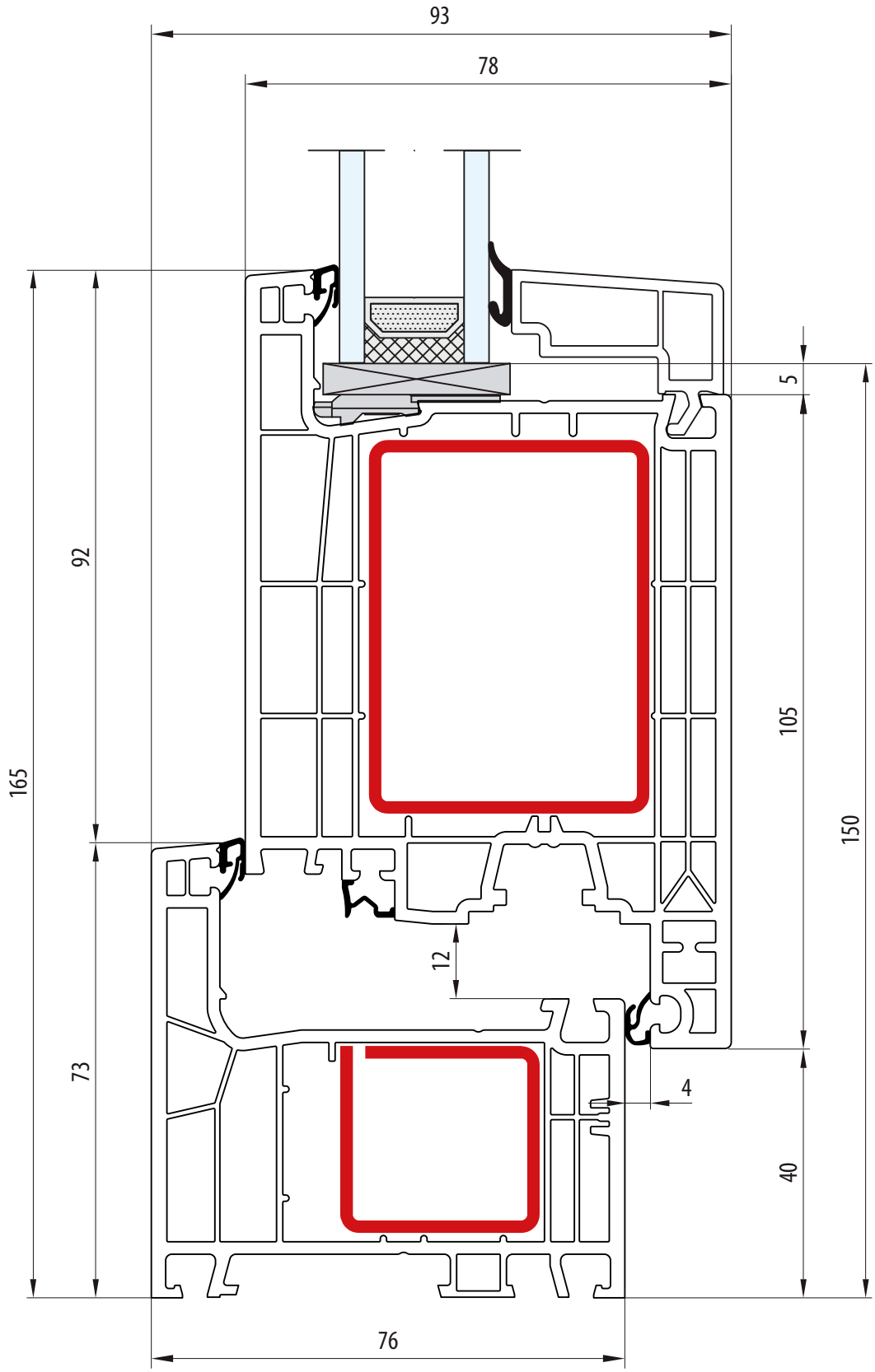



- Rama: 73 mm · Skrzydło: 110 mm
- Dormant: 73 mm · Vantail: 110 mm
- Frame: 73 mm · Sash: 110 mm
- Rahmen: 73 mm · Flügel: 110 mm
- Telaio: 73 mm · Anta: 110 mm
- Kader: 73 mm · Vleugel: 110 mm

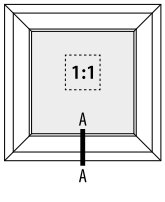






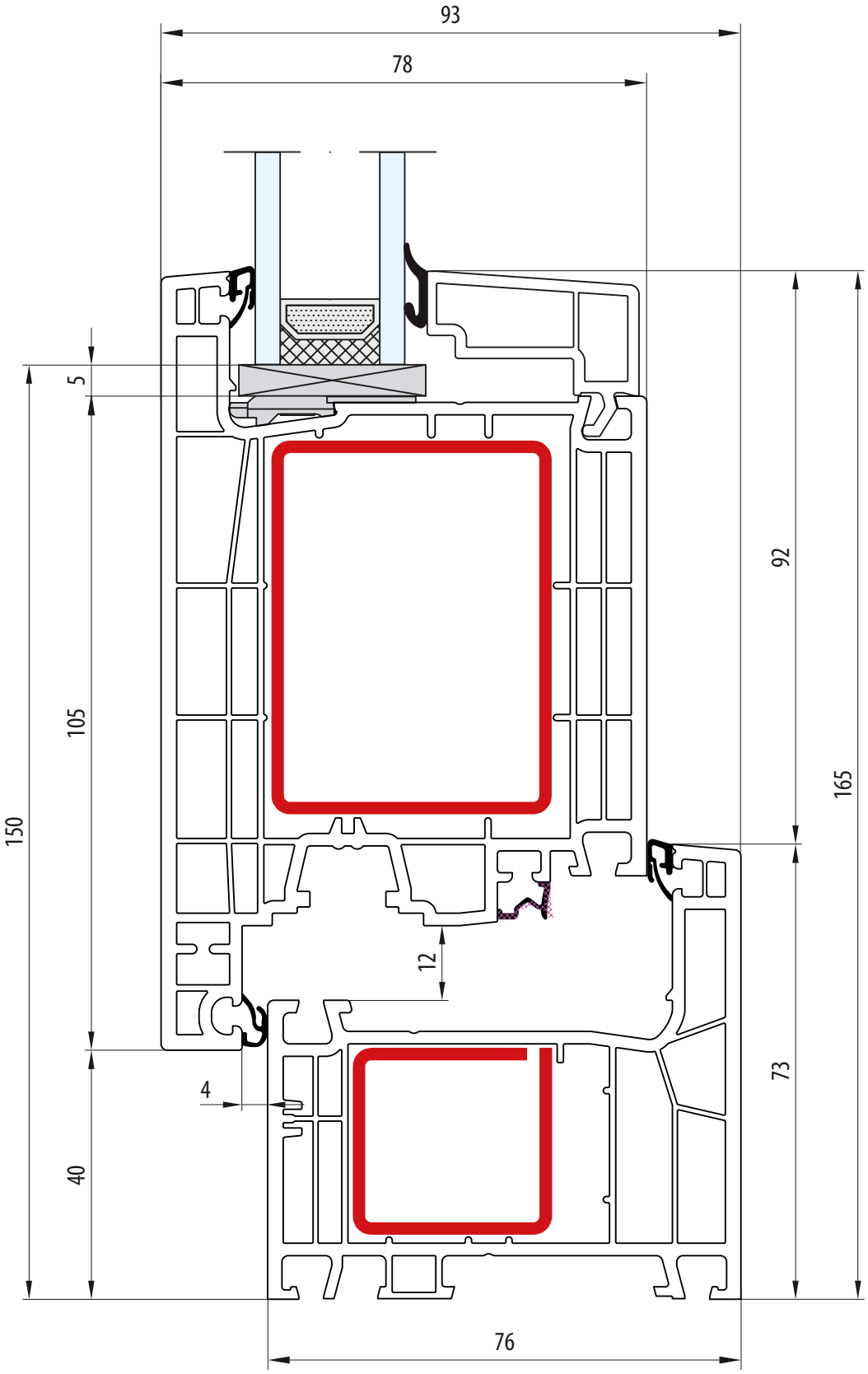




- Rama: 73 mm · Skrzydło: 125 mm
- Dormant: 73 mm · Vantail: 125 mm
- Frame: 73 mm · Sash: 125 mm
- Rahmen: 73 mm · Flügel: 125 mm
- Telaio: 73 mm · Anta: 125 mm
- Kader: 73 mm · Vleugel: 125 mm

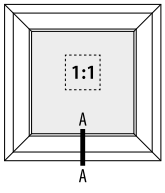


RL

SL
CL
RL




- Rama: 73 mm · Skrzydło: 125 mm
- Dormant: 73 mm · Vantail: 125 mm
- Frame: 73 mm · Sash: 125 mm
- Rahmen: 73 mm · Flügel: 125 mm
- Telaio: 73 mm · Anta: 125 mm
- Kader: 73 mm · Vleugel: 125 mm



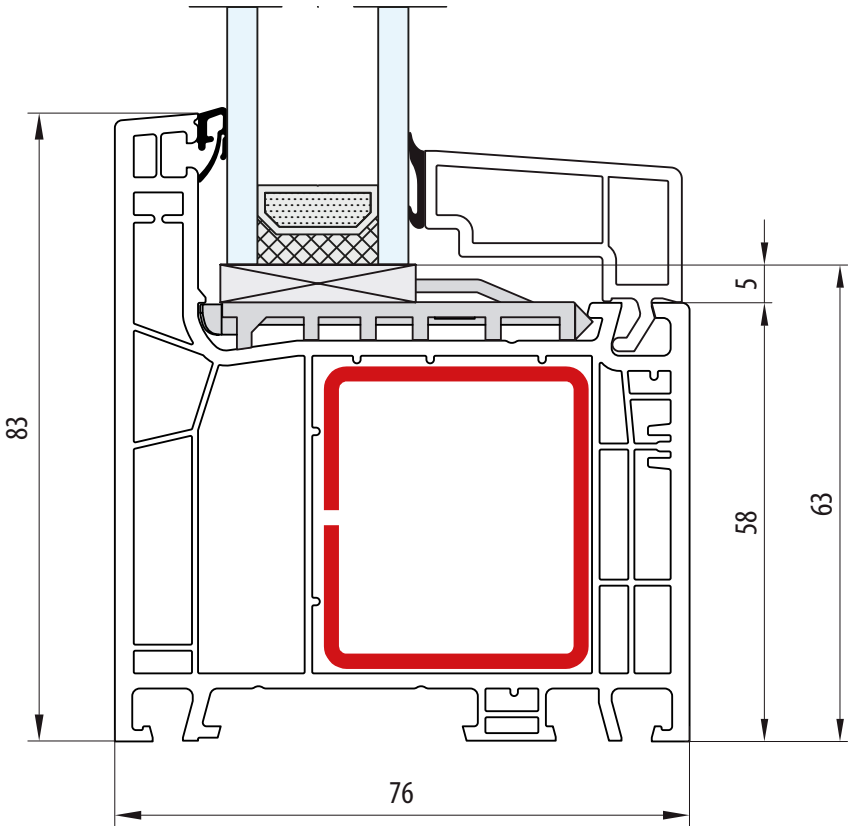




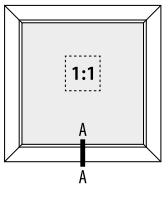


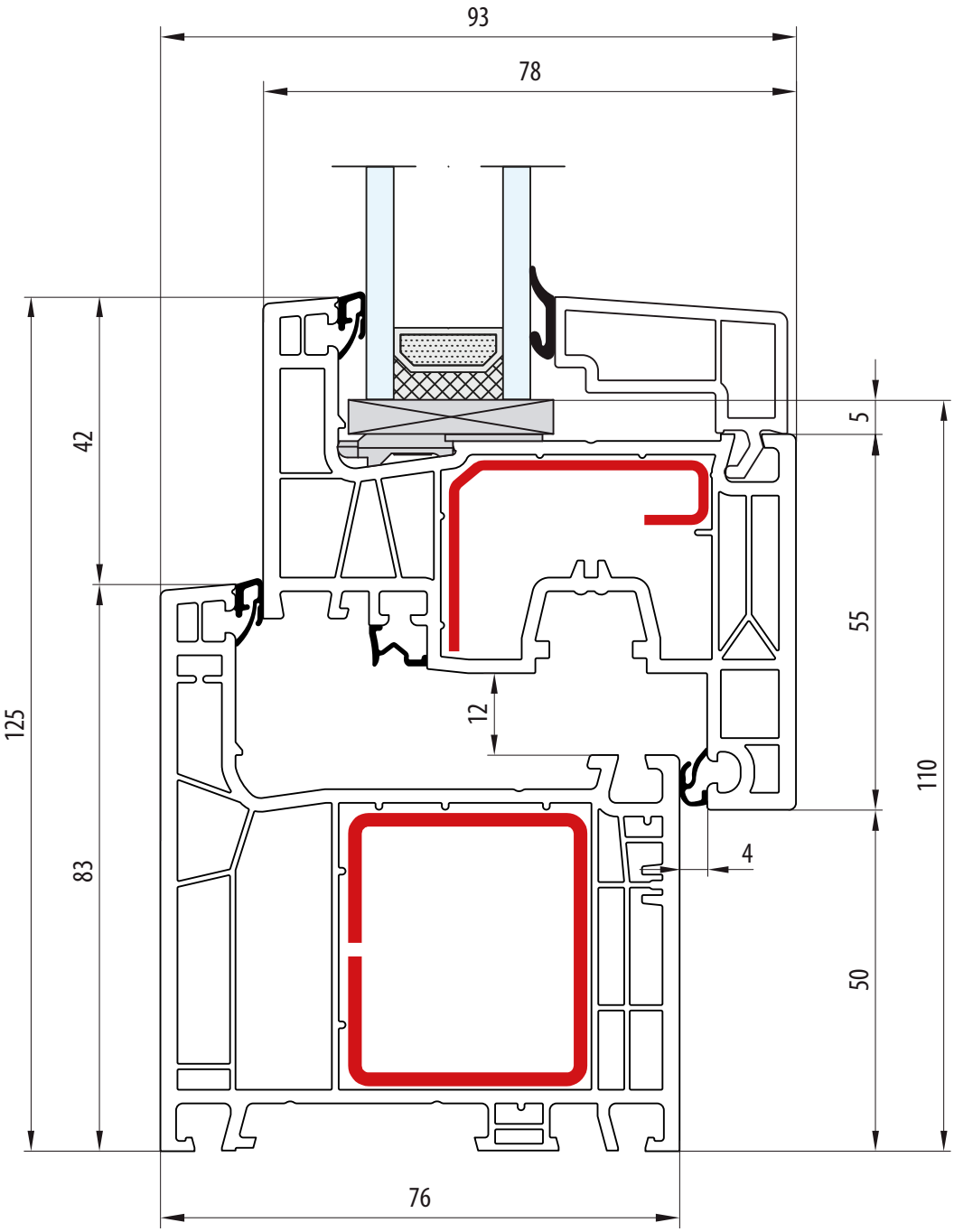




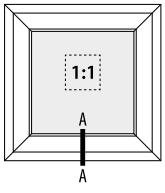


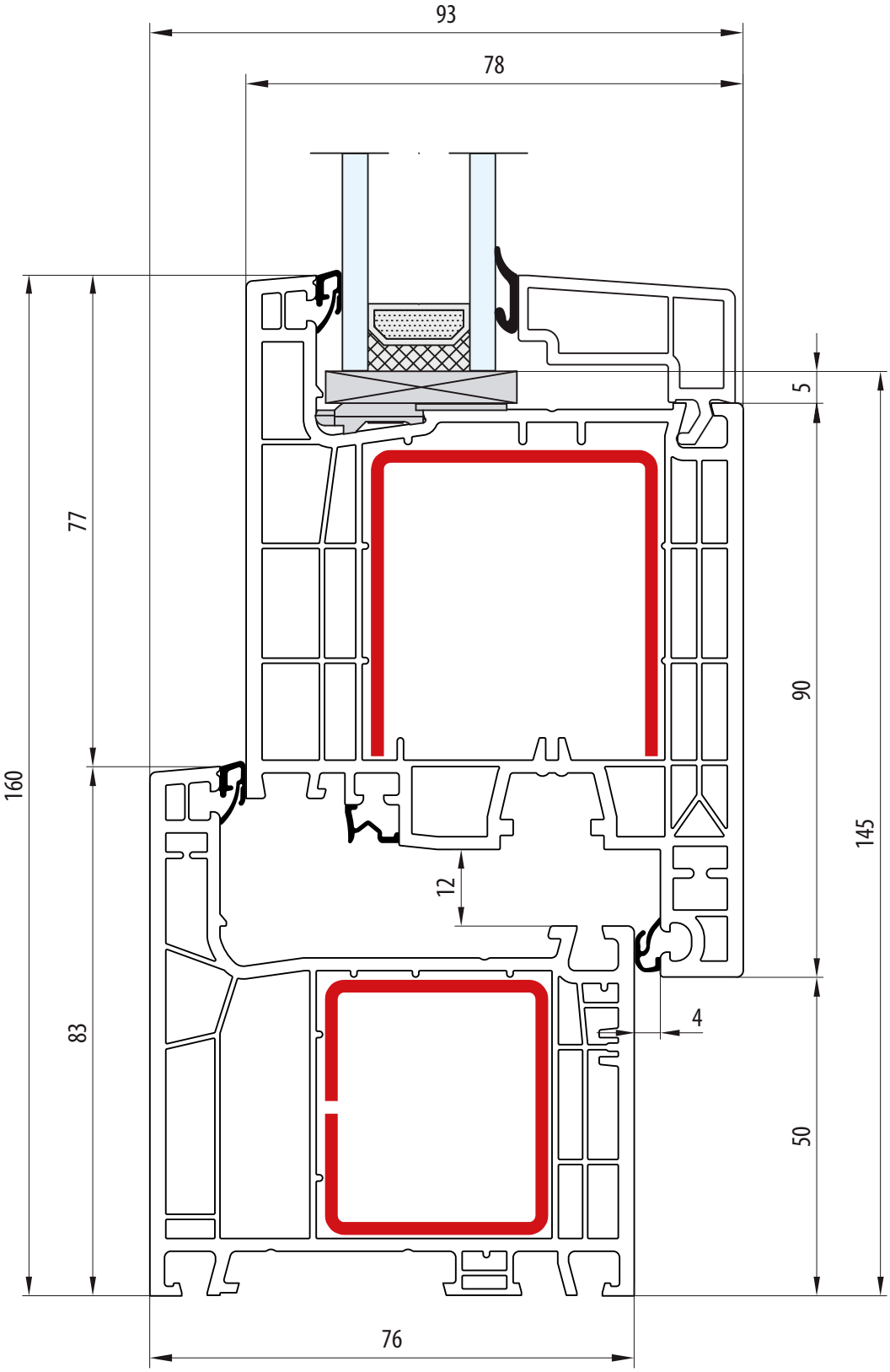

- Rama: 83 mm
- Dormant: 83 mm
- Frame: 83 mm
- Rahmen: 83 mm
- Telaio: 83 mm
- Kader: 83 mm



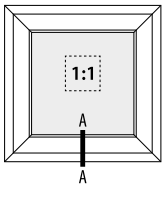



Rama: 83 mm · Skrzydło: 75 mm
Dormant: 83 mm · Vantail: 75 mm
Frame: 83 mm · Sash: 75 mm
Rahmen: 83 mm · Flügel: 75 mm
Telaio: 83 mm · Anta: 75 mm
Kader: 83 mm · Vleugel: 75 mm



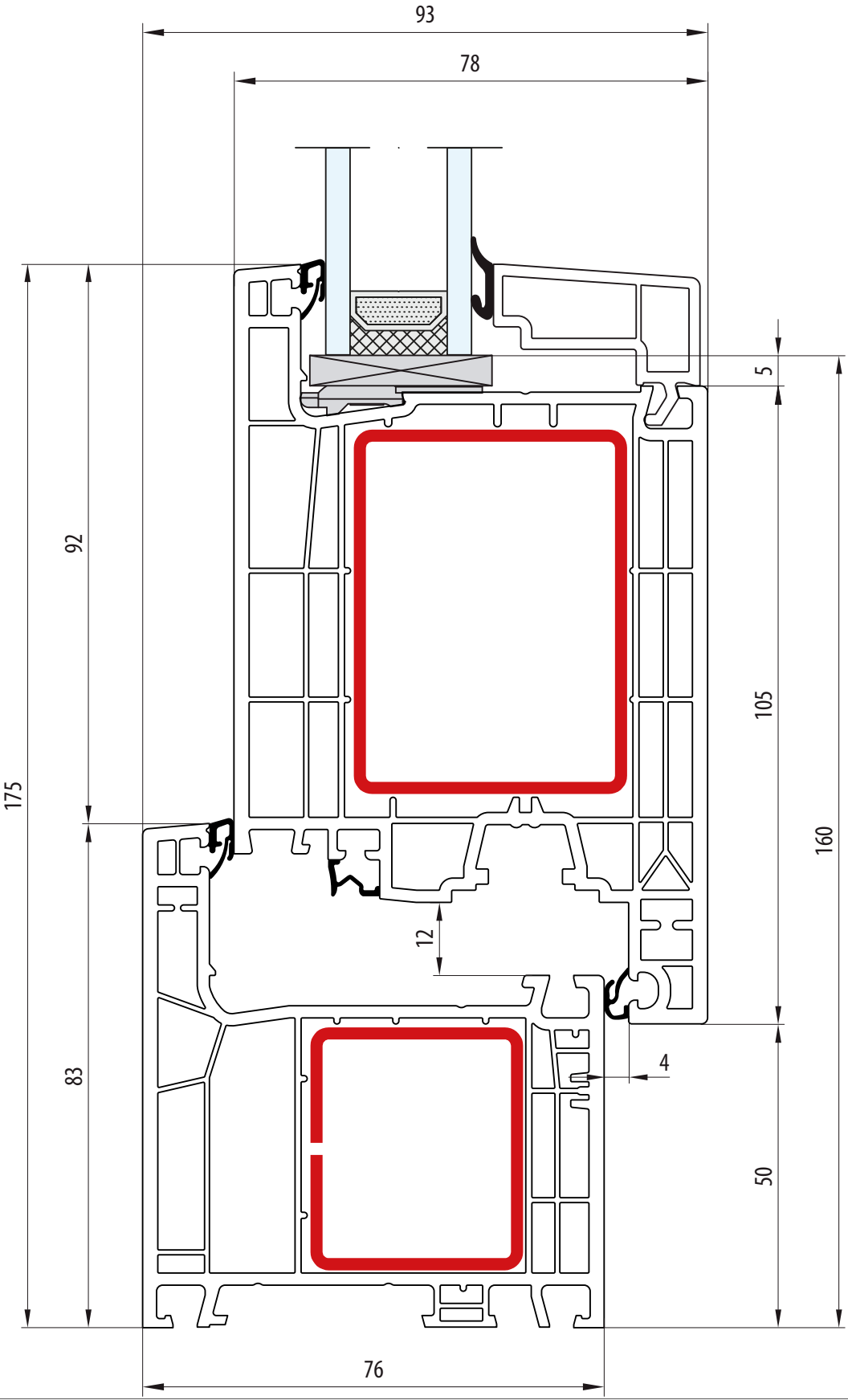



Rama: 83 mm · Skrzydło: 110 mm
Dormant: 83 mm · Vantail: 110 mm
Frame: 83 mm · Sash: 110 mm
Rahmen: 83 mm · Flügel: 110 mm
Telaio: 83 mm · Anta: 110 mm
Kader: 83 mm · Vleugel: 110 mm

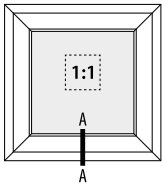


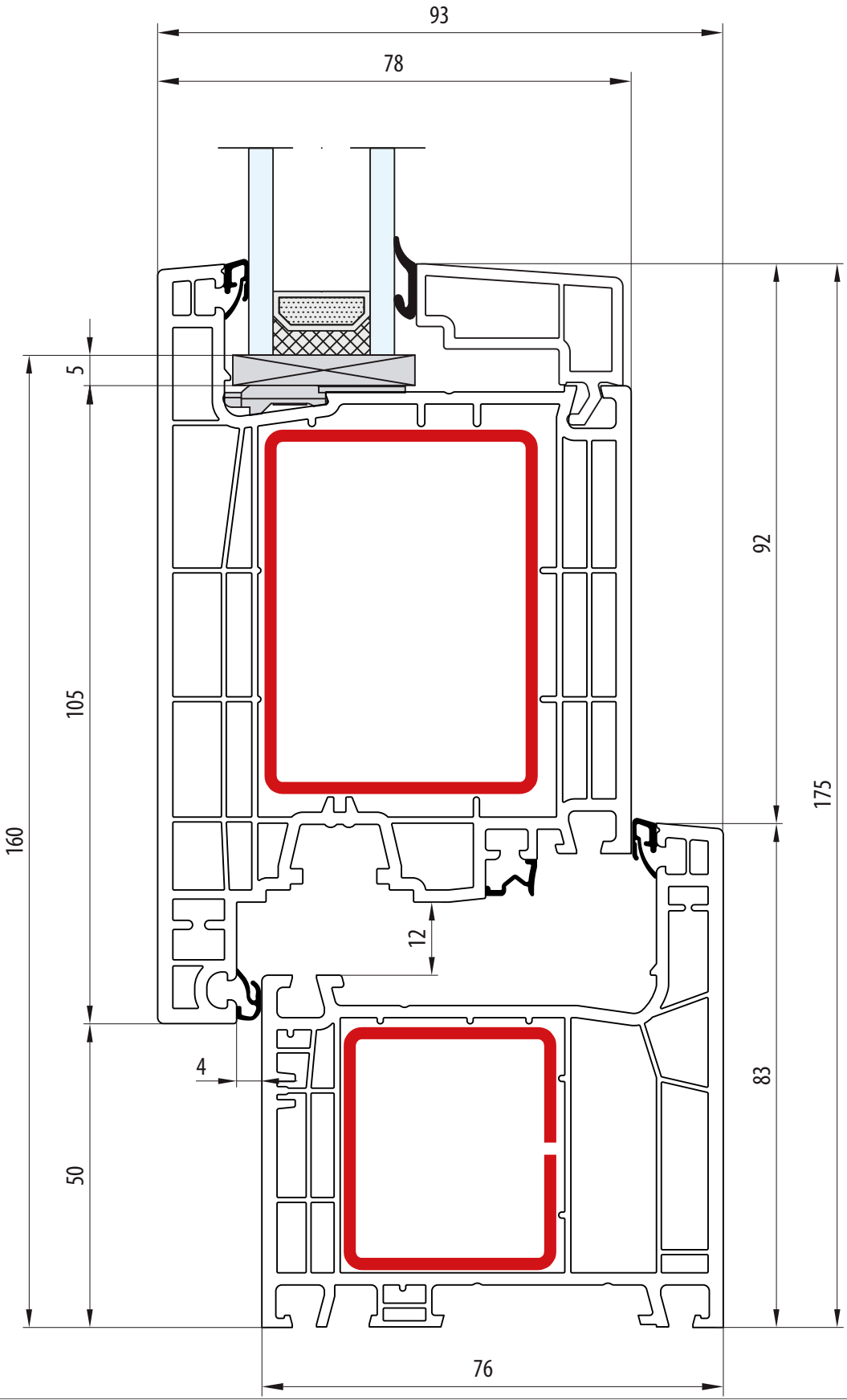
RL

SL
CL
RL

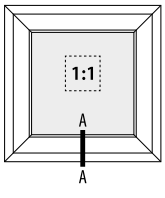



- Rama: 83 mm · Skrzydło: 125 mm
- Dormant: 83 mm · Vantail: 125 mm
- Frame: 83 mm · Sash: 125 mm
- Rahmen: 83 mm · Flügel: 125 mm
- Telaio: 83 mm · Anta: 125 mm
- Kader: 83 mm · Vleugel: 125 mm



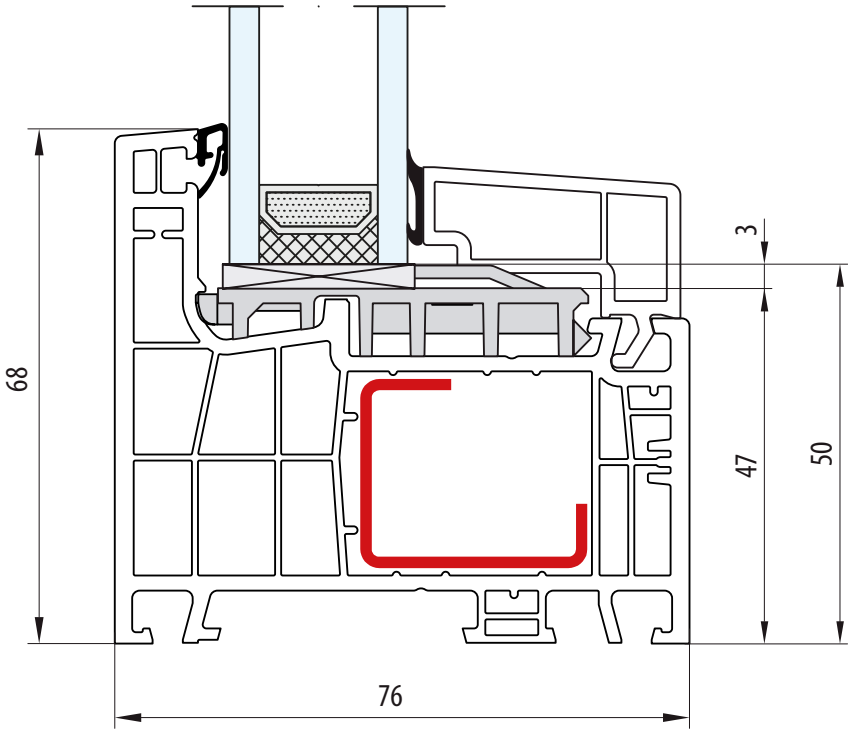



- Rama: 83 mm · Skrzydło: 125 mm
- Dormant: 83 mm · Vantail: 125 mm
- Frame: 83 mm · Sash: 125 mm
- Rahmen: 83 mm · Flügel: 125 mm
- Telaio: 83 mm · Anta: 125 mm
- Kader: 83 mm · Vleugel: 125 mm

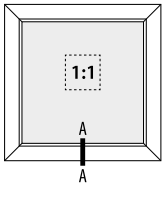


RL

SL
CL
RL

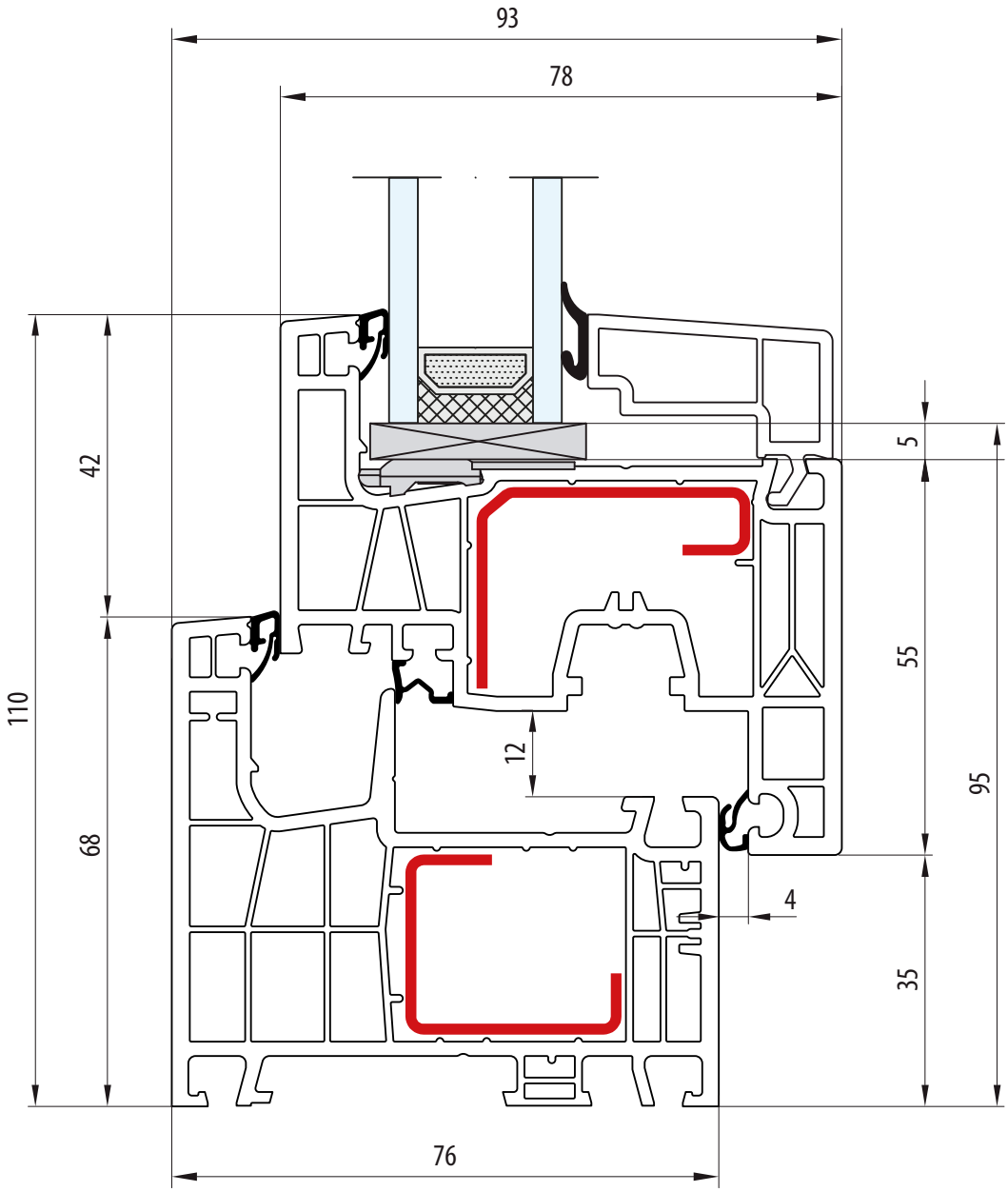



- Rama: 68 mm
- Dormant: 68 mm
- Frame: 68 mm
- Rahmen: 68 mm
- Telaio: 68 mm
- Kader: 68 mm

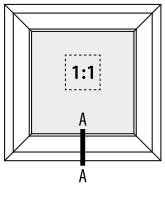


CL

SL
CL
RL

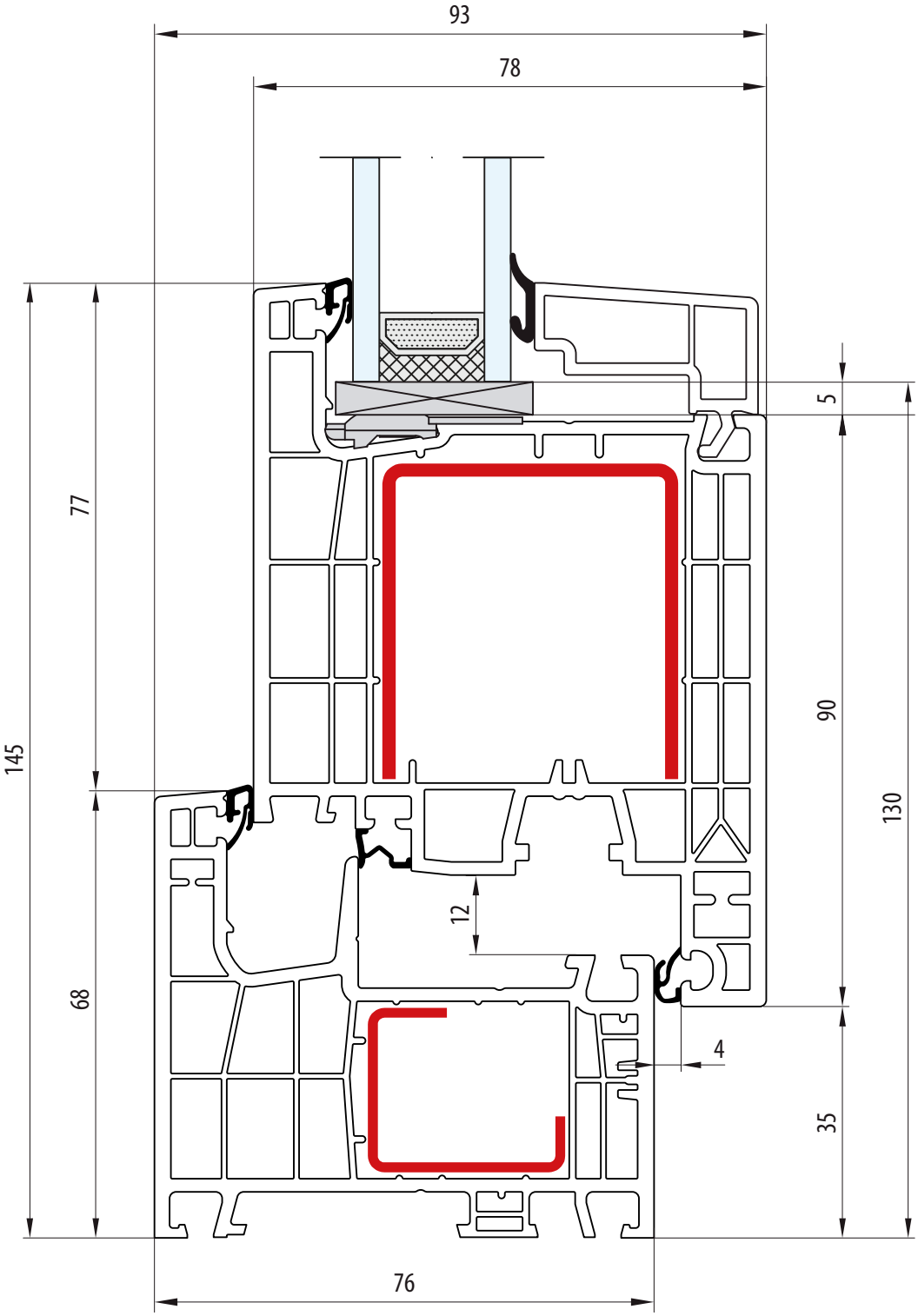



- Rama: 68 mm · Skrzydło: 75 mm
- Dormant: 68 mm · Vantail: 75 mm
- Frame: 68 mm · Sash: 75 mm
- Rahmen: 68 mm · Flügel: 75 mm
- Telaio: 68 mm · Anta: 75 mm
- Kader: 68 mm · Vleugel: 75 mm

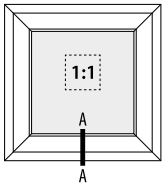


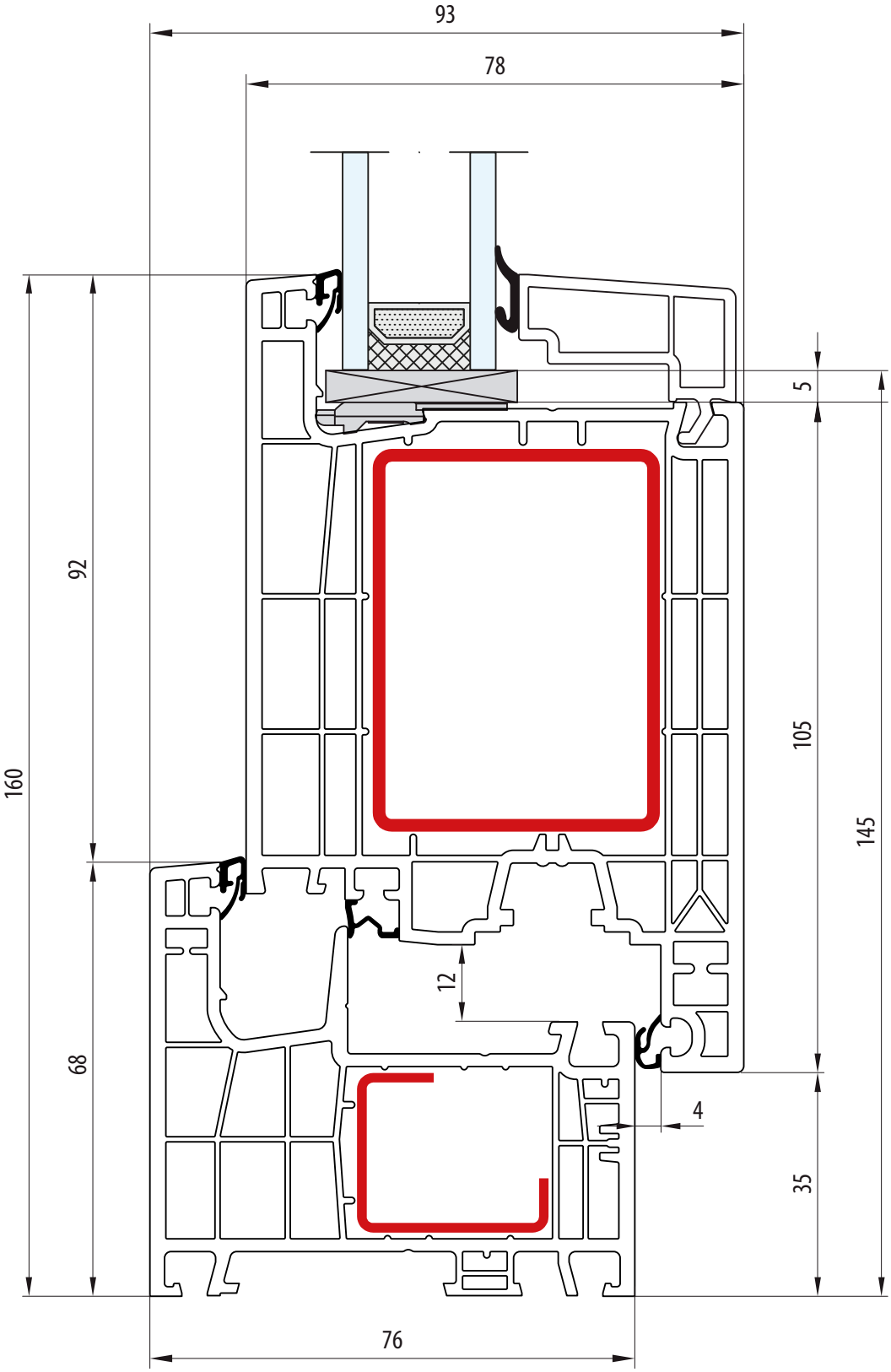
RL

SL
CL
RL

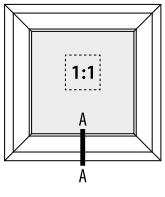



- Rama: 68 mm · Skrzydło: 110 mm
- Dormant: 68 mm · Vantail: 110 mm
- Frame: 68 mm · Sash: 110 mm
- Rahmen: 68 mm · Flügel: 110 mm
- Telaio: 68 mm · Anta: 110 mm
- Kader: 68 mm · Vleugel: 110 mm



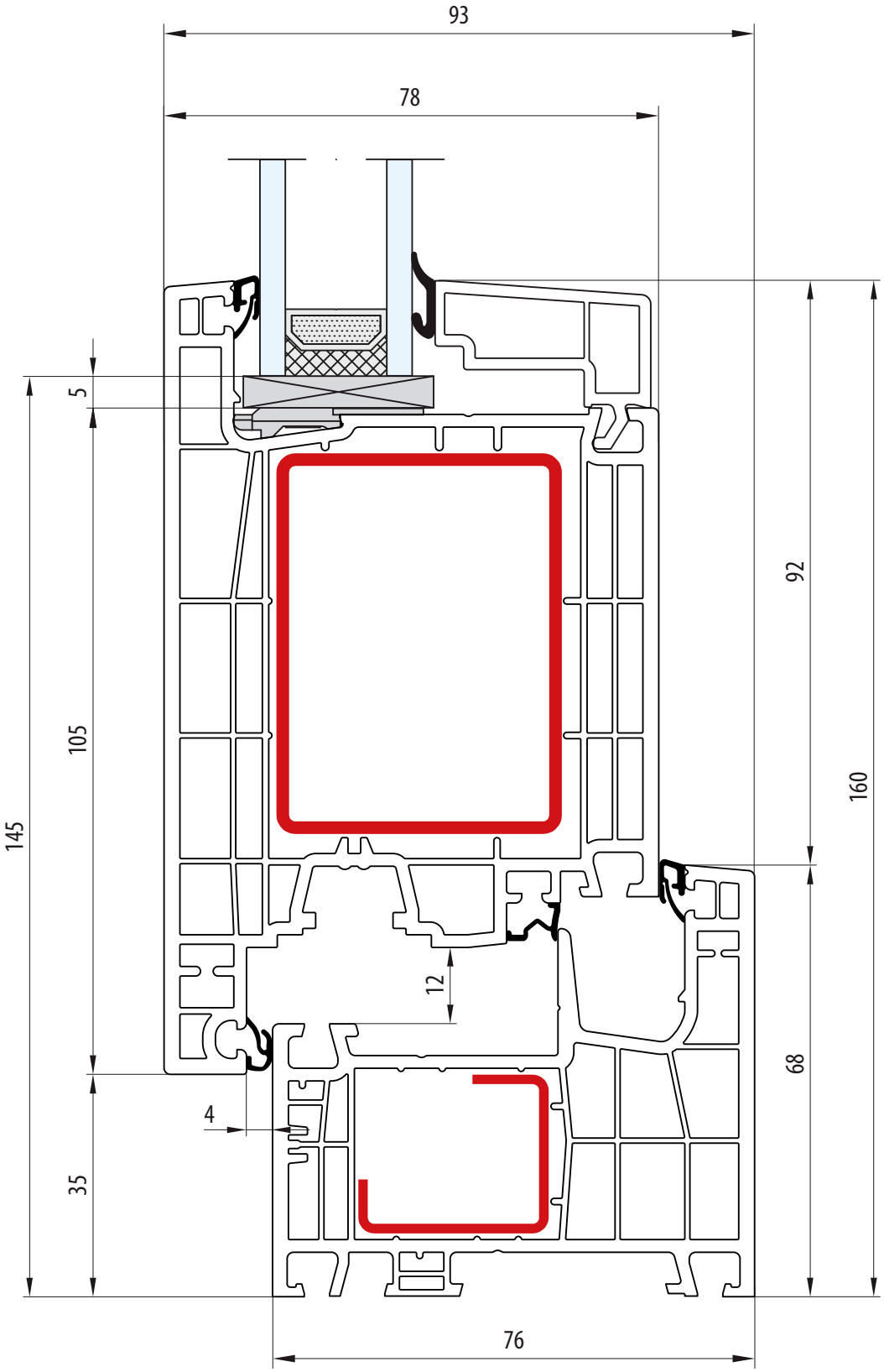



- Rama: 68 mm · Skrzydło: 125 mm
- Dormant: 68 mm · Vantail: 125 mm
- Frame: 68 mm · Sash: 125 mm
- Rahmen: 68 mm · Flügel: 125 mm
- Telaio: 68 mm · Anta: 125 mm
- Kader: 68 mm · Vleugel: 125 mm

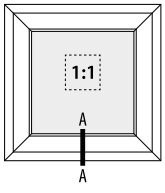


RL

SL
CL
RL




Rama: 68 mm · Skrzydło: 125 mm
Dormant: 68 mm · Vantail: 125 mm
Frame: 68 mm · Sash: 125 mm
Rahmen: 68 mm · Flügel: 125 mm
Telaio: 68 mm · Anta: 125 mm
Kader: 68 mm · Vleugel: 125 mm



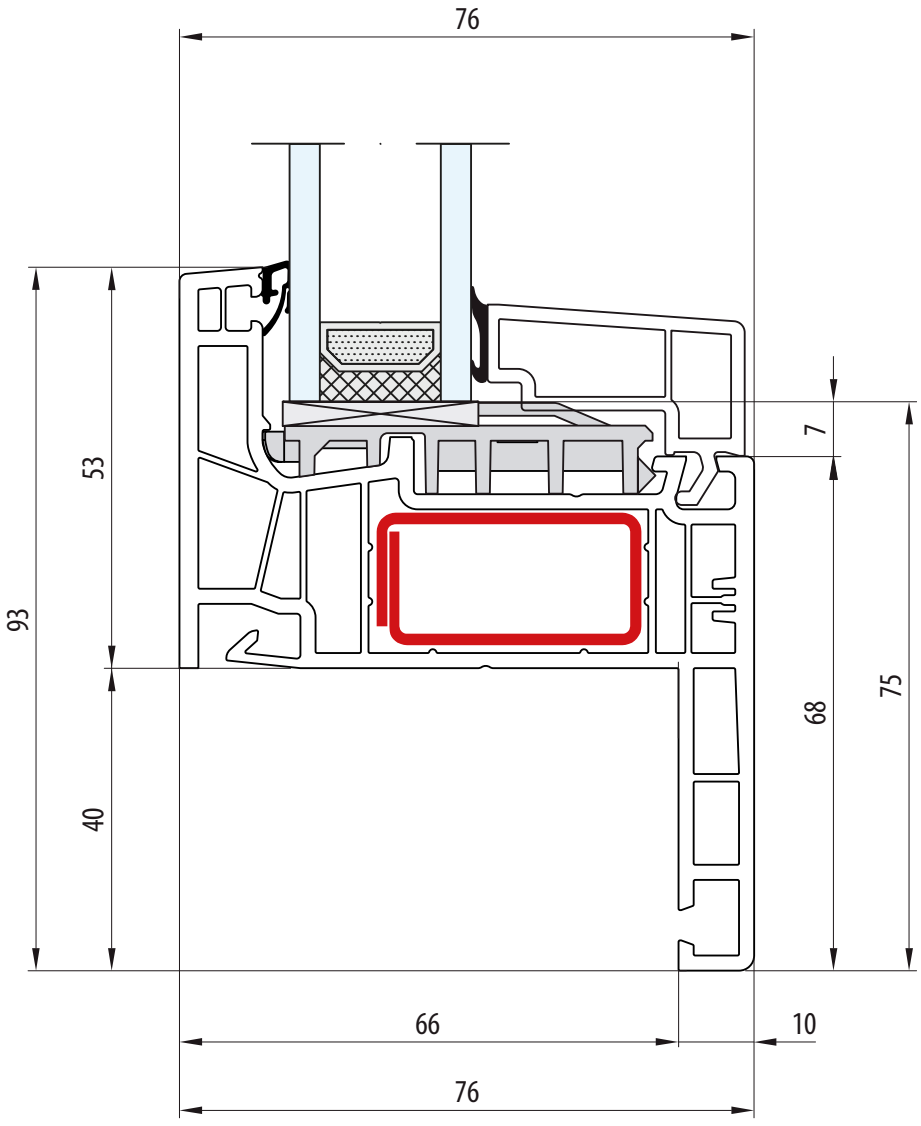




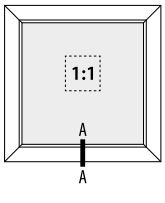






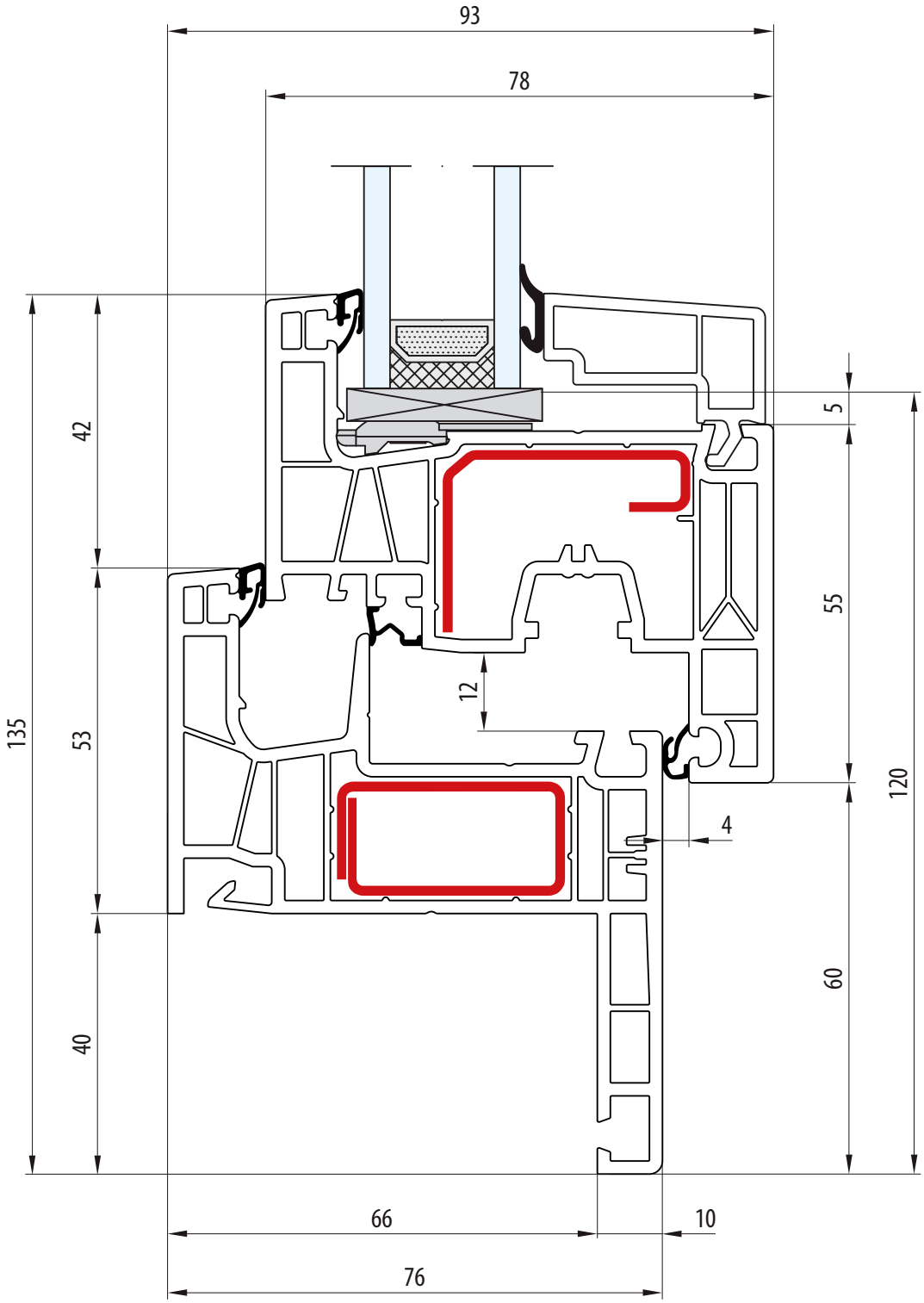



- Rama: 93 mm
- Dormant: 93 mm
- Frame: 93 mm
- Rahmen: 93 mm
- Telaio: 93 mm
- Kader: 93 mm

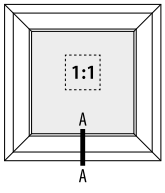


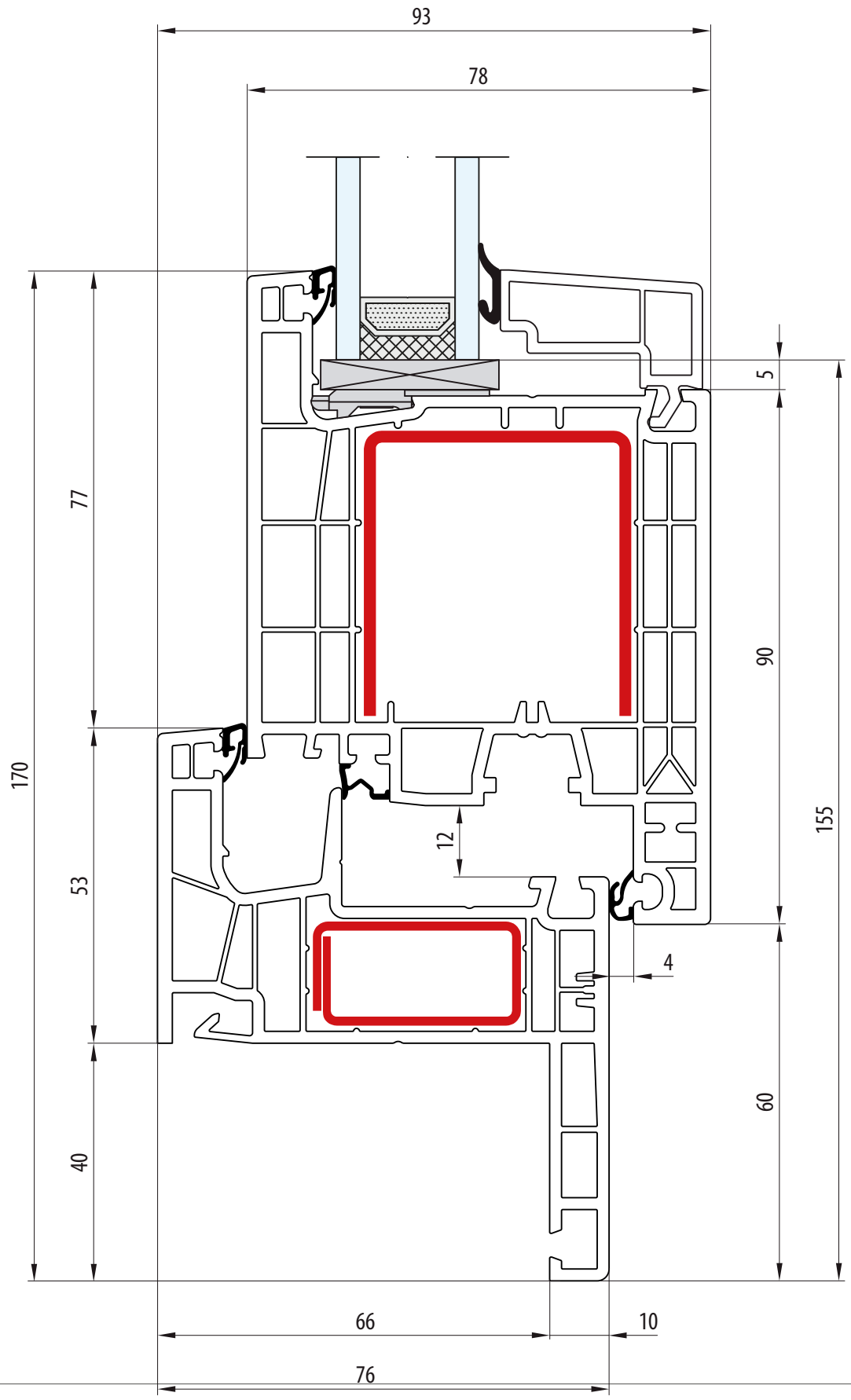
RL

SL
CL
RL

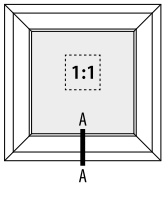



Rama: 93 mm · Skrzydło: 75 mm
Dormant: 93 mm · Vantail: 75 mm
Frame: 93 mm · Sash: 75 mm
Rahmen: 93 mm · Flügel: 75 mm
Telaio: 93 mm · Anta: 75 mm
Kader: 93 mm · Vleugel: 75 mm



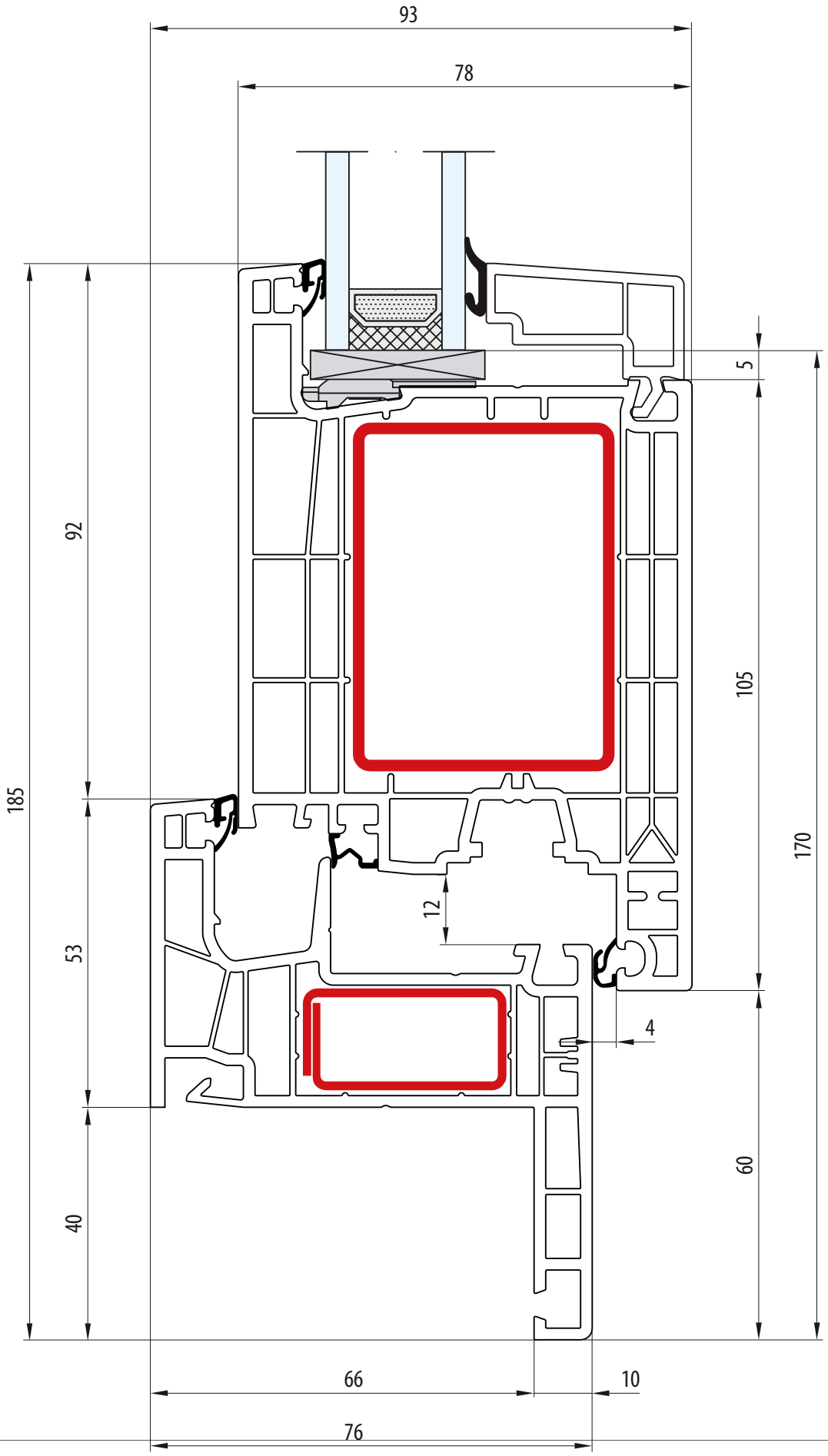



- Rama: 93 mm · Skrzydło: 110 mm
- Dormant: 93 mm · Vantail: 110 mm
- Frame: 93 mm · Sash: 110 mm
- Rahmen: 93 mm · Flügel: 110 mm
- Telaio: 93 mm · Anta: 110 mm
- Kader: 93 mm · Vleugel: 110 mm

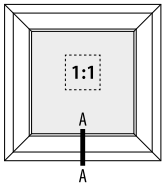


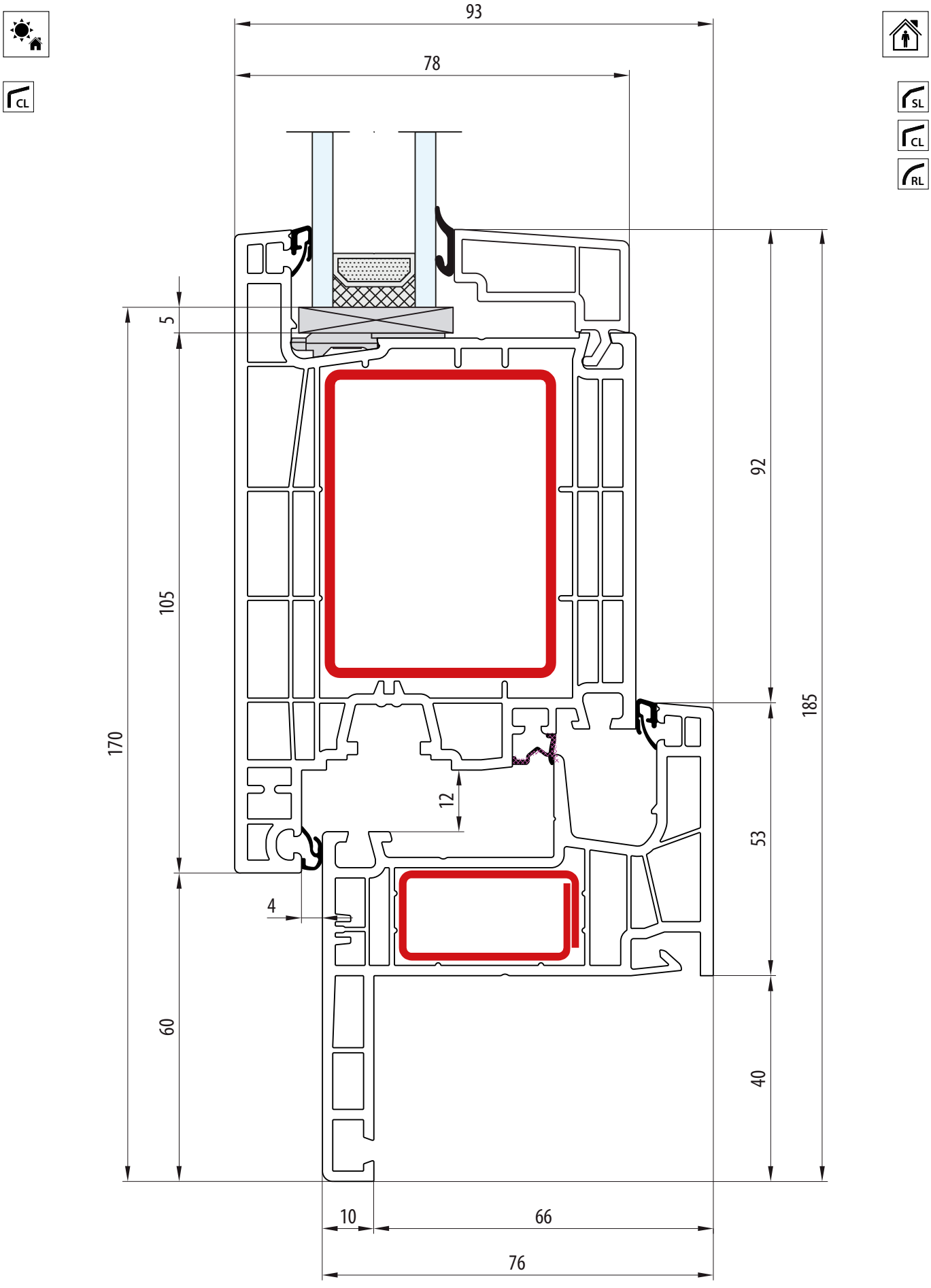
RL

SL
CL
RL

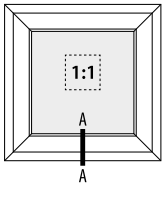



Rama: 93 mm · Skrzydło: 125 mm
Dormant: 93 mm · Vantail: 125 mm
Frame: 93 mm · Sash: 125 mm
Rahmen: 93 mm · Flügel: 125 mm
Telaio: 93 mm · Anta: 125 mm
Kader: 93 mm · Vleugel: 125 mm



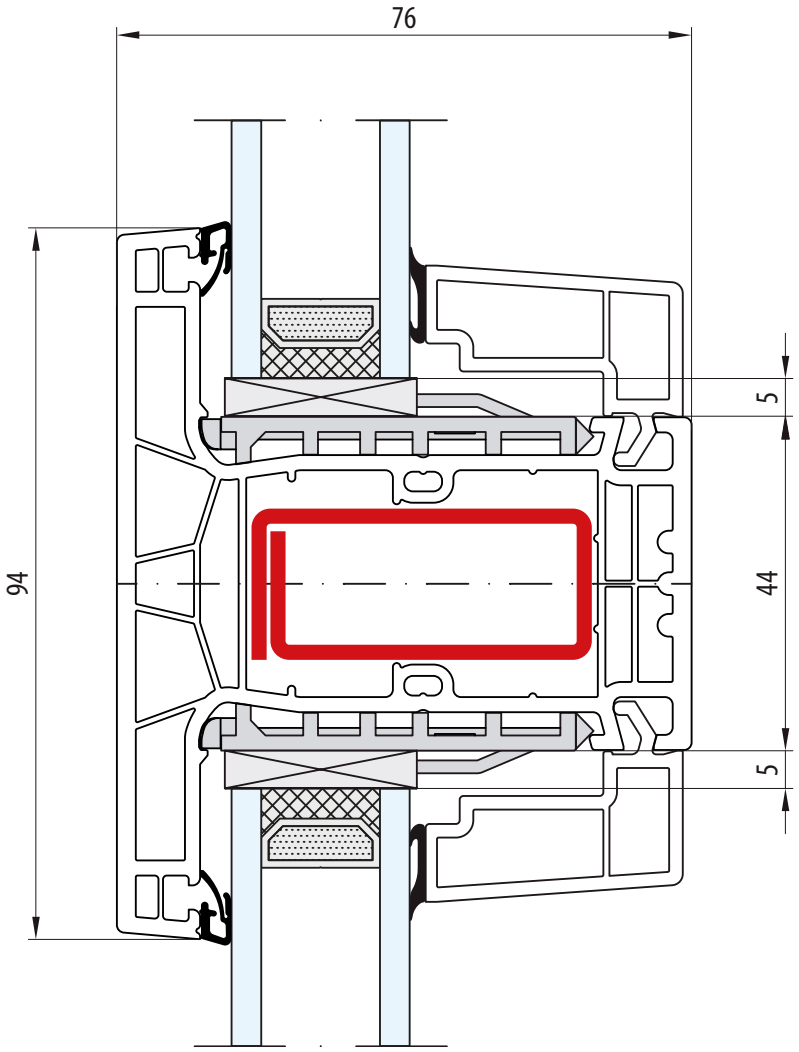



- Rama: 93 mm · Skrzydło: 125 mm
- Dormant: 93 mm · Vantail: 125 mm
- Frame: 93 mm · Sash: 125 mm
- Rahmen: 93 mm · Flügel: 125 mm
- Telaio: 93 mm · Anta: 125 mm
- Kader: 93 mm · Vleugel: 125 mm

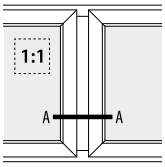


RL

SL
CL
RL




- Słupek stały: 94 mm
- Meneau fixe: 94 mm
- Fix post: 94 mm
- Festem Pfahl: 94 mm
- Montante fisso: 94 mm
- Vaste stijl: 94 mm



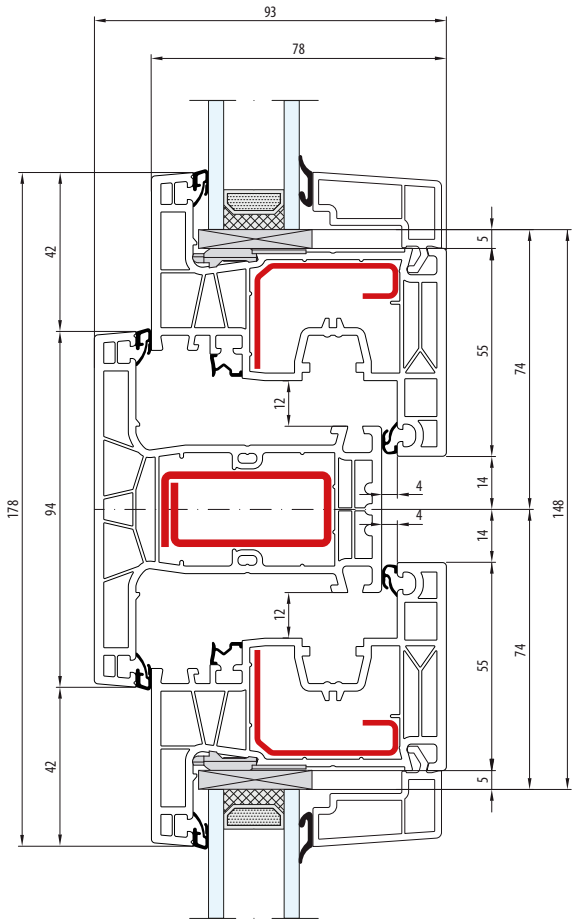




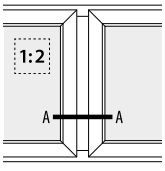






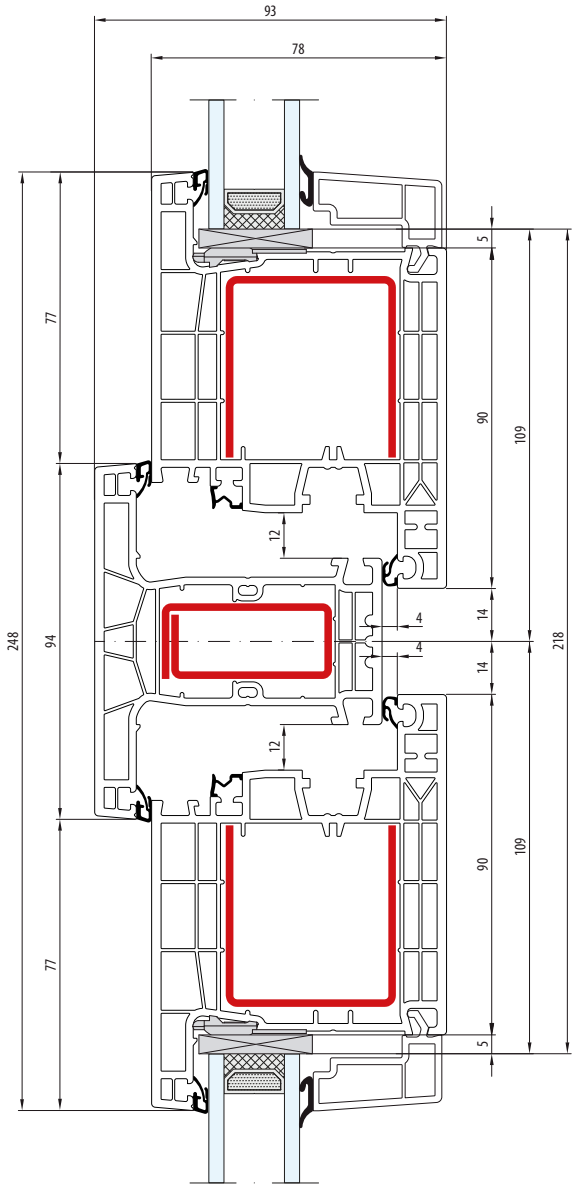



- Słupek stały: 94 mm · Skrzydło: 75 mm
- Meneau fixe: 94 mm · Vantail: 75 mm
- Fix post: 94 mm · Sash: 75 mm
- Festem Pfahl: 94 mm · Flügel: 75 mm
- Montante fisso: 94 mm · Anta: 75 mm
- Vaste stijl: 94 mm · Vleugel: 75 mm

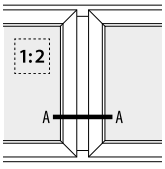


RL

SL
CL
RL

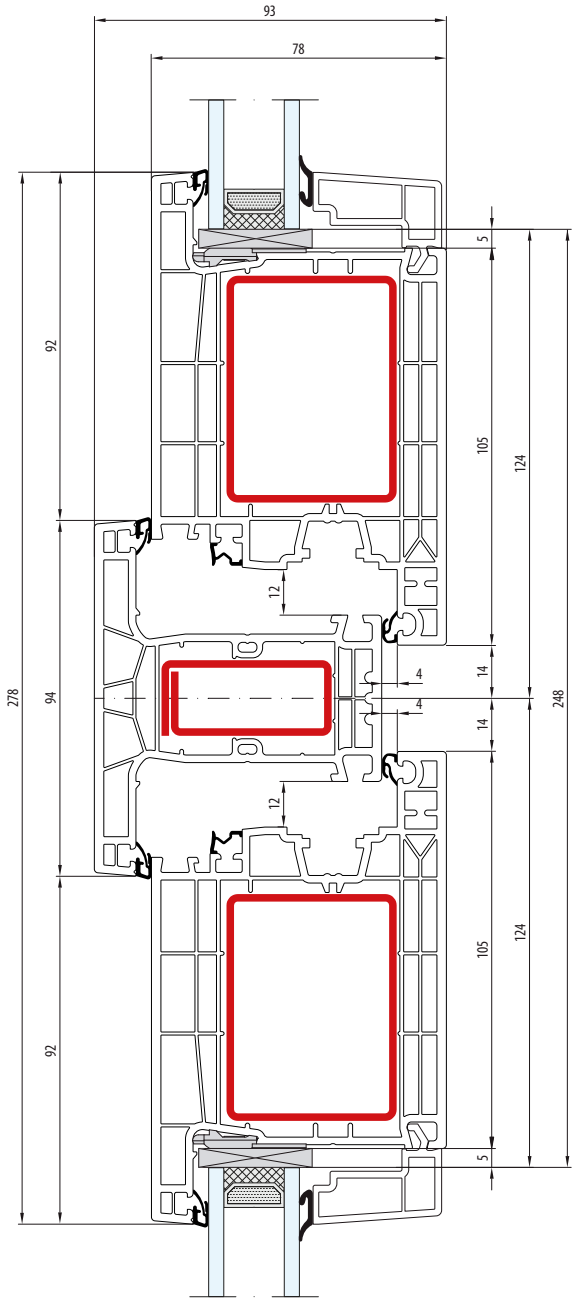



Słupek stały: 94 mm · Skrzydło: 110 mm
Meneau fixe: 94 mm · Vantail: 110 mm
Fix post: 94 mm · Sash: 110 mm
Festem Pfahl: 94 mm · Flügel: 110 mm
Montante fisso: 94 mm · Anta: 110 mm
Vaste stijl: 94 mm · Vleugel: 110 mm

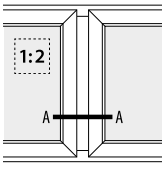


CL

SL CL RL

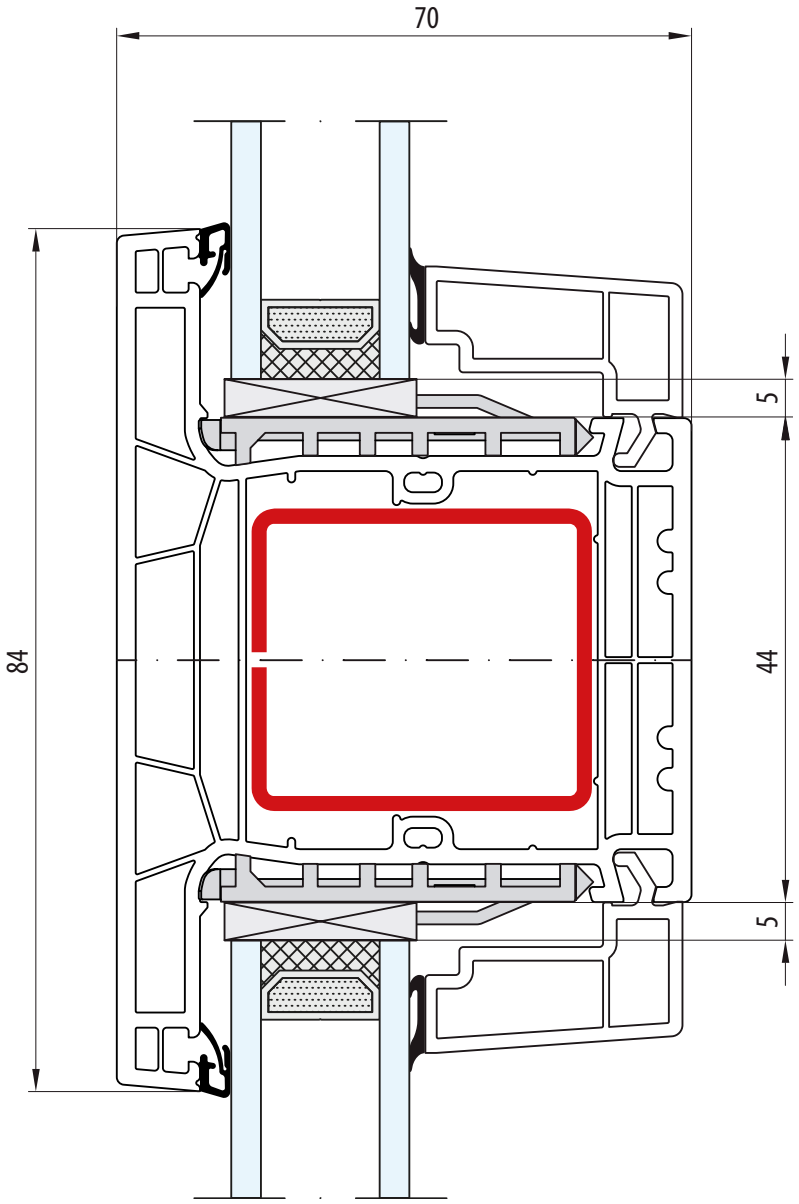



- Słupek stały: 94 mm · Skrzydło:125 mm
- Meneau fixe: 94 mm · Vantail: 125 mm
- Fix post: 94 mm · Sash: 125 mm
- Festem Pfahl: 94 mm · Flügel: 125 mm
- Montante fisso: 94 mm · Anta: 125 mm
- Vaste stijl: 94 mm · Vleugel: 125 mm

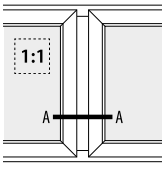


RL

SL
CL
RL




- Słupek stały: 114 mm
- Meneau fixe: 114 mm
- Fix post: 114 mm
- Festem Pfahl: 114 mm
- Montante fisso: 114 mm
- Vaste stijl: 114 mm









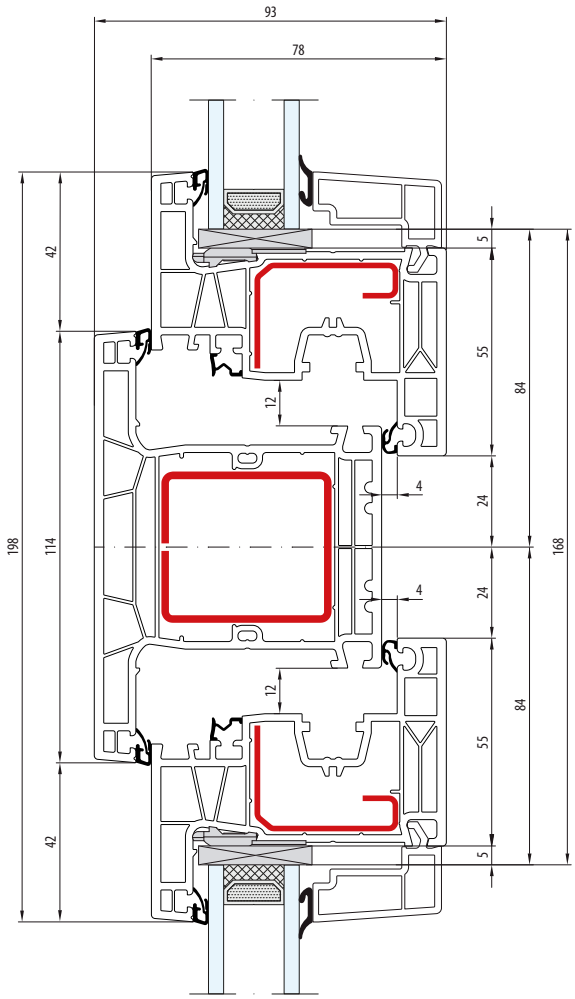




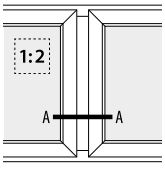






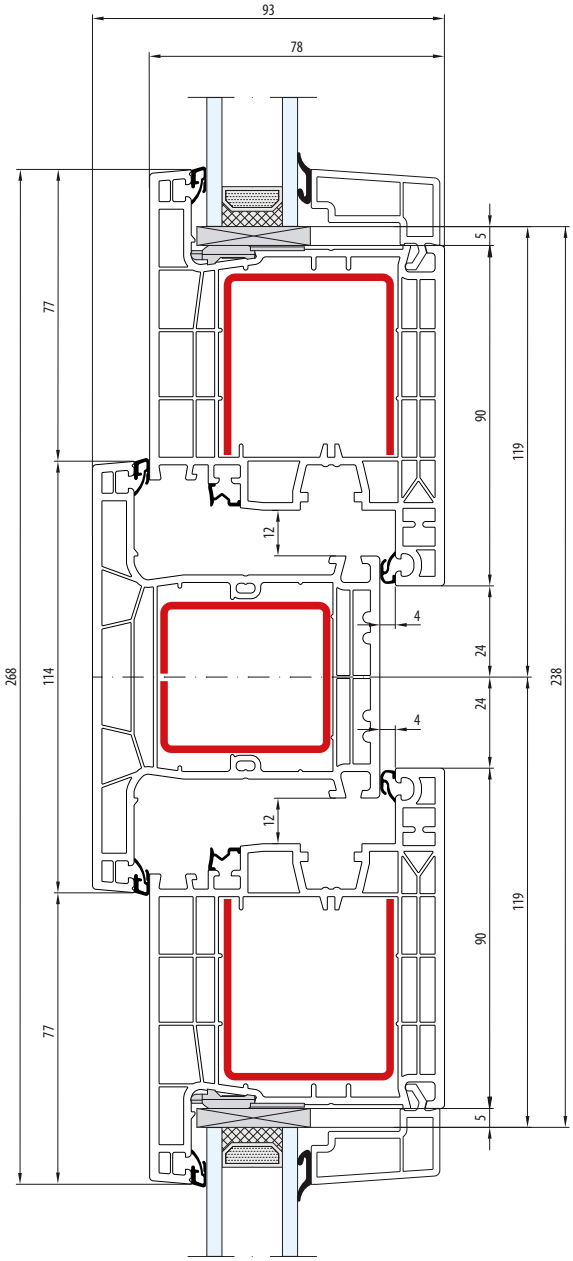



- Słupek stały: 114 mm · Skrzydło: 75 mm
- Meneau fixe: 114 mm · Vantail: 75 mm
- Fix post: 114 mm · Sash: 75 mm
- Festem Pfahl: 114 mm · Flügel: 75 mm
- Montante fisso: 114 mm · Anta: 75 mm
- Vaste stijl: 114 mm · Vleugel: 75 mm

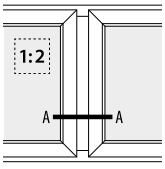


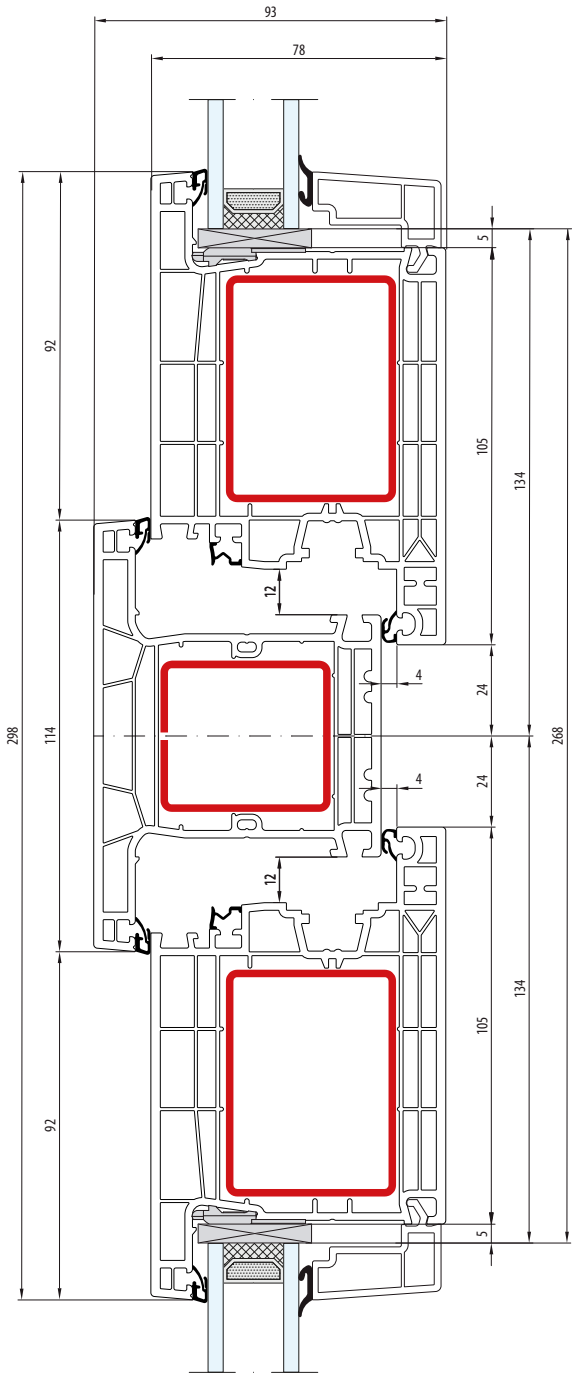
RL

SL
CL
RL

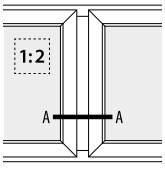



- Słupek stały: 114 mm · Skrzydło: 110 mm
- Meneau fixe: 114 mm · Vantail: 110 mm
- Fix post: 114 mm · Sash: 110 mm
- Festem Pfahl: 114 mm · Flügel: 110 mm
- Montante fisso: 114 mm · Anta: 110 mm
- Vaste stijl: 114 mm · Vleugel: 110 mm



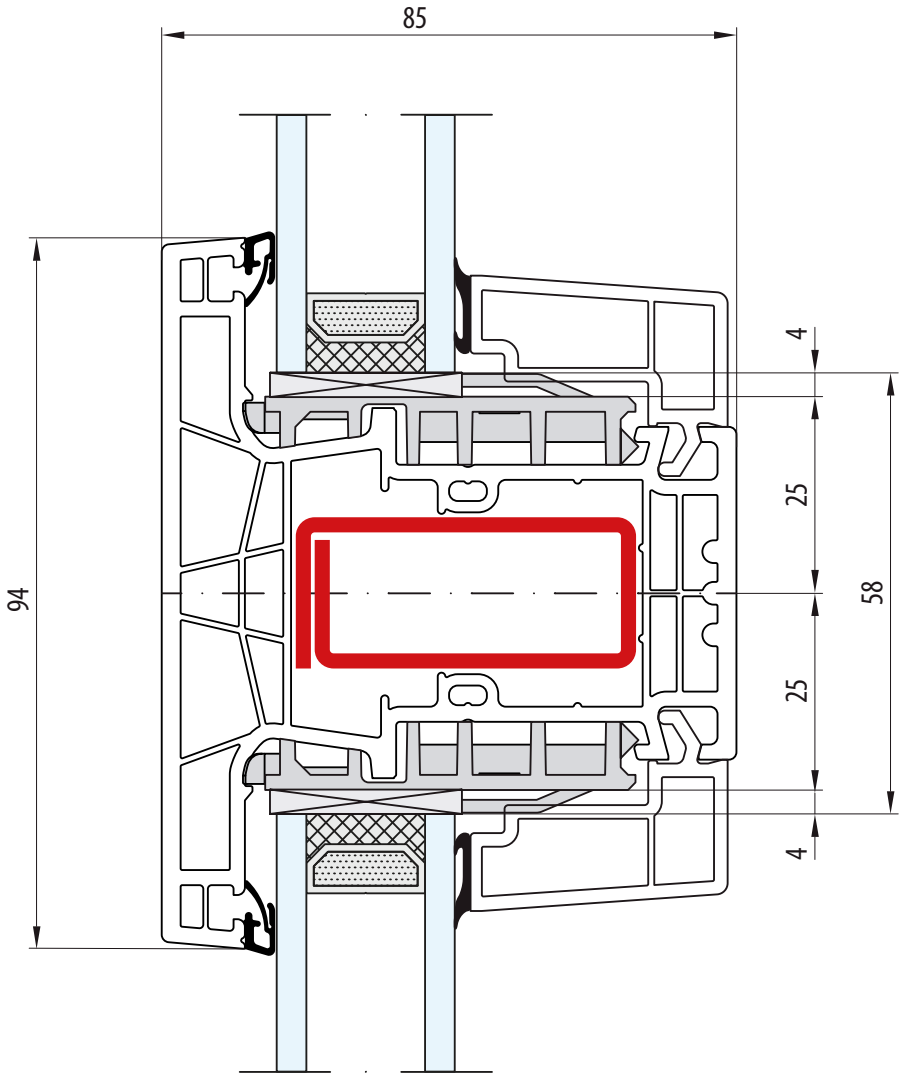



- Słupek stały: 114 mm · Skrzydło:125 mm
- Meneau fixe: 114 mm · Vantail: 125 mm
- Fix post: 114 mm · Sash: 125 mm
- Festem Pfahl: 114 mm · Flügel: 125 mm
- Montante fisso: 114 mm · Anta: 125 mm
- Vaste stijl: 114 mm · Vleugel: 125 mm

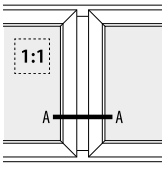


RL

SL
CL
RL

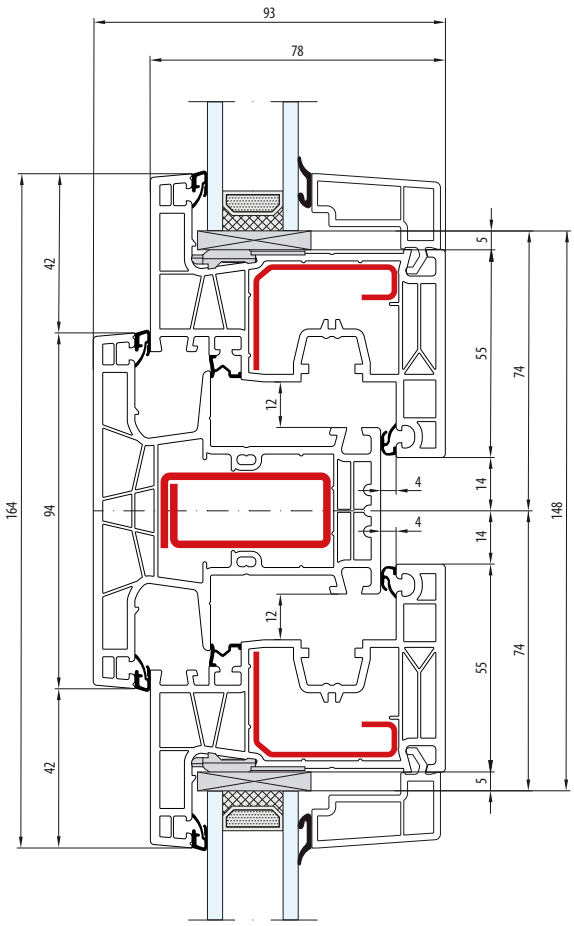



- Słupek stały: 94 mm
- Meneau fixe: 94 mm
- Fix post: 94 mm
- Festem Pfahl: 94 mm
- Montante fisso: 94 mm
- Vaste stijl: 94 mm

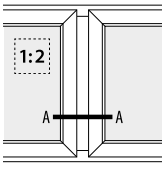


CL

SL CL RL

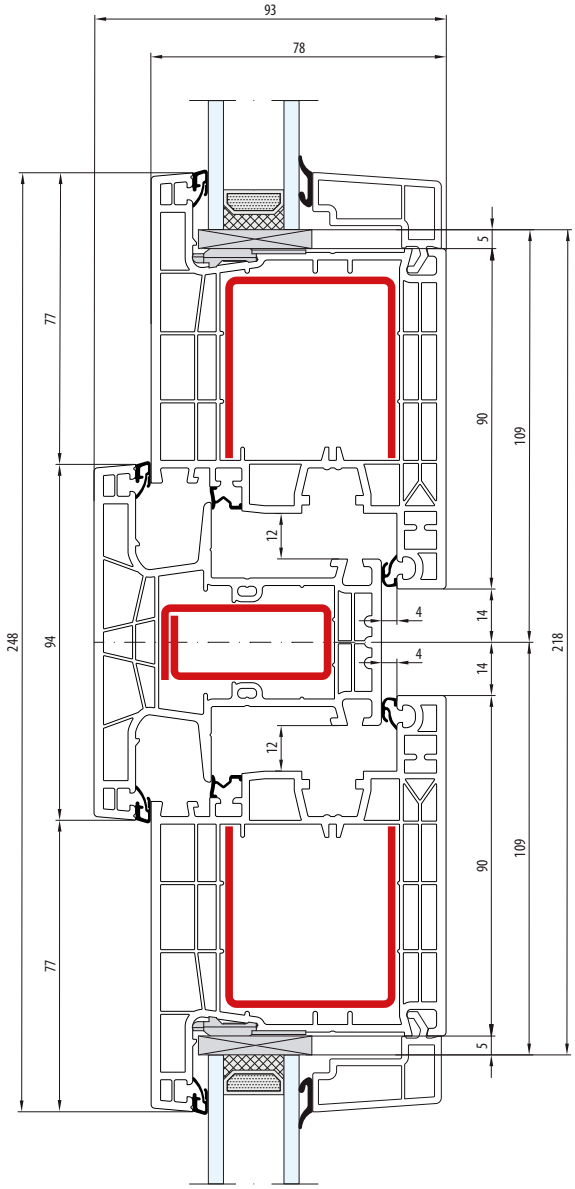



- Słupek stały: 94 mm · Skrzydło: 75 mm
- Meneau fixe: 94 mm · Vantail: 75 mm
- Fix post: 94 mm · Sash: 75 mm
- Festem Pfahl: 94 mm · Flügel: 75 mm
- Montante fisso: 94 mm · Anta: 75 mm
- Vaste stijl: 94 mm · Vleugel: 75 mm

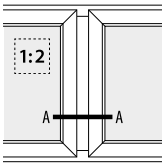


RL

SL
CL
RL

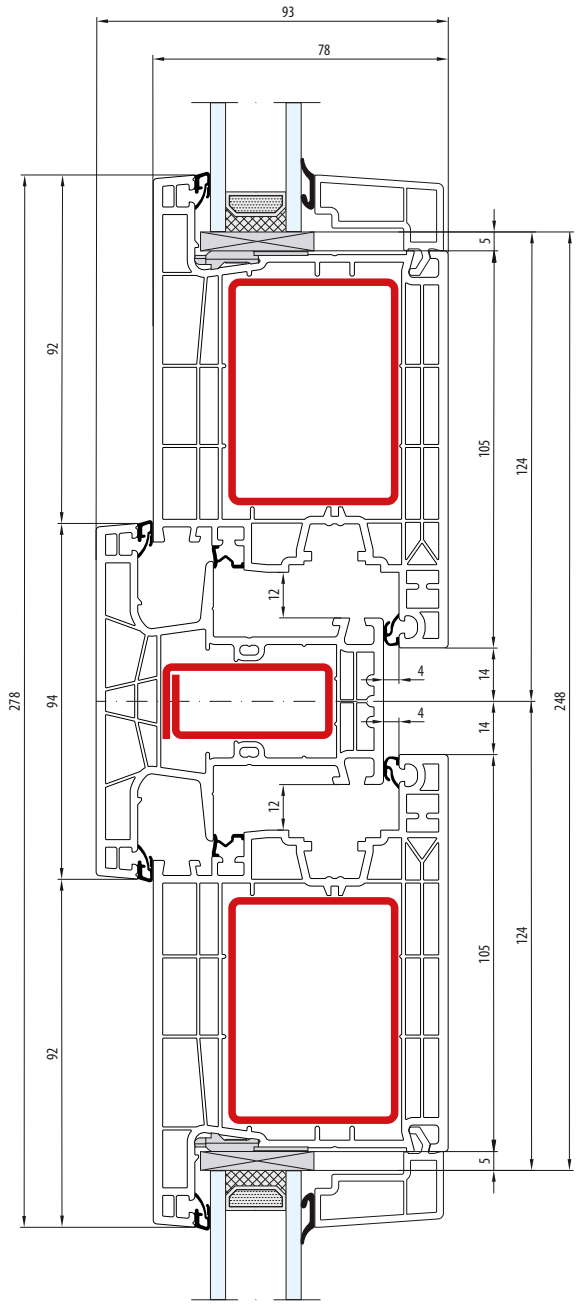



- Słupek stały: 94 mm · Skrzydło: 110 mm
- Meneau fixe: 94 mm · Vantail: 110 mm
- Fix post: 94 mm · Sash: 110 mm
- Festem Pfahl: 94 mm · Flügel: 110 mm
- Montante fisso: 94 mm · Anta: 110 mm
- Vaste stijl: 94 mm · Vleugel: 110 mm

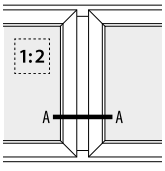


CL

SL CL RL

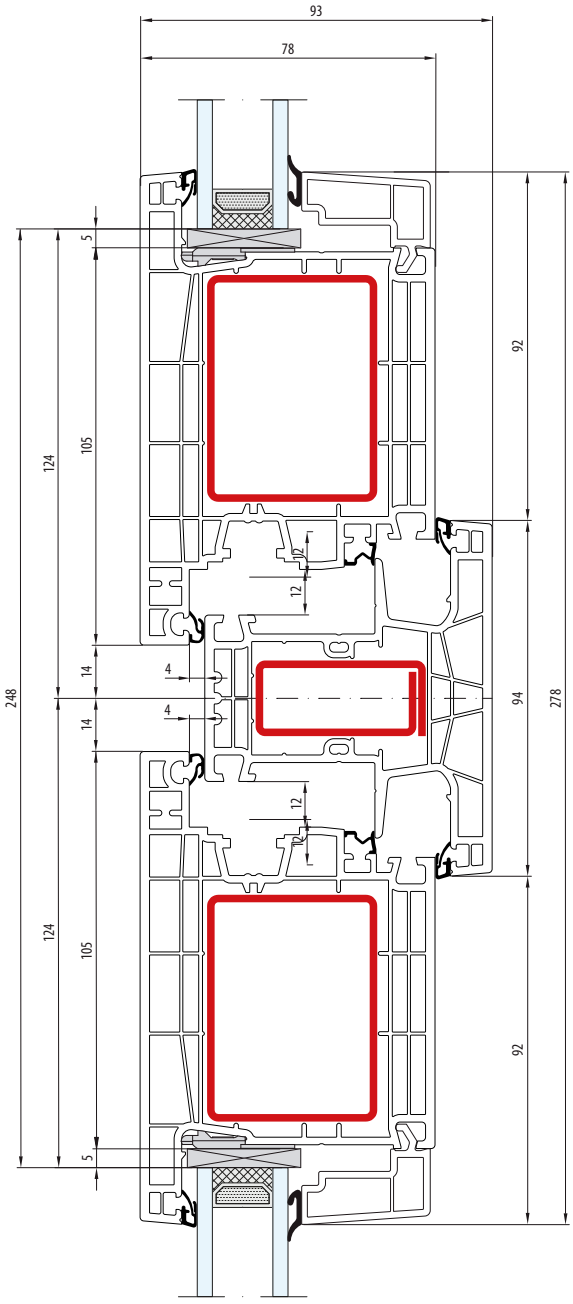



- Słupek stały: 94 mm · Skrzydło:125 mm
- Meneau fixe: 94 mm · Vantail: 125 mm
- Fix post: 94 mm · Sash: 125 mm
- Festem Pfahl: 94 mm · Flügel: 125 mm
- Montante fisso: 94 mm · Anta: 125 mm
- Vaste stijl: 94 mm · Vleugel: 125 mm

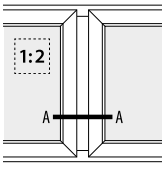


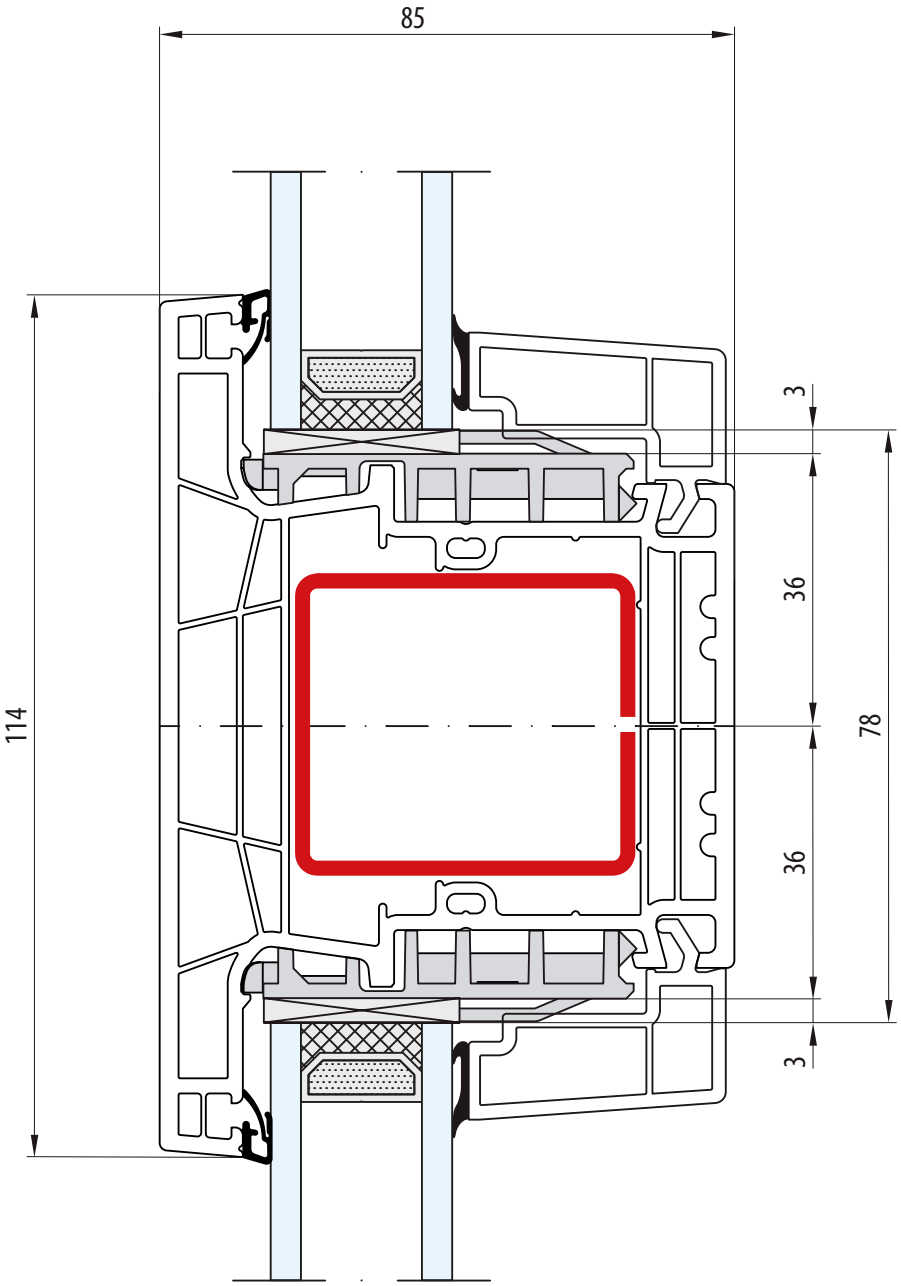
RL

SL
CL
RL

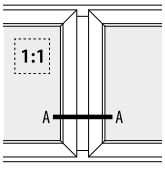



- Słupek stały: 94 mm · Skrzydło: 125 mm
- Meneau fixe: 94 mm · Vantail: 125 mm
- Fix post: 94 mm · Sash: 125 mm
- Festem Pfahl: 94 mm · Flügel: 125 mm
- Montante fisso: 94 mm · Anta: 125 mm
- Vaste stijl: 94 mm · Vleugel: 125 mm



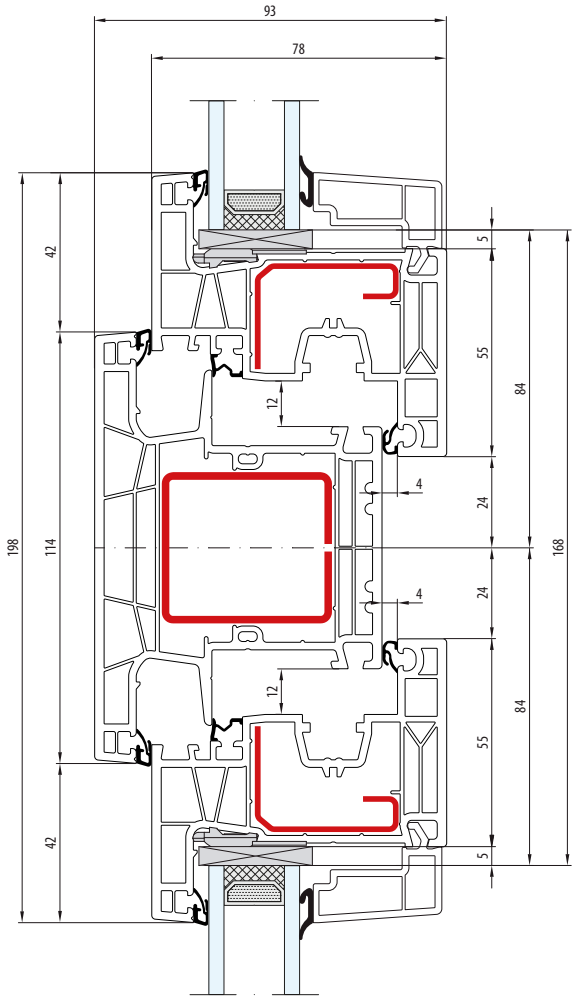



- Słupek stały: 114 mm
- Meneau fixe: 114 mm
- Fix post: 114 mm
- Festem Pfahl: 114 mm
- Montante fisso: 114 mm
- Vaste stijl: 114 mm

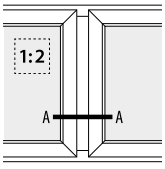


RL

SL
CL
RL

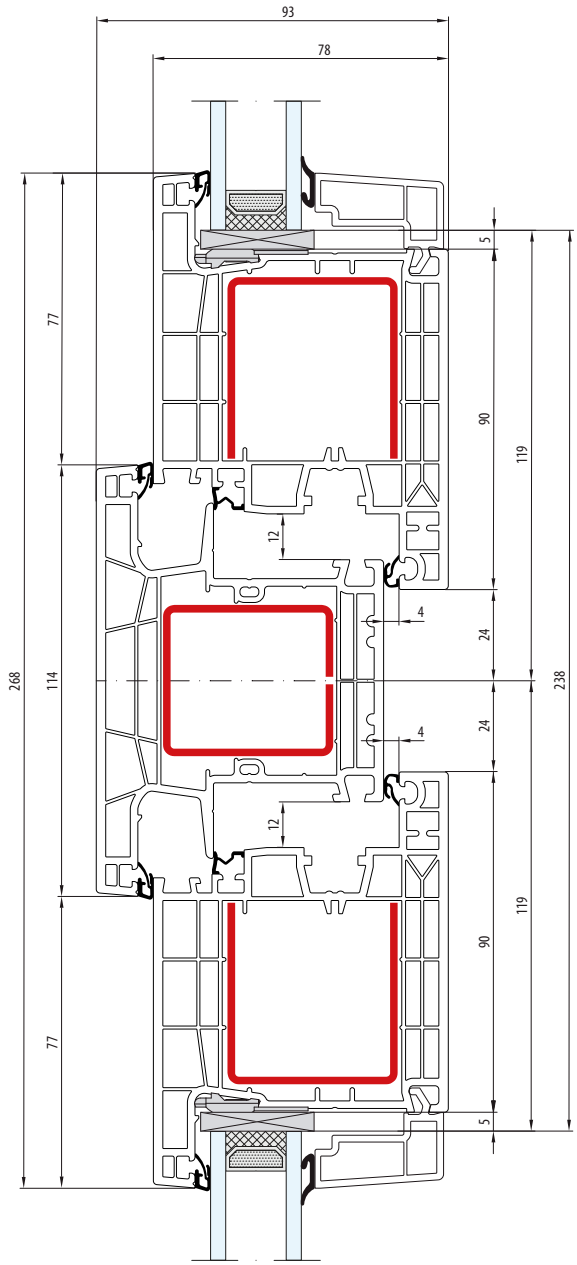



- Słupek stały: 114 mm · Skrzydło: 75 mm
- Meneau fixe: 114 mm · Vantail: 75 mm
- Fix post: 114 mm · Sash: 75 mm
- Festem Pfahl: 114 mm · Flügel: 75 mm
- Montante fisso: 114 mm · Anta: 75 mm
- Vaste stijl: 114 mm · Vleugel: 75 mm

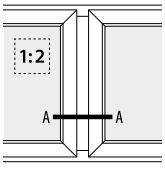


CL

SL
CL
RL

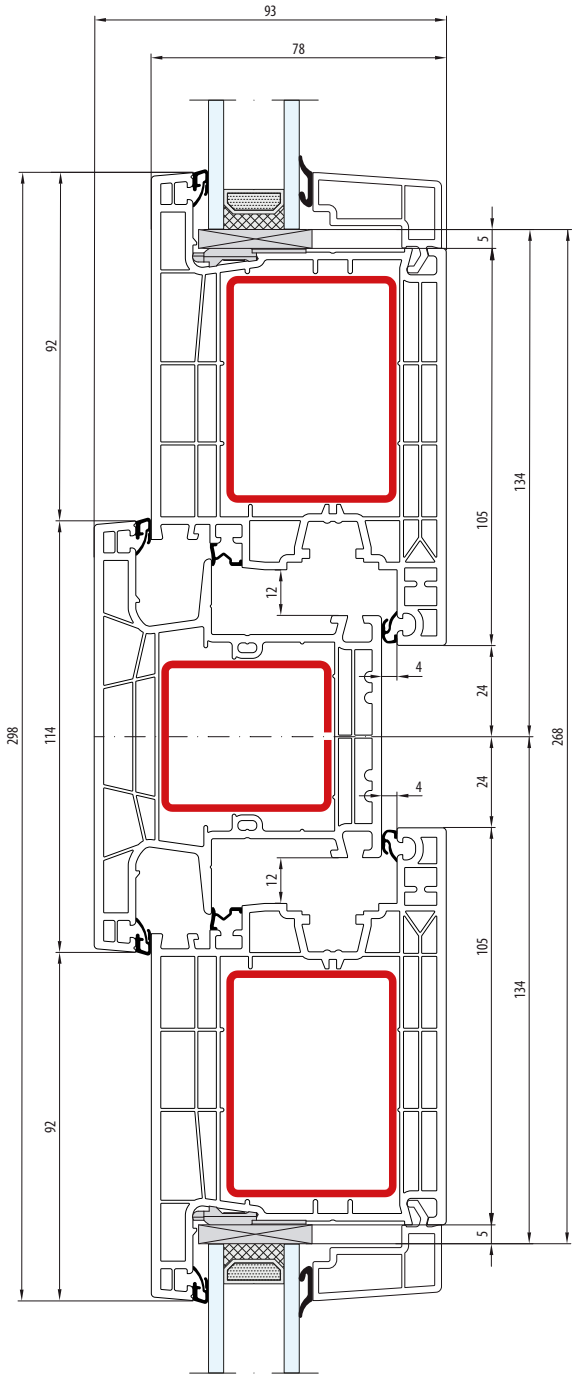



- Słupek stały: 114 mm · Skrzydło:110 mm
- Meneau fixe: 114 mm · Vantail: 110 mm
- Fix post: 114 mm · Sash: 110 mm
- Festem Pfahl: 114 mm · Flügel: 110 mm
- Montante fisso: 114 mm · Anta: 110 mm
- Vaste stijl: 114 mm · Vleugel: 110 mm

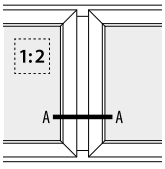


RL

SL
CL
RL




- Słupek stały: 114 mm · Skrzydło: 125 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm









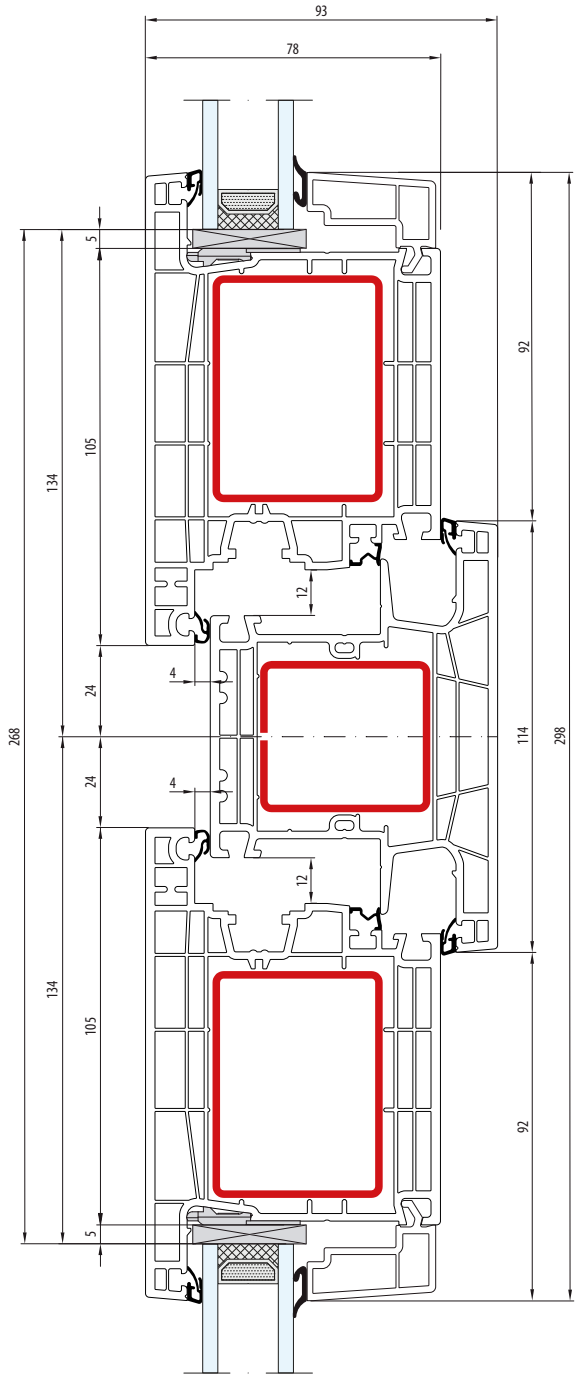




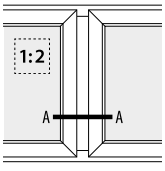






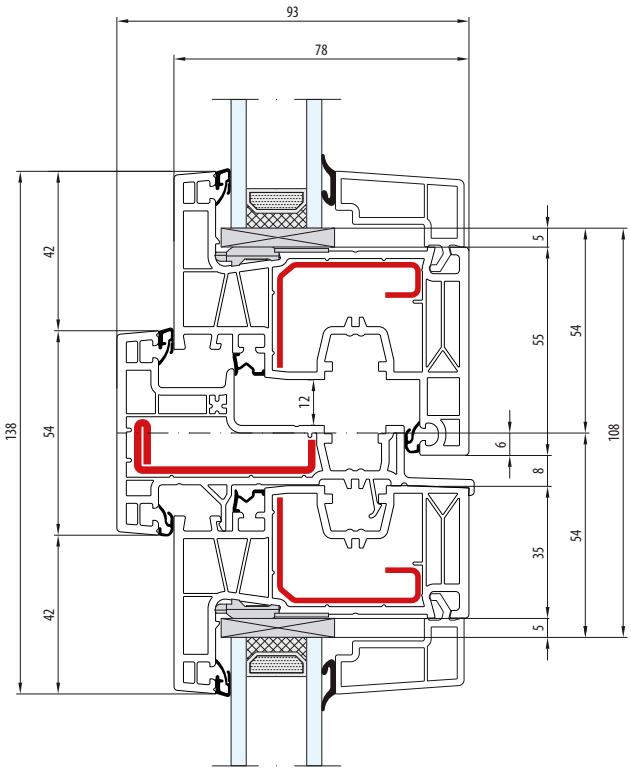



- Słupek stały: 114 mm · Skrzydło: 125 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm

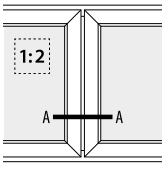


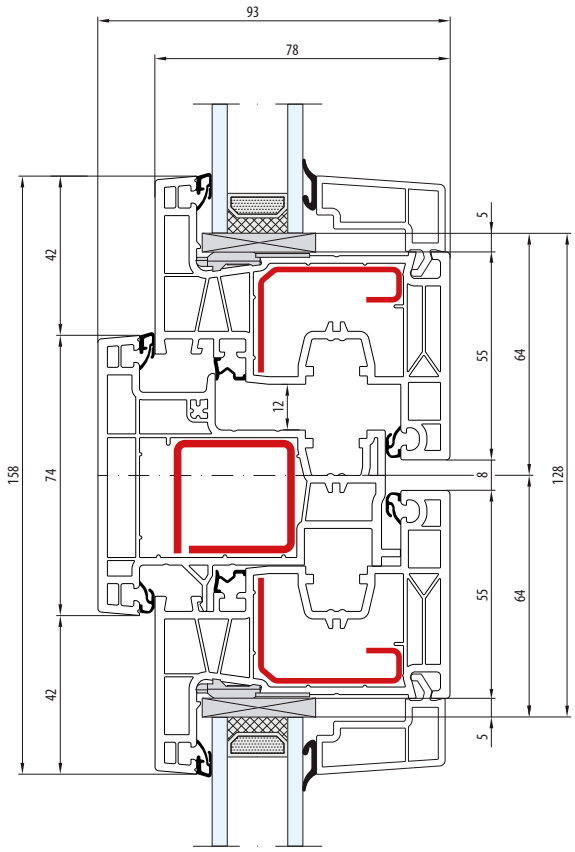
RL

SL
CL
RL

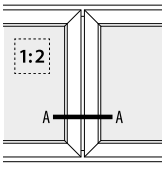



- Słupek ruchomy: 54 mm · Skrzydło: 75 mm
- Meneau mobile: 54 mm · Vantail: 75 mm
- Movable post: 54 mm · Sash: 75 mm
- Stulp: 54 mm · Flügel: 75 mm
- Montante mobile: 54 mm · Anta: 75 mm
- Verplaatsbare stijl: 54 mm · Vleugel: 75 mm



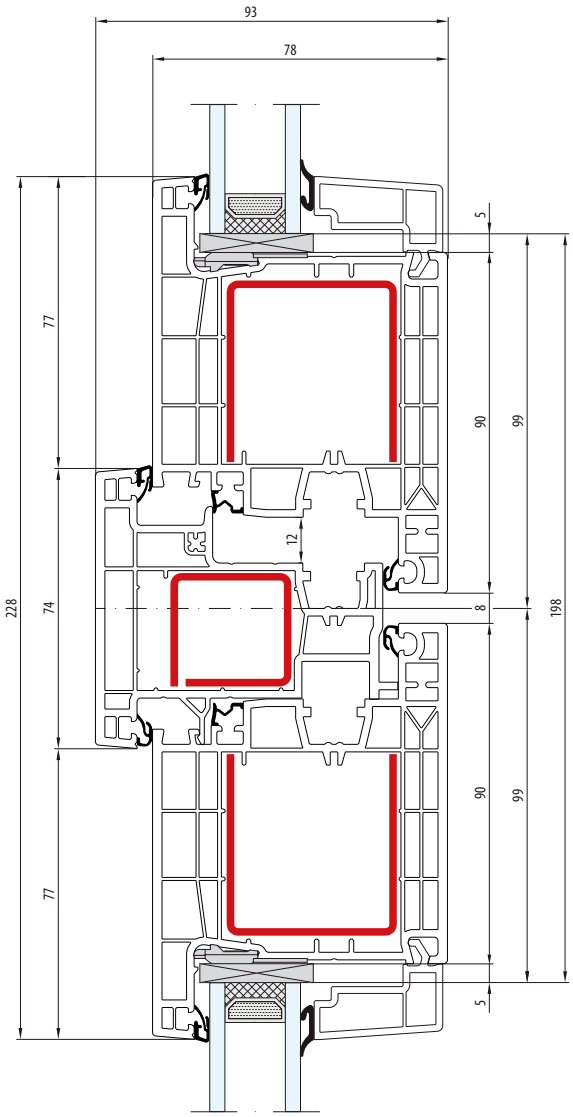



- Słupek ruchomy: 74 mm · Skrzydło: 75 mm
- Meneau mobile: 74 mm · Vantail: 75 mm
- Movable post: 74 mm · Sash: 75 mm
- Stulp: 74 mm · Flügel: 75 mm
- Montante mobile: 74 mm · Anta: 75 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 75 mm

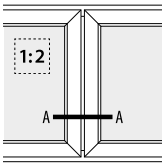


RL

SL
CL
RL




- Słupek ruchomy: 74 mm · Skrzydło: 110 mm
- Meneau mobile: 74 mm · Vantail: 110 mm
- Movable post: 74 mm · Sash: 110 mm
- Stulp: 74 mm · Flügel: 110 mm
- Montante mobile: 74 mm · Anta: 110 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 110 mm



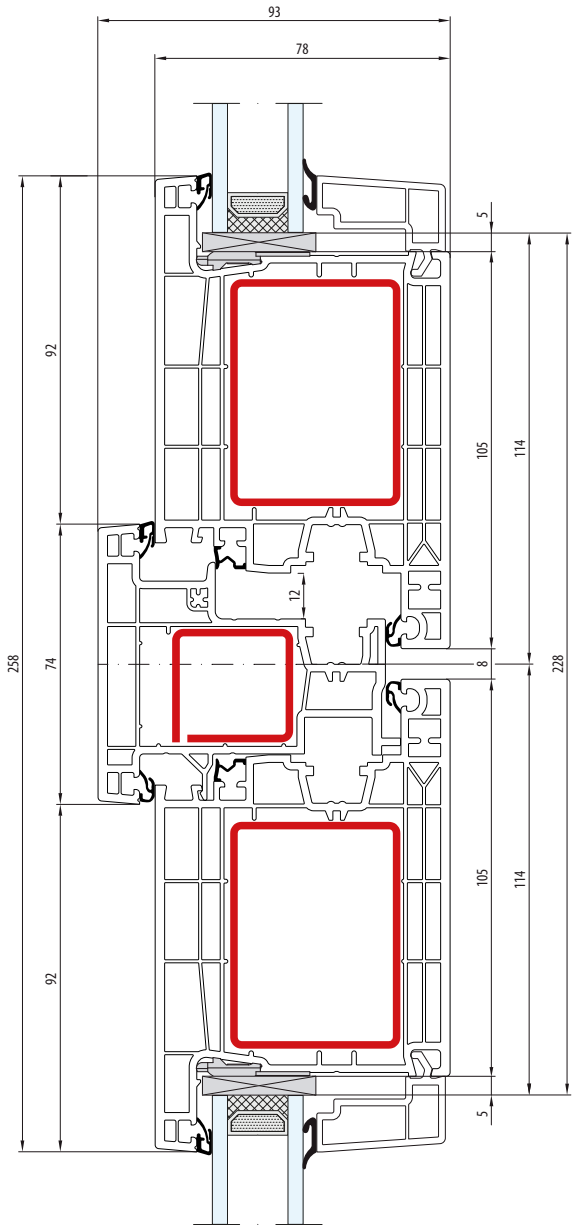




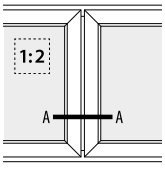






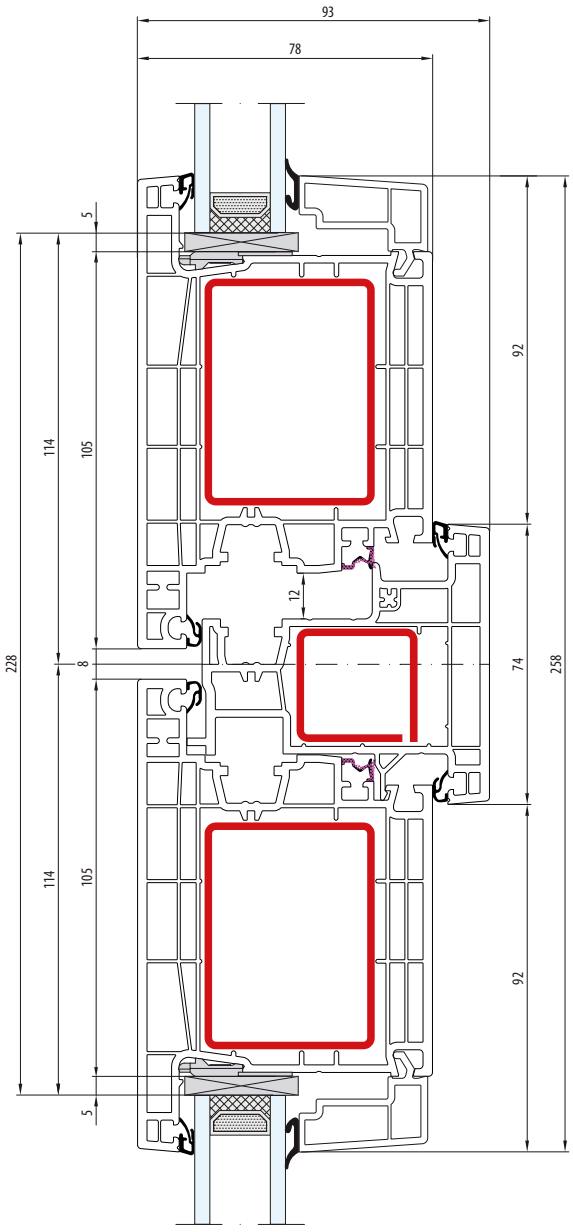



- Słupek ruchomy: 74 mm · Skrzydło: 125 mm
- Meneau mobile: 74 mm · Vantail: 125 mm
- Movable post: 74 mm · Sash: 125 mm
- Stulp: 74 mm · Flügel: 125 mm
- Montante mobile: 74 mm · Anta: 125 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 125 mm

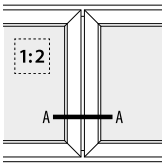


RL

SL
CL
RL




- Słupek ruchomy: 74 mm · Skrzydło: 125 mm
- Meneau mobile: 74 mm · Vantail: 125 mm
- Movable post: 74 mm · Sash: 125 mm
- Stulp: 64 mm · Flügel: 125 mm
- Montante mobile: 74 mm · Anta: 125 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 125 mm



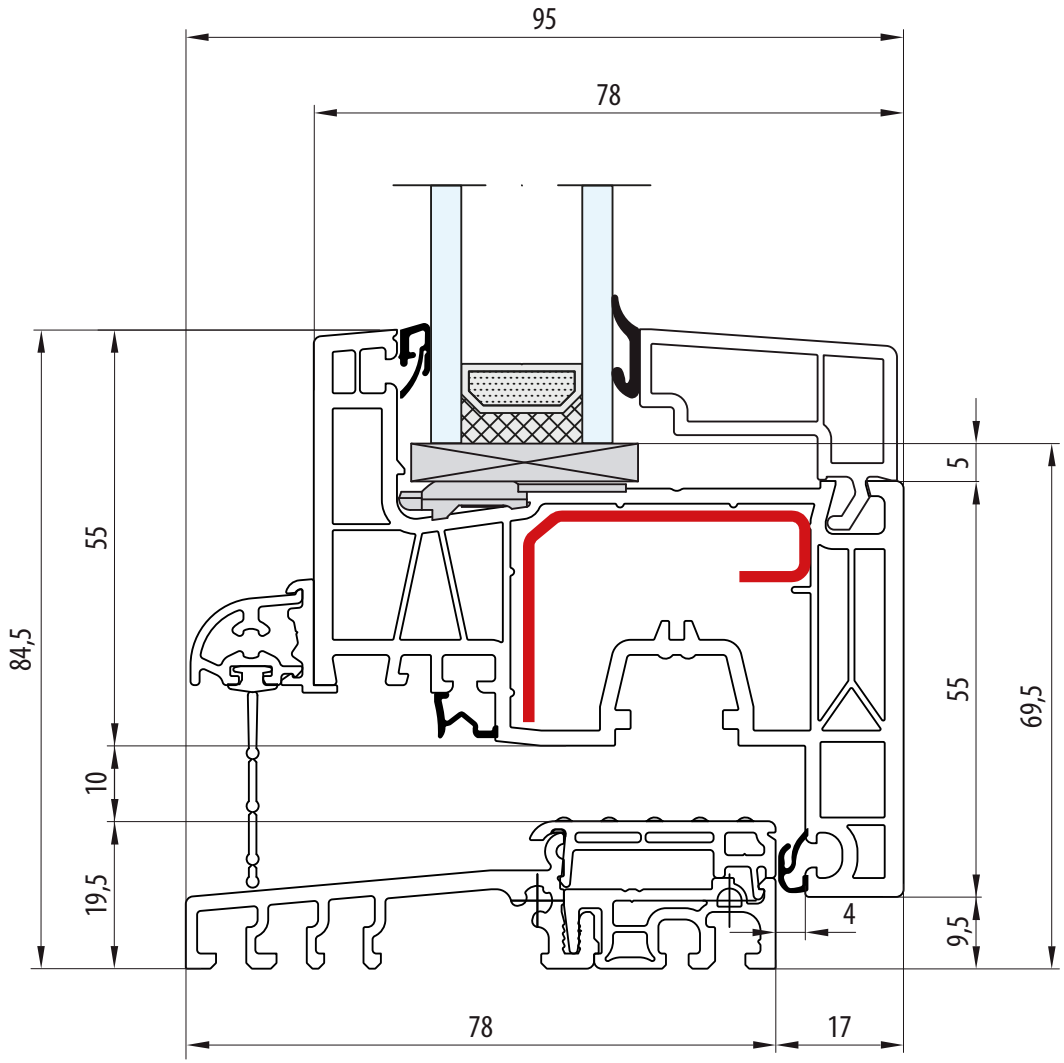




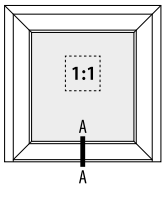






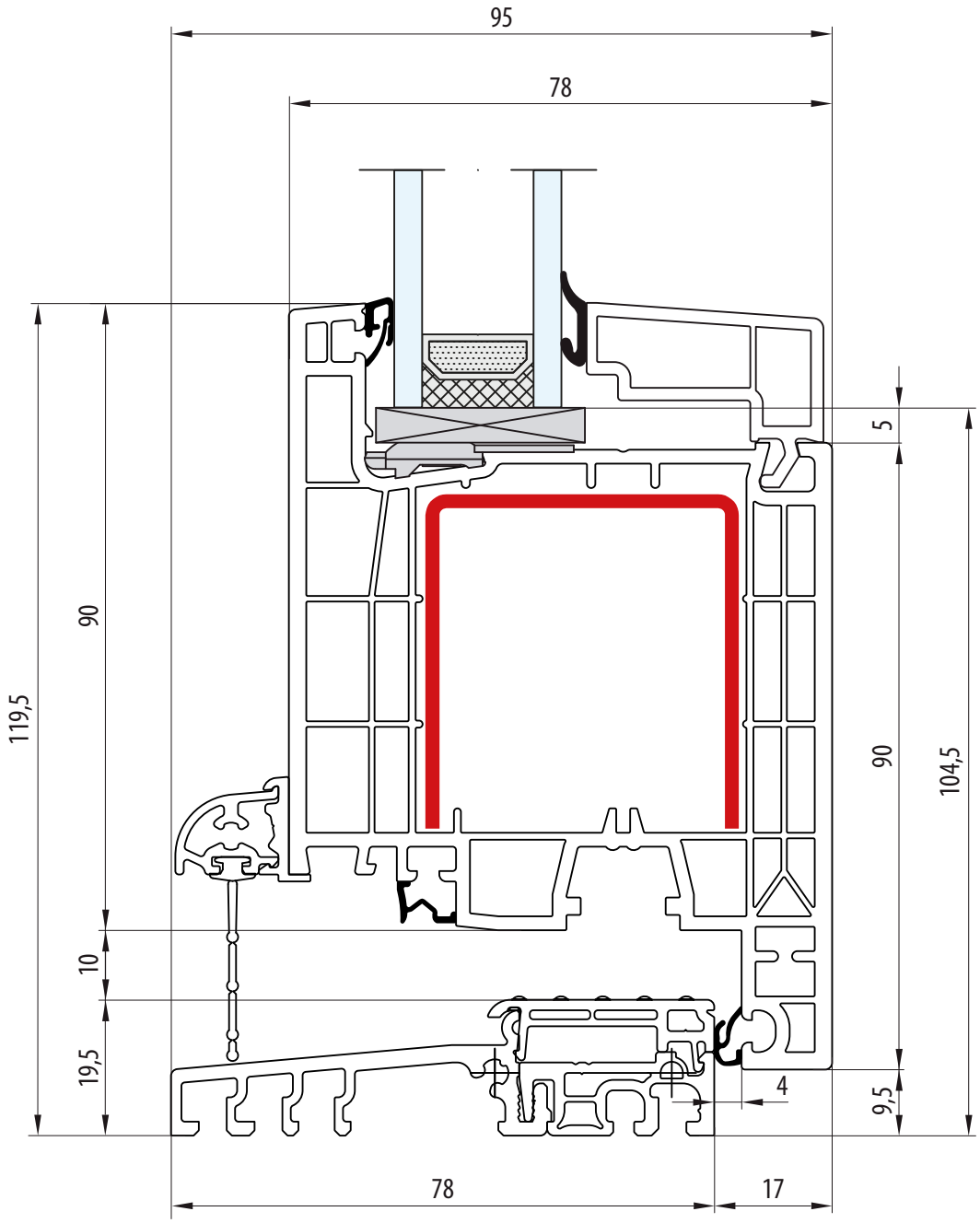



- Próg: 20 mm · Skrzydło: 75 mm
- Seuil: 20 mm · Vantail: 75 mm
- Threshold: 20 mm · Sash: 75 mm
- Schwelle: 20 mm · Flügel: 75 mm
- Soglia: 20 mm · Anta: 75 mm
- Dorpel: 20 mm · Vleugel: 75 mm

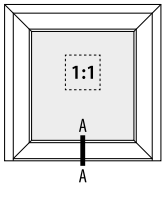


RL

SL
CL
RL



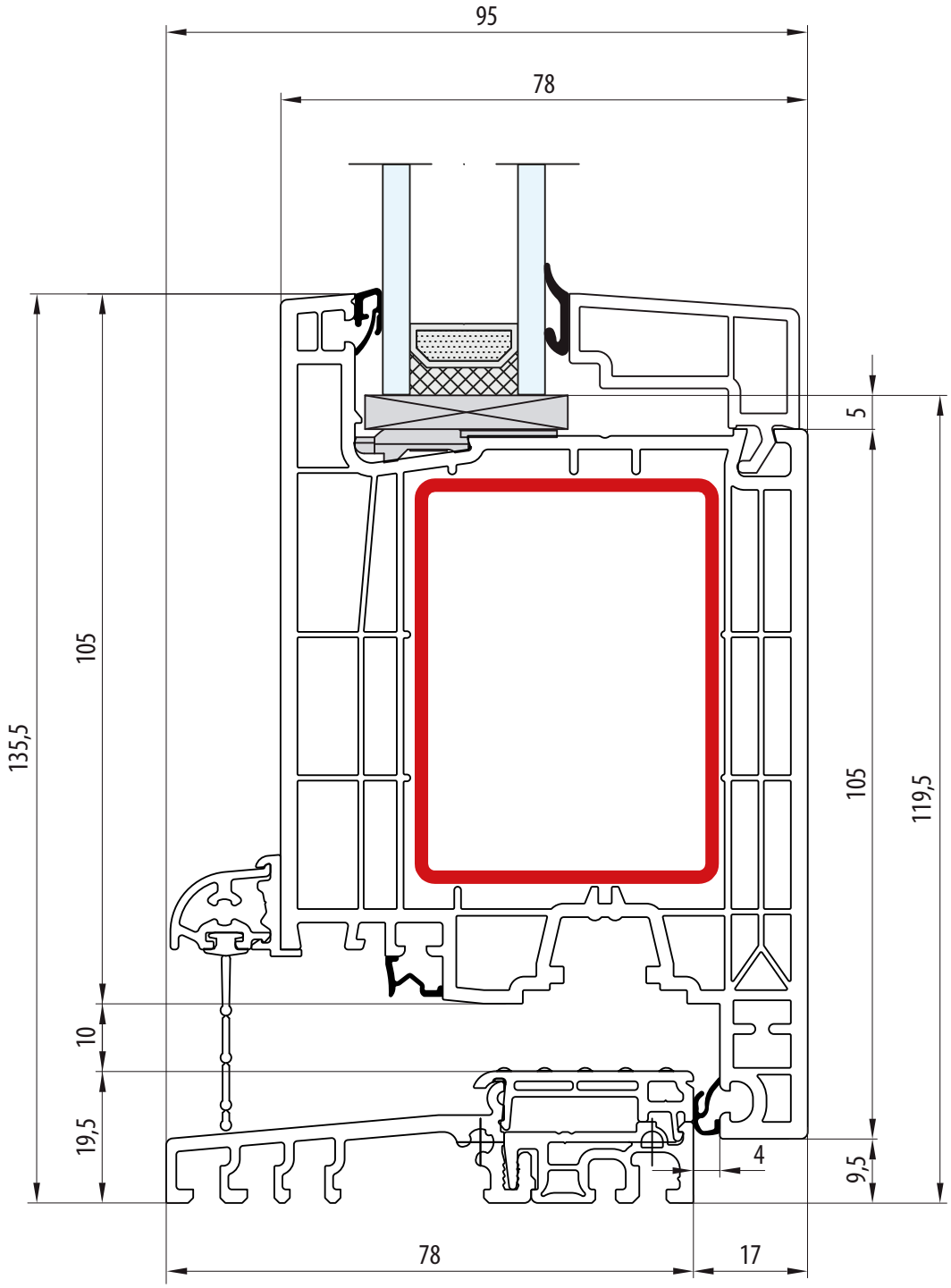

Próg: 20 mm · Skrzydło: 110 mm
Seuil: 20 mm · Vantail: 110 mm
Threshold: 20 mm · Sash: 110 mm
Schwelle: 20 mm · Flügel: 110 mm
Soglia: 20 mm · Anta: 110 mm
Dorpel: 20 mm · Vleugel: 110 mm



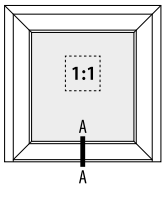






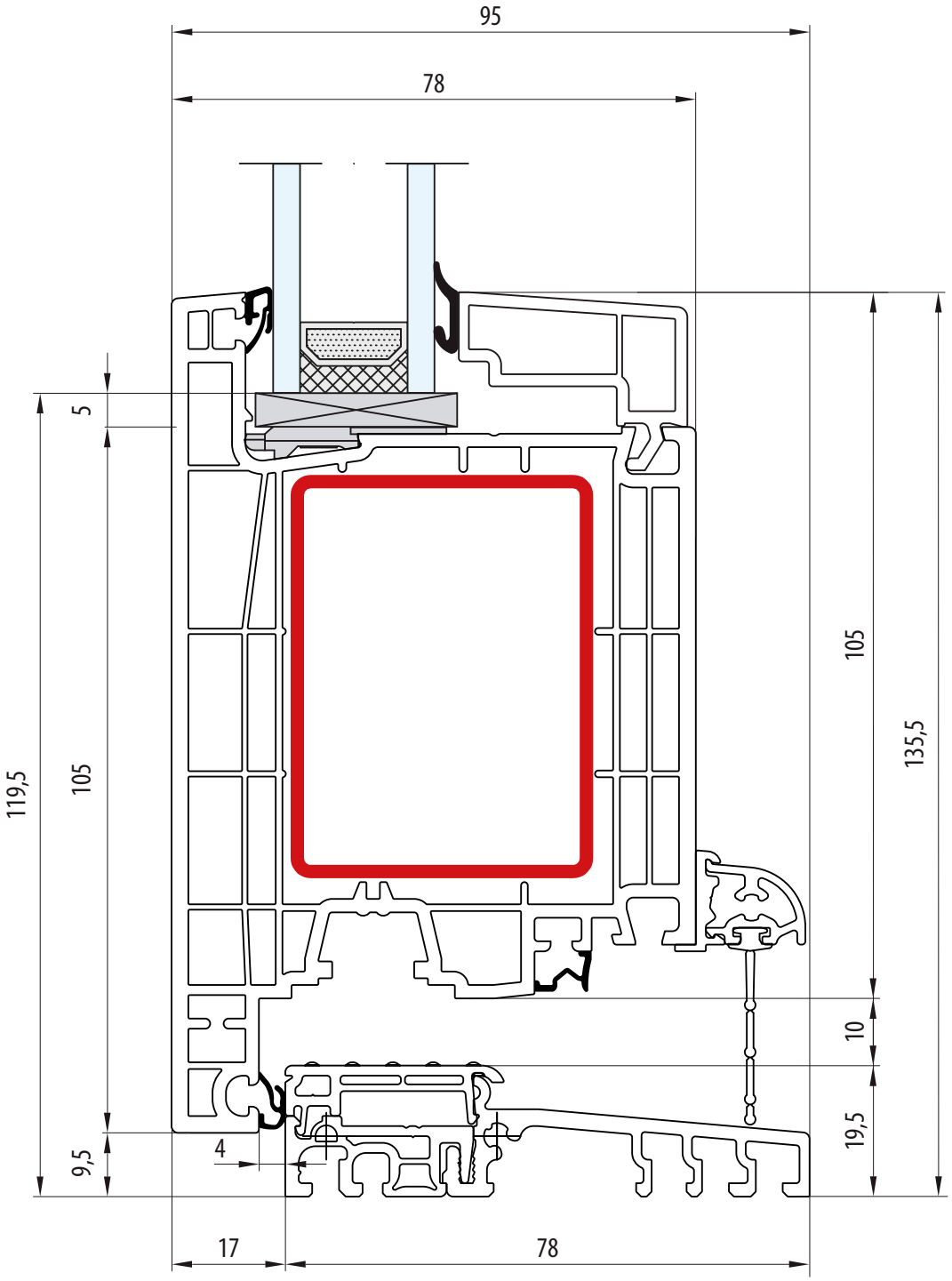




- Próg: 20 mm · Skrzydło: 125 mm
- Seuil: 20 mm · Vantail: 125 mm
- Threshold: 20 mm · Sash: 125 mm
- Schwelle: 20 mm · Flügel: 125 mm
- Soglia: 20 mm · Anta: 125 mm
- Dorpel: 20 mm · Vleugel: 125 mm

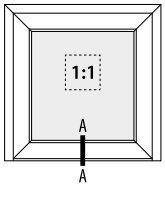


RL

SL
CL
RL

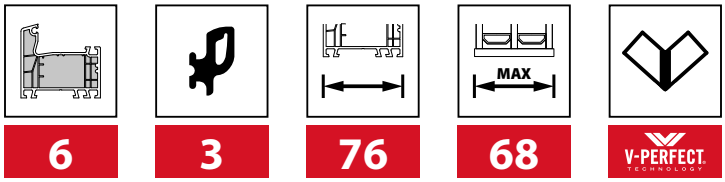



Próg: 20 mm · Skrzydło: 125 mm
Seuil: 20 mm · Vantail: 125 mm
Threshold: 20 mm · Sash: 125 mm
Schwelle: 20 mm · Flügel: 125 mm
Soglia: 20 mm · Anta: 125 mm
Dorpel: 20 mm · Vleugel: 125 mm

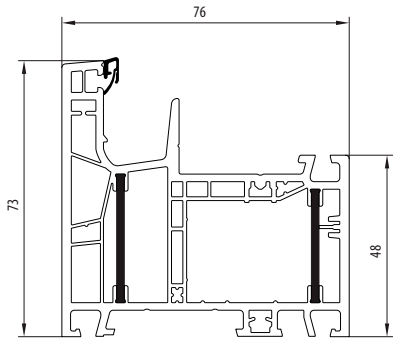


# ENERGETO NEO

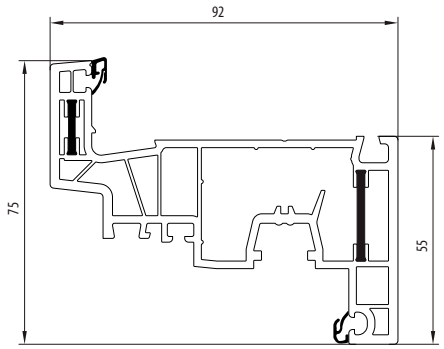






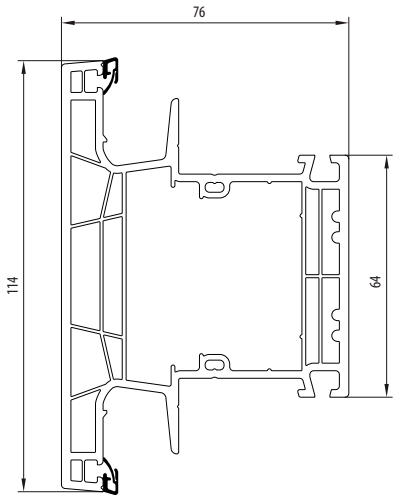



CL 060x05

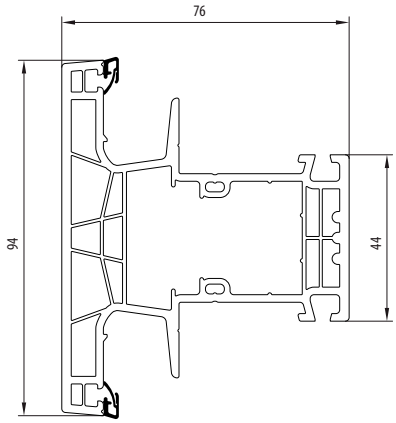



CL 060x27

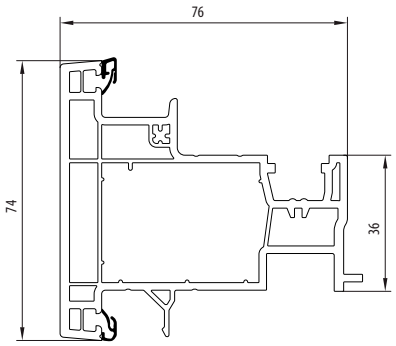
1:2



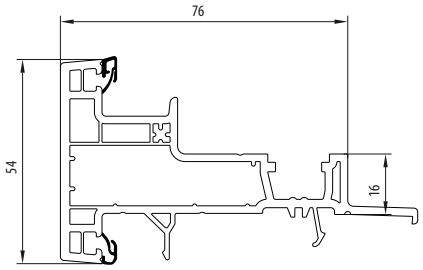

160x46



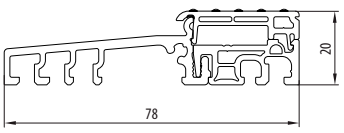

160x45




160x66




160x64

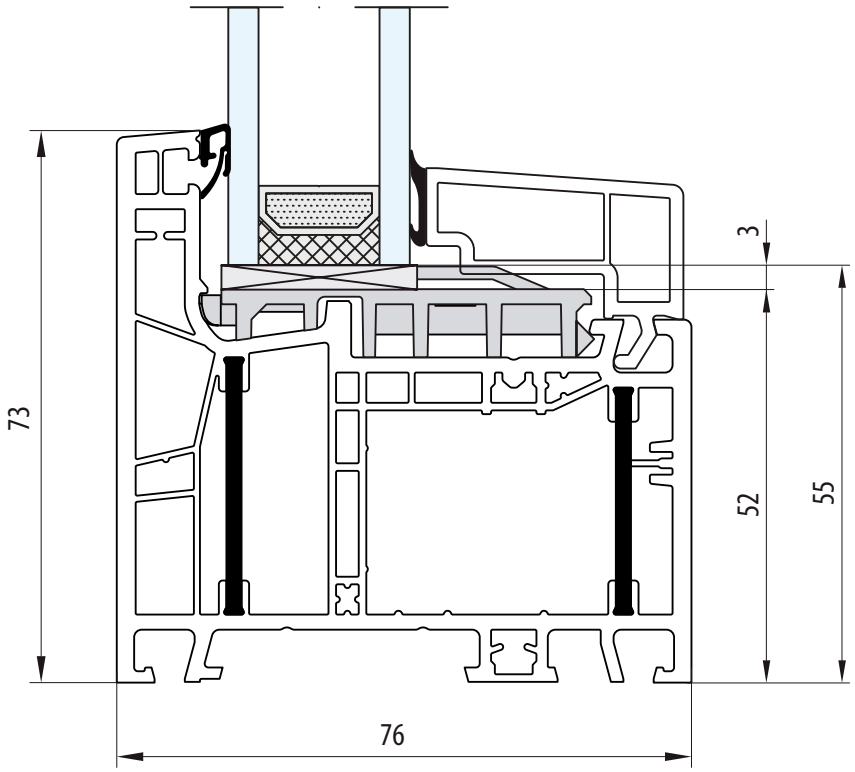



alu - 19,5 mm

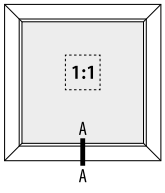
1:2

RL

SL
CL
RL

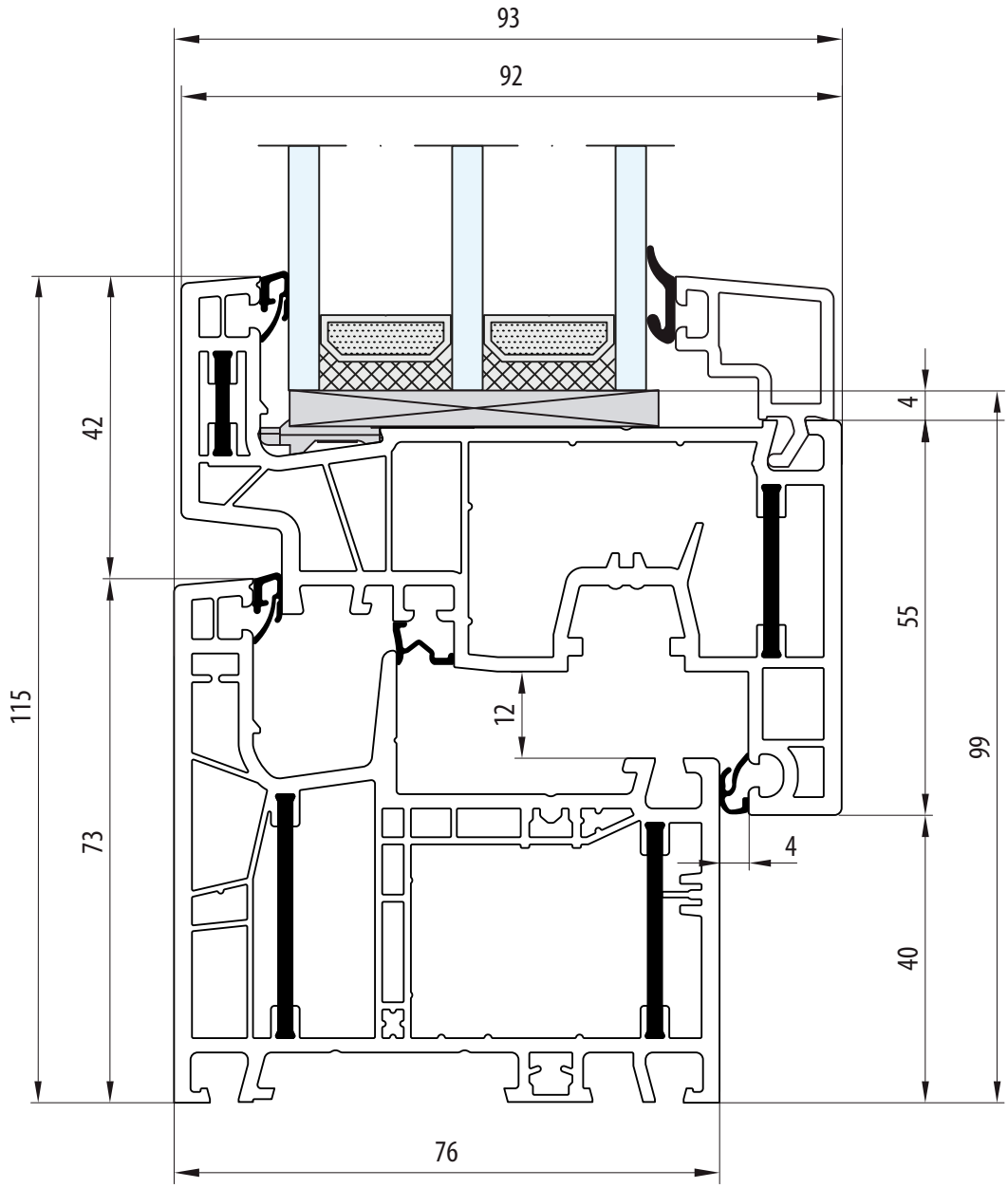



Rama: 73 mm
Dormant: 73 mm
Frame: 73 mm
Rahmen: 73 mm
Telaio: 73 mm
Kader: 73 mm

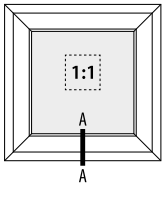


CL

SL
CL
RL

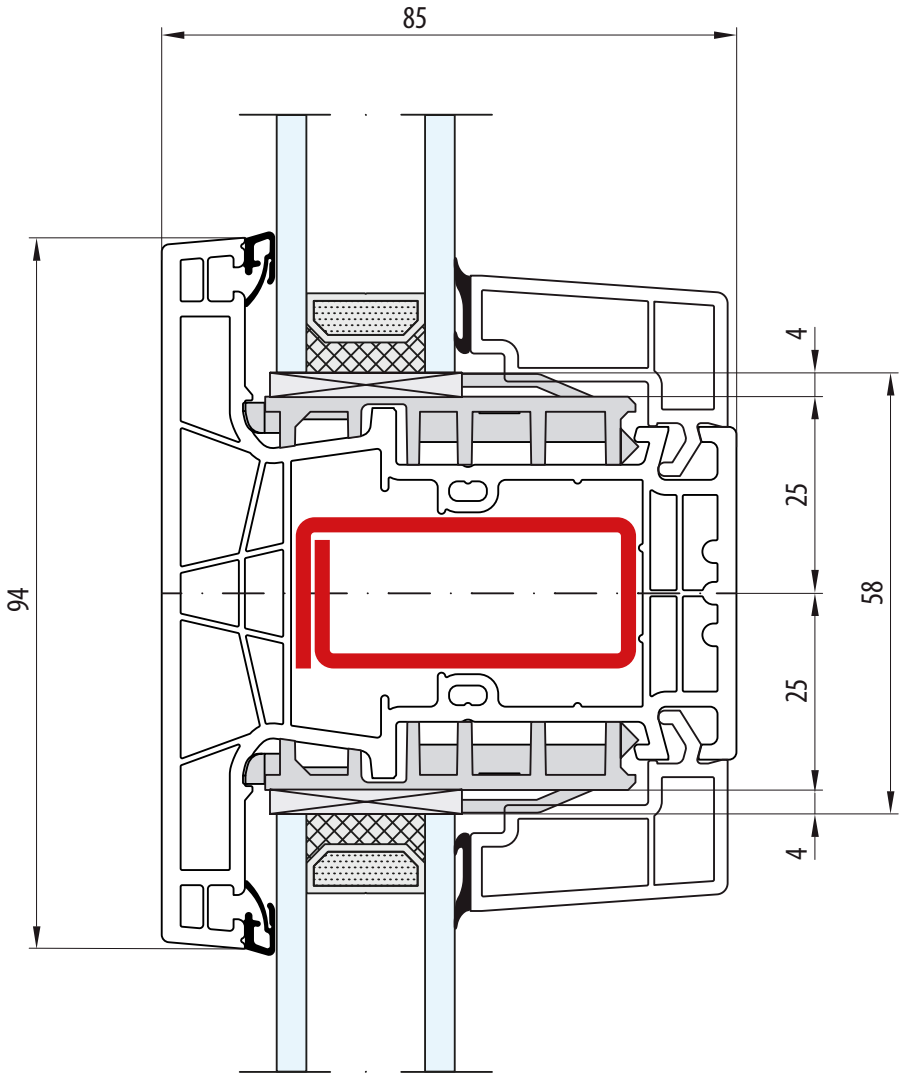



- Rama: 73 mm · Skrzydło: 75 mm
- Dormant: 73 mm · Vantail: 75 mm
- Frame: 73 mm · Sash: 75 mm
- Rahmen: 73 mm · Flügel: 75 mm
- Telaio: 73 mm · Anta: 75 mm
- Kader: 73 mm · Vleugel: 75 mm

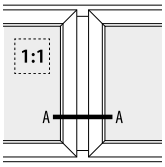


RL

SL
CL
RL




- Słupek stały: 94 mm
- Meneau fixe: 94 mm
- Fix post: 94 mm
- Festem Pfahl: 94 mm
- Montante fisso: 94 mm
- Vaste stijl: 94 mm



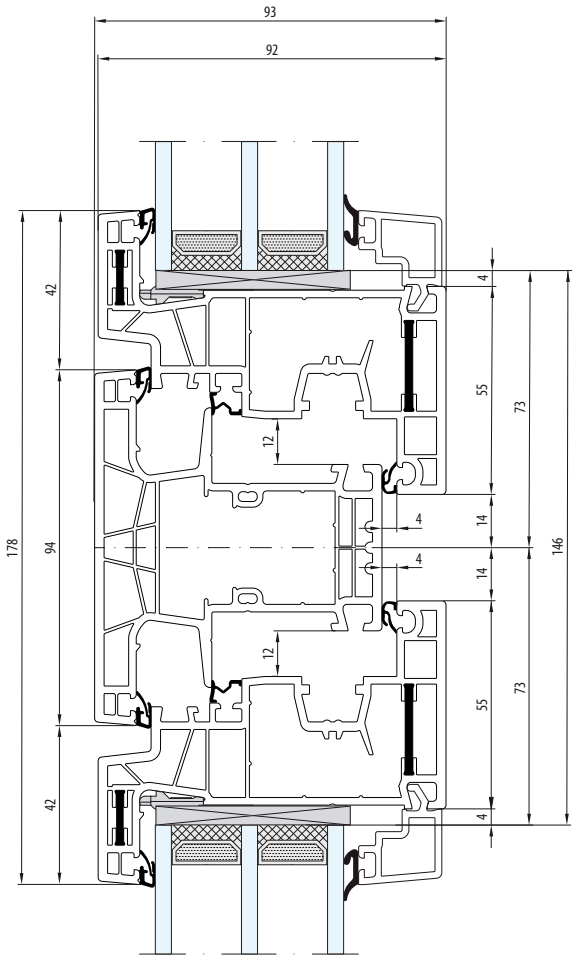




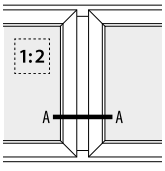






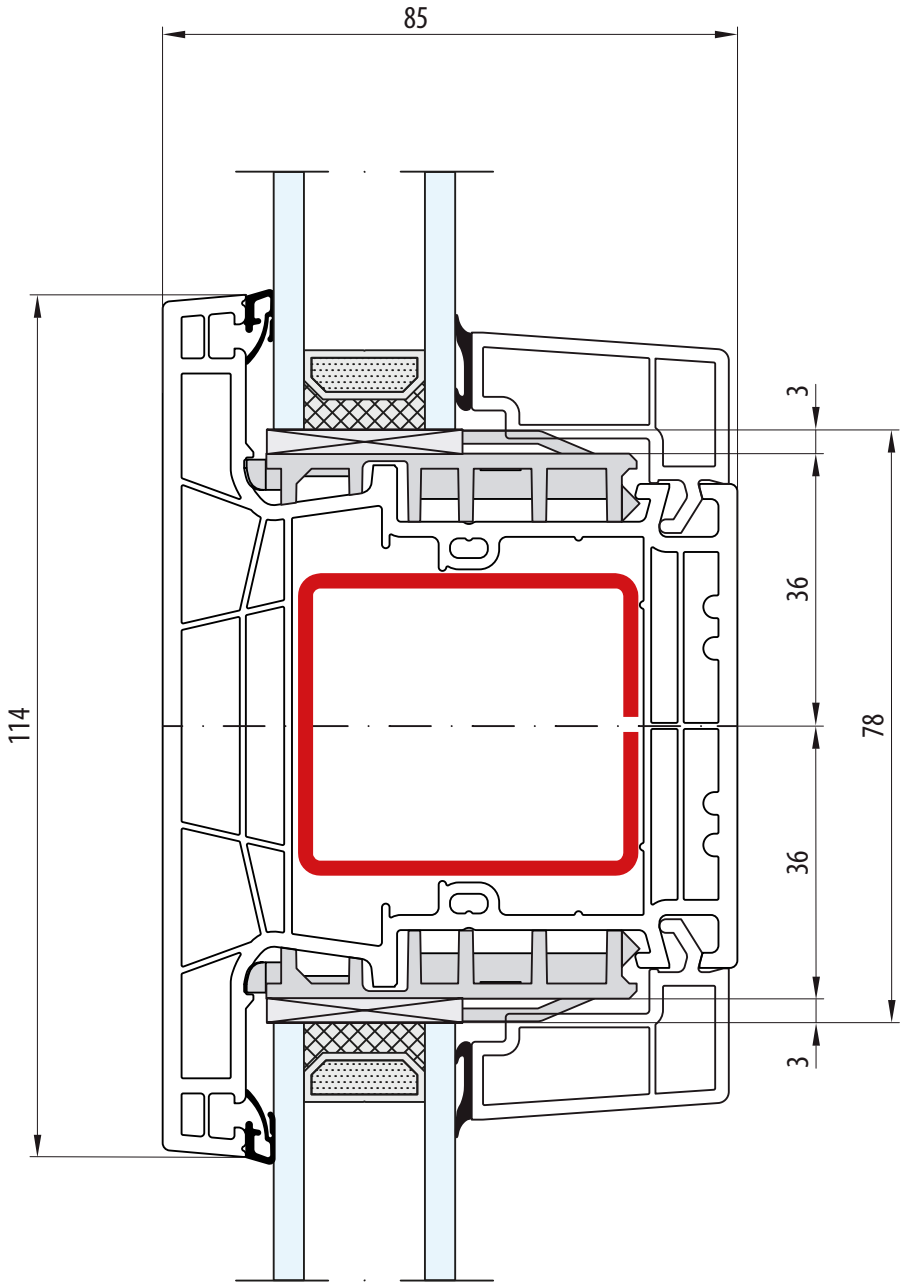



- Słupek stały: 94 mm · Skrzydło: 75 mm
- Meneau fixe: 94 mm · Vantail: 75 mm
- Fix post: 94 mm · Sash: 75 mm
- Festem Pfahl: 94 mm · Flügel: 75 mm
- Montante fisso: 94 mm · Anta: 75 mm
- Vaste stijl: 94 mm · Vleugel: 75 mm

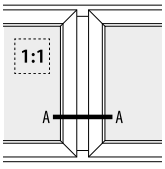


RL

SL
CL
RL




- Słupek stały: 114 mm
- Meneau fixe: 114 mm
- Fix post: 114 mm
- Festem Pfahl: 114 mm
- Montante fisso: 114 mm
- Vaste stijl: 114 mm



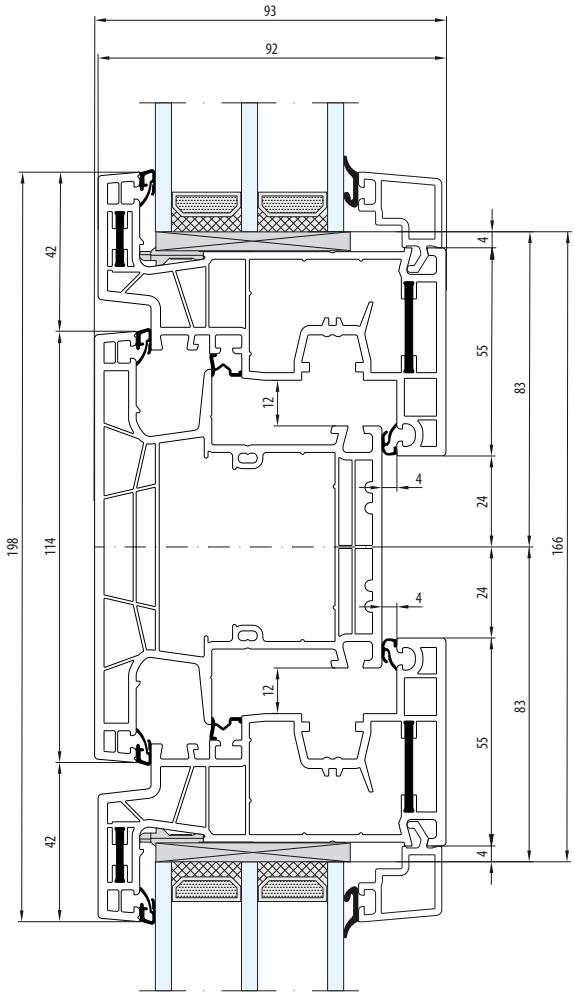




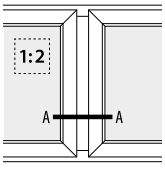






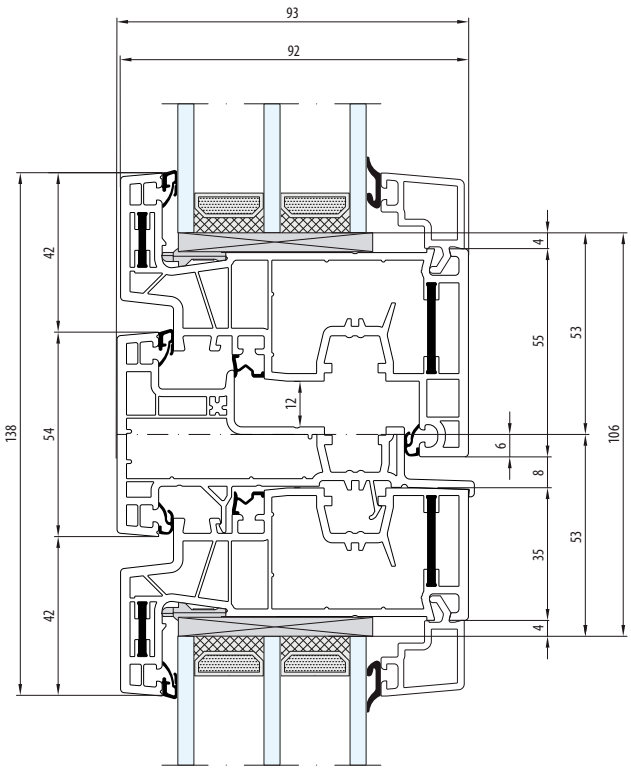



- Słupek stały: 114 mm · Skrzydło: 75 mm
- Meneau fixe: 114 mm · Vantail: 75 mm
- Fix post: 114 mm · Sash: 75 mm
- Festem Pfahl: 114 mm · Flügel: 75 mm
- Montante fisso: 114 mm · Anta: 75 mm
- Vaste stijl: 114 mm · Vleugel: 75 mm

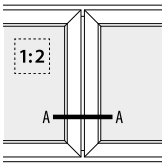


RL

SL
CL
RL




- Słupek ruchomy: 54 mm · Skrzydło: 75 mm
- Meneau mobile: 54 mm · Vantail: 75 mm
- Movable post: 54 mm · Sash: 75 mm
- Stulp: 54 mm · Flügel: 75 mm
- Montante mobile: 54 mm · Anta: 75 mm
- Verplaatsbare stijl: 54 mm · Vleugel: 75 mm









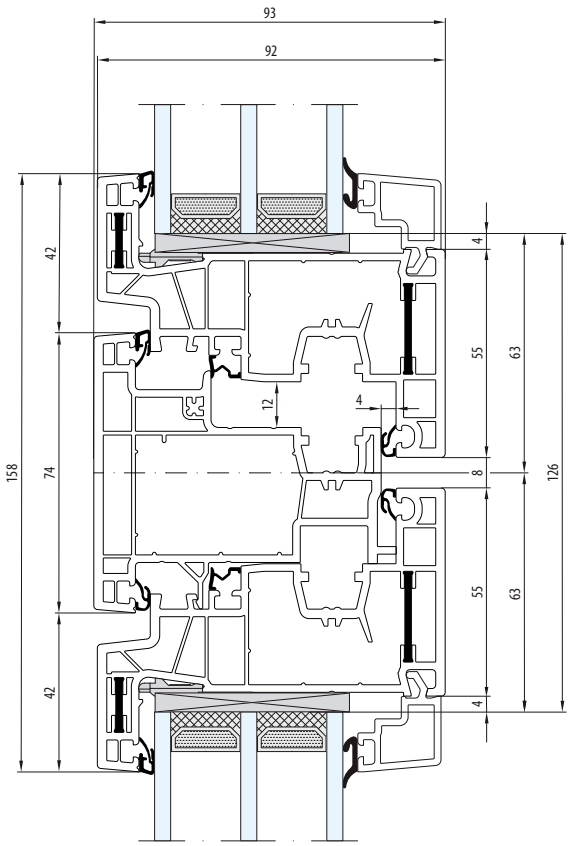




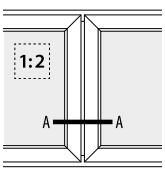






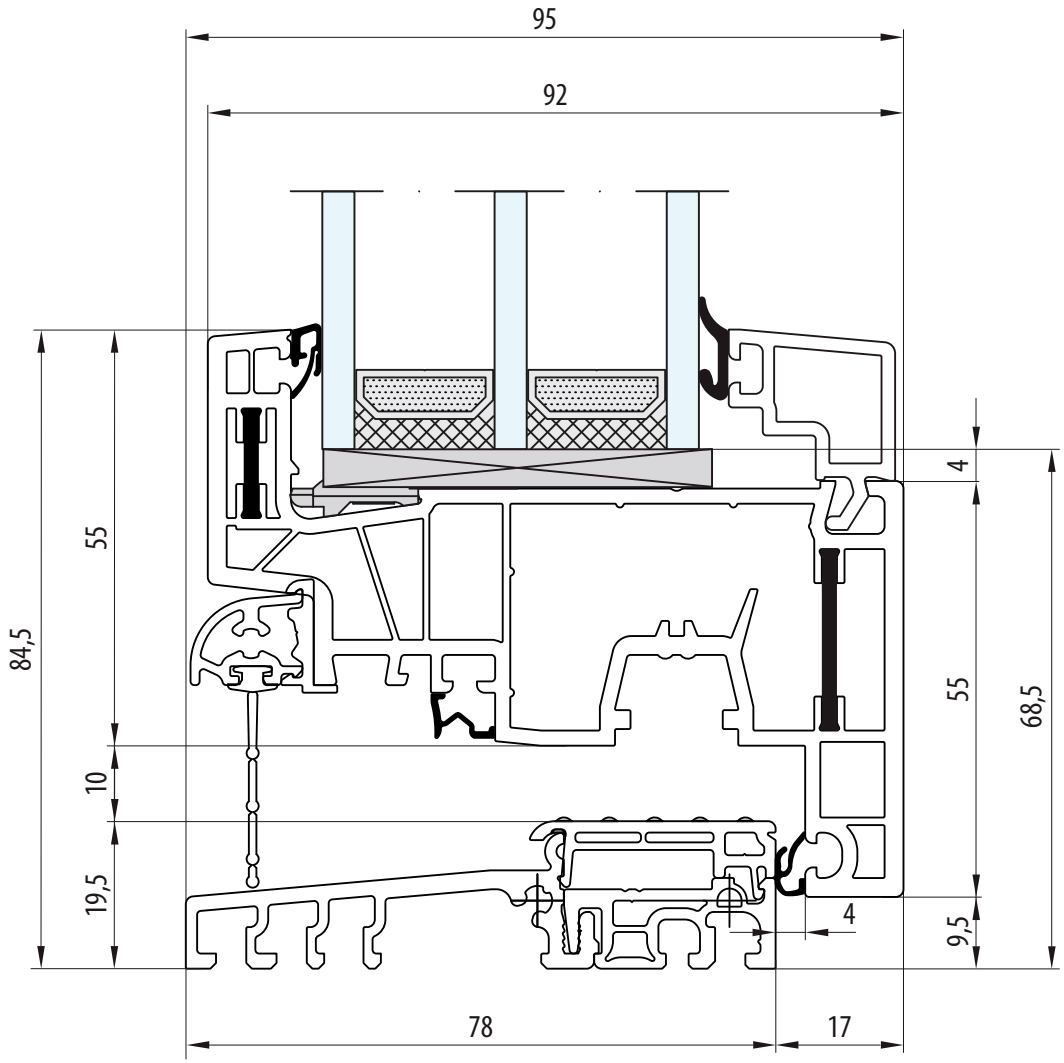



- Słupek ruchomy: 74 mm · Skrzydło: 75 mm
- Meneau mobile: 74 mm · Vantail: 75 mm
- Movable post: 74 mm · Sash: 75 mm
- Stulp: 74 mm · Flügel: 75 mm
- Montante mobile: 74 mm · Anta: 75 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 75 mm

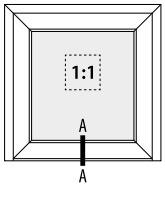


RL

SL
CL
RL

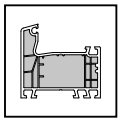



Próg: 20 mm · Skrzydło: 75 mm
Seuil: 20 mm · Vantail: 75 mm
Threshold: 20 mm · Sash: 75 mm
Schwelle: 20 mm · Flügel: 75 mm
Soglia: 20 mm · Anta: 75 mm
Dorpel: 20 mm · Vleugel: 75 mm



# MONOBLOCK

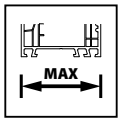




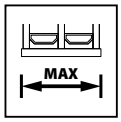
5



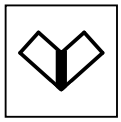
2



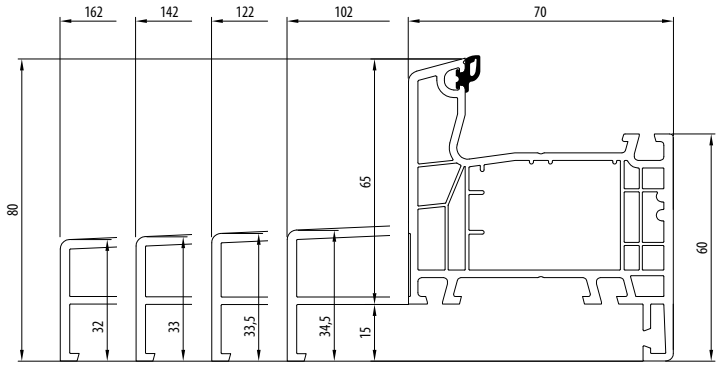

162



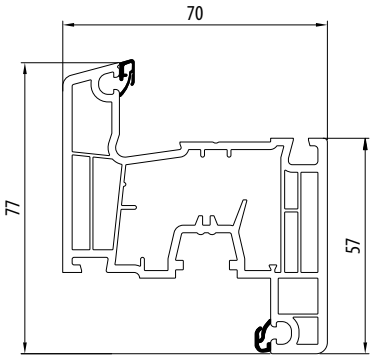

42



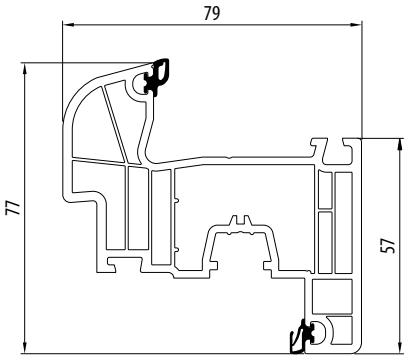




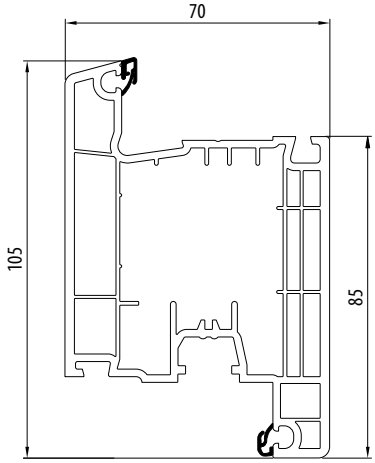

CL 140x19 | 140x18 | 140x16 | 140x14 | 140x12



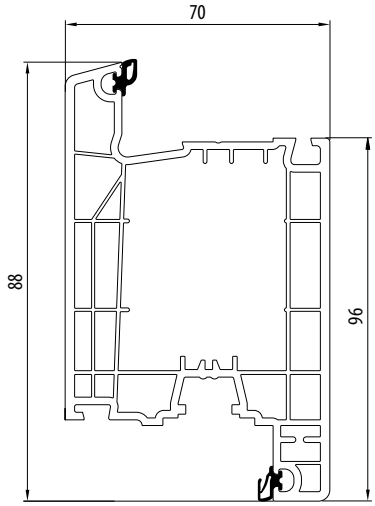

CL ALU 140x20



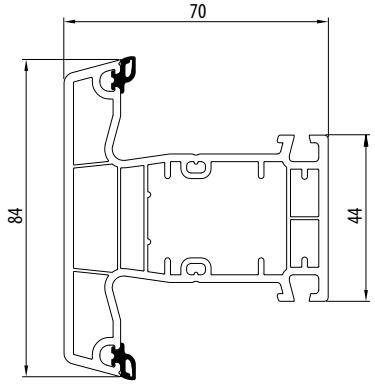

RL 140x22



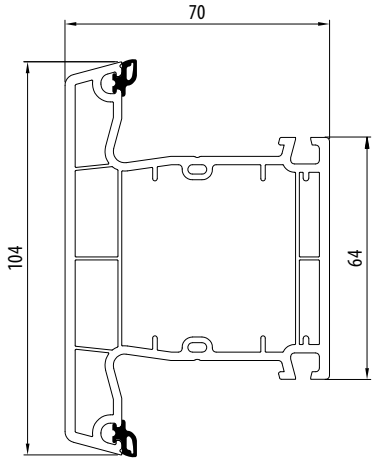

CL ALU 140x30



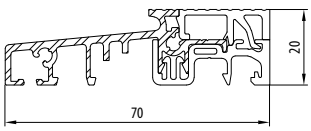

CL ALU 140x33




CL 140x41




CL 140x45

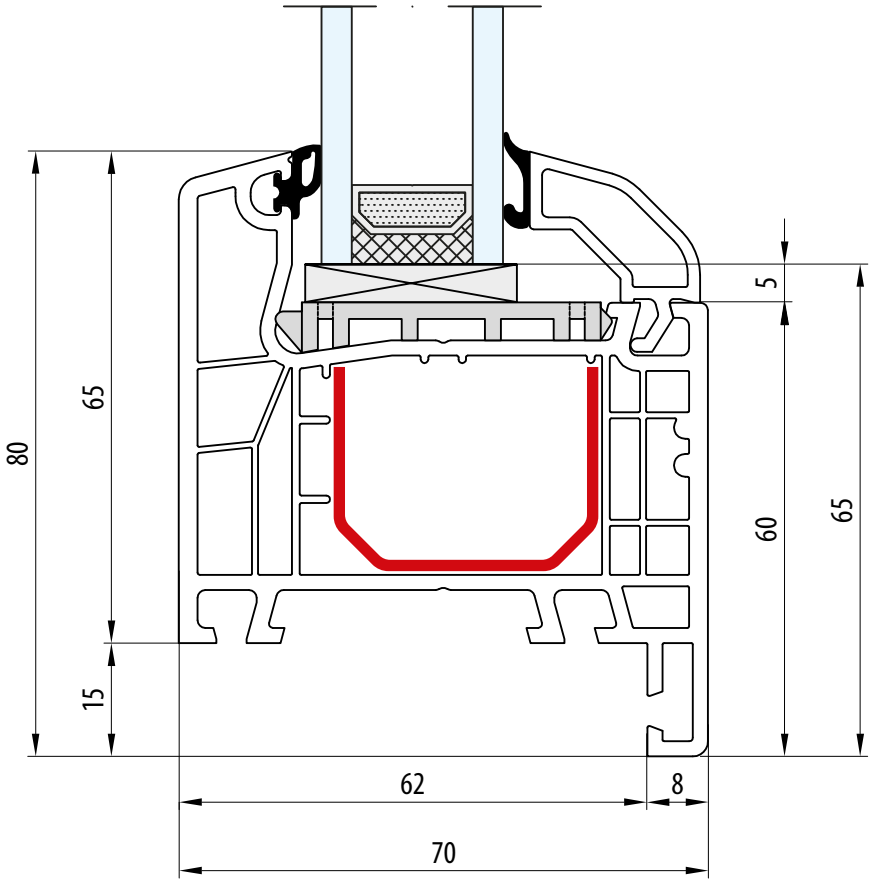



alu - 20 mm

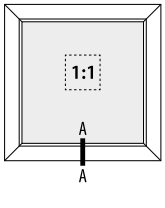
1:2

CL

SL
CL
RL

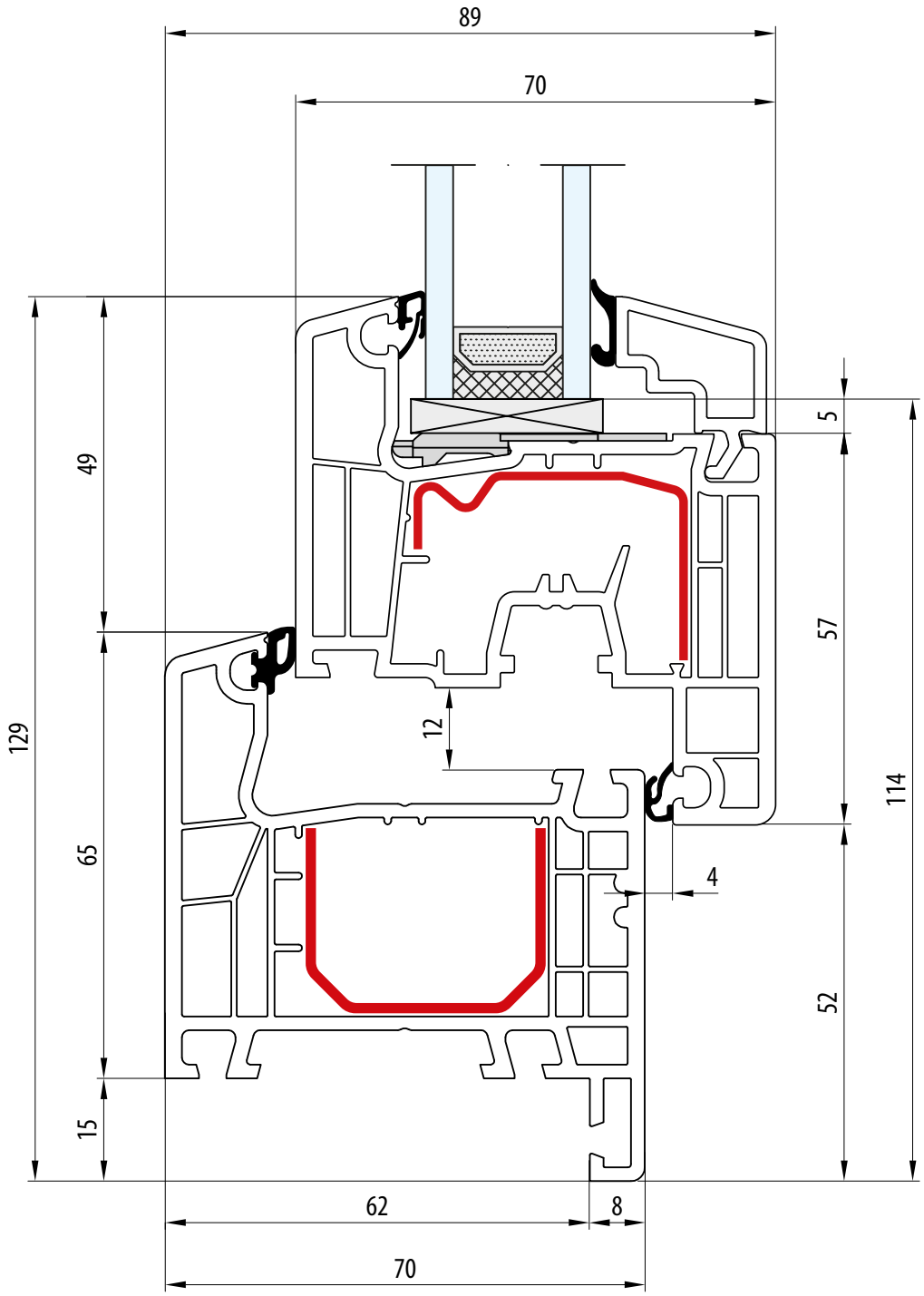



MONOBLOCK - 70 mm · Rama: 80 mm
MONOBLOC - 70 mm · Dormant: 80 mm
MONOBLOK - 70 mm · Frame: 80 mm
MONOBLOCK - 70 mm · Rahmen: 80 mm
MONOBLOCK - 70 mm · Telaio: 80 mm
MONOBLOCK - 70 mm · Kader: 80 mm

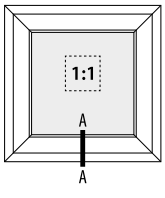


SL
CL

SL
CL
RL

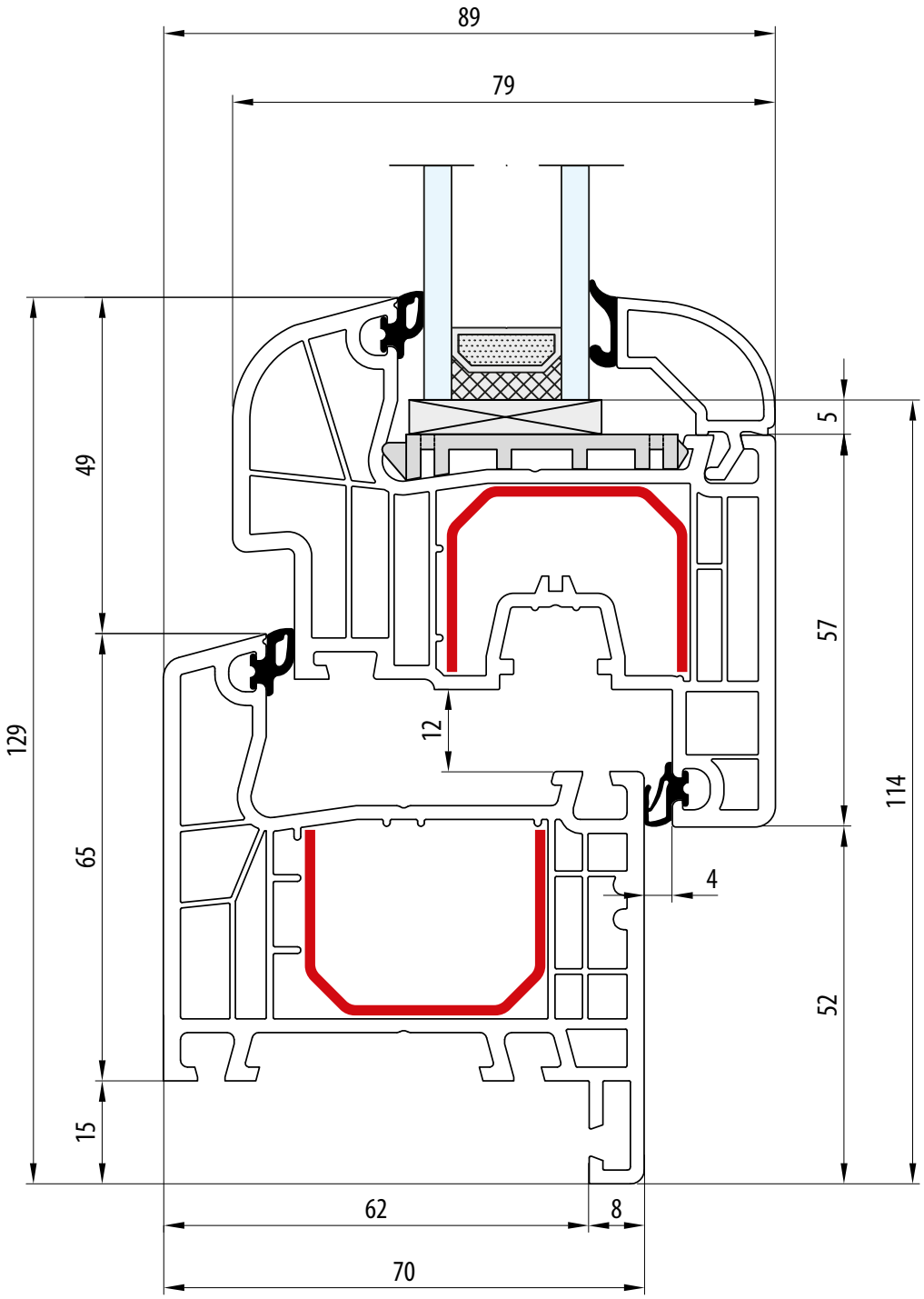



MONOBLOCK - 70 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -70 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 70 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 70 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 70 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 70 mm · Kader: 80 mm · Vleugel: 77 mm

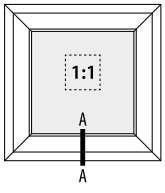


RL

SL
CL
RL




- MONOBLOCK - 70 mm · Rama: 80 mm · Skrzydło: 77 mm
- MONOBLOC -70 mm · Dormant: 80 mm · Vantail: 77 mm
- MONOBLOK - 70 mm · Frame: 80 mm · Sash: 77 mm
- MONOBLOCK - 70 mm · Rahmen: 80 mm · Flügel: 77 mm
- MONOBLOCK - 70 mm · Telaio: 80 mm · Anta: 77 mm
- MONOBLOCK - 70 mm · Kader: 80 mm · Vleugel: 77 mm

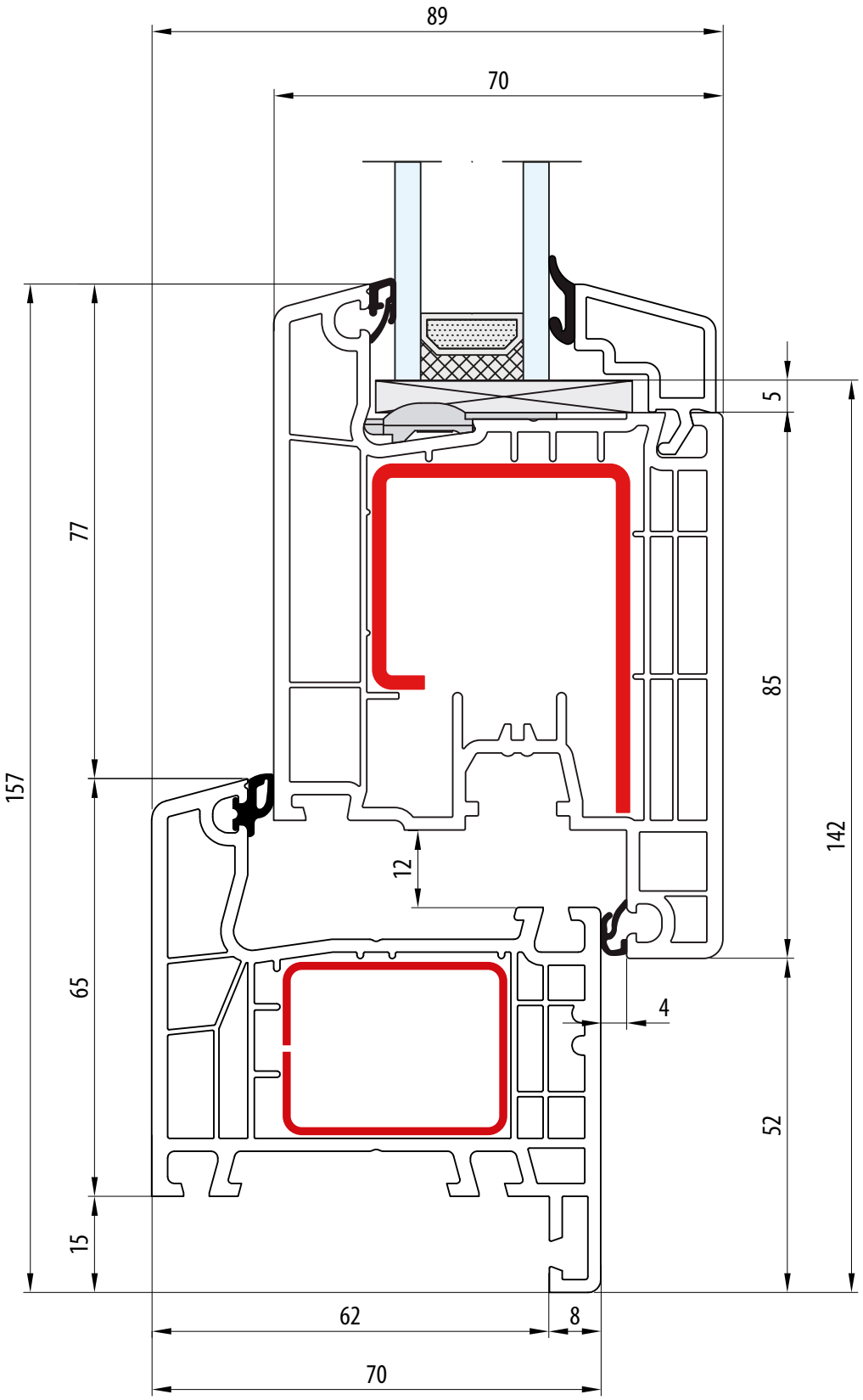




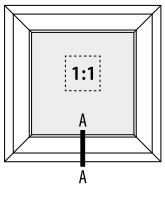


CL

SL
CL
RL

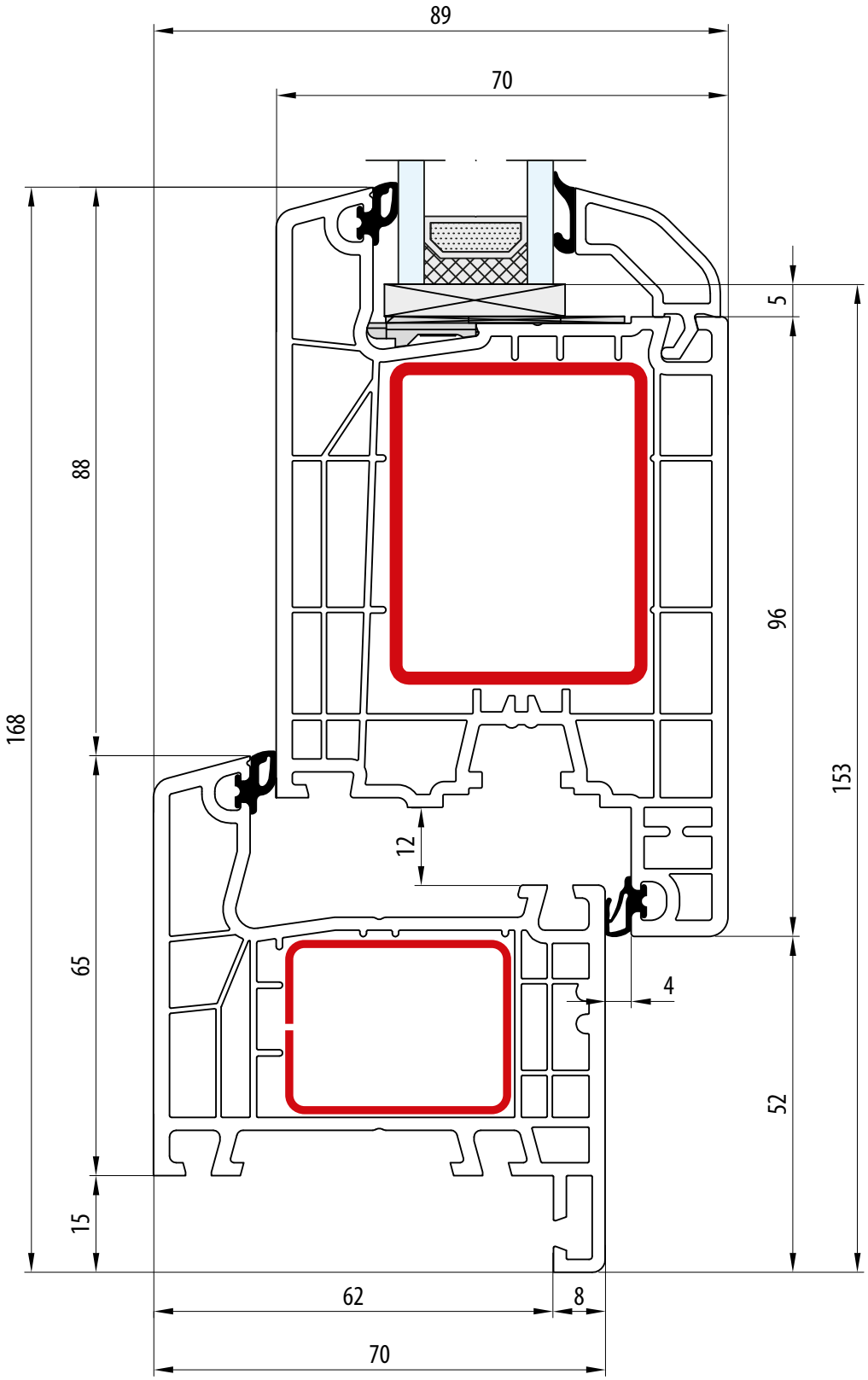



- MONOBLOCK - 70 mm · Rama: 80 mm · Skrzydło: 105 mm
- MONOBLOC -70 mm · Dormant: 80 mm · Vantail: 105 mm
- MONOBLOK - 70 mm · Frame: 80 mm · Sash: 105 mm
- MONOBLOCK - 70 mm · Rahmen: 80 mm · Flügel: 105 mm
- MONOBLOCK - 70 mm · Telaio: 80 mm · Anta: 105 mm
- MONOBLOCK - 70 mm · Kader: 80 mm · Vleugel: 105 mm

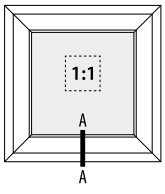


CL

SL
CL
RL

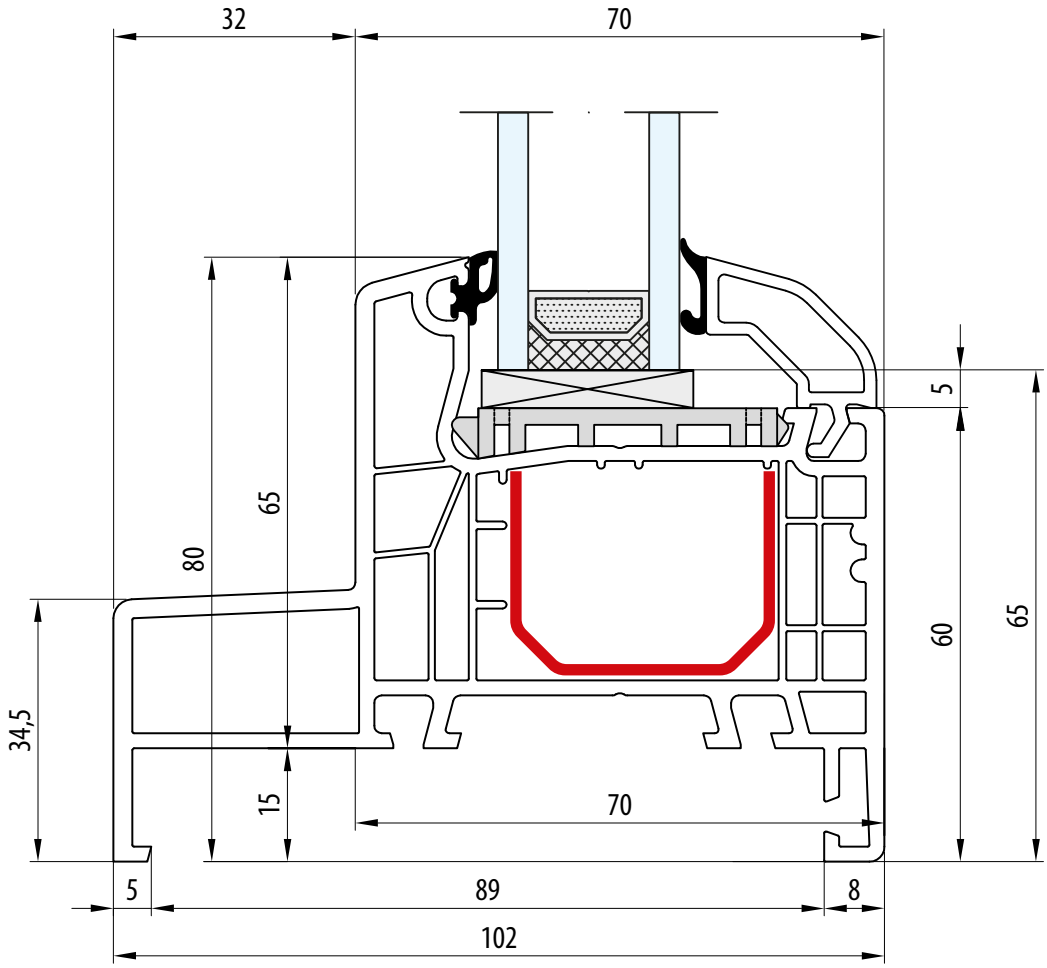



- MONOBLOCK - 70 mm · Rama: 80 mm · Skrzydło: 116 mm
- MONOBLOC -70 mm · Dormant: 80 mm · Vantail: 116 mm
- MONOBLOK - 70 mm · Frame: 80 mm · Sash: 116 mm
- MONOBLOCK - 70 mm · Rahmen: 80 mm · Flügel: 116 mm
- MONOBLOCK - 70 mm · Telaio: 80 mm · Anta: 116 mm
- MONOBLOCK - 70 mm · Kader: 80 mm · Vleugel: 116 mm

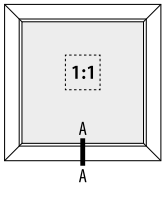


CL

SL
CL
RL

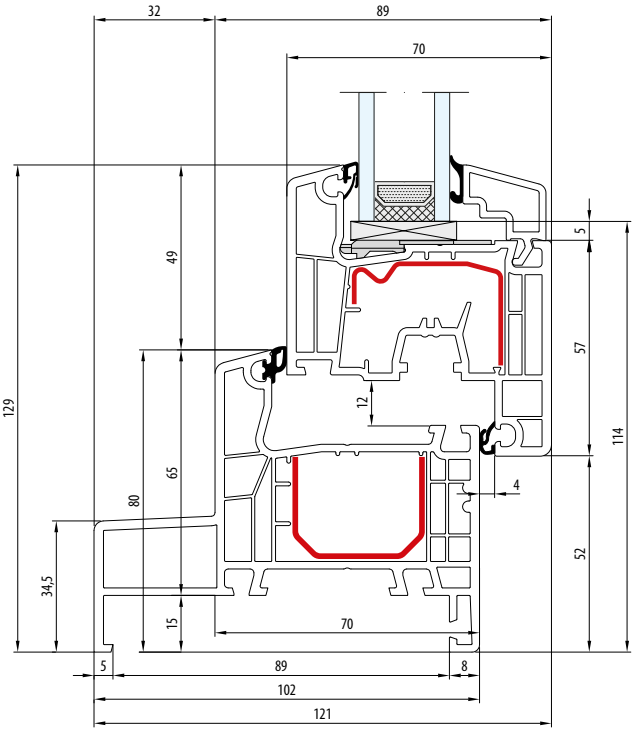



MONOBLOCK - 100 mm · Rama: 80 mm
MONOBLOC - 100 mm · Dormant: 80 mm
MONOBLOK - 100 mm · Frame: 80 mm
MONOBLOCK - 100 mm · Rahmen: 80 mm
MONOBLOCK - 100 mm · Telaio: 80 mm
MONOBLOCK - 100 mm · Kader: 80 mm

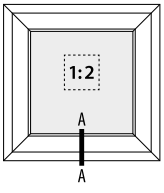


SL
CL

SL
CL
RL

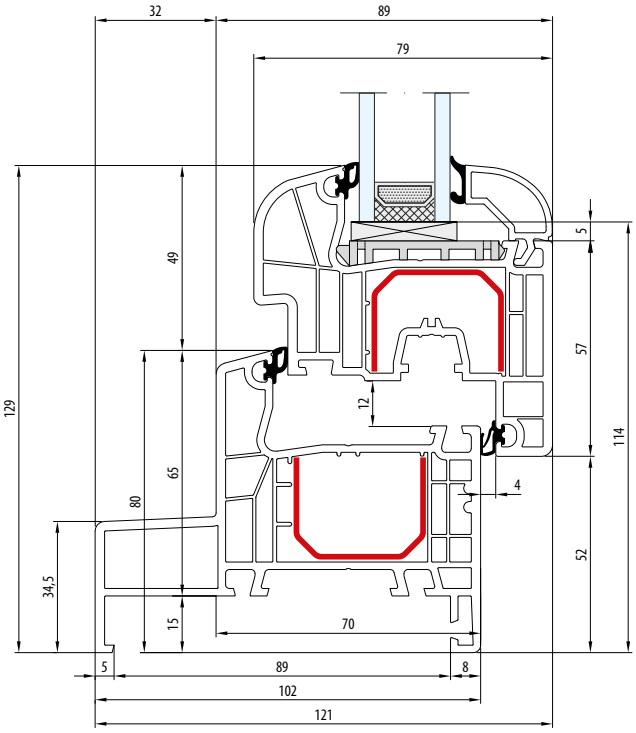



MONOBLOCK - 100 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -100 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 100 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 100 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 100 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 100 mm · Kader: 80 mm · Vleugel: 77 mm

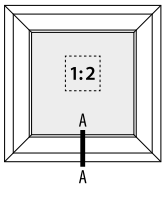


RL

SL
CL
RL

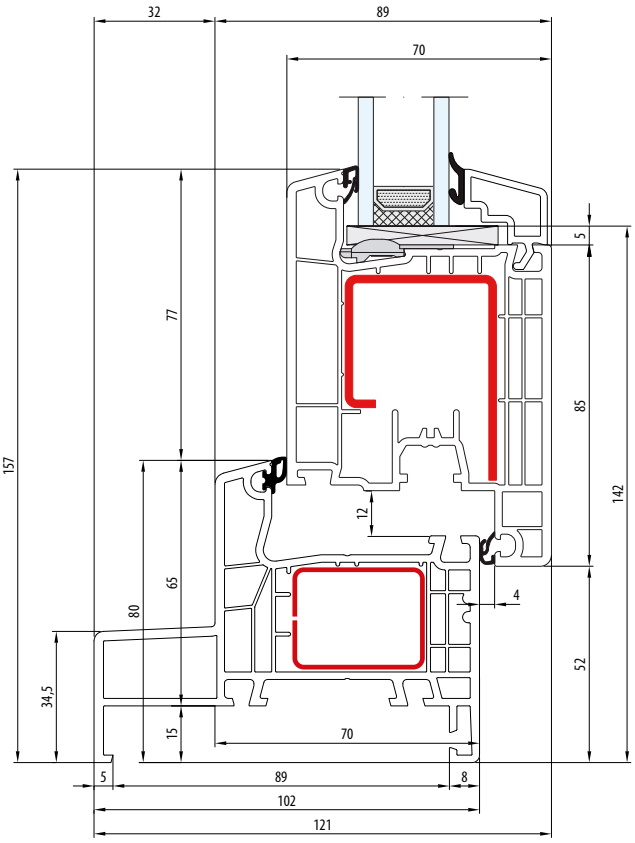



- MONOBLOCK - 100 mm · Rama: 80 mm · Skrzydło: 77 mm
- MONOBLOC -100 mm · Dormant: 80 mm · Vantail: 77 mm
- MONOBLOK - 100 mm · Frame: 80 mm · Sash: 77 mm
- MONOBLOCK - 100 mm · Rahmen: 80 mm · Flügel: 77 mm
- MONOBLOCK - 100 mm · Telaio: 80 mm · Anta: 77 mm
- MONOBLOCK - 100 mm · Kader: 80 mm · Vleugel: 77 mm

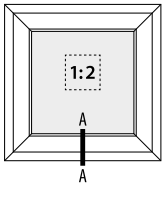


CL

SL
CL
RL

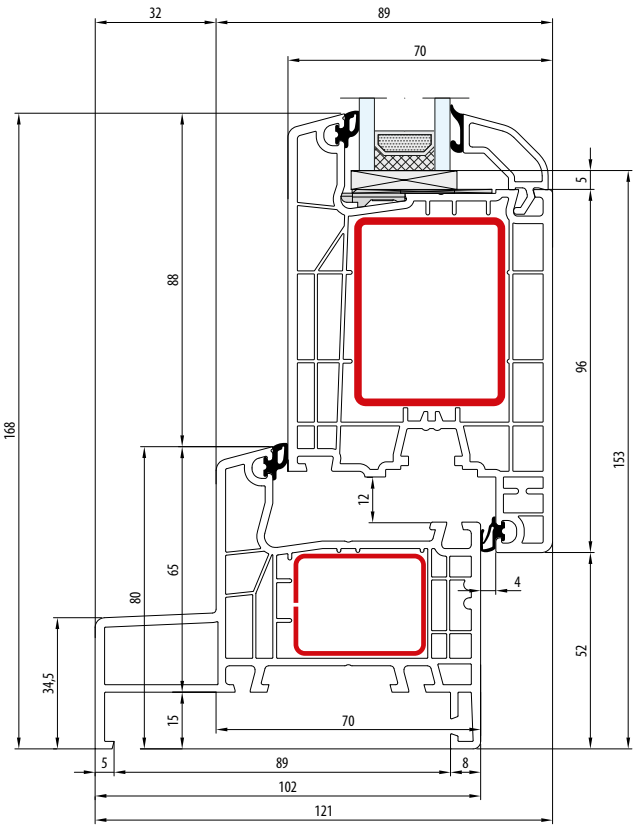



- MONOBLOCK - 100 mm · Rama: 80 mm · Skrzydło: 105 mm
- MONOBLOC -100 mm · Dormant: 80 mm · Vantail: 105 mm
- MONOBLOK - 100 mm · Frame: 80 mm · Sash: 105 mm
- MONOBLOCK - 100 mm · Rahmen: 80 mm · Flügel: 105 mm
- MONOBLOCK - 100 mm · Telaio: 80 mm · Anta: 105 mm
- MONOBLOCK - 100 mm · Kader: 80 mm · Vleugel: 105 mm

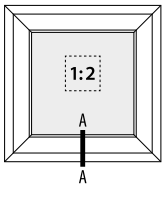


CL

SL
CL
RL

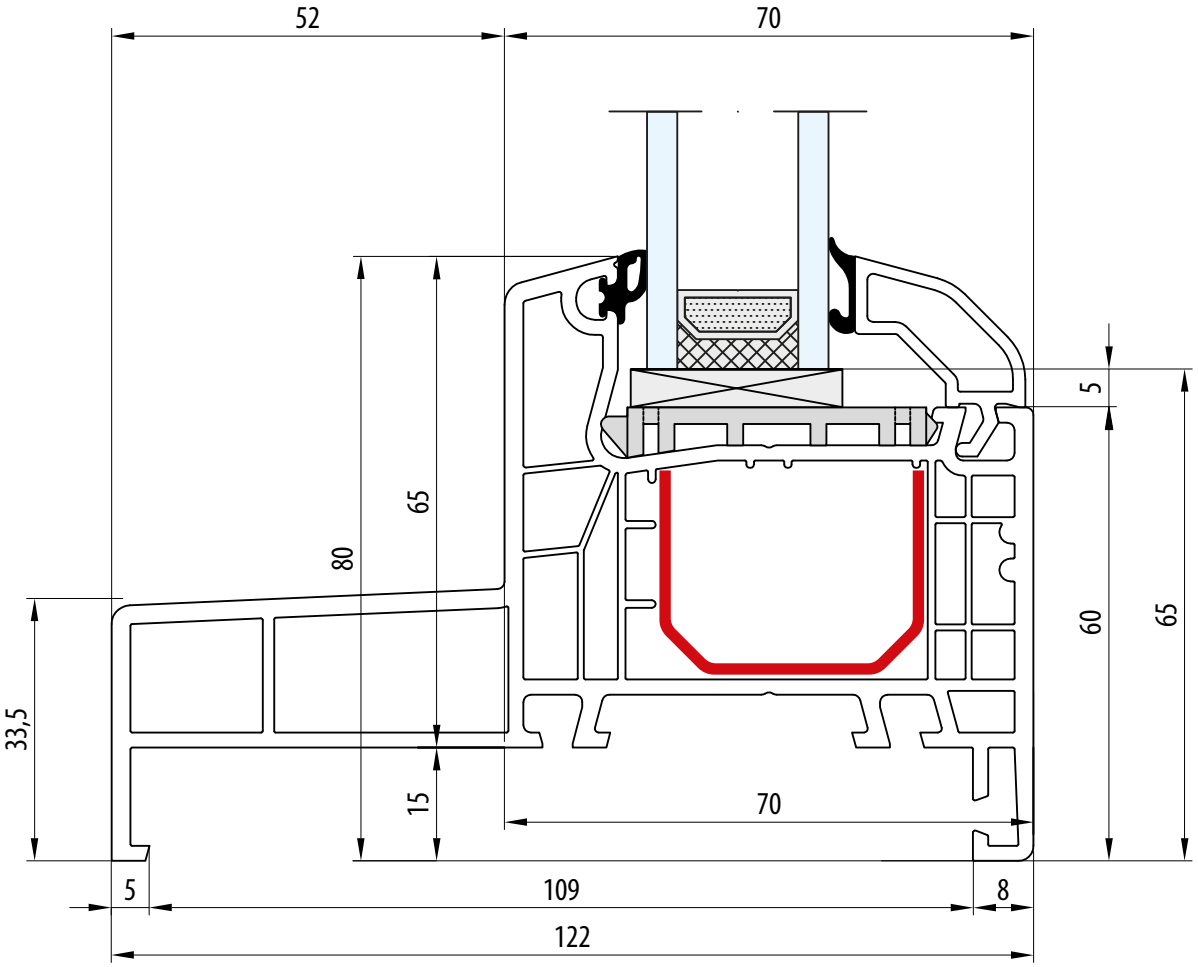



- MONOBLOCK - 100 mm · Rama: 80 mm · Skrzydło: 116 mm
- MONOBLOC -100 mm · Dormant: 80 mm · Vantail: 116 mm
- MONOBLOK - 100 mm · Frame: 80 mm · Sash: 116 mm
- MONOBLOCK - 100 mm · Rahmen: 80 mm · Flügel: 116 mm
- MONOBLOCK - 100 mm · Telaio: 80 mm · Anta: 116 mm
- MONOBLOCK - 100 mm · Kader: 80 mm · Vleugel: 116 mm

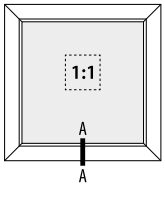


CL

SL
CL
RL

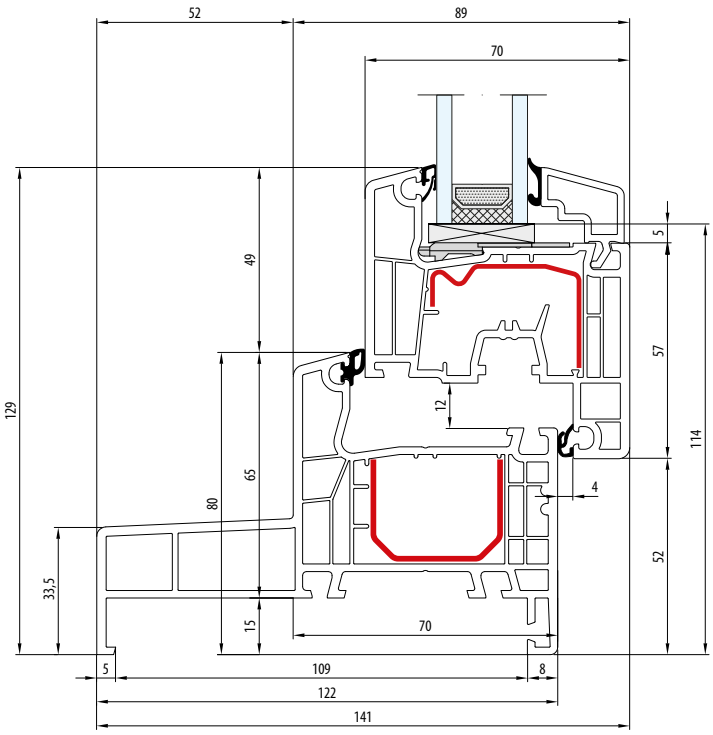



MONOBLOCK - 120 mm · Rama: 80 mm
MONOBLOC - 120 mm · Dormant: 80 mm
MONOBLOK - 120 mm · Frame: 80 mm
MONOBLOCK - 120 mm · Rahmen: 80 mm
MONOBLOCK - 120 mm · Telaio: 80 mm
MONOBLOCK - 120 mm · Kader: 80 mm

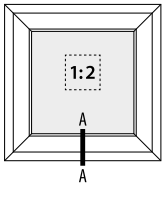


SL
CL

SL
CL
RL

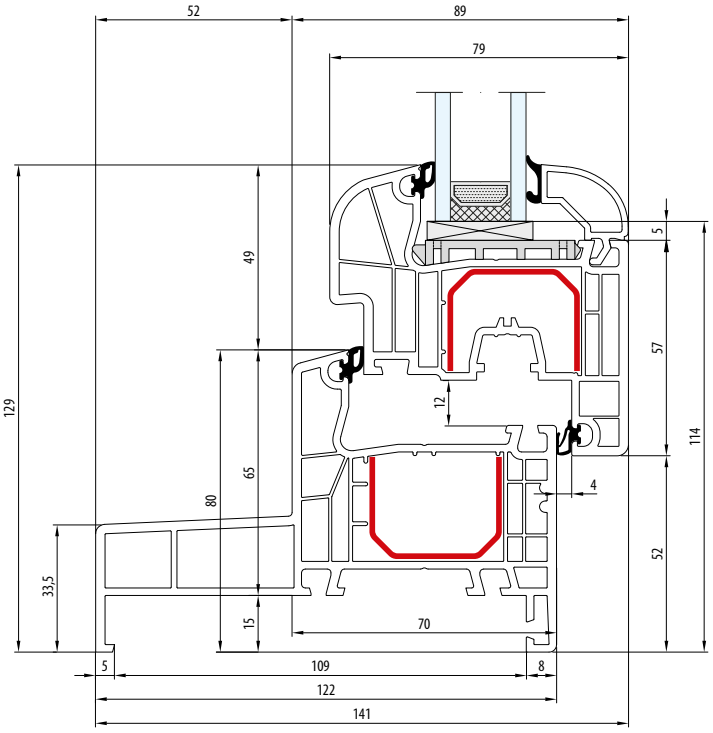



MONOBLOCK - 120 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -120 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 120 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 120 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 120 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 120 mm · Kader: 80 mm · Vleugel: 77 mm

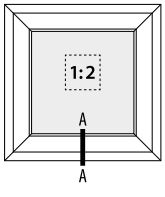


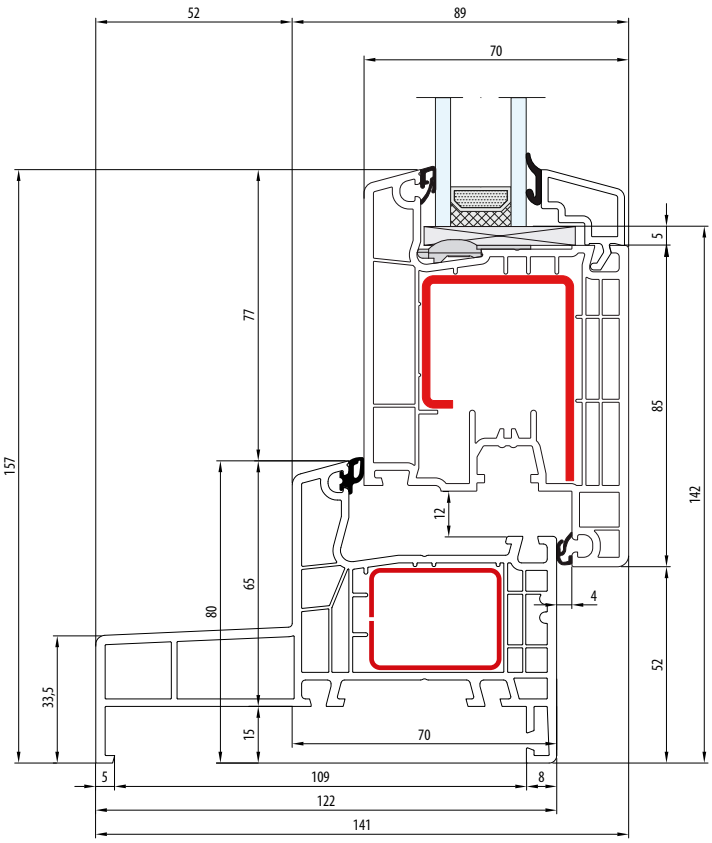
RL

SL
CL
RL

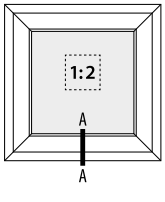



MONOBLOCK - 120 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -120 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 120 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 120 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 120 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 120 mm · Kader: 80 mm · Vleugel: 77 mm



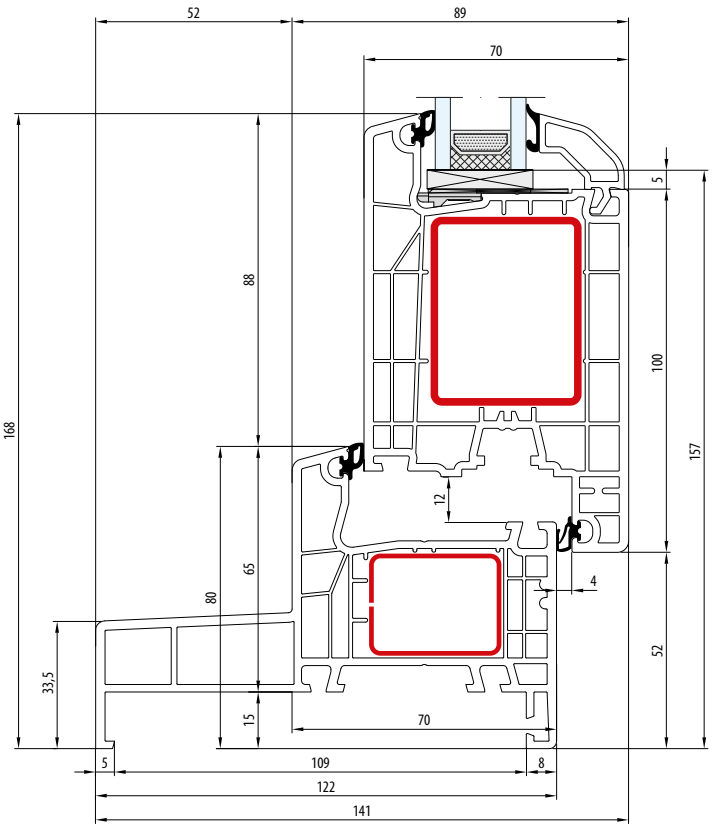



- MONOBLOCK - 120 mm · Rama: 80 mm · Skrzydło: 105 mm
- MONOBLOC -120 mm · Dormant: 80 mm · Vantail: 105 mm
- MONOBLOK - 120 mm · Frame: 80 mm · Sash: 105 mm
- MONOBLOCK - 120 mm · Rahmen: 80 mm · Flügel: 105 mm
- MONOBLOCK - 120 mm · Telaio: 80 mm · Anta: 105 mm
- MONOBLOCK - 120 mm · Kader: 80 mm · Vleugel: 105 mm

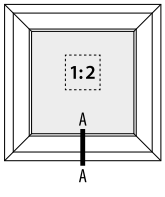


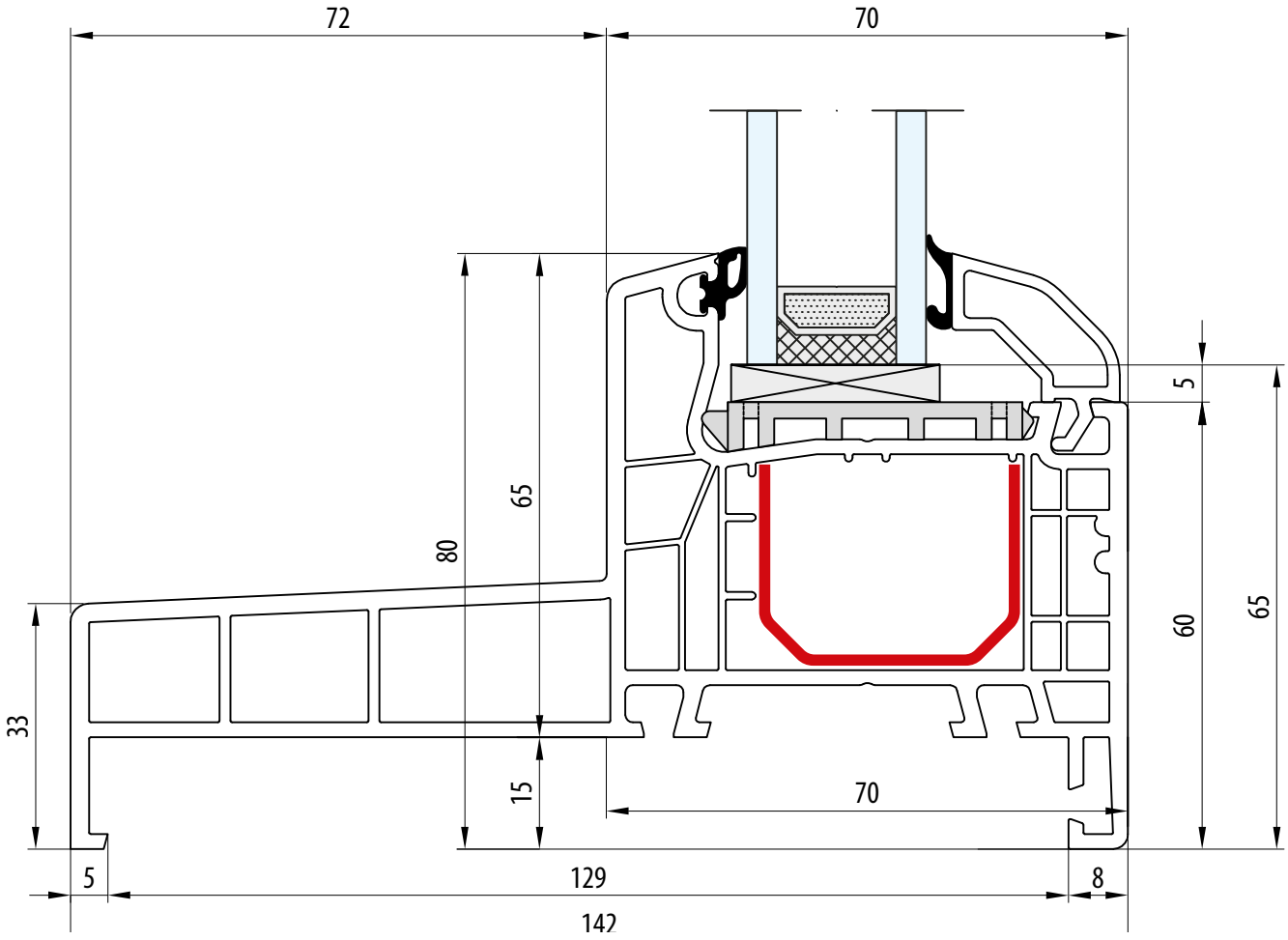
CL

SL
CL
RL

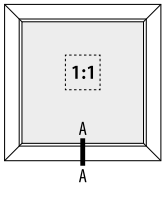



- MONOBLOCK - 120 mm · Rama: 80 mm · Skrzydło: 116 mm
- MONOBLOC -120 mm · Dormant: 80 mm · Vantail: 116 mm
- MONOBLOK - 120 mm · Frame: 80 mm · Sash: 116 mm
- MONOBLOCK - 120 mm · Rahmen: 80 mm · Flügel: 116 mm
- MONOBLOCK - 120 mm · Telaio: 80 mm · Anta: 116 mm
- MONOBLOCK - 120 mm · Kader: 80 mm · Vleugel: 116 mm



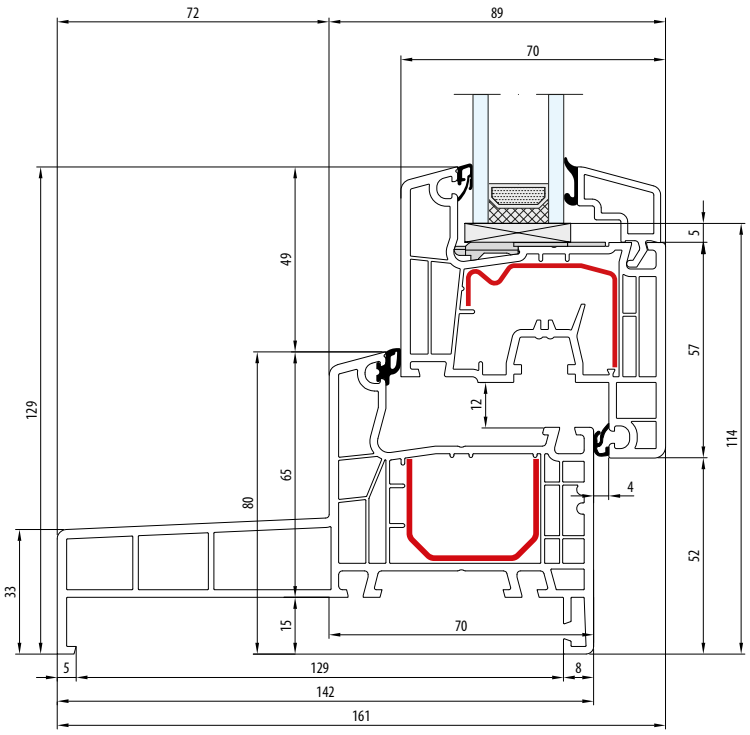



- MONOBLOCK - 140 mm · Rama: 80 mm
- MONOBLOC - 140 mm · Dormant: 80 mm
- MONOBLOK - 140 mm · Frame: 80 mm
- MONOBLOCK - 140 mm · Rahmen: 80 mm
- MONOBLOCK - 140 mm · Telaio: 80 mm
- MONOBLOCK - 140 mm · Kader: 80 mm

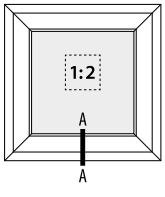


SL
CL

SL
CL
RL

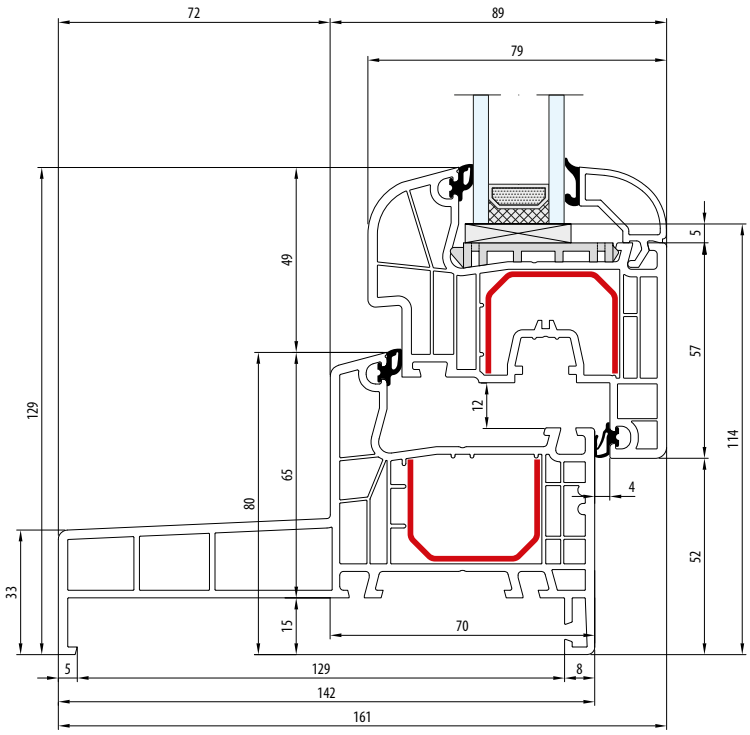



MONOBLOCK - 140 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -140 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 140 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 140 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 140 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 140 mm · Kader: 80 mm · Vleugel: 77 mm

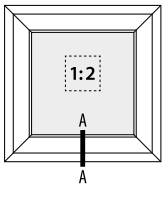


RL

SL
CL
RL

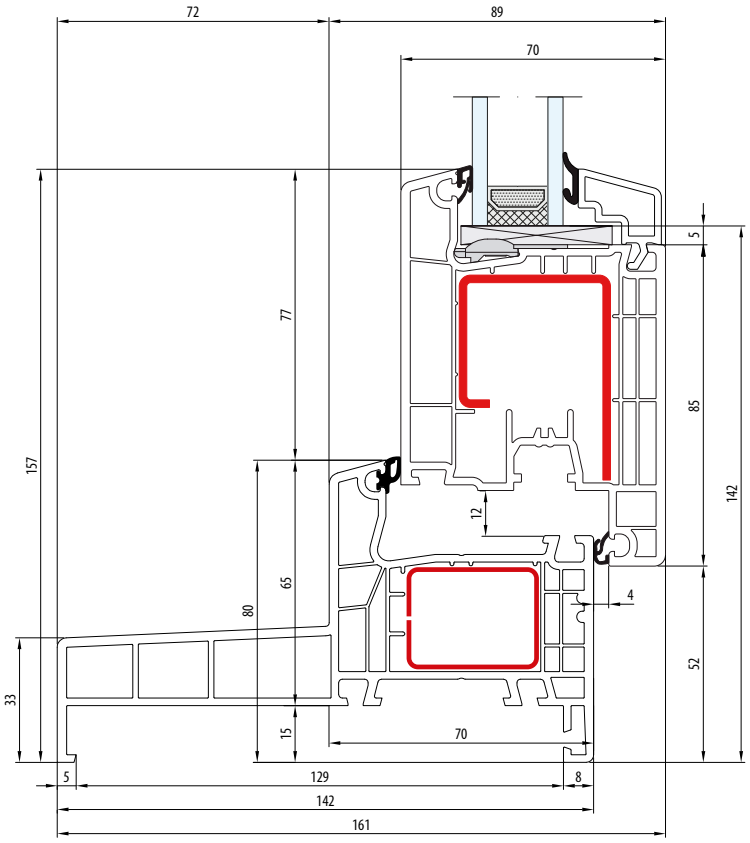



MONOBLOCK - 140 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -140 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 140 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 140 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 140 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 140 mm · Kader: 80 mm · Vleugel: 77 mm

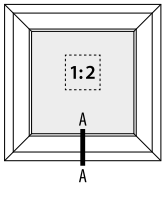


CL

SL
CL
RL

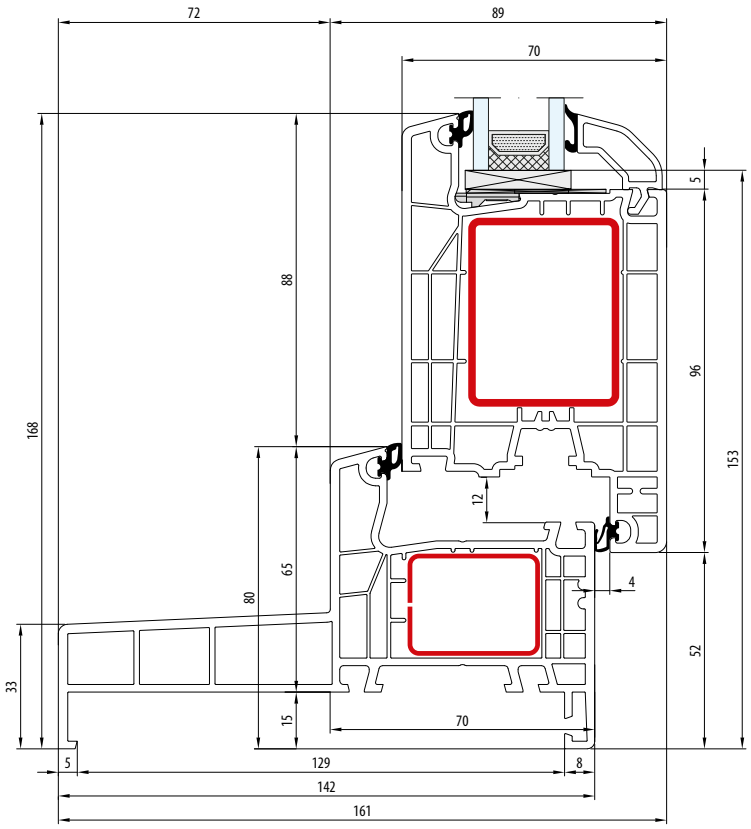



MONOBLOCK - 140 mm · Rama: 80 mm · Skrzydło: 105 mm
MONOBLOC -140 mm · Dormant: 80 mm · Vantail: 105 mm
MONOBLOK - 140 mm · Frame: 80 mm · Sash: 105 mm
MONOBLOCK - 140 mm · Rahmen: 80 mm · Flügel: 105 mm
MONOBLOCK - 140 mm · Telaio: 80 mm · Anta: 105 mm
MONOBLOCK - 140 mm · Kader: 80 mm · Vleugel: 105 mm

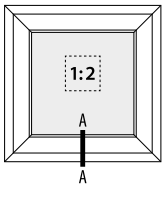


CL

SL
CL
RL

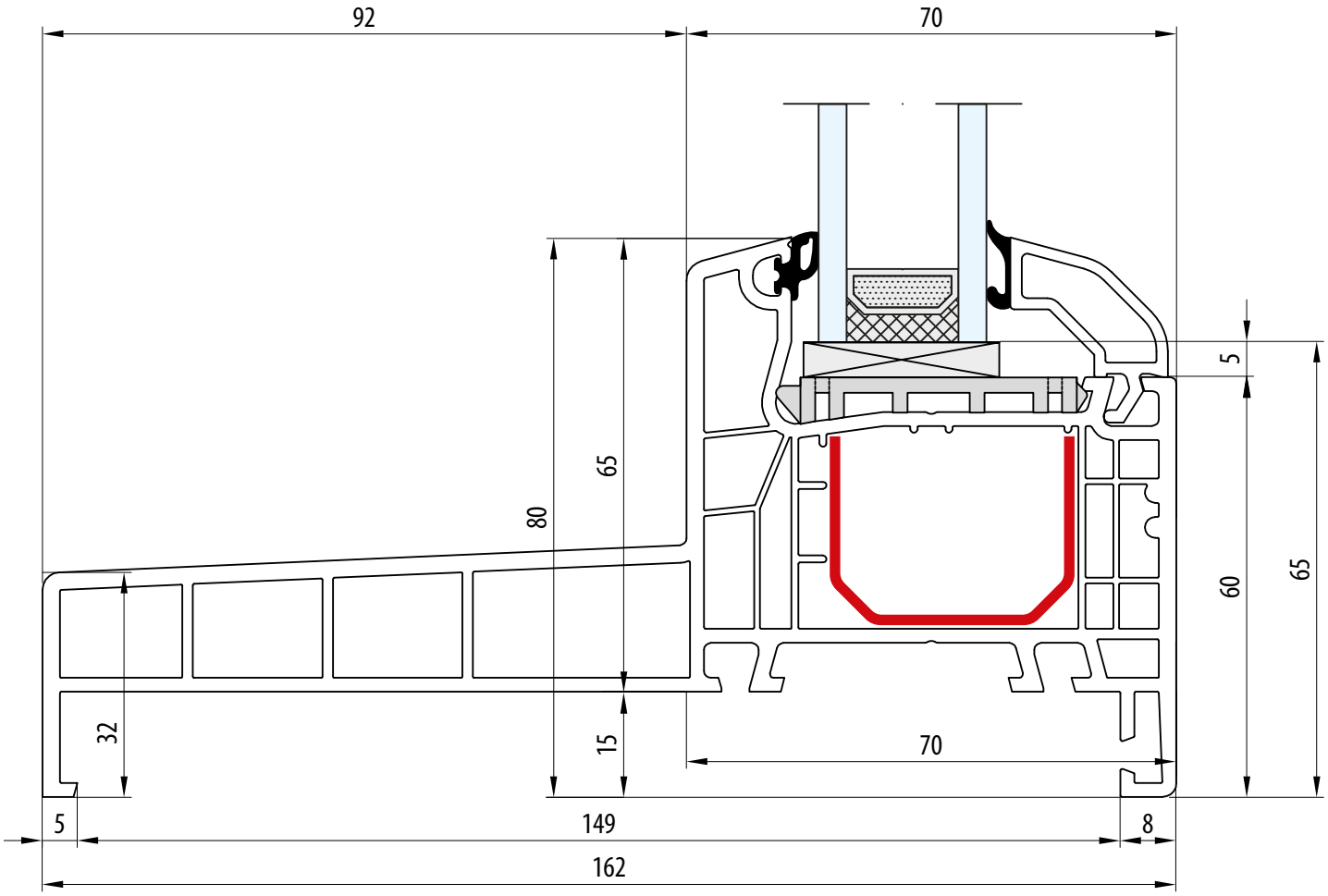



- MONOBLOCK - 140 mm · Rama: 80 mm · Skrzydło: 116 mm
- MONOBLOC -140 mm · Dormant: 80 mm · Vantail: 116 mm
- MONOBLOK - 140 mm · Frame: 80 mm · Sash: 116 mm
- MONOBLOCK - 140 mm · Rahmen: 80 mm · Flügel: 116 mm
- MONOBLOCK - 140 mm · Telaio: 80 mm · Anta: 116 mm
- MONOBLOCK - 140 mm · Kader: 80 mm · Vleugel: 116 mm

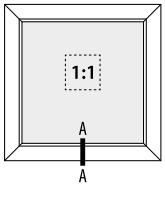


CL

SL
CL
RL

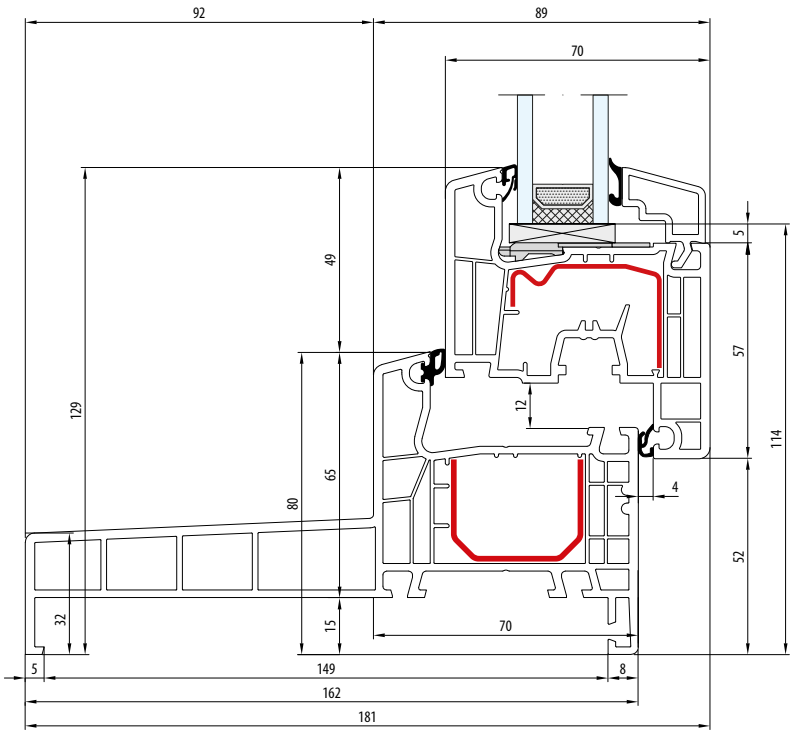



MONOBLOCK - 160 mm · Rama: 80 mm
MONOBLOC -160 mm · Dormant: 80 mm
MONOBLOK - 160 mm · Frame: 80 mm
MONOBLOCK - 160 mm · Rahmen: 80 mm
MONOBLOCK - 160 mm · Telaio: 80 mm
MONOBLOCK - 160 mm · Kader: 80 mm

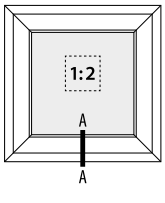


SL
CL

SL
CL
RL

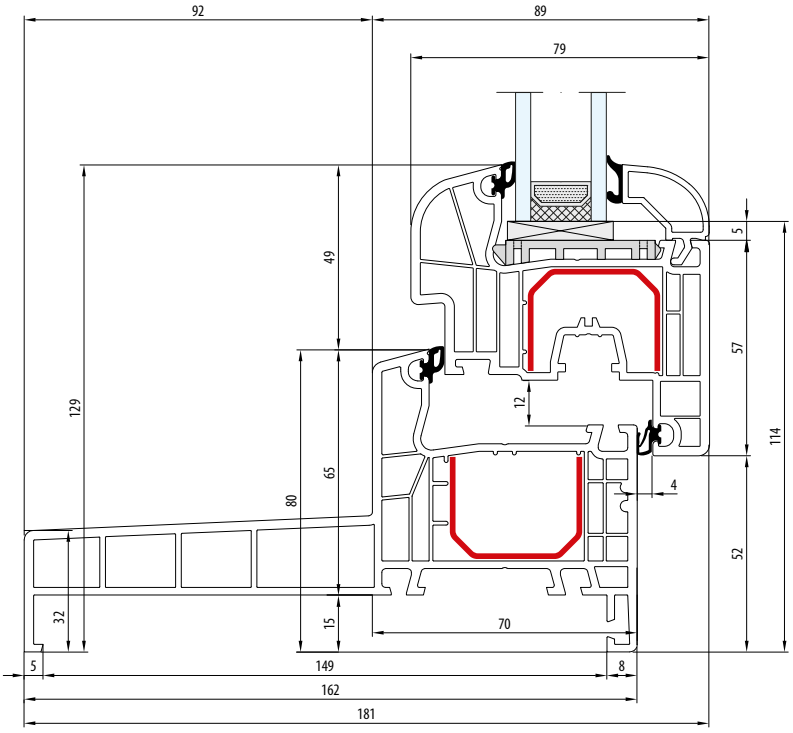



MONOBLOCK - 160 mm · Rama: 80 mm · Skrzydło: 77 mm
MONOBLOC -160 mm · Dormant: 80 mm · Vantail: 77 mm
MONOBLOK - 160 mm · Frame: 80 mm · Sash: 77 mm
MONOBLOCK - 160 mm · Rahmen: 80 mm · Flügel: 77 mm
MONOBLOCK - 160 mm · Telaio: 80 mm · Anta: 77 mm
MONOBLOCK - 160 mm · Kader: 80 mm · Vleugel: 77 mm

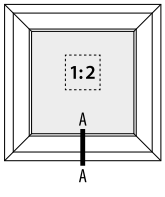


RL

SL
CL
RL

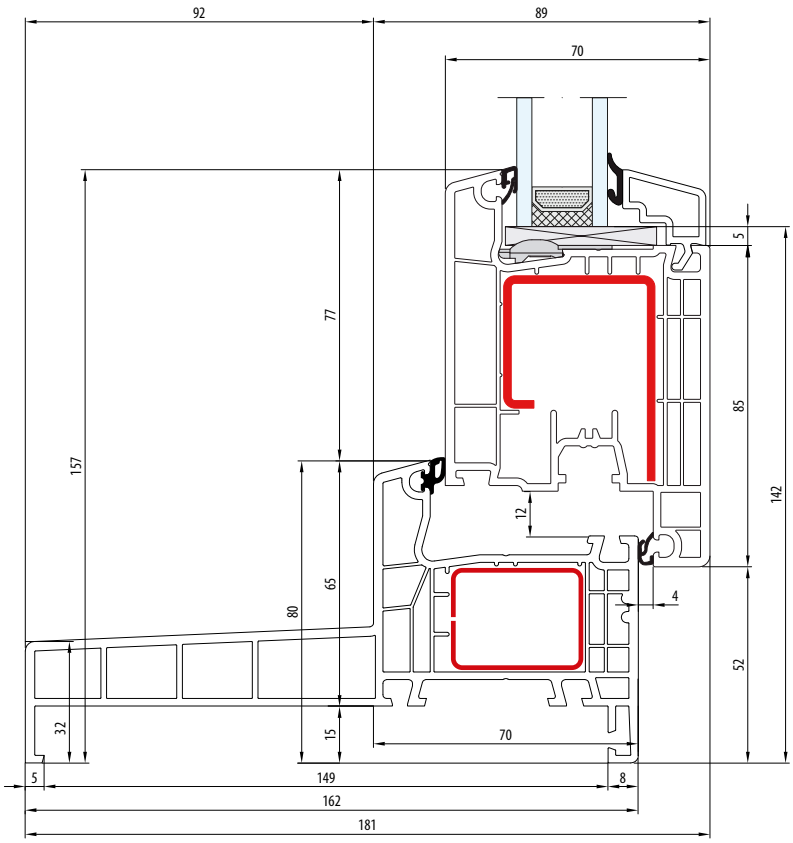



- MONOBLOCK - 160 mm · Rama: 80 mm · Skrzydło: 77 mm
- MONOBLOC -160 mm · Dormant: 80 mm · Vantail: 77 mm
- MONOBLOK - 160 mm · Frame: 80 mm · Sash: 77 mm
- MONOBLOCK - 160 mm · Rahmen: 80 mm · Flügel: 77 mm
- MONOBLOCK - 160 mm · Telaio: 80 mm · Anta: 77 mm
- MONOBLOCK - 160 mm · Kader: 80 mm · Vleugel: 77 mm

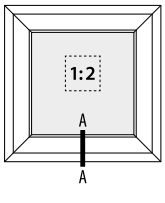


CL

SL
CL
RL

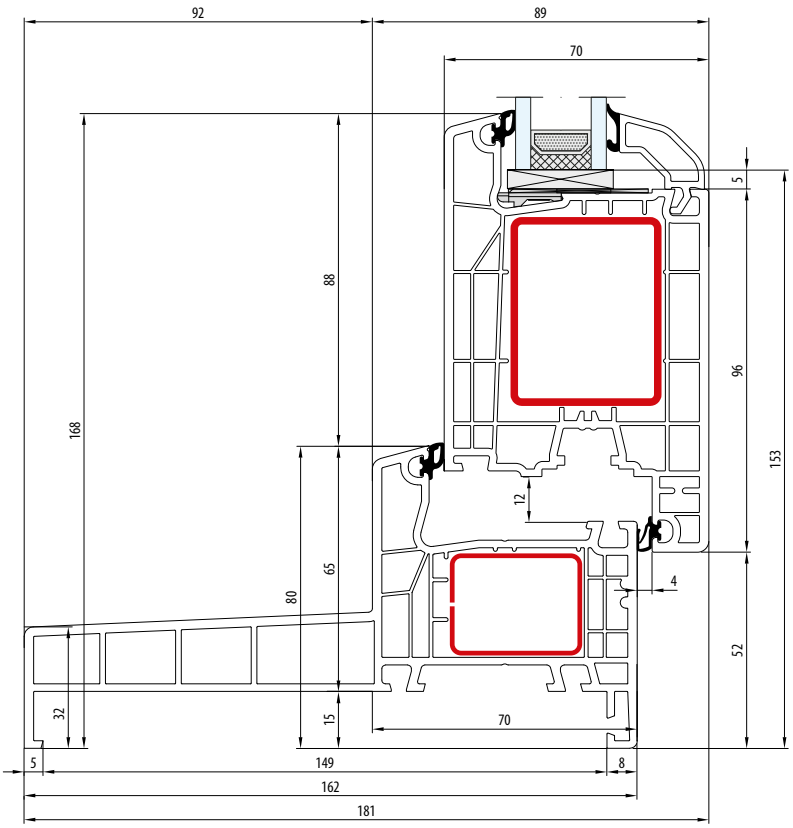



- MONOBLOCK - 160 mm · Rama: 80 mm · Skrzydło: 105 mm
- MONOBLOC -160 mm · Dormant: 80 mm · Vantail: 105 mm
- MONOBLOK - 160 mm · Frame: 80 mm · Sash: 105 mm
- MONOBLOCK - 160 mm · Rahmen: 80 mm · Flügel: 105 mm
- MONOBLOCK - 160 mm · Telaio: 80 mm · Anta: 105 mm
- MONOBLOCK - 160 mm · Kader: 80 mm · Vleugel: 105 mm

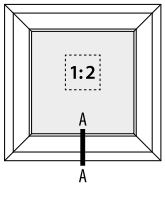


CL

SL
CL
RL



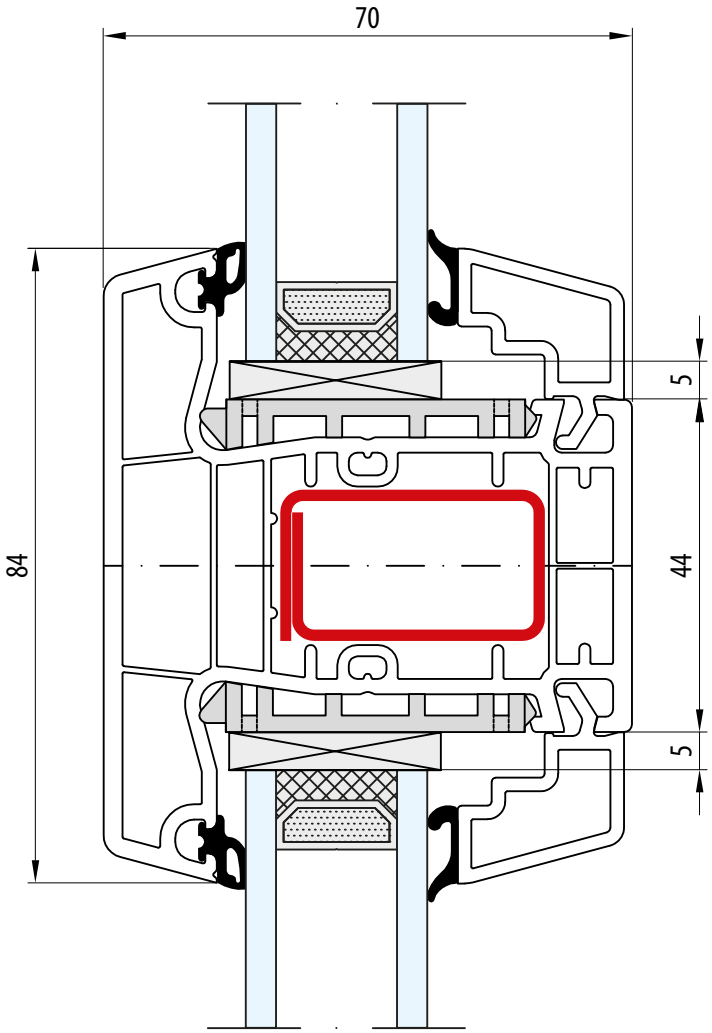

MONOBLOCK - 160 mm · Rama: 80 mm · Skrzydło: 116 mm
MONOBLOC -160 mm · Dormant: 80 mm · Vantail: 116 mm
MONOBLOK - 160 mm · Frame: 80 mm · Sash: 116 mm
MONOBLOCK - 160 mm · Rahmen: 80 mm · Flügel: 116 mm
MONOBLOCK - 160 mm · Telaio: 80 mm · Anta: 116 mm
MONOBLOCK - 160 mm · Kader: 80 mm · Vleugel: 116 mm



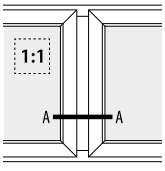






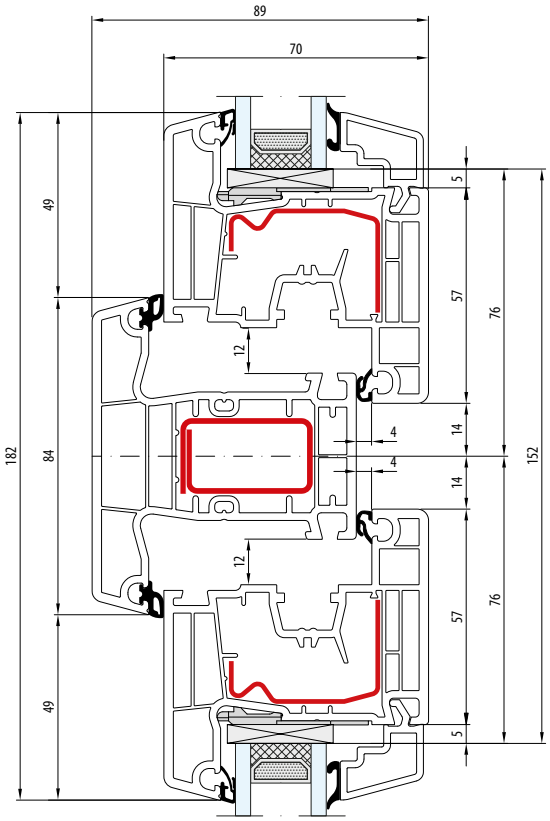




- Słupek stały: 84 mm
- Meneau fixe: 84 mm
- Fix post: 84 mm
- Festem Pfahl: 84 mm
- Montante fisso: 84 mm
- Vaste stijl: 84 mm

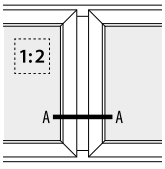


SL
CL

SL
CL
RL

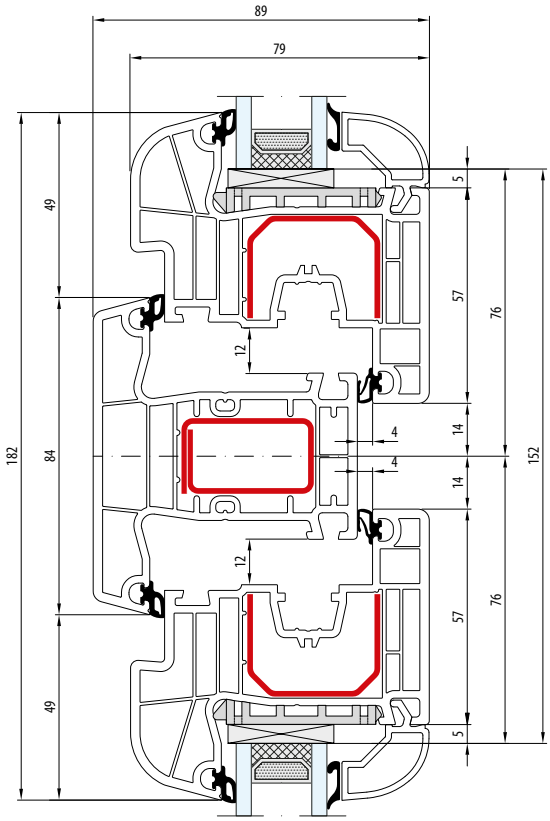



Słupek stały: 84 mm · Skrzydło: 77 mm
Meneau fixe: 84 mm · Vantail: 77 mm
Fix post: 84 mm · Sash: 77 mm
Festem Pfahl: 84 mm · Flügel: 77 mm
Montante fisso: 84 mm · Anta: 77 mm
Vaste stijl: 84 mm · Vleugel: 77 mm

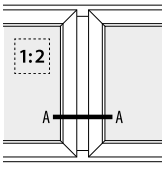


RL

SL
CL
RL

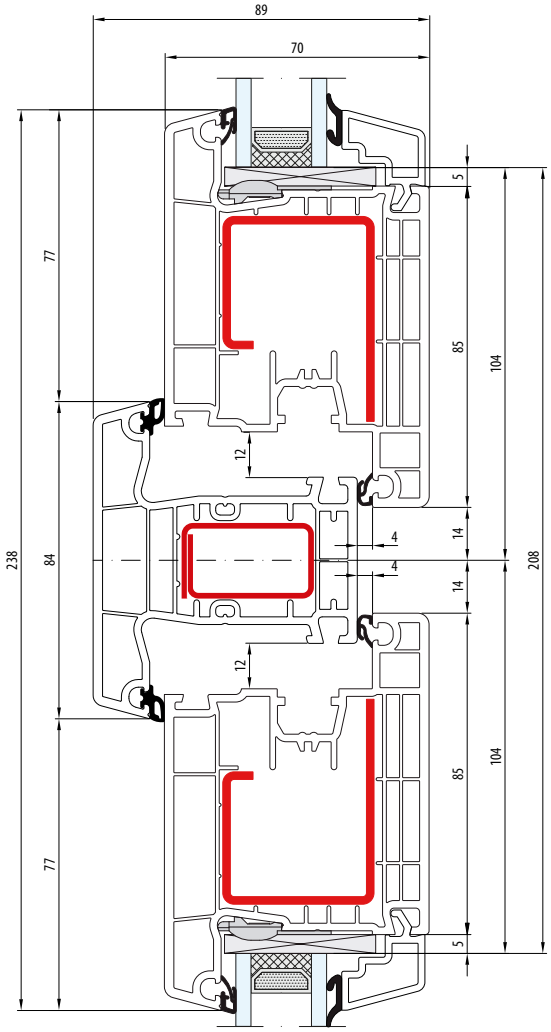



- Słupek stały: 84 mm · Skrzydło: 77 mm
- Meneau fixe: 84 mm · Vantail: 77 mm
- Fix post: 84 mm · Sash: 77 mm
- Festem Pfahl: 84 mm · Flügel: 77 mm
- Montante fisso: 84 mm · Anta: 77 mm
- Vaste stijl: 84 mm · Vleugel: 77 mm

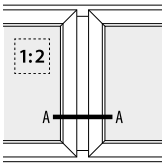


SL
CL

SL
CL
RL




Słupek stały: 84 mm · Skrzydło: 105 mm
Meneau fixe: 84 mm · Vantail: 105 mm
Fix post: 84 mm · Sash: 105 mm
Festem Pfahl: 84 mm · Flügel: 105 mm
Montante fisso: 84 mm · Anta: 105 mm
Vaste stijl: 84 mm · Vleugel: 105 mm



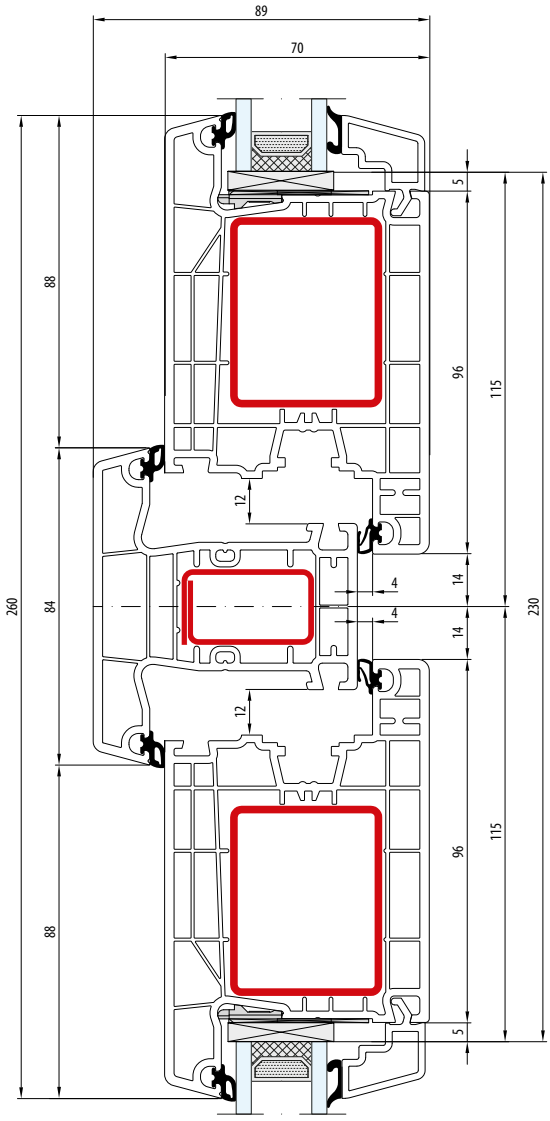




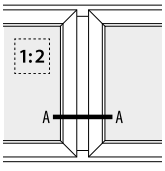






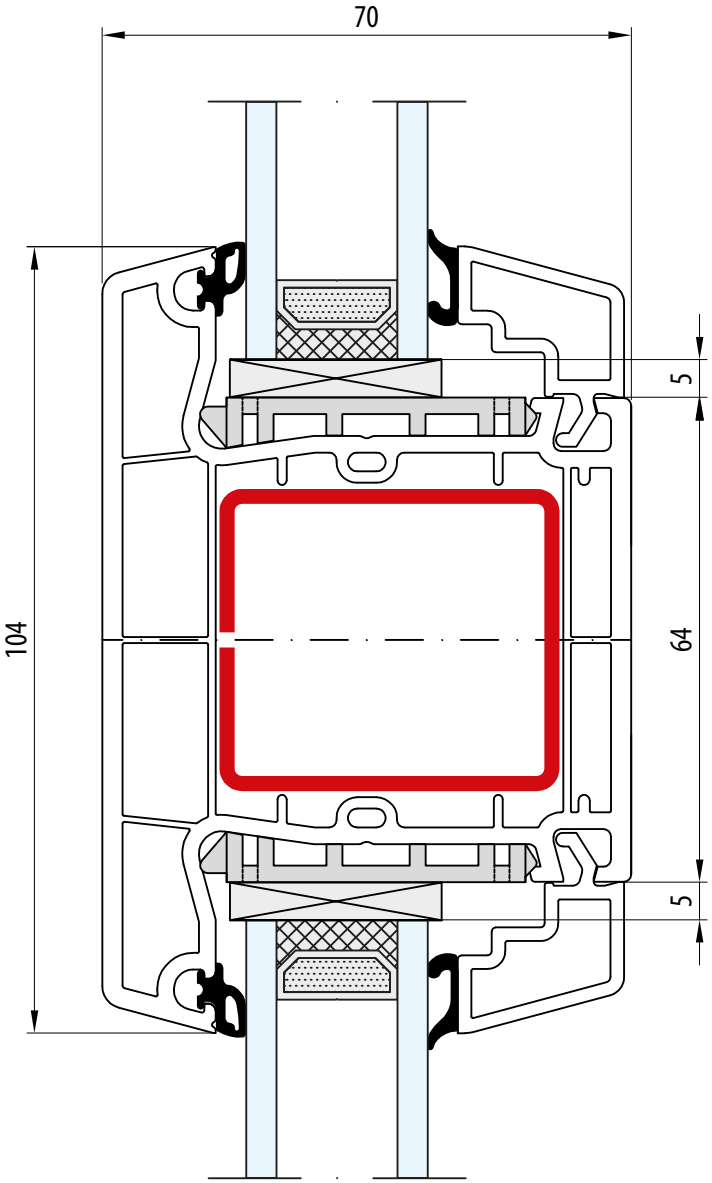



- Słupek stały: 84 mm · Skrzydło: 116 mm
- Meneau fixe: 84 mm · Vantail: 116 mm
- Fix post: 84 mm · Sash: 116 mm
- Festem Pfahl: 84 mm · Flügel: 116 mm
- Montante fisso: 84 mm · Anta: 116 mm
- Vaste stijl: 84 mm · Vleugel: 116 mm

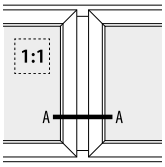


CL

SL
CL
RL

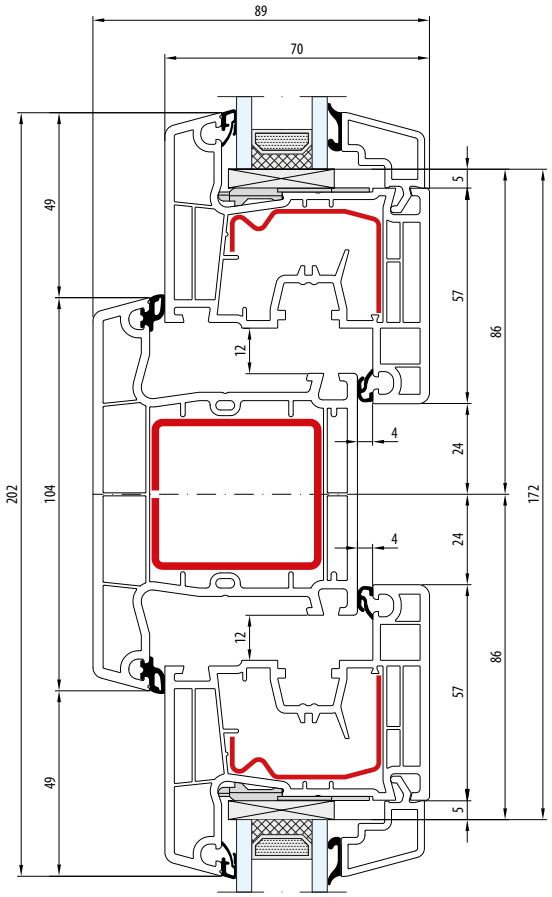



- Słupek stały: 104 mm
- Meneau fixe: 104 mm
- Fix post: 104 mm
- Festem Pfahl: 104 mm
- Montante fisso: 104 mm
- Vaste stijl: 104 mm

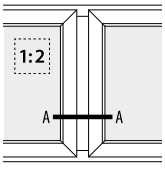


SL
CL

SL
CL
RL

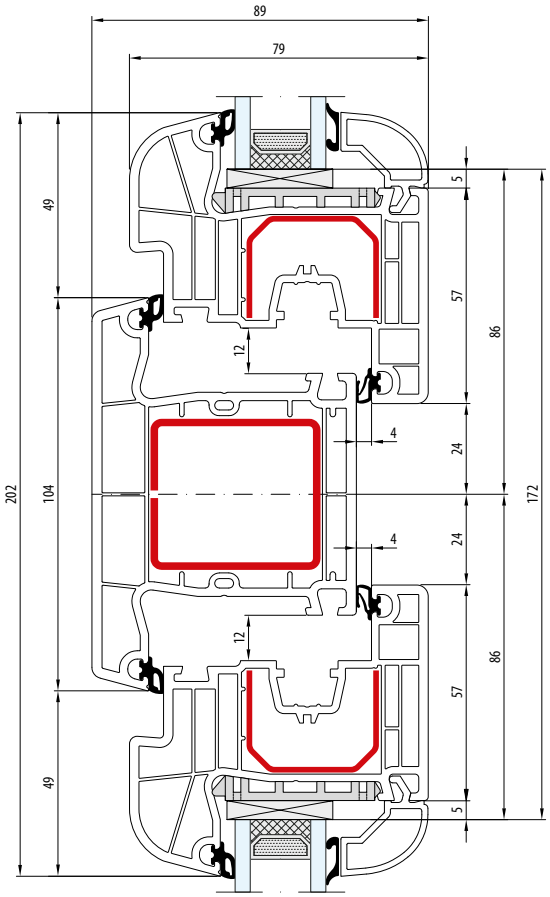



Słupek stały: 104 mm · Skrzydło: 77 mm
Meneau fixe: 104 mm · Vantail: 77 mm
Fix post: 104 mm · Sash: 77 mm
Festem Pfahl: 104 mm · Flügel: 77 mm
Montante fisso: 104 mm · Anta: 77 mm
Vaste stijl: 104 mm · Vleugel: 77 mm

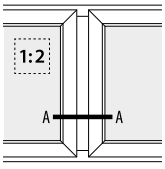


RL

SL CL RL




- Słupek stały: 104 mm · Skrzydło: 77 mm
- Meneau fixe: 104 mm · Vantail: 77 mm
- Fix post: 104 mm · Sash: 77 mm
- Festem Pfahl: 104 mm · Flügel: 77 mm
- Montante fisso: 104 mm · Anta: 77 mm
- Vaste stijl: 104 mm · Vleugel: 77 mm



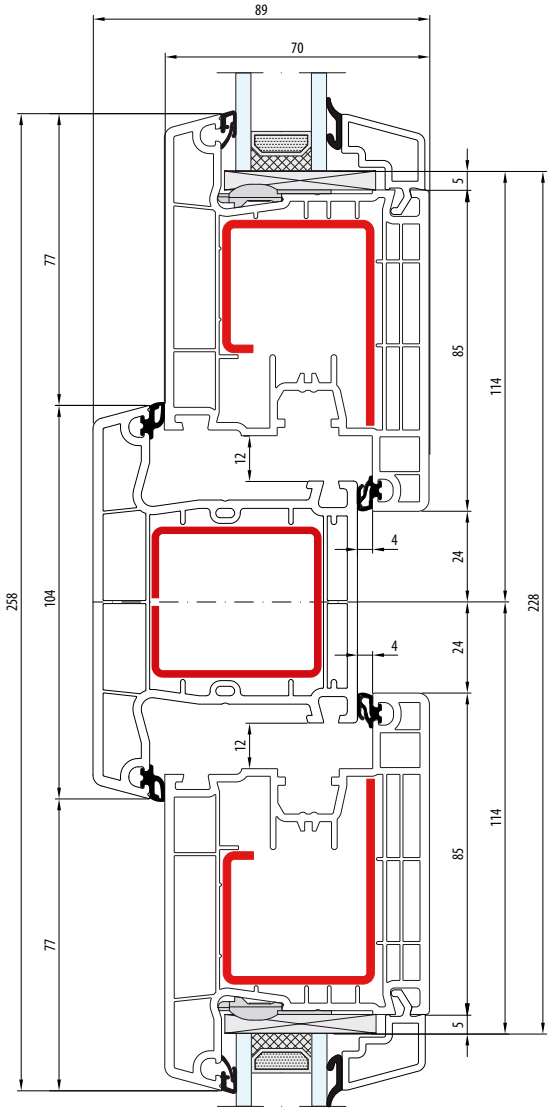




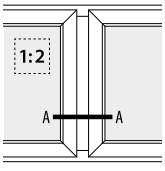






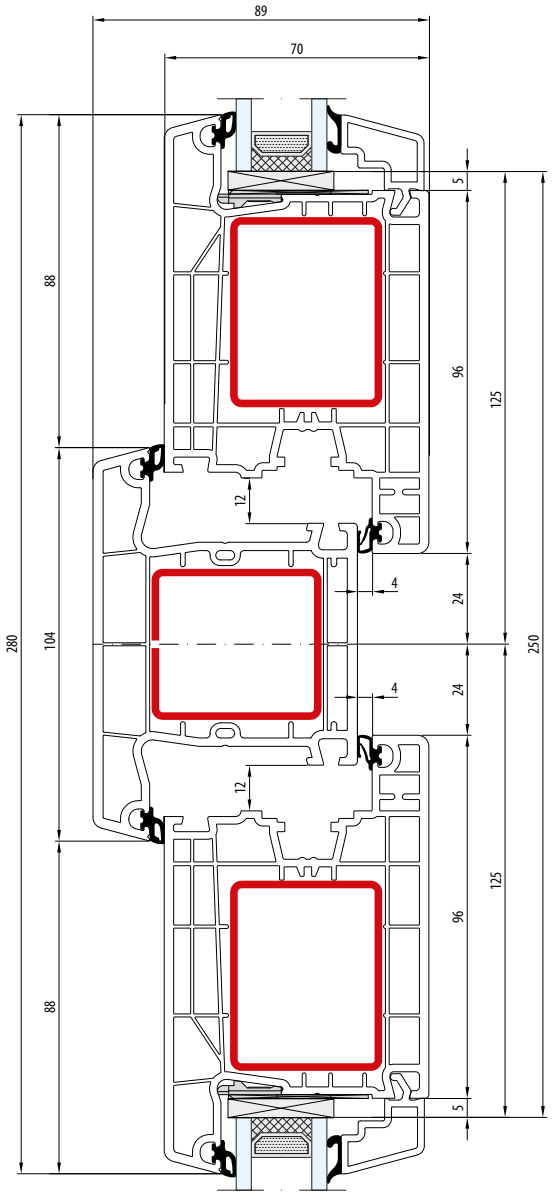



- Słupek stały: 104 mm · Skrzydło: 105 mm
- Meneau fixe: 104 mm · Vantail: 105 mm
- Fix post: 104 mm · Sash: 105 mm
- Festem Pfahl: 104 mm · Flügel: 105 mm
- Montante fisso: 104 mm · Anta: 105 mm
- Vaste stijl: 104 mm · Vleugel: 105 mm

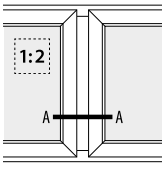


CL

SL
CL
RL

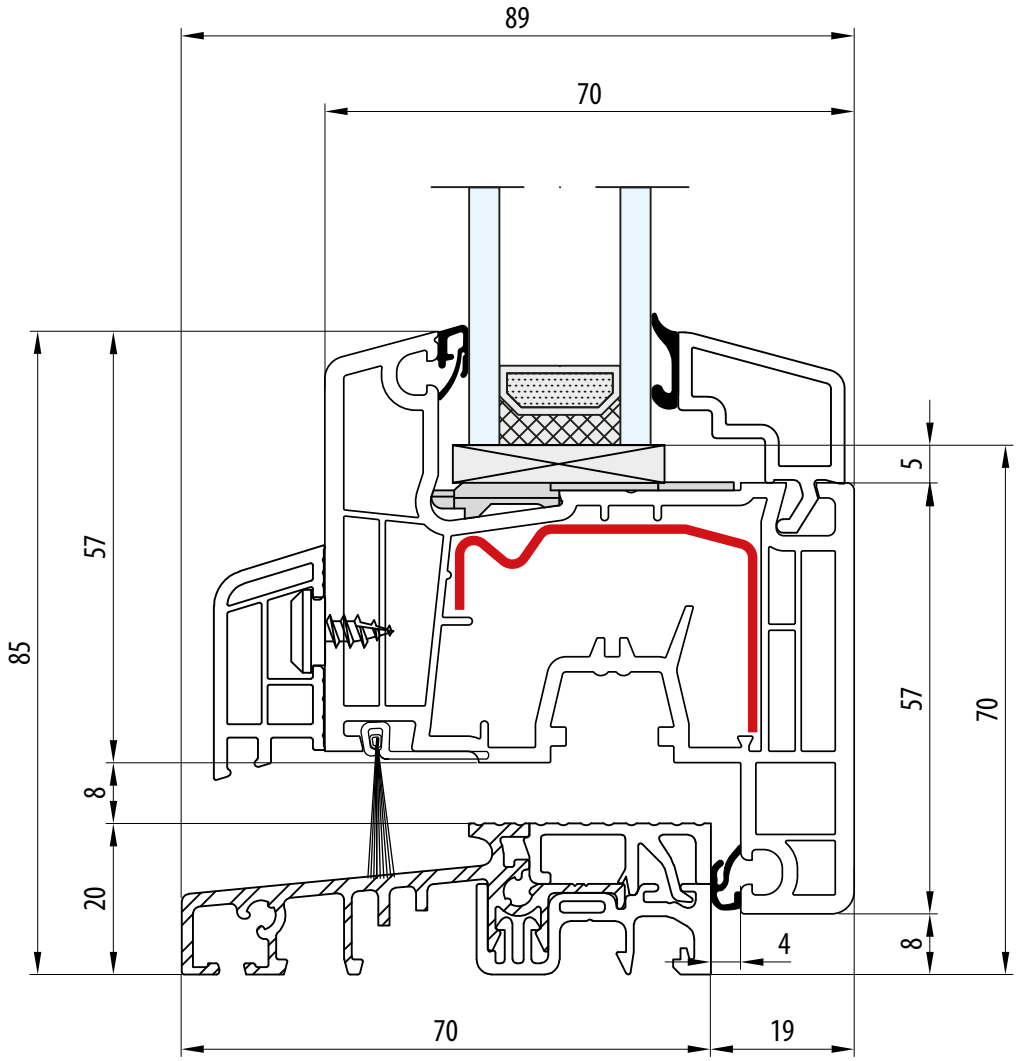



- Słupek stały: 104 mm · Skrzydło: 116 mm
- Meneau fixe: 104 mm · Vantail: 116 mm
- Fix post: 104 mm · Sash: 116 mm
- Festem Pfahl: 104 mm · Flügel: 116 mm
- Montante fisso: 104 mm · Anta: 116 mm
- Vaste stijl: 104 mm · Vleugel: 116 mm

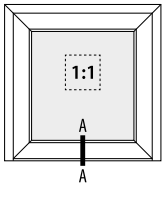


SL
CL

SL
CL
RL

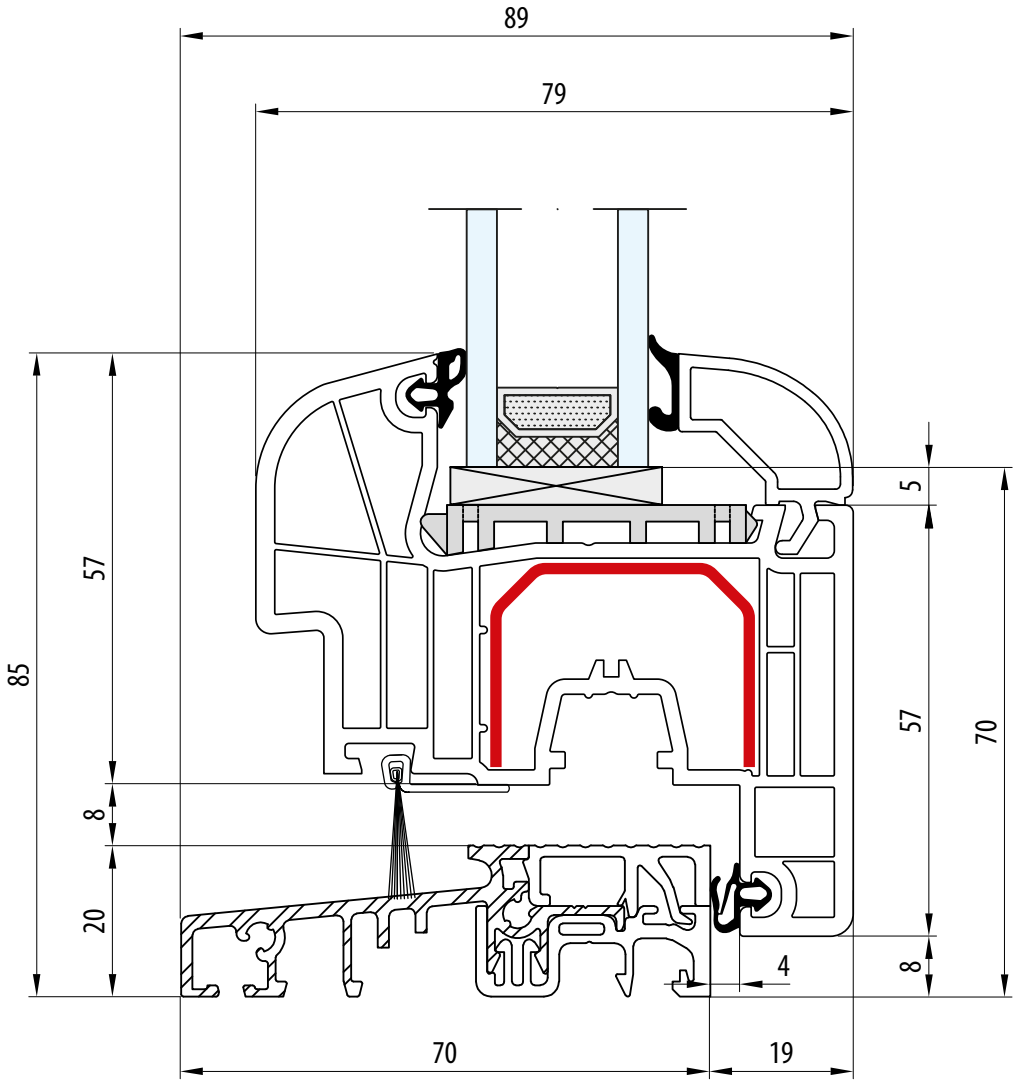



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm

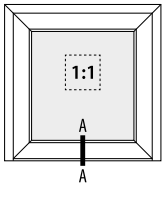


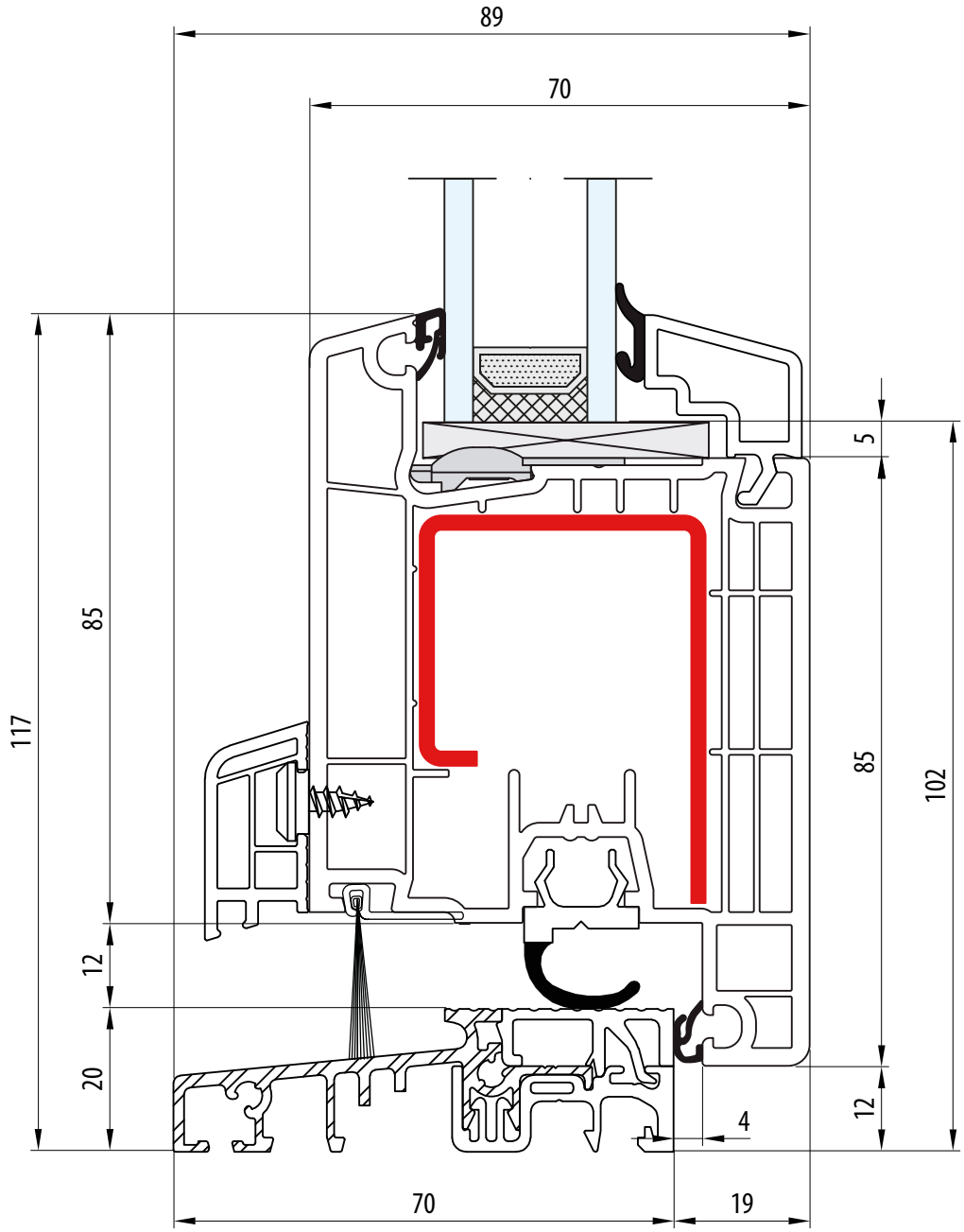
RL

SL
CL
RL

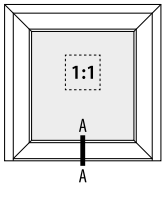



Próg: 20 mm · Skrzydło: 77 mm
Seuil: 20 mm · Vantail: 77 mm
Threshold: 20 mm · Sash: 77 mm
Schwelle: 20 mm · Flügel: 77 mm
Soglia: 20 mm · Anta: 77 mm
Dorpel: 20 mm · Vleugel: 77 mm



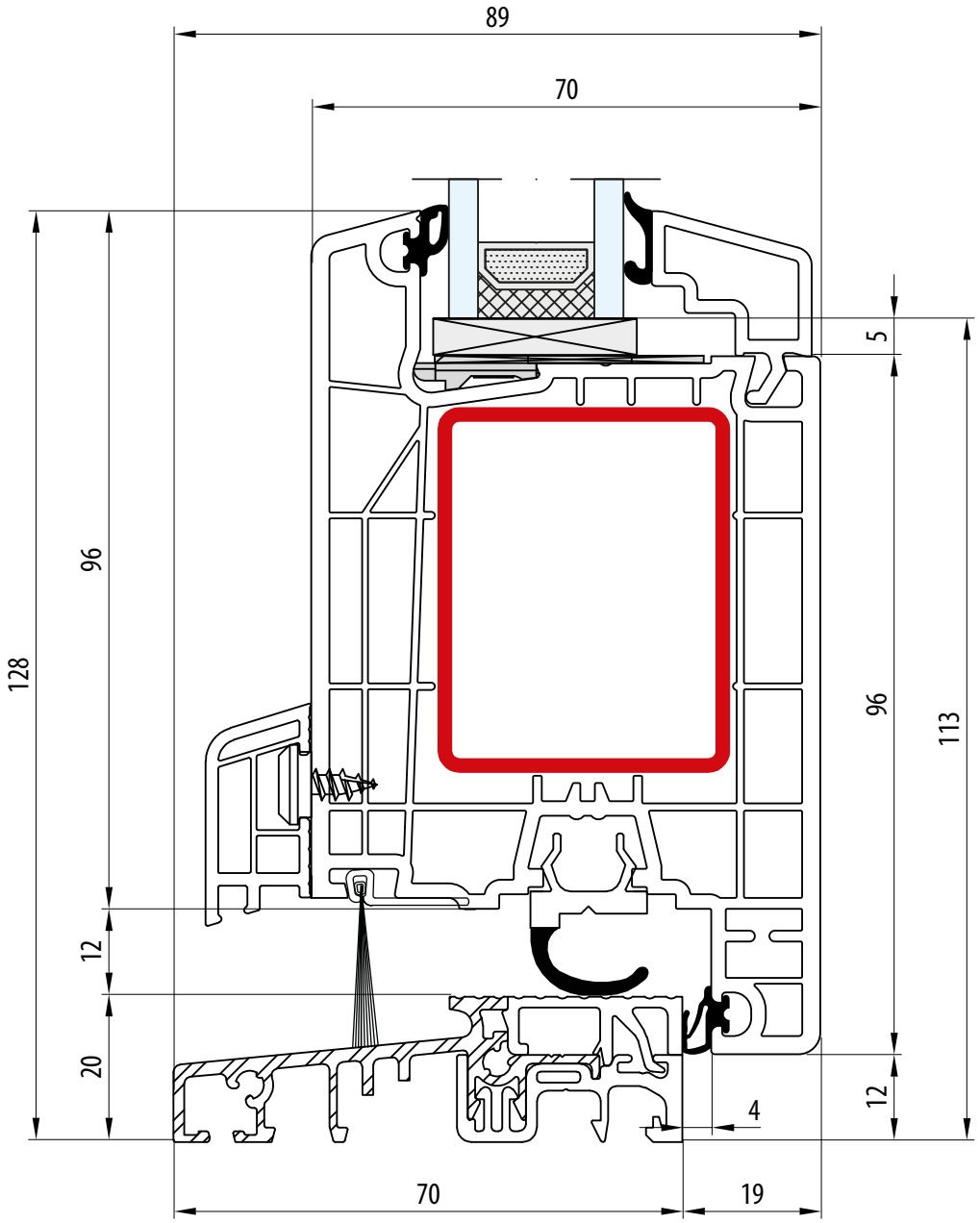



- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm

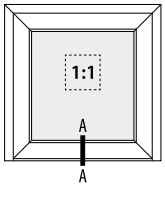


CL

SL
CL
RL

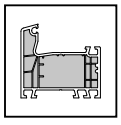



- Próg: 20 mm · Skrzydło: 116 mm
- Seuil: 20 mm · Vantail: 116 mm
- Threshold: 20 mm · Sash: 116 mm
- Schwelle: 20 mm · Flügel: 116 mm
- Soglia: 20 mm · Anta: 116 mm
- Dorpel: 20 mm · Vleugel: 116 mm

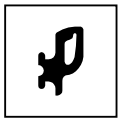


# NORDLINE

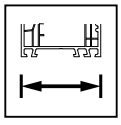




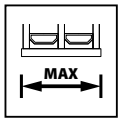
5



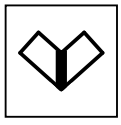
2



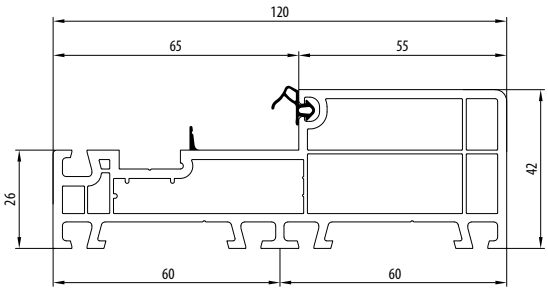
120



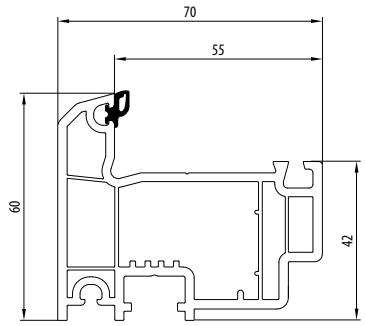

42



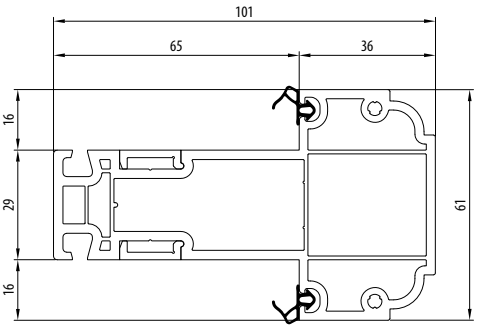




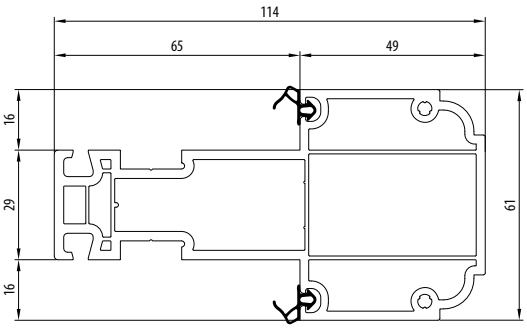

CL 140x90



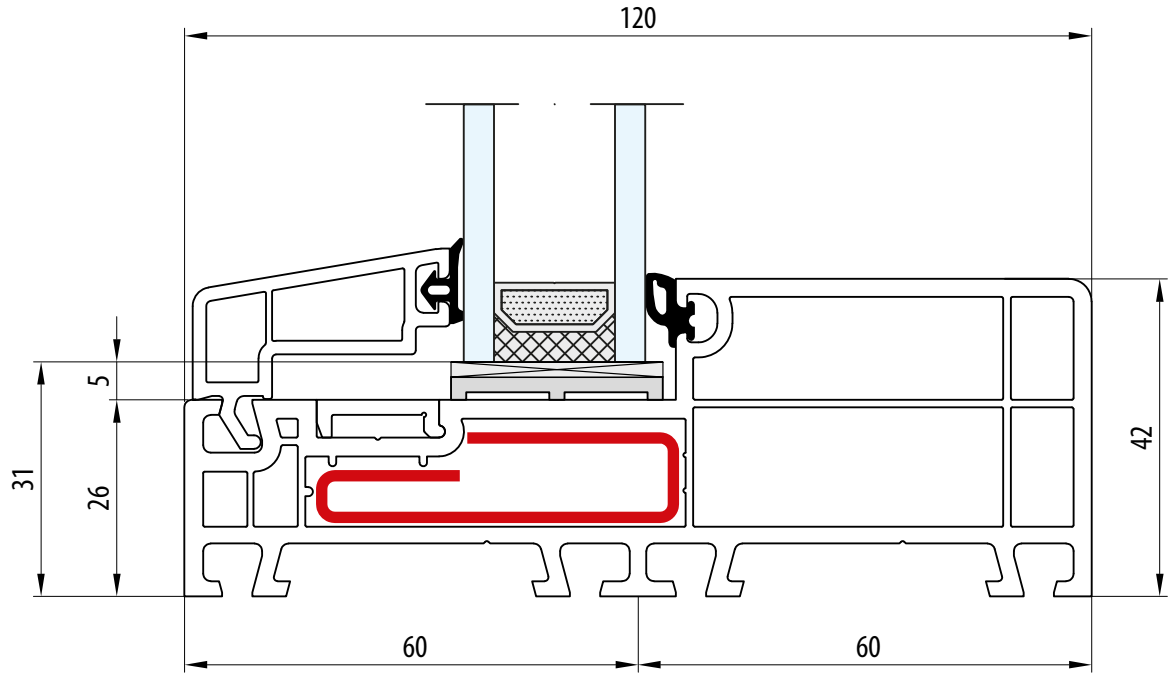

SL 140x93



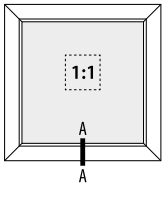

CL 140x98




CL 140x99

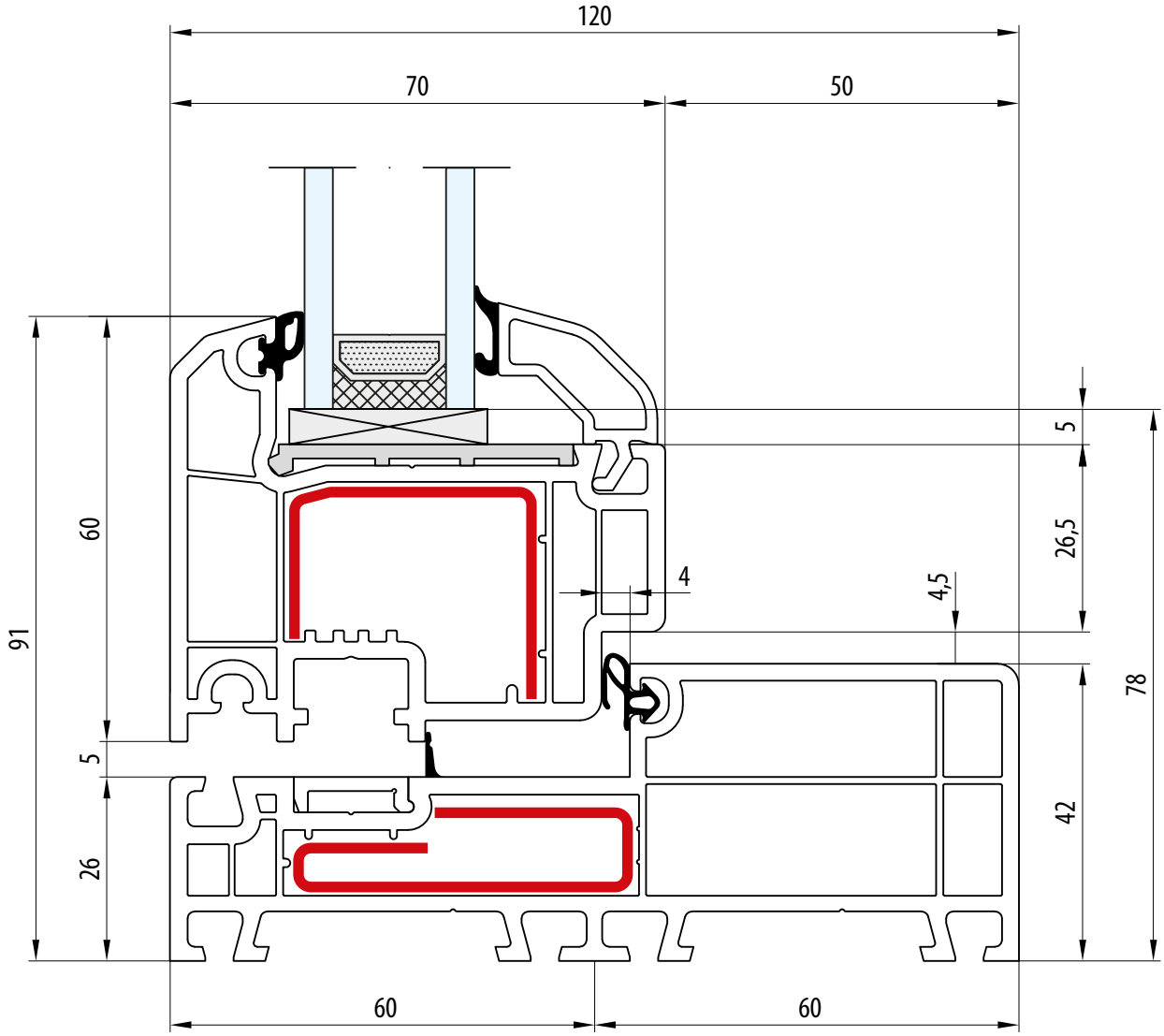



- Rama: 42 mm
- Dormant: 42 mm
- Frame: 42 mm
- Rahmen: 42 mm
- Telaio: 42 mm
- Kader: 42 mm

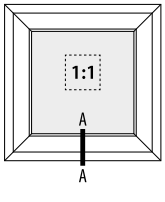


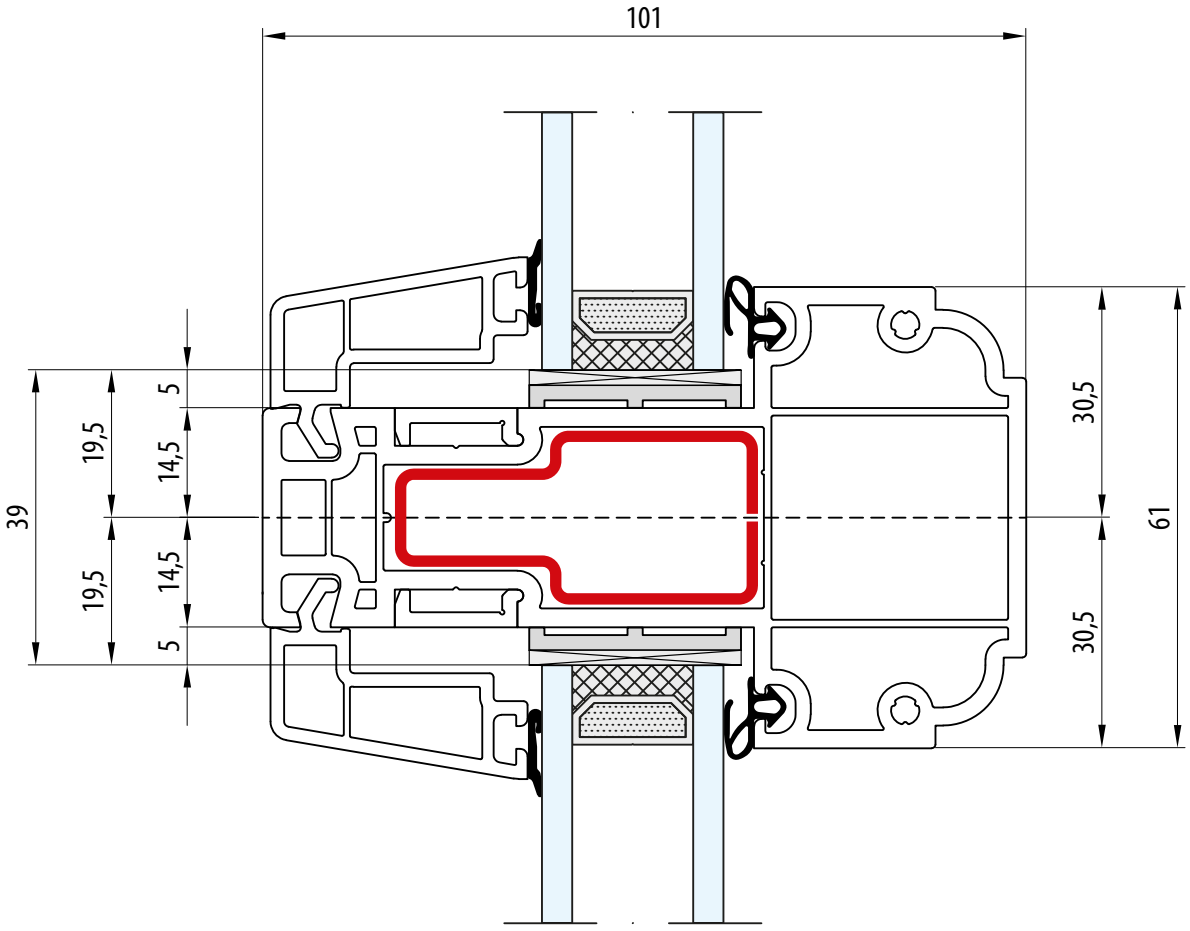
SL
CL

SL
CL
RL

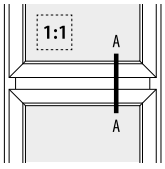



- Rama: 42 mm · Skrzydło: 60 mm
- Dormant: 42 mm · Vantail: 60 mm
- Frame: 42 mm · Sash: 60 mm
- Rahmen: 42 mm · Flügel: 60 mm
- Telaio: 42 mm · Anta: 60 mm
- Kader: 42 mm · Vleugel: 60 mm



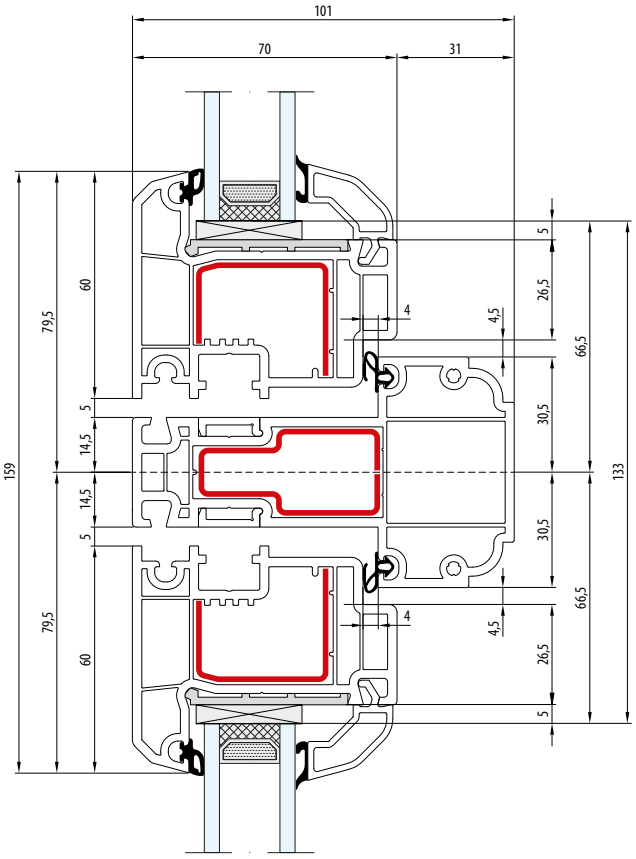



- Poprzeczka: 61 mm
- Traverse: 61 mm
- Muntin bar: 61 mm
- Kämpfer: 61 mm
- Traverso: 61 mm
- Tussenstijl: 61 mm

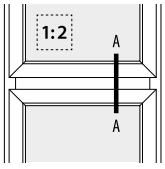


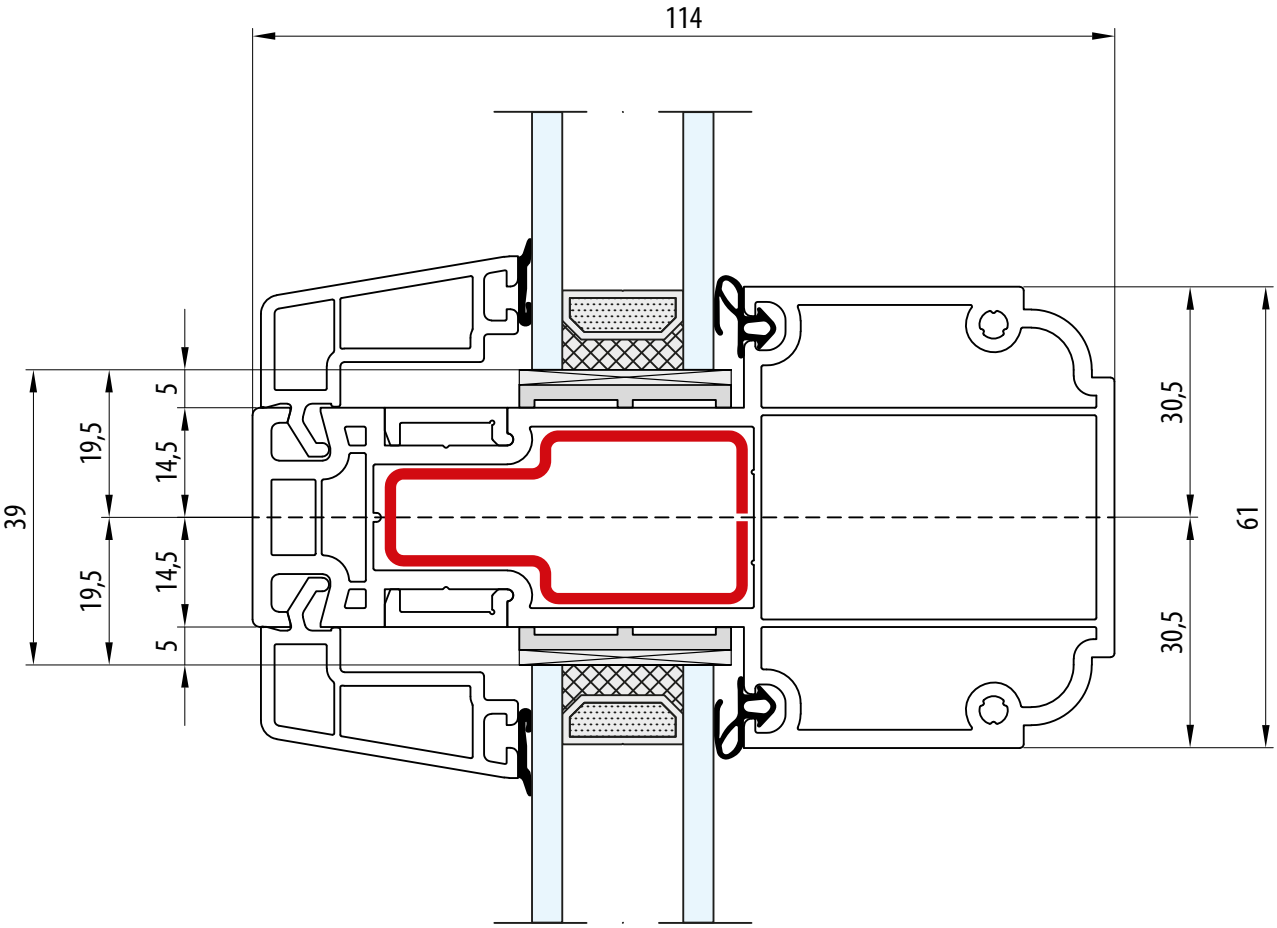
SL
CL

SL
CL
RL

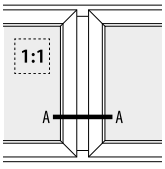



Poprzeczka: 61 mm · Skrzydło: 60 mm
Traverse: 61 mm · Vantail: 60 mm
Muntin bar: 61 mm · Sash: 60 mm
Kämpfer: 61 mm · Flügel: 60 mm
Traverso: 61 mm · Anta: 60 mm
Tussenstijl: 61 mm · Vleugel: 60 mm



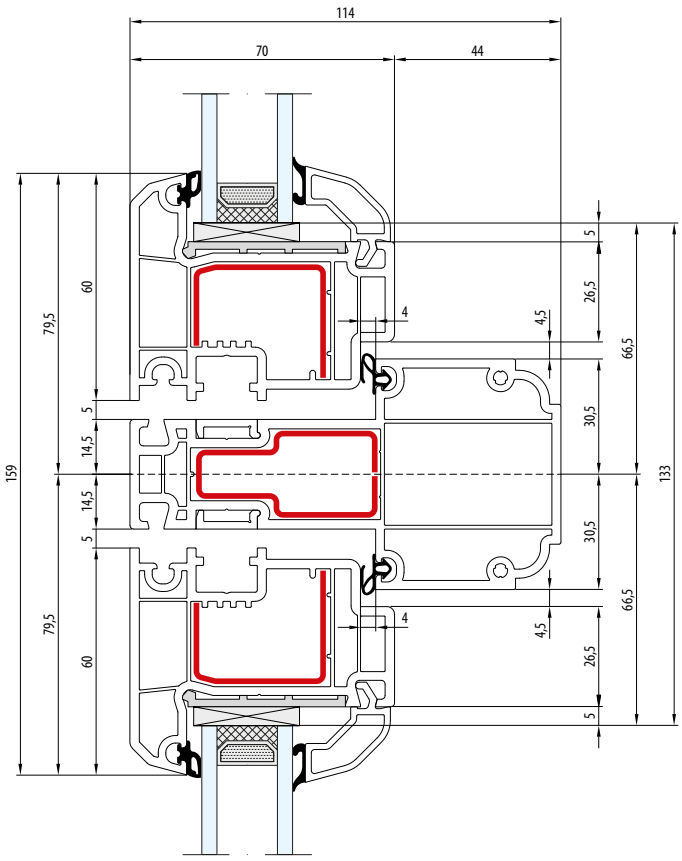



- Słupek stały: 61 mm
- Meneau fixe: 61 mm
- Fix post: 61 mm
- Festem Pfahl: 61 mm
- Montante fisso: 61 mm
- Vaste stijl: 61 mm

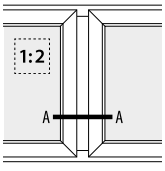


SL
CL

SL
CL
RL

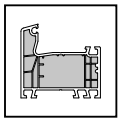


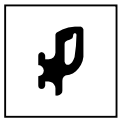

- Słupek stały: 61 mm · Skrzydło: 60 mm
- Meneau fixe: 61 mm · Vantail: 60 mm
- Fix post: 61 mm · Sash: 60 mm
- Festem Pfahl: 61 mm · Flügel: 60 mm
- Montante fisso: 61 mm · Anta: 60 mm
- Vaste stijl: 61 mm · Vleugel: 60 mm

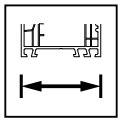


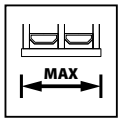
# IDEAL 70/4000 - CASEMENT



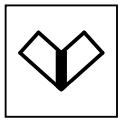

5


2

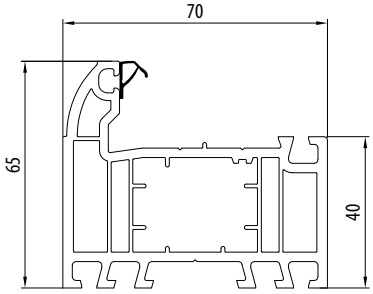

70



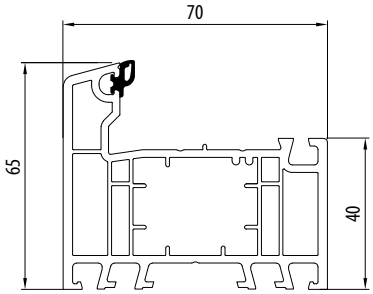
42


STD

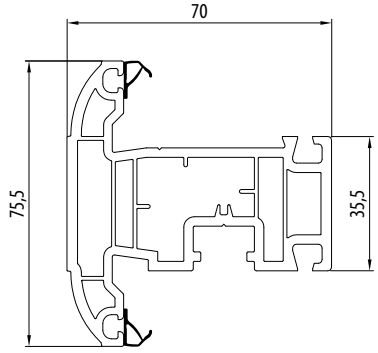




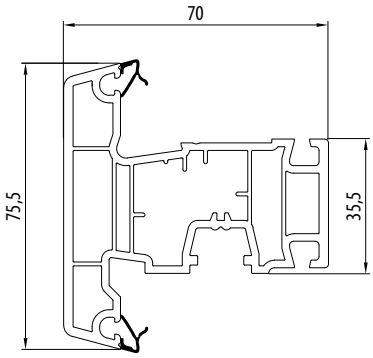

SL 100x03



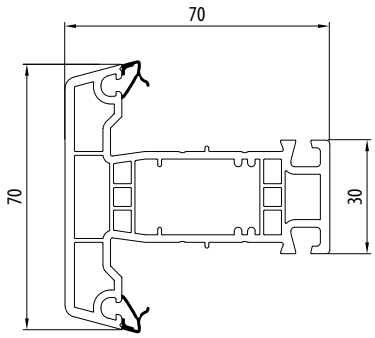

CL 100x53



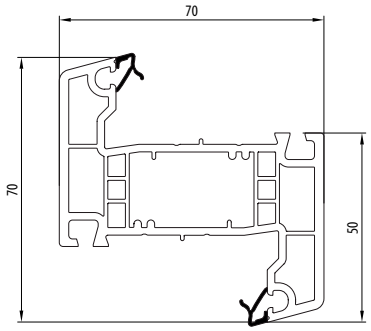

SL 100x05



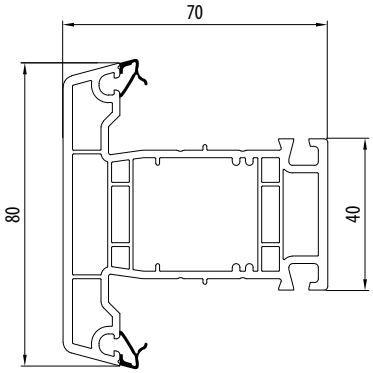

CL 100x55




CL 100x56




CL 100x57

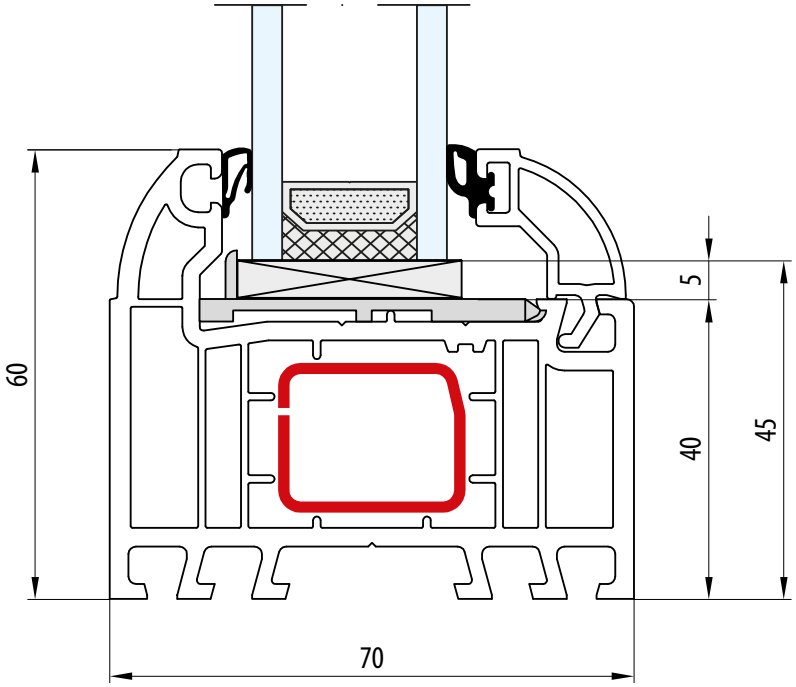



CL 100x58

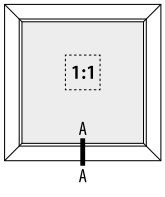
SL

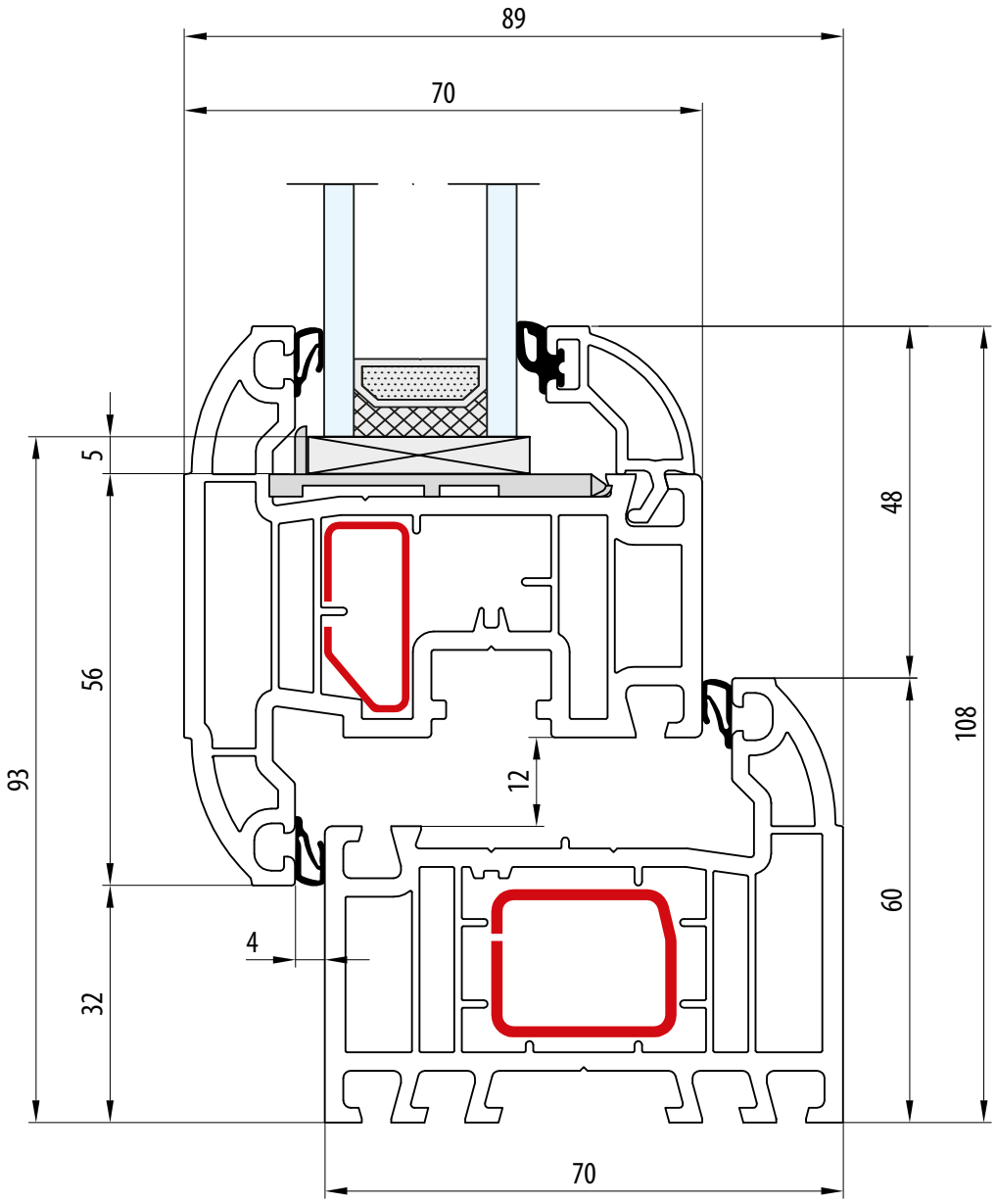
CL

RL

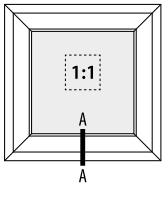


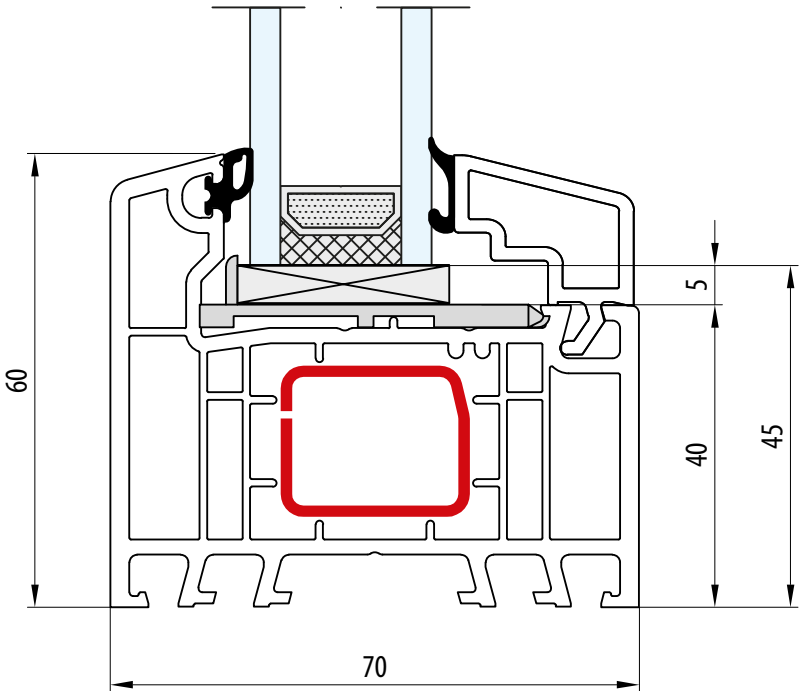

- Rama: 60 mm
- Dormant: 60 mm
- Frame: 60 mm
- Rahmen: 60 mm
- Telaio: 60 mm
- Kader: 60 mm



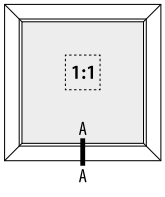


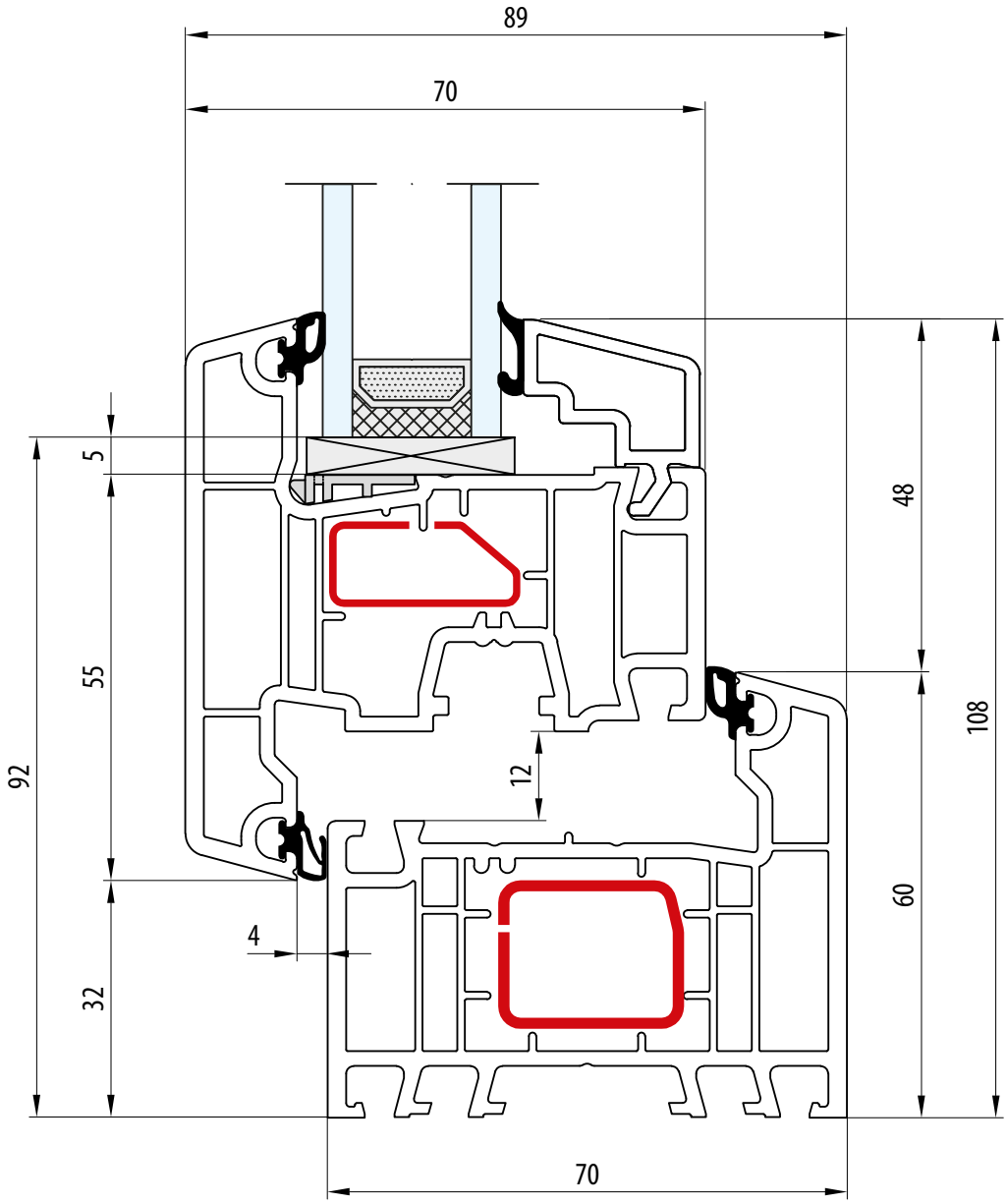

- Rama: 60 mm · Skrzydło: 76 mm
- Dormant: 60 mm · Vantail: 76 mm
- Frame: 60 mm · Sash: 76 mm
- Rahmen: 60 mm · Flügel: 76 mm
- Telaio: 60 mm · Anta: 76 mm
- Kader: 60 mm · Vleugel: 76 mm



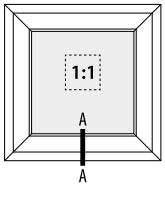


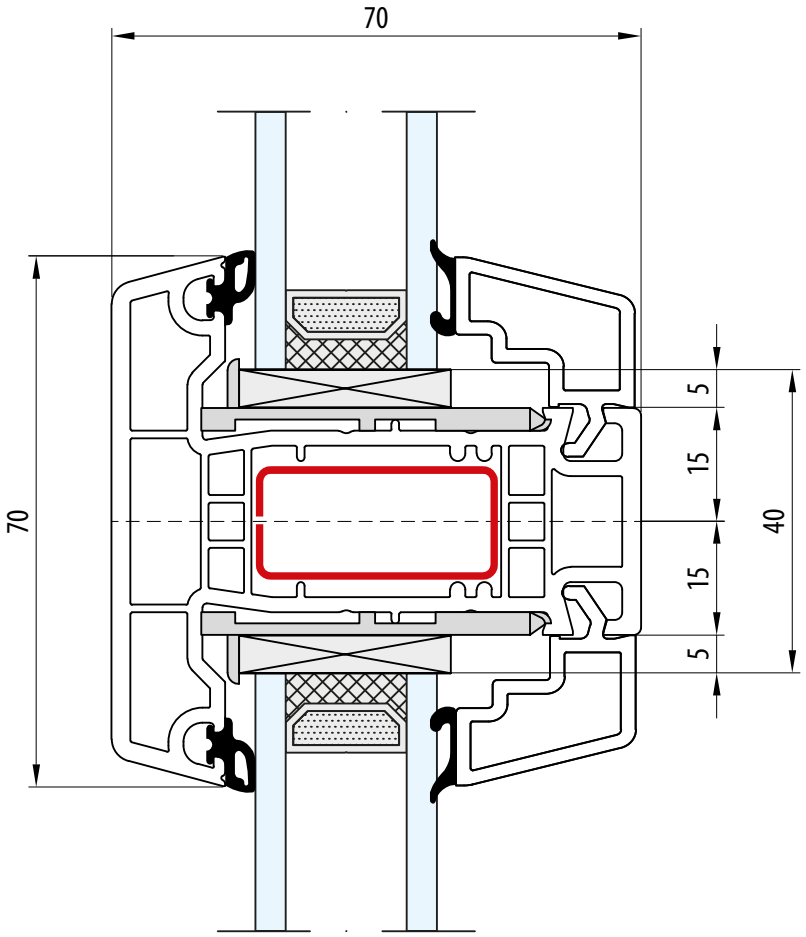

- Rama: 60 mm
- Dormant: 60 mm
- Frame: 60 mm
- Rahmen: 60 mm
- Telaio: 60 mm
- Kader: 60 mm



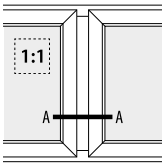


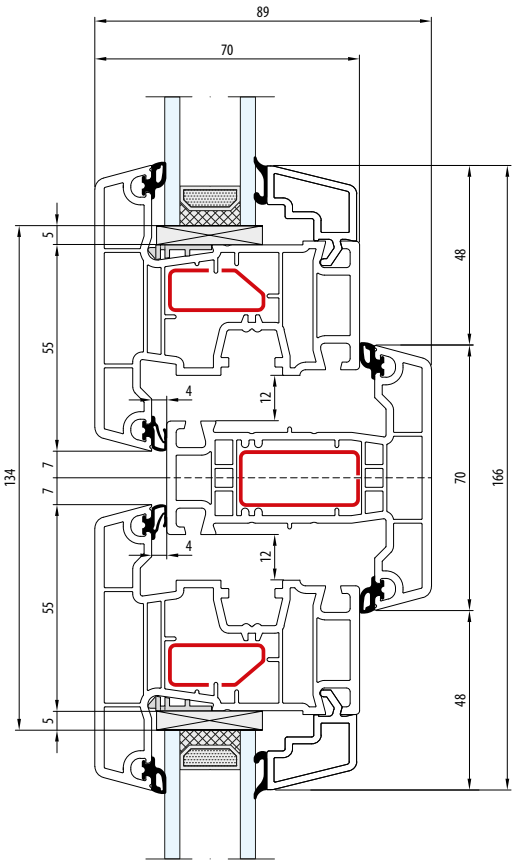

Rama: 60 mm · Skrzydło: 75 mm
Dormant: 60 mm · Vantail: 75 mm
Frame: 60 mm · Sash: 75 mm
Rahmen: 60 mm · Flügel: 75 mm
Telaio: 60 mm · Anta: 75 mm
Kader: 60 mm · Vleugel: 75 mm



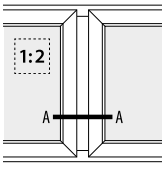


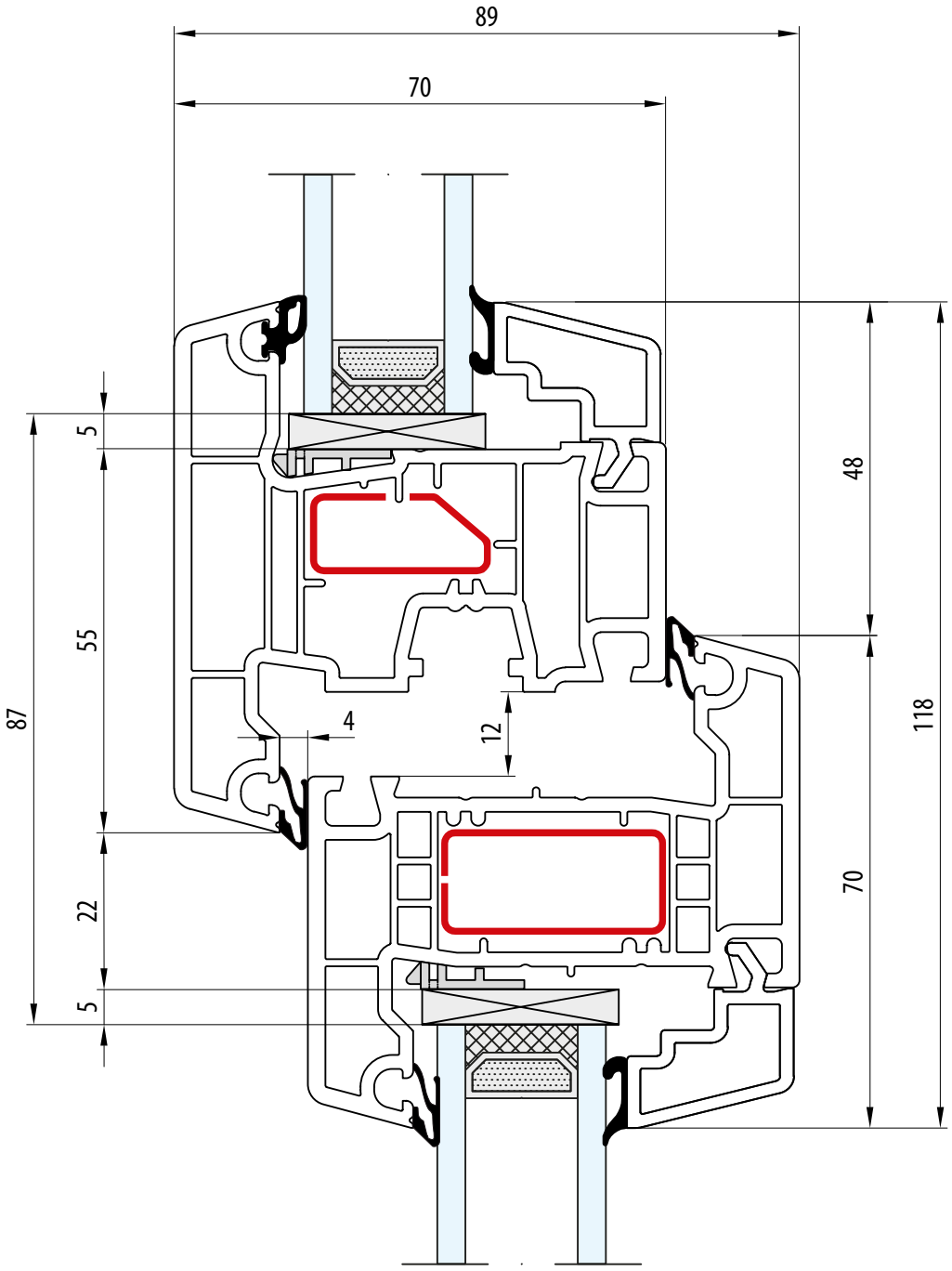

- Słupek stały: 70 mm
- Meneau fixe: 70 mm
- Fix post: 70 mm
- Festem Pfahl: 70 mm
- Montante fisso: 70 mm
- Vaste stijl: 70 mm



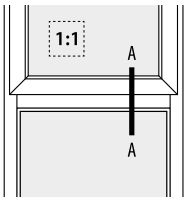


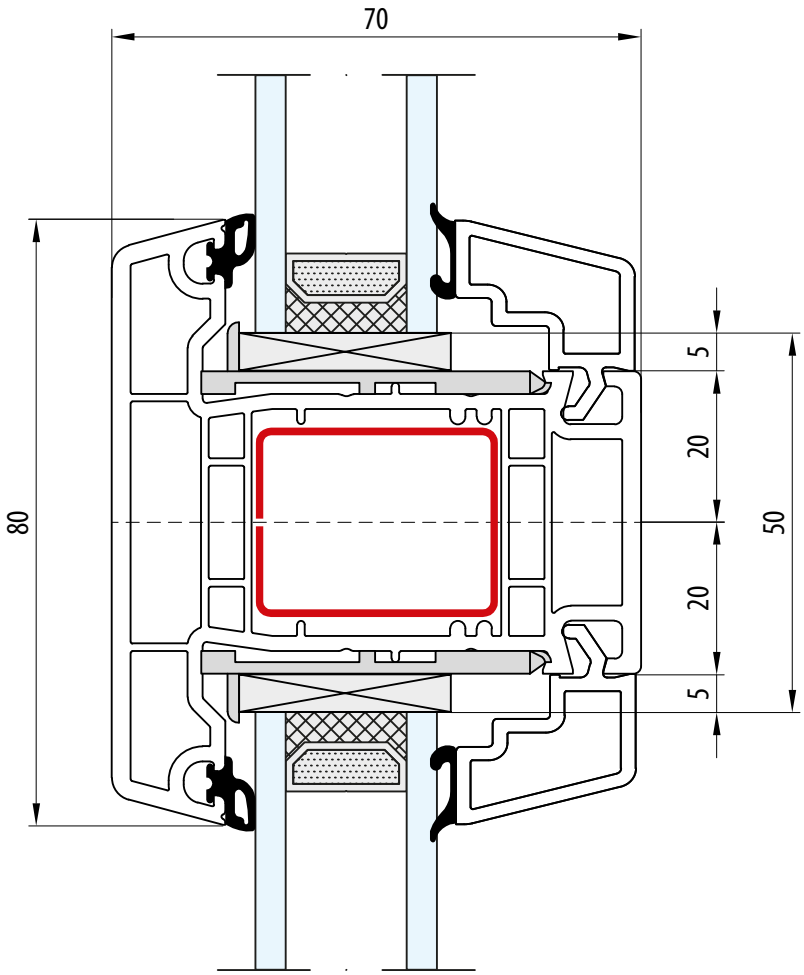

- Słupek stały: 70 mm · Skrzydło: 75 mm
- Meneau fixe: 70 mm · Vantail: 75 mm
- Fix post: 70 mm · Sash: 75 mm
- Festem Pfahl: 70 mm · Flügel: 75 mm
- Montante fisso: 70 mm · Anta: 75 mm
- Vaste stijl: 70 mm · Vleugel: 75 mm



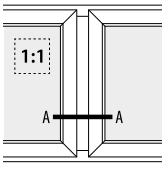


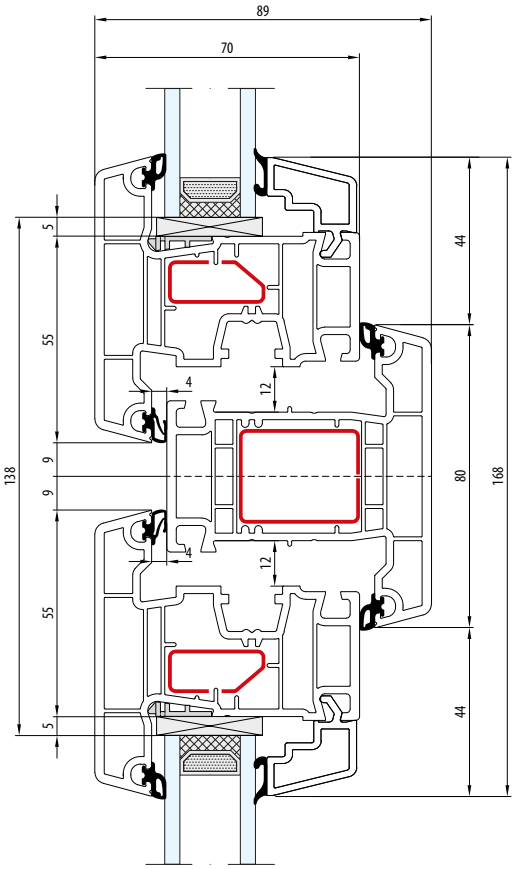

- Słupek stały: 70 mm · Skrzydło: 75 mm
- Meneau fixe: 70 mm · Vantail: 75 mm
- Fix post: 70 mm · Sash: 75 mm
- Festem Pfahl: 70 mm · Flügel: 75 mm
- Montante fisso: 70 mm · Anta: 75 mm
- Vaste stijl: 70 mm · Vleugel: 75 mm



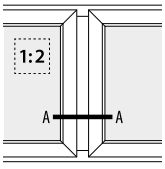



- Słupek stały: 80 mm
- Meneau fixe: 80 mm
- Fix post: 80 mm
- Festem Pfahl: 80 mm
- Montante fisso: 80 mm
- Vaste stijl: 80 mm

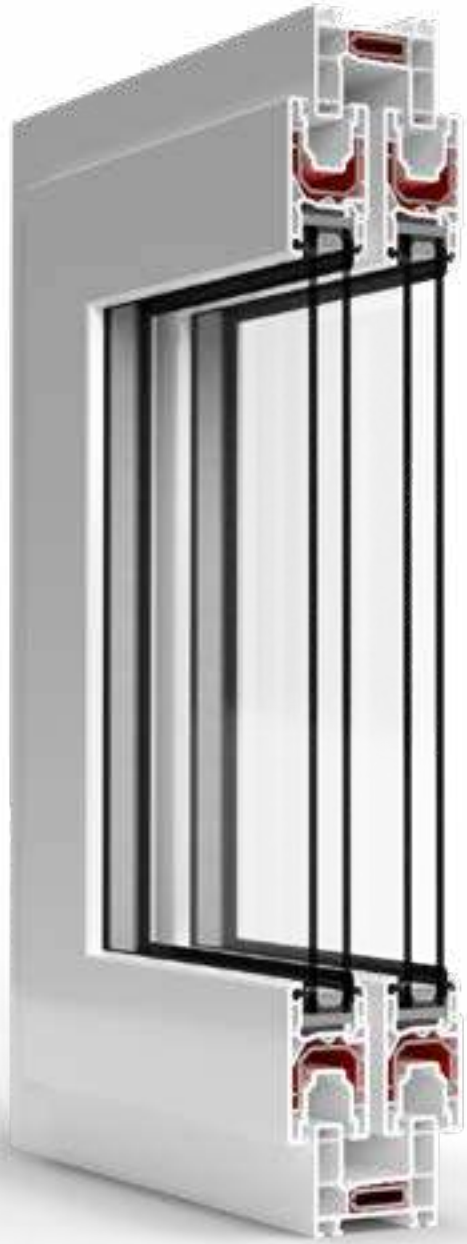


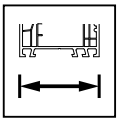



- Słupek stały: 80 mm · Skrzydło: 75 mm
- Meneau fixe: 80 mm · Vantail: 75 mm
- Fix post: 80 mm · Sash: 75 mm
- Festem Pfahl: 80 mm · Flügel: 75 mm
- Montante fisso: 80 mm · Anta: 75 mm
- Vaste stijl: 80 mm · Vleugel: 75 mm

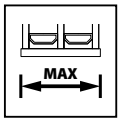


# EASY SLIDE

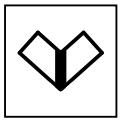




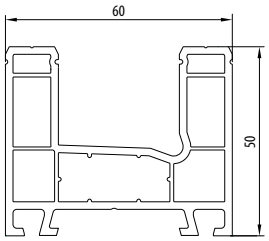
60



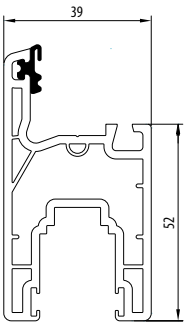

20



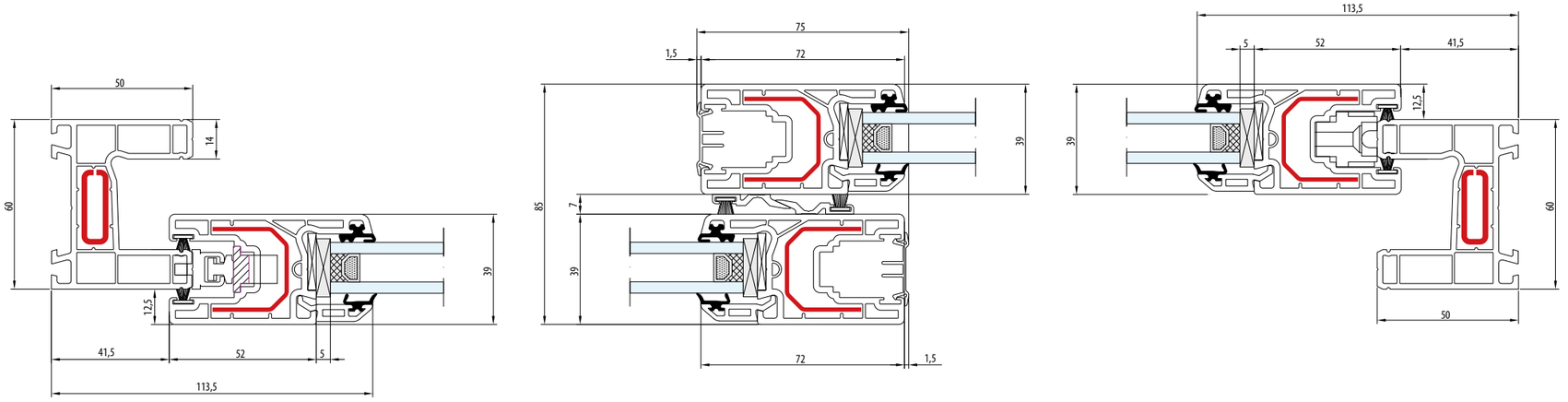




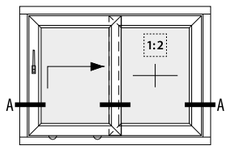

CL 100069




CL 100072

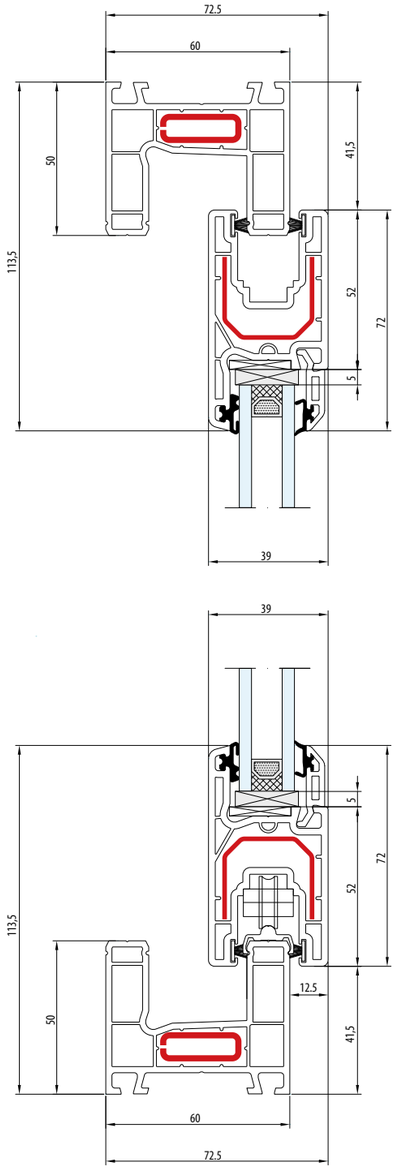



- Schemat A - Przekrój poziomy · Rama: 50 mm · Skrzydło: 72 mm
- Schéma A - Coupe horizontale · Dormant: 50 mm · Vantail: 72 mm
- Schema A - Doorsnede horizontaal · Frame: 50 mm · Sash: 72 mm
- Schema A - Wagerechter Schnitt · Rahmen: 50 mm · Flügel: 72 mm
- Schema A - Sezione orizzontale · Telaio: 50 mm · Anta: 72 mm
- Schema A - Horizontale doorsnede · Kader: 50 mm · Vleugel: 72 mm

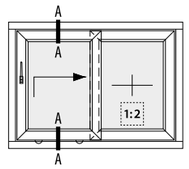


CL

SL
CL
RL



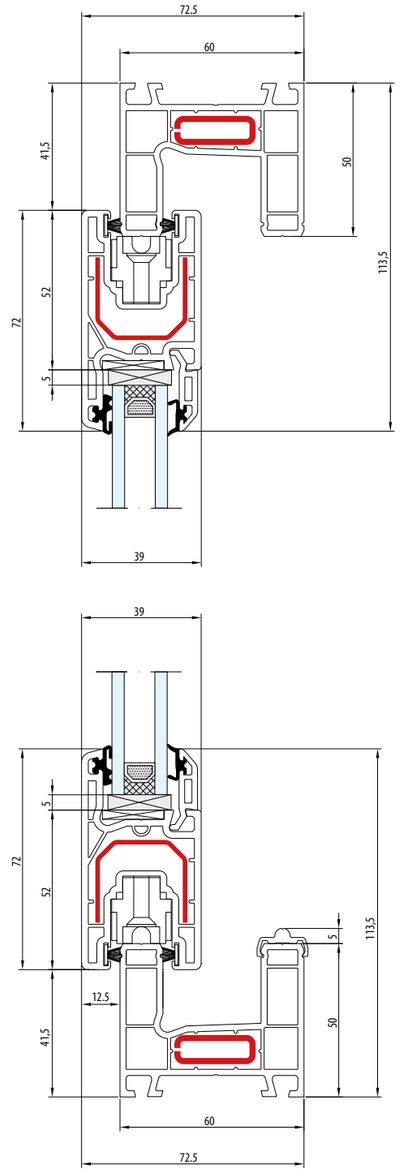

- Schemat A - Przekrój pionowy · Rama: 50 mm · Skrzydło: 72 mm
- Schéma A - Coupe verticale · Dormant: 50 mm · Vantail: 72 mm
- Schema A - Doorsnede verticaal · Frame: 50 mm · Sash: 72 mm
- Schema A - Senkrechter Schnitt · Rahmen: 50 mm · Flügel: 72 mm
- Schema A - Sezione verticale · Telaio: 50 mm · Anta: 72 mm
- Schema A - Verticale doorsnede · Kader: 50 mm · Vleugel: 72 mm



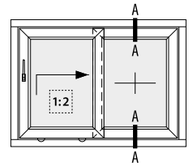

EASY SLIDE
MULTI SLIDE
SMART SLIDE
HST 70
HST 85

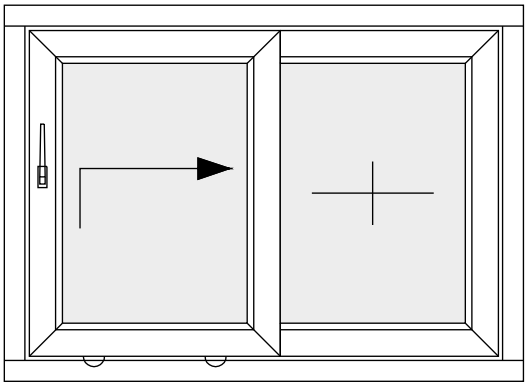
CL

SL
CL
RL

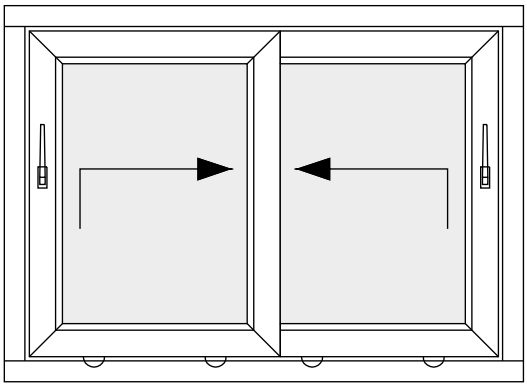



- Schemat A - Przekrój pionowy · Rama: 50 mm · Skrzydło: 72 mm
- Schéma A - Coupe verticale · Dormant: 50 mm · Vantail: 72 mm
- Schema A - Doorsnede verticaal · Frame: 50 mm · Sash: 72 mm
- Schema A - Senkrechter Schnitt · Rahmen: 50 mm · Flügel: 72 mm
- Schema A - Verticale doorsnede · Telaio: 50 mm · Anta: 72 mm
- Schema A - Verticale doorsnede · Kader: 50 mm · Vleugel: 72 mm





A



D

Schemat
Schéma
Schema
Schema
Schema
Schema

# MULTI SLIDE

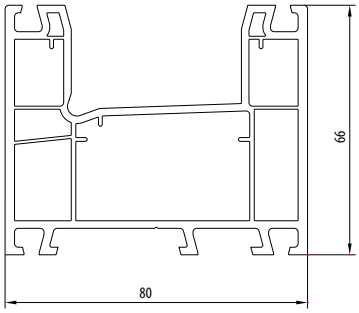


MAX 170

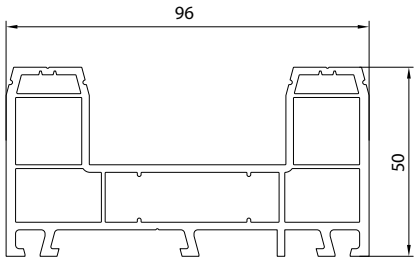
MAX 33

SUPER SOLUTION

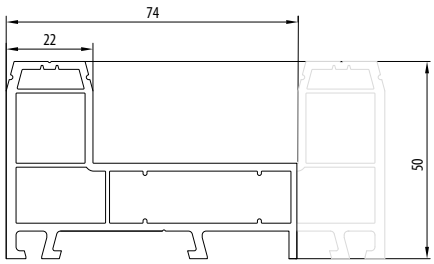




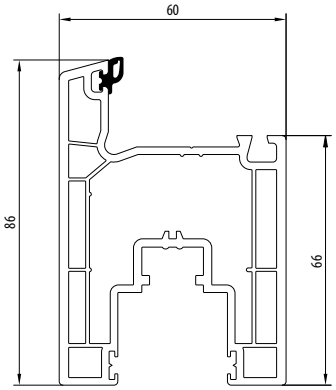

CL 100090



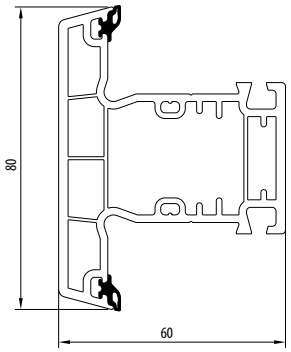

CL 100097



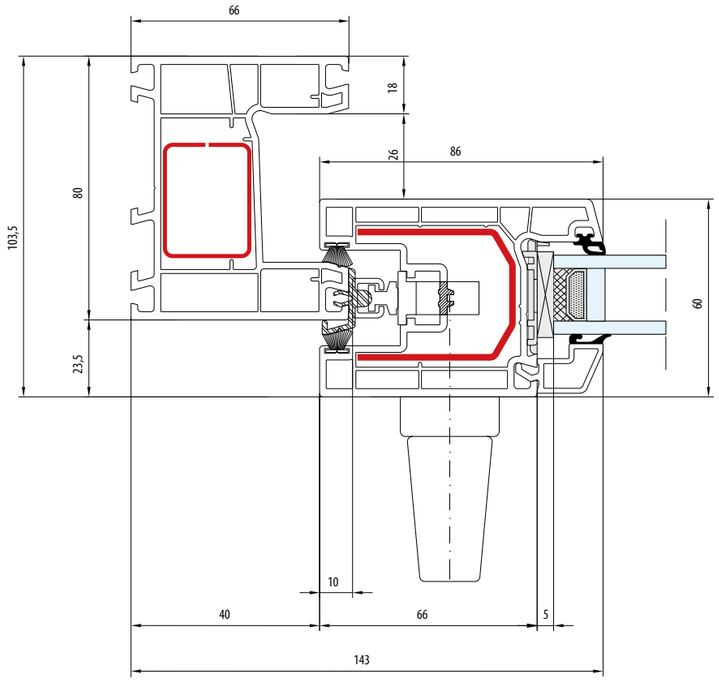

CL 100098

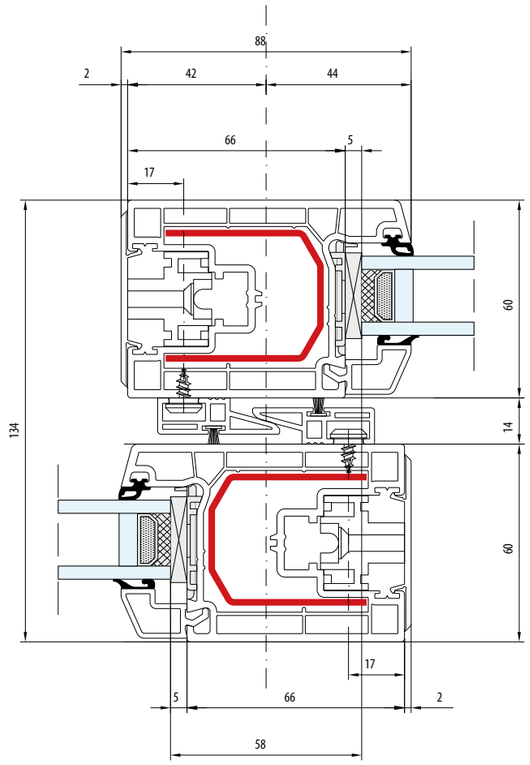


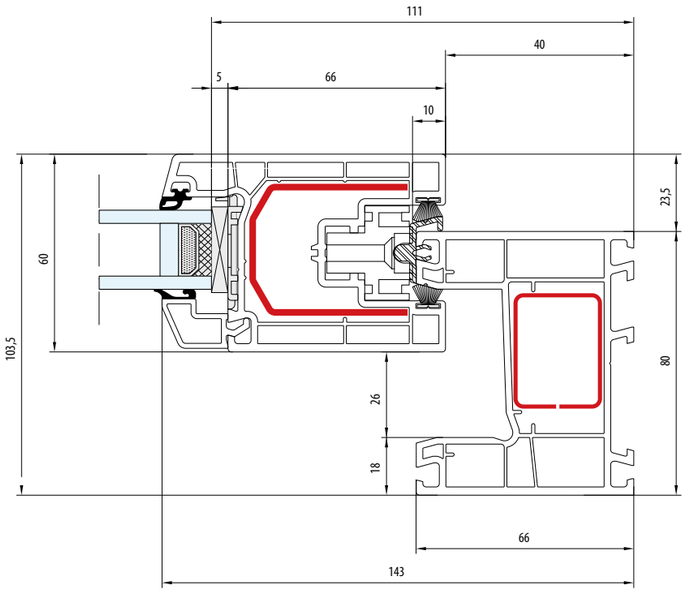

CL 100092



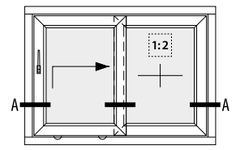

CL 120041



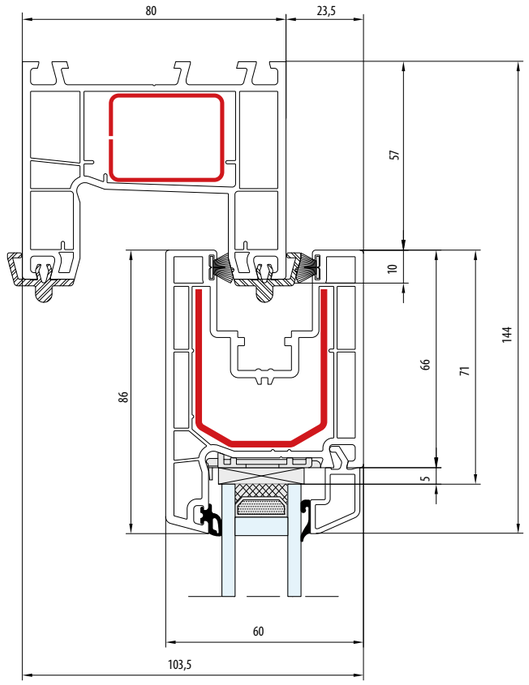



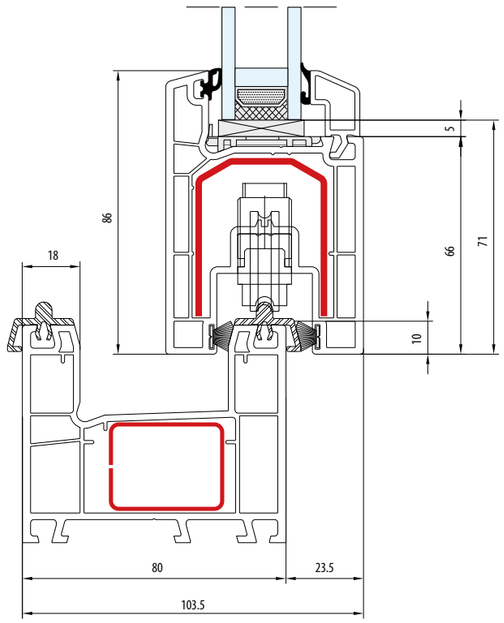

- Schemat A - Przekrój poziomy · Rama: 66 mm · Skrzydło: 86 mm
- Schéma A - Coupe horizontale · Dormant: 66 mm · Vantail: 86 mm
- Schema A - Doorsnede horizontaal · Frame: 66 mm · Sash: 86 mm
- Schema A - Wagerechter Schnitt · Rahmen: 66 mm · Flügel: 86 mm
- Schema A - Sezione orizzontale · Telaio: 66 mm · Anta: 86 mm
- Schema A - Horizontale doorsnede · Kader: 66 mm · Vleugel: 86 mm



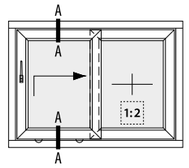


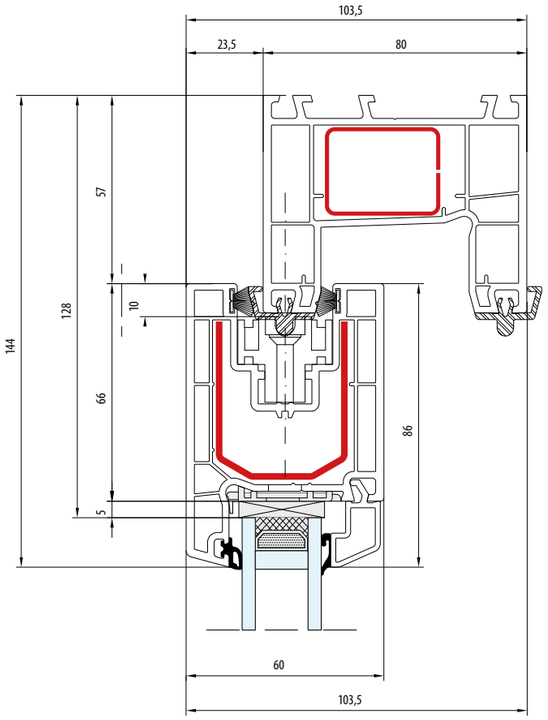


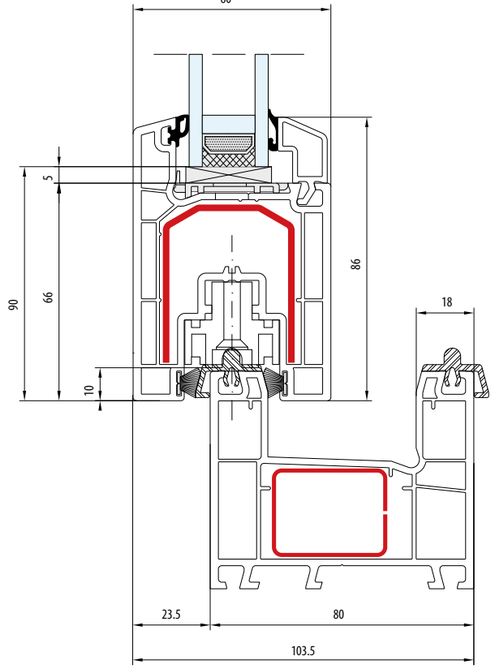




- Schemat A - Przekrój pionowy · Rama: 66 mm · Skrzydło: 86 mm
- Schéma A - Coupe verticale · Dormant: 66 mm · Vantail: 86 mm
- Schema A - Doorsnede verticaal · Frame: 66 mm · Sash: 86 mm
- Schema A - Senkrechter Schnitt · Rahmen: 66 mm · Flügel: 86 mm
- Schema A - Sezione verticale · Telaio: 66 mm · Anta: 86 mm
- Schema A - Verticale doorsnede · Kader: 66 mm · Vleugel: 86 mm

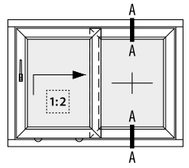


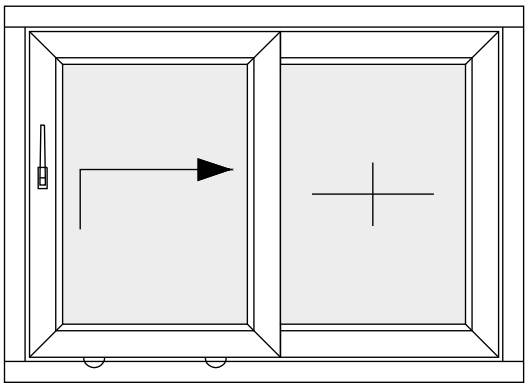


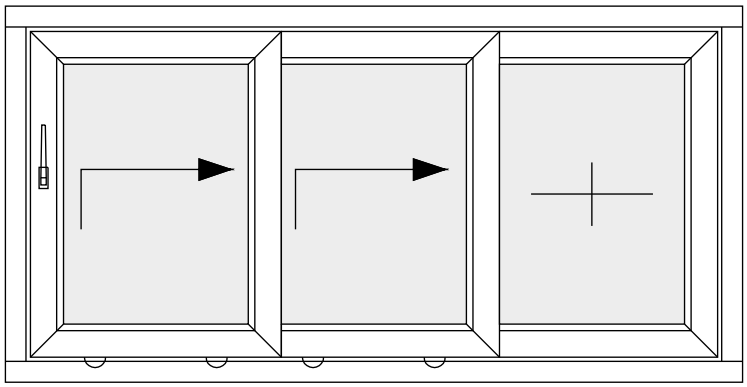




- Schemat A - Przekrój pionowy · Rama: 66 mm · Skrzydło: 86 mm
- Schéma A - Coupe verticale · Dormant: 66 mm · Vantail: 86 mm
- Schema A - Doorsnede verticaal · Frame: 66 mm · Sash: 86 mm
- Schema A - Senkrechter Schnitt · Rahmen: 66 mm · Flügel: 86 mm
- Schema A - Sezione verticale · Telaio: 66 mm · Anta: 86 mm
- Schema A - Verticale doorsnede · Kader: 66 mm · Vleugel: 86 mm

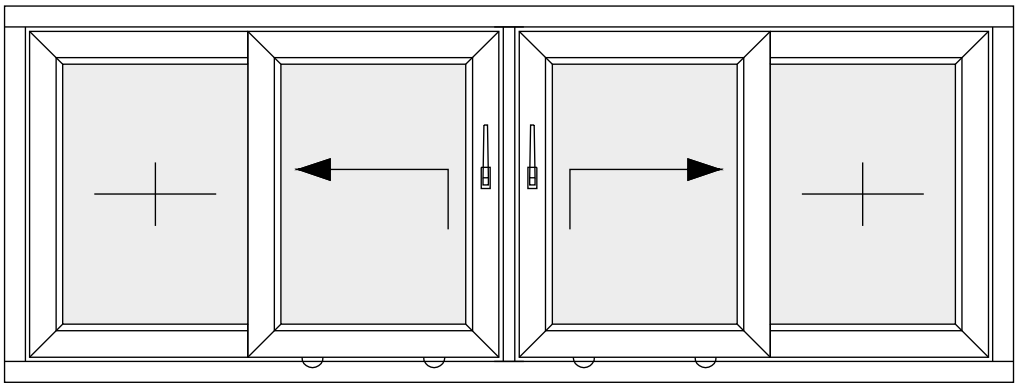




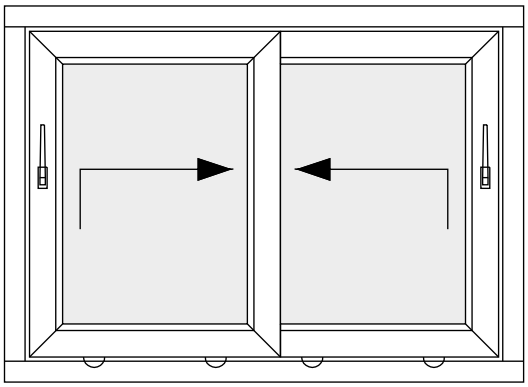
A



An



C



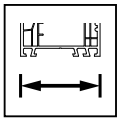
D



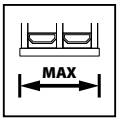
Schemat
Schéma
Schema
Schema
Schema
Schema

# SMART SLIDE

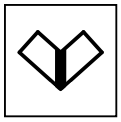




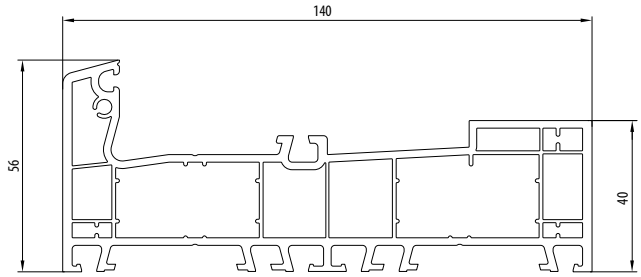
140



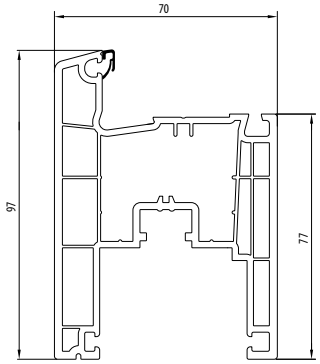

42



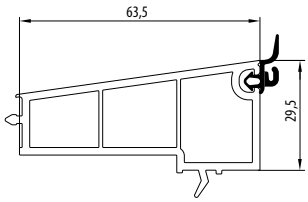




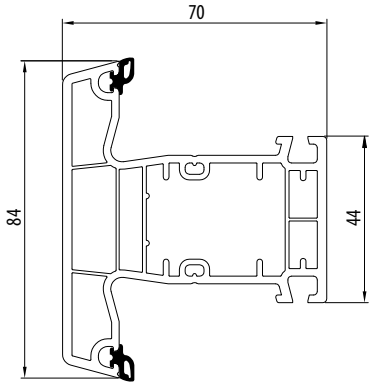

100091



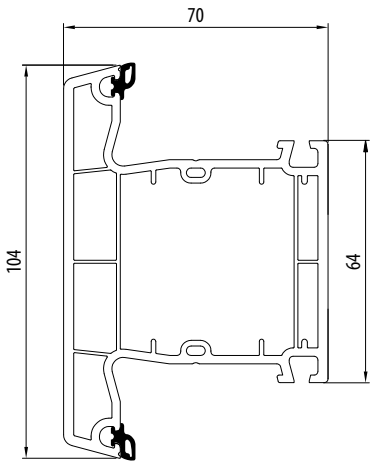

100094



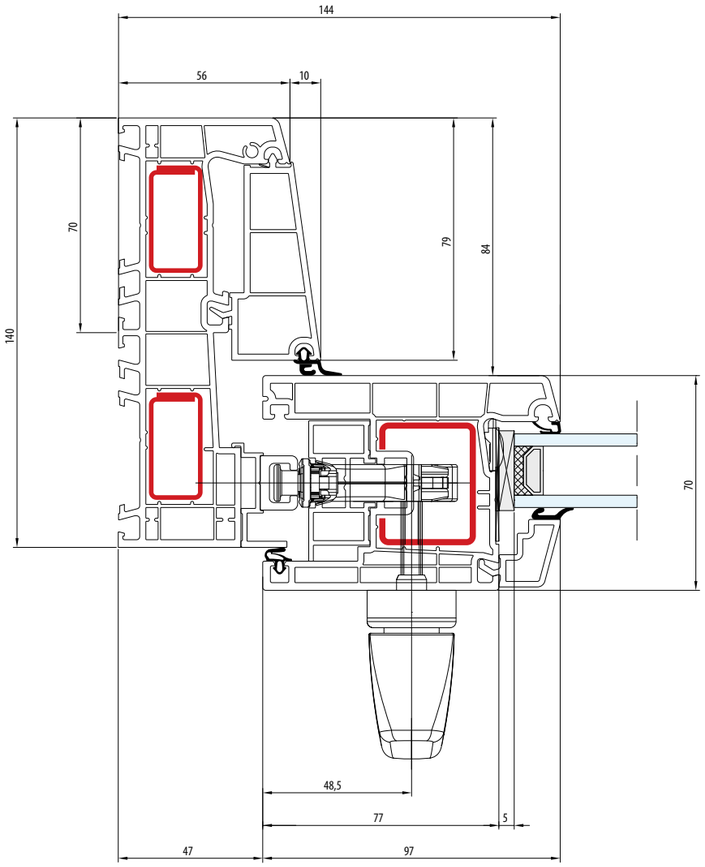

100291

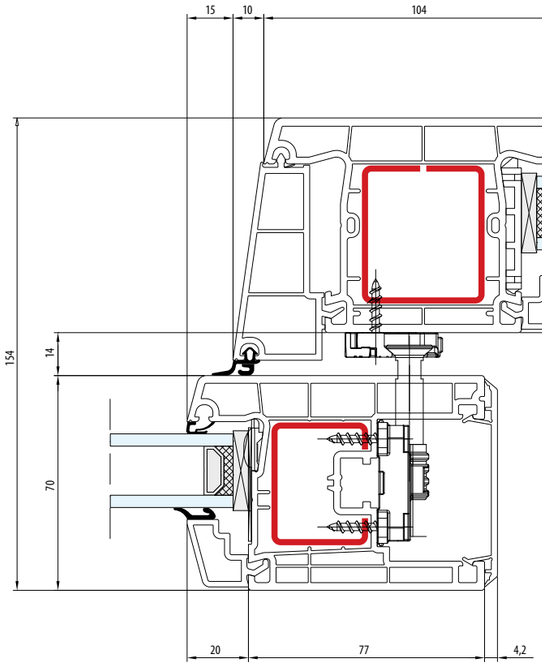


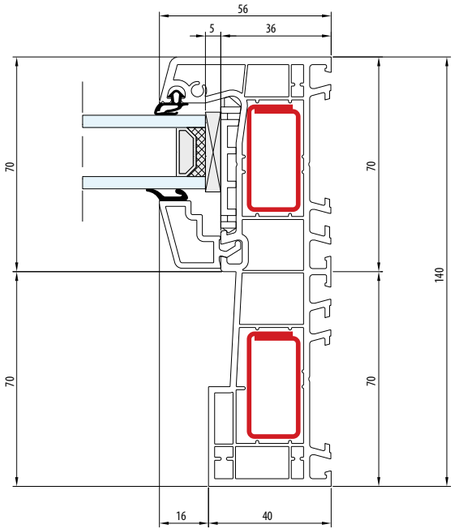

140x41



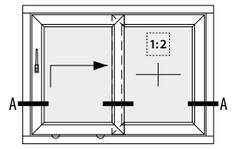

140x45



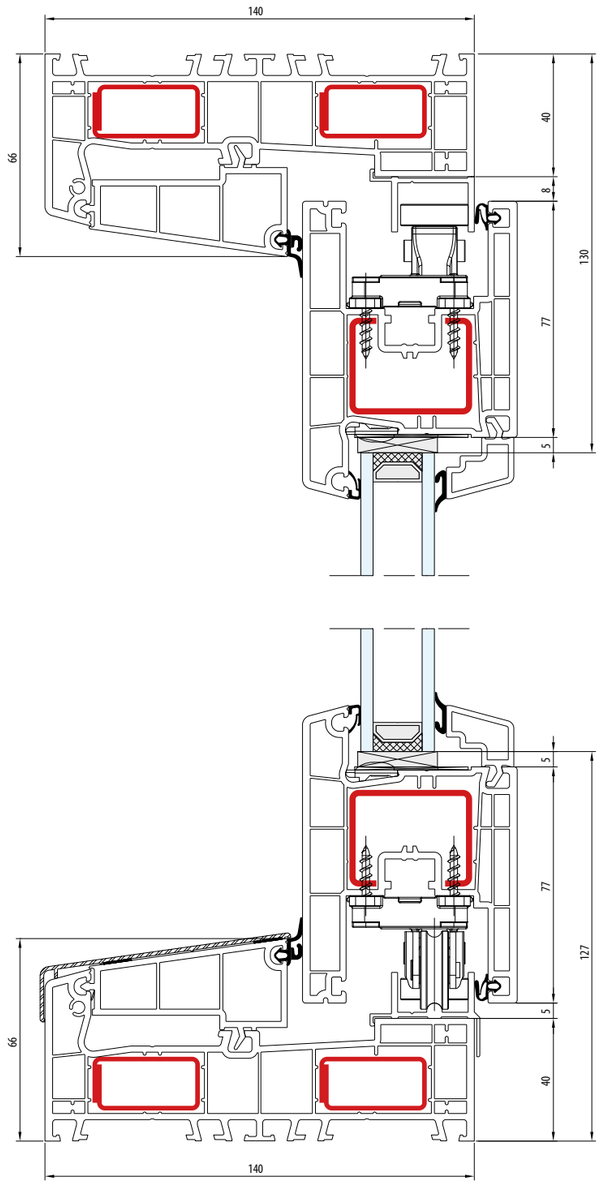




- Schemat A - Przekrój poziomy · Rama: 56 mm · Skrzydło: 97 mm
- Schéma A - Coupe horizontale · Dormant: 56 mm · Vantail: 97 mm
- Schema A - Doorsnede horizontaal · Frame: 56 mm · Sash: 97 mm
- Schema A - Wagerechter Schnitt · Rahmen: 56 mm · Flügel: 97 mm
- Schema A - Sezione orizzontale · Telaio: 56 mm · Anta: 97 mm
- Schema A - Horizontale doorsnede · Kader: 56 mm · Vleugel: 97 mm

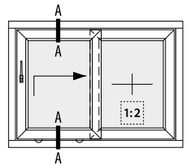


CL

SL
CL
RL



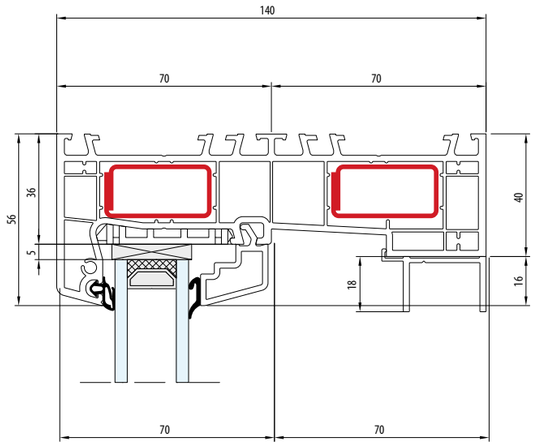

- Schemat A - Przekrój pionowy · Rama: 56 mm · Skrzydło: 97 mm
- Schéma A - Coupe verticale · Dormant: 56 mm · Vantail: 97 mm
- Schema A - Doorsnede verticaal · Frame: 56 mm · Sash: 97 mm
- Schema A - Senkrechter Schnitt · Rahmen: 56 mm · Flügel: 97 mm
- Schema A - Sezione verticale · Telaio: 56 mm · Anta: 97 mm
- Schema A - Verticale doorsnede · Kader: 56 mm · Vleugel: 97 mm

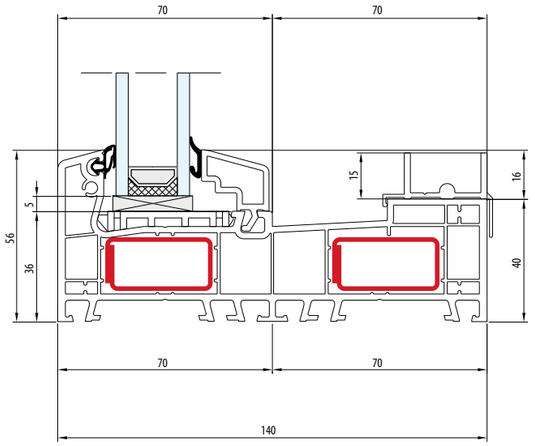



EASY SLIDE
MULTI SLIDE
SMART SLIDE
HST 70
HST 85

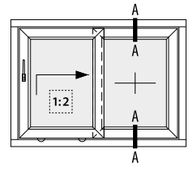
CL

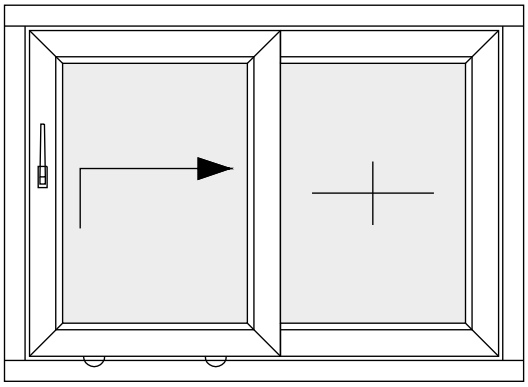
SL
CL
RL



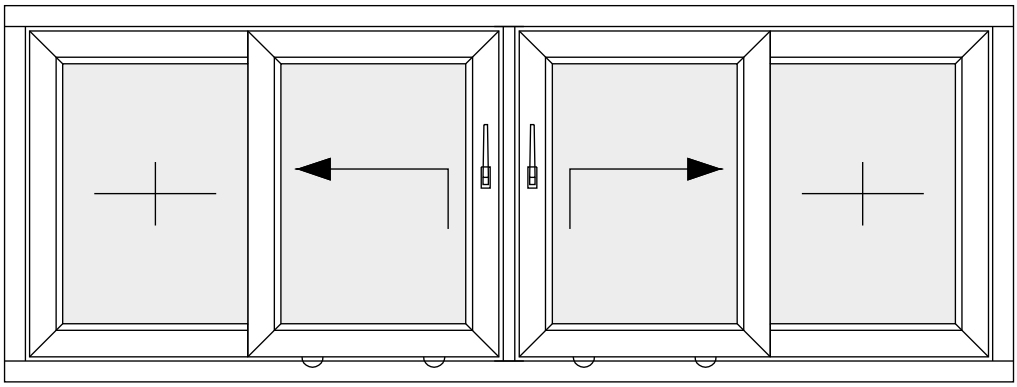




- Schemat A - Przekrój pionowy · Rama: 56 mm · Skrzydło: 97 mm
- Schéma A - Coupe verticale · Dormant: 56 mm · Vantail: 97 mm
- Schema A - Doorsnede verticaal · Frame: 56 mm · Sash: 97 mm
- Schema A - Senkrechter Schnitt · Rahmen: 56 mm · Flügel: 97 mm
- Schema A - Sezione verticale · Telaio: 56 mm · Anta: 97 mm
- Schema A - Verticale doorsnede · Kader: 56 mm · Vleugel: 97 mm





A

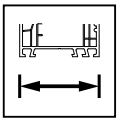


C

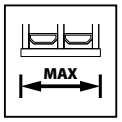
Schemat
Schéma
Schema
Schema
Schema
Schema

# HST 70

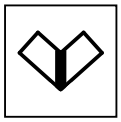




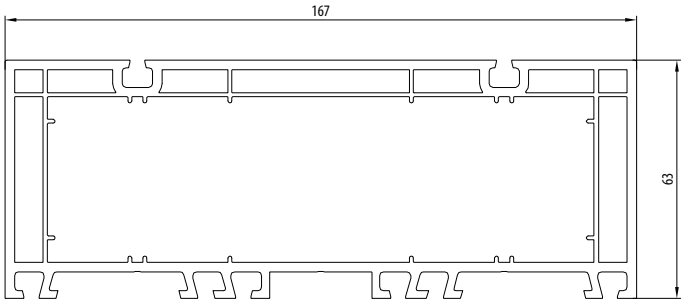
167



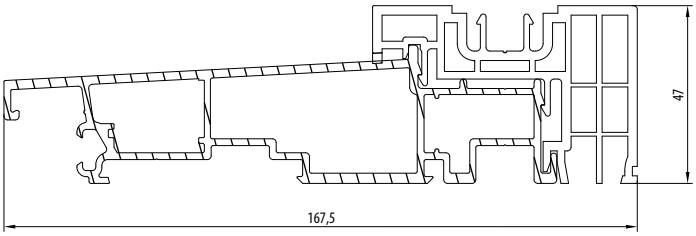

42



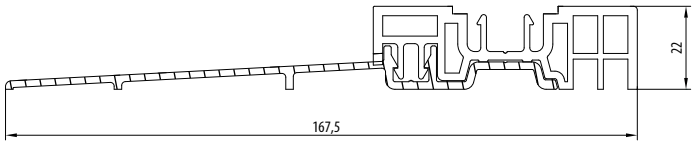




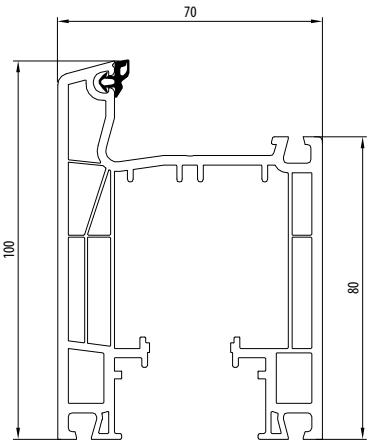

CL 140x80



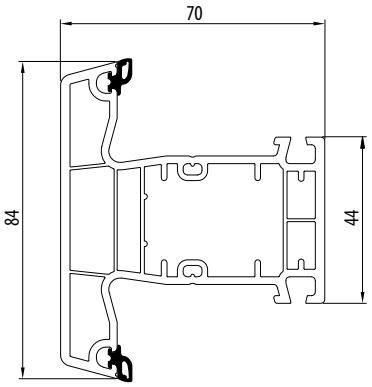

GU-47



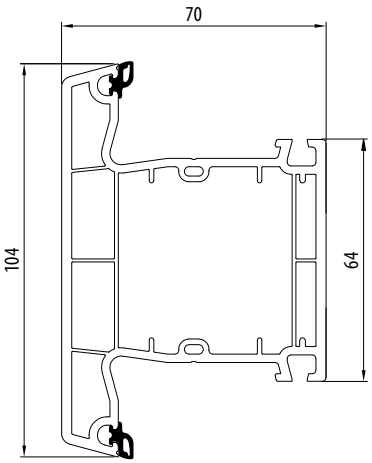

Flatstep




CL 140x81

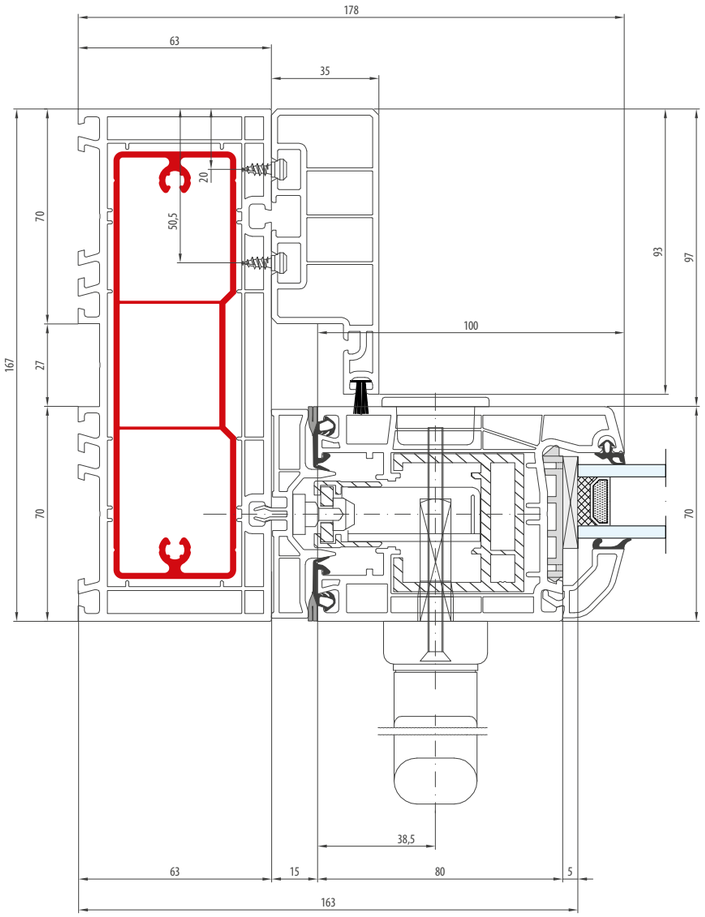


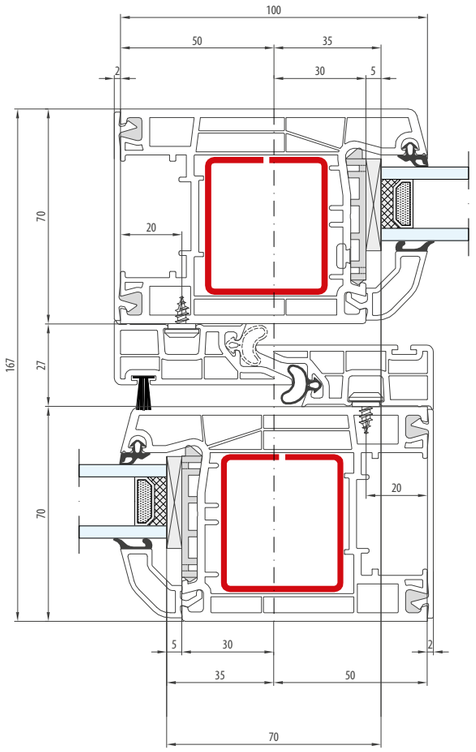

CL 140x41

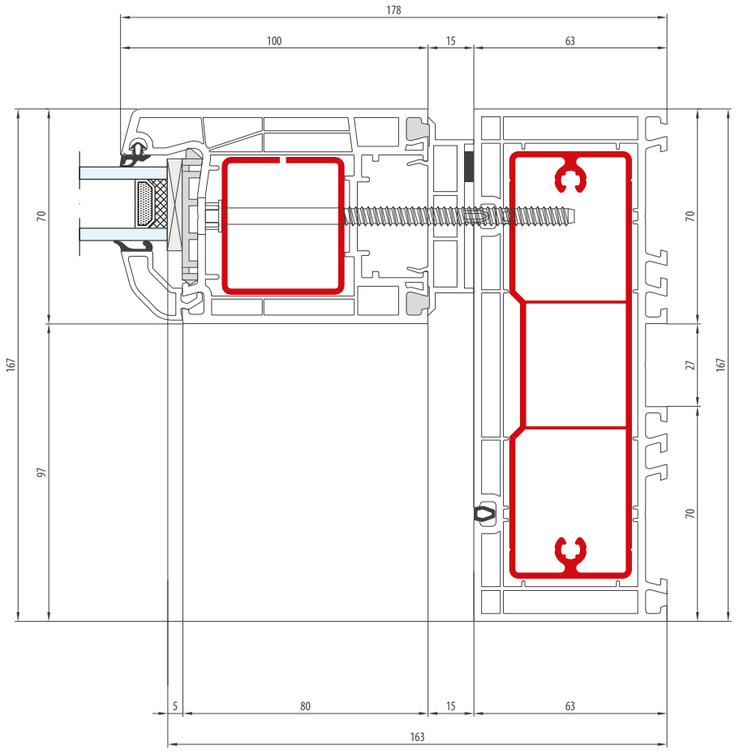



CL 140x45

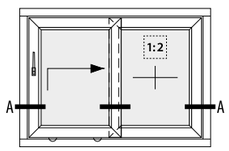
1:2



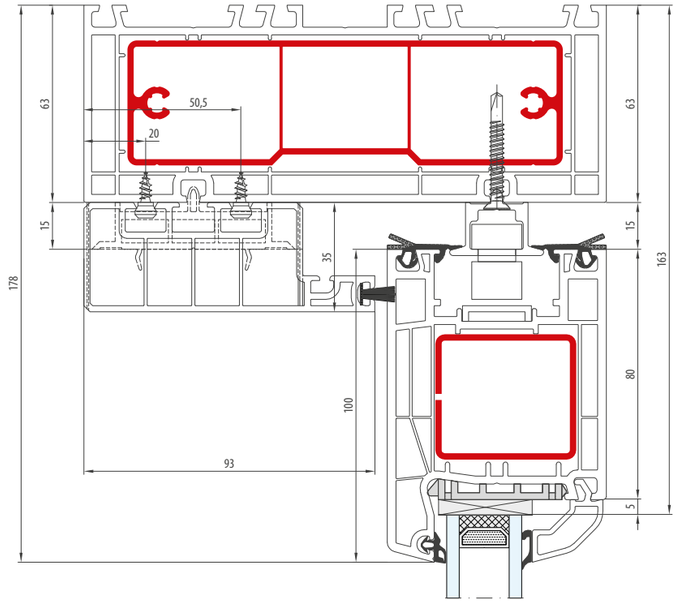




- Schemat A - Przekrój poziomy · Rama: 63 mm · Skrzydło: 100 mm
- Schéma A - Coupe horizontale · Dormant: 63 mm · Vantail: 100 mm
- Schema A - Doorsnede horizontaal · Frame: 63 mm · Sash: 100 mm
- Schema A - Wagerechter Schnitt · Rahmen: 63 mm · Flügel: 100 mm
- Schema A - Sezione orizzontale · Telaio: 63 mm · Anta: 100 mm
- Schema A - Horizontale doorsnede · Kader: 63 mm · Vleugel: 100 mm

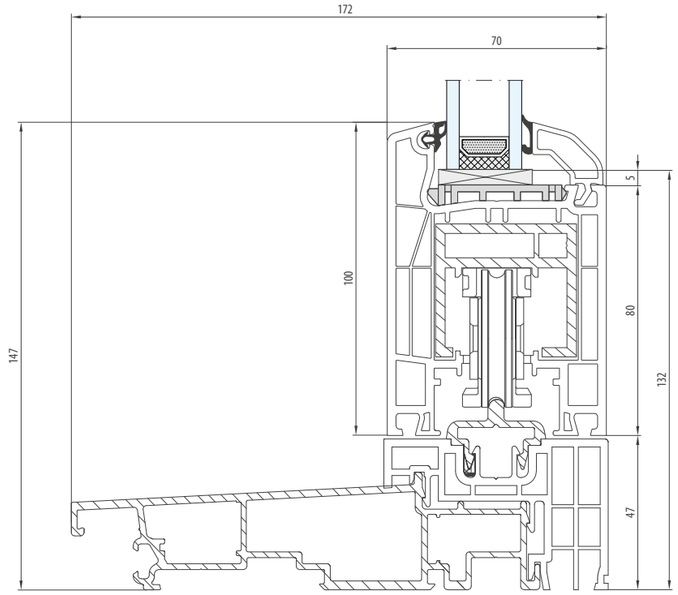


EASY SLIDE
MULTI SLIDE
SMART SLIDE
HST 70
HST 85

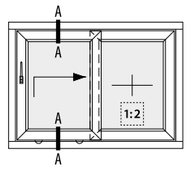
CL




SL
CL
RL

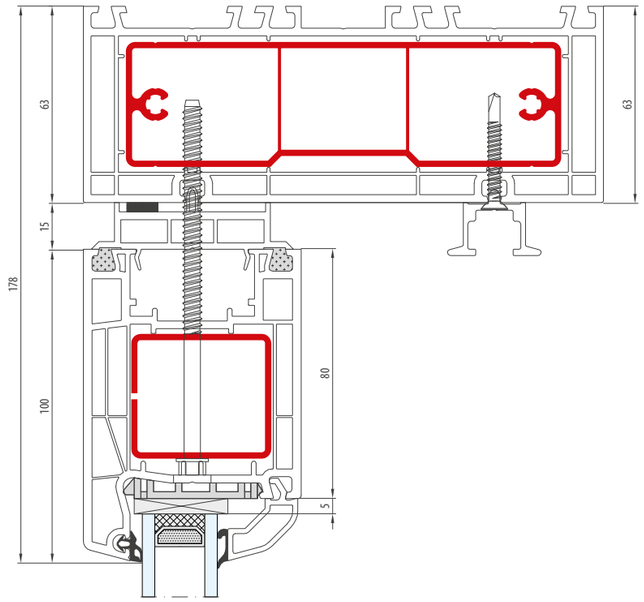



- Schemat A - Przekrój pionowy · Próg: 47 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 47 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 47 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 47 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 47 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 47 mm · Vleugel: 100 mm

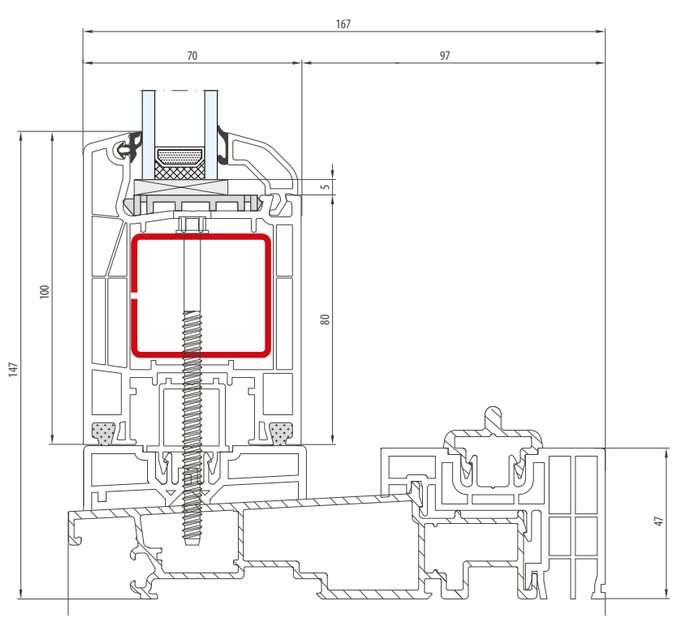



EASY SLIDE
MULTI SLIDE
SMART SLIDE
HST 70
HST 85

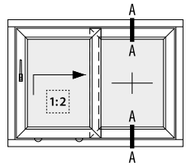
CL

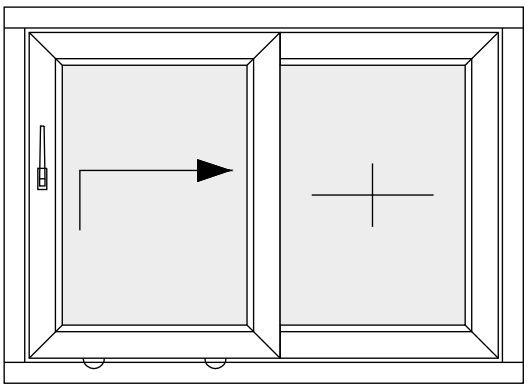



SL
CL
RL

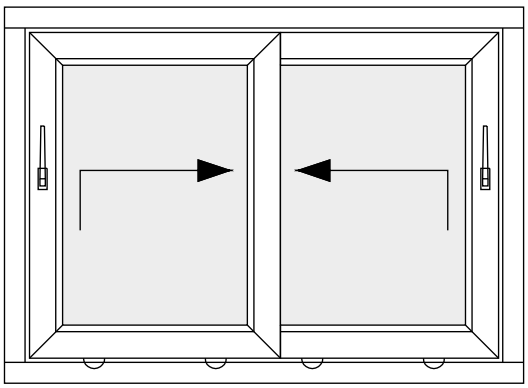



- Schemat A - Przekrój pionowy · Próg: 47 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 47 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 47 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 47 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 47 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 47 mm · Vleugel: 100 mm

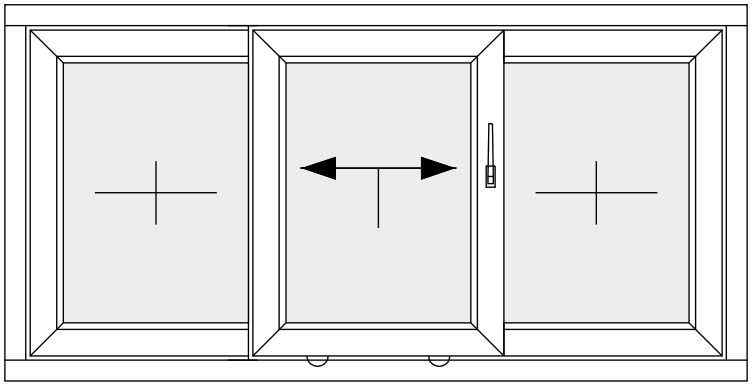




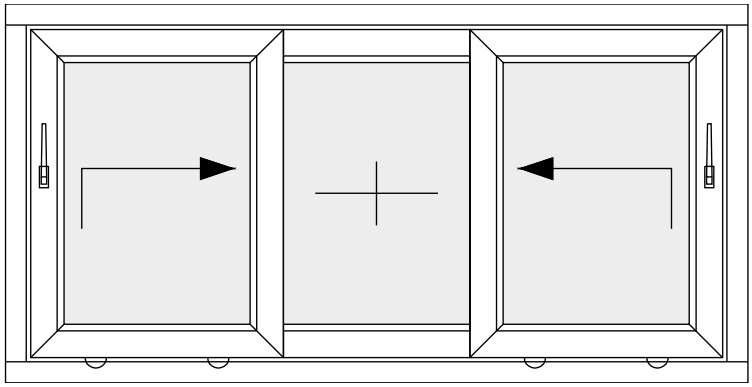
A



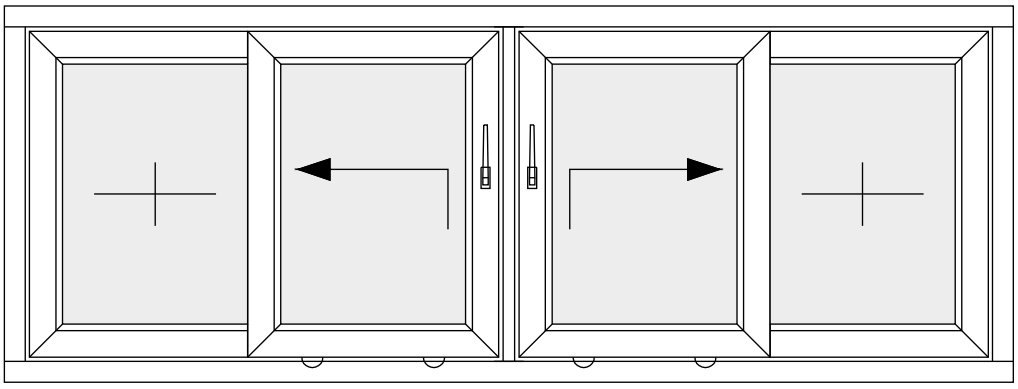
D



G



K

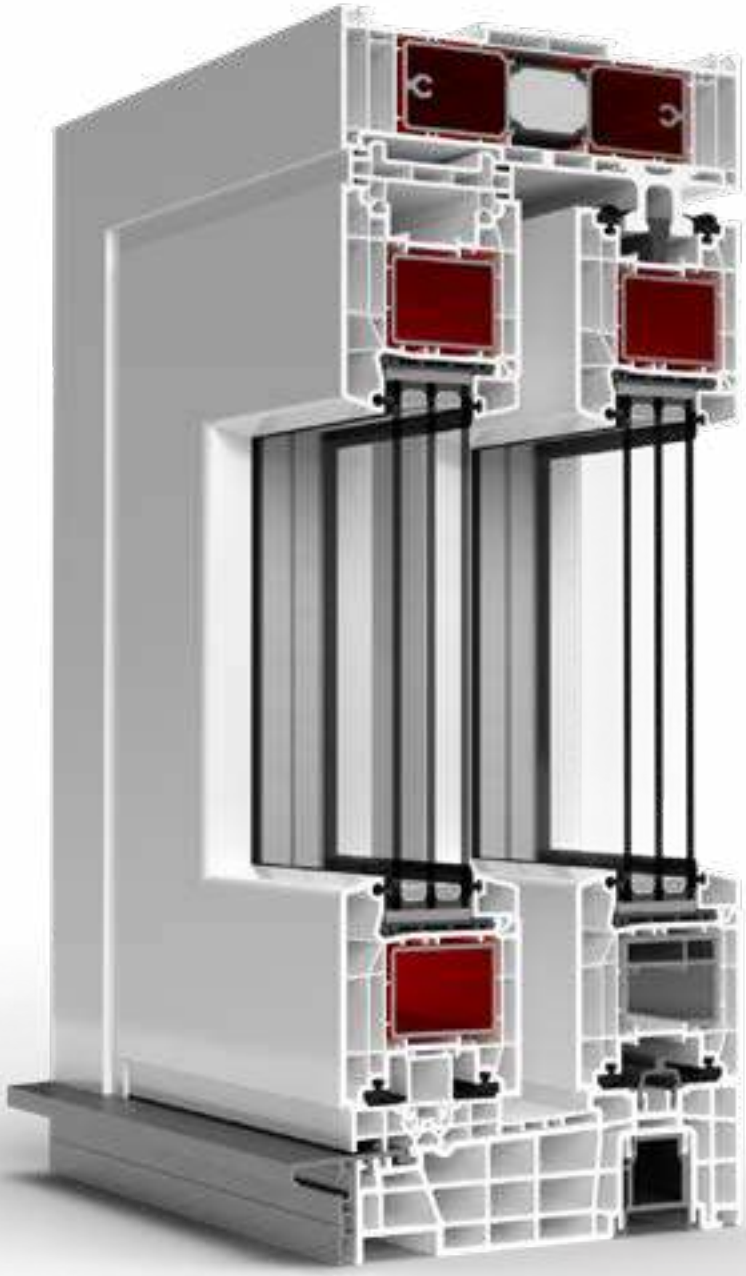


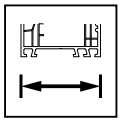
C

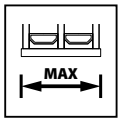


Schemat
Schéma
Schema
Schema
Schema
Schema

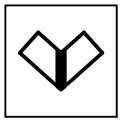
# HST 85




197



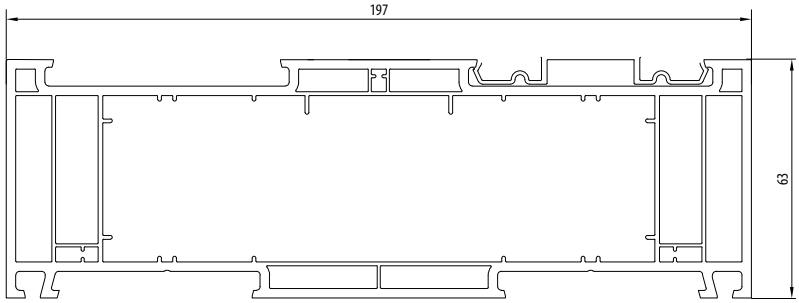
52



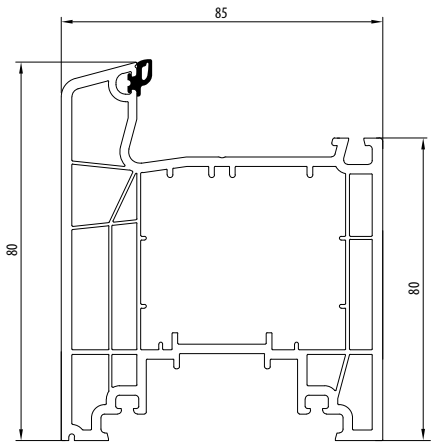



ALU

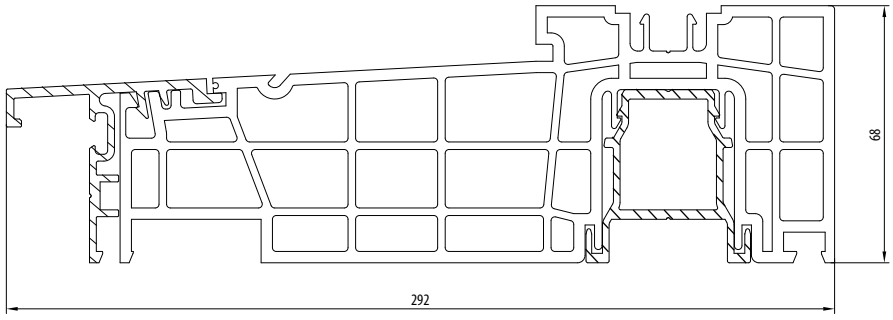




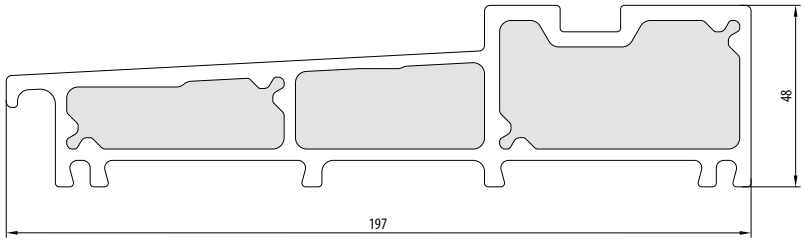

CL ALU 170x80



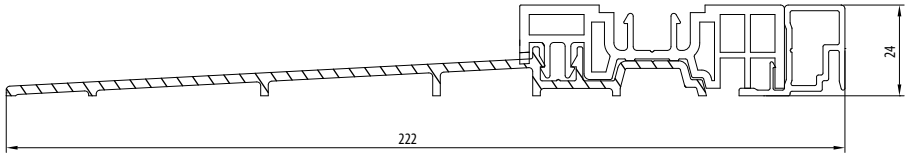

CL ALU 170x81



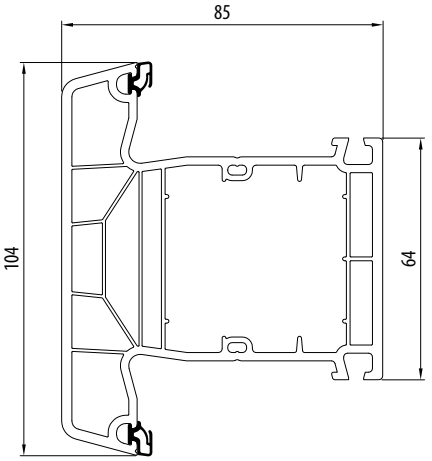

Thermostep



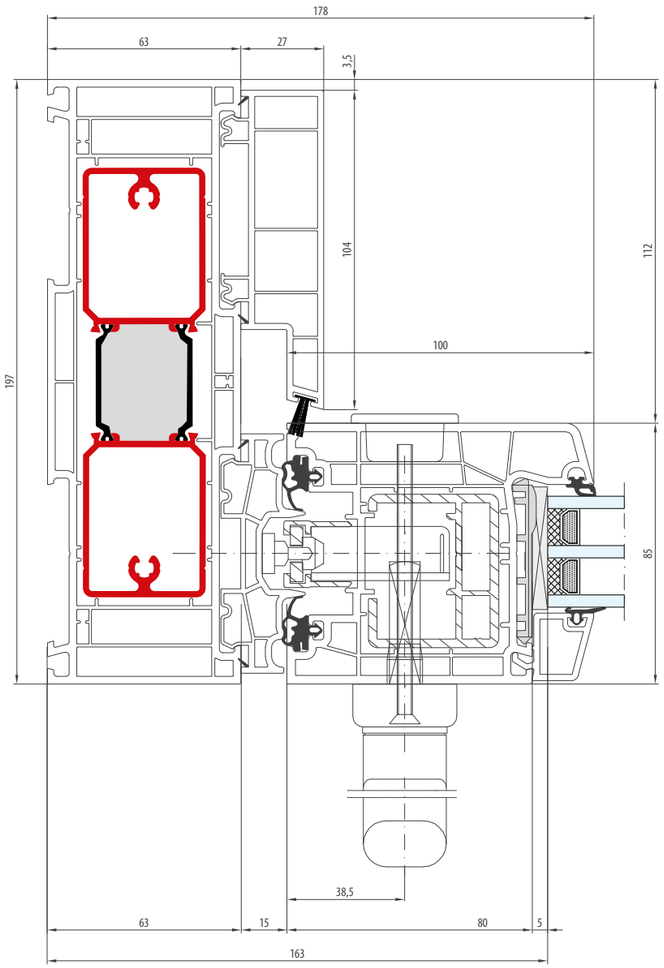

Premium

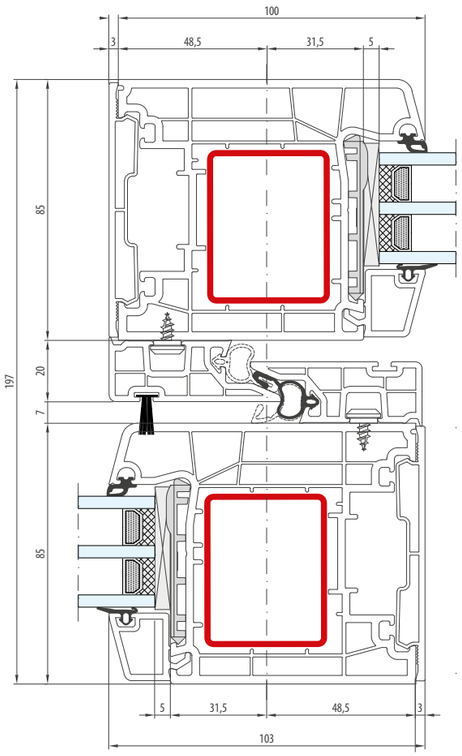


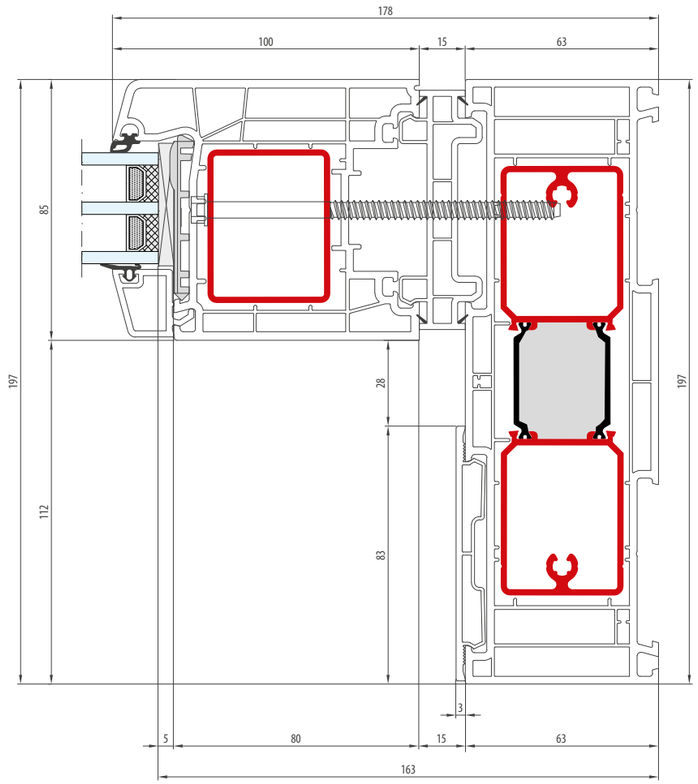

Flatstep



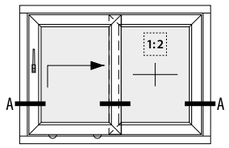

CL ALU 170x44

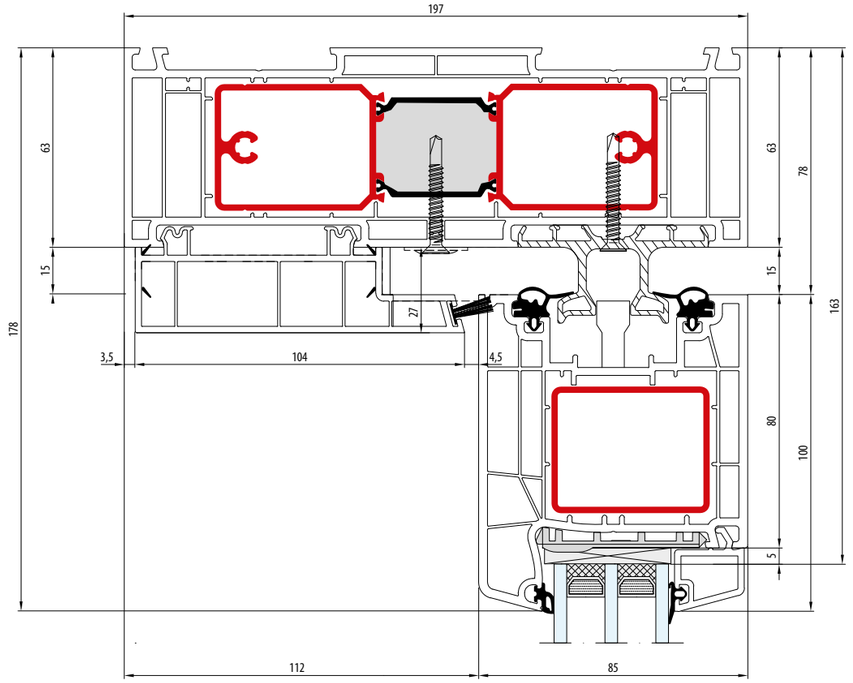



- Schemat A - Przekrój poziomy · Rama: 63 mm · Skrzydło: 100 mm
- Schéma A - Coupe horizontale · Dormant: 63 mm · Vantail: 100 mm
- Schema A - Doorsnede horizontaal · Frame: 63 mm · Sash: 100 mm
- Schema A - Wagerechter Schnitt · Rahmen: 63 mm · Flügel: 100 mm
- Schema A - Sezione orizzontale · Telaio: 63 mm · Anta: 100 mm
- Schema A - Horizontale doorsnede · Kader: 63 mm · Vleugel: 100 mm

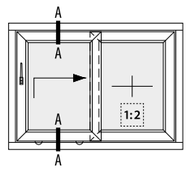


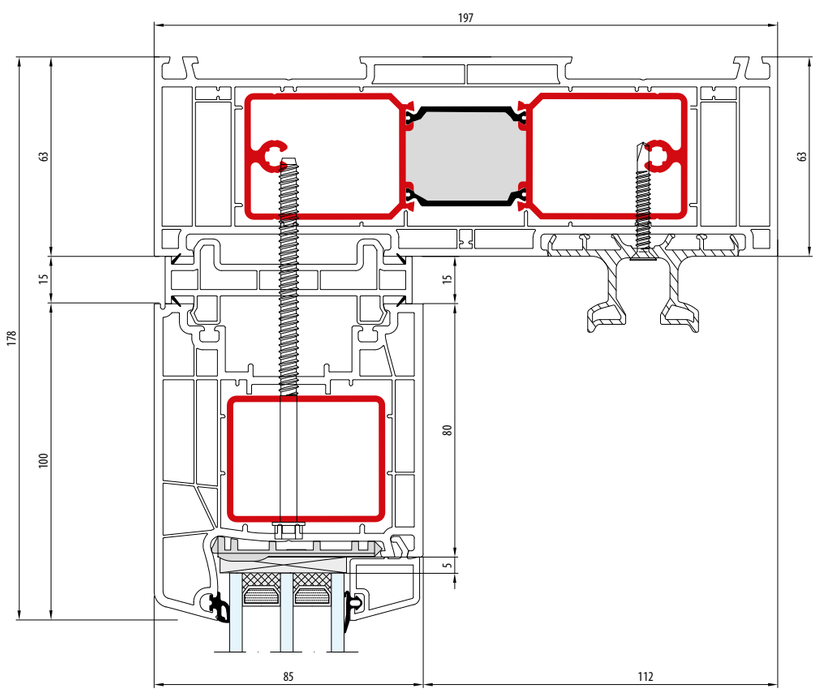






- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm

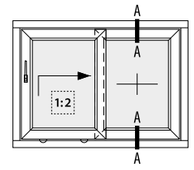


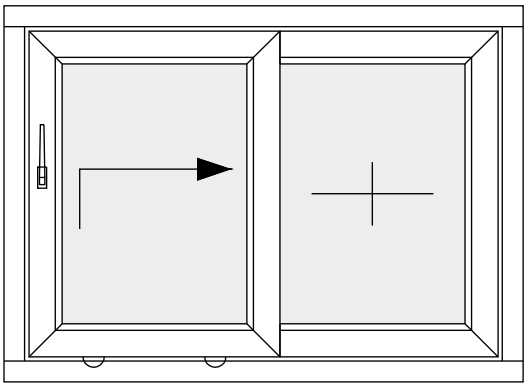





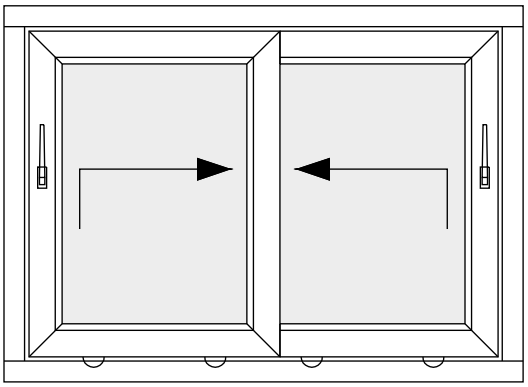


- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm

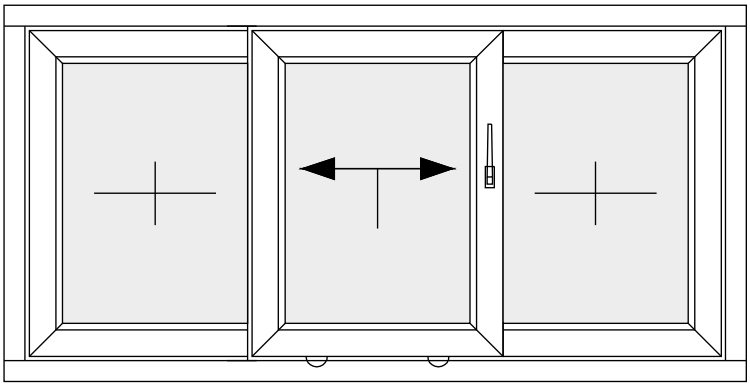




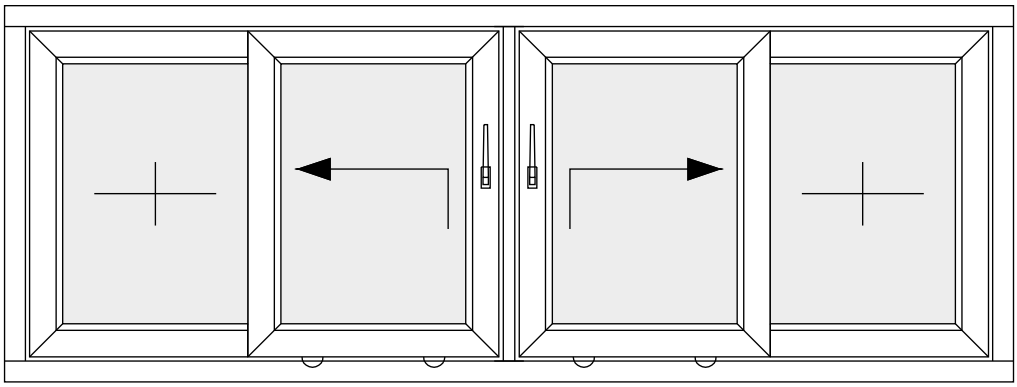
A



D

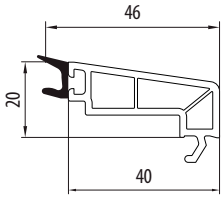
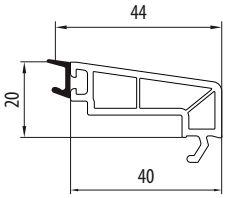
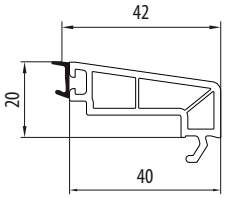
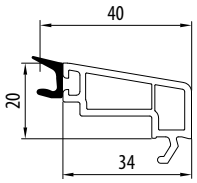
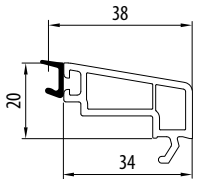
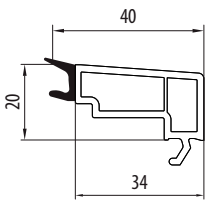
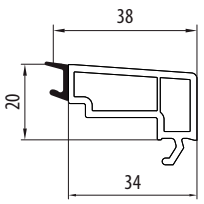


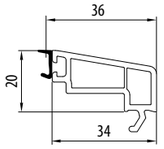
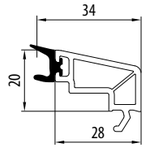
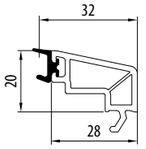
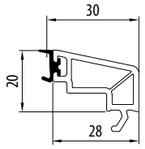
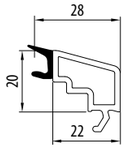
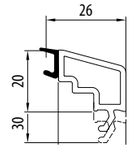
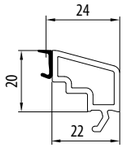
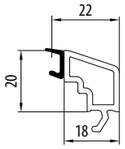
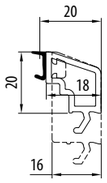
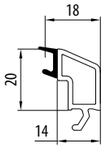
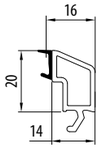
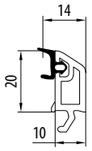
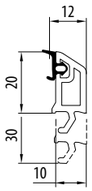
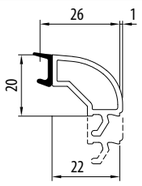
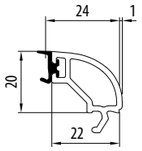
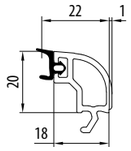
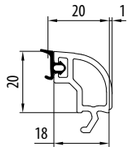
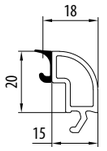
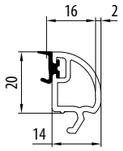
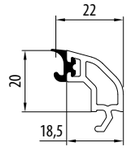
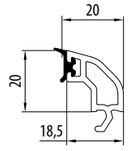
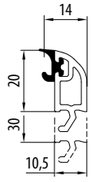
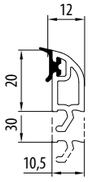
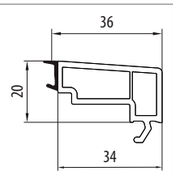
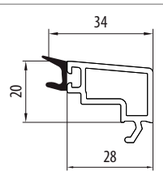
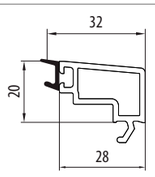
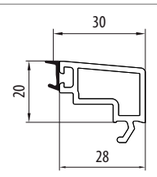
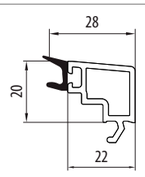
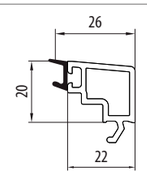
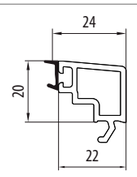
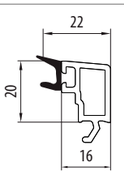
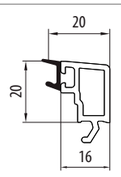
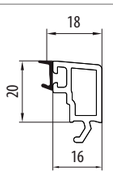
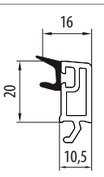
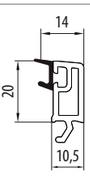
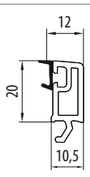
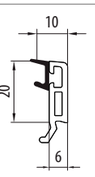
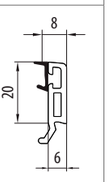
G

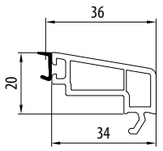
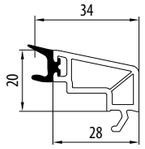
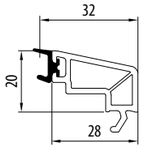
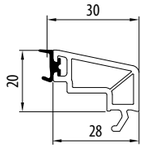
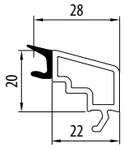
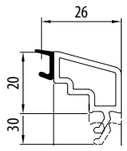
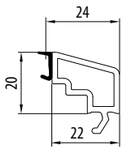
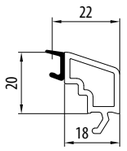
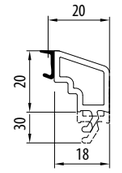
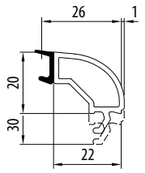
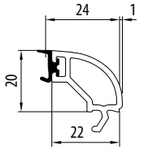
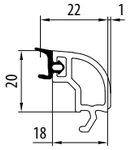
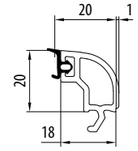
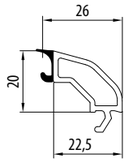
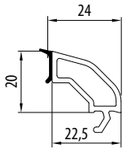
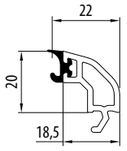
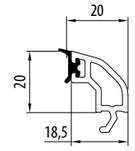


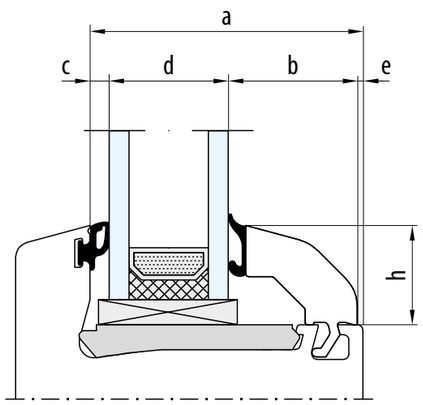
C

Schemat
Schéma
Schema
Schema
Schema
Schema

| | d [mm] | | | | | |
|---|---|---|---|---|---|---|
| Ideal 4000<br>Ideal 5000<br>Nord-line**<br>Blockprofil<br>Monoblock<br>Nordline<br>Ideal 70/Cas<br>HST 70<br>Smartslide | 4 - 5 | 6 - 7 | 8 - 9 | 10 - 11 | 12 - 13 | |
| Ideal Neo** | 16 - 17 | 18 - 19 | 20 - 21 | 22 - 23 | 24 - 25 | |
| Ideal Neo*<br>Energeto Neo* | 14 - 15 | 16 - 17 | 18 - 19 | 20 - 21 | 22 - 23 | |
| Energeto Neo ** | | | | 36 - 37 | 38 - 39 | |
| Ideal 7000<br>Ideal 8000<br>Energeto 8000<br>Nord-line (R)<br>HST 85 | | | | 20 - 21 | 22 - 23 | |
| Ideal 4000<br>> 140x27 | | | | 17 - 18 | 19 - 20 | |
| CL | <br>■ 140741<br>□ 140771 | <br>■ 140841<br>□ 140871 | <br>■ 140641<br>□ 140671 | <br>■ 120740<br>□ 120770 | <br>■ 120840<br>□ 120870 | |
| RL | | | | | | |
| SL | | | | | | |
| QL | | | | <br>■ 150736<br>□ 150766 | <br>■ 150836<br>□ 150866 | |

| d [mm] | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14 - 15 | 16 - 17 | 18 - 19 | 20 - 21 | 22 - 23 | 24 - 25 | 26 - 27 | 28 - 29 | 30 - 31 | 32 - 33 | 34 - 35 | 36 - 37 | 38 - 39 | 40 - 41 | 42 |
| 26 - 27 | 28 - 29 | 30 - 31 | 32 - 33 | 34 - 35 | 36 - 37 | 38 - 39 | 40 - 41 | 42 - 43 | 44 - 45 | 46 - 47 | 48 - 49 | 50 - 51 | 52 - 53 | 54 |
| 24 - 25 | 26 - 27 | 28 - 29 | 30 - 31 | 32 - 33 | 34 - 35 | 36 - 37 | 38 - 39 | 40 - 41 | 42 - 43 | 44 - 45 | 46 - 47 | 48 - 49 | 50 - 51 | 52 |
| 40 - 41 | 42 - 43 | 44 - 45 | 46 - 47 | 48 - 49 | 50 - 51 | 52 - 53 | 54 - 55 | 56 - 57 | 58 - 59 | 60 - 61 | 62 - 63 | 64 - 65 | 66 - 67 | 68 |
| 24 - 25 | 26 - 27 | 28 - 29 | 30 - 31 | 32 - 33 | 34 - 35 | 36 - 37 | 38 - 39 | 40 - 41 | 42 - 43 | 44 - 45 | 46 - 47 | 48 - 49 | 50 - 51 | 52 |
| 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 3 1 - 32 | 33 - 34 | 35 - 36 | 37 - 38 | 39 - 40 | 41 - 42 | 43 - 44 | 45 - 46 | 47 - 48 | 49 |
|  ■ 120640 □ 120670 |  ■ 120738 □ 120768 |  ■ 120838 □ 120868 |  ■ 120638 □ 120668 |  ■ 120736 □ 120766 |  ■ 120836 □ 120866 |  ■ 120636 □ 120666 |  ■ 120835 □ 120865 |  ■ 120635 □ 120665 ■ 130854 □ 130884 |  ■ 120833 □ 120863 |  ■ 120633 □ 120663 |  ■ 120832 □ 120862 |  ■ 120632 □ 120662 ■ 130653 □ 130683 | | |
| | | | | |  ■ 120850 □ 120880 ■ 130850 □ 130880 |  ■ 120650 □ 120680 |  ■ 120859 □ 120889 |  ■ 120659 □ 120689 |  ■ 140852 □ 140882 |  ■ 120642 □ 120672 | | | | |
| | | | | | | |  ■ 120847 □ 120877 |  ■ 120647 □ 120677 | | |  ■ 120849 □ 120879 ■ 130859 □ 130889 |  ■ 120649 □ 120679 ■ 130659 □ 130689 | | |
|  ■ 150636 □ 150666 |  ■ 150735 □ 150765 |  ■ 150835 □ 150865 |  ■ 150635 □ 150665 |  ■ 150734 □ 150764 |  ■ 150834 □ 150864 |  ■ 150634 □ 150664 |  ■ 150733 □ 150763 |  ■ 150833 □ 150863 |  ■ 150633 □ 150663 |  ■ 150732 □ 150762 |  ■ 150832 □ 150862 |  ■ 150632 □ 150662 |  ■ 150831 □ 150861 |  ■ 150631 □ 150661 |

| | d [mm] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Easy Slide | | | | | | | | | 4 - 5 | 6 - 7 | 8 - 9 |
| Multi Slide | | | 6 - 7 | 8 - 9 | 10 - 11 | 12 - 13 | 14 - 15 | 16 - 17 | 18 - 19 | 20 - 21 | 22 - 23 |
| CL | | |  ■ 120640 ▒ 120670 |  ■ 120738 ▒ 120768 |  ■ 120838 ▒ 120868 |  ■ 120638 ▒ 120668 |  ■ 120736 ▒ 120766 |  ■ 120836 ▒ 120866 ■ 130836 ▒ 130866 |  ■ 120636 ▒ 120666 |  ■ 120835 ▒ 120865 |  ■ 120635 ▒ 120665 ■ 130854 ▒ 130884 |
| RL | | | | | | | |  ■ 120850 ▒ 120880 ■ 130850 ▒ 130880 |  ■ 120650 ▒ 120680 |  ■ 120859 ▒ 120889 |  ■ 120659 ▒ 120689 |
| SL | | | | | | | |  ■ 120846 ▒ 120876 |  ■ 120646 ▒ 120676 |  ■ 120847 ▒ 120877 |  ■ 120647 ▒ 120677 |

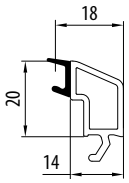
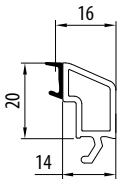
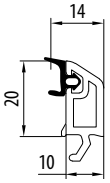
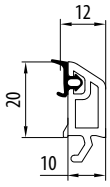
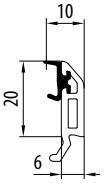
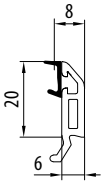
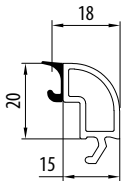
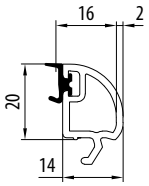
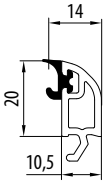
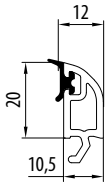


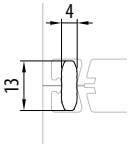

**b = a - c - d - e**

| | a [mm] | c [mm] | e [mm] |
|---|---|---|---|
| Ideal 4000 | 55 | 4 | 1 |
| > 140x27 | 63 | 4 | 1 |
| Ideal 5000<br>Nordline **<br>Blockprofil<br>Monoblock<br>Ideal 70/Cas<br>HST 70<br>Smart-Slide | 55 | 4 | 1 |
| Ideal 7000<br>Ideal 7000 NL<br>Ideal 8000<br>Energeto 8000<br>Nordline *<br>HST 85 | 65 | 4 | 1 |
| Ideal Neo<br>Energeto Neo | 66 | 4 | 1 |
| > 060x27 | 80 | 4 | 1 |
| Easy Slide | 32 | 4 | 1 |
| Multi Slide | 47 | 4 | 1 |

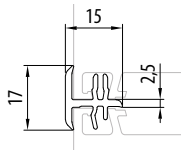
* Rama · Dormant · Frame · Rahmen · Telaio · Telaio

** Skrzydło · Vantail · Sash · Flügel · Anta · Anta

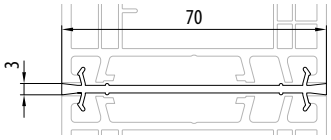
| d [mm] | | | | | |
|---|---|---|---|---|---|
| 10 - 11 | 12 - 13 | 14 - 15 | 16 - 17 | 18 - 20 | 21 -22 |
| 24 - 25 | 26 - 27 | 28 - 29 | 30 - 31 | 32 - 33 | 34 - 35 |
| <br>■ 120833<br>□ 120863 | <br>■ 120633<br>□ 120663 | <br>■ 120832<br>□ 120862 | <br>■ 120632<br>□ 120662 | <br>■ 140831<br>□ 140861 | <br>■ 140631<br>□ 140661 |
| <br>■ 140852<br>□ 140882 | <br>■ 120642<br>□ 120672 | | | | |
| | | <br>■ 120849<br>□ 120879 | <br>■ 120649<br>□ 120679 | | |



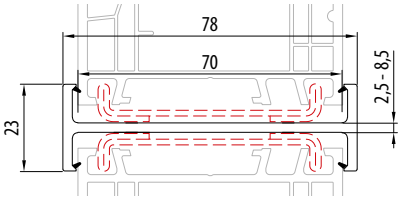

120116




120224

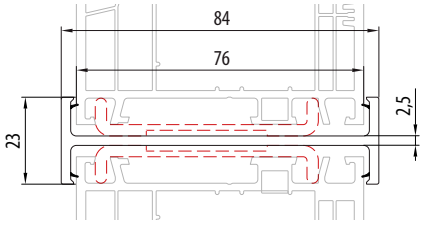



140203



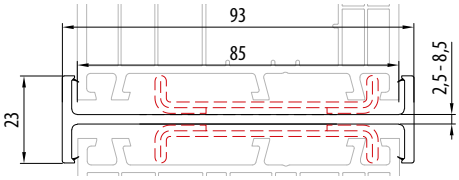

140267

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 209900 | Ix 0,1 | Iy 7,3 |
| | 1,5 | 209900 x 2 | Ix 0,2 | Iy 14,6 |



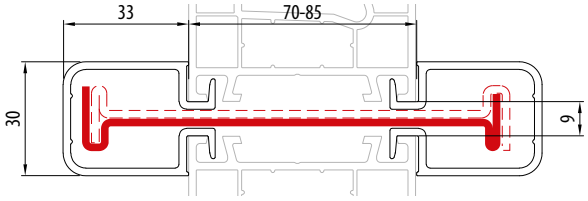

160267

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 209900 x 2 | Ix 0,2 | Iy 14,6 |



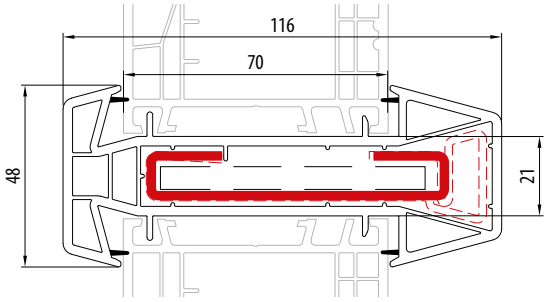

180267

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 209900 | Ix 0,1 | Iy 7,3 |
| | 1,5 | 209900 x 2 | Ix 0,2 | Iy 14,6 |



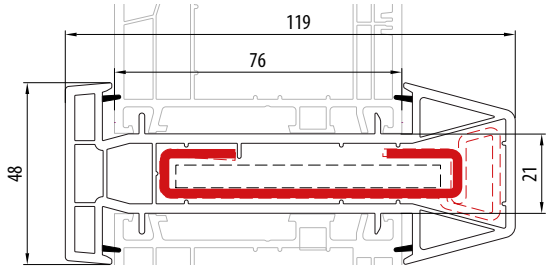

120219

| | | | | |
|---|---|---|---|---|
| | 2,0 | 229019 | Ix 0,2 | Iy 43,3 |
| | 2,0 | 229019 x 2 | Ix 0,4 | Iy 86,6 |



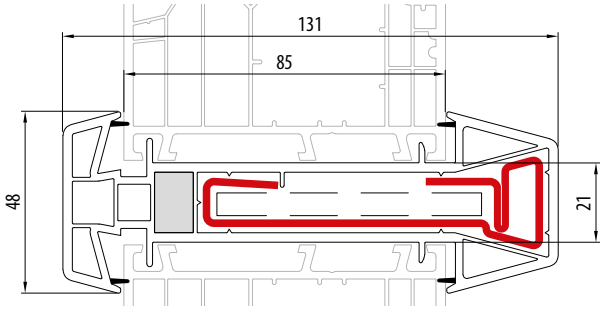

140218

| | | | | |
|---|---|---|---|---|
| | 2,5 | 229018 | Ix 0,7 | Iy 24,8 |
| | 2,5+6,0 | 229018 + 6x70 | Ix 0,8 | Iy 41,9 |
| | 2,0 | 289218 | Ix 1,3 | Iy 36,9 |
| | 2,0+6,0 | 289218 + 6x70 | Ix 1,5 | Iy 54,1 |




160218

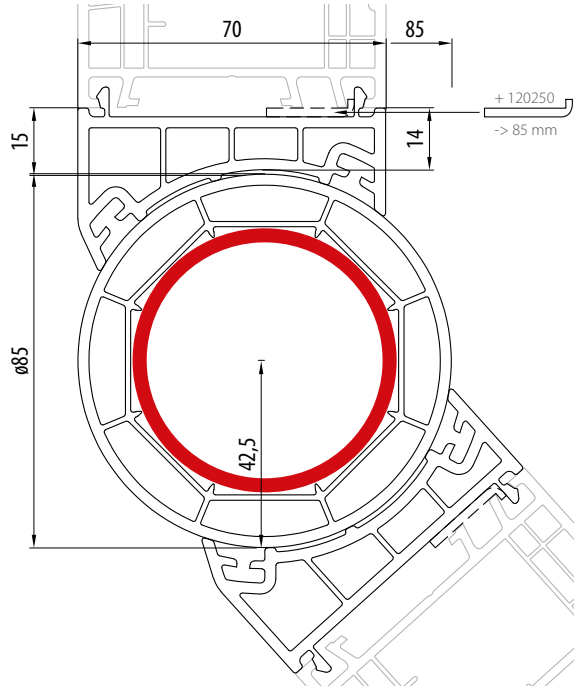
| | | | | |
|---|---|---|---|---|
| | 2,5 | 229018 | Ix 0,7 | Iy 24,8 |
| | 2,5+6,0 | 229018 + 6x70 | Ix 0,8 | Iy 41,9 |
| | 2,0 | 289218 | Ix 1,3 | Iy 36,9 |
| | 2,0+6,0 | 289218 + 6x70 | Ix 1,5 | Iy 54,1 |




180218

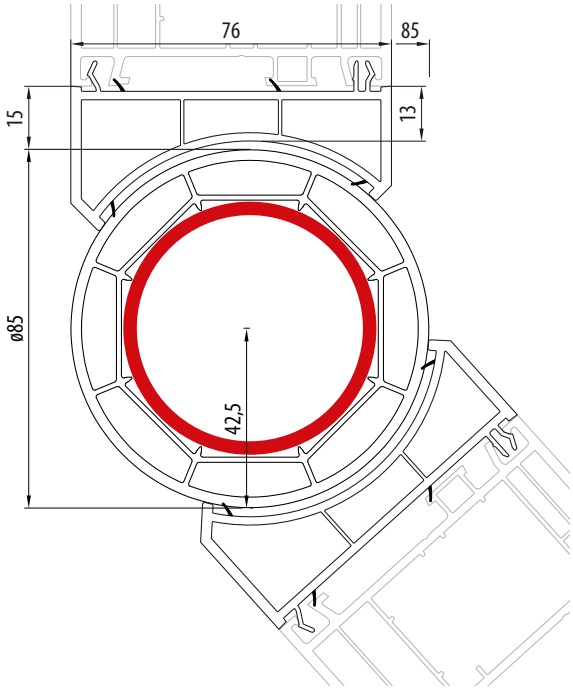
| | | | | |
|---|---|---|---|---|
| | 2,0 | 289218 | Ix 1,3 | Iy 36,9 |
| | 2,0+6,0 | 289218 + 6x70 | Ix 1,5 | Iy 54,1 |

1:2



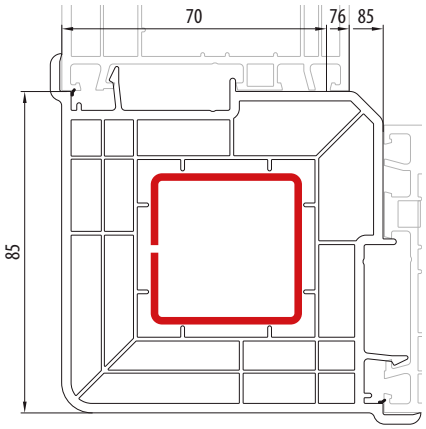

140243 - 140244 - 140243

3,2 | 249244 | Ix 23,1 | Iy 23,1



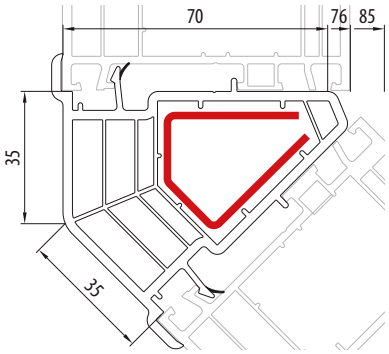

160243 - 140244 - 160243

3,2 | 249244 | Ix 23,1 | Iy 23,1



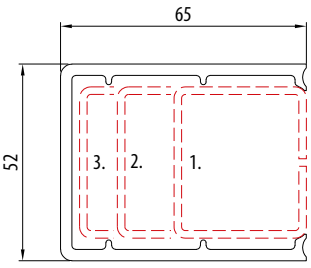

160248

2,0 | 229040 | Ix 7,0 | Iy 6,9




140249

2,0 | 249242 | Ix 2,1 | Iy 2,8




120109

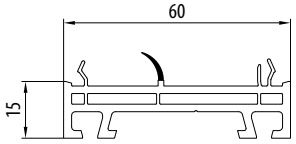
1,5 | 229114 | Ix 4,9 | Iy 3,9

2,0 | 229125 | Ix 8,5 | Iy 12,0

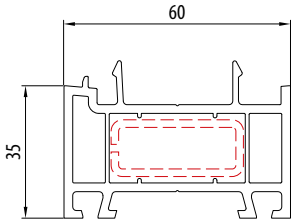
2,0 | 259926 | Ix 9,9 | Iy 18,7



1:2

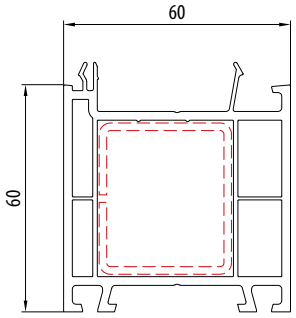



120220



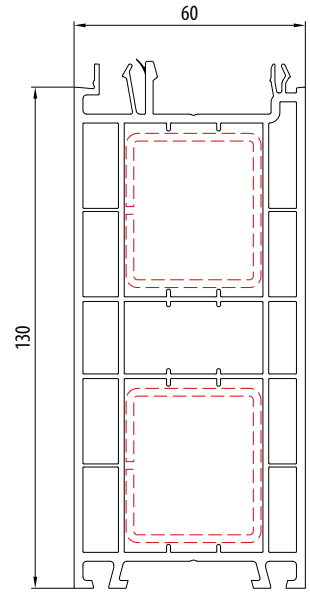

120242

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229110 | Ix 0,4 | Iy 1,8 |



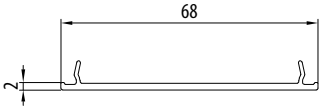

120221

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 | Ix 4,9 | Iy 3,9 |

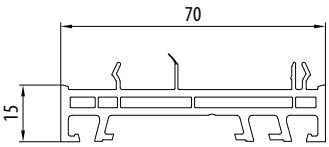



120223

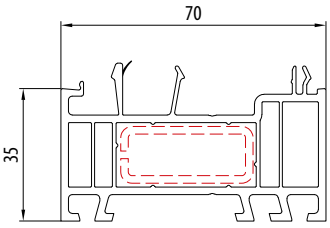
| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 x 2 | Ix 9,8 | Iy 7,8 |




140227

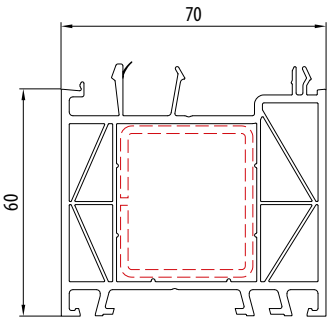



140209



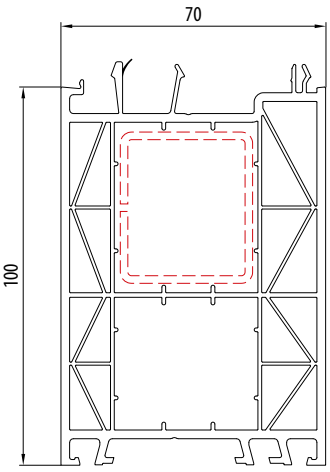

ALU 140205

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229110 | Ix 0,4 | Iy 1,8 |




ALU 140207

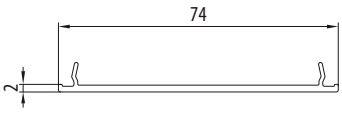
| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 | Ix 4,9 | Iy 3,9 |



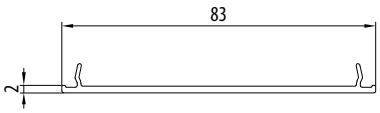

ALU 140208

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 | Ix 4,9 | Iy 3,9 |

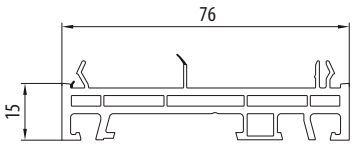
1:2



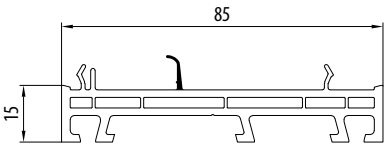

160227



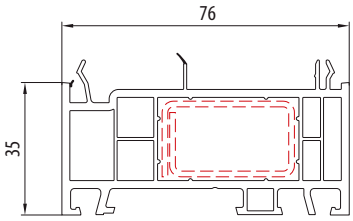

180227




160201

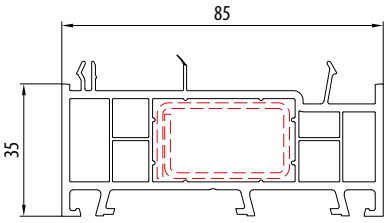



180209



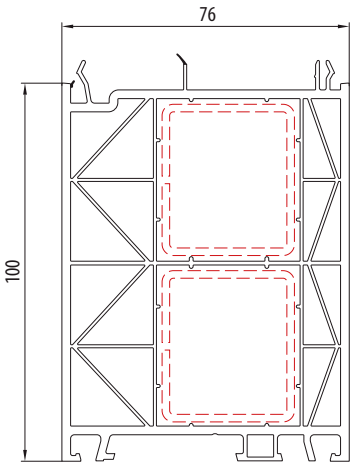

160202

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229101 | Ix 1,0 | Iy 2,8 |



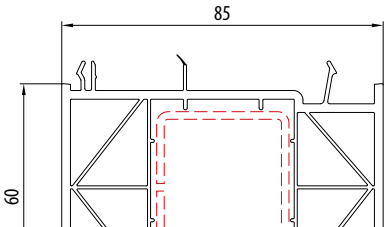

180201

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229101 | Ix 1,0 | Iy 2,8 |



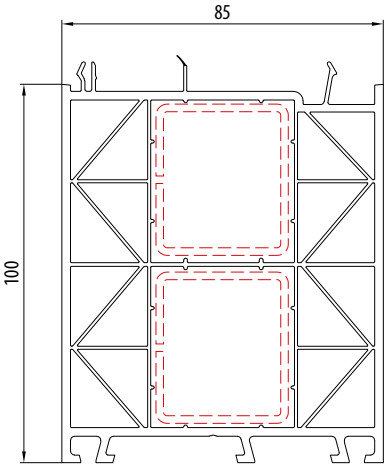

160204

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 x 2 | Ix 9,8 | Iy 7,8 |



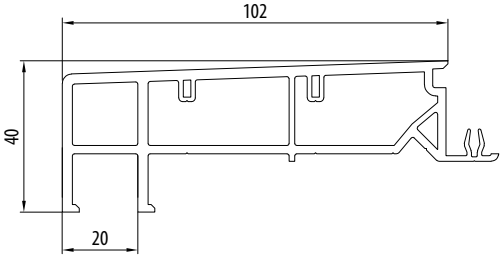

180203

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 | Ix 4,9 | Iy 3,9 |

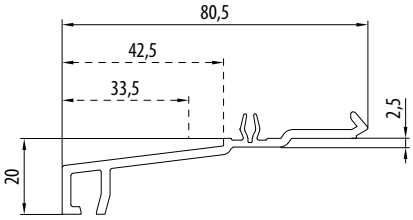



180204

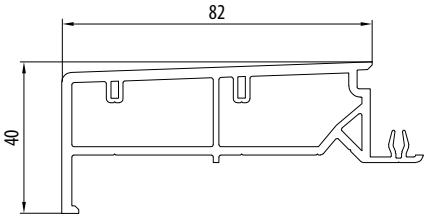
| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 229114 x 2 | Ix 9,8 | Iy 7,8 |



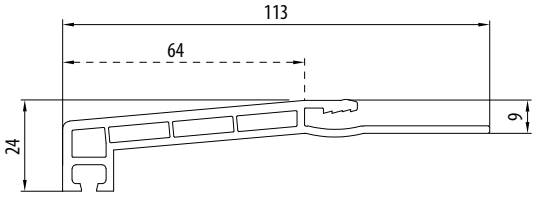

120196



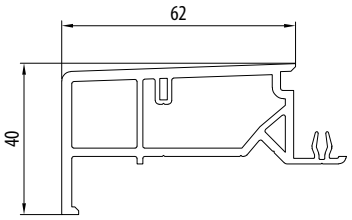

140229



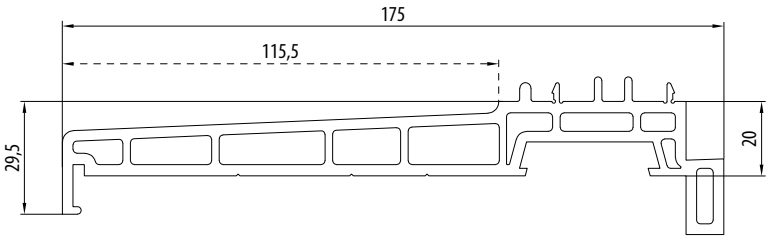

120270



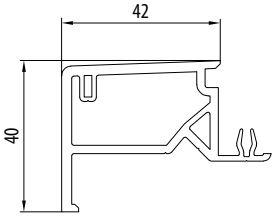

140219



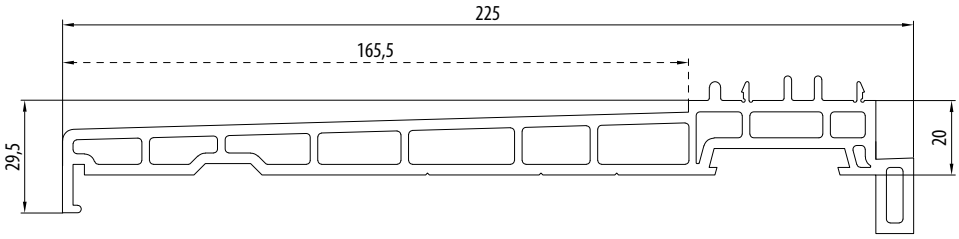

120195



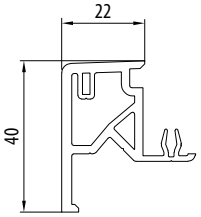

120190



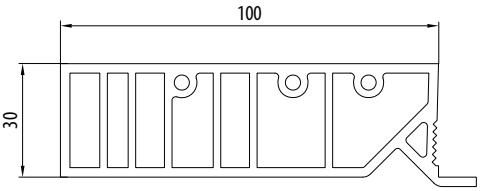

120194



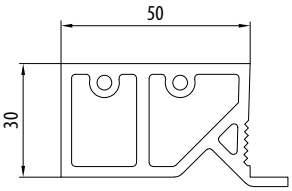

120192




120193



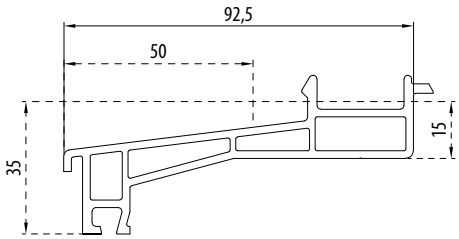

120112



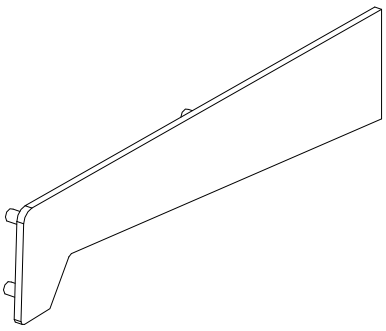

120113



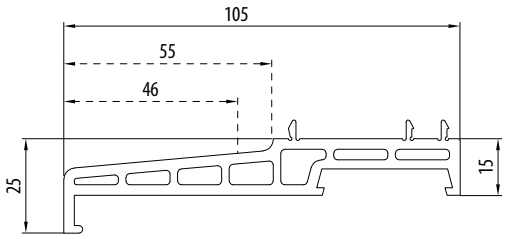
1:2



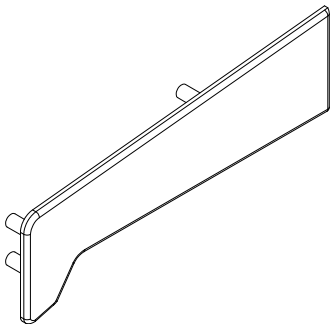

120246



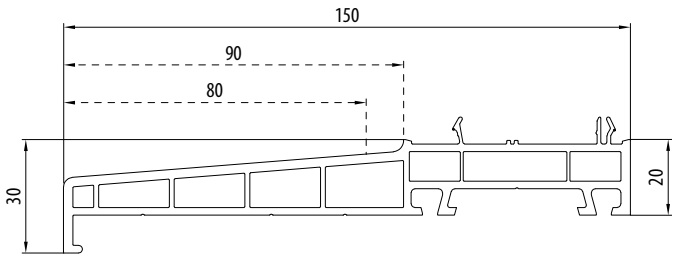
600020



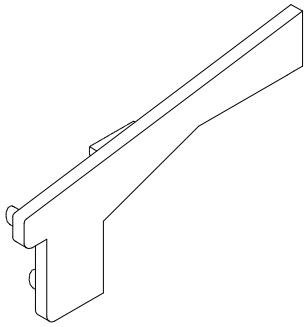

120248



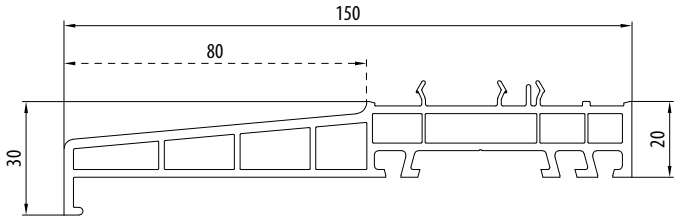
600220



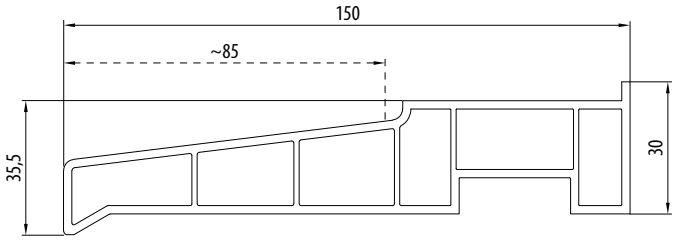

120249



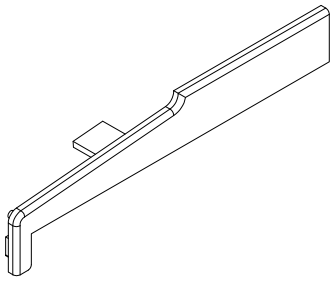
650921



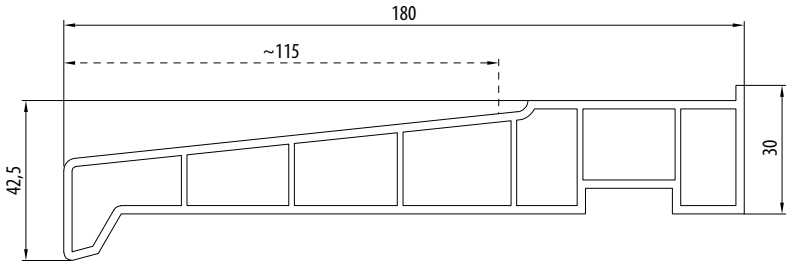

140238




100220



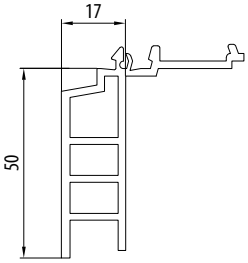
620249



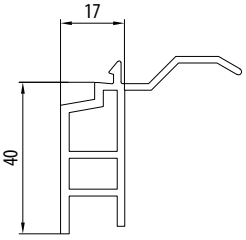

120108



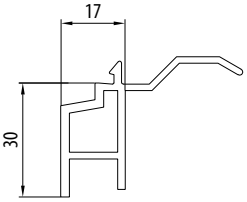
1:2



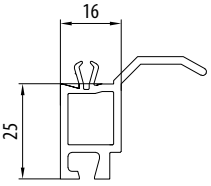
120210



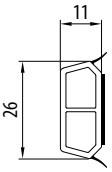
120209



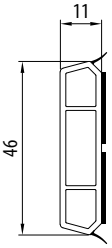
120208



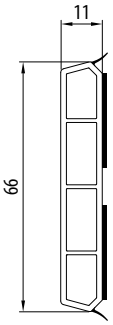
120206



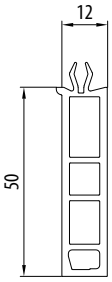
160376



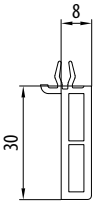
160378



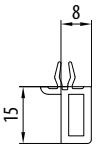
160479



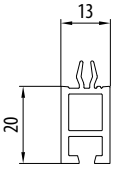
120102



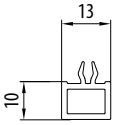
120237



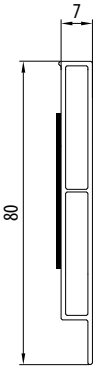
120236



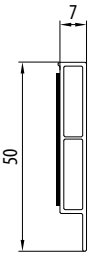
120106



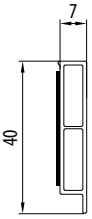
140277



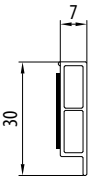
650780



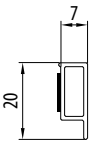
640756



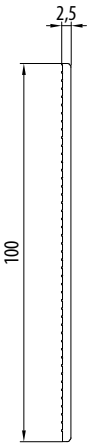
640746



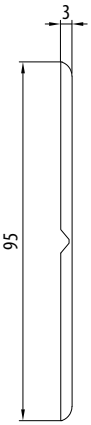
640736



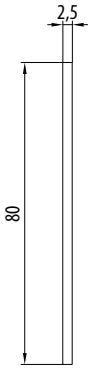
640726



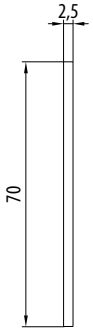
65025100



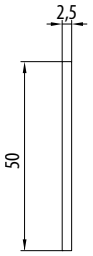
6465050



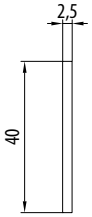
65025080



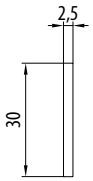
65025070



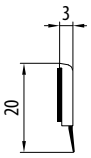
65025050



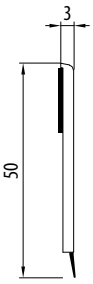
65025040



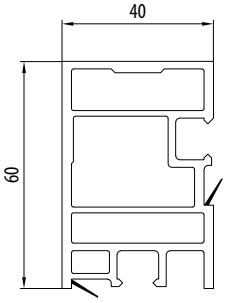
65025030



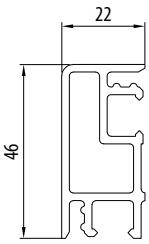
120120



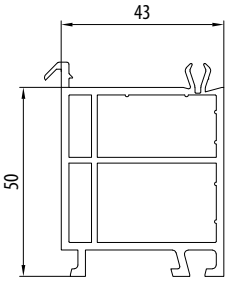
120283



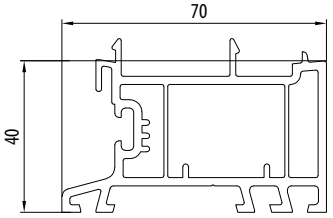
140276



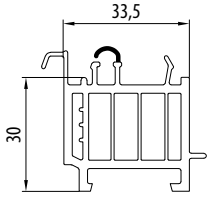
140275



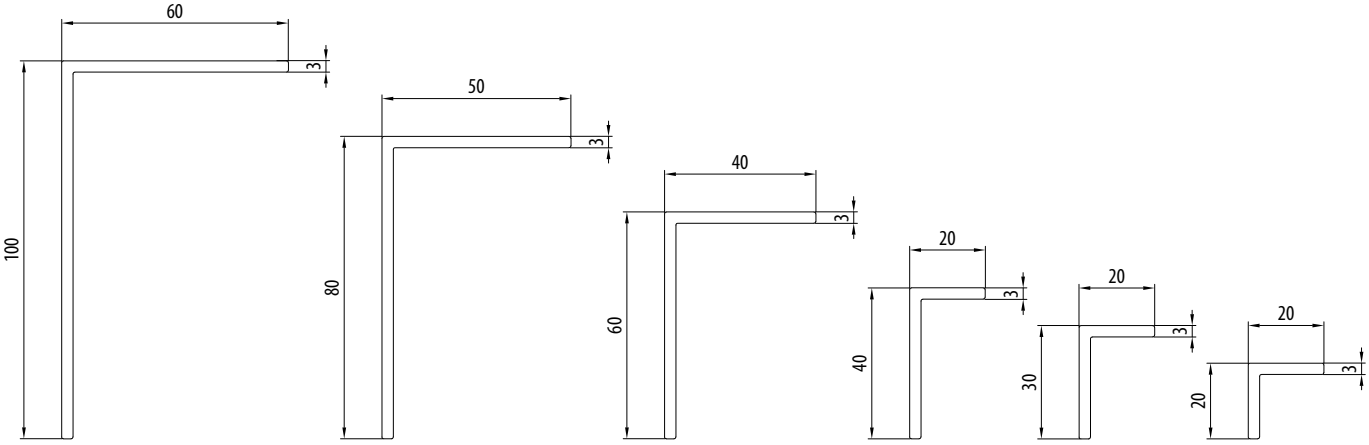
120238



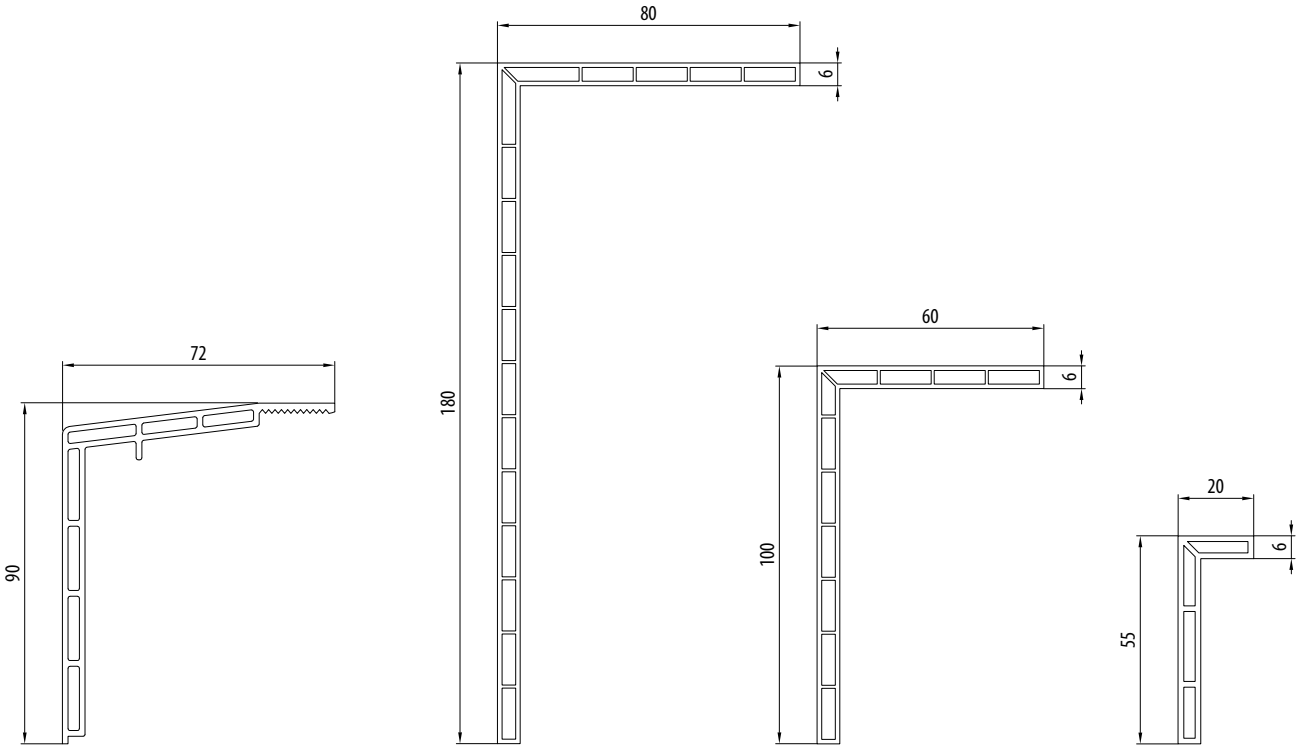
140200



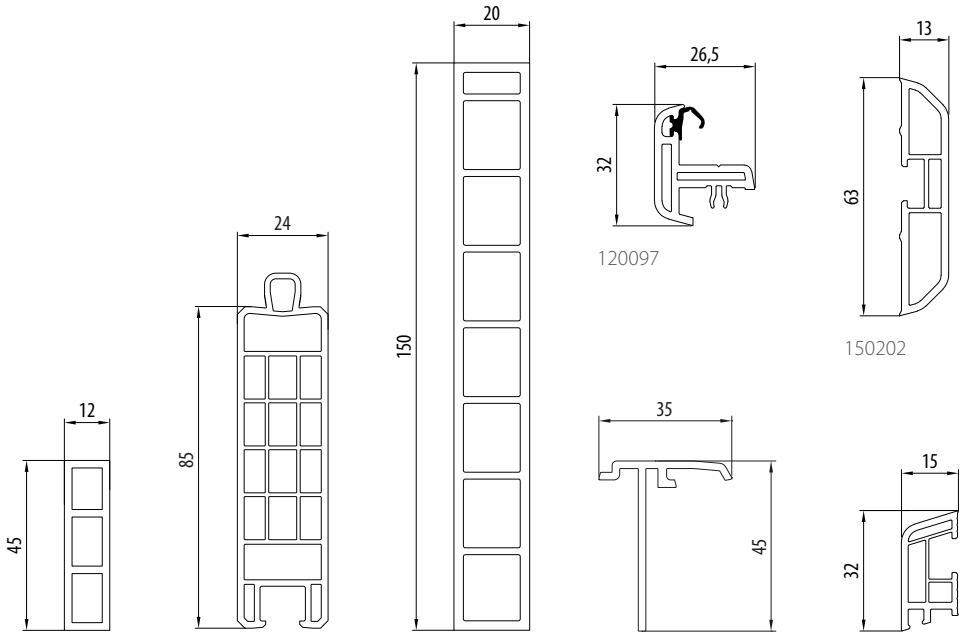
144247




73100060 73080050 73060040 120292 120291 73020020




120300 120299 120297 120284




120123 190219 120272 120097 150202 114210 140107

1:2

MENU

MENU

# SALAMANDER®

WINDOW & DOOR SYSTEMS


IDEAL 4000


ENERGETO 8000


EASYSLIDE


IDEAL 4000 NEW


IDEAL NEO AD / MD


MULTISLIDE


IDELA 5000


ENERGETO NEO


SMARTSLIDE


IDEAL 7000 NEW


MONOBLOCK


HST 85


IDEAL 7000 NL


NORDLINE


IDEAL 8000


IDEAL 70 /4000
CASEMANT

ALUPLAST

SALAMANDER



EVOLUTIONDRIVE 82



EVOLUTIONDRIVE PLUS+



EVOLUTIONDRIVE SF



BLUEVOLUTION 92



BLUEVOLUTION 82



GREENEVOLUTION FLEX

EKOSUN



EKOSUN HST



EKOSUN 70



EKOSUN 7



EKOSUN 6 NL



EKOSUN 6

GEALAN



GEALAN HST



SYSTEM



GEALAN S8000

1

2

3

4

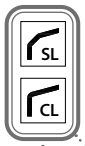
5

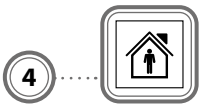
6

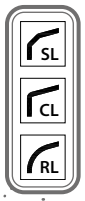
7

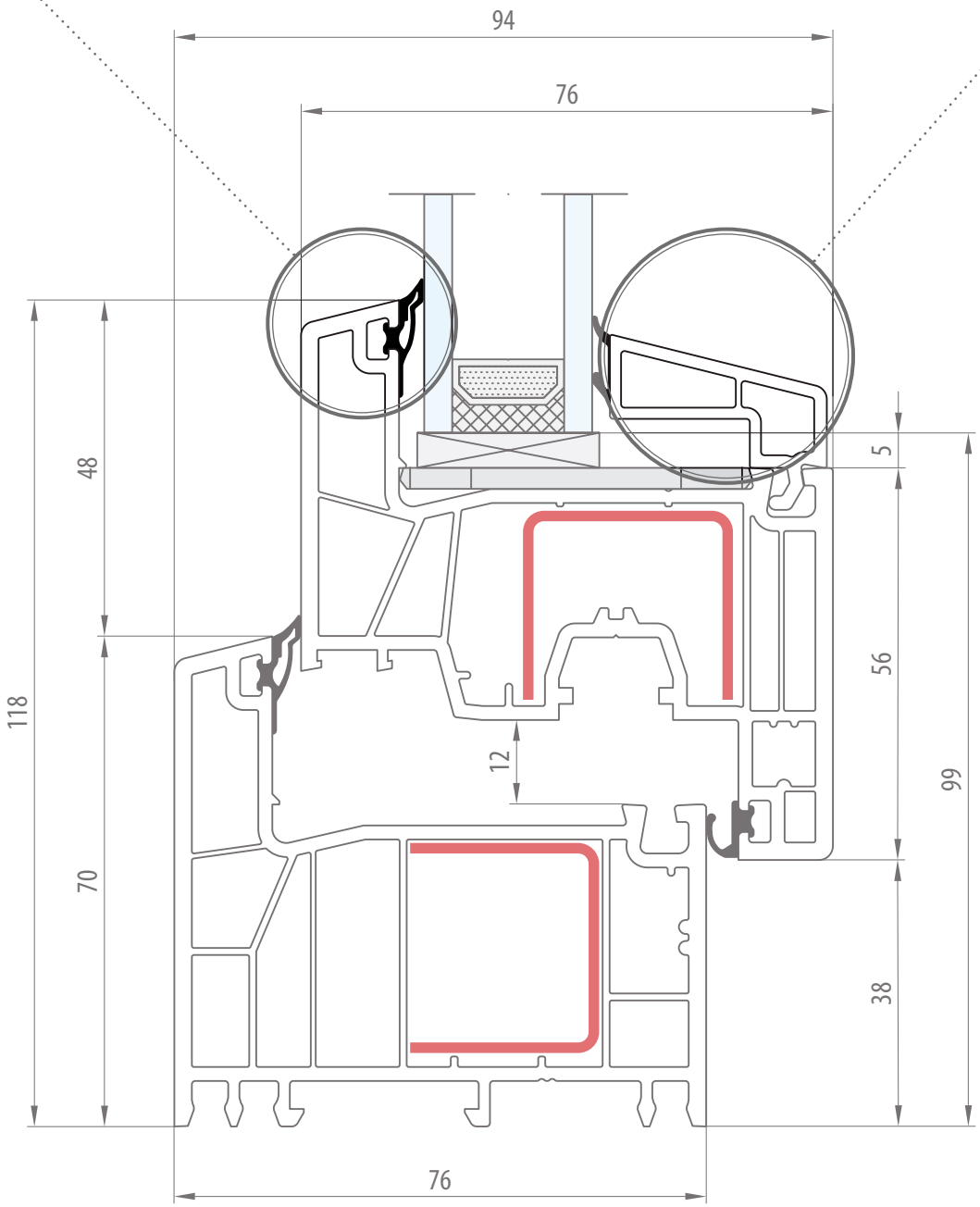
8



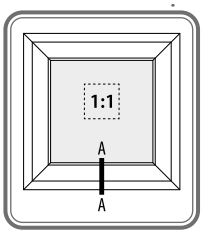





- Rama: 70 mm · Skrzydło: 80 mm
- Dormant: 70 mm · Vantail: 80 mm
- Frame: 70 mm · Sash: 80 mm
- Rahmen: 70 mm · Flügel: 80 mm
- Telaio: 70 mm · Anta: 80 mm
- Kozijn: 70 mm · Vleugel: 80 mm



# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen

**1**
- Nazwa systemu
- Nom du système
- Name of a system
- System
- Nome del sistema
- Systeem naam

**2**
- Numery profili
- Numéros de profil
- Number of profiles
- Nummern der Profile
- Numeri dei profili
- Systeem naam

**3**
- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant

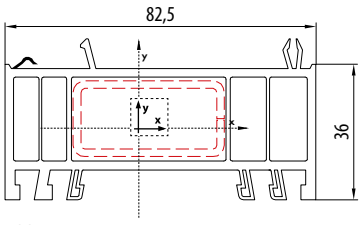
**4**
- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant

**5**
- Wykończenie zewnętrzne skrzydła
- Finition extérieure des l'ouvrant
- Finished of an external sash
- Ausführung der Innenseite es Flügels
- Finitura esterna dell'anta
- Buitenafwerking van de vleugel

**6**
- Wykończenie listwy przyszybowej
- Finition de la parclose
- Finished of a glazing bead
- Ausführung der Glasleiste
- Finitura del fermavetro
- Afwerking van glaslatten

**7**
- Opis rysunku - szerokość profili
- Description du dessin
- Description of a drawing
- Beschreibung der Zeichnung
- Descrizione del disegno
- Tekening beschrijving - profielbreedte

**8**
- Miejsce i skala przekroju
- Endroit et échelle de la coupe
- Place and scale of the cross-section
- Stelle und Skala des Querschnitts
- Luogo e scala della sezione
- Plaats en schaal van de doorsnede




12345

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 12345 | Ix 1,4 | Iy 4,1 |
| Wzmocnienie | Grubość | Kod | Moment bezwładności [cm⁴] | |
| Renforcement | Épaisseur | Code | Moment d'inertie [cm⁴] | |
| Reinforcement | Thickness | Code | Moment of inertia [cm⁴] | |
| Verstärkung | Stärke | Code | Flächenträgheitsmoment [cm⁴] | |
| Rinforzo | Spessore | Codice | Momento di inerzia [cm⁴] | |
| Versterking | Dikte | Code | Traagheidsmoment [cm⁴] | |

Przedstawiono wzmocnienia standardowe dla konstrukcji w kolorze białym o wymiarach referencyjnych.

Les renforts standard pour une structure de couleur blanche de dimension de référence ont été présentés.

Standard reinforcements for white constructions with reference dimensions are presented

Es wurden standard Verstärkungen bei weißen Elementen mit Referenzmassen dargestellt

Sono stati presentati i rinforzi standard delle costruzioni di colore bianco con dimensioni di riferimento.

Standaard verstevigingen worden gepresenteerd voor de constructie in het wit met referentiematen

# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen



- Ilość komór
- Nombre de chambres
- Number of chambers
- Anzahl Kammern
- Quantita' di camere
- Aantal kamers



- Ilość uszczelek
- Nombre de joitns
- Number of gaskets
- Anzahl Dichtungen
- Quantita' delle guarnizioni
- Aantal afdichtingen



- Głębokość zabudowy
- Profondeur de construction
- Installation depth
- Bautiefe
- Profondita' di montaggio
- Inbouwdiepte




- Max grubość wypełnienia
- Épaisseur max du vitrage
- Max filing thickness
- Maximale Stärke der Verglasung
- Massimo spessore del riempimento
- Maximale dikte van de vulling



- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant



- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant



- Rodzaj zgrzewu
- Type de soudure
- Welding type
- Art der Schweißnaht
- Tipo di saldatura
- Type van lassen




- Możliwość zamówienia profilu w klasie A
- Possibilité de commander le profilé de classe A
- It is possible to order a profile in A class
- Auch als A-Klasse-Profil erhältlich
- Possibilita' di ordinare il profilo di classe A
- Mogelijkheid om A-klasseprofiel te bestellen



- Okucie okienne
- Ferrage de fenêtre
- Window fitting
- Fenster-Beschlag
- Ferramenta di finestre
- Raambeslag



- Okucie drzwiowe
- Ferrage de porte
- Door fitting
- Tür-Beschlag
- Ferramenta di porte
- Deurbeslag




- Technologia szyby wklejanej
- Technologie de vitrage collé
- Bonded glass technology
- Glas verklebt
- Tecnologia del vetro incollato
- Technologie van gelijmd glas




- Nakładki aluminiowe
- Capotage aluminium
- Aluminium covers
- Aluschale
- Coperture in alluminio
- Aluminium afdekkingen




Qube-line




Classic-line



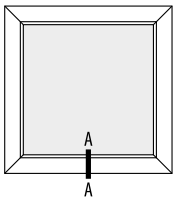

Soft-line



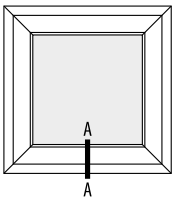

Round-line



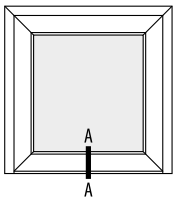

History-line



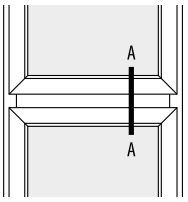

Okno ze stałym szkleniem
Fenêtre fixe
Window with a fixed glazing
Festverglasung
Finestre fisse
Raam met permanente beglazing



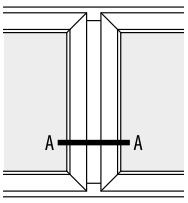

Rama - skrzydło
Dormant - Ouvrant
Frame - Sash
Rahmen - Flügel
Telaio - Anta
Kader - vleugel



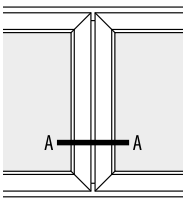

Próg - skrzydło
Seuil - Ouvrant
Threshold - Sash
Schwelle - Flügel
Soglia - Anta
Dorpel - vleugel



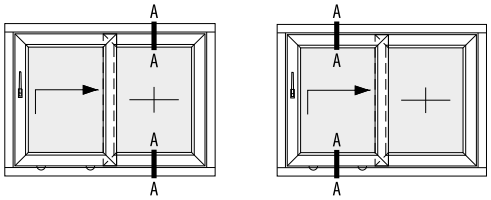

Poprzeczka
Traverse
Muntin bar
Kämpfer
Traverso
Tussenstijl



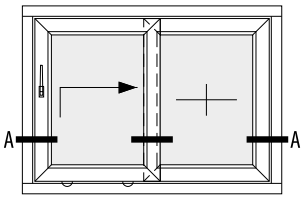

Słupek stały
Meneau fixe
Fixed post
Fester Pfosten
Montante fisso
Vaste stijl




Słupek ruchomy
Meneau mobile
Moveable post
Stulp
Montante mobile
Verplaatsbare stijl




Schemat A - przekrój pionowy
Schéma A – coupe verticale
Scheme A – vertical intersection
Schema A – Senkrechter Querschnitt
Schema A – intersezione verticale
Schema A - verticale doorsnede



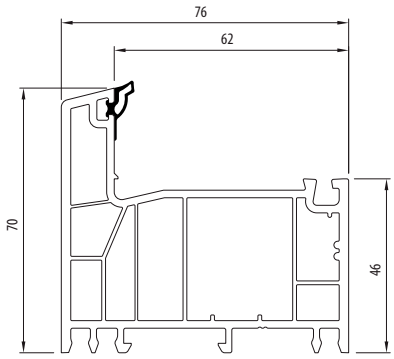

Schemat A - przekrój poziomy
Schéma A - coupe horizontale
Scheme A – horizontal intersection
Schema A – Waagerechter Querschnitt
Schema A – intersezione orizzontale
Schema A - horizontale doorsnede

# GREENEVOLUTION FLEX

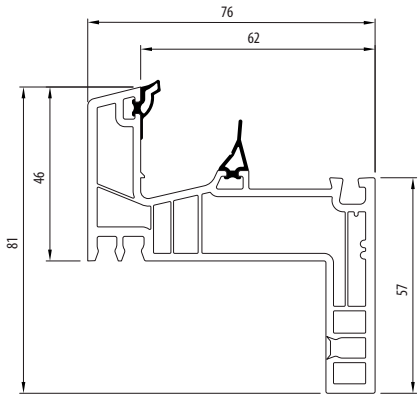


| 5 | 2/3 | 76 | 49 | V-PERFECT TECHNOLOGY | ALU |
|---|---|---|---|---|---|

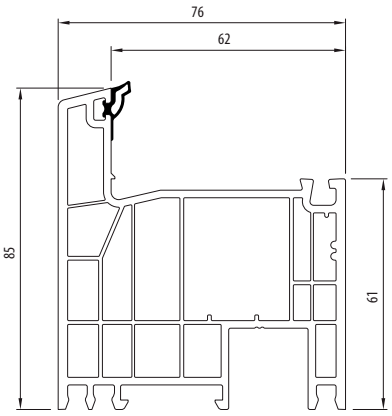




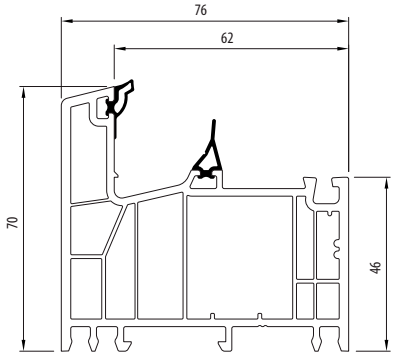

760 003



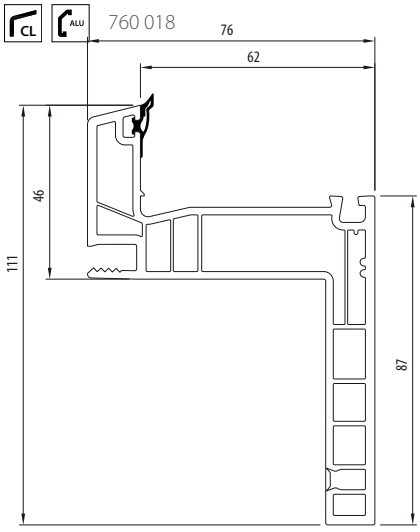

760 018



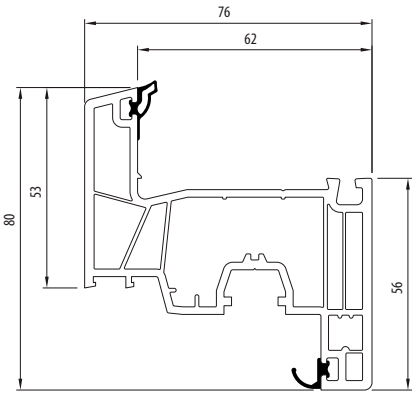

760 023



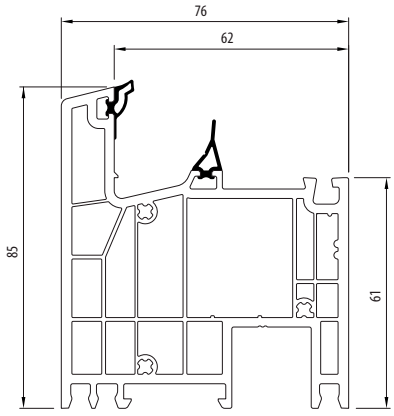

760 004



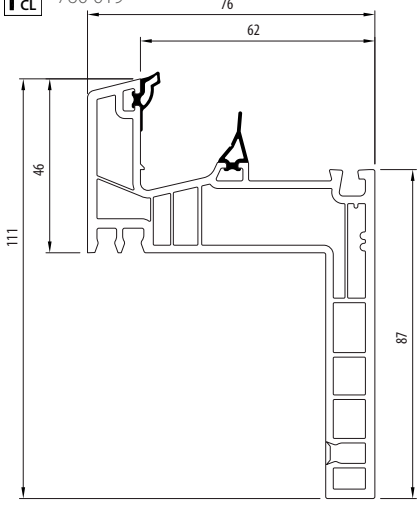

760 019



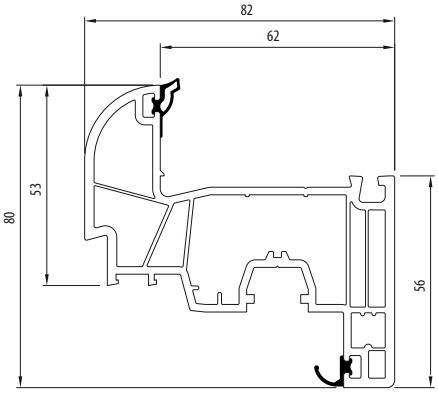

761 002



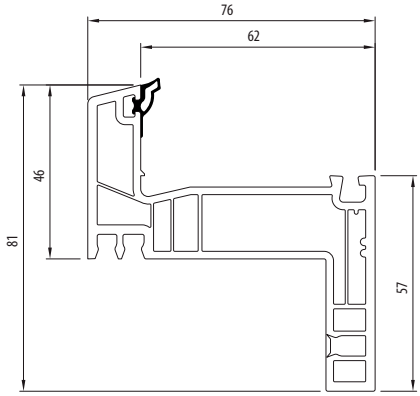

760 012



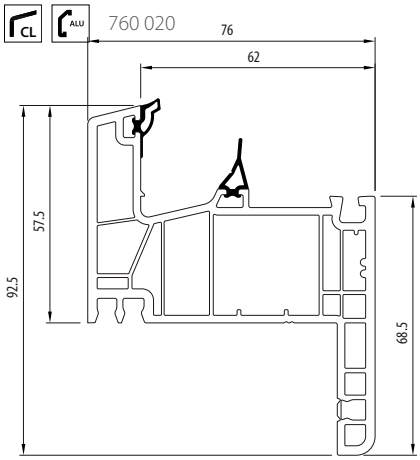

760 020



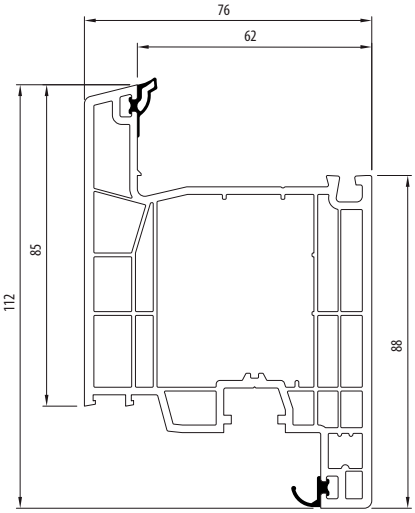

761 004




760 017

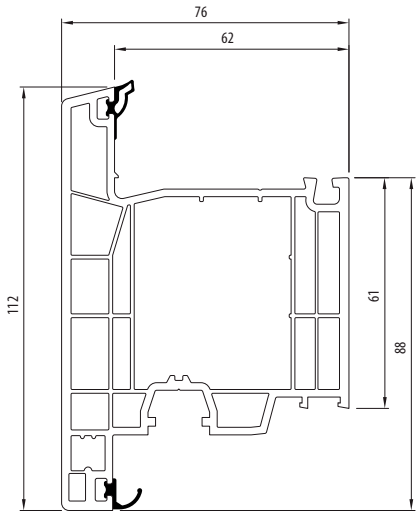



760 021

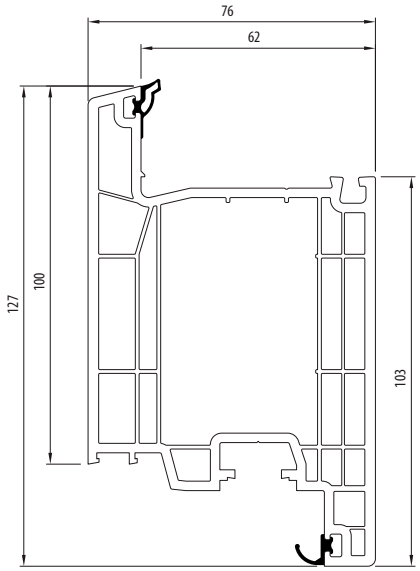



761 008

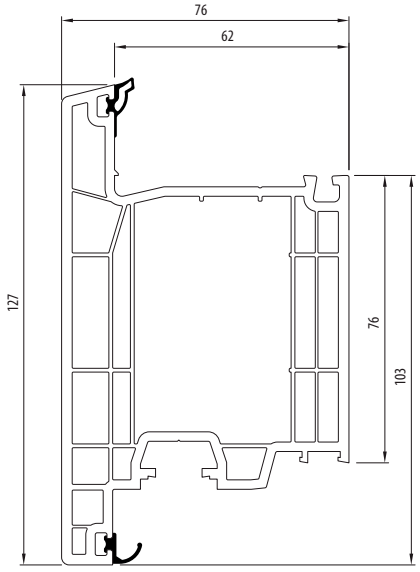
1:2



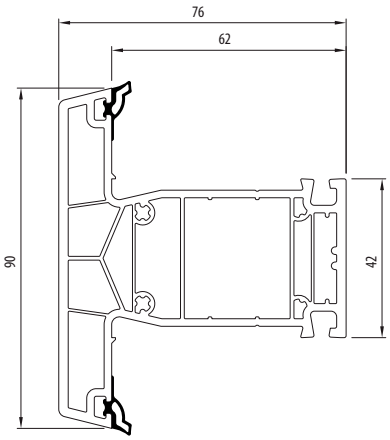

CL 761 009



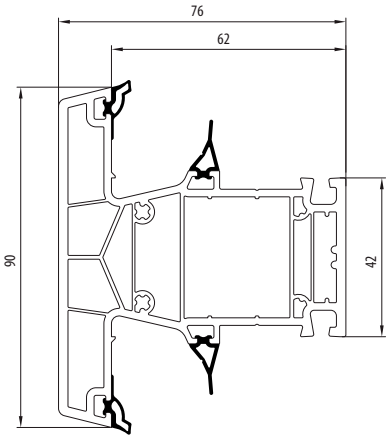

CL 761 014



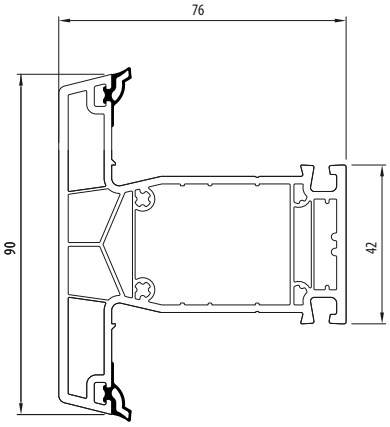

CL 761 015



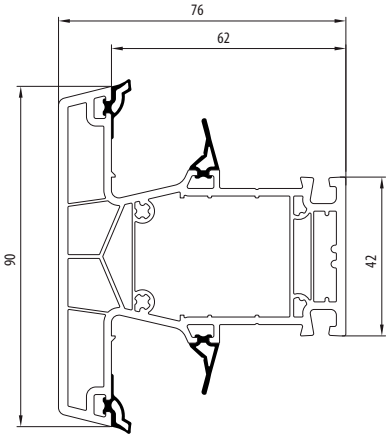

CL ALU 762 005



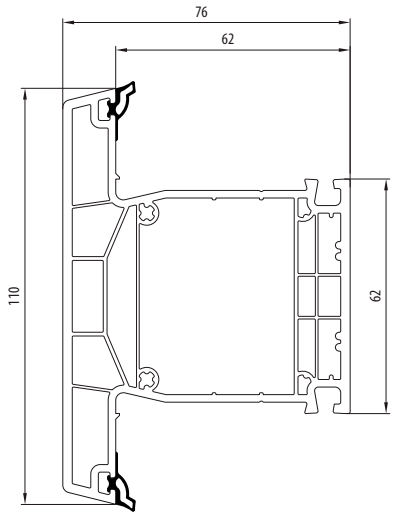

CL ALU 762 006



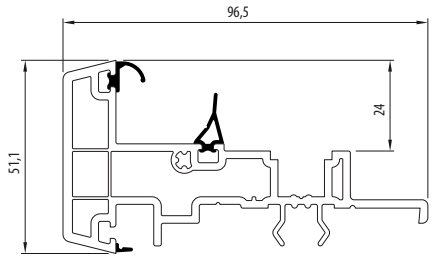

CL ALU 762 007



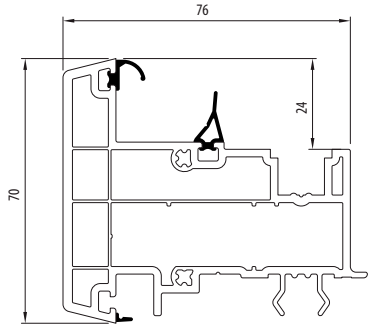

CL ALU 762 008



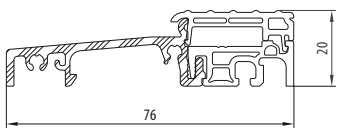

CL 762 009




CL 766 002




CL ALU 766 004

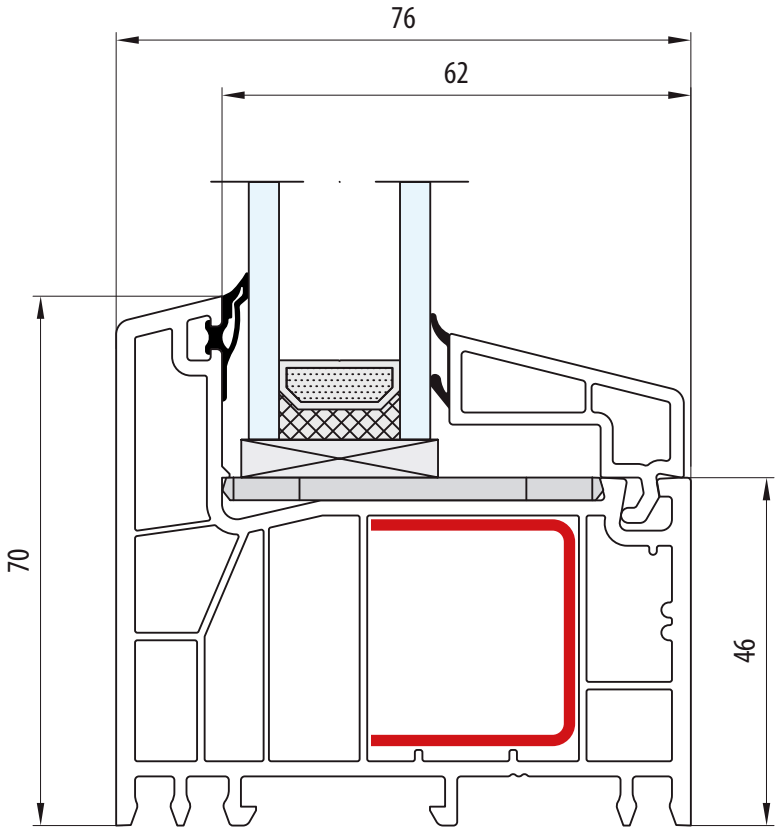



alu - 20 mm

1:2

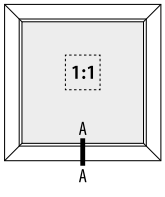
CL

SL
CL
RL
H



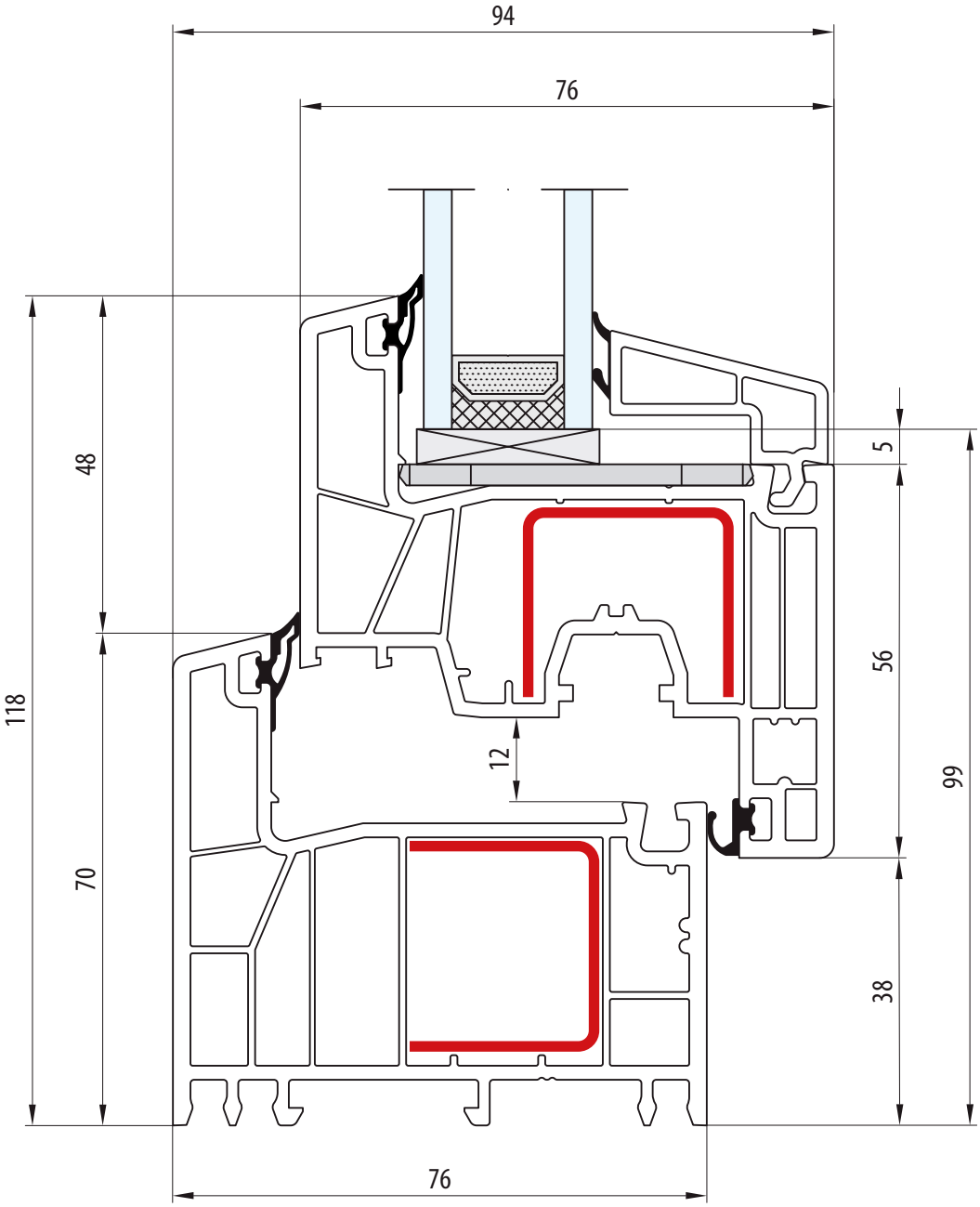

760003

Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kozijn: 70 mm

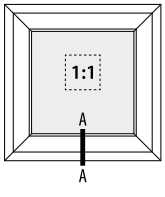


CL

SL
CL
RL
H

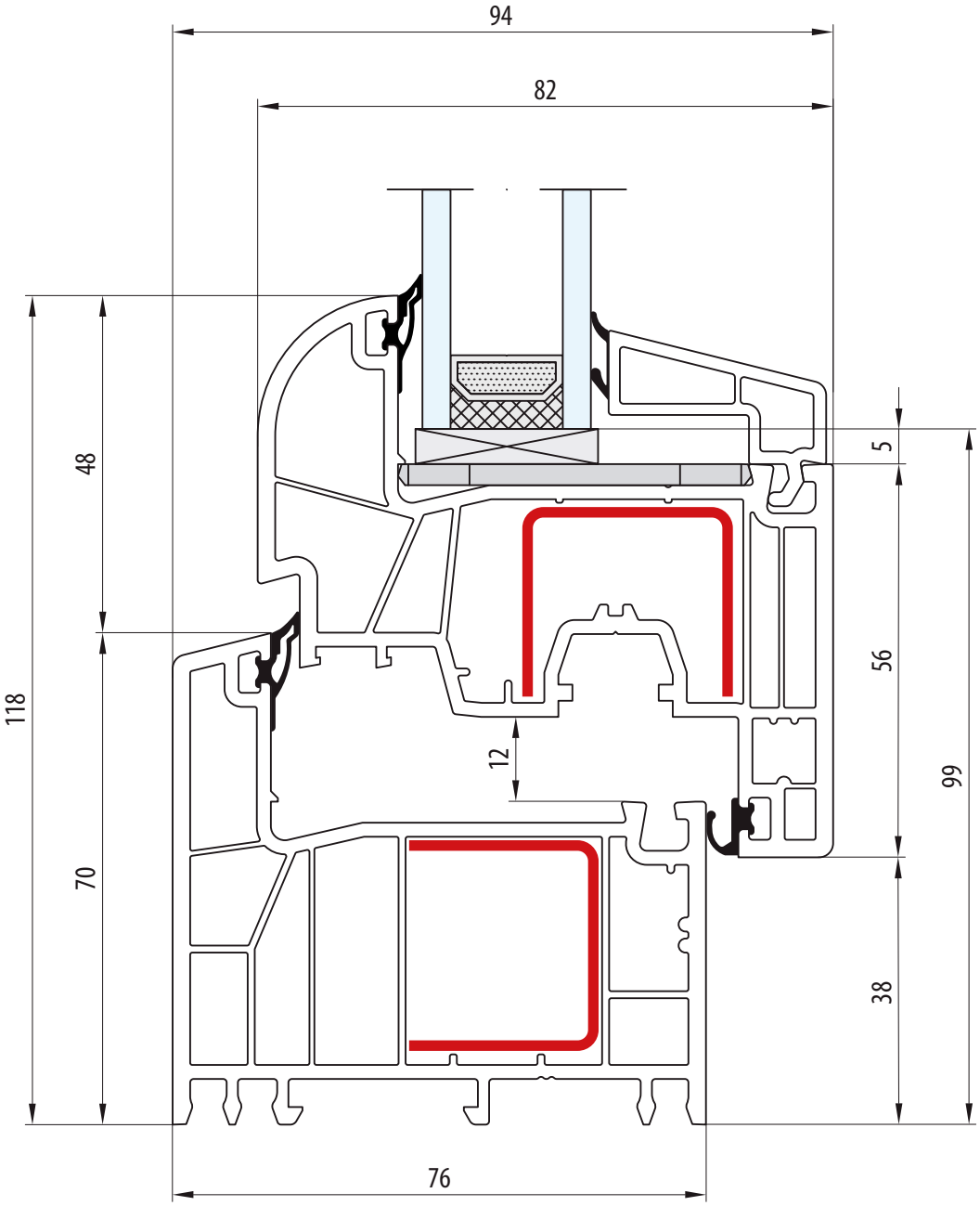



Rama: 70 mm · Skrzydło: 80 mm
Dormant: 70 mm · Vantail: 80 mm
Frame: 70 mm · Sash: 80 mm
Rahmen: 70 mm · Flügel: 80 mm
Telaio: 70 mm · Anta: 80 mm
Kozijn: 70 mm · Vleugel: 80 mm

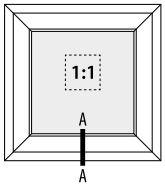


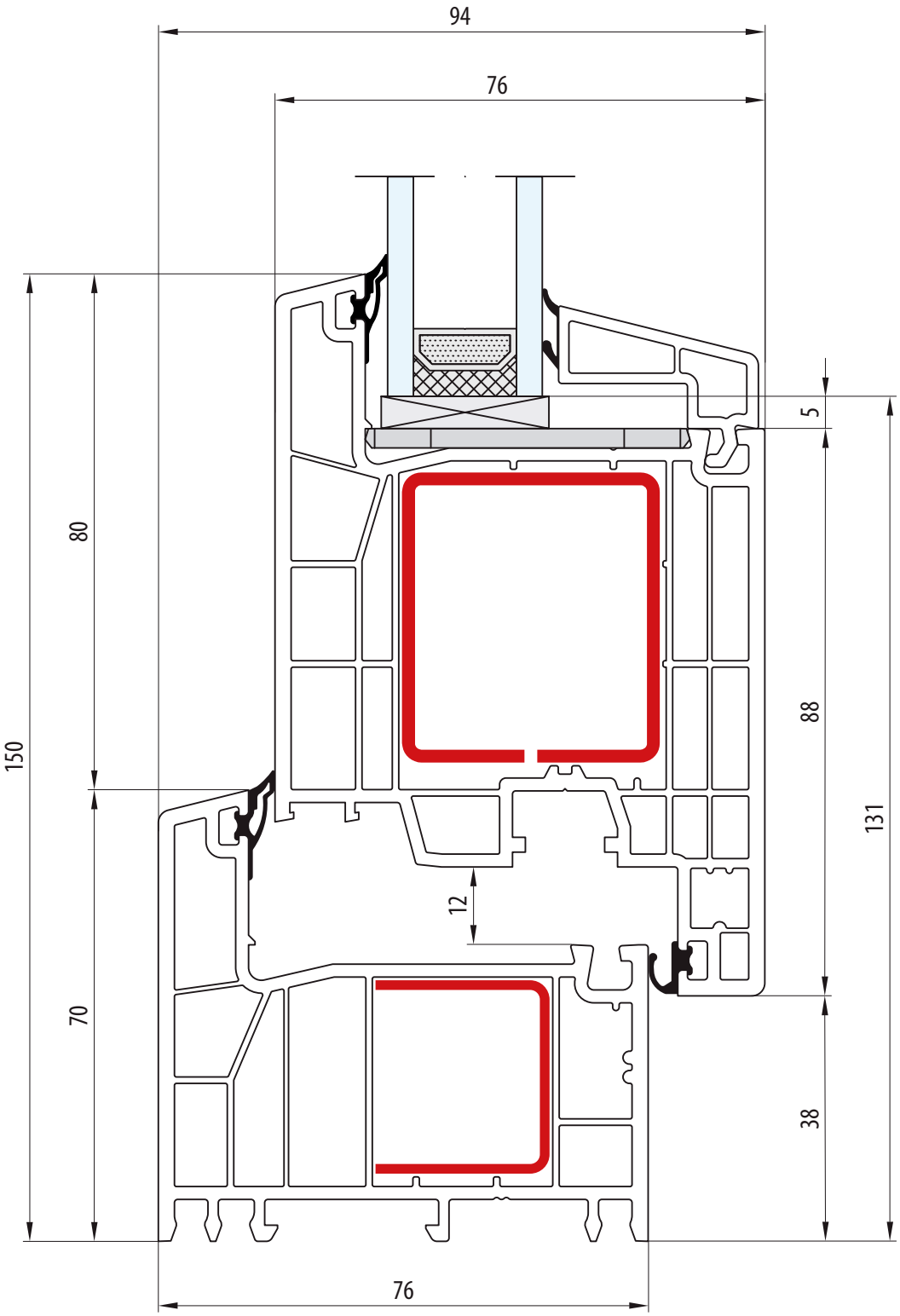
RL

SL
CL
RL
H

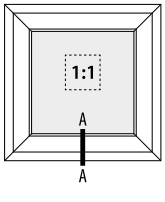



Rama: 70 mm · Skrzydło: 80 mm
Dormant: 70 mm · Vantail: 80 mm
Frame: 70 mm · Sash: 80 mm
Rahmen: 70 mm · Flügel: 80 mm
Telaio: 70 mm · Anta: 80 mm
Kozijn: 70 mm · Vleugel: 80 mm



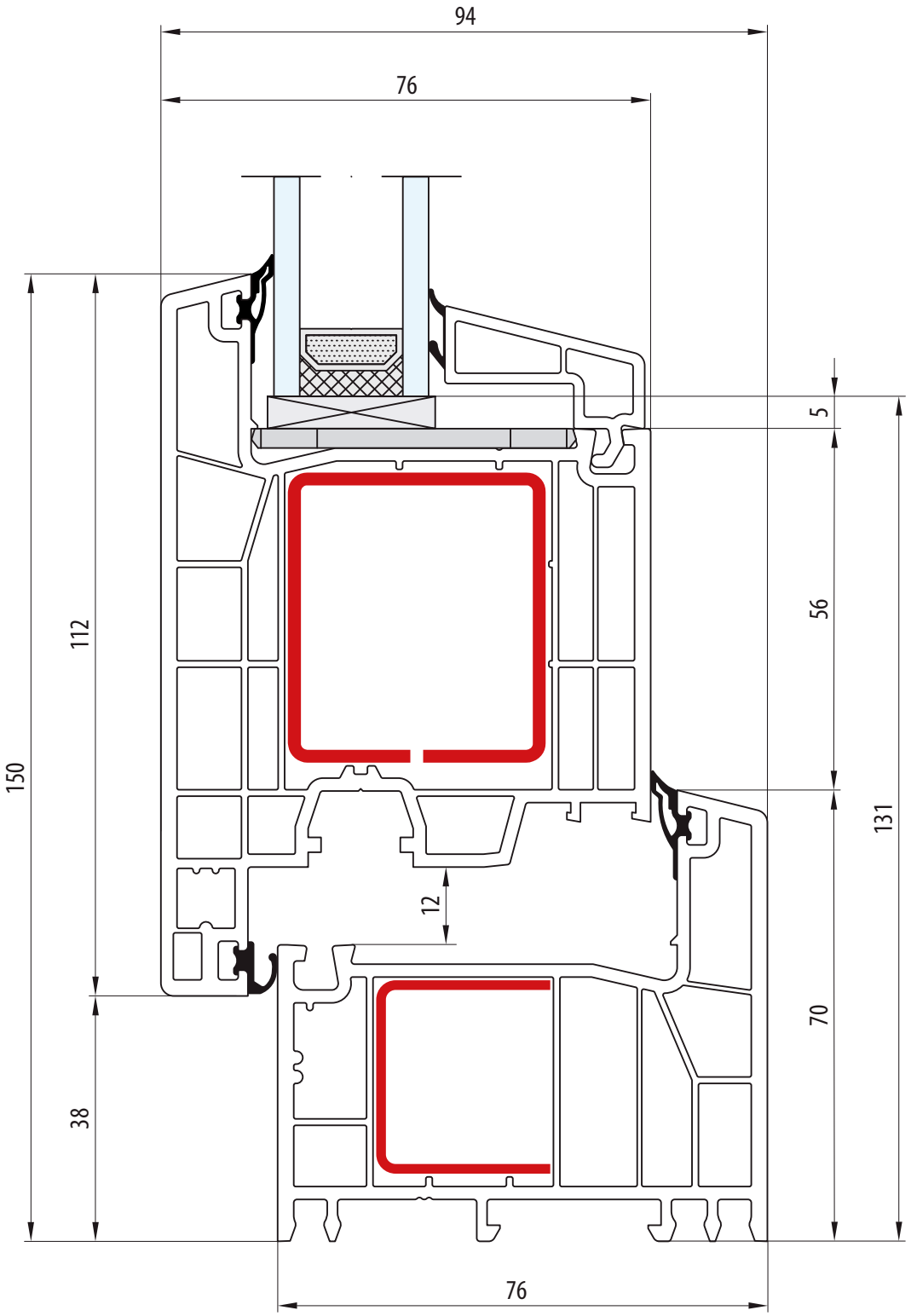



- Rama: 70 mm · Skrzydło: 112 mm
- Dormant: 70 mm · Vantail: 112 mm
- Frame: 70 mm · Sash: 112 mm
- Rahmen: 70 mm · Flügel: 112 mm
- Telaio: 70 mm · Anta: 112 mm
- Kozijn: 70 mm · Vleugel: 112 mm

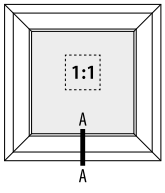


CL

SL CL RL H

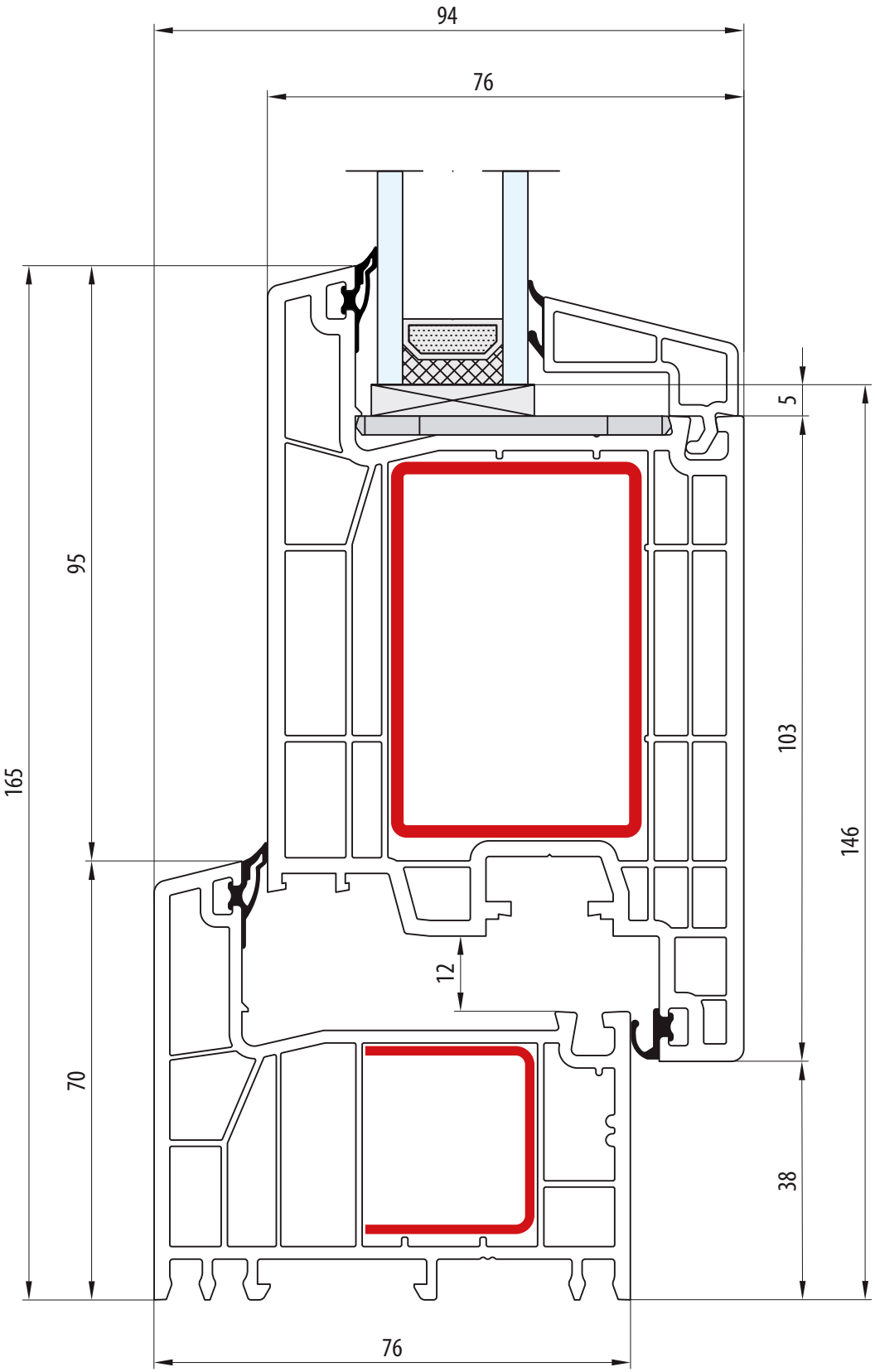



- Rama: 70 mm · Skrzydło: 112 mm
- Dormant: 70 mm · Vantail: 112 mm
- Frame: 70 mm · Sash: 112 mm
- Rahmen: 70 mm · Flügel: 112 mm
- Telaio: 70 mm · Anta: 112 mm
- Kozijn: 70 mm · Vleugel: 112 mm

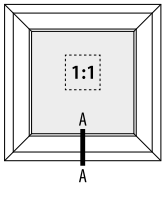


CL

SL CL RL H

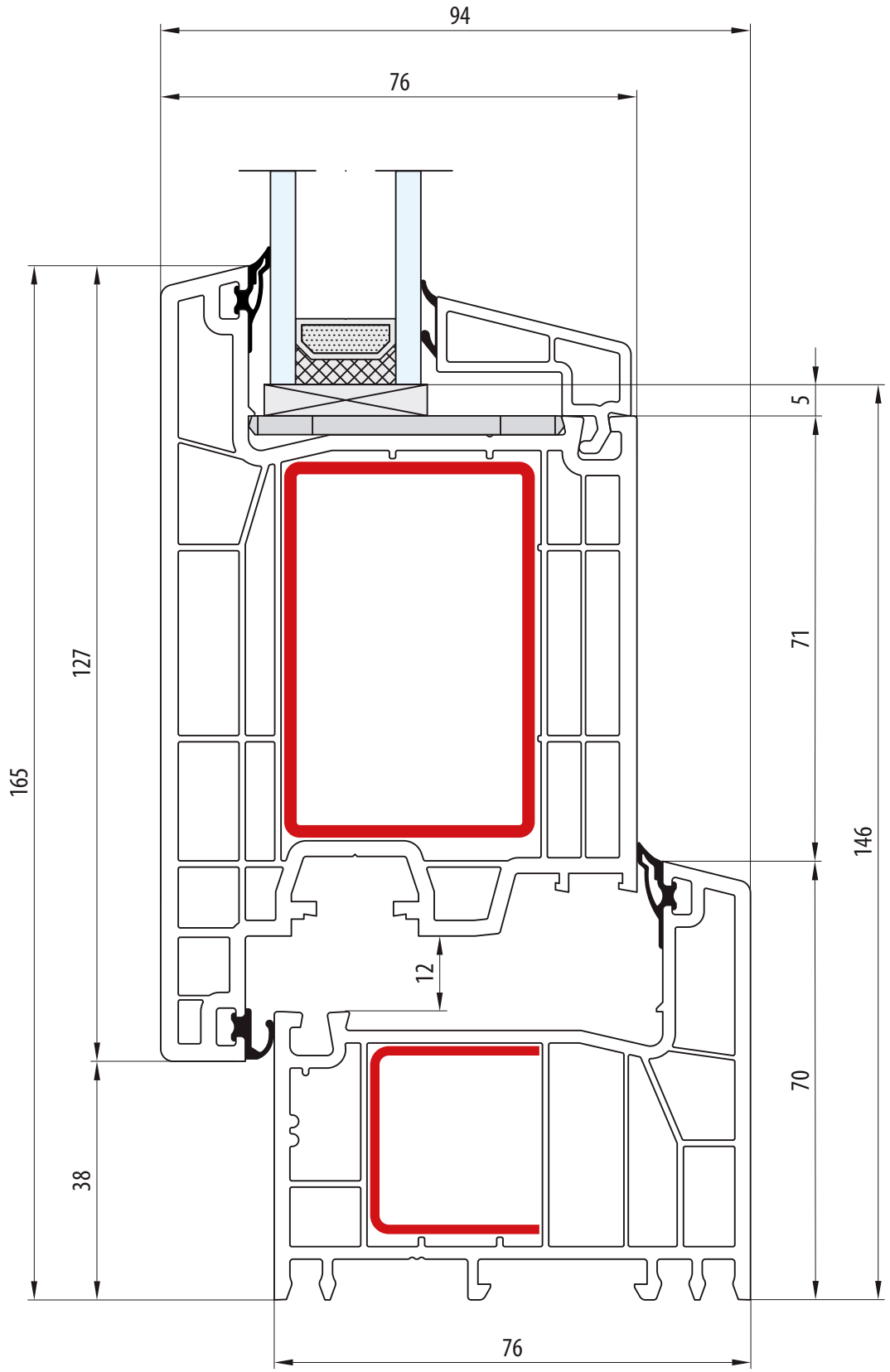



- Rama: 70 mm · Skrzydło: 127 mm
- Dormant: 70 mm · Vantail: 127 mm
- Frame: 70 mm · Sash: 127 mm
- Rahmen: 70 mm · Flügel: 127 mm
- Telaio: 70 mm · Anta: 127 mm
- Kozijn: 70 mm · Vleugel: 127 mm

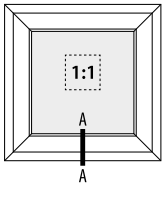


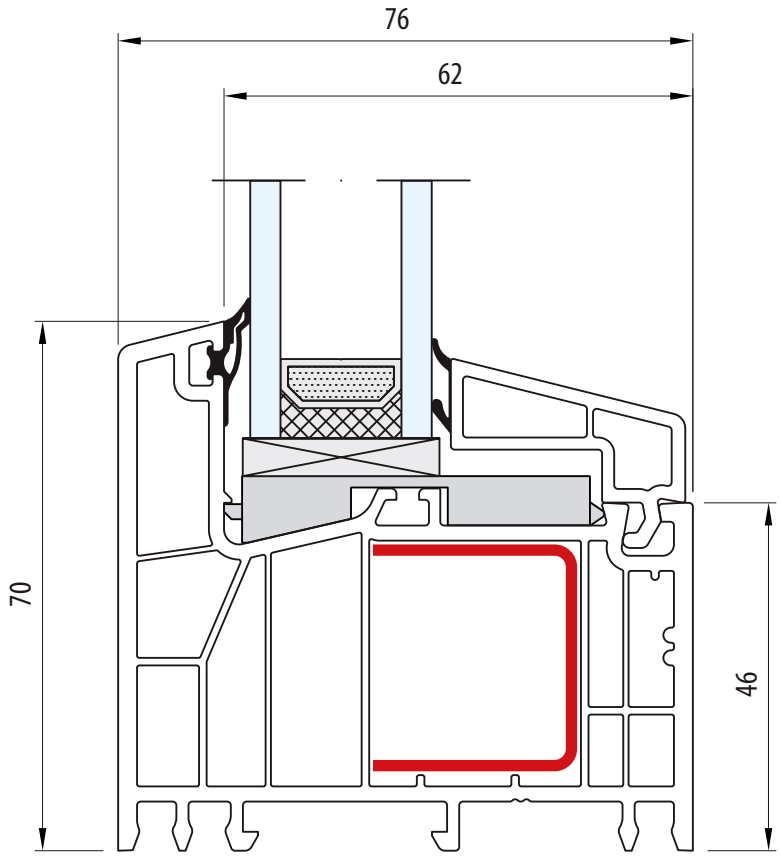
CL

SL
CL
RL
H

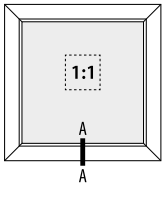



Rama: 68 mm · Skrzydło: 130 mm
Dormant: 68 mm · Vantail: 130 mm
Frame: 68 mm · Sash: 130 mm
Rahmen: 68 mm · Flügel: 130 mm
Telaio: 68 mm · Anta: 130 mm
Kozijn: 68 mm · Vleugel: 130 mm



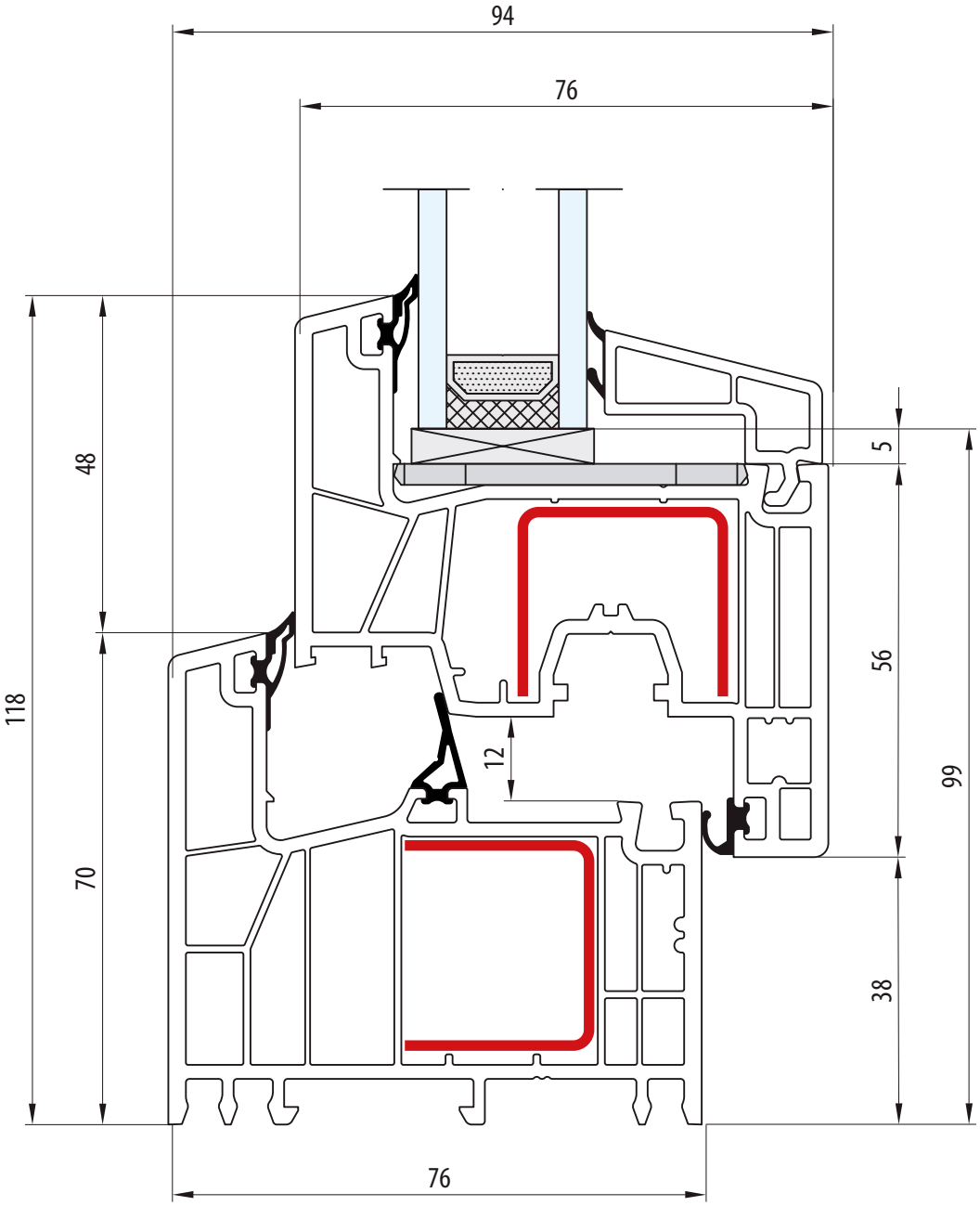



- Rama: 70 mm
- Dormant: 70 mm
- Frame: 70 mm
- Rahmen: 70 mm
- Telaio: 70 mm
- Kozijn: 70 mm

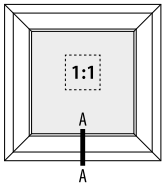


CL

SL
CL
RL
H

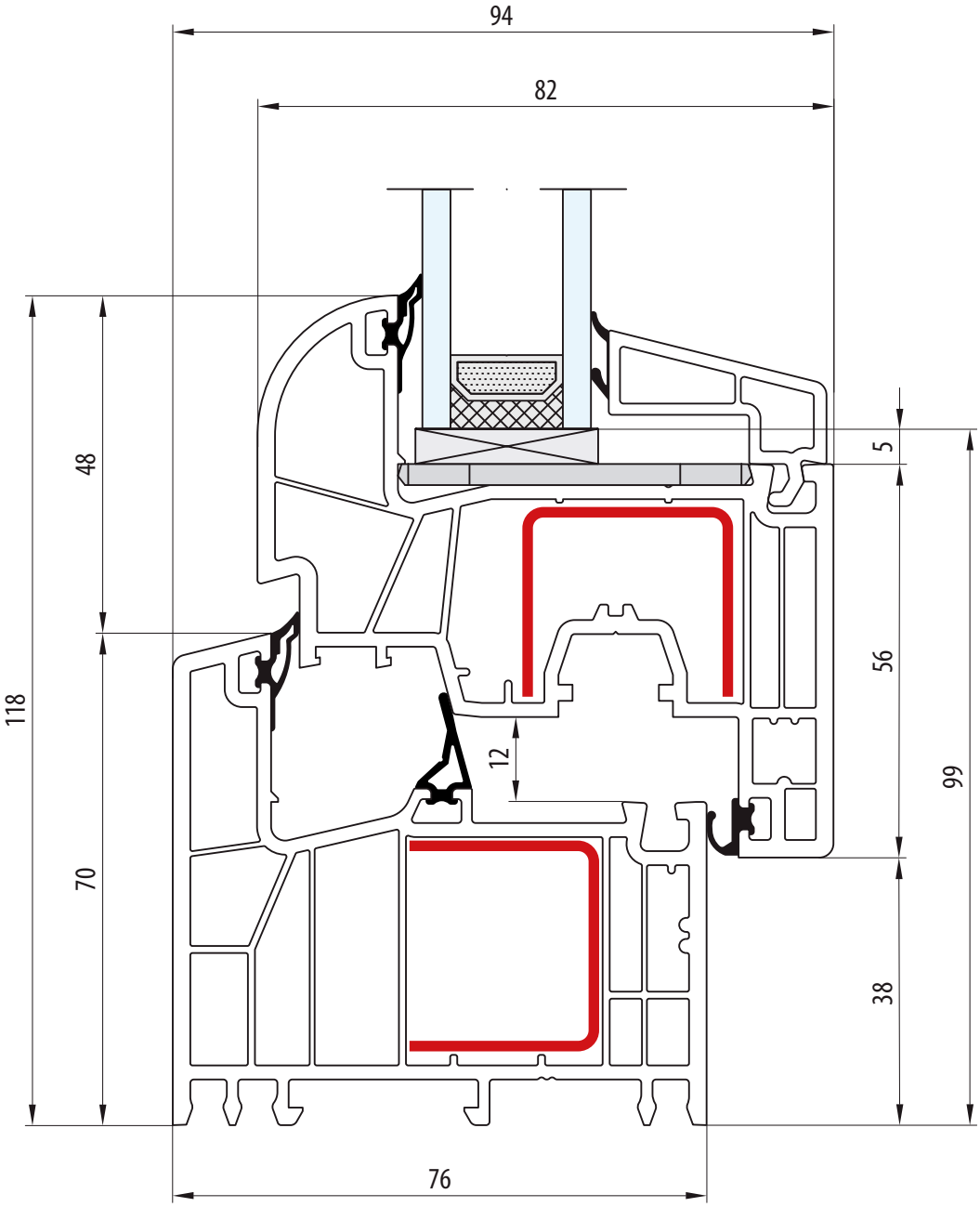



- Rama: 70 mm · Skrzydło: 80 mm
- Dormant: 70 mm · Vantail: 80 mm
- Frame: 70 mm · Sash: 80 mm
- Rahmen: 70 mm · Flügel: 80 mm
- Telaio: 70 mm · Anta: 80 mm
- Kozijn: 70 mm · Vleugel: 80 mm

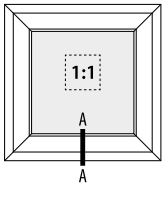


RL

SL CL RL H

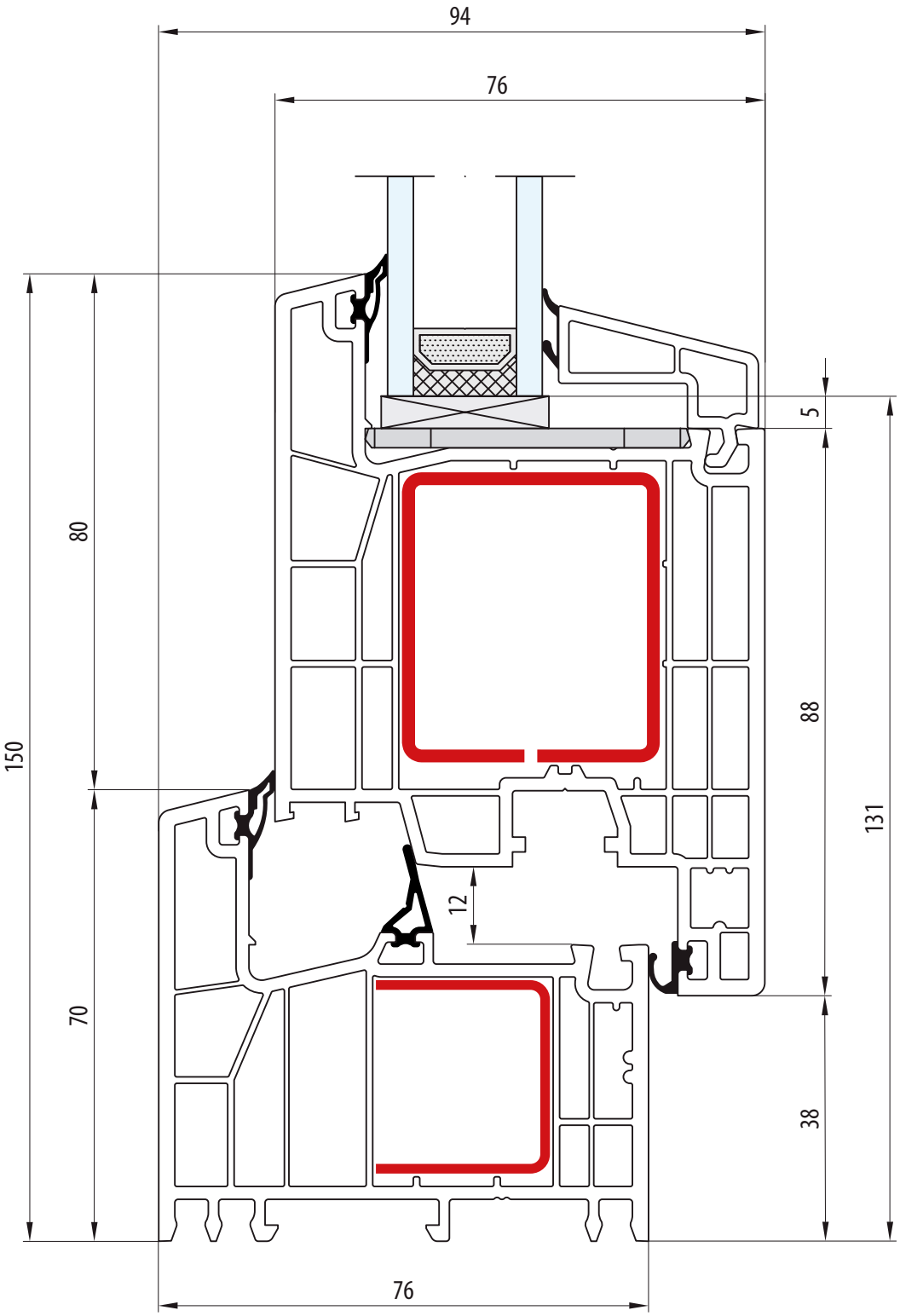



- Rama: 70 mm · Skrzydło: 80 mm
- Dormant: 70 mm · Vantail: 80 mm
- Frame: 70 mm · Sash: 80 mm
- Rahmen: 70 mm · Flügel: 80 mm
- Telaio: 70 mm · Anta: 80 mm
- Kozijn: 70 mm · Vleugel: 80 mm

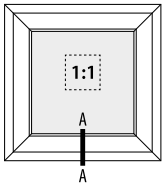


CL

SL
CL
RL
H

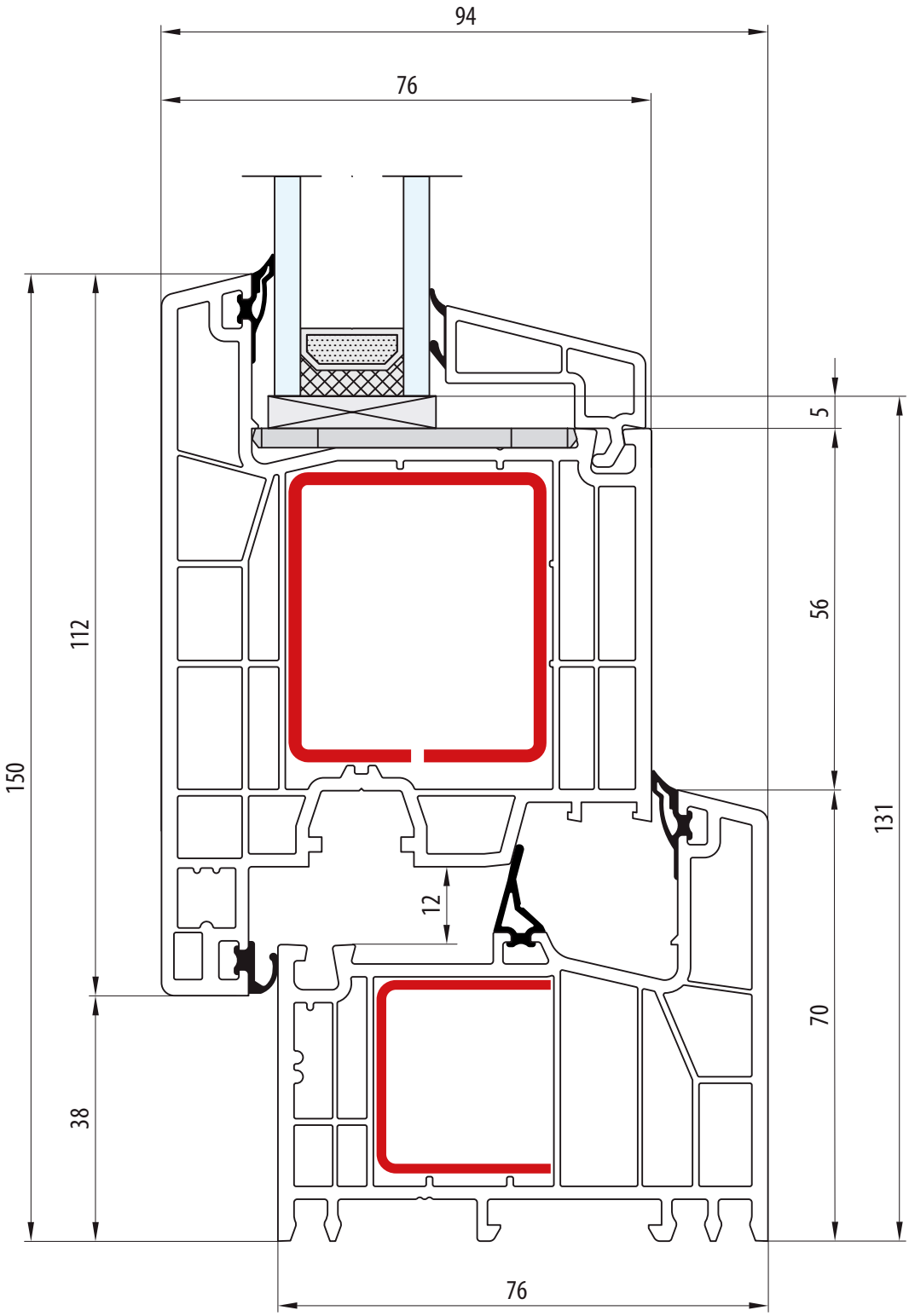



Rama: 70 mm · Skrzydło: 112 mm
Dormant: 70 mm · Vantail: 112 mm
Frame: 70 mm · Sash: 112 mm
Rahmen: 70 mm · Flügel: 112 mm
Telaio: 70 mm · Anta: 112 mm
Kozijn: 70 mm · Vleugel: 112 mm

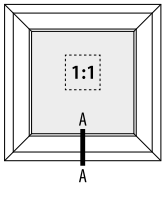


CL

SL CL RL H

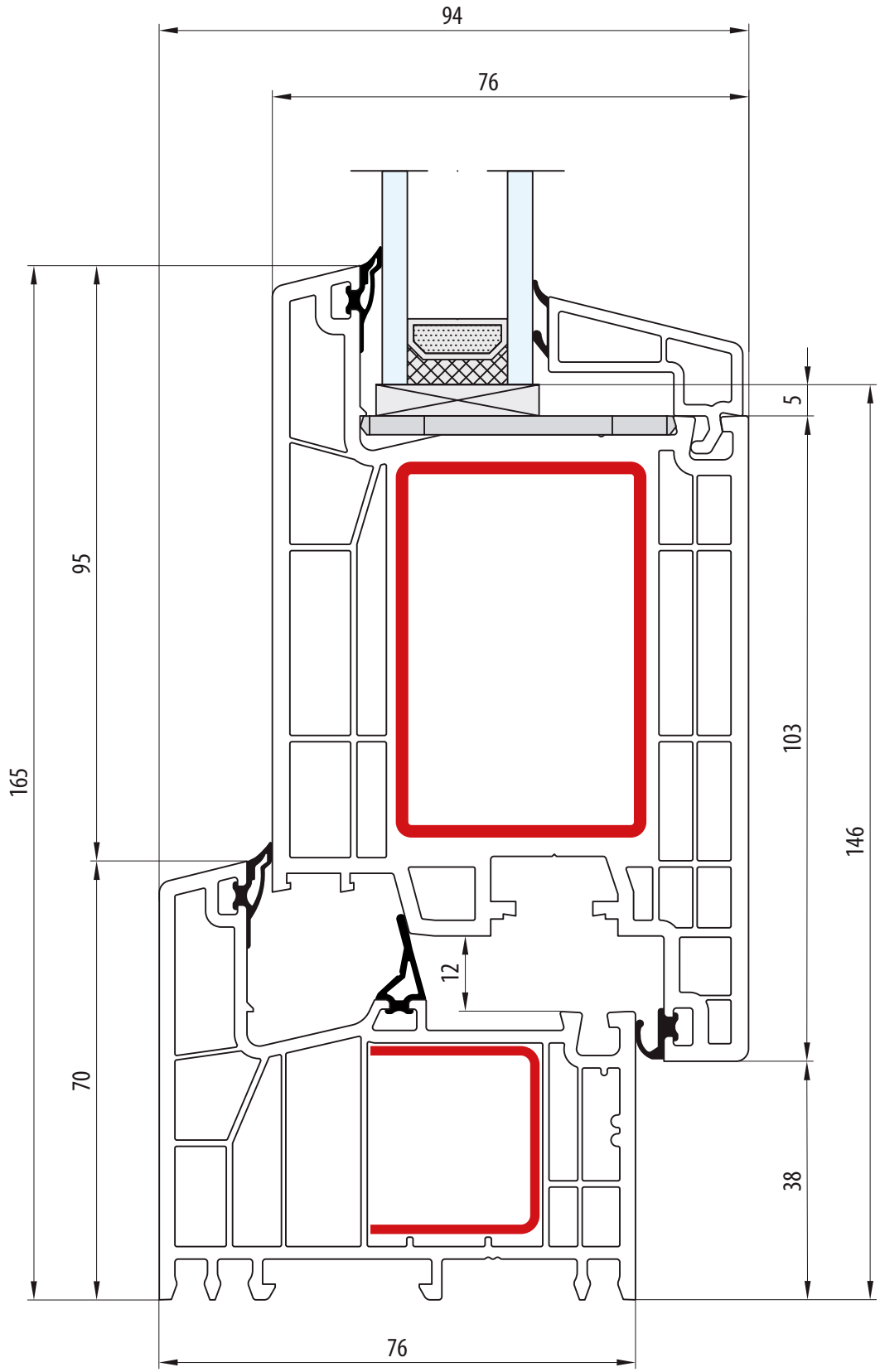



- Rama: 70 mm · Skrzydło: 112 mm
- Dormant: 70 mm · Vantail: 112 mm
- Frame: 70 mm · Sash: 112 mm
- Rahmen: 70 mm · Flügel: 112 mm
- Telaio: 70 mm · Anta: 112 mm
- Kozijn: 70 mm · Vleugel: 112 mm

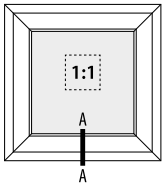


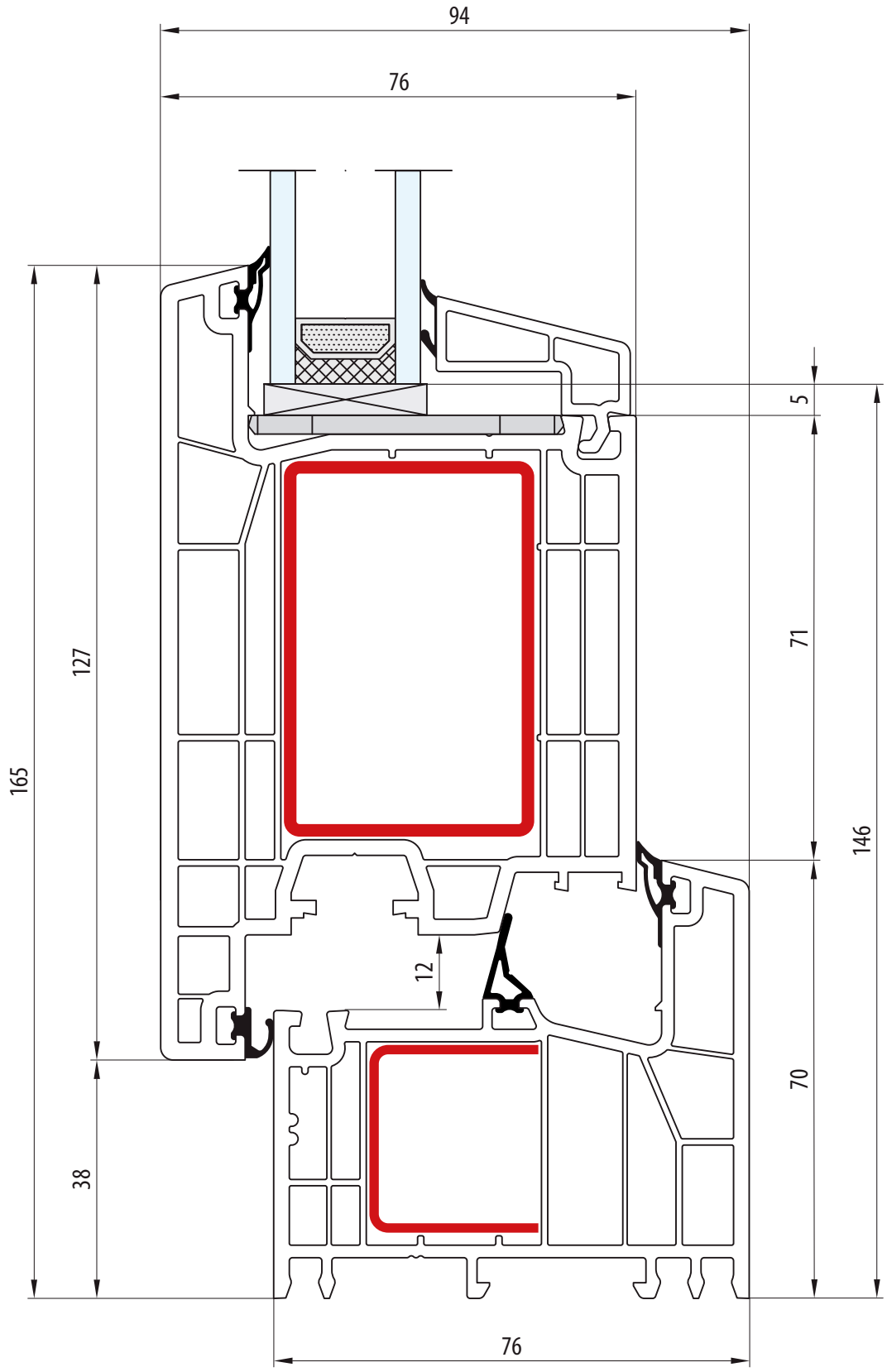
CL

SL
CL
RL
H

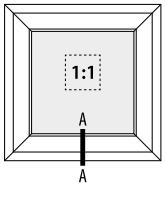


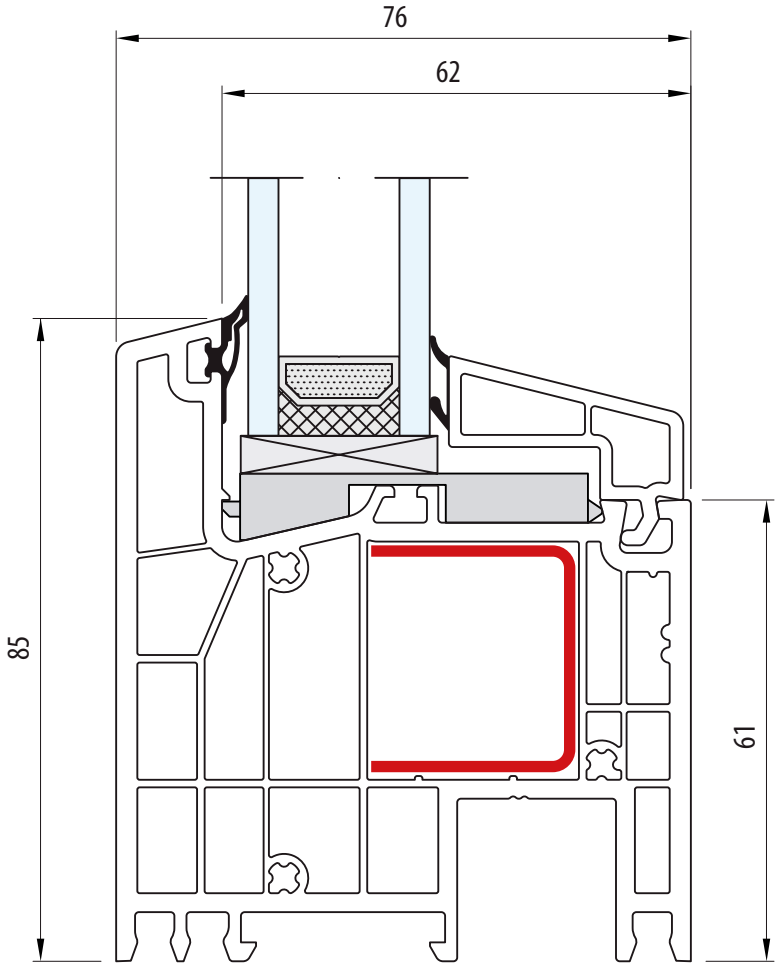

Rama: 70 mm · Skrzydło: 127 mm
Dormant: 70 mm · Vantail: 127 mm
Frame: 70 mm · Sash: 127 mm
Rahmen: 70 mm · Flügel: 127 mm
Telaio: 70 mm · Anta: 127 mm
Kozijn: 70 mm · Vleugel: 127 mm



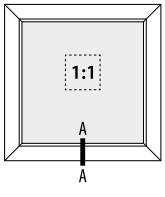


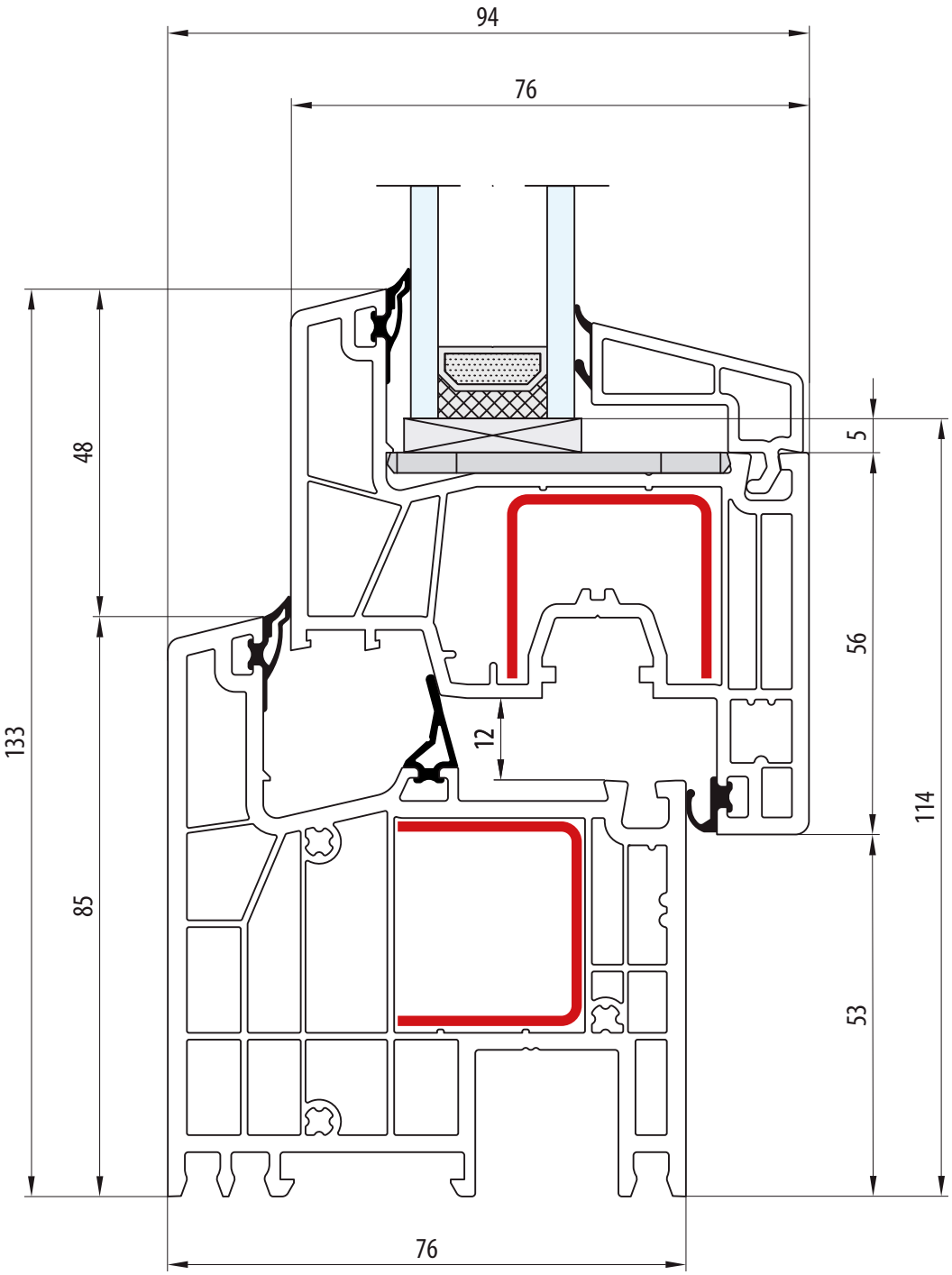

- Rama: 70 mm · Skrzydło: 127 mm
- Dormant: 70 mm · Vantail: 127 mm
- Frame: 70 mm · Sash: 127 mm
- Rahmen: 70 mm · Flügel: 127 mm
- Telaio: 70 mm · Anta: 127 mm
- Kozijn: 70 mm · Vleugel: 127 mm



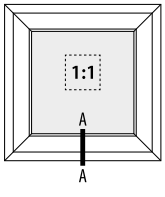


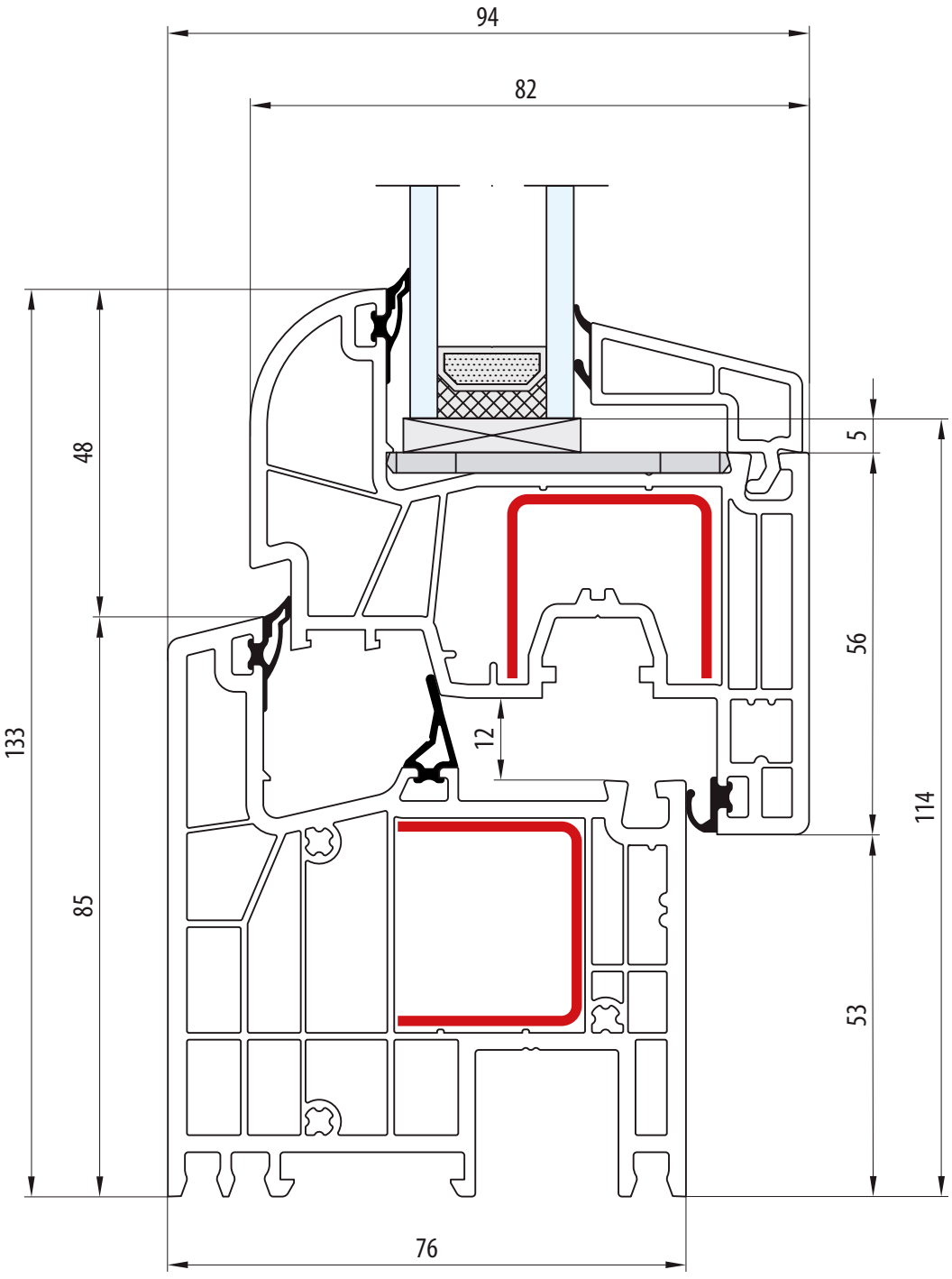

- Rama: 85 mm
- Dormant: 85 mm
- Frame: 85 mm
- Rahmen: 85 mm
- Telaio: 85 mm
- Kozijn: 85 mm



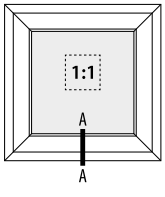


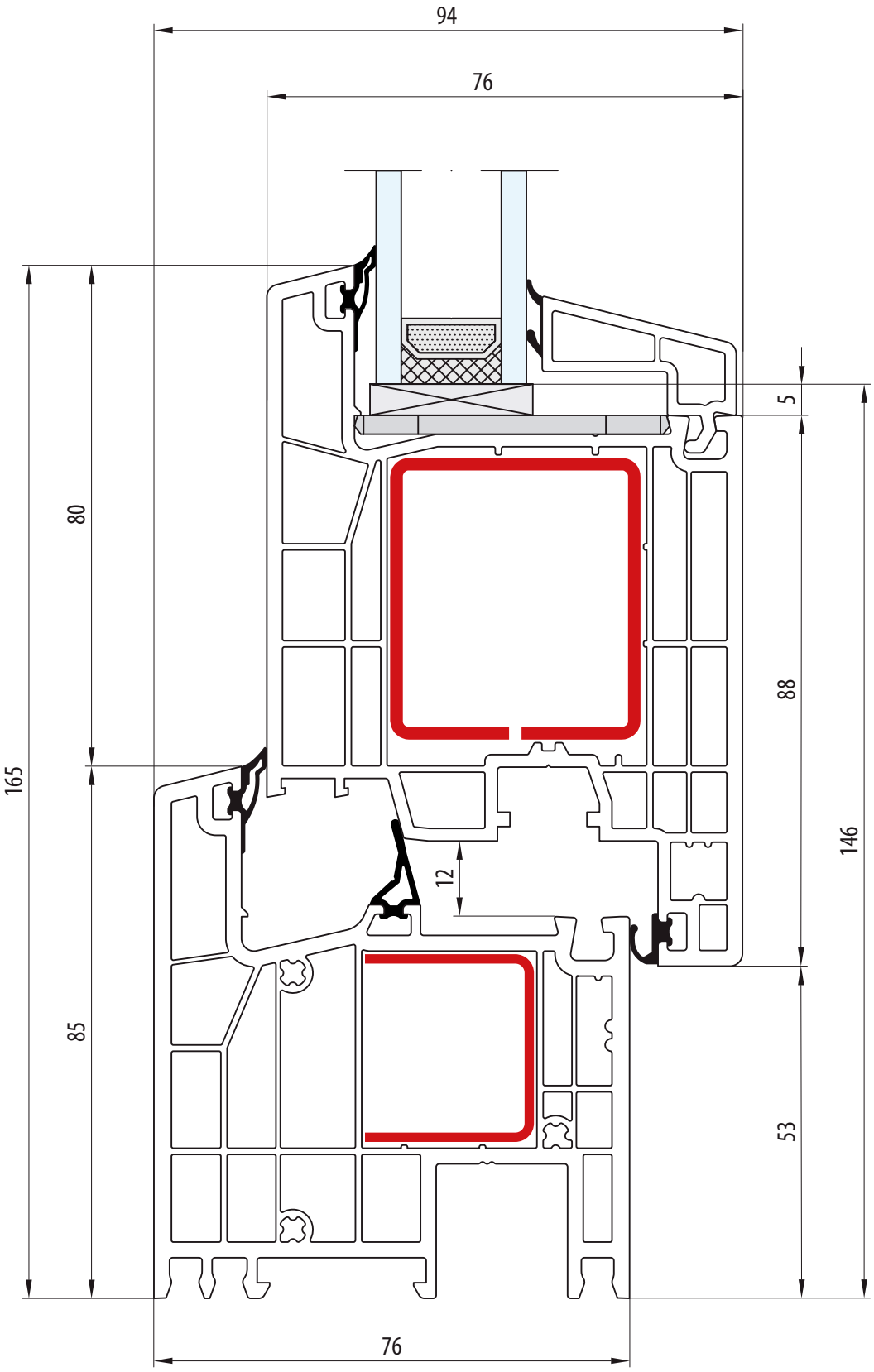

- Rama: 85 mm · Skrzydło: 80 mm
- Dormant: 85 mm · Vantail: 80 mm
- Frame: 85 mm · Sash: 80 mm
- Rahmen: 85 mm · Flügel: 80 mm
- Telaio: 85 mm · Anta: 80 mm
- Kozijn: 85 mm · Vleugel: 80 mm



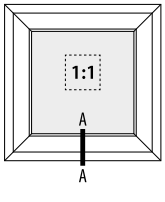


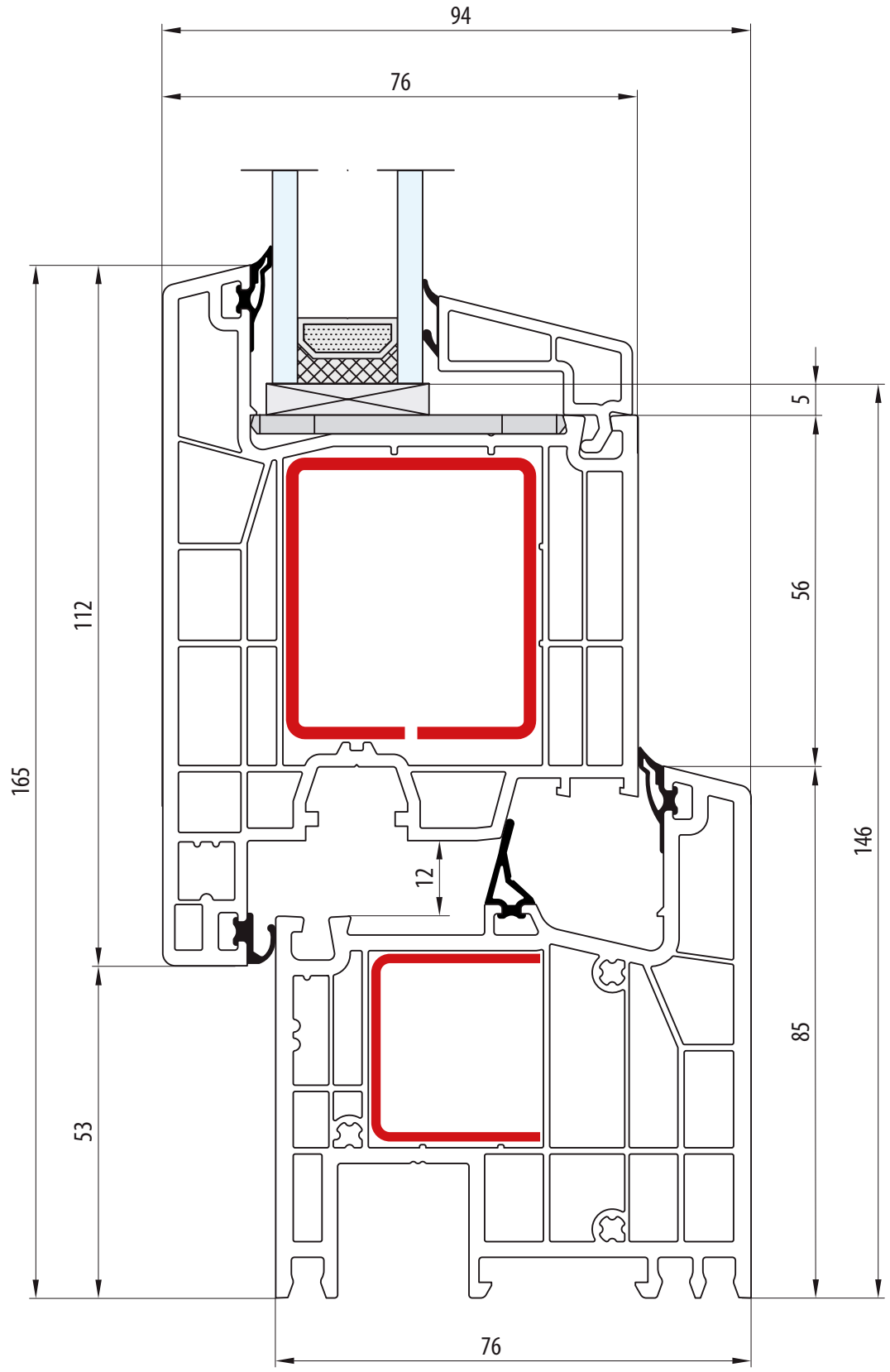

- Rama: 85 mm · Skrzydło: 80 mm
- Dormant: 85 mm · Vantail: 80 mm
- Frame: 85 mm · Sash: 80 mm
- Rahmen: 85 mm · Flügel: 80 mm
- Telaio: 85 mm · Anta: 80 mm
- Kozijn: 85 mm · Vleugel: 80 mm



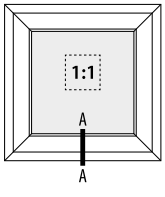


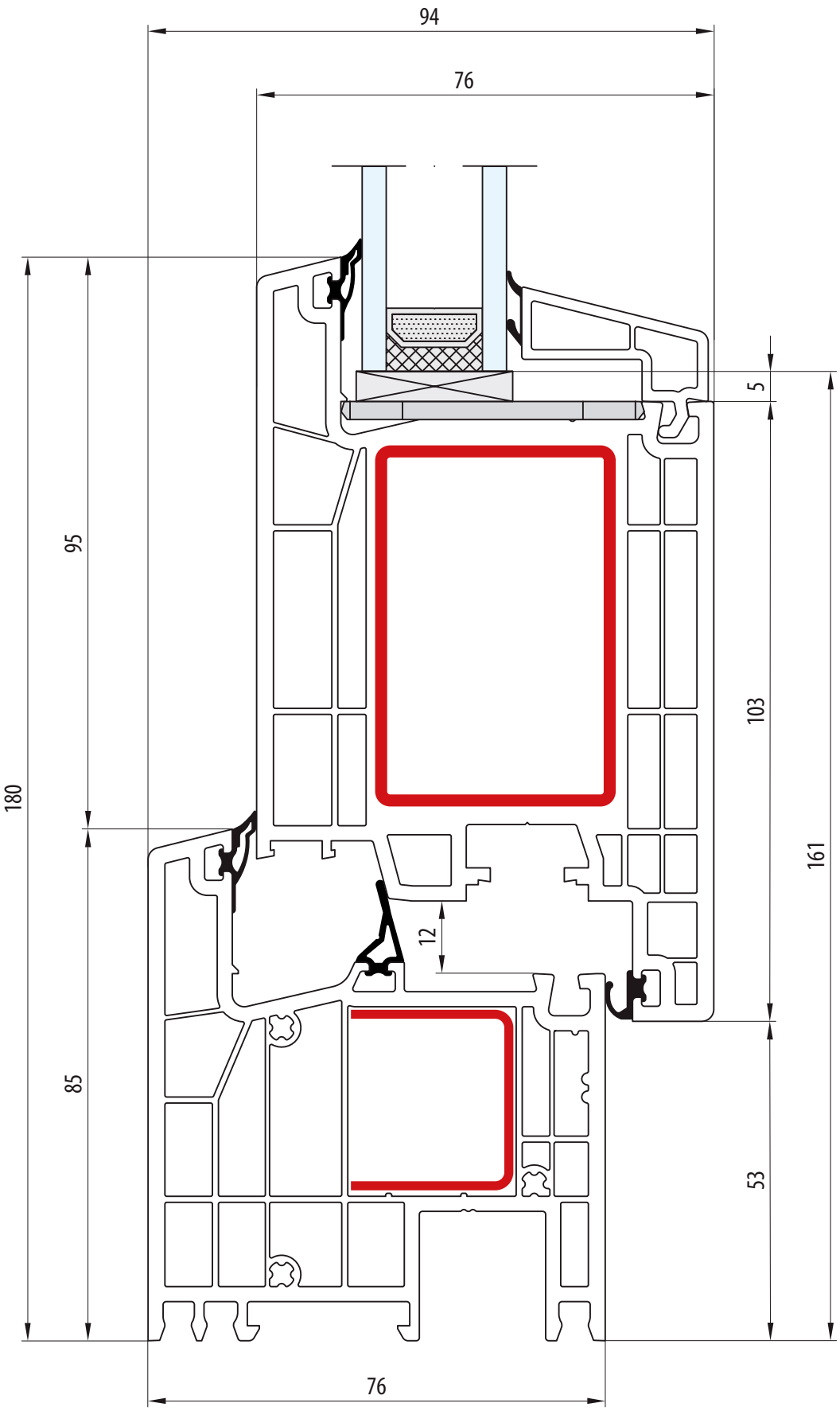

Rama: 85 mm · Skrzydło: 112 mm
Dormant: 85 mm · Vantail: 112 mm
Frame: 85 mm · Sash: 112 mm
Rahmen: 85 mm · Flügel: 112 mm
Telaio: 85 mm · Anta: 112 mm
Kozijn: 85 mm · Vleugel: 112 mm



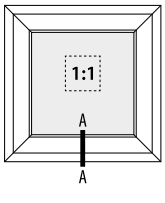


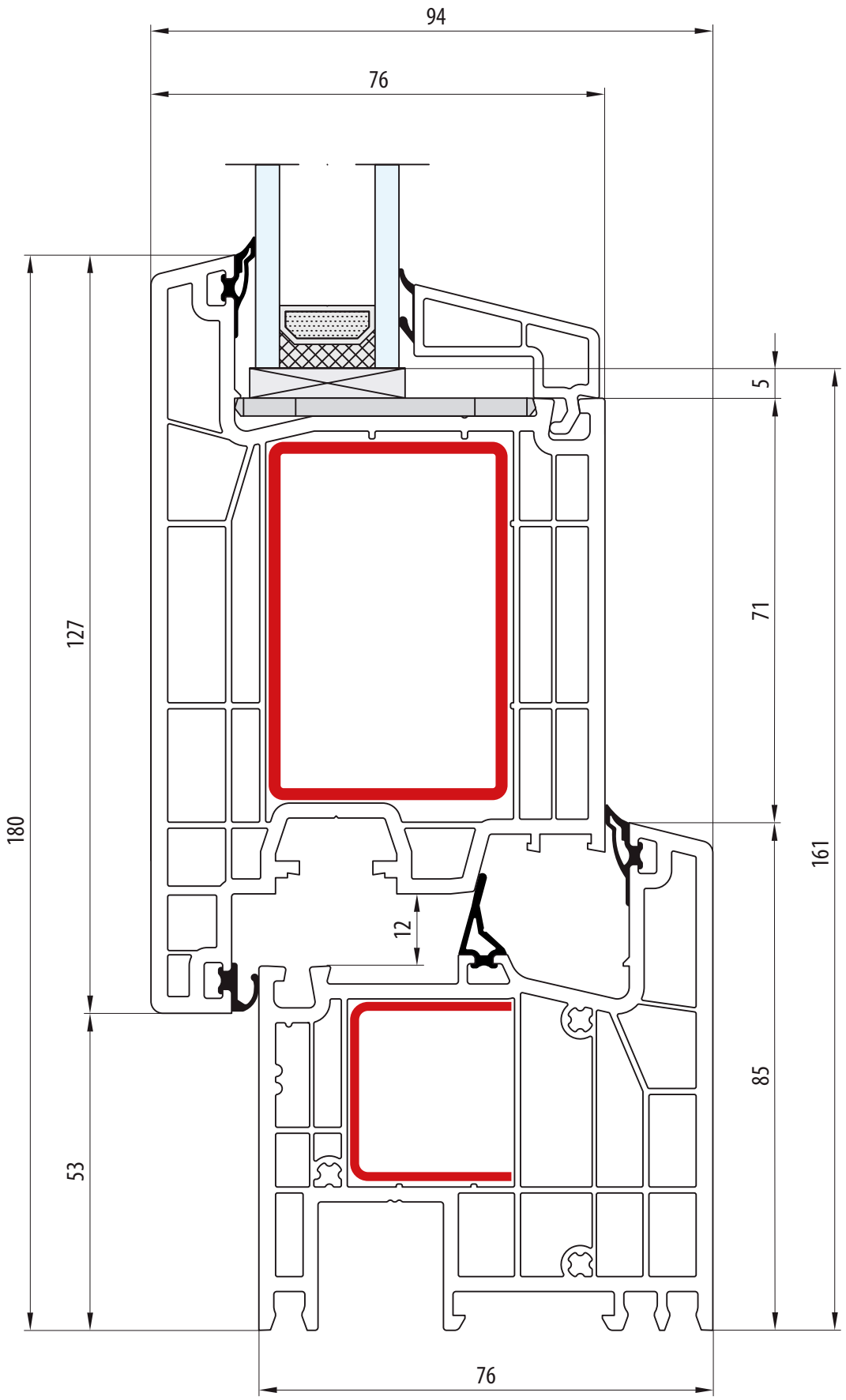

Rama: 85 mm · Skrzydło: 112 mm
Dormant: 85 mm · Vantail: 112 mm
Frame: 85 mm · Sash: 112 mm
Rahmen: 85 mm · Flügel: 112 mm
Telaio: 85 mm · Anta: 112 mm
Kozijn: 85 mm · Vleugel: 112 mm



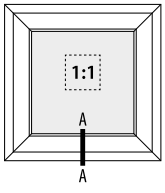


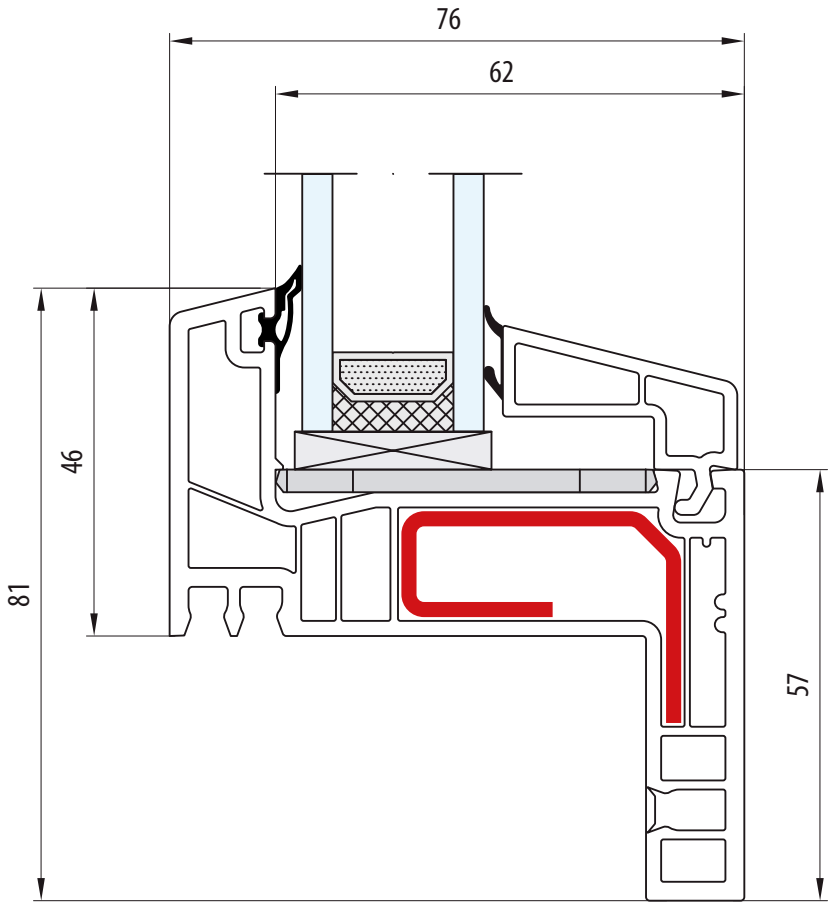

- Rama: 85 mm · Skrzydło: 127 mm
- Dormant: 85 mm · Vantail: 127 mm
- Frame: 85 mm · Sash: 127 mm
- Rahmen: 85 mm · Flügel: 127 mm
- Telaio: 85 mm · Anta: 127 mm
- Kozijn: 85 mm · Vleugel: 127 mm



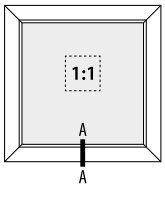


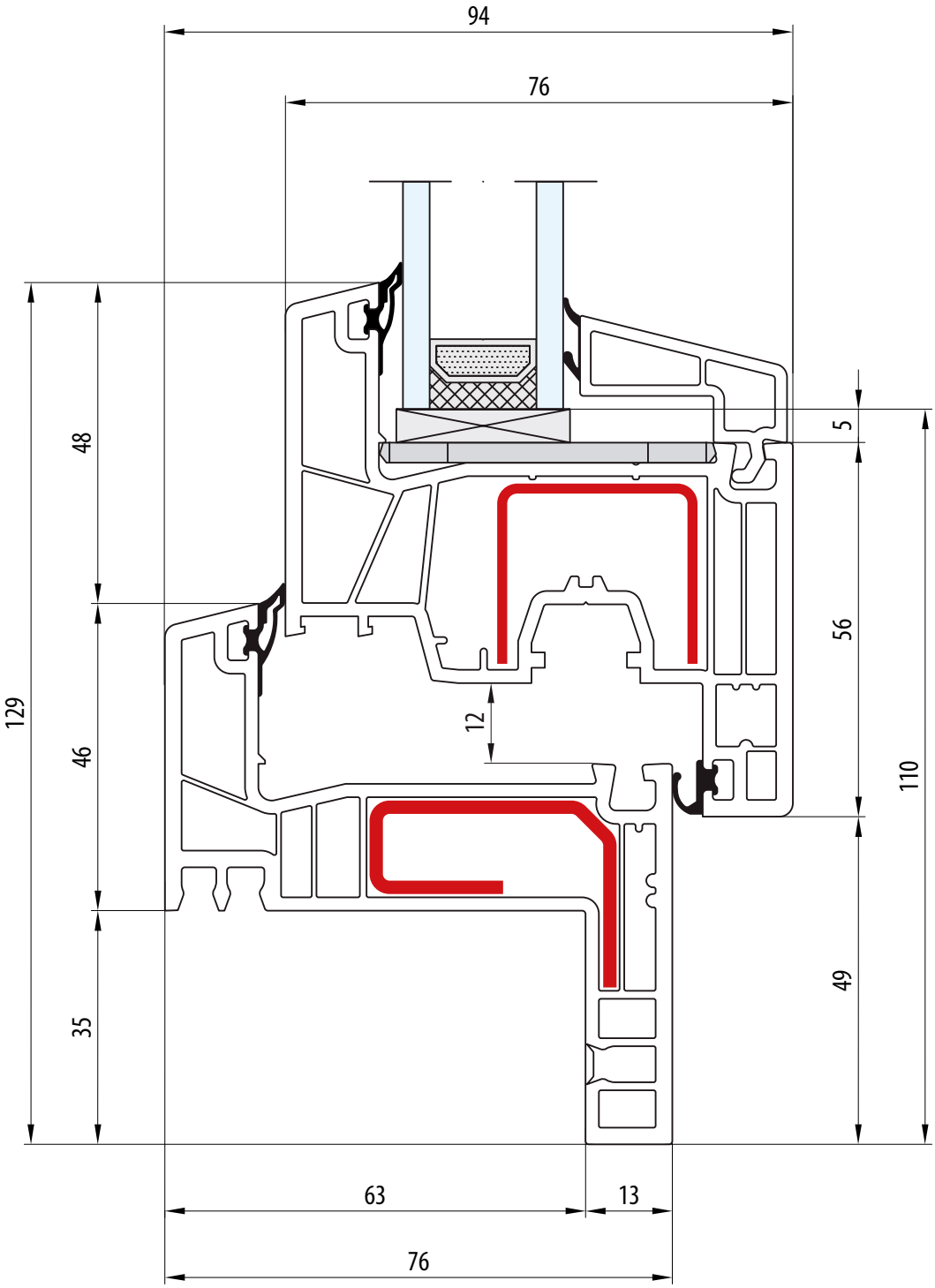

- Rama: 85 mm · Skrzydło: 127 mm
- Dormant: 85 mm · Vantail: 127 mm
- Frame: 85 mm · Sash: 127 mm
- Rahmen: 85 mm · Flügel: 127 mm
- Telaio: 85 mm · Anta: 127 mm
- Kozijn: 85 mm · Vleugel: 127 mm



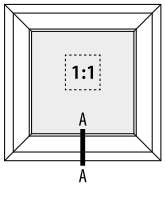


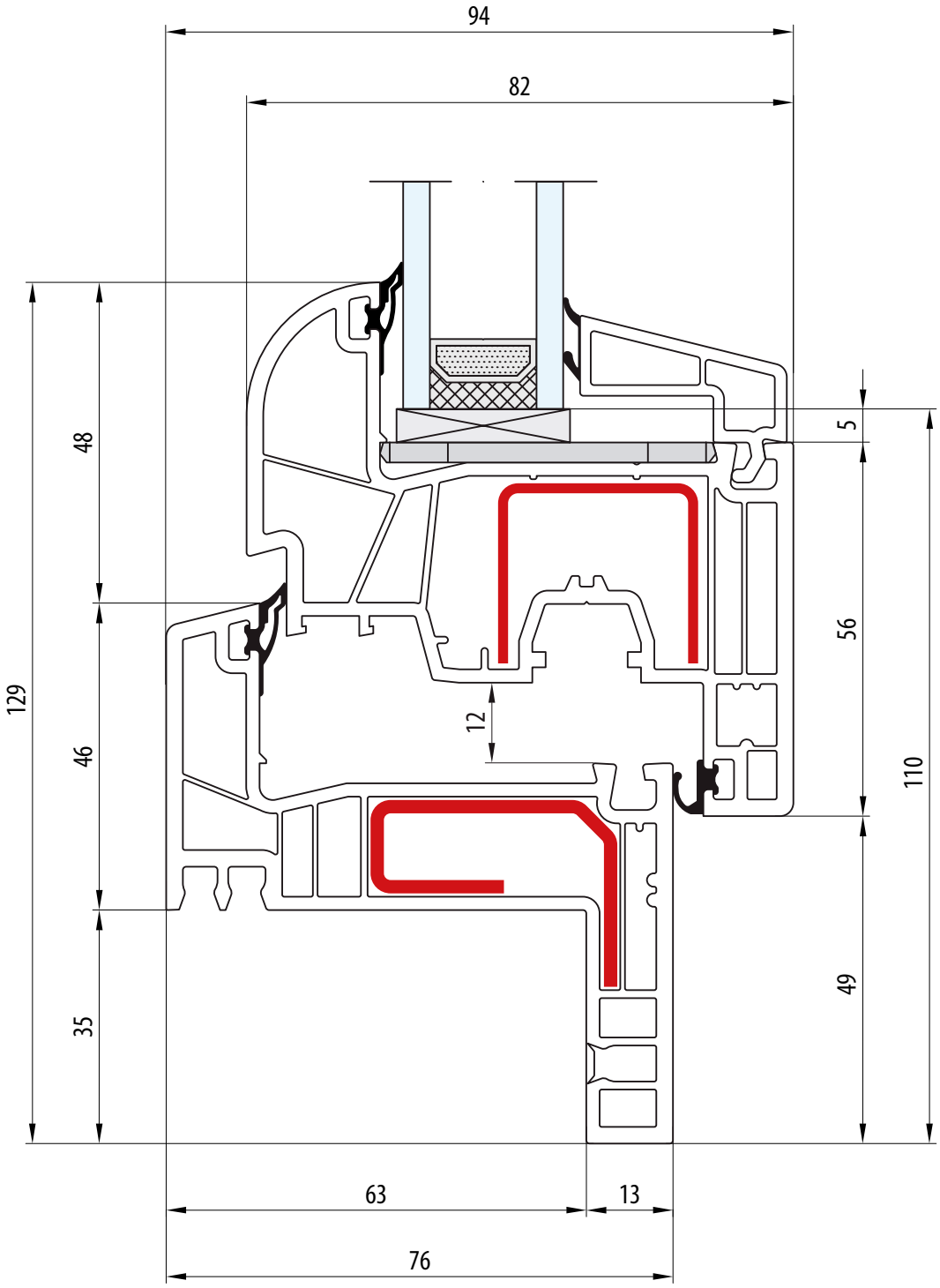

RENOWACJA - Płetwa: 35 mm · Rama: 46 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm



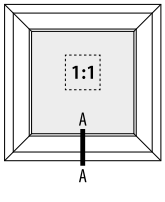


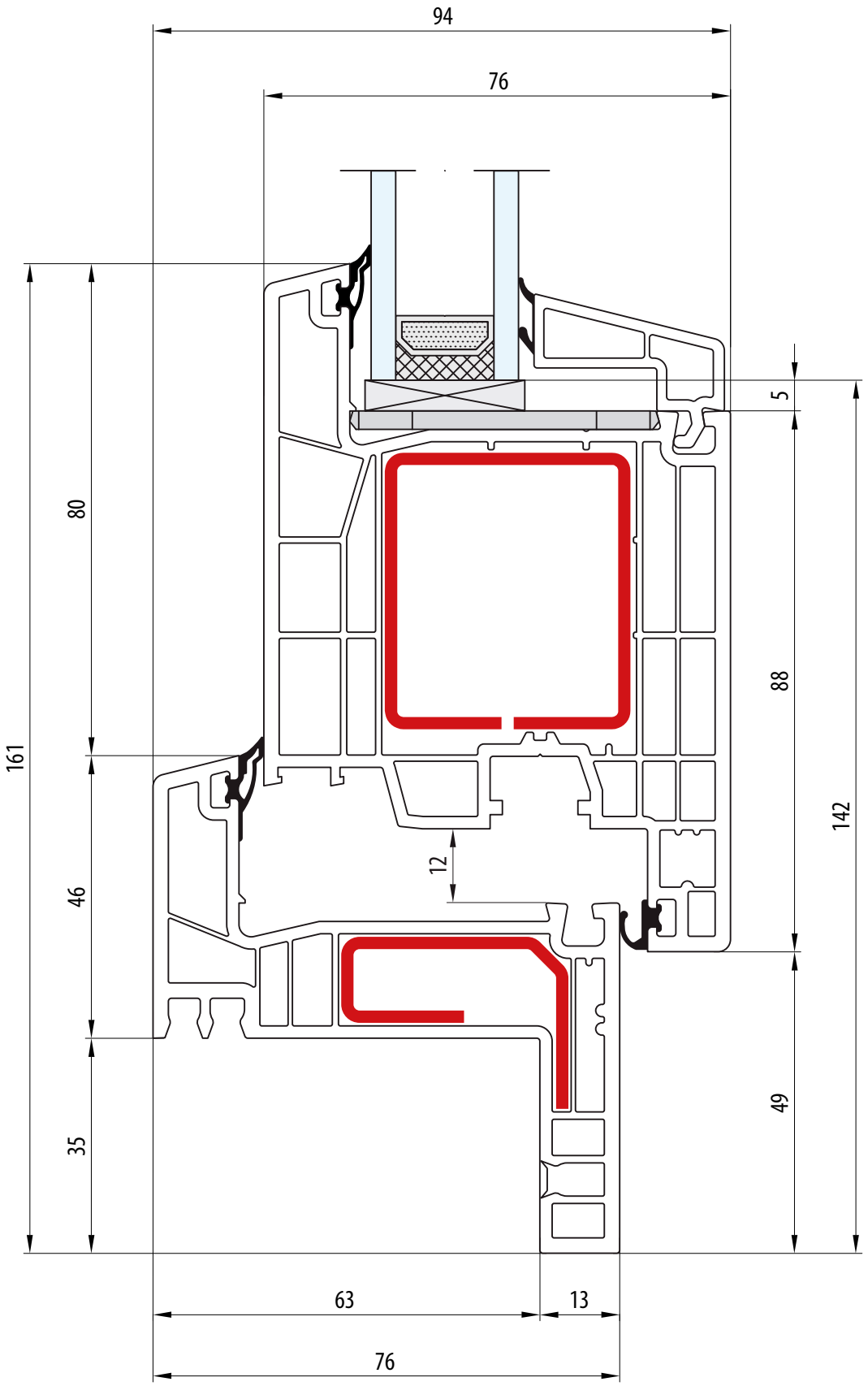

RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 80 mm



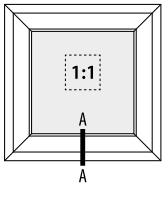


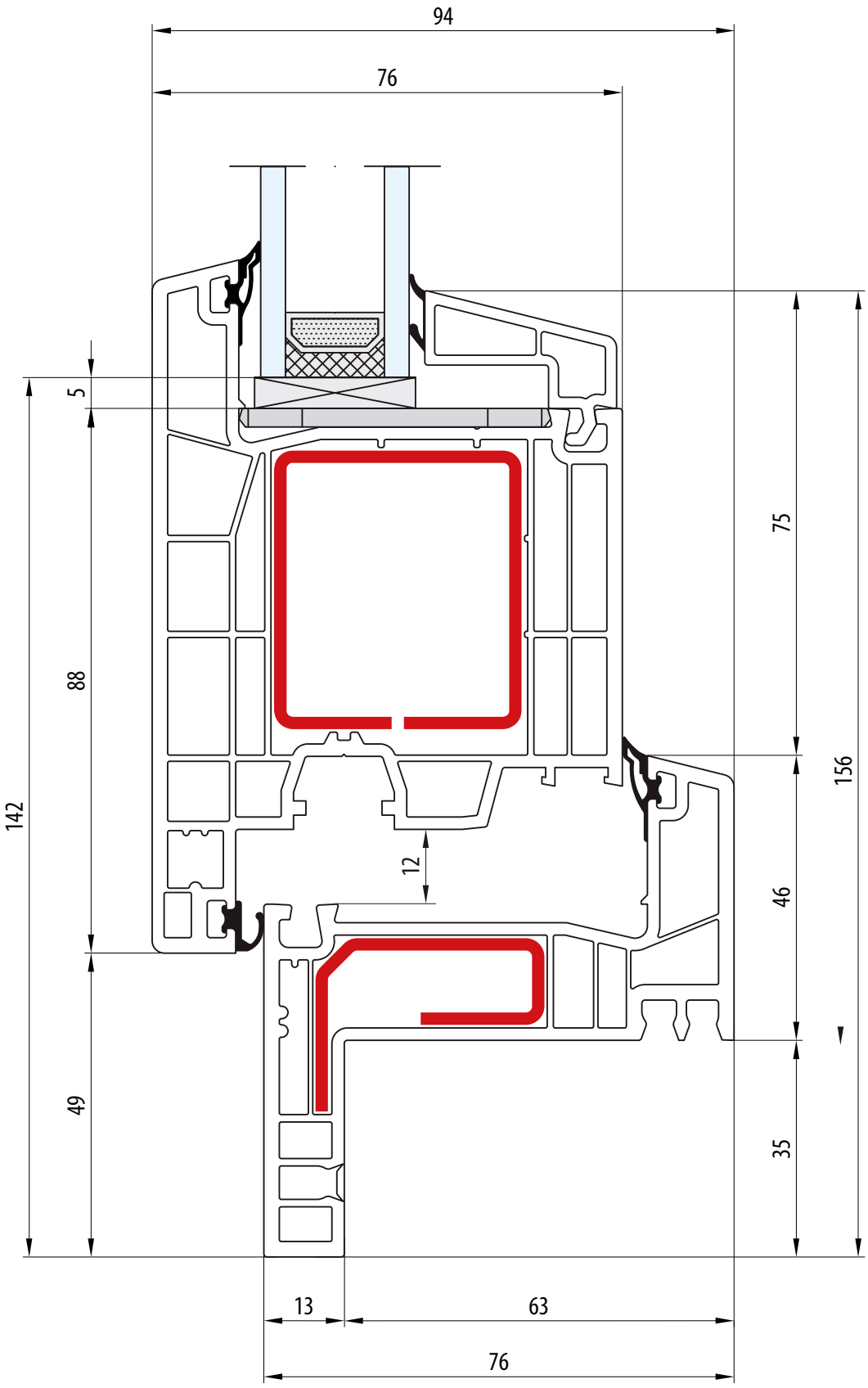

- RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 80 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 80 mm
- RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 80 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 80 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 80 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 80 mm



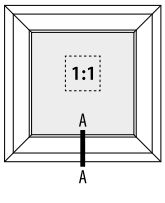



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 112 mm



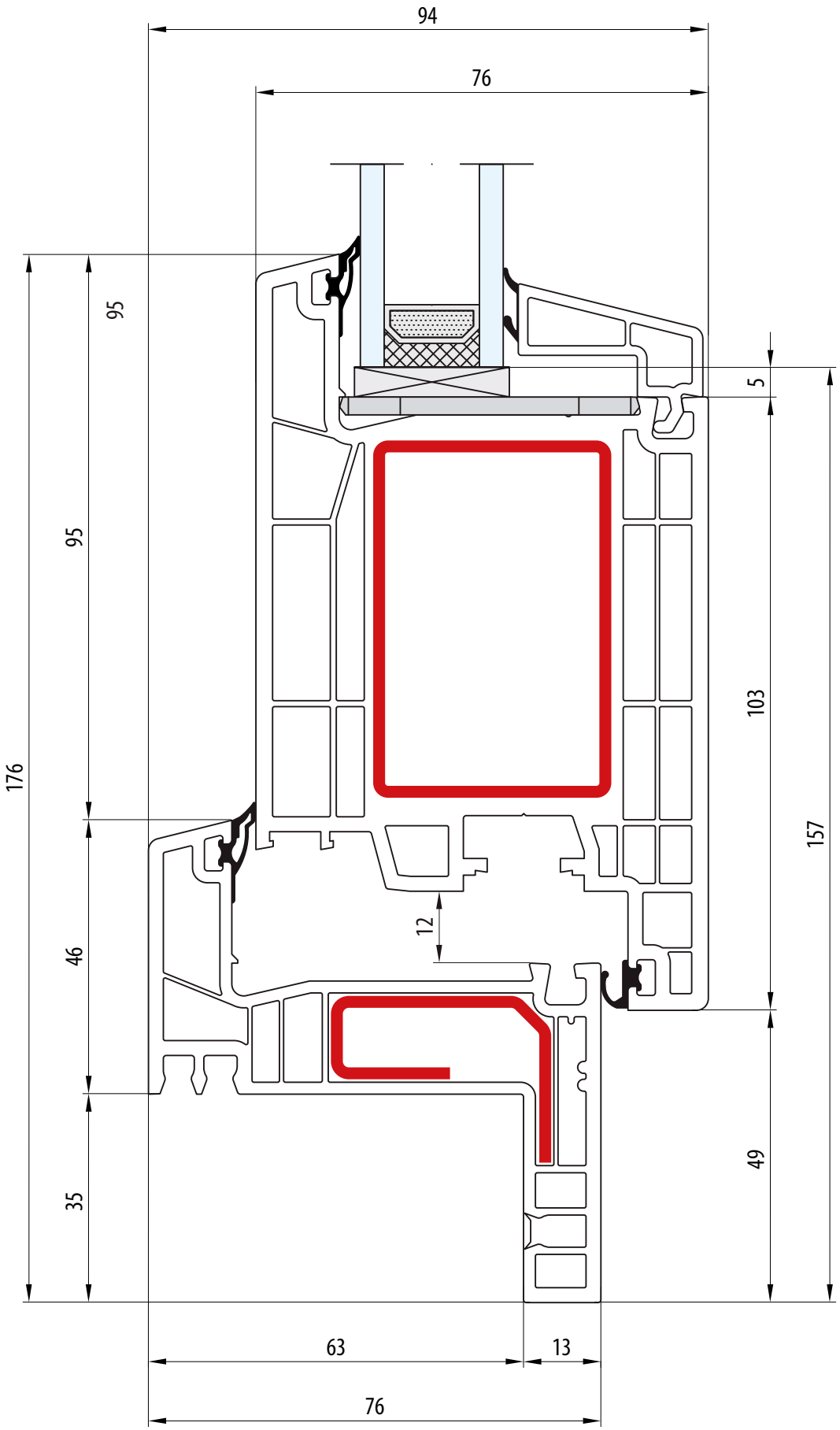



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 112 mm

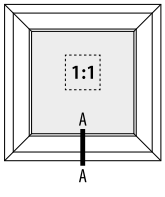


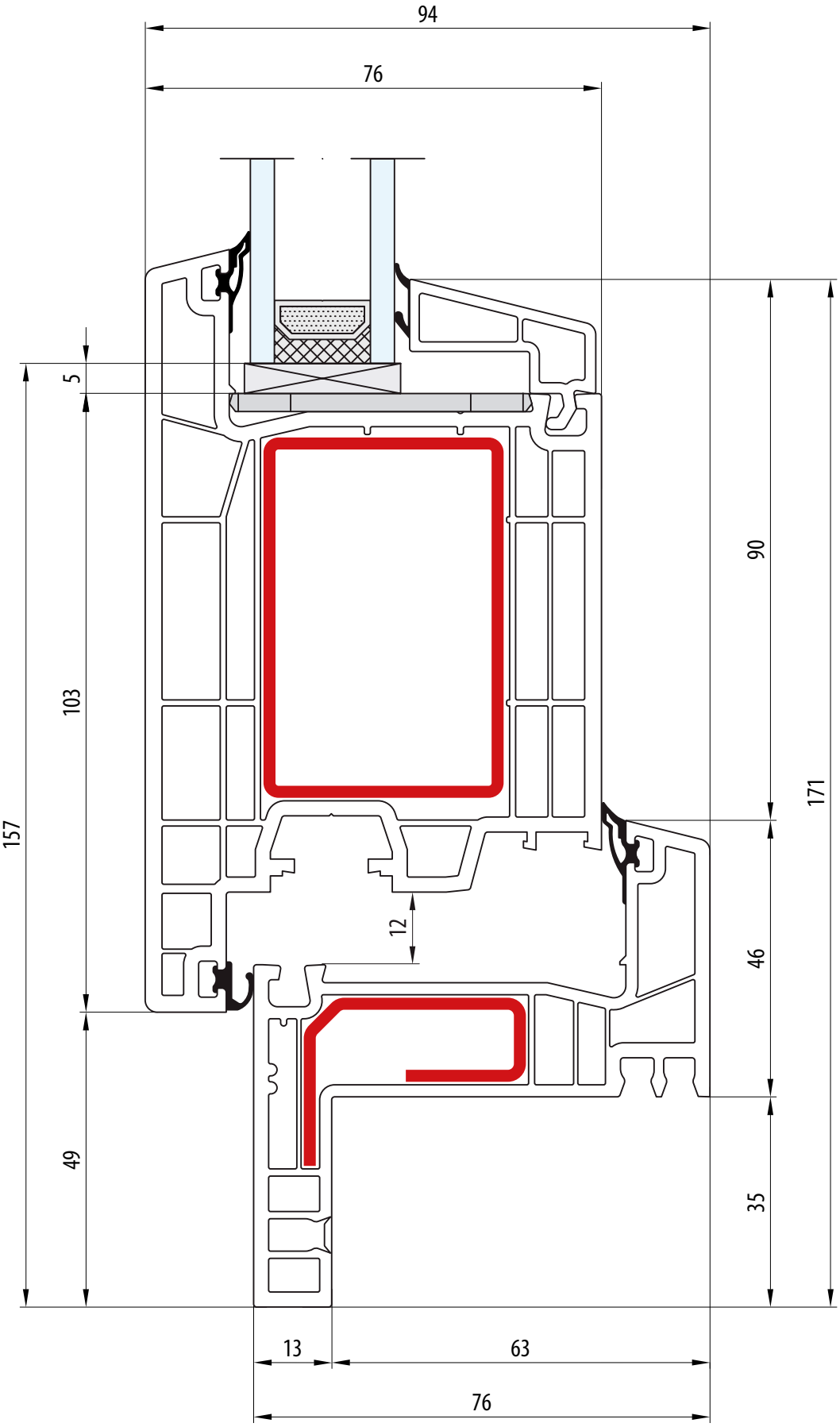




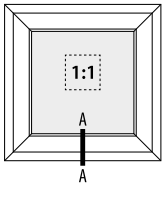



- RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 127 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 127 mm
- RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 127 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 127 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 127 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 127 mm



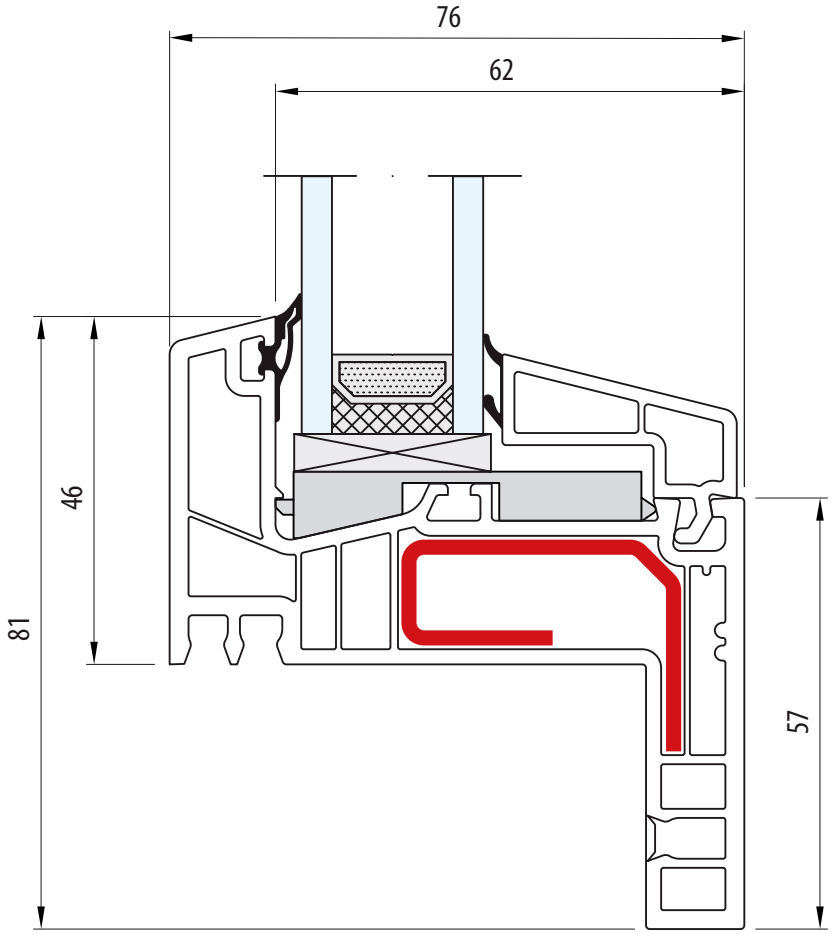



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 127 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 127 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 127 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 127 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 127 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 127 mm

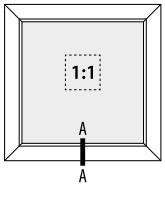


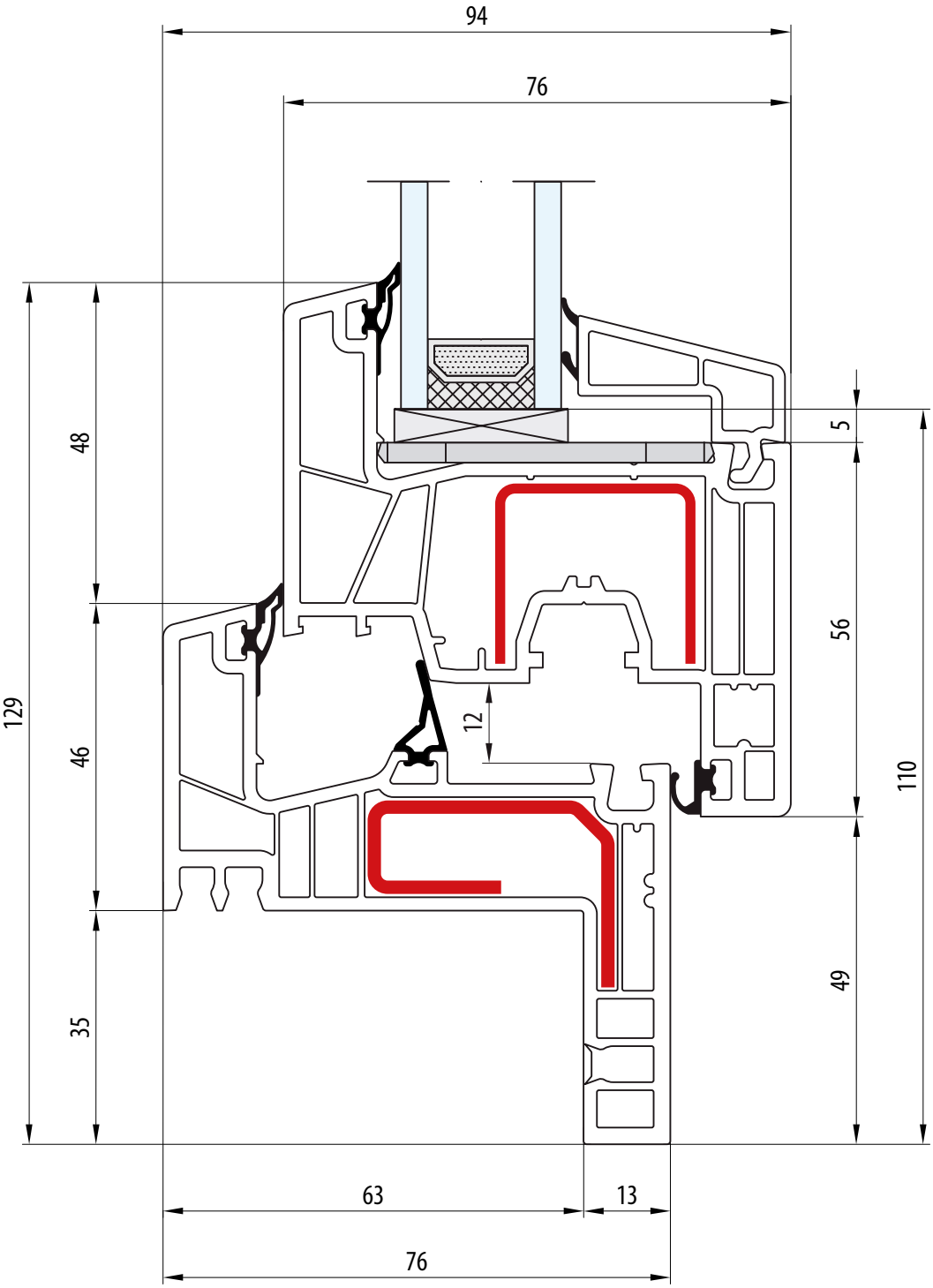
CL

SL
CL
RL
H

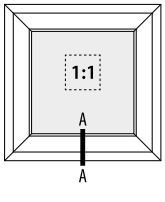



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm



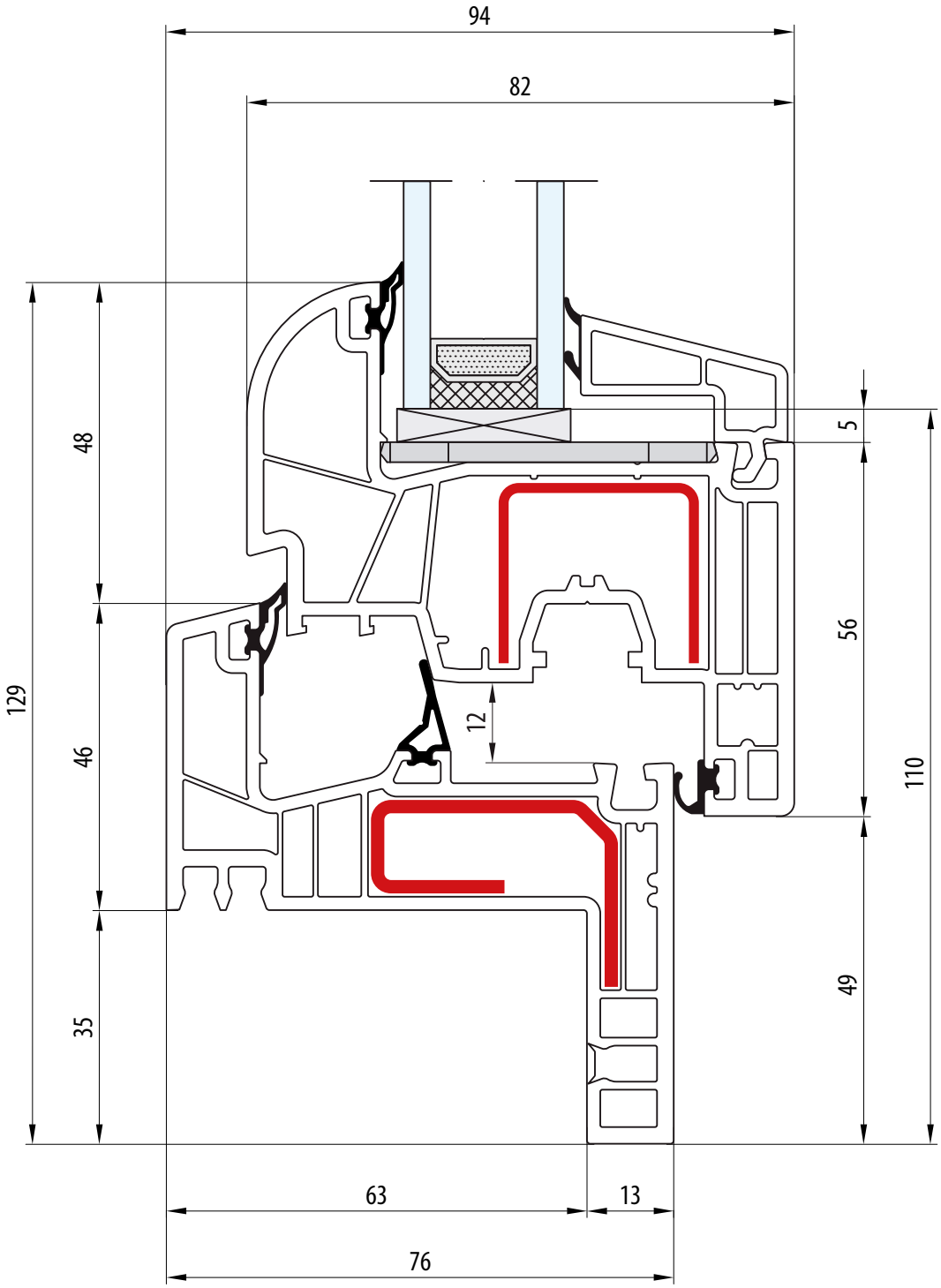



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 80 mm

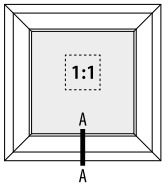


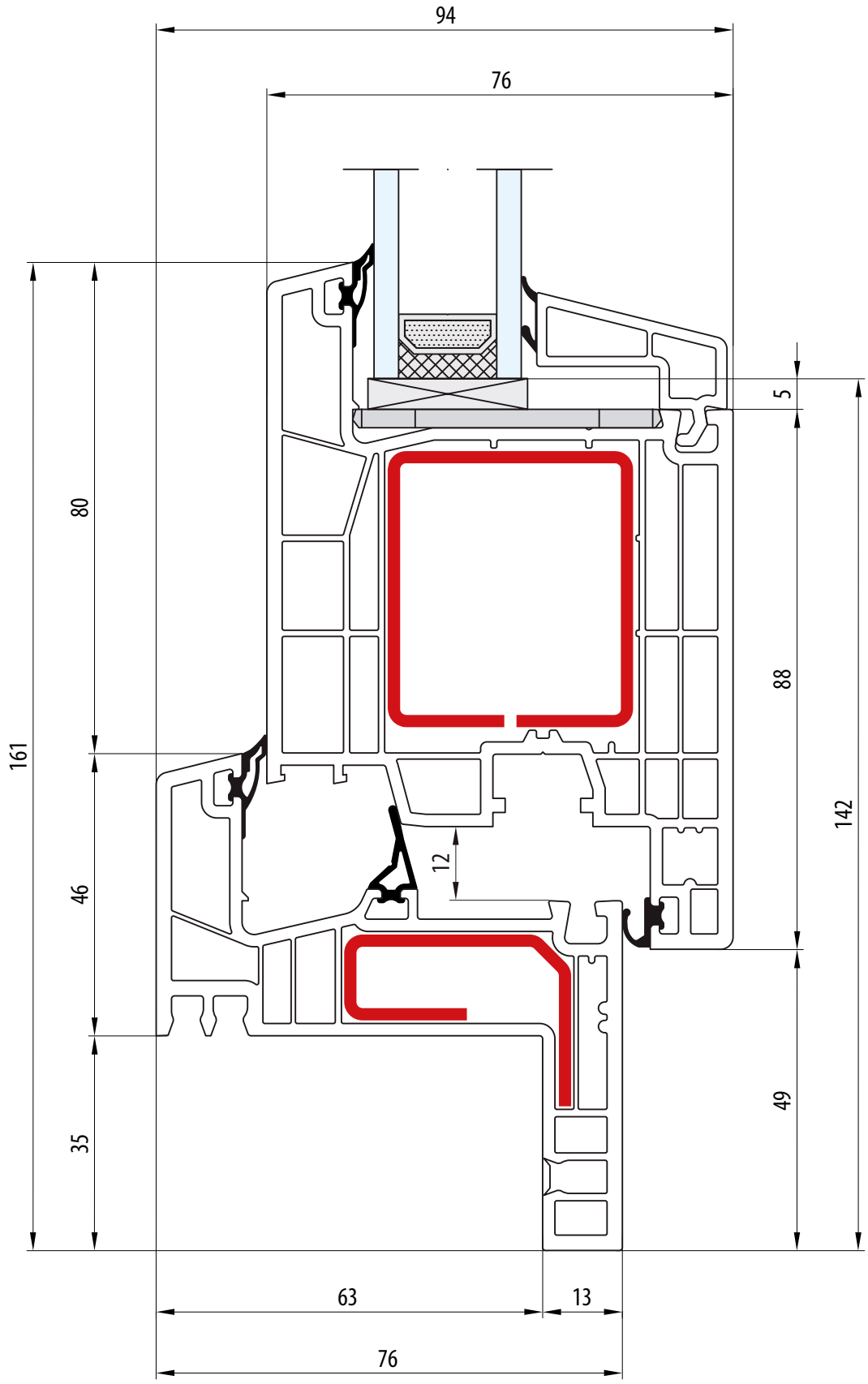
RL

SL CL RL H

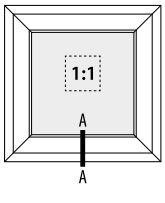



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 80 mm



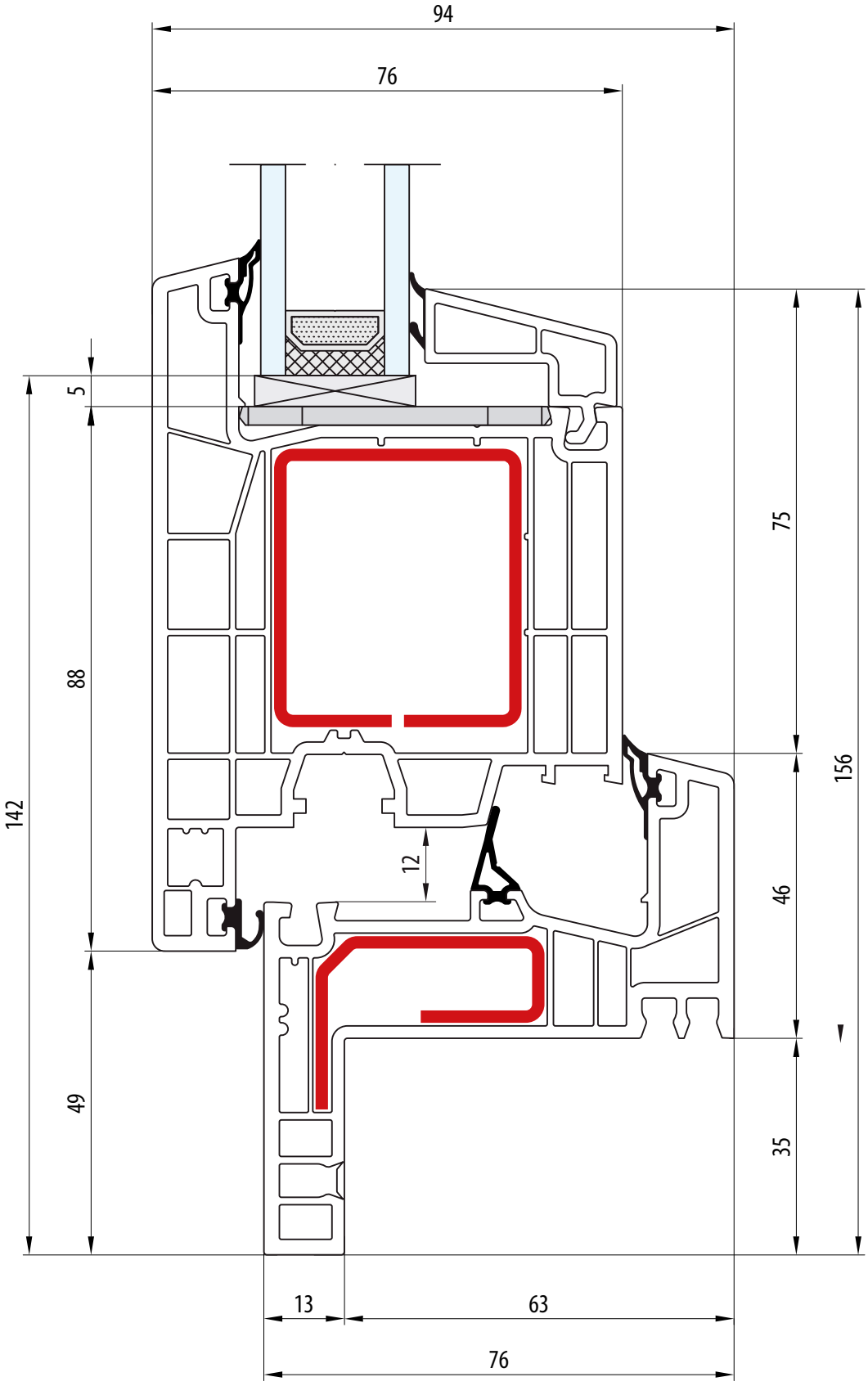



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 80 mm

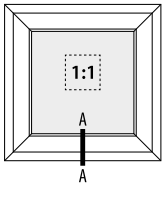


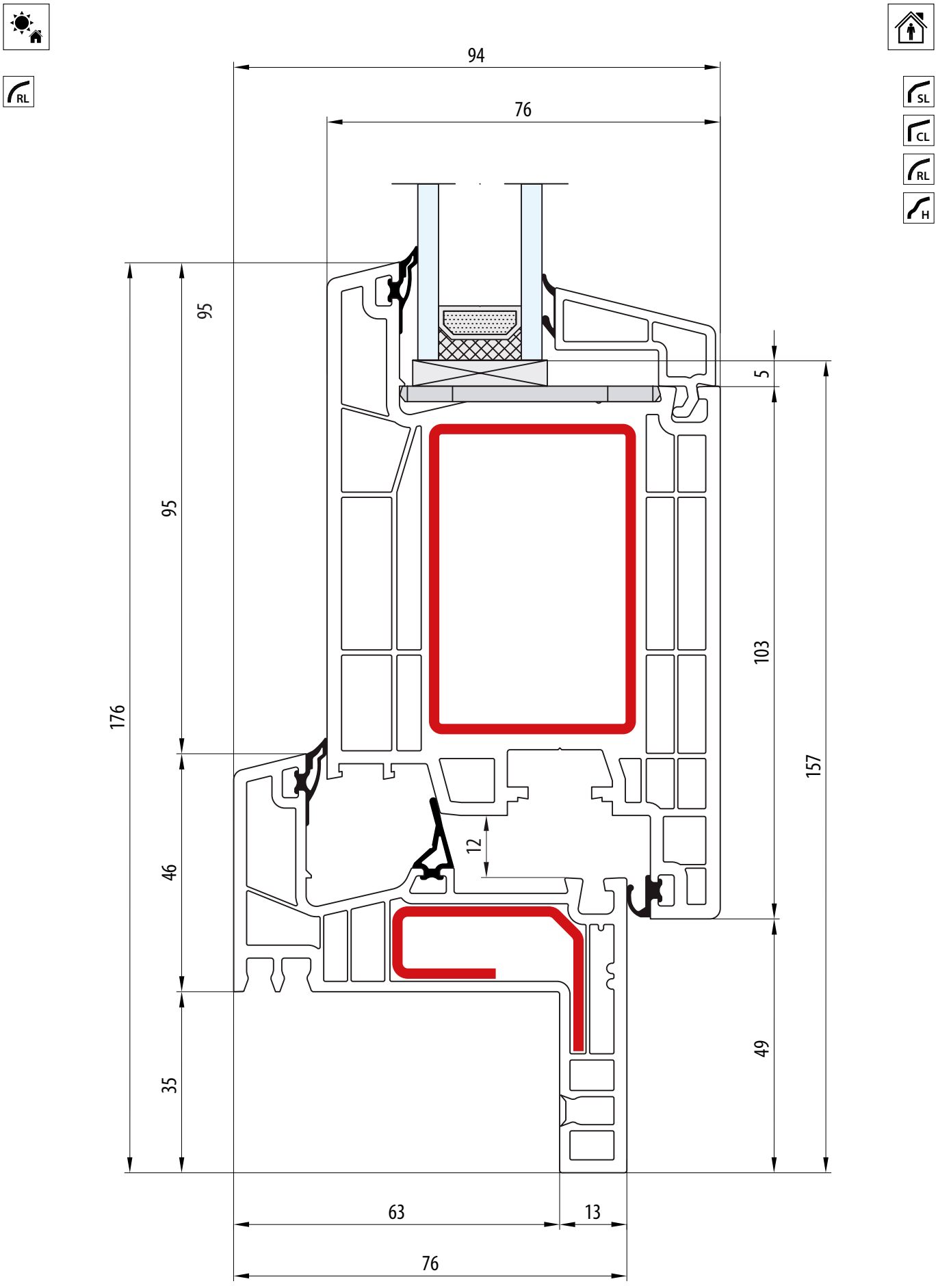
CL

SL CL RL H

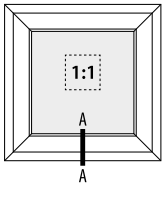



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 112 mm



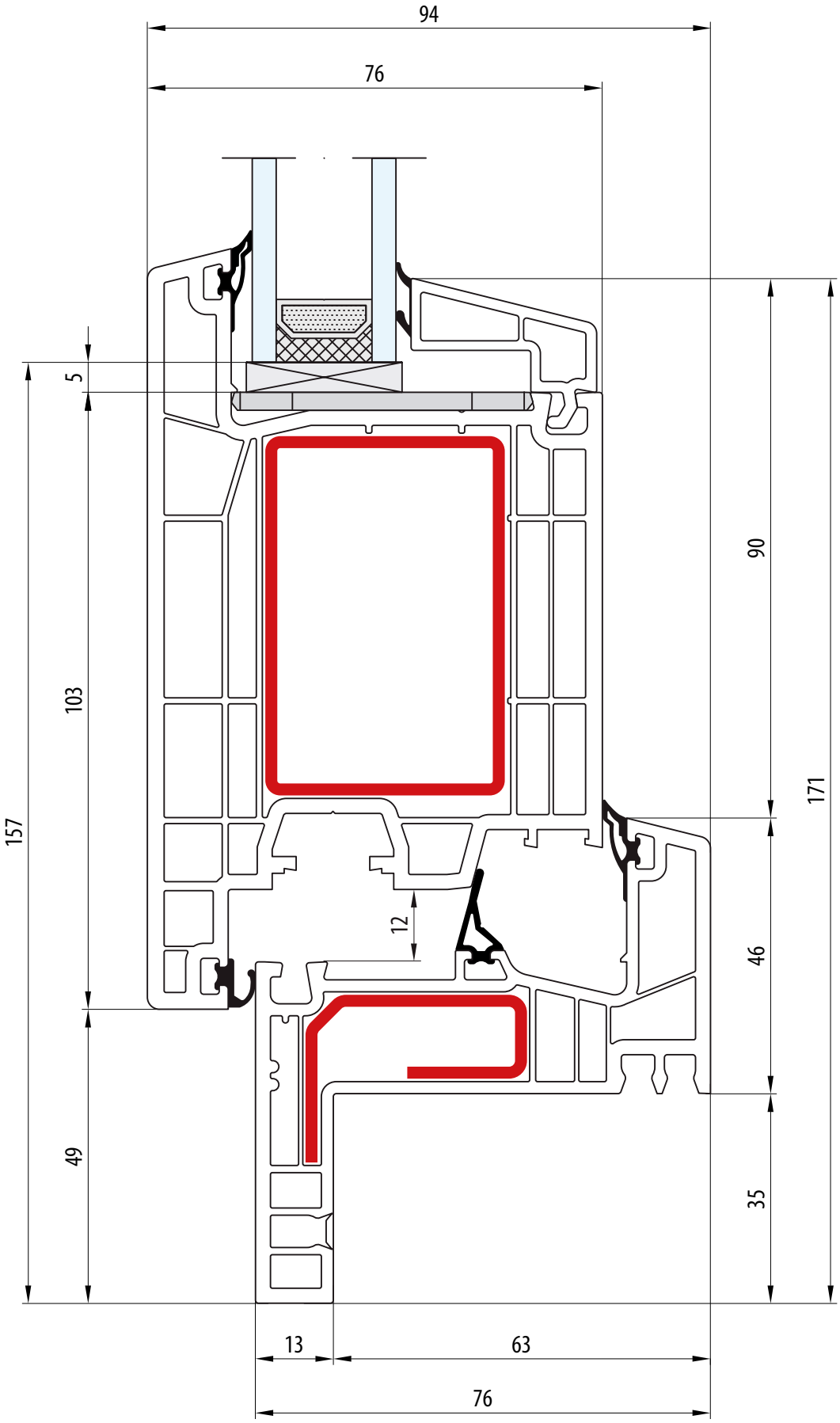



RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 127 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 127 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 127 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 127 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 127 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 127 mm

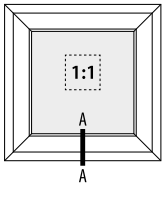


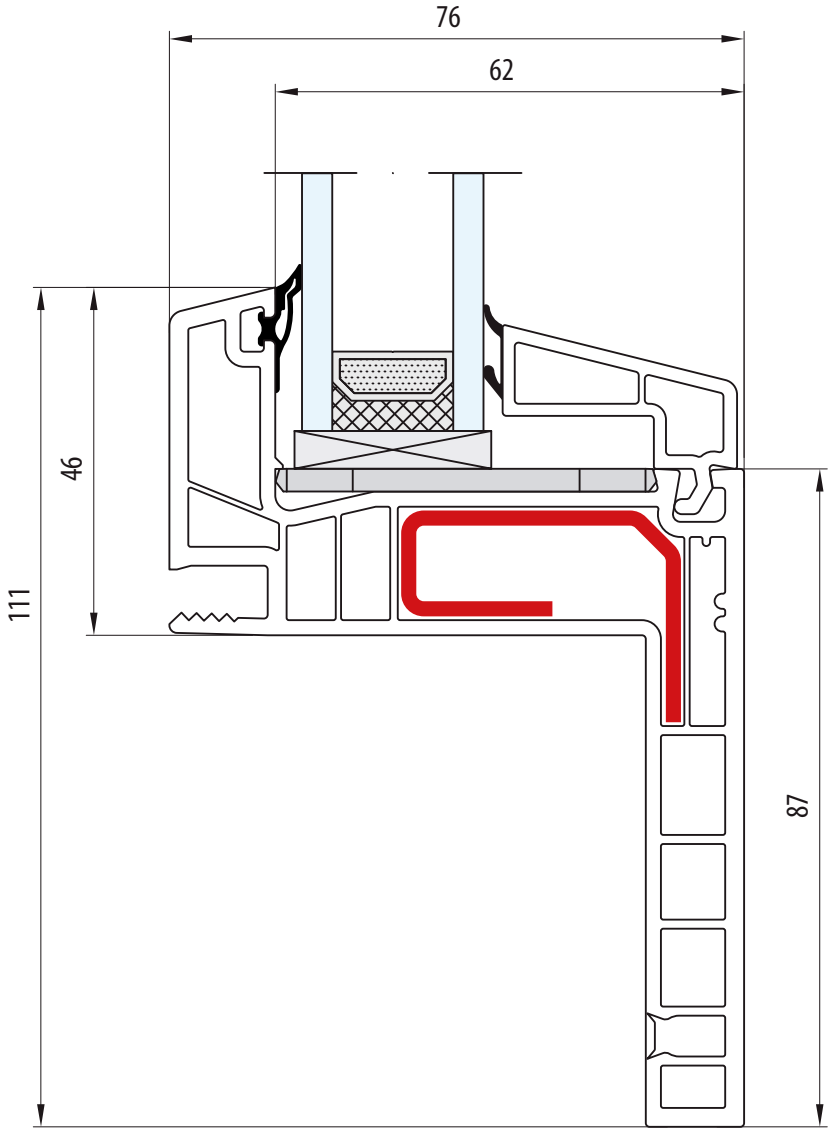
CL

SL CL RL H

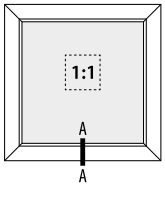


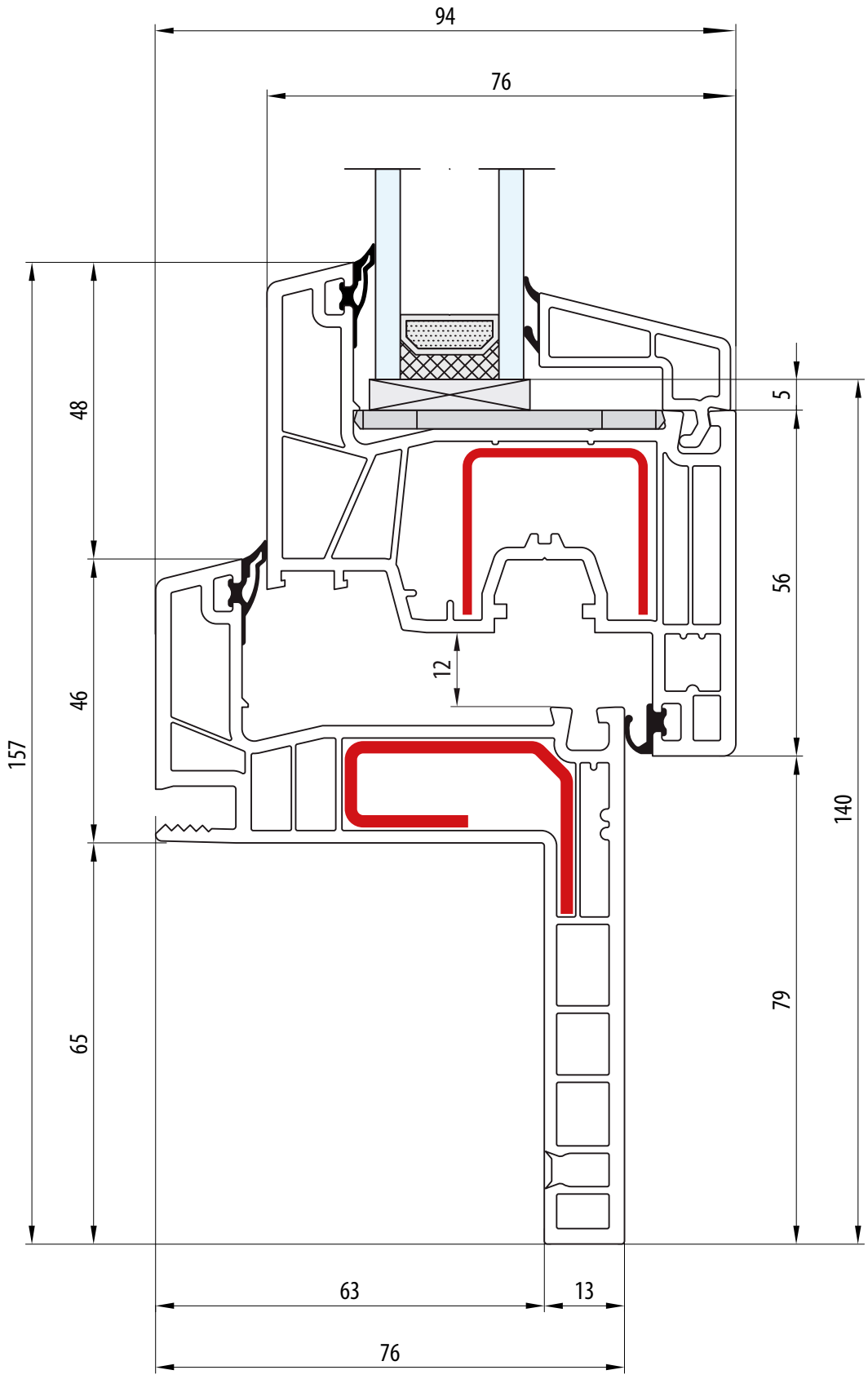

RENOWACJA - Płetwa: 35 mm · Rama: 46 mm · Skrzydło: 127 mm
RÉNOVATION - Lip: 35 mm · Dormant: 46 mm · Vantail: 127 mm
RENOVATION - Strip: 35 mm · Frame: 46 mm · Sash: 127 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 46 mm · Flügel: 127 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 46 mm · Anta: 127 mm
RENOVATIE - Vin: 35 mm · Kozijn: 46 mm · Vleugel: 127 mm



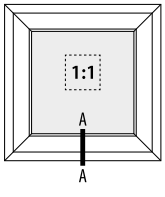


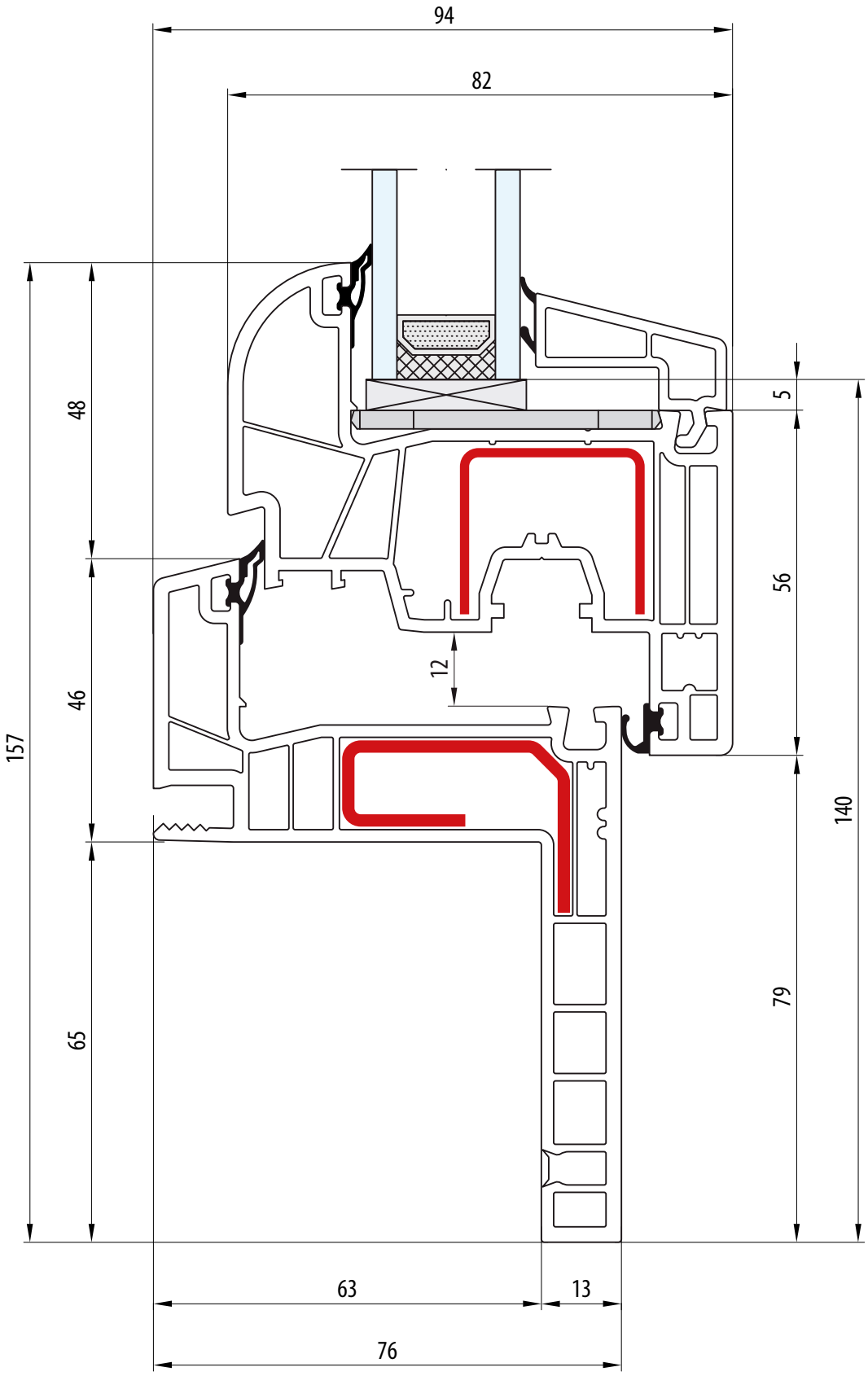

- RENOWACJA - Płetwa: 65 mm · Rama: 46 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 46 mm
- RENOVATION - Strip: 65 mm · Frame: 46 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 46 mm



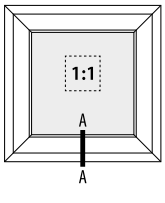


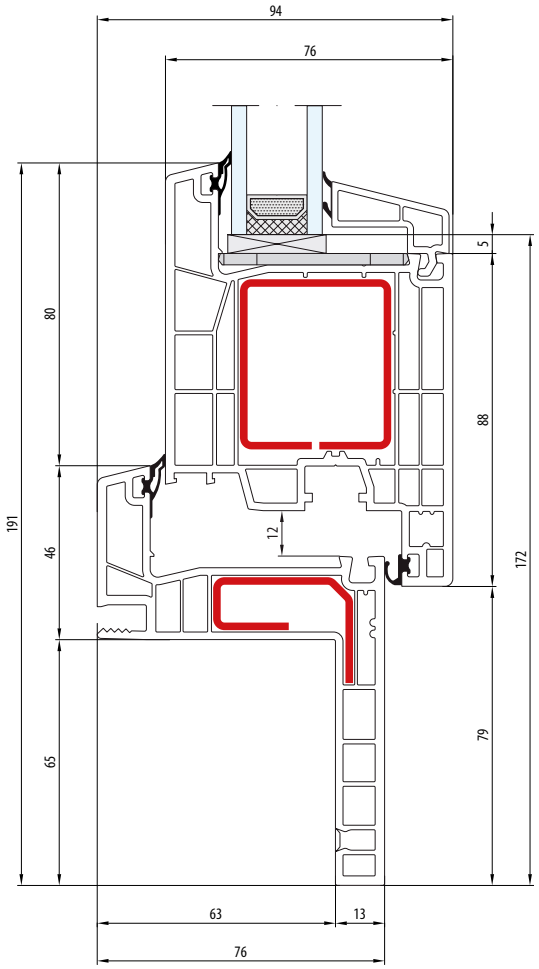

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 80 mm



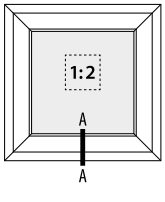


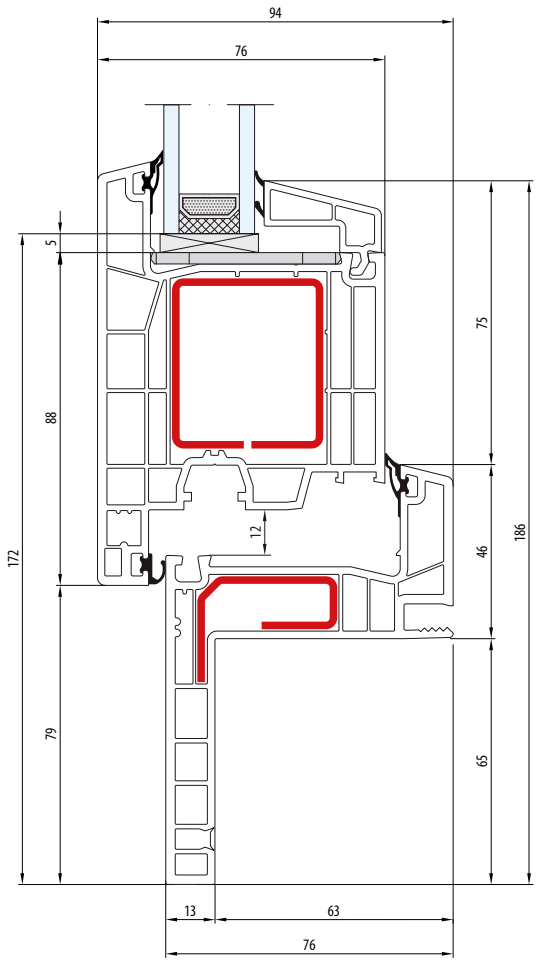

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 80 mm



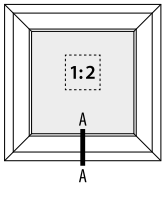


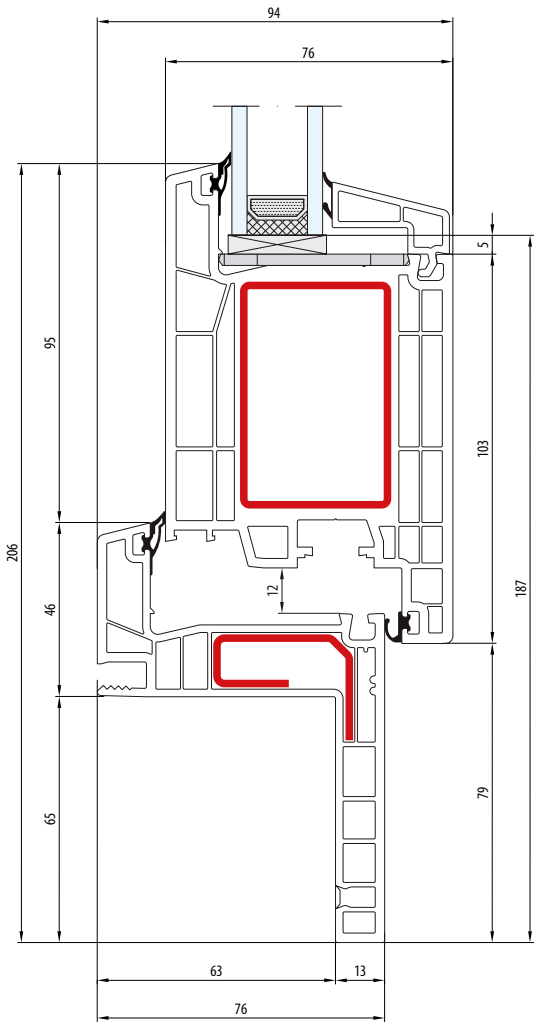

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 112 mm



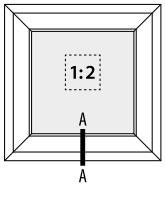


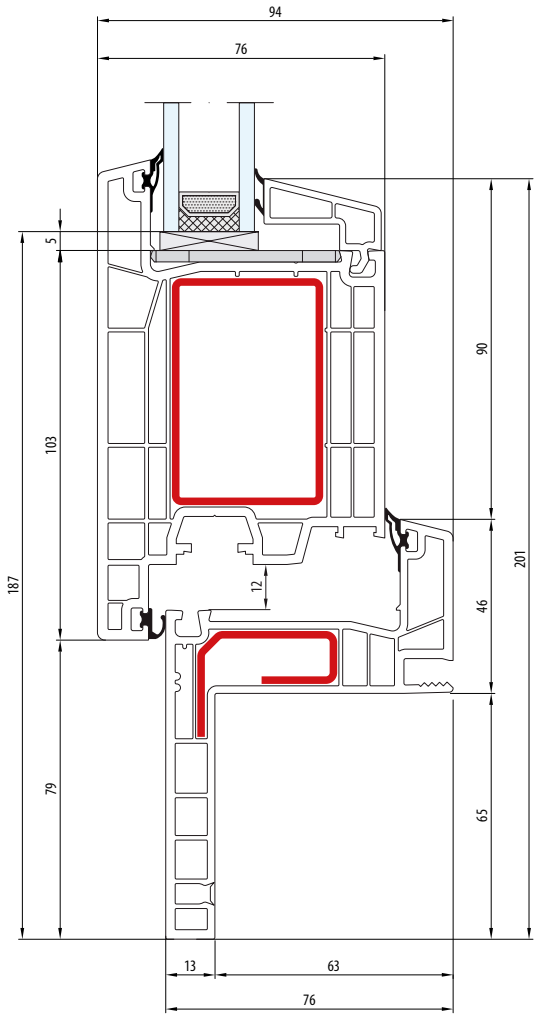

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 112 mm



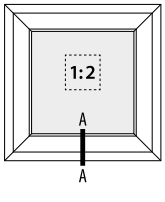



RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 127 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 127 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 127 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 127 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 127 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 127 mm



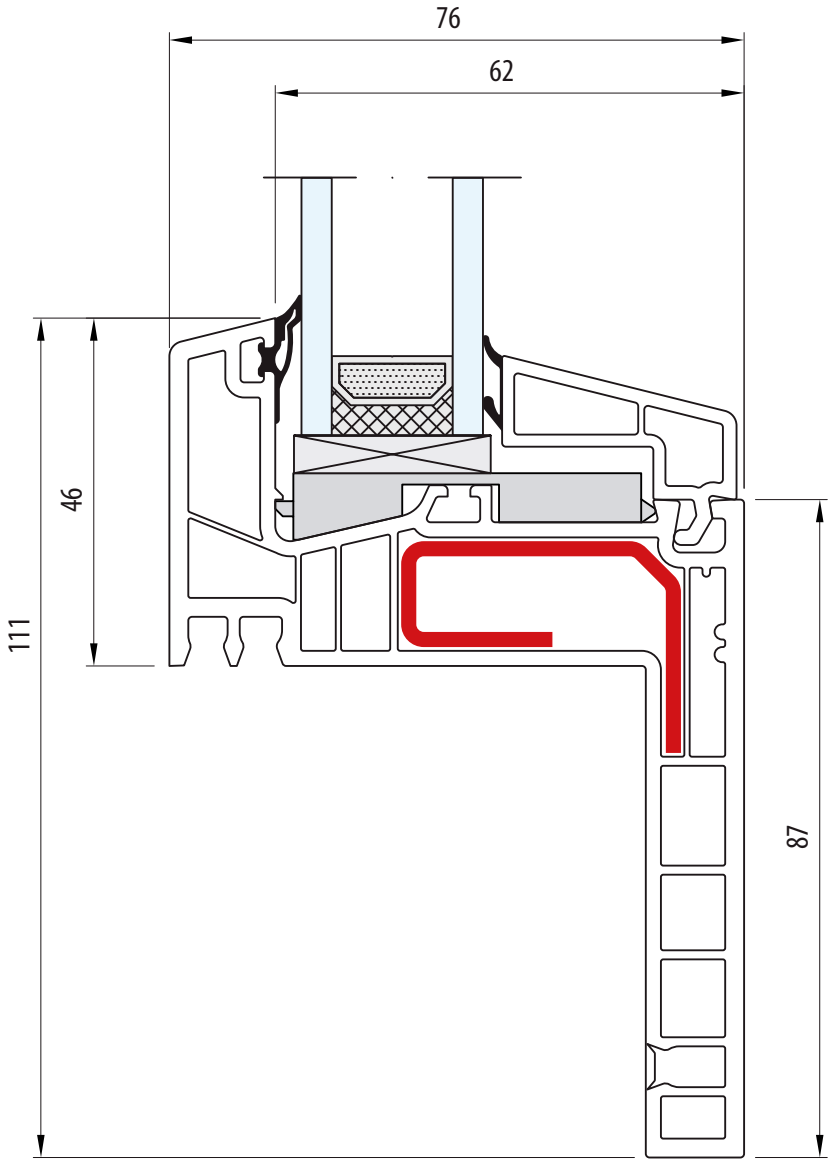



- RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 127 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 127 mm
- RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 127 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 127 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 127 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 127 mm

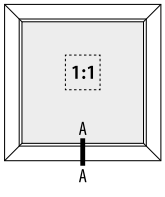


CL

SL
CL
RL
H

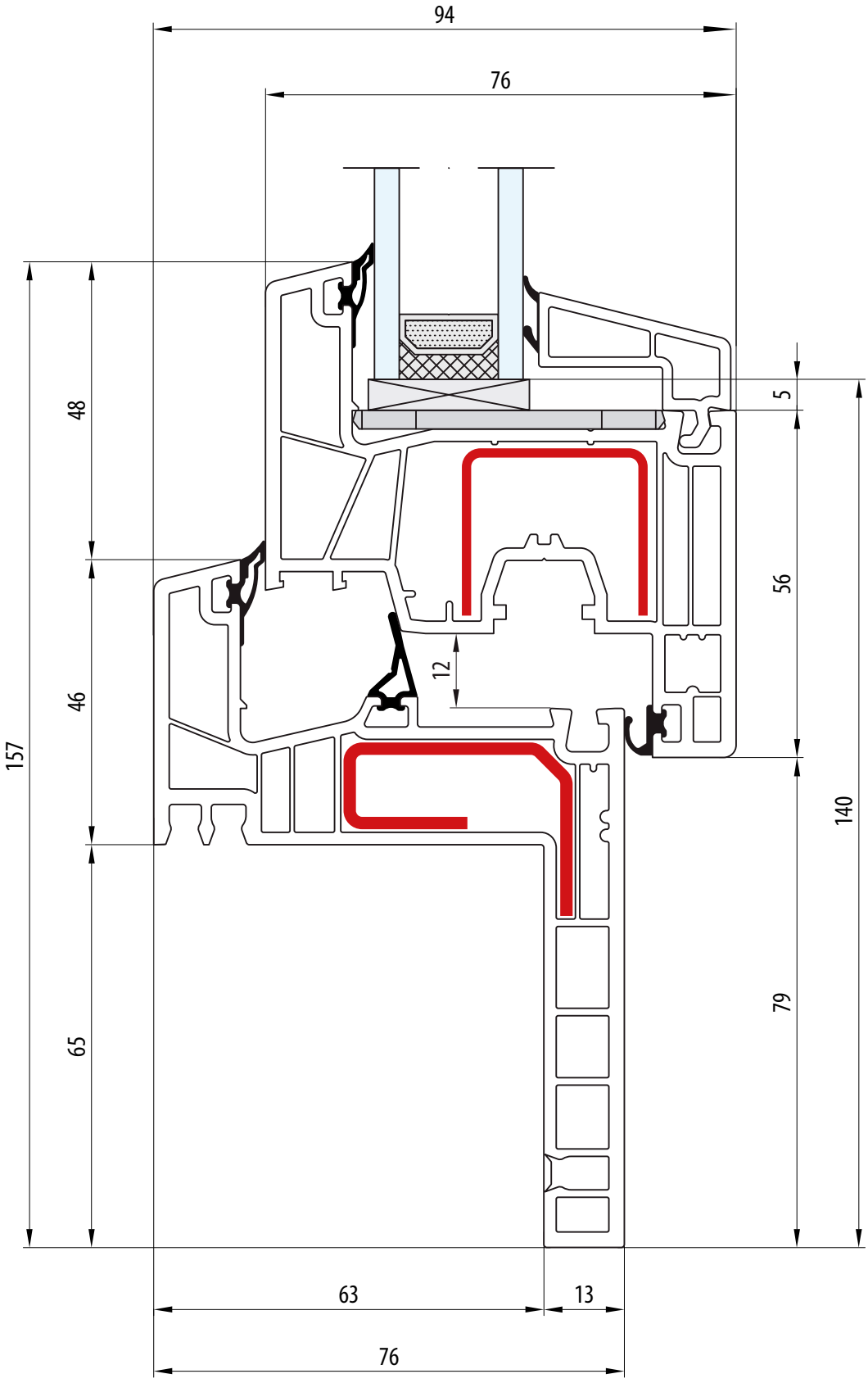



RENOWACJA - Płetwa: 65 mm · Rama: 46 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm

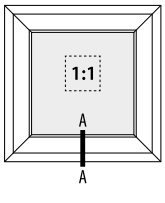






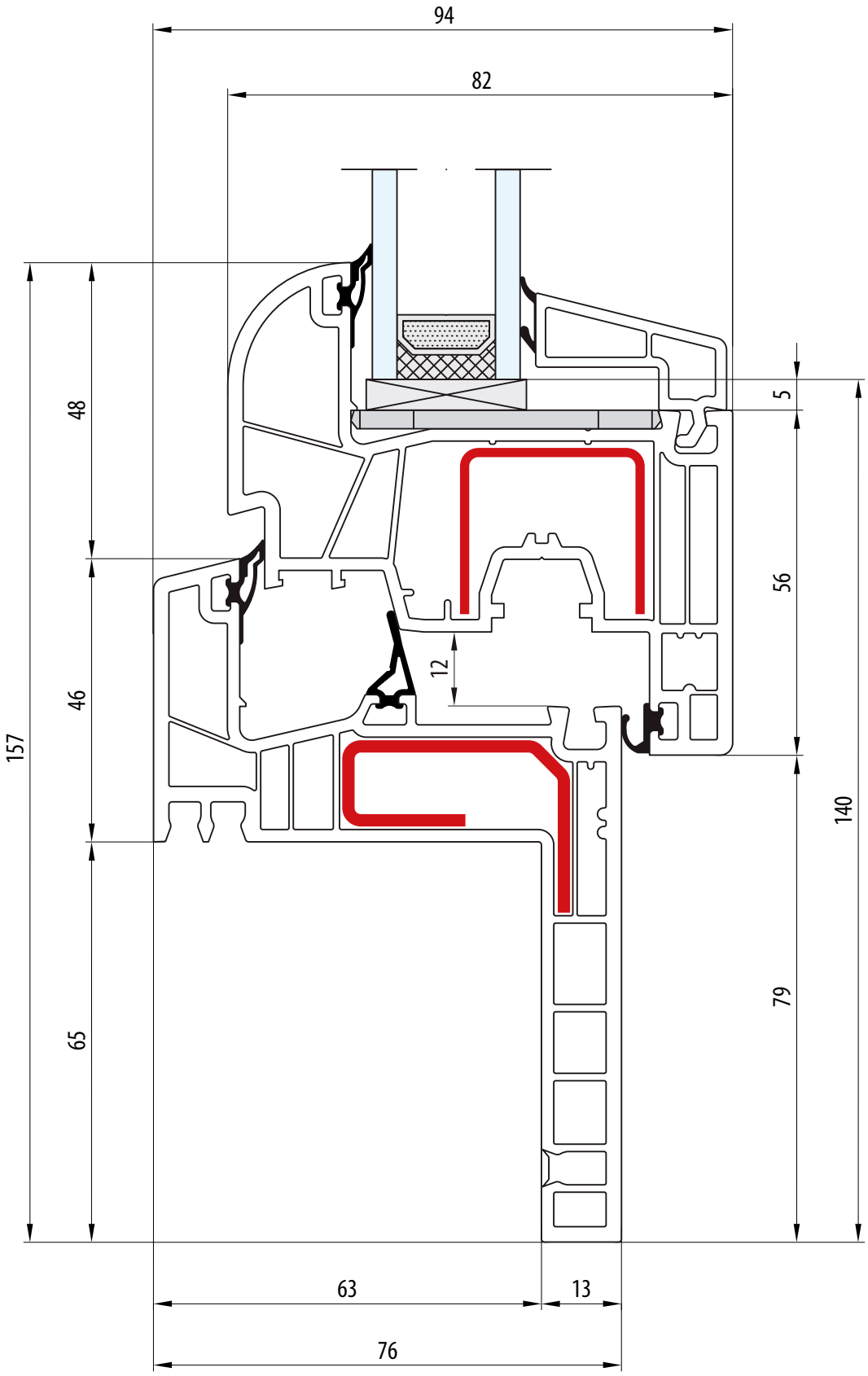




- RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 80 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 80 mm
- RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 80 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 80 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 80 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 80 mm

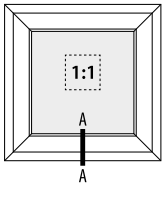


RL

SL CL RL H




RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 80 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 80 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 80 mm



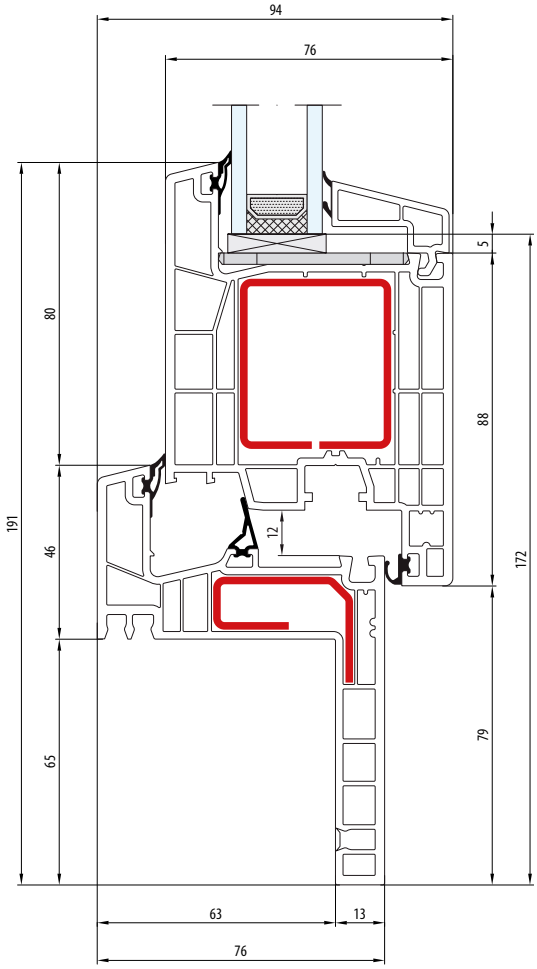




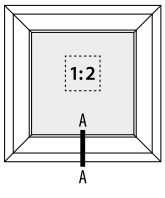


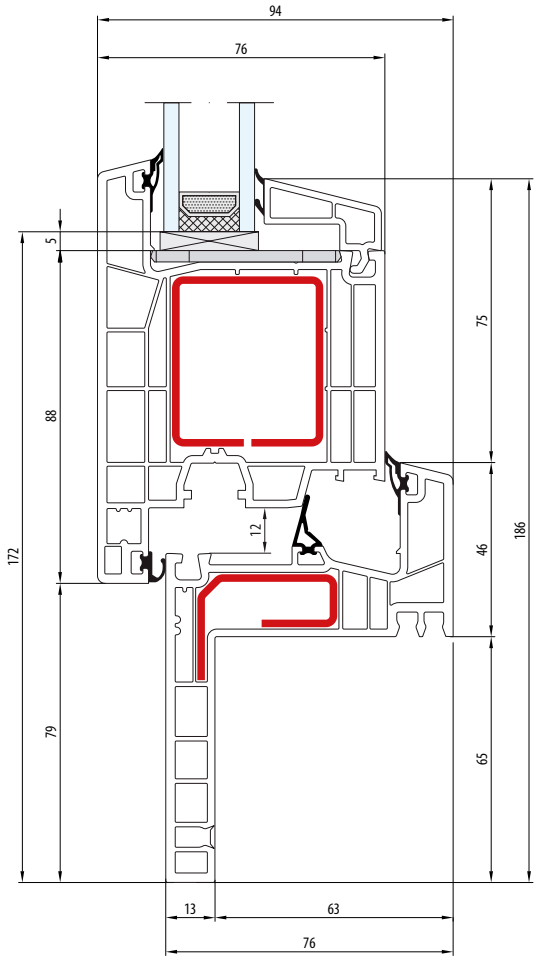




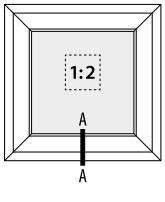


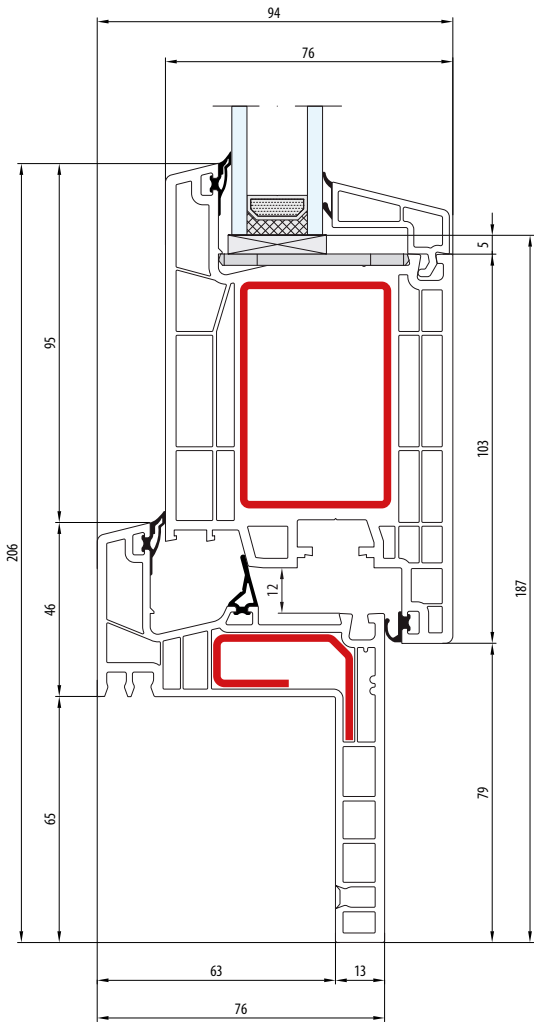

- RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 112 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 112 mm
- RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 112 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 112 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 112 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 112 mm



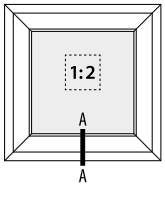


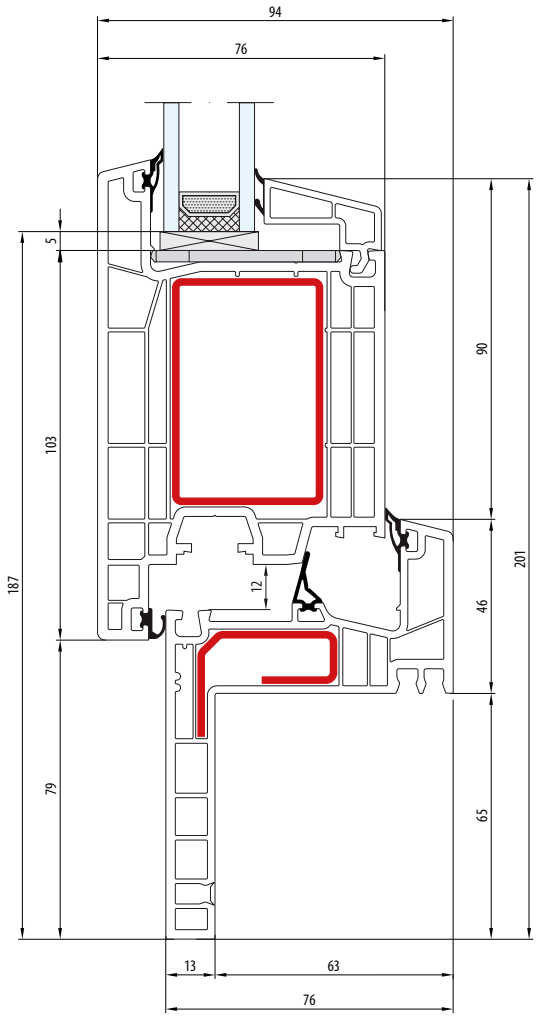

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 112 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 112 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 112 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 112 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 112 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 112 mm



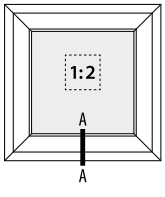


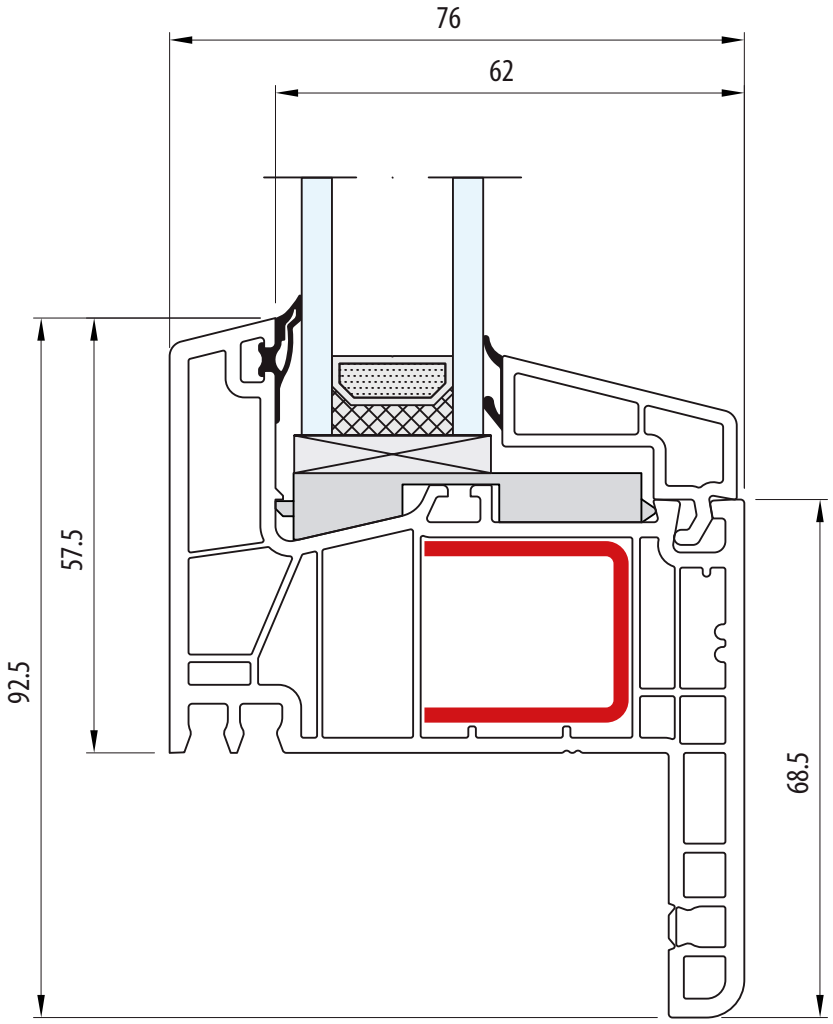

- RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 127 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 127 mm
- RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 127 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 127 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 127 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 127 mm



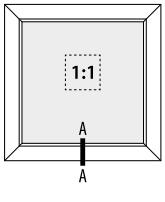


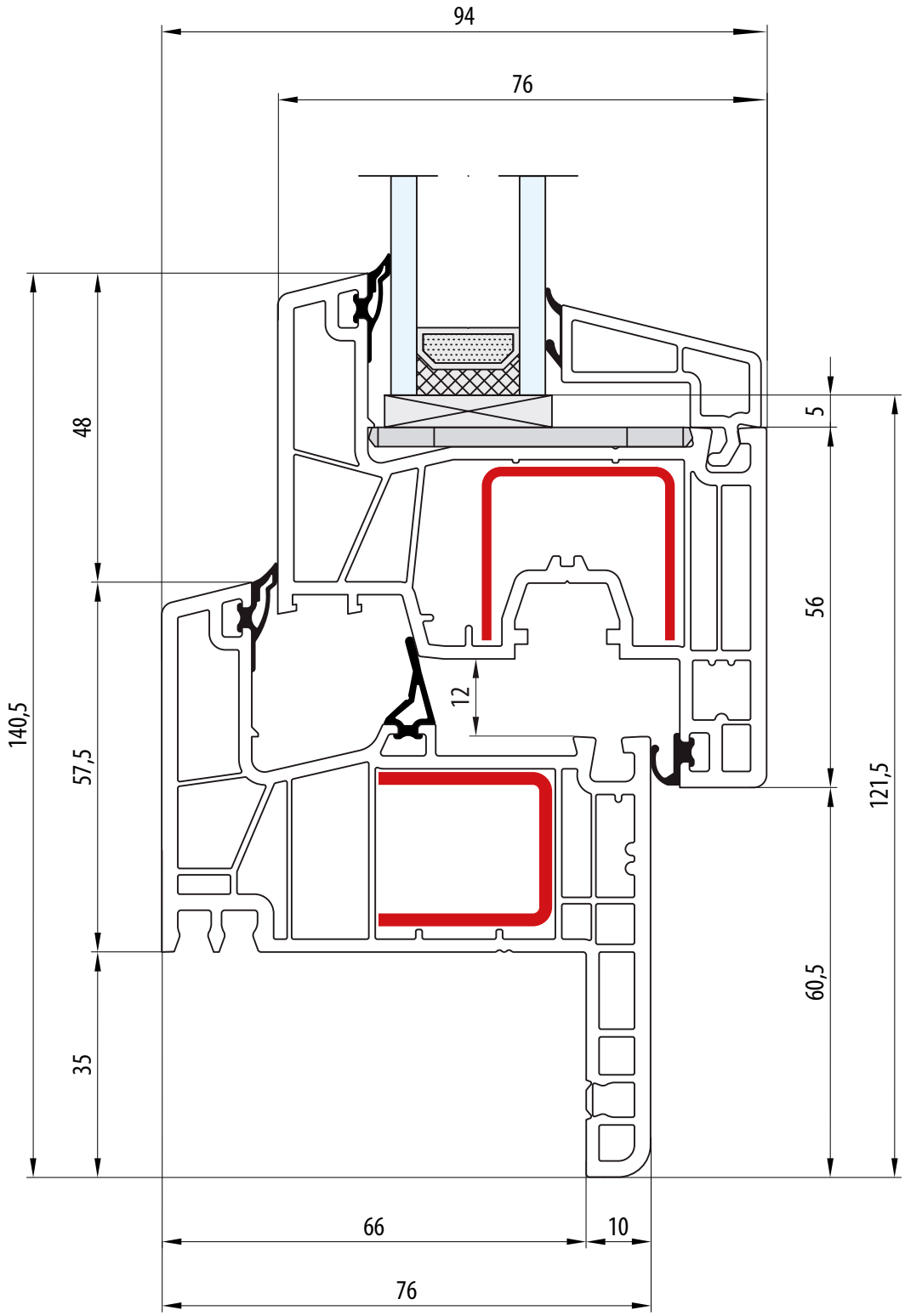

RENOWACJA - Płetwa: 65 mm · Rama: 46 mm · Skrzydło: 127 mm
RÉNOVATION - Lip: 65 mm · Dormant: 46 mm · Vantail: 127 mm
RENOVATION - Strip: 65 mm · Frame: 46 mm · Sash: 127 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 46 mm · Flügel: 127 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 46 mm · Anta: 127 mm
RENOVATIE - Vin: 65 mm · Kozijn: 46 mm · Vleugel: 127 mm



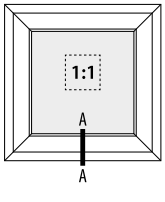


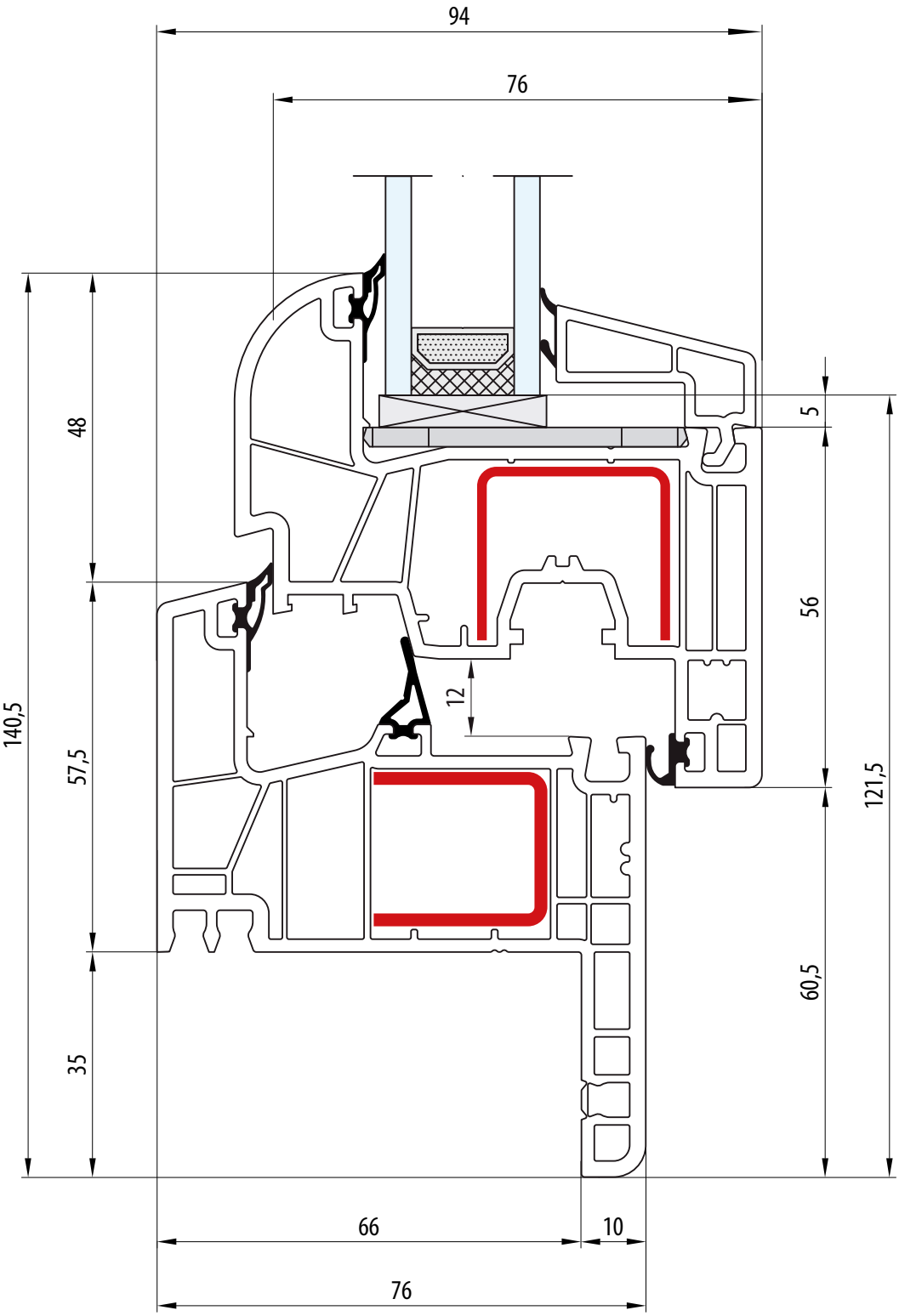

RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm
RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm
RENOVATION - Strip: 35 mm · Frame: 57,5 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm
RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm



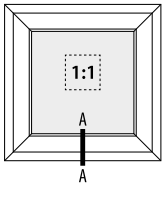


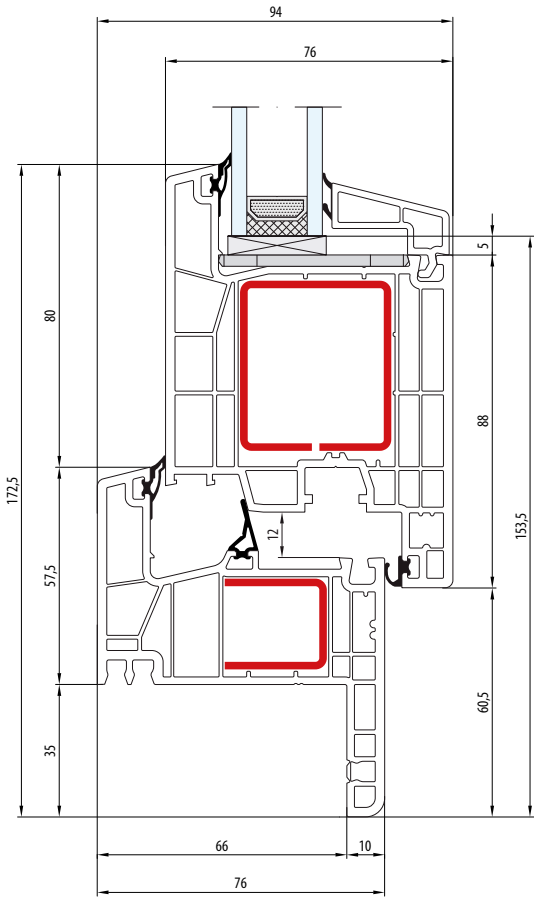

- RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 80 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 80 mm
- RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 80 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 80 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 80 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 80 mm



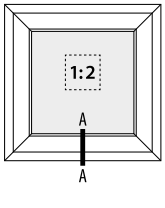


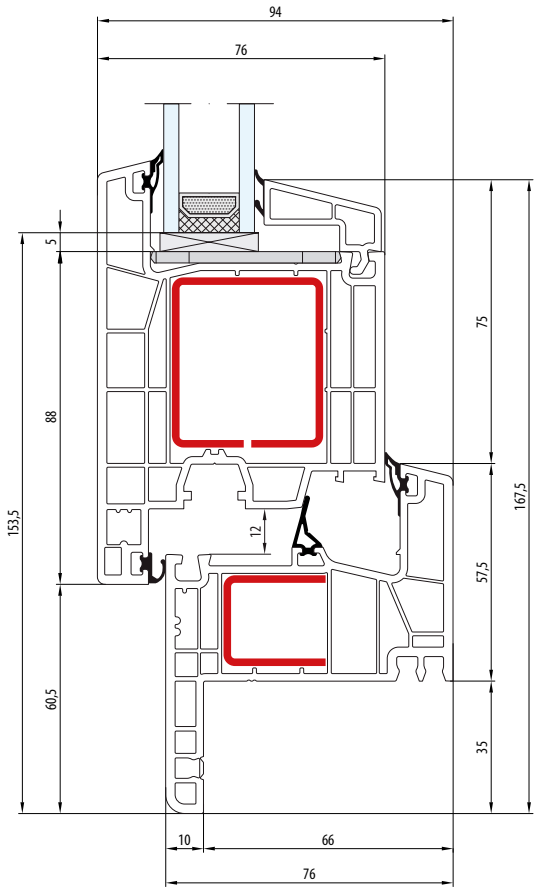

RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 80 mm
RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 80 mm
RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 80 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 80 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 80 mm
RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 80 mm



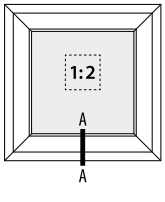


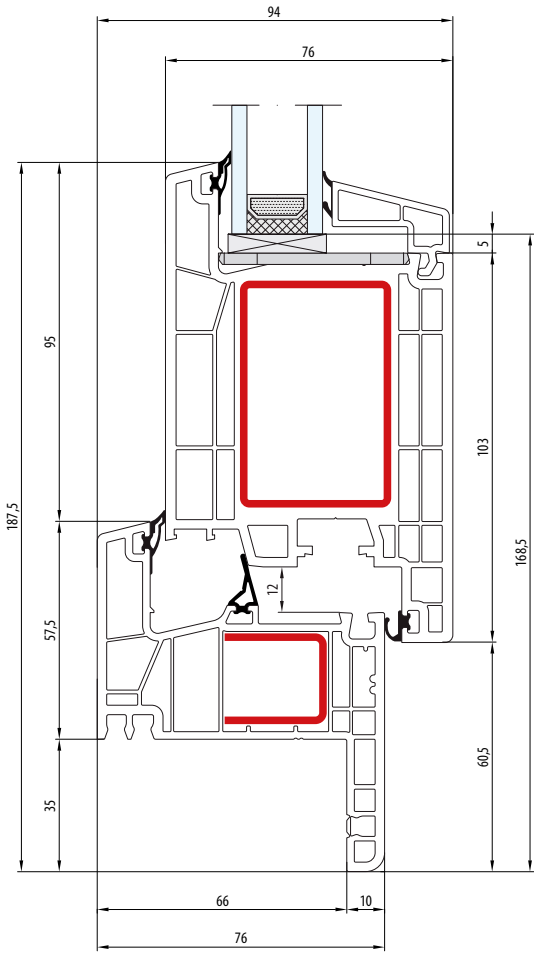

- RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 112 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 112 mm
- RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 112 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 112 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 112 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 112 mm



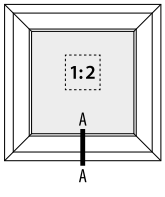


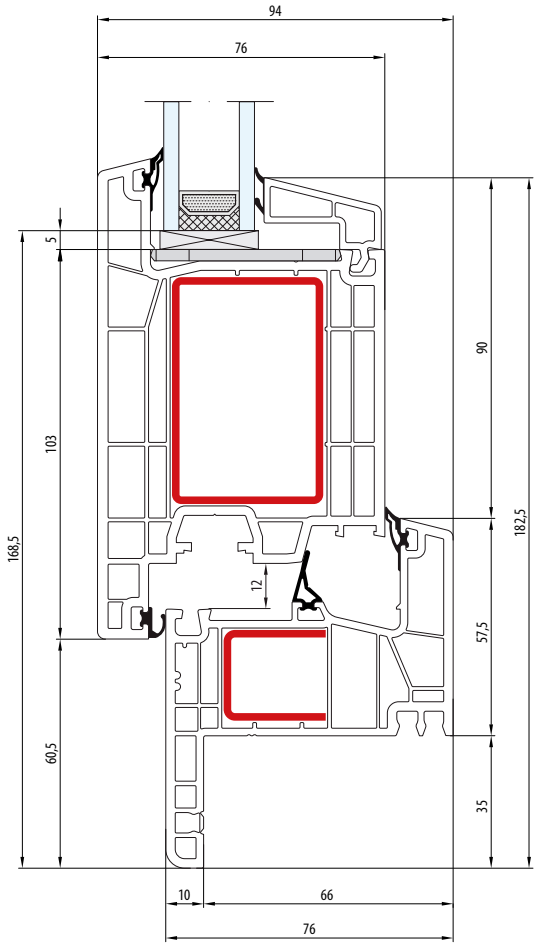

- RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 112 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 112 mm
- RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 112 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 112 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 112 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 112 mm



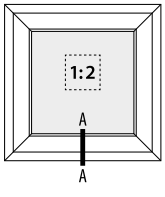


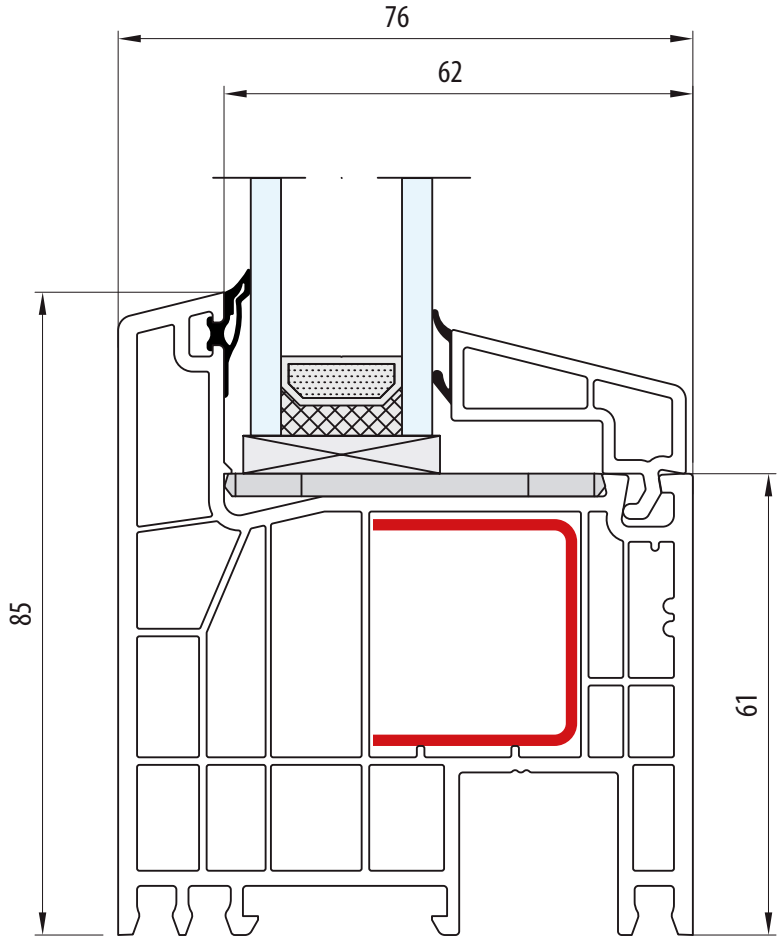

- RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 127 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 80 mm
- RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 80 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 80 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 80 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 80 mm



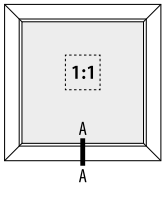


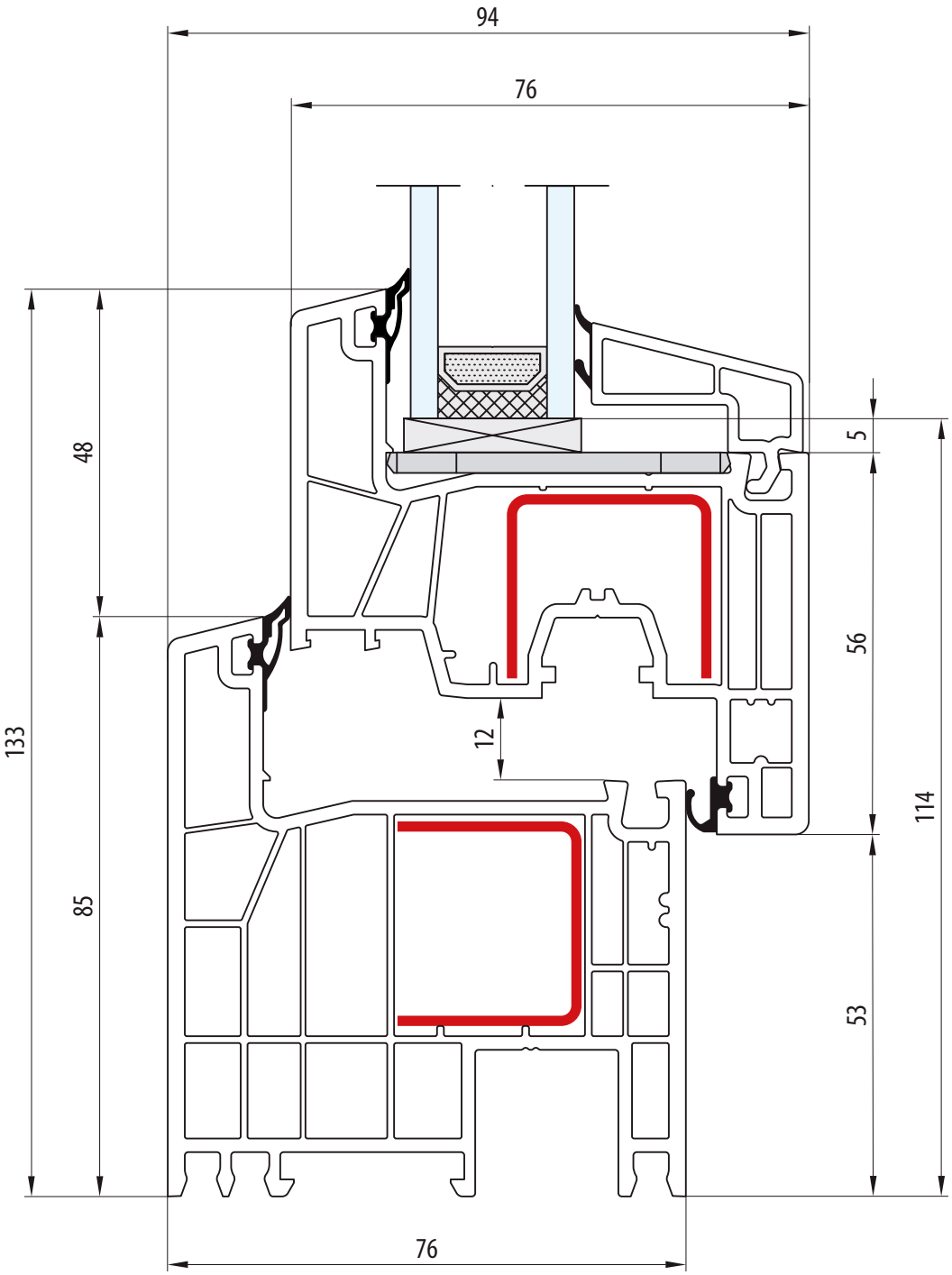

- RENOWACJA - Płetwa: 35 mm · Rama: 57,5 mm · Skrzydło: 127 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 57,5 mm · Vantail: 104 mm
- RENOVATION - Strip: 35 mm · Frame: 57,5 mm · Sash: 104 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 57,5 mm · Flügel: 104 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 57,5 mm · Anta: 104 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 57,5 mm · Vleugel: 104 mm



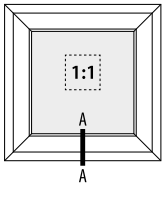


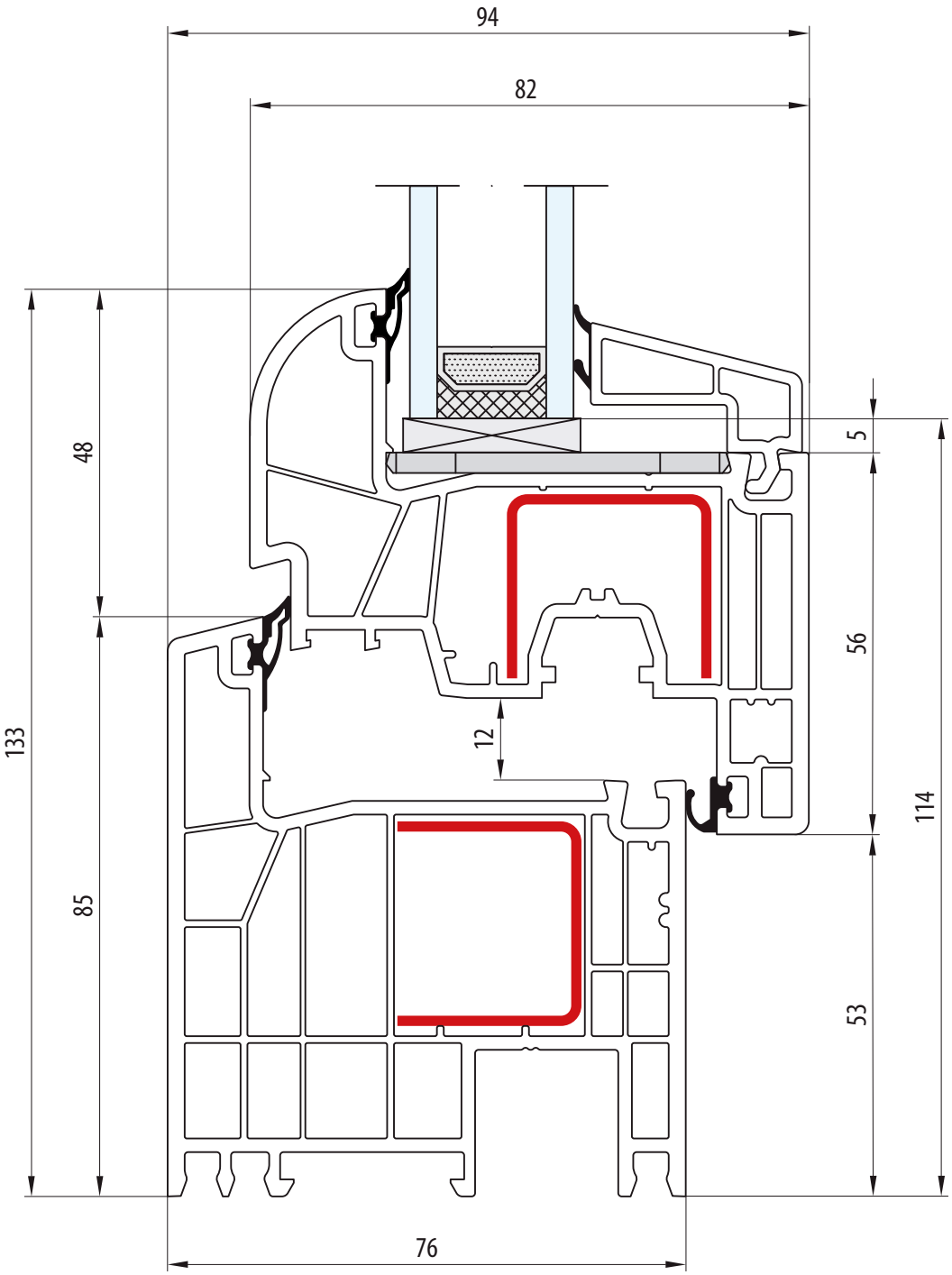

- Rama: 85 mm
- Dormant: 85 mm
- Frame: 85 mm
- Rahmen: 85 mm
- Telaio: 85 mm
- Kozijn: 85 mm



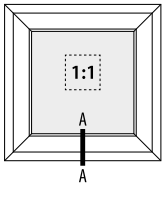


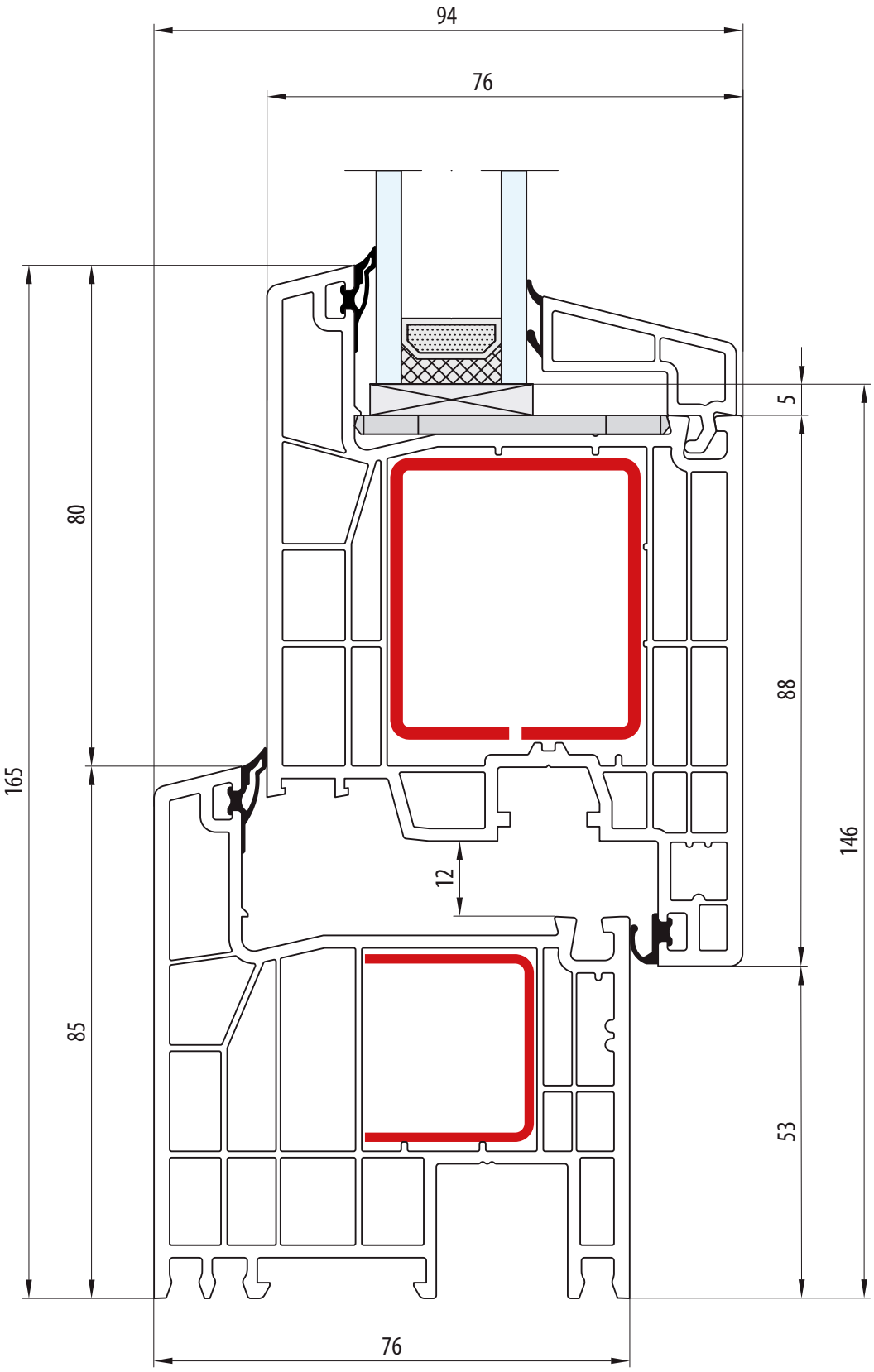

- Rama: 85 mm · Skrzydło: 80 mm
- Dormant: 85 mm · Vantail: 80 mm
- Frame: 85 mm · Sash: 80 mm
- Rahmen: 85 mm · Flügel: 80 mm
- Telaio: 85 mm · Anta: 80 mm
- Kozijn: 85 mm · Vleugel: 80 mm



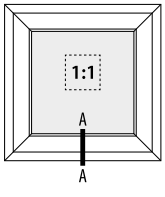


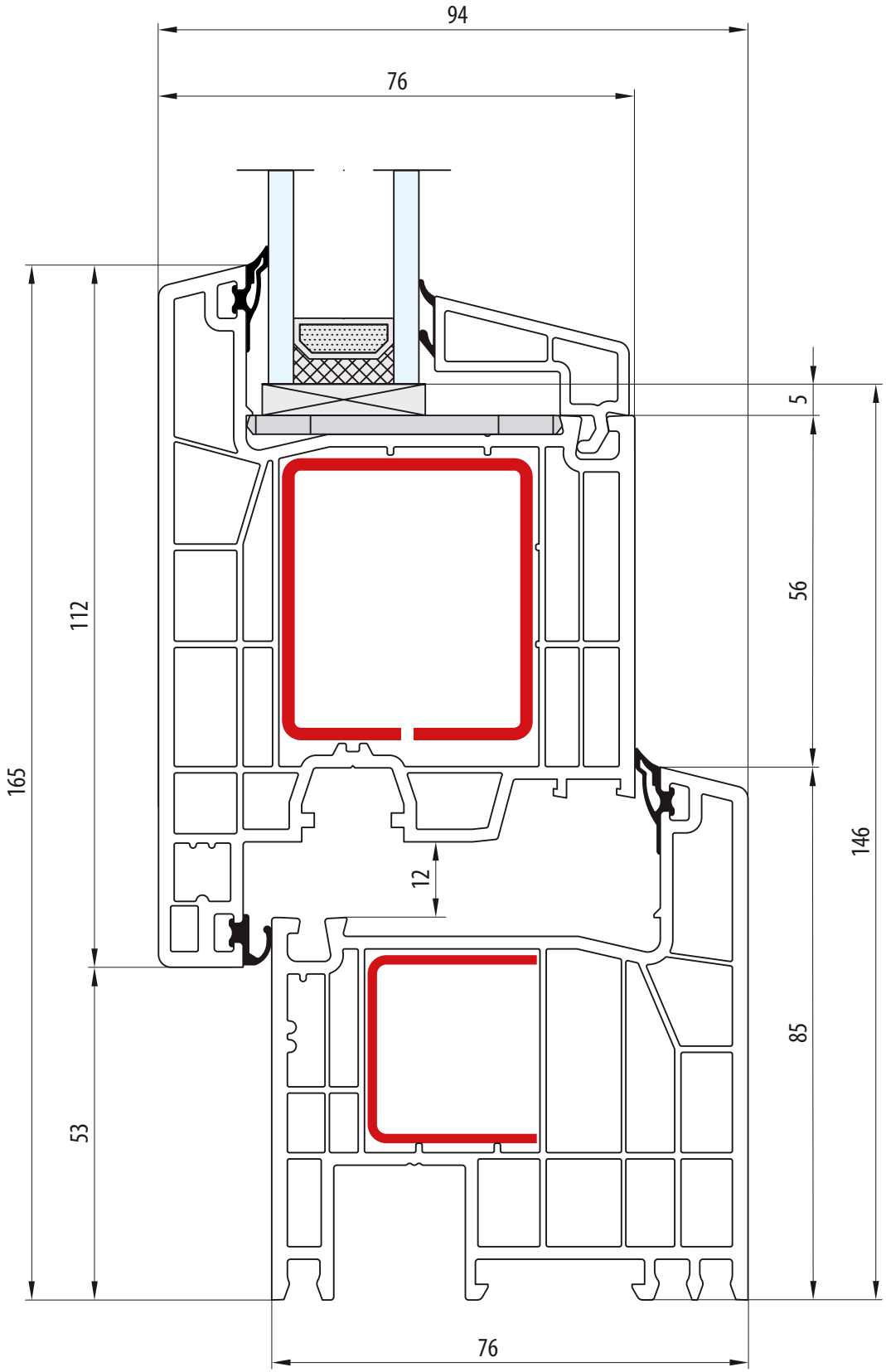

- Rama: 85 mm · Skrzydło: 80 mm
- Dormant: 85 mm · Vantail: 80 mm
- Frame: 85 mm · Sash: 80 mm
- Rahmen: 85 mm · Flügel: 80 mm
- Telaio: 85 mm · Anta: 80 mm
- Kozijn: 85 mm · Vleugel: 80 mm



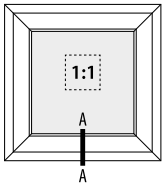


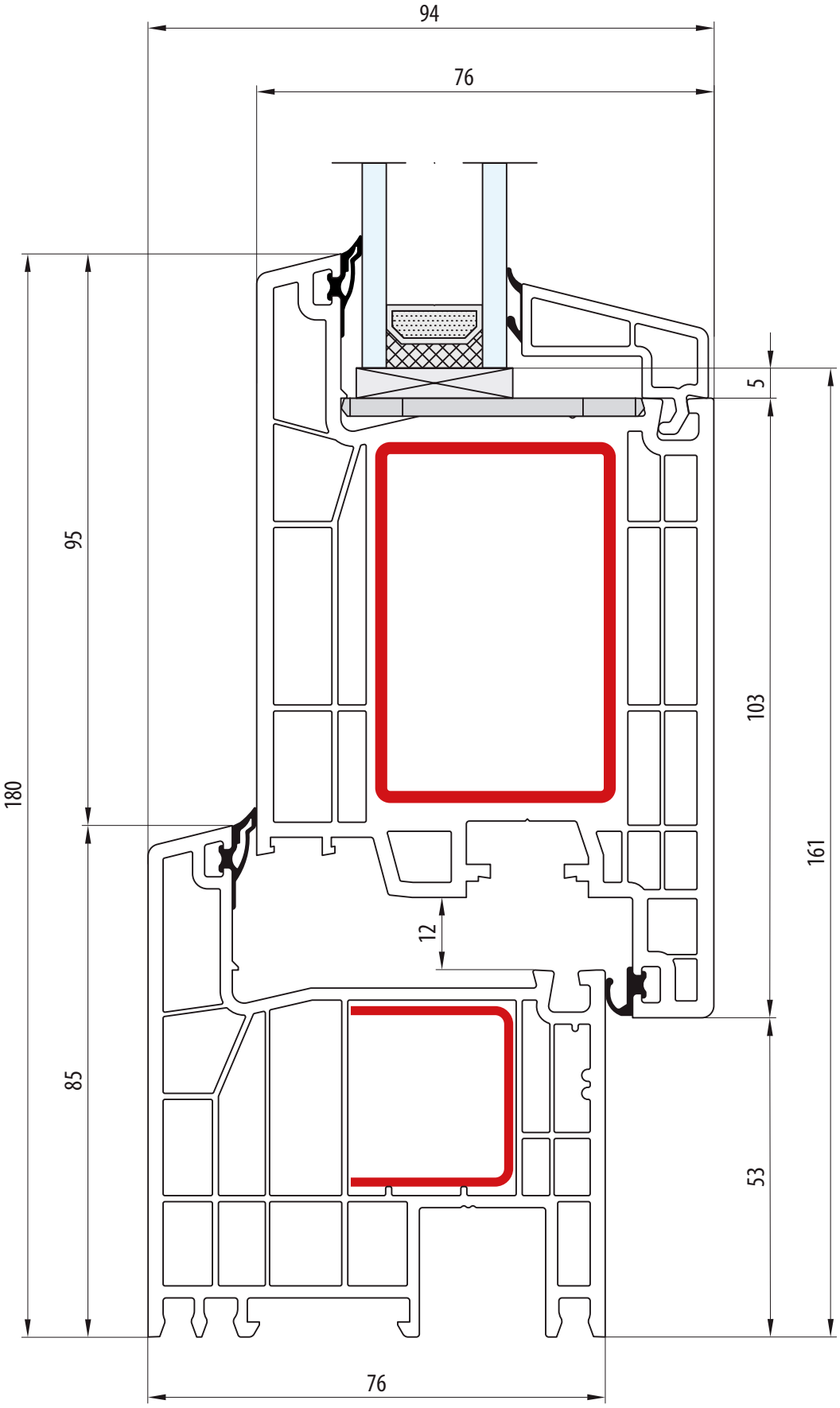

Rama: 85 mm · Skrzydło: 112 mm
Dormant: 85 mm · Vantail: 112 mm
Frame: 85 mm · Sash: 112 mm
Rahmen: 85 mm · Flügel: 112 mm
Telaio: 85 mm · Anta: 112 mm
Kozijn: 85 mm · Vleugel: 112 mm



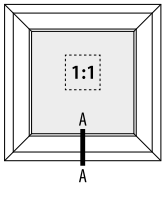


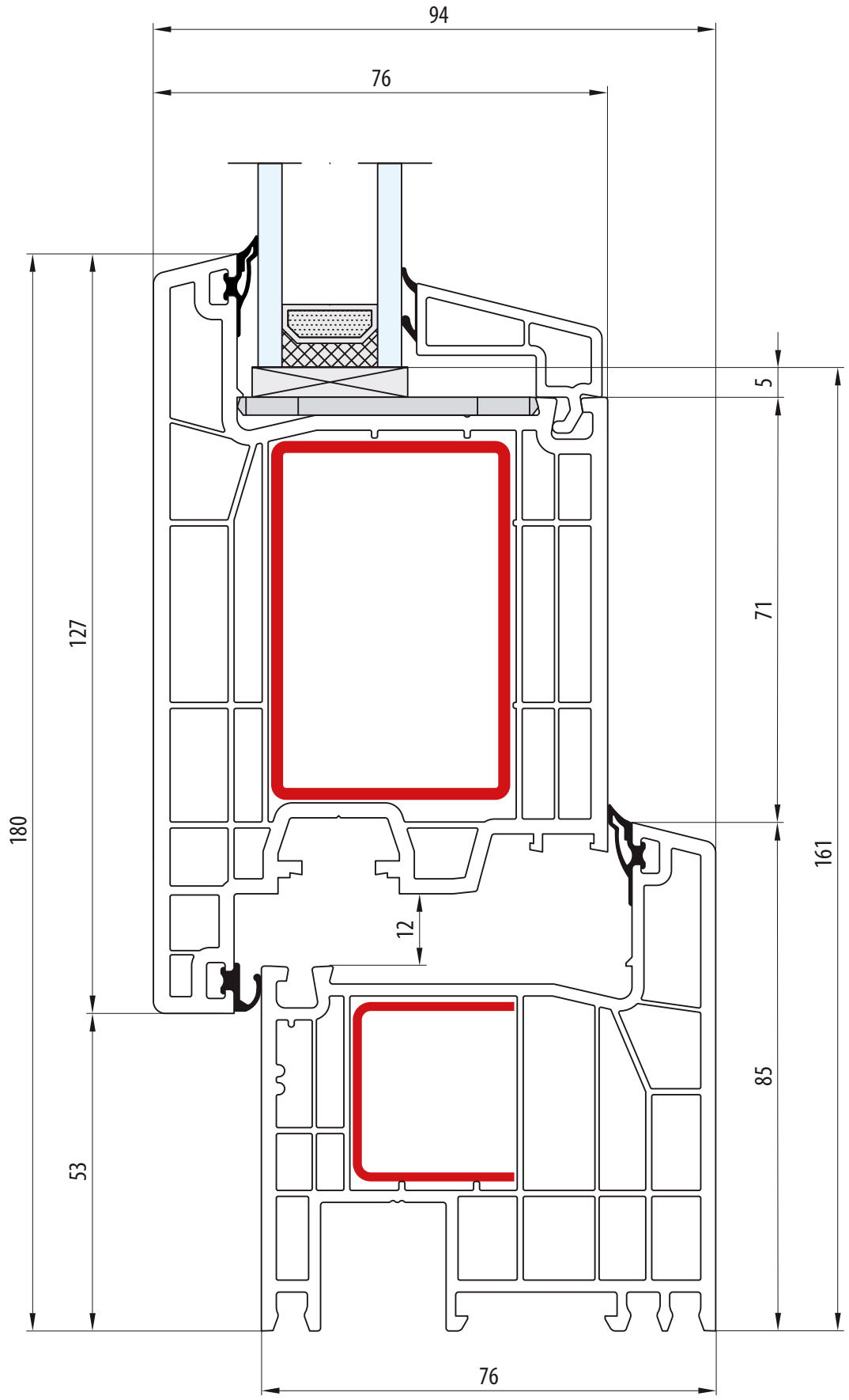

- Rama: 85 mm · Skrzydło: 112 mm
- Dormant: 85 mm · Vantail: 112 mm
- Frame: 85 mm · Sash: 112 mm
- Rahmen: 85 mm · Flügel: 112 mm
- Telaio: 85 mm · Anta: 112 mm
- Kozijn: 85 mm · Vleugel: 112 mm



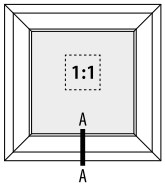



- Rama: 85 mm · Skrzydło: 127 mm
- Dormant: 85 mm · Vantail: 127 mm
- Frame: 85 mm · Sash: 127 mm
- Rahmen: 85 mm · Flügel: 127 mm
- Telaio: 85 mm · Anta: 127 mm
- Kozijn: 85 mm · Vleugel: 127 mm






- Rama: 85 mm · Skrzydło: 127 mm
- Dormant: 85 mm · Vantail: 127 mm
- Frame: 85 mm · Sash: 127 mm
- Rahmen: 85 mm · Flügel: 127 mm
- Telaio: 85 mm · Anta: 127 mm
- Kozijn: 85 mm · Vleugel: 127 mm



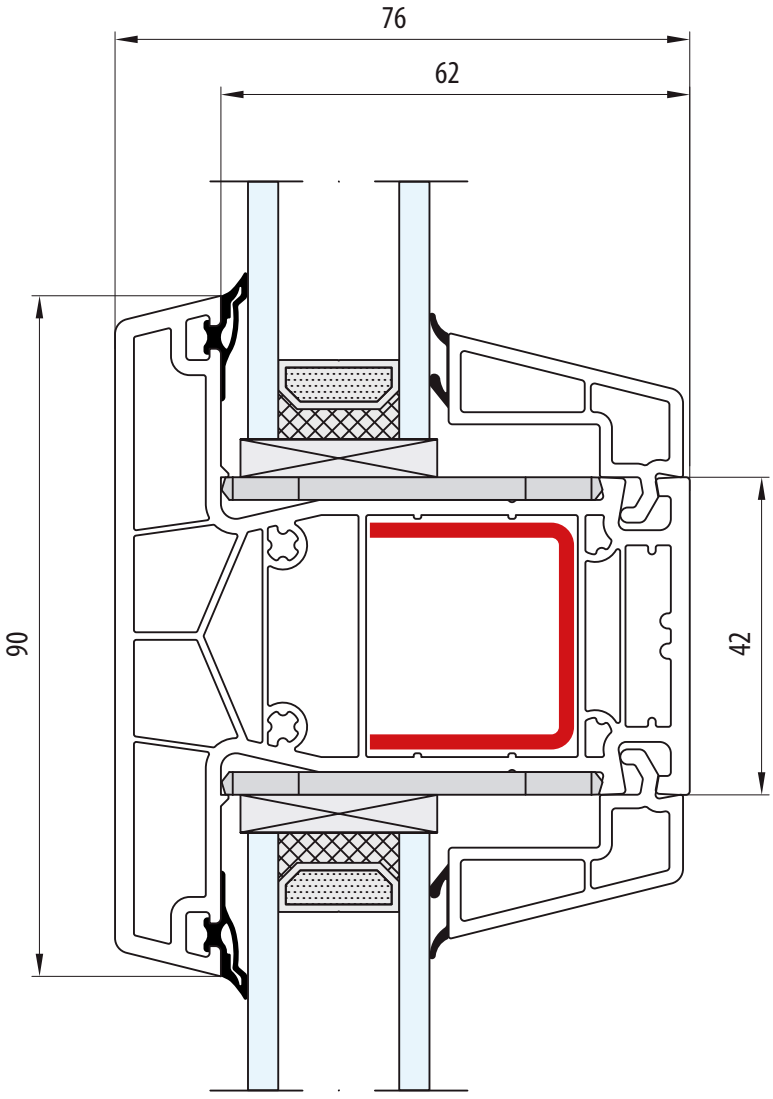




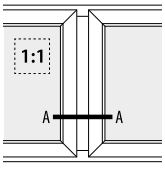






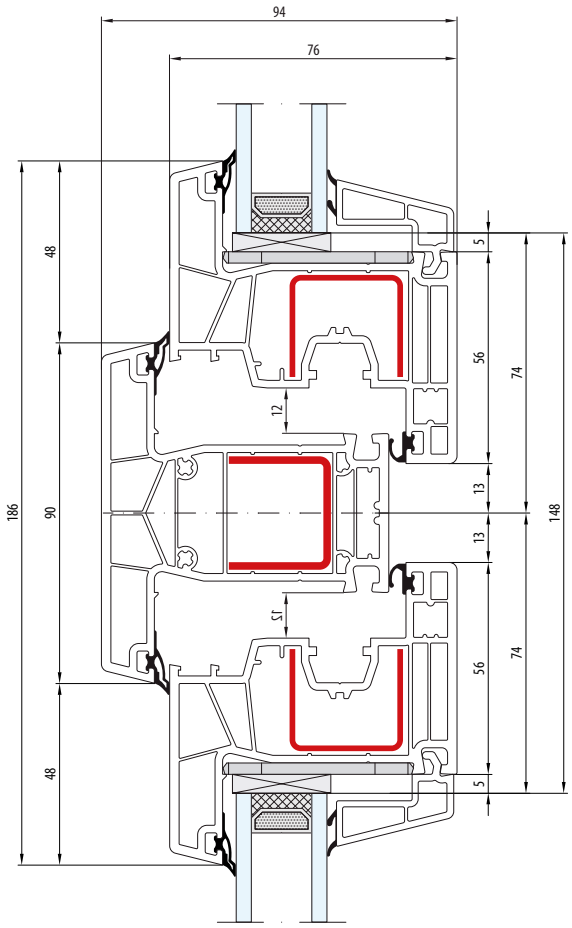



- Słupek stały: 90 mm
- Meneau fixe: 90 mm
- Fix post: 90 mm
- Festem Pfahl:90 mm
- Montante fisso: 90 mm
- Vaste stijl: 90 mm

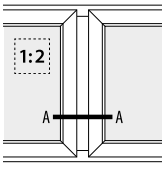


CL

SL
CL
RL
H

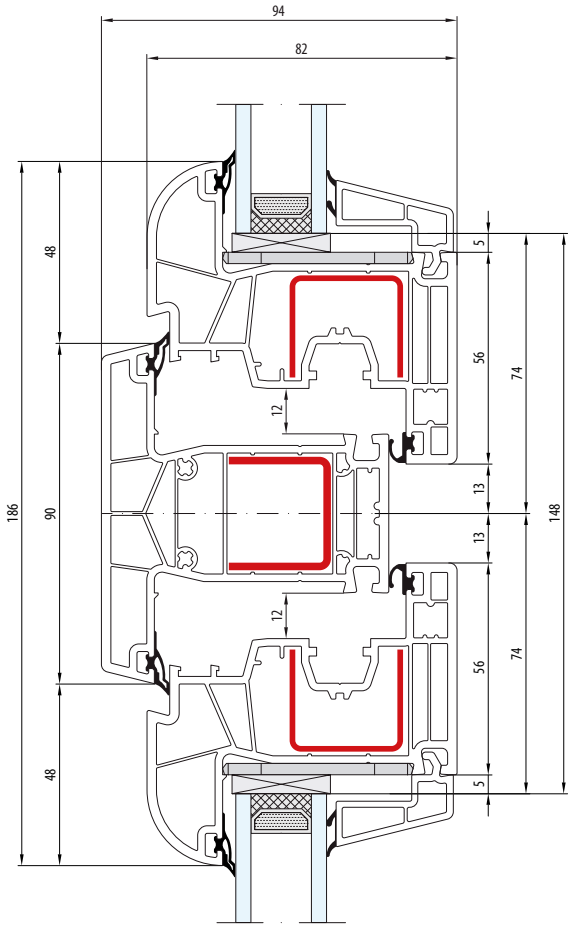



Słupek stały: 90 mm · Skrzydło: 80 mm
Meneau fixe: 90 mm · Vantail: 80 mm
Fix post: 90 mm · Sash: 80 mm
Festem Pfahl: 90 mm · Flügel: 80 mm
Montante fisso: 90 mm · Anta: 80 mm
Vaste stijl: 90 mm · Vleugel: 80 mm

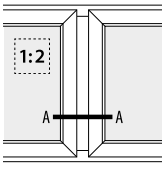


RL

SL CL RL H

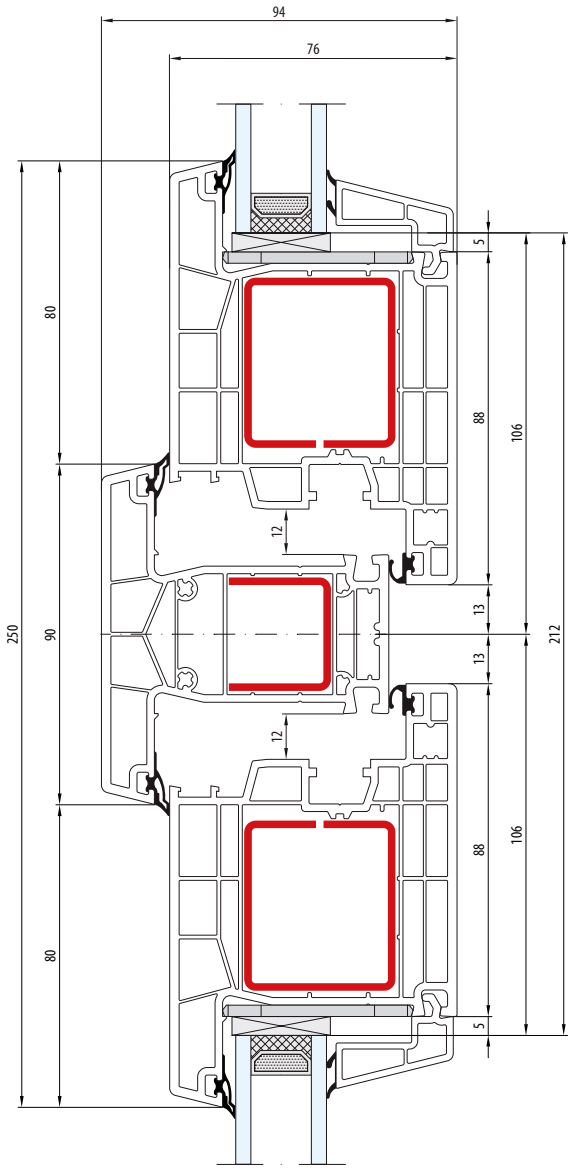



- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm

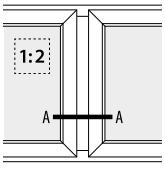


CL

SL
CL
RL
H




- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



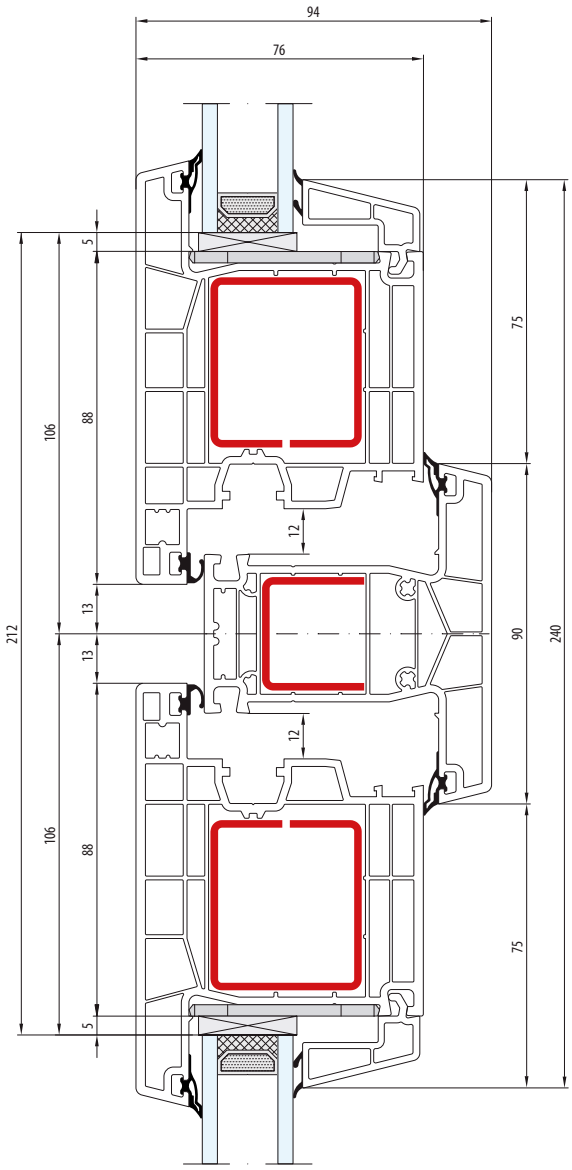




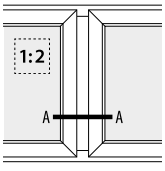






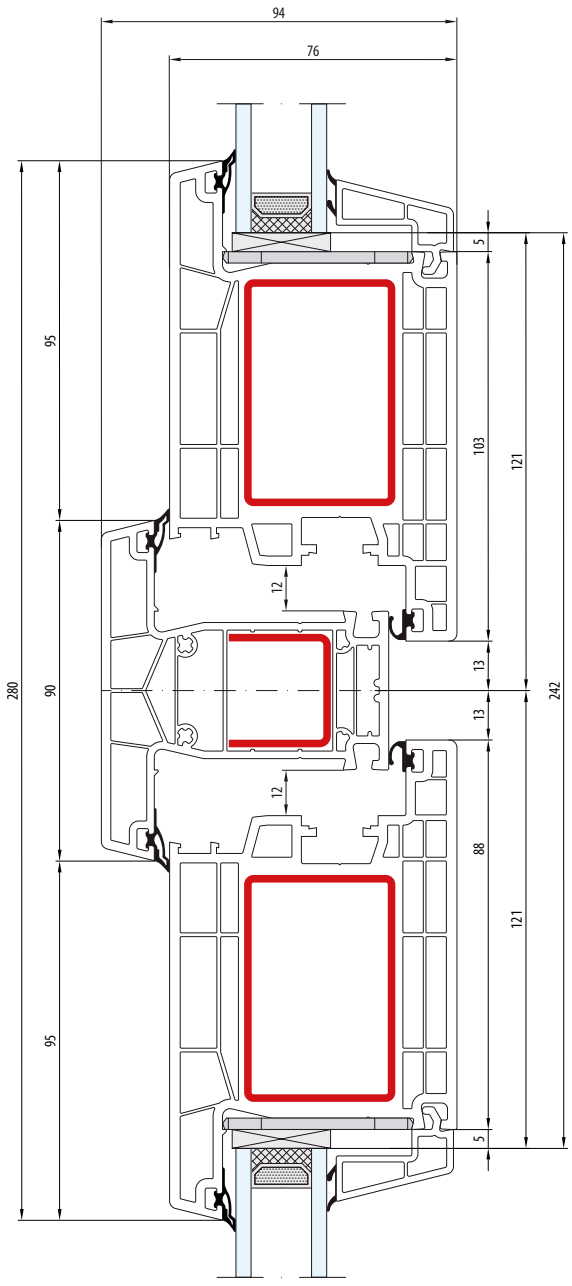



- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm

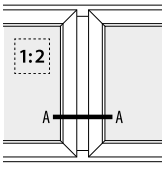


CL

SL
CL
RL
H

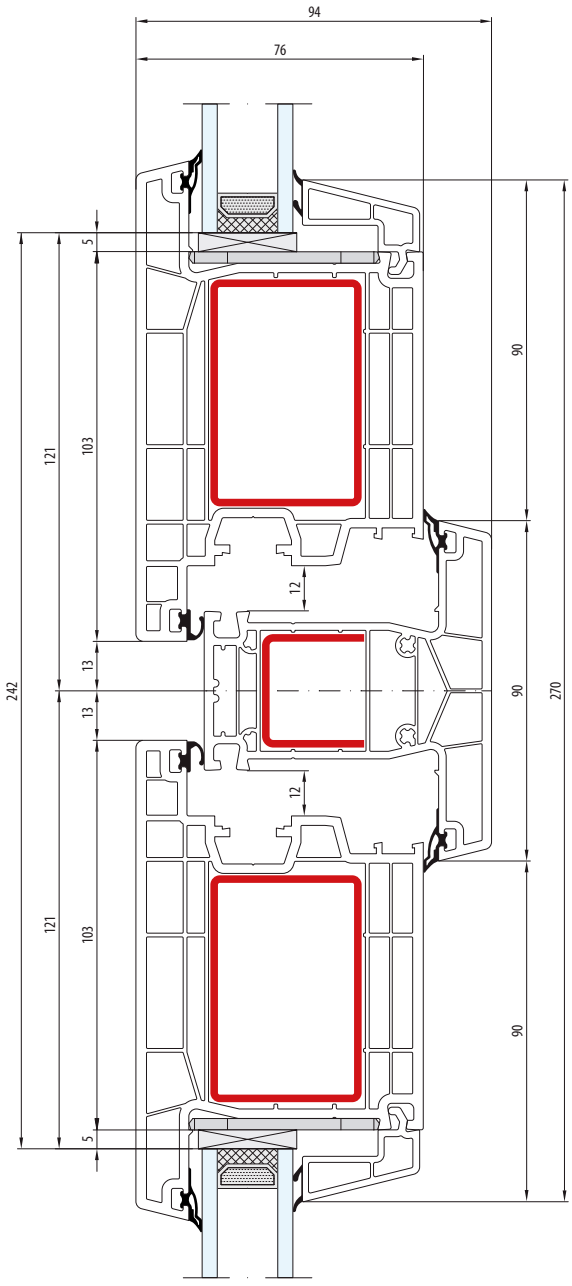



- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm

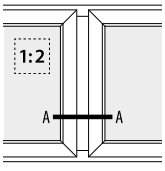


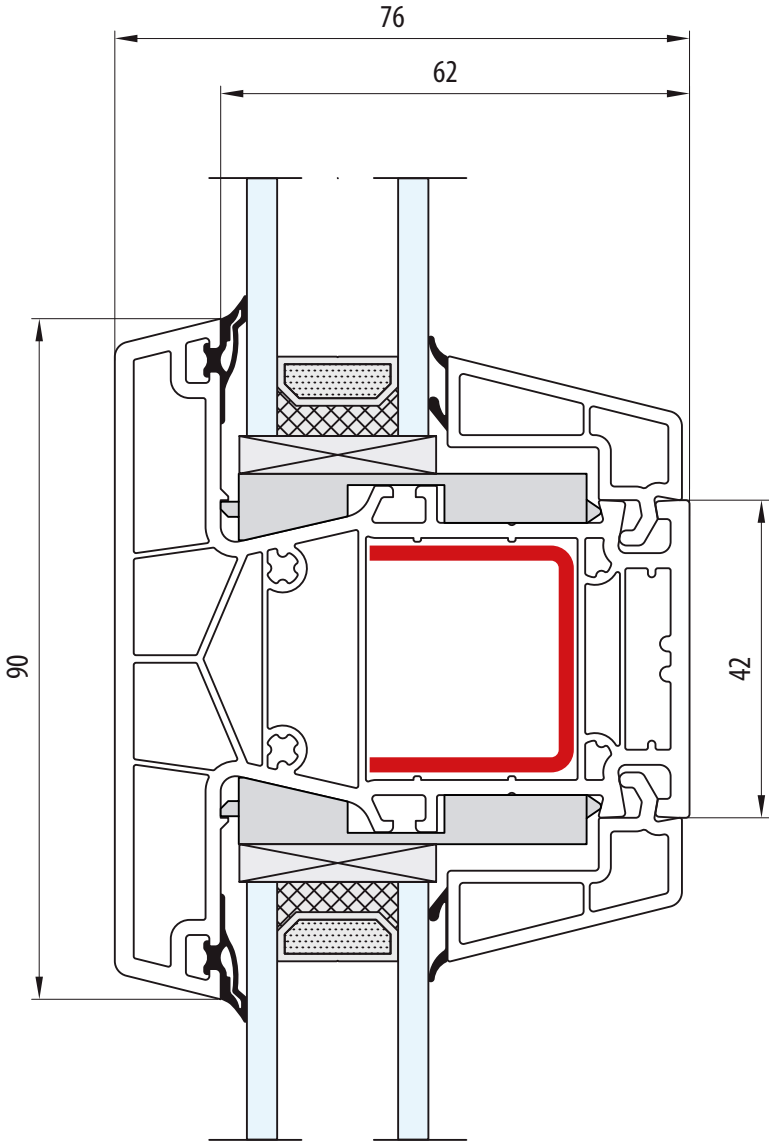
CL

SL CL RL H

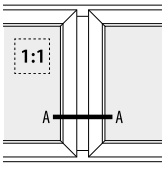


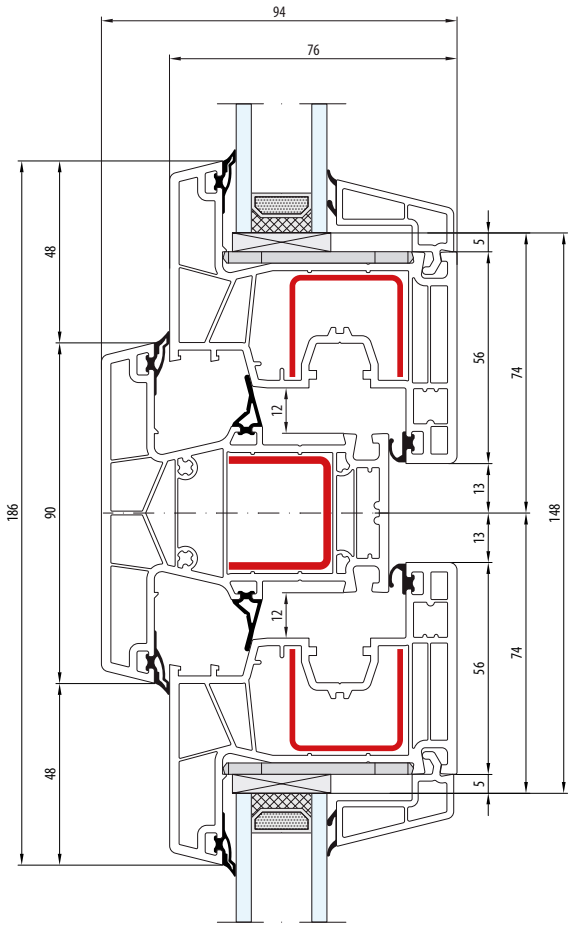

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



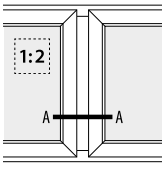


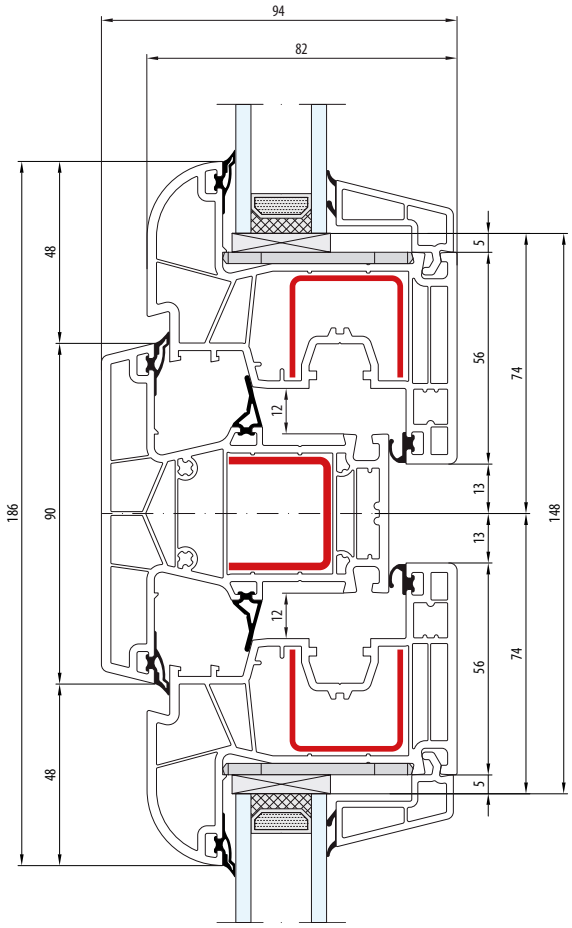

- Słupek stały: 90 mm
- Meneau fixe: 90 mm
- Fix post: 90 mm
- Festem Pfahl:90 mm
- Montante fisso: 90 mm
- Vaste stijl: 90 mm



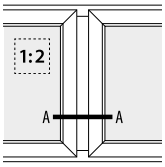


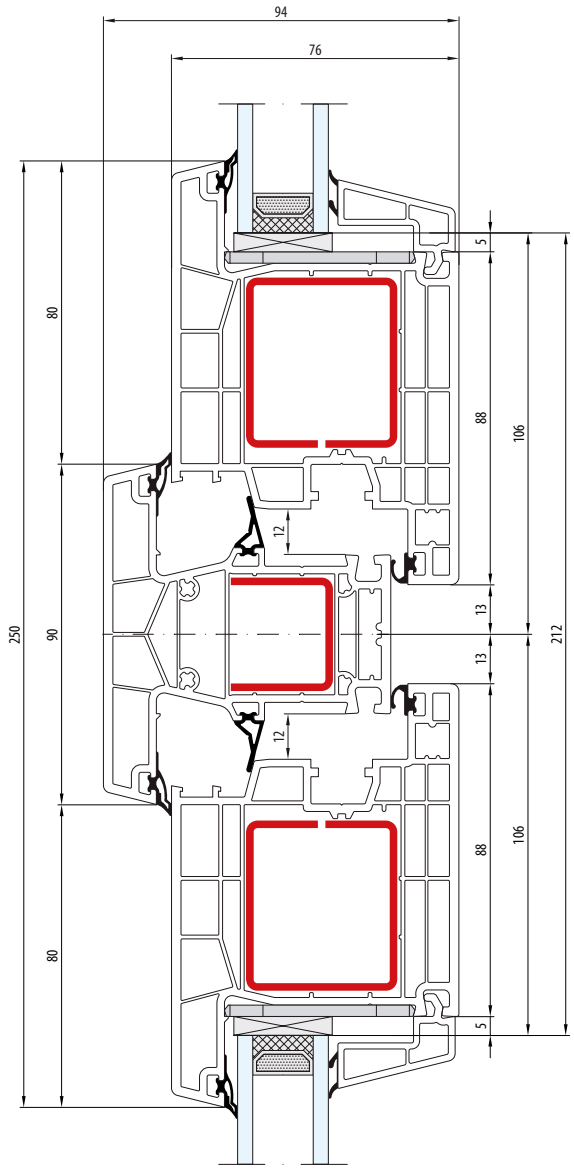

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



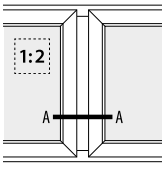


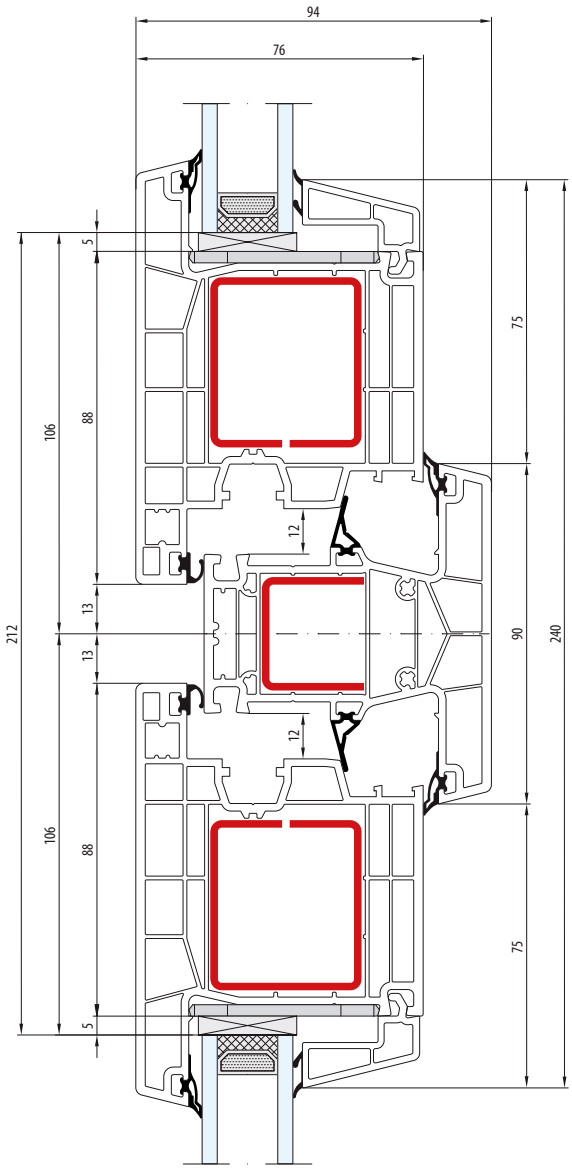

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



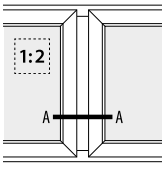


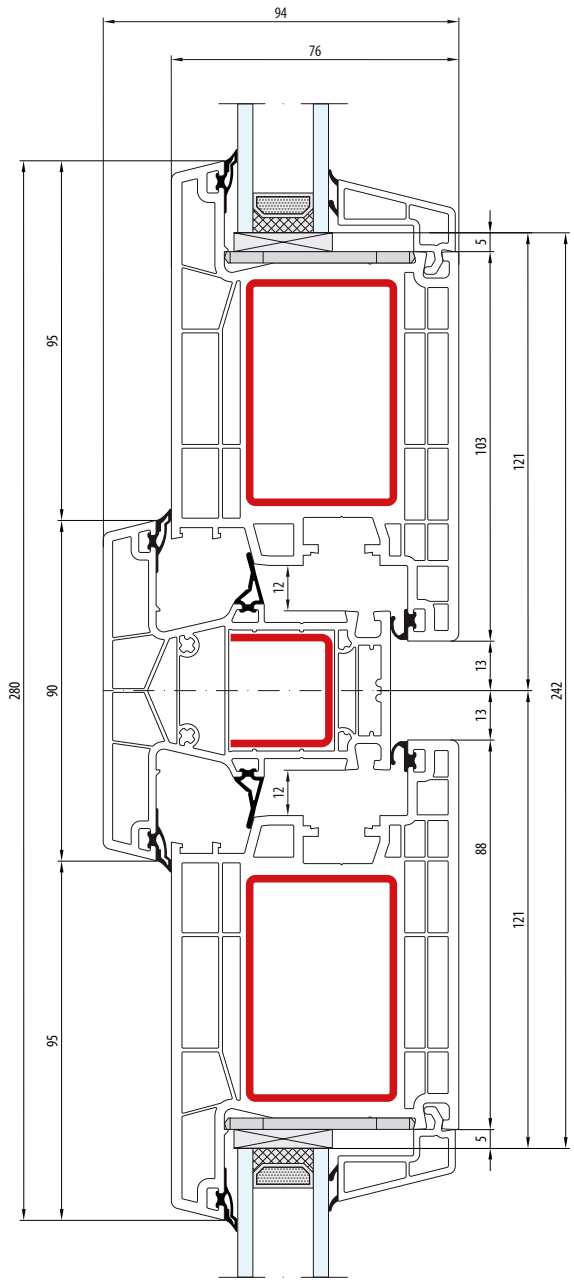

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



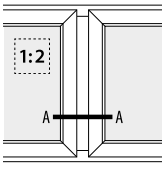


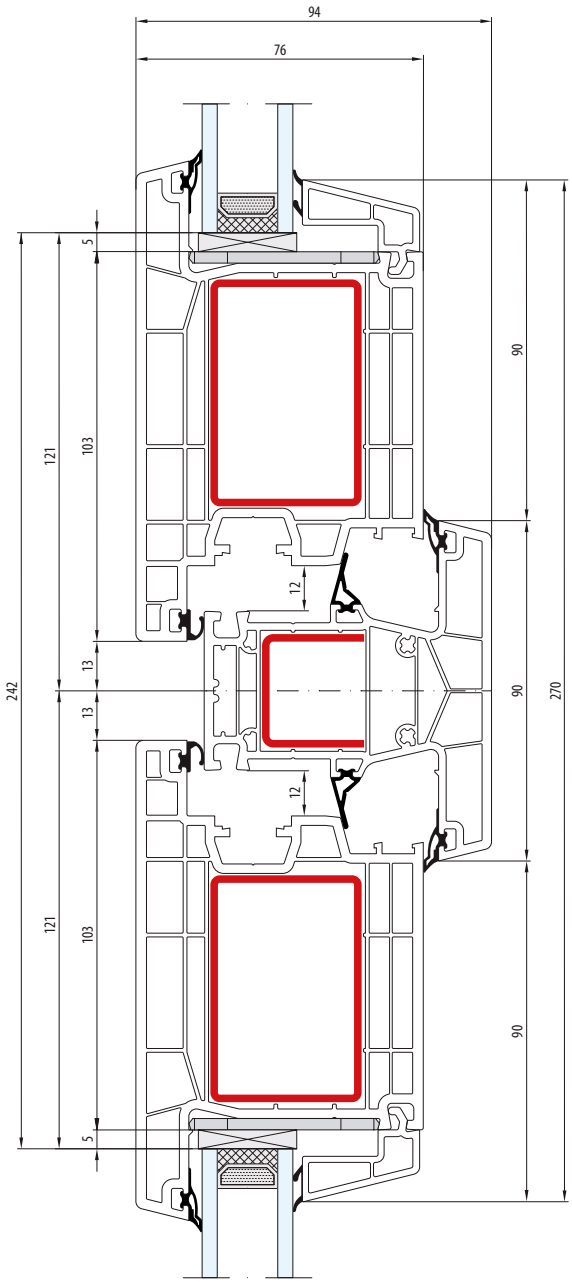

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



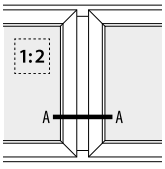


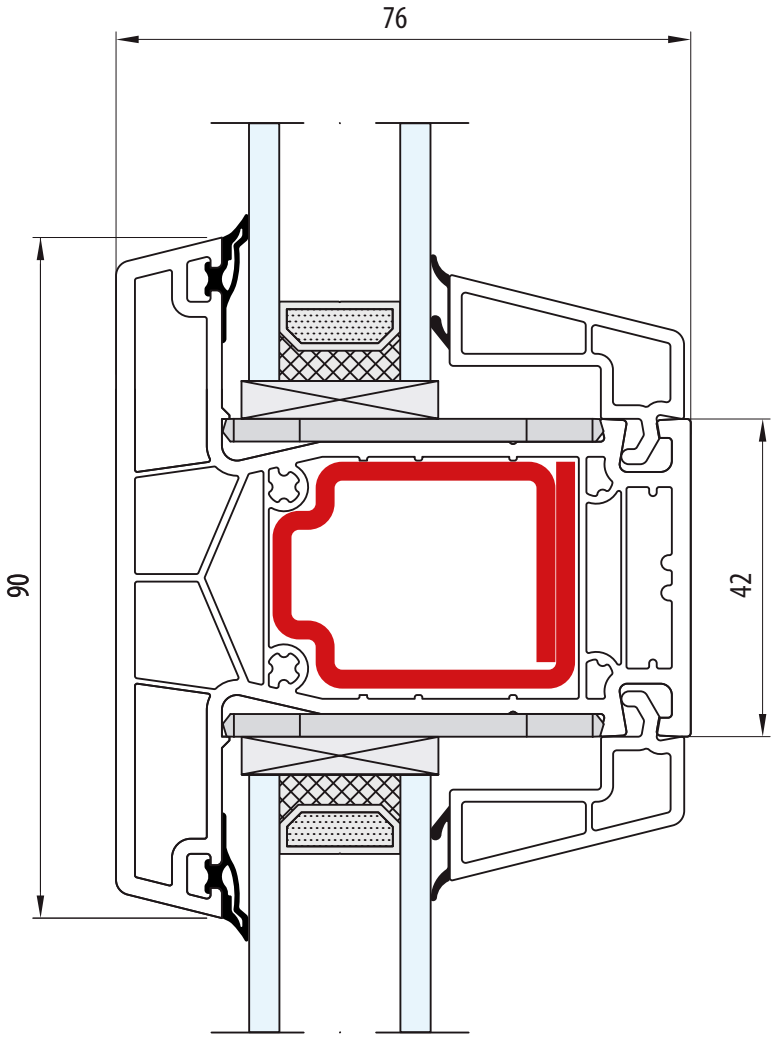

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



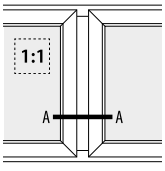


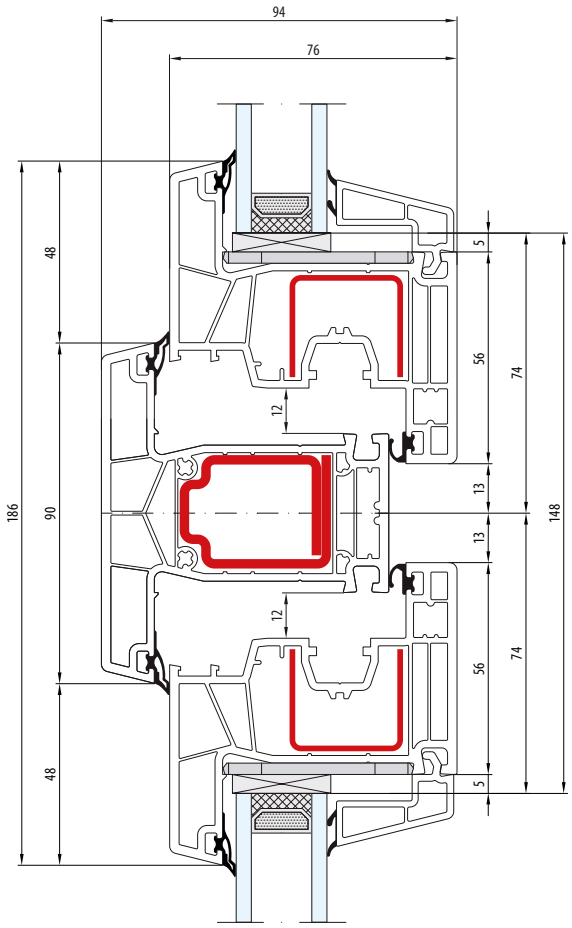

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



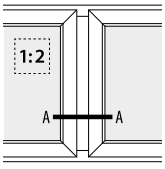


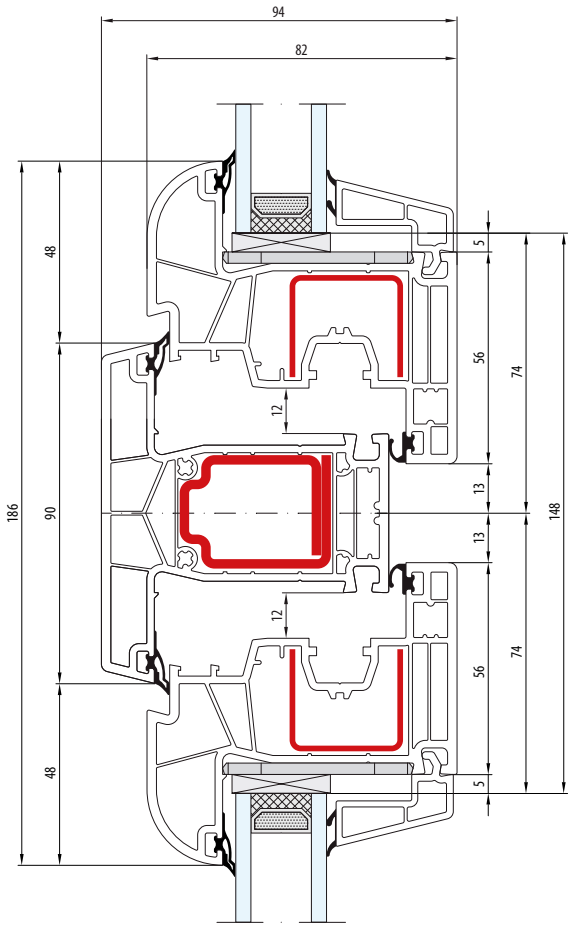

- Słupek stały: 90 mm
- Meneau fixe: 90 mm
- Fix post: 90 mm
- Festem Pfahl:90 mm
- Montante fisso: 90 mm
- Vaste stijl: 90 mm



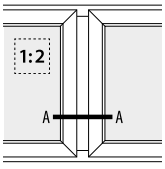


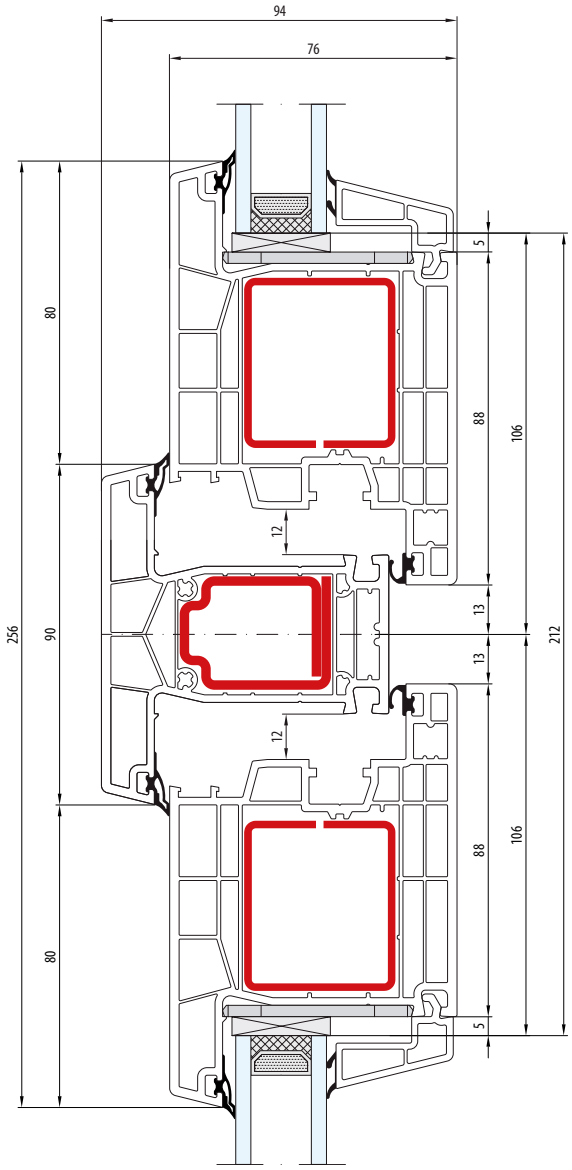

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



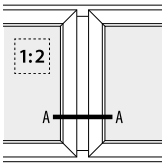


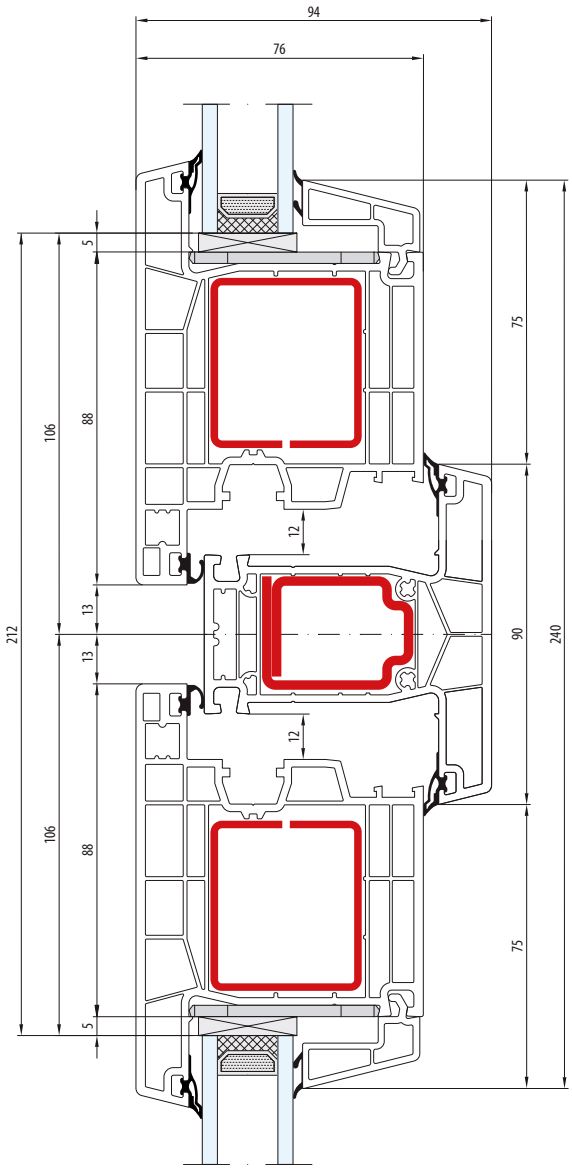

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



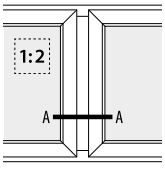


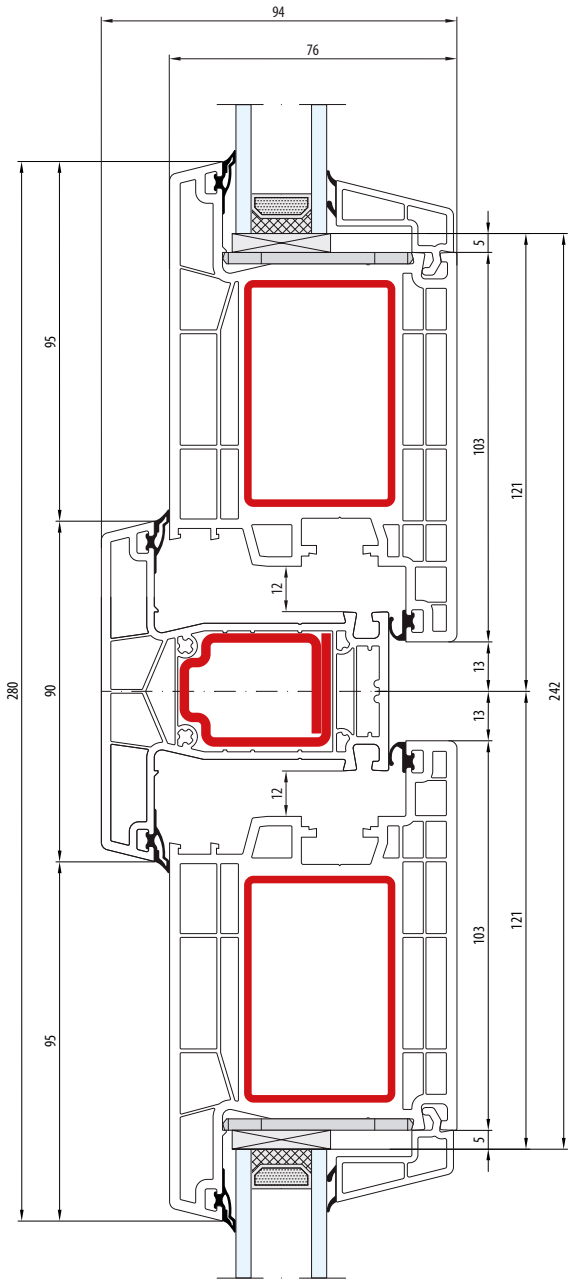

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



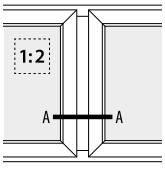


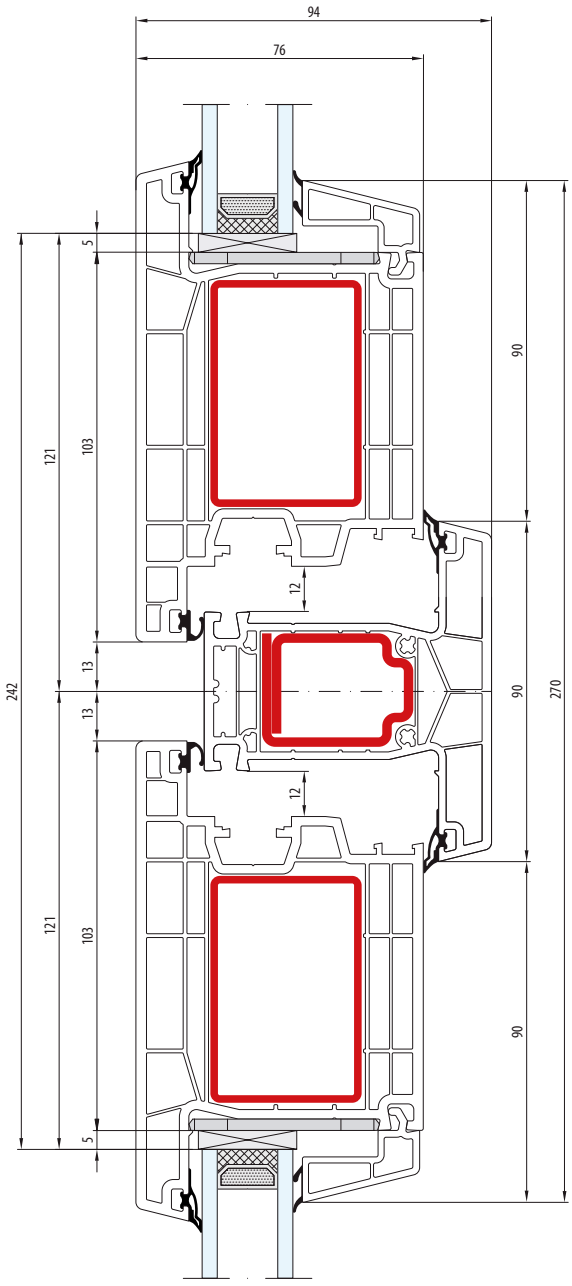

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



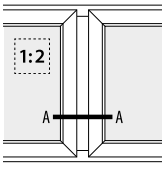


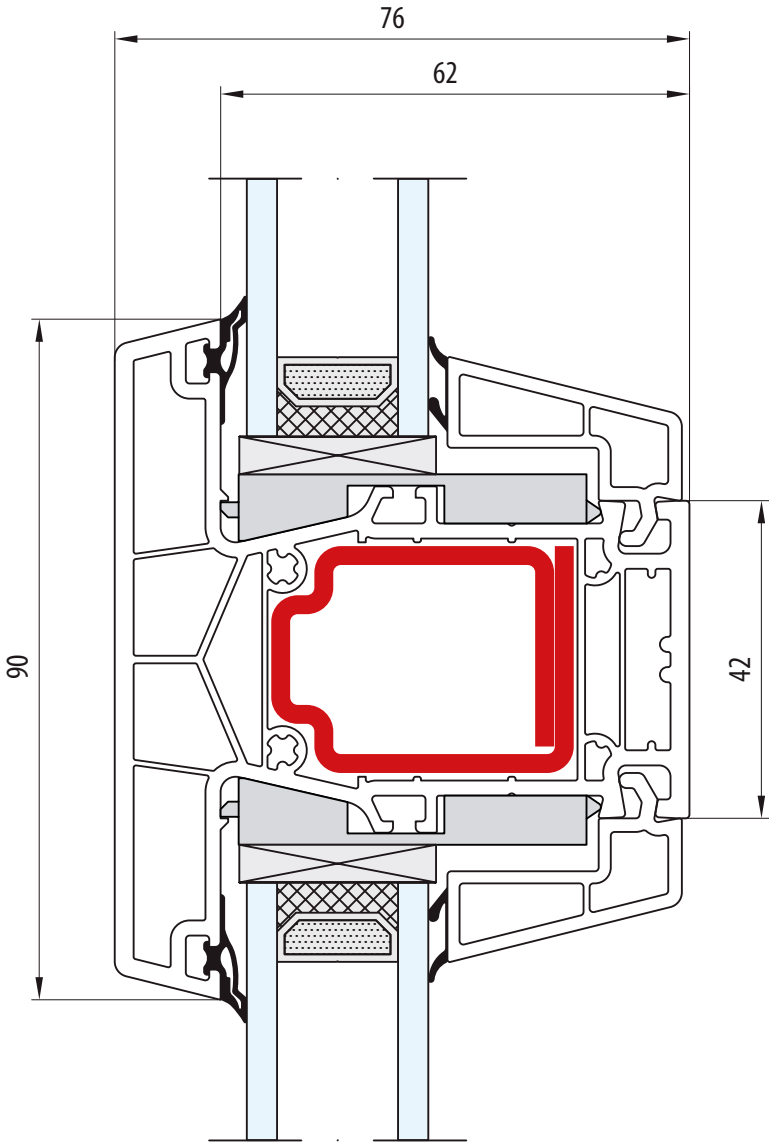

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



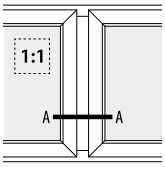


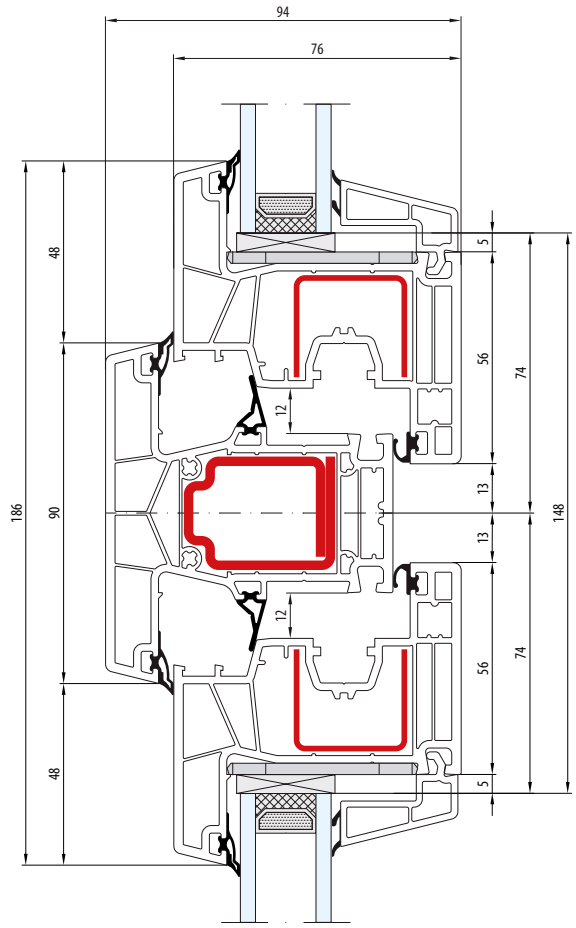

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



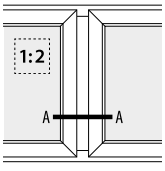


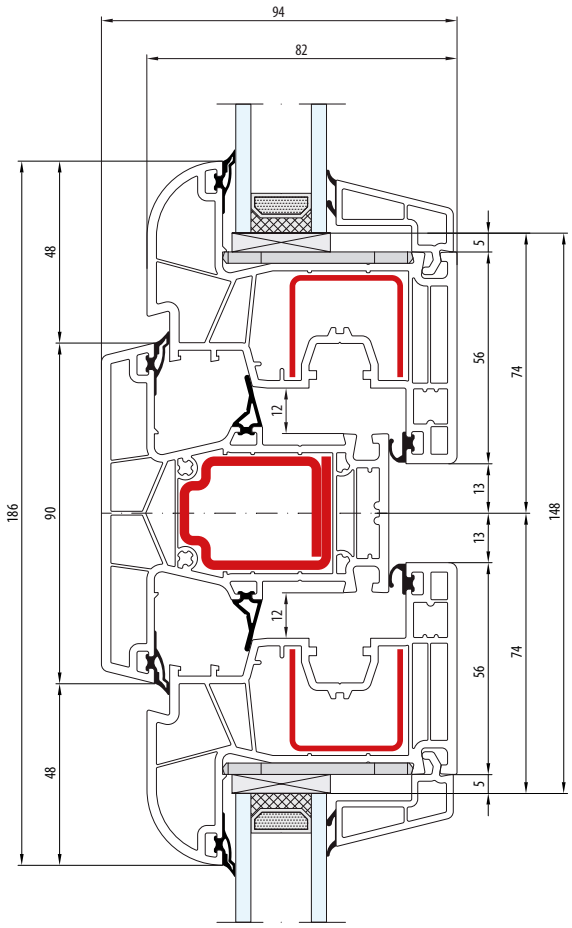

- Słupek stały: 90 mm
- Meneau fixe: 90 mm
- Fix post: 90 mm
- Festem Pfahl:90 mm
- Montante fisso: 90 mm
- Vaste stijl: 90 mm



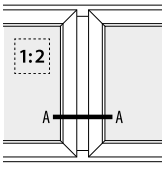


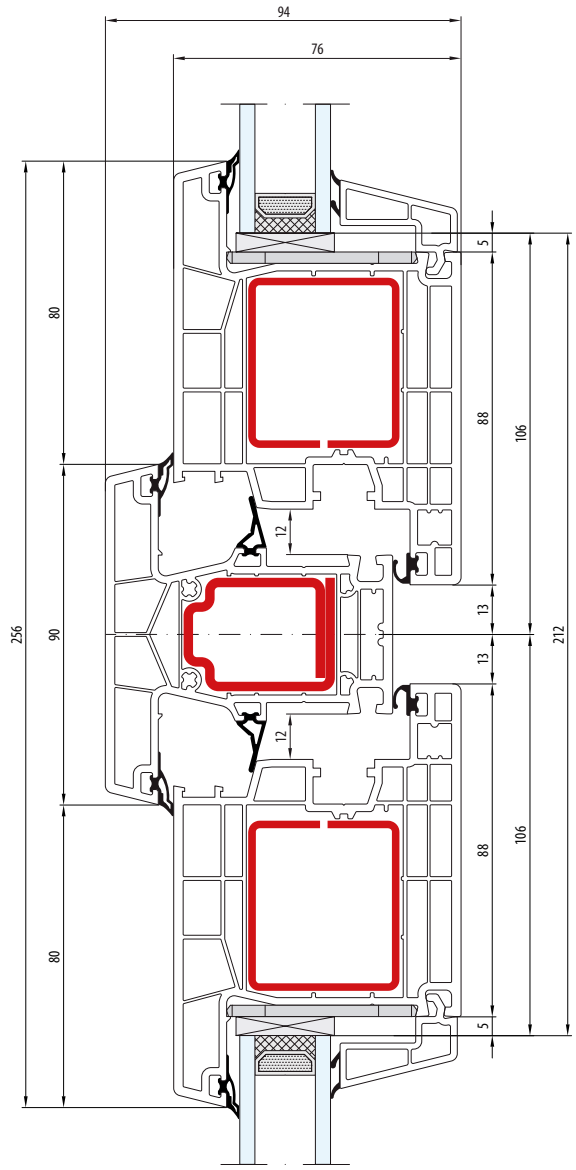

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



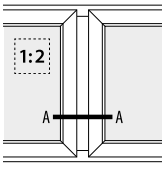


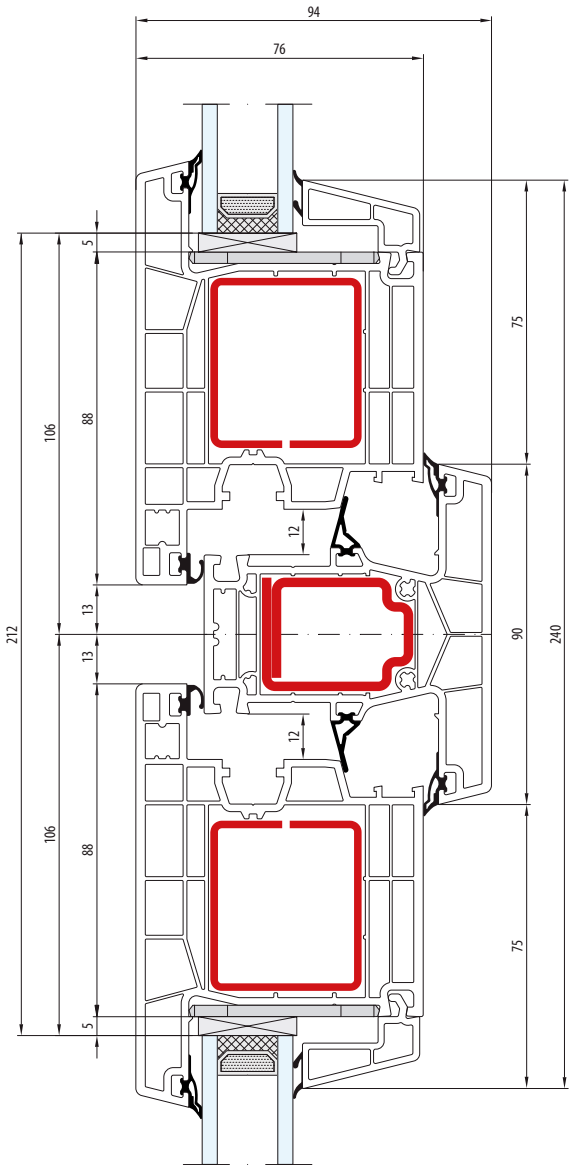

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



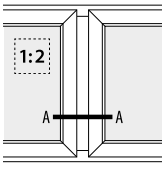


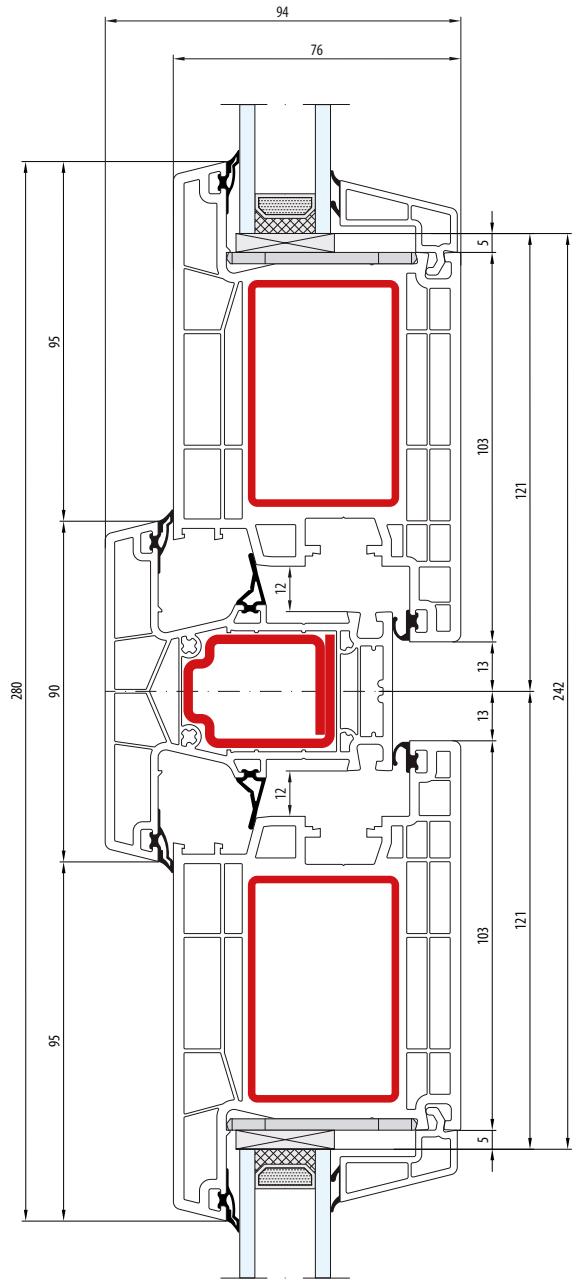

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



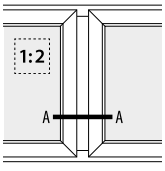


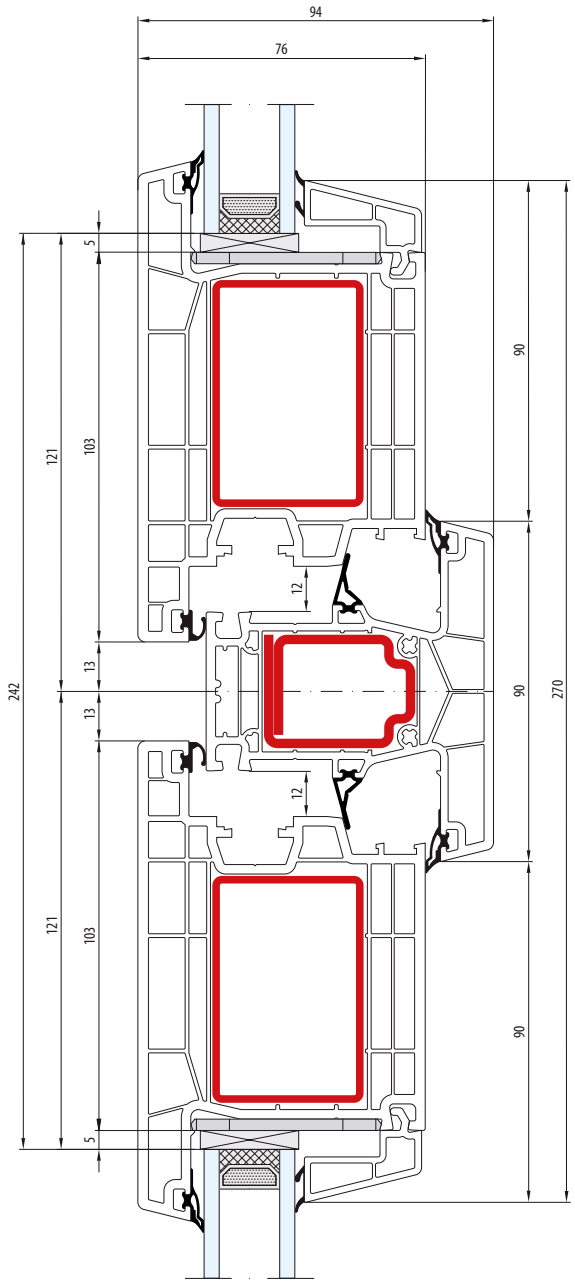

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



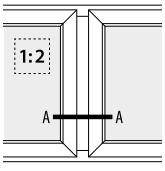


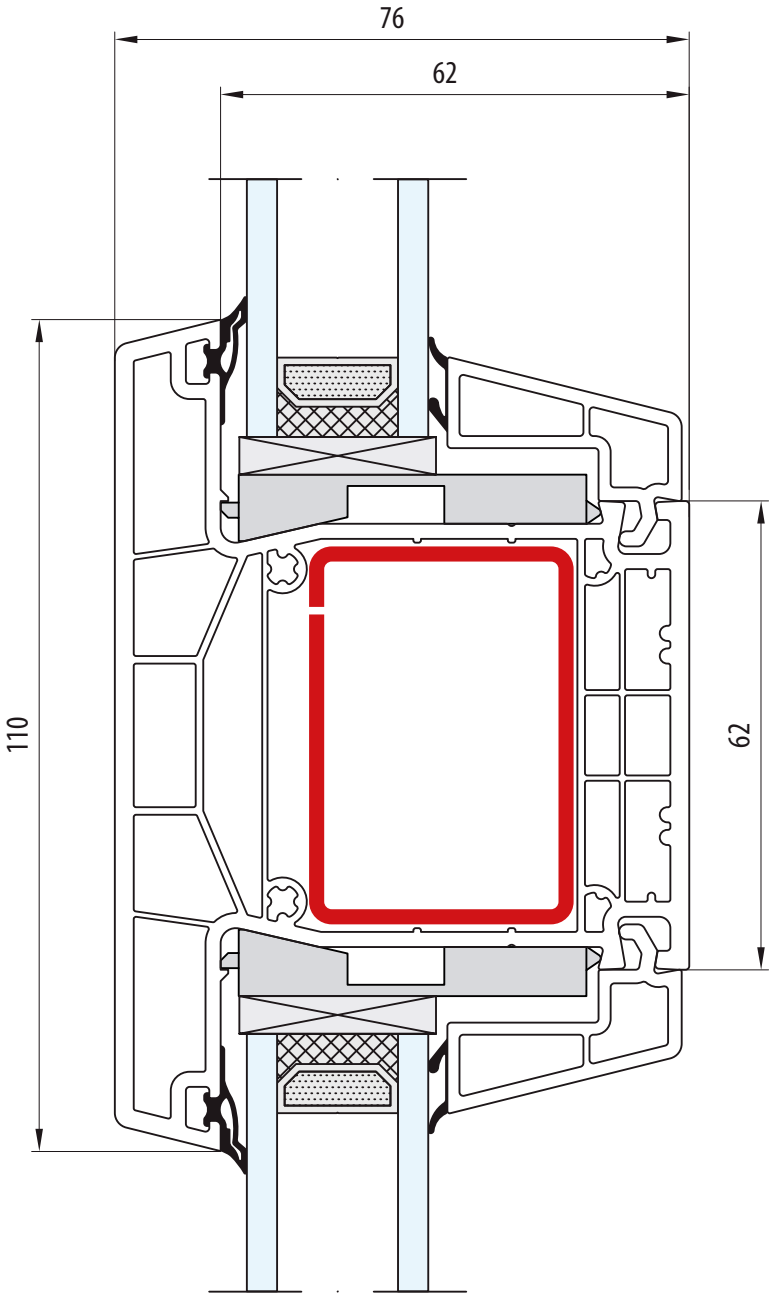

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



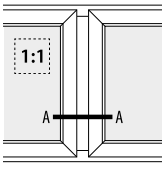


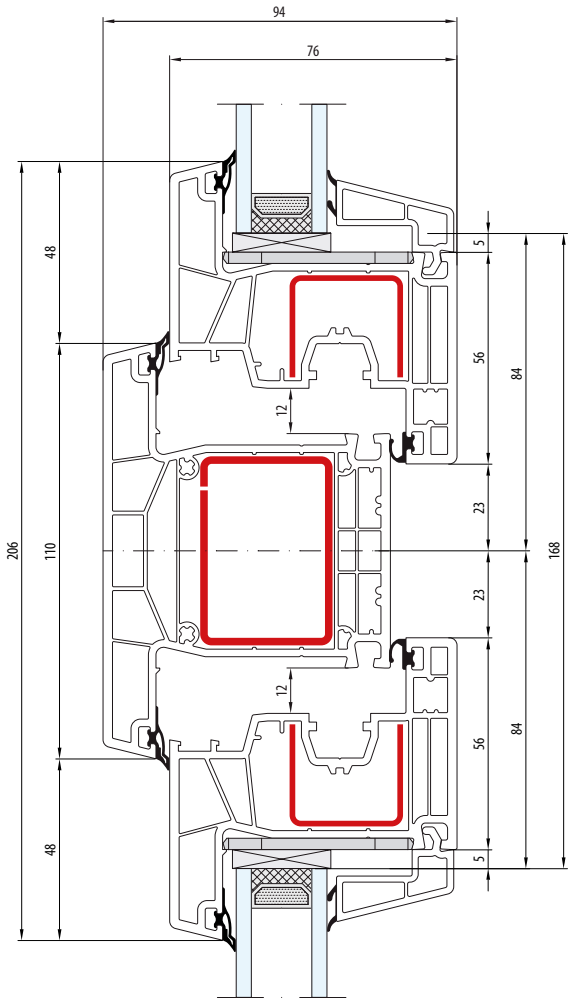

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



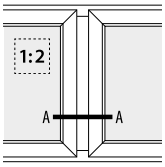


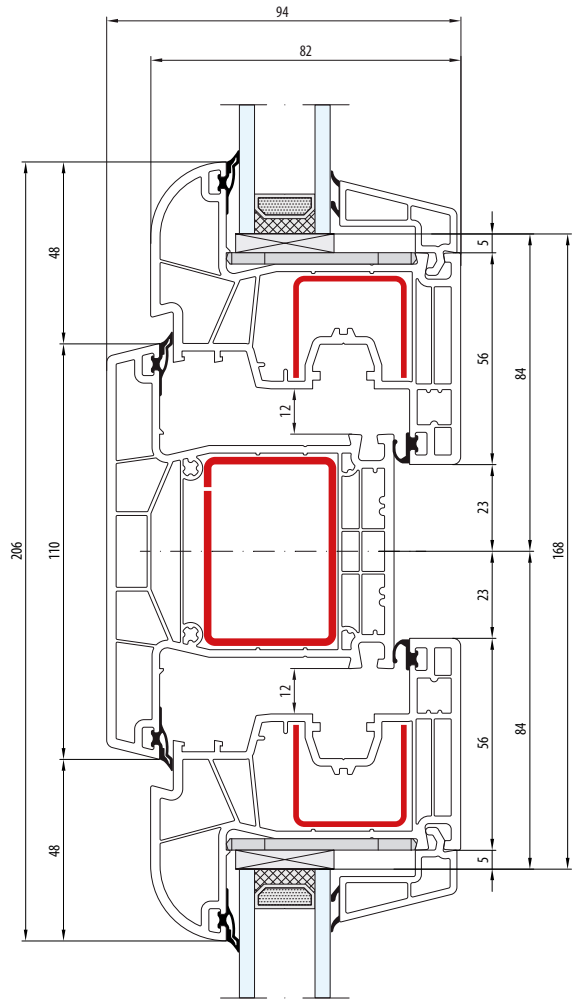

- Słupek stały: 110 mm
- Meneau fixe: 110 mm
- Fix post: 110 mm
- Festem Pfahl: 110 mm
- Montante fisso: 110 mm
- Vaste stijl: 110 mm



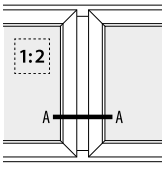


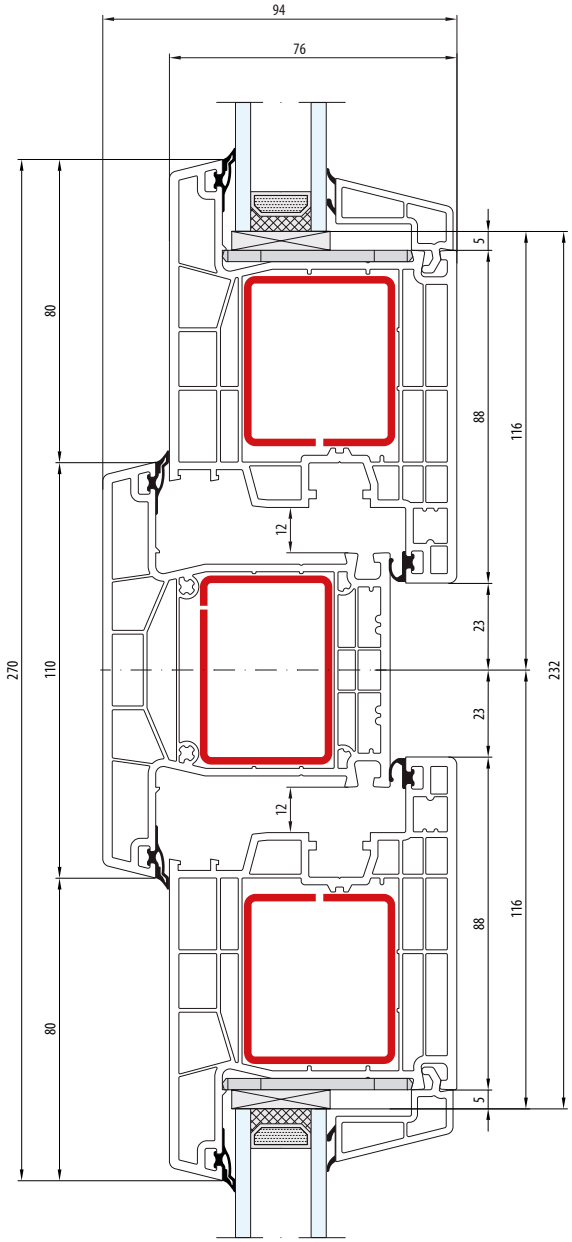

Słupek stały: 90 mm · Skrzydło: 80 mm
Meneau fixe: 90 mm · Vantail: 80 mm
Fix post: 90 mm · Sash: 80 mm
Festem Pfahl: 90 mm · Flügel: 80 mm
Montante fisso: 90 mm · Anta: 80 mm
Vaste stijl: 90 mm · Vleugel: 80 mm



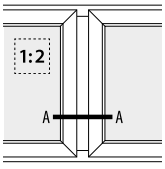


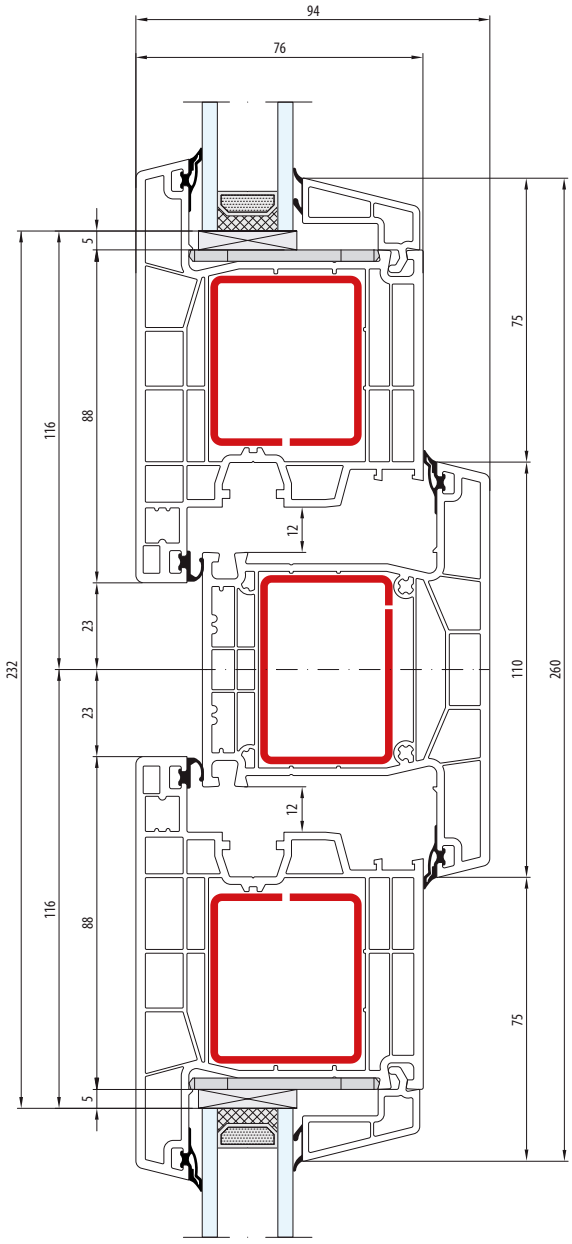

- Słupek stały: 90 mm · Skrzydło: 80 mm
- Meneau fixe: 90 mm · Vantail: 80 mm
- Fix post: 90 mm · Sash: 80 mm
- Festem Pfahl: 90 mm · Flügel: 80 mm
- Montante fisso: 90 mm · Anta: 80 mm
- Vaste stijl: 90 mm · Vleugel: 80 mm



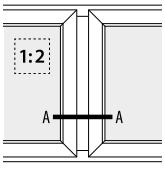


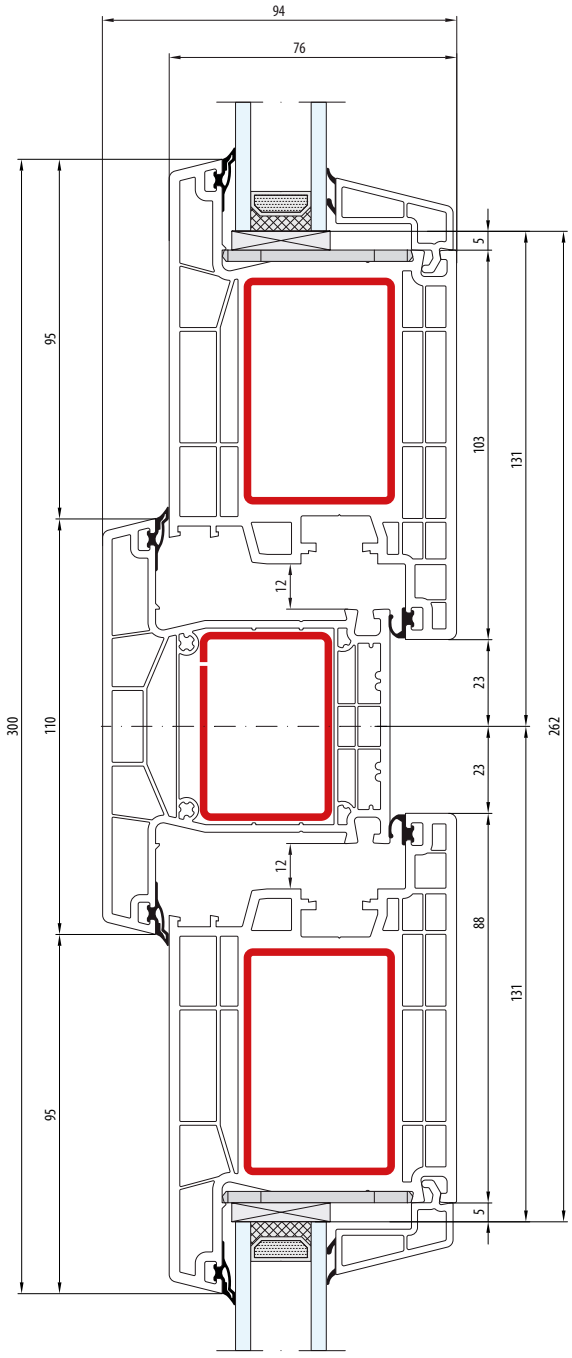

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



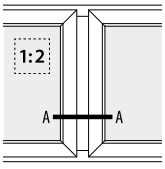


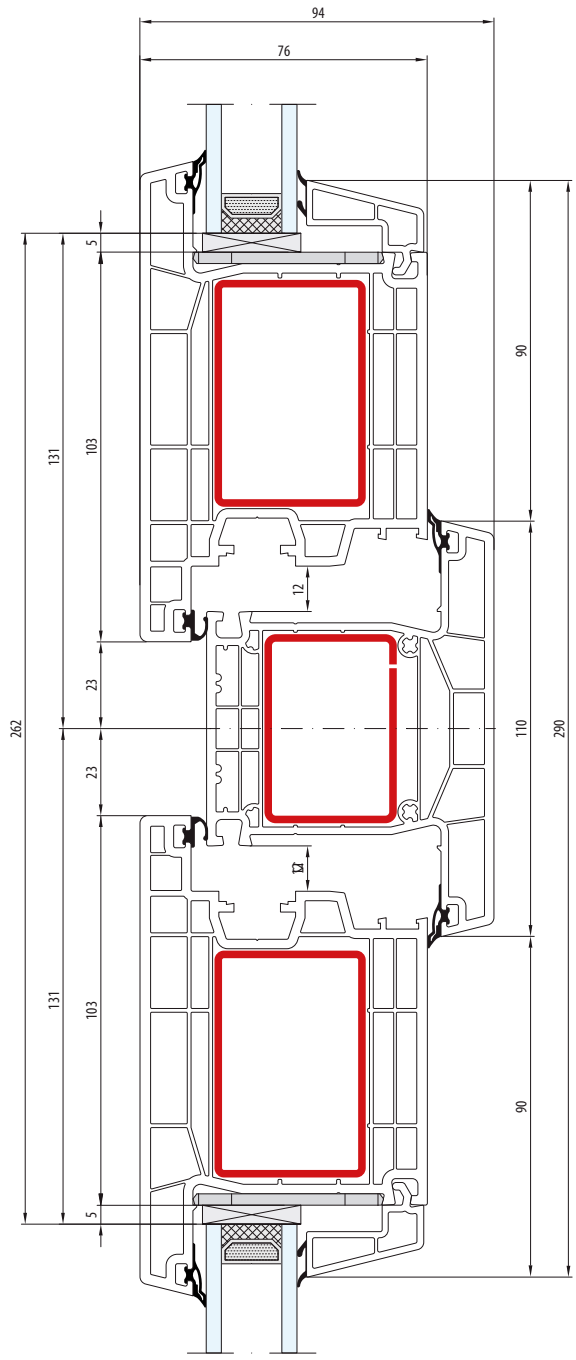

- Słupek stały: 90 mm · Skrzydło: 112 mm
- Meneau fixe: 90 mm · Vantail: 112 mm
- Fix post: 90 mm · Sash: 112 mm
- Festem Pfahl: 90 mm · Flügel: 112 mm
- Montante fisso: 90 mm · Anta: 112 mm
- Vaste stijl: 90 mm · Vleugel: 112 mm



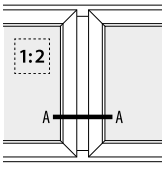


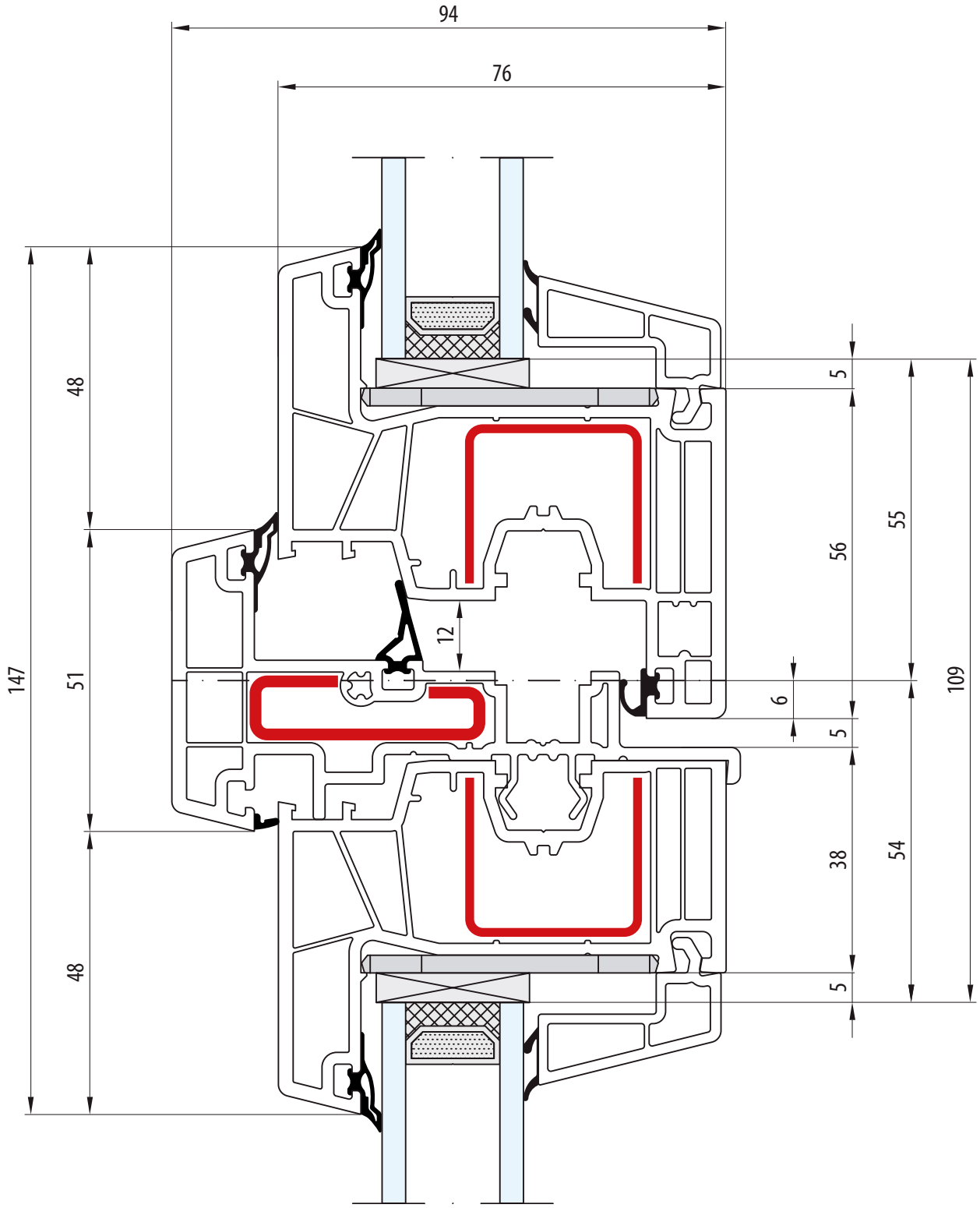

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



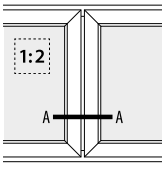


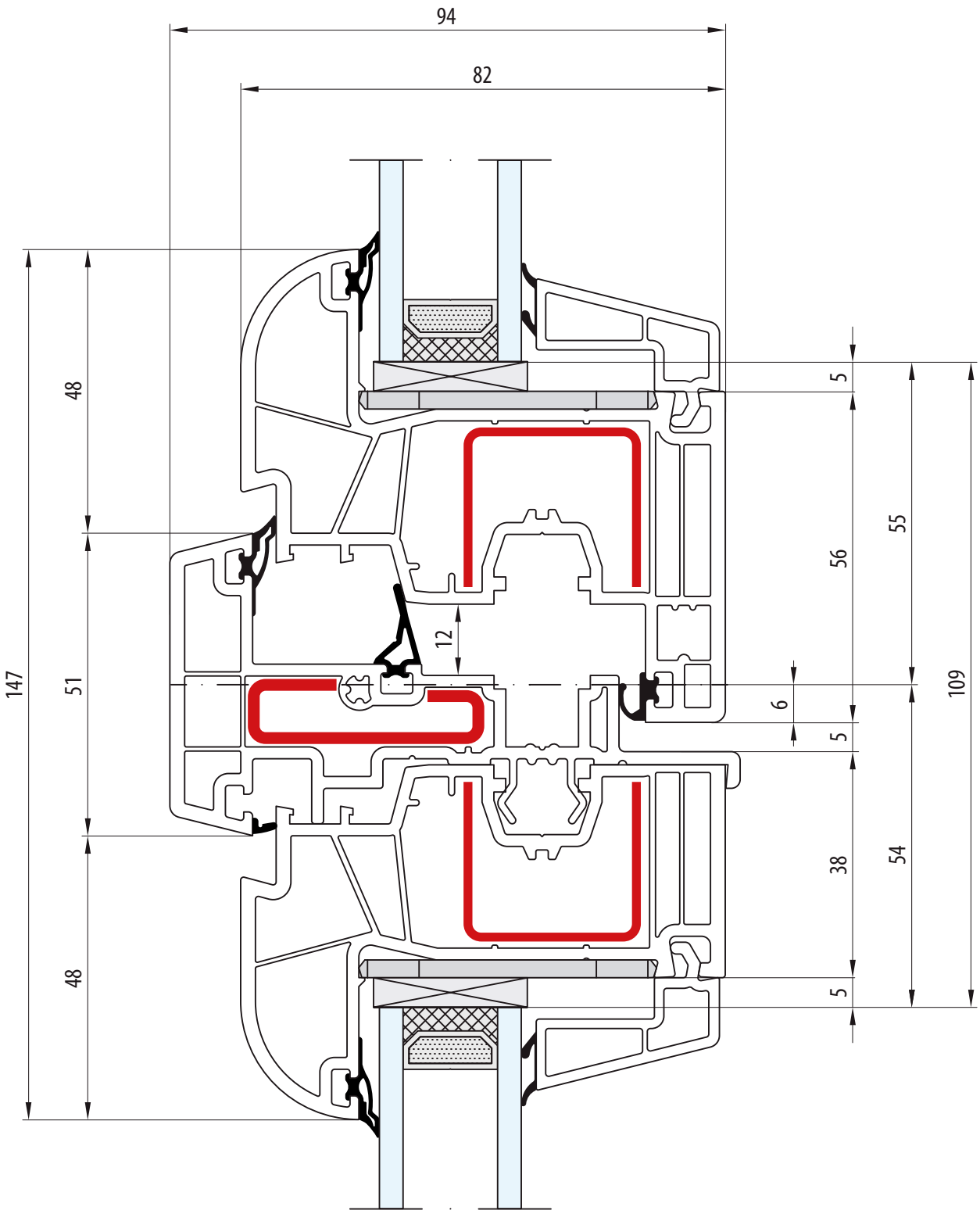

- Słupek stały: 90 mm · Skrzydło: 127 mm
- Meneau fixe: 90 mm · Vantail: 127 mm
- Fix post: 90 mm · Sash: 127 mm
- Festem Pfahl: 90 mm · Flügel: 127 mm
- Montante fisso: 90 mm · Anta: 127 mm
- Vaste stijl: 90 mm · Vleugel: 127 mm



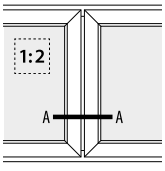


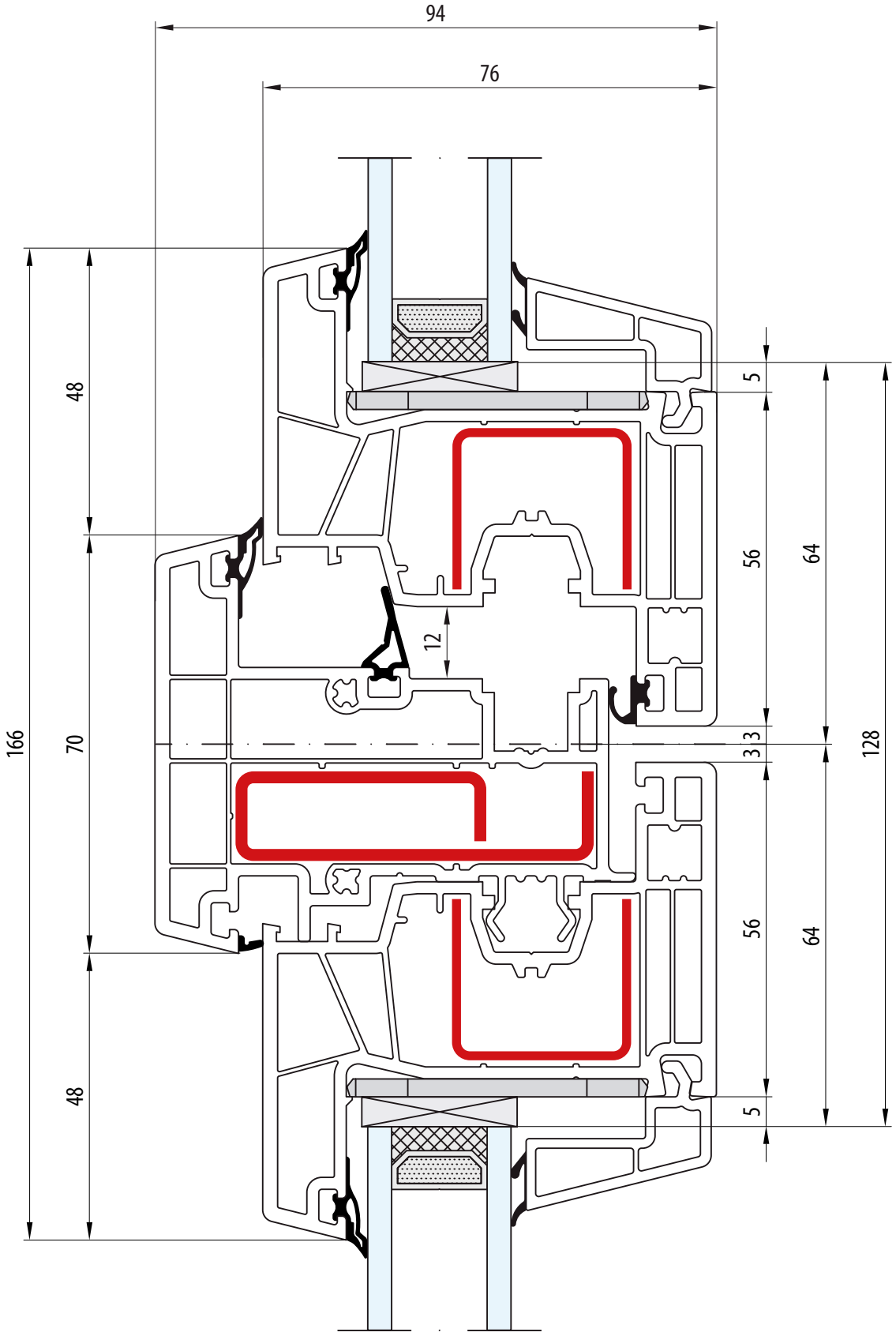

- Słupek ruchomy: 51 mm · Skrzydło: 80 mm
- Meneau mobile: 51 mm · Vantail: 80 mm
- Movable post: 51 mm · Sash: 80 mm
- Stulp: 51 mm · Flügel: 80 mm
- Montante mobile: 51 mm · Anta: 80 mm
- Verplaatsbare stijl: 51 mm · Vleugel: 80 mm



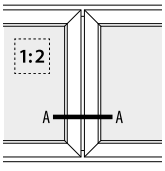


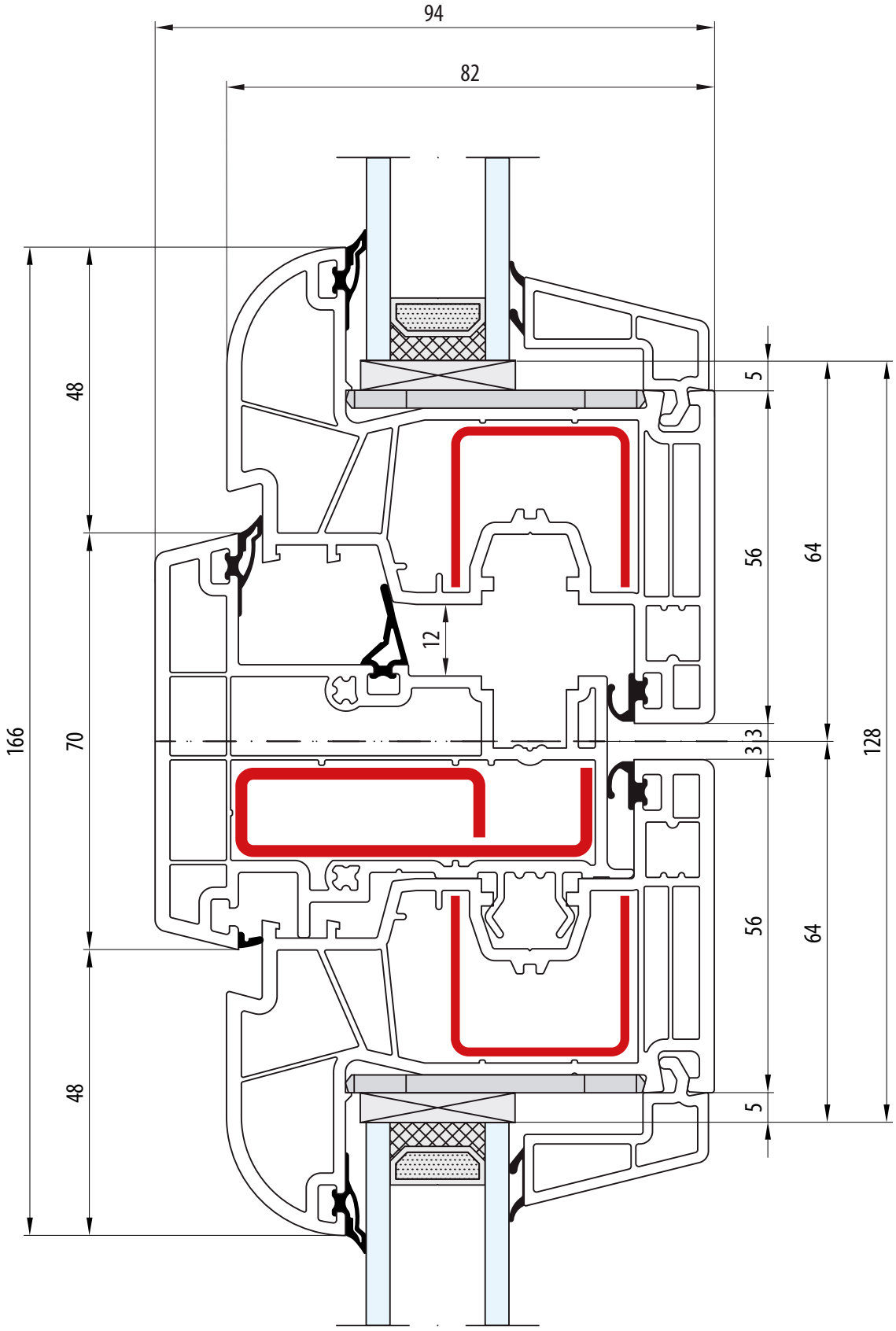

- Słupek ruchomy: 51 mm · Skrzydło: 80 mm
- Meneau mobile: 51 mm · Vantail: 80 mm
- Movable post: 51 mm · Sash: 80 mm
- Stulp: 51 mm · Flügel: 80 mm
- Montante mobile: 51 mm · Anta: 80 mm
- Verplaatsbare stijl: 51 mm · Vleugel: 80 mm



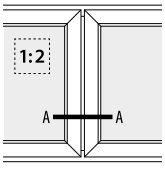


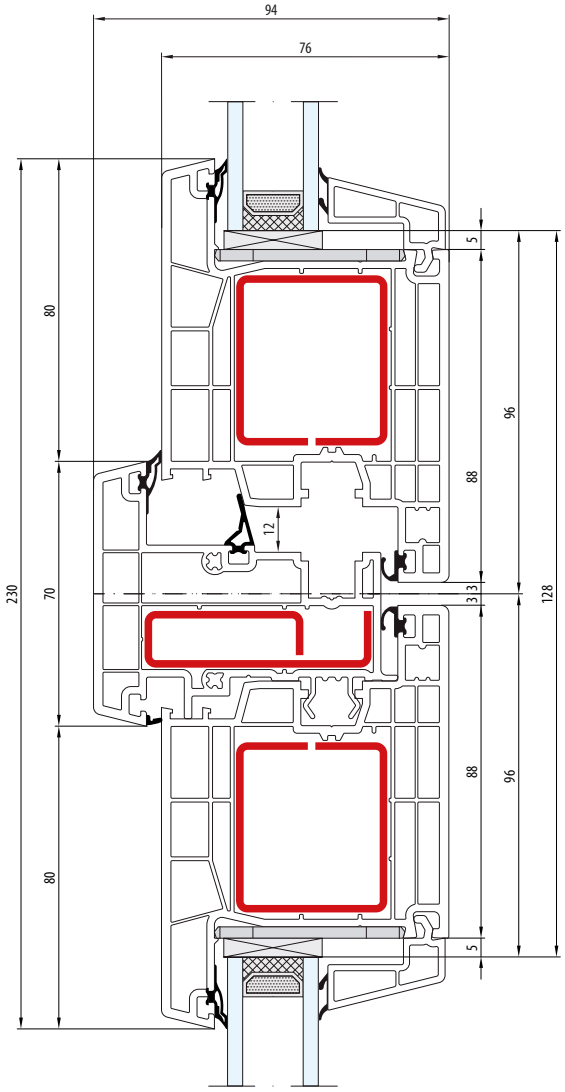

- Słupek ruchomy: 70 mm · Skrzydło: 80 mm
- Meneau mobile: 70 mm · Vantail: 80 mm
- Movable post: 70 mm · Sash: 80 mm
- Stulp: 70 mm · Flügel: 80 mm
- Montante mobile: 70 mm · Anta: 80 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 80 mm



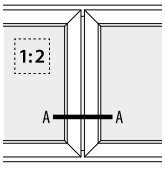


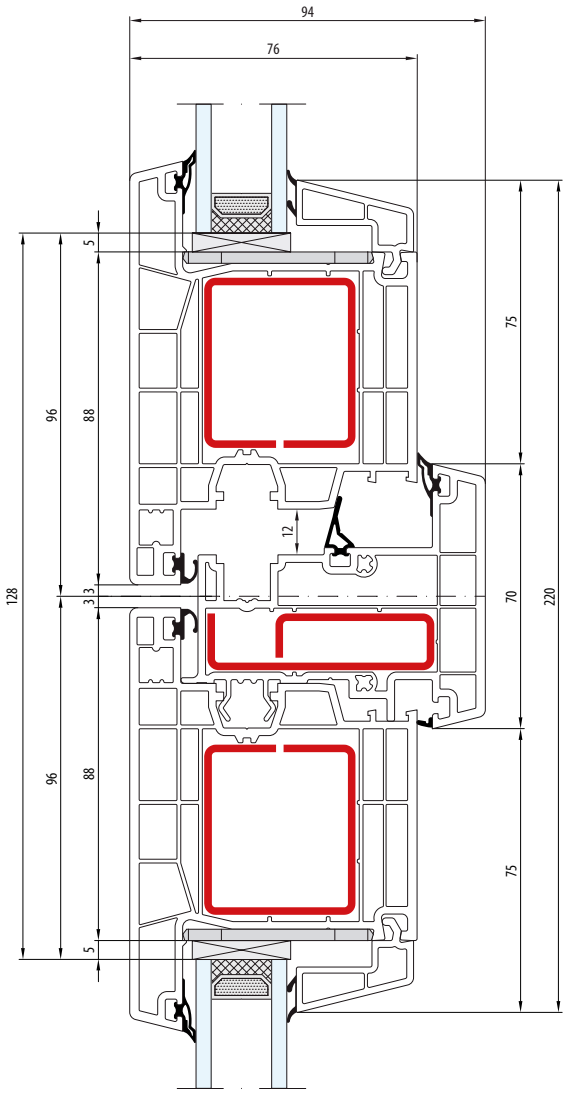

- Słupek ruchomy: 70 mm · Skrzydło: 80 mm
- Meneau mobile: 70 mm · Vantail: 80 mm
- Movable post: 70 mm · Sash: 80 mm
- Stulp: 70 mm · Flügel: 80 mm
- Montante mobile: 70 mm · Anta: 80 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 80 mm



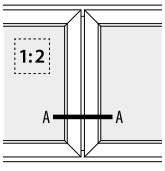


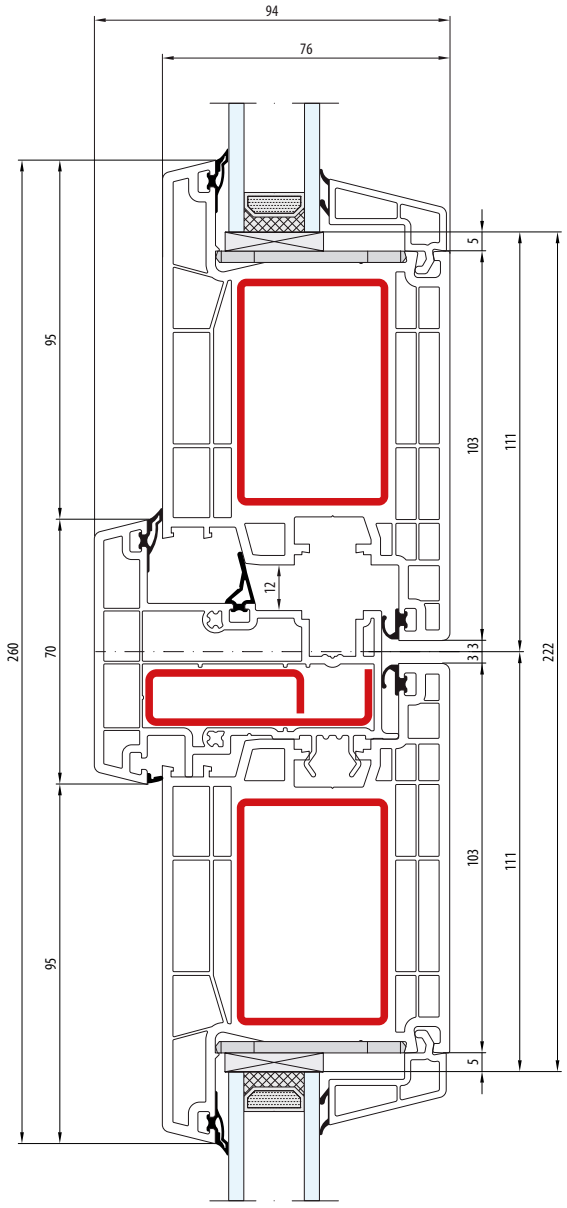

- Słupek ruchomy: 70 mm · Skrzydło: 112 mm
- Meneau mobile: 70 mm · Vantail: 112 mm
- Movable post: 70 mm · Sash: 112 mm
- Stulp: 70 mm · Flügel: 112 mm
- Montante mobile: 70 mm · Anta: 112 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 112 mm



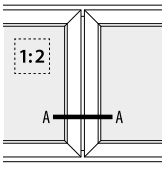


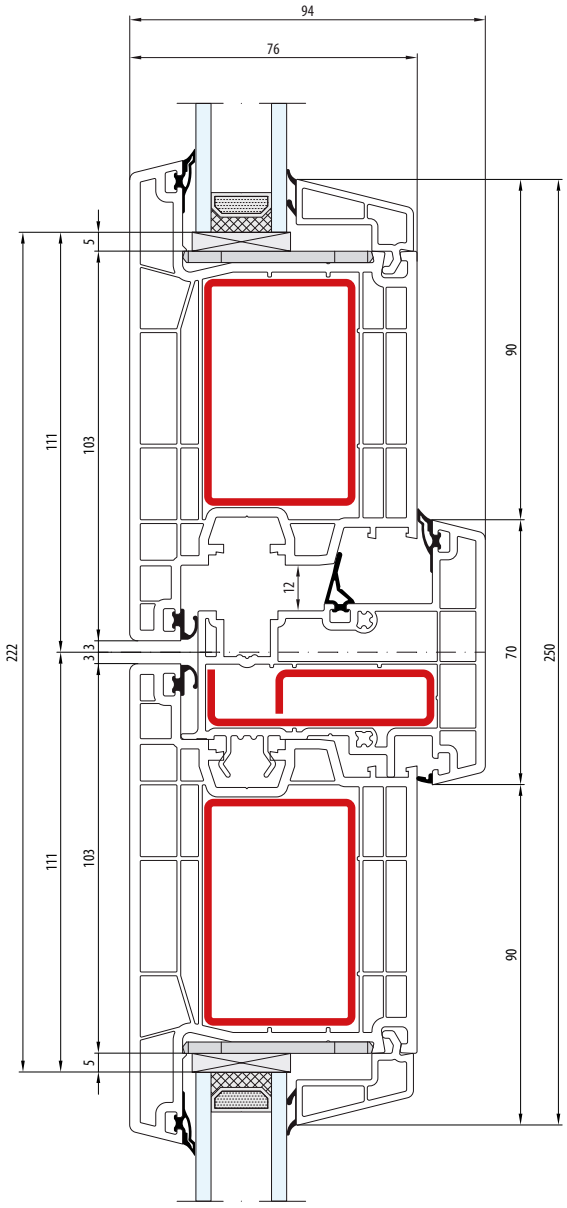

- Słupek ruchomy: 70 mm · Skrzydło: 112 mm
- Meneau mobile: 70 mm · Vantail: 112 mm
- Movable post: 70 mm · Sash: 112 mm
- Stulp: 70 mm · Flügel: 112 mm
- Montante mobile: 70 mm · Anta: 112 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 112 mm



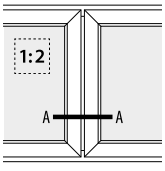


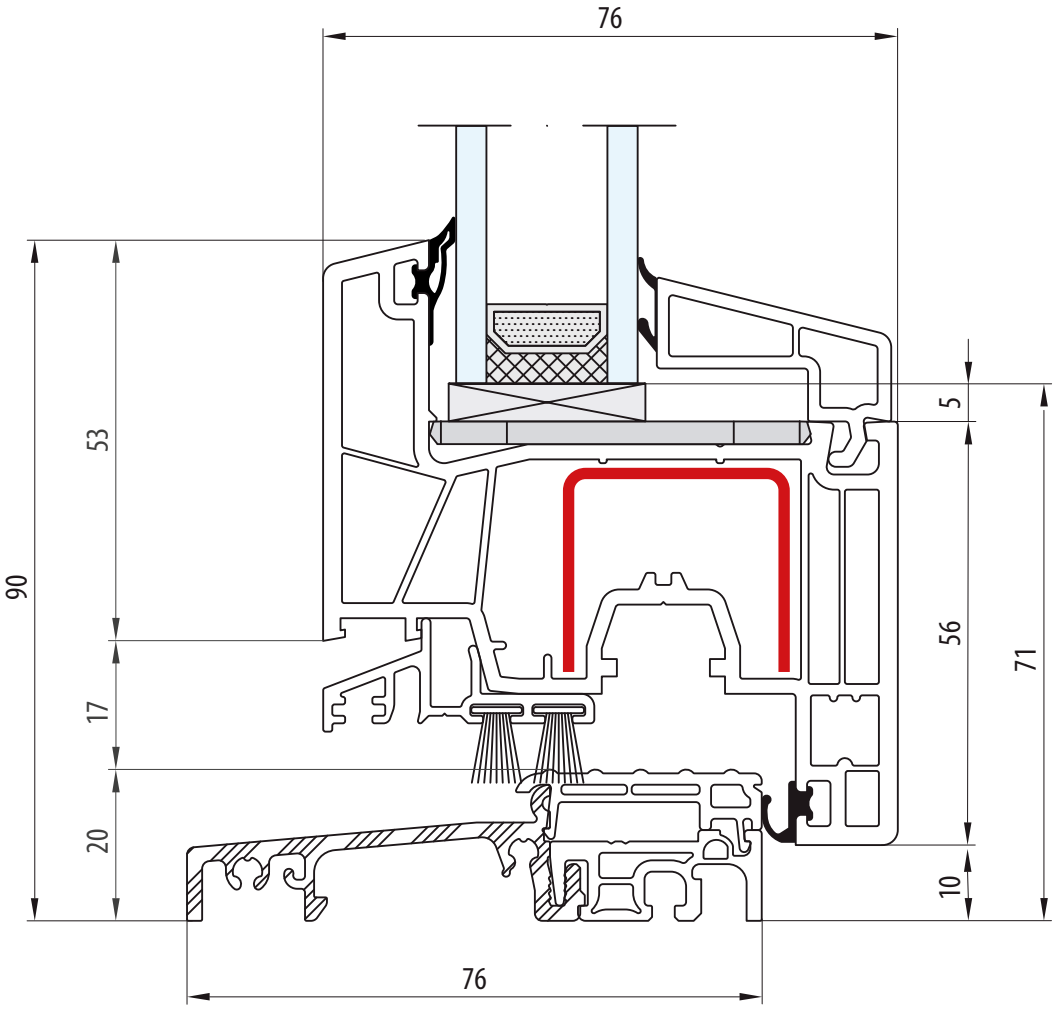

- Słupek ruchomy: 70 mm · Skrzydło: 127 mm
- Meneau mobile: 70 mm · Vantail: 127 mm
- Movable post: 70 mm · Sash: 127 mm
- Stulp: 70 mm · Flügel: 127 mm
- Montante mobile: 70 mm · Anta: 127 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 127 mm



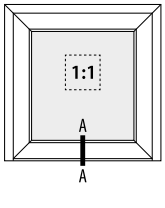


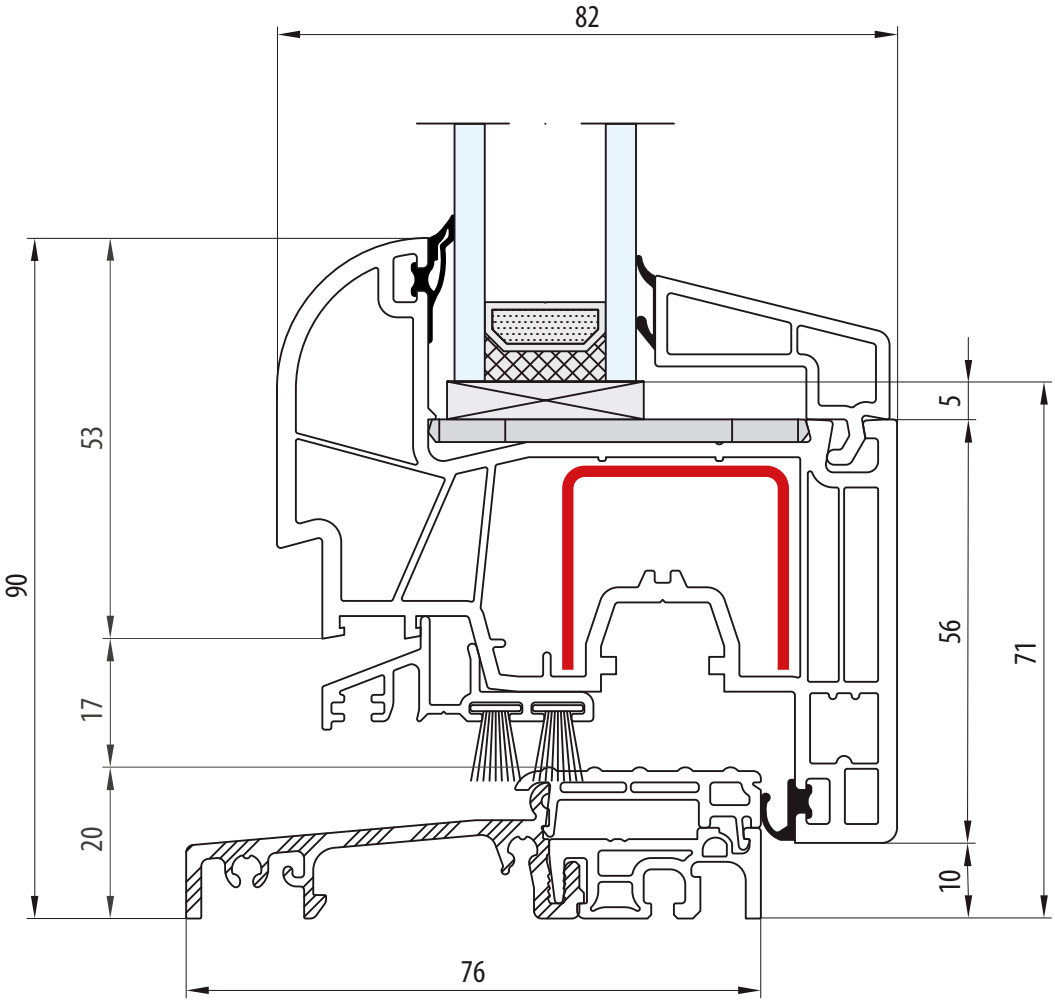

- Słupek ruchomy: 70 mm · Skrzydło: 127 mm
- Meneau mobile: 70 mm · Vantail: 127 mm
- Movable post: 70 mm · Sash: 127 mm
- Stulp: 70 mm · Flügel: 127 mm
- Montante mobile: 70 mm · Anta: 127 mm
- Verplaatsbare stijl: 70 mm · Vleugel: 127 mm



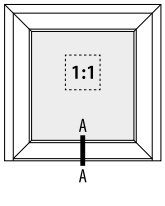


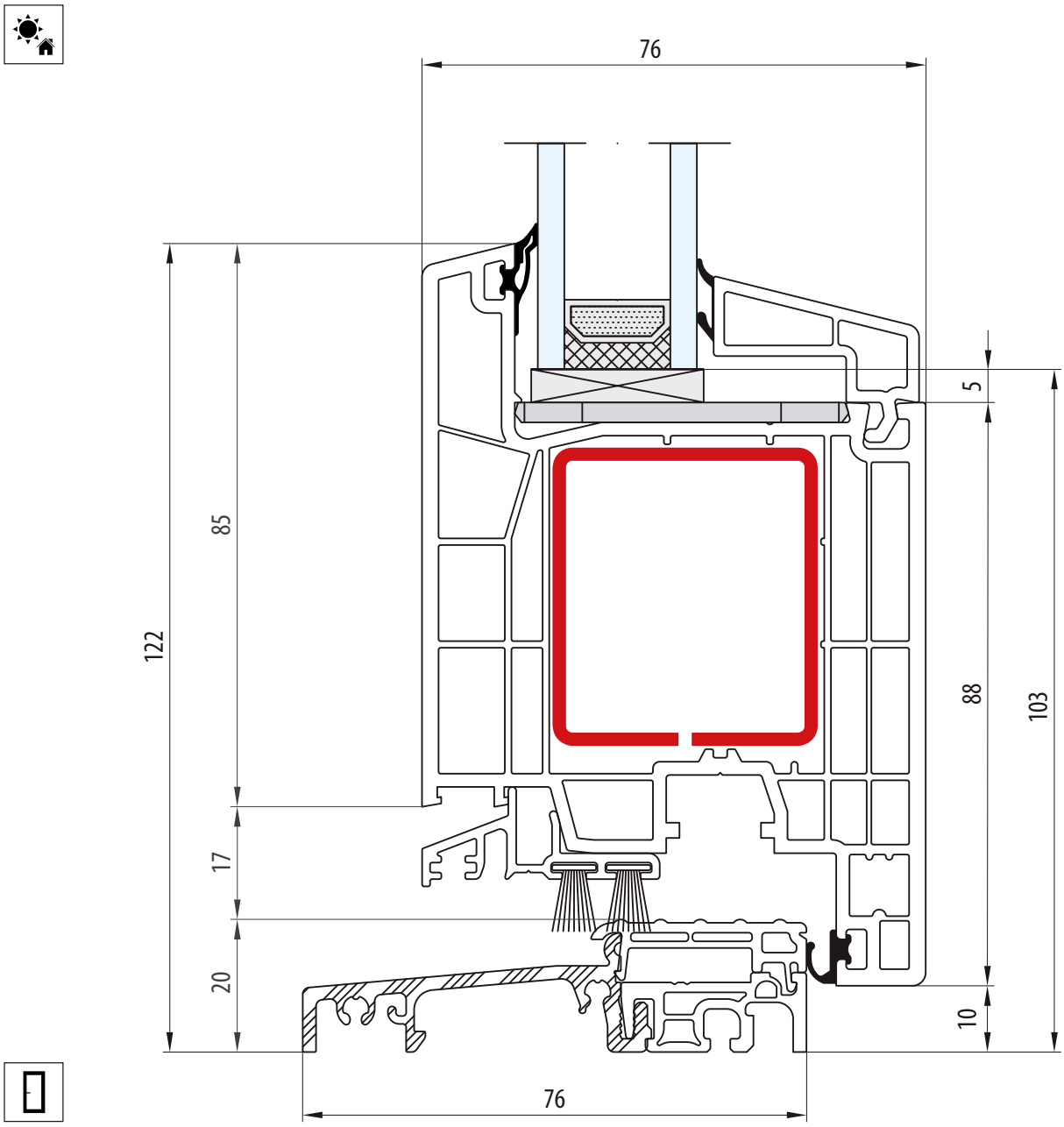

Próg: 20 mm · Skrzydło: 80 mm
Seuil: 20 mm · Vantail: 80 mm
Threshold: 20 mm · Sash: 80 mm
Schwelle: 20 mm · Flügel: 80 mm
Soglia: 20 mm · Anta: 80 mm
Dorpel: 20 mm · Vleugel: 80 mm

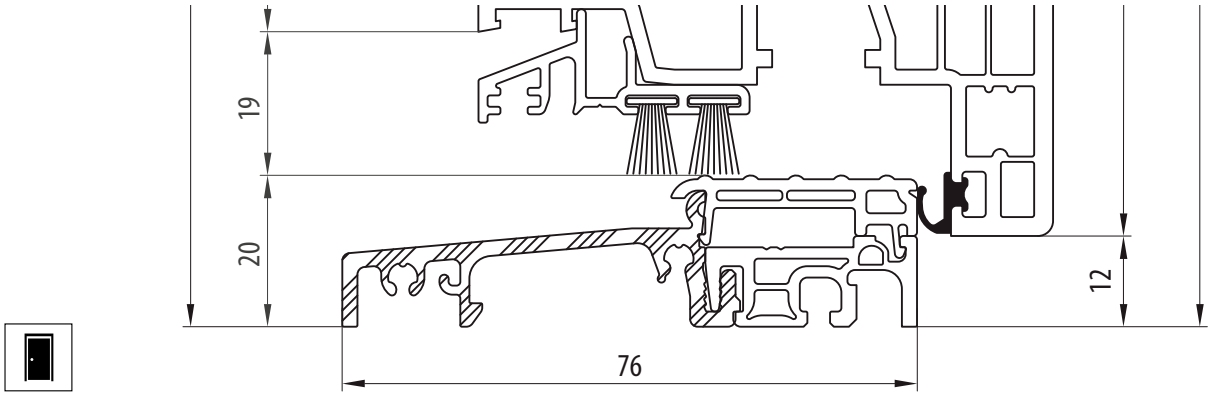




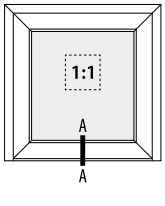

Próg: 20 mm · Skrzydło: 80 mm
Seuil: 20 mm · Vantail: 80 mm
Threshold: 20 mm · Sash: 80 mm
Schwelle: 20 mm · Flügel: 80 mm
Soglia: 20 mm · Anta: 80 mm
Dorpel: 20 mm · Vleugel: 80 mm

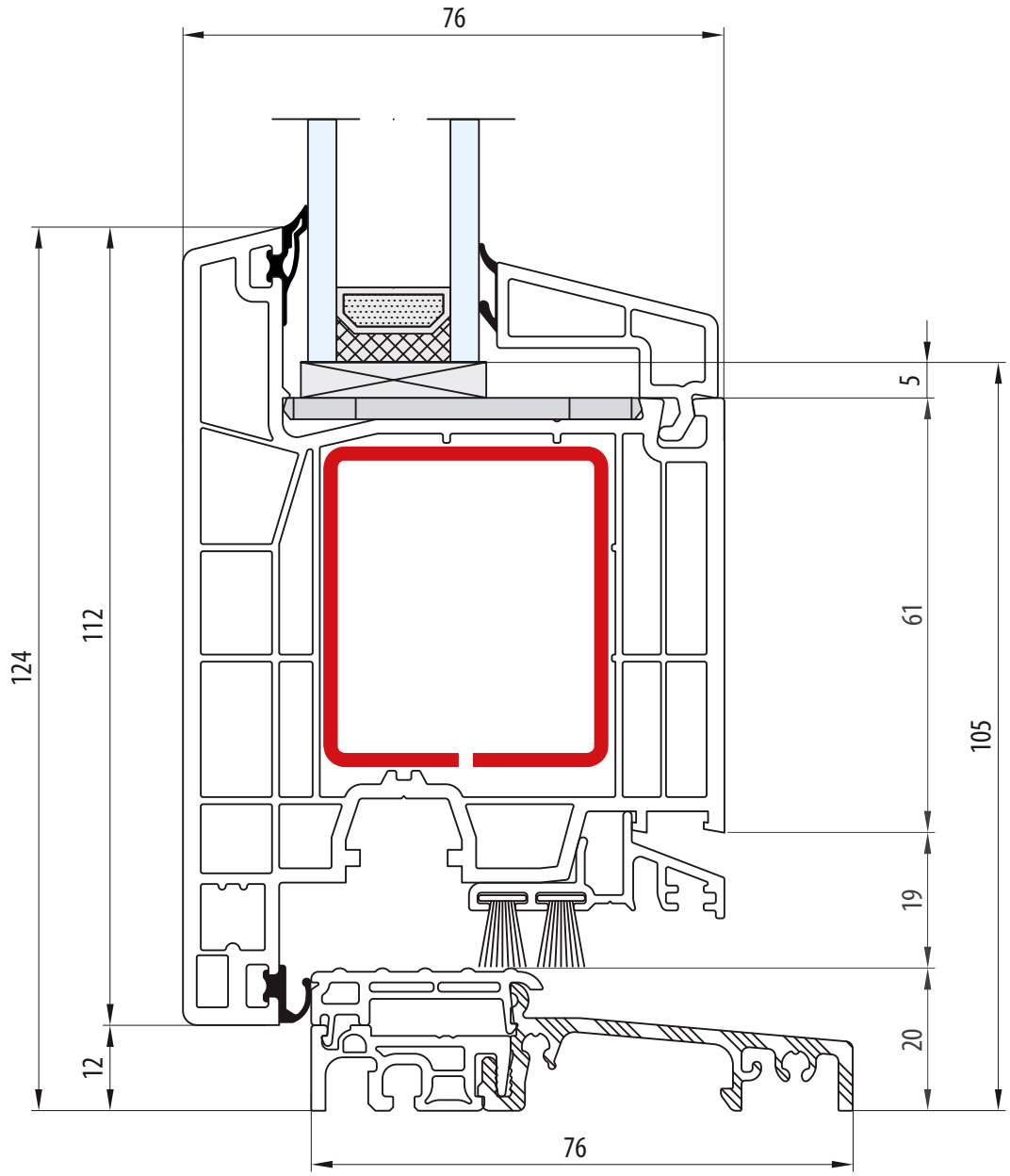




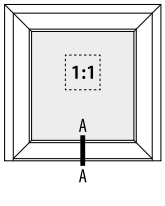



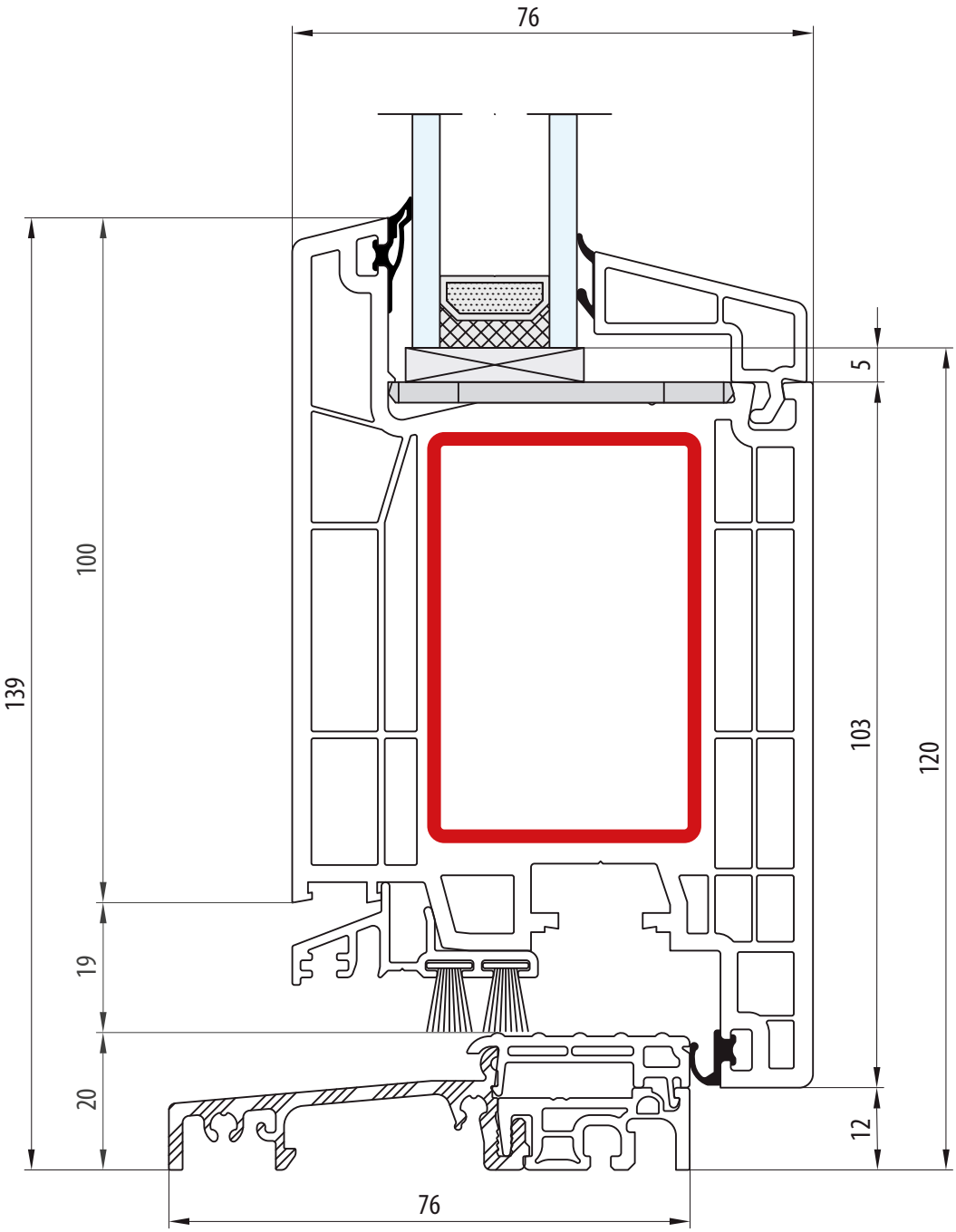

- Próg: 20 mm · Skrzydło: 112 mm
- Seuil: 20 mm · Vantail: 112 mm
- Threshold: 20 mm · Sash: 112 mm
- Schwelle: 20 mm · Flügel: 112 mm
- Soglia: 20 mm · Anta: 112 mm
- Dorpel: 20 mm · Vleugel: 112 mm



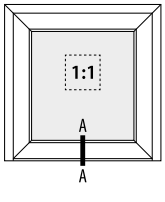


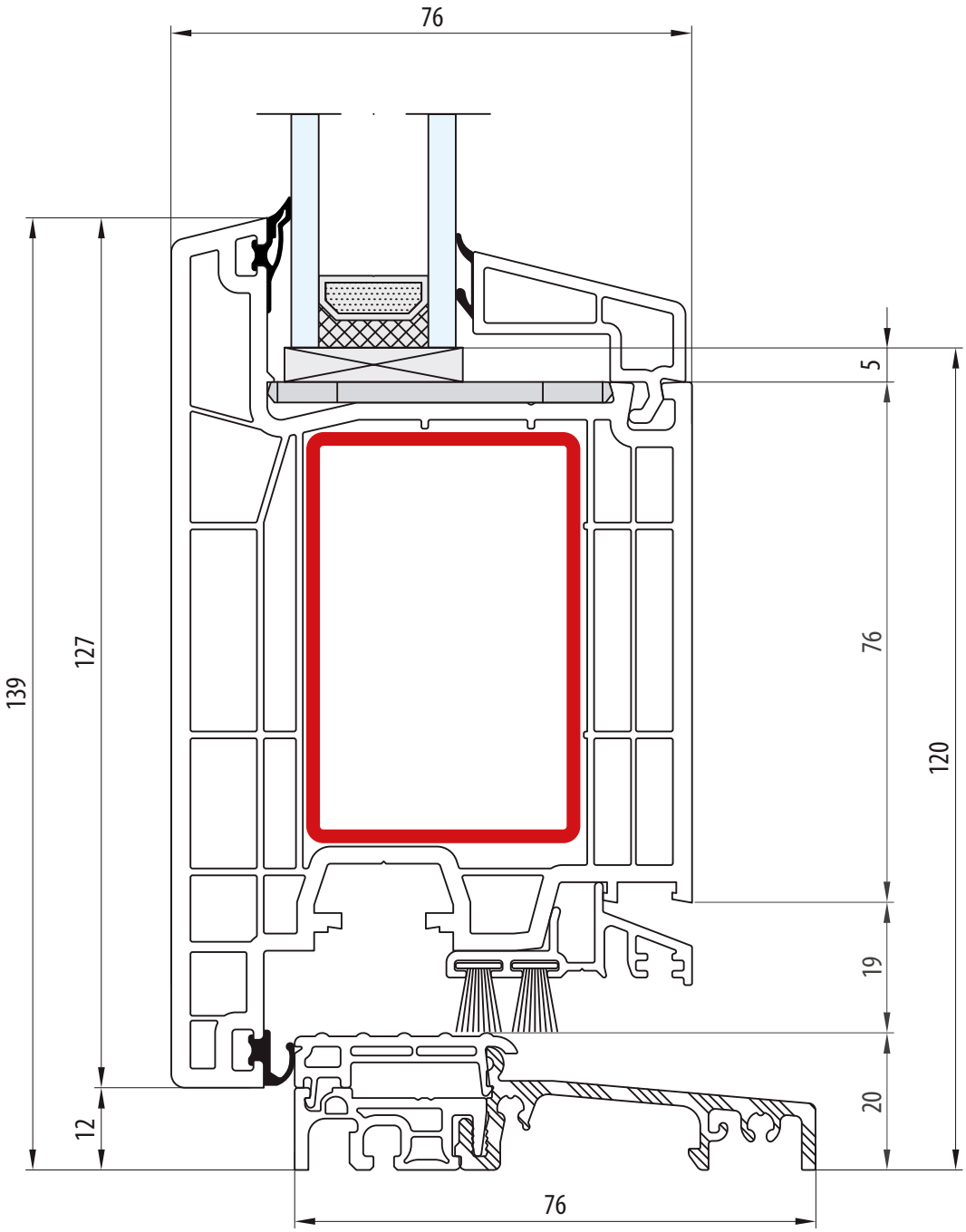

- Próg: 20 mm · Skrzydło: 112 mm
- Seuil: 20 mm · Vantail: 112 mm
- Threshold: 20 mm · Sash: 112 mm
- Schwelle: 20 mm · Flügel: 112 mm
- Soglia: 20 mm · Anta: 112 mm
- Dorpel: 20 mm · Vleugel: 112 mm



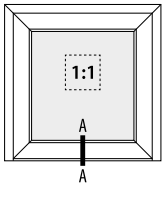



- Próg: 20 mm · Skrzydło: 127 mm
- Seuil: 20 mm · Vantail: 127 mm
- Threshold: 20 mm · Sash: 127 mm
- Schwelle: 20 mm · Flügel: 127 mm
- Soglia: 20 mm · Anta: 127 mm
- Dorpel: 20 mm · Vleugel: 127 mm



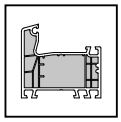



- Próg: 20 mm · Skrzydło: 127 mm
- Seuil: 20 mm · Vantail: 127 mm
- Threshold: 20 mm · Sash: 127 mm
- Schwelle: 20 mm · Flügel: 127 mm
- Soglia: 20 mm · Anta: 127 mm
- Dorpel: 20 mm · Vleugel: 127 mm

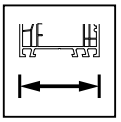


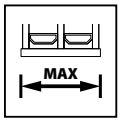
# BLUEVOLUTION 82



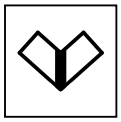

6


3


82



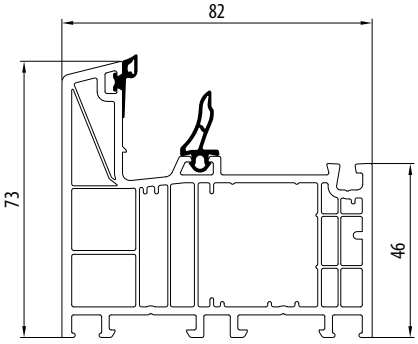
53



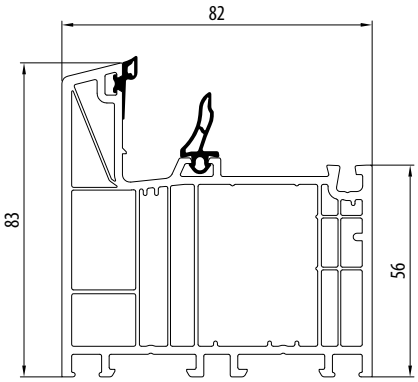



ALU

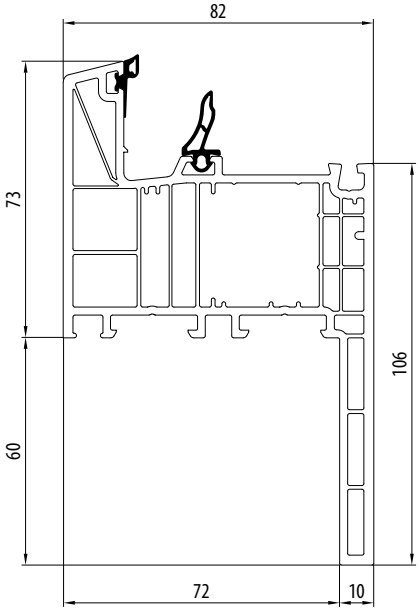




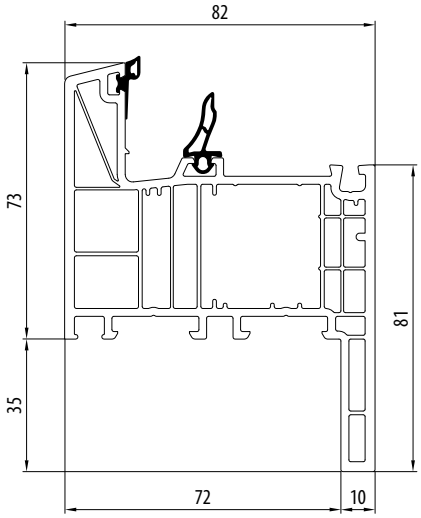

HO9021



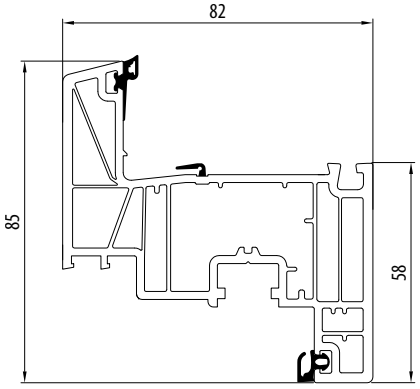

HO9030



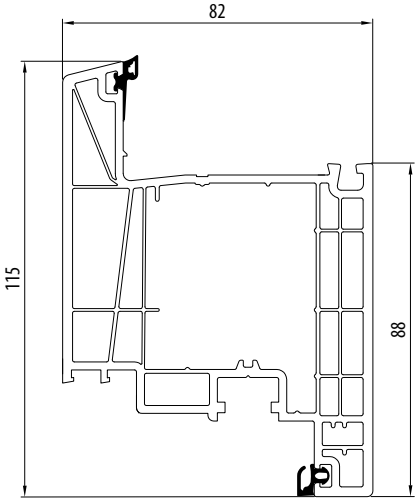

HO9100



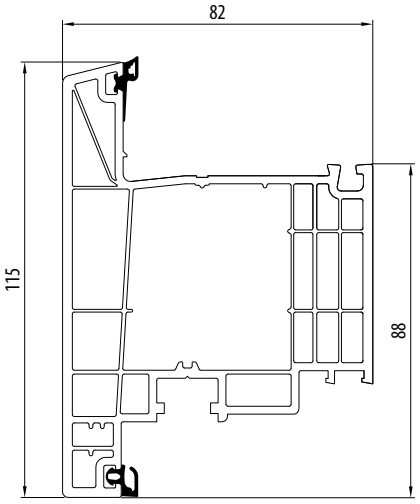

HO9110




HO8521

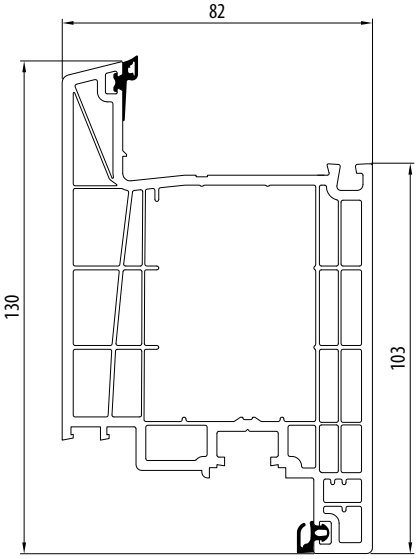



HO8530

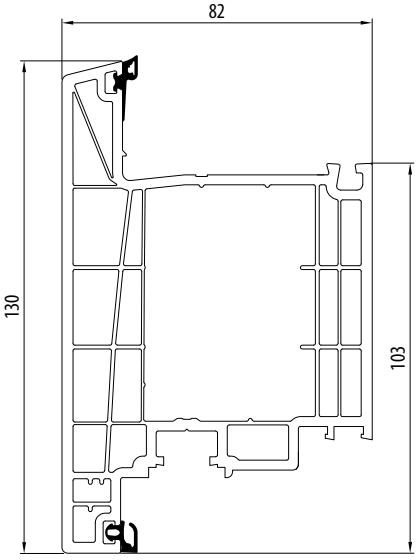



HO8540

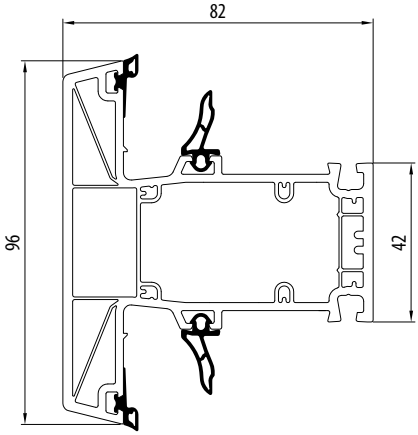
1:2



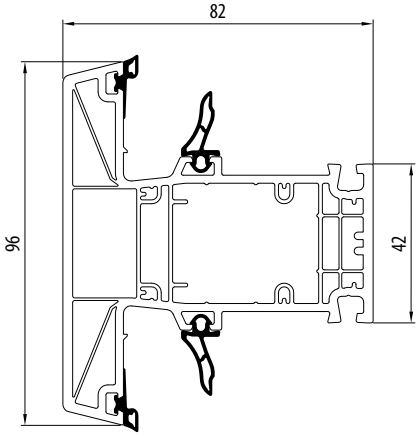

HP8550



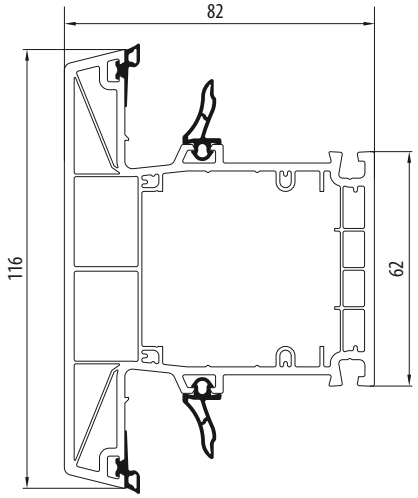

HP8560



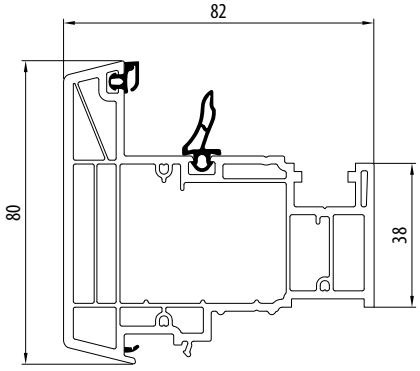

HO9310



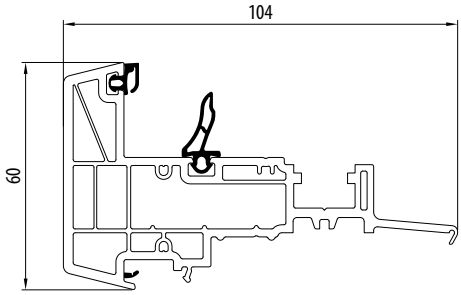

HO9320



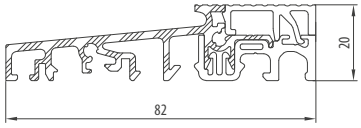

HO9330




HO9800

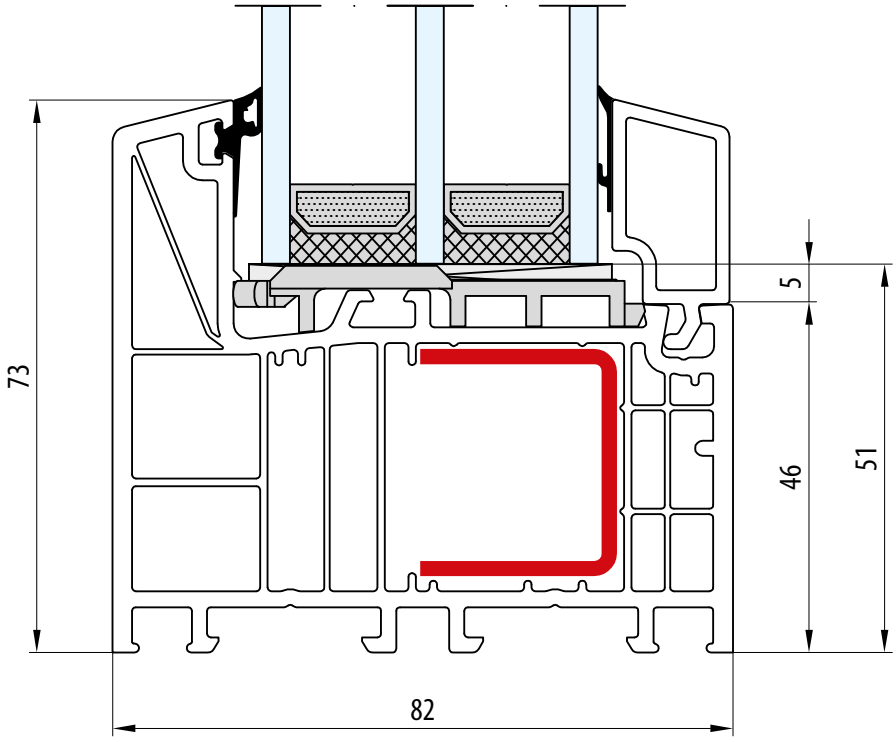



HO9810

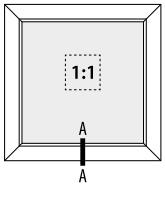


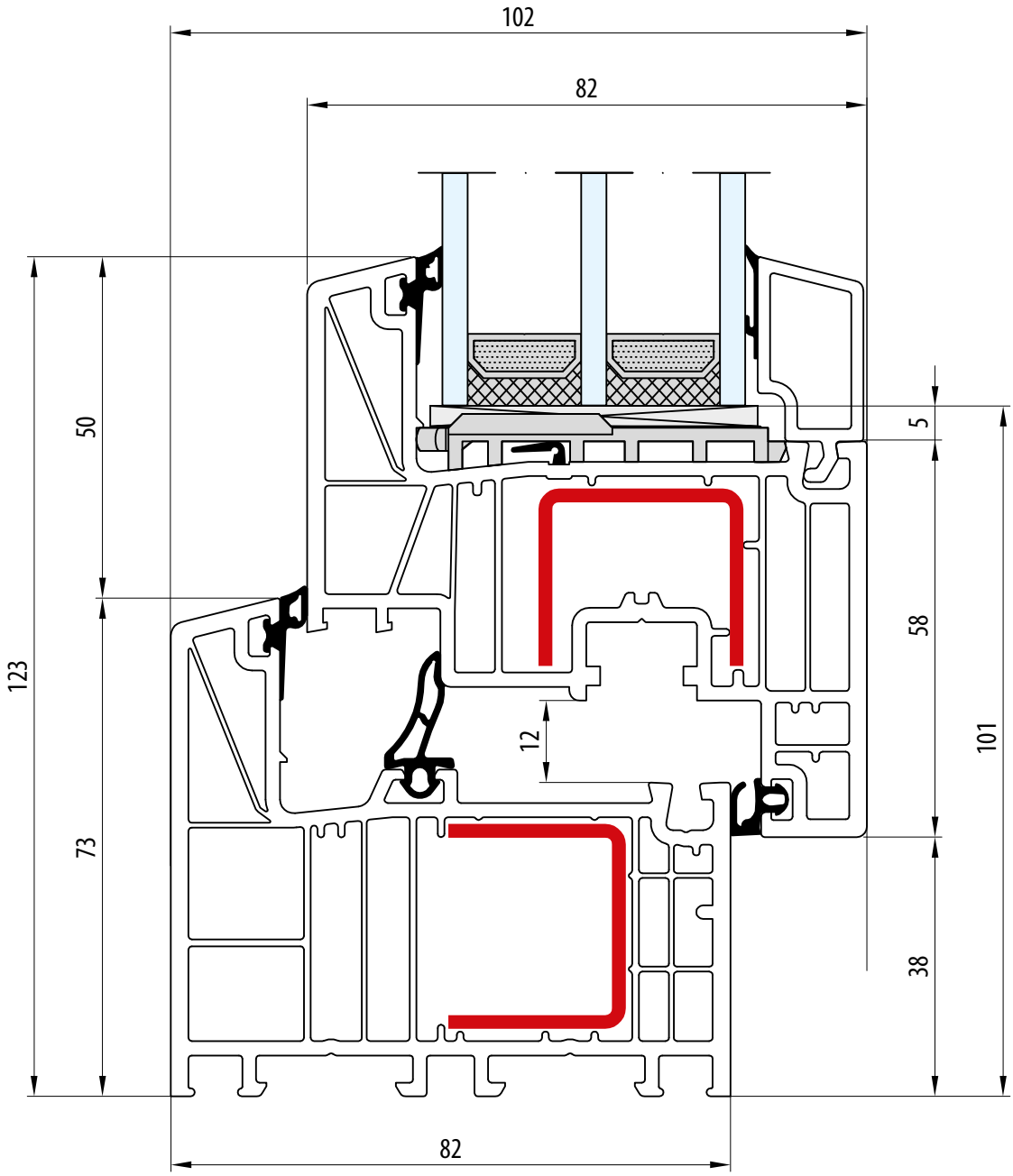

alu - 20 mm

1:2

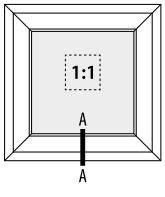


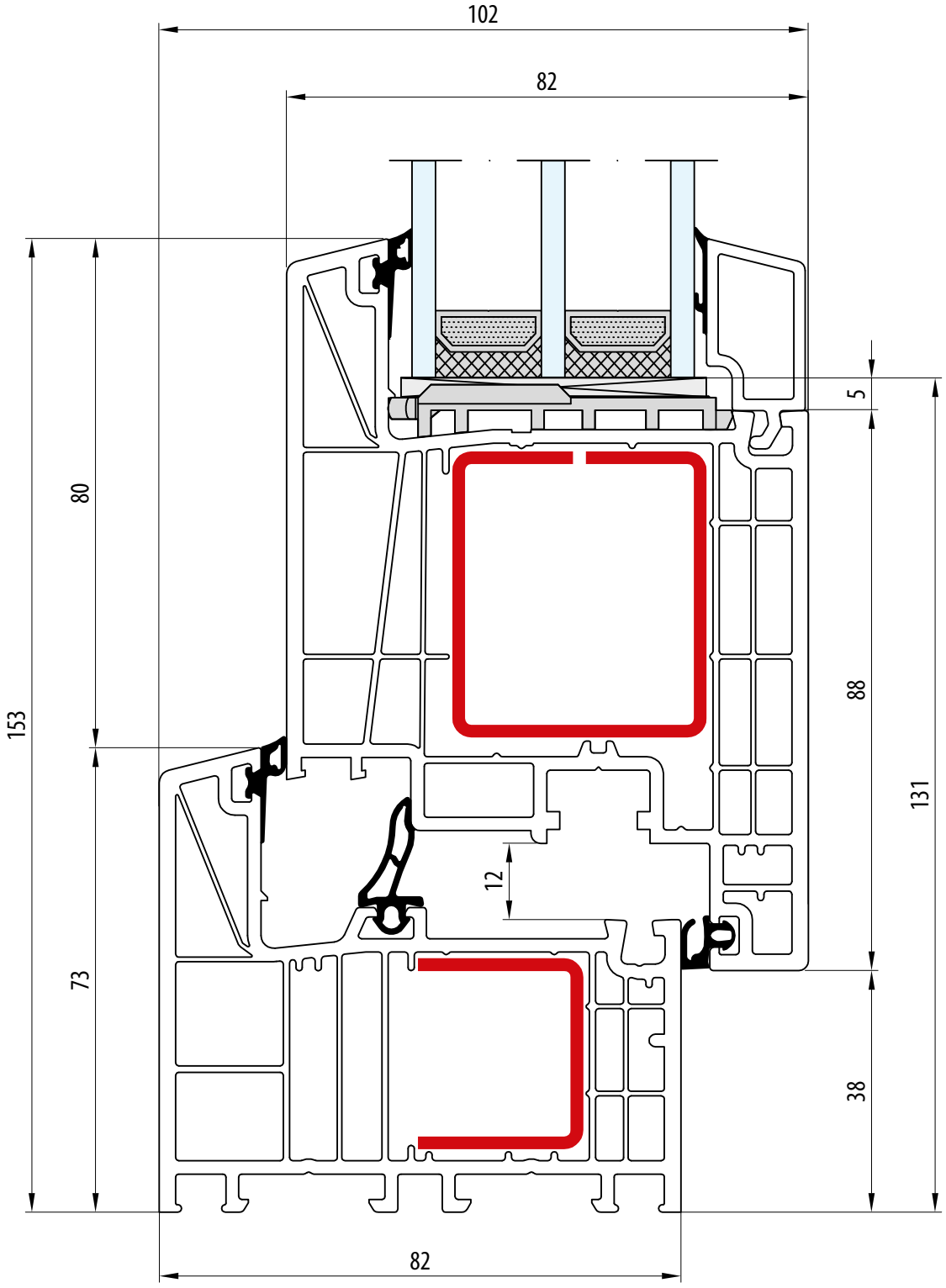

- Rama: 73 mm
- Dormant: 73 mm
- Frame: 73 mm
- Rahmen: 73 mm
- Telaio: 73 mm
- Kozijn: 73 mm



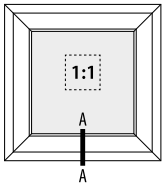


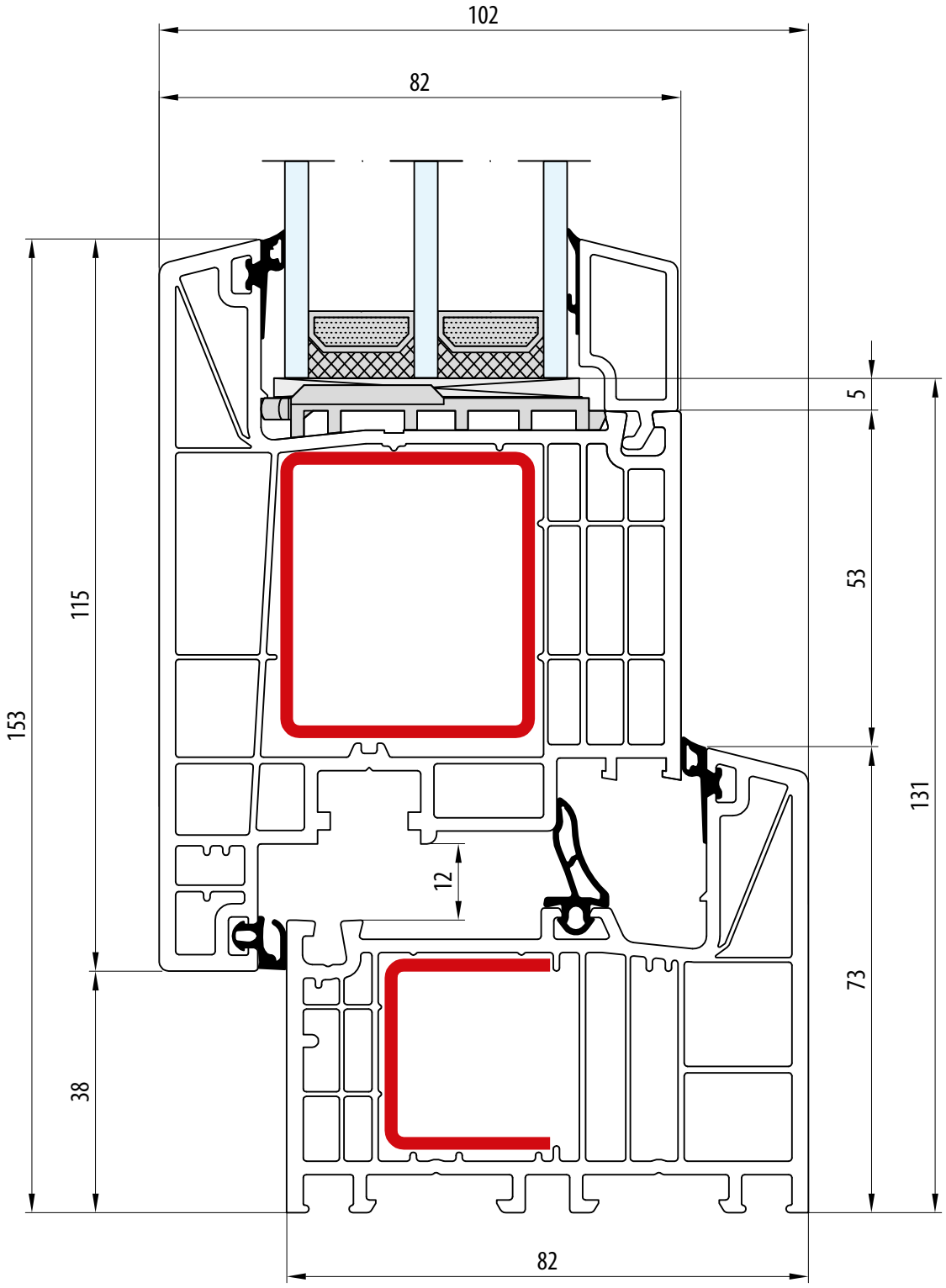

- Rama: 73 mm · Skrzydło: 85 mm
- Dormant: 73 mm · Vantail: 85 mm
- Frame: 73 mm · Sash: 85 mm
- Rahmen: 73 mm · Flügel: 85 mm
- Telaio: 73 mm · Anta: 85 mm
- Kozijn: 73 mm · Vleugel: 85 mm



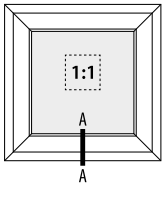


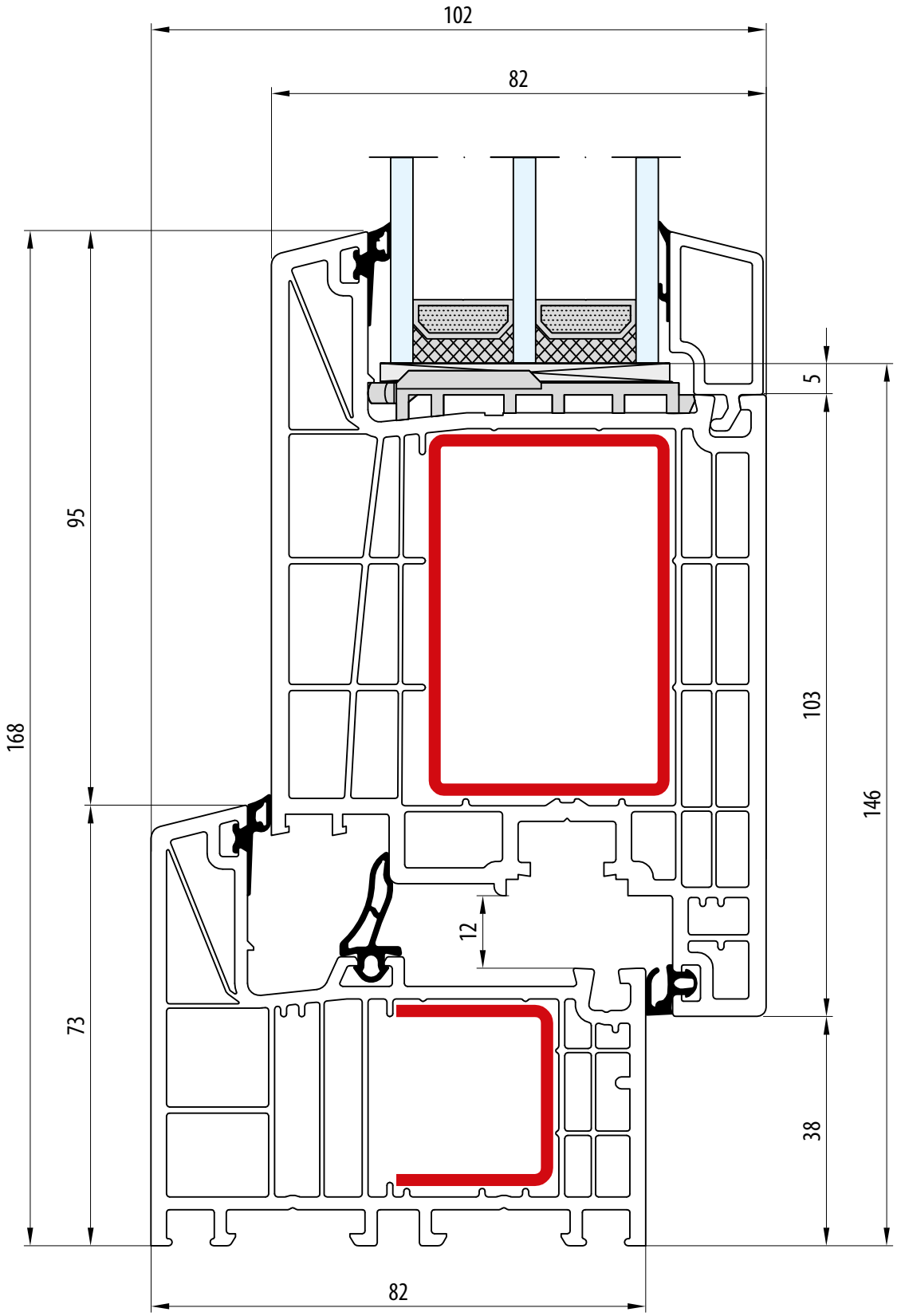

- Rama: 73 mm · Skrzydło: 115 mm
- Dormant: 73 mm · Vantail: 115 mm
- Frame: 73 mm · Sash: 115 mm
- Rahmen: 73 mm · Flügel: 115 mm
- Telaio: 73 mm · Anta: 115 mm
- Kozijn: 73 mm · Vleugel: 115 mm



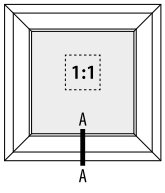


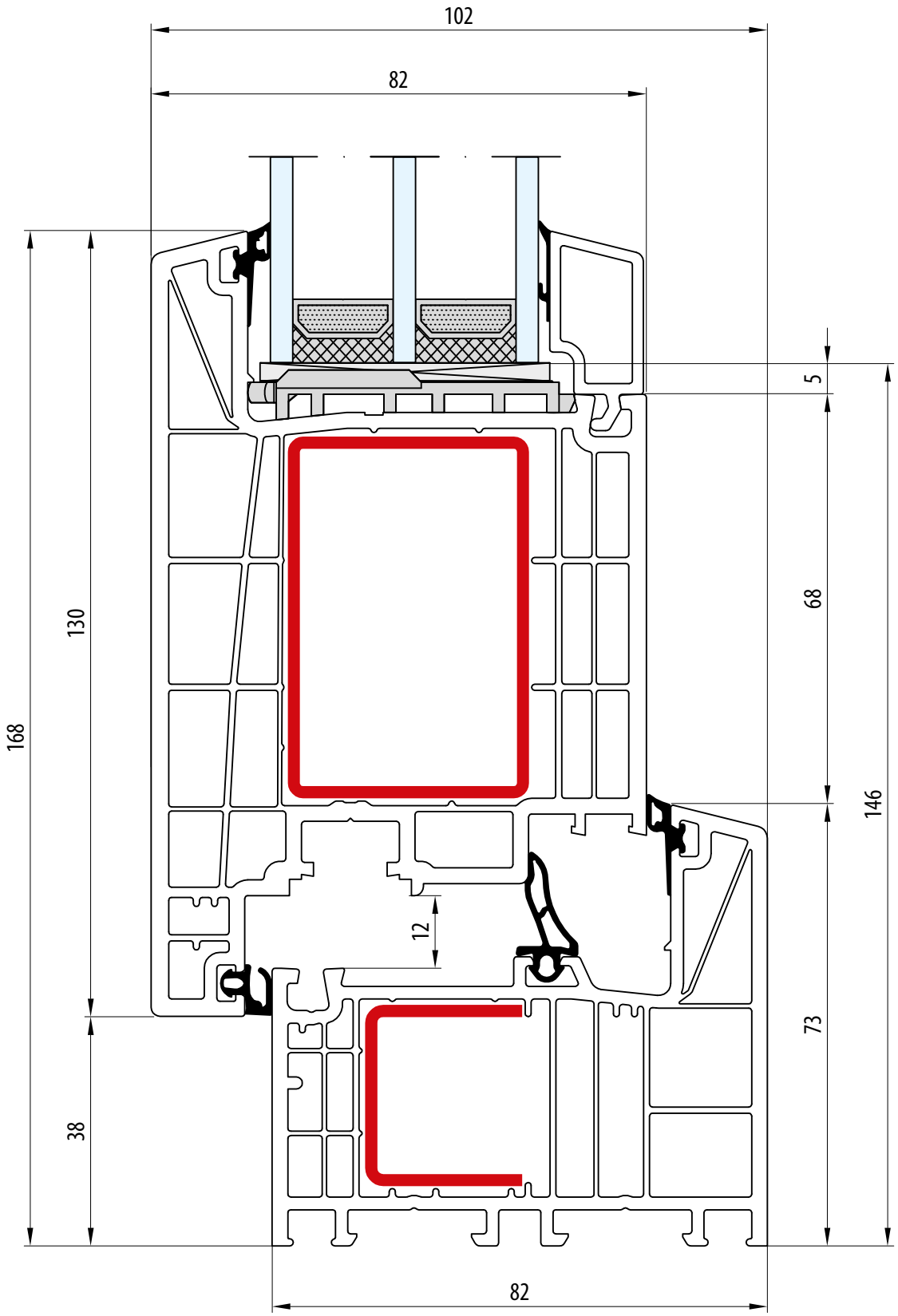

- Rama: 73 mm · Skrzydło: 115 mm
- Dormant: 73 mm · Vantail: 115 mm
- Frame: 73 mm · Sash: 115 mm
- Rahmen: 73 mm · Flügel: 115 mm
- Telaio: 73 mm · Anta: 115 mm
- Kozijn: 73 mm · Vleugel: 115 mm



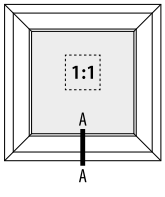


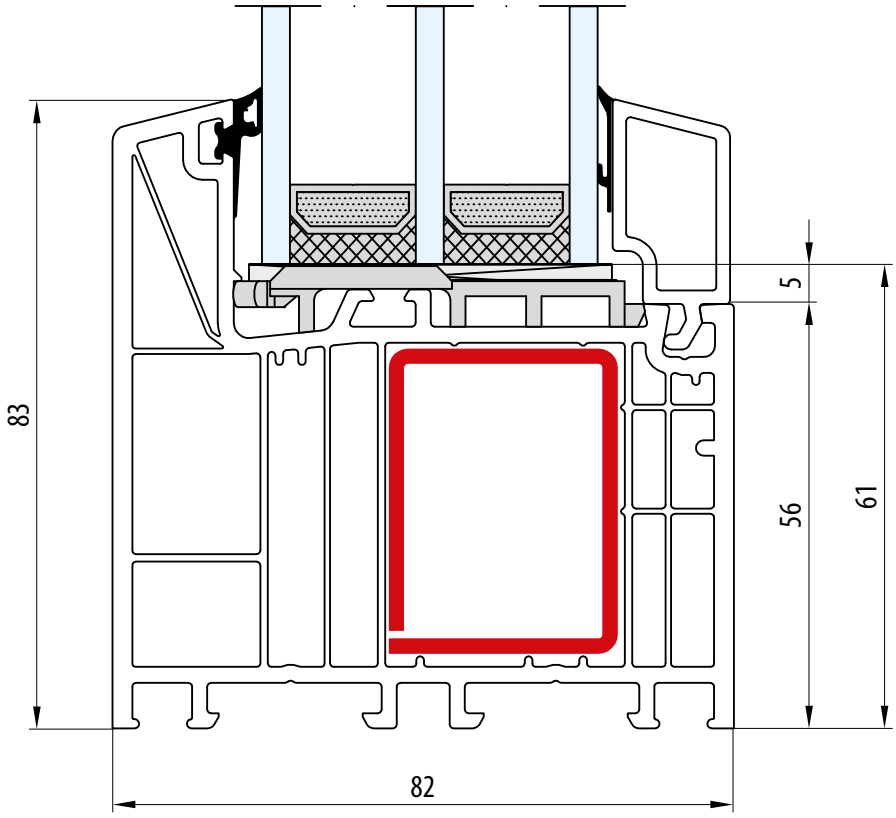

- Rama: 73 mm · Skrzydło: 130 mm
- Dormant: 73 mm · Vantail: 130 mm
- Frame: 73 mm · Sash: 130 mm
- Rahmen: 73 mm · Flügel: 130 mm
- Telaio: 73 mm · Anta: 130 mm
- Kozijn: 73 mm · Vleugel: 130 mm



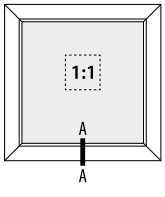


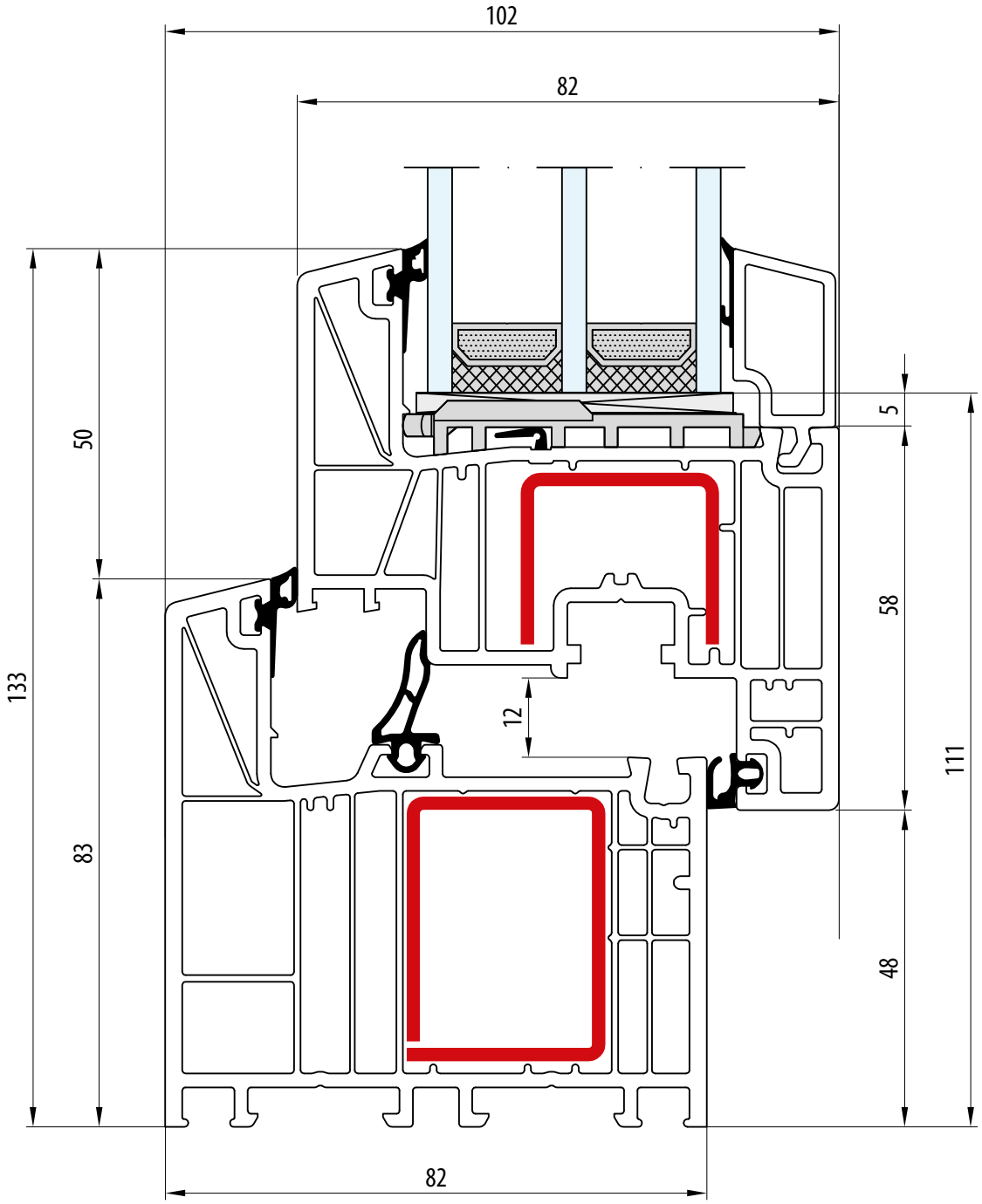

- Rama: 73 mm · Skrzydło: 130 mm
- Dormant: 73 mm · Vantail: 130 mm
- Frame: 73 mm · Sash: 130 mm
- Rahmen: 73 mm · Flügel: 130 mm
- Telaio: 73 mm · Anta: 130 mm
- Kozijn: 73 mm · Vleugel: 130 mm



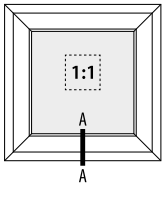


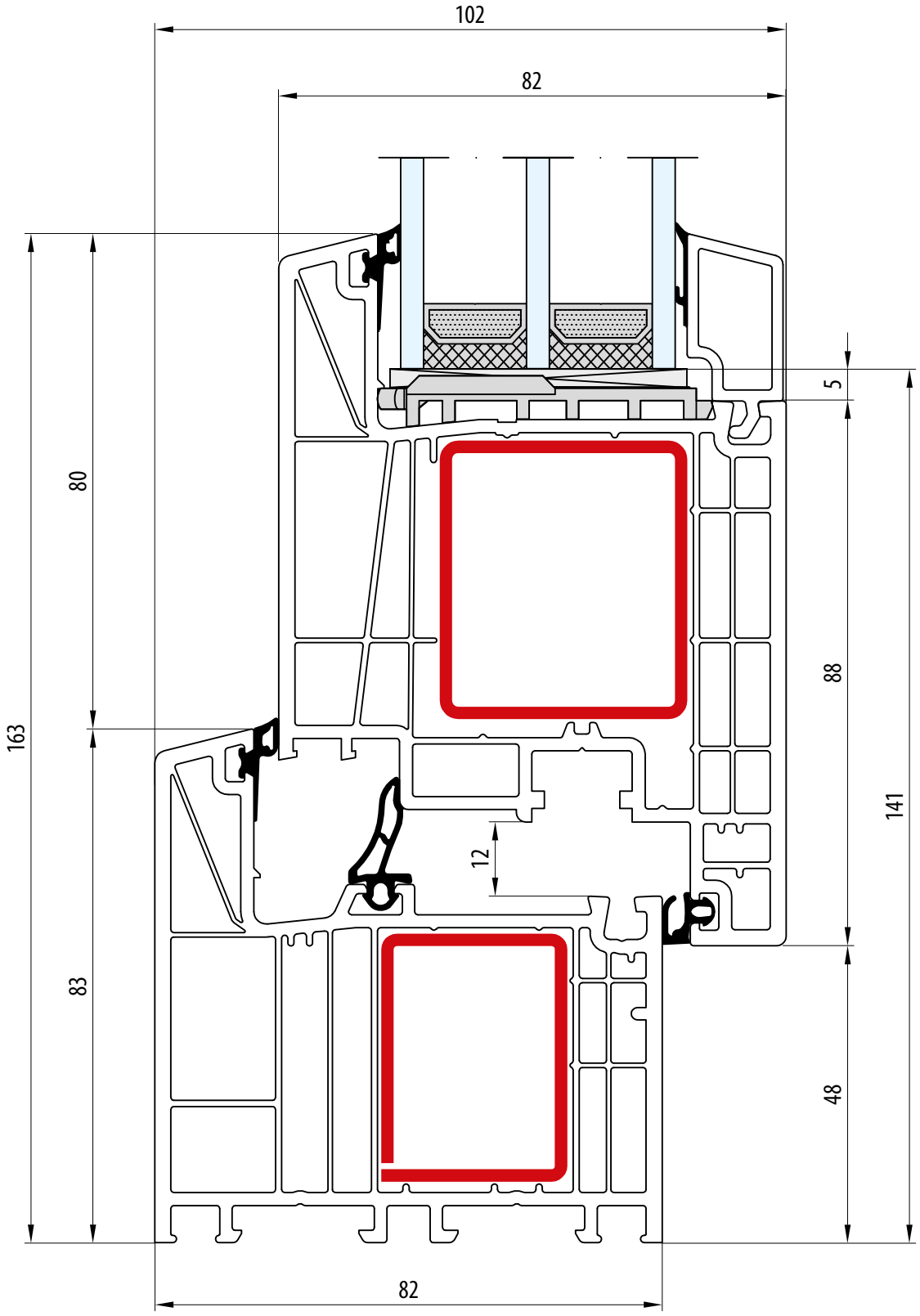

- Rama: 83 mm
- Dormant: 83 mm
- Frame: 83 mm
- Rahmen: 83 mm
- Telaio: 83 mm
- Kozijn: 83 mm



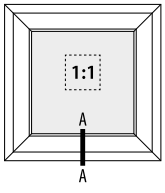


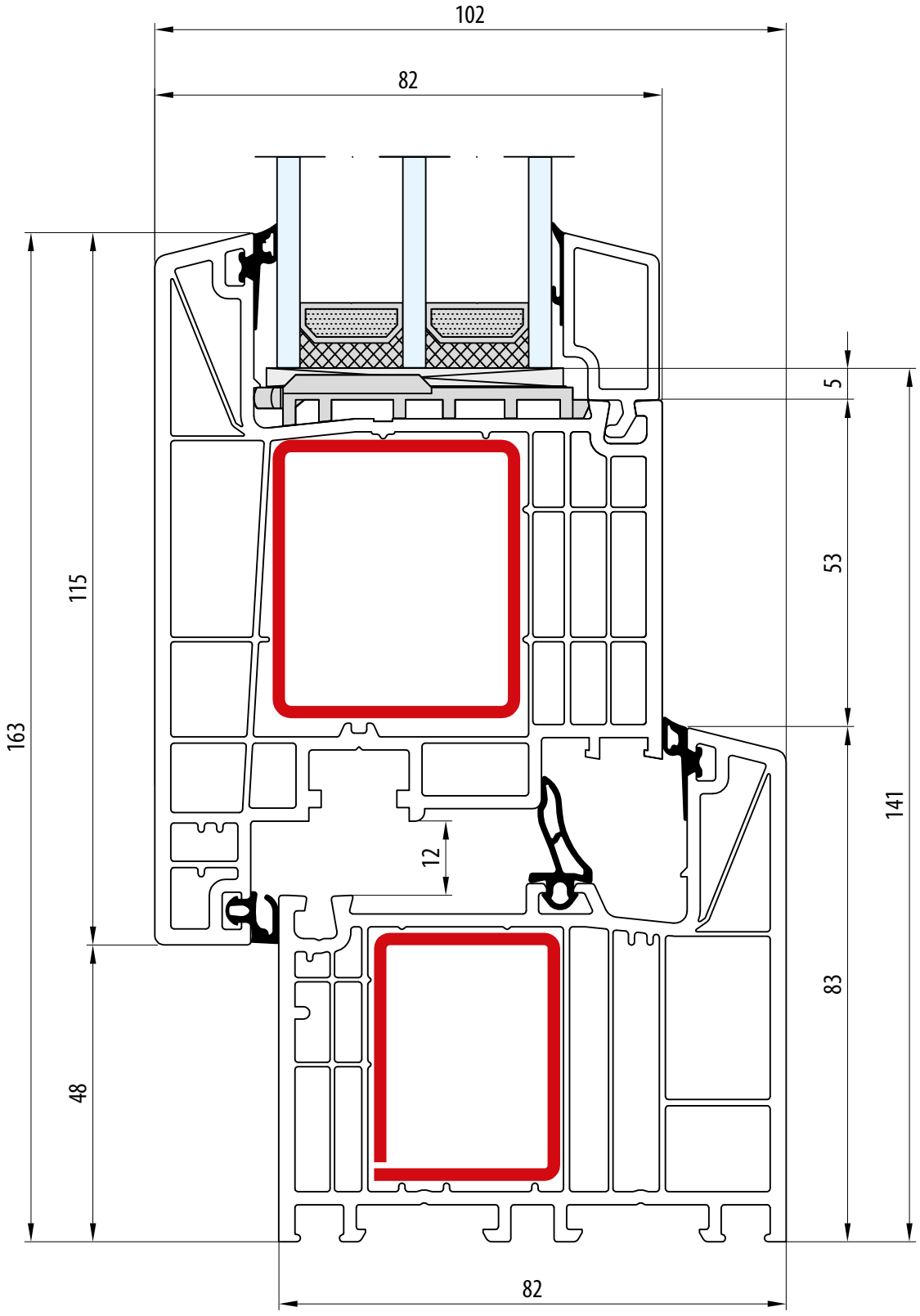

- Rama: 83 mm · Skrzydło: 85 mm
- Dormant: 83 mm · Vantail: 85 mm
- Frame: 83 mm · Sash: 85 mm
- Rahmen: 83 mm · Flügel: 85 mm
- Telaio: 83 mm · Anta: 85 mm
- Kozijn: 83 mm · Vleugel: 85 mm



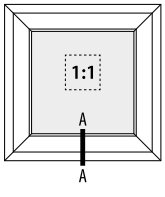


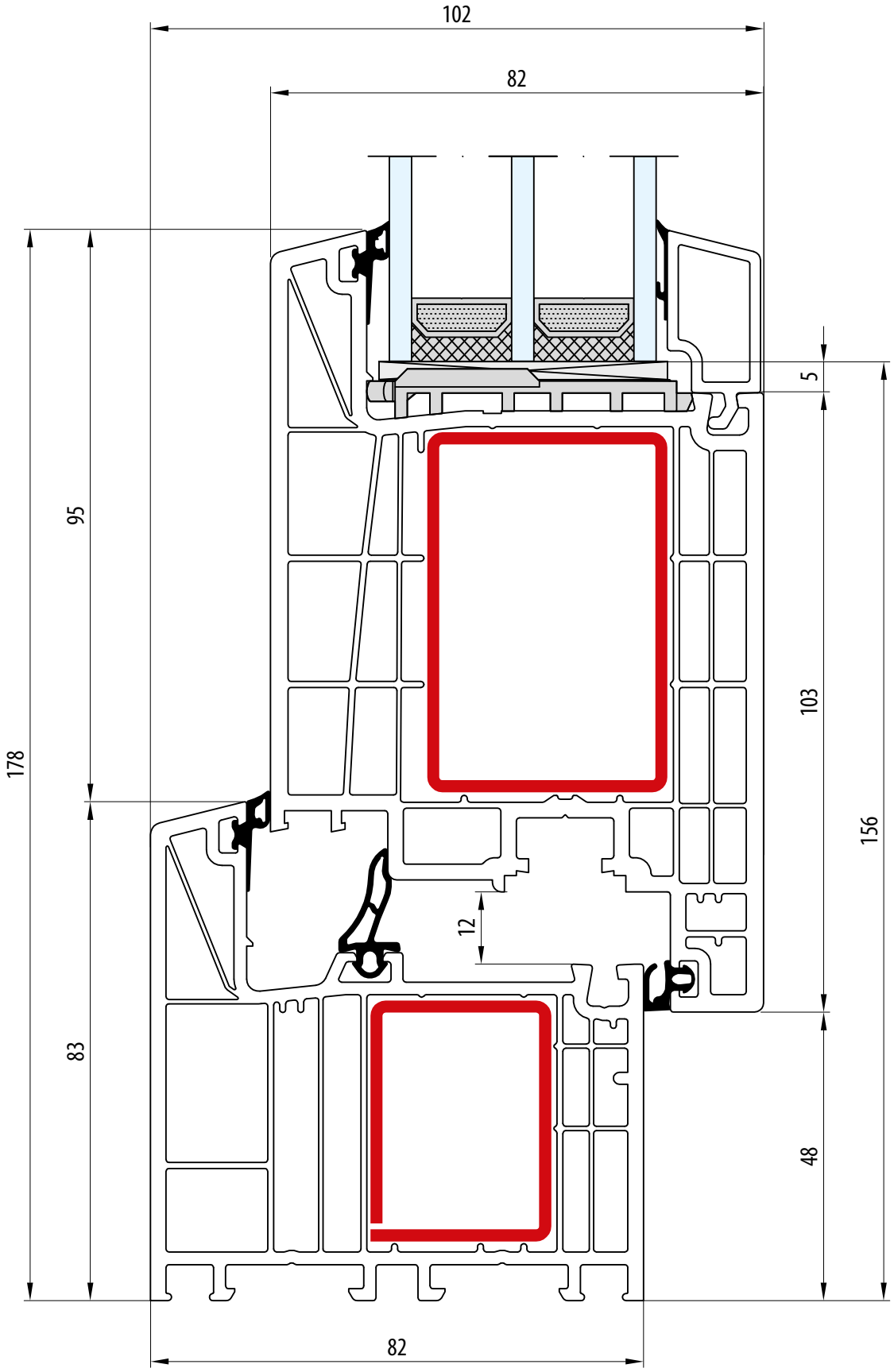

Rama: 83 mm · Skrzydło: 115 mm
Dormant: 83 mm · Vantail: 115 mm
Frame: 83 mm · Sash: 115 mm
Rahmen: 83 mm · Flügel: 115 mm
Telaio: 83 mm · Anta: 115 mm
Kozijn: 83 mm · Vleugel: 115 mm



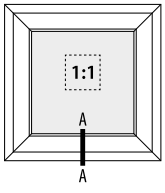


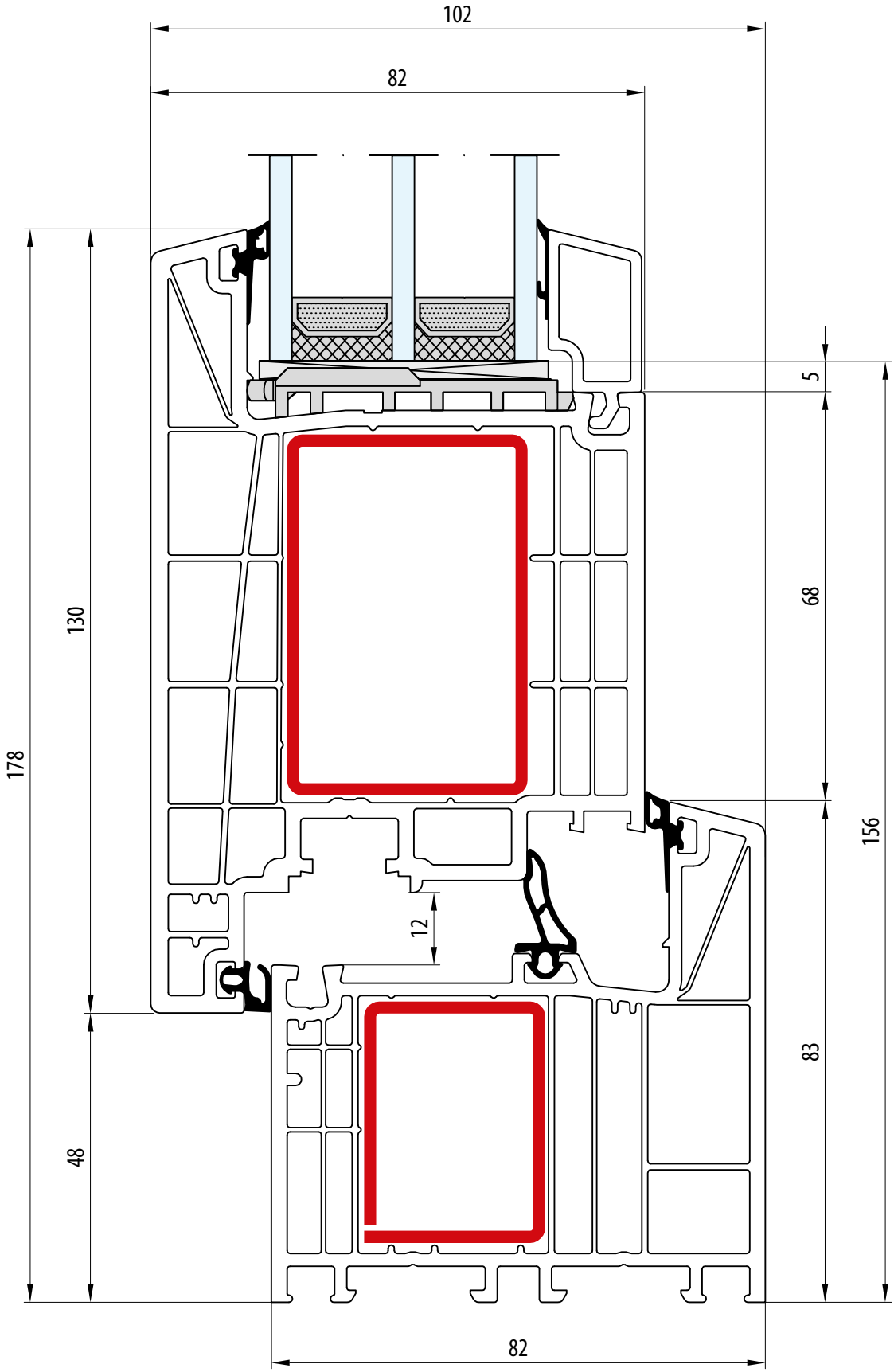

- Rama: 83 mm · Skrzydło: 115 mm
- Dormant: 83 mm · Vantail: 115 mm
- Frame: 83 mm · Sash: 115 mm
- Rahmen: 83 mm · Flügel: 115 mm
- Telaio: 83 mm · Anta: 115 mm
- Kozijn: 83 mm · Vleugel: 115 mm



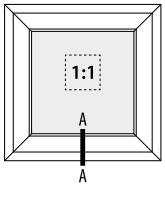


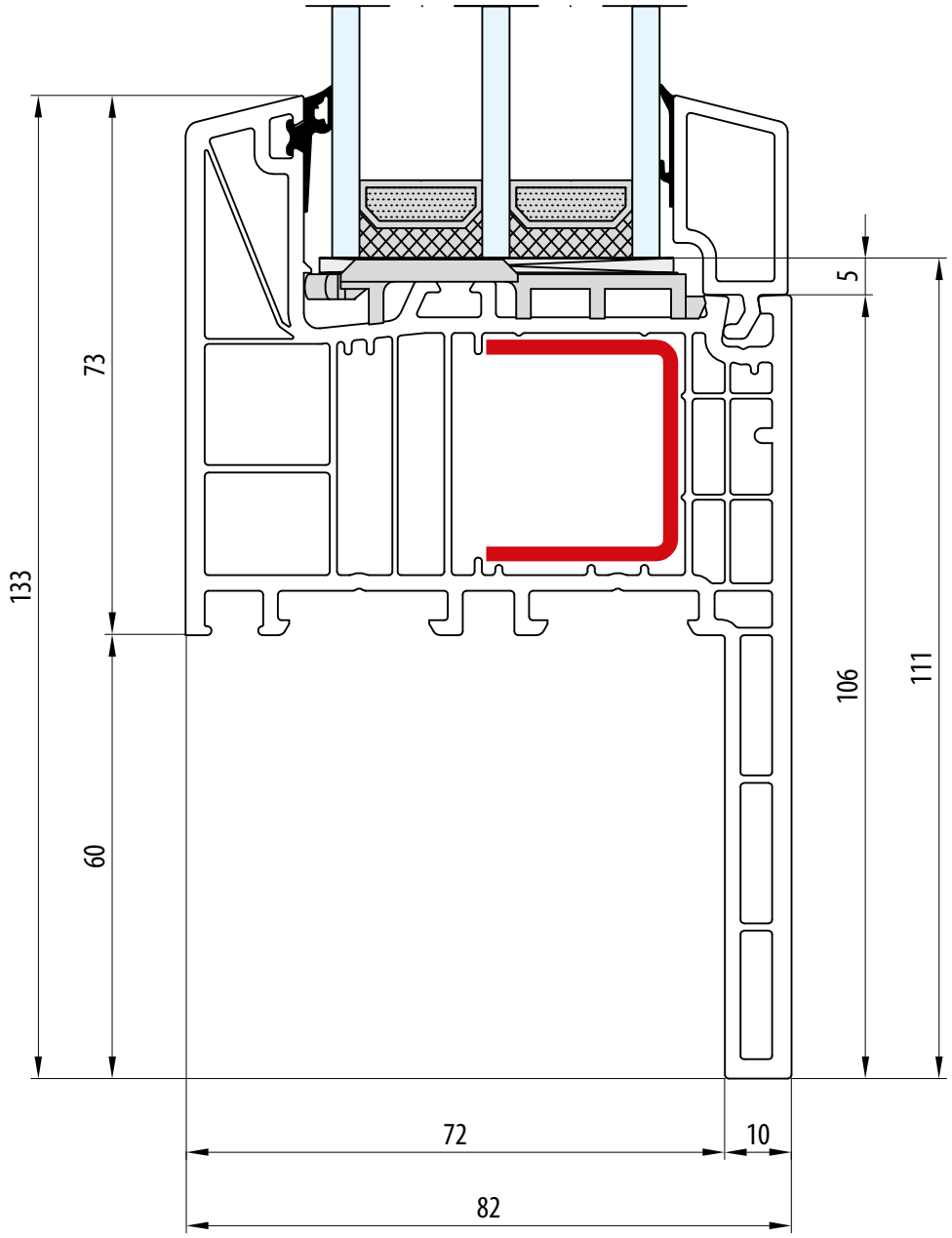

- Rama: 83 mm · Skrzydło: 130 mm
- Dormant: 83 mm · Vantail: 130 mm
- Frame: 83 mm · Sash: 130 mm
- Rahmen: 83 mm · Flügel: 130 mm
- Telaio: 83 mm · Anta: 130 mm
- Kozijn: 83 mm · Vleugel: 130 mm



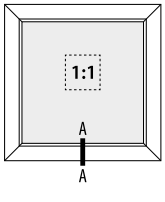


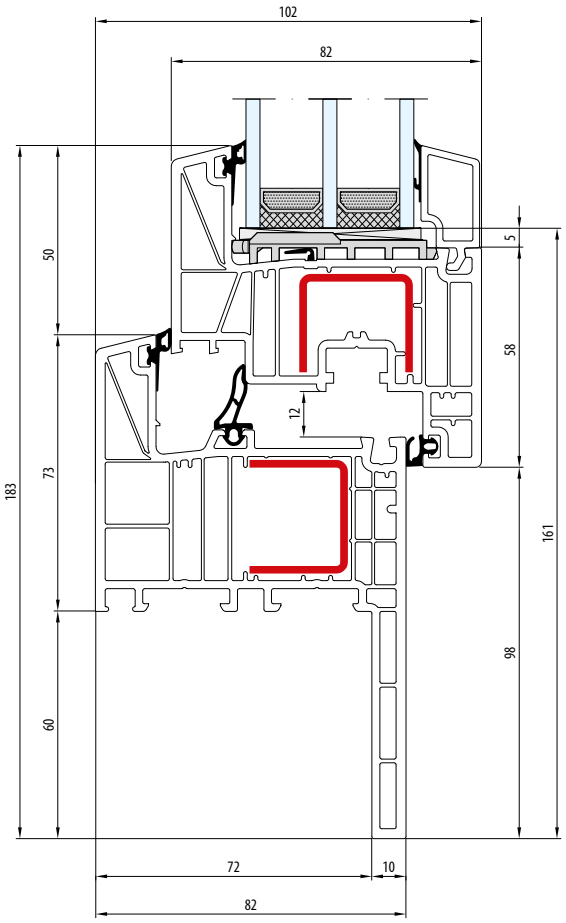

- Rama: 83 mm · Skrzydło: 130 mm
- Dormant: 83 mm · Vantail: 130 mm
- Frame: 83 mm · Sash: 130 mm
- Rahmen: 83 mm · Flügel: 130 mm
- Telaio: 83 mm · Anta: 130 mm
- Kozijn: 83 mm · Vleugel: 130 mm



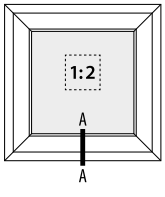


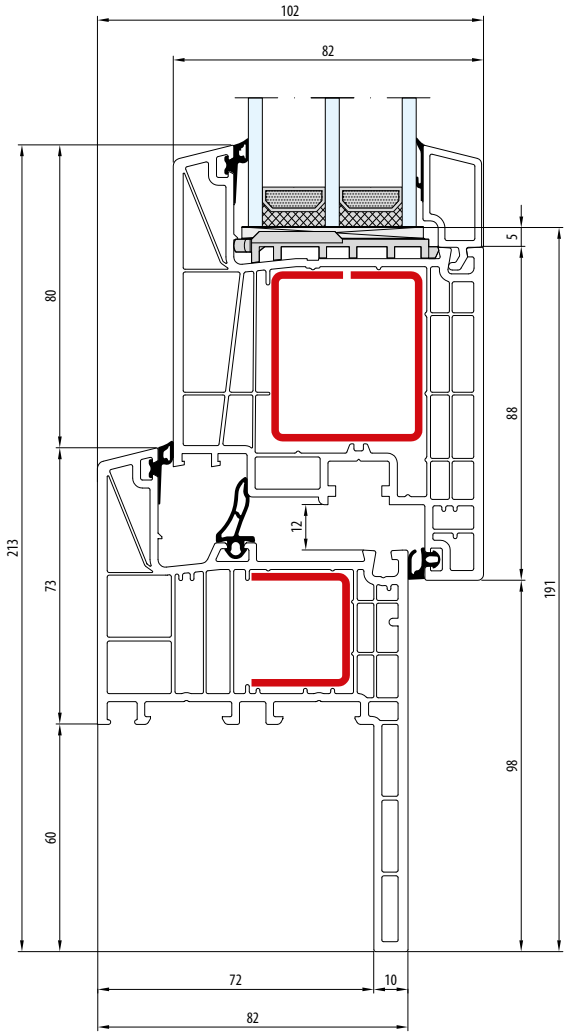

- RENOWACJA - Płetwa: 60 mm · Rama: 73 mm
- RÉNOVATION - Lip: 60 mm · Dormant: 73 mm
- RENOVATION - Strip: 60 mm · Frame: 73 mm
- RENOVIERUNG - Flosse: 60 mm · Rahmen: 73 mm
- RINNOVAZIONE - Aletta da: 60 mm · Telaio: 73 mm
- RENOVATIE - Vin: 60 mm · Kozijn: 73 mm



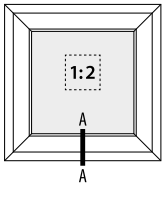


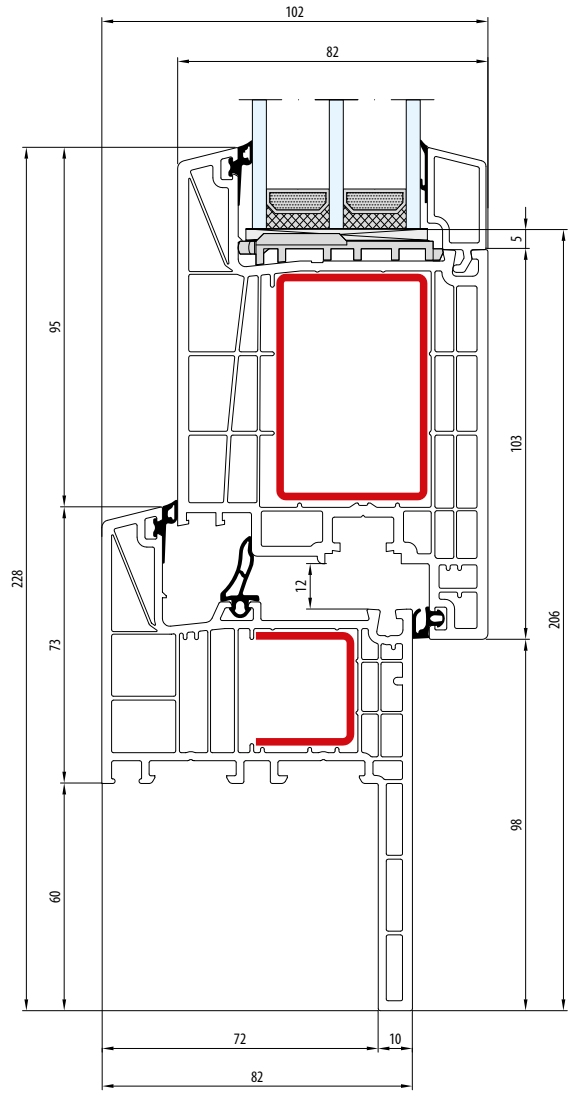

RENOWACJA - Płetwa: 60 mm · Rama: 73 mm · Skrzydło: 85 mm
RÉNOVATION - Lip: 60 mm · Dormant: 73 mm · Vantail: 85 mm
RENOVATION - Strip: 60 mm · Frame: 73 mm · Sash: 85 mm
RENOVIERUNG - Flosse: 60 mm · Rahmen: 73 mm · Flügel: 85 mm
RINNOVAZIONE - Aletta da: 60 mm · Telaio: 73 mm · Anta: 85 mm
RENOVATIE - Vin: 60 mm · Kozijn: 73 mm · Vleugel: 85 mm



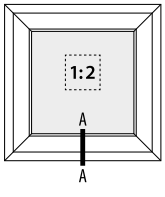


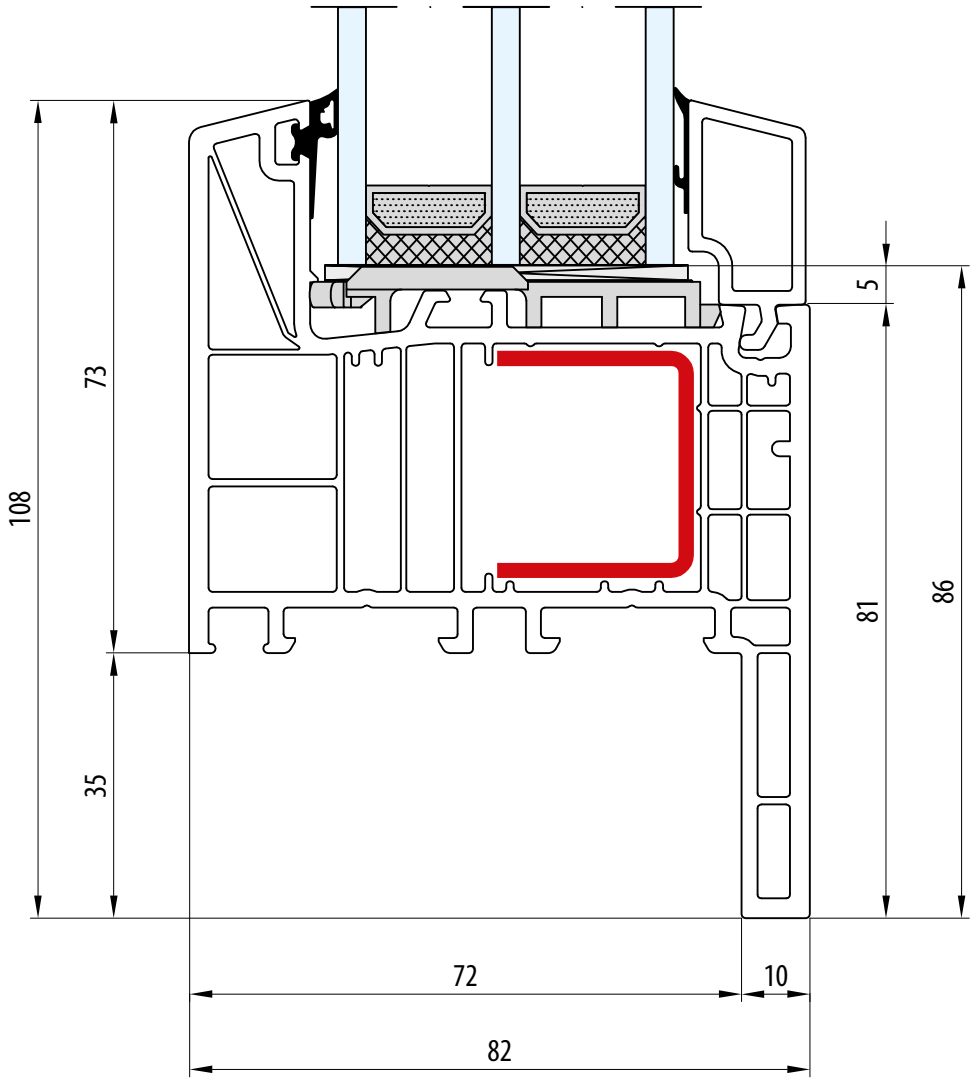

- RENOWACJA - Płetwa: 60 mm · Rama: 73 mm · Skrzydło: 115 mm
- RÉNOVATION - Lip: 60 mm · Dormant: 73 mm · Vantail: 115 mm
- RENOVATION - Strip: 60 mm · Frame: 73 mm · Sash: 115 mm
- RENOVIERUNG - Flosse: 60 mm · Rahmen: 73 mm · Flügel: 115 mm
- RINNOVAZIONE - Aletta da: 60 mm · Telaio: 73 mm · Anta: 115 mm
- RENOVATIE - Vin: 60 mm · Kozijn: 73 mm · Vleugel: 115 mm



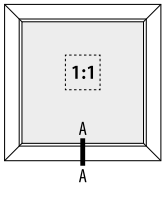


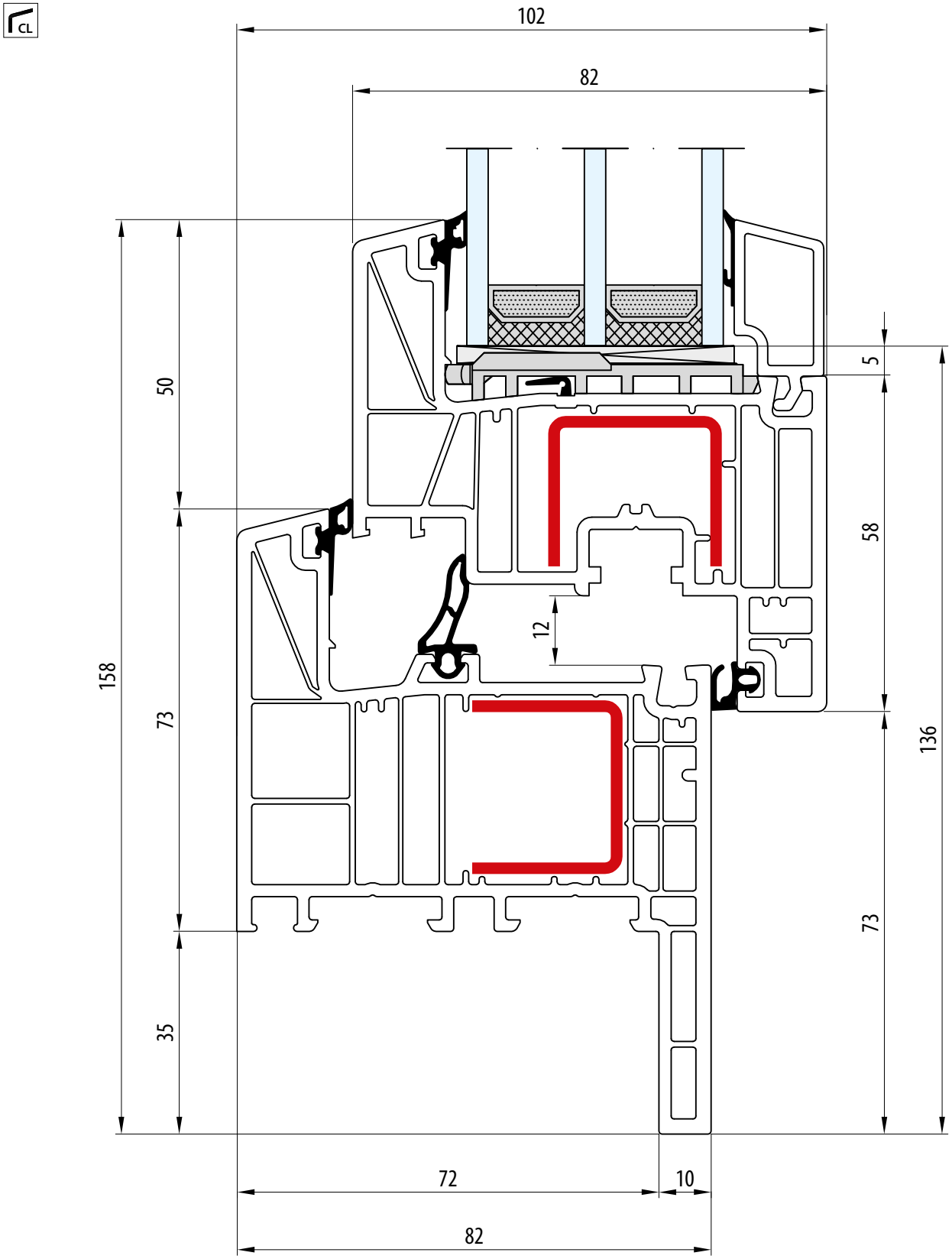

RENOWACJA - Płetwa: 60 mm · Rama: 73 mm · Skrzydło: 130 mm
RÉNOVATION - Lip: 60 mm · Dormant: 73 mm · Vantail: 130 mm
RENOVATION - Strip: 60 mm · Frame: 73 mm · Sash: 130 mm
RENOVIERUNG - Flosse: 60 mm · Rahmen: 73 mm · Flügel: 130 mm
RINNOVAZIONE - Aletta da: 60 mm · Telaio: 73 mm · Anta: 130 mm
RENOVATIE - Vin: 60 mm · Kozijn: 73 mm · Vleugel: 130 mm



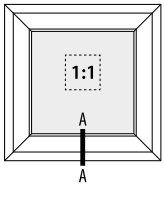


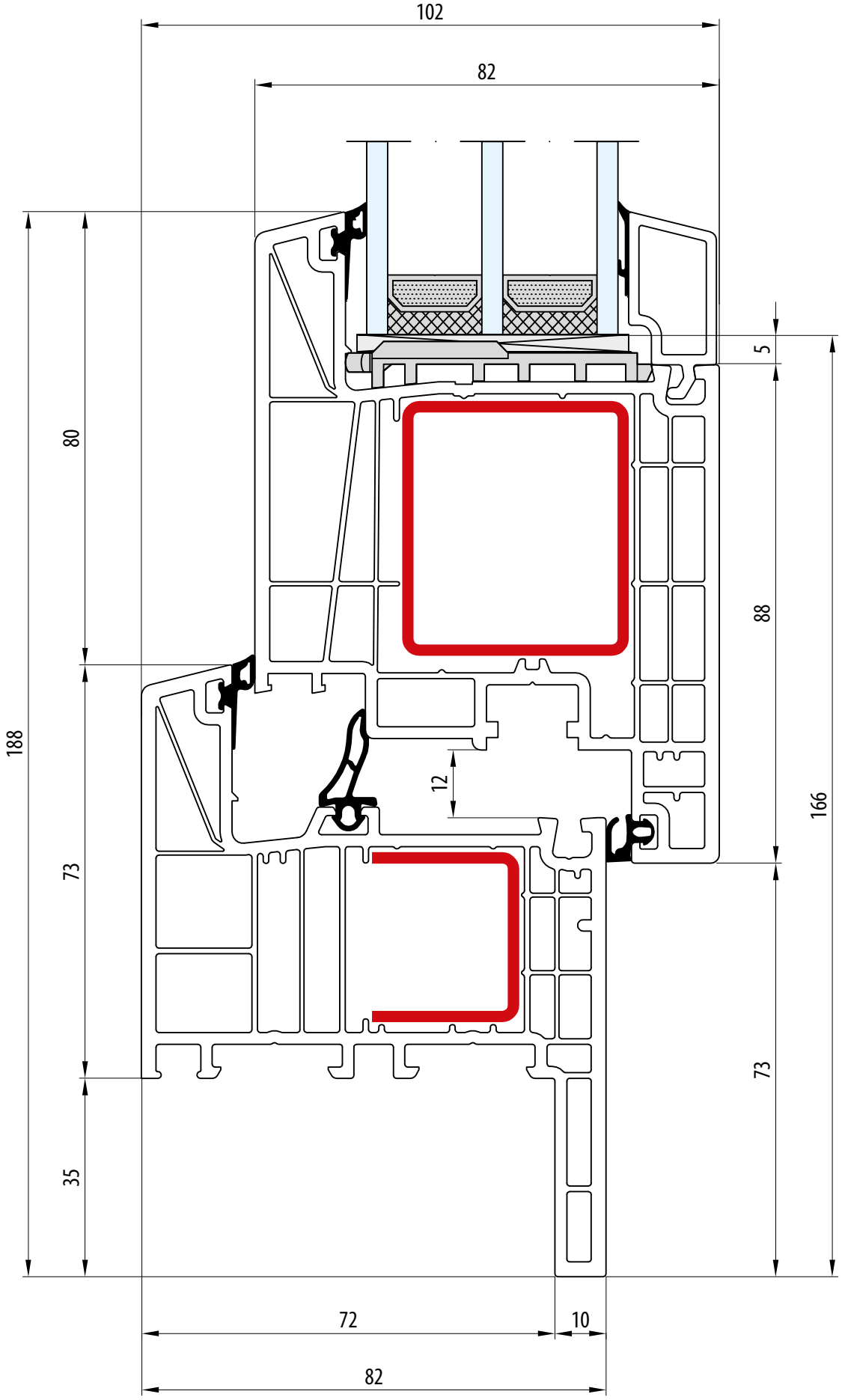

- RENOWACJA - Płetwa: 35 mm · Rama: 73 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 73 mm
- RENOVATION - Strip: 35 mm · Frame: 73 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 73 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 73 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 73 mm



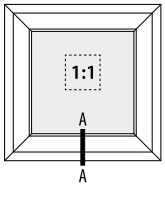


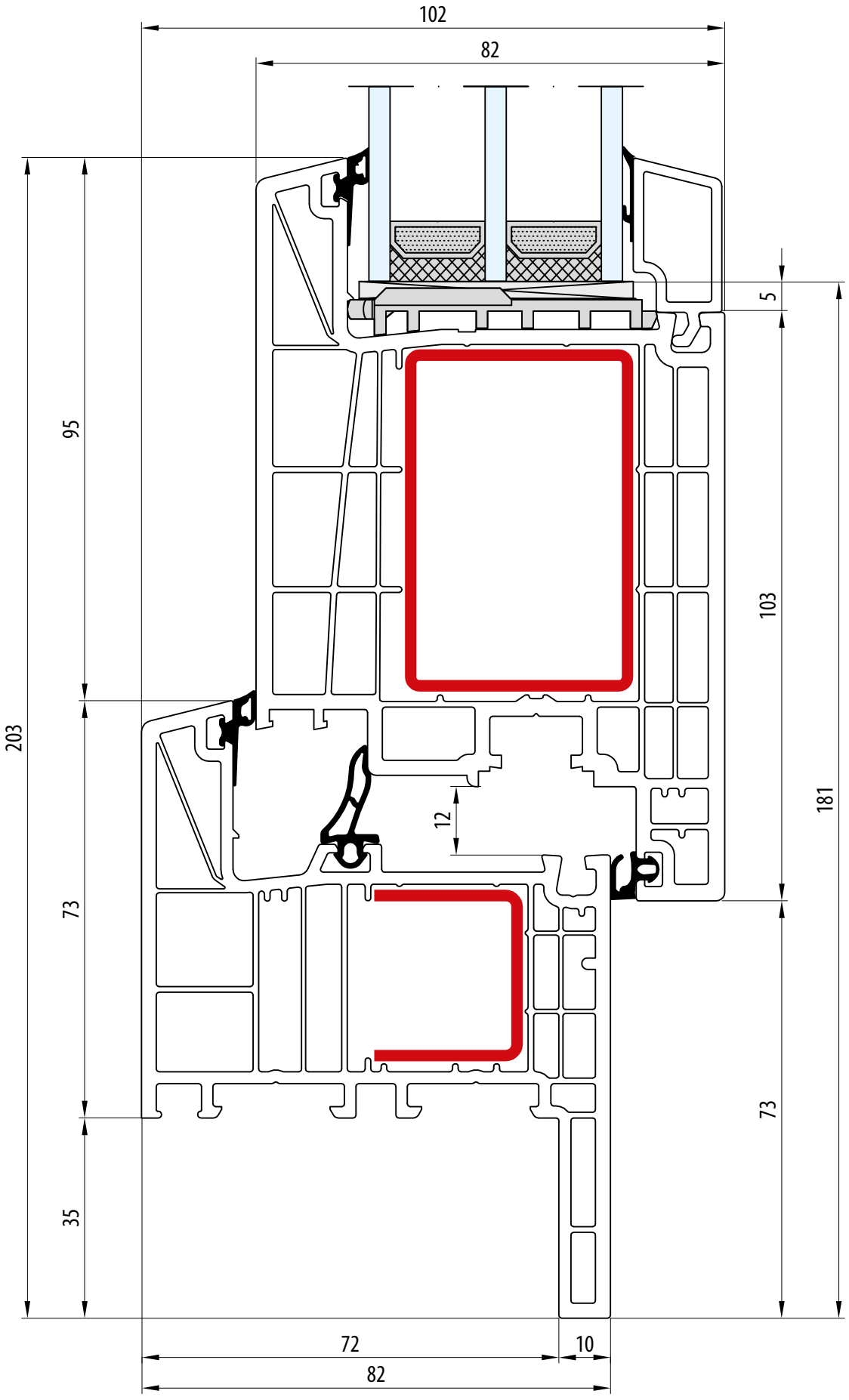

RENOWACJA - Płetwa: 35 mm · Rama: 73 mm · Skrzydło: 85 mm
RÉNOVATION - Lip: 35 mm · Dormant: 73 mm · Vantail: 85 mm
RENOVATION - Strip: 35 mm · Frame: 73 mm · Sash: 85 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 73 mm · Flügel: 85 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 73 mm · Anta: 85 mm
RENOVATIE - Vin: 35 mm · Kozijn: 73 mm · Vleugel: 85 mm



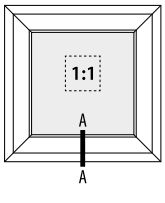


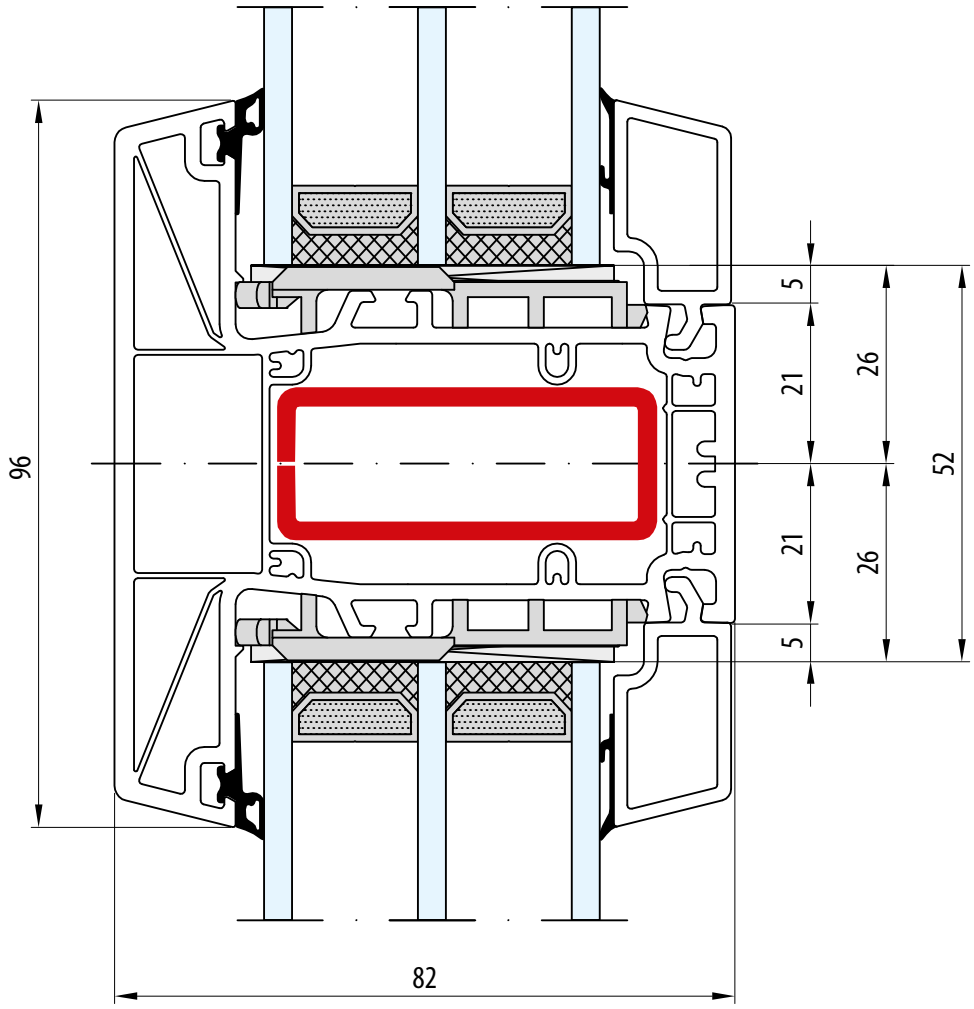

- RENOWACJA - Płetwa: 35 mm · Rama: 73 mm · Skrzydło: 115 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 73 mm · Vantail: 115 mm
- RENOVATION - Strip: 35 mm · Frame: 73 mm · Sash: 115 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 73 mm · Flügel: 115 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 73 mm · Anta: 115 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 73 mm · Vleugel: 115 mm



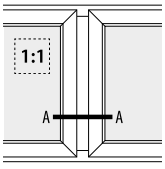


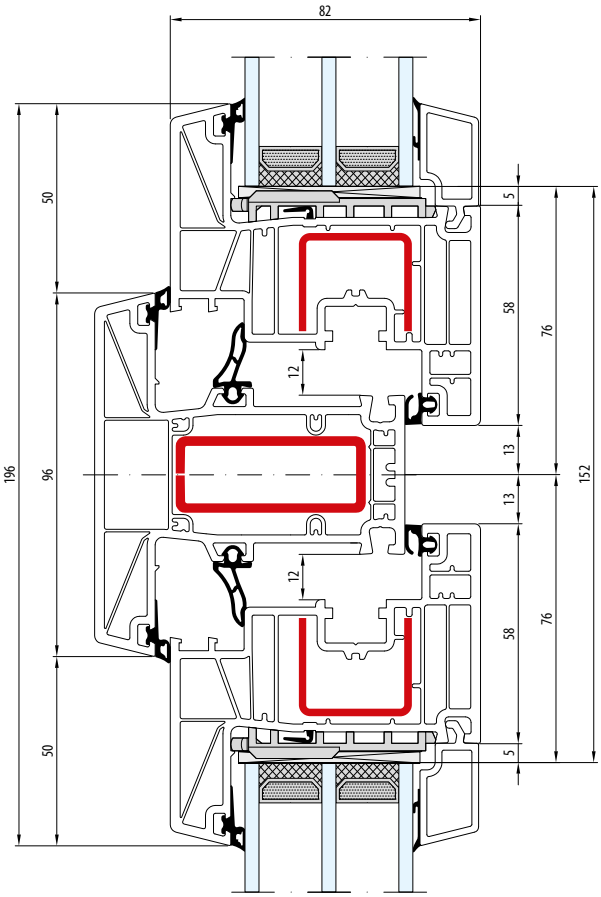

RENOWACJA - Płetwa: 35 mm · Rama: 73 mm · Skrzydło: 130 mm
RÉNOVATION - Lip: 35 mm · Dormant: 73 mm · Vantail: 130 mm
RENOVATION - Strip: 35 mm · Frame: 73 mm · Sash: 130 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 73 mm · Flügel: 130 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 73 mm · Anta: 130 mm
RENOVATIE - Vin: 35 mm · Kozijn: 73 mm · Vleugel: 130 mm



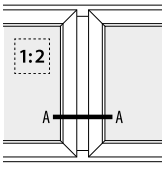


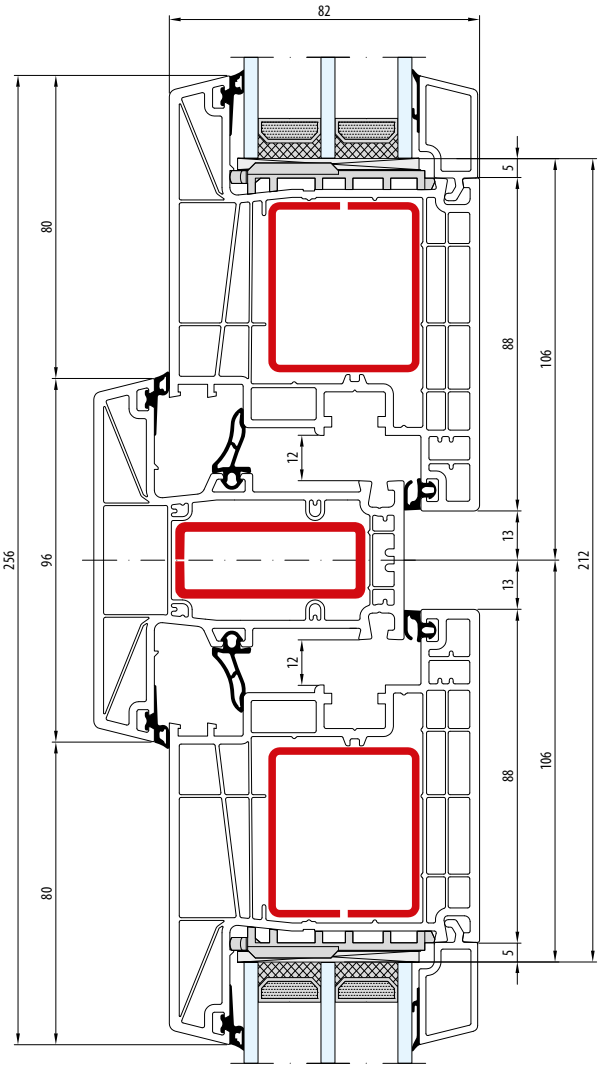

- Słupek stały: 96 mm
- Meneau fixe: 96 mm
- Fix post: 96 mm
- Festem Pfahl: 96 mm
- Montante fisso: 96 mm
- Vaste stijl: 96 mm



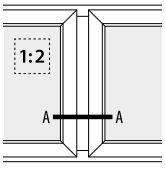


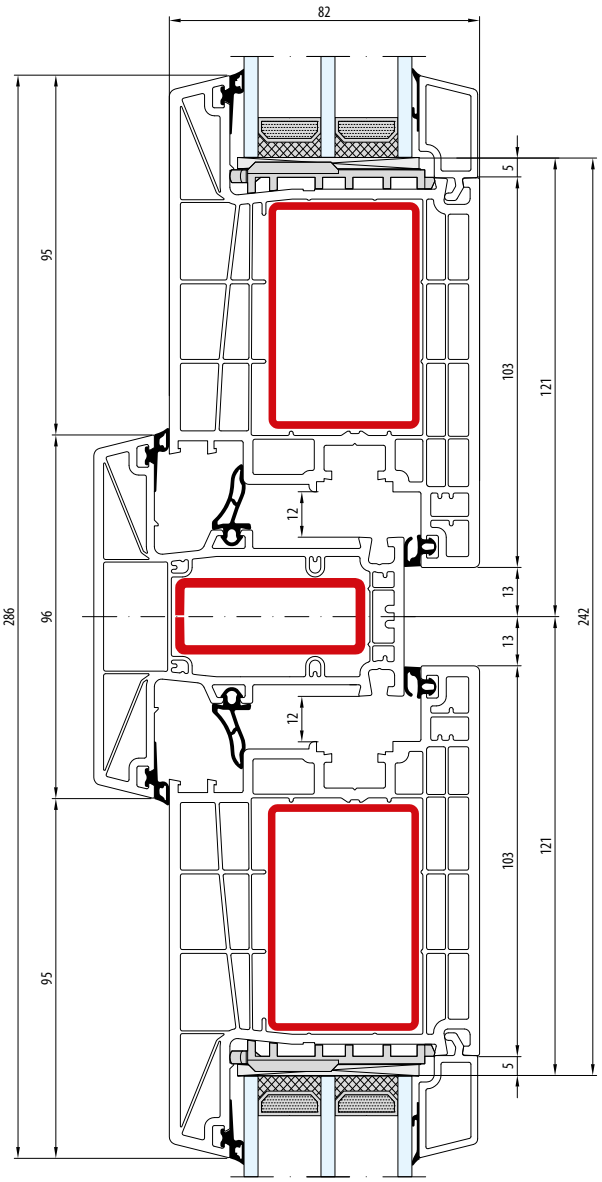

- Słupek stały: 96 mm · Skrzydło: 85 mm
- Meneau fixe: 96 mm · Vantail: 85 mm
- Fix post: 96 mm · Sash: 85 mm
- Festem Pfahl: 96 mm · Flügel: 85 mm
- Montante fisso: 96 mm · Anta: 85 mm
- Vaste stijl: 96 mm · Vleugel: 85 mm



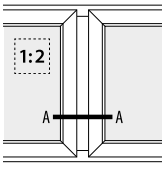


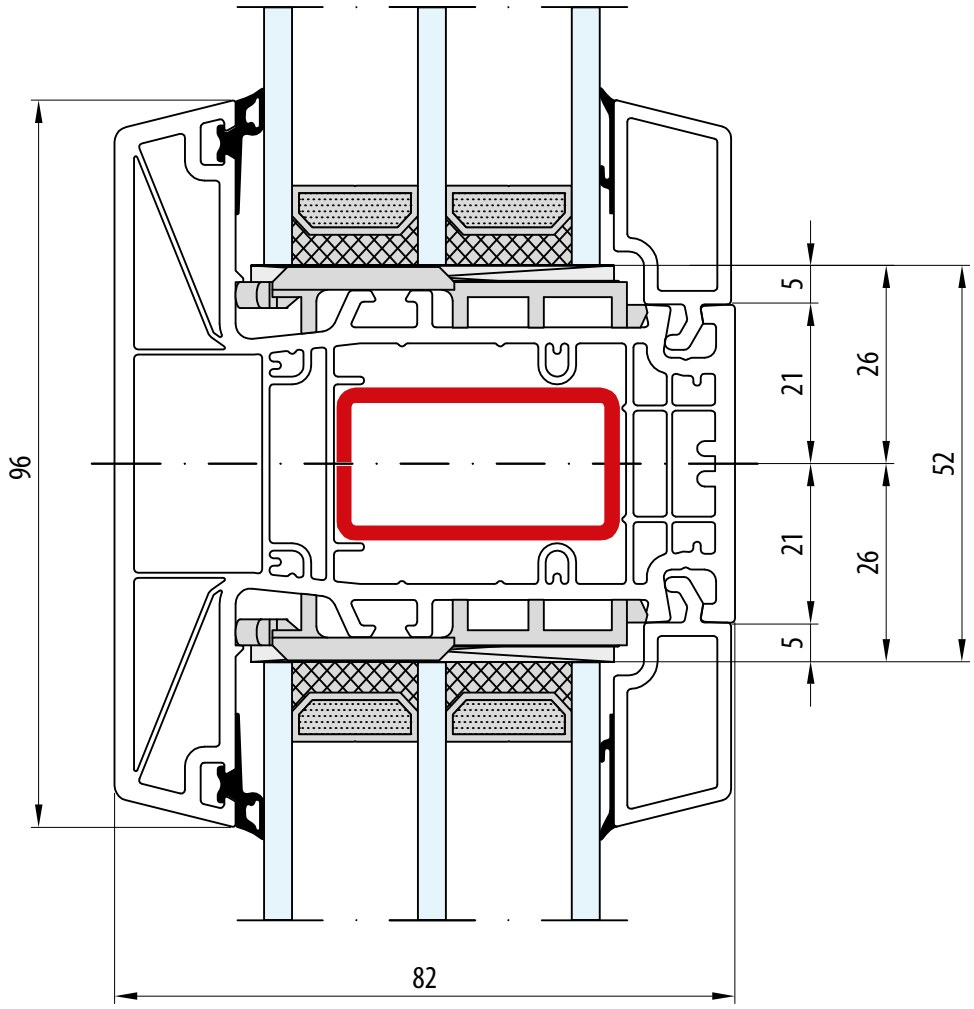

- Słupek stały: 96 mm · Skrzydło: 115 mm
- Meneau fixe: 96 mm · Vantail: 115 mm
- Fix post: 96 mm · Sash: 115 mm
- Festem Pfahl: 96 mm · Flügel: 115 mm
- Montante fisso: 96 mm · Anta: 115 mm
- Vaste stijl: 96 mm · Vleugel: 115 mm



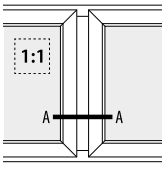


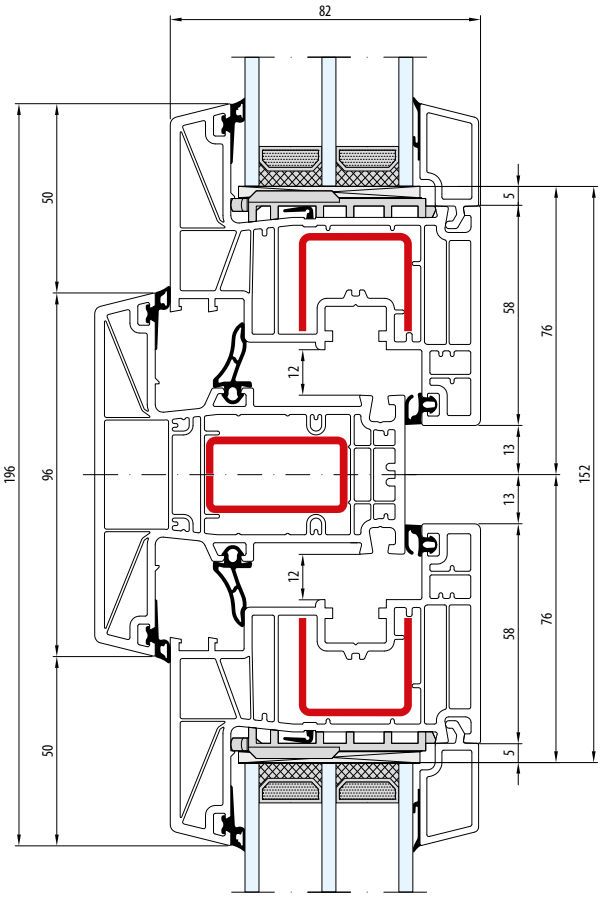

- Słupek stały: 96 mm · Skrzydło: 130 mm
- Meneau fixe: 96 mm · Vantail: 130 mm
- Fix post: 96 mm · Sash: 130 mm
- Festem Pfahl: 96 mm · Flügel: 130 mm
- Montante fisso: 96 mm · Anta: 130 mm
- Vaste stijl: 96 mm · Vleugel: 130 mm



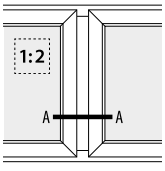


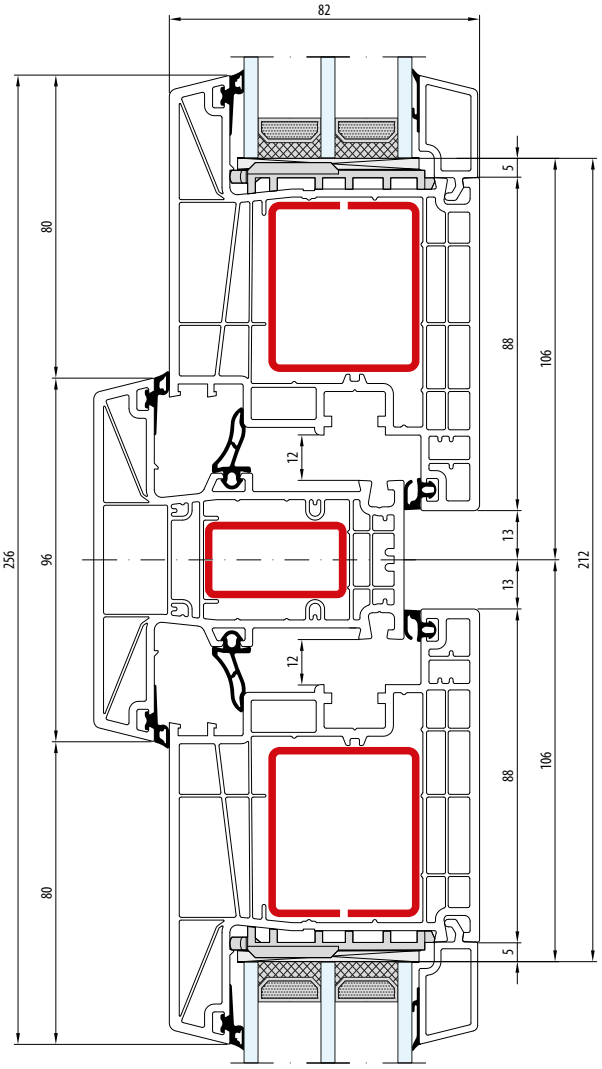

- Słupek stały: 96 mm
- Meneau fixe: 96 mm
- Fix post: 96 mm
- Festem Pfahl: 96 mm
- Montante fisso: 96 mm
- Vaste stijl: 96 mm



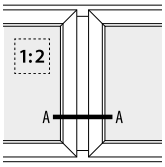


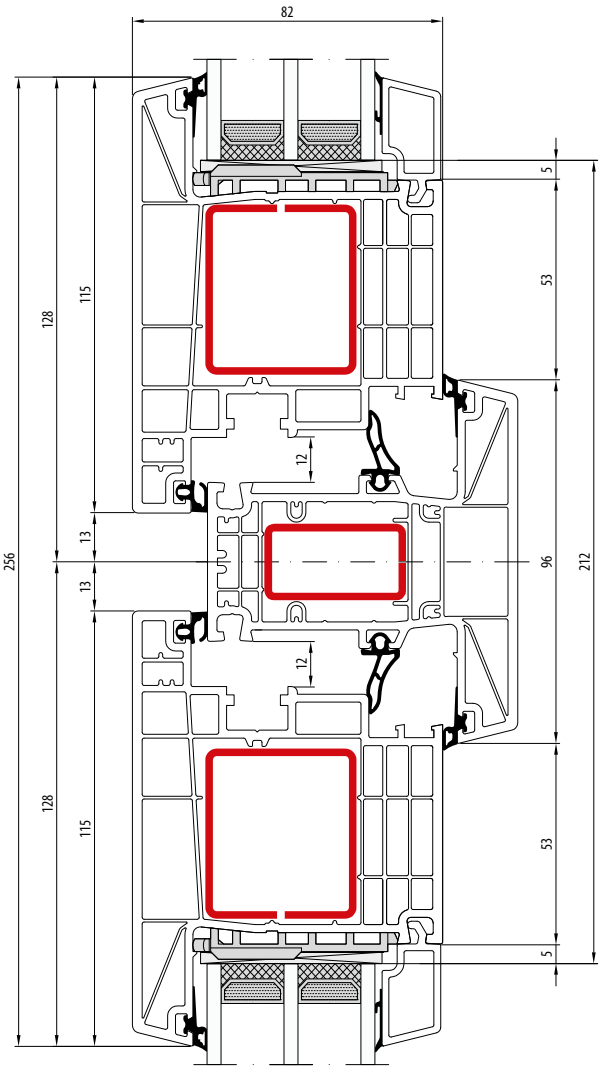

- Słupek stały: 96 mm · Skrzydło: 85 mm
- Meneau fixe: 96 mm · Vantail: 85 mm
- Fix post: 96 mm · Sash: 85 mm
- Festem Pfahl: 96 mm · Flügel: 85 mm
- Montante fisso: 96 mm · Anta: 85 mm
- Vaste stijl: 96 mm · Vleugel: 85 mm



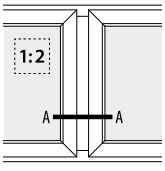


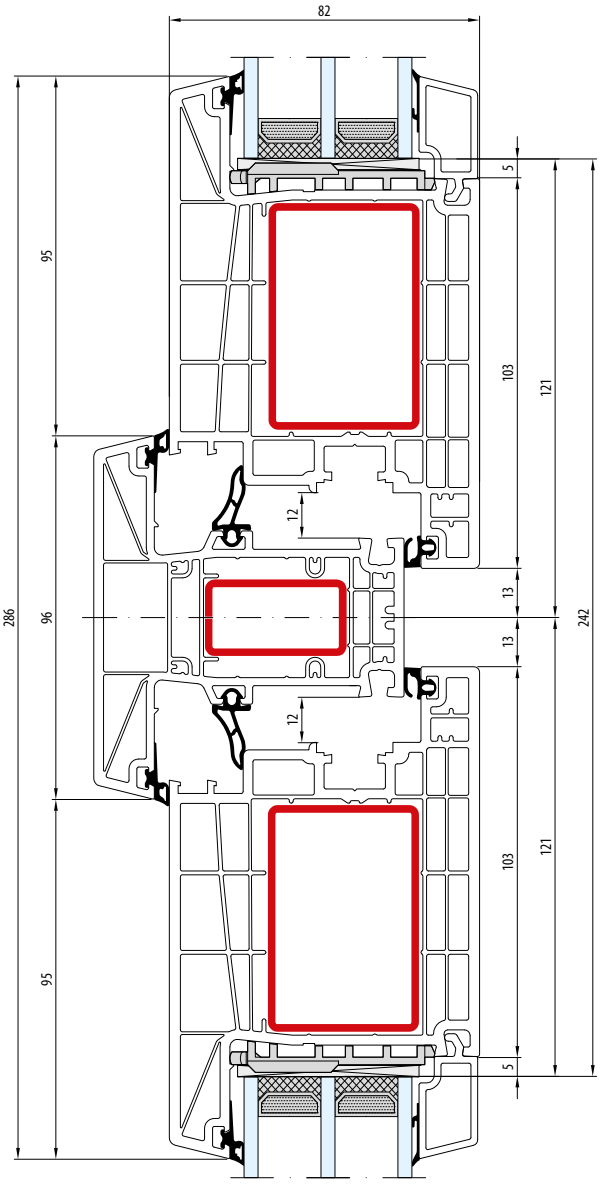

- Słupek stały: 96 mm · Skrzydło: 115 mm
- Meneau fixe: 96 mm · Vantail: 115 mm
- Fix post: 96 mm · Sash: 115 mm
- Festem Pfahl: 96 mm · Flügel: 115 mm
- Montante fisso: 96 mm · Anta: 115 mm
- Vaste stijl: 96 mm · Vleugel: 115 mm



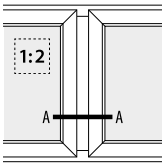


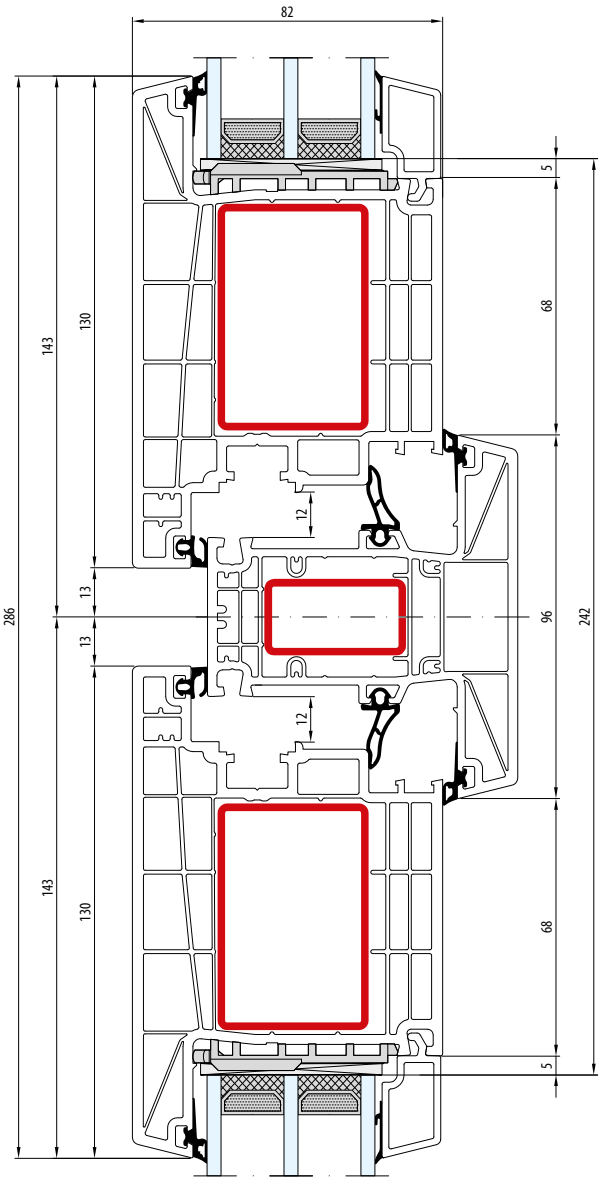

- Słupek stały: 96 mm · Skrzydło: 115 mm
- Meneau fixe: 96 mm · Vantail: 115 mm
- Fix post: 96 mm · Sash: 115 mm
- Festem Pfahl: 96 mm · Flügel: 115 mm
- Montante fisso: 96 mm · Anta: 115 mm
- Vaste stijl: 96 mm · Vleugel: 115 mm



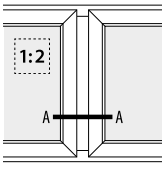


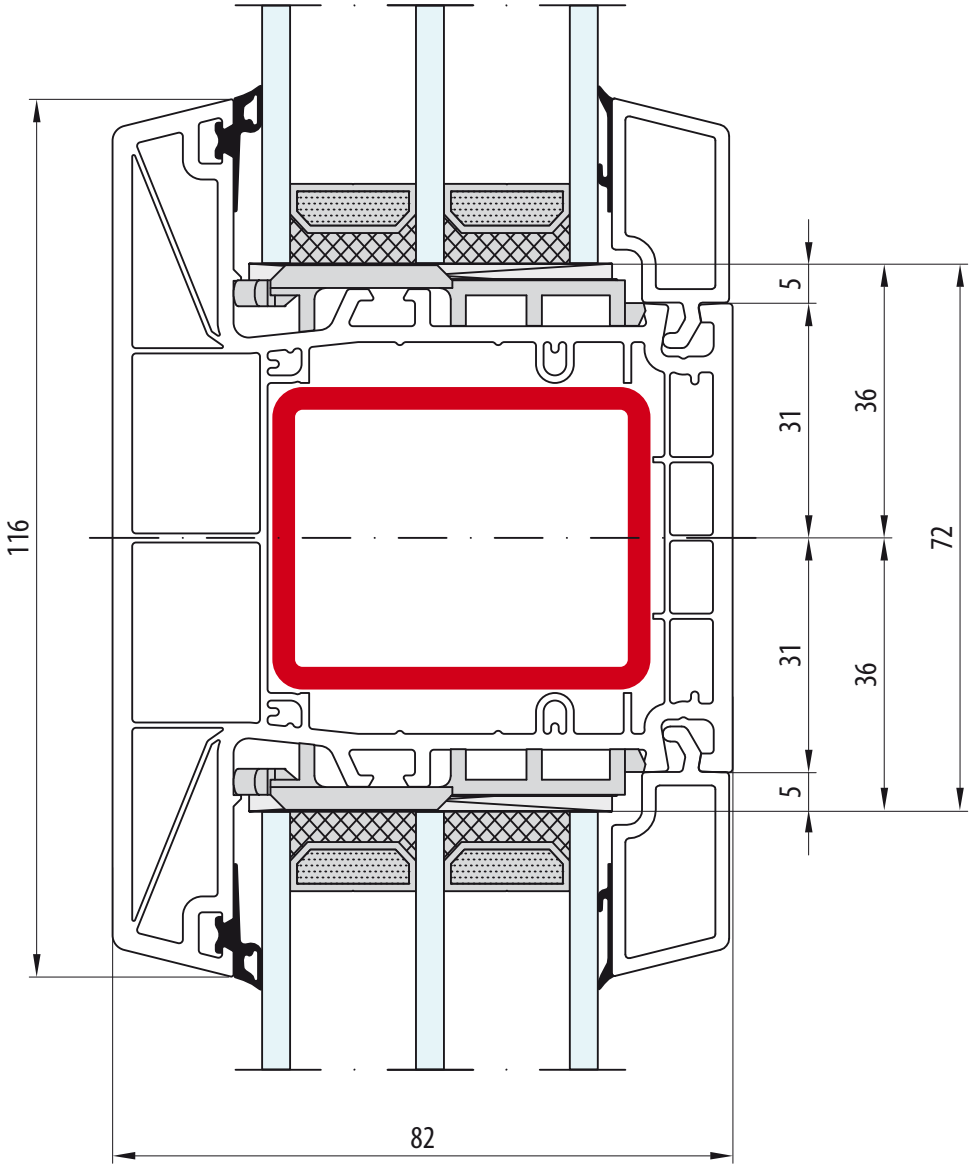

- Słupek stały: 96 mm · Skrzydło: 130 mm
- Meneau fixe: 96 mm · Vantail: 130 mm
- Fix post: 96 mm · Sash: 130 mm
- Festem Pfahl: 96 mm · Flügel: 130 mm
- Montante fisso: 96 mm · Anta: 130 mm
- Vaste stijl: 96 mm · Vleugel: 130 mm



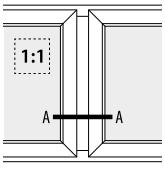


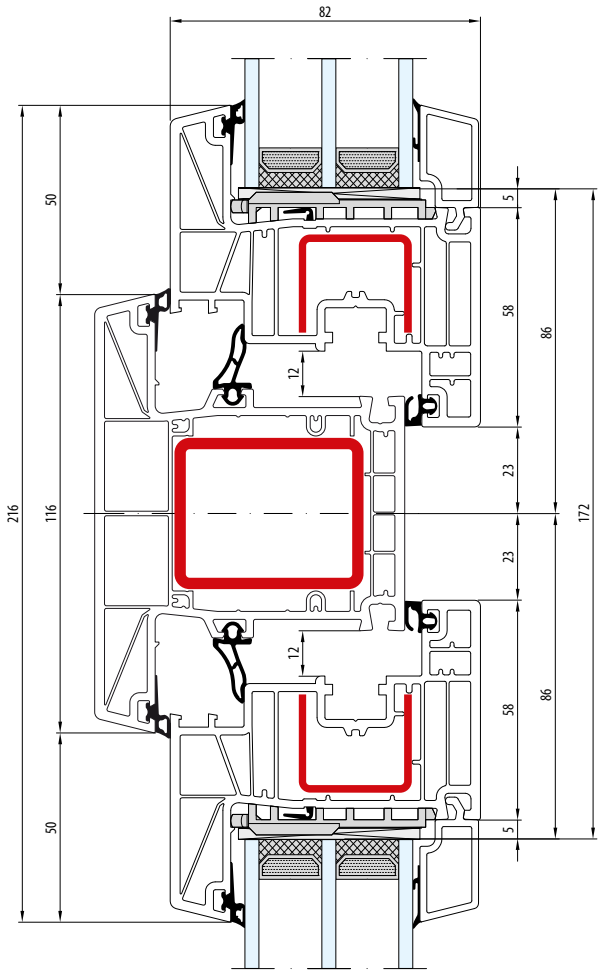

- Słupek stały: 96 mm · Skrzydło: 130 mm
- Meneau fixe: 96 mm · Vantail: 130 mm
- Fix post: 96 mm · Sash: 130 mm
- Festem Pfahl: 96 mm · Flügel: 130 mm
- Montante fisso: 96 mm · Anta: 130 mm
- Vaste stijl: 96 mm · Vleugel: 130 mm



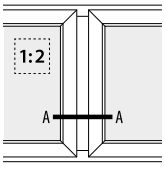


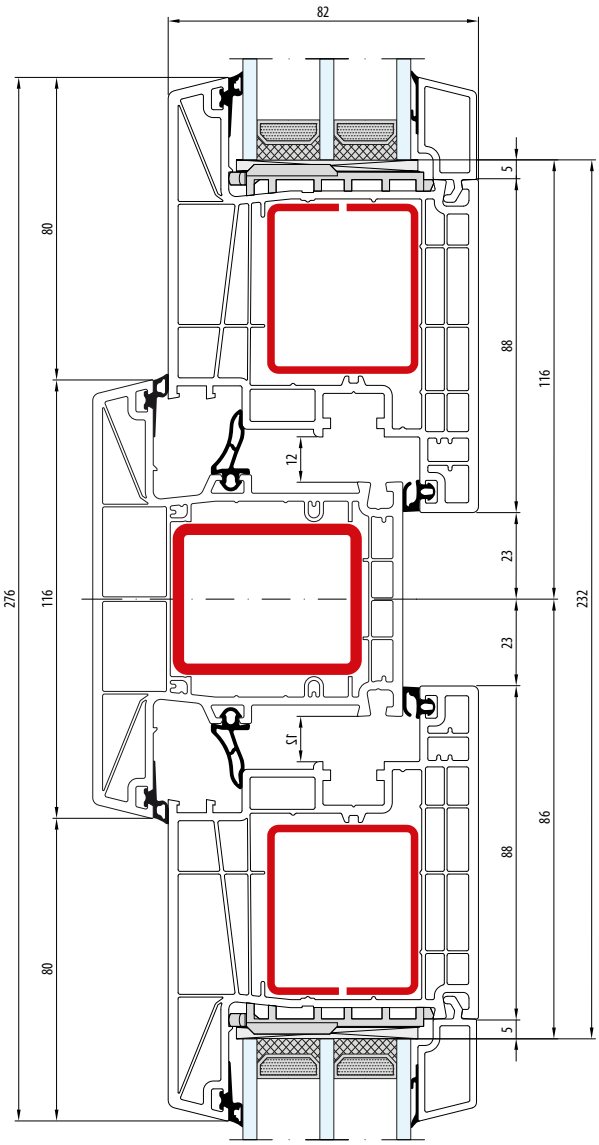

- Słupek stały: 116 mm
- Meneau fixe: 116 mm
- Fix post: 116 mm
- Festem Pfahl: 116 mm
- Montante fisso: 116 mm
- Vaste stijl: 116 mm



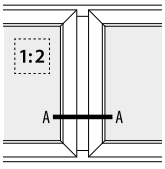


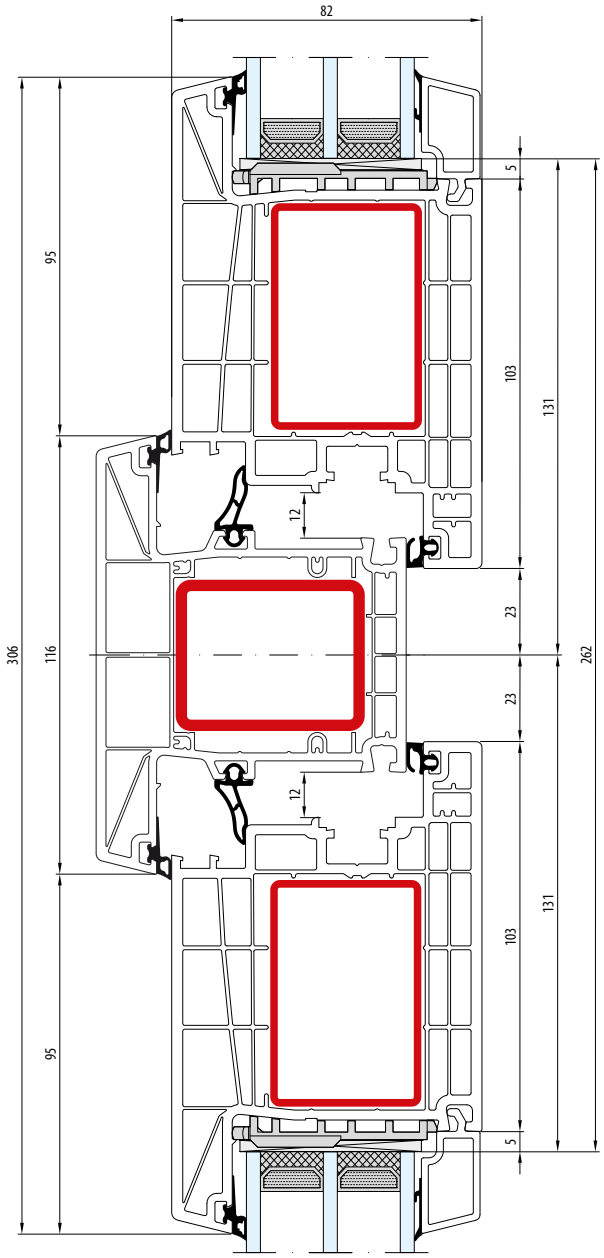

- Słupek stały: 116 mm · Skrzydło: 85 mm
- Meneau fixe: 116 mm · Vantail: 85 mm
- Fix post: 116 mm · Sash: 85 mm
- Festem Pfahl: 116 mm · Flügel: 85 mm
- Montante fisso: 116 mm · Anta: 85 mm
- Vaste stijl: 116 mm · Vleugel: 85 mm



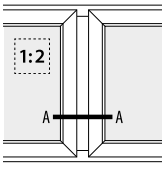


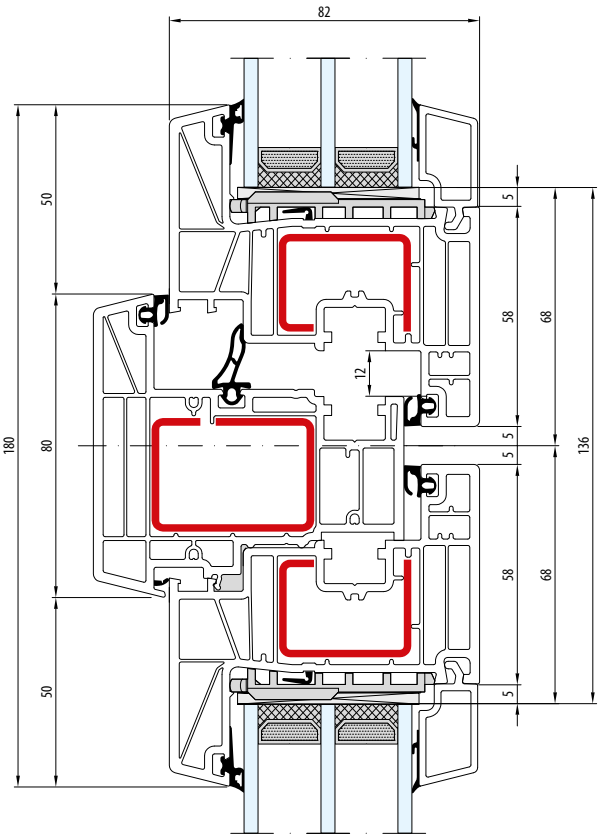

Słupek stały: 116 mm · Skrzydło: 115 mm
Meneau fixe: 116 mm · Vantail: 115 mm
Fix post: 116 mm · Sash: 115 mm
Festem Pfahl: 116 mm · Flügel: 115 mm
Montante fisso: 116 mm · Anta: 115 mm
Vaste stijl: 116 mm · Vleugel: 115 mm



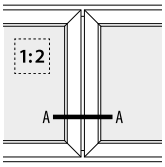


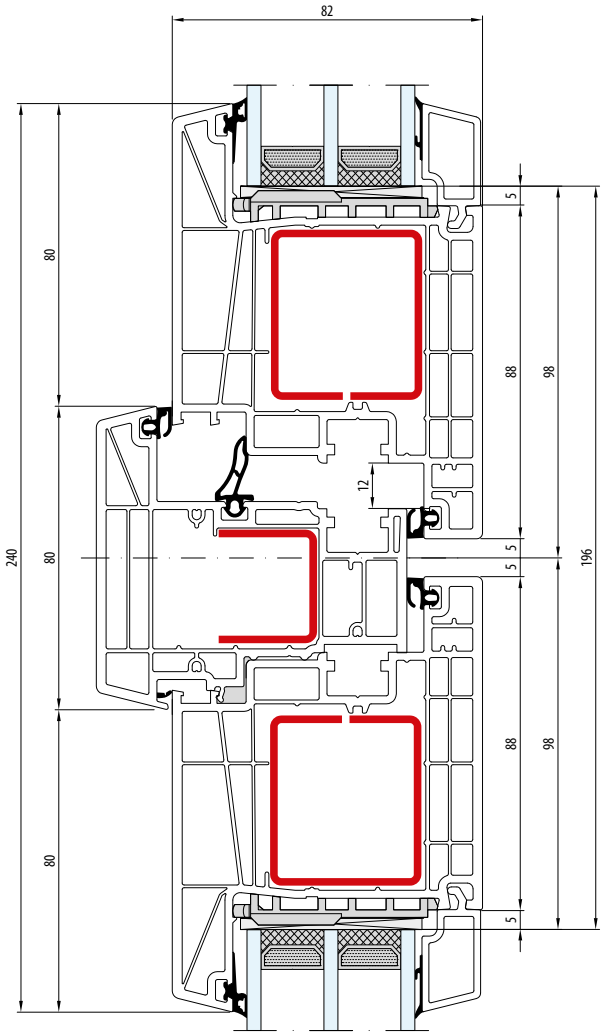

- Słupek stały: 116 mm · Skrzydło: 130 mm
- Meneau fixe: 116 mm · Vantail: 130 mm
- Fix post: 116 mm · Sash: 85 mm
- Festem Pfahl: 116 mm · Flügel: 130 mm
- Montante fisso: 116 mm · Anta: 130 mm
- Vaste stijl: 116 mm · Vleugel: 130 mm



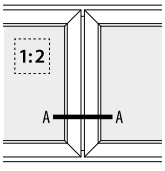


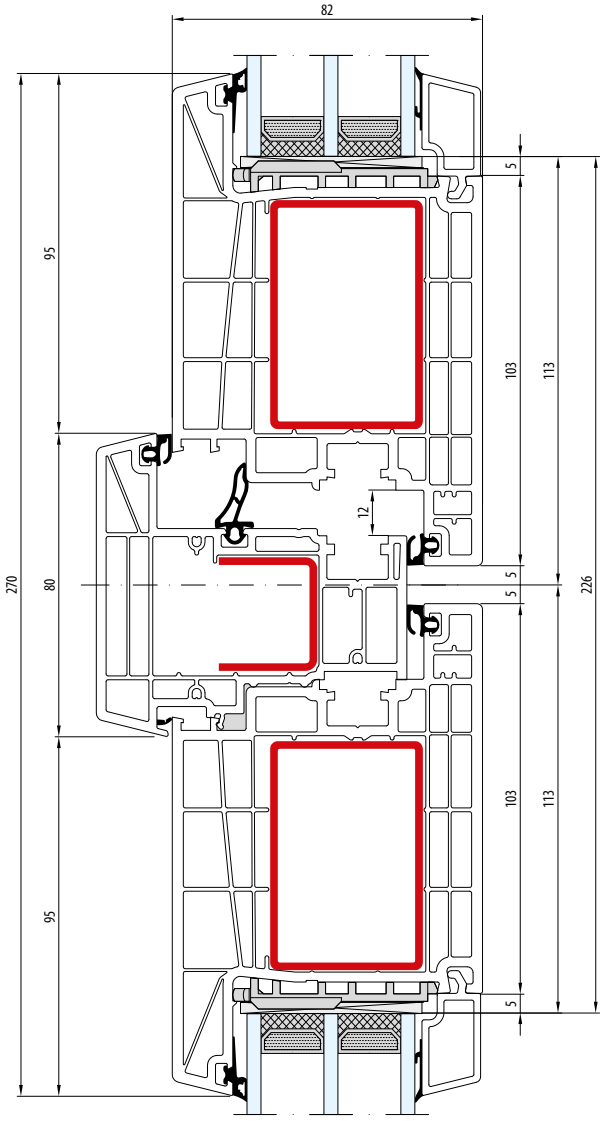

- Słupek ruchomy: 80 mm · Skrzydło: 85 mm
- Meneau mobile: 80 mm · Vantail: 85 mm
- Movable post: 80 mm · Sash: 85 mm
- Stulp: 80 mm · Flügel: 85 mm
- Montante mobile: 80 mm · Anta: 85 mm
- Verplaatsbare stijl: 80 mm · Vleugel: 85 mm



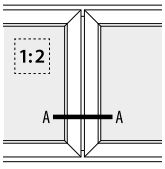


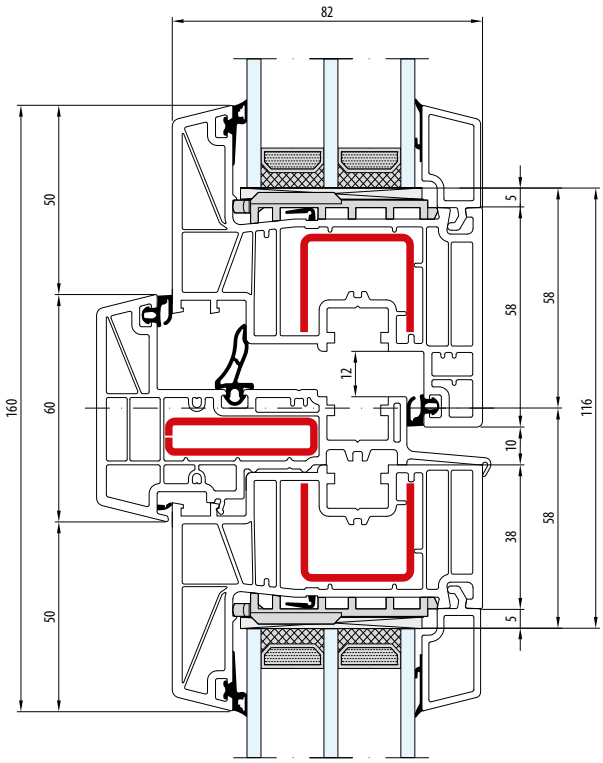

- Słupek ruchomy: 80 mm · Skrzydło: 115 mm
- Meneau mobile: 80 mm · Vantail: 115 mm
- Movable post: 80 mm · Sash: 115 mm
- Stulp: 80 mm · Flügel: 115 mm
- Montante mobile: 80 mm · Anta: 115 mm
- Verplaatsbare stijl: 80 mm · Vleugel: 115 mm



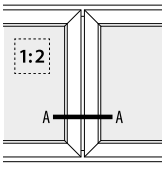


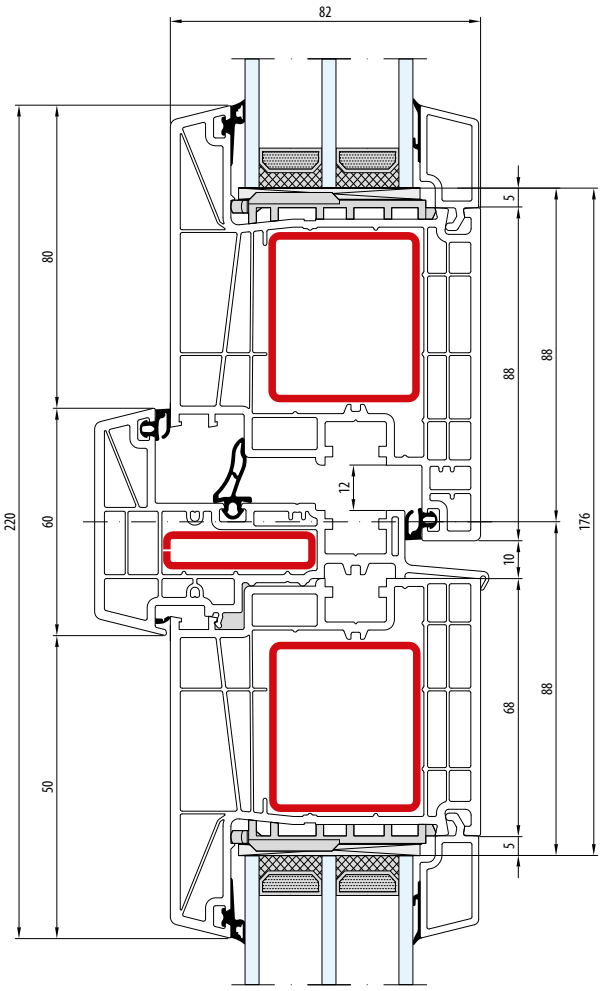

- Słupek ruchomy: 80 mm · Skrzydło: 130 mm
- Meneau mobile: 80 mm · Vantail: 130 mm
- Movable post: 80 mm · Sash: 130 mm
- Stulp: 80 mm · Flügel: 130 mm
- Montante mobile: 80 mm · Anta: 130 mm
- Verplaatsbare stijl: 80 mm · Vleugel: 130 mm



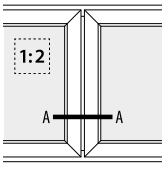


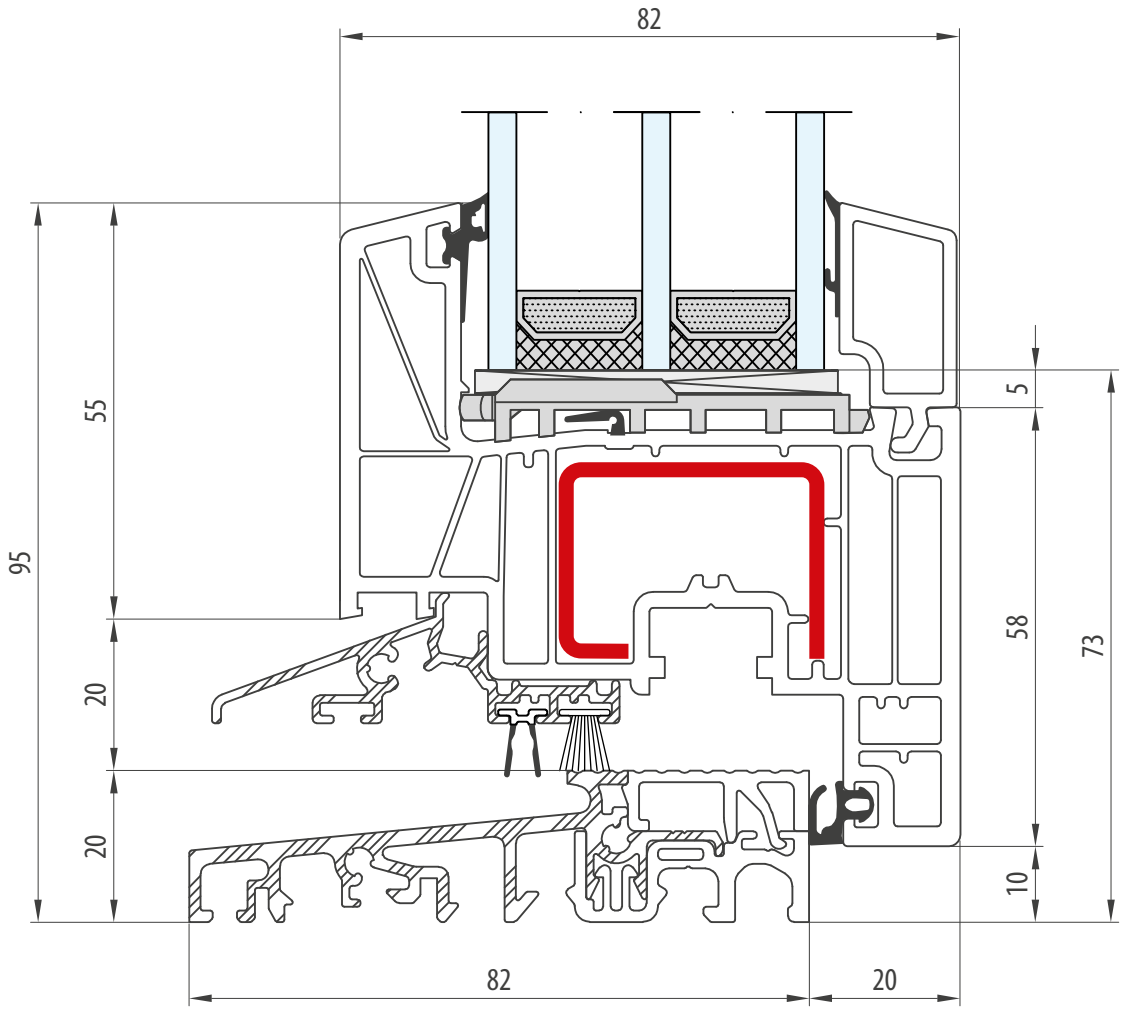

- Słupek ruchomy: 60 mm · Skrzydło: 85 mm / 65 mm
- Meneau mobile: 60 mm · Vantail: 85 mm / 65 mm
- Movable post: 60 mm · Sash: 85 mm / 65 mm
- Stulp: 60 mm · Flügel: 85 mm / 65 mm
- Montante mobile: 60 mm · Anta: 85 mm / 65 mm
- Verplaatsbare stijl: 60 mm · Vleugel: 85 mm / 65 mm



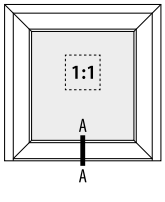


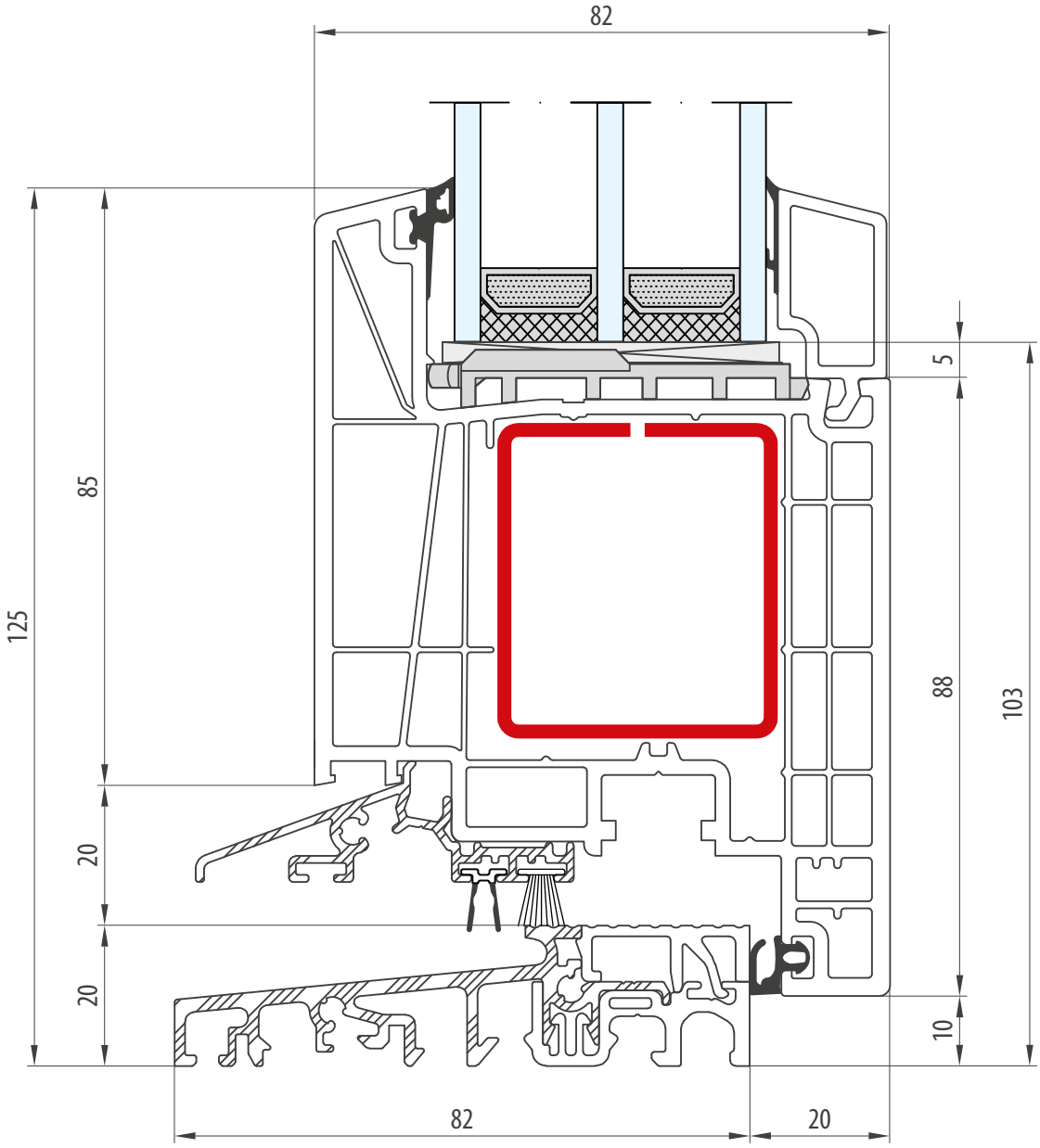

- Słupek ruchomy: 60 mm · Skrzydło: 115 mm / 95 mm
- Meneau mobile: 60 mm · Vantail: 115 mm / 95 mm
- Movable post: 60 mm · Sash: 115 mm / 95 mm
- Stulp: 60 mm · Flügel: 115 mm / 95 mm
- Montante mobile: 60 mm · Anta: 115 mm / 95 mm
- Verplaatsbare stijl: 60 mm · Vleugel: 115 mm / 95 mm

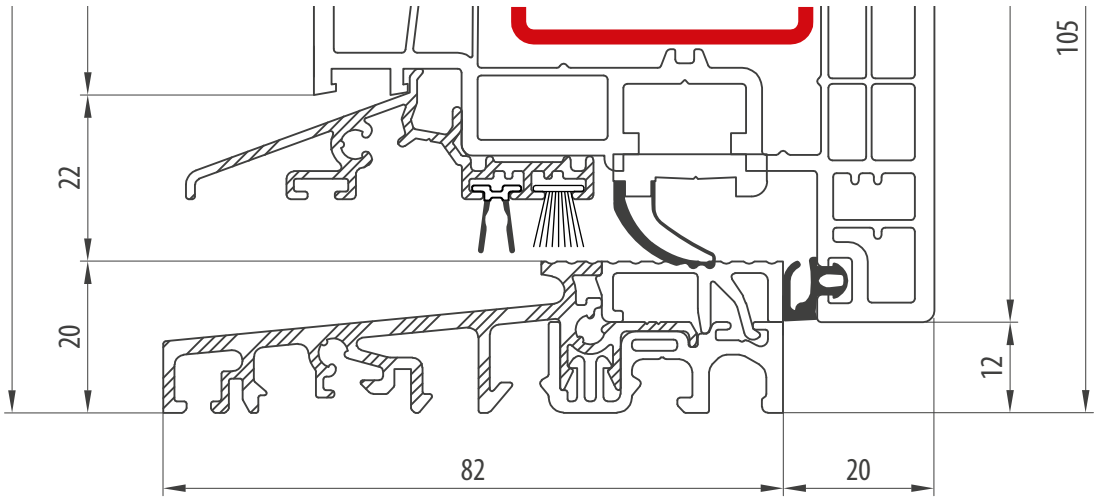




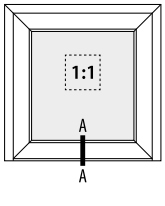

Próg: 20 mm · Skrzydło: 85 mm
Seuil: 20 mm · Vantail: 85 mm
Threshold: 20 mm · Sash: 85 mm
Schwelle: 20 mm · Flügel: 85 mm
Soglia: 20 mm · Anta: 85 mm
Dorpel: 20 mm · Vleugel: 85 mm

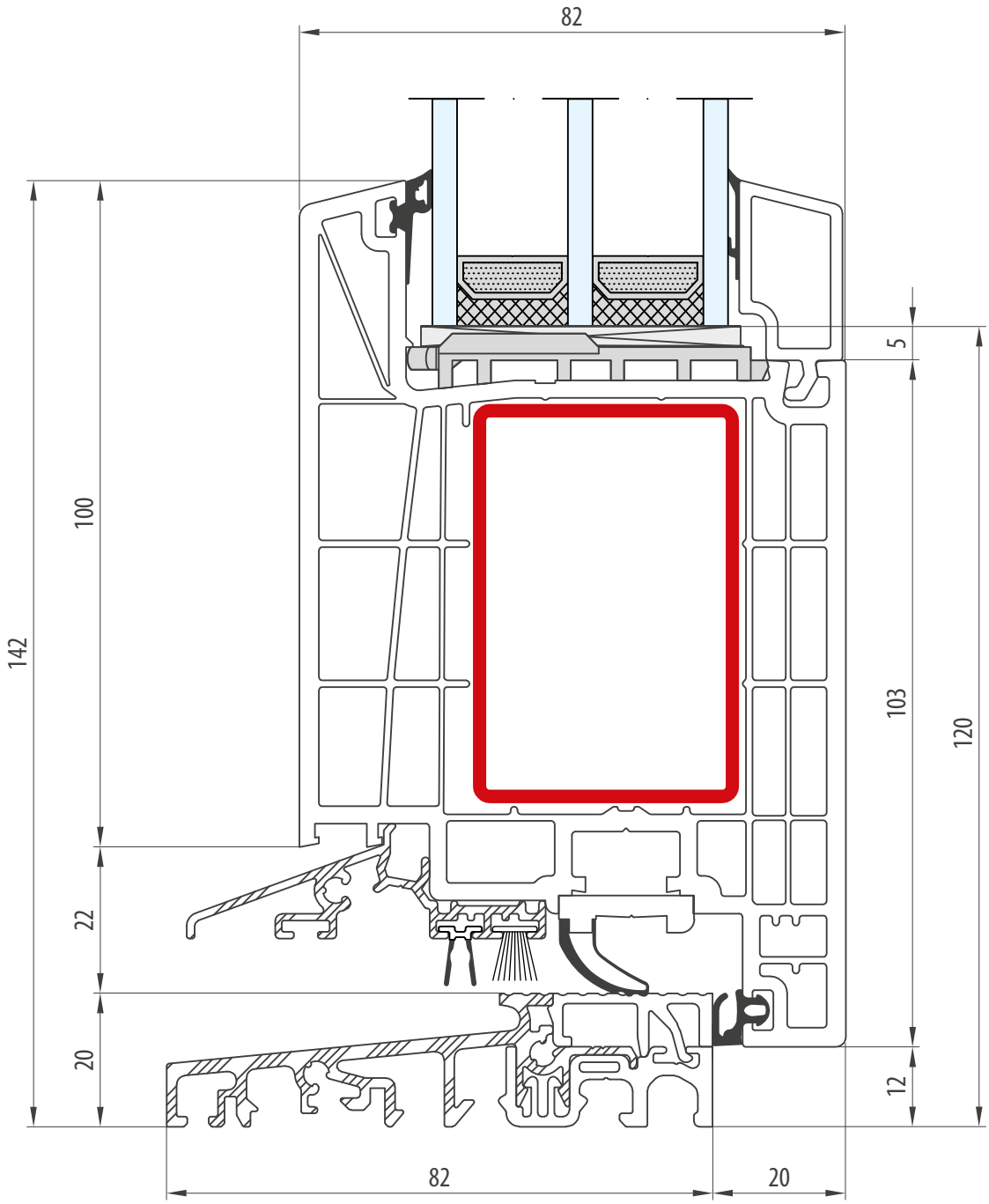




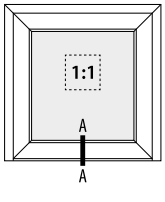



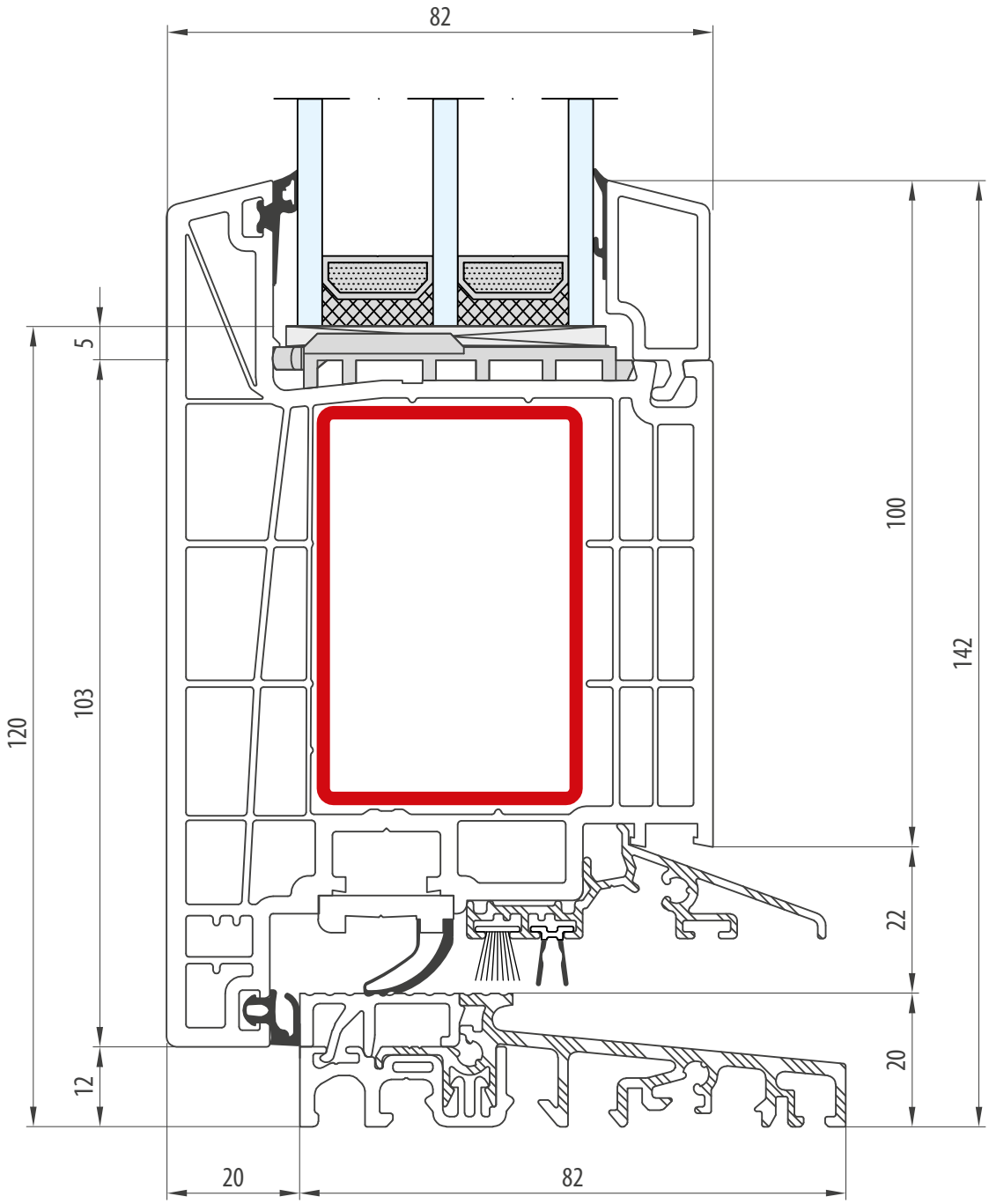

Próg: 20 mm · Skrzydło: 115 mm
Seuil: 20 mm · Vantail: 115 mm
Threshold: 20 mm · Sash: 115 mm
Schwelle: 20 mm · Flügel: 115 mm
Soglia: 20 mm · Anta: 115 mm
Dorpel: 20 mm · Vleugel: 115 mm



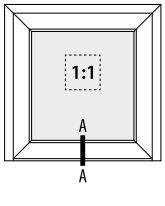



- Próg: 20 mm · Skrzydło: 130 mm
- Seuil: 20 mm · Vantail: 130 mm
- Threshold: 20 mm · Sash: 130 mm
- Schwelle: 20 mm · Flügel: 130 mm
- Soglia: 20 mm · Anta: 130 mm
- Dorpel: 20 mm · Vleugel: 130 mm



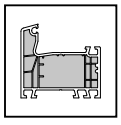



- Próg: 20 mm · Skrzydło: 130 mm
- Seuil: 20 mm · Vantail: 130 mm
- Threshold: 20 mm · Sash: 130 mm
- Schwelle: 20 mm · Flügel: 130 mm
- Soglia: 20 mm · Anta: 130 mm
- Dorpel: 20 mm · Vleugel: 130 mm

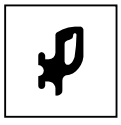


# BLUEVOLUTION 92

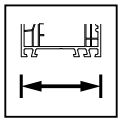




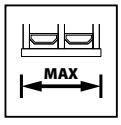
6



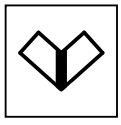
3



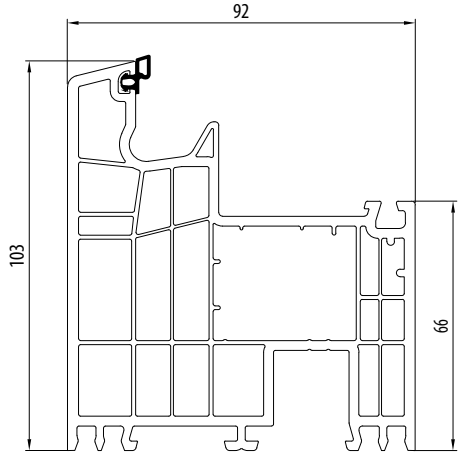
92



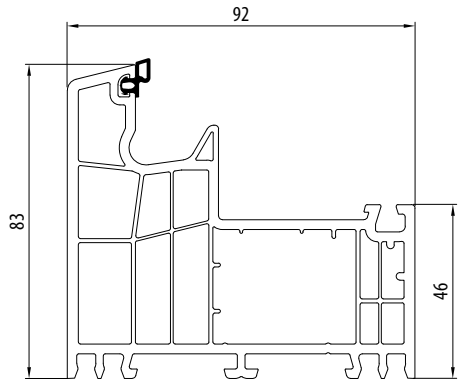

61



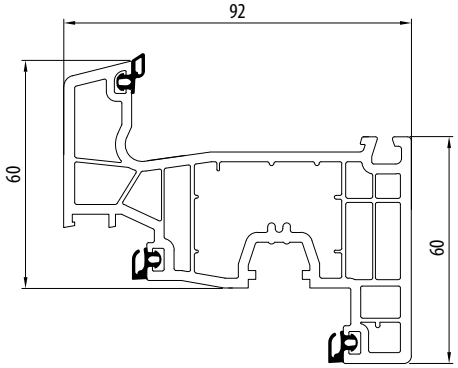




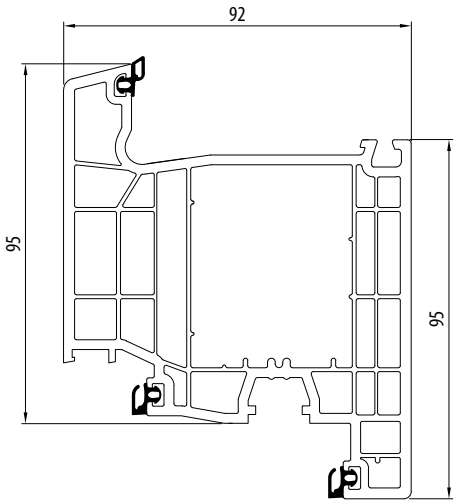

CL A* CLASS 170 430



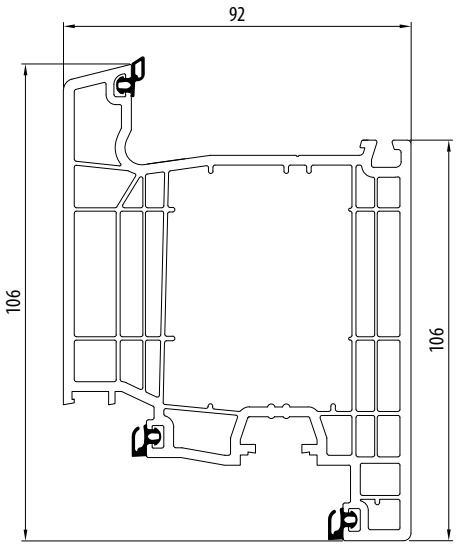

CL A* CLASS 170 820



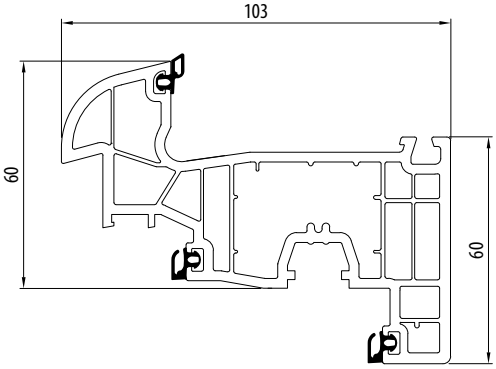

CL A* CLASS 171 020



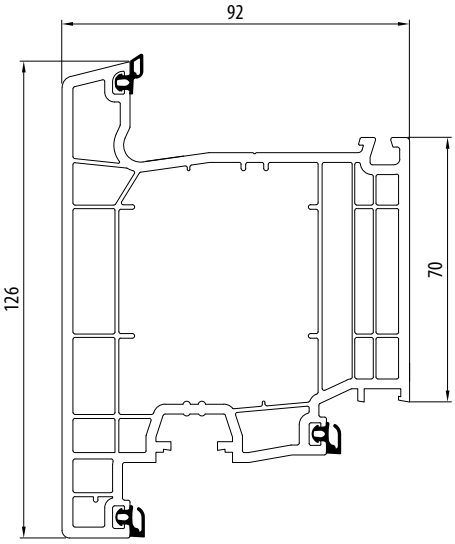

CL A* CLASS 171 030



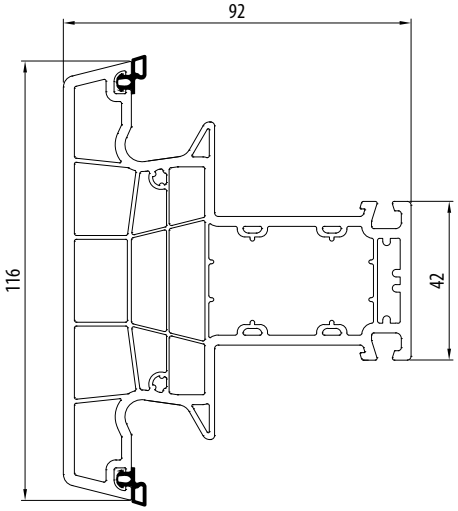

CL A* CLASS 171 040



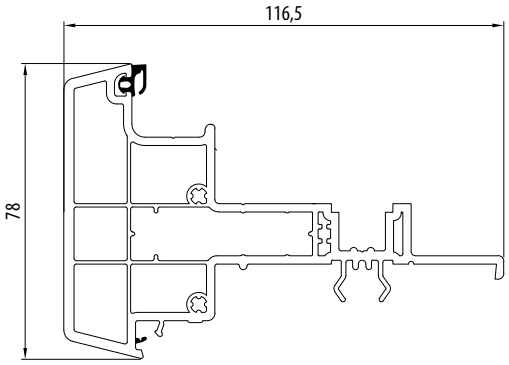

RL A* CLASS 171 226



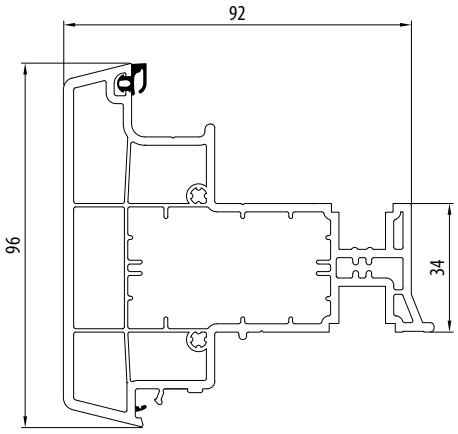

CL A* CLASS 371 040



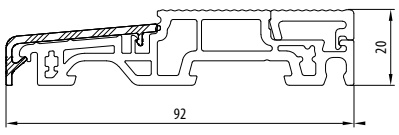

CL A* CLASS 172 420




CL A* CLASS 176 020




CL A* CLASS 176 030

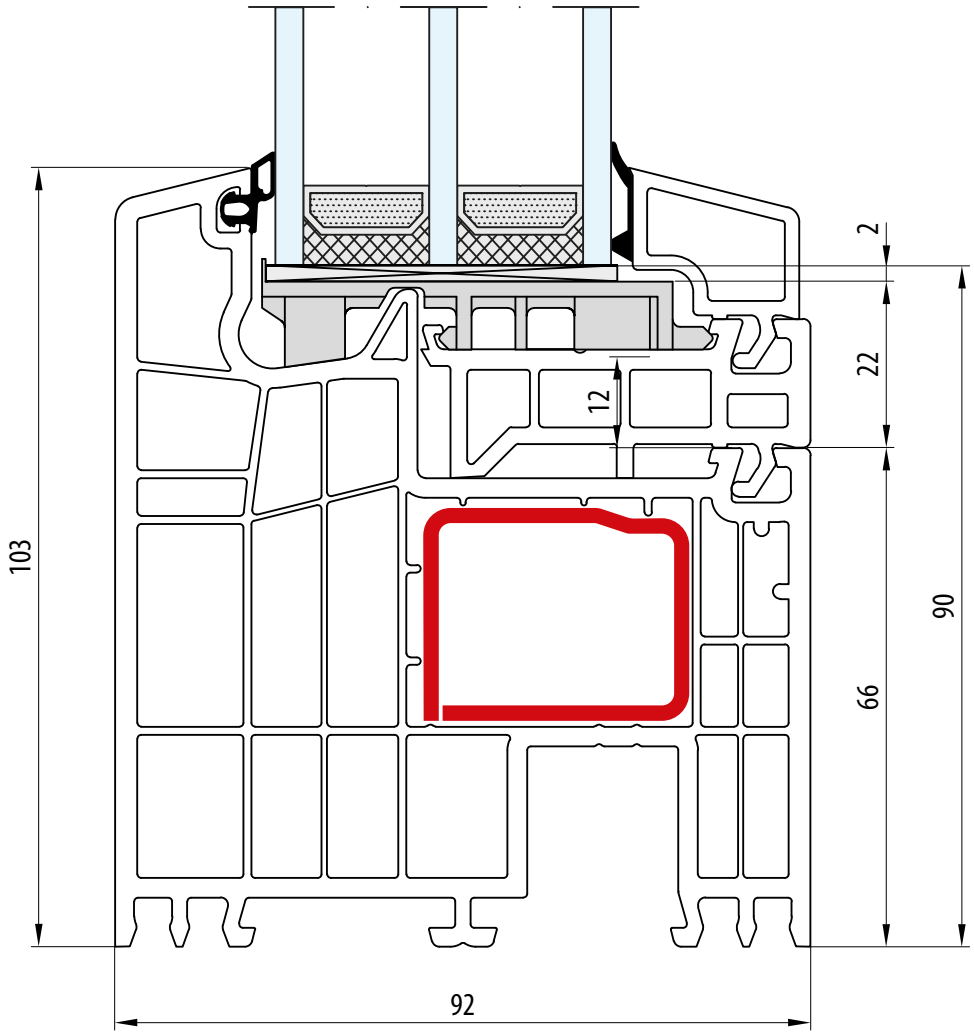



alu - 20 mm

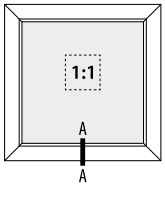
1:2

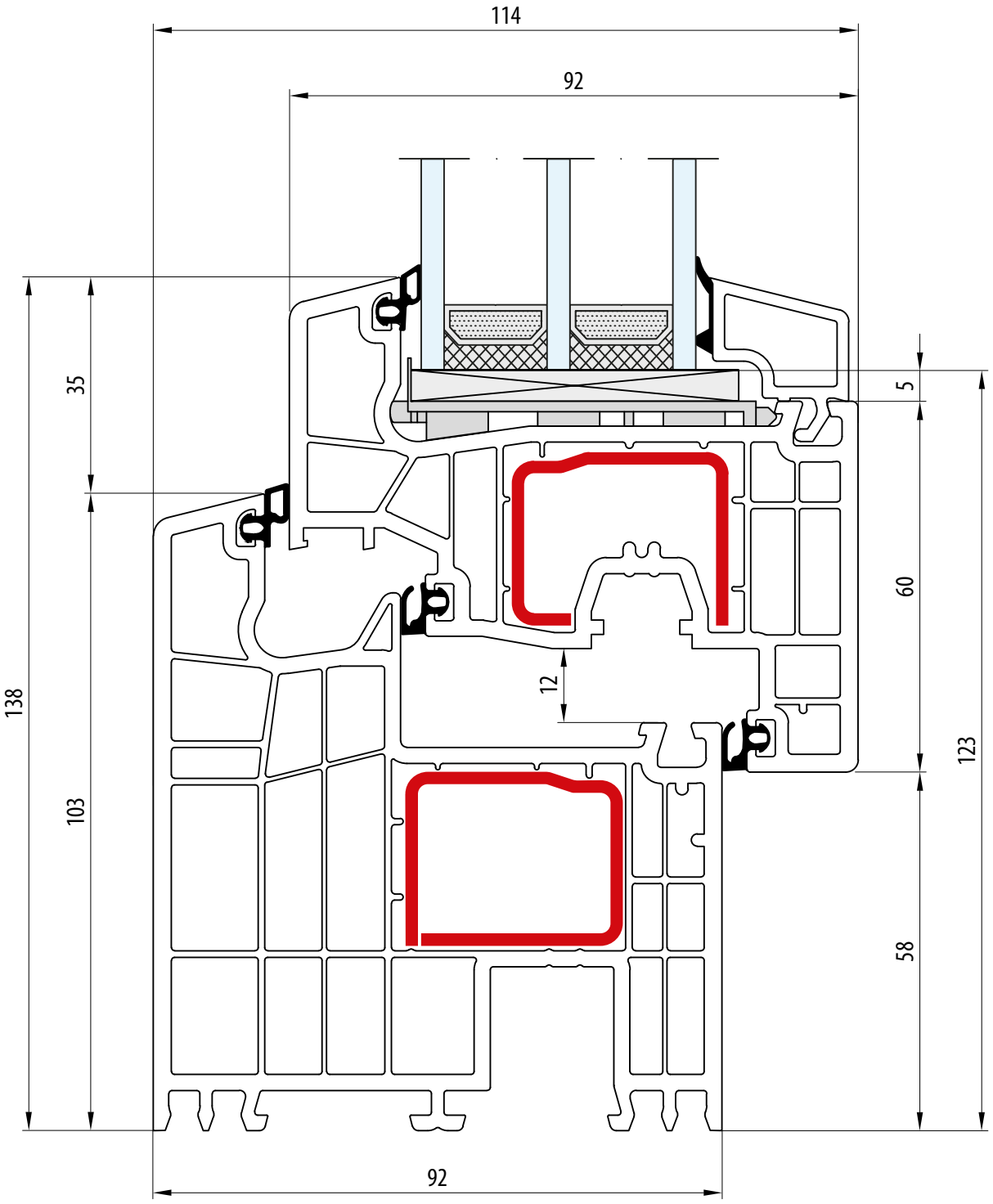
CL

SL CL RL H

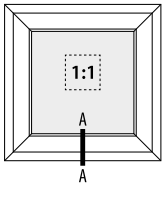



- Rama: 103 mm
- Dormant: 103 mm
- Frame: 103 mm
- Rahmen: 103 mm
- Telaio: 103 mm
- Kozijn: 103 mm



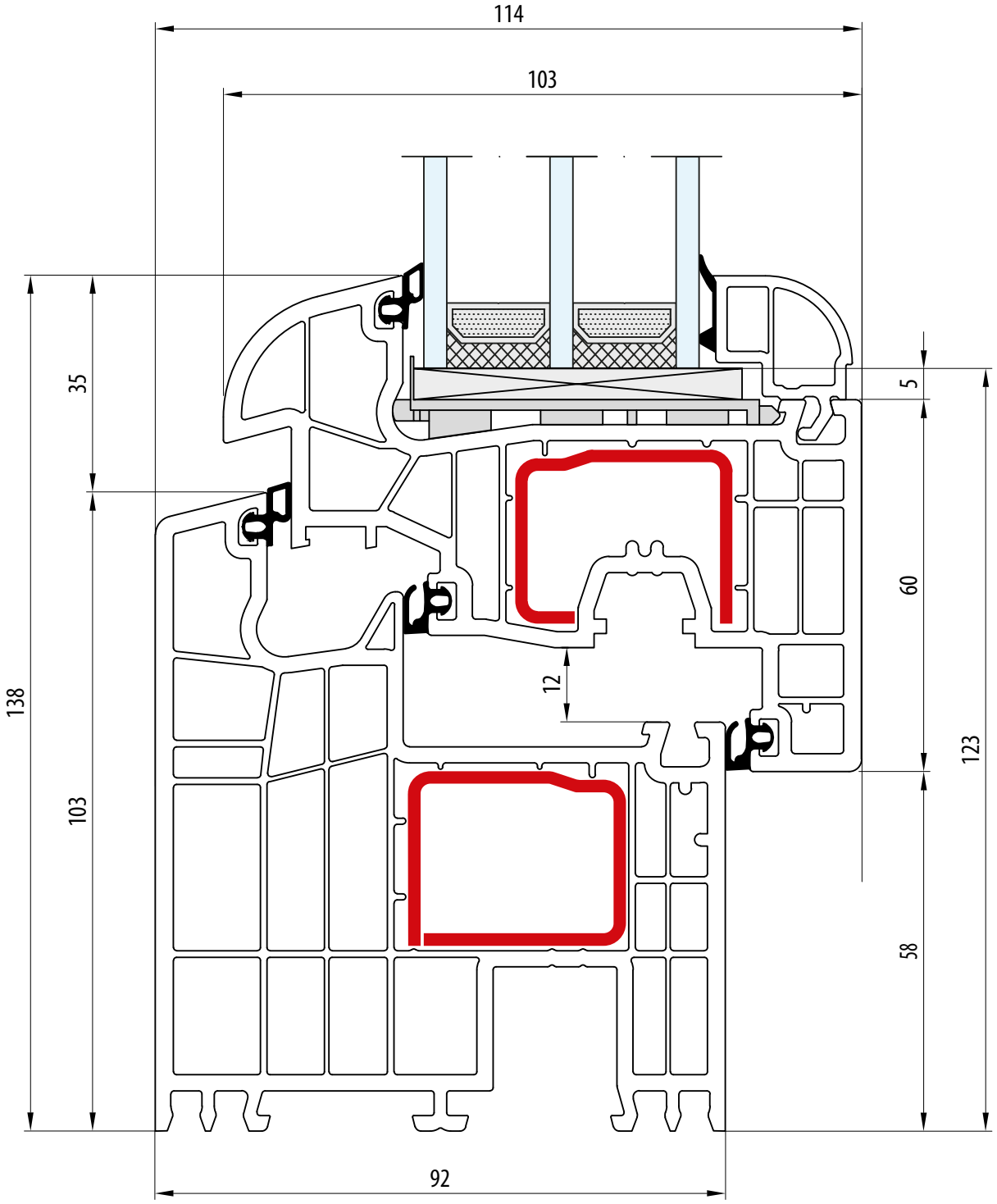



Rama: 103 mm · Skrzydło: 80 mm
Dormant: 103 mm · Vantail: 80 mm
Frame: 103 mm · Sash: 80 mm
Rahmen: 103 mm · Flügel: 80 mm
Telaio: 103 mm · Anta: 80 mm
Kozijn: 103 mm · Vleugel: 80 mm

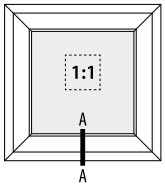


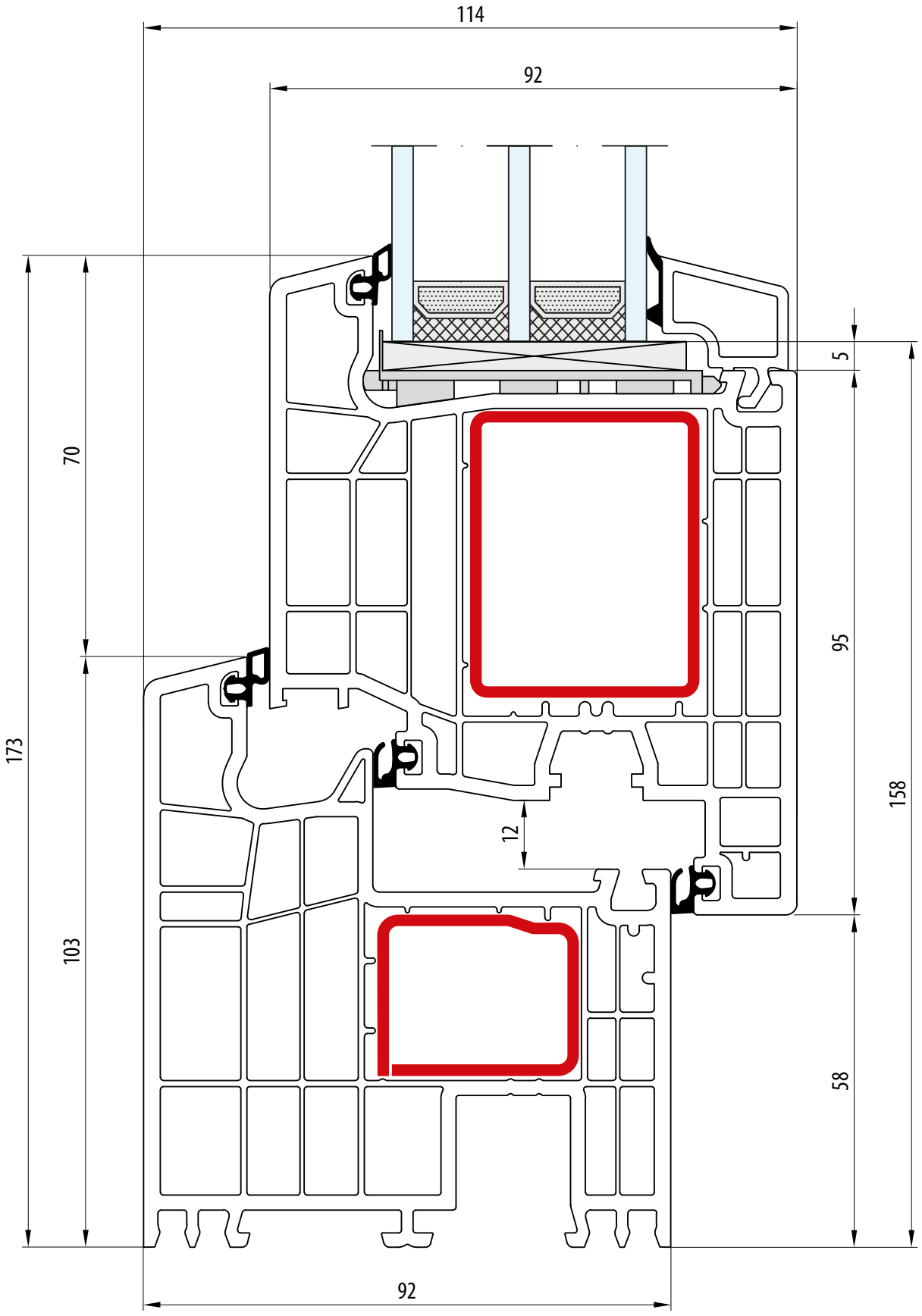
RL

SL CL RL H

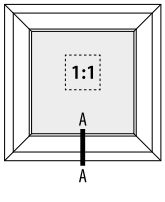


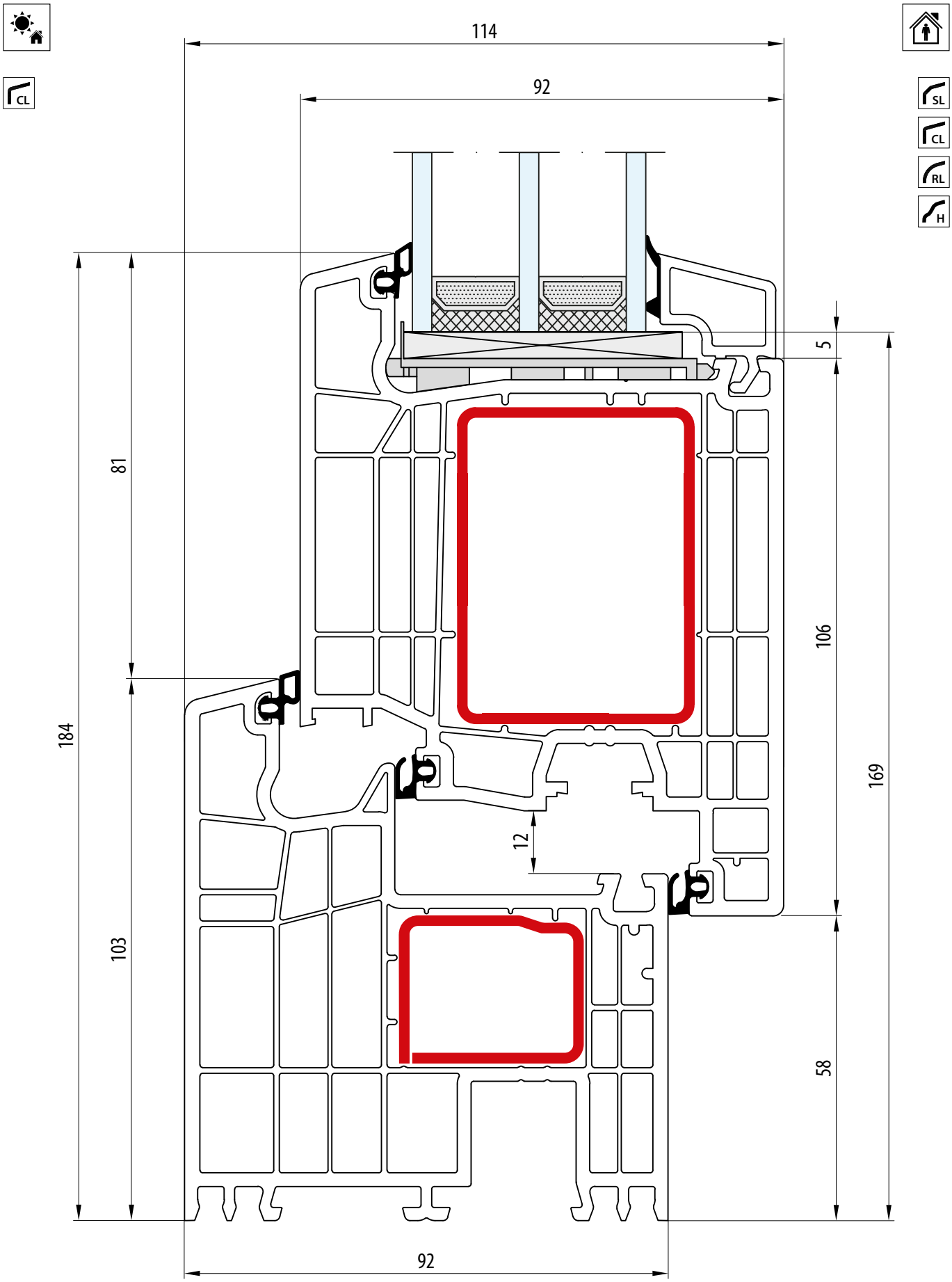

Rama: 103 mm · Skrzydło: 80 mm
Dormant: 103 mm · Vantail: 80 mm
Frame: 103 mm · Sash: 80 mm
Rahmen: 103 mm · Flügel: 80 mm
Telaio: 103 mm · Anta: 80 mm
Kozijn: 103 mm · Vleugel: 80 mm



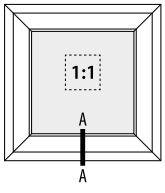


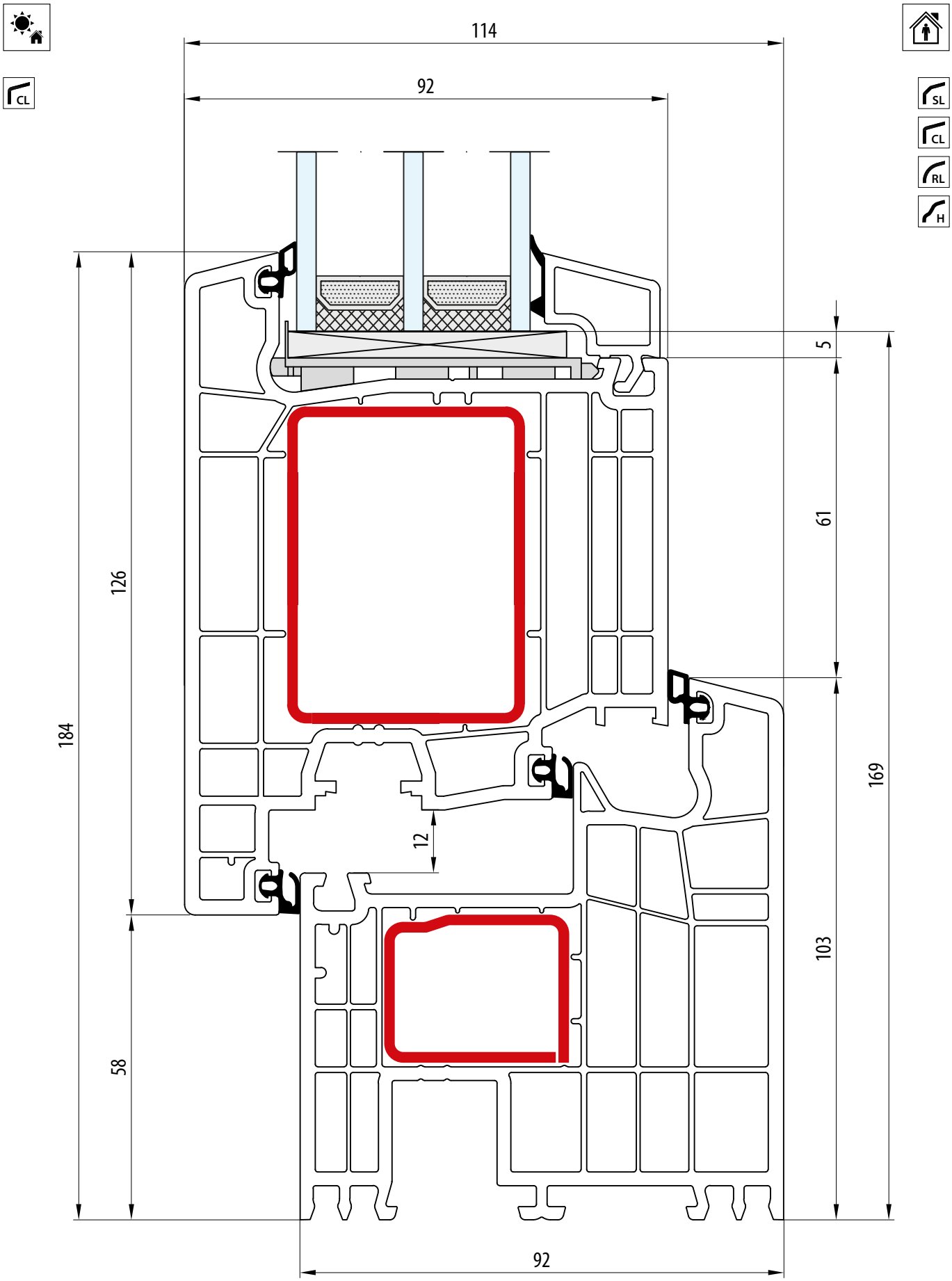

- Rama: 103 mm · Skrzydło: 115 mm
- Dormant: 103 mm · Vantail: 115 mm
- Frame: 103 mm · Sash: 115 mm
- Rahmen: 103 mm · Flügel: 115 mm
- Telaio: 103 mm · Anta: 115 mm
- Kozijn: 103 mm · Vleugel: 115 mm



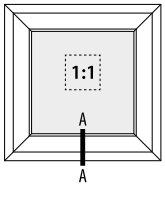



Rama: 103 mm · Skrzydło: 126 mm
Dormant: 103 mm · Vantail: 126 mm
Frame: 103 mm · Sash: 126 mm
Rahmen: 103 mm · Flügel: 126 mm
Telaio: 103 mm · Anta: 126 mm
Kozijn: 103 mm · Vleugel: 126 mm



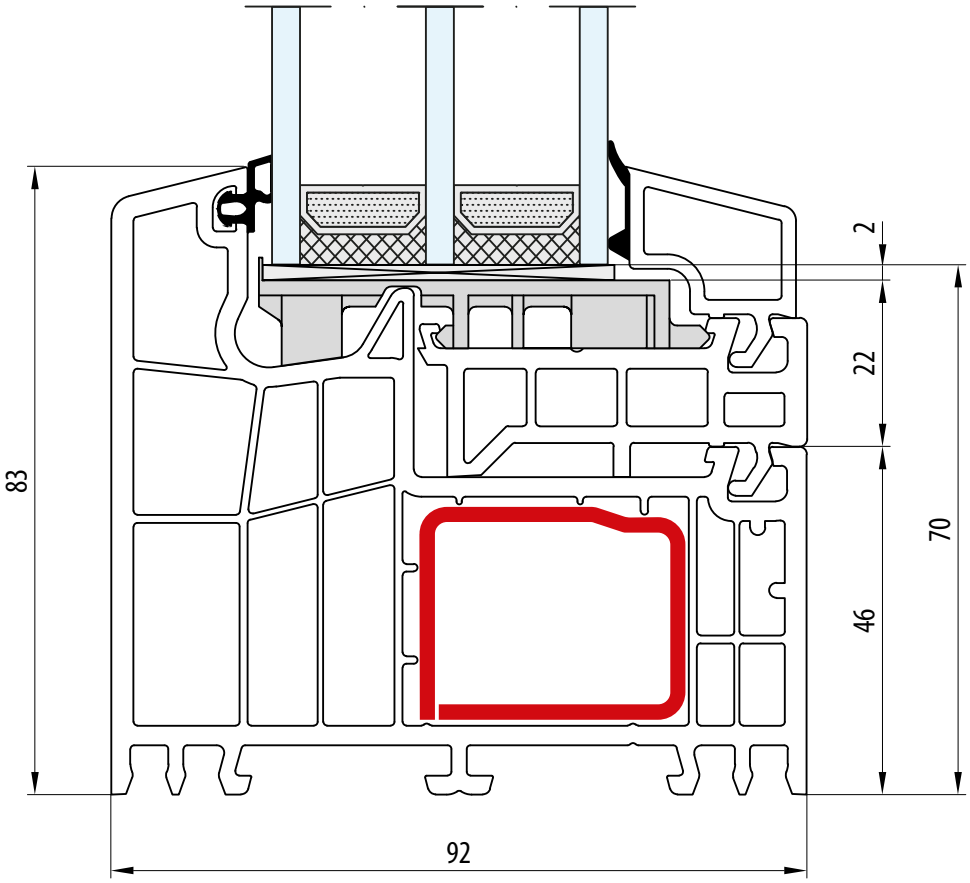



- Rama: 103 mm · Skrzydło: 126 mm
- Dormant: 103 mm · Vantail: 126 mm
- Frame: 103 mm · Sash: 126 mm
- Rahmen: 103 mm · Flügel: 126 mm
- Telaio: 103 mm · Anta: 126 mm
- Kozijn: 103 mm · Vleugel: 126 mm

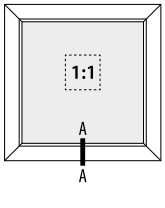


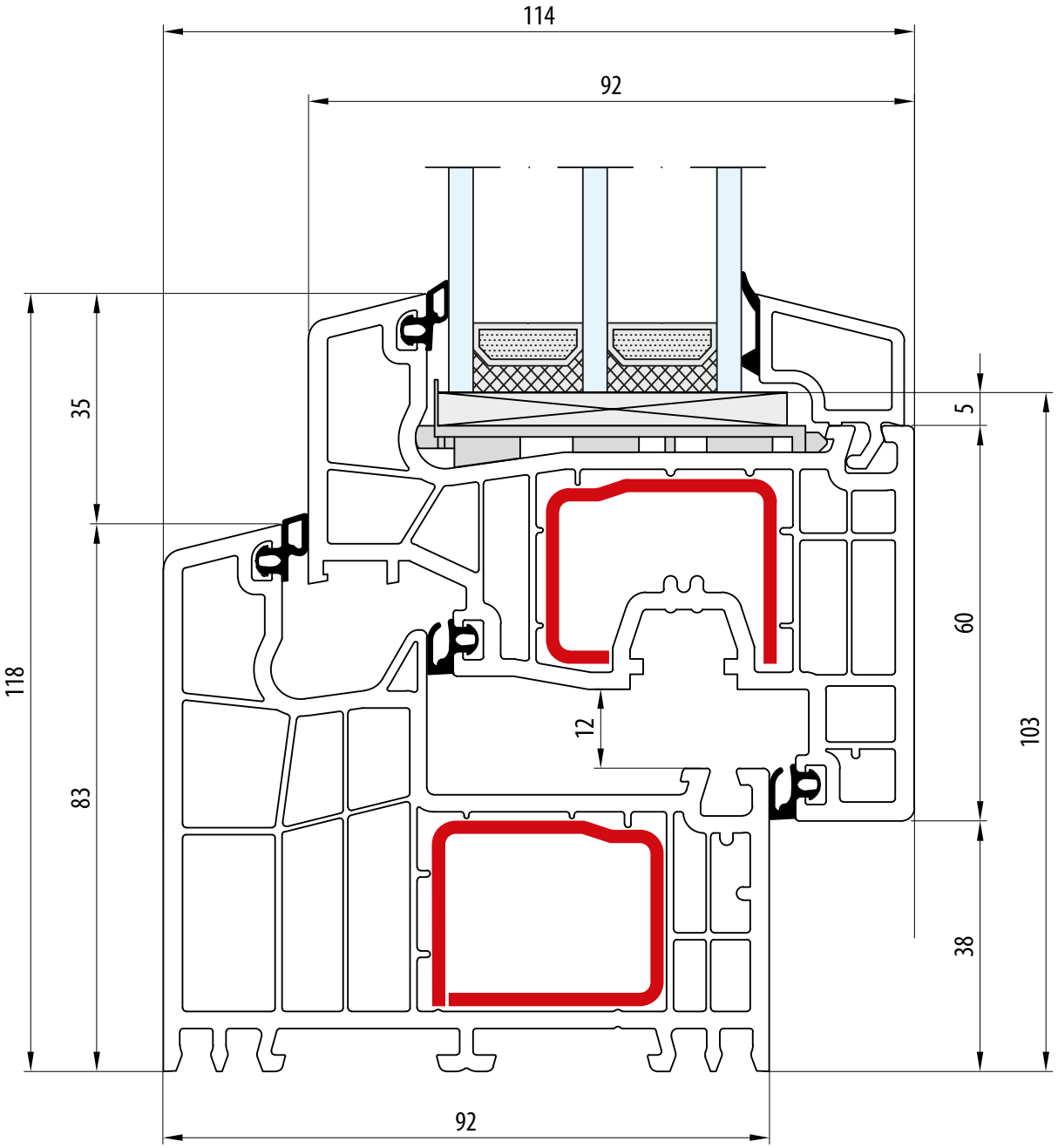
CL

SL
CL
RL
H

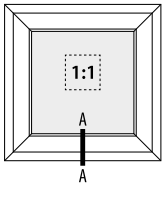



- Rama: 83 mm
- Dormant: 83 mm
- Frame: 83 mm
- Rahmen: 83 mm
- Telaio: 83 mm
- Kozijn: 83 mm



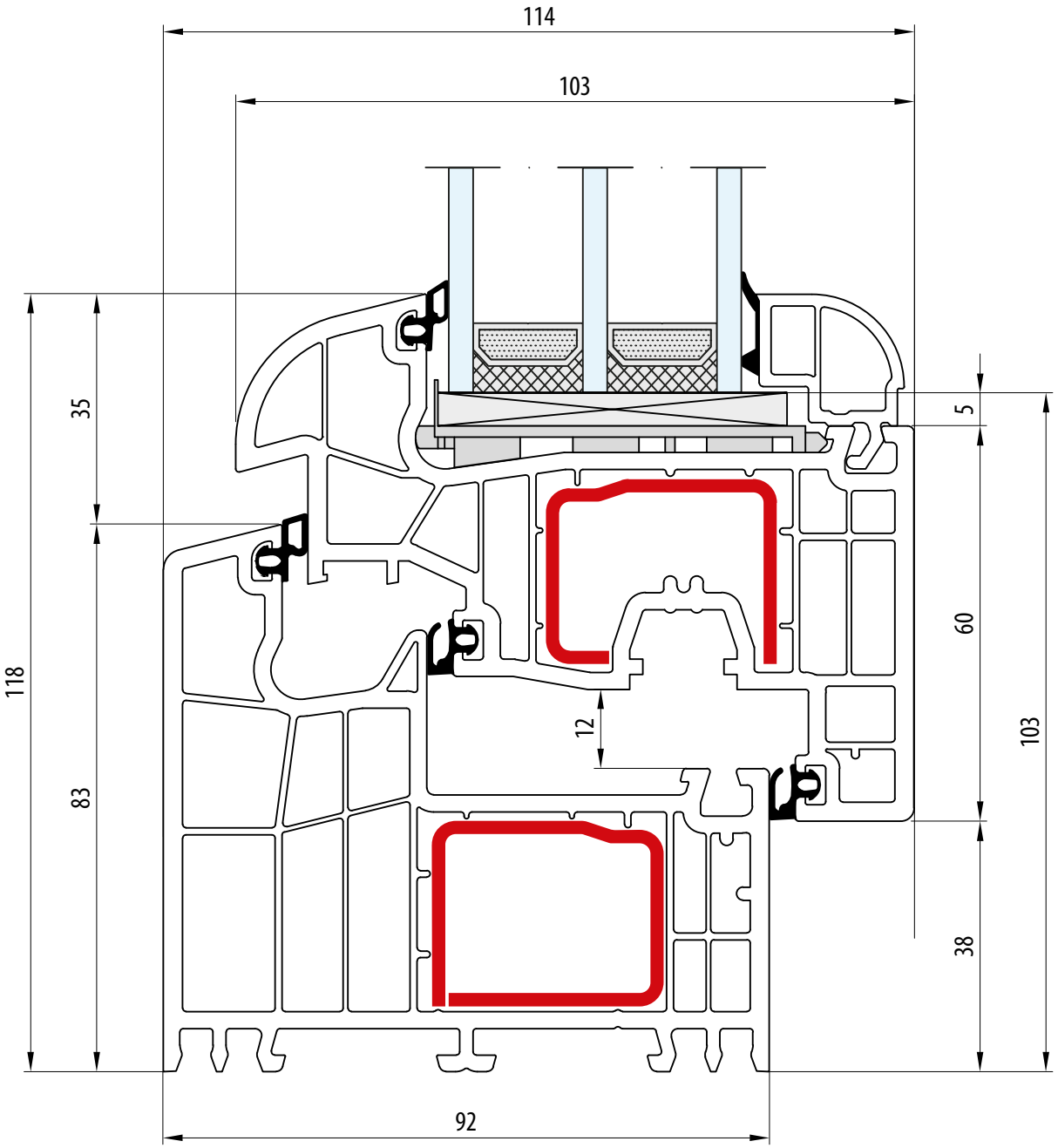



Rama: 83 mm · Skrzydło: 80 mm
Dormant: 83 mm · Vantail: 80 mm
Frame: 83 mm · Sash: 80 mm
Rahmen: 83 mm · Flügel: 80 mm
Telaio: 83 mm · Anta: 80 mm
Kozijn: 83 mm · Vleugel: 80 mm

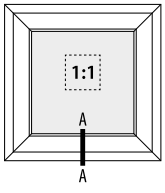


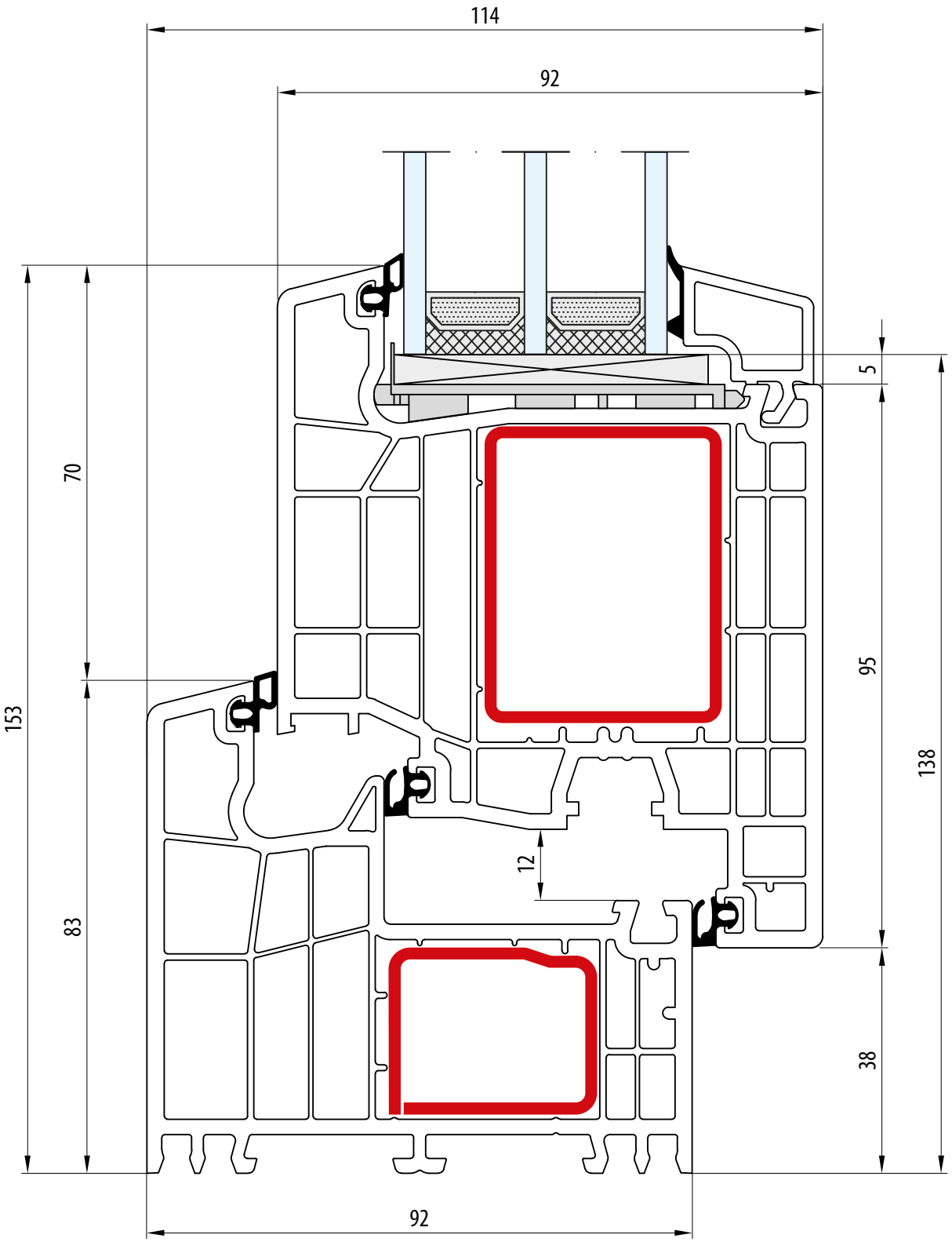
RL

SL CL RL H

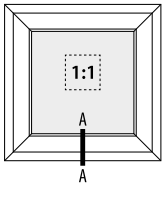


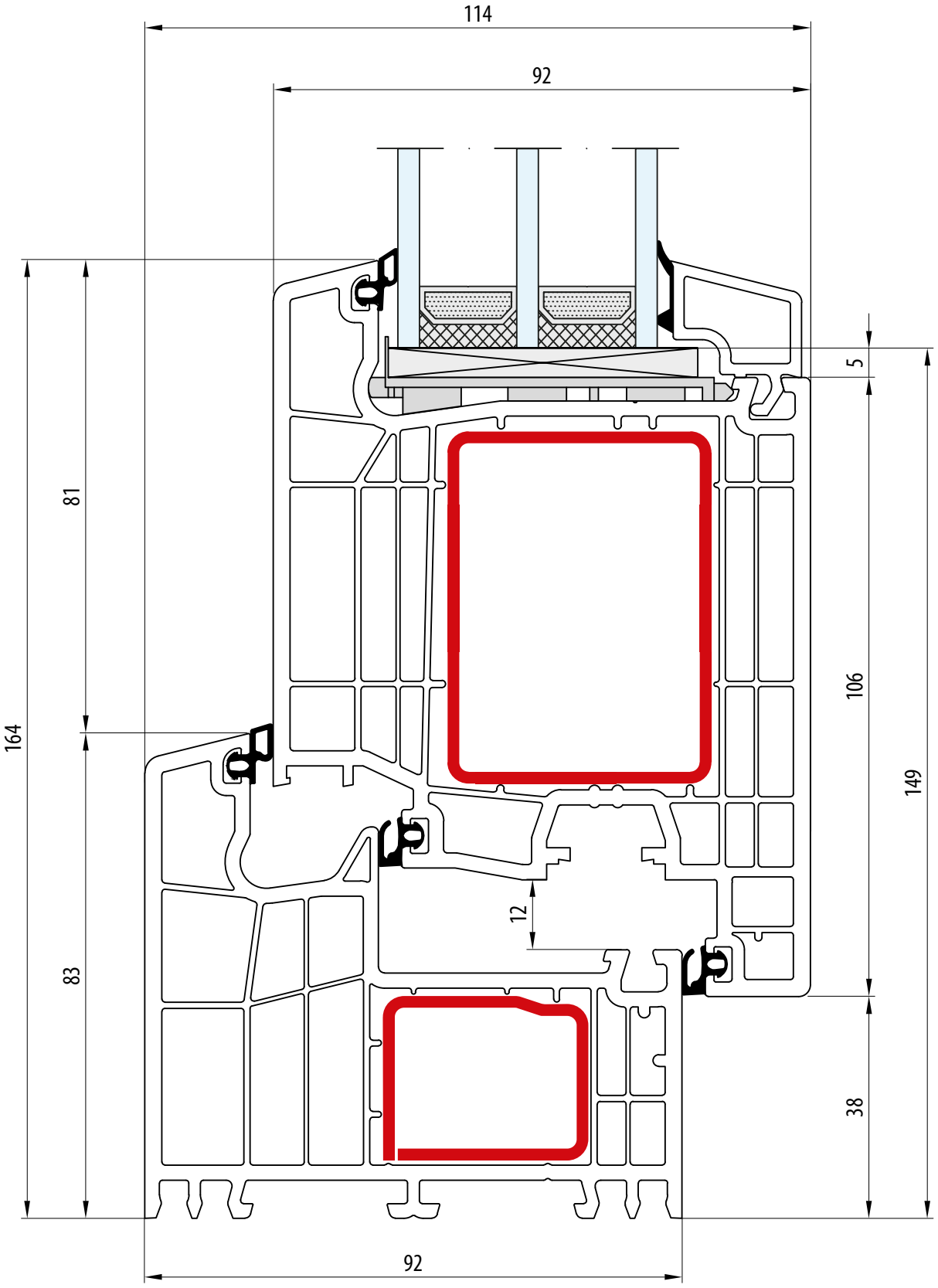

Rama: 83 mm · Skrzydło: 80 mm
Dormant: 83 mm · Vantail: 80 mm
Frame: 83 mm · Sash: 80 mm
Rahmen: 83 mm · Flügel: 80 mm
Telaio: 83 mm · Anta: 80 mm
Kozijn: 83 mm · Vleugel: 80 mm



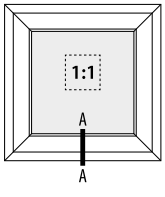


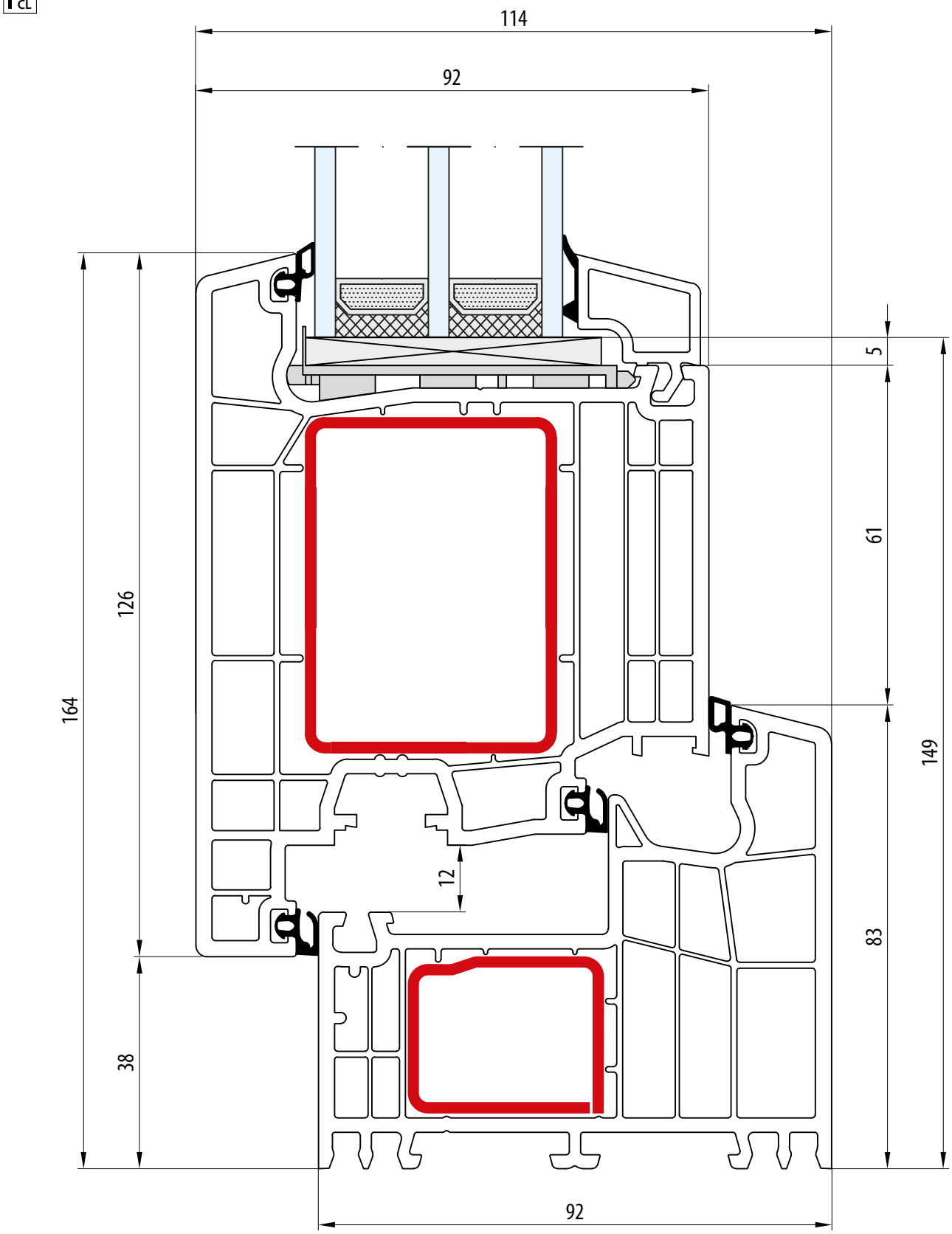

- Rama: 83 mm · Skrzydło: 115 mm
- Dormant: 83 mm · Vantail: 115 mm
- Frame: 83 mm · Sash: 115 mm
- Rahmen: 83 mm · Flügel: 115 mm
- Telaio: 83 mm · Anta: 115 mm
- Kozijn: 83 mm · Vleugel: 115 mm



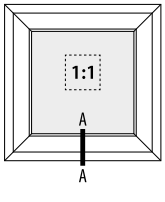



- Rama: 83 mm · Skrzydło: 126 mm
- Dormant: 83 mm · Vantail: 126 mm
- Frame: 83 mm · Sash: 126 mm
- Rahmen: 83 mm · Flügel: 126 mm
- Telaio: 83 mm · Anta: 126 mm
- Kozijn: 83 mm · Vleugel: 126 mm



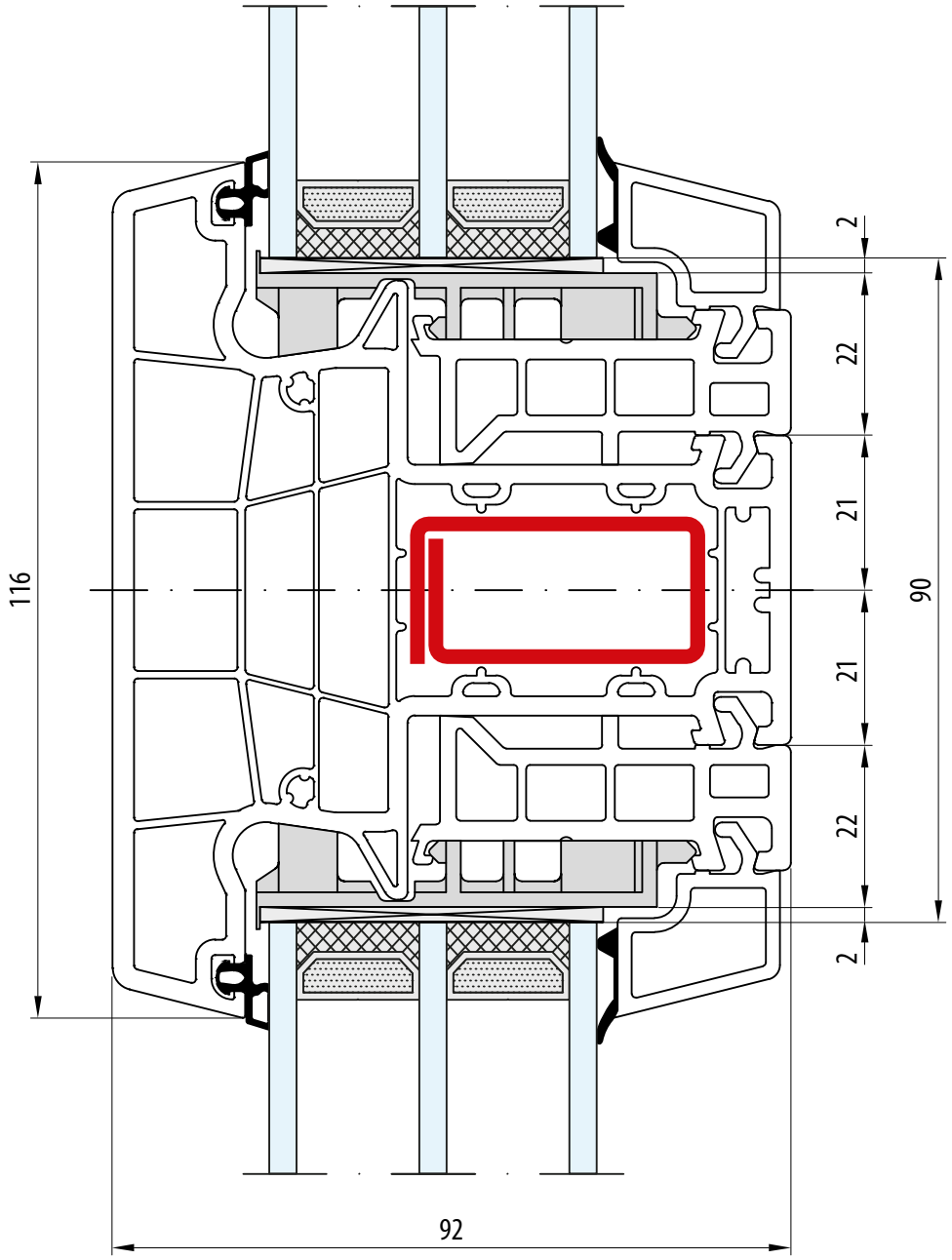



- Rama: 83 mm · Skrzydło: 126 mm
- Dormant: 83 mm · Vantail: 126 mm
- Frame: 83 mm · Sash: 126 mm
- Rahmen: 83 mm · Flügel: 126 mm
- Telaio: 83 mm · Anta: 126 mm
- Kozijn: 83 mm · Vleugel: 126 mm

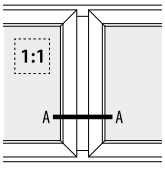


CL

SL CL RL H




- Słupek stały: 116 mm
- Meneau fixe: 116 mm
- Fix post: 116 mm
- Festem Pfahl: 116 mm
- Montante fisso: 116 mm
- Vaste stijl: 116 mm



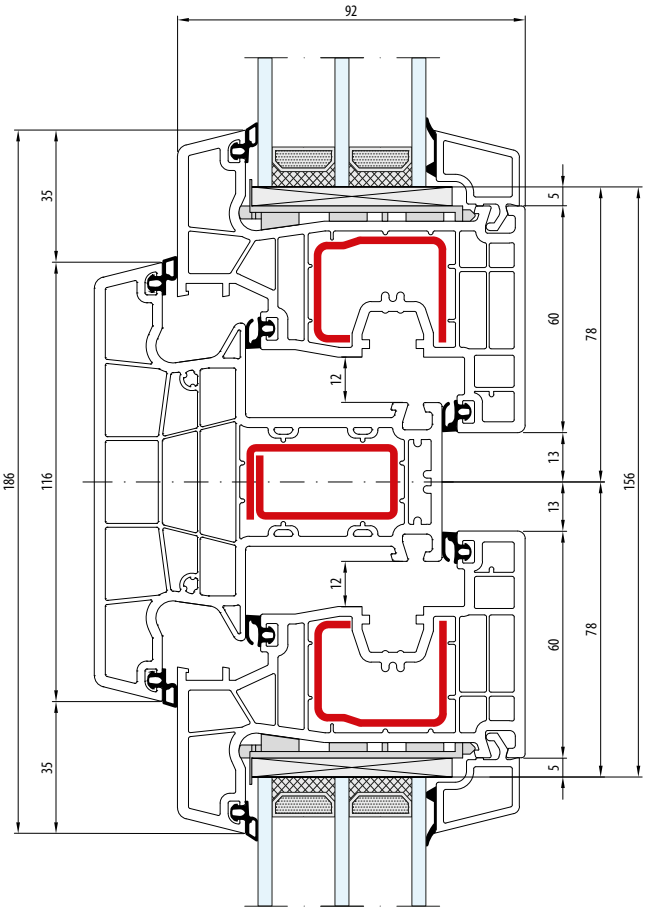




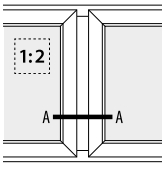






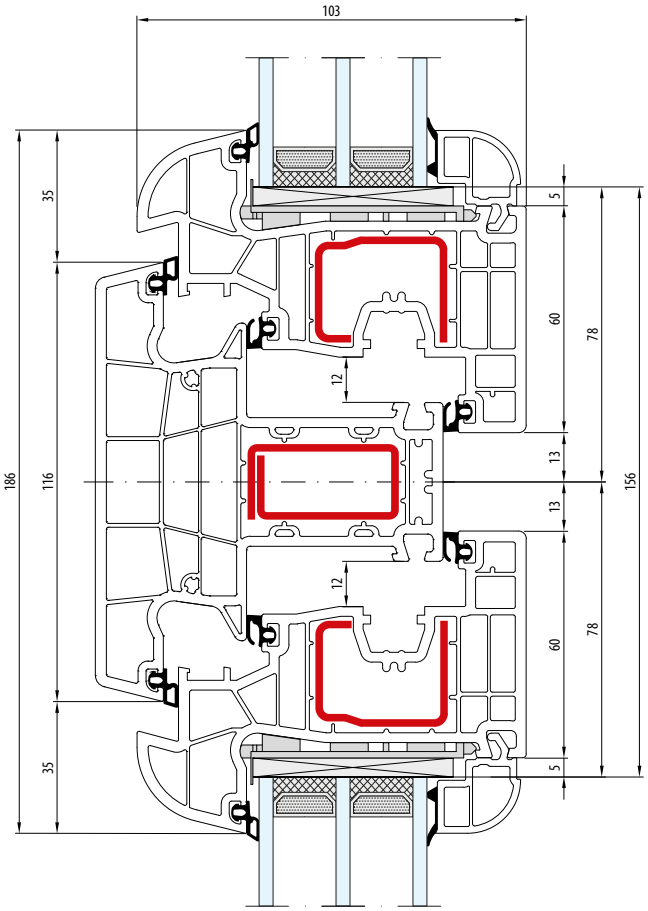



- Słupek stały: 116 mm · Skrzydło: 80 mm
- Meneau fixe: 116 mm · Vantail: 80 mm
- Fix post: 116 mm · Sash: 80 mm
- Festem Pfahl: 116 mm · Flügel: 80 mm
- Montante fisso: 116 mm · Anta: 80 mm
- Vaste stijl: 116 mm · Vleugel: 80 mm

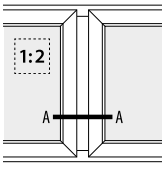


RL

SL CL RL H




- Słupek stały: 116 mm · Skrzydło: 80 mm
- Meneau fixe: 116 mm · Vantail: 80 mm
- Fix post: 116 mm · Sash: 80 mm
- Festem Pfahl: 116 mm · Flügel: 80 mm
- Montante fisso: 116 mm · Anta: 80 mm
- Vaste stijl: 116 mm · Vleugel: 80 mm



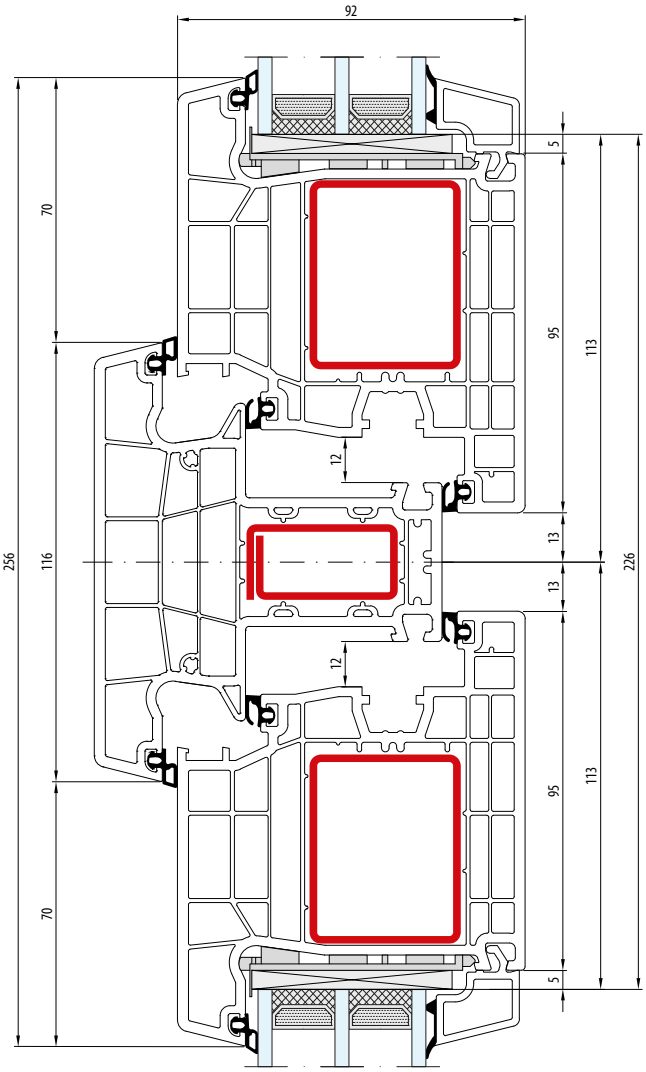




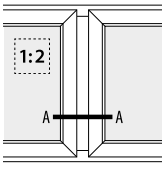






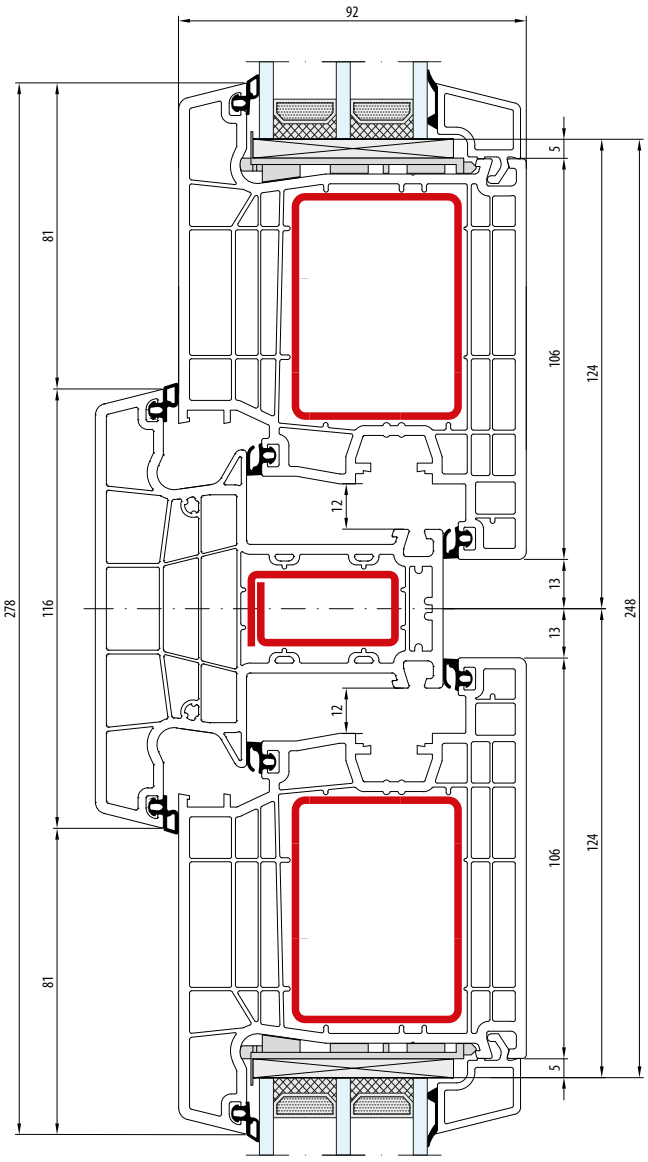



- Słupek stały: 116 mm · Skrzydło: 115 mm
- Meneau fixe: 116 mm · Vantail: 115 mm
- Fix post: 116 mm · Sash: 115 mm
- Festem Pfahl: 116 mm · Flügel: 115 mm
- Montante fisso: 116 mm · Anta: 115 mm
- Vaste stijl: 116 mm · Vleugel: 115 mm

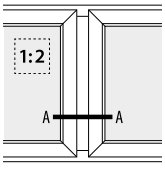


CL

SL CL RL H

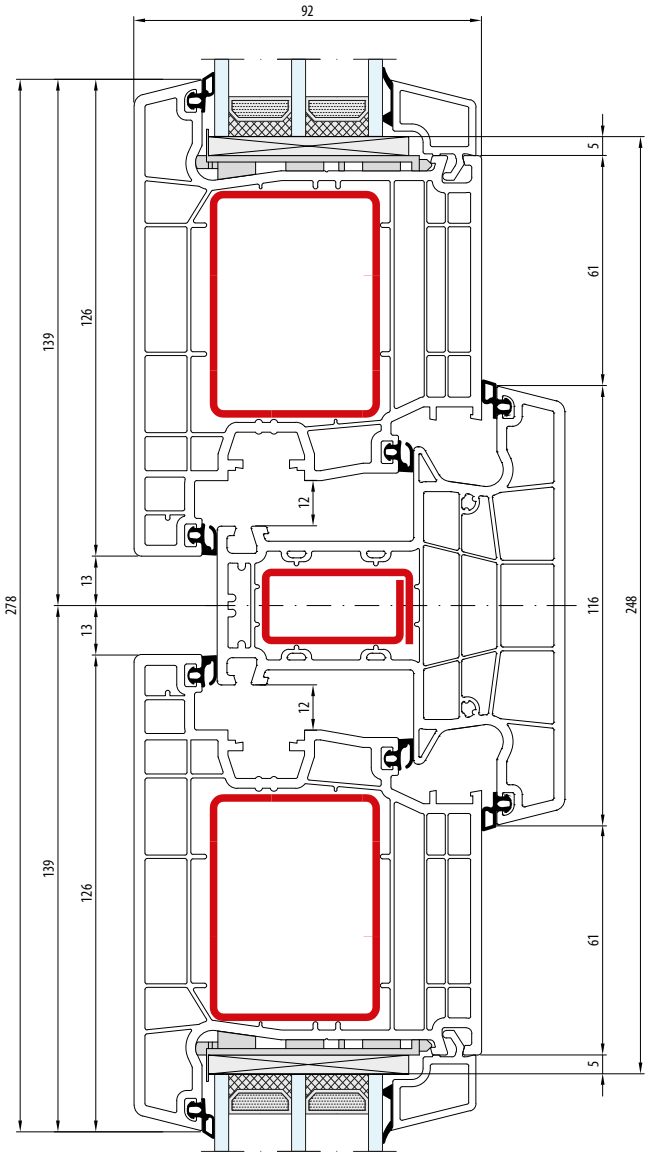



Słupek stały: 116 mm · Skrzydło: 126 mm
Meneau fixe: 116 mm · Vantail: 126 mm
Fix post: 116 mm · Sash: 126 mm
Festem Pfahl: 116 mm · Flügel: 126 mm
Montante fisso: 116 mm · Anta: 126 mm
Vaste stijl: 116 mm · Vleugel: 126 mm

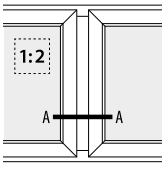


CL

SL CL RL H

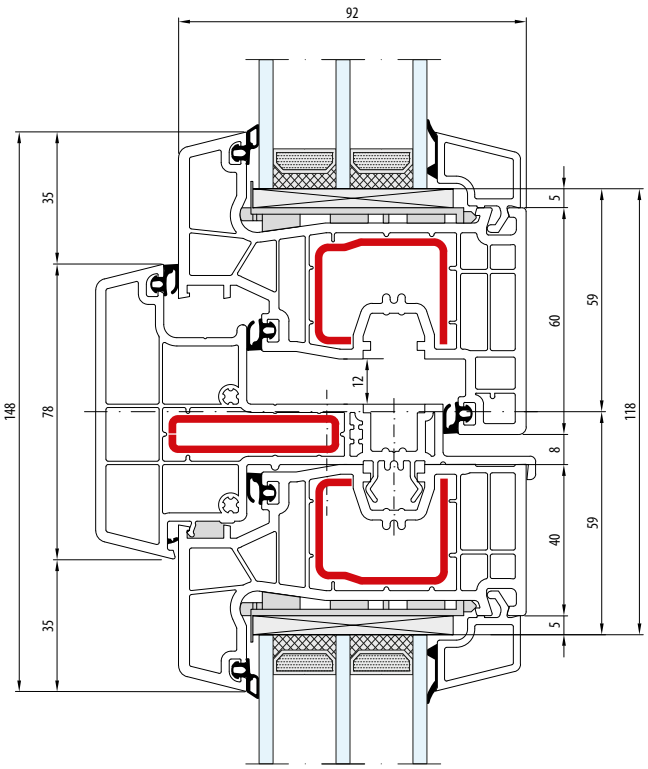



- Słupek stały: 116 mm · Skrzydło: 126 mm
- Meneau fixe: 116 mm · Vantail: 126 mm
- Fix post: 116 mm · Sash: 126 mm
- Festem Pfahl: 116 mm · Flügel: 126 mm
- Montante fisso: 116 mm · Anta: 126 mm
- Vaste stijl: 116 mm · Vleugel: 126 mm

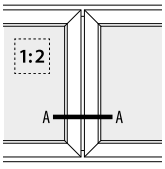


CL

SL
CL
RL
H




Słupek ruchomy: 78 mm · Skrzydło: 80 mm / 60 mm
Meneau mobile: 78 mm · Vantail: 80 mm / 60 mm
Movable post: 78 mm · Sash: 80 mm / 60 mm
Stulp: 78 mm · Flügel: 80 mm / 60 mm
Montante mobile: 78 mm · Anta: 80 mm / 60 mm
Verplaatsbare stijl: 78 mm · Vleugel: 80 mm / 60 mm



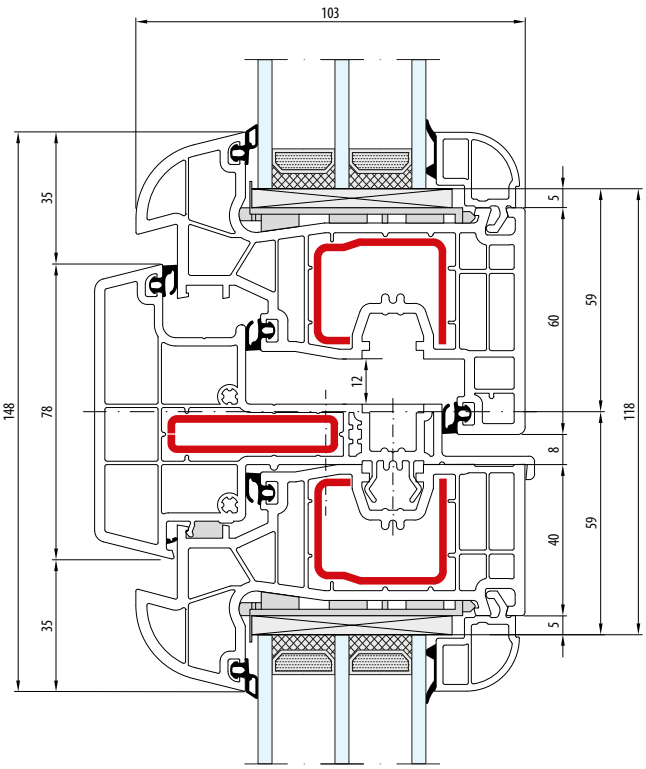




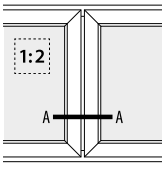






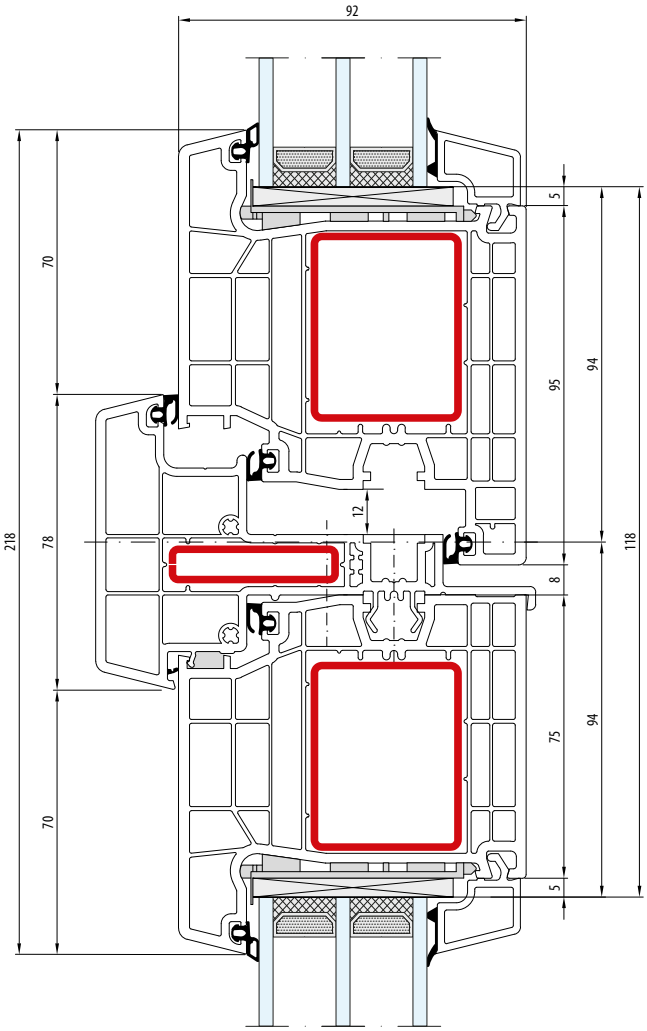



- Słupek ruchomy: 78 mm · Skrzydło: 80 mm / 60 mm
- Meneau mobile: 78 mm · Vantail: 80 mm / 60 mm
- Movable post: 78 mm · Sash: 80 mm / 60 mm
- Stulp: 78 mm · Flügel: 80 mm / 60 mm
- Montante mobile: 78 mm · Anta: 80 mm / 60 mm
- Verplaatsbare stijl: 78 mm · Vleugel: 80 mm / 60 mm

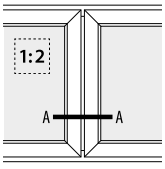


CL

SL
CL
RL
H

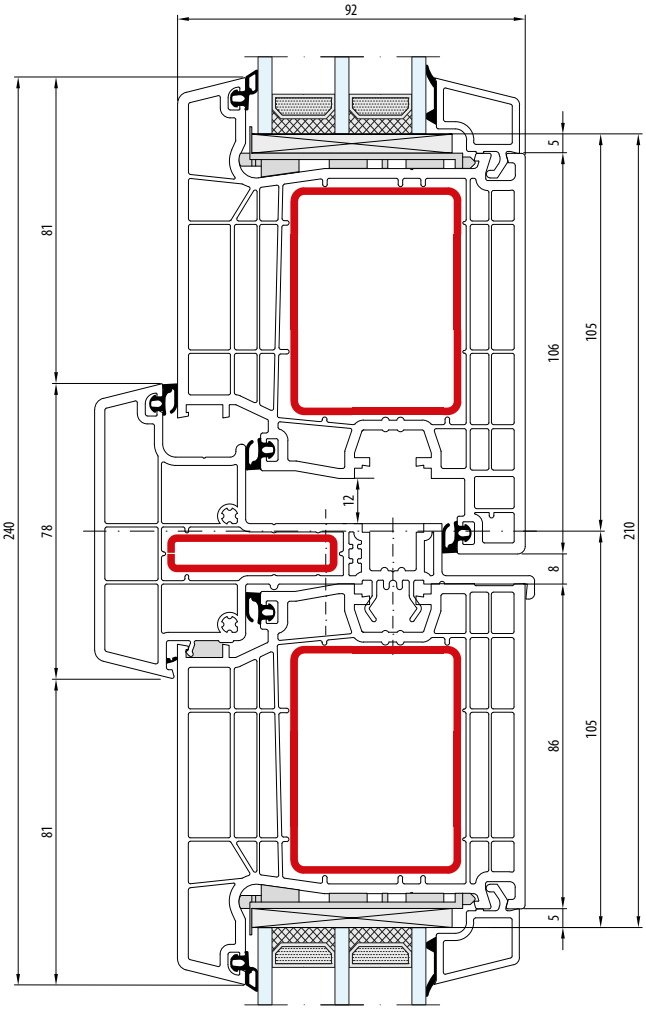



- Słupek ruchomy: 78 mm · Skrzydło: 115 mm / 95 mm
- Meneau mobile: 78 mm · Vantail: 115 mm / 95 mm
- Movable post: 78 mm · Sash: 115 mm / 95 mm
- Stulp: 78 mm · Flügel: 115 mm / 95 mm
- Montante mobile: 78 mm · Anta: 115 mm / 95 mm
- Verplaatsbare stijl: 78 mm · Vleugel: 115 mm / 95 mm

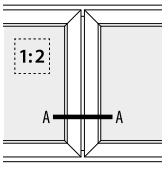


CL

SL CL RL H

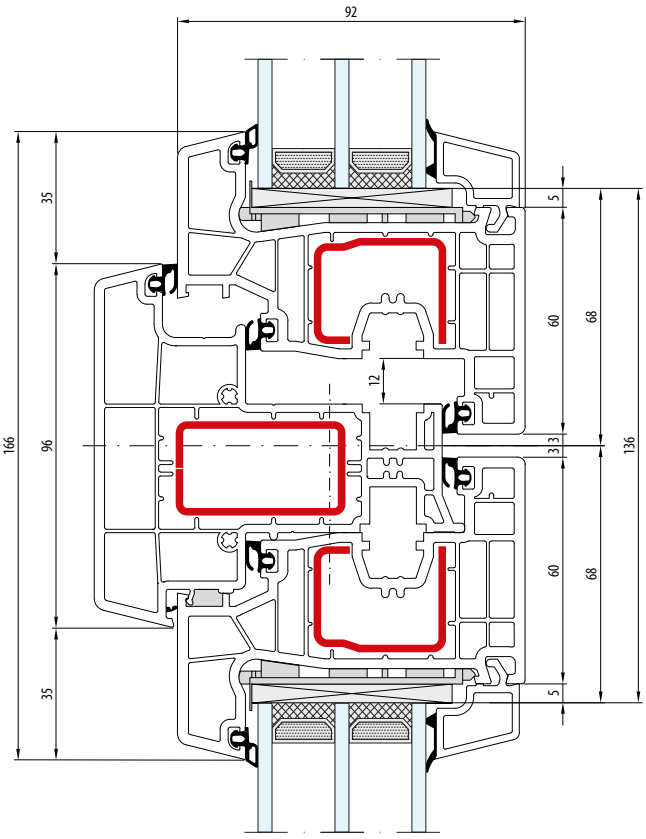



- Słupek ruchomy: 78 mm · Skrzydło: 126 mm / 106 mm
- Meneau mobile: 78 mm · Vantail: 126 mm / 106 mm
- Movable post: 78 mm · Sash: 126 mm / 106 mm
- Stulp: 78 mm · Flügel: 126 mm / 106 mm
- Montante mobile: 78 mm · Anta: 126 mm / 106 mm
- Verplaatsbare stijl: 78 mm · Vleugel: 126 mm / 106 mm

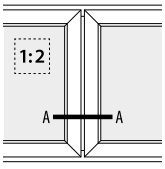


CL

SL
CL
RL
H




Słupek ruchomy: 96 mm · Skrzydło: 80 mm
Meneau mobile: 96 mm · Vantail: 80 mm
Movable post: 96 mm · Sash: 80 mm
Stulp: 96 mm · Flügel: 80 mm
Montante mobile: 96 mm · Anta: 80 mm
Verplaatsbare stijl: 96 mm · Vleugel: 80 mm



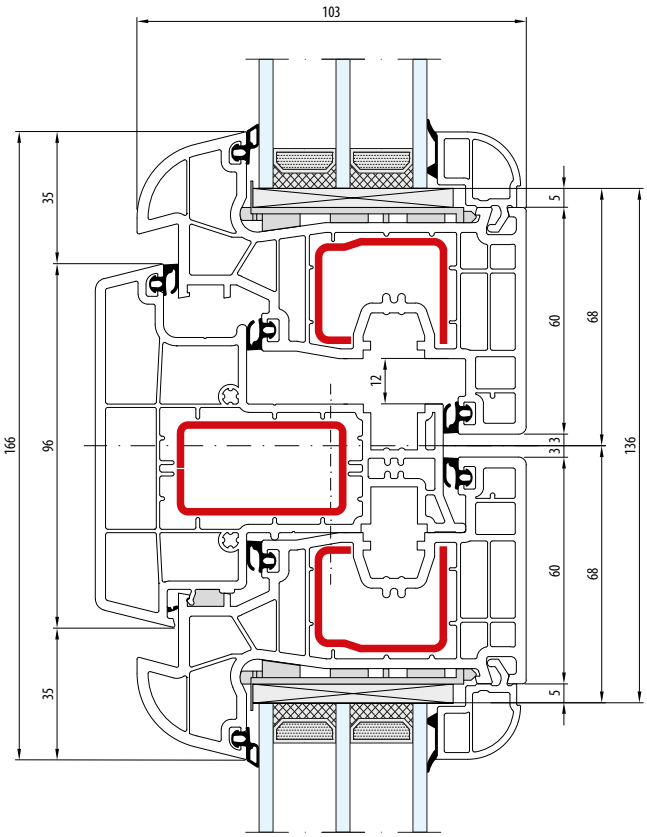




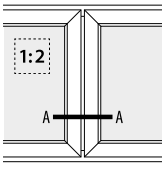






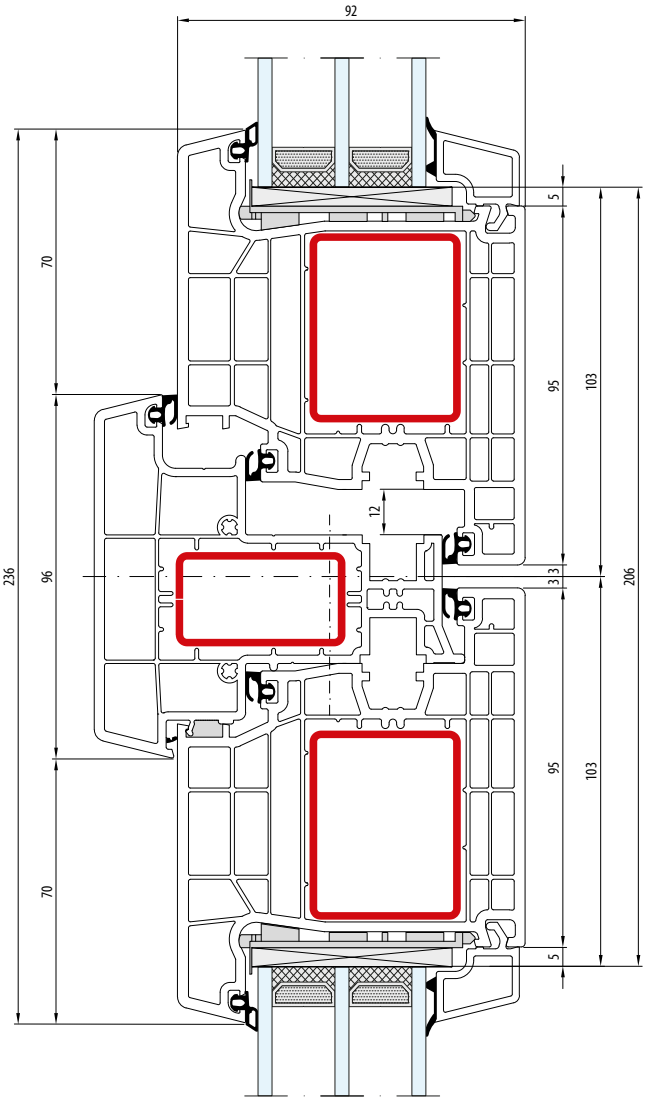



- Słupek ruchomy: 96 mm · Skrzydło: 80 mm
- Meneau mobile: 96 mm · Vantail: 80 mm
- Movable post: 96 mm · Sash: 80 mm
- Stulp: 96 mm · Flügel: 80 mm
- Montante mobile: 96 mm · Anta: 80 mm
- Verplaatsbare stijl: 96 mm · Vleugel: 80 mm

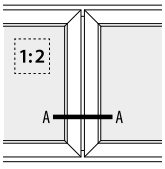


CL

SL
CL
RL
H




Słupek ruchomy: 96 mm · Skrzydło: 115 mm
Meneau mobile: 96 mm · Vantail: 115 mm
Movable post: 96 mm · Sash: 115 mm
Stulp: 96 mm · Flügel: 115 mm
Montante mobile: 96 mm · Anta: 115 mm
Verplaatsbare stijl: 96 mm · Vleugel: 115 mm



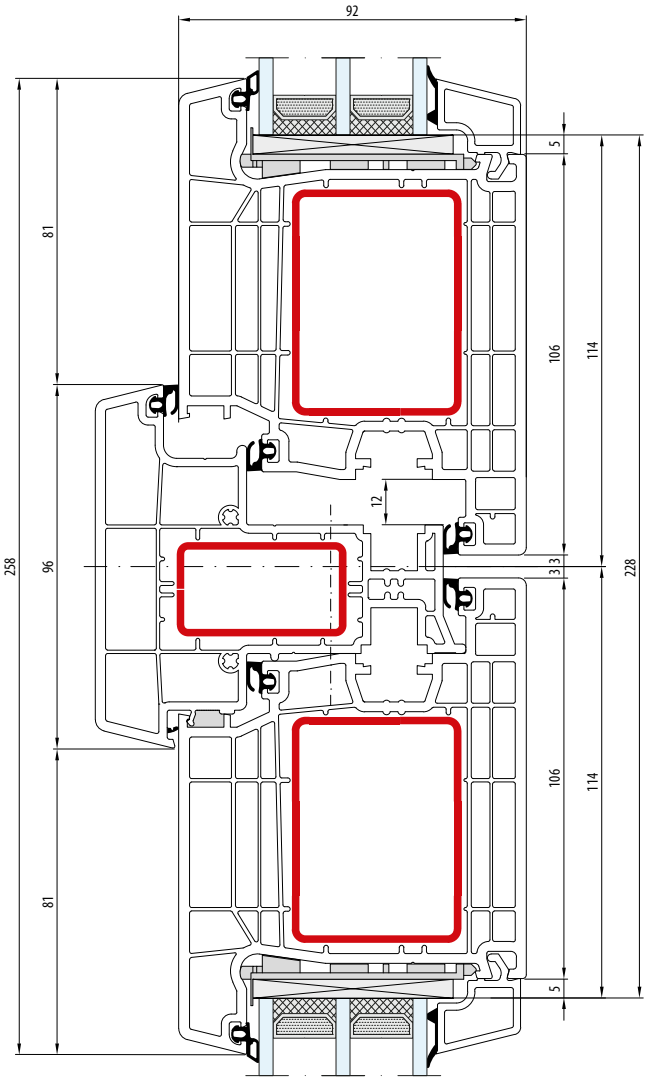




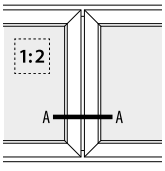






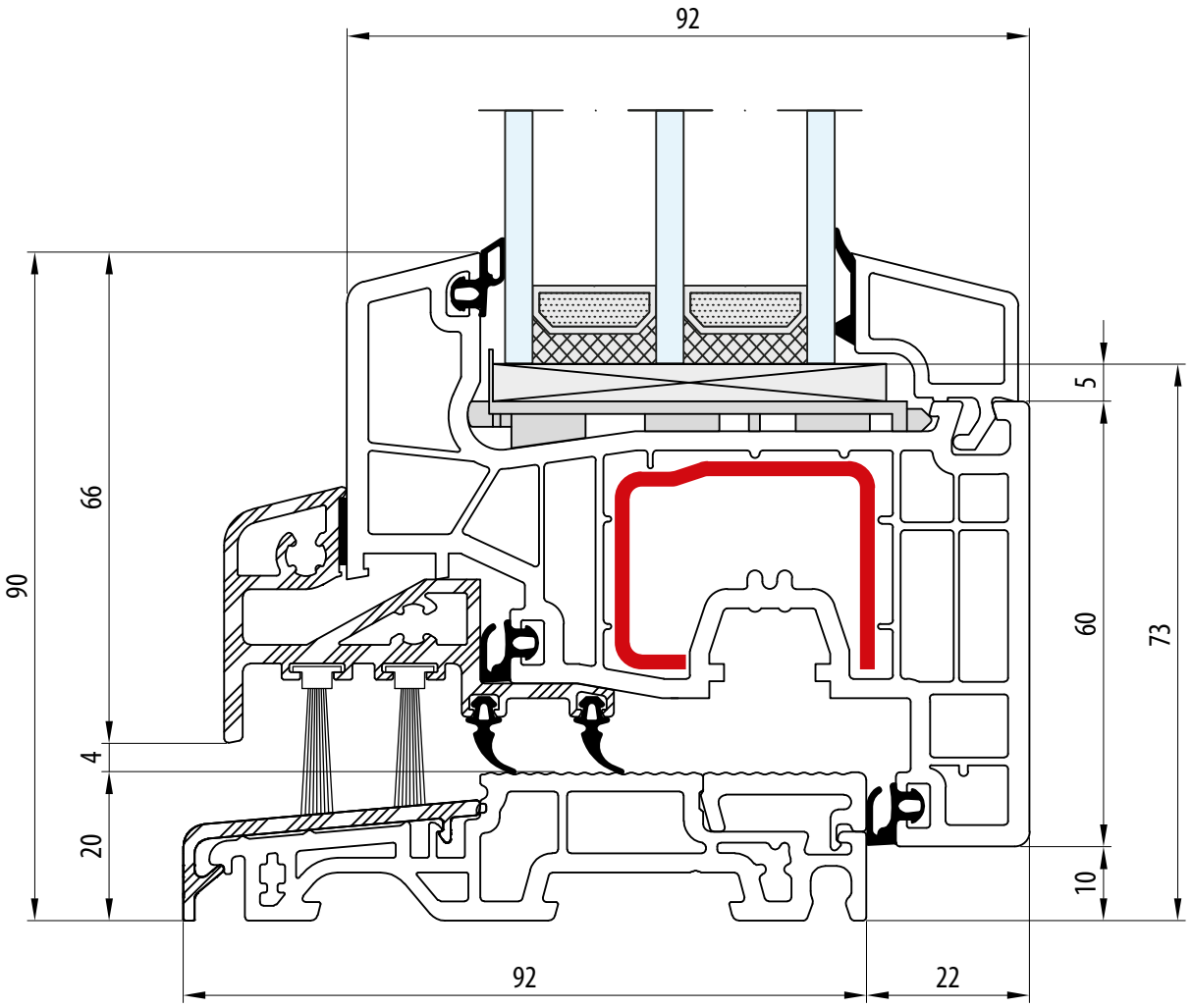



- Słupek ruchomy: 96 mm · Skrzydło: 126 mm
- Meneau mobile: 96 mm · Vantail: 126 mm
- Movable post: 96 mm · Sash: 126 mm
- Stulp: 96 mm · Flügel: 126 mm
- Montante mobile: 96 mm · Anta: 126 mm
- Verplaatsbare stijl: 96 mm · Vleugel: 126 mm

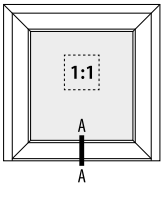


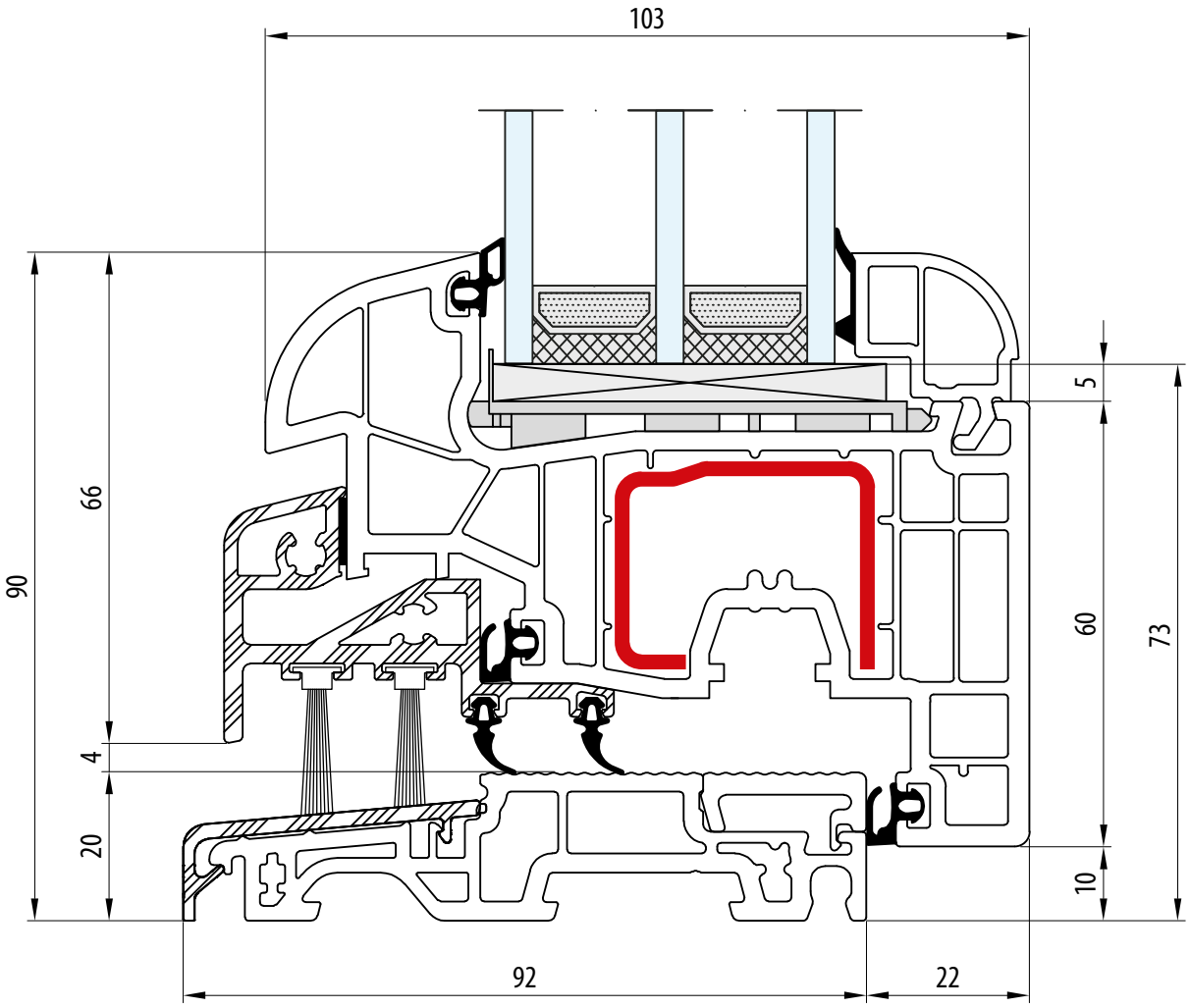
CL

SL
CL
RL
H

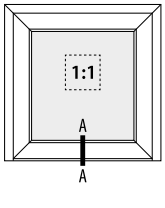



- Próg: 20 mm · Skrzydło: 80 mm
- Seuil: 20 mm · Vantail: 80 mm
- Threshold: 20 mm · Sash: 80 mm
- Schwelle: 20 mm · Flügel: 80 mm
- Soglia: 20 mm · Anta: 80 mm
- Dorpel: 20 mm · Vleugel: 80 mm



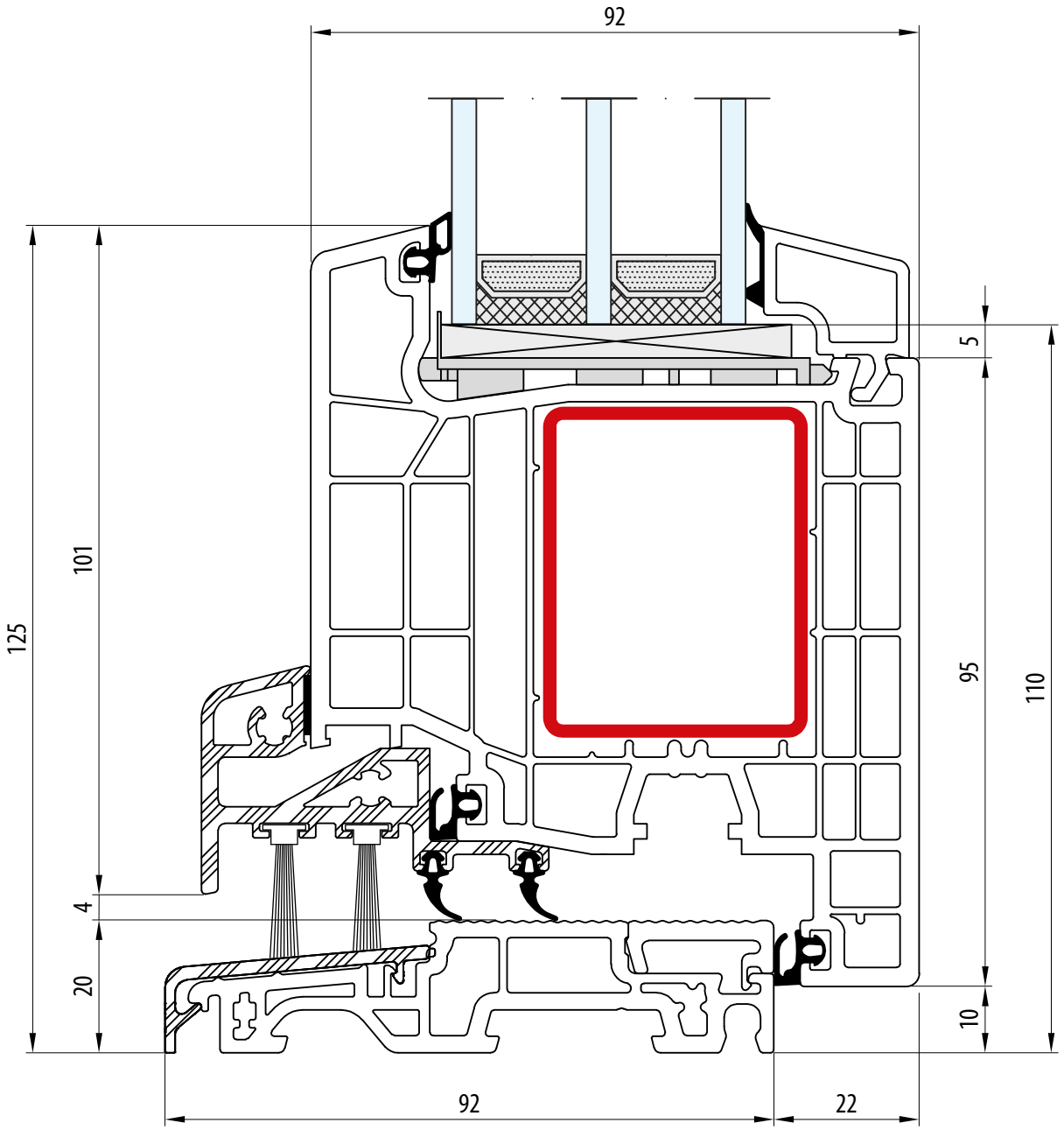



Próg: 20 mm · Skrzydło: 80 mm
Seuil: 20 mm · Vantail: 80 mm
Threshold: 20 mm · Sash: 80 mm
Schwelle: 20 mm · Flügel: 80 mm
Soglia: 20 mm · Anta: 80 mm
Dorpel: 20 mm · Vleugel: 80 mm

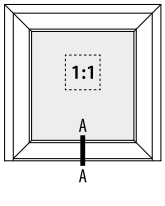


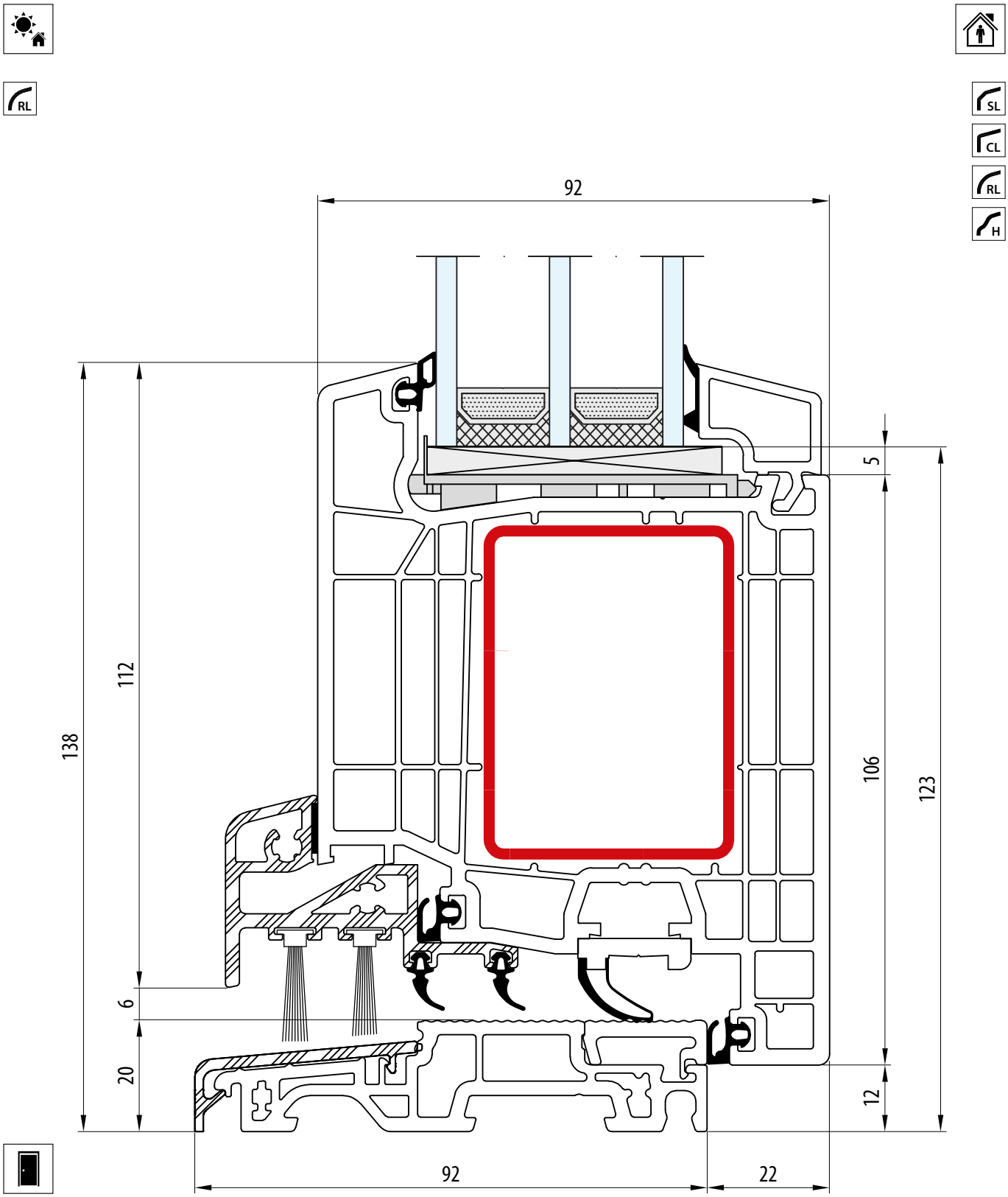
CL

SL CL RL H

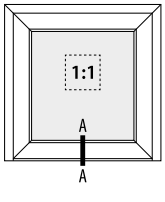



- Próg: 20 mm · Skrzydło: 115 mm
- Seuil: 20 mm · Vantail: 115 mm
- Threshold: 20 mm · Sash: 115 mm
- Schwelle: 20 mm · Flügel: 115 mm
- Soglia: 20 mm · Anta: 115 mm
- Dorpel: 20 mm · Vleugel: 115 mm



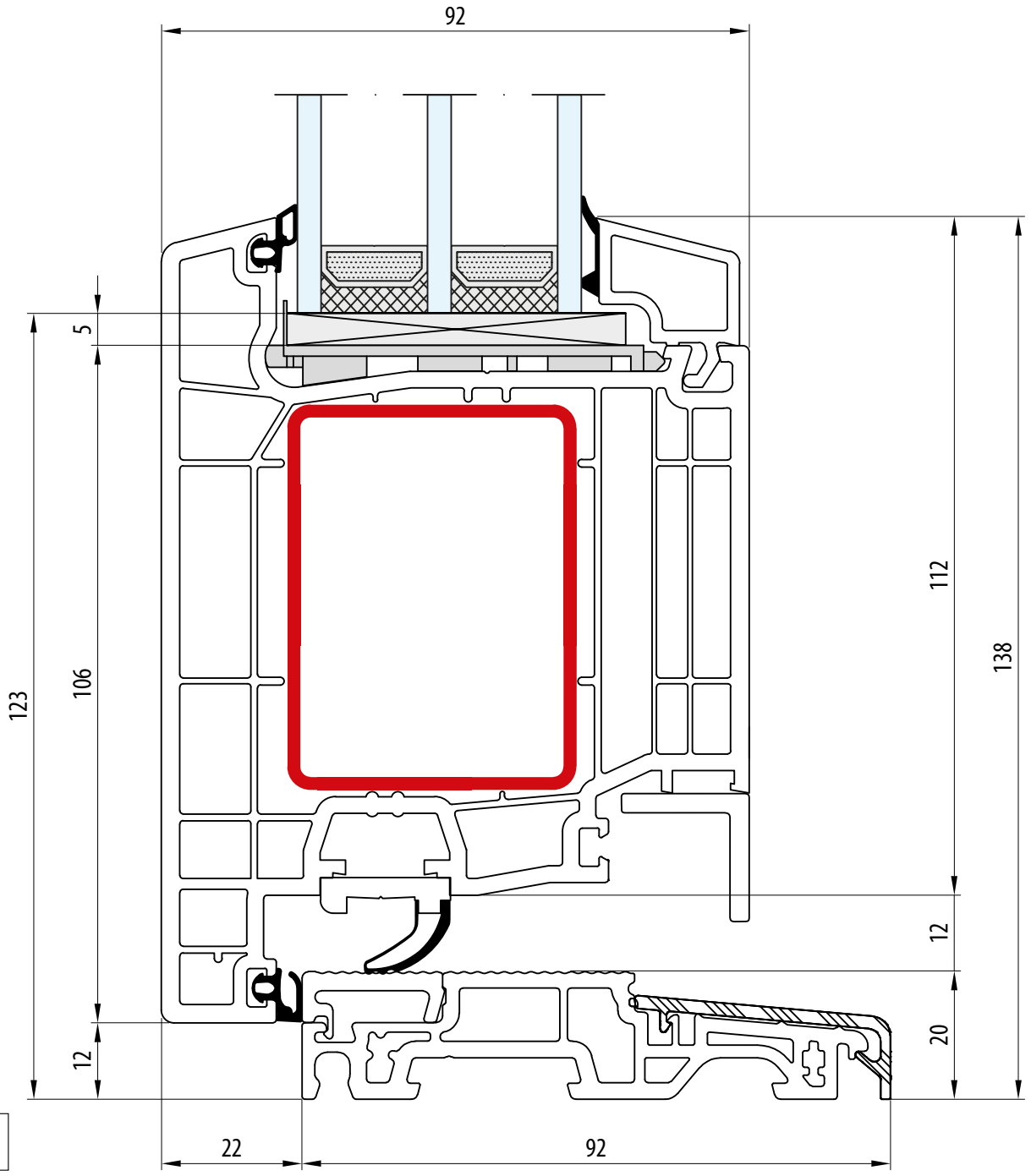



- Próg: 20 mm · Skrzydło: 126 mm
- Seuil: 20 mm · Vantail: 126 mm
- Threshold: 20 mm · Sash: 126 mm
- Schwelle: 20 mm · Flügel: 126 mm
- Soglia: 20 mm · Anta: 126 mm
- Dorpel: 20 mm · Vleugel: 126 mm

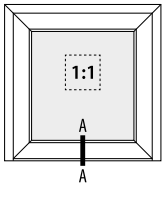


CL

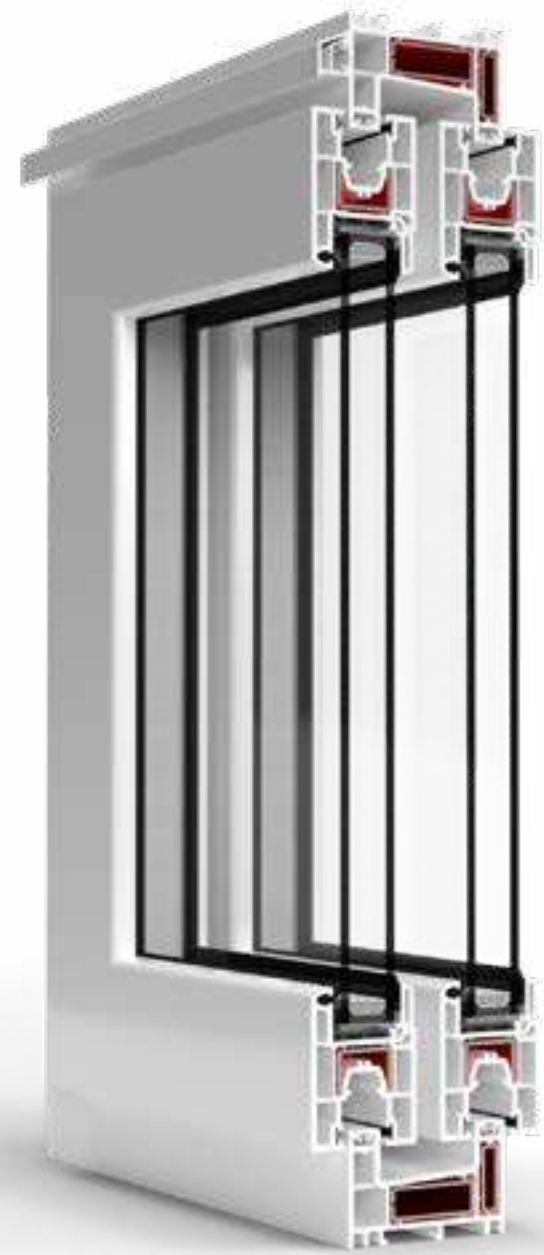
SL
CL
RL
H

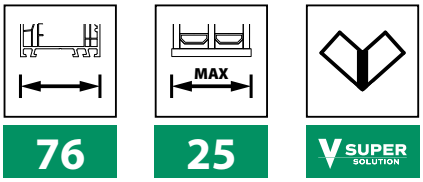



- Próg: 20 mm · Skrzydło: 115 mm
- Seuil: 20 mm · Vantail: 115 mm
- Threshold: 20 mm · Sash: 115 mm
- Schwelle: 20 mm · Flügel: 115 mm
- Soglia: 20 mm · Anta: 115 mm
- Dorpel: 20 mm · Vleugel: 115 mm

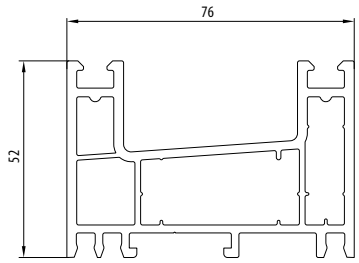


# EVOLUTIONDRIVE SF

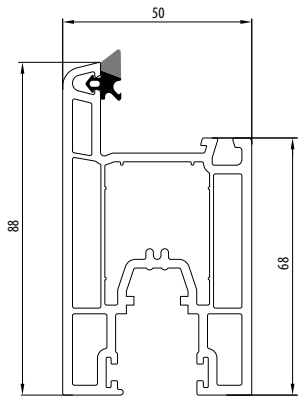




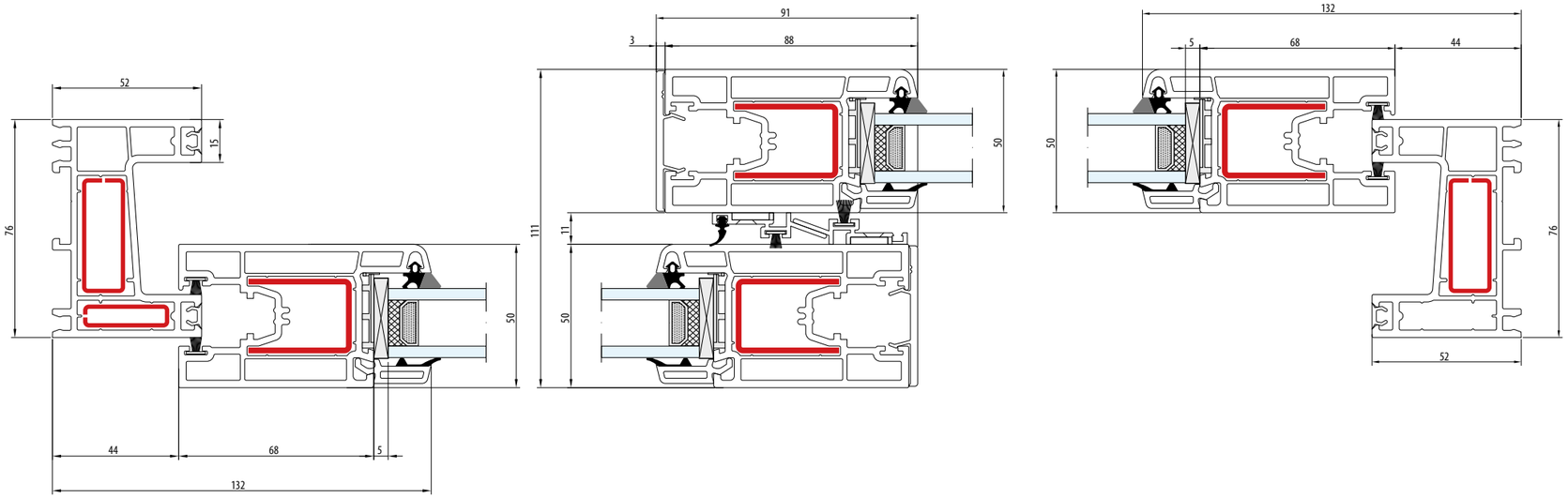




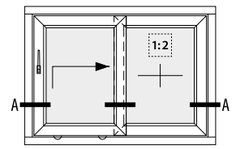

CL 600128




CL 601138



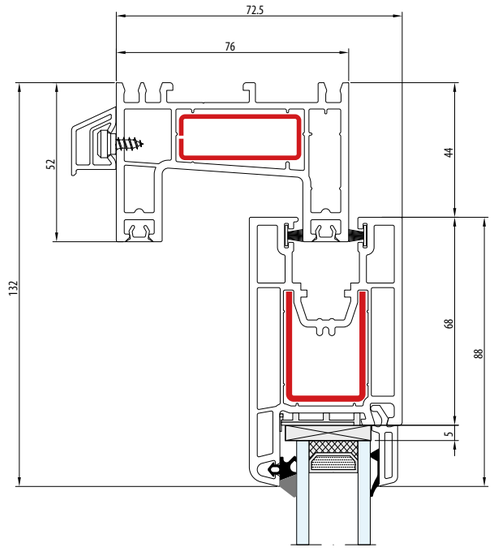

- Schemat A - Przekrój poziomy · Rama: 52 mm · Skrzydło: 88 mm
- Schéma A - Coupe horizontale · Dormant: 52 mm · Vantail: 88 mm
- Schema A - Doorsnede horizontaal · Frame: 52 mm · Sash: 88 mm
- Schema A - Wagerechter Schnitt · Rahmen: 52 mm · Flügel: 88 mm
- Schema A - Sezione orizzontale · Telaio: 52 mm · Anta: 88 mm
- Schema A - Horizontale doorsnede · Kozijn: 52 mm · Vleugel: 88 mm

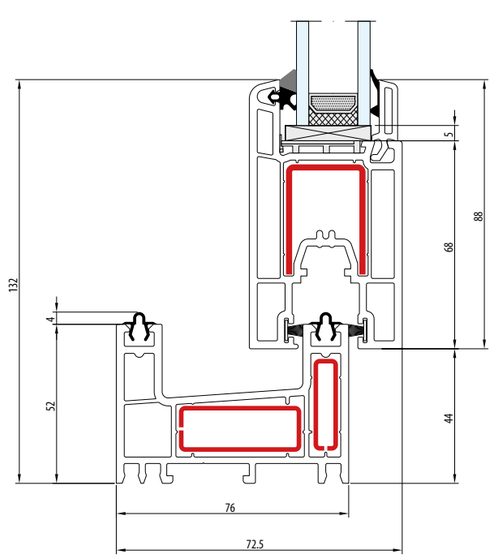




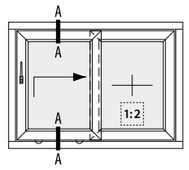






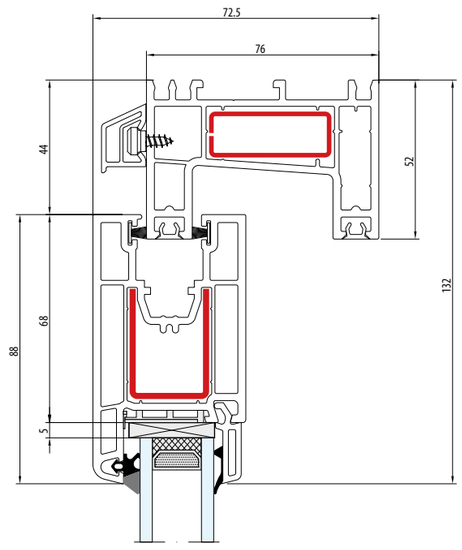

- Schemat A - Przekrój pionowy · Rama: 52 mm · Skrzydło: 88 mm
- Schéma A - Coupe verticale · Dormant: 52 mm · Vantail: 88 mm
- Schema A - Doorsnede verticaal · Frame: 52 mm · Sash: 88 mm
- Schema A - Senkrechter Schnitt · Rahmen: 52 mm · Flügel: 88 mm
- Schema A - Sezione verticale · Telaio: 52 mm · Anta: 88 mm
- Schema A - Verticale doorsnede · Kozijn: 52 mm · Vleugel: 88 mm

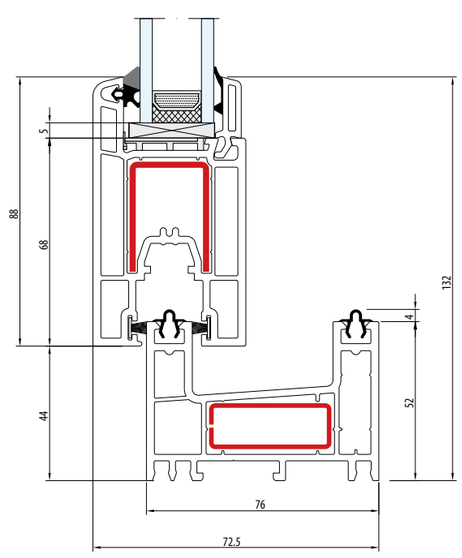




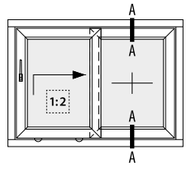


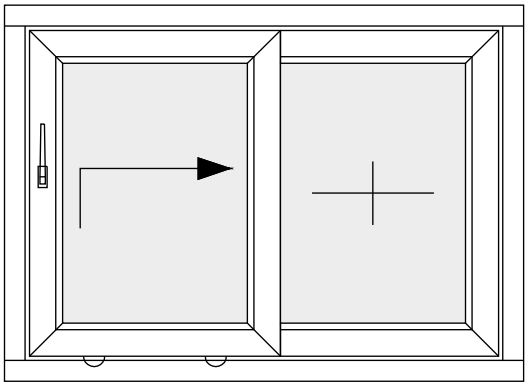



- Schemat A - Przekrój pionowy · Rama: 52 mm · Skrzydło: 88 mm
- Schéma A - Coupe verticale · Dormant: 52 mm · Vantail: 88 mm
- Schema A - Doorsnede verticaal · Frame: 52 mm · Sash: 88 mm
- Schema A - Senkrechter Schnitt · Rahmen: 52 mm · Flügel: 88 mm
- Schema A - Sezione verticale · Telaio: 52 mm · Anta: 88 mm
- Schema A - Verticale doorsnede · Kozijn: 52 mm · Vleugel: 88 mm

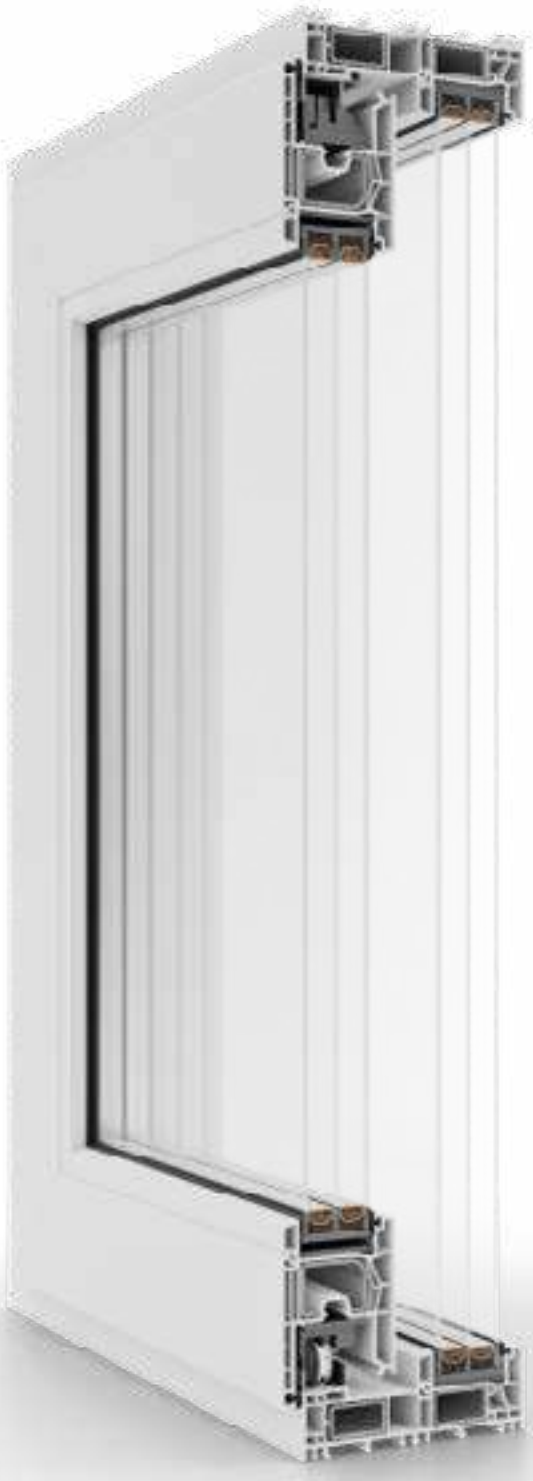


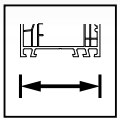


A

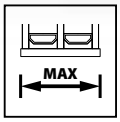
Schemat
Schéma
Schema
Schema
Schema
Schema

# EVOLUTIONDRIVE PLUS+

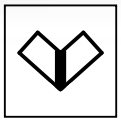




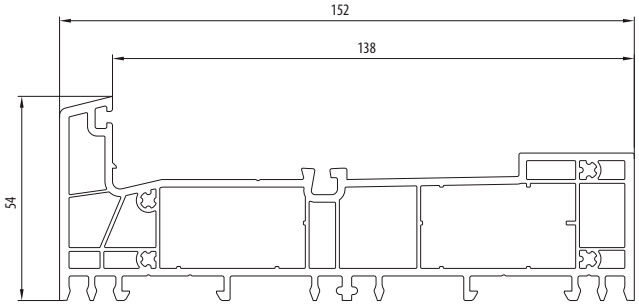
152



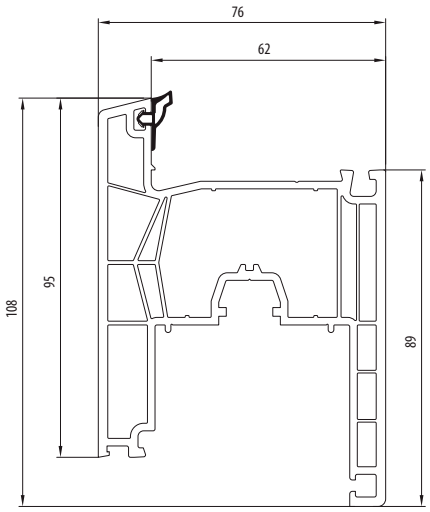

49



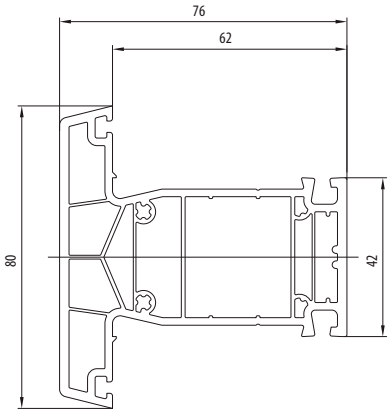




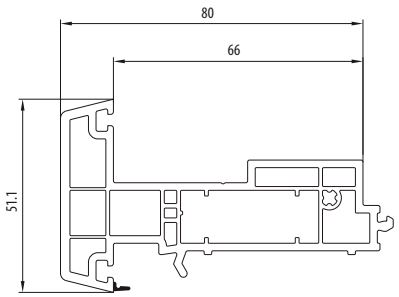

660000



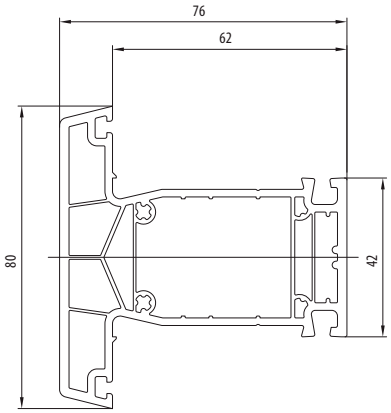

661000



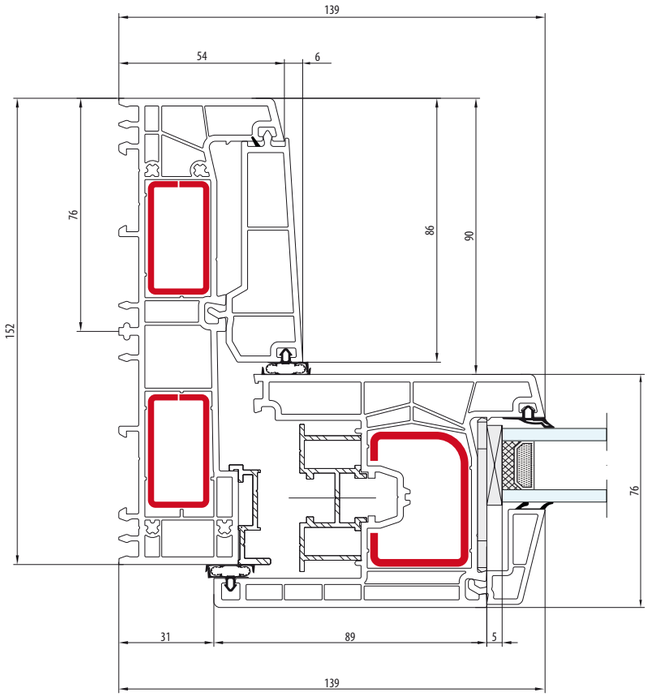

762011

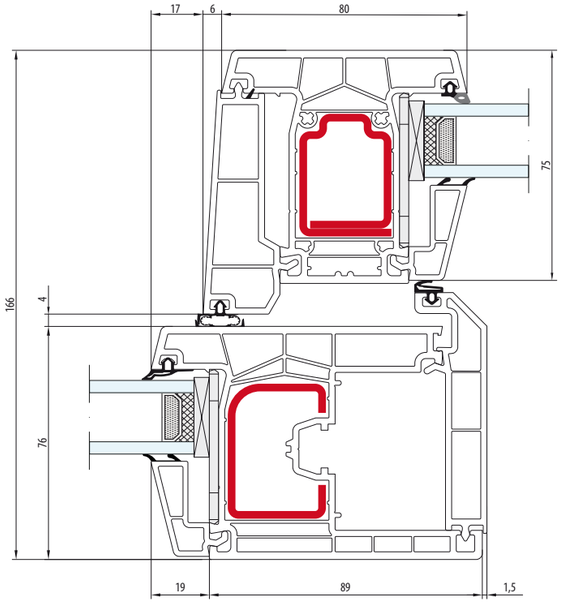


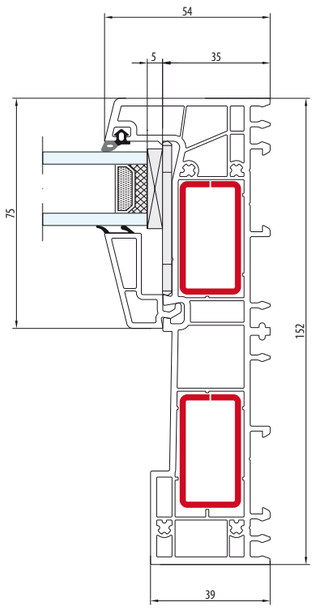

666000



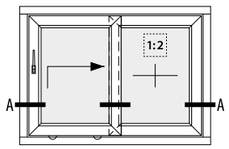

762013



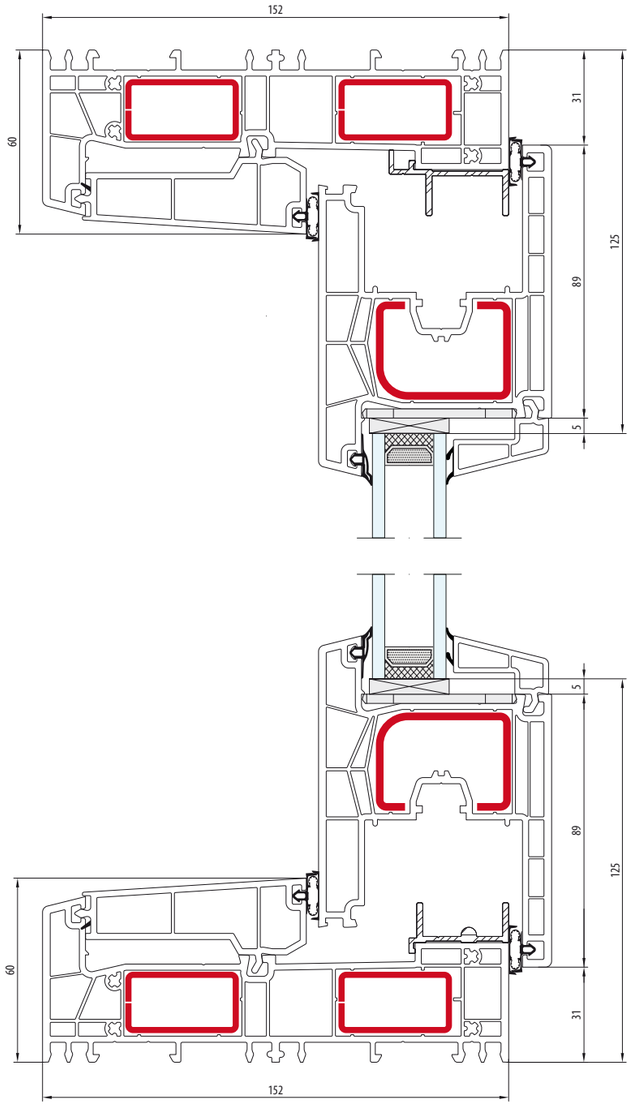




- Schemat A - Przekrój poziomy · Rama: 152 mm · Skrzydło: 76 mm
- Schéma A - Coupe horizontale · Dormant: 152 mm · Vantail: 76 mm
- Schema A - Doorsnede horizontaal · Frame: 152 mm · Sash: 76 mm
- Schema A - Wagerechter Schnitt · Rahmen: 152 mm · Flügel: 76 mm
- Schema A - Sezione orizzontale · Telaio: 152 mm · Anta: 76 mm
- Schema A - Horizontale doorsnede · Kozijn: 152 mm · Vleugel: 76 mm

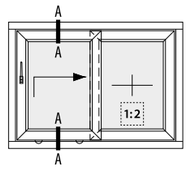


CL

SL
CL
RL



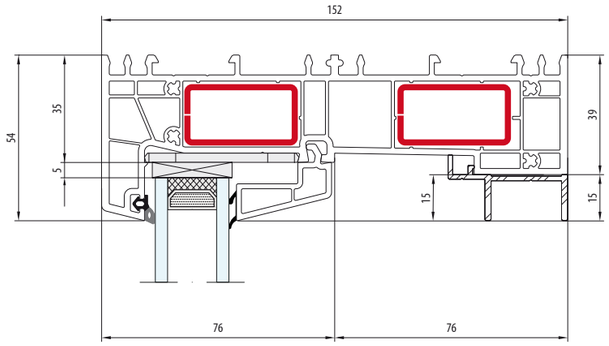

- Schemat A - Przekrój pionowy · Rama: 152 mm · Skrzydło: 76 mm
- Schéma A - Coupe verticale · Dormant: 152 mm · Vantail: 76 mm
- Schema A - Doorsnede verticaal · Frame: 152 mm · Sash: 76 mm
- Schema A - Senkrechter Schnitt · Rahmen: 152 mm · Flügel: 76 mm
- Schema A - Sezione verticale · Telaio: 152 mm · Anta: 76 mm
- Schema A - Verticale doorsnede · Kozijn: 152 mm · Vleugel: 76 mm

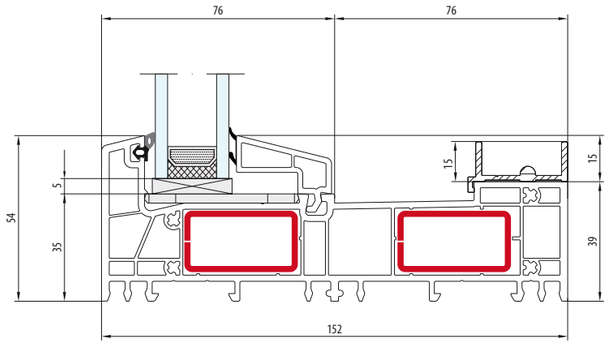



EVOLUTIONDRIVE SF
EVOLUTIONDRIVE PLUS+
EVOLUTIONDRIVE 82

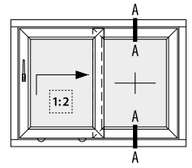
CL

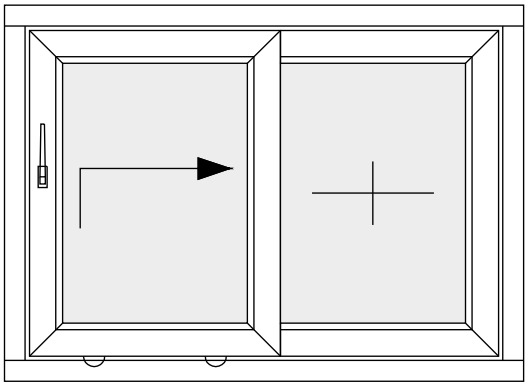
SL
CL
RL




- Schemat A - Przekrój pionowy · Rama: 152 mm · Skrzydło: 76 mm
- Schéma A - Coupe verticale · Dormant: 152 mm · Vantail: 76 mm
- Schema A - Doorsnede verticaal · Frame: 152 mm · Sash: 76 mm
- Schema A - Senkrechter Schnitt · Rahmen: 152 mm · Flügel: 76 mm
- Schema A - Sezione verticale · Telaio: 152 mm · Anta: 76 mm
- Schema A - Verticale doorsnede · Kozijn: 152 mm · Vleugel: 76 mm

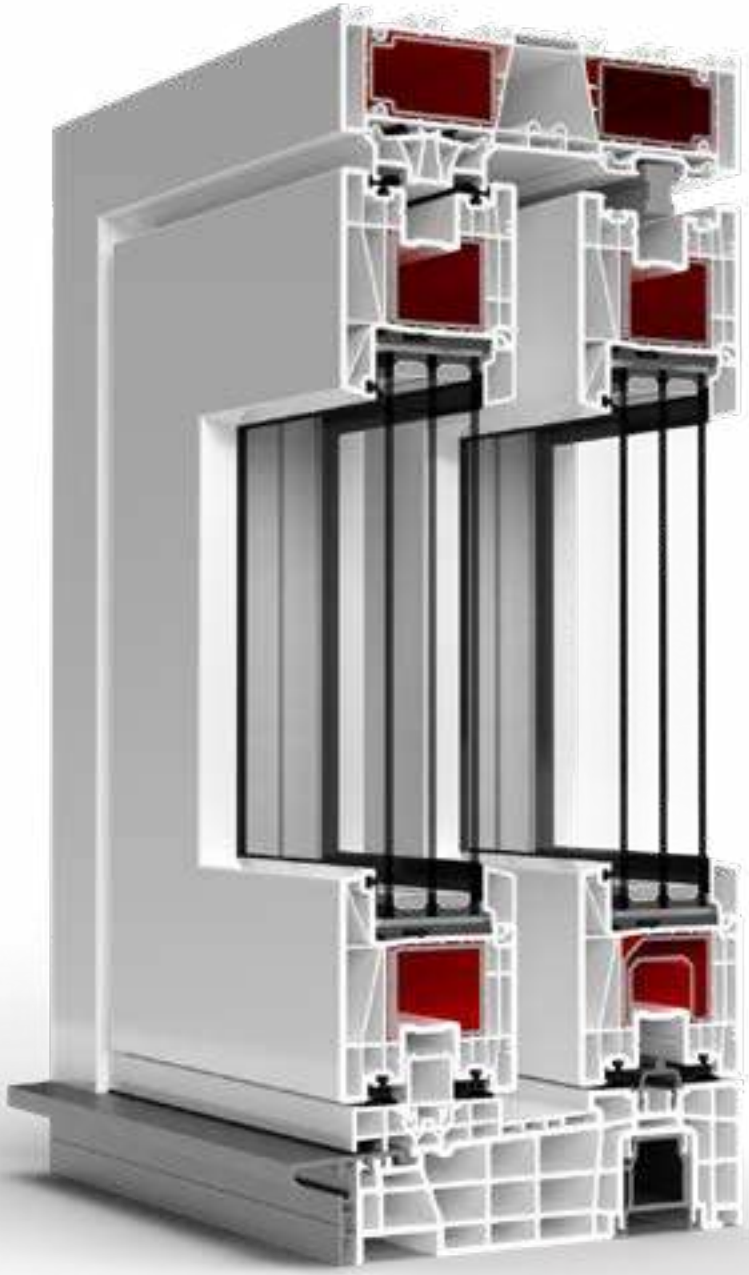


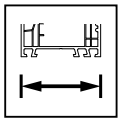


A

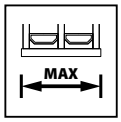
Schemat
Schéma
Schema
Schema
Schema
Schema

# EVOLUTIONDRIVE 82

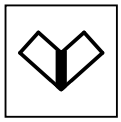




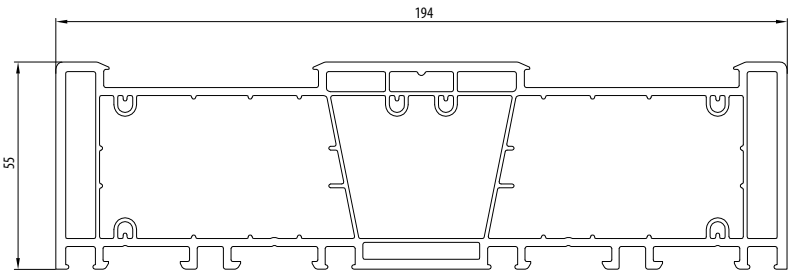
194



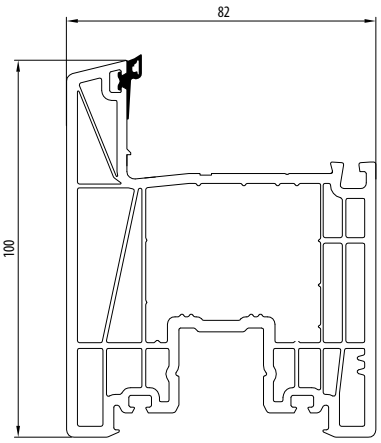

53



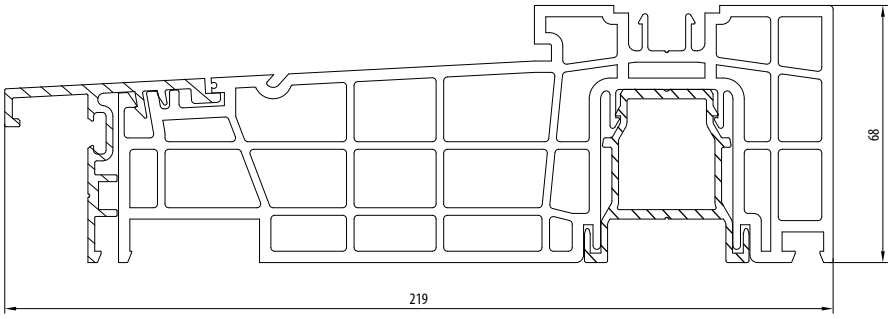




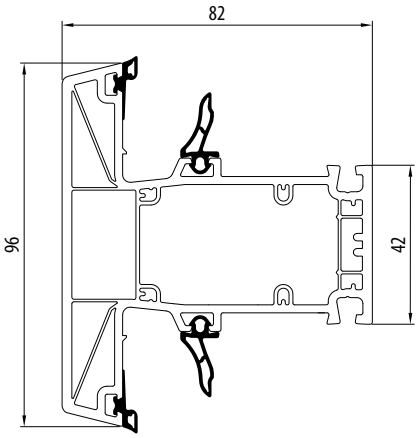

CL H8050



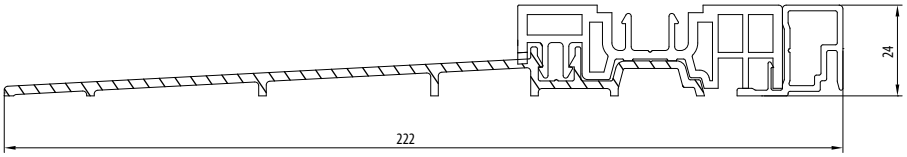

CL H8600



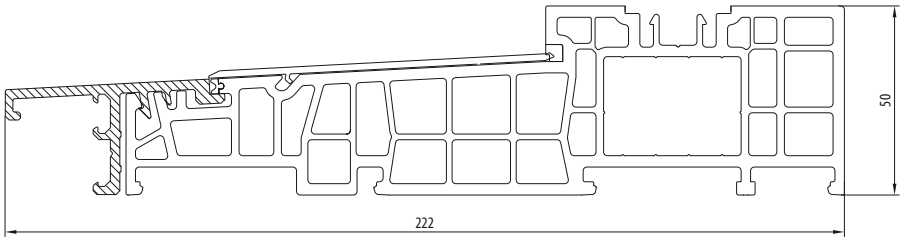

Thermostep - 68 mm




CL HO9310

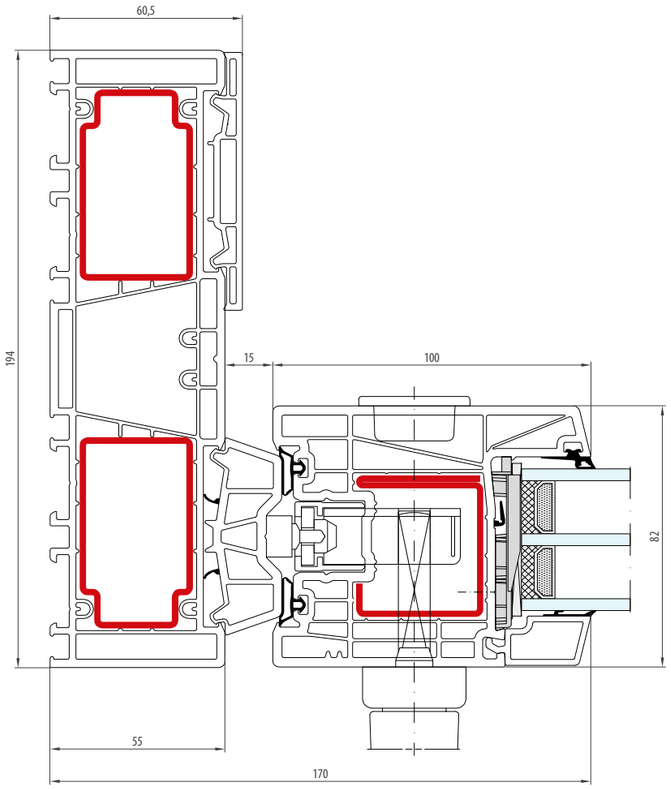


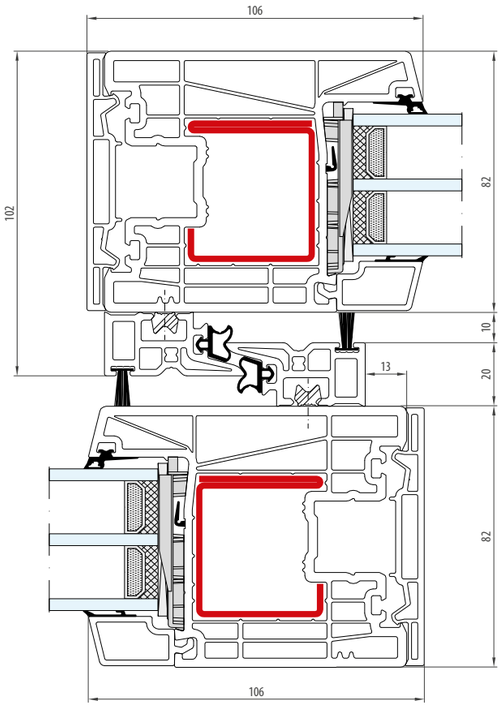

Flatstep - 24 mm

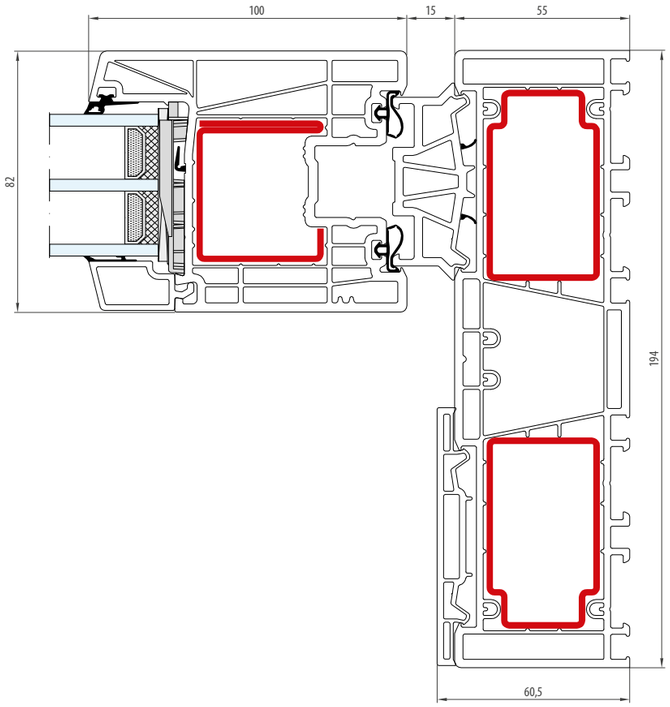



Thermo Schwelle - 50 mm

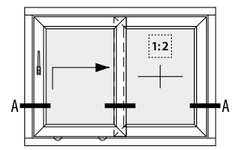
1:2




- Schemat A - Przekrój poziomy · Rama: 55 mm · Skrzydło: 100 mm
- Schéma A - Coupe horizontale · Dormant: 55 mm · Vantail: 100 mm
- Schema A - Doorsnede horizontaal · Frame: 55 mm · Sash: 100 mm
- Schema A - Wagerechter Schnitt · Rahmen: 55 mm · Flügel: 100 mm
- Schema A - Sezione orizzontale · Telaio: 55 mm · Anta: 100 mm
- Schema A - Horizontale doorsnede · Kozijn: 55 mm · Vleugel: 100 mm



EVOLUTIONDRIVE SF

EVOLUTIONDRIVE PLUS

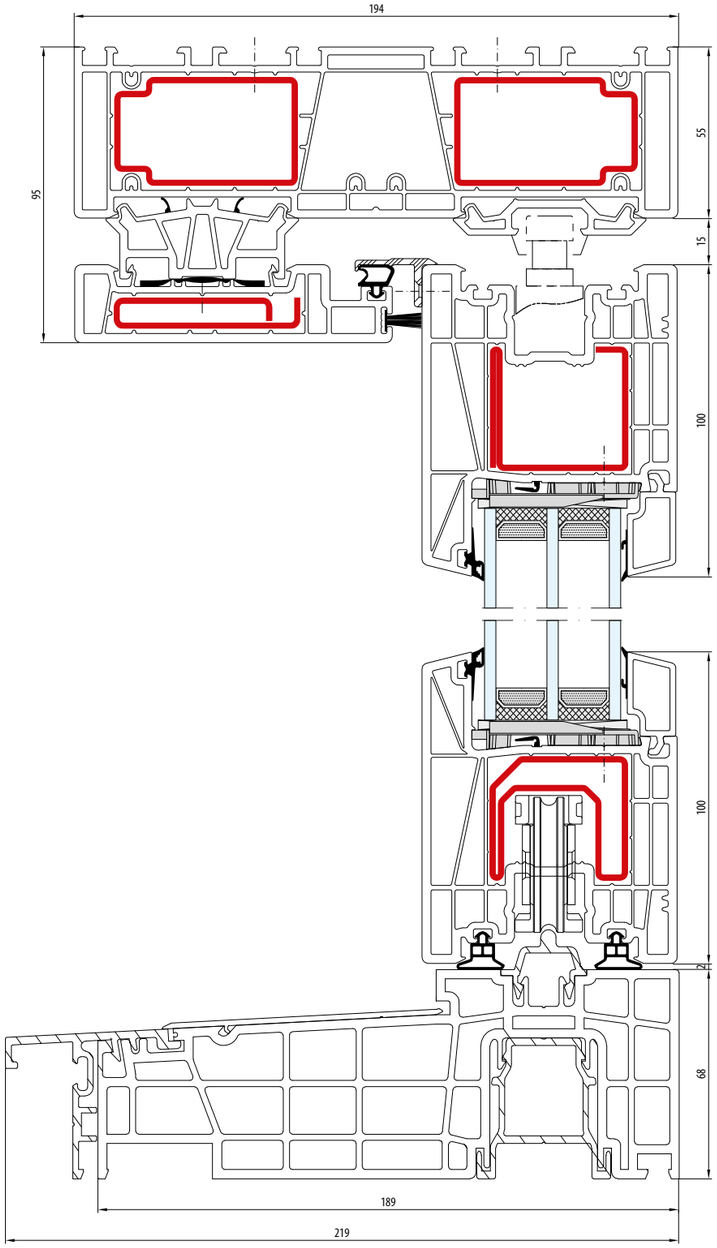
EVOLUTIONDRIVE 82

CL

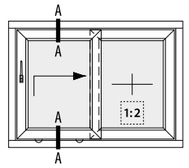
SL

CL

RL




- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm




EVOLUTIONDRIVE SF

EVOLUTIONDRIVE PLUS

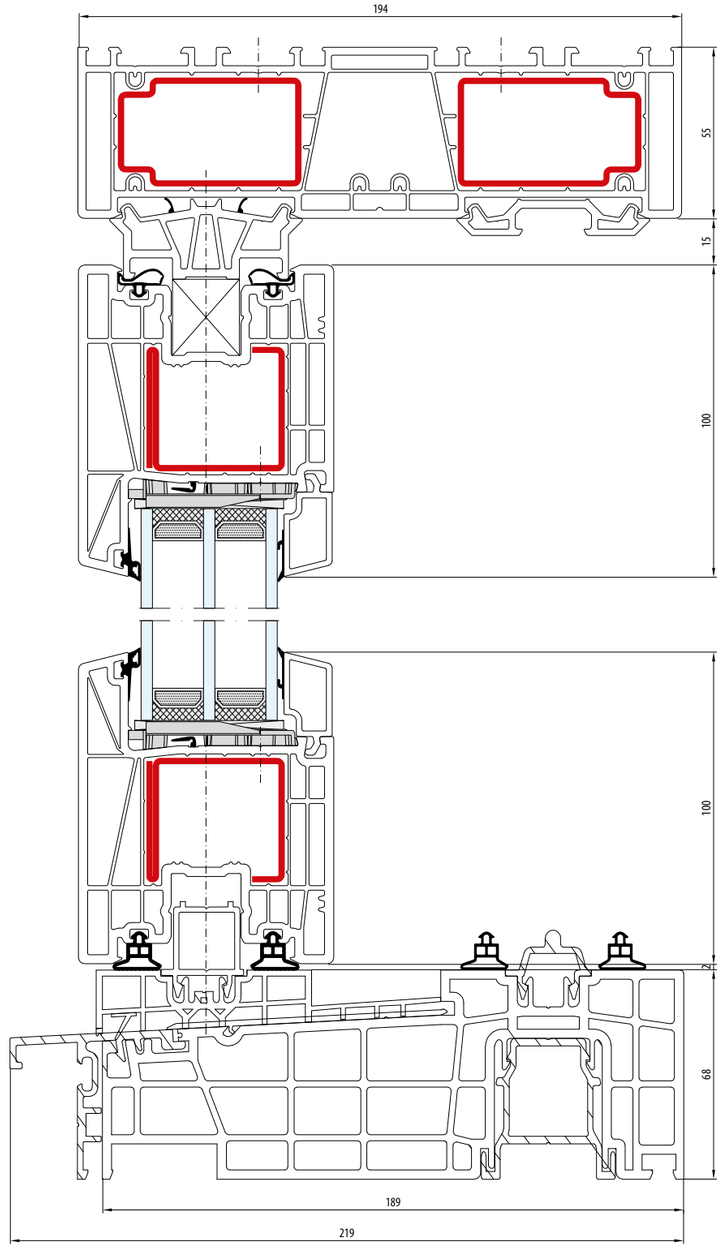
EVOLUTIONDRIVE 82

CL

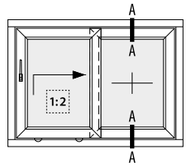
SL

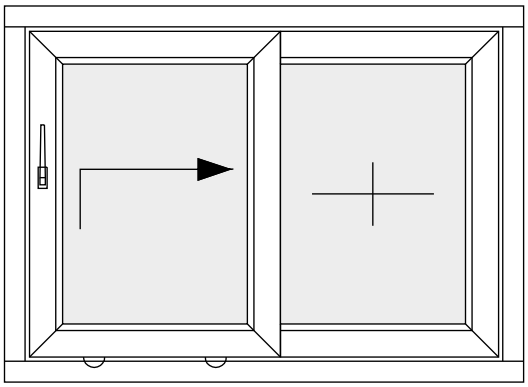
CL

RL

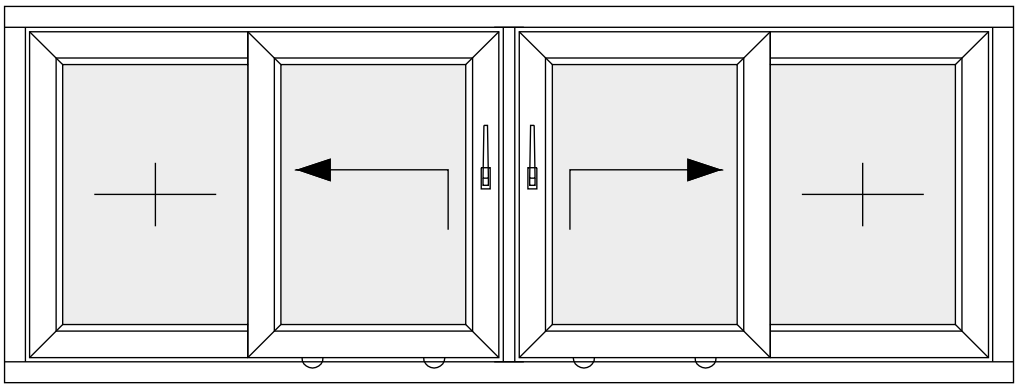



- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm

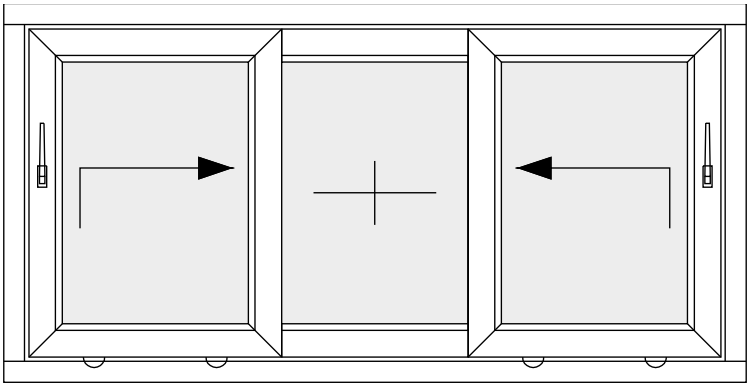




A

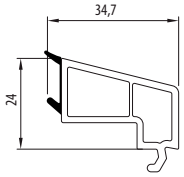
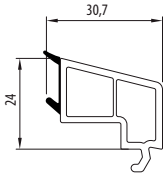
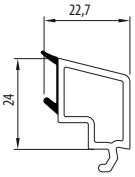
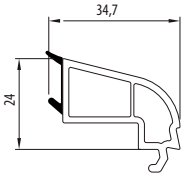
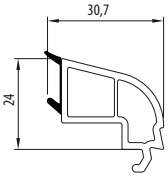
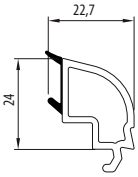


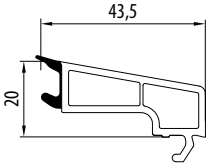
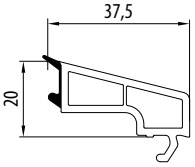
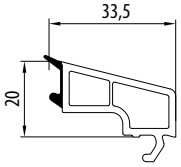
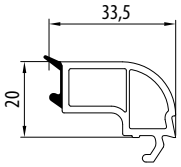
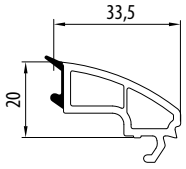
C

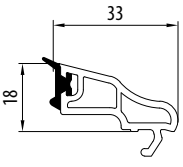
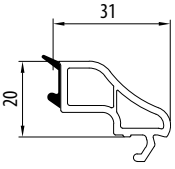


K

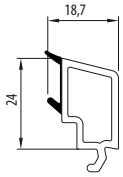
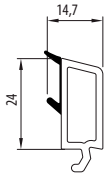
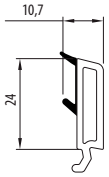
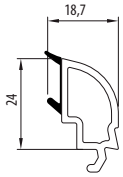
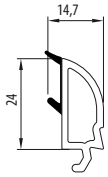
Schemat
Schéma
Schema
Schema
Schema
Schema

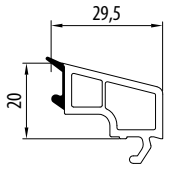
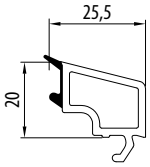
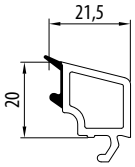
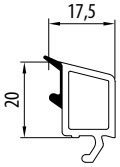
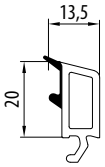
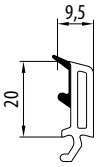
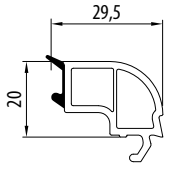
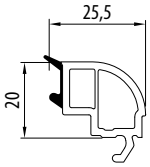
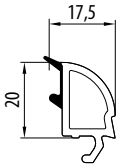
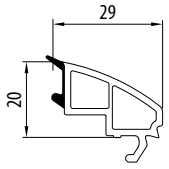
| | d [mm] | | | | |
|---|---|---|---|---|---|
| GreenEvolution Flex | 23 - 24 - 25 | | 27 - 28 - 29 | 35 - 36 - 37 | |
| CL |  413 313 | |  413 311 |  413 307 | |
| RL |  413 313 | |  413 311 |  413 307 | |

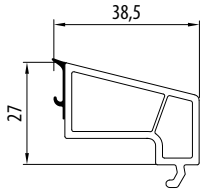
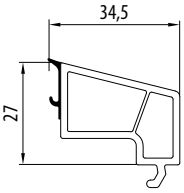
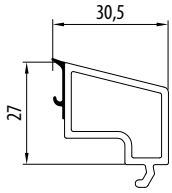
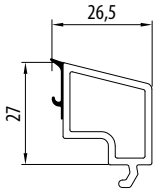
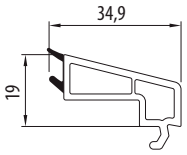
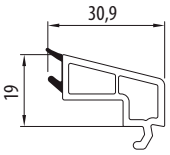
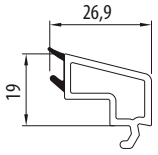
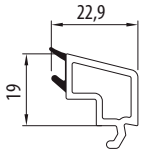
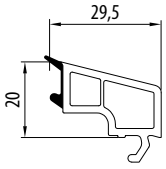
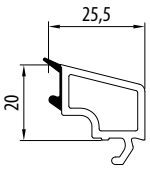
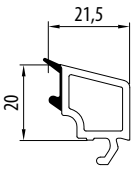
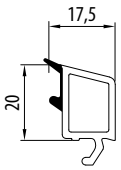
| | | | | | |
|---|---|---|---|---|---|
| BluEvolution 92 | 25 - 26 | 27 - 28 - 29 | 31 - 32 - 33 | 35 - 36 - 37 | |
| CL |  413 843 | |  413 837 |  413 833 | |
| RL | | | |  413 730 | |
| SL | | | |  413 735 | |

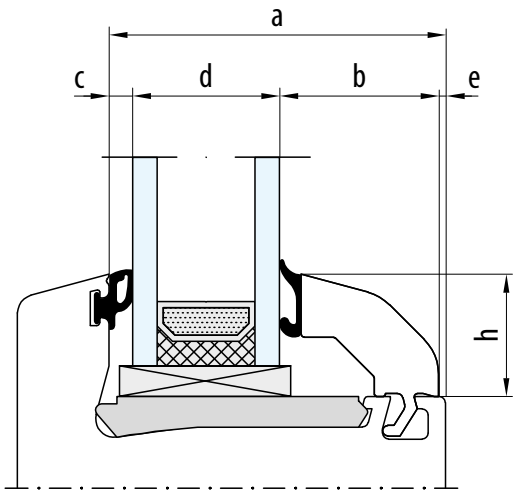
| | | | | | |
|---|---|---|---|---|---|
| BluEvolution 92 | | | | 35 - 36 | 37 - 38 - 39 |
| H | | | |  413 933 |  413 932 |

1:2

| d [mm] | | |
|---|---|---|
| 39 - 40 - 41 | 43 - 44 - 45 | 47 - 48 - 49 |
|  413 305 |  413 303 |  413 301 |
|  413 105 |  413 103 | |

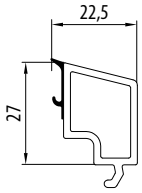
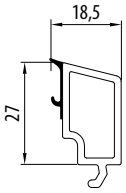
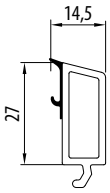
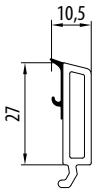
| 39 - 40 - 41 | 43 - 44 - 45 | 47 - 48 - 49 | 51 - 52 - 53 | 55 - 56 - 57 | 59 - 60 - 61 |
|---|---|---|---|---|---|
|  413 829 |  413 825 |  413 821 |  413 817 |  413 813 |  413 809 |
|  413 728 |  413 725 | |  413 717 | | |
|  413 729 | | | | | |

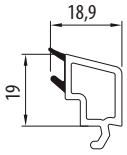
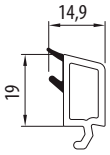
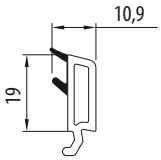
| | d [mm] | | | |
|---|---|---|---|---|
| BluEvolution 82<br>EvolutionDrive 82 | 23 - 24 - 25 | 27 - 28 - 29 | 31 - 32 - 33 | 35 - 36 - 37 |
| CL |  GP8240 |  GP8280 |  GP8320 |  GP8360 |
| | | | | |
| EvolutionDrive Plus⁺ | 23 - 24 - 25 | 27 - 28 - 29 | 31 - 32 - 33 | 35 - 36 - 37 |
| CL |  413 013 |  413 011 |  413 009 |  413 007 |
| | | | | |
| EvolutionDrive SF | 3 - 4 - 5 | 7 - 8 - 9 | 11 - 12 - 13 | 15 - 16 - 17 |
| CL |  413 829 |  413 825 |  413 821 |  413 817 |

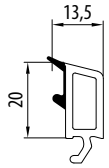
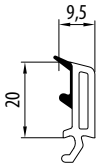



**b = a - c - d - e**

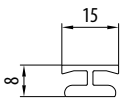
1:2

| d [mm] | | | |
|---|---|---|---|
| 39 - 40 - 41 | 43 - 44 - 45 | 47 - 48 - 49 | 51 - 52 - 53 |
|  GP8400 |  GP8440 |  GP8480 |  GP8520 |

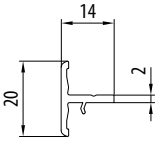
| 39 - 40 - 41 | 43 - 44 - 45 | 47 - 48 - 49 | |
|---|---|---|---|
|  413 005 |  413 003 |  413 001 | |

| 19 - 20 - 21 | 23 - 24 - 25 | |
|---|---|---|
|  413 813 |  413 809 | |

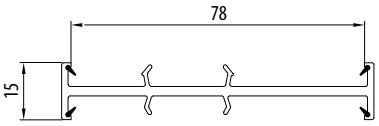
| | a [mm] | c [mm] | e [mm] |
|---|---|---|---|
| GreenEvolution Flex | 62 | 3,5 | 1 |
| BluEvolution 82 | 66 | 4 | 0,5 |
| BluEvolution 92 | 74 | 4 | 1,5 |
| EvolutionDrive SF | 40 | 4 | 1,5 |
| EvolutionDrive Plus+ | 62 | 3,5 | 1 |
| EvolutionDrive 82 | 67 | 4 | 0,5 |



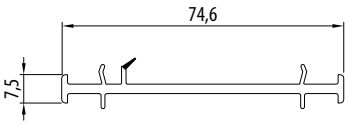

406 255



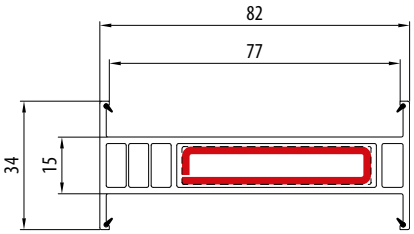

NP0190




416 260

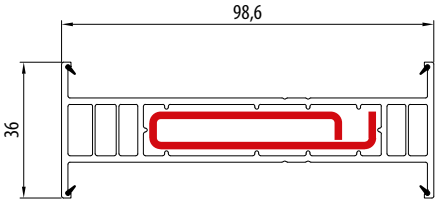



NP8110



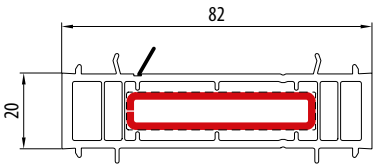

416 273

| | | | | |
|---|---|---|---|---|
| | 2,0 | 405015-074 | Ix 0,3 | Iy 5,2 |
| | 10 | 405125-000 | Ix 0,4 | Iy 10,4 |



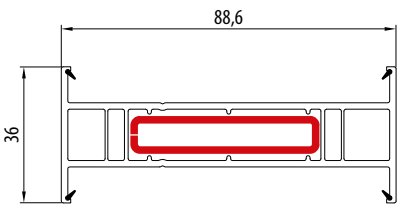

476 273

| | | | | |
|---|---|---|---|---|
| | 2,0 | 415173-074 | Ix 0,3 | Iy 8,2 |



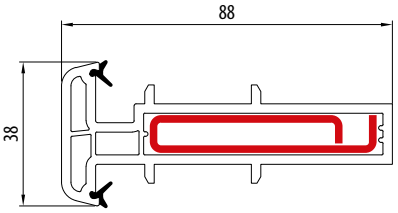

NP8120

| | | | | |
|---|---|---|---|---|
| | 2,0 | 405015-074 | Ix 0,3 | Iy 5,2 |
| | 10 | 405125-000 | Ix 0,4 | Iy 10,4 |



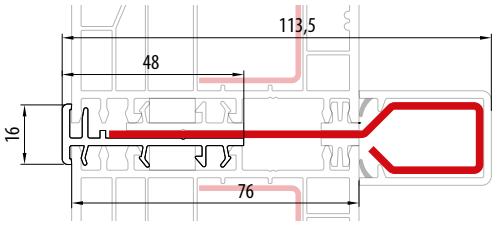

NP8170

| | | | | |
|---|---|---|---|---|
| | 2,0 | 405015-074 | Ix 0,3 | Iy 5,2 |



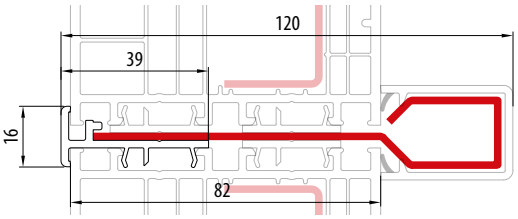

416 272

| | | | | |
|---|---|---|---|---|
| | 2,0 | 415173-074 | Ix 0,3 | Iy 8,2 |



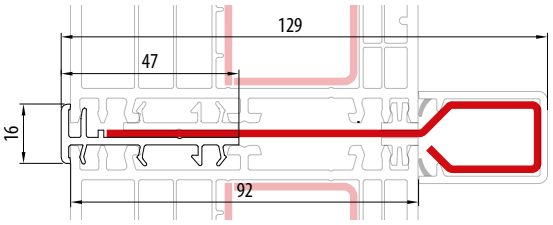

416 264

| | | | | |
|---|---|---|---|---|
| | 2,0 | VS0140-074 | Ix 0,8 | Iy 26,2 |




NP8140

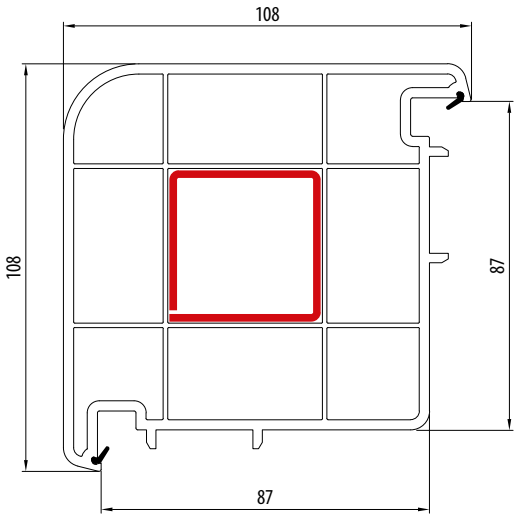
| | | | | |
|---|---|---|---|---|
| | 2,0 | VS8140 | Ix 0,8 | Iy 34,0 |




416 264

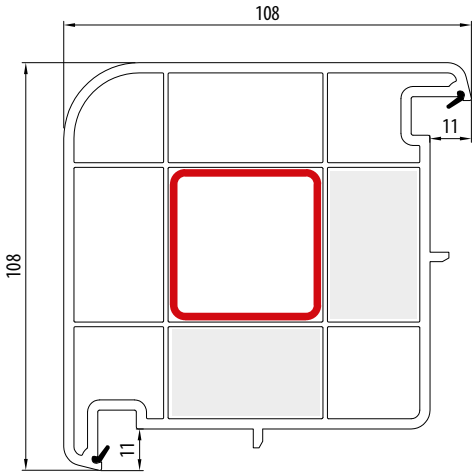
| | | | | |
|---|---|---|---|---|
| | 2,0 | 415167-074 | Ix 0,8 | Iy 40,3 |





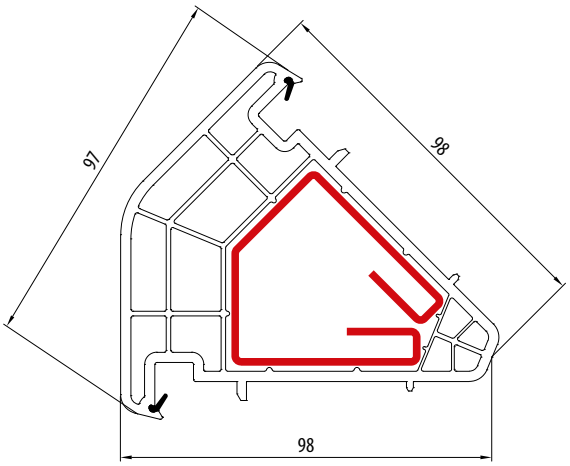

416 210

2,0 | 405060-074 | Ix 7,1 | Iy 7,1



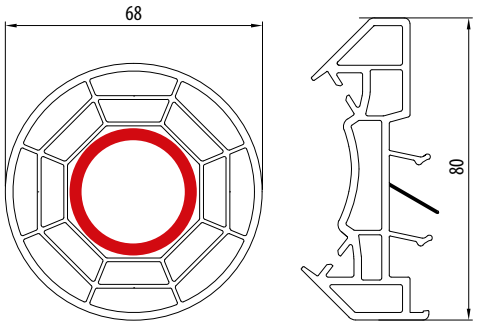

NP0100

2,0 | 415040-074 | Ix 7,1 | Iy 7,1



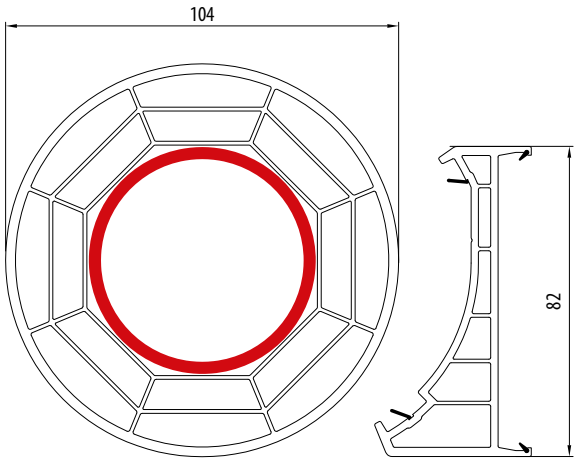

416 240

2,0 | 415140 | Ix 10,2 | Iy 12,9



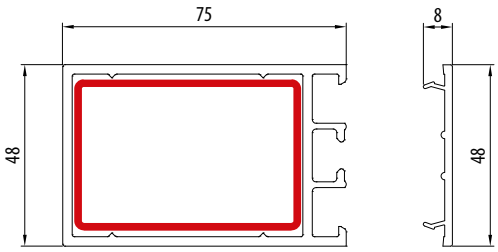

NP0160 | 416 251

3,2 | 415016 | Ix 3,6 | Iy 3,6




NP8160 | NP8150

3,0 | VS8160 | Ix 21,8 | Iy 21,8

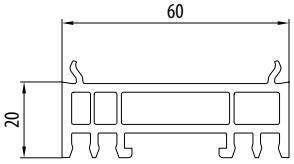



416 269 | 416 311

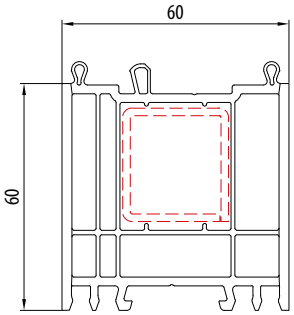
2,0 | AR4630 | Ix 18,5 | Iy 9,8



1:2

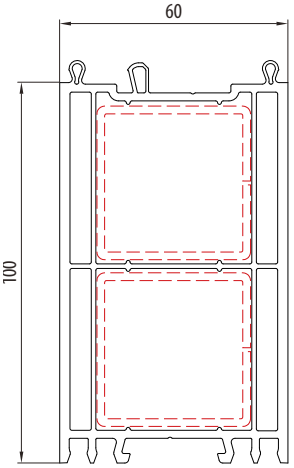



416 157



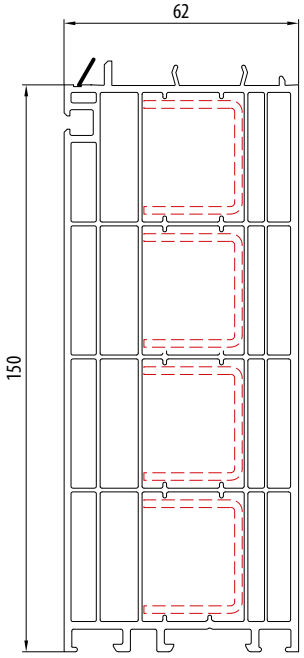

416 168

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | 415028-073 | Ix 1,9 | Iy 2,1 |



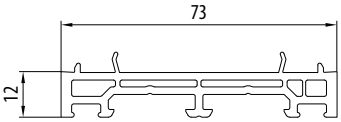

406 177

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 405060-074 x 2 | Ix 14,4 | Iy 14,2 |

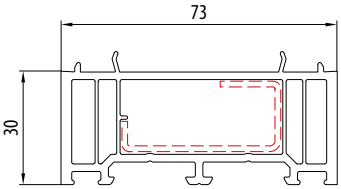



NP8280

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | VS8020-074 x 4 | Ix 9,0 | Iy 4,2 |

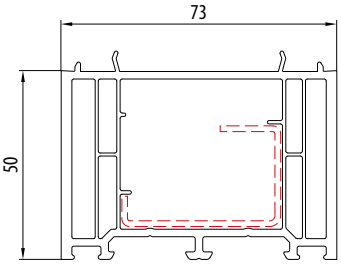



NP1120



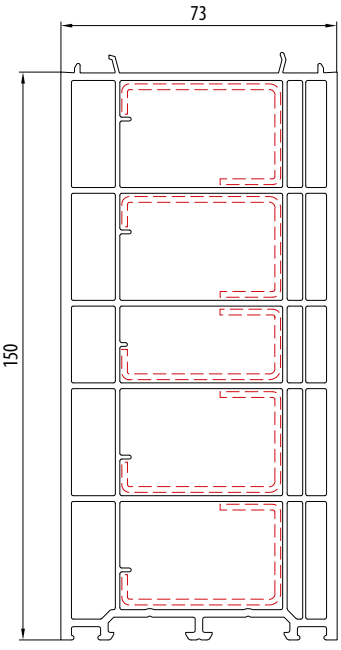

NP1350

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | VS1010-073 | Ix 0,5 | Iy 2,3 |




NP1550

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | VS1020-073 | Ix 1,3 | Iy 2,6 |

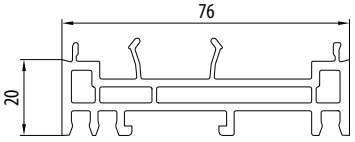



NP3300

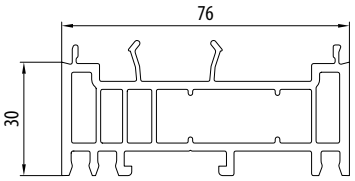
| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5<br>1,5 | VS1020-073 x 4<br>+ VS1010-073 | Ix 5,8 | Iy 12,7 |



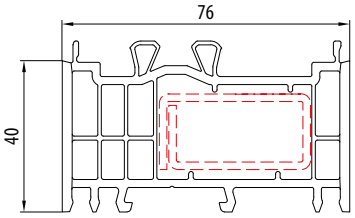
1:2




416 160

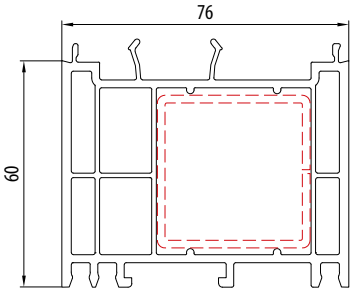



416 163



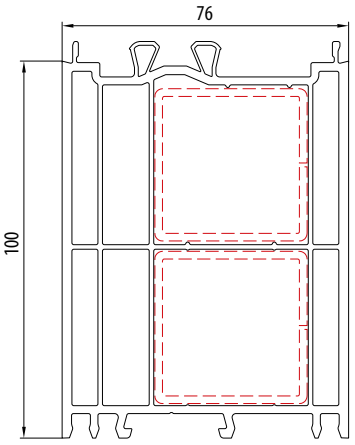

416 167

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 415020 | Ix 1,4 | Iy 4,9 |



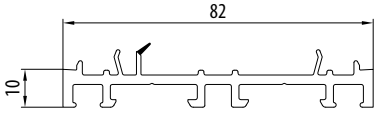

416 170

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 405060-074 | Ix 7,2 | Iy 71 |

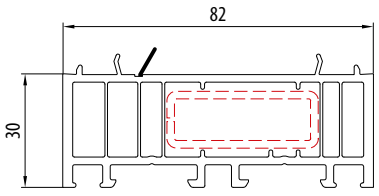



416 177

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 405060-074 x 2 | Ix 14,4 | Iy 14,2 |

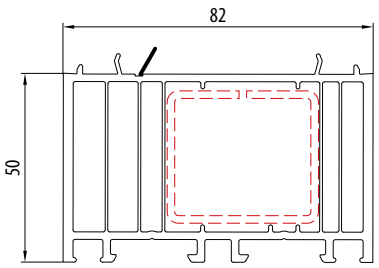



NP8200



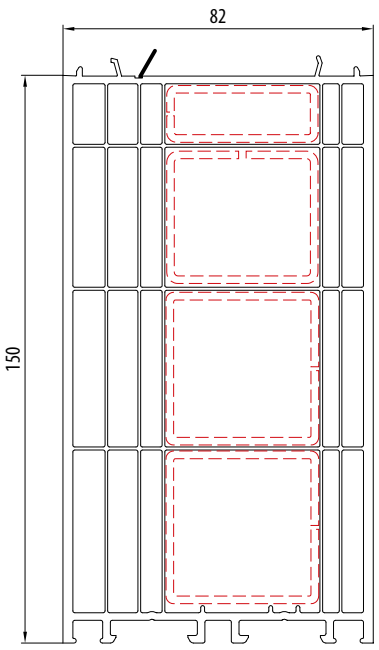

NP8300

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | VS4020-074 | Ix 0,7 | Iy 3,4 |



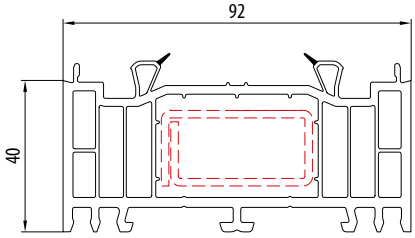

NP8500

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5 | VS3030 | Ix 3,9 | Iy 4,9 |



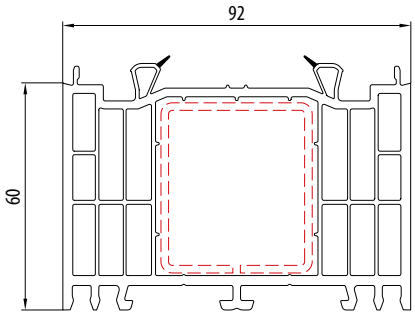

NP8700

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 1,5<br>1,5<br>2,0 | VS4020<br>+ VS3030<br>+ 415040 x 2 | Ix 20,0 | Iy 21,5 |




476 164

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 415020 | Ix 1,4 | Iy 4,9 |

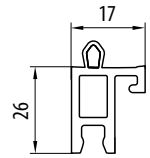



476 170

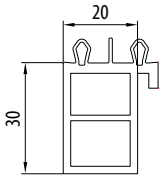
| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 215130 | Ix 7,7 | Iy 9,1 |



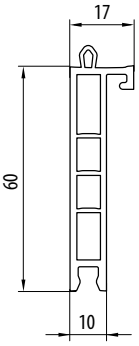
1:2



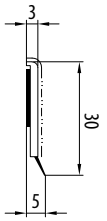

416 148



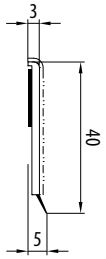

416 139



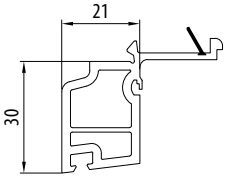

416 147



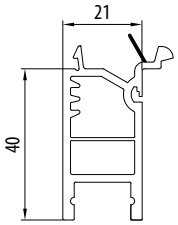

406 312



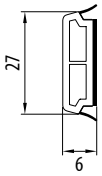

406 315



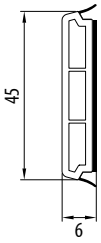

416 133



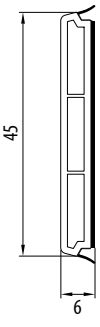

416 142



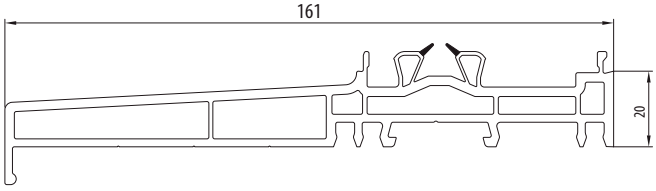

406 302



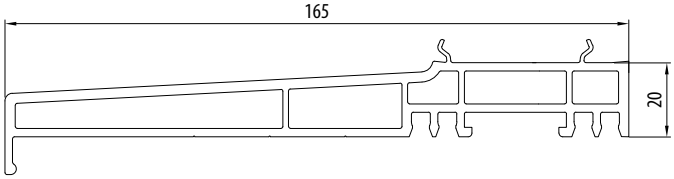

416 304



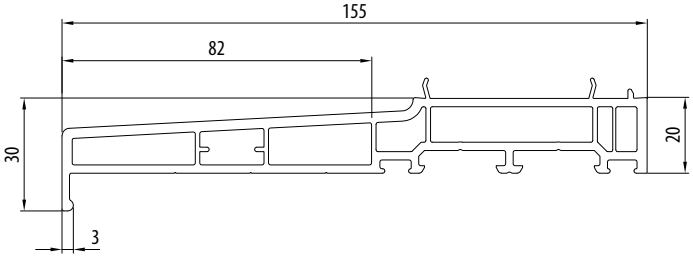

416 306



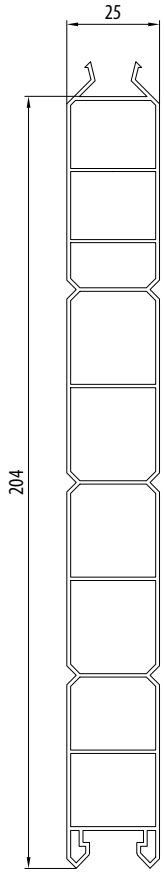

416 112



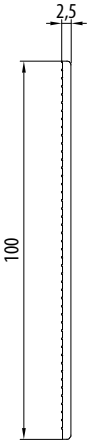

416 115



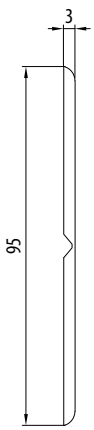

NP0820



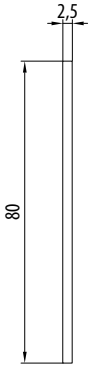

406 670



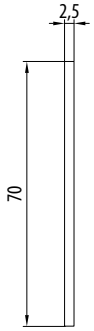

65025100



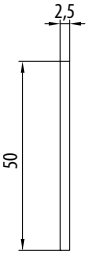

6465050



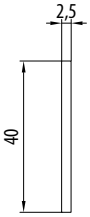

65025080



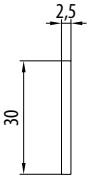

65025070



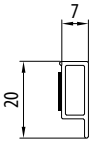

65025050



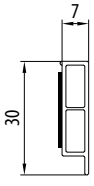

65025040



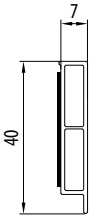

65025030



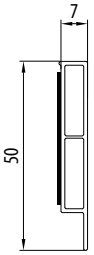

640726



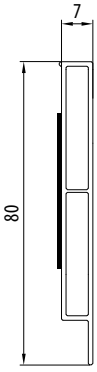

640736




640746

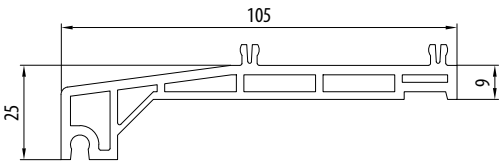



640756

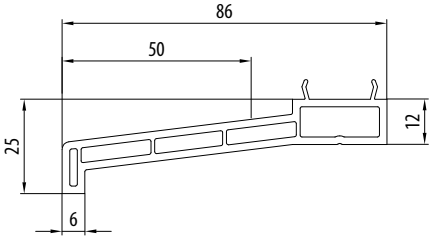



650780

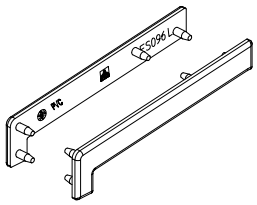
1:2



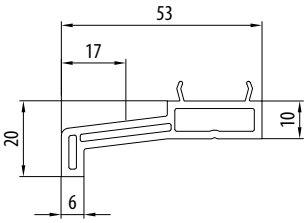

406 115



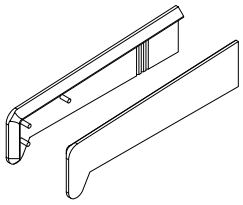

NP0960



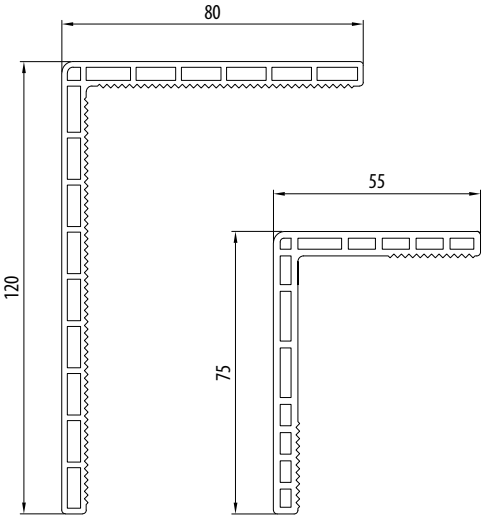
ES0960




NP0770

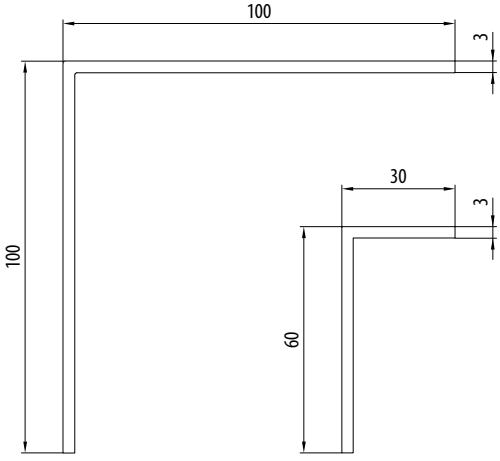


417 115



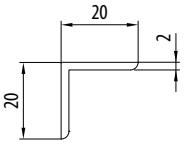

406 329

406 325

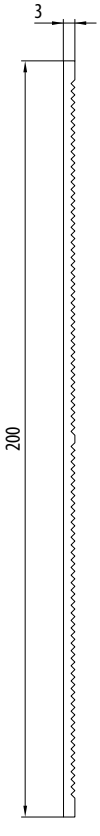



406 321

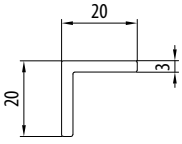
406 320



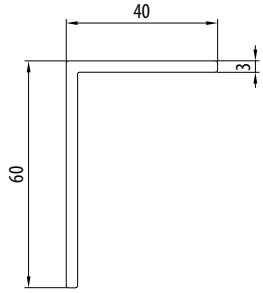

406 319



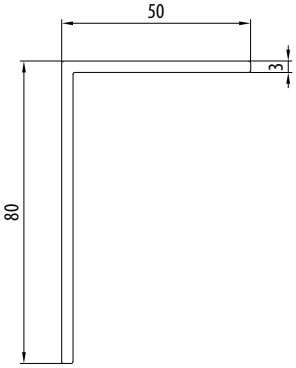

406 316



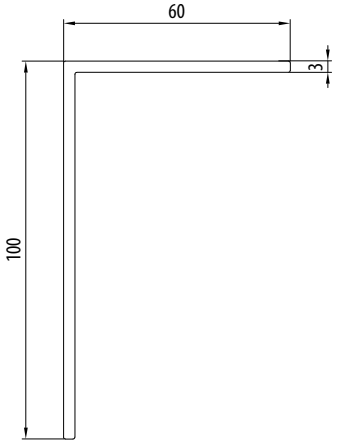

73020020




73060040




73080050




73100060



1:2

MENU

MENU

# ECO SUN


IDEAL 4000


ENERGETO 8000


EASYSLIDE


IDEAL 4000 NEW


IDEAL NEO AD / MD


MULTISLIDE


IDELA 5000


ENERGETO NEO


SMARTSLIDE


IDEAL 7000 NEW


MONOBLOCK


HST 85


IDEAL 7000 NL


NORDLINE


IDEAL 8000


IDEAL 70 /4000
CASEMANT

ALUPLAST


GREENEVOLUTION FLEX


EKOSUN 6


GEALAN S8000


BLUEVOLUTION 82


EKOSUN 6 NL


SYSTEM


BLUEVOLUTION 92

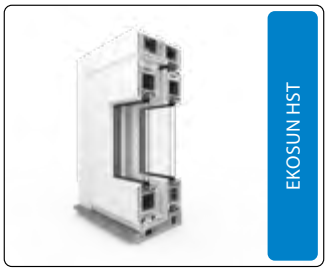

EKOSUN 7

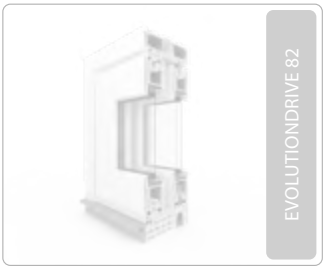

GEALAN HST


EVOLUTIONDRIVE SF


EKOSUN 70


EVOLUTIONDRIVE PLUS+


EKOSUN HST


EVOLUTIONDRIVE 82

SALAMANDER

EKOSUN

GEALAN

3

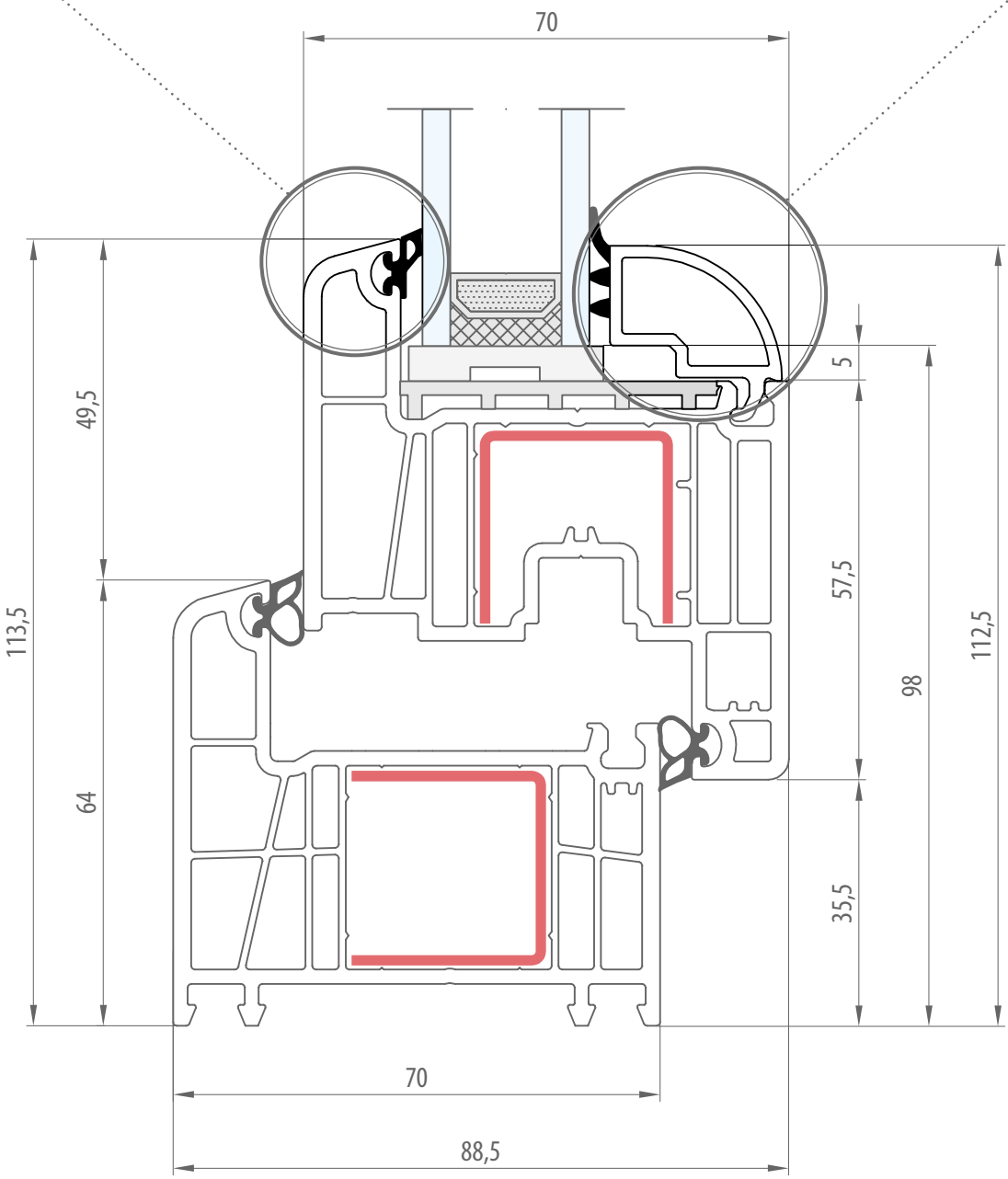
SL
CL

5

4

SL
CL
RL

6

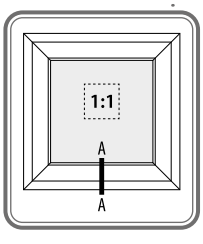



2

- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kozijn: 65 mm · Vleugel: 77 mm

7

8



# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen

**1**
- Nazwa systemu
- Nom du système
- Name of a system
- System
- Nome del sistema
- Systeem naam

**2**
- Numery profili
- Numéros de profil
- Number of profiles
- Nummern der Profile
- Numeri dei profili
- Systeem naam

**3**
- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant

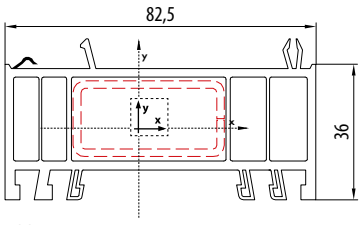
**4**
- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant

**5**
- Wykończenie zewnętrzne skrzydła
- Finition extérieure des l'ouvrant
- Finished of an external sash
- Ausführung der Innenseite es Flügels
- Finitura esterna dell'anta
- Buitenafwerking van de vleugel

**6**
- Wykończenie listwy przyszybowej
- Finition de la parclose
- Finished of a glazing bead
- Ausführung der Glasleiste
- Finitura del fermavetro
- Afwerking van glaslatten

**7**
- Opis rysunku - szerokość profili
- Description du dessin
- Description of a drawing
- Beschreibung der Zeichnung
- Descrizione del disegno
- Tekening beschrijving - profielbreedte

**8**
- Miejsce i skala przekroju
- Endroit et échelle de la coupe
- Place and scale of the cross-section
- Stelle und Skala des Querschnitts
- Luogo e scala della sezione
- Plaats en schaal van de doorsnede




12345

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 12345 | Ix 1,4 | Iy 4,1 |
| Wzmocnienie | Grubość | Kod | Moment bezwładności [cm⁴] | |
| Renforcement | Épaisseur | Code | Moment d'inertie [cm⁴] | |
| Reinforcement | Thickness | Code | Moment of inertia [cm⁴] | |
| Verstärkung | Stärke | Code | Flächenträgheitsmoment [cm⁴] | |
| Rinforzo | Spessore | Codice | Momento di inerzia [cm⁴] | |
| Versterking | Dikte | Code | Traagheidsmoment [cm⁴] | |

Przedstawiono wzmocnienia standardowe dla konstrukcji w kolorze białym o wymiarach referencyjnych.

Les renforts standard pour une structure de couleur blanche de dimension de référence ont été présentés.

Standard reinforcements for white constructions with reference dimensions are presented

Es wurden standard Verstärkungen bei weißen Elementen mit Referenzmassen dargestellt

Sono stati presentati i rinforzi standard delle costruzioni di colore bianco con dimensioni di riferimento.

Standaard verstevigingen worden gepresenteerd voor de constructie in het wit met referentiematen

# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen



- Ilość komór
- Nombre de chambres
- Number of chambers
- Anzahl Kammern
- Quantita' di camere
- Aantal kamers



- Ilość uszczelek
- Nombre de joitns
- Number of gaskets
- Anzahl Dichtungen
- Quantita' delle guarnizioni
- Aantal afdichtingen



- Głębokość zabudowy
- Profondeur de construction
- Installation depth
- Bautiefe
- Profondita' di montaggio
- Inbouwdiepte




- Max grubość wypełnienia
- Épaisseur max du vitrage
- Max filing thickness
- Maximale Stärke der Verglasung
- Massimo spessore del riempimento
- Maximale dikte van de vulling



- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant



- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant



- Rodzaj zgrzewu
- Type de soudure
- Welding type
- Art der Schweißnaht
- Tipo di saldatura
- Type van lassen




- Możliwość zamówienia profilu w klasie A
- Possibilité de commander le profilé de classe A
- It is possible to order a profile in A class
- Auch als A-Klasse-Profil erhältlich
- Possibilita' di ordinare il profilo di classe A
- Mogelijkheid om A-klasseprofiel te bestellen



- Okucie okienne
- Ferrage de fenêtre
- Window fitting
- Fenster-Beschlag
- Ferramenta di finestre
- Raambeslag



- Okucie drzwiowe
- Ferrage de porte
- Door fitting
- Tür-Beschlag
- Ferramenta di porte
- Deurbeslag




- Technologia szyby wklejanej
- Technologie de vitrage collé
- Bonded glass technology
- Glas verklebt
- Tecnologia del vetro incollato
- Technologie van gelijmd glas




- Nakładki aluminiowe
- Capotage aluminium
- Aluminium covers
- Aluschale
- Coperture in alluminio
- Aluminium afdekkingen




Qube-line




Classic-line



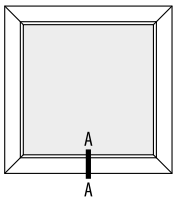

Soft-line



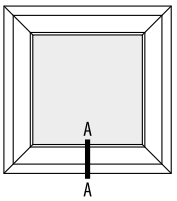

Round-line



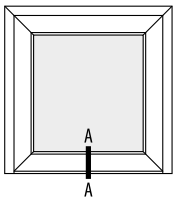

History-line



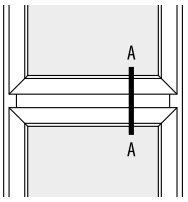

Okno ze stałym szkleniem
Fenêtre fixe
Window with a fixed glazing
Festverglasung
Finestre fisse
Raam met permanente beglazing



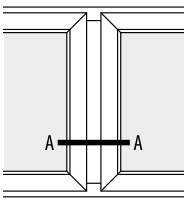

Rama - skrzydło
Dormant - Ouvrant
Frame - Sash
Rahmen - Flügel
Telaio - Anta
Kader - vleugel



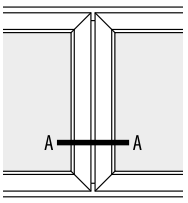

Próg - skrzydło
Seuil - Ouvrant
Threshold - Sash
Schwelle - Flügel
Soglia - Anta
Dorpel - vleugel



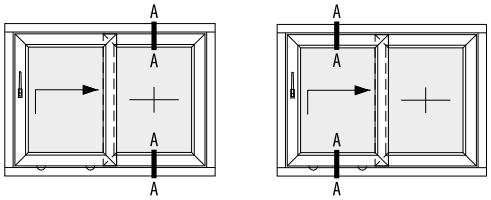

Poprzeczka
Traverse
Muntin bar
Kämpfer
Traverso
Tussenstijl



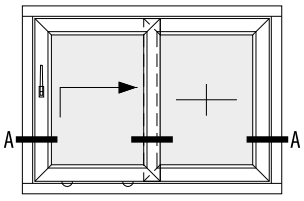

Słupek stały
Meneau fixe
Fixed post
Fester Pfosten
Montante fisso
Vaste stijl




Słupek ruchomy
Meneau mobile
Moveable post
Stulp
Montante mobile
Verplaatsbare stijl



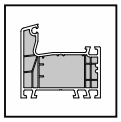

Schemat A - przekrój pionowy
Schéma A – coupe verticale
Scheme A – vertical intersection
Schema A – Senkrechter Querschnitt
Schema A – intersezione verticale
Schema A - verticale doorsnede




Schemat A - przekrój poziomy
Schéma A - coupe horizontale
Scheme A – horizontal intersection
Schema A – Waagerechter Querschnitt
Schema A – intersezione orizzontale
Schema A - horizontale doorsnede

# EKOSUN 70

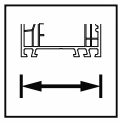




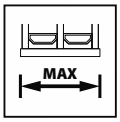
6



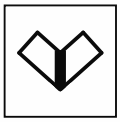
2



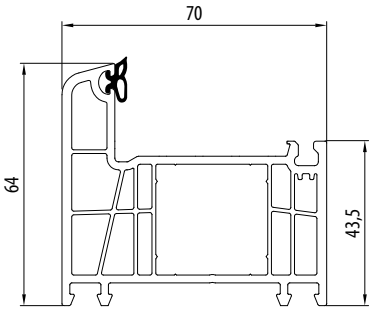
70



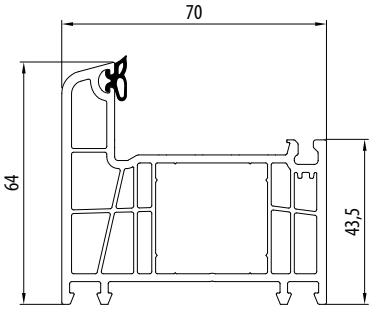

45



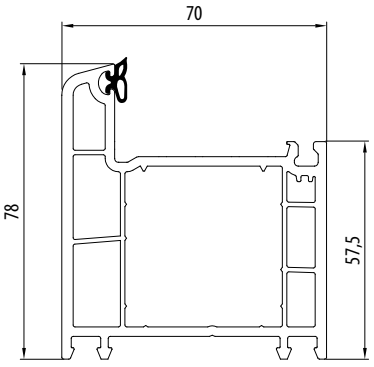




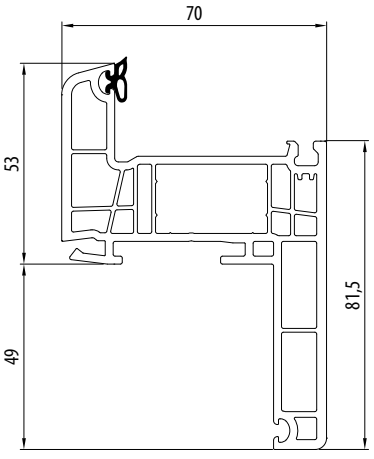

CL 7110



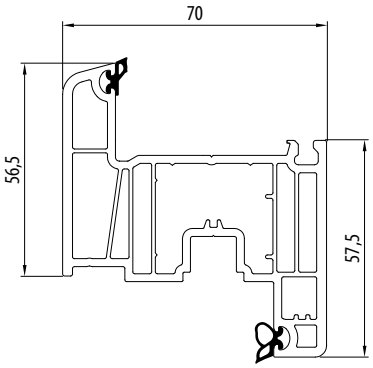

CL A* CLASS 7111



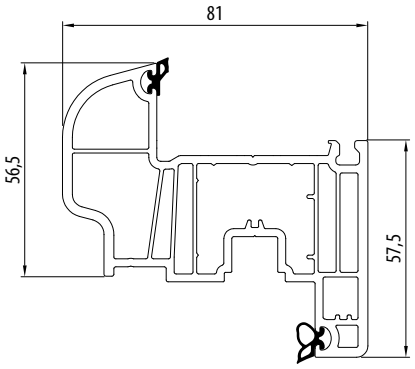

CL 7112



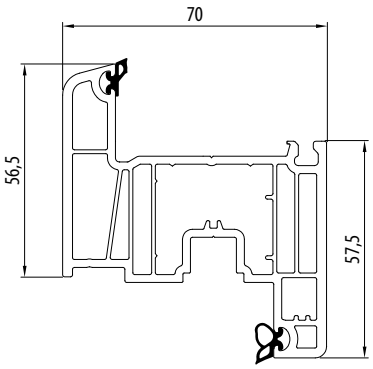

CL 7113



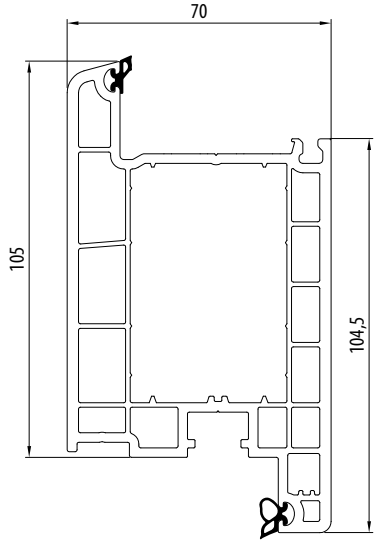

CL 7120



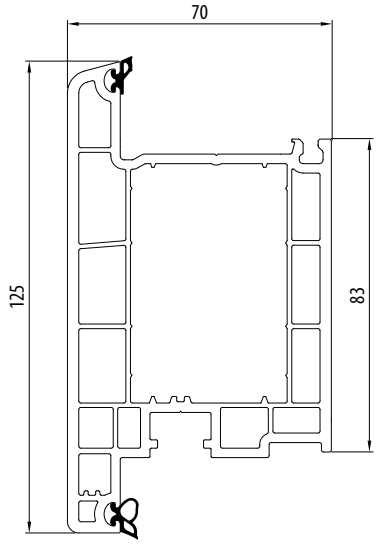

RL 7121




CL A* CLASS 7122

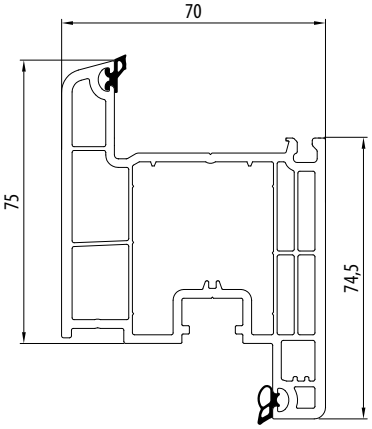



CL 7124

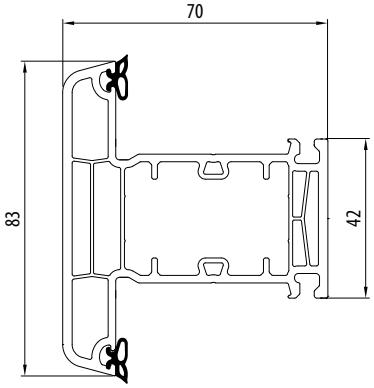



CL 7125

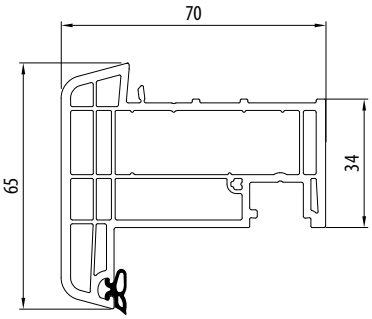
1:2



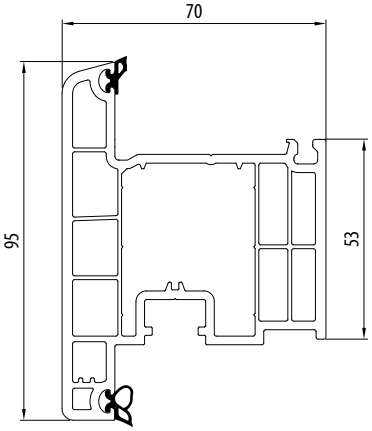

7126



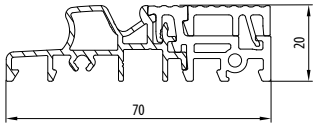

7230




7232




7127

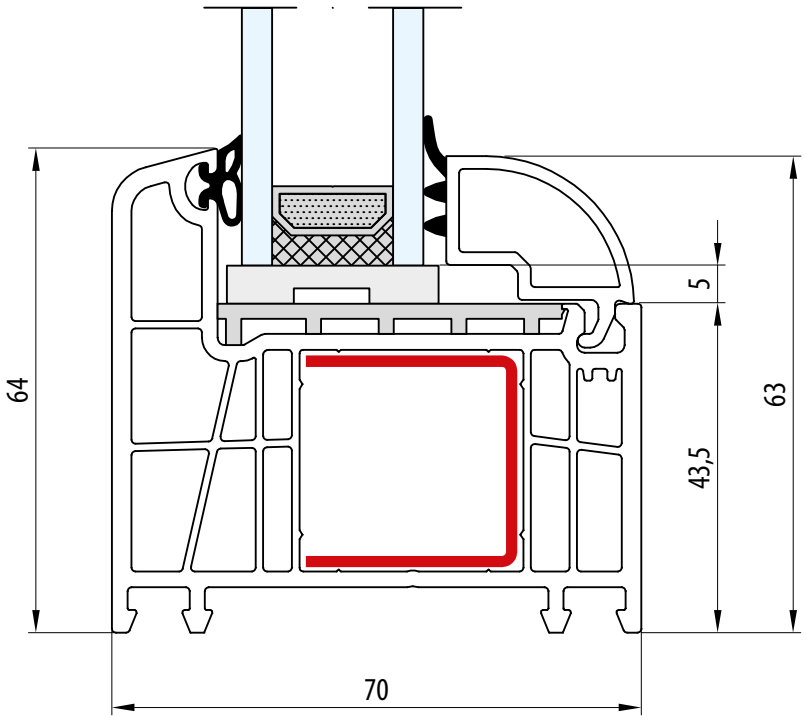



alu 20 mm

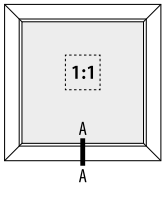
1:2

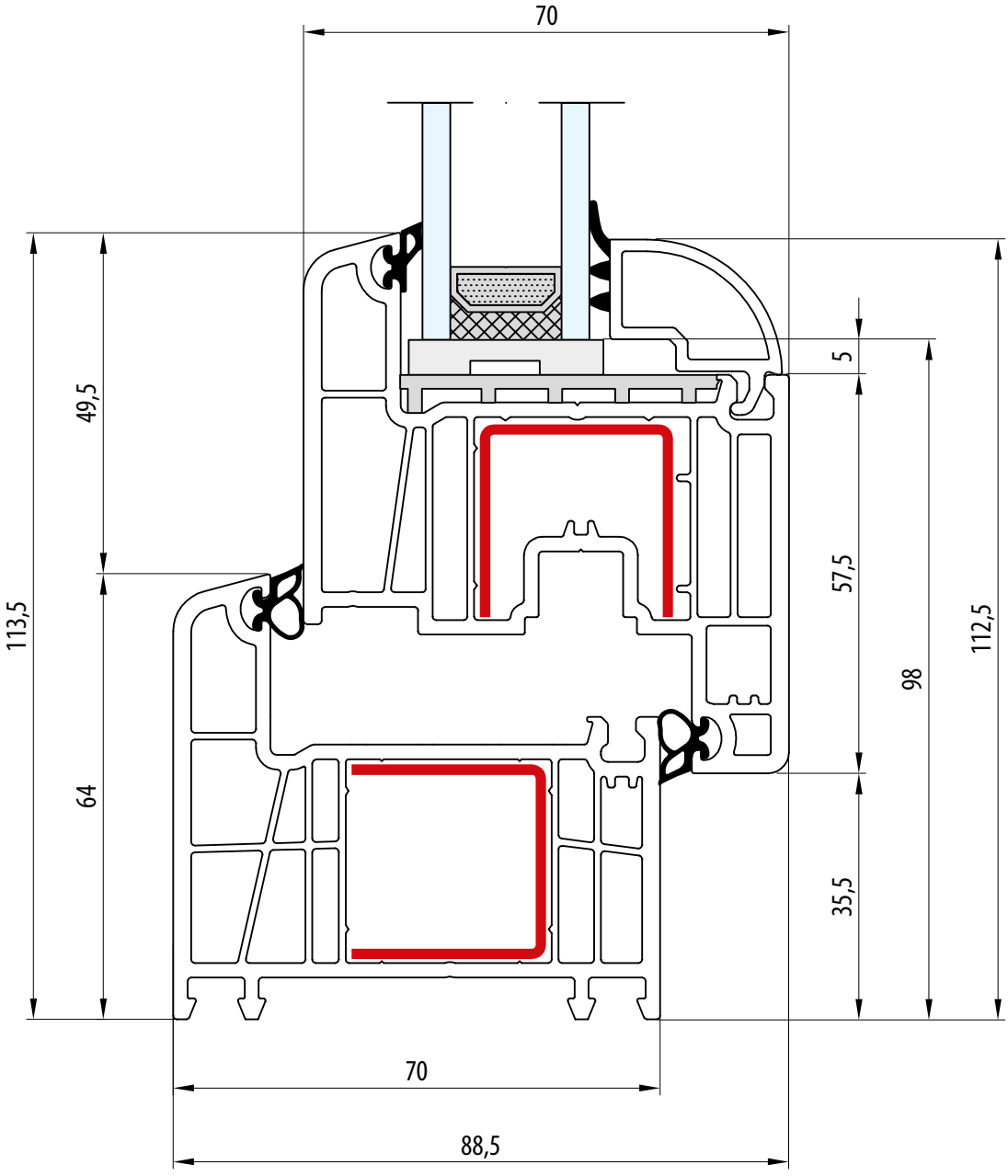
CL

CL
RL

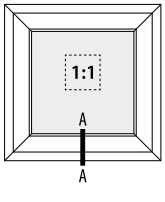



- Rama: 64 mm
- Dormant: 64 mm
- Frame: 64 mm
- Rahmen: 64 mm
- Telaio: 64 mm
- Kader: 64 mm



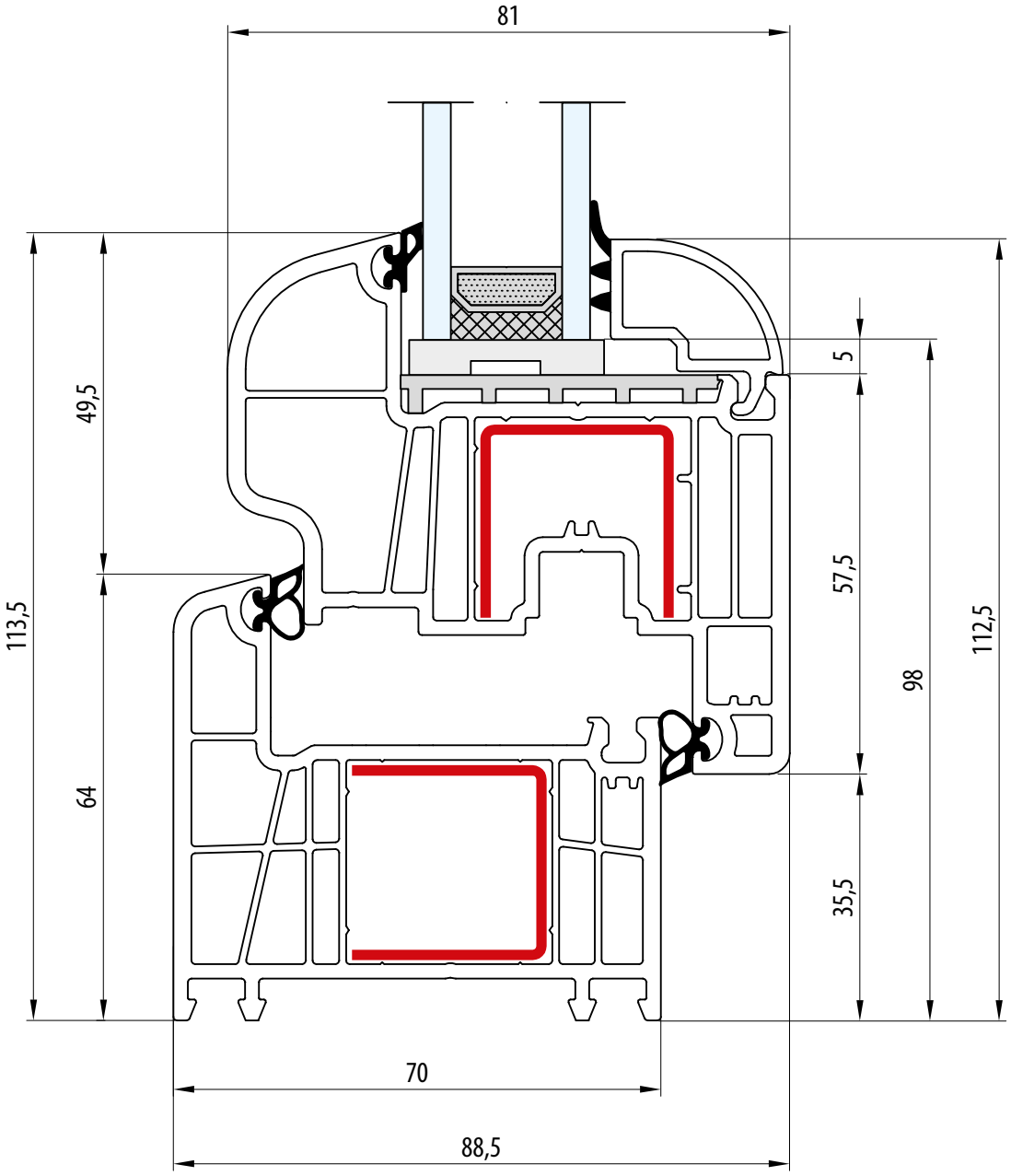



- Rama: 64 mm · Skrzydło: 77 mm
- Dormant: 64 mm · Vantail: 77 mm
- Frame: 64 mm · Sash: 77 mm
- Rahmen: 64 mm · Flügel: 77 mm
- Telaio: 64 mm · Anta: 77 mm
- Kader: 64 mm · Vleugel: 77 mm

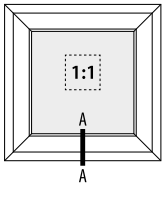


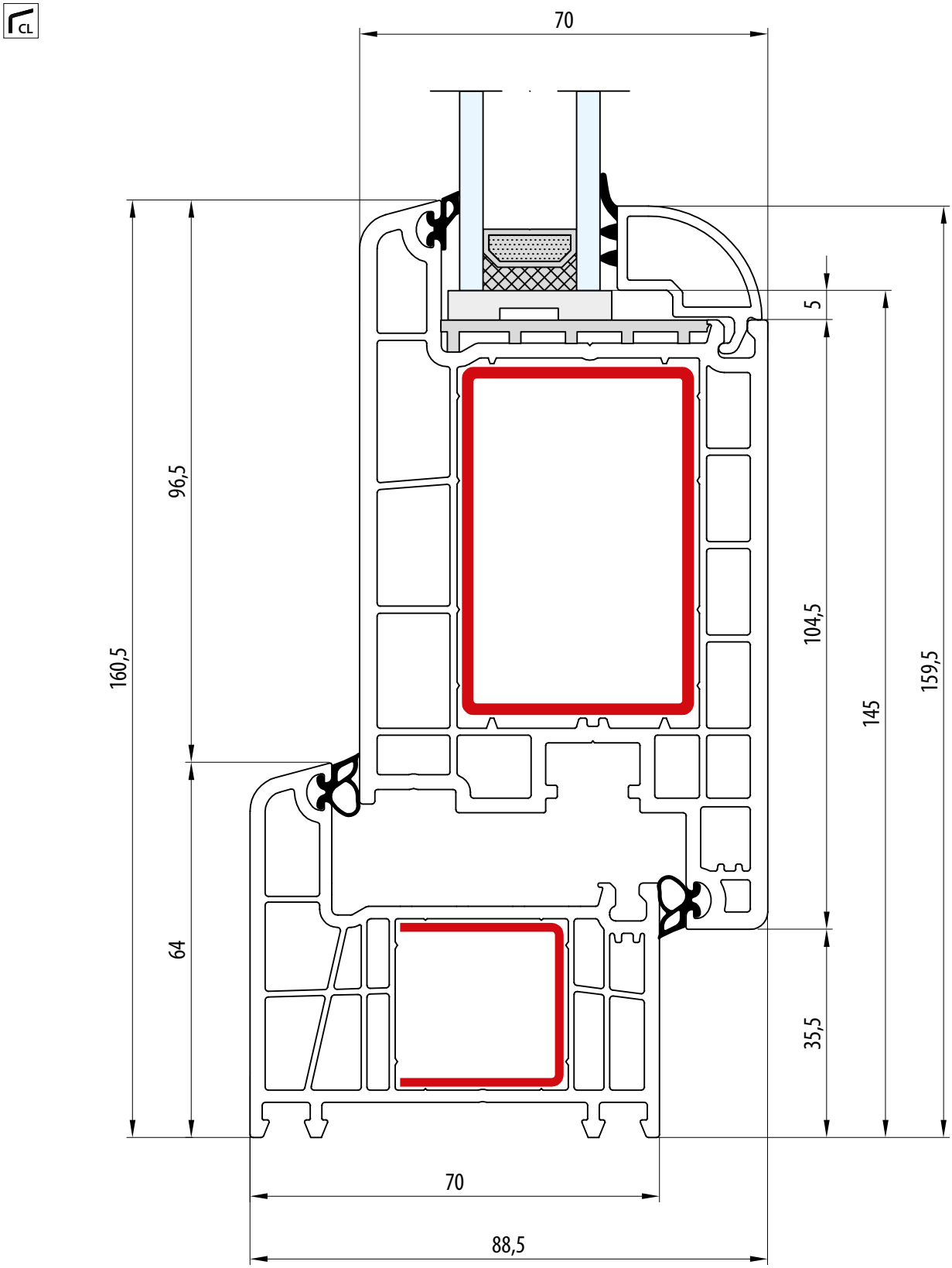
RL

CL
RL

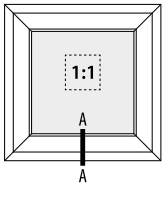


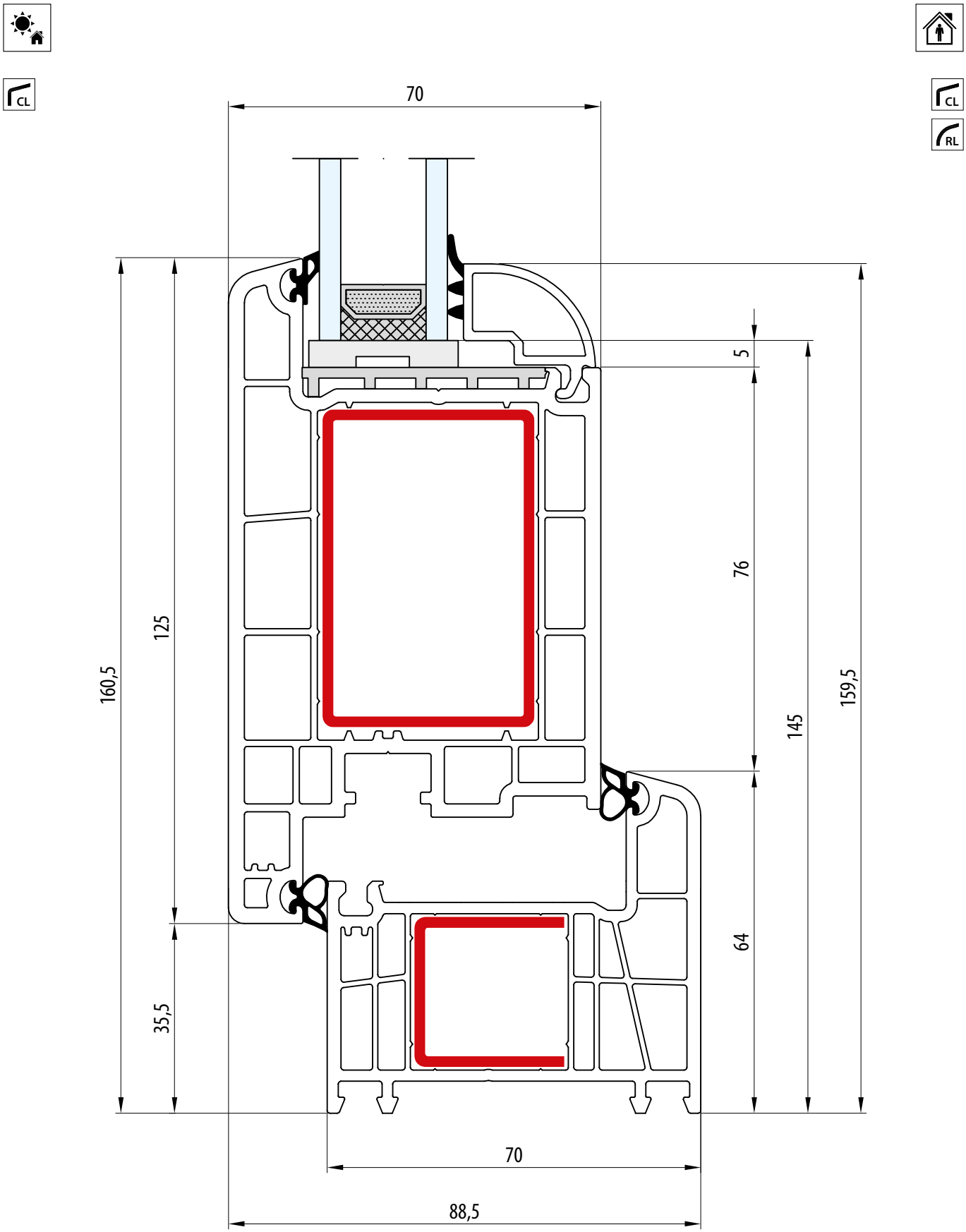

- Rama: 64 mm · Skrzydło: 77 mm
- Dormant: 64 mm · Vantail: 77 mm
- Frame: 64 mm · Sash: 77 mm
- Rahmen: 64 mm · Flügel: 77 mm
- Telaio: 64 mm · Anta: 77 mm
- Kader: 64 mm · Vleugel: 77 mm



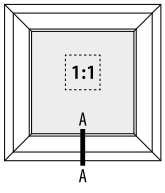


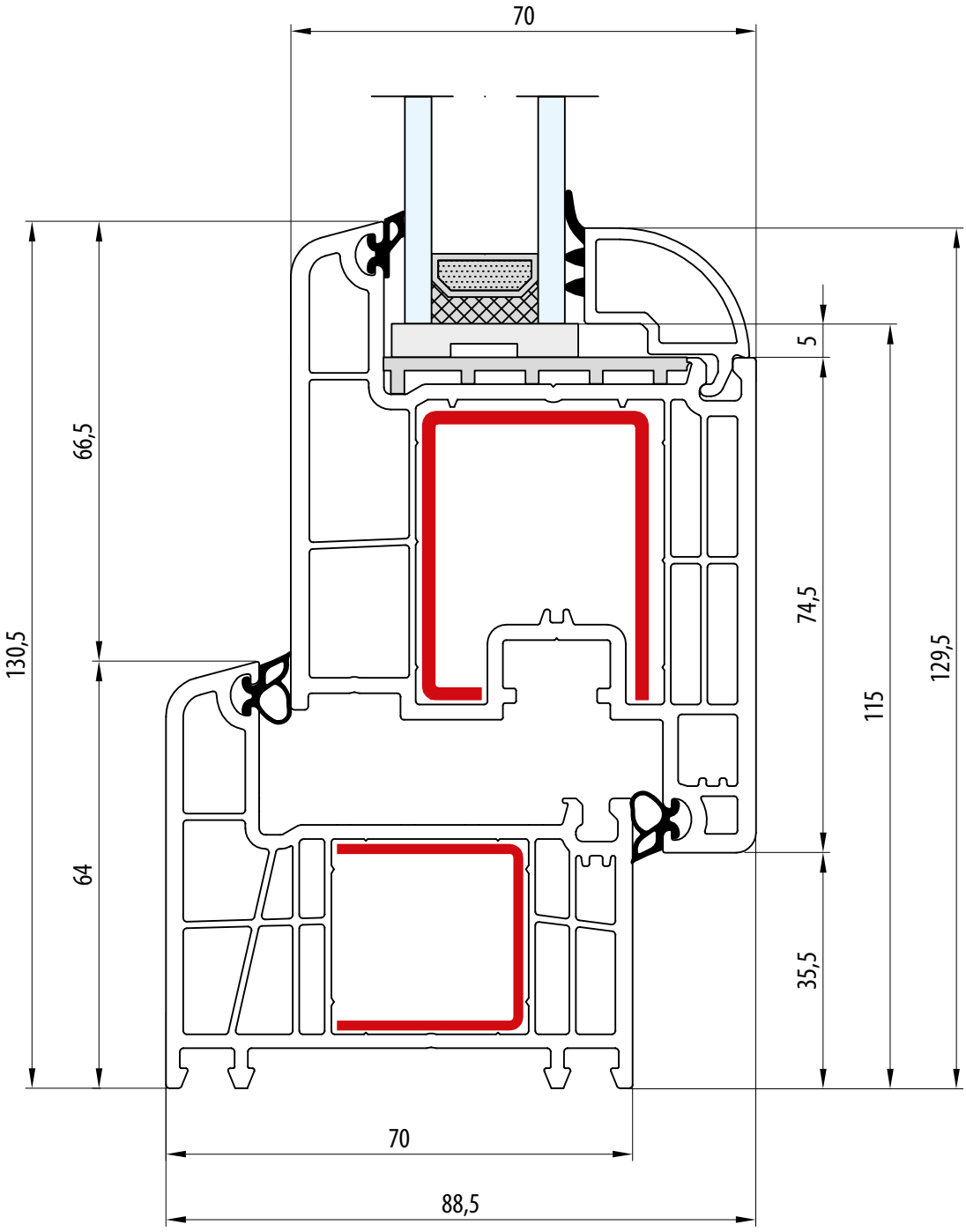

- Rama: 64 mm · Skrzydło: 125 mm
- Dormant: 64 mm · Vantail: 125 mm
- Frame: 64 mm · Sash: 125 mm
- Rahmen: 64 mm · Flügel: 125 mm
- Telaio: 64 mm · Anta: 125 mm
- Kader: 64 mm · Vleugel: 125 mm



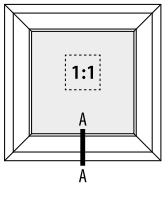


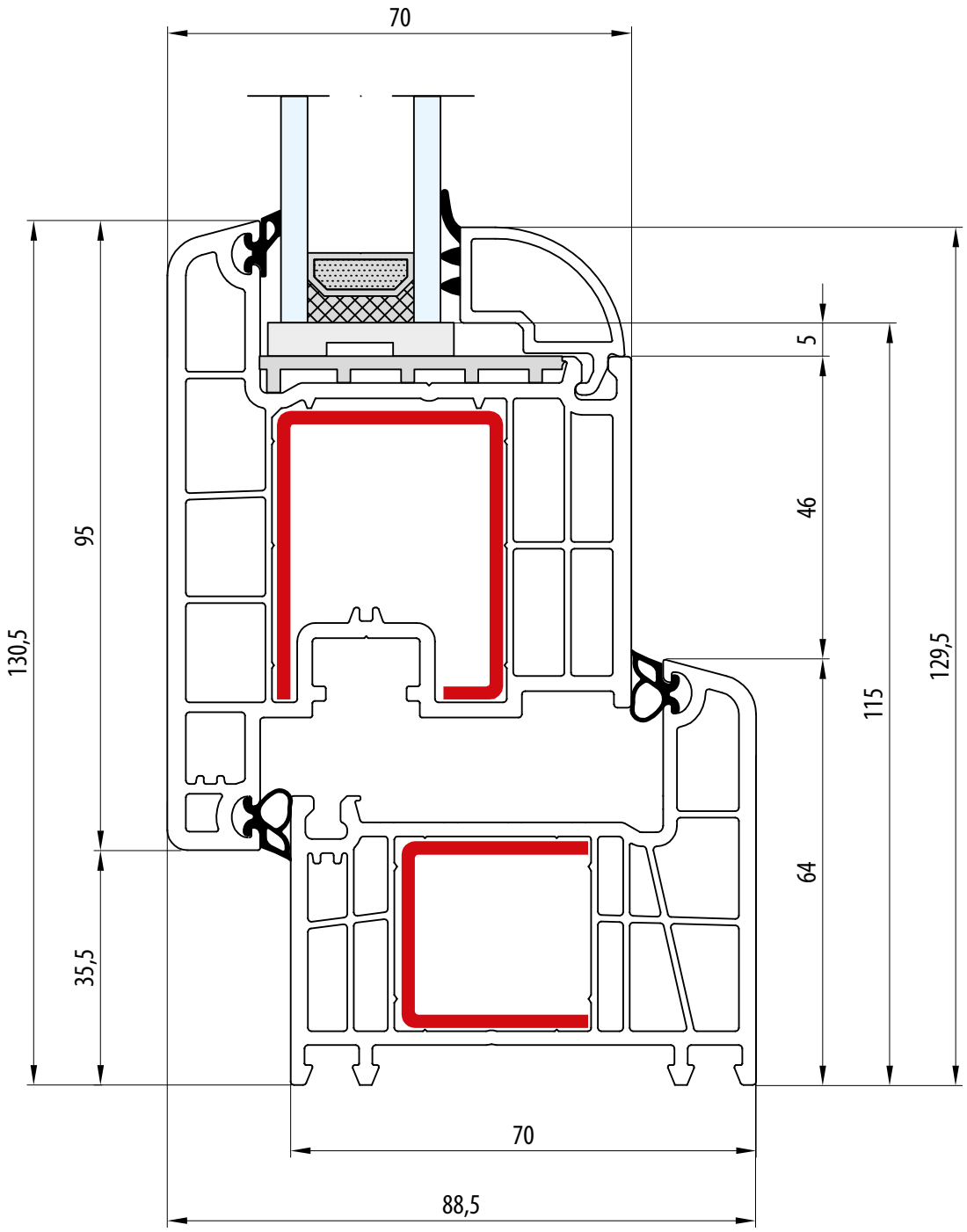

- Rama: 64 mm · Skrzydło: 125 mm
- Dormant: 64 mm · Vantail: 125 mm
- Frame: 64 mm · Sash: 125 mm
- Rahmen: 64 mm · Flügel: 125 mm
- Telaio: 64 mm · Anta: 125 mm
- Kader: 64 mm · Vleugel: 125 mm



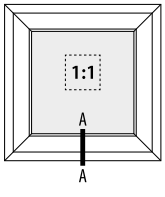


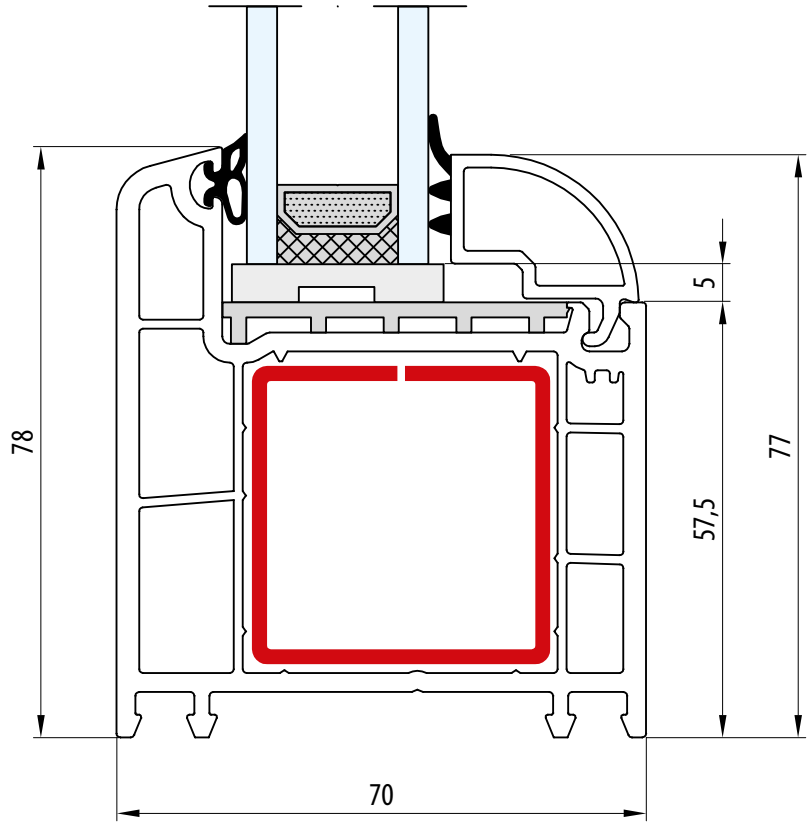

- Rama: 64 mm · Skrzydło: 95 mm
- Dormant: 64 mm · Vantail: 95 mm
- Frame: 64 mm · Sash: 95 mm
- Rahmen: 64 mm · Flügel: 95 mm
- Telaio: 64 mm · Anta: 95 mm
- Kader: 64 mm · Vleugel: 95 mm



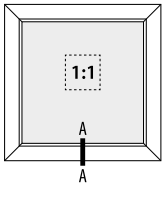



Rama: 64 mm · Skrzydło: 95 mm
Dormant: 64 mm · Vantail: 95 mm
Frame: 64 mm · Sash: 95 mm
Rahmen: 64 mm · Flügel: 95 mm
Telaio: 64 mm · Anta: 95 mm
Kader: 64 mm · Vleugel: 95 mm






Rama: 78 mm
Dormant: 78 mm
Frame: 78 mm
Rahmen: 78 mm
Telaio: 78 mm
Kader: 78 mm



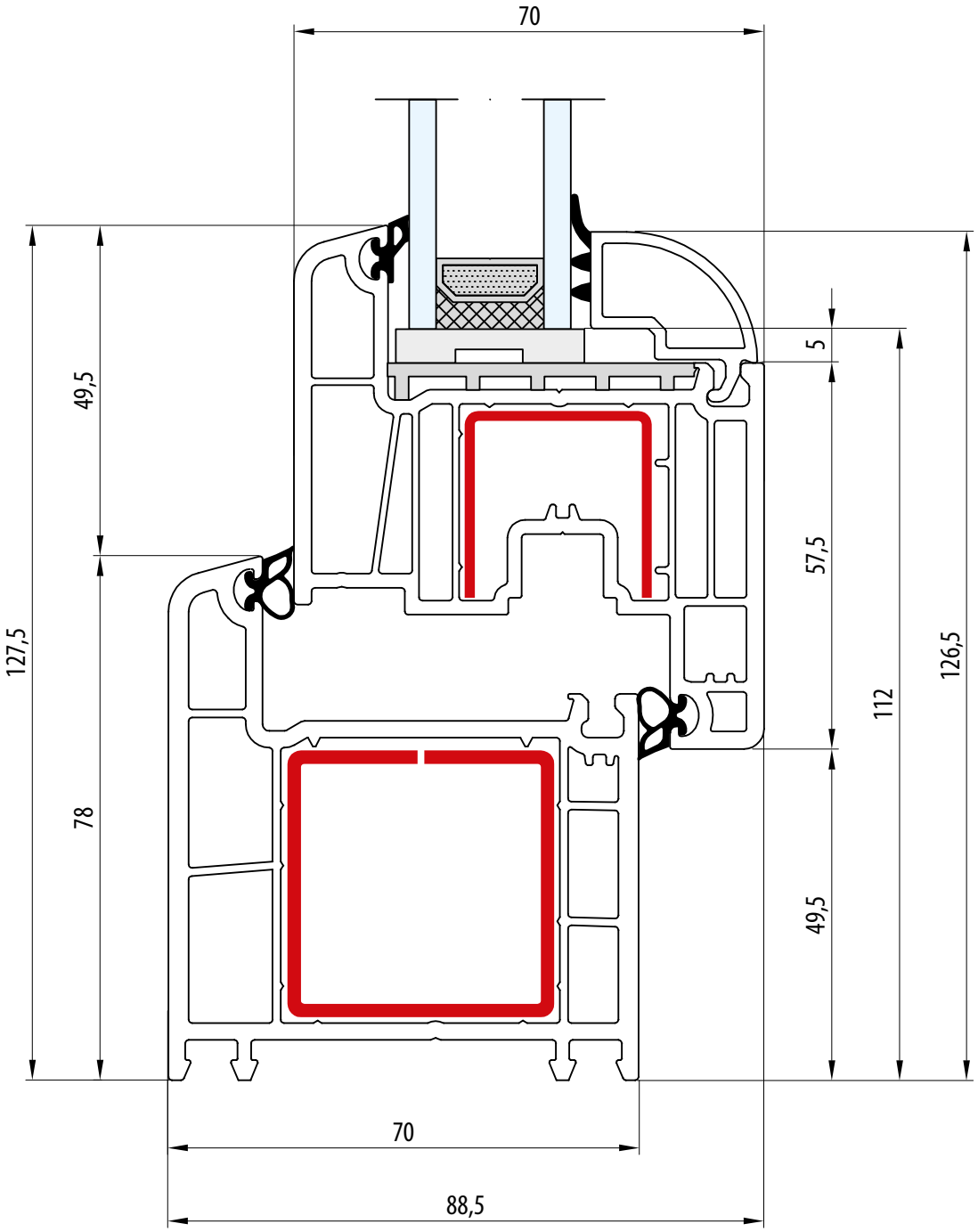




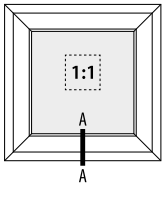


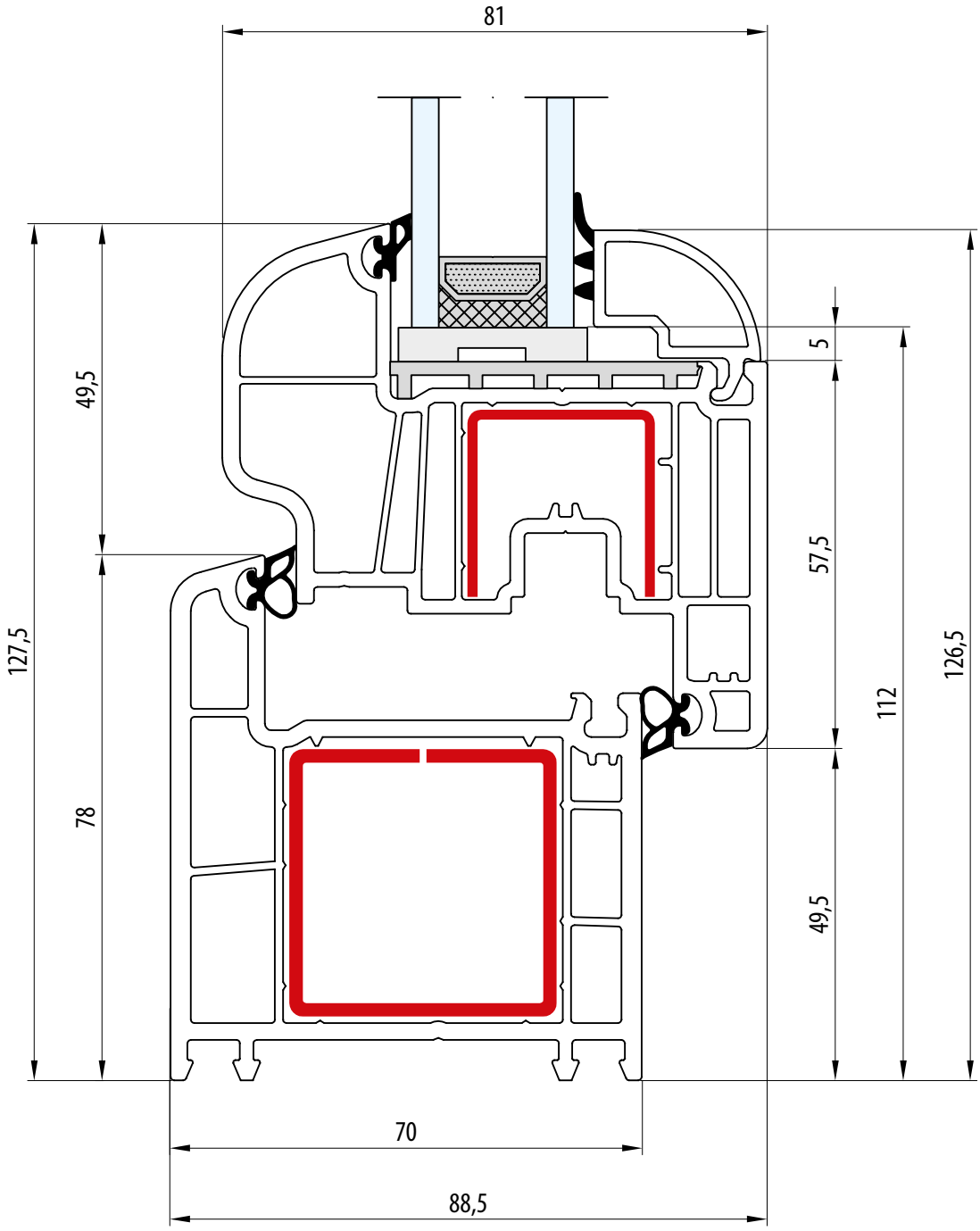




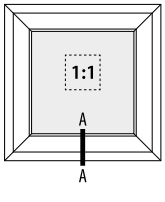


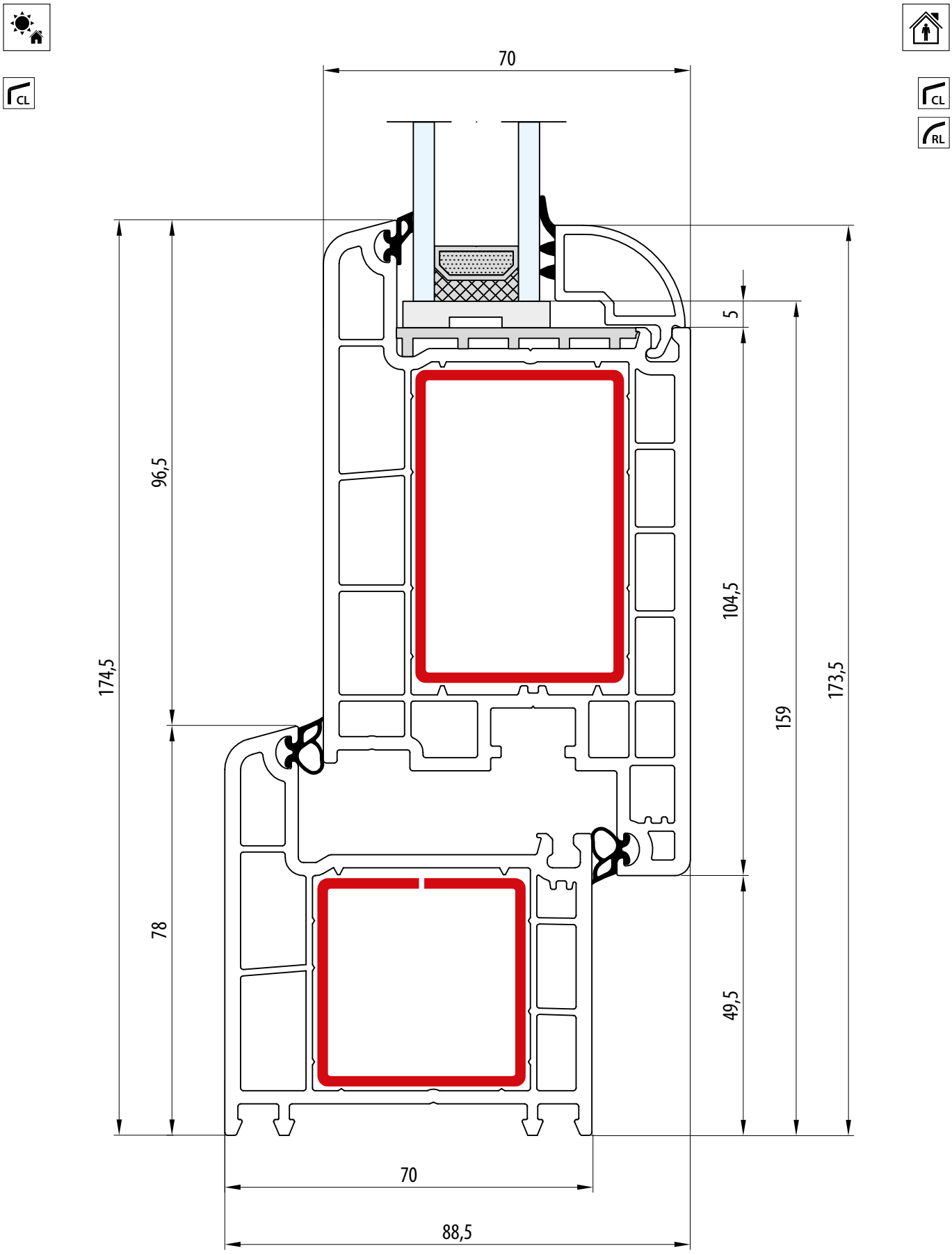

Rama: 78 mm · Skrzydło: 77 mm
Dormant: 78 mm · Vantail: 77 mm
Frame: 78 mm · Sash: 77 mm
Rahmen: 78 mm · Flügel: 77 mm
Telaio: 78 mm · Anta: 77 mm
Kader: 78 mm · Vleugel: 77 mm



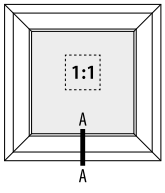


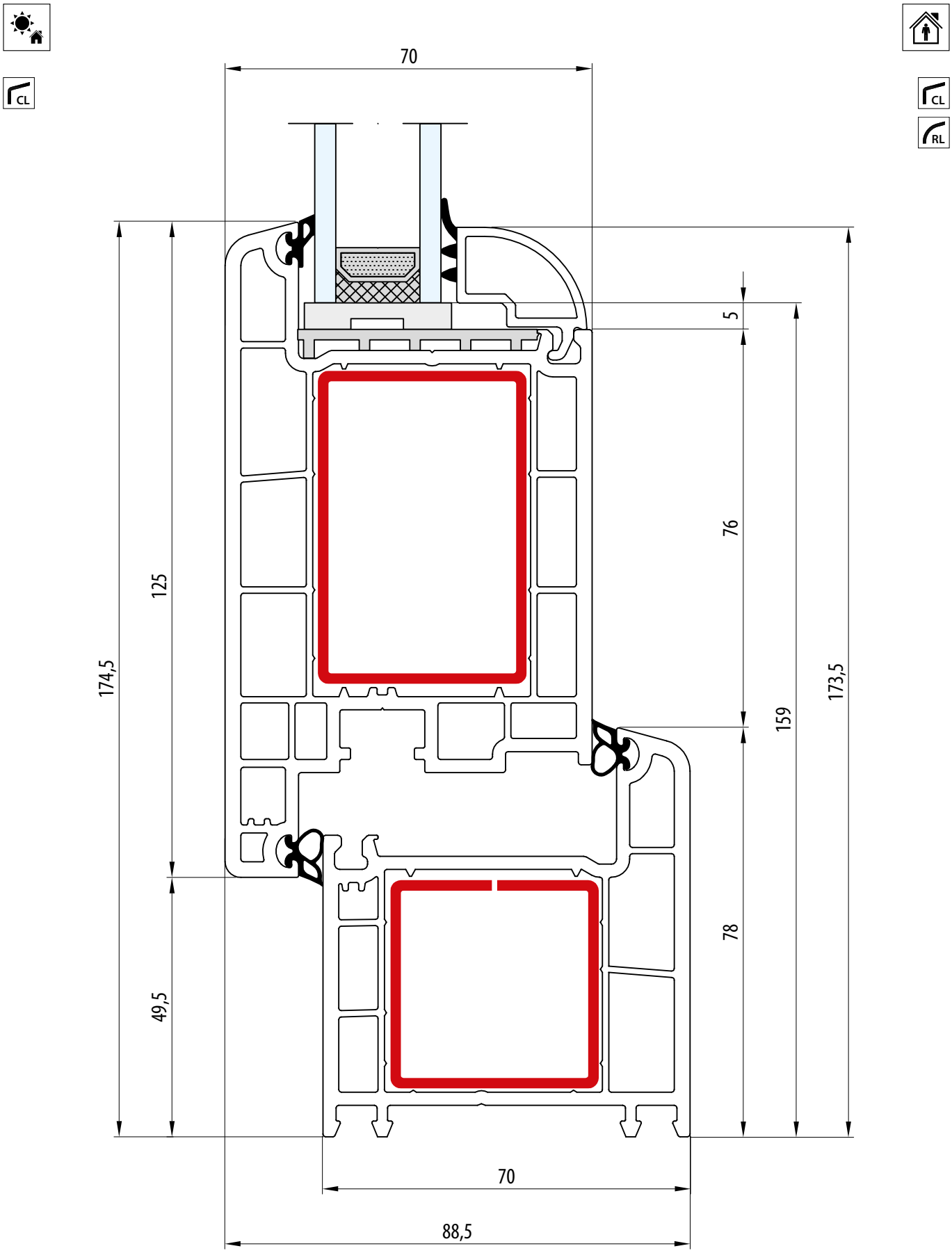

- Rama: 78 mm · Skrzydło: 77 mm
- Dormant: 78 mm · Vantail: 77 mm
- Frame: 78 mm · Sash: 77 mm
- Rahmen: 78 mm · Flügel: 77 mm
- Telaio: 78 mm · Anta: 77 mm
- Kader: 78 mm · Vleugel: 77 mm



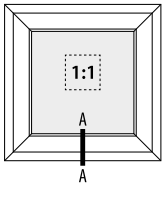


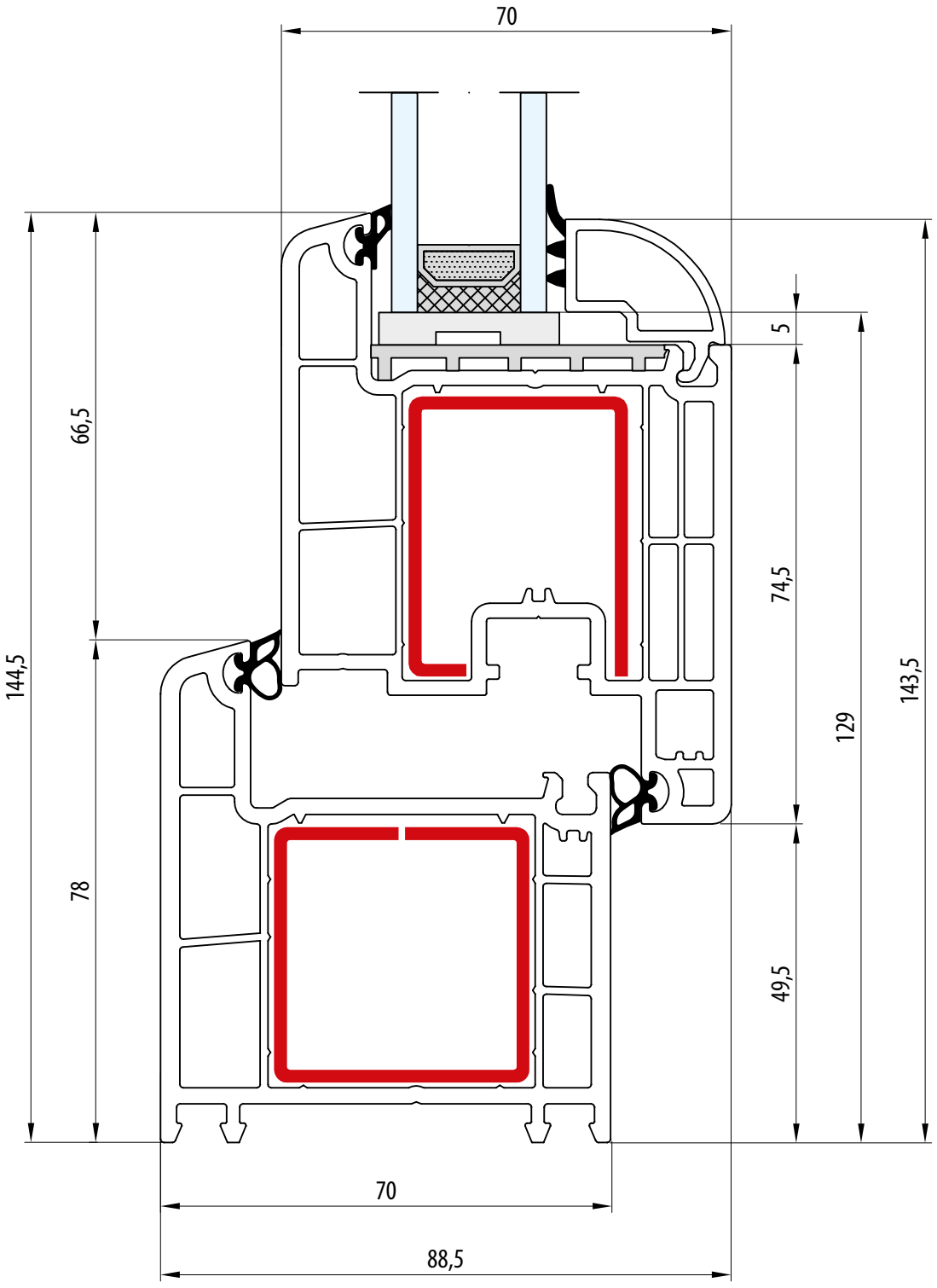

Rama: 78 mm · Skrzydło: 125 mm
Dormant: 78 mm · Vantail: 125 mm
Frame: 78 mm · Sash: 125 mm
Rahmen: 78 mm · Flügel: 125 mm
Telaio: 78 mm · Anta: 125 mm
Kader: 78 mm · Vleugel: 125 mm



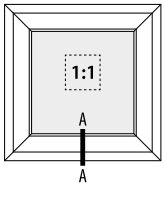


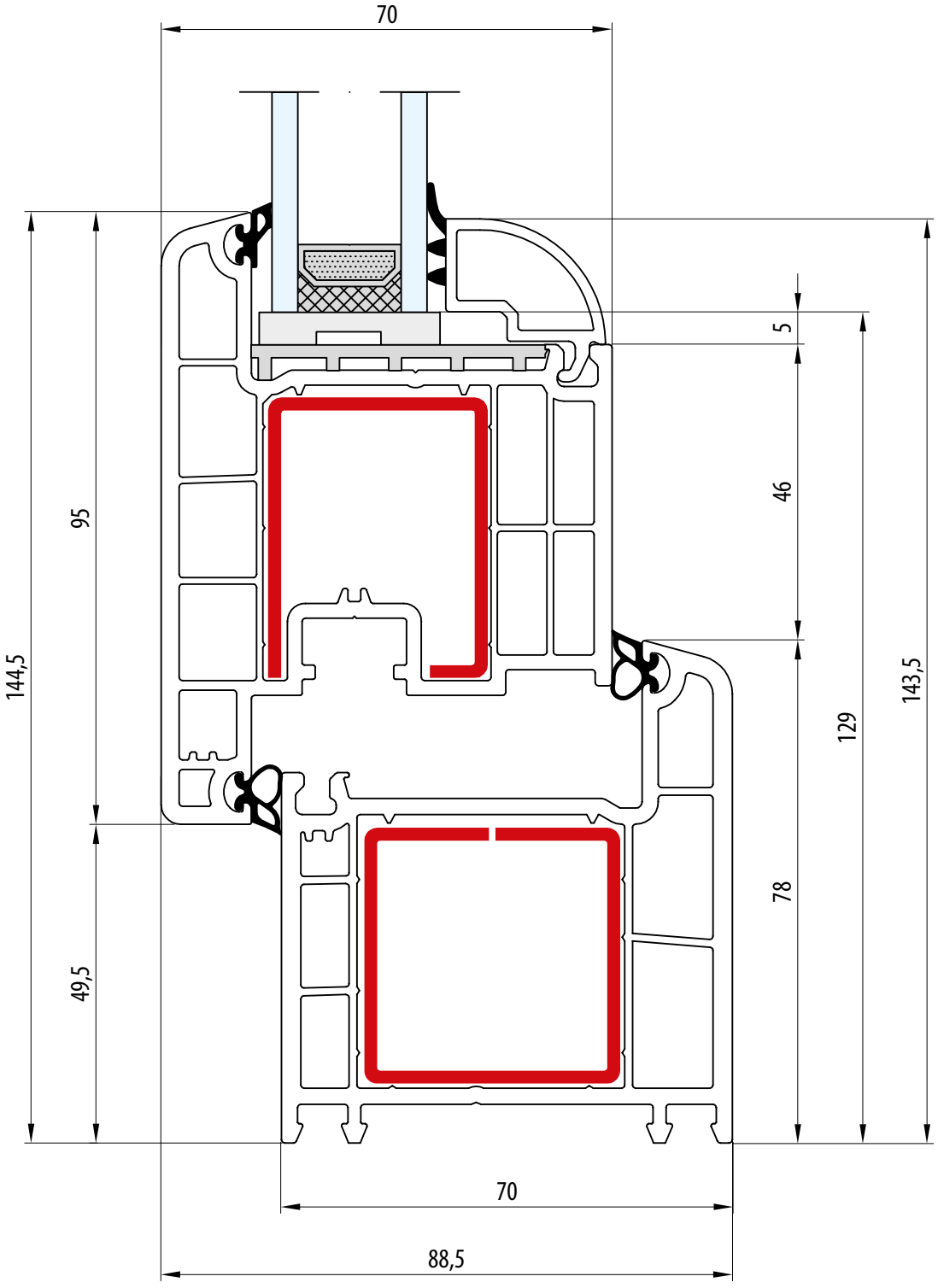

- Rama: 78 mm · Skrzydło: 125 mm
- Dormant: 78 mm · Vantail: 125 mm
- Frame: 78 mm · Sash: 125 mm
- Rahmen: 78 mm · Flügel: 125 mm
- Telaio: 78 mm · Anta: 125 mm
- Kader: 78 mm · Vleugel: 125 mm



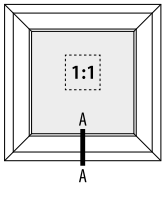



- Rama: 78 mm · Skrzydło: 95 mm
- Dormant: 78 mm · Vantail: 95 mm
- Frame: 78 mm · Sash: 95 mm
- Rahmen: 78 mm · Flügel: 95 mm
- Telaio: 78 mm · Anta: 95 mm
- Kader: 78 mm · Vleugel: 95 mm



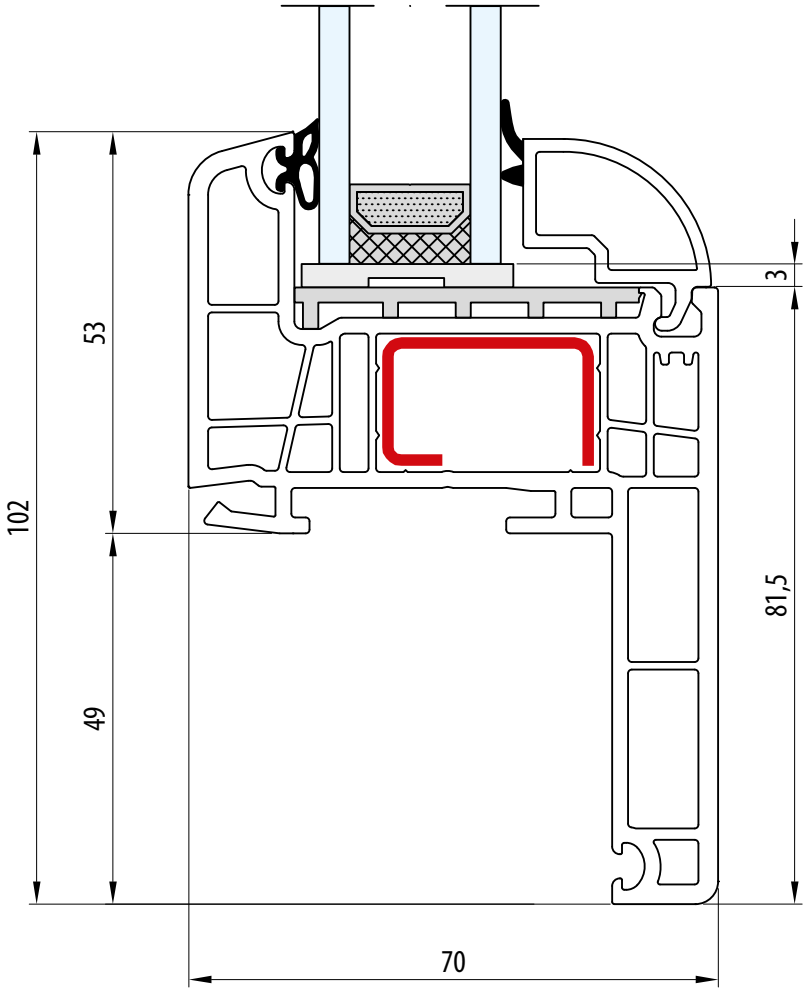



- Rama: 78 mm · Skrzydło: 95 mm
- Dormant: 78 mm · Vantail: 95 mm
- Frame: 78 mm · Sash: 95 mm
- Rahmen: 78 mm · Flügel: 95 mm
- Telaio: 78 mm · Anta: 95 mm
- Kader: 78 mm · Vleugel: 95 mm

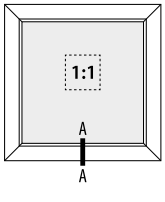


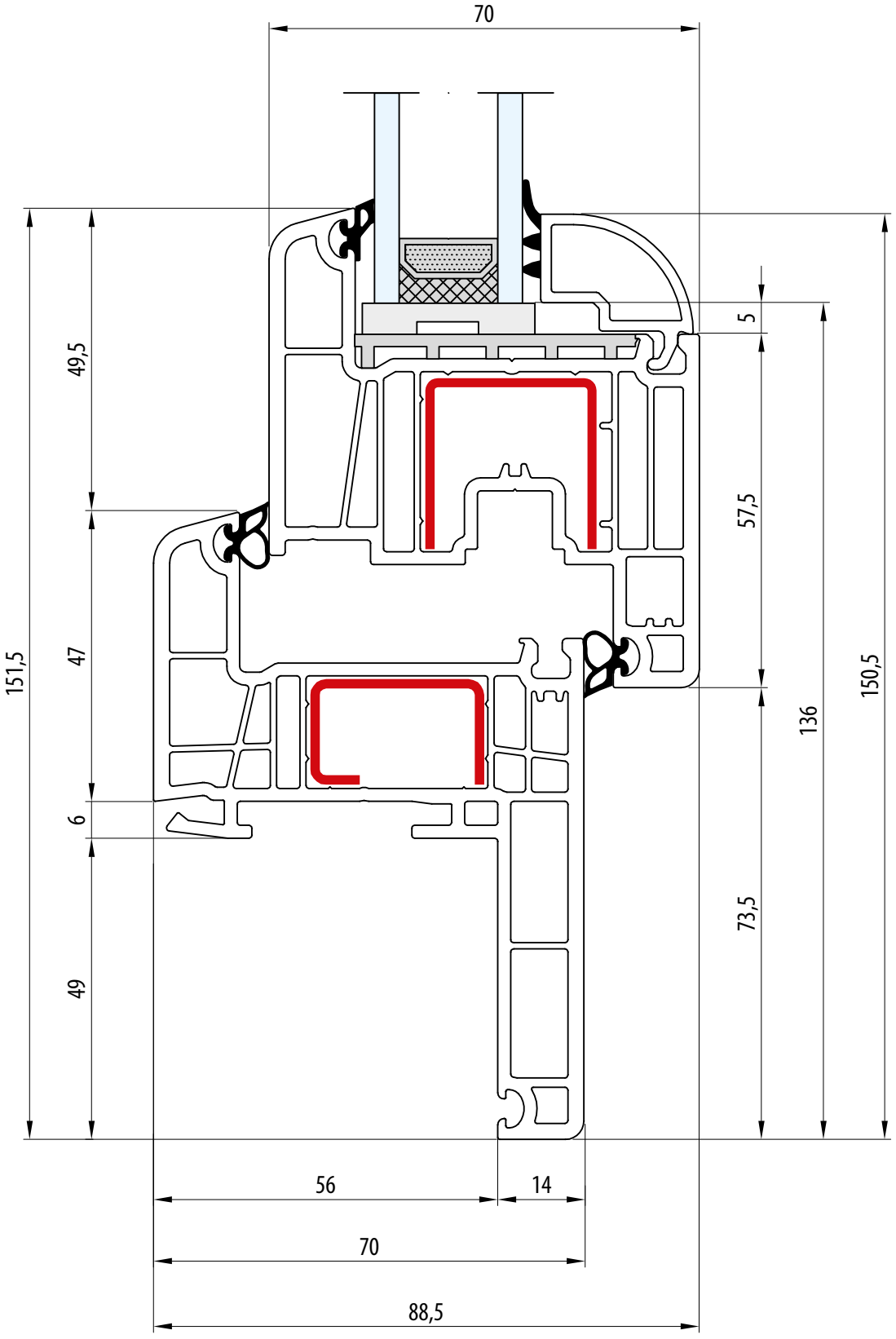
CL

CL
RL

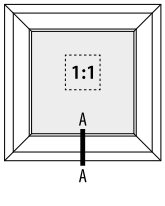



- RENOWACJA - Płetwa: 49 mm · Rama: 53 mm
- RÉNOVATION - Lip: 49 mm · Dormant: 53 mm
- RENOVATION - Strip: 49 mm · Frame: 53 mm
- RENOVIERUNG - Flosse: 49 mm · Rahmen: 53 mm
- RINNOVAZIONE - Aletta da: 49 mm · Telaio: 53 mm
- RENOVATIE - Vin: 49 mm · Kader: 53 mm



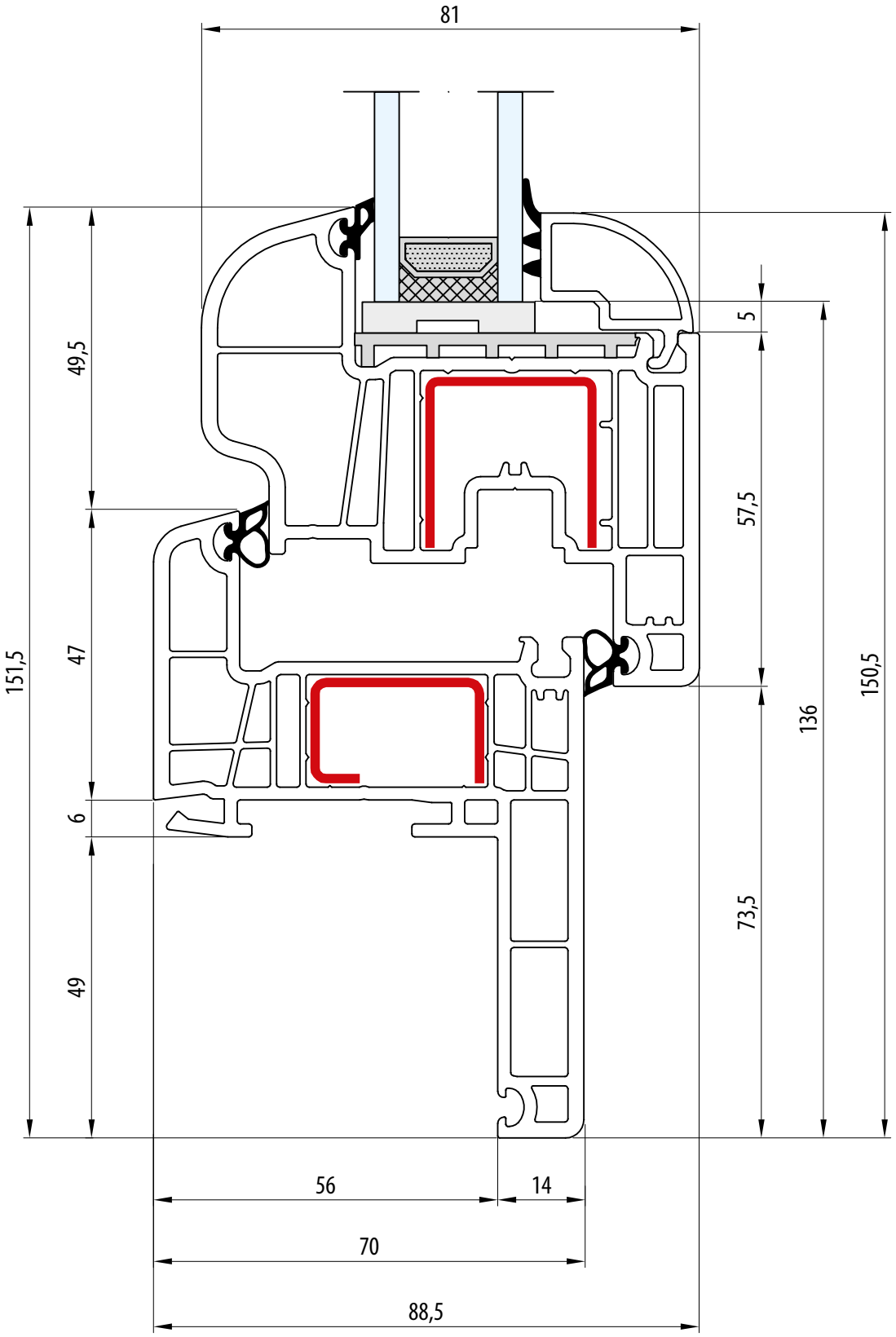



RENOWACJA - Płetwa: 49 mm · Rama: 53 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 49 mm · Dormant: 53 mm · Vantail: 77 mm
RENOVATION - Strip: 49 mm · Frame: 53 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 49 mm · Rahmen: 53 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 49 mm · Telaio: 53 mm · Anta: 77 mm
RENOVATIE - Vin: 49 mm · Kader: 53 mm · Vleugel: 77 mm

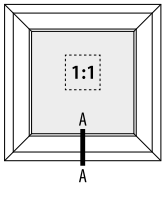


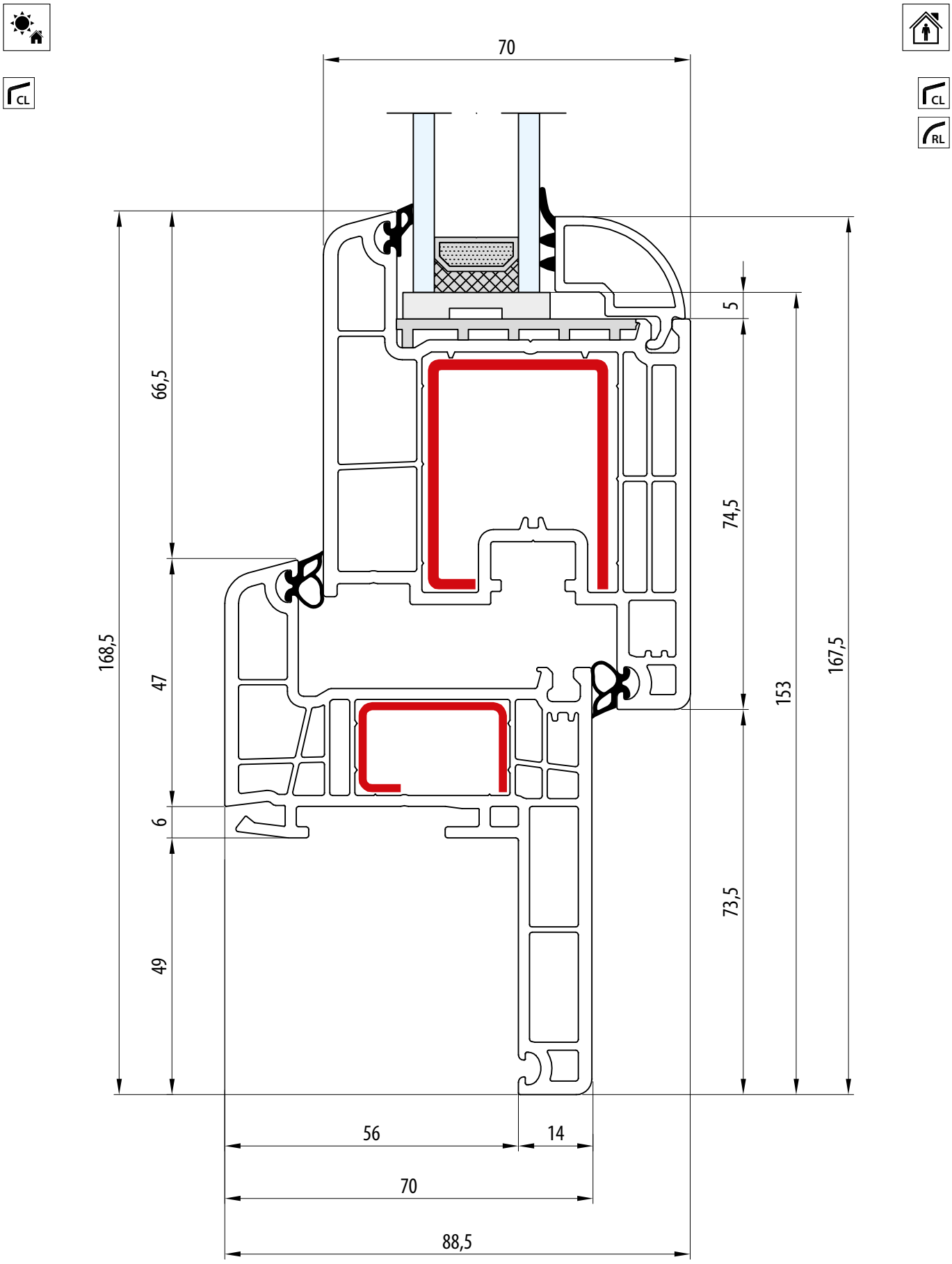
RL

CL
RL

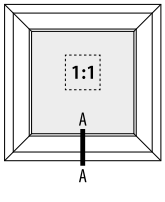



RENOWACJA - Płetwa: 49 mm · Rama: 53 mm · Skrzydło: 77 mm
RÉNOVATION - Lip: 49 mm · Dormant: 53 mm · Vantail: 77 mm
RENOVATION - Strip: 49 mm · Frame: 53 mm · Sash: 77 mm
RENOVIERUNG - Flosse: 49 mm · Rahmen: 53 mm · Flügel: 77 mm
RINNOVAZIONE - Aletta da: 49 mm · Telaio: 53 mm · Anta: 77 mm
RENOVATIE - Vin: 49 mm · Kader: 53 mm · Vleugel: 77 mm



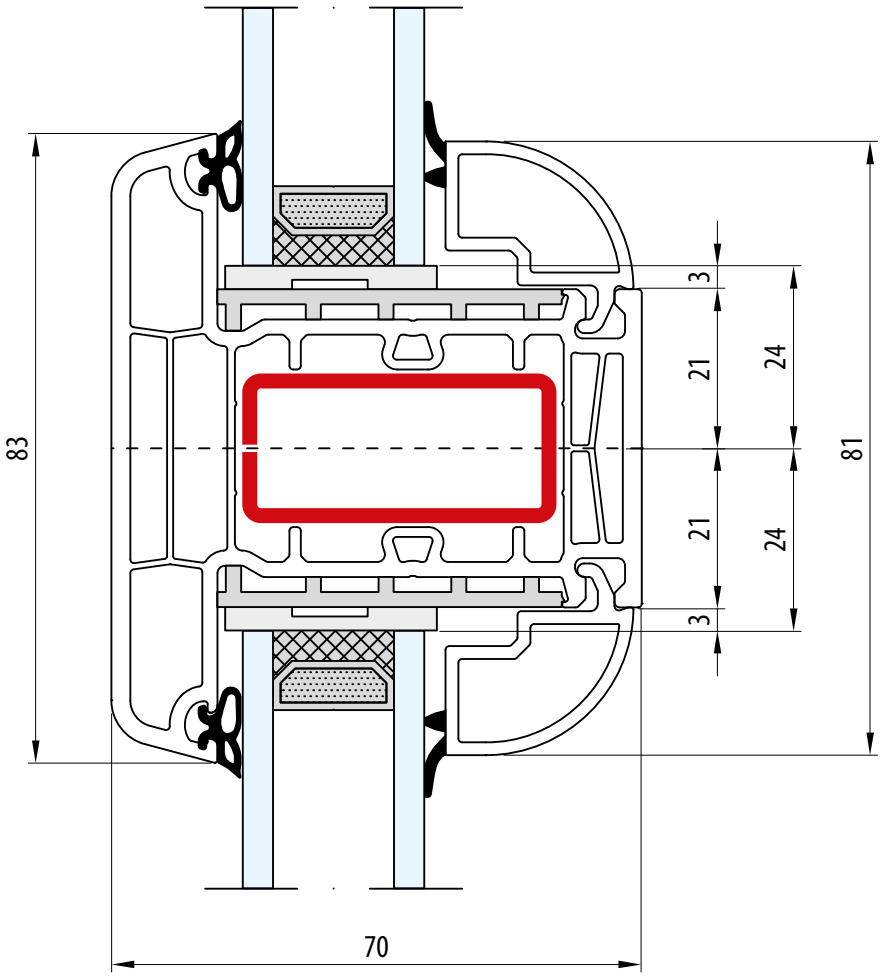



- RENOWACJA - Płetwa: 49 mm · Rama: 53 mm · Skrzydło: 95 mm
- RÉNOVATION - Lip: 49 mm · Dormant: 53 mm · Vantail: 95 mm
- RENOVATION - Strip: 49 mm · Frame: 53 mm · Sash: 95 mm
- RENOVIERUNG - Flosse: 49 mm · Rahmen: 53 mm · Flügel: 95 mm
- RINNOVAZIONE - Aletta da: 49 mm · Telaio: 53 mm · Anta: 95 mm
- RENOVATIE - Vin: 49 mm · Kader: 53 mm · Vleugel: 95 mm

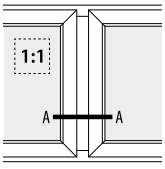


CL

CL
RL




- Słupek stały: 83 mm
- Meneau fixe: 83 mm
- Fix post: 83 mm
- Festem Pfahl: 83 mm
- Montante fisso: 83 mm
- Vaste stijl: 83 mm



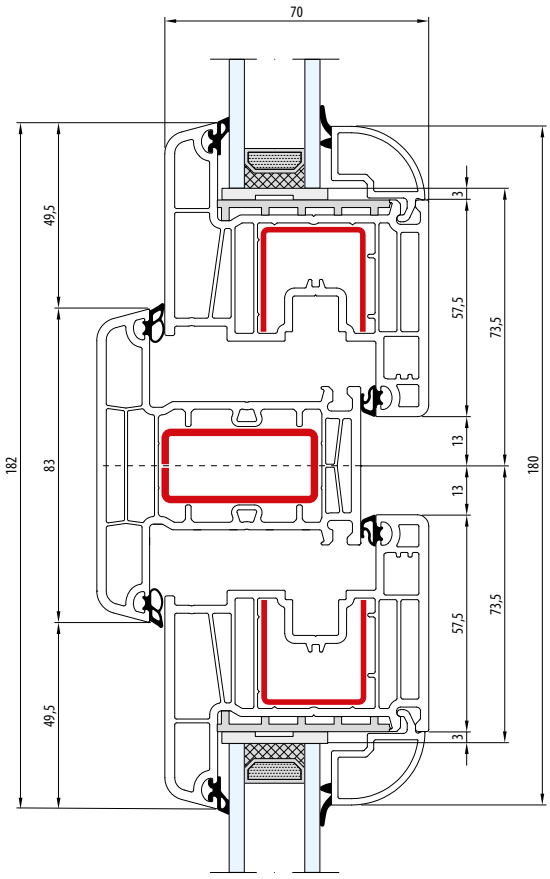




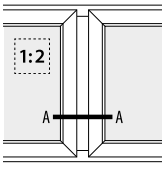






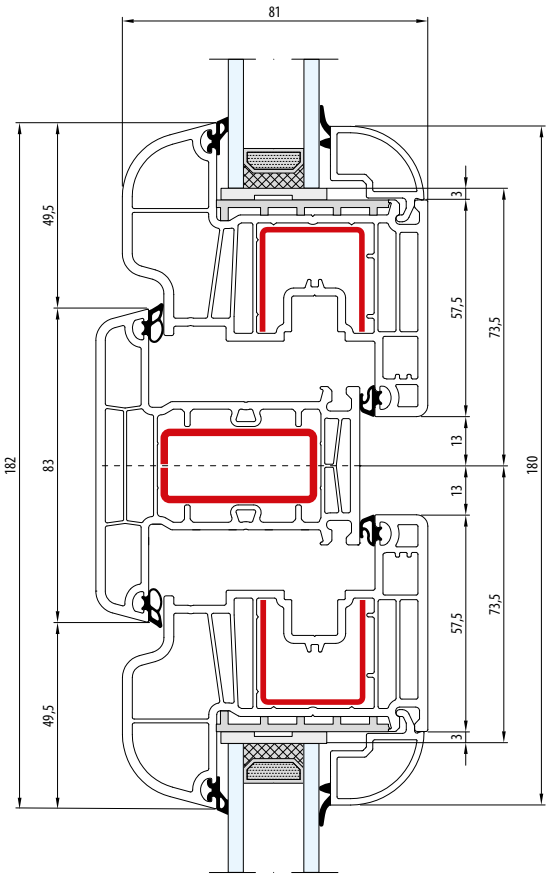



- Słupek stały: 83 mm · Skrzydło: 77 mm
- Meneau fixe: 83 mm · Vantail: 77 mm
- Fix post: 83 mm · Sash: 77 mm
- Festem Pfahl: 83 mm · Flügel: 77 mm
- Montante fisso: 83 mm · Anta: 77 mm
- Vaste stijl: 83 mm · Vleugel: 77 mm

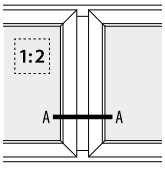


RL

CL
RL




Słupek stały: 83 mm · Skrzydło: 77 mm
Meneau fixe: 83 mm · Vantail: 77 mm
Fix post: 83 mm · Sash: 77 mm
Festem Pfahl: 83 mm · Flügel: 77 mm
Montante fisso: 83 mm · Anta: 77 mm
Vaste stijl: 83 mm · Vleugel: 77 mm





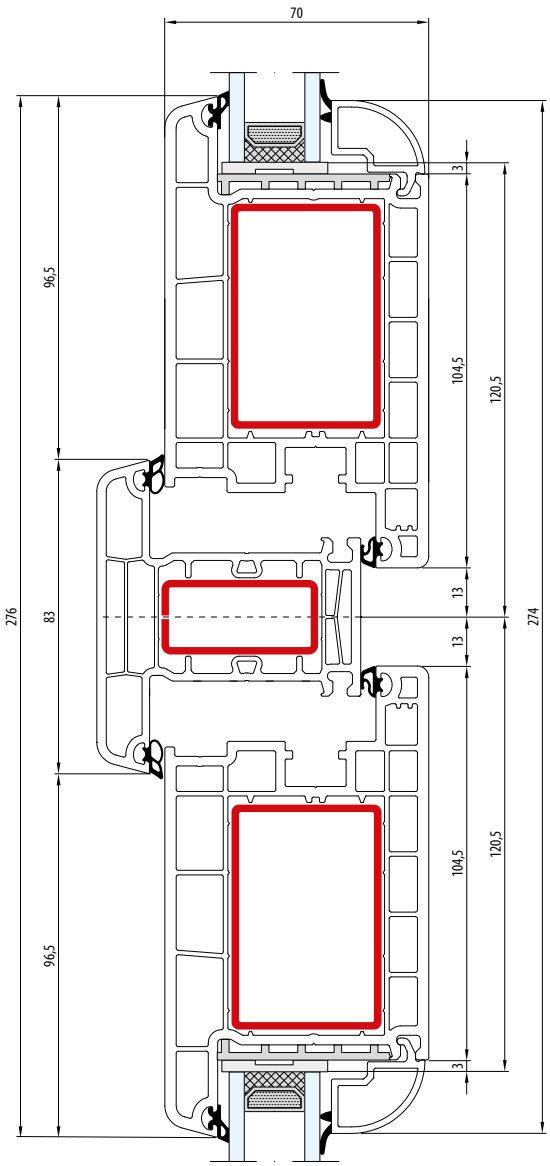




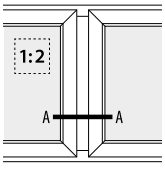






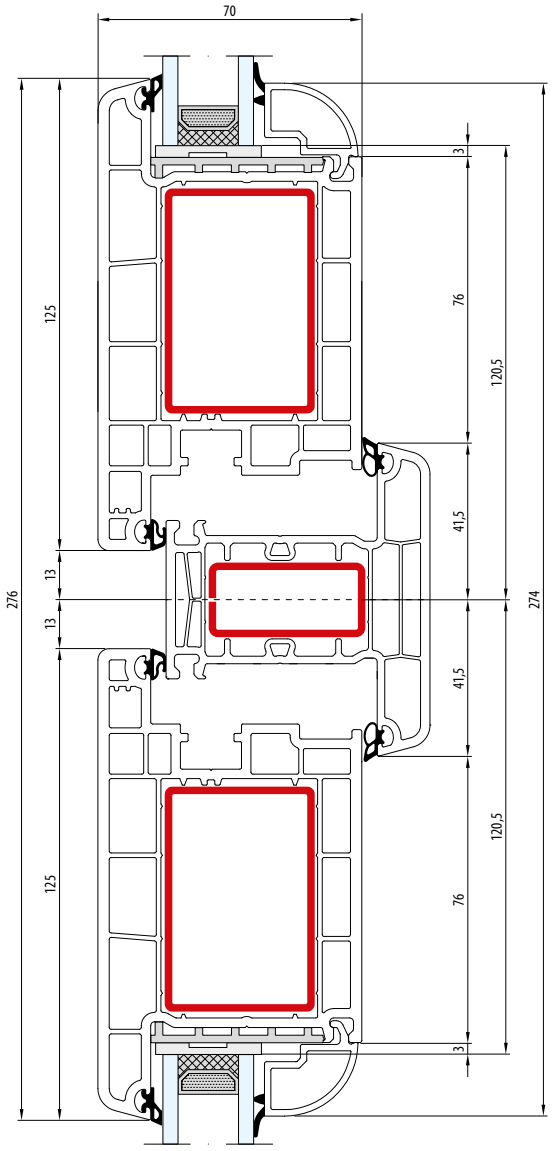




- Słupek stały: 83 mm · Skrzydło: 125 mm
- Meneau fixe: 83 mm · Vantail: 125 mm
- Fix post: 83 mm · Sash: 125 mm
- Festem Pfahl: 83 mm · Flügel: 125 mm
- Montante fisso: 83 mm · Anta: 125 mm
- Vaste stijl: 83 mm · Vleugel: 125 mm

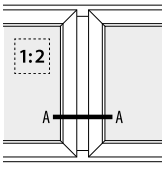


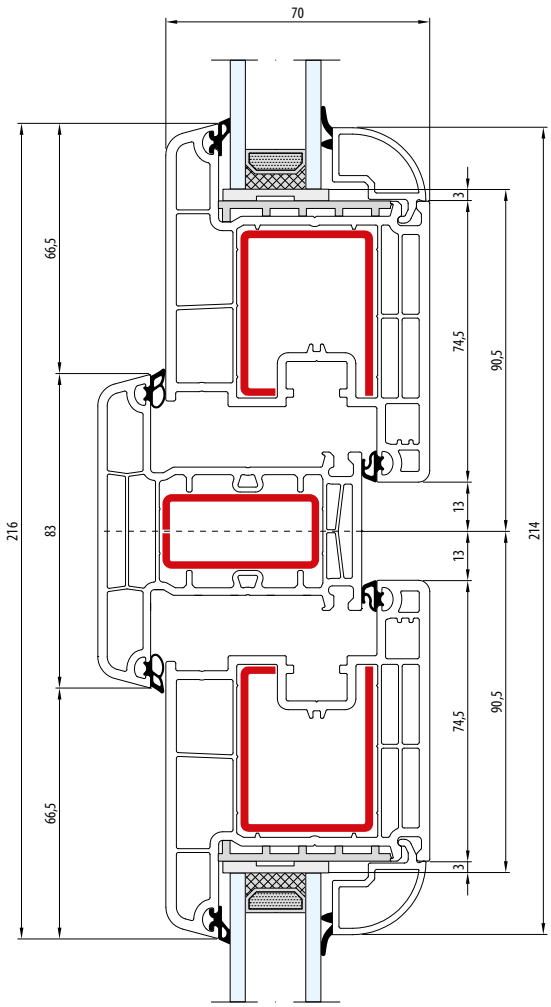
CL

CL
RL

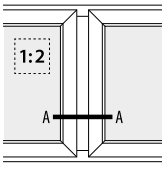


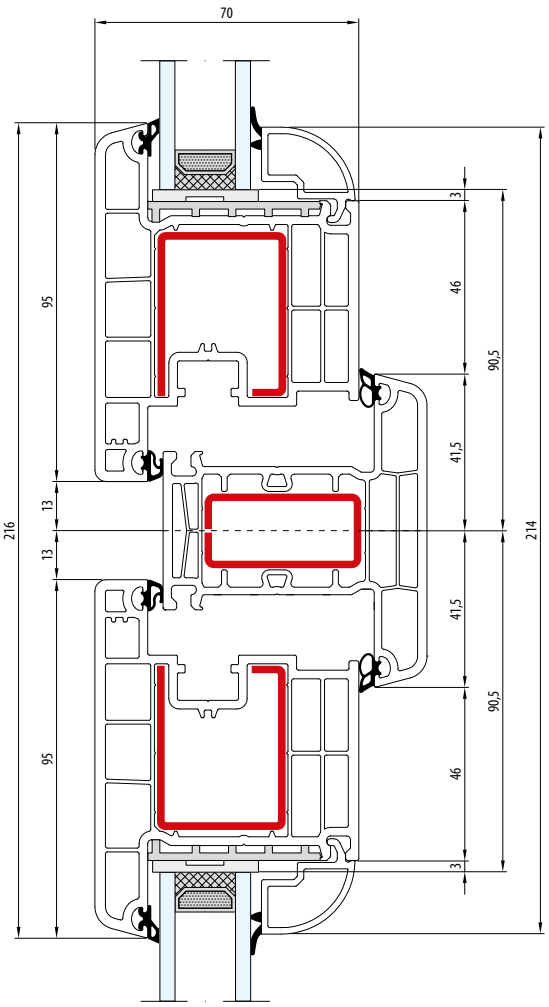

Słupek stały: 83 mm · Skrzydło: 125 mm
Meneau fixe: 83 mm · Vantail: 125 mm
Fix post: 83 mm · Sash: 125 mm
Festem Pfahl: 83 mm · Flügel: 125 mm
Montante fisso: 83 mm · Anta: 125 mm
Vaste stijl: 83 mm · Vleugel: 125 mm



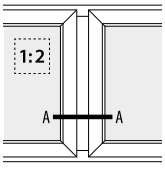



- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm






- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm





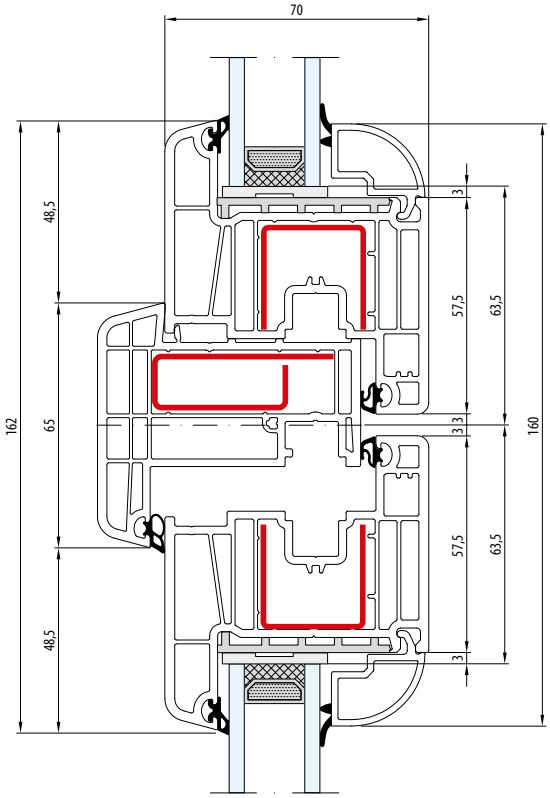




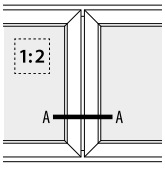






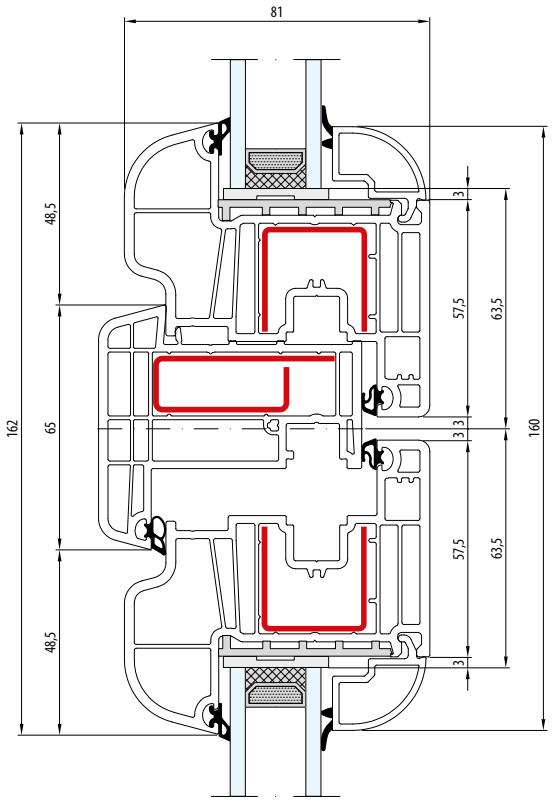




- Słupek ruchomy: 65 mm · Skrzydło: 77 mm
- Meneau mobile: 65 mm · Vantail: 77 mm
- Movable post: 65 mm · Sash: 77 mm
- Stulp: 65 mm · Flügel: 77 mm
- Montante mobile: 65 mm · Anta: 77 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 77 mm

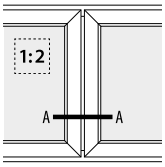


RL

CL
RL




Słupek ruchomy: 65 mm · Skrzydło: 77 mm
Meneau mobile: 65 mm · Vantail: 77 mm
Movable post: 65 mm · Sash: 77 mm
Stulp: 65 mm · Flügel: 77 mm
Montante mobile: 65 mm · Anta: 77 mm
Verplaatsbare stijl: 65 mm · Vleugel: 77 mm





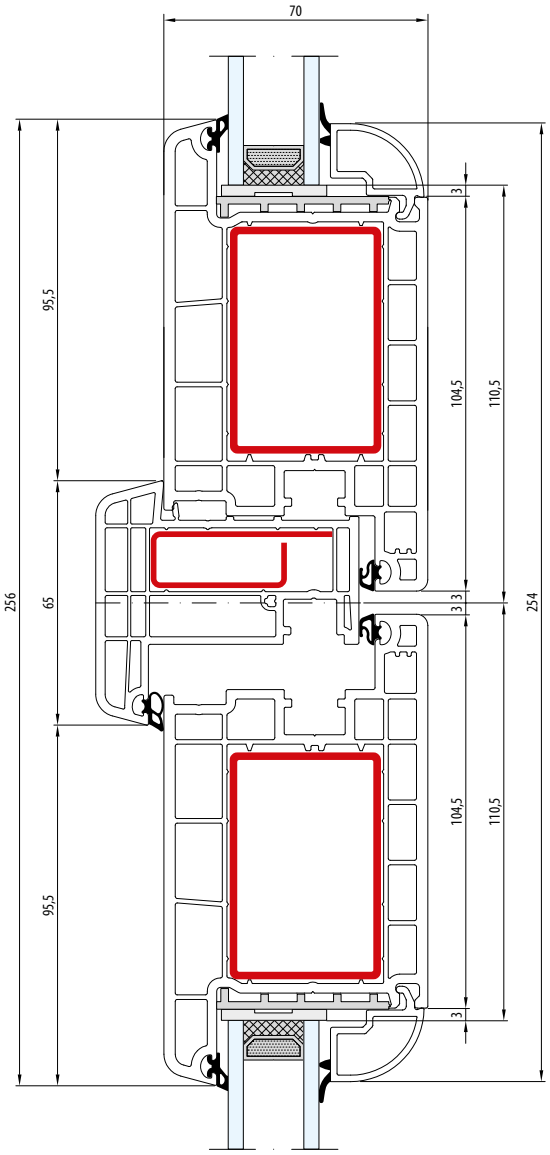




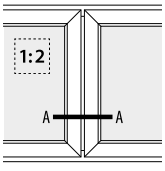






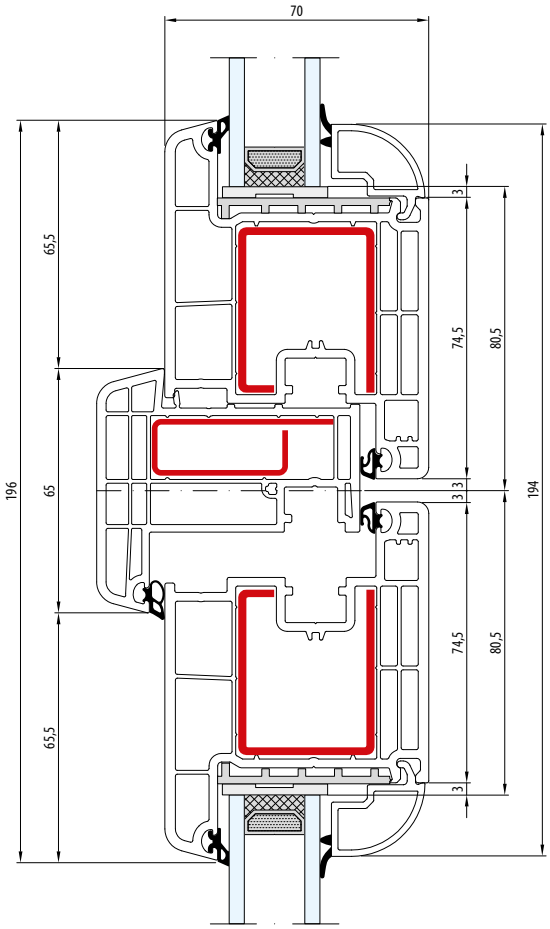

- Słupek ruchomy: 65 mm · Skrzydło: 125 mm
- Meneau mobile: 65 mm · Vantail: 125 mm
- Movable post: 65 mm · Sash: 125 mm
- Stulp: 65 mm · Flügel: 125 mm
- Montante mobile: 65 mm · Anta: 125 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 125 mm



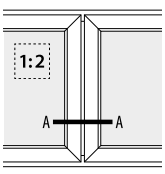


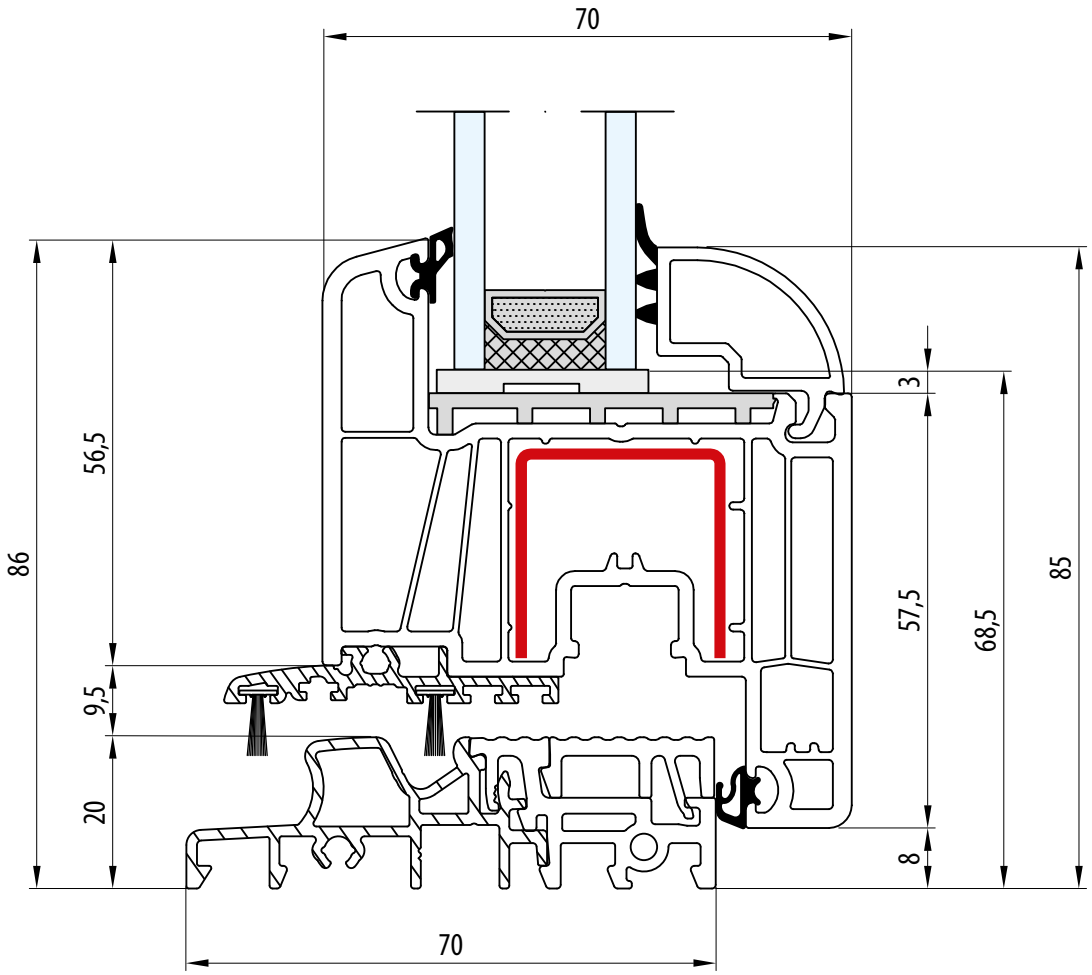




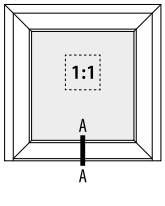



- Słupek ruchomy: 65 mm · Skrzydło: 95 mm
- Meneau mobile: 65 mm · Vantail: 95 mm
- Movable post: 65 mm · Sash: 95 mm
- Stulp: 65 mm · Flügel: 95 mm
- Montante mobile: 65 mm · Anta: 95 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 95 mm



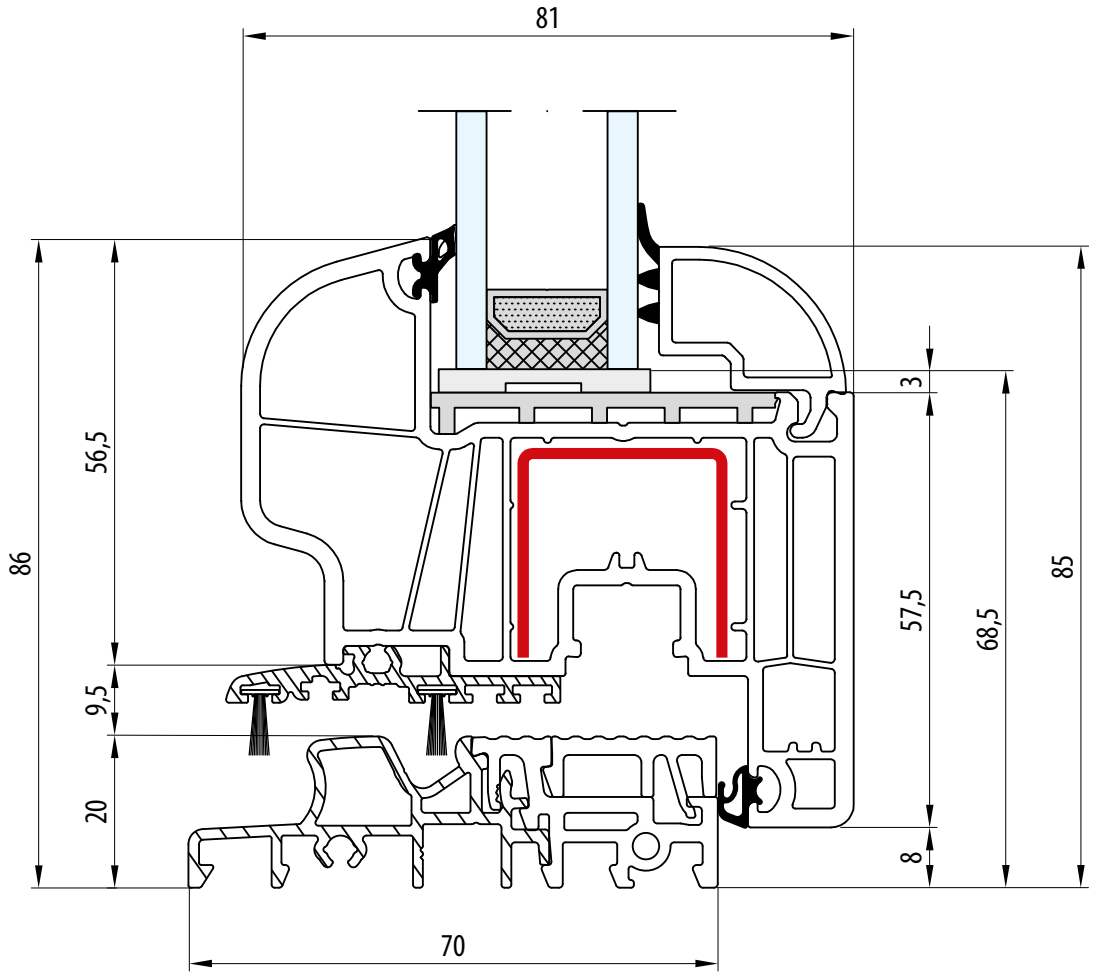



- Próg: 20 mm · Skrzydło: 77 mm
- Seuil: 20 mm · Vantail: 77 mm
- Threshold: 20 mm · Sash: 77 mm
- Schwelle: 20 mm · Flügel: 77 mm
- Soglia: 20 mm · Anta: 77 mm
- Dorpel: 20 mm · Vleugel: 77 mm

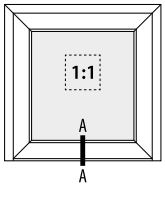


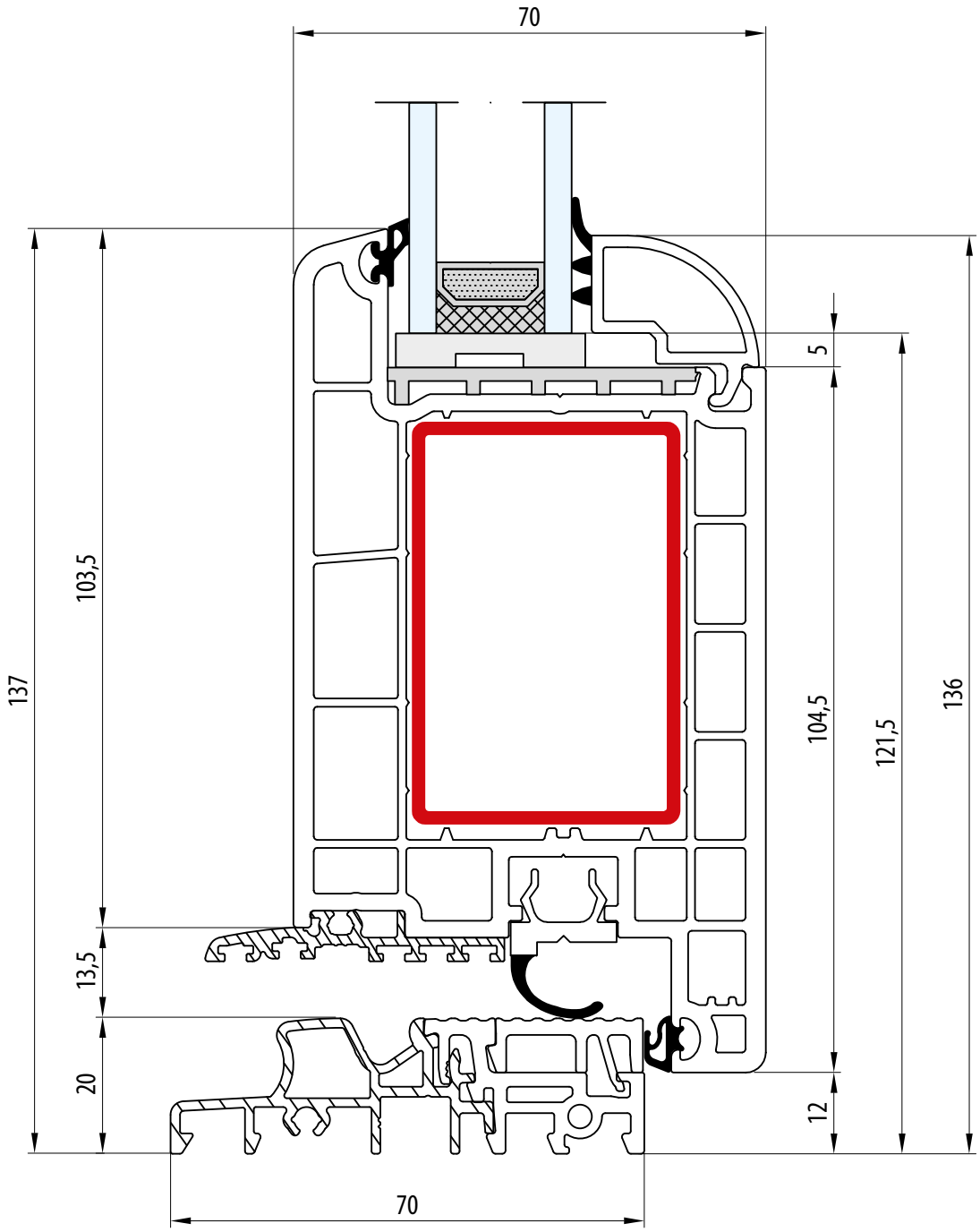
RL

CL
RL

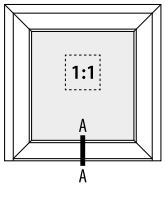


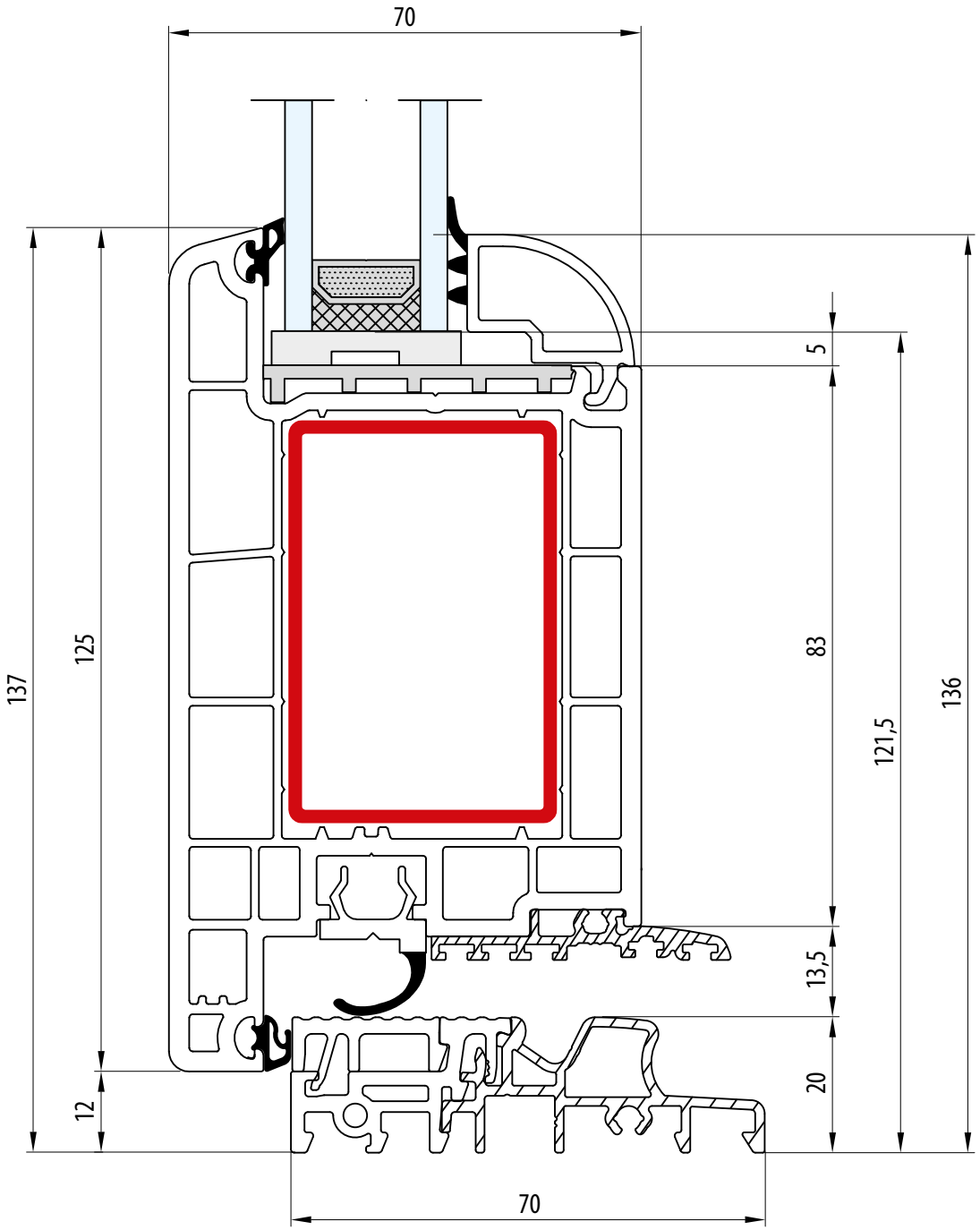

- Próg: 20 mm · Skrzydło: 77 mm
- Seuil: 20 mm · Vantail: 77 mm
- Threshold: 20 mm · Sash: 77 mm
- Schwelle: 20 mm · Flügel: 77 mm
- Soglia: 20 mm · Anta: 77 mm
- Dorpel: 20 mm · Vleugel: 77 mm



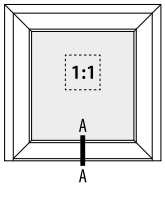



- Próg: 20 mm · Skrzydło: 125 mm
- Seuil: 20 mm · Vantail: 125 mm
- Threshold: 20 mm · Sash: 125 mm
- Schwelle: 20 mm · Flügel: 125 mm
- Soglia: 20 mm · Anta: 125 mm
- Dorpel: 20 mm · Vleugel: 125 mm



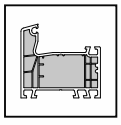



- Próg: 20 mm · Skrzydło: 125 mm
- Seuil: 20 mm · Vantail: 125 mm
- Threshold: 20 mm · Sash: 125 mm
- Schwelle: 20 mm · Flügel: 125 mm
- Soglia: 20 mm · Anta: 125 mm
- Dorpel: 20 mm · Vleugel: 125 mm



# EKOSUN 6

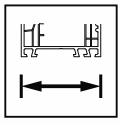




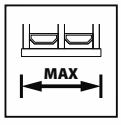
6



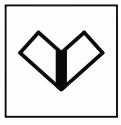
2



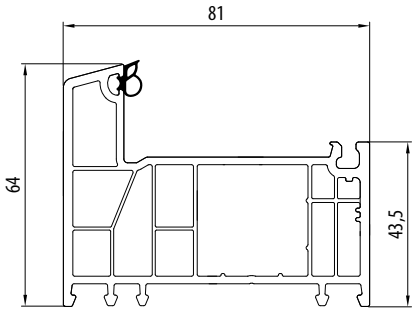
81



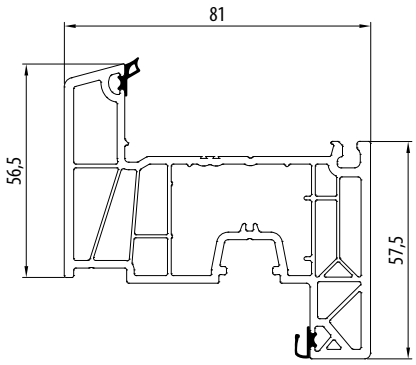

55



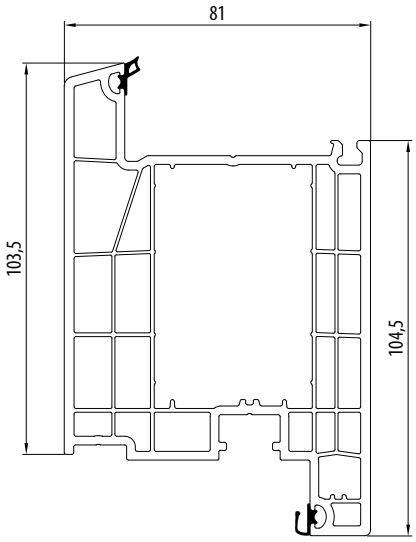




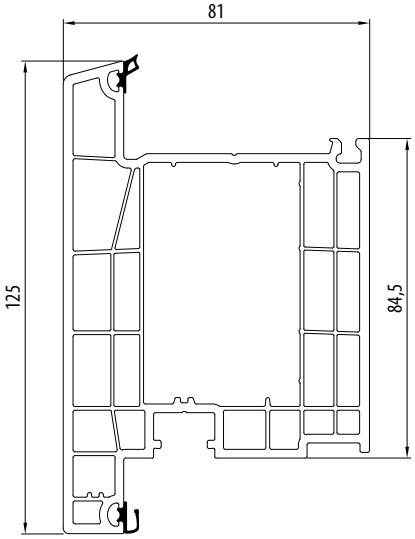

CL 8210



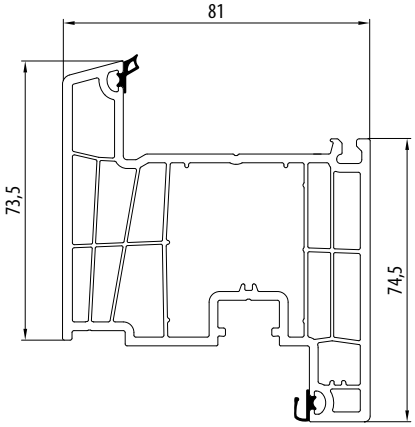

CL 8220



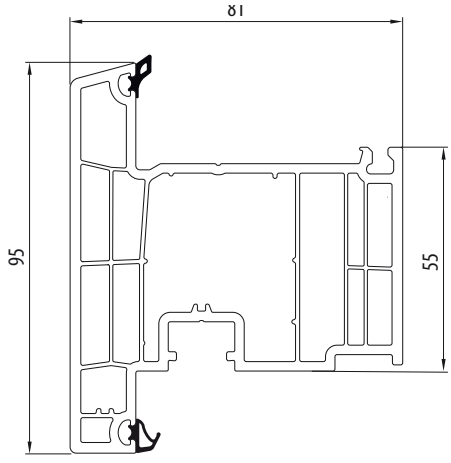

CL 8224



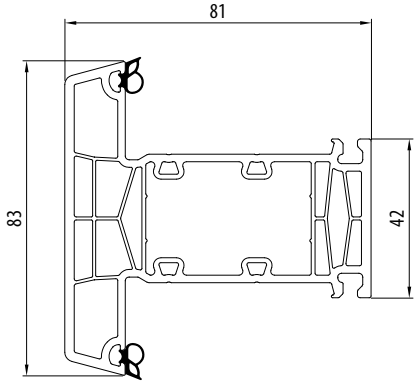

CL 8225



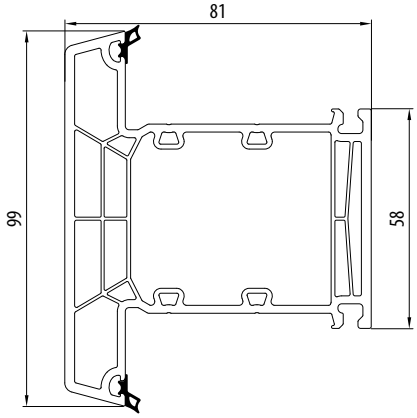

CL 8226



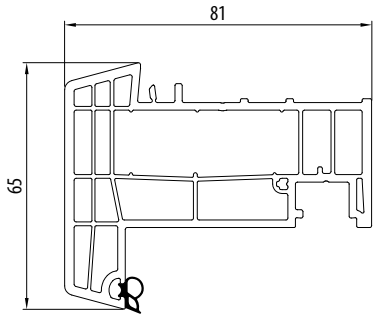

CL 8227



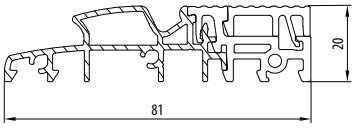

CL 8230




CL 8236




CL 8232



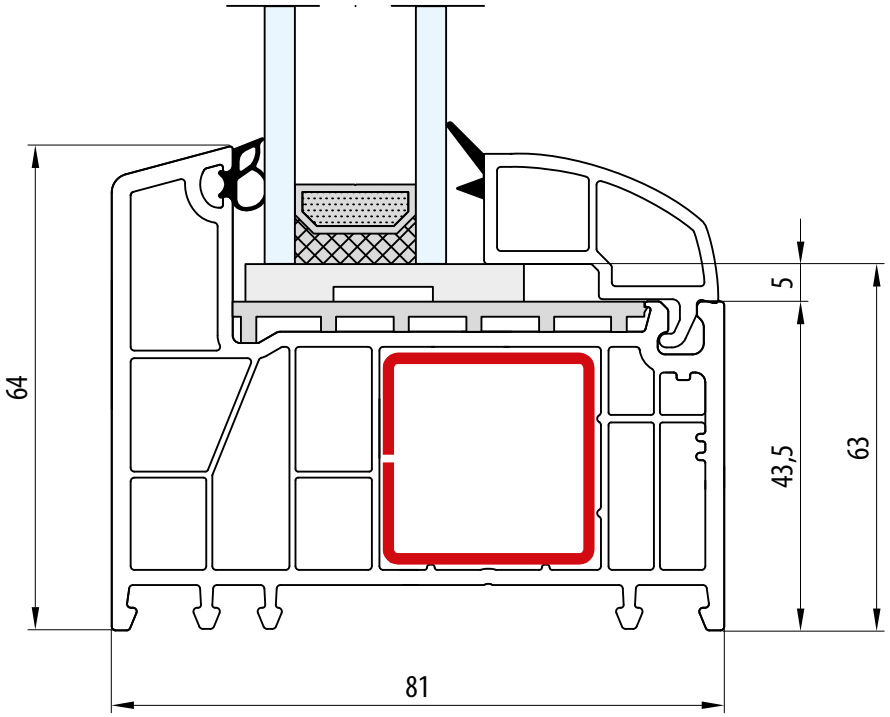

alu 20 mm

1:2

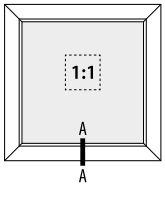






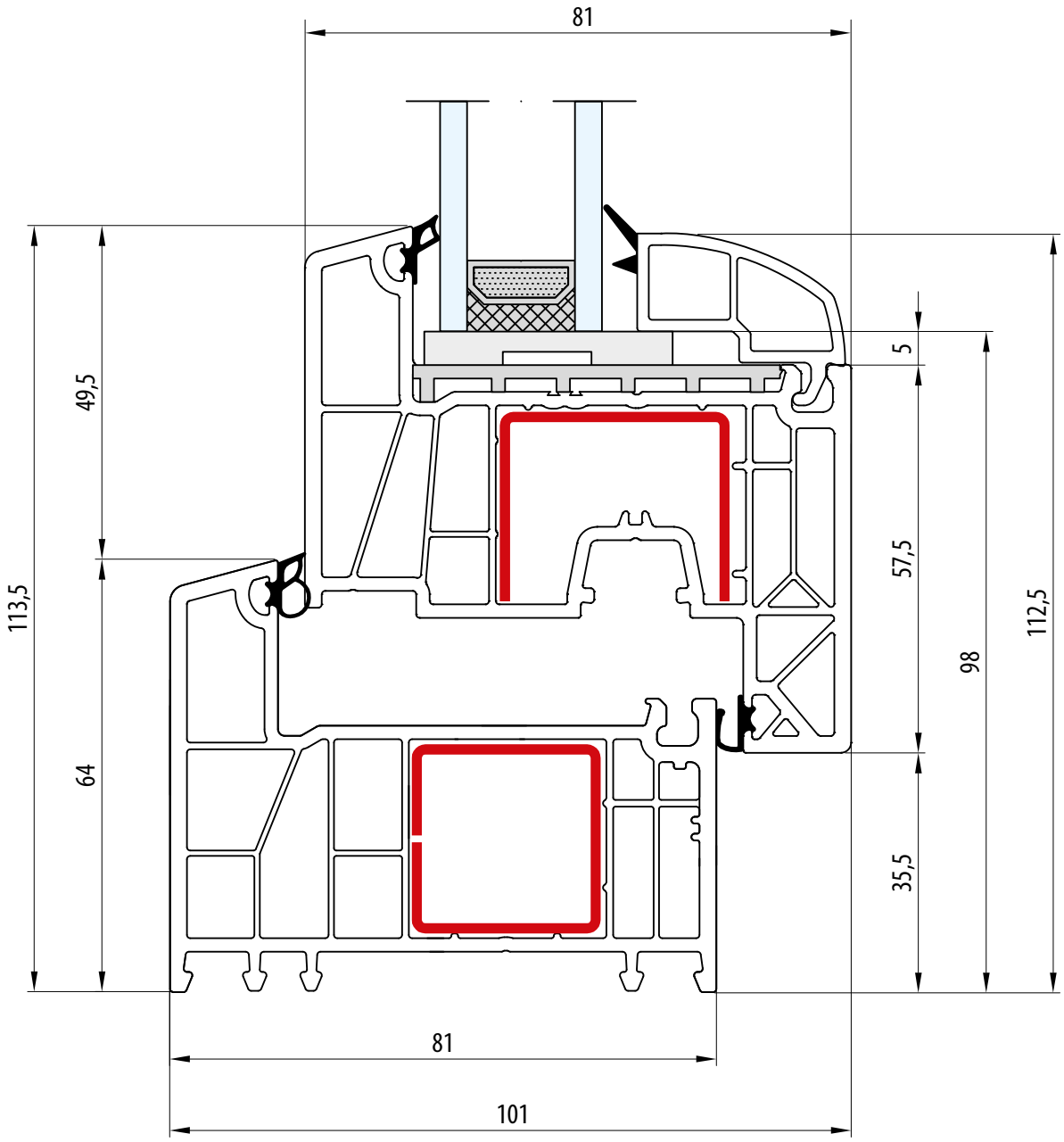



- Rama: 64 mm
- Dormant: 64 mm
- Frame: 64 mm
- Rahmen: 64 mm
- Telaio: 64 mm
- Kader: 64 mm

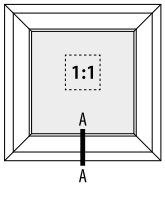


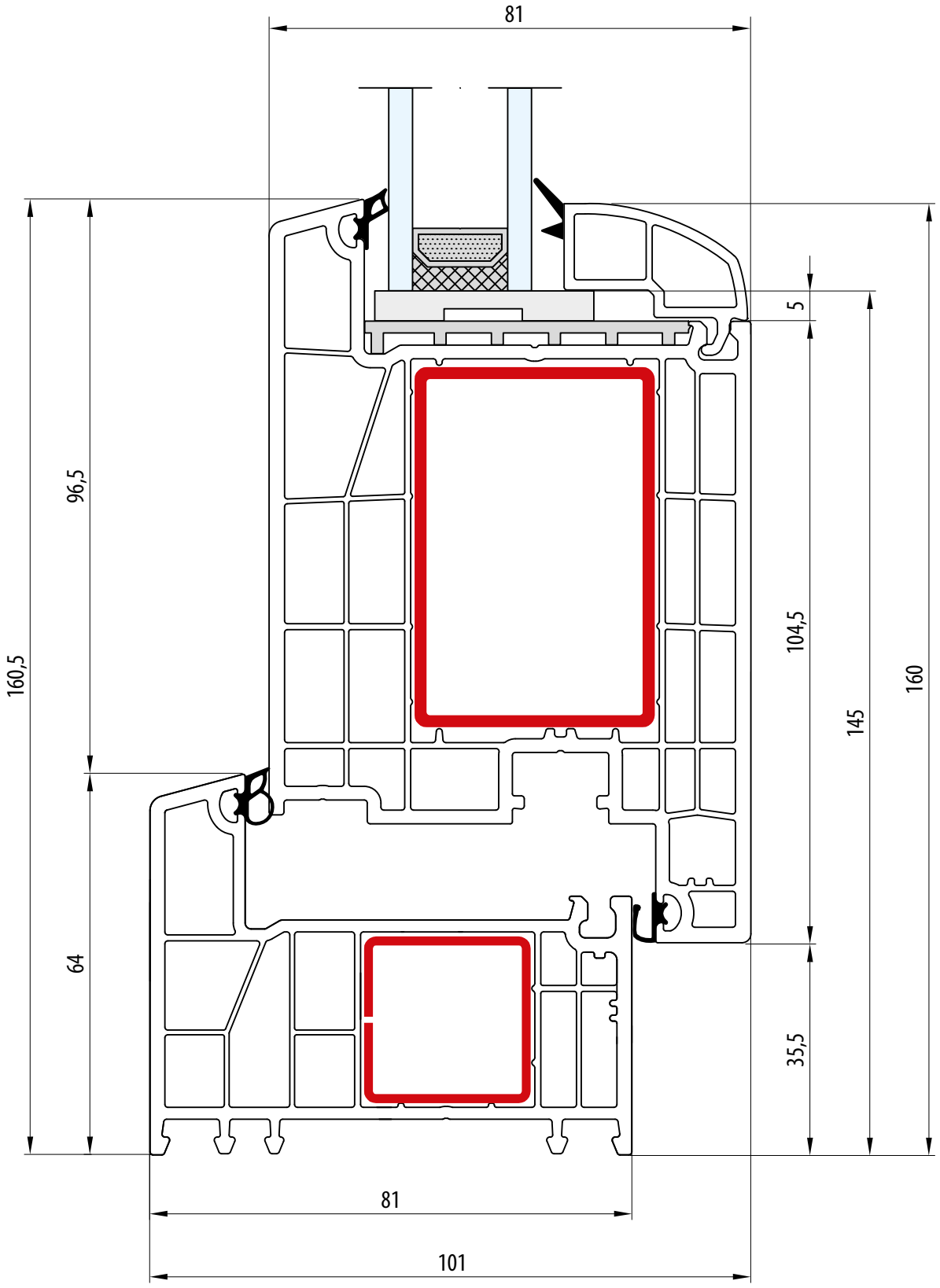
CL

CL
RL

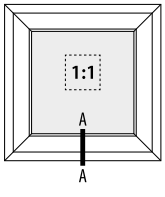


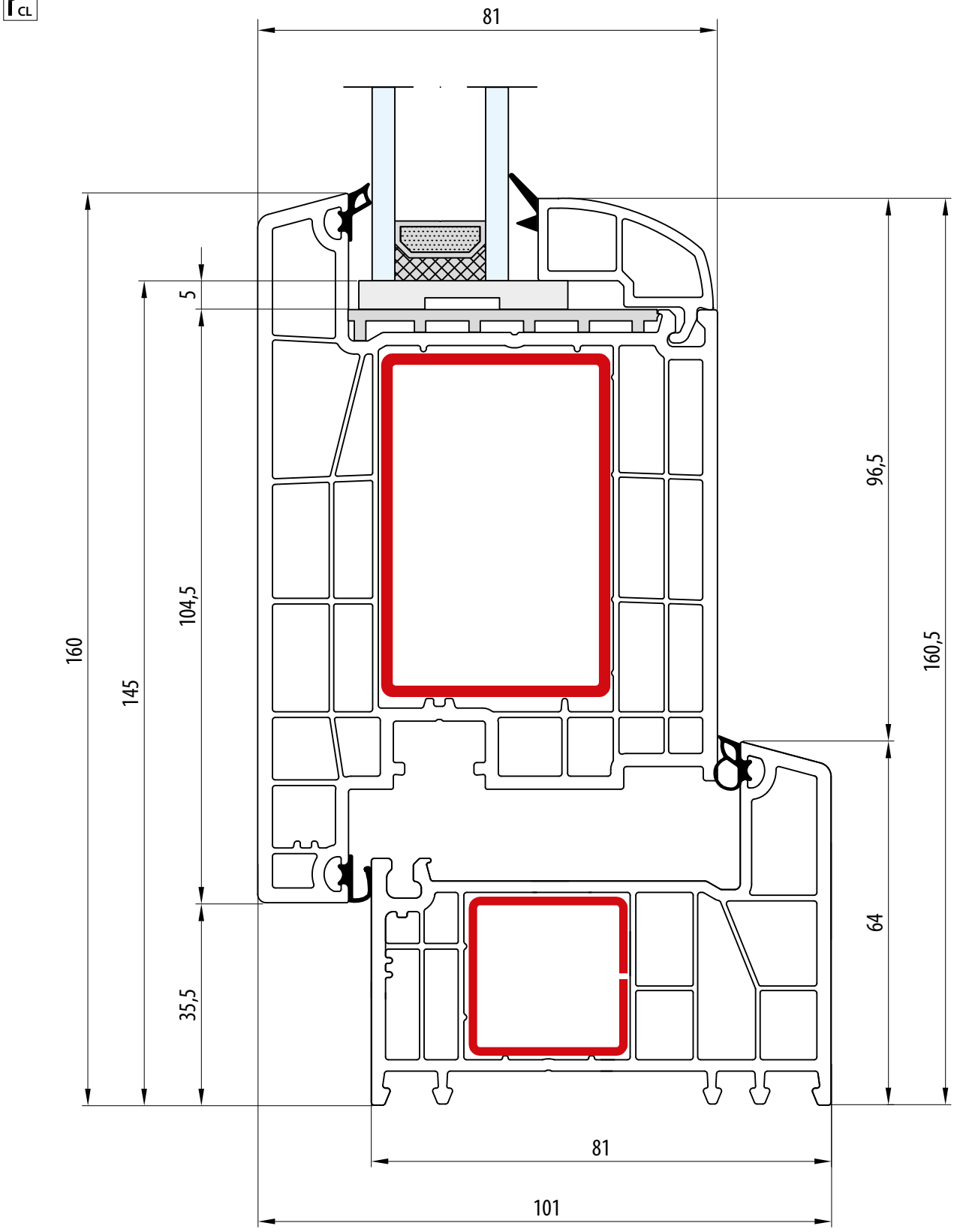

Rama: 64 mm · Skrzydło: 78 mm
Dormant: 64 mm · Vantail: 78 mm
Frame: 64 mm · Sash: 78 mm
Rahmen: 64 mm · Flügel: 78 mm
Telaio: 64 mm · Anta: 78 mm
Kader: 64 mm · Vleugel: 78 mm



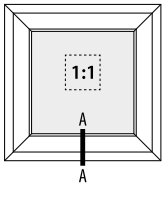



Rama: 64 mm · Skrzydło: 125 mm
Dormant: 64 mm · Vantail: 125 mm
Frame: 64 mm · Sash: 125 mm
Rahmen: 64 mm · Flügel: 125 mm
Telaio: 64 mm · Anta: 125 mm
Kader: 64 mm · Vleugel: 125 mm



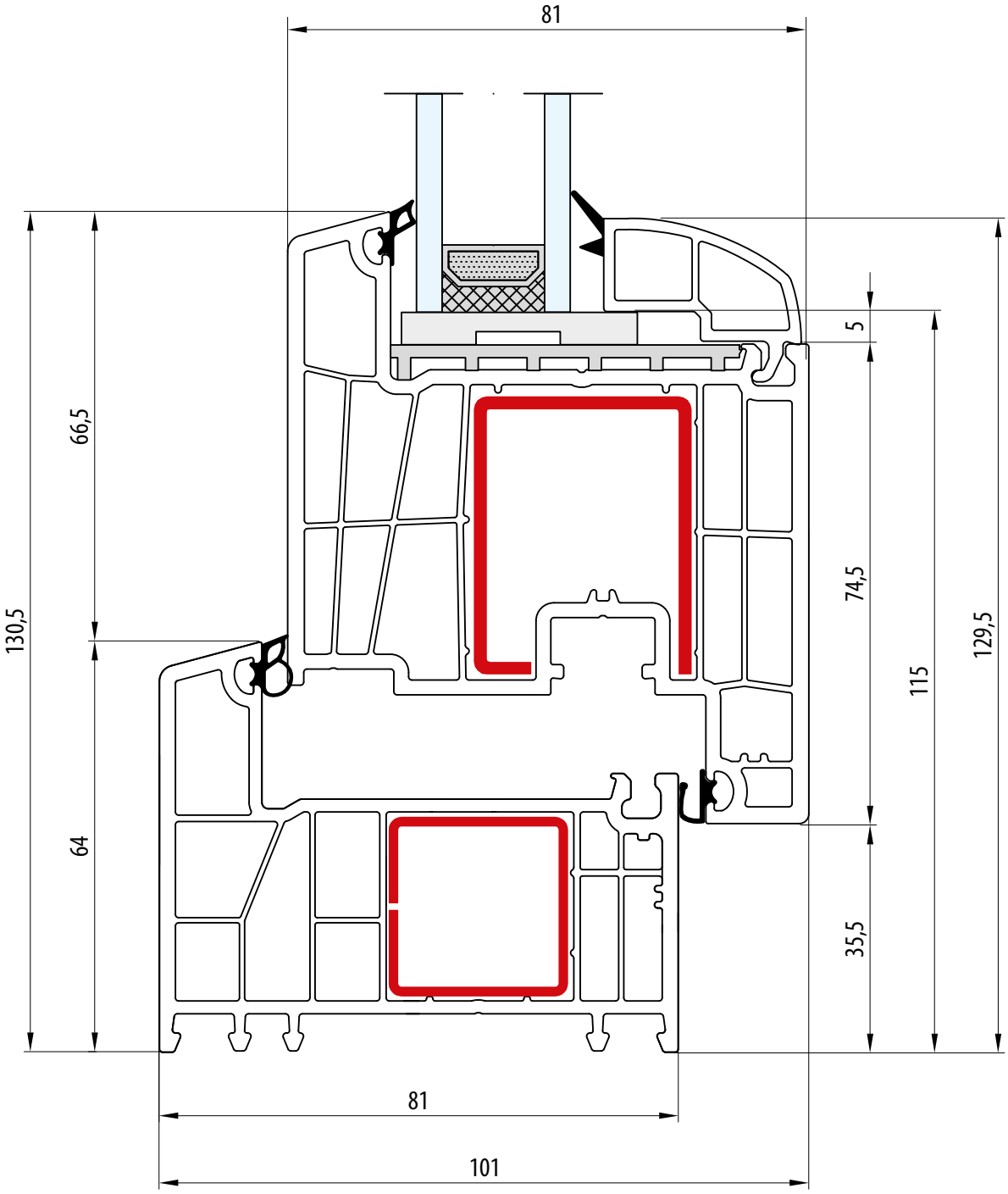



- Rama: 64 mm · Skrzydło: 125 mm
- Dormant: 64 mm · Vantail: 125 mm
- Frame: 64 mm · Sash: 125 mm
- Rahmen: 64 mm · Flügel: 125 mm
- Telaio: 64 mm · Anta: 125 mm
- Kader: 64 mm · Vleugel: 125 mm

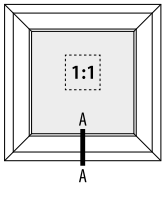


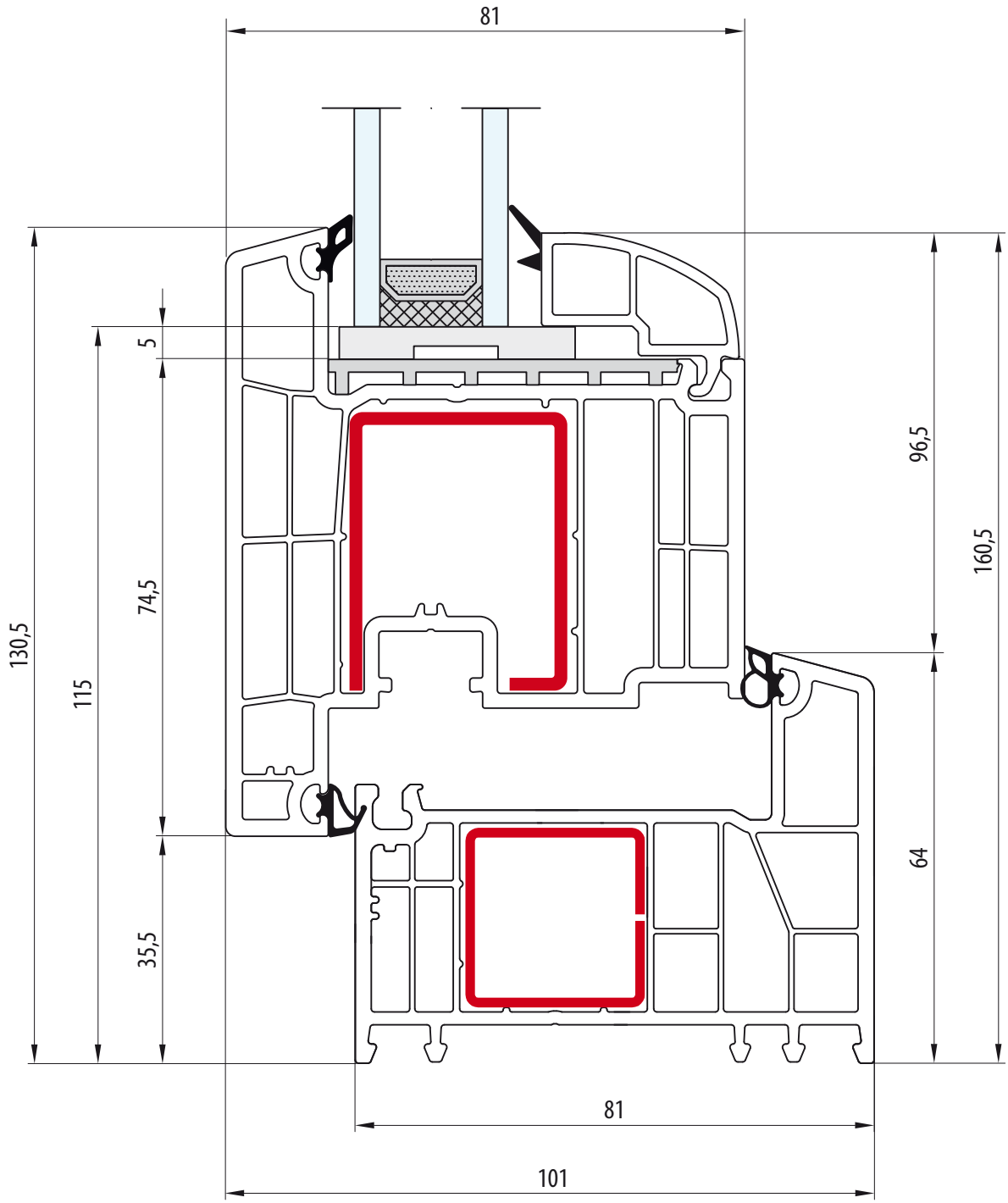
CL

CL
RL

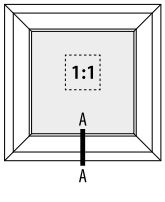


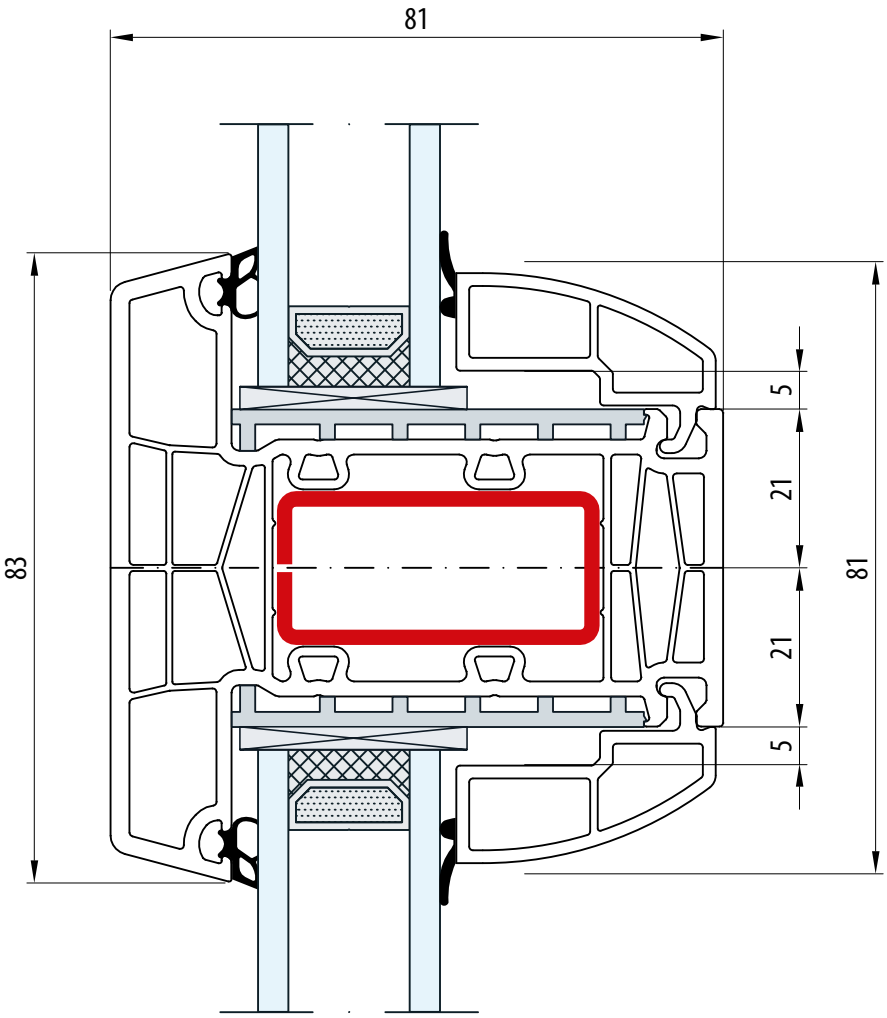

- Rama: 64 mm · Skrzydło: 95 mm
- Dormant: 64 mm · Vantail: 95 mm
- Frame: 64 mm · Sash: 95 mm
- Rahmen: 64 mm · Flügel: 95 mm
- Telaio: 64 mm · Anta: 95 mm
- Kader: 64 mm · Vleugel: 95 mm



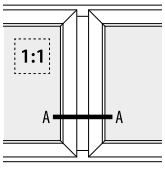


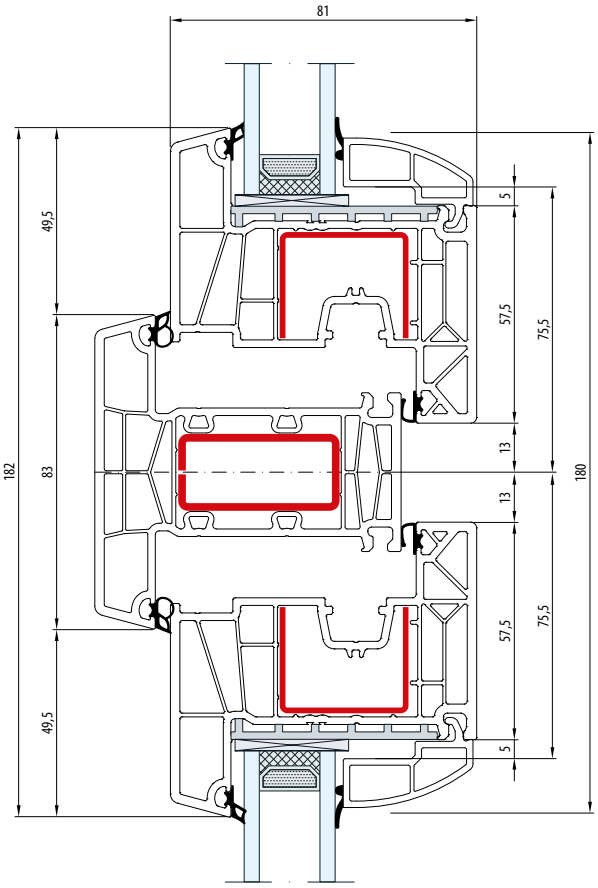

Rama: 64 mm · Skrzydło: 95 mm
Dormant: 64 mm · Vantail: 95 mm
Frame: 64 mm · Sash: 95 mm
Rahmen: 64 mm · Flügel: 95 mm
Telaio: 64 mm · Anta: 95 mm
Kader: 64 mm · Vleugel: 95 mm



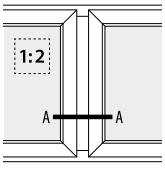


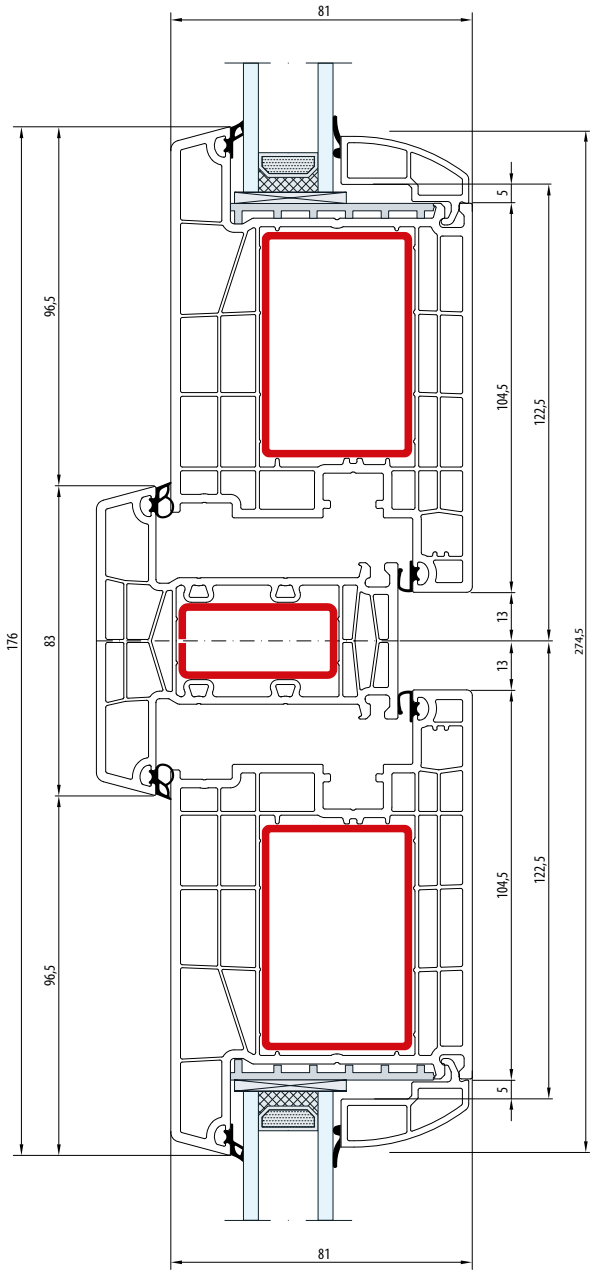

- Słupek stały: 83 mm
- Meneau fixe: 83 mm
- Fix post: 83 mm
- Festem Pfahl: 83 mm
- Montante fisso: 83 mm
- Vaste stijl: 83 mm



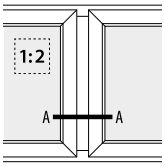


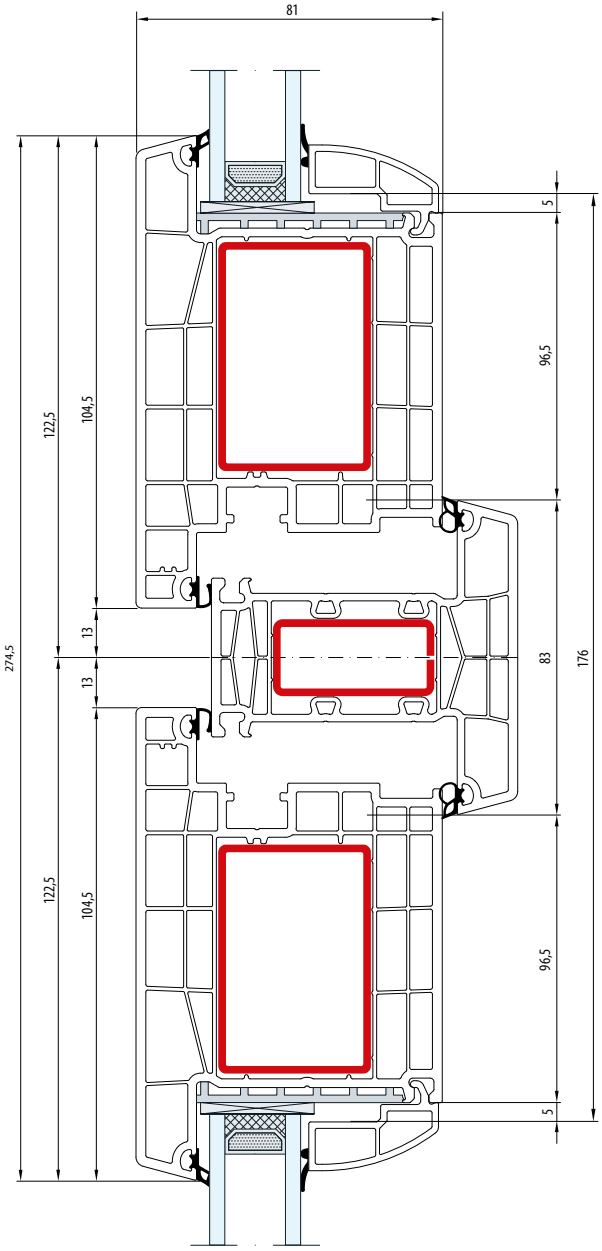

- Słupek stały: 83 mm · Skrzydło: 78 mm
- Meneau fixe: 83 mm · Vantail: 78 mm
- Fix post: 83 mm · Sash: 78 mm
- Festem Pfahl: 83 mm · Flügel: 78 mm
- Montante fisso: 83 mm · Anta: 78 mm
- Vaste stijl: 83 mm · Vleugel: 78 mm



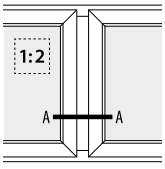


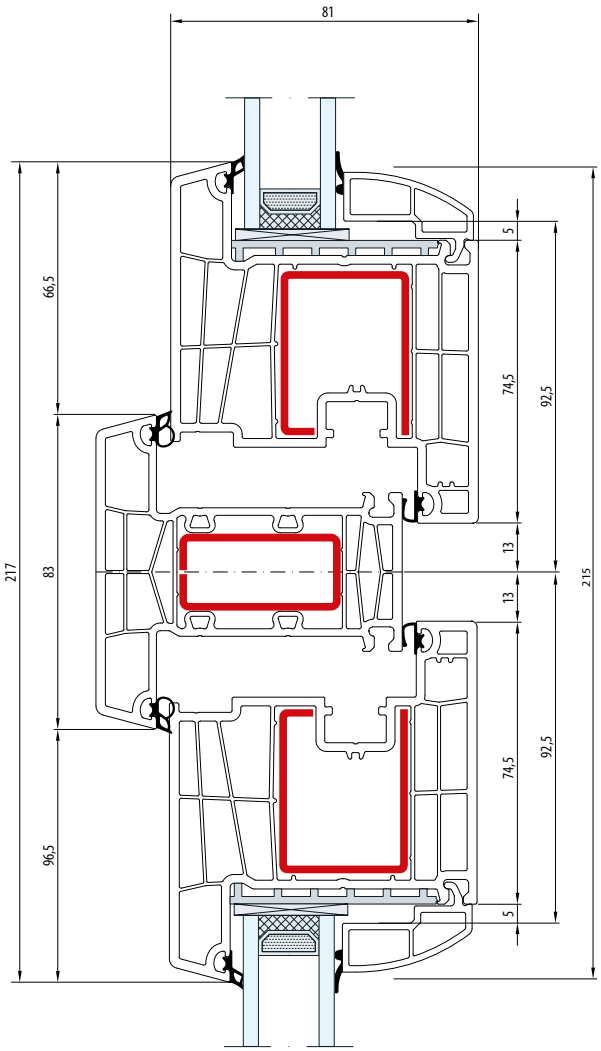

- Słupek stały: 83 mm · Skrzydło: 125 mm
- Meneau fixe: 83 mm · Vantail: 125 mm
- Fix post: 83 mm · Sash: 125 mm
- Festem Pfahl: 83 mm · Flügel: 125 mm
- Montante fisso: 83 mm · Anta: 125 mm
- Vaste stijl: 83 mm · Vleugel: 125 mm



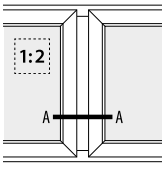


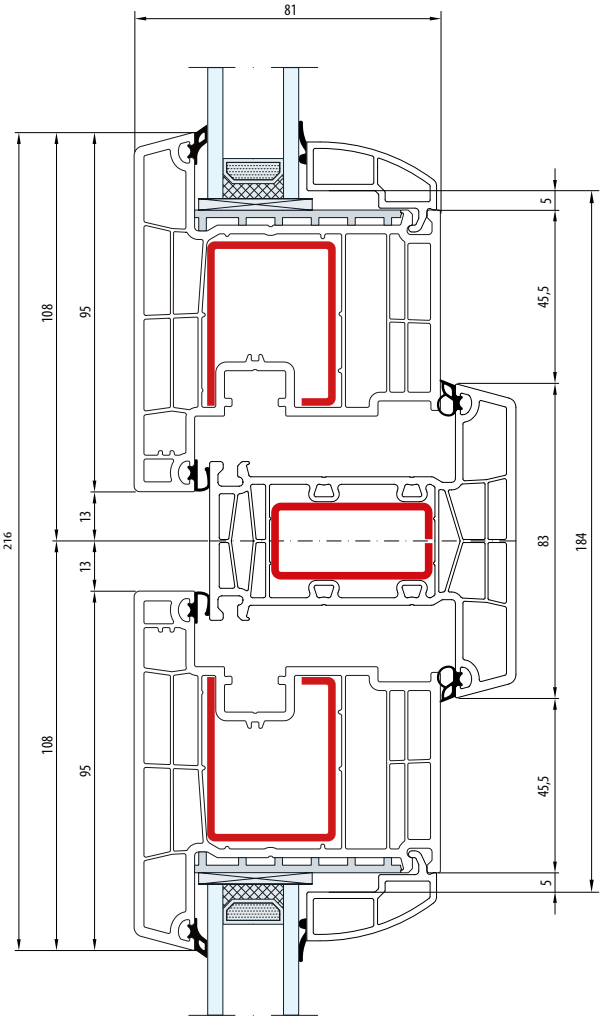

- Słupek stały: 99 mm · Skrzydło: 125 mm
- Meneau fixe: 99 mm · Vantail: 125 mm
- Fix post: 99 mm · Sash: 125 mm
- Festem Pfahl: 99 mm · Flügel: 125 mm
- Montante fisso: 99 mm · Anta: 125 mm
- Vaste stijl: 99 mm · Vleugel: 125 mm



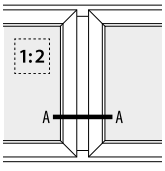



- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm



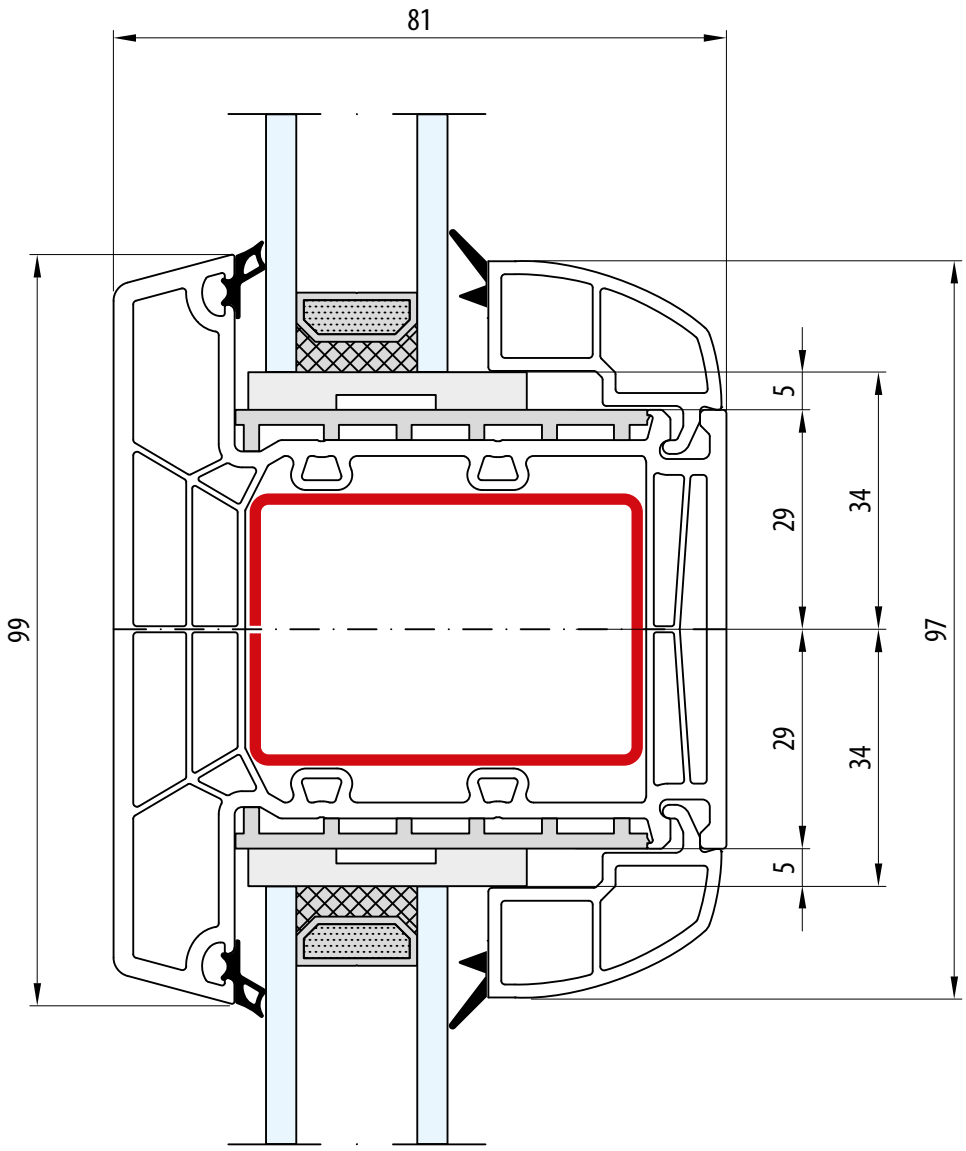



- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm

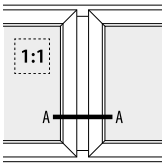


CL

CL
RL

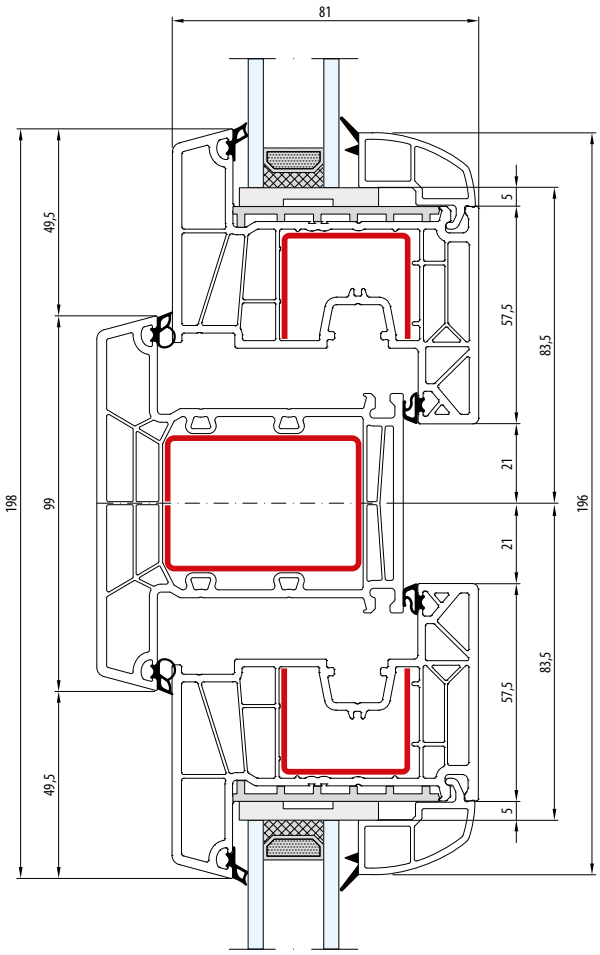



- Słupek stały: 99 mm
- Meneau fixe: 99 mm
- Fix post: 99 mm
- Festem Pfahl: 99 mm
- Montante fisso: 99 mm
- Vaste stijl: 99 mm

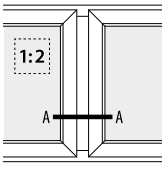


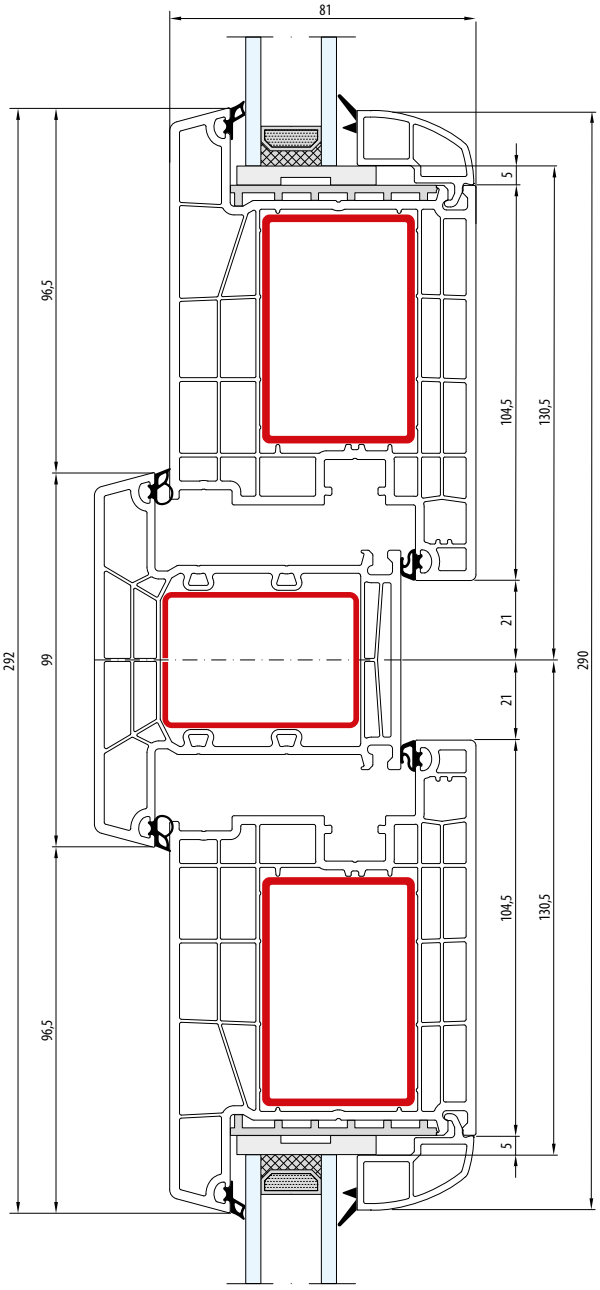
CL

SL
CL
RL

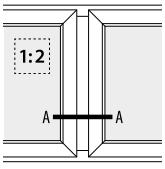


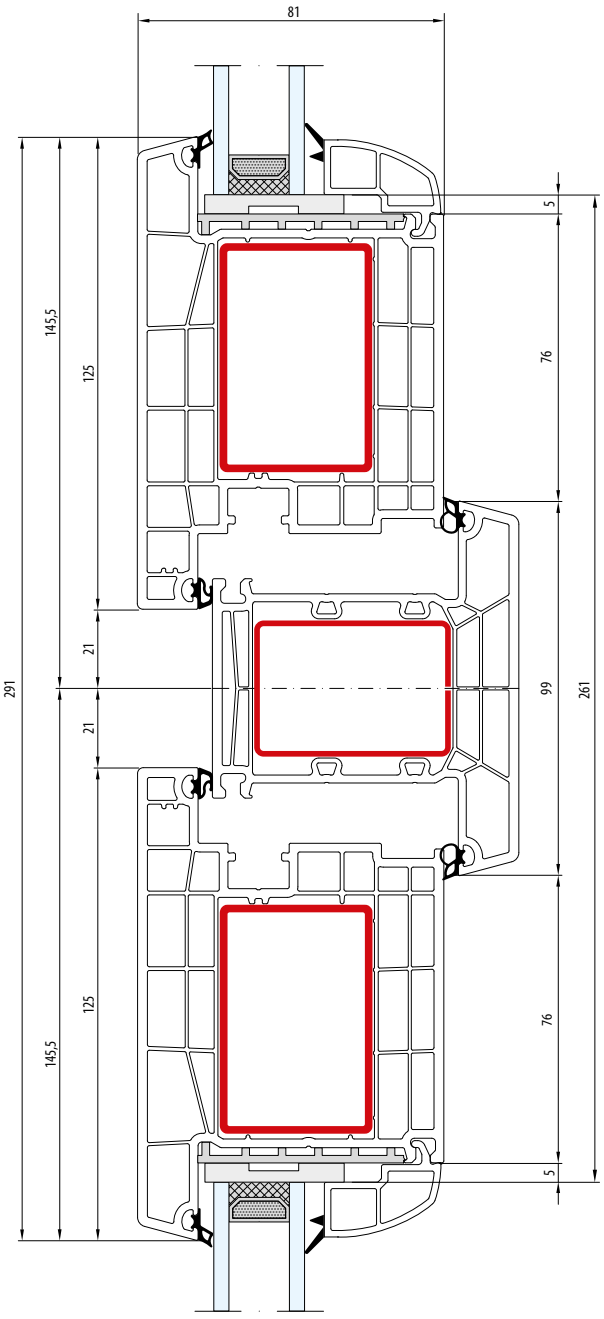

Słupek stały: 99 mm · Skrzydło: 78 mm
Meneau fixe: 99 mm · Vantail: 78 mm
Fix post: 99 mm · Sash: 78 mm
Festem Pfahl: 99 mm · Flügel: 78 mm
Montante fisso: 99 mm · Anta: 78 mm
Vaste stijl: 99 mm · Vleugel: 78 mm



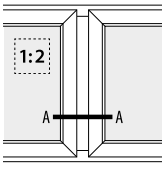


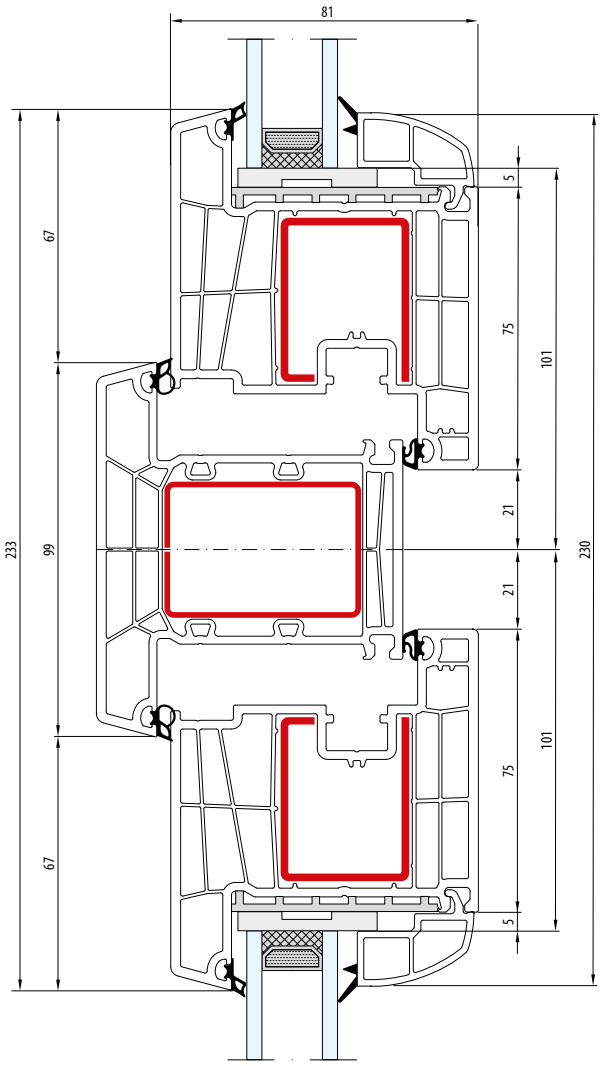

Słupek stały: 99 mm · Skrzydło: 125 mm
Meneau fixe: 99 mm · Vantail: 125 mm
Fix post: 99 mm · Sash: 125 mm
Festem Pfahl: 99 mm · Flügel: 125 mm
Montante fisso: 99 mm · Anta: 125 mm
Vaste stijl: 99 mm · Vleugel: 125 mm



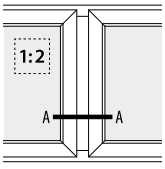


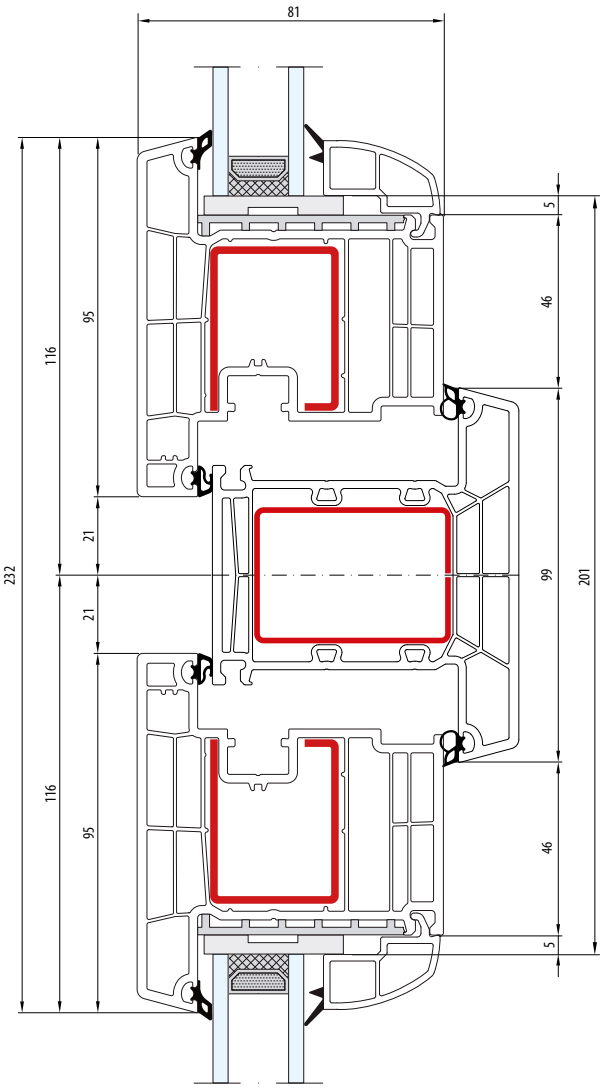

- Słupek stały: 99 mm · Skrzydło: 125 mm
- Meneau fixe: 99 mm · Vantail: 125 mm
- Fix post: 99 mm · Sash: 125 mm
- Festem Pfahl: 99 mm · Flügel: 125 mm
- Montante fisso: 99 mm · Anta: 125 mm
- Vaste stijl: 99 mm · Vleugel: 125 mm



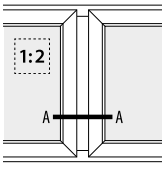



- Słupek stały: 99 mm · Skrzydło: 95 mm
- Meneau fixe: 99 mm · Vantail: 95 mm
- Fix post: 99 mm · Sash: 95 mm
- Festem Pfahl: 99 mm · Flügel: 95 mm
- Montante fisso: 99 mm · Anta: 95 mm
- Vaste stijl: 99 mm · Vleugel: 95 mm



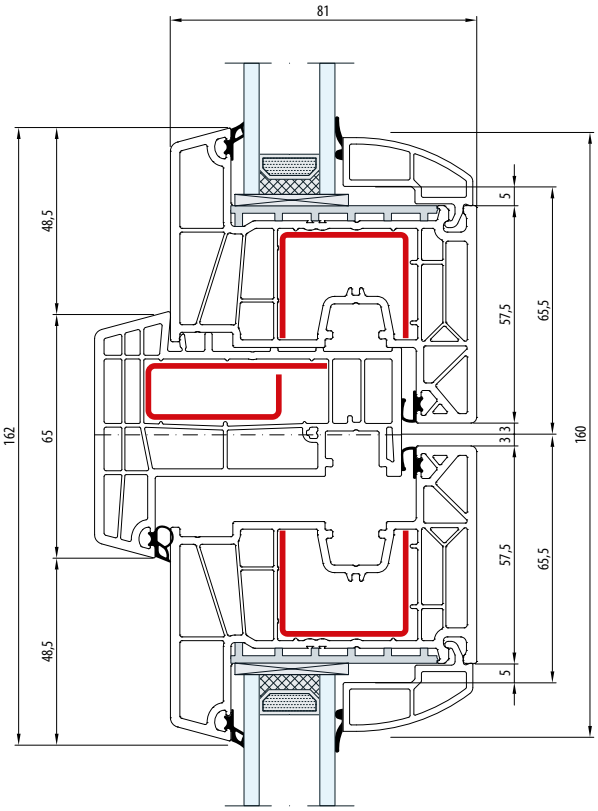



- Słupek stały: 99 mm · Skrzydło: 95 mm
- Meneau fixe: 99 mm · Vantail: 95 mm
- Fix post: 99 mm · Sash: 95 mm
- Festem Pfahl: 99 mm · Flügel: 95 mm
- Montante fisso: 99 mm · Anta: 95 mm
- Vaste stijl: 99 mm · Vleugel: 95 mm

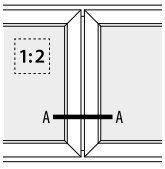


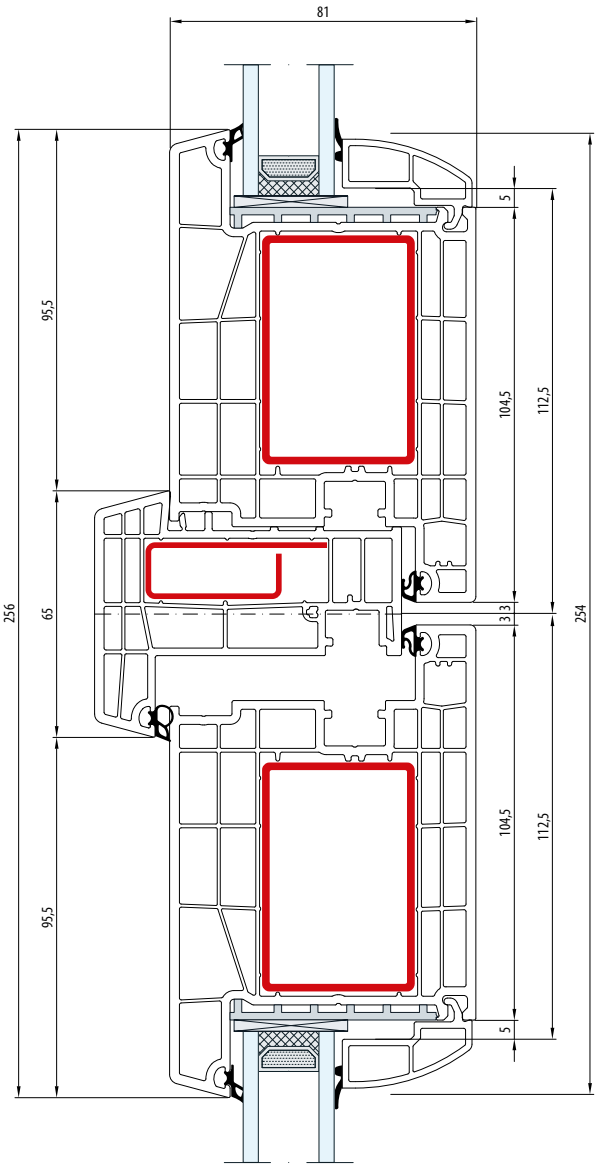
CL

SL
CL
RL

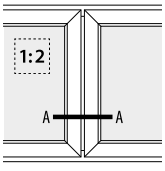


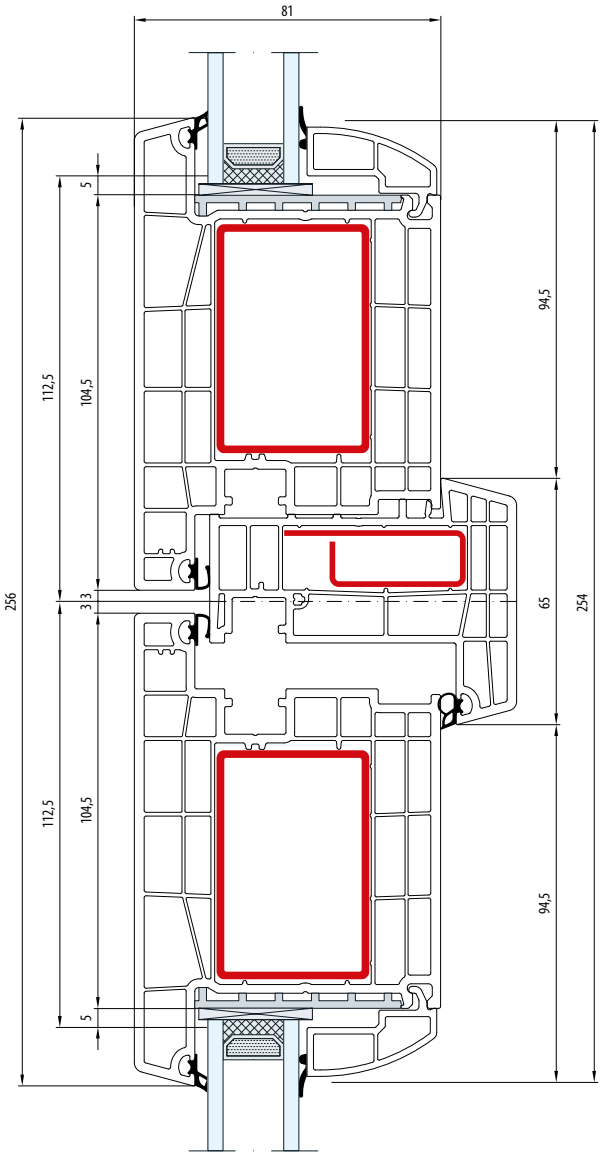

Słupek ruchomy: 65 mm · Skrzydło: 78 mm
Meneau mobile: 65 mm · Vantail: 78 mm
Movable post: 65 mm · Sash: 78 mm
Stulp: 65 mm · Flügel: 78 mm
Montante mobile: 65 mm · Anta: 78 mm
Verplaatsbare stijll: 65 mm · Vleugel: 78 mm



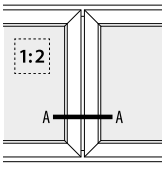



- Słupek ruchomy: 65 mm · Skrzydło: 125 mm
- Meneau mobile: 65 mm · Vantail: 125 mm
- Movable post: 65 mm · Sash: 125 mm
- Stulp: 65 mm · Flügel: 125 mm
- Montante mobile: 65 mm · Anta: 125 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 125 mm






- Słupek ruchomy: 65 mm · Skrzydło: 125 mm
- Meneau mobile: 65 mm · Vantail: 125 mm
- Movable post: 65 mm · Sash: 125 mm
- Stulp: 65 mm · Flügel: 125 mm
- Montante mobile: 65 mm · Anta: 125 mm
- Verplaatsbare stijll: 65 mm · Vleugel: 125 mm



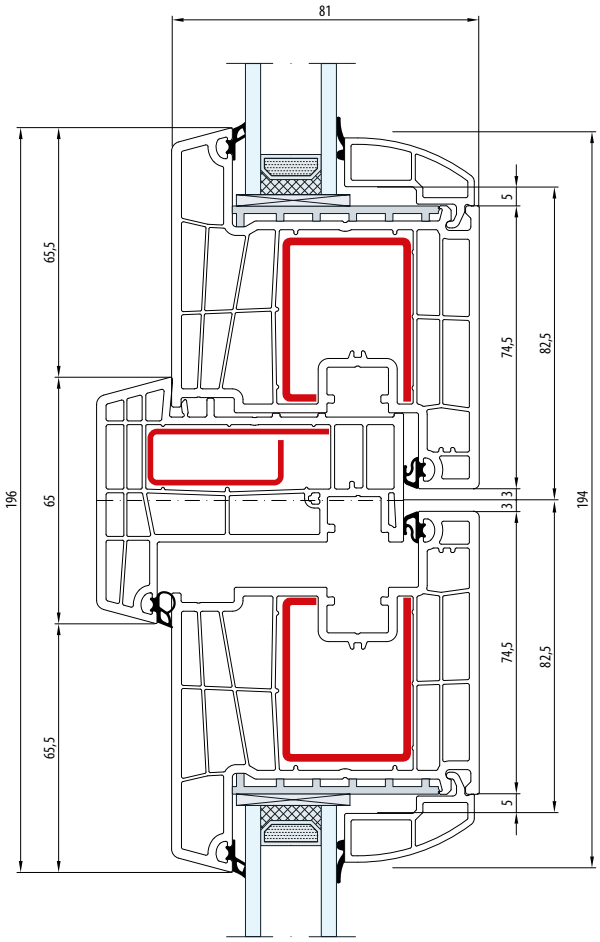




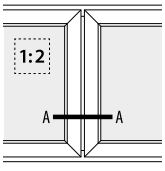


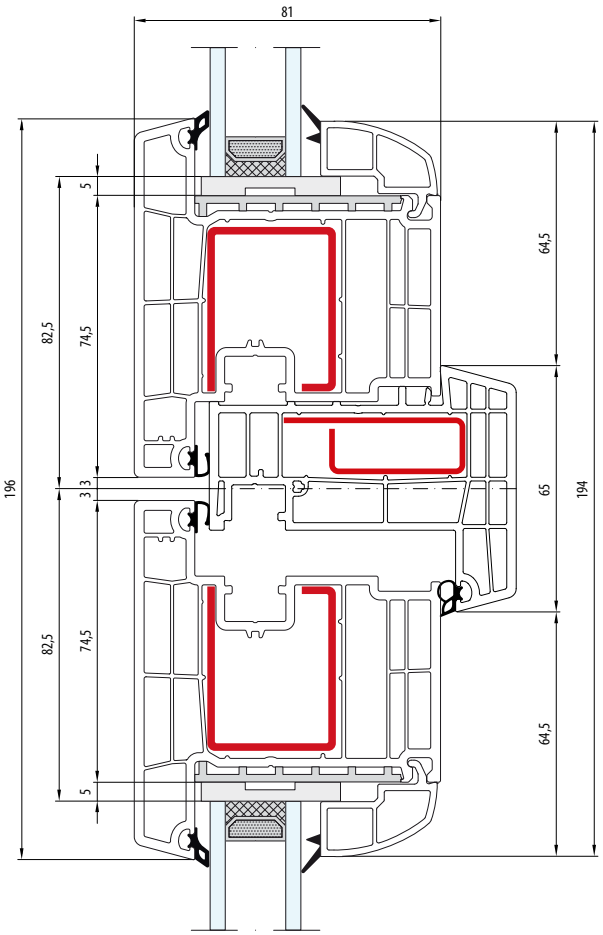




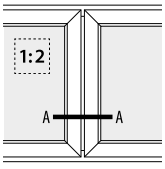


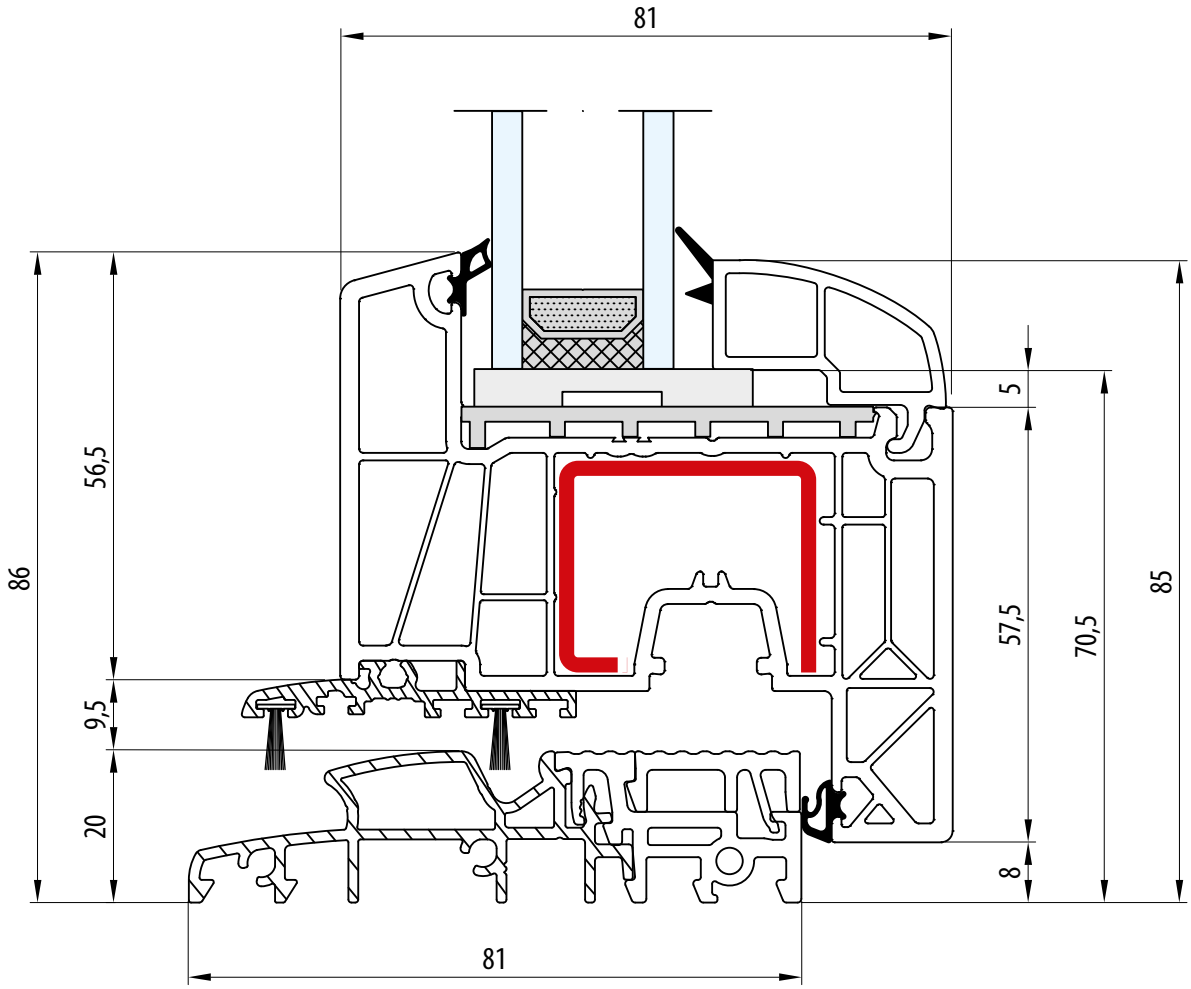

- Słupek ruchomy: 65 mm · Skrzydło: 95 mm
- Meneau mobile: 65 mm · Vantail: 95 mm
- Movable post: 65 mm · Sash: 95 mm
- Stulp: 65 mm · Flügel: 95 mm
- Montante mobile: 65 mm · Anta: 95 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 95 mm



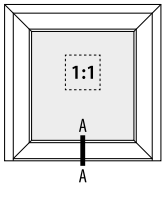


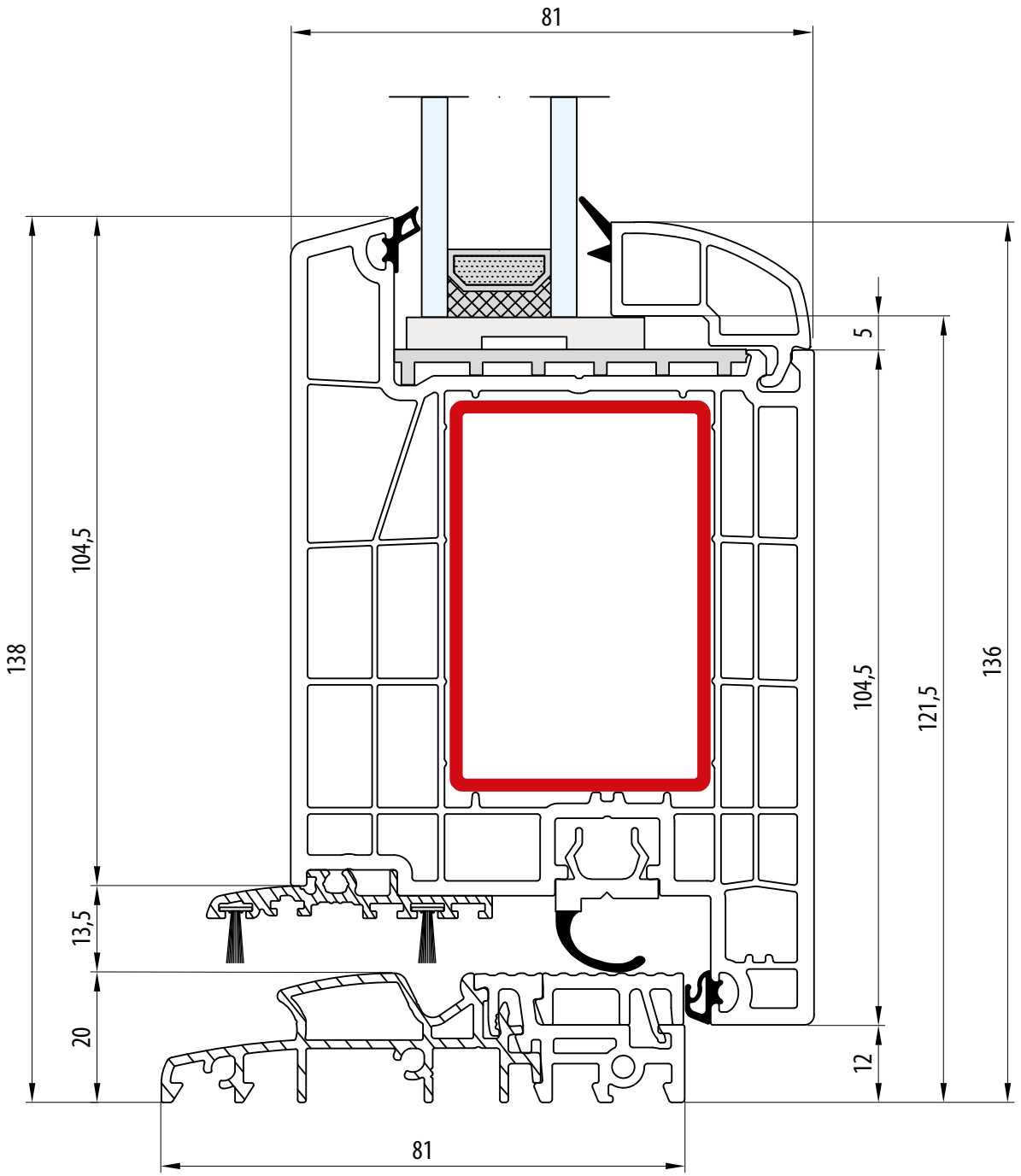

Słupek ruchomy: 65 mm · Skrzydło: 95 mm
Meneau mobile: 65 mm · Vantail: 95 mm
Movable post: 65 mm · Sash: 95 mm
Stulp: 65 mm · Flügel: 95 mm
Montante mobile: 65 mm · Anta: 95 mm
Verplaatsbare stijll: 65 mm · Vleugel: 95 mm



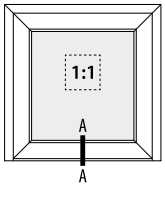


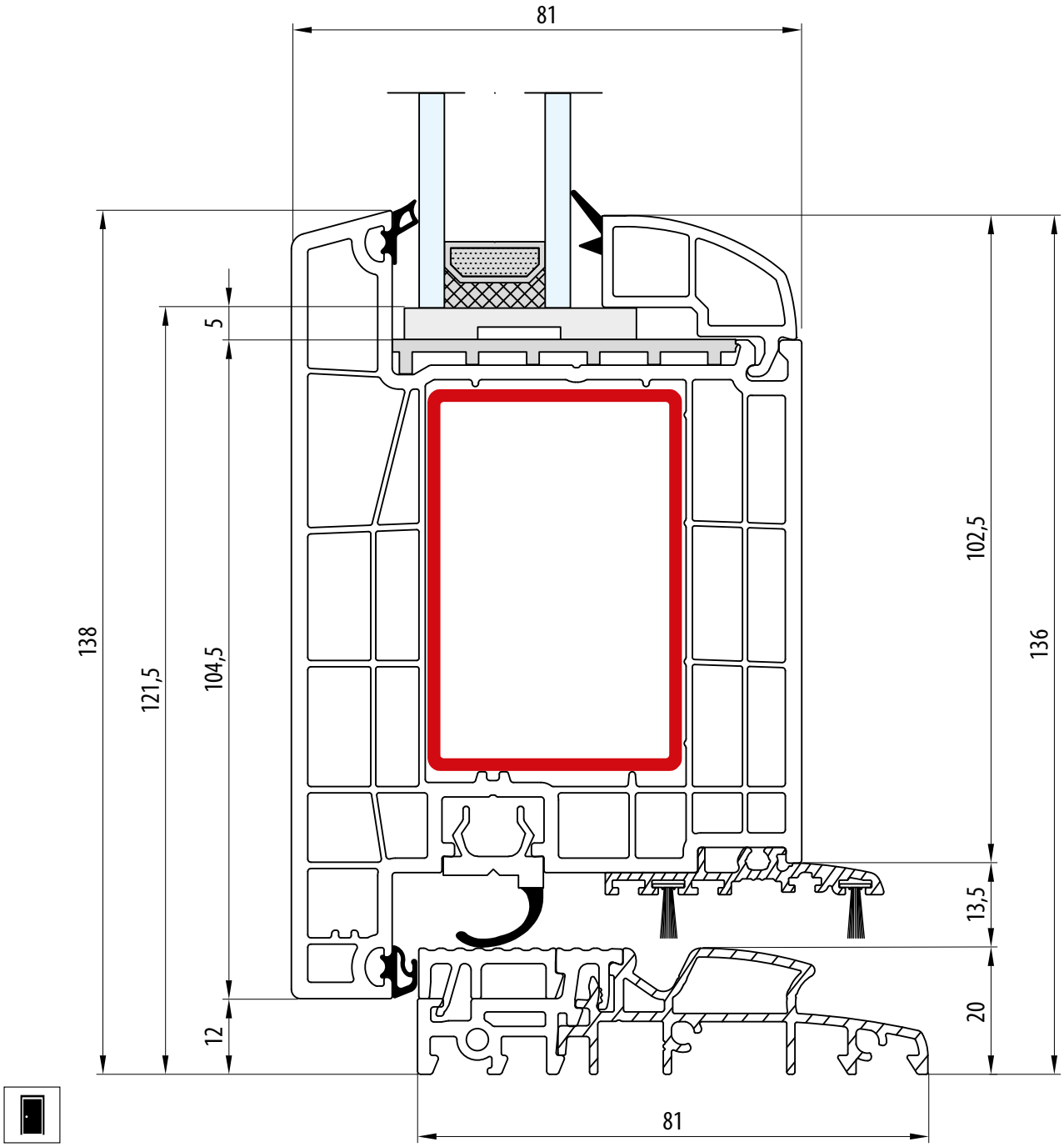

- Próg: 20 mm · Skrzydło: 78 mm
- Seuil: 20 mm · Vantail: 78 mm
- Threshold: 20 mm · Sash: 78 mm
- Schwelle: 20 mm · Flügel: 78 mm
- Soglia: 20 mm · Anta: 78 mm
- Dorpel: 20 mm · Vleugel: 78 mm



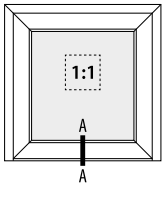


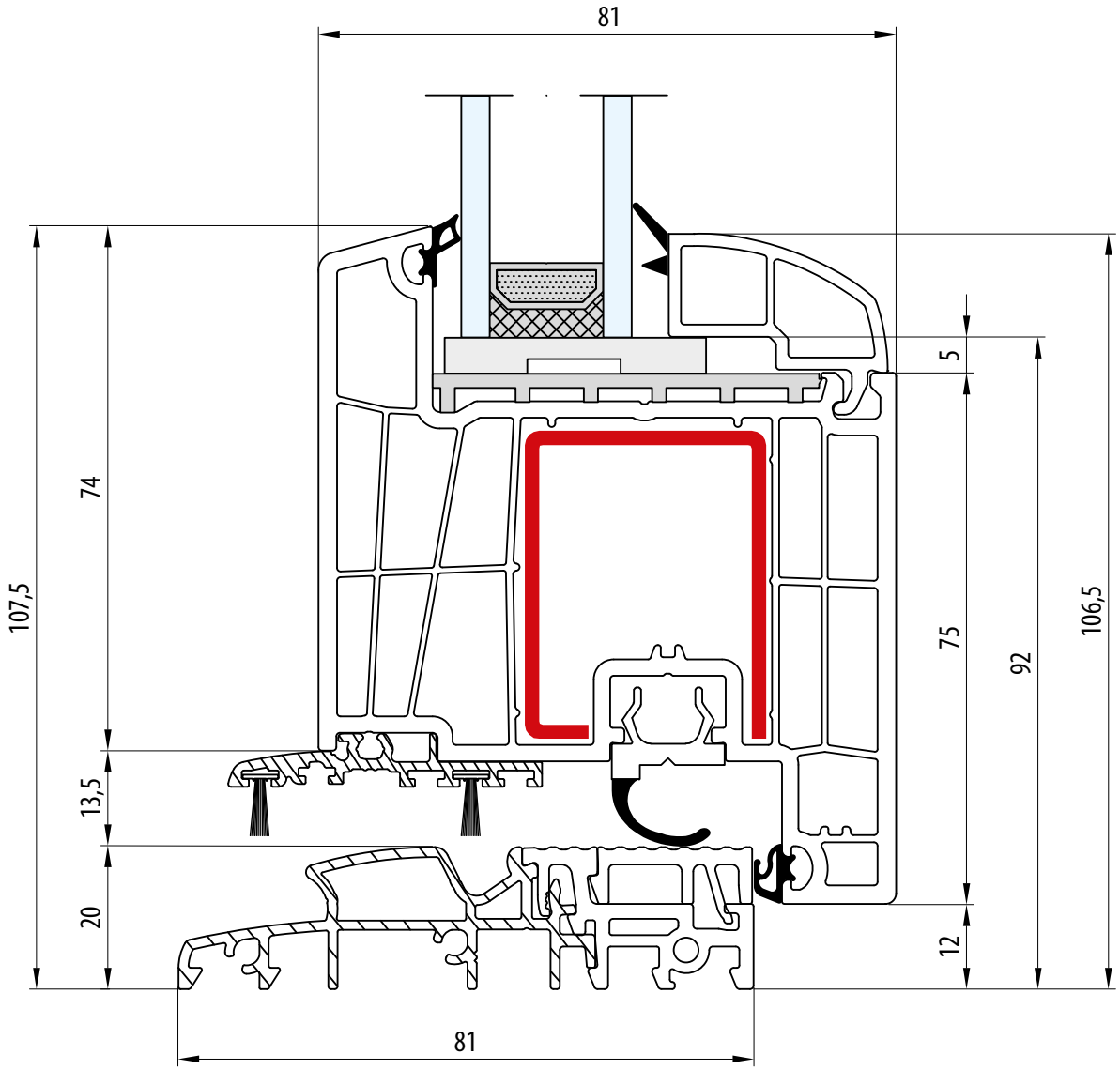

Próg: 20 mm · Skrzydło: 125 mm
Seuil: 20 mm · Vantail: 125 mm
Threshold: 20 mm · Sash: 125 mm
Schwelle: 20 mm · Flügel: 125 mm
Soglia: 20 mm · Anta: 125 mm
Dorpel: 20 mm · Vleugel: 125 mm



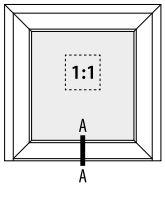


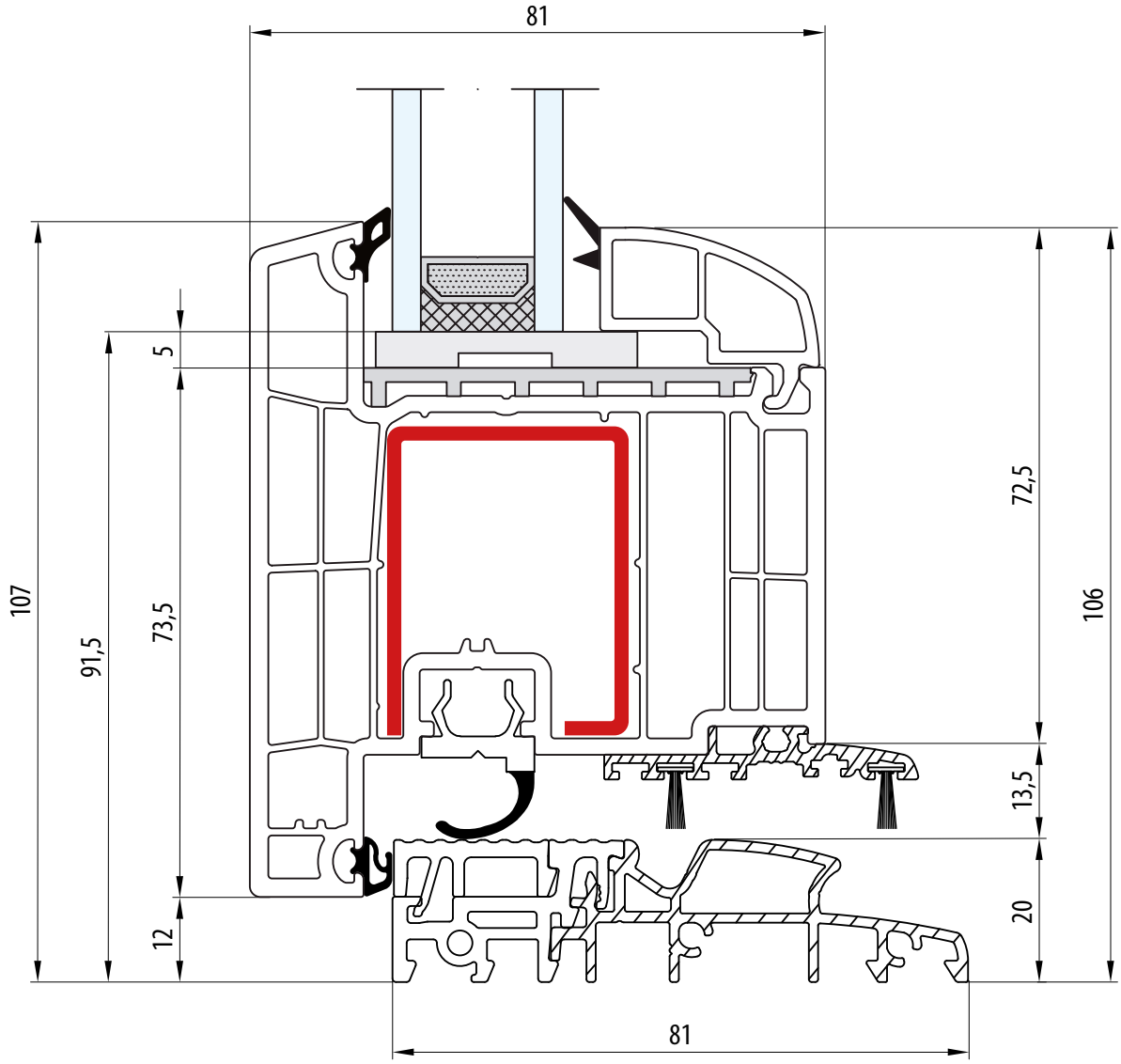

Próg: 20 mm · Skrzydło: 125 mm
Seuil: 20 mm · Vantail: 125 mm
Threshold: 20 mm · Sash: 125 mm
Schwelle: 20 mm · Flügel: 125 mm
Soglia: 20 mm · Anta: 125 mm
Dorpel: 20 mm · Vleugel: 125 mm



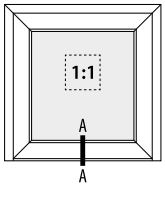



Próg: 20 mm · Skrzydło: 95 mm
Seuil: 20 mm · Vantail: 95 mm
Threshold: 20 mm · Sash: 95 mm
Schwelle: 20 mm · Flügel: 95 mm
Soglia: 20 mm · Anta: 95 mm
Dorpel: 20 mm · Vleugel: 95 mm



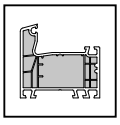


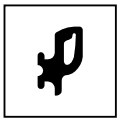

Próg: 20 mm · Skrzydło: 95 mm
Seuil: 20 mm · Vantail: 95 mm
Threshold: 20 mm · Sash: 95 mm
Schwelle: 20 mm · Flügel: 95 mm
Soglia: 20 mm · Anta: 95 mm
Dorpel: 20 mm · Vleugel: 95 mm

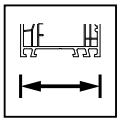


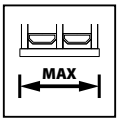
# EKOSUN 6 NL



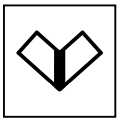

5/6

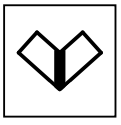

2


120

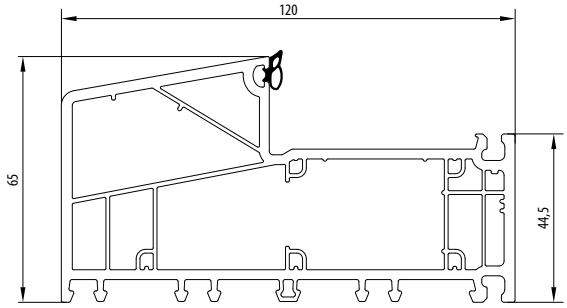


55

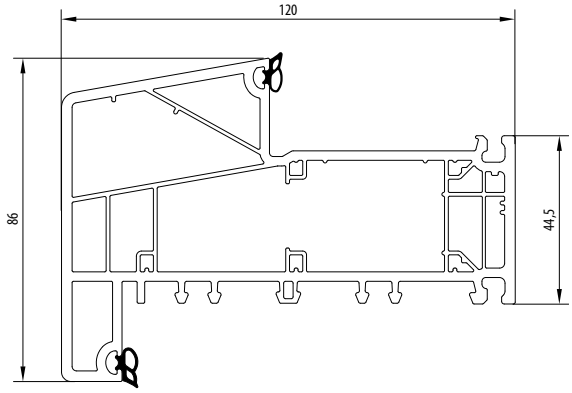




HFL

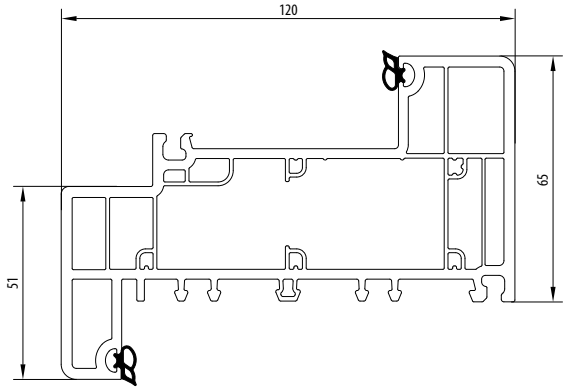




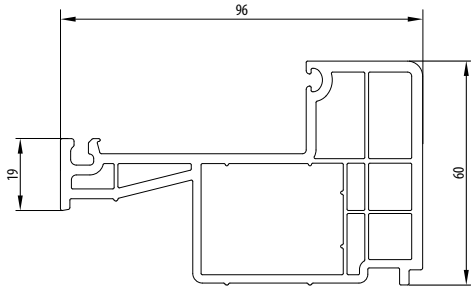

CL A* CLASS 8112



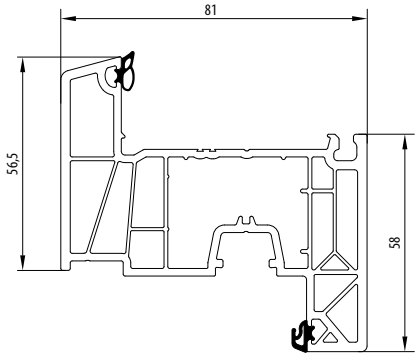

CL A* CLASS 8113



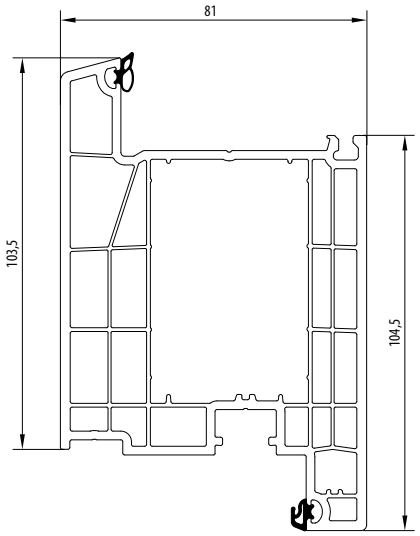

CL A* CLASS 8114



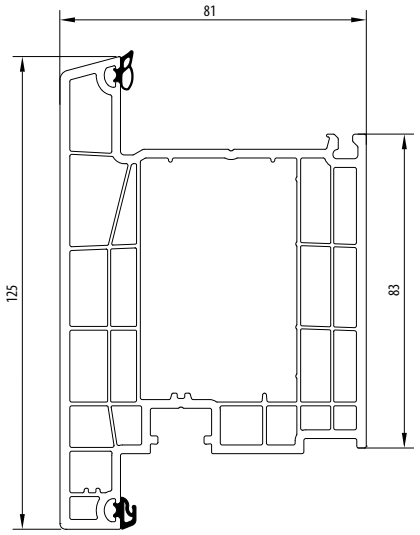

CL 8190



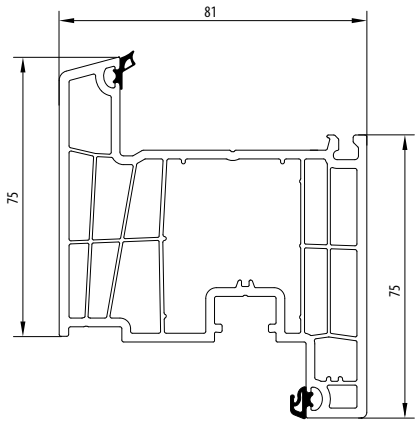

CL 8220



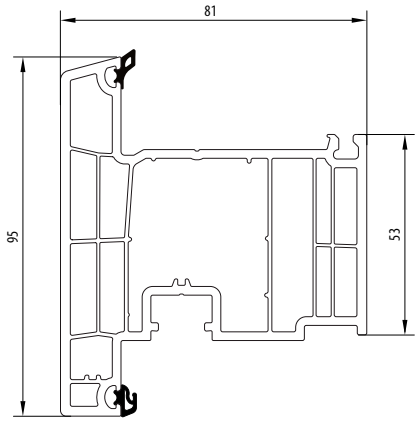

CL 8224



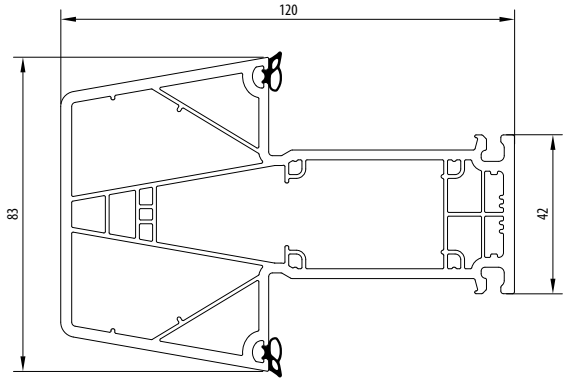

CL 8225



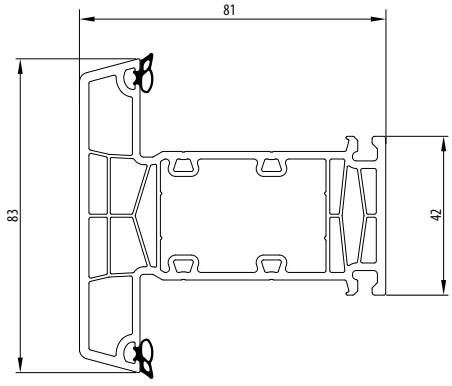

CL 8226



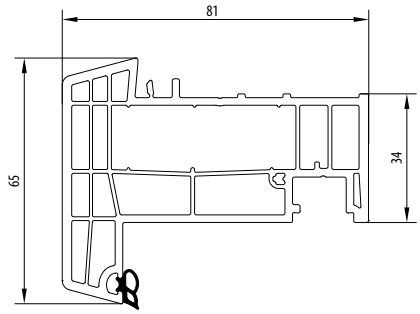

CL 8227



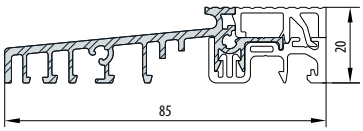

CL A* CLASS 8130



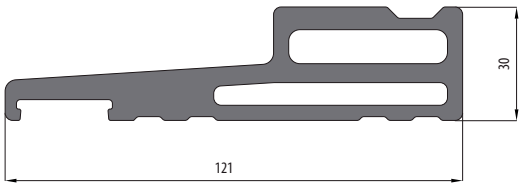

CL 8230



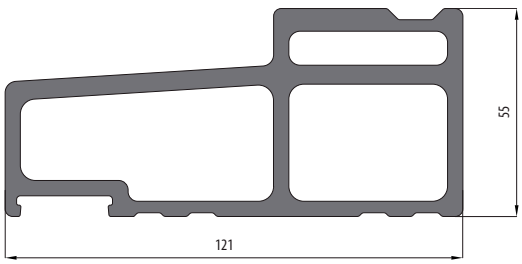

CL 8232




alu - 20 mm

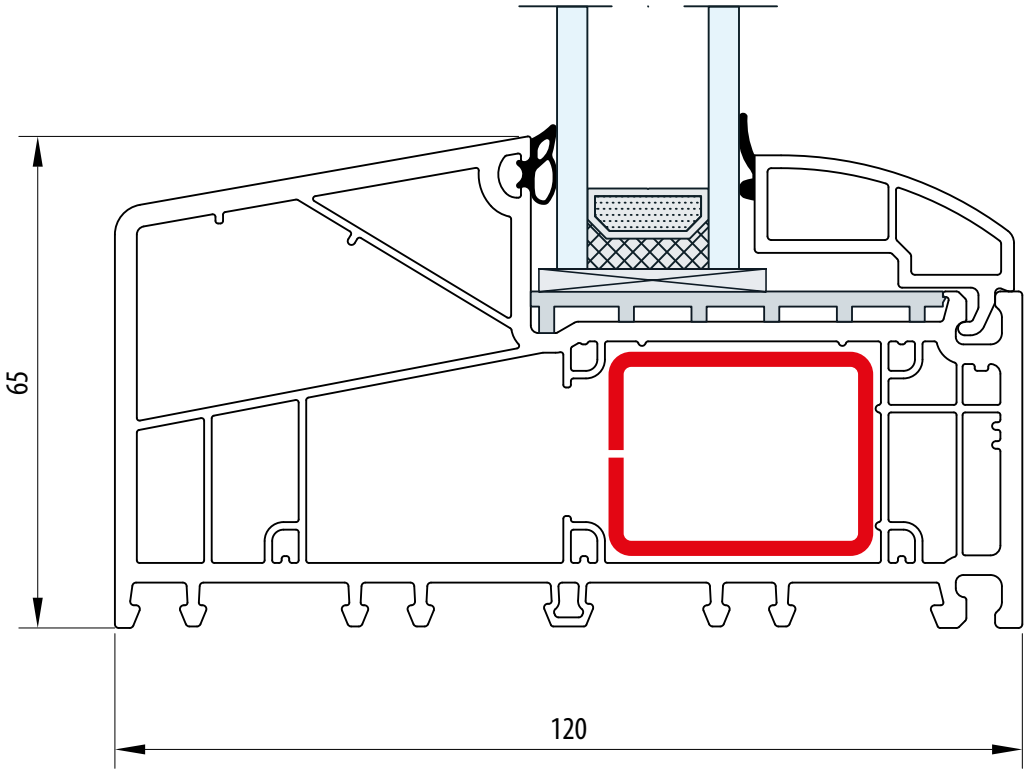



buva - 30 mm

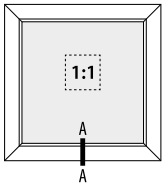


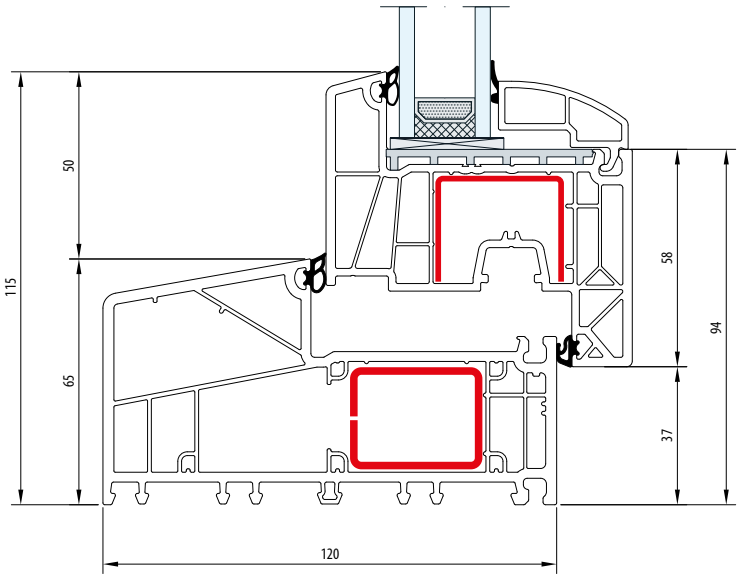

buva - 55 mm

1:2

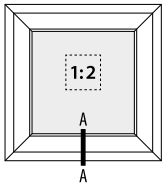


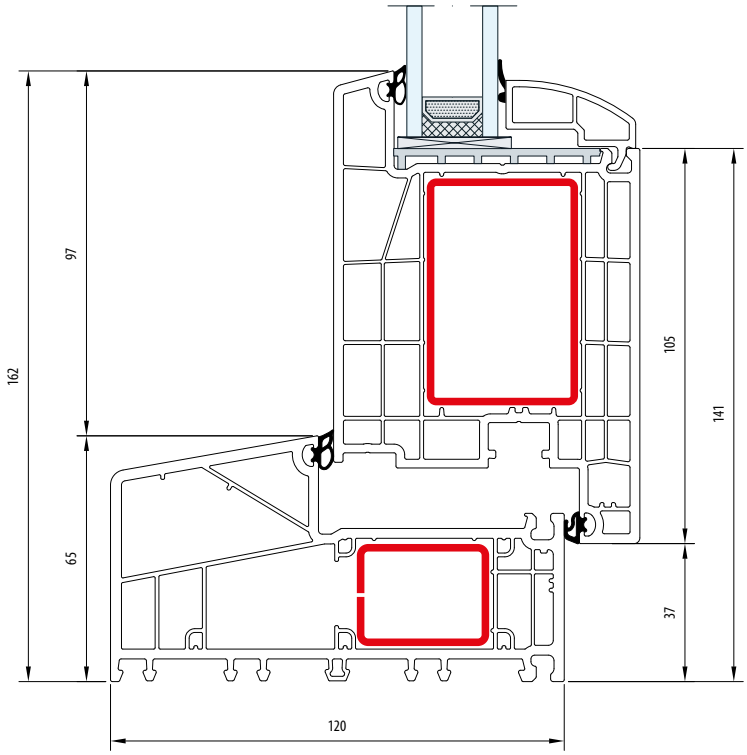

Rama: 65 mm
Dormant: 65 mm
Frame: 65 mm
Rahmen: 65 mm
Telaio: 65 mm
Kader: 65 mm



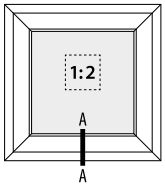


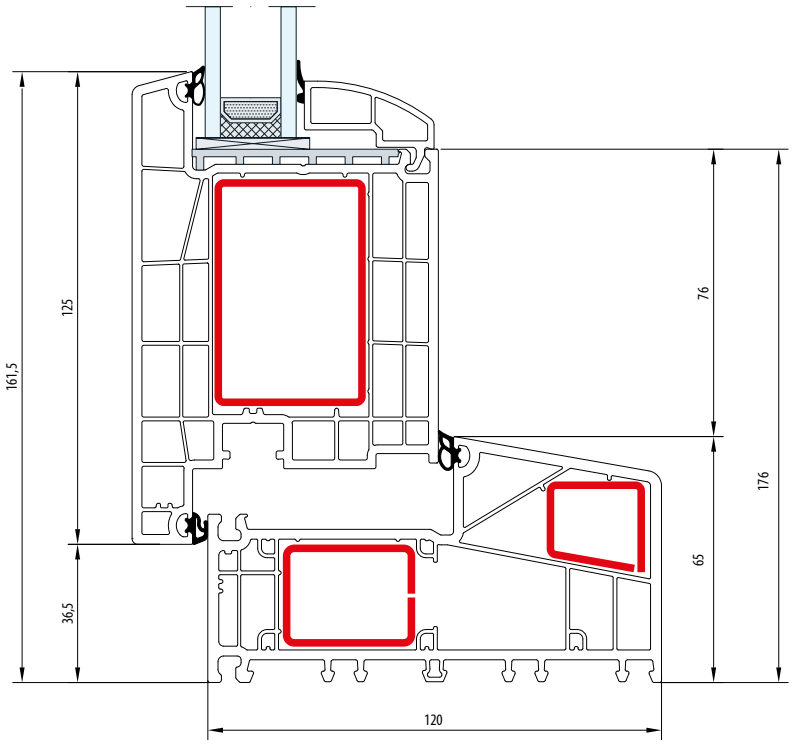

Rama: 65 mm · Skrzydło: 78 mm
Dormant: 65 mm · Vantail: 78 mm
Frame: 65 mm · Sash: 78 mm
Rahmen: 65 mm · Flügel: 78 mm
Telaio: 65 mm · Anta: 78 mm
Kader: 65 mm · Vleugel: 78 mm



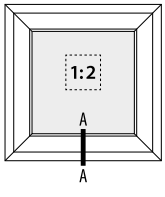


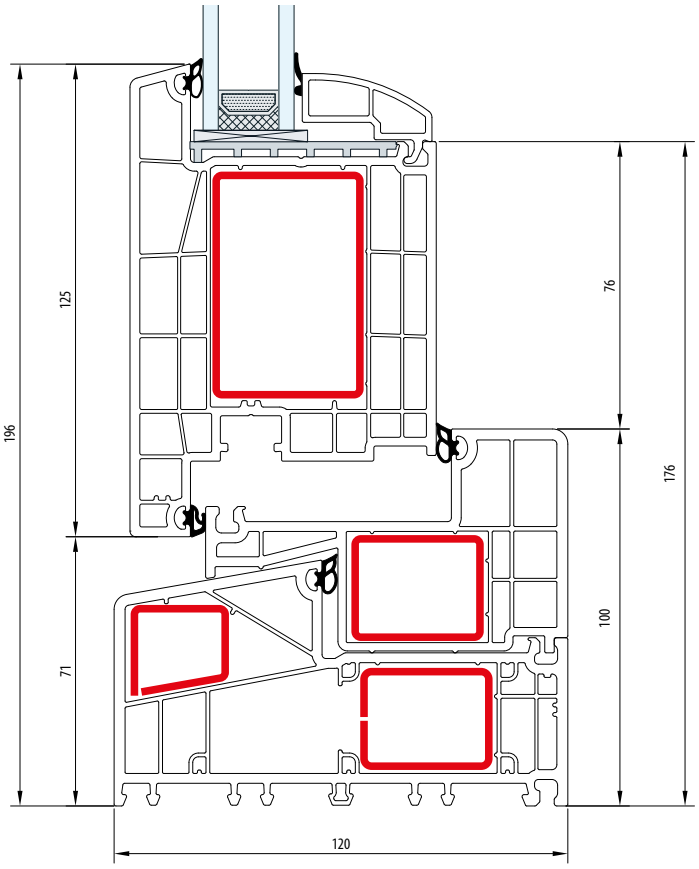

- Rama: 65 mm · Skrzydło: 125 mm
- Dormant: 65 mm · Vantail: 125 mm
- Frame: 65 mm · Sash: 125 mm
- Rahmen: 65 mm · Flügel: 125 mm
- Telaio: 65 mm · Anta: 125 mm
- Kader: 65 mm · Vleugel: 125 mm



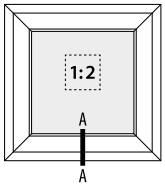


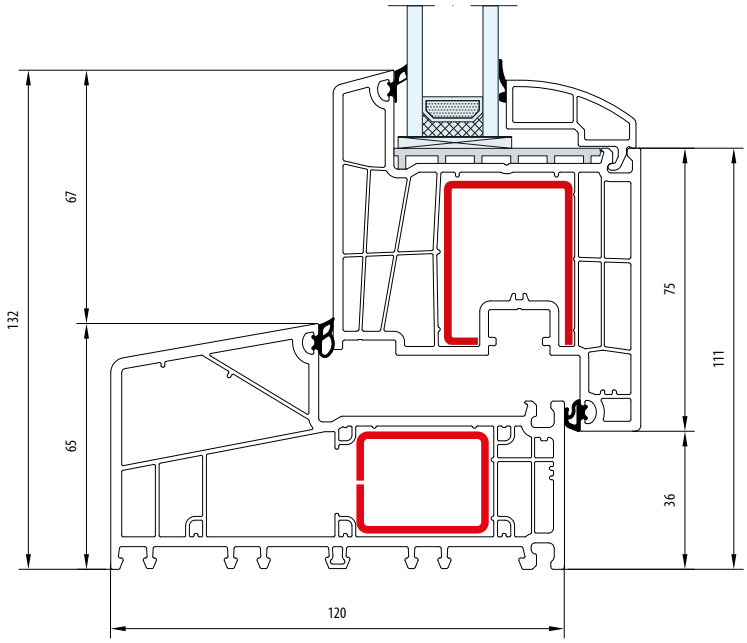

- Rama: 65 · Skrzydło: 125 mm
- Dormant: 65 mm · Vantail: 125 mm
- Frame: 65 mm · Sash: 125 mm
- Rahmen: 65 mm · Flügel: 125 mm
- Telaio: 65 mm · Anta: 125 mm
- Kader: 65 mm · Vleugel: 125 mm



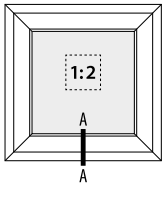


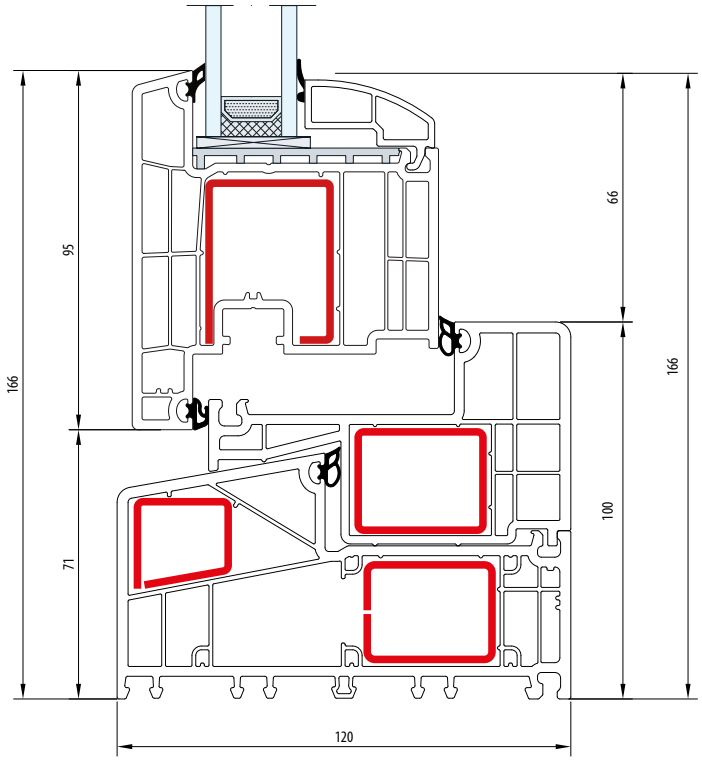

- Rama: 65 mm · Skrzydło: 125 mm
- Dormant: 65 mm · Vantail: 125 mm
- Frame: 65 mm · Sash: 125 mm
- Rahmen: 65 mm · Flügel: 125 mm
- Telaio: 65 mm · Anta: 125 mm
- Kader: 65 mm · Vleugel: 125 mm



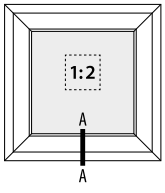


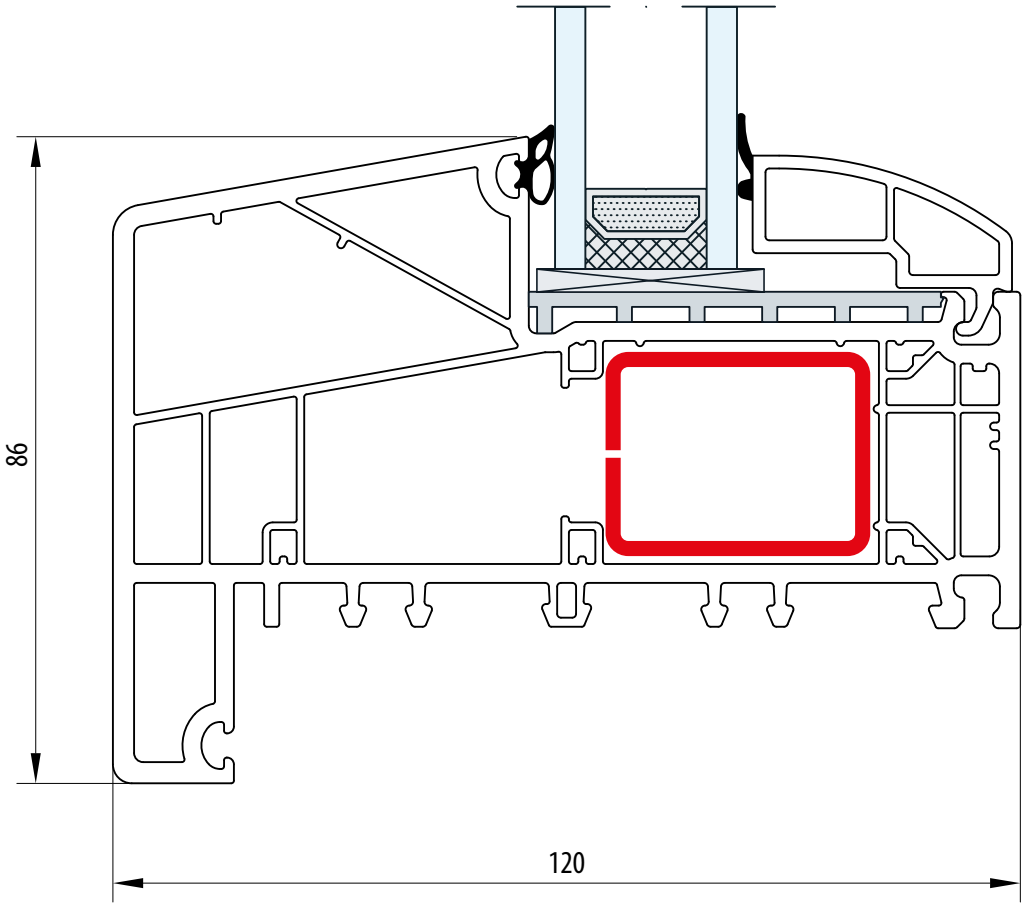

- Rama: 65 · Skrzydło: 95 mm
- Dormant: 65 mm · Vantail: 95 mm
- Frame: 65 mm · Sash: 95 mm
- Rahmen: 65 mm · Flügel: 95 mm
- Telaio: 65 mm · Anta: 95 mm
- Kader: 65 mm · Vleugel: 95 mm



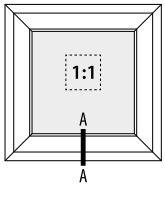


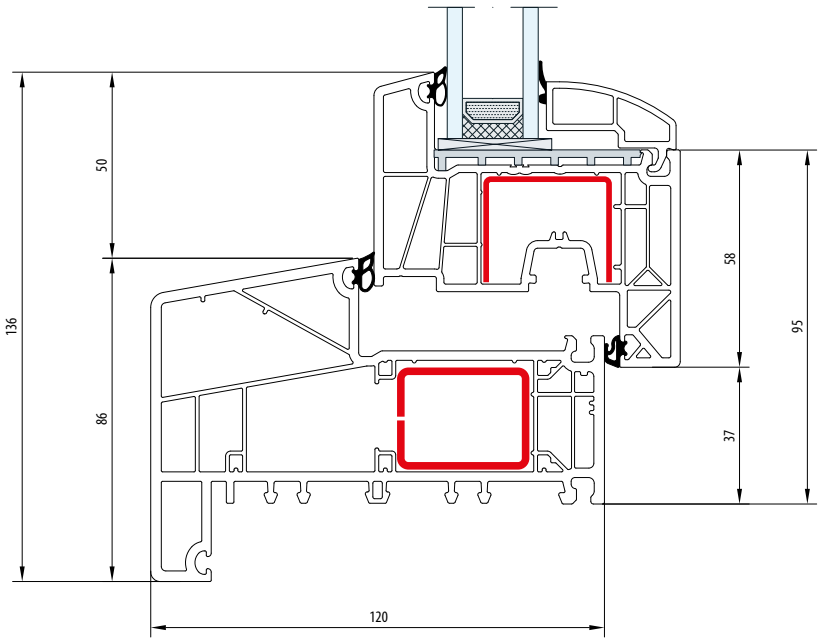

- Rama: 65 mm · Skrzydło: 95 mm
- Dormant: 65 mm · Vantail: 95 mm
- Frame: 65 mm · Sash: 95 mm
- Rahmen: 65 mm · Flügel: 95 mm
- Telaio: 65 mm · Anta: 95 mm
- Kader: 65 mm · Vleugel: 95 mm



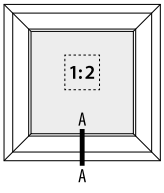


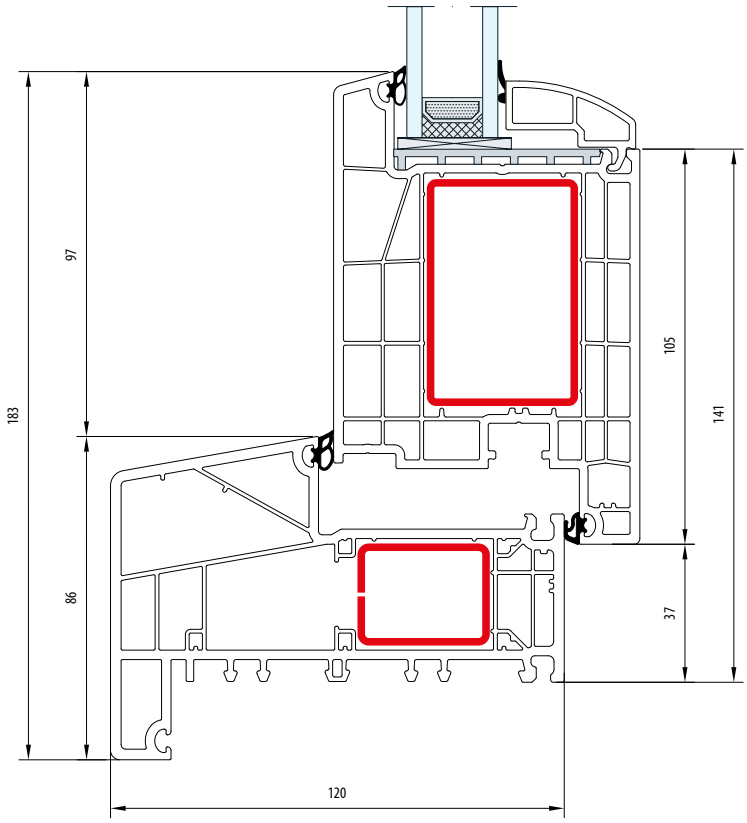

Rama: 85,5 mm
Dormant: 85,5 mm
Frame: 85,5 mm
Rahmen: 85,5 mm
Telaio: 85,5 mm
Kader: 85,5 mm



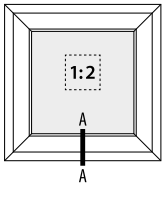


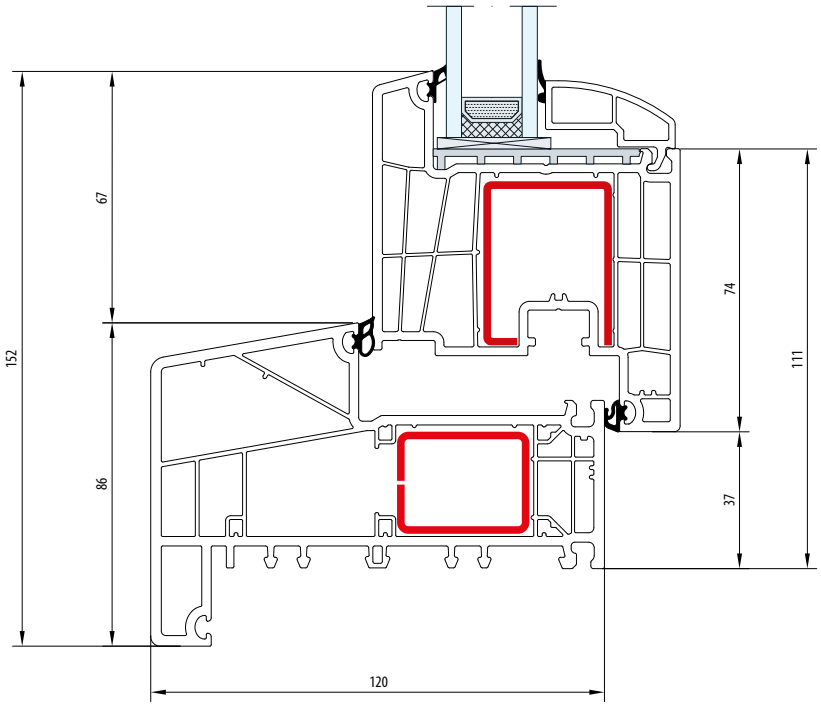

Rama: 85,5 mm · Skrzydło: 78 mm
Dormant: 85,5 mm · Vantail: 78 mm
Frame: 85,5 mm · Sash: 78 mm
Rahmen: 85,5 mm · Flügel: 78 mm
Telaio: 85,5 mm · Anta: 78 mm
Kader: 85,5 mm · Vleugel: 78 mm



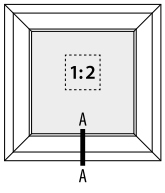


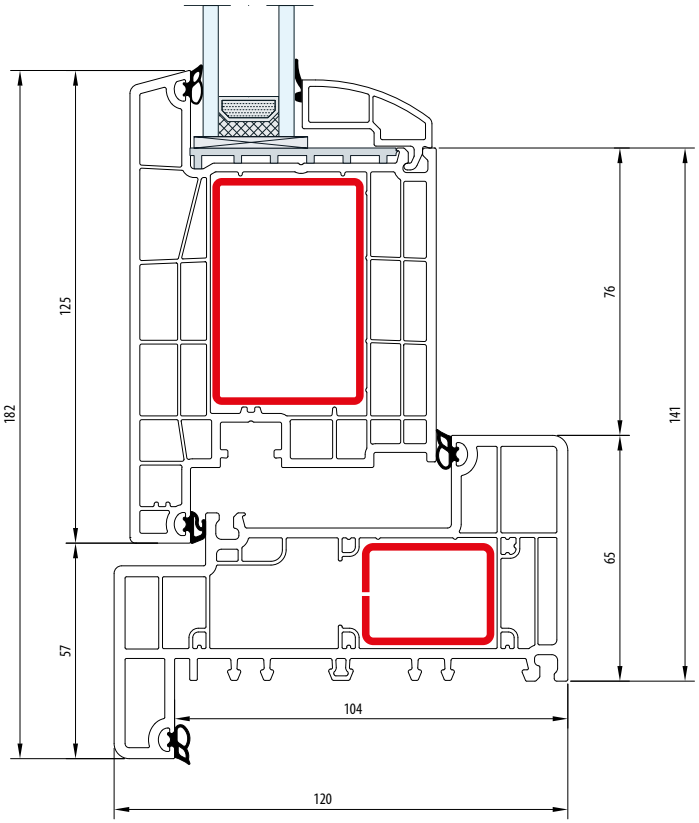

Rama: 85,5 mm · Skrzydło: 125 mm
Dormant: 85,5 mm · Vantail: 125 mm
Frame: 85,5 mm · Sash: 125 mm
Rahmen: 85,5 mm · Flügel: 125 mm
Telaio: 85,5 mm · Anta: 125 mm
Kader: 85,5 mm · Vleugel: 125 mm



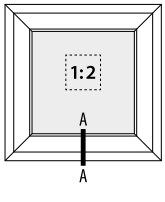


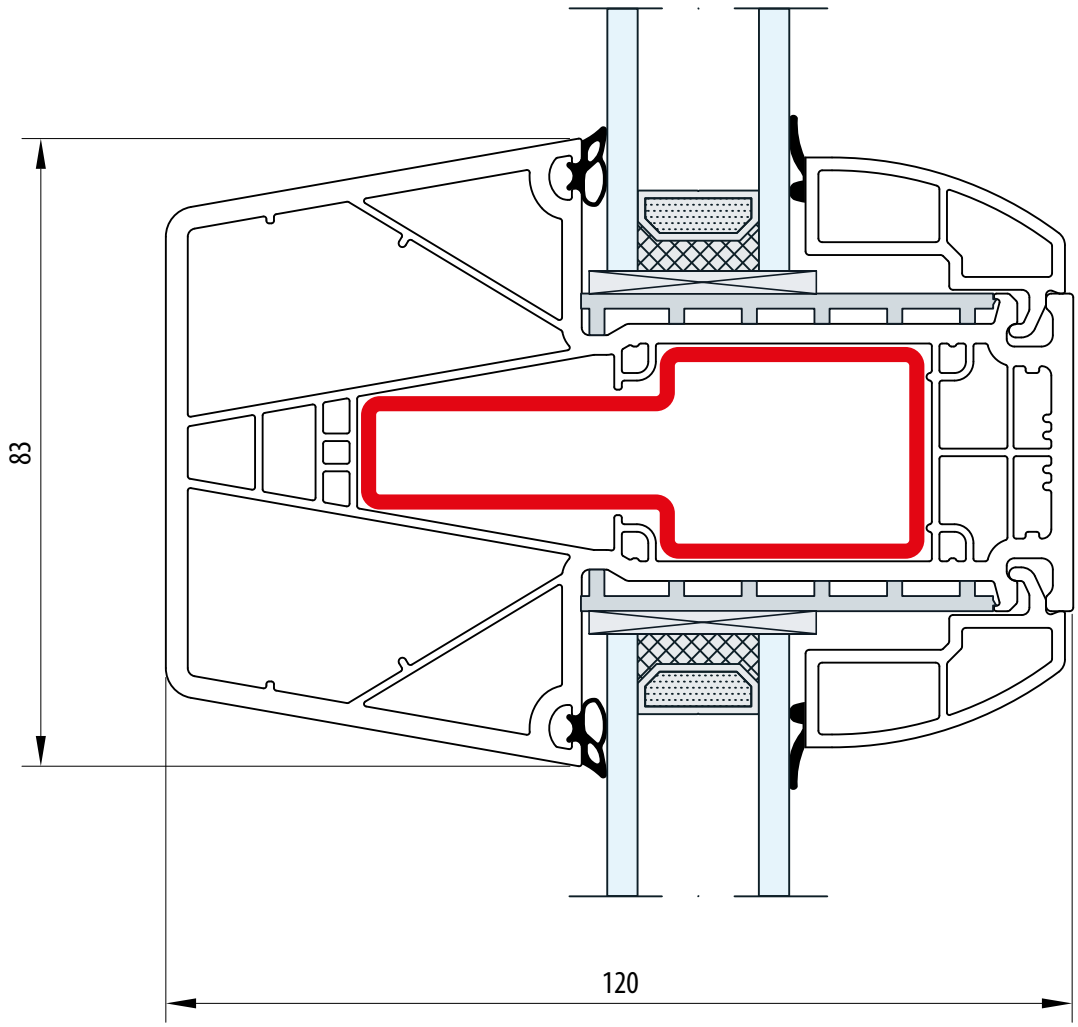

Rama: 85,5 mm · Skrzydło: 95 mm
Dormant: 85,5 mm · Vantail: 95 mm
Frame: 85,5 mm · Sash: 95 mm
Rahmen: 85,5 mm · Flügel: 95 mm
Telaio: 85,5 mm · Anta: 95 mm
Kader: 85,5 mm · Vleugel: 95 mm



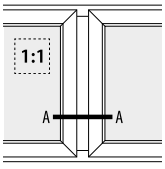


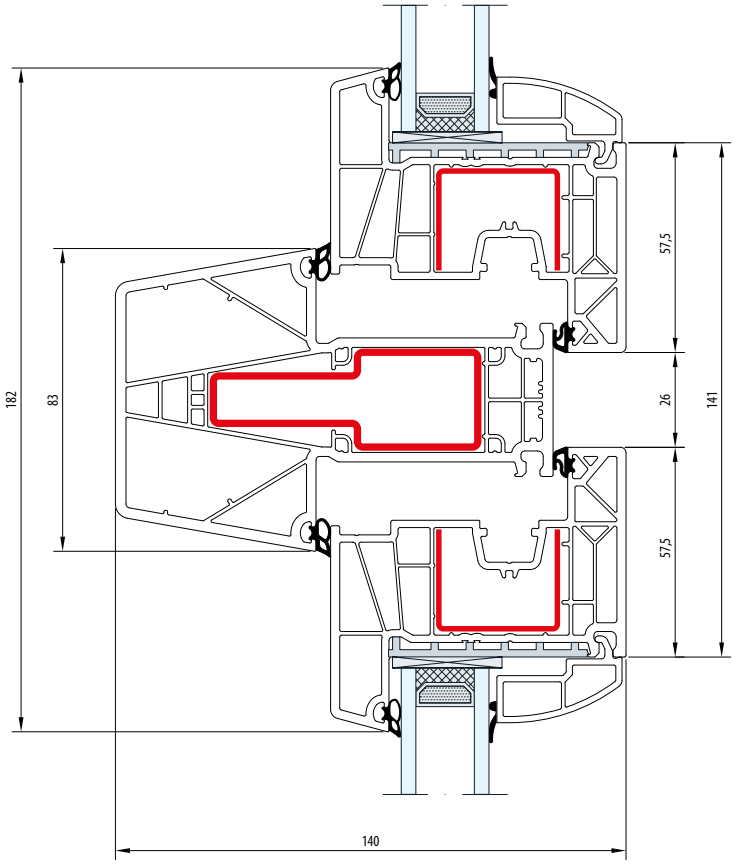

- Rama: 85,5 mm · Skrzydło: 125 mm
- Dormant: 85,5 mm · Vantail: 125 mm
- Frame: 85,5 mm · Sash: 125 mm
- Rahmen: 85,5 mm · Flügel: 125 mm
- Telaio: 85,5 mm · Anta: 125 mm
- Kader: 85,5 mm · Vleugel: 125 mm



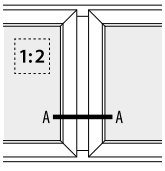


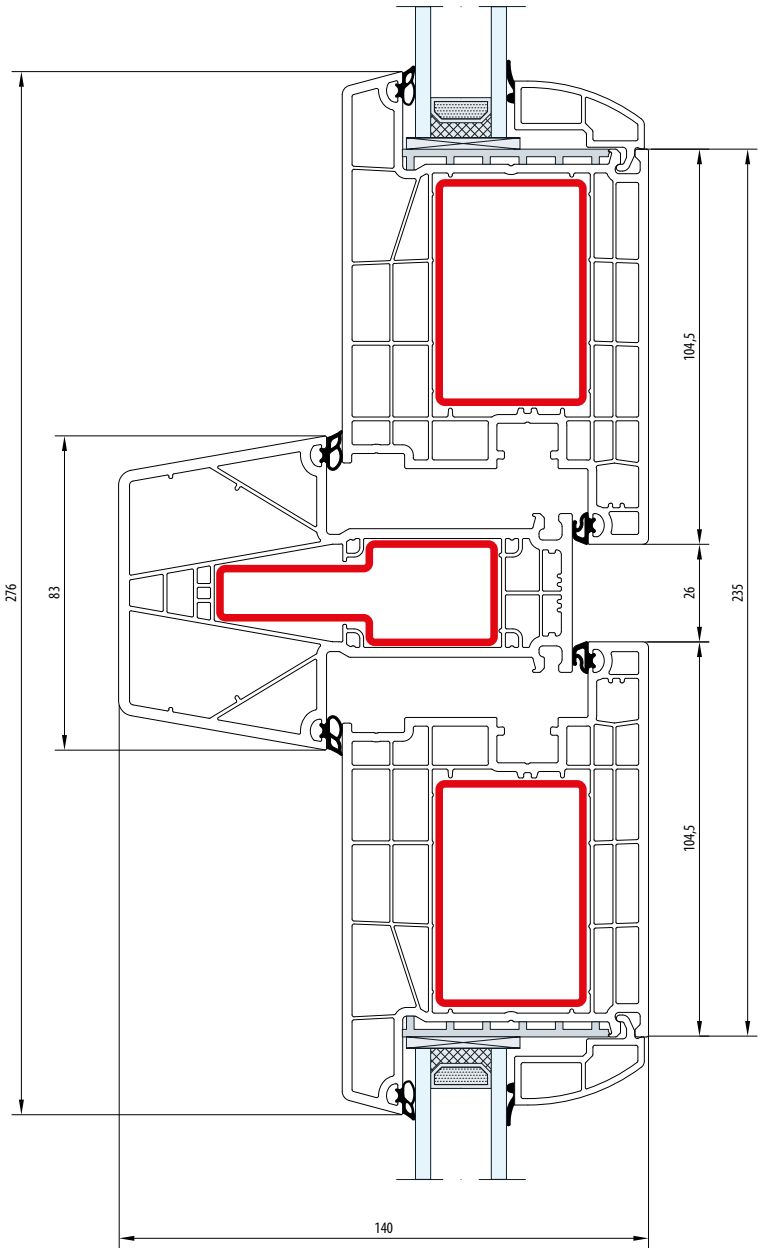

- Słupek stały: 83 mm
- Meneau fixe: 83 mm
- Fix post: 83 mm
- Festem Pfahl: 83 mm
- Montante fisso: 83 mm
- Vaste stijl: 83 mm



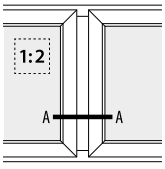


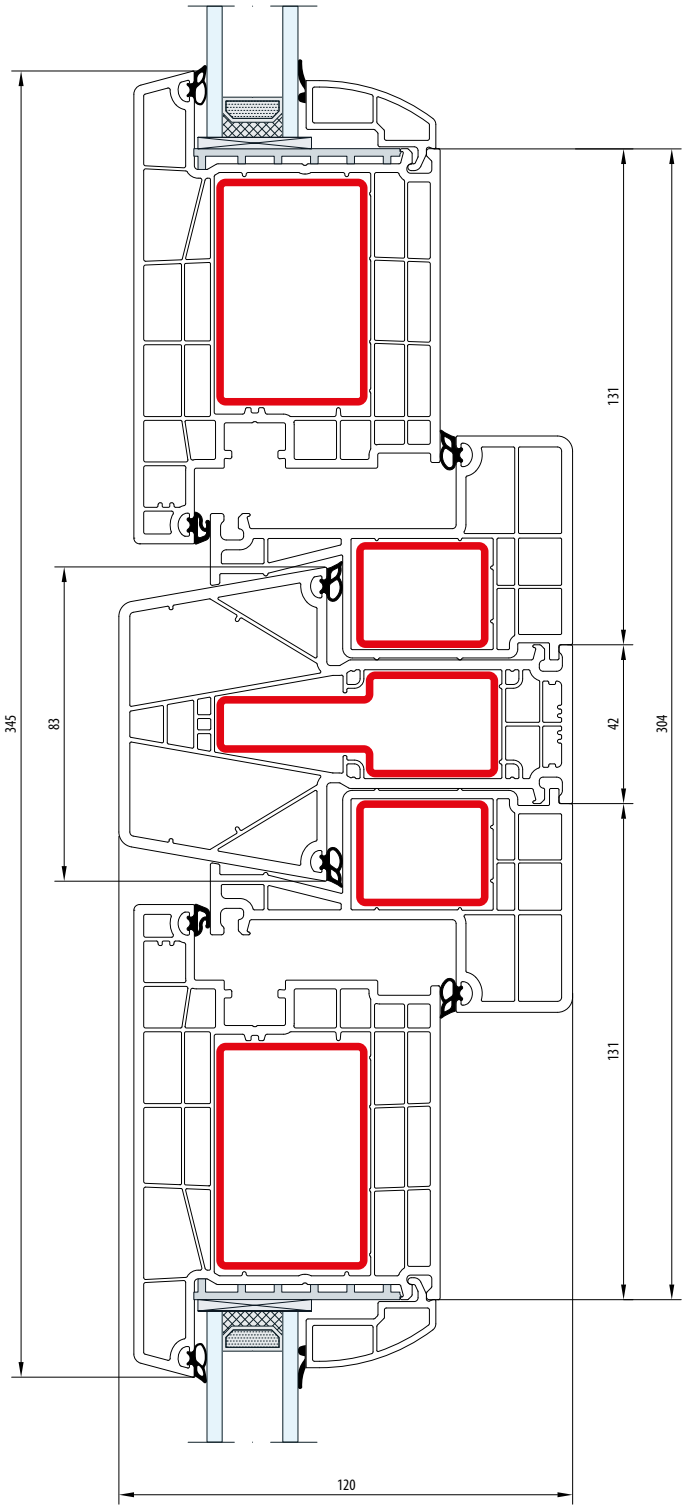

- Słupek stały: 83 mm · Skrzydło: 78 mm
- Meneau fixe: 83 mm · Vantail: 78 mm
- Fix post: 83 mm · Sash: 78 mm
- Festem Pfahl: 83 mm · Flügel: 78 mm
- Montante fisso: 83 mm · Anta: 78 mm
- Vaste stijl: 83 mm · Vleugel: 78 mm



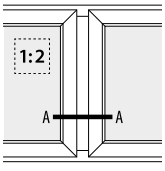


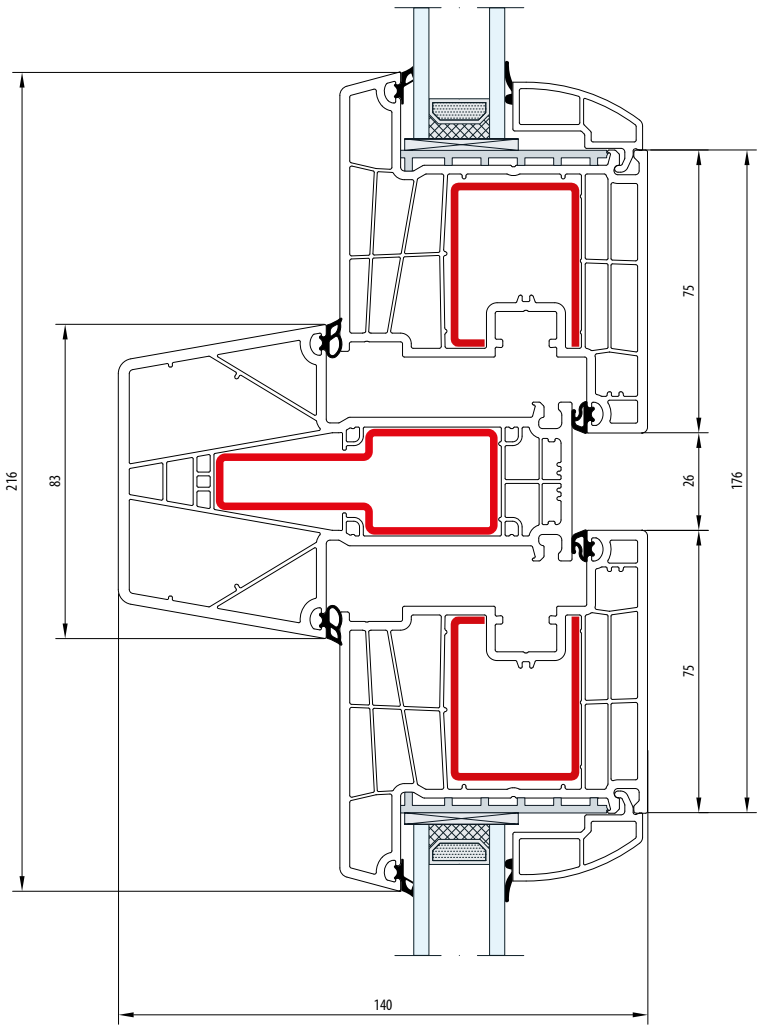

- Słupek stały: 83 mm · Skrzydło: 125 mm
- Meneau fixe: 83 mm · Vantail: 125 mm
- Fix post: 83 mm · Sash: 125 mm
- Festem Pfahl: 83 mm · Flügel: 125 mm
- Montante fisso: 83 mm · Anta: 125 mm
- Vaste stijl: 83 mm · Vleugel: 125 mm



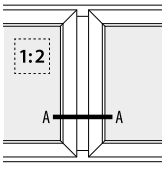


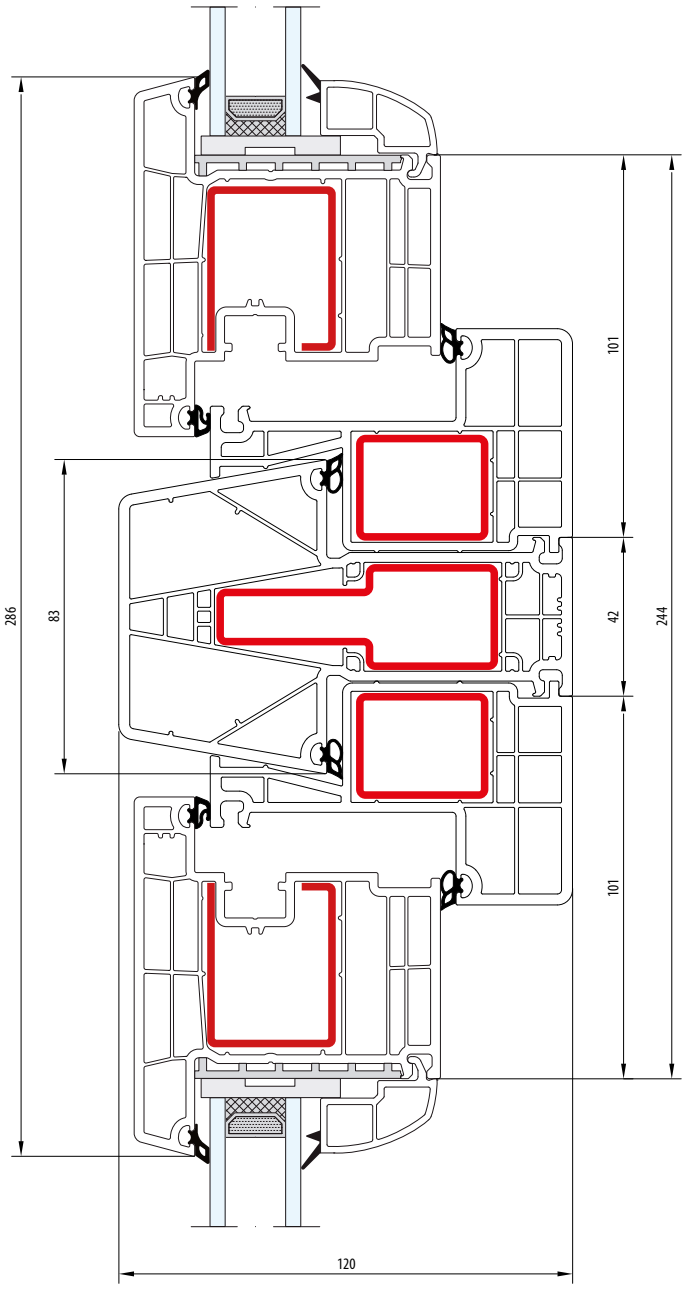

- Słupek stały: 83 mm · Skrzydło: 125 mm
- Meneau fixe: 83 mm · Vantail: 125 mm
- Fix post: 83 mm · Sash: 125 mm
- Festem Pfahl: 83 mm · Flügel: 125 mm
- Montante fisso: 83 mm · Anta: 125 mm
- Vaste stijl: 83 mm · Vleugel: 125 mm



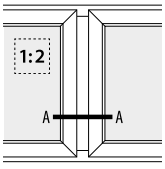


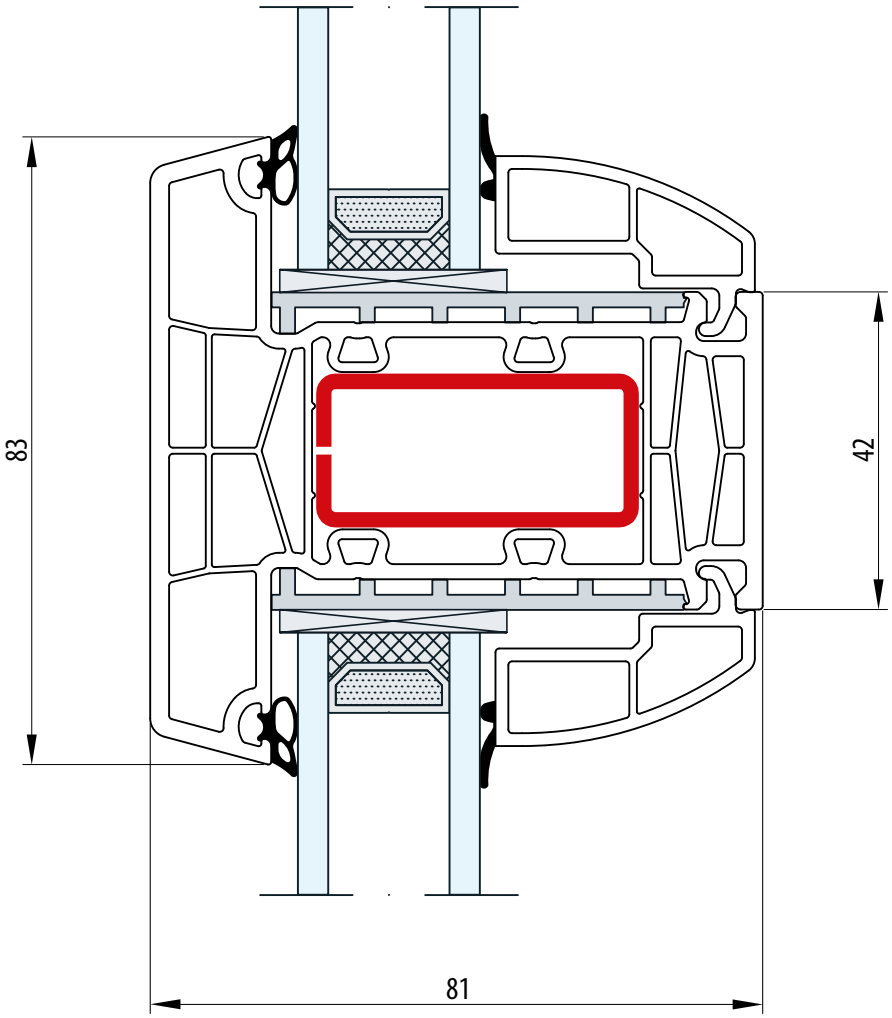

- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm



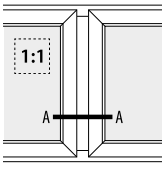


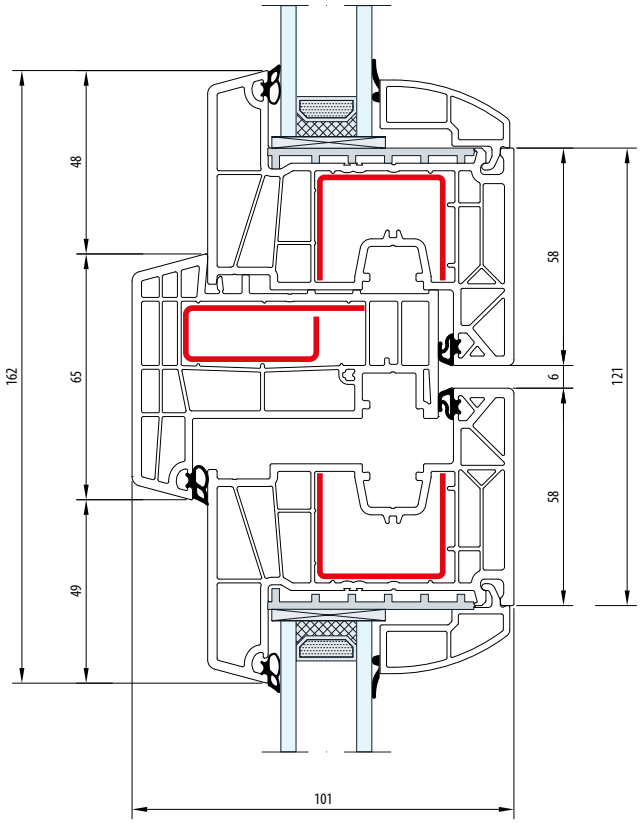

- Słupek stały: 83 mm · Skrzydło: 95 mm
- Meneau fixe: 83 mm · Vantail: 95 mm
- Fix post: 83 mm · Sash: 95 mm
- Festem Pfahl: 83 mm · Flügel: 95 mm
- Montante fisso: 83 mm · Anta: 95 mm
- Vaste stijl: 83 mm · Vleugel: 95 mm



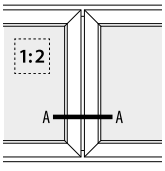


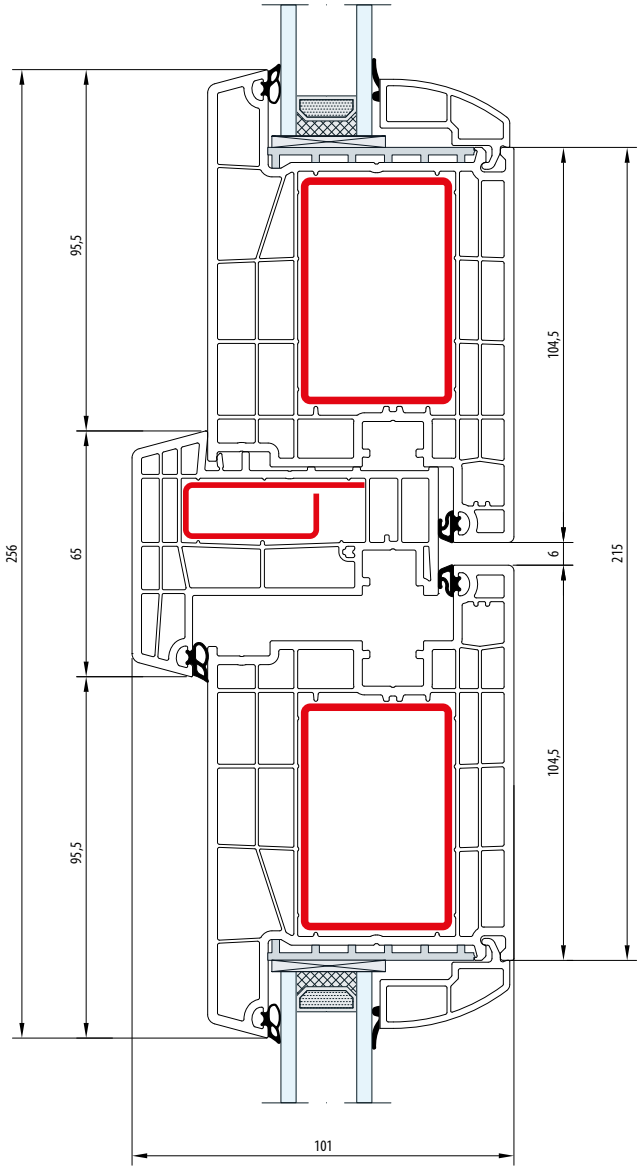

- Słupek stały: 83 mm
- Meneau fixe: 83 mm
- Fix post: 83 mm
- Festem Pfahl: 83 mm
- Montante fisso: 83 mm
- Vaste stijl: 83 mm



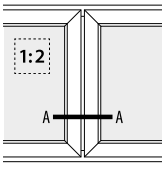


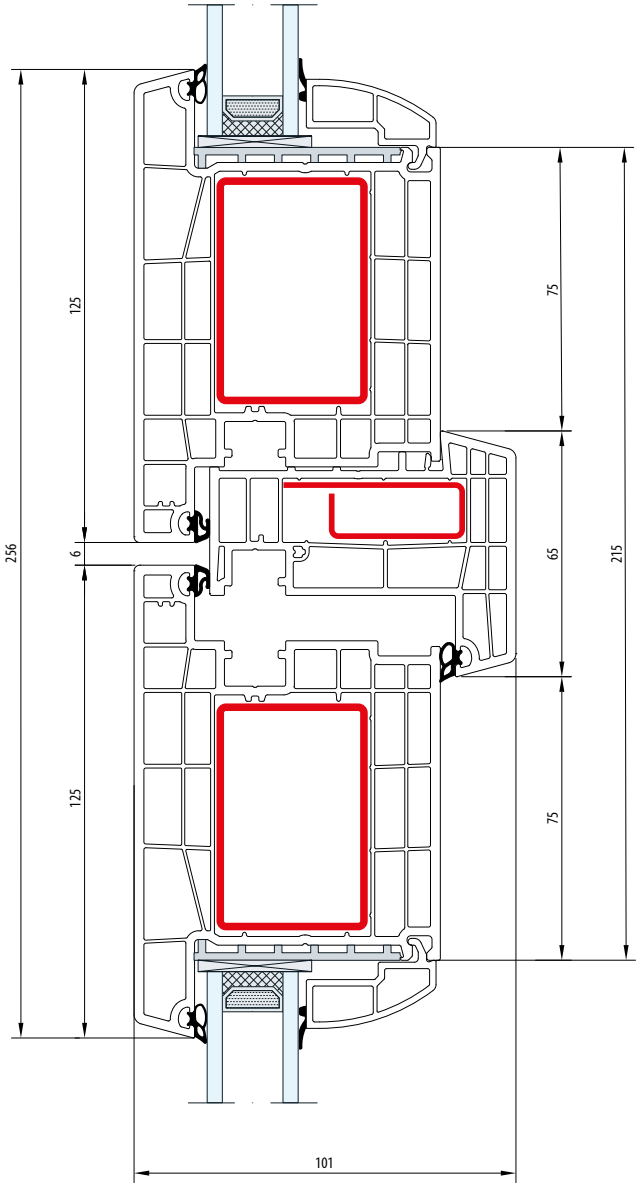

- Słupek ruchomy: 65 mm · Skrzydło: 78 mm
- Meneau mobile: 65 mm · Vantail: 78 mm
- Movable post: 65 mm · Sash: 78 mm
- Stulp: 65 mm · Flügel: 78 mm
- Montante mobile: 65 mm · Anta: 78 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 78 mm



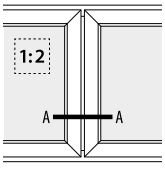


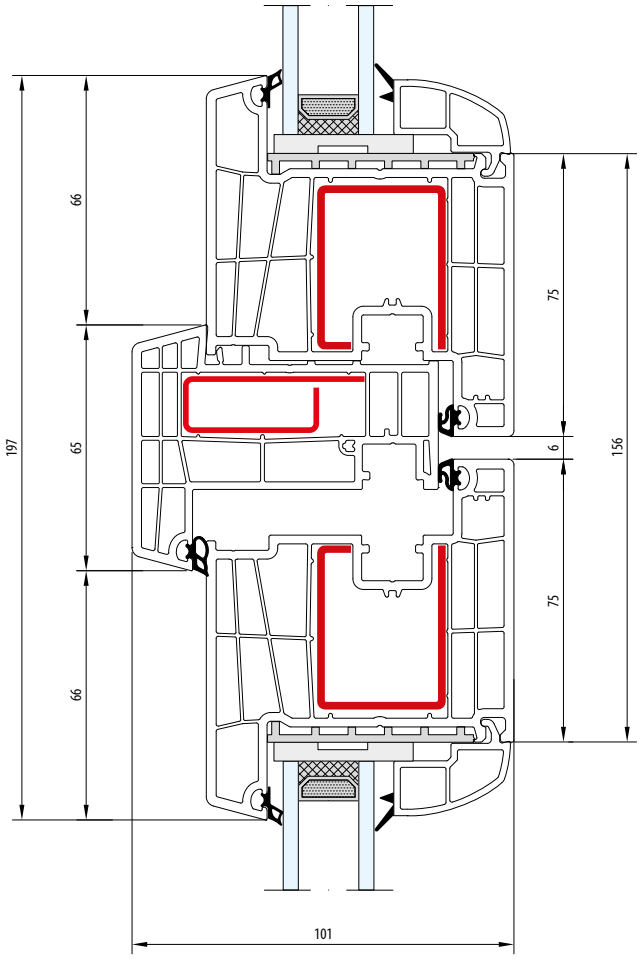

- Słupek ruchomy: 65 mm · Skrzydło: 125 mm
- Meneau mobile: 65 mm · Vantail: 125 mm
- Movable post: 65 mm · Sash: 125 mm
- Stulp: 65 mm · Flügel: 125 mm
- Montante mobile: 65 mm · Anta: 125 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 125 mm



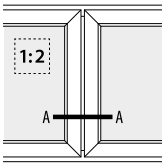


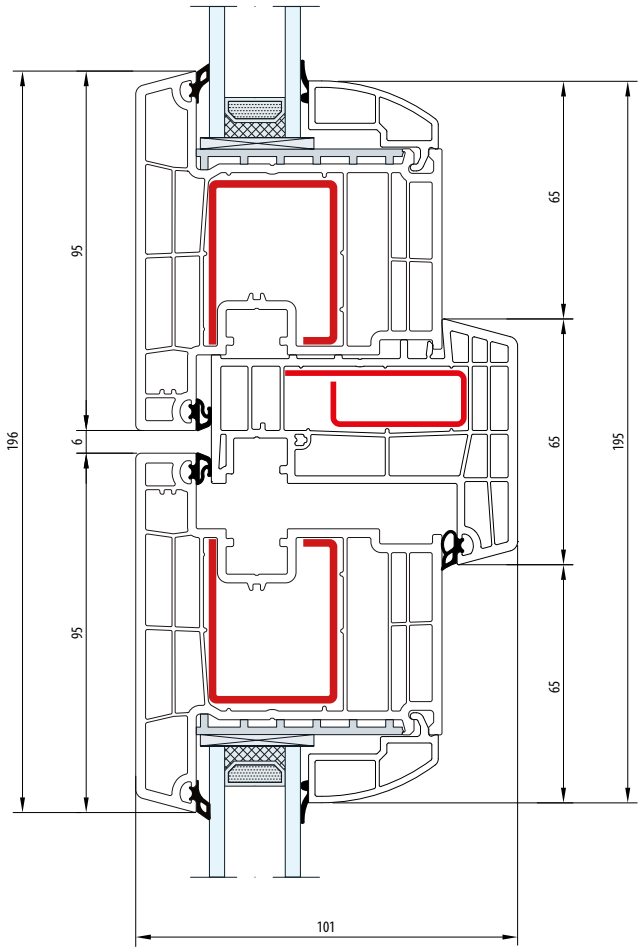

- Słupek ruchomy: 65 mm · Skrzydło: 125 mm
- Meneau mobile: 65 mm · Vantail: 125 mm
- Movable post: 65 mm · Sash: 125 mm
- Stulp: 65 mm · Flügel: 125 mm
- Montante mobile: 65 mm · Anta: 125 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 125 mm



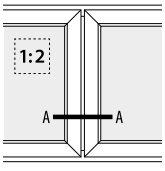


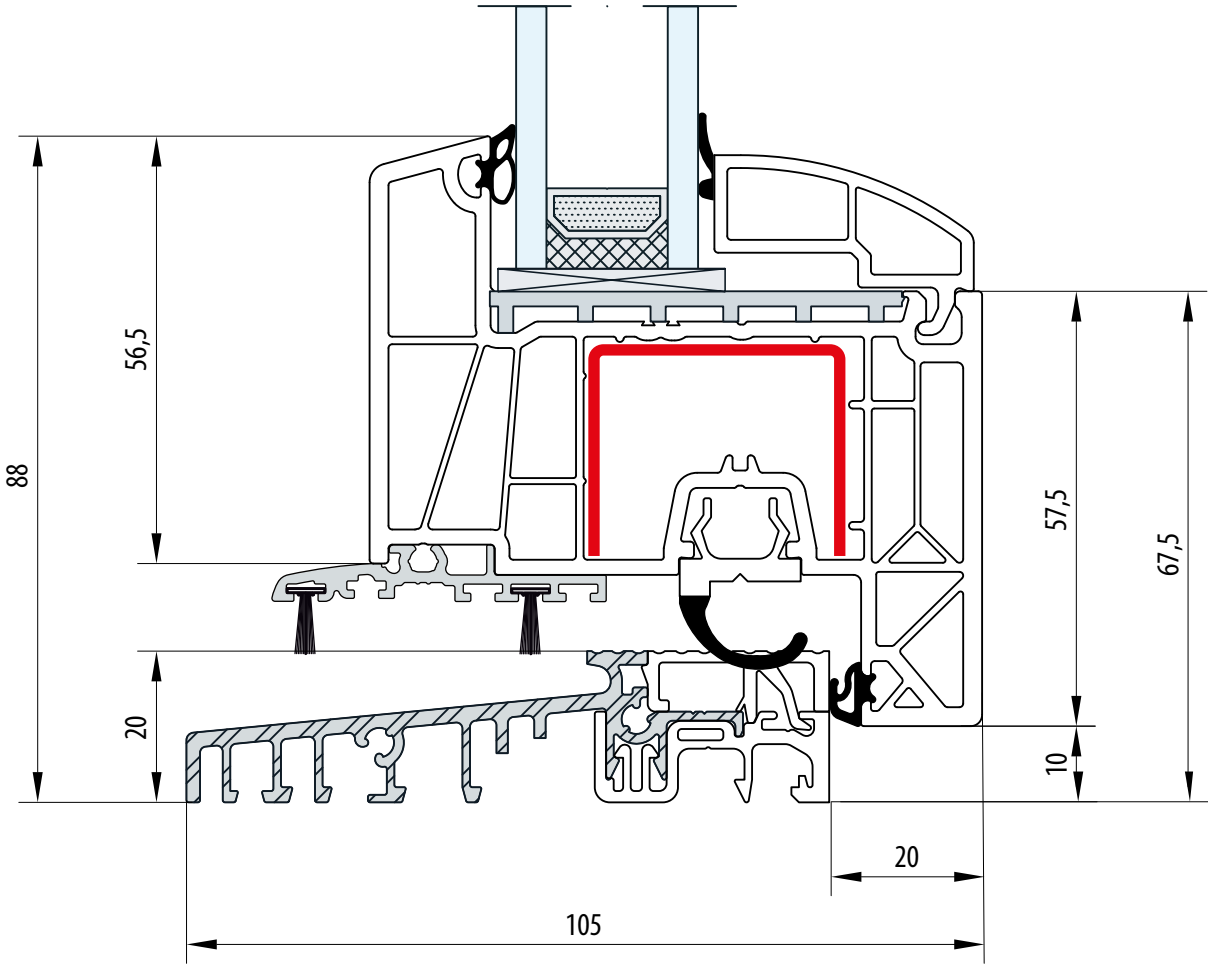

- Słupek ruchomy: 65 mm · Skrzydło: 95 mm
- Meneau mobile: 65 mm · Vantail: 95 mm
- Movable post: 65 mm · Sash: 95 mm
- Stulp: 65 mm · Flügel: 95 mm
- Montante mobile: 65 mm · Anta: 95 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 95 mm



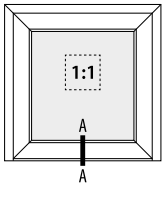


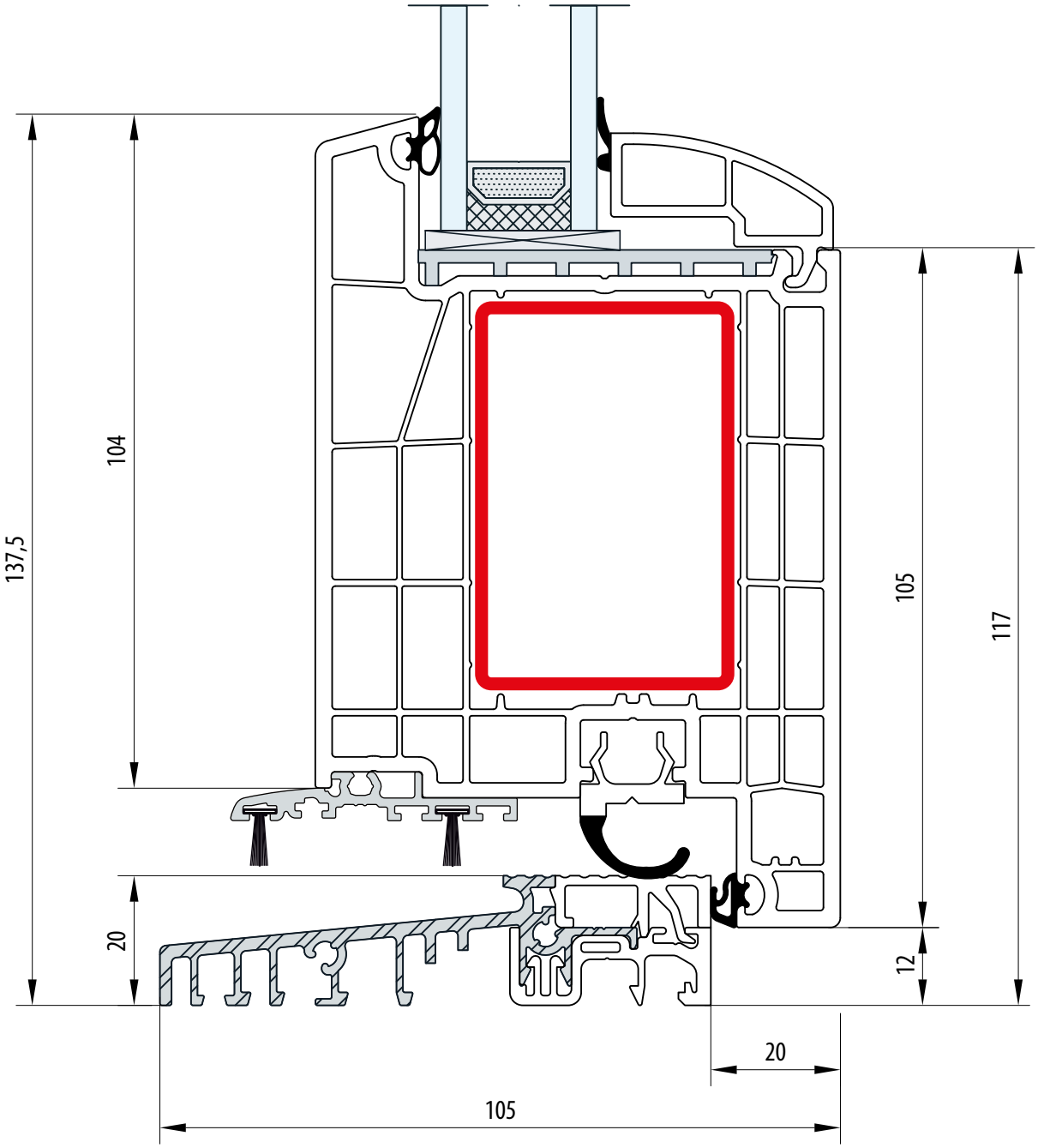

- Słupek ruchomy: 65 mm · Skrzydło: 95 mm
- Meneau mobile: 65 mm · Vantail: 95 mm
- Movable post: 65 mm · Sash: 95 mm
- Stulp: 65 mm · Flügel: 95 mm
- Montante mobile: 65 mm · Anta: 95 mm
- Verplaatsbare stijl: 65 mm · Vleugel: 95 mm



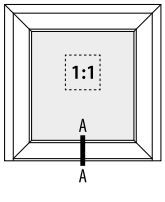


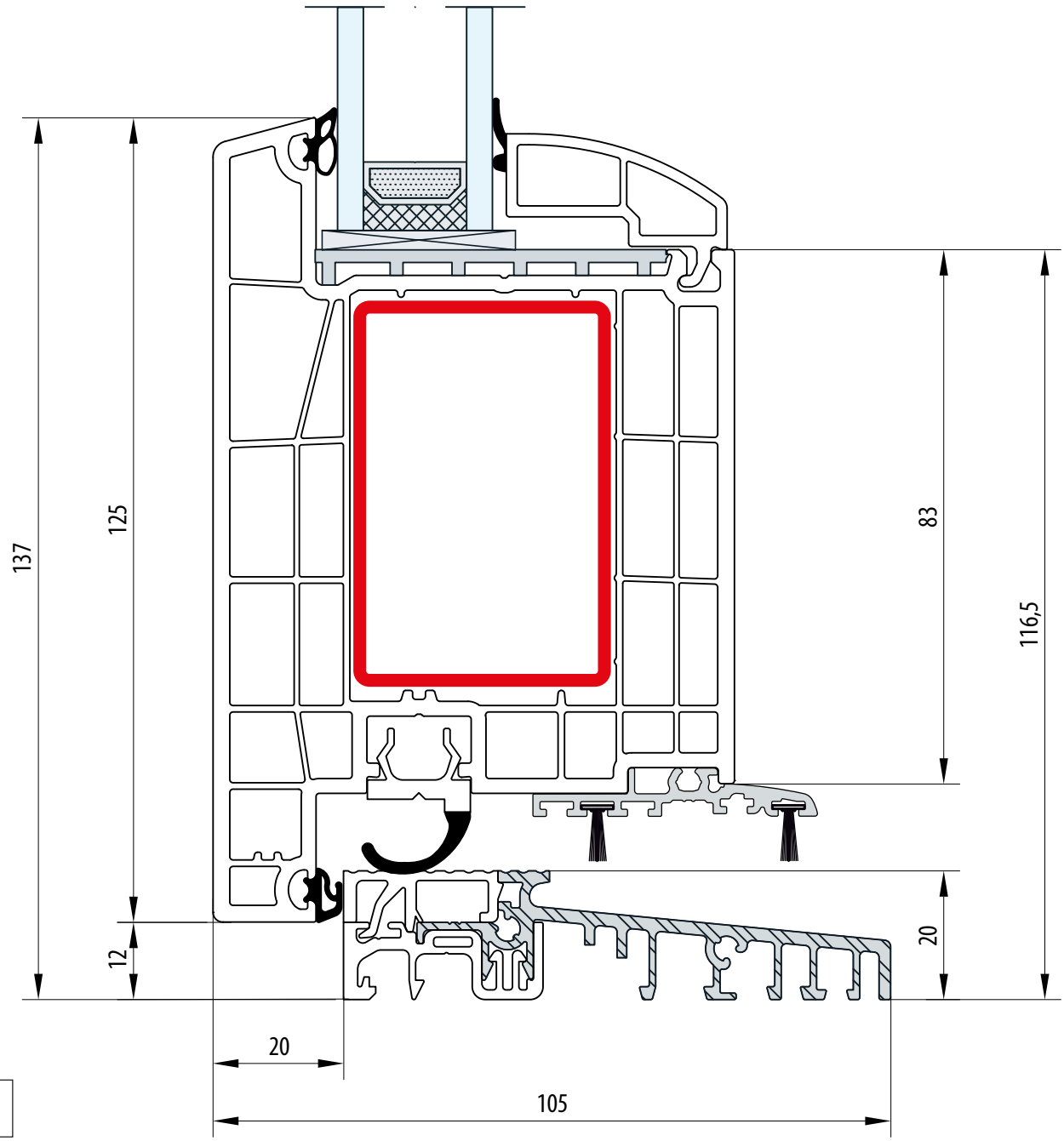

Próg: 20 mm · Skrzydło: 78 mm
Seuil: 20 mm · Vantail: 78 mm
Threshold: 20 mm · Sash: 78 mm
Schwelle: 20 mm · Flügel: 78 mm
Soglia: 20 mm · Anta: 78 mm
Dorpel: 20 mm · Vleugel: 78 mm



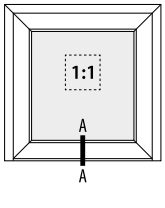


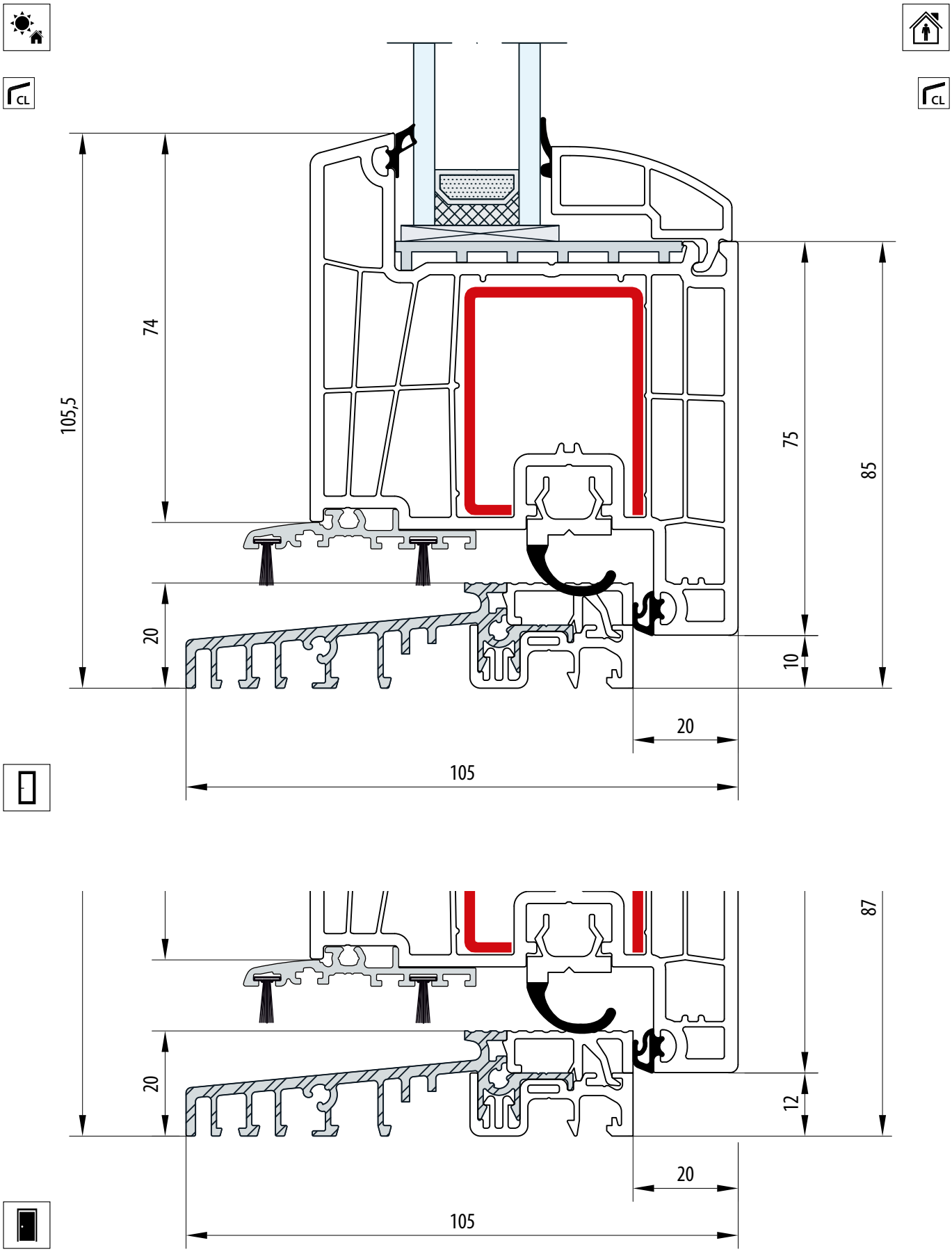

Próg: 20 mm · Skrzydło: 125 mm
Seuil: 20 mm · Vantail: 125 mm
Threshold: 20 mm · Sash: 125 mm
Schwelle: 20 mm · Flügel: 125 mm
Soglia: 20 mm · Anta: 125 mm
Dorpel: 20 mm · Vleugel: 125 mm



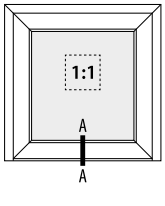


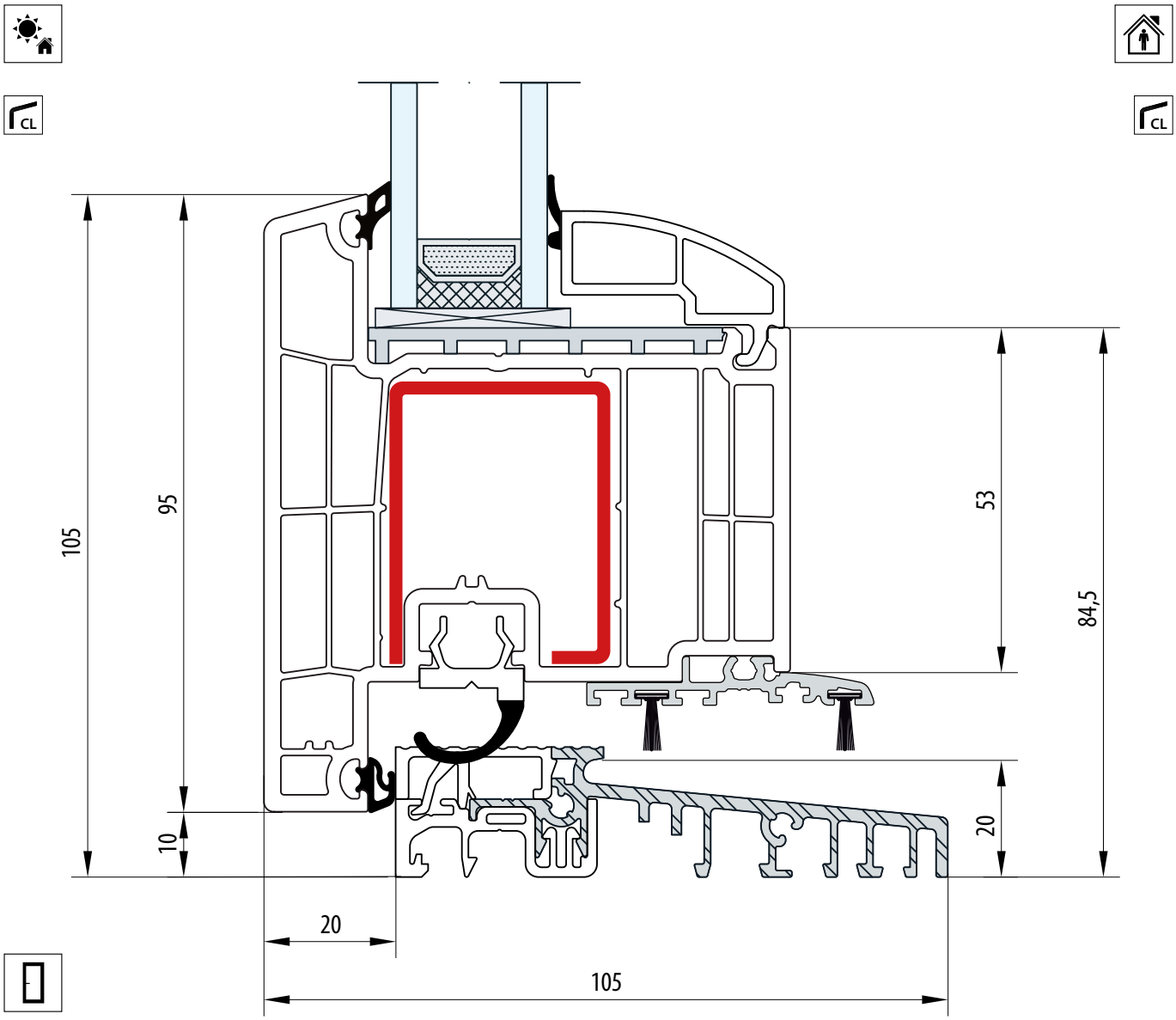

- Próg: 20 mm · Skrzydło: 125 mm
- Seuil: 20 mm · Vantail: 125 mm
- Threshold: 20 mm · Sash: 125 mm
- Schwelle: 20 mm · Flügel: 125 mm
- Soglia: 20 mm · Anta: 125 mm
- Dorpel: 20 mm · Vleugel: 125 mm

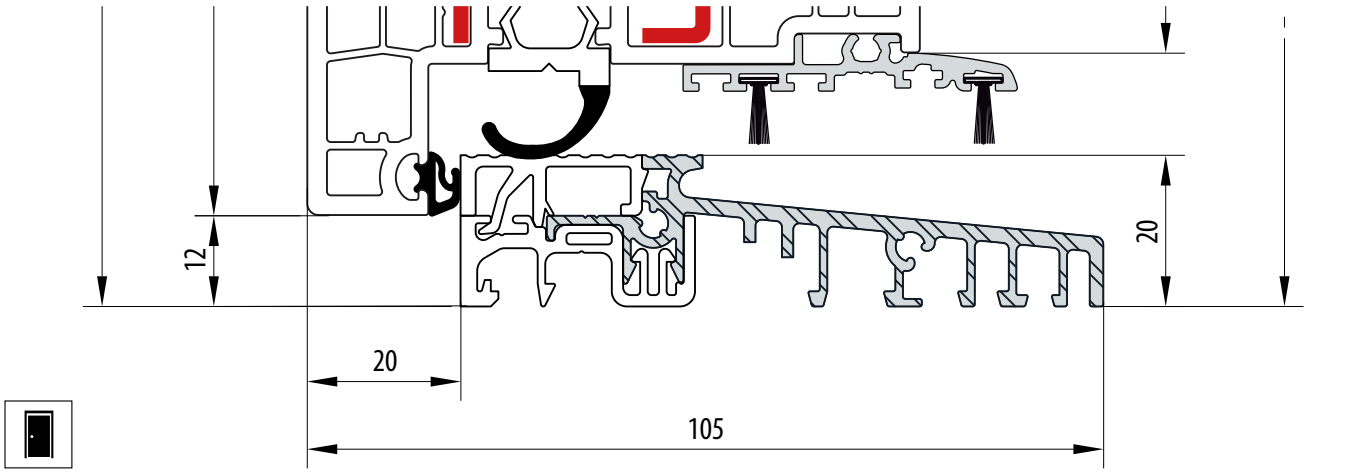




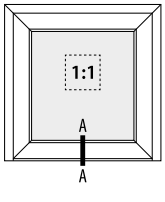

- Próg: 20 mm · Skrzydło: 95 mm
- Seuil: 20 mm · Vantail: 95 mm
- Threshold: 20 mm · Sash: 95 mm
- Schwelle: 20 mm · Flügel: 95 mm
- Soglia: 20 mm · Anta: 95 mm
- Dorpel: 20 mm · Vleugel: 95 mm

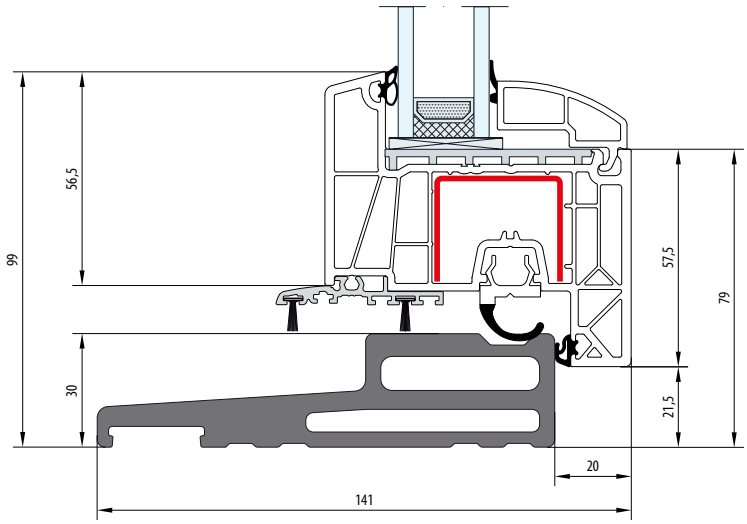




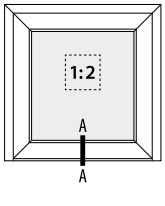



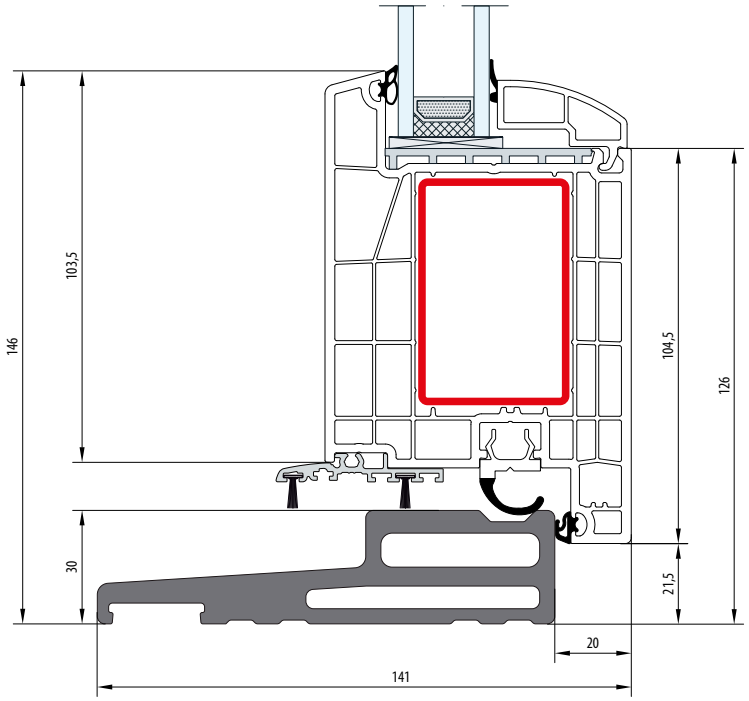

Próg: 20 mm · Skrzydło: 95 mm
Seuil: 20 mm · Vantail: 95 mm
Threshold: 20 mm · Sash: 95 mm
Schwelle: 20 mm · Flügel: 95 mm
Soglia: 20 mm · Anta: 95 mm
Dorpel: 20 mm · Vleugel: 95 mm



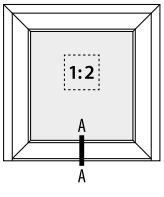


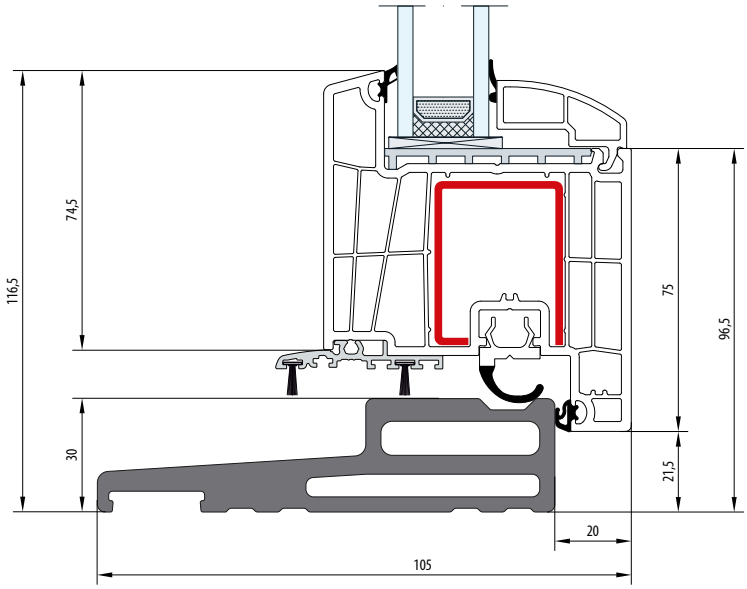

- Próg: 30 mm · Skrzydło: 78 mm
- Seuil: 30 mm · Vantail: 78 mm
- Threshold: 30 mm · Sash: 78 mm
- Schwelle: 30 mm · Flügel: 78 mm
- Soglia: 30 mm · Anta: 78 mm
- Dorpel: 30 mm · Vleugel: 78 mm



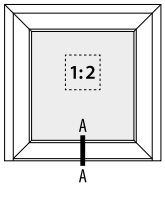


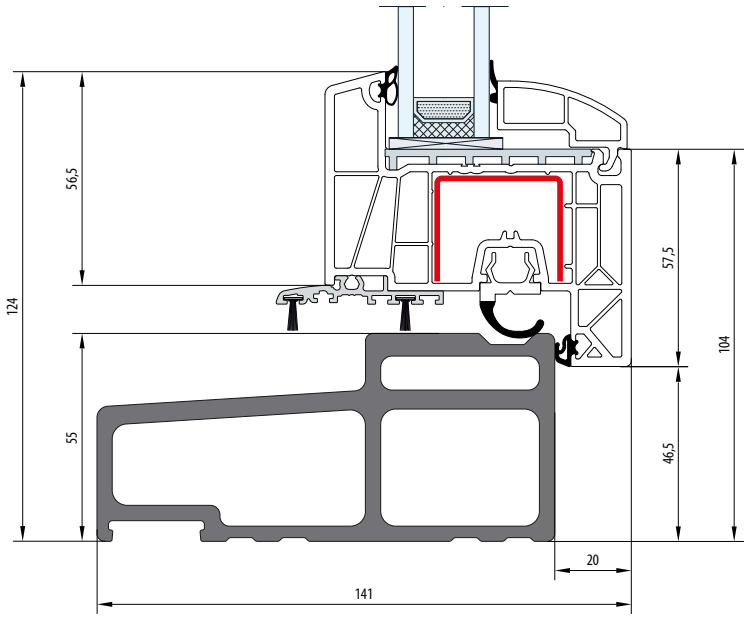

Próg: 30 mm · Skrzydło: 125 mm
Seuil: 30 mm · Vantail: 125 mm
Threshold: 30 mm · Sash: 125 mm
Schwelle: 30 mm · Flügel: 125 mm
Soglia: 30 mm · Anta: 125 mm
Dorpel: 30 mm · Vleugel: 125 mm



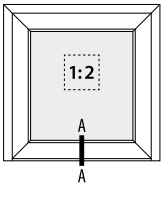


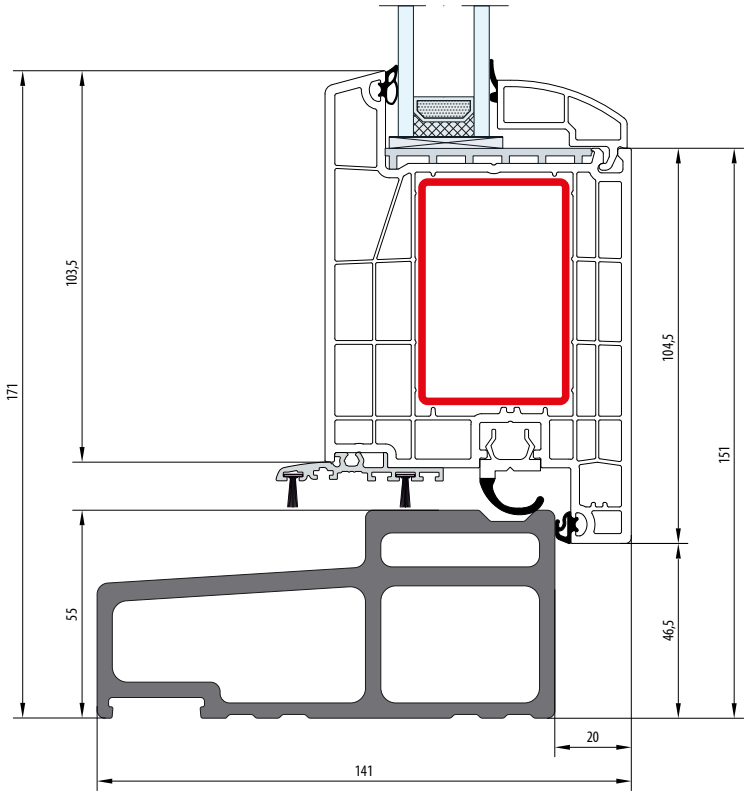

Próg: 30 mm · Skrzydło: 95 mm
Seuil: 30 mm · Vantail: 95 mm
Threshold: 30 mm · Sash: 95 mm
Schwelle: 30 mm · Flügel: 95 mm
Soglia: 30 mm · Anta: 95 mm
Dorpel: 30 mm · Vleugel: 95 mm



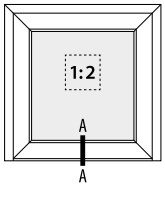


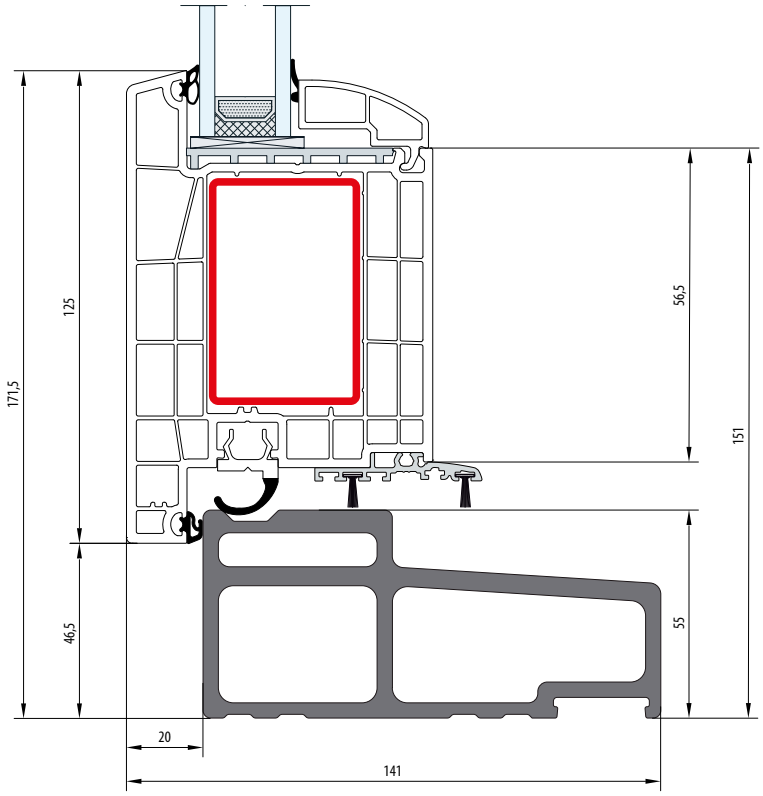

- Próg: 55 mm · Skrzydło: 78 mm
- Seuil: 55 mm · Vantail: 78 mm
- Threshold: 55 mm · Sash: 78 mm
- Schwelle: 55 mm · Flügel: 78 mm
- Soglia: 55 mm · Anta: 78 mm
- Dorpel: 55 mm · Vleugel: 78 mm



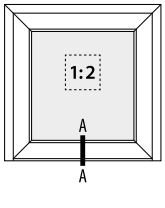


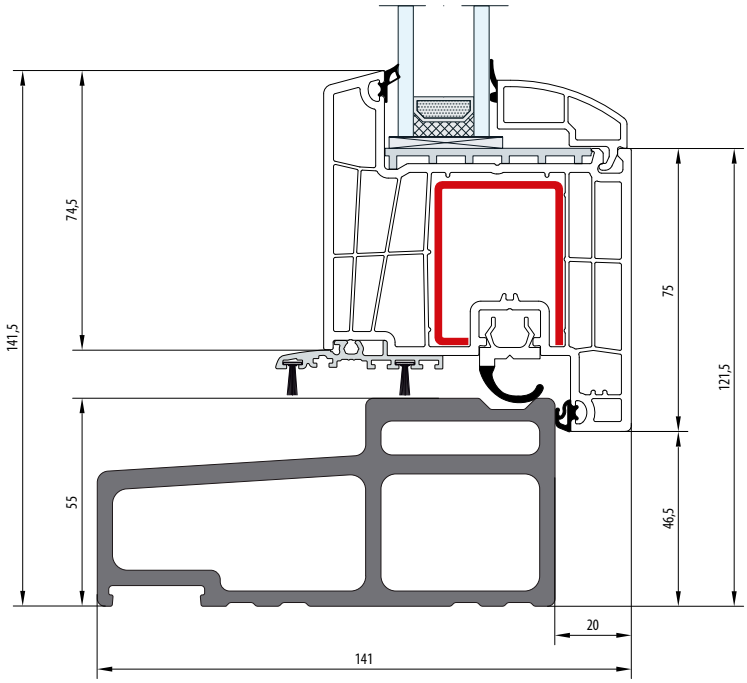

- Próg: 55 mm · Skrzydło: 125 mm
- Seuil: 55 mm · Vantail: 125 mm
- Threshold: 55 mm · Sash: 125 mm
- Schwelle: 55 mm · Flügel: 125 mm
- Soglia: 55 mm · Anta: 125 mm
- Dorpel: 55 mm · Vleugel: 125 mm



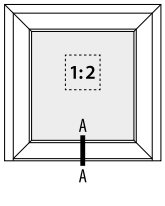


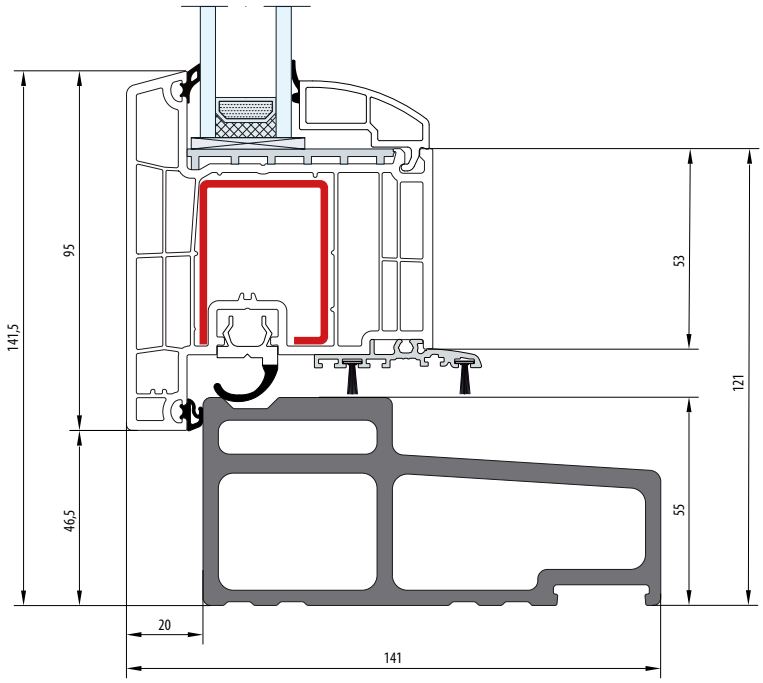

- Próg: 55 mm · Skrzydło: 125 mm
- Seuil: 55 mm · Vantail: 125 mm
- Threshold: 55 mm · Sash: 125 mm
- Schwelle: 55 mm · Flügel: 125 mm
- Soglia: 55 mm · Anta: 125 mm
- Dorpel: 55 mm · Vleugel: 125 mm



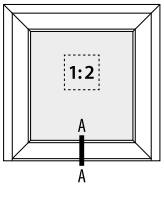



- Próg: 55 mm · Skrzydło: 95 mm
- Seuil: 55 mm · Vantail: 95 mm
- Threshold: 55 mm · Sash: 95 mm
- Schwelle: 55 mm · Flügel: 95 mm
- Soglia: 55 mm · Anta: 95 mm
- Dorpel: 55 mm · Vleugel: 95 mm



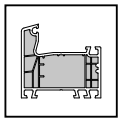



- Próg: 55 mm · Skrzydło: 95 mm
- Seuil: 55 mm · Vantail: 95 mm
- Threshold: 55 mm · Sash: 95 mm
- Schwelle: 55 mm · Flügel: 95 mm
- Soglia: 55 mm · Anta: 95 mm
- Dorpel: 55 mm · Vleugel: 95 mm



# EKOSUN 7

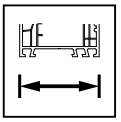




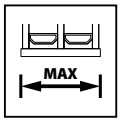
7



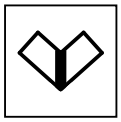
3



81




55

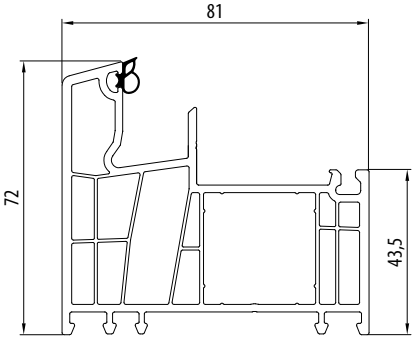




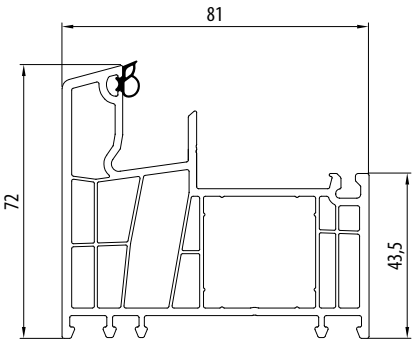


ALU

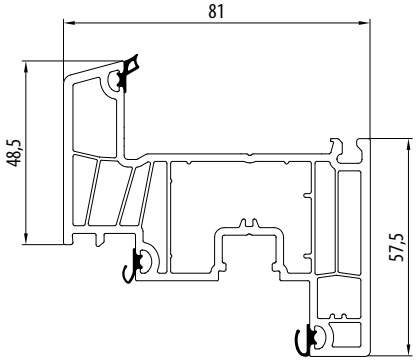




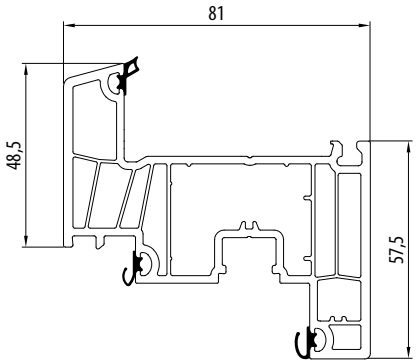

8312



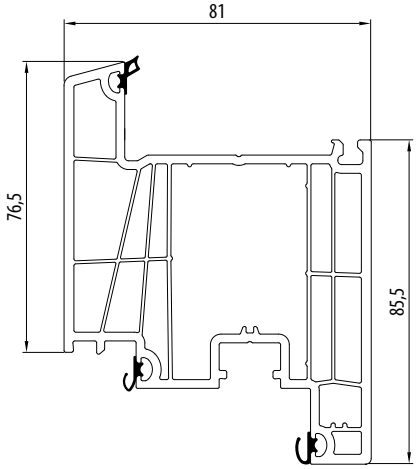

8313



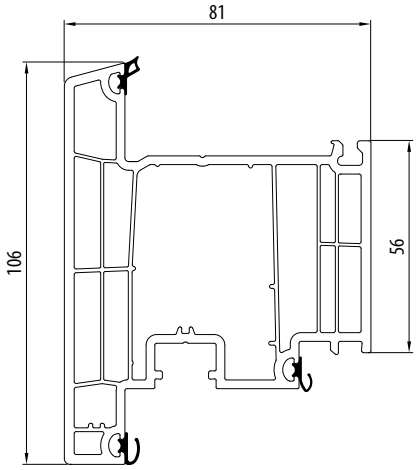

8320



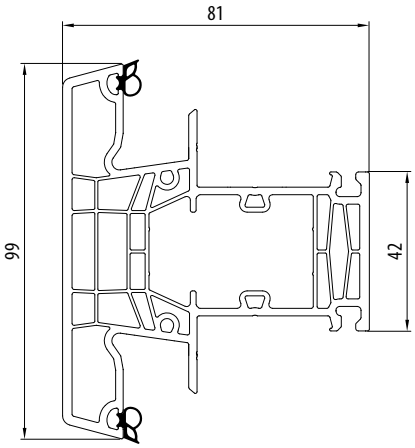

8322



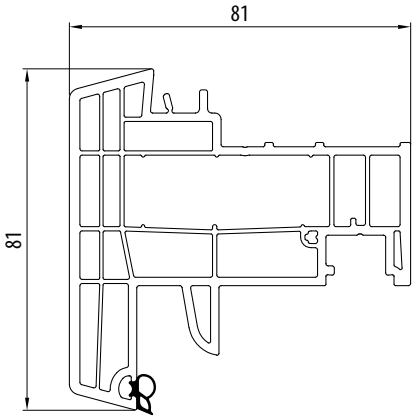

8326



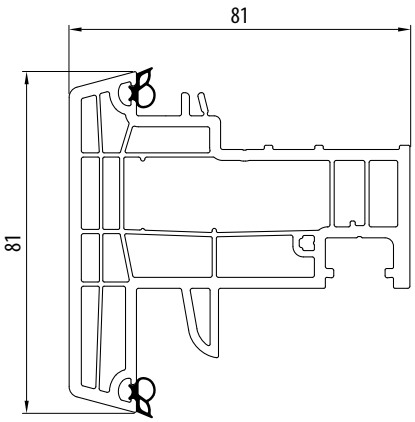

8327



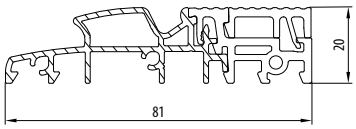

8330




8332

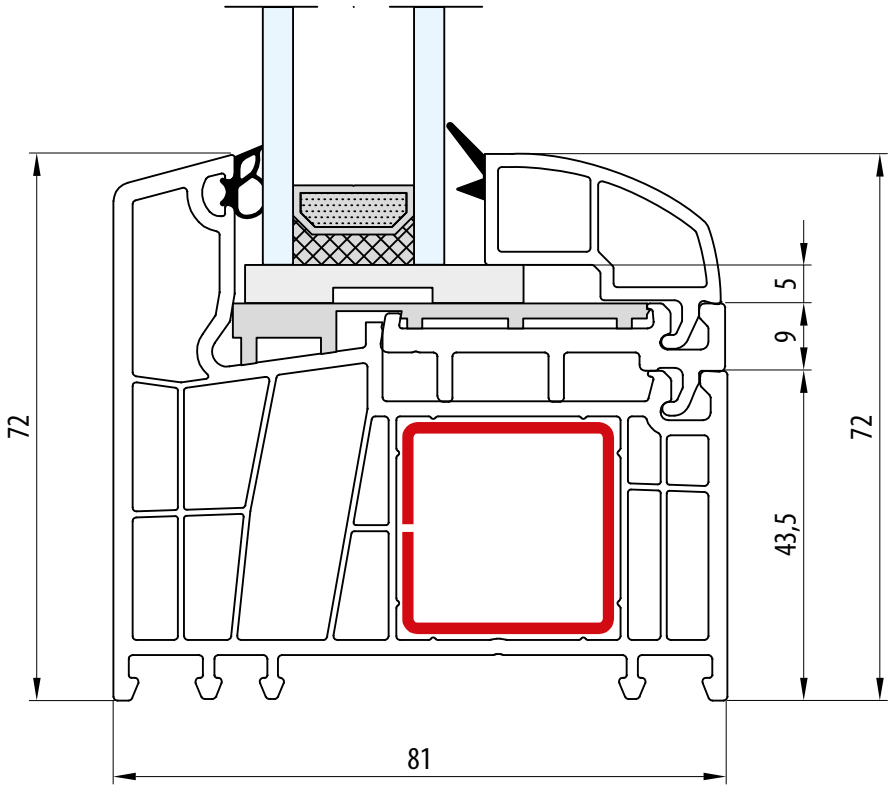



8333

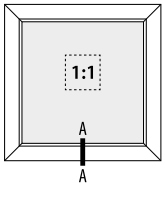


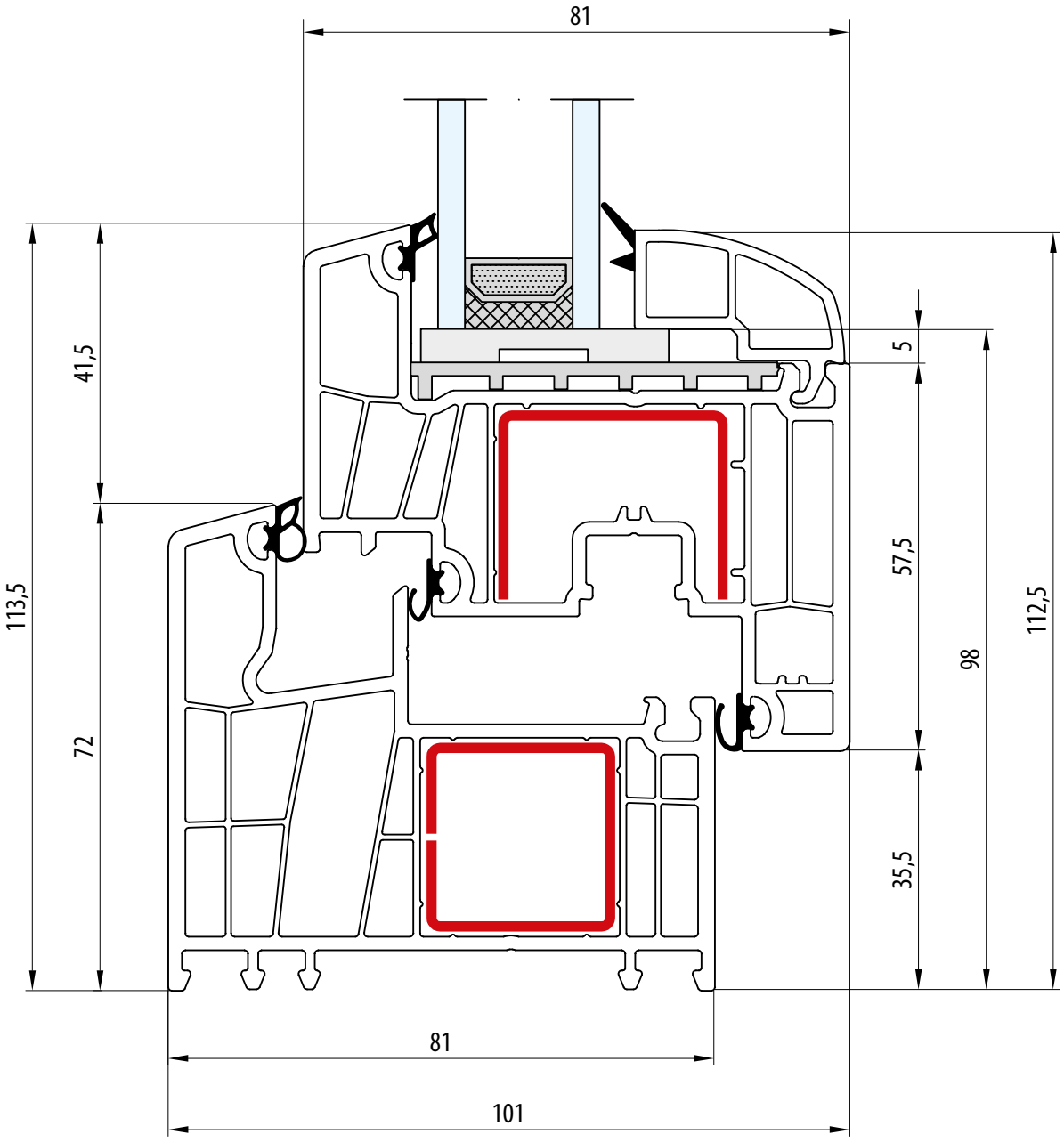

alu 20 mm

1:2

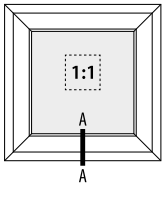



- Rama: 72 mm
- Dormant: 72 mm
- Frame: 72 mm
- Rahmen: 72 mm
- Telaio: 72 mm
- Kader: 72 mm





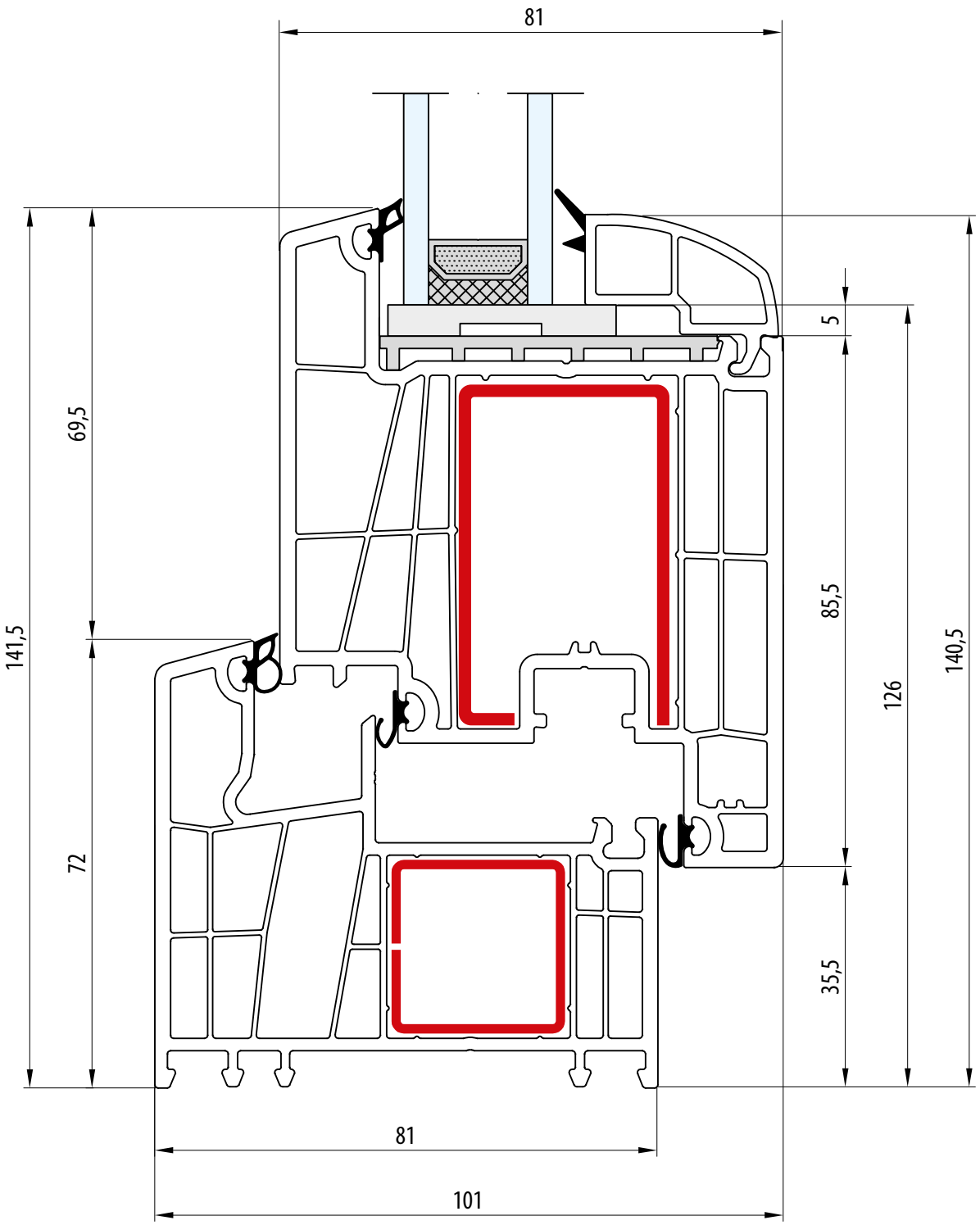

Rama: 72 mm · Skrzydło: 77 mm
Dormant: 72 mm · Vantail: 77 mm
Frame: 72 mm · Sash: 77 mm
Rahmen: 72 mm · Flügel: 77 mm
Telaio: 72 mm · Anta: 77 mm
Kader: 72 mm · Vleugel: 77 mm



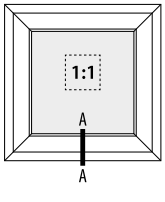


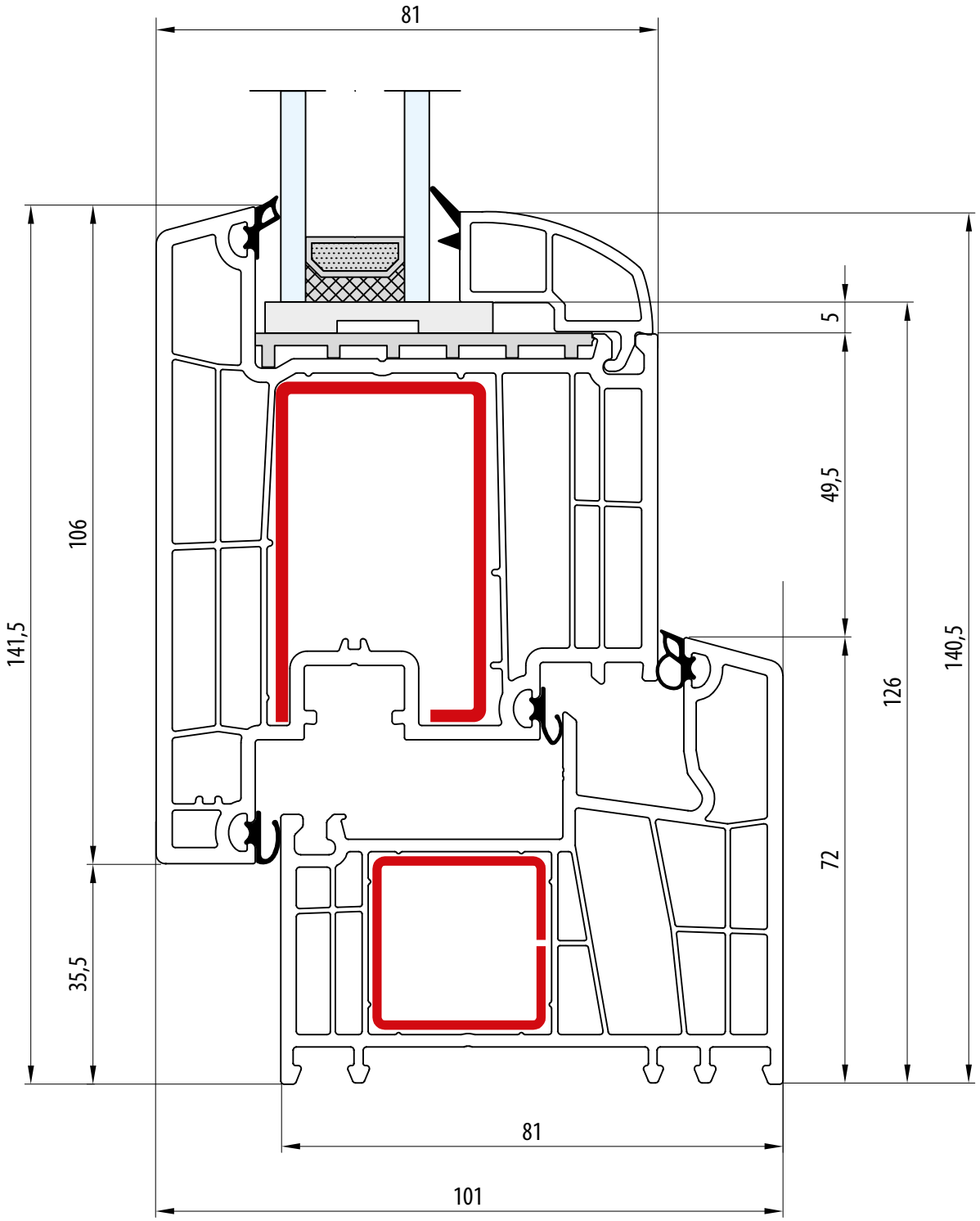




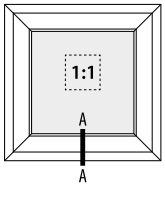



Rama: 72 mm · Skrzydło: 106 mm
Dormant: 72 mm · Vantail: 106 mm
Frame: 72 mm · Sash: 106 mm
Rahmen: 72 mm · Flügel: 106 mm
Telaio: 72 mm · Anta: 106 mm
Kader: 72 mm · Vleugel: 106 mm





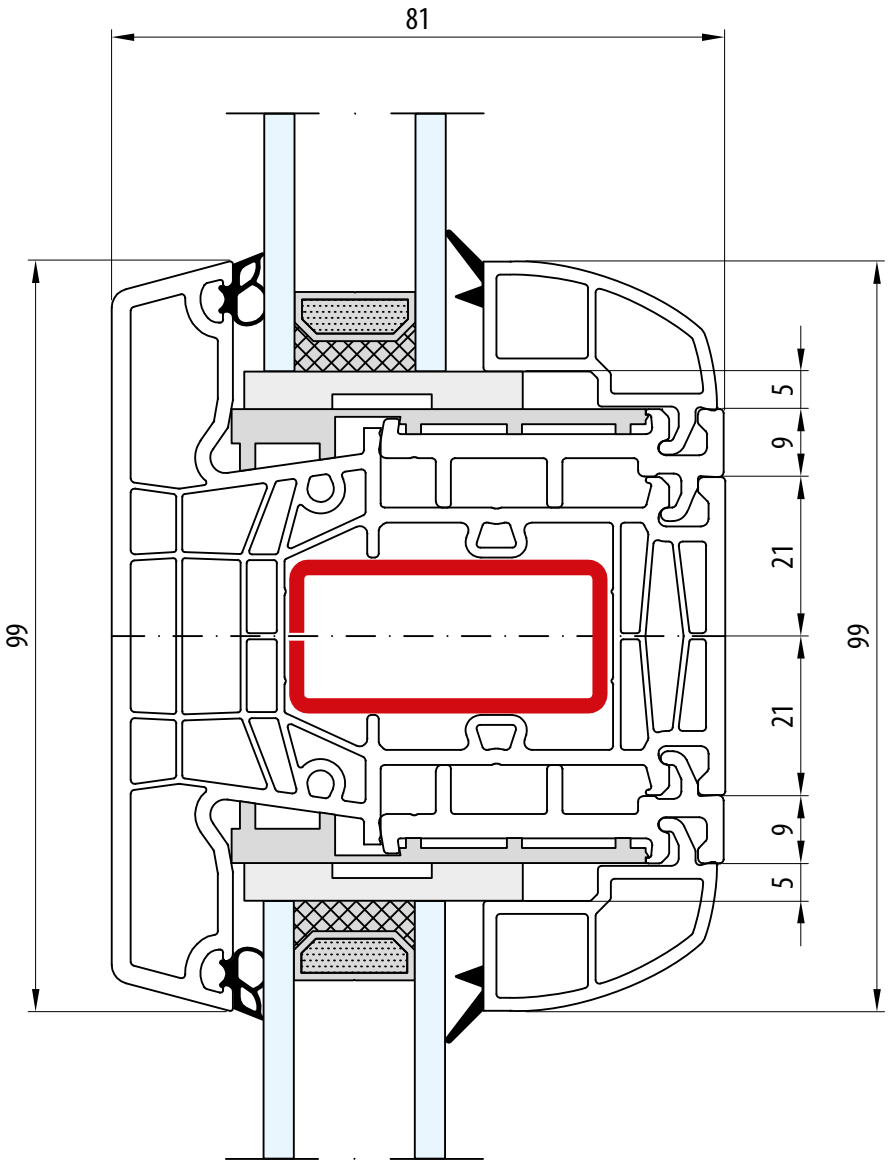

- Rama: 72 mm · Skrzydło: 106 mm
- Dormant: 72 mm · Vantail: 106 mm
- Frame: 72 mm · Sash: 106 mm
- Rahmen: 72 mm · Flügel: 106 mm
- Telaio: 72 mm · Anta: 106 mm
- Kader: 72 mm · Vleugel: 106 mm



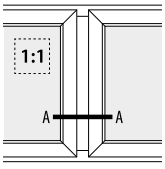


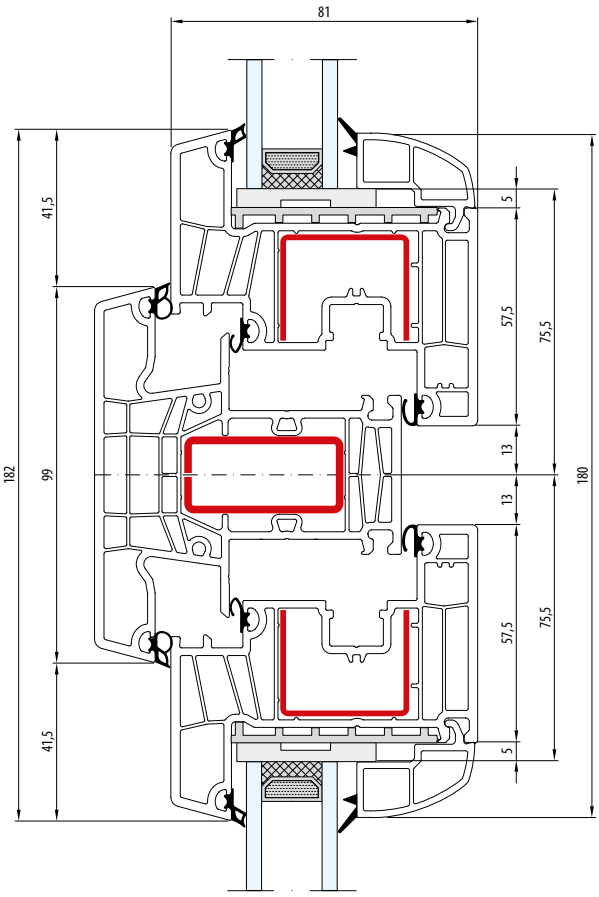




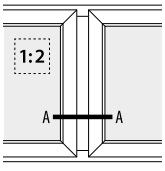



- Słupek stały: 99 mm
- Meneau fixe: 99 mm
- Fix post: 99 mm
- Festem Pfahl: 99 mm
- Montante fisso: 99 mm
- Vaste stijl: 99 mm



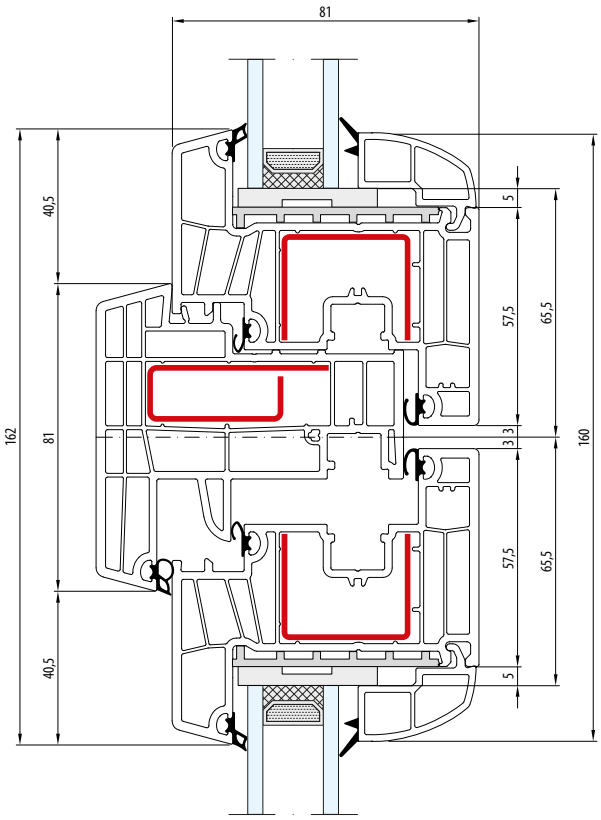



- Słupek stały: 99 mm · Skrzydło: 77 mm
- Meneau fixe: 99 mm · Vantail: 77 mm
- Fix post: 99 mm · Sash: 77 mm
- Festem Pfahl: 99 mm · Flügel: 77 mm
- Montante fisso: 99 mm · Anta: 77 mm
- Vaste stijl: 99 mm · Vleugel: 77 mm

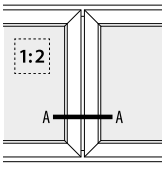


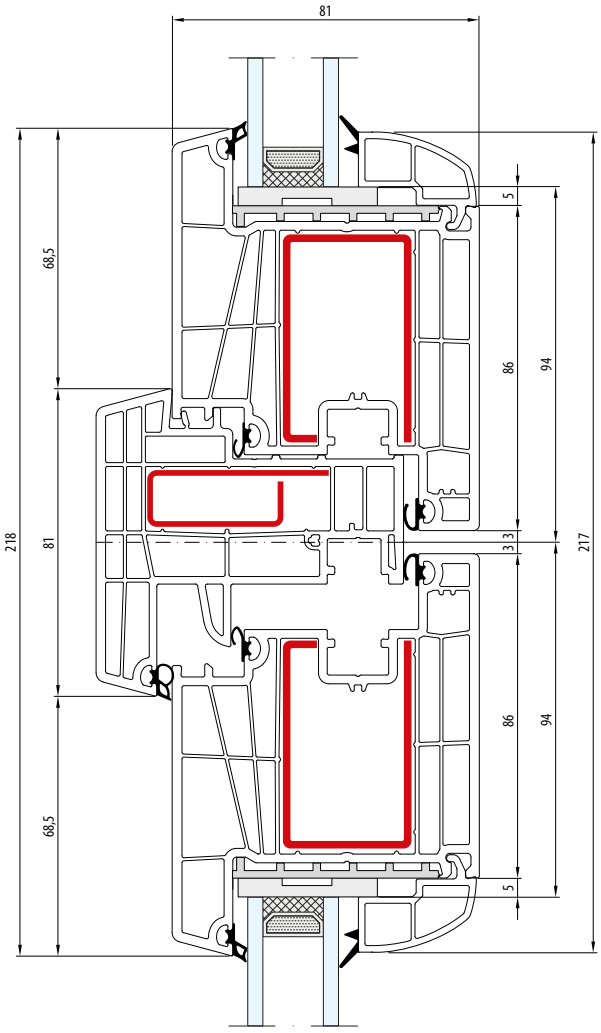
CL

CL
RL

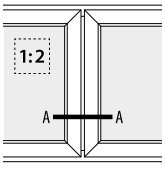


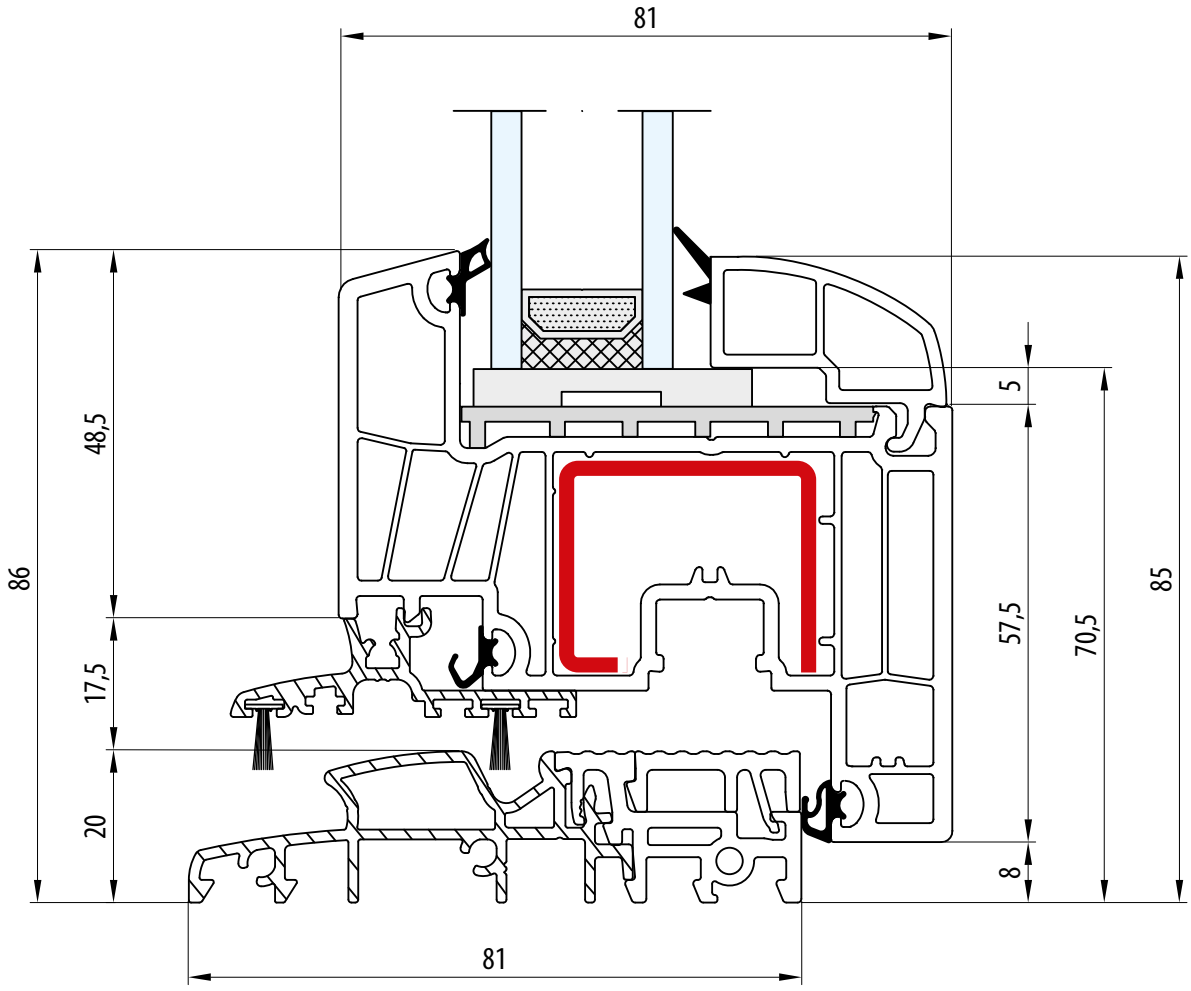

Słupek ruchomy: 81 mm · Skrzydło: 77 mm
Meneau mobile: 81 mm · Vantail: 77 mm
Movable post: 81 mm · Sash: 77 mm
Stulp: 81 mm · Flügel: 77 mm
Montante mobile: 81 mm · Anta: 77 mm
Verplaatsbare stijl: 81 mm · Vleugel: 77 mm



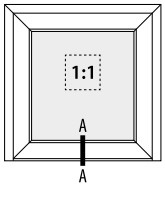


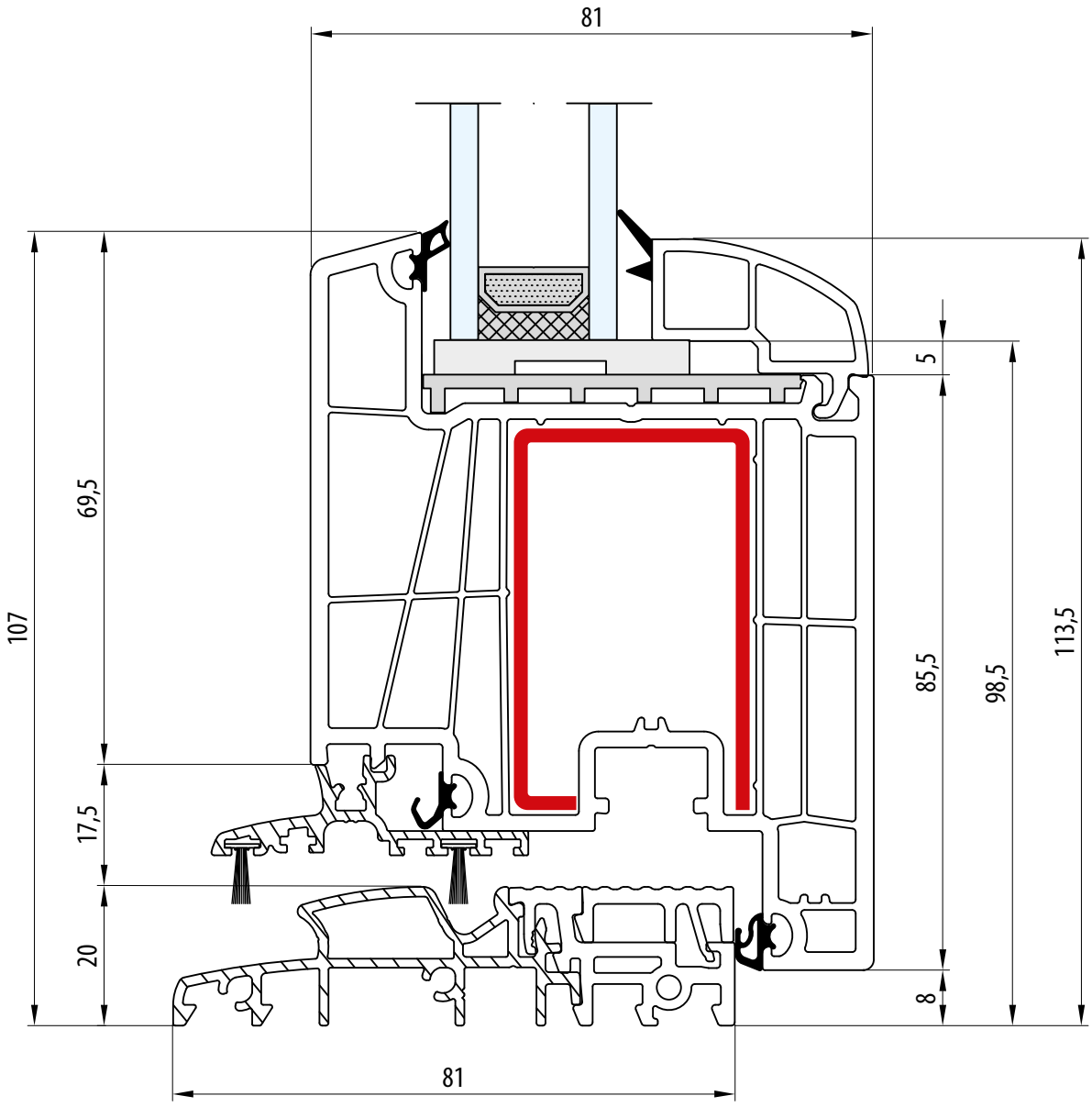

- Słupek ruchomy: 81 mm · Skrzydło: 106 mm
- Meneau mobile: 81 mm · Vantail: 106 mm
- Movable post: 81 mm · Sash: 106 mm
- Stulp: 81 mm · Flügel: 106 mm
- Montante mobile: 81 mm · Anta: 106 mm
- Verplaatsbare stijl: 81 mm · Vleugel: 106 mm



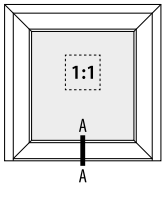



- Próg: 20 mm · Skrzydło: 77 mm
- Seuil: 20 mm · Vantail: 77 mm
- Threshold: 20 mm · Sash: 77 mm
- Schwelle: 20 mm · Flügel: 77 mm
- Soglia: 20 mm · Anta: 77 mm
- Dorpel: 20 mm · Vleugel: 77 mm



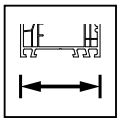



- Próg: 20 mm · Skrzydło: 106 mm
- Seuil: 20 mm · Vantail: 106 mm
- Threshold: 20 mm · Sash: 106 mm
- Schwelle: 20 mm · Flügel: 106 mm
- Soglia: 20 mm · Anta: 106 mm
- Dorpel: 20 mm · Vleugel: 106 mm

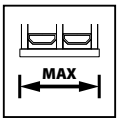


# HST EKOSUN

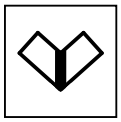




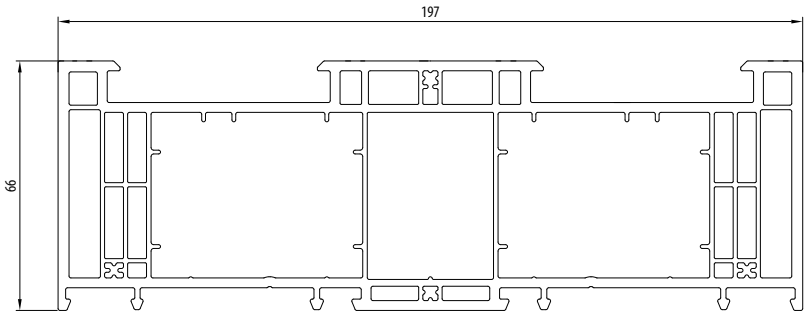
197



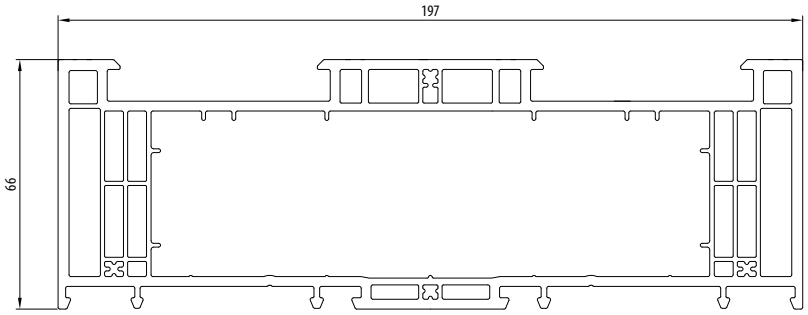

55



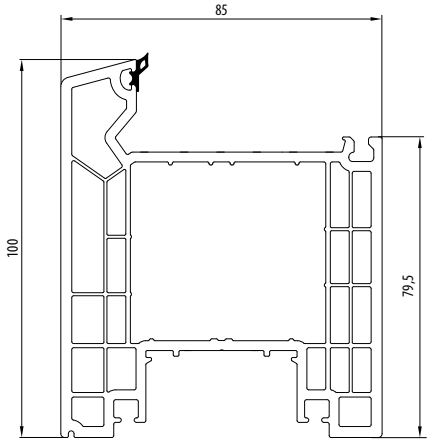

Smile



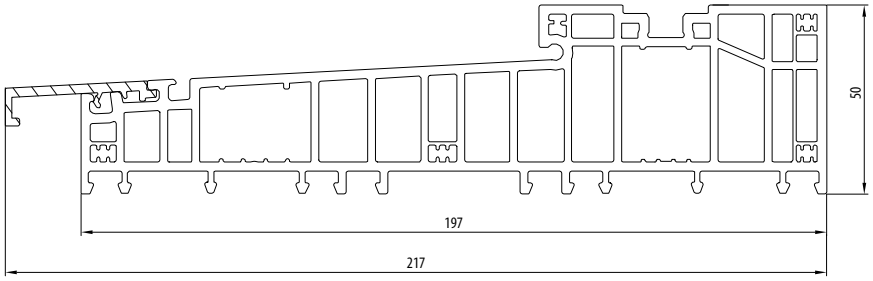

CL 8510



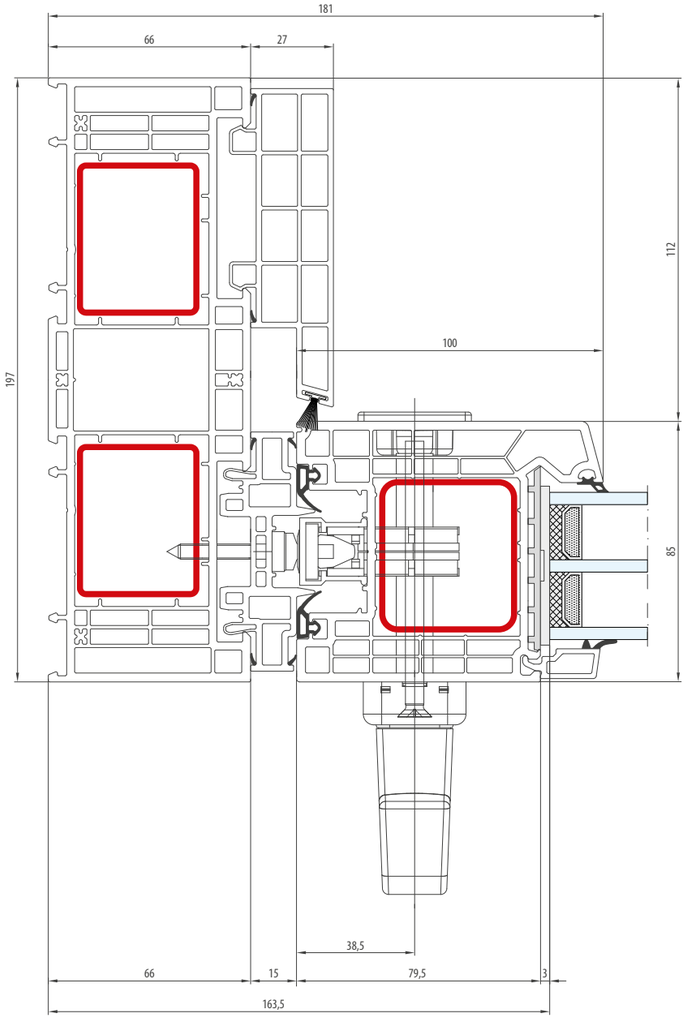

CL 8511

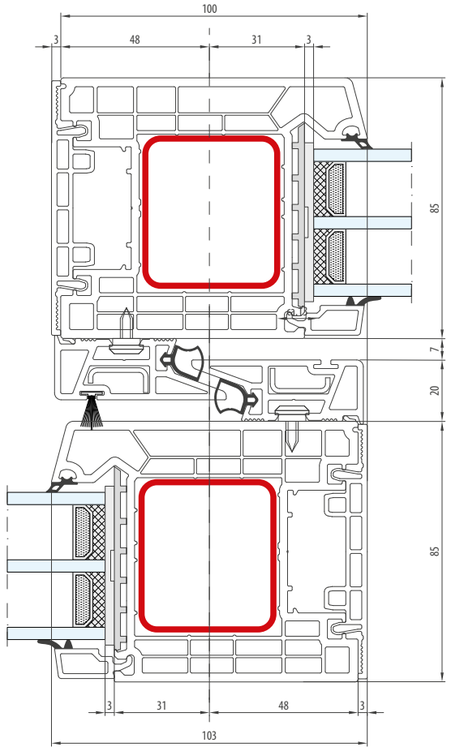


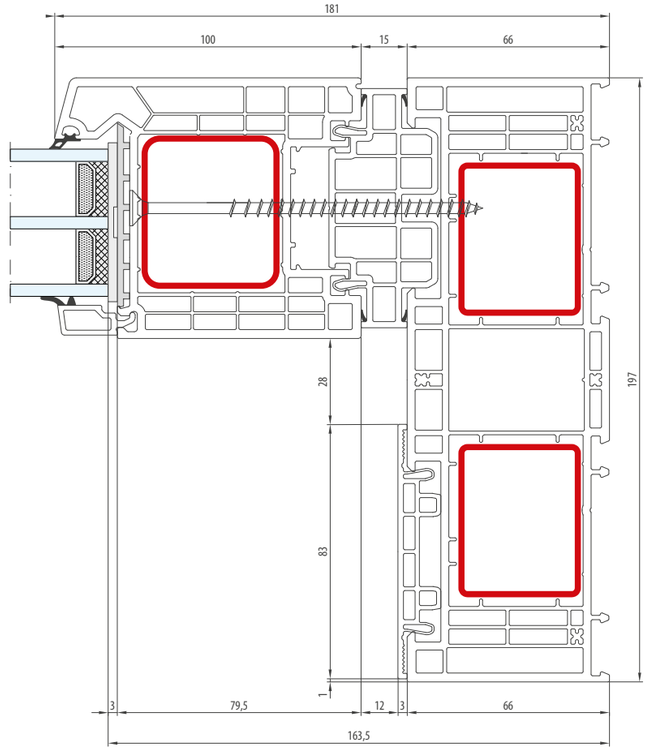

CL 8520



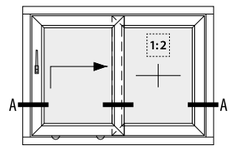

Inspiro

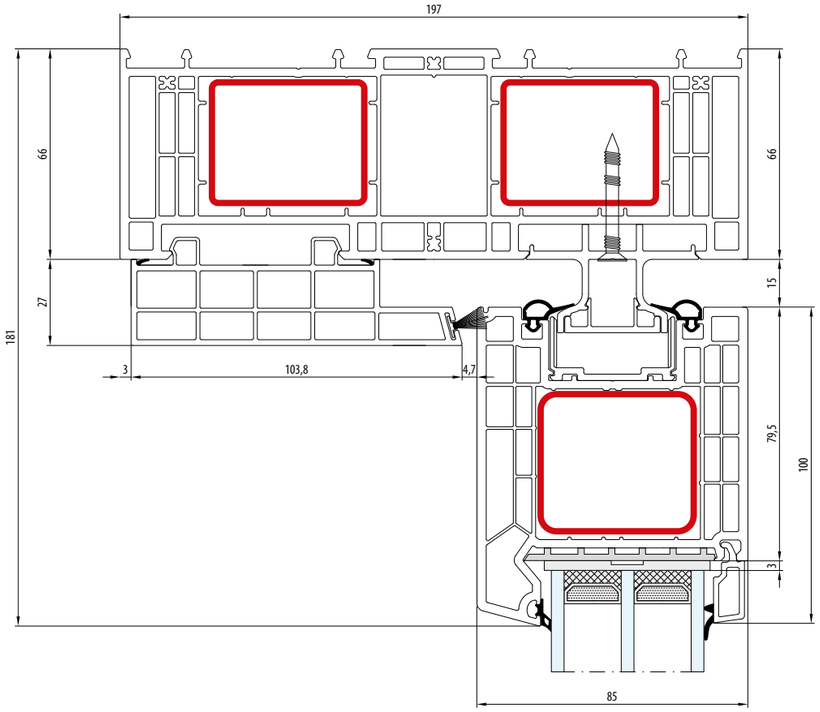


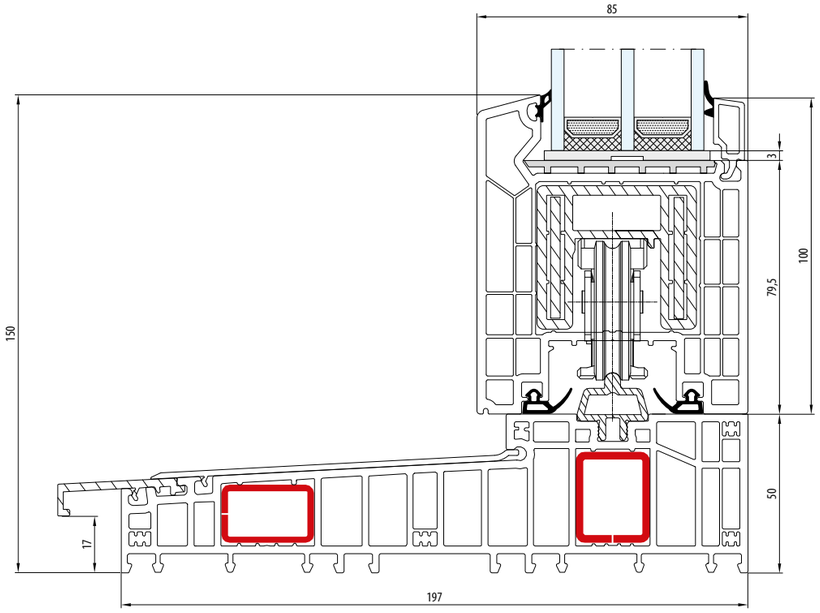



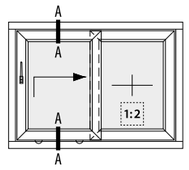

- Schemat A - Przekrój poziomy · Rama: 66 mm · Skrzydło: 100 mm
- Schéma A - Coupe horizontale · Dormant: 66 mm · Vantail: 100 mm
- Schema A - Doorsnede horizontaal · Frame: 66 mm · Sash: 100 mm
- Schema A - Wagerechter Schnitt · Rahmen: 66 mm · Flügel: 100 mm
- Schema A - Sezione orizzontale · Telaio: 66 mm · Anta: 100 mm
- Schema A - Horizontale doorsnede · Kader: 66 mm · Vleugel: 100 mm





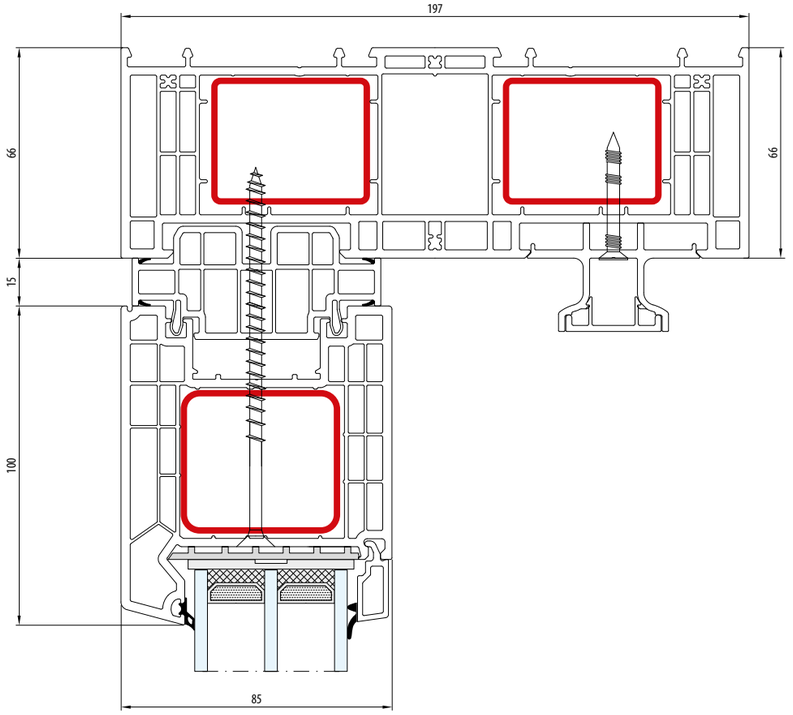



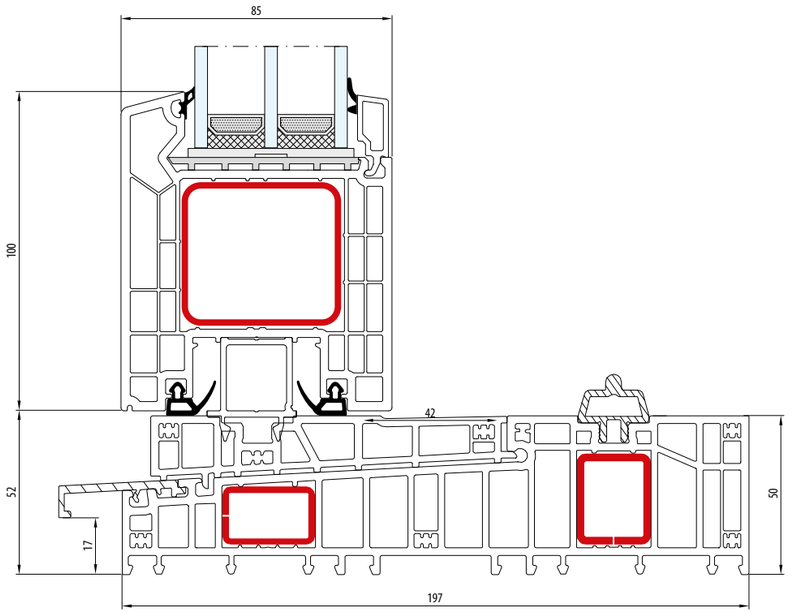

- Schemat A - Przekrój pionowy · Próg: 50 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 50 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 50 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 50 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 50 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 50 mm · Vleugel: 100 mm



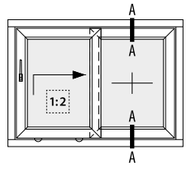


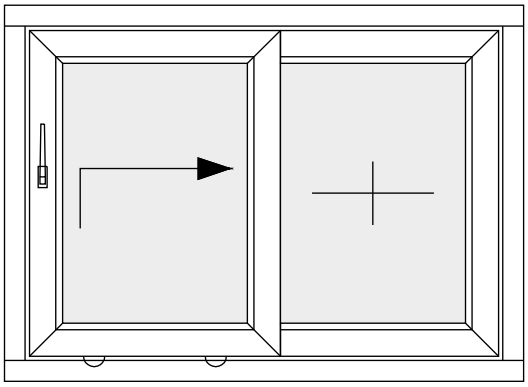


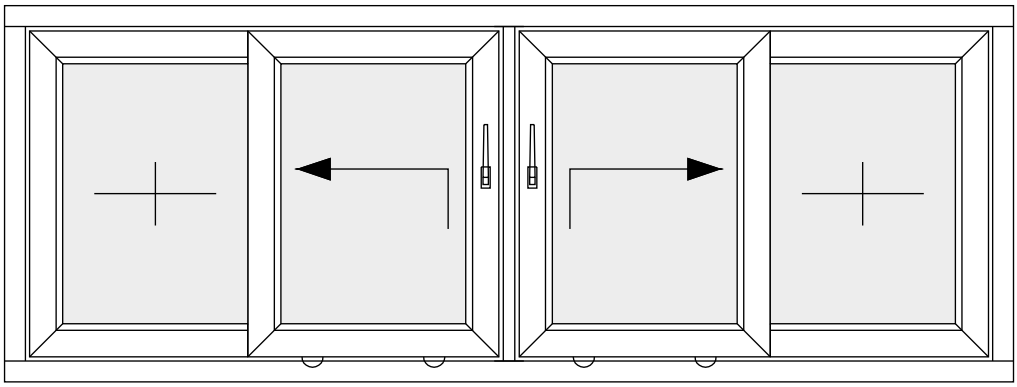




- Schemat A - Przekrój pionowy · Próg: 50 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 50 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 50 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 50 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 50 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 50 mm · Vleugel: 100 mm



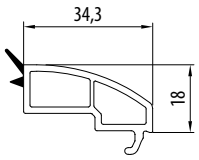
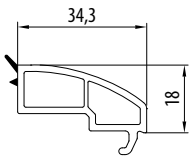
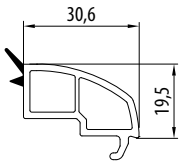
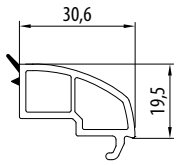
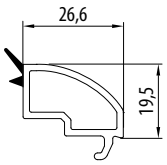
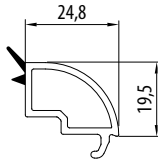


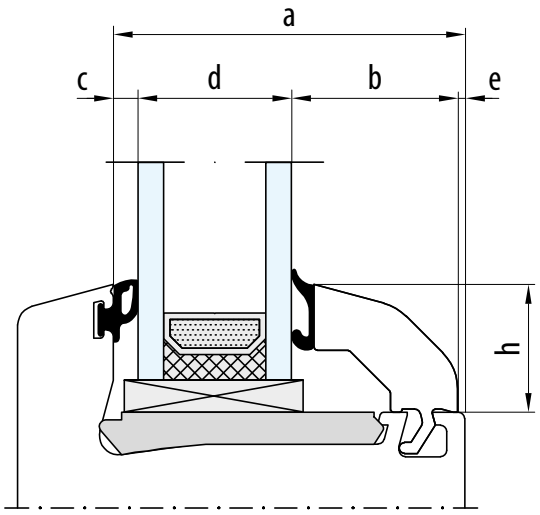
A



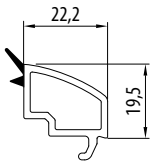
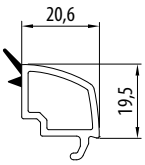
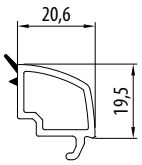
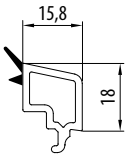
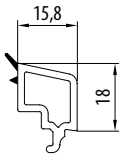
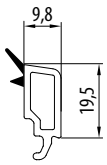
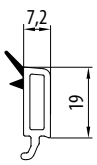
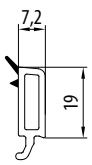
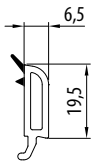
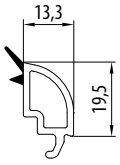
C

Schemat
Schéma
Schema
Schema
Schema
Schema

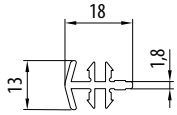
| | d [mm] | | | | | |
|---|---|---|---|---|---|---|
| EkoSun 70 | | | | | | 23 - 24 - 25 |
| EkoSun 6<br>EkoSun 6 NL<br>EkoSun 7<br>EkoSun HST | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 31 - 32 | 33 - 34 |
| CL |  6145 |  6245 |  7146 |  7246 |  7148 | |
| RL | | | | | |  7140 |



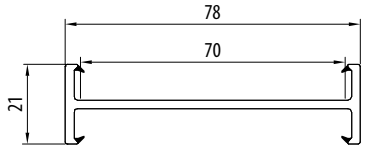

$$b = a - c - d - e$$

| | d [mm] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 26 - 27 | | | 32 - 33 | | 35 - 36 - 37 | 38 - 39 - 40 | 41 | 42 - 43 | 44 - 45 |
| | 35 - 36 | 37 - 38 | 39 - 40 | 41 - 42 | 43 - 44 | 45 - 46 | 47 - 48 | 49 - 50 | 51 - 52 | 53 - 54 - 55 |
| |  7149 |  7147 |  7247 |  6140 |  6240 | |  7145 |  6143 |  6243 |  7244 |
| | | | | | |  7143 | | | | |

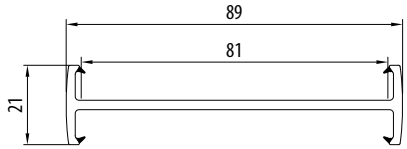
| | a [mm] | c [mm] | e [mm] |
|---|---|---|---|
| EkoSun 70 | 56 | 4 | 1 |
| EkoSun 6<br>EkoSun 6 NL<br>EkoSun 7<br>EkoSun HST | 65 | 4 | 1 |



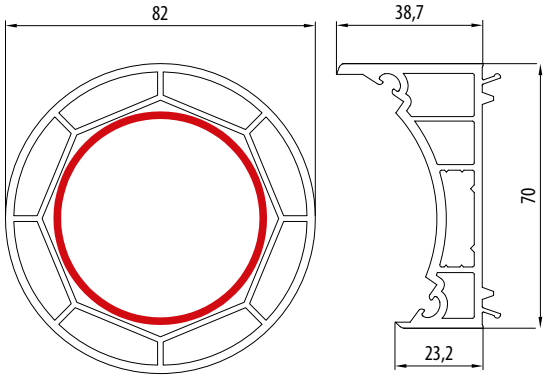

6250




7050

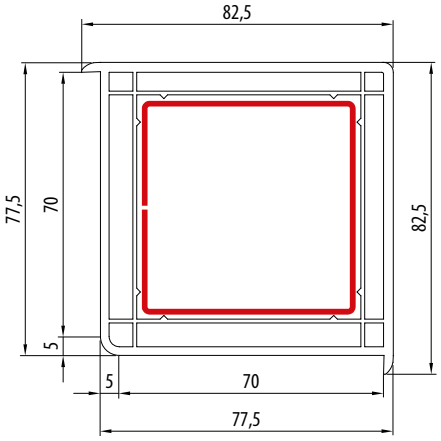



8150



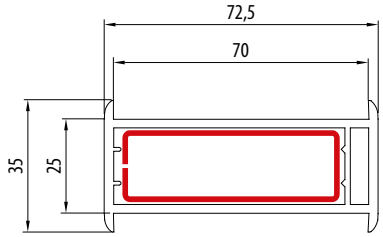

7054 7055

2,0 | 90-228-10 | Ix 12,3 | Iy 12,3



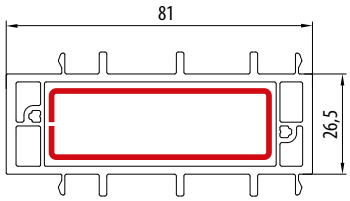

7052

1,5 | 90-225-10 | Ix 16,0 | Iy 15,8



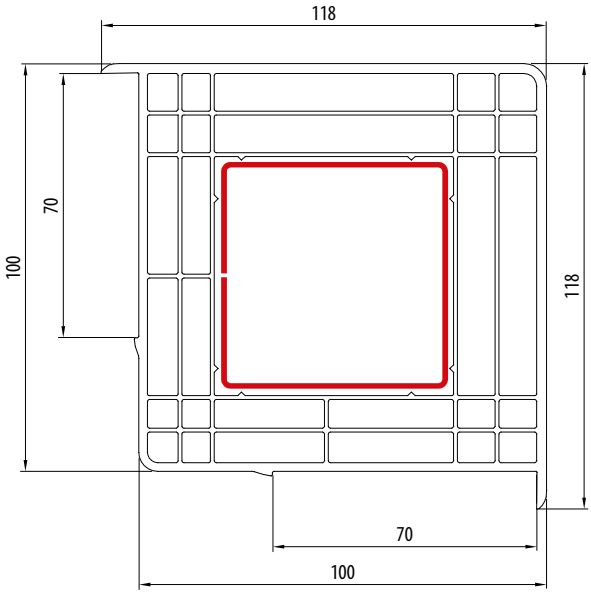

7153

1,5 | 90-227-10 | Ix 1,4 | Iy 8,7



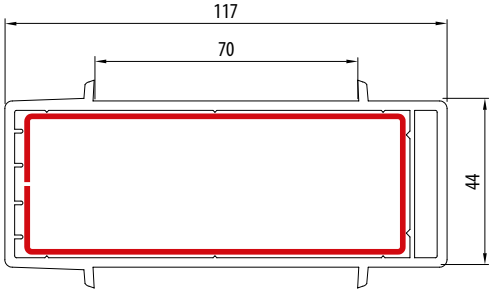

8153

1,5 | 90-227-10 | Ix 1,4 | Iy 8,7




9152

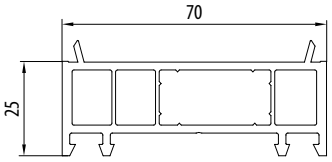
1,5 | 90-225-10 | Ix 16,0 | Iy 15,8



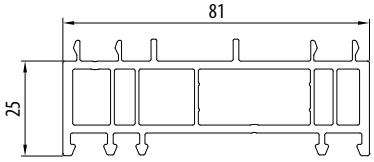

7056

1,5 | 90-230-10 | Ix 10,3 | Iy 48,5

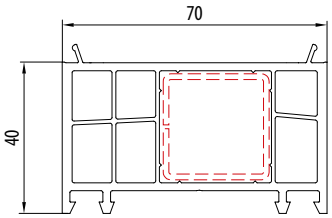
1:2




7058

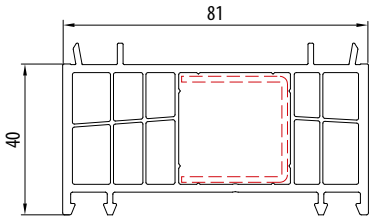



8158



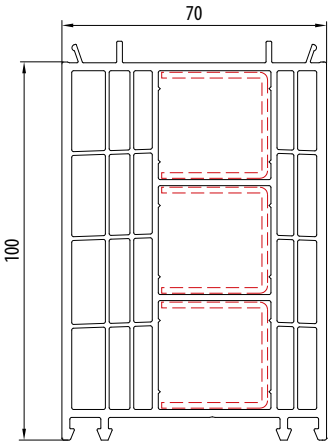

7051

| | | | | | |
|---|---|---|---|---|---|
| – | 0,0 | – | Ix | 0,0 | Iy 0,0 |
| | 1,5 | 90-101-10 | Ix | 1,8 | Iy 1,7 |



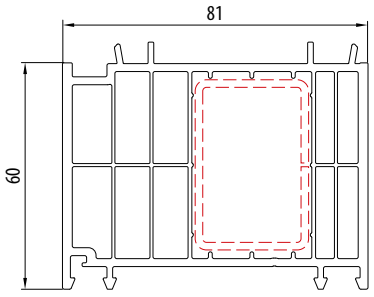

8151

| | | | | | |
|---|---|---|---|---|---|
| – | 0,0 | – | Ix | 0,0 | Iy 0,0 |
| | 1,5 | 90-100-10 | Ix | 1,6 | Iy 0,9 |



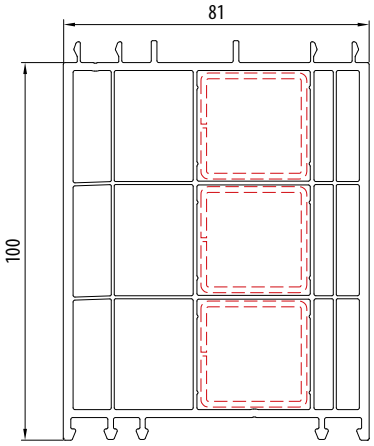

7159

| | | | | | |
|---|---|---|---|---|---|
| – | 0,0 | – | Ix | 0,0 | Iy 0,0 |
| | 1,5 | 90-100-10 x 3 | Ix | 4,9 | Iy 2,9 |



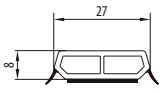

8157

| | | | | | |
|---|---|---|---|---|---|
| – | 0,0 | – | Ix | 0,0 | Iy 0,0 |
| | 2,0 | 90-247-10 | Ix | 7,5 | Iy 3,9 |




8159

| | | | | | |
|---|---|---|---|---|---|
| – | 0,0 | – | Ix | 0,0 | Iy 0,0 |
| | 1,5 | 90-101-10 x 3 | Ix | 5,4 | Iy 5,3 |




5140



1:2

MENU

MENU

# GEALAN

## INNOVATION MIT SYSTEM


IDEAL 4000


ENERGETO 8000


EASYSLIDE


IDEAL 4000 NEW


IDEAL NEO AD / MD


MULTISLIDE


IDELA 5000


ENERGETO NEO


SMARTSLIDE


IDEAL 7000 NEW


MONOBLOCK


HST 85


IDEAL 7000 NL


NORDLINE


IDEAL 8000


IDEAL 70 /4000
CASEMANT

ALUPLAST

SALAMANDER



EVOLUTIONDRIVE 82 | EVOLUTIONDRIVE PLUS+ | EVOLUTIONDRIVE SF | BLUEVOLUTION 92 | BLUEVOLUTION 82 | GREENEVOLUTION FLEX

EKOSUN

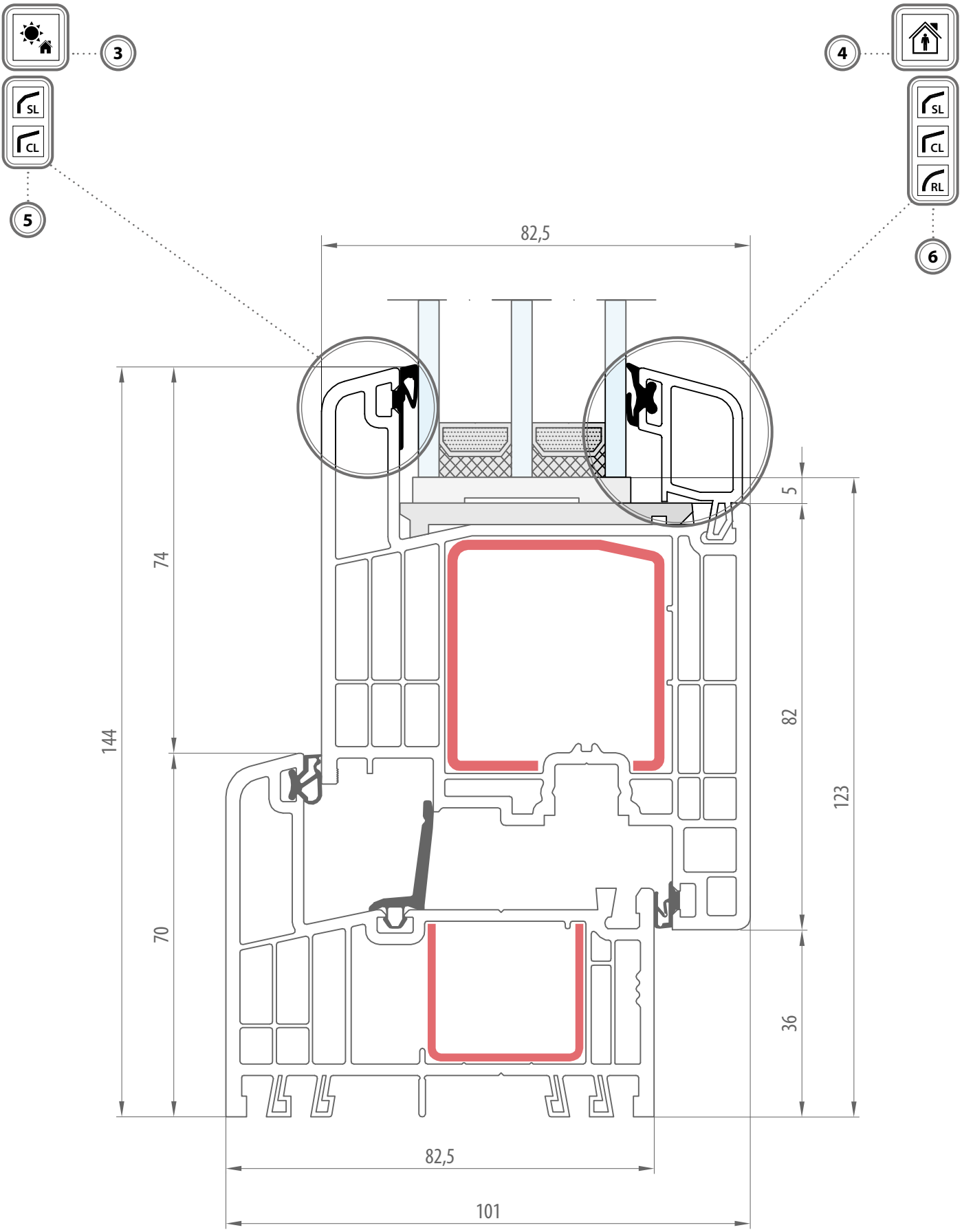


EKOSUN HST | EKOSUN 70 | EKOSUN 7 | EKOSUN 6 NL | EKOSUN 6

GEALAN



GEALAN HST | SYSTEM | GEALAN S8000




- Rama: 65 mm · Skrzydło: 77 mm
- Dormant: 65 mm · Vantail: 77 mm
- Frame: 65 mm · Sash: 77 mm
- Rahmen: 65 mm · Flügel: 77 mm
- Telaio: 65 mm · Anta: 77 mm
- Kozijn: 65 mm · Vleugel: 77 mm

# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen

**1**
- Nazwa systemu
- Nom du système
- Name of a system
- System
- Nome del sistema
- Systeem naam

**2**
- Numery profili
- Numéros de profil
- Number of profiles
- Nummern der Profile
- Numeri dei profili
- Systeem naam

**3**
- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant

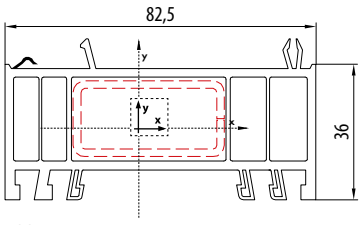
**4**
- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant

**5**
- Wykończenie zewnętrzne skrzydła
- Finition extérieure des l'ouvrant
- Finished of an external sash
- Ausführung der Innenseite es Flügels
- Finitura esterna dell'anta
- Buitenafwerking van de vleugel

**6**
- Wykończenie listwy przyszybowej
- Finition de la parclose
- Finished of a glazing bead
- Ausführung der Glasleiste
- Finitura del fermavetro
- Afwerking van glaslatten

**7**
- Opis rysunku - szerokość profili
- Description du dessin
- Description of a drawing
- Beschreibung der Zeichnung
- Descrizione del disegno
- Tekening beschrijving - profielbreedte

**8**
- Miejsce i skala przekroju
- Endroit et échelle de la coupe
- Place and scale of the cross-section
- Stelle und Skala des Querschnitts
- Luogo e scala della sezione
- Plaats en schaal van de doorsnede




12345

| | | | | |
|---|---|---|---|---|
| – | 0,0 | – | Ix 0,0 | Iy 0,0 |
| | 2,0 | 12345 | Ix 1,4 | Iy 4,1 |
| Wzmocnienie | Grubość | Kod | Moment bezwładności [cm⁴] | |
| Renforcement | Épaisseur | Code | Moment d'inertie [cm⁴] | |
| Reinforcement | Thickness | Code | Moment of inertia [cm⁴] | |
| Verstärkung | Stärke | Code | Flächenträgheitsmoment [cm⁴] | |
| Rinforzo | Spessore | Codice | Momento di inerzia [cm⁴] | |
| Versterking | Dikte | Code | Traagheidsmoment [cm⁴] | |

Przedstawiono wzmocnienia standardowe dla konstrukcji w kolorze białym o wymiarach referencyjnych.

Les renforts standard pour une structure de couleur blanche de dimension de référence ont été présentés.

Standard reinforcements for white constructions with reference dimensions are presented

Es wurden standard Verstärkungen bei weißen Elementen mit Referenzmassen dargestellt

Sono stati presentati i rinforzi standard delle costruzioni di colore bianco con dimensioni di riferimento.

Standaard verstevigingen worden gepresenteerd voor de constructie in het wit met referentiematen

# Opis oznaczeń · Description des marquages · Descriptions of markings
# Beschreibung · Descrizione delle marcature · Beschrijving van markeringen



- Ilość komór
- Nombre de chambres
- Number of chambers
- Anzahl Kammern
- Quantita' di camere
- Aantal kamers



- Ilość uszczelek
- Nombre de joitns
- Number of gaskets
- Anzahl Dichtungen
- Quantita' delle guarnizioni
- Aantal afdichtingen



- Głębokość zabudowy
- Profondeur de construction
- Installation depth
- Bautiefe
- Profondita' di montaggio
- Inbouwdiepte




- Max grubość wypełnienia
- Épaisseur max du vitrage
- Max filing thickness
- Maximale Stärke der Verglasung
- Massimo spessore del riempimento
- Maximale dikte van de vulling



- Strona zewnętrzna
- Face extérieure
- External side
- Aussensetie
- Parte esterna
- Buitenkant



- Strona wewnętrzna
- Face intérieure
- Internal side
- Innenseite
- Parte interna
- Binnenkant



- Rodzaj zgrzewu
- Type de soudure
- Welding type
- Art der Schweißnaht
- Tipo di saldatura
- Type van lassen




- Możliwość zamówienia profilu w klasie A
- Possibilité de commander le profilé de classe A
- It is possible to order a profile in A class
- Auch als A-Klasse-Profil erhältlich
- Possibilita' di ordinare il profilo di classe A
- Mogelijkheid om A-klasseprofiel te bestellen



- Okucie okienne
- Ferrage de fenêtre
- Window fitting
- Fenster-Beschlag
- Ferramenta di finestre
- Raambeslag



- Okucie drzwiowe
- Ferrage de porte
- Door fitting
- Tür-Beschlag
- Ferramenta di porte
- Deurbeslag




- Technologia szyby wklejanej
- Technologie de vitrage collé
- Bonded glass technology
- Glas verklebt
- Tecnologia del vetro incollato
- Technologie van gelijmd glas




- Nakładki aluminiowe
- Capotage aluminium
- Aluminium covers
- Aluschale
- Coperture in alluminio
- Aluminium afdekkingen




Qube-line




Classic-line



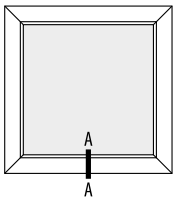

Soft-line



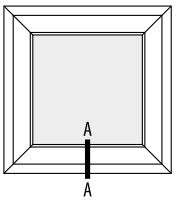

Round-line



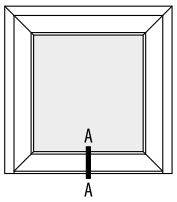

History-line



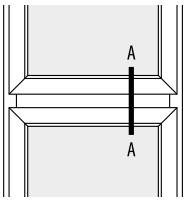

Okno ze stałym szkleniem
Fenêtre fixe
Window with a fixed glazing
Festverglasung
Finestre fisse
Raam met permanente beglazing



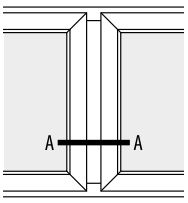

Rama - skrzydło
Dormant - Ouvrant
Frame - Sash
Rahmen - Flügel
Telaio - Anta
Kader - vleugel



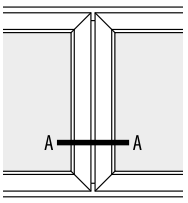

Próg - skrzydło
Seuil - Ouvrant
Threshold - Sash
Schwelle - Flügel
Soglia - Anta
Dorpel - vleugel



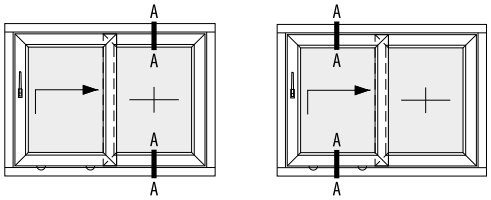

Poprzeczka
Traverse
Muntin bar
Kämpfer
Traverso
Tussenstijl



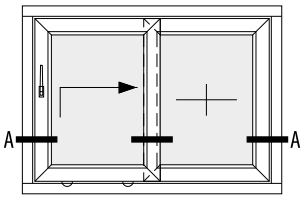

Słupek stały
Meneau fixe
Fixed post
Fester Pfosten
Montante fisso
Vaste stijl




Słupek ruchomy
Meneau mobile
Moveable post
Stulp
Montante mobile
Verplaatsbare stijl



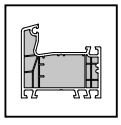

Schemat A - przekrój pionowy
Schéma A – coupe verticale
Scheme A – vertical intersection
Schema A – Senkrechter Querschnitt
Schema A – intersezione verticale
Schema A - verticale doorsnede



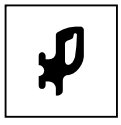

Schemat A - przekrój poziomy
Schéma A - coupe horizontale
Scheme A – horizontal intersection
Schema A – Waagerechter Querschnitt
Schema A – intersezione orizzontale
Schema A - horizontale doorsnede

# S 8000

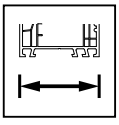




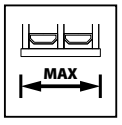
5-6



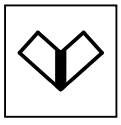
2

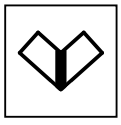


74

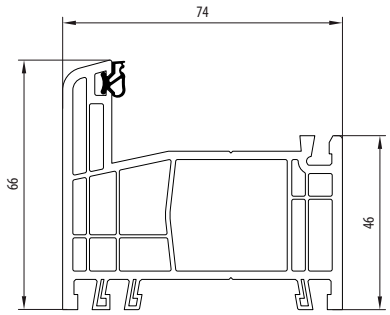



48

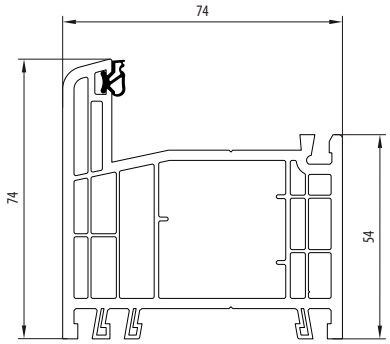


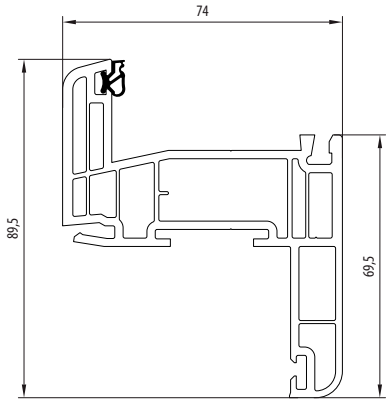




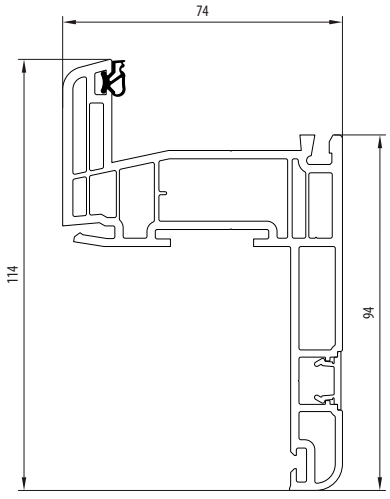

8001



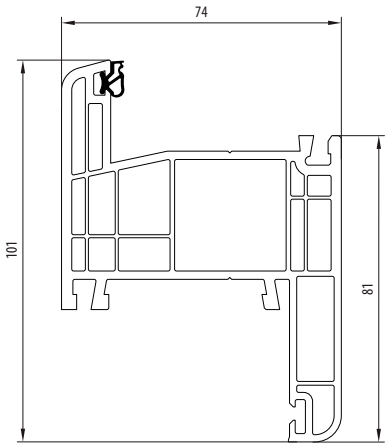

8010



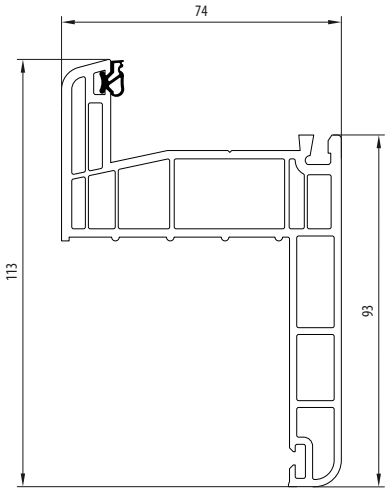

5507



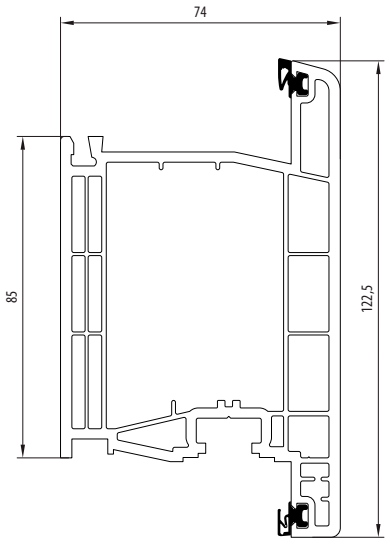

5515



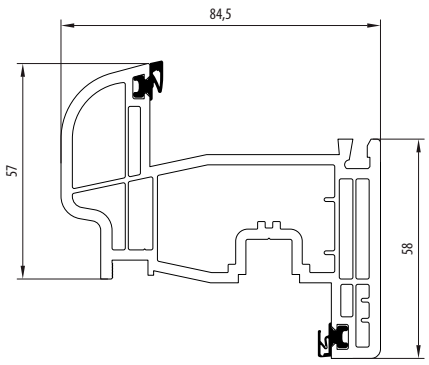

8033



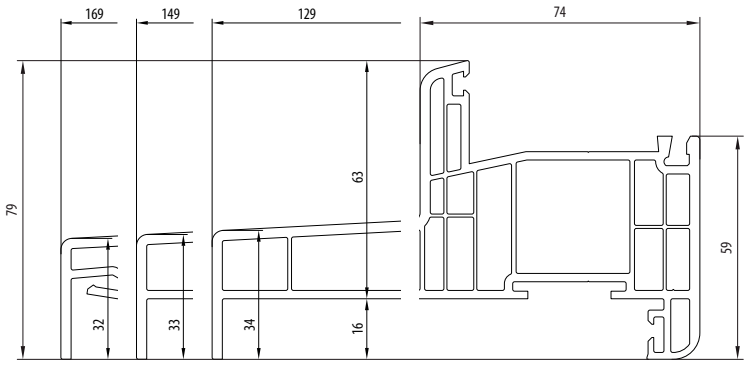

8034




8042

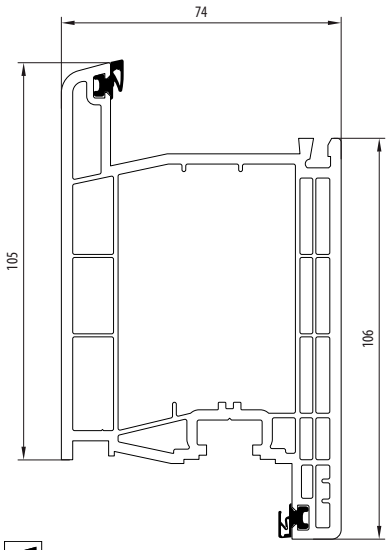



8068

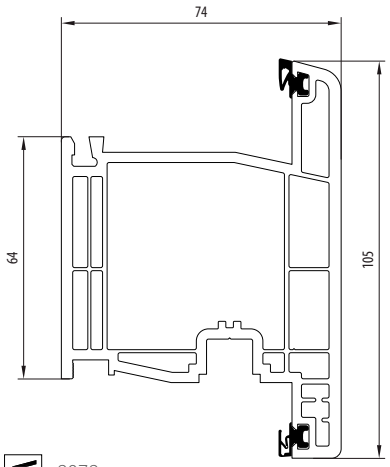



5503 5502 5501

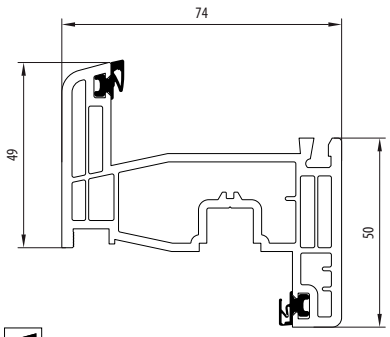
1:2



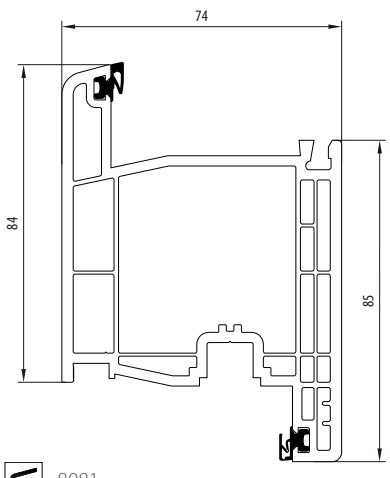

8076



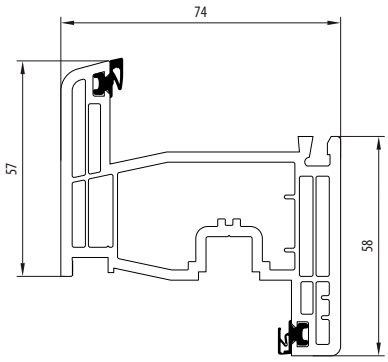

8078



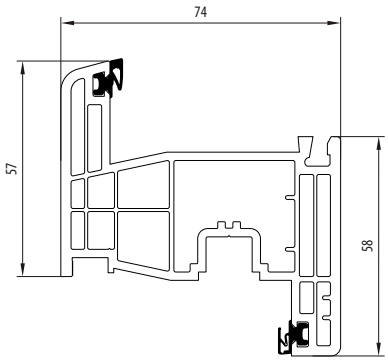

8079



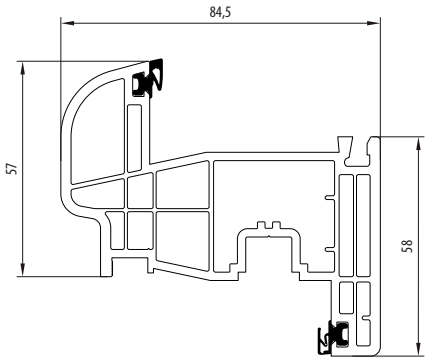

8081



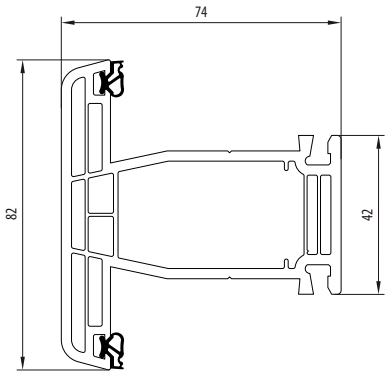

8092



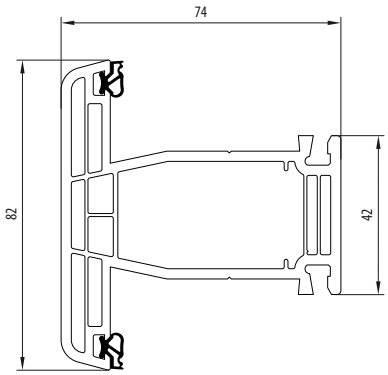

8095



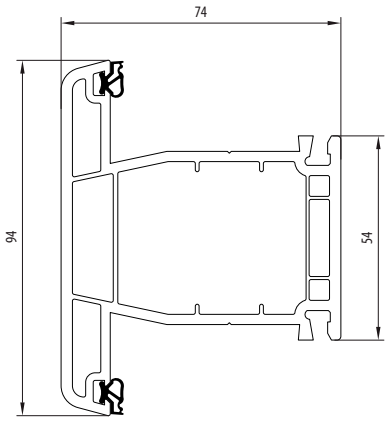

8096



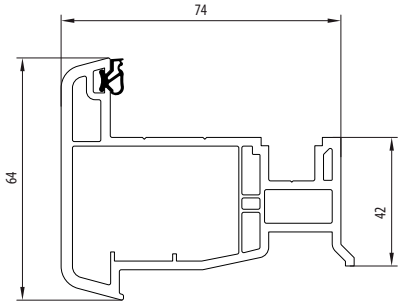

8038



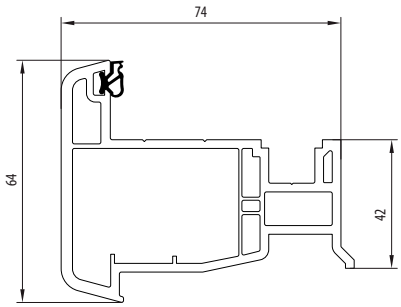

8039



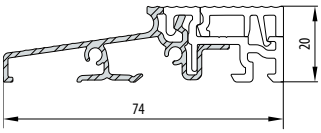

8040




8080

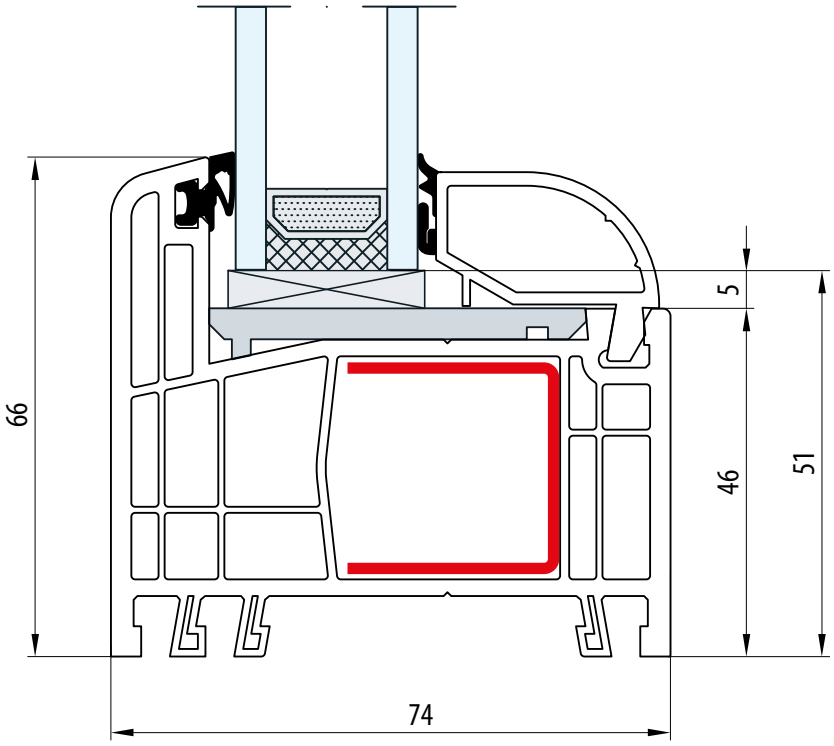



8304

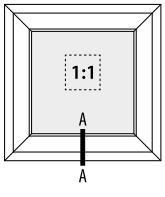


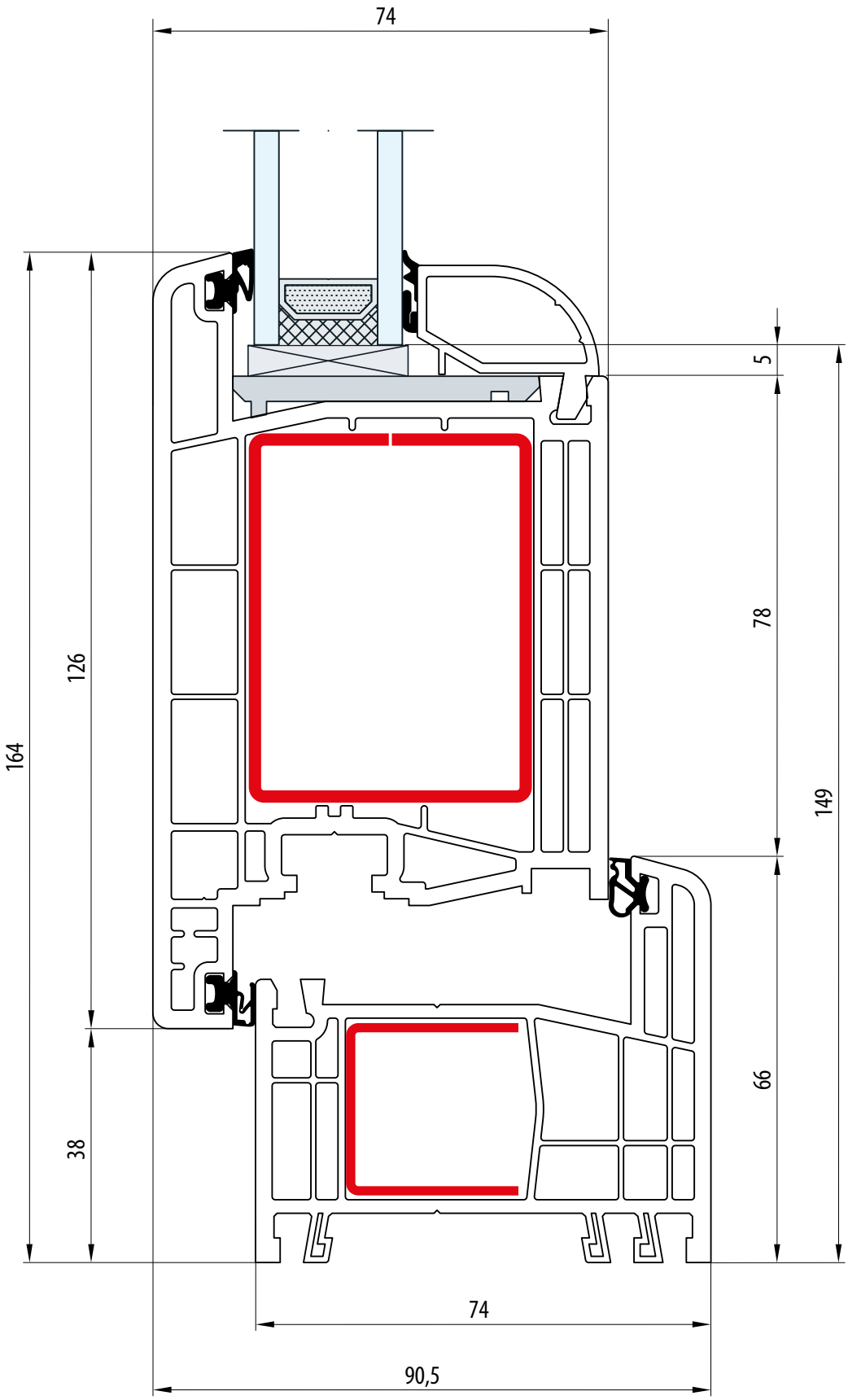

alu - GG-TS57450

1:2

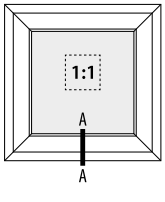


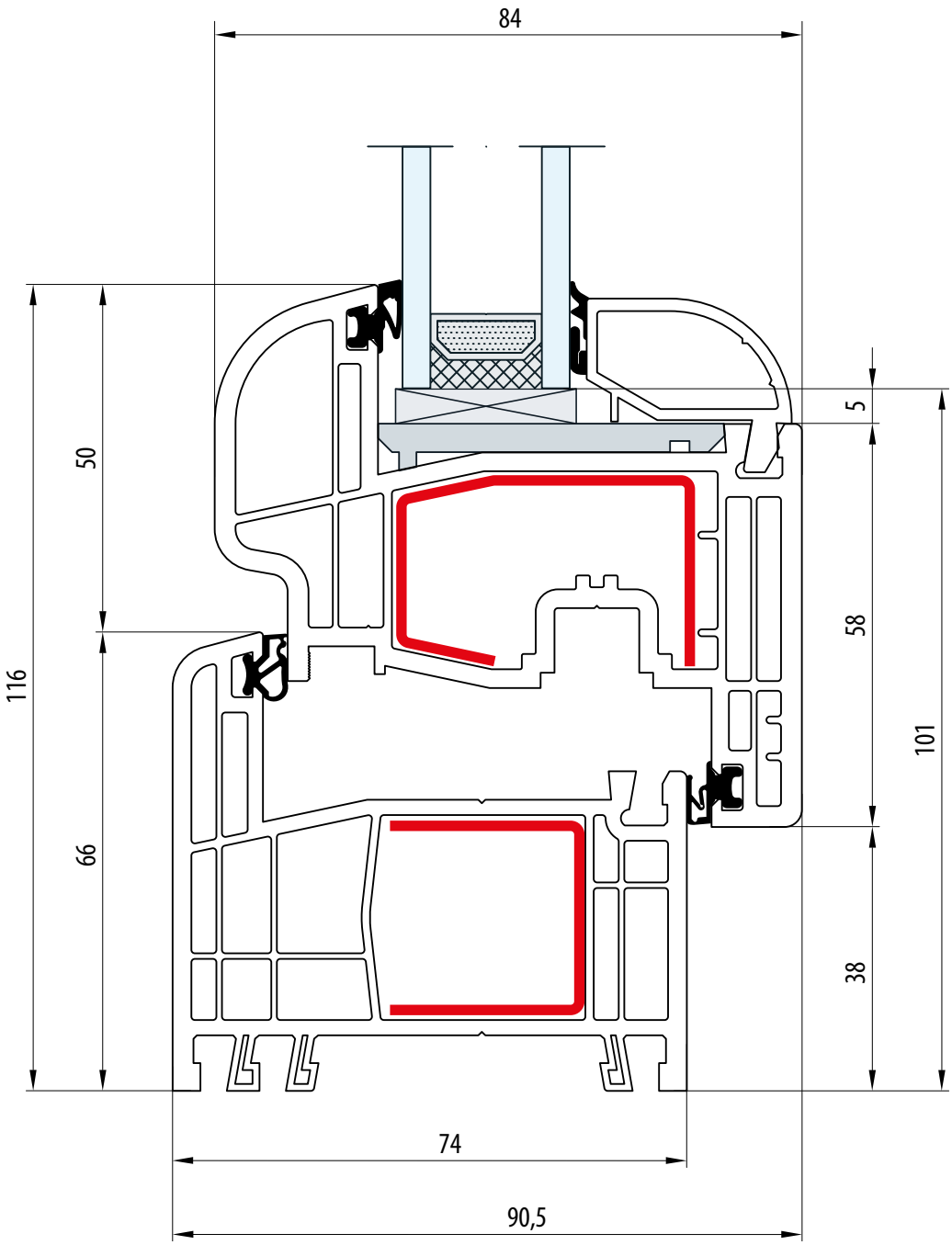

- Rama: 66 mm
- Dormant: 66 mm
- Frame: 66 mm
- Rahmen: 66 mm
- Telaio: 66 mm
- Kozijn: 66 mm



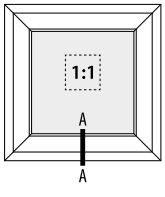


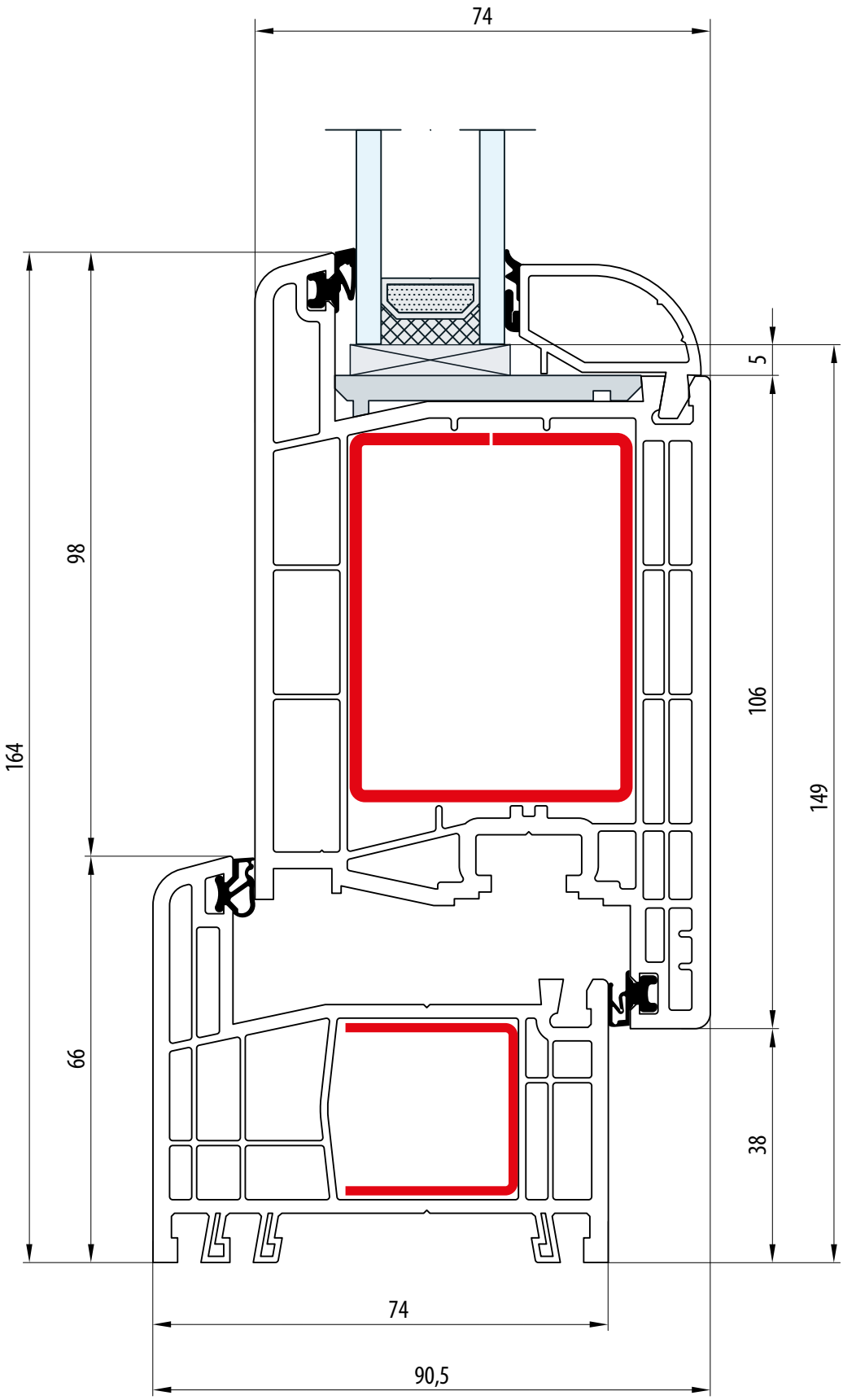

- Rama: 66 mm · Skrzydło: 126 mm
- Dormant: 66 mm · Vantail: 126 mm
- Frame: 66 mm · Sash: 126 mm
- Rahmen: 66 mm · Flügel: 126 mm
- Telaio: 66 mm · Anta: 126 mm
- Kozijn: 66 mm · Vleugel: 126 mm



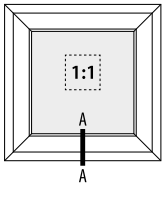


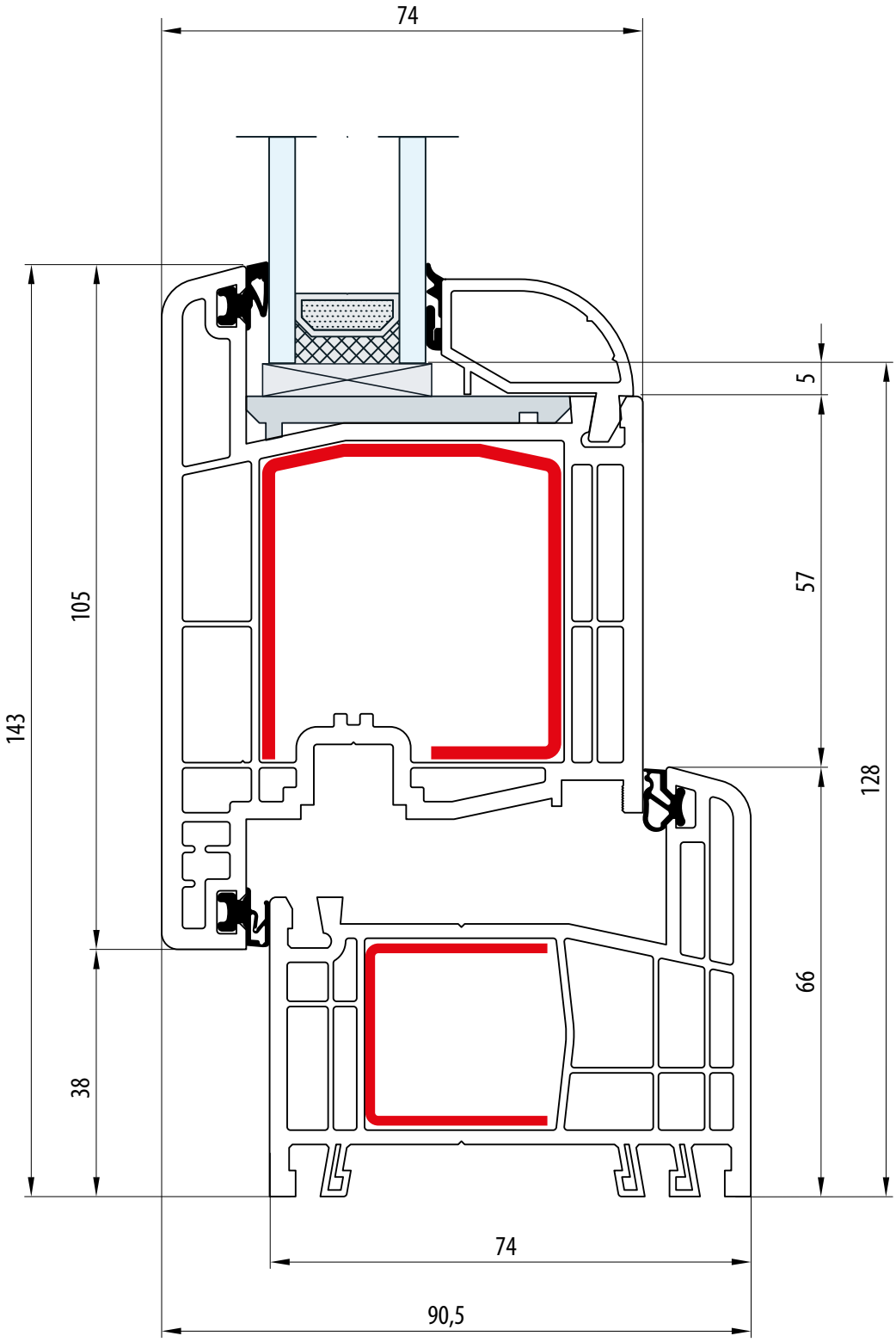

- Rama: 66 mm · Skrzydło: 78 mm
- Dormant: 66 mm · Vantail: 78 mm
- Frame: 66 mm · Sash: 78 mm
- Rahmen: 66 mm · Flügel: 78 mm
- Telaio: 66 mm · Anta: 78 mm
- Kozijn: 66 mm · Vleugel: 78 mm



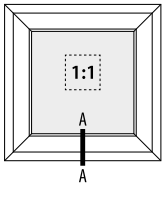


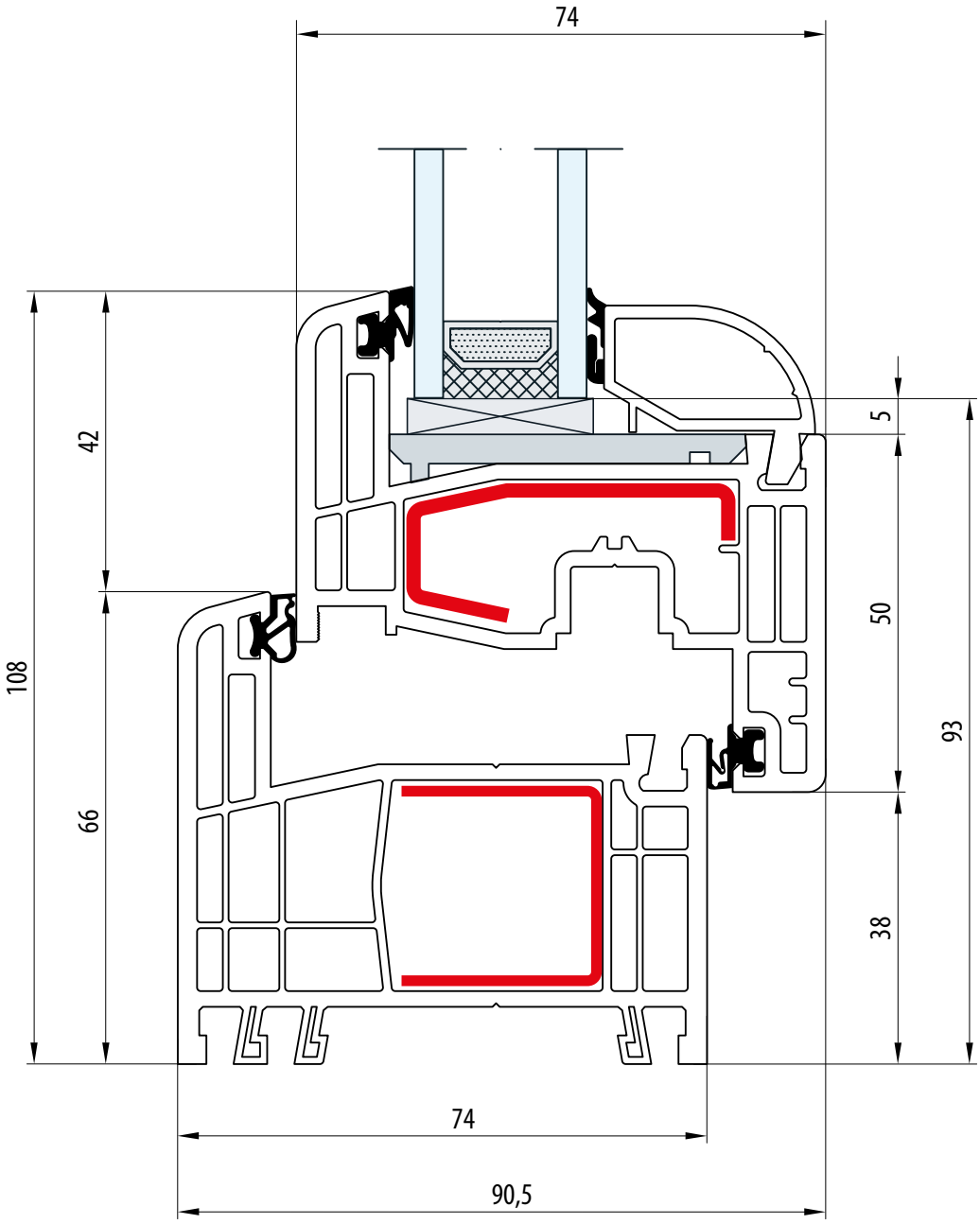

- Rama: 66 mm · Skrzydło: 126 mm
- Dormant: 66 mm · Vantail: 126 mm
- Frame: 66 mm · Sash: 126 mm
- Rahmen: 66 mm · Flügel: 126 mm
- Telaio: 66 mm · Anta: 126 mm
- Kozijn: 66 mm · Vleugel: 126 mm



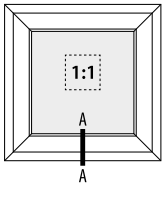


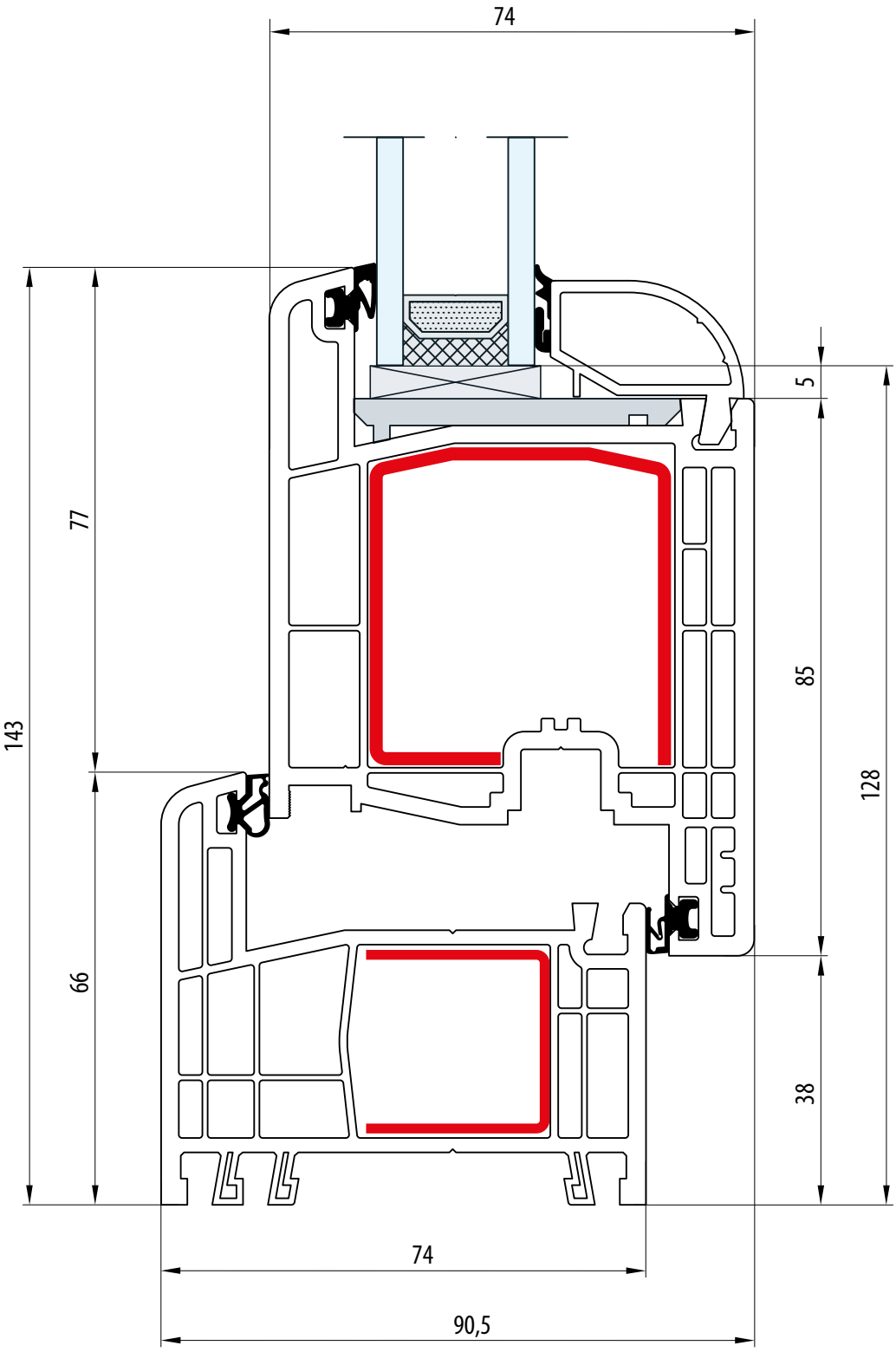

- Rama: 66 mm · Skrzydło: 105 mm
- Dormant: 66 mm · Vantail: 105 mm
- Frame: 66 mm · Sash: 105 mm
- Rahmen: 66 mm · Flügel: 105 mm
- Telaio: 66 mm · Anta: 105 mm
- Kozijn: 66 mm · Vleugel: 105 mm



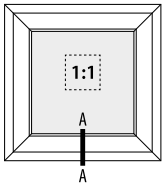


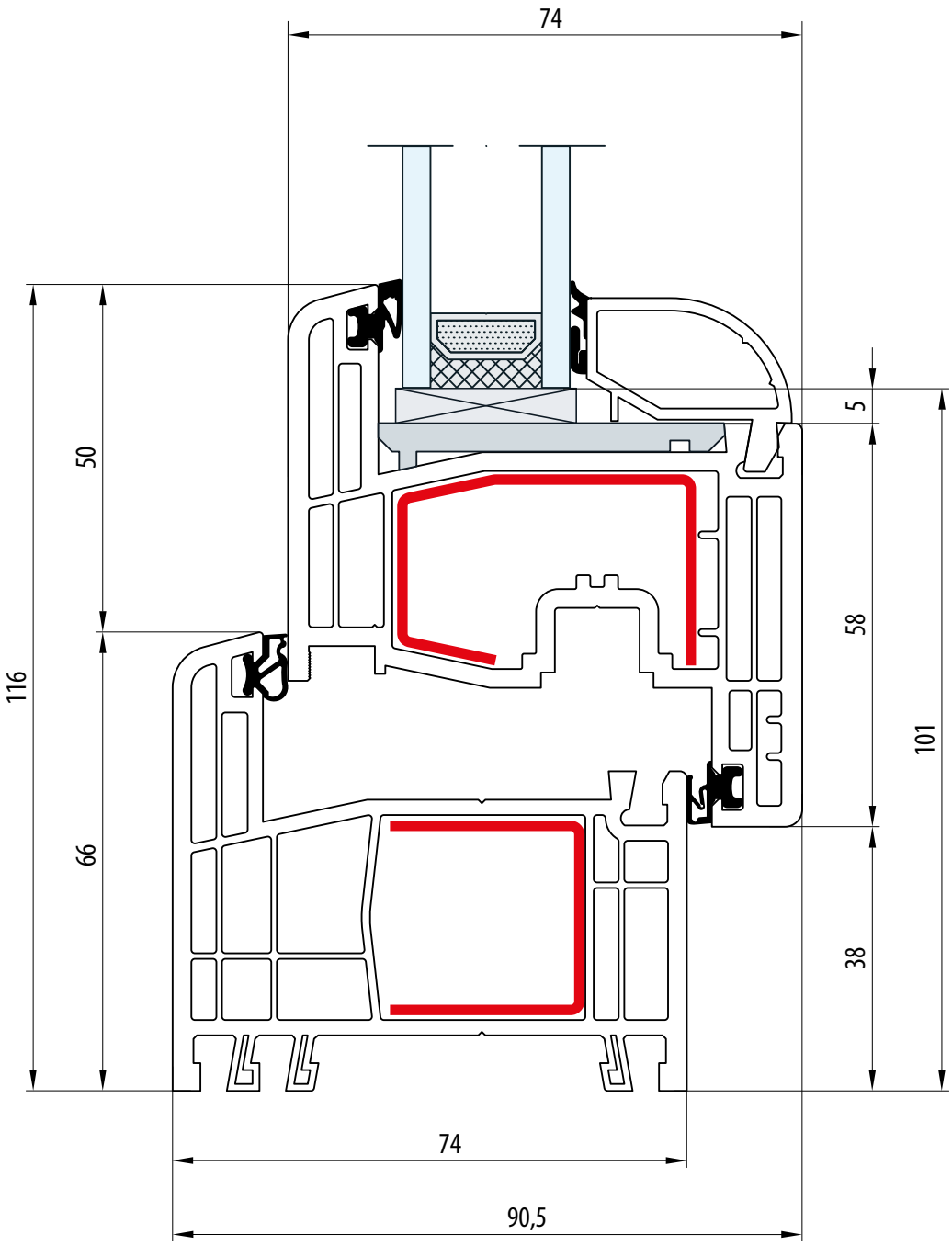

- Rama: 66 mm · Skrzydło: 70 mm
- Dormant: 66 mm · Vantail: 70 mm
- Frame: 66 mm · Sash: 70 mm
- Rahmen: 66 mm · Flügel: 70 mm
- Telaio: 66 mm · Anta: 70 mm
- Kozijn: 66 mm · Vleugel: 70 mm



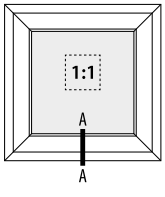


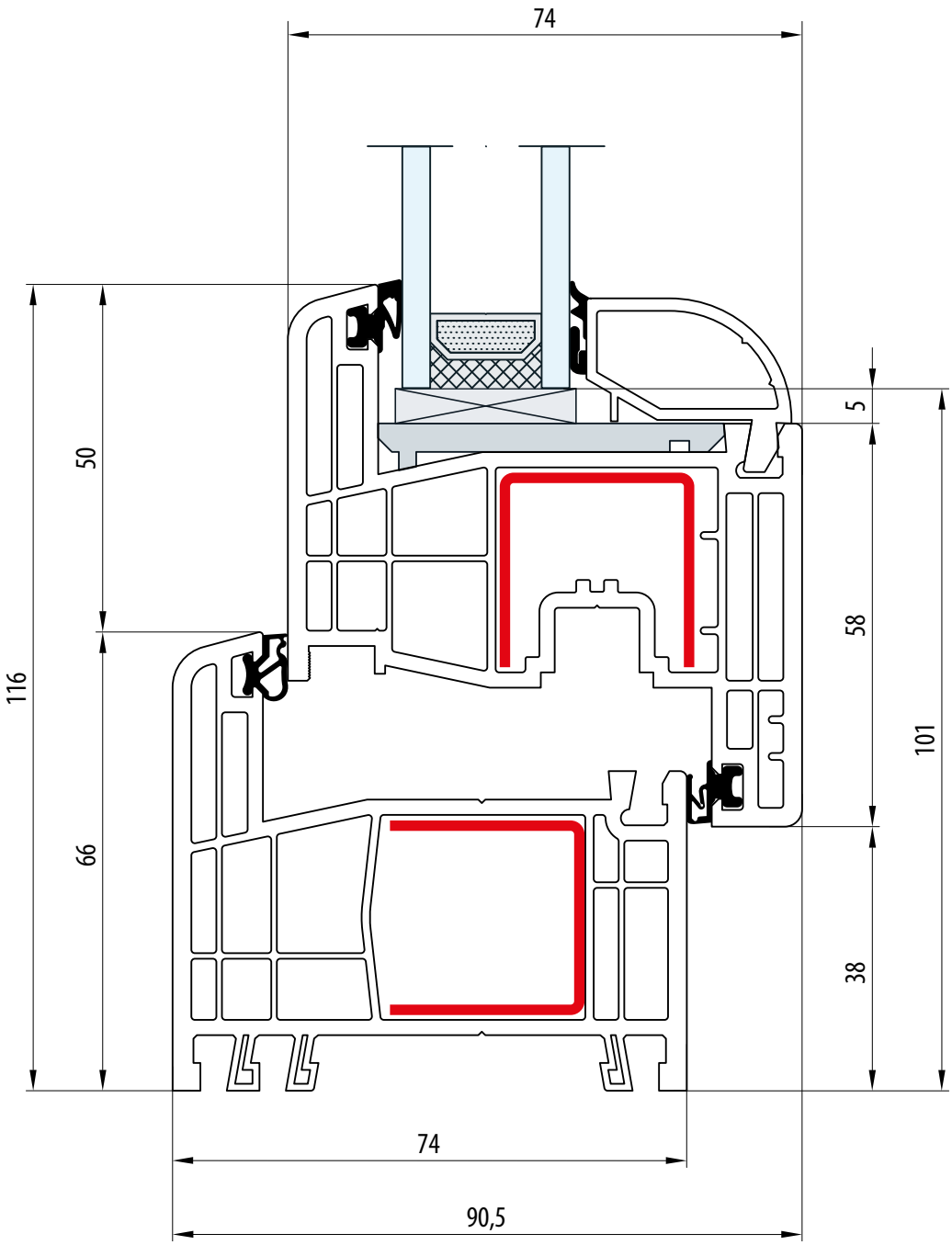

- Rama: 66 mm · Skrzydło: 105 mm
- Dormant: 66 mm · Vantail: 105 mm
- Frame: 66 mm · Sash: 105 mm
- Rahmen: 66 mm · Flügel: 105 mm
- Telaio: 66 mm · Anta: 105 mm
- Kozijn: 66 mm · Vleugel: 105 mm



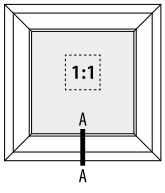


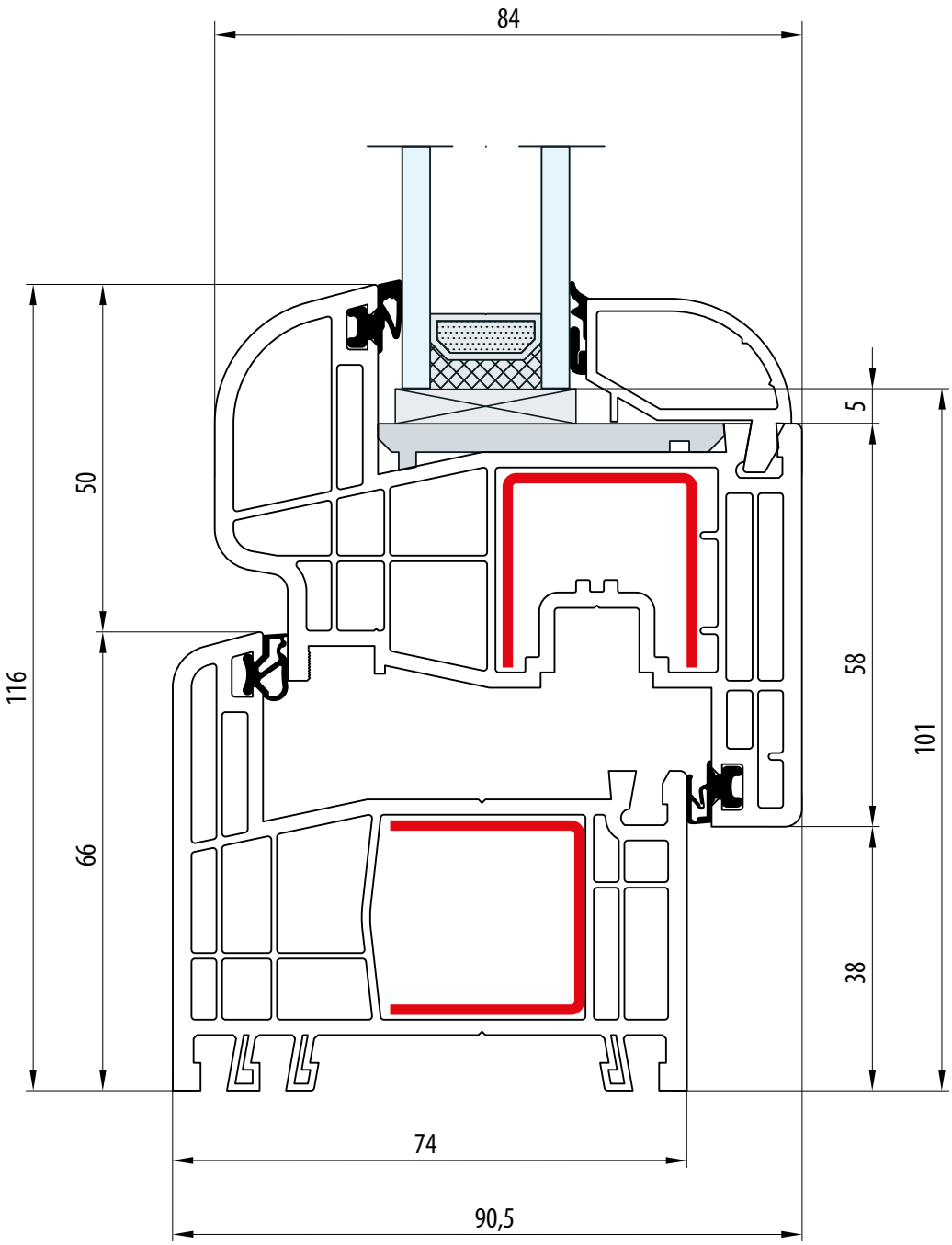

- Rama: 66 mm · Skrzydło: 78 mm
- Dormant: 66 mm · Vantail: 78 mm
- Frame: 66 mm · Sash: 78 mm
- Rahmen: 66 mm · Flügel: 78 mm
- Telaio: 66 mm · Anta: 78 mm
- Kozijn: 66 mm · Vleugel: 78 mm



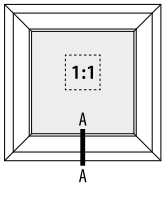


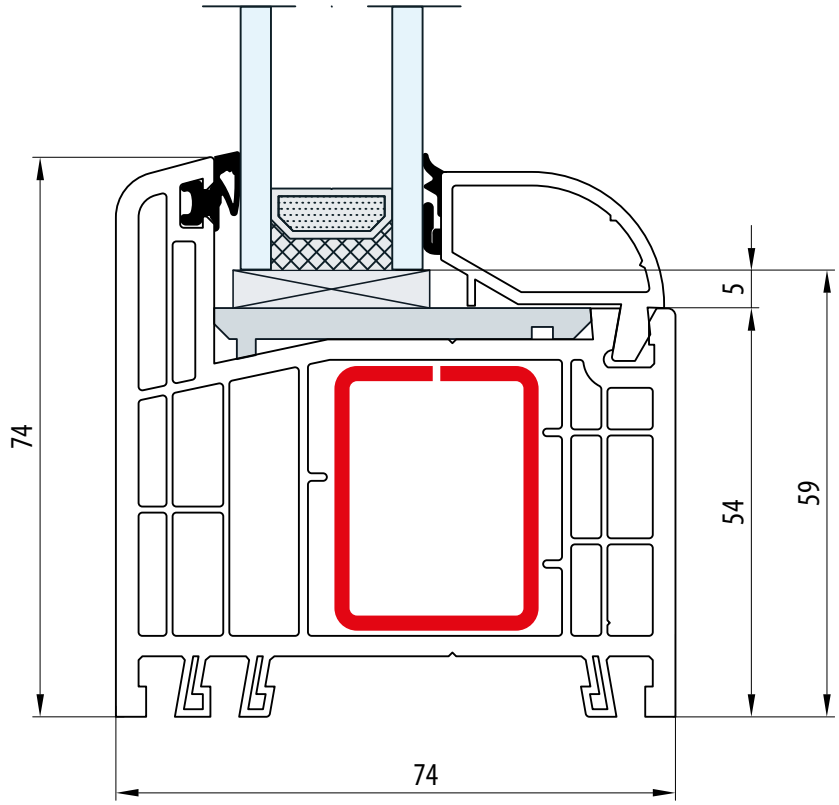

Rama: 66 mm · Skrzydło: 78 mm
Dormant: 66 mm · Vantail: 78 mm
Frame: 66 mm · Sash: 78 mm
Rahmen: 66 mm · Flügel: 78 mm
Telaio: 66 mm · Anta: 78 mm
Kozijn: 66 mm · Vleugel: 78 mm



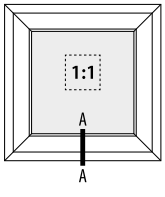


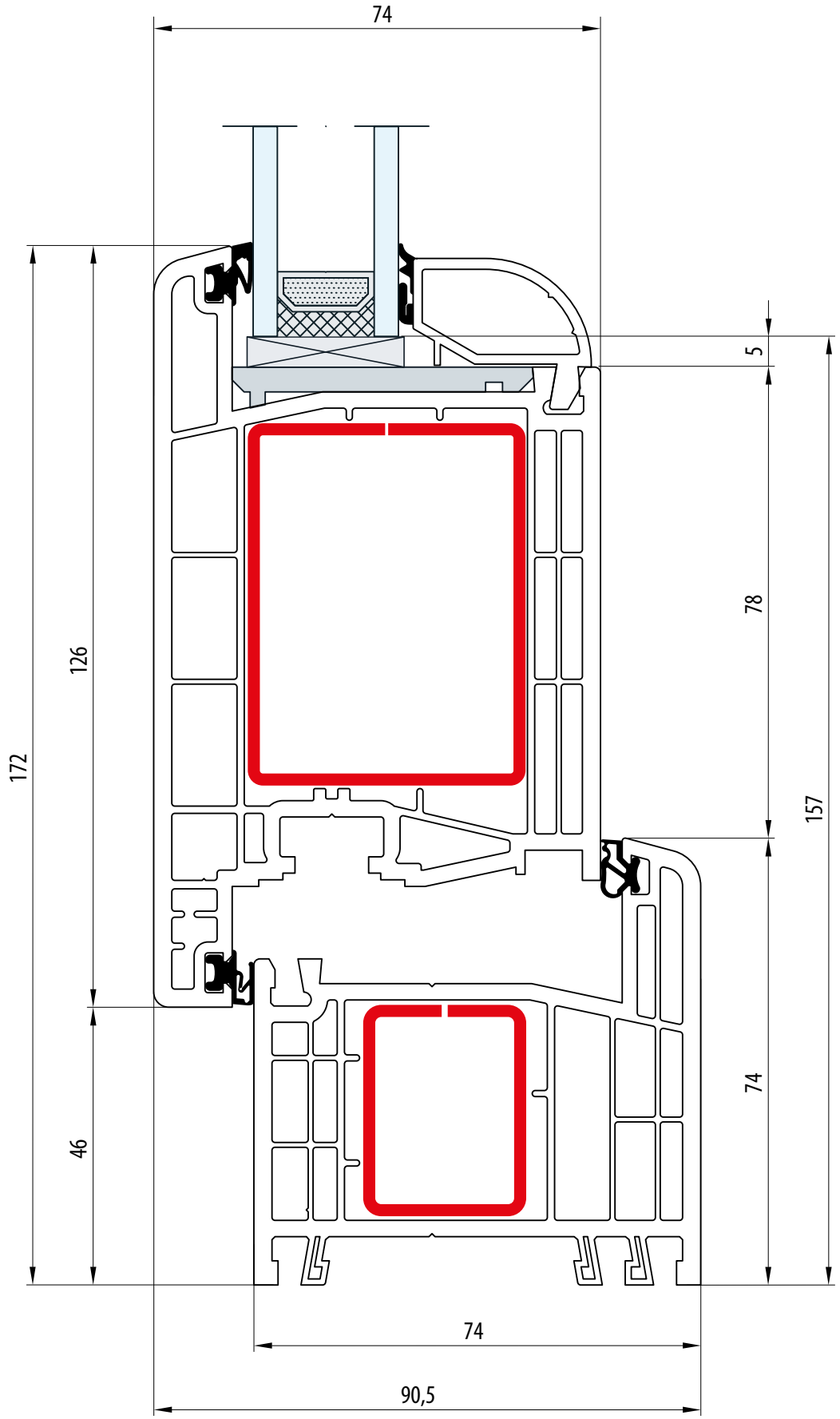

- Rama: 66 mm · Skrzydło: 78 mm
- Dormant: 66 mm · Vantail: 78 mm
- Frame: 66 mm · Sash: 78 mm
- Rahmen: 66 mm · Flügel: 78 mm
- Telaio: 66 mm · Anta: 78 mm
- Kozijn: 66 mm · Vleugel: 78 mm



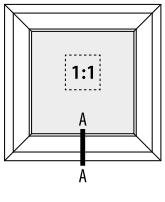


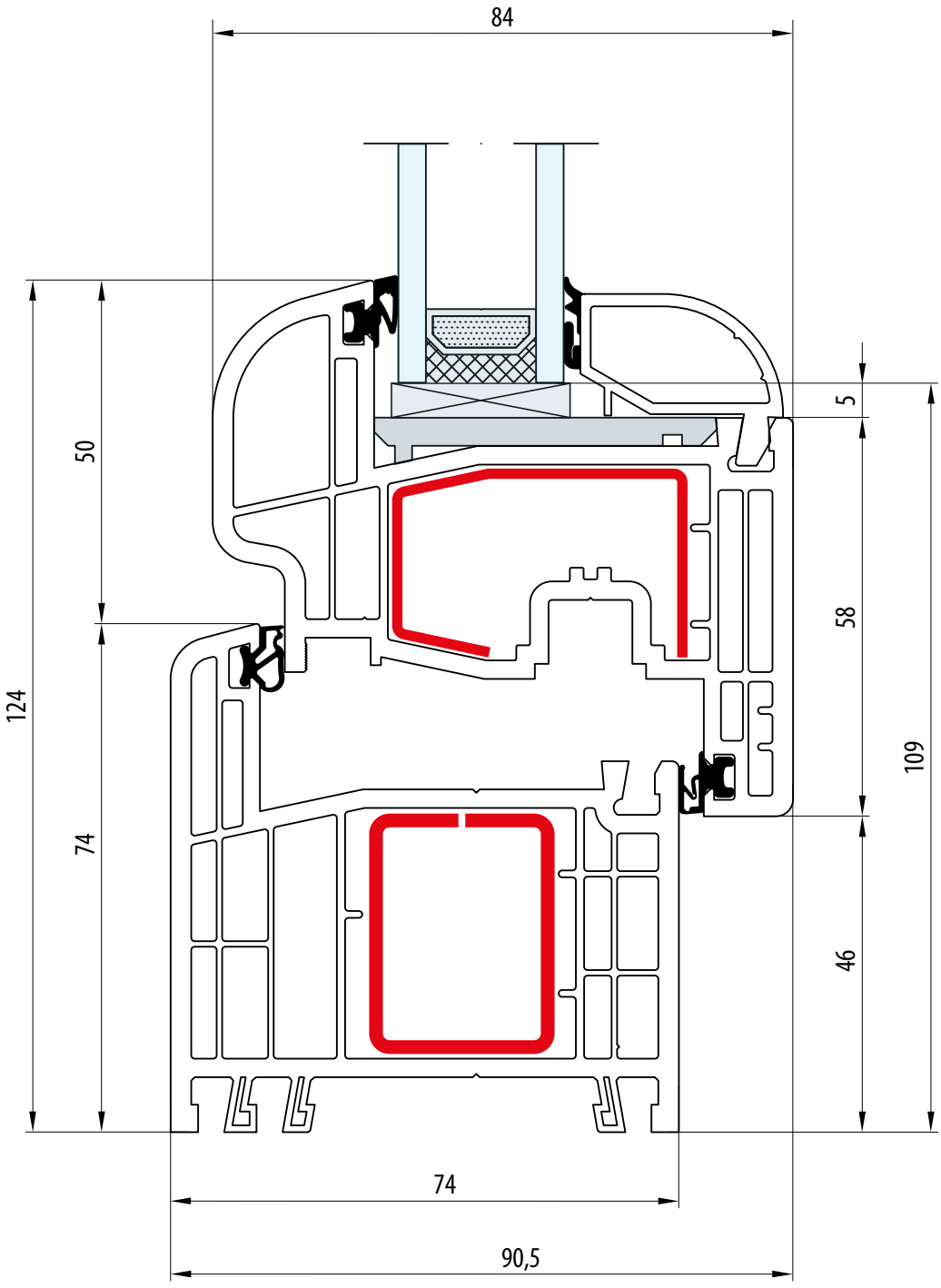

Rama: 74 mm
Dormant: 74 mm
Frame: 74 mm
Rahmen: 74 mm
Telaio: 74 mm
Kozijn: 74 mm



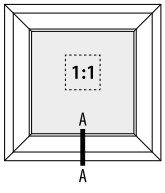


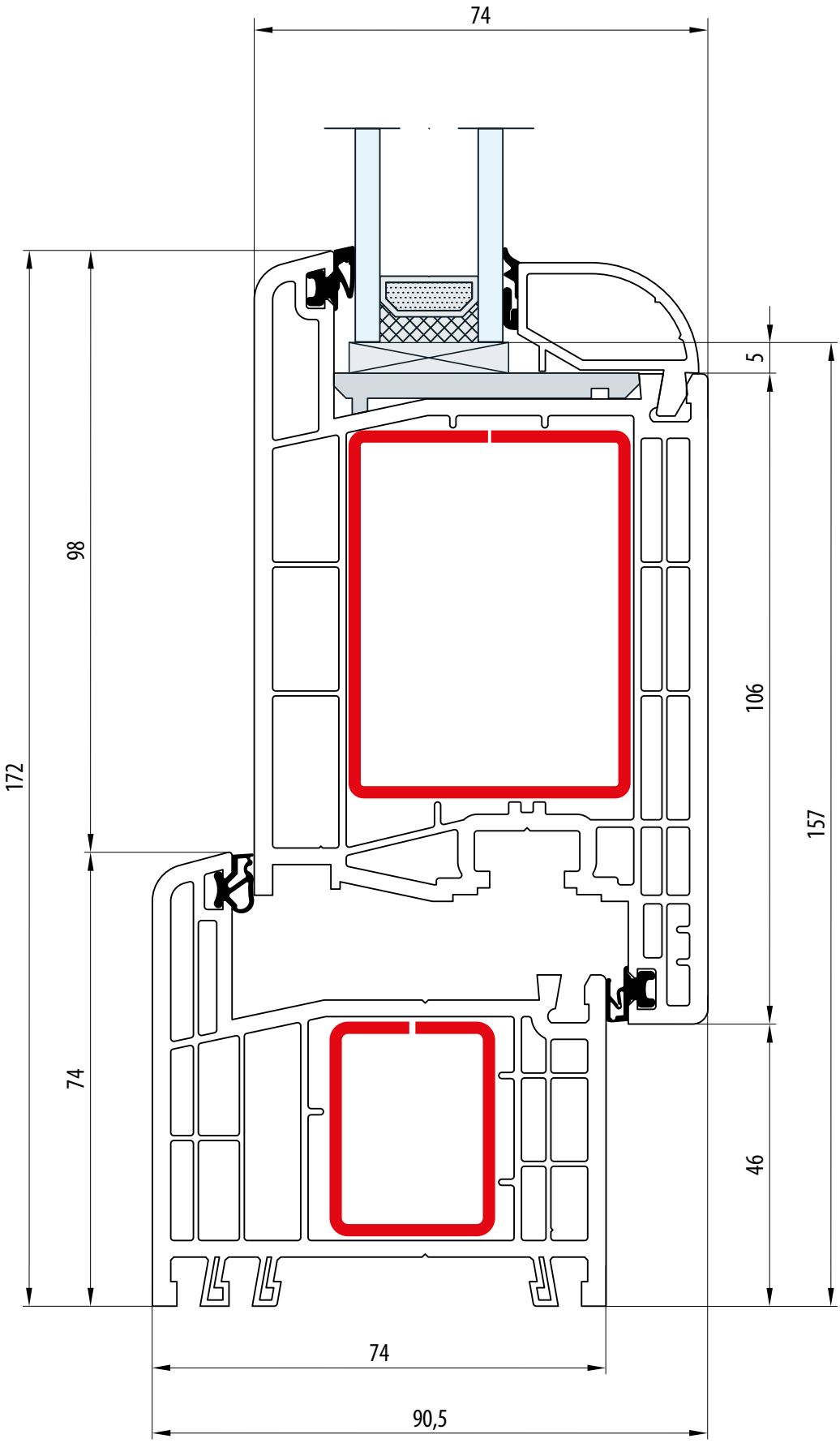

- Rama: 74 mm · Skrzydło: 126 mm
- Dormant: 74 mm · Vantail: 126 mm
- Frame: 74 mm · Sash: 126 mm
- Rahmen: 74 mm · Flügel: 126 mm
- Telaio: 74 mm · Anta: 126 mm
- Kozijn: 74 mm · Vleugel: 126 mm



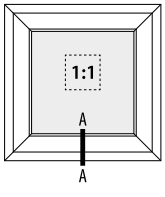


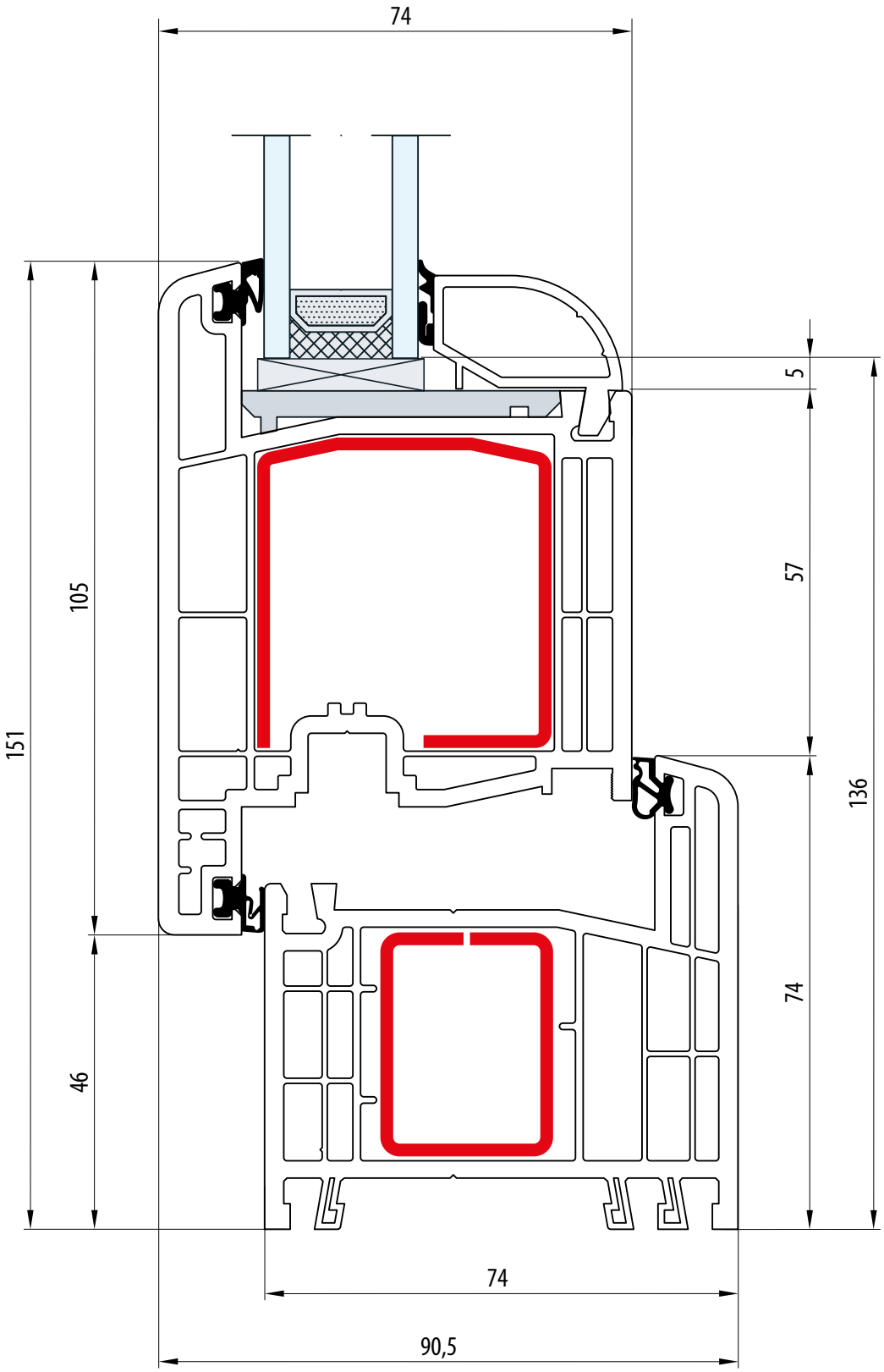

Rama: 74 mm · Skrzydło: 78 mm
Dormant: 74 mm · Vantail: 78 mm
Frame: 74 mm · Sash: 78 mm
Rahmen: 74 mm · Flügel: 78 mm
Telaio: 74 mm · Anta: 78 mm
Kozijn: 74 mm · Vleugel: 78 mm



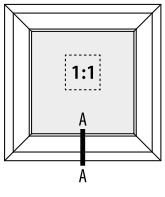


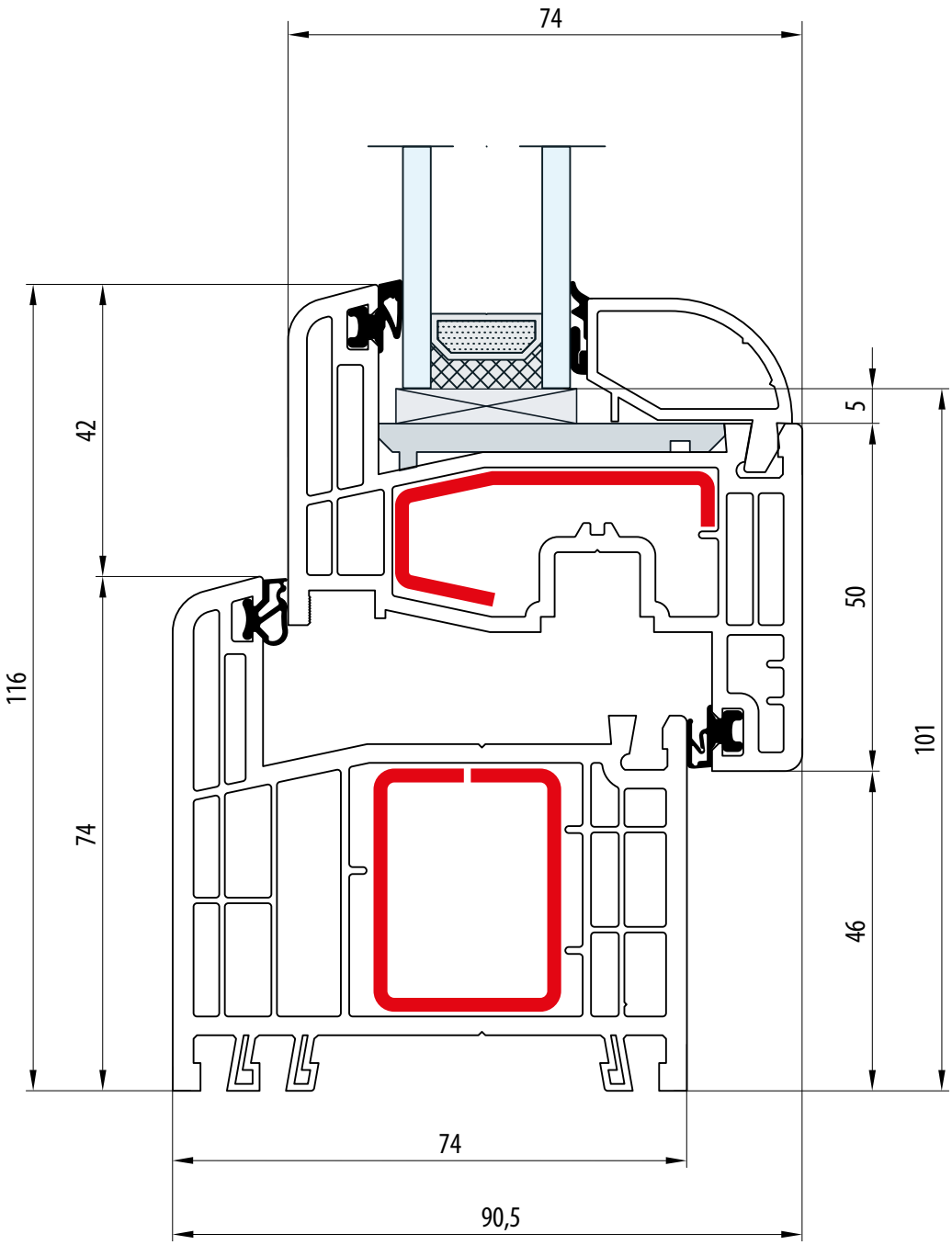

- Rama: 74 mm · Skrzydło: 126 mm
- Dormant: 74 mm · Vantail: 126 mm
- Frame: 74 mm · Sash: 126 mm
- Rahmen: 74 mm · Flügel: 126 mm
- Telaio: 74 mm · Anta: 126 mm
- Kozijn: 74 mm · Vleugel: 126 mm



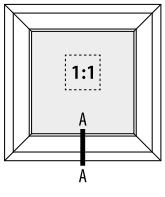


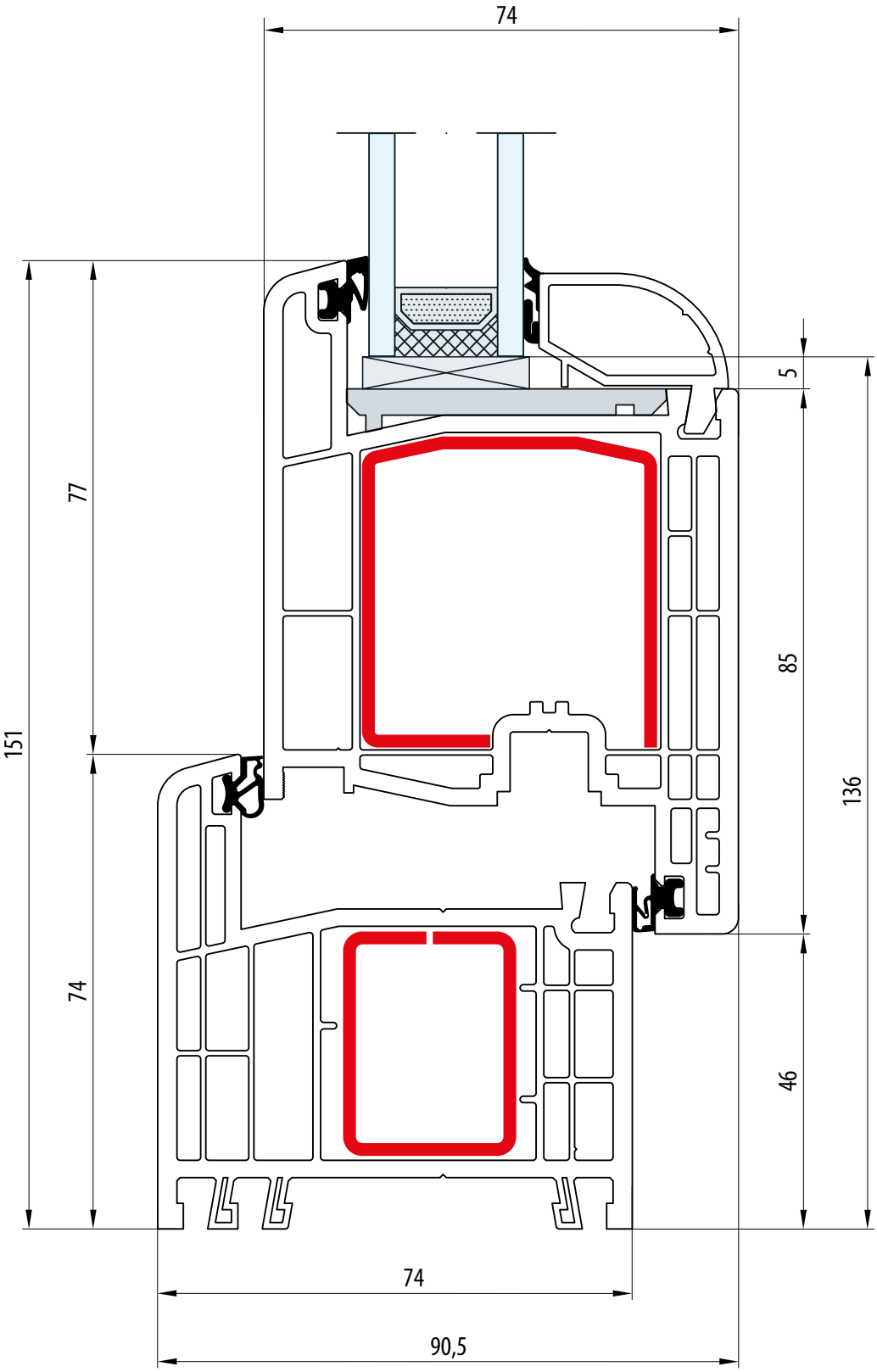

Rama: 74 mm · Skrzydło: 105 mm
Dormant: 74 mm · Vantail: 105 mm
Frame: 74 mm · Sash: 105 mm
Rahmen: 74 mm · Flügel: 105 mm
Telaio: 74 mm · Anta: 105 mm
Kozijn: 74 mm · Vleugel: 105 mm



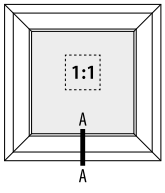


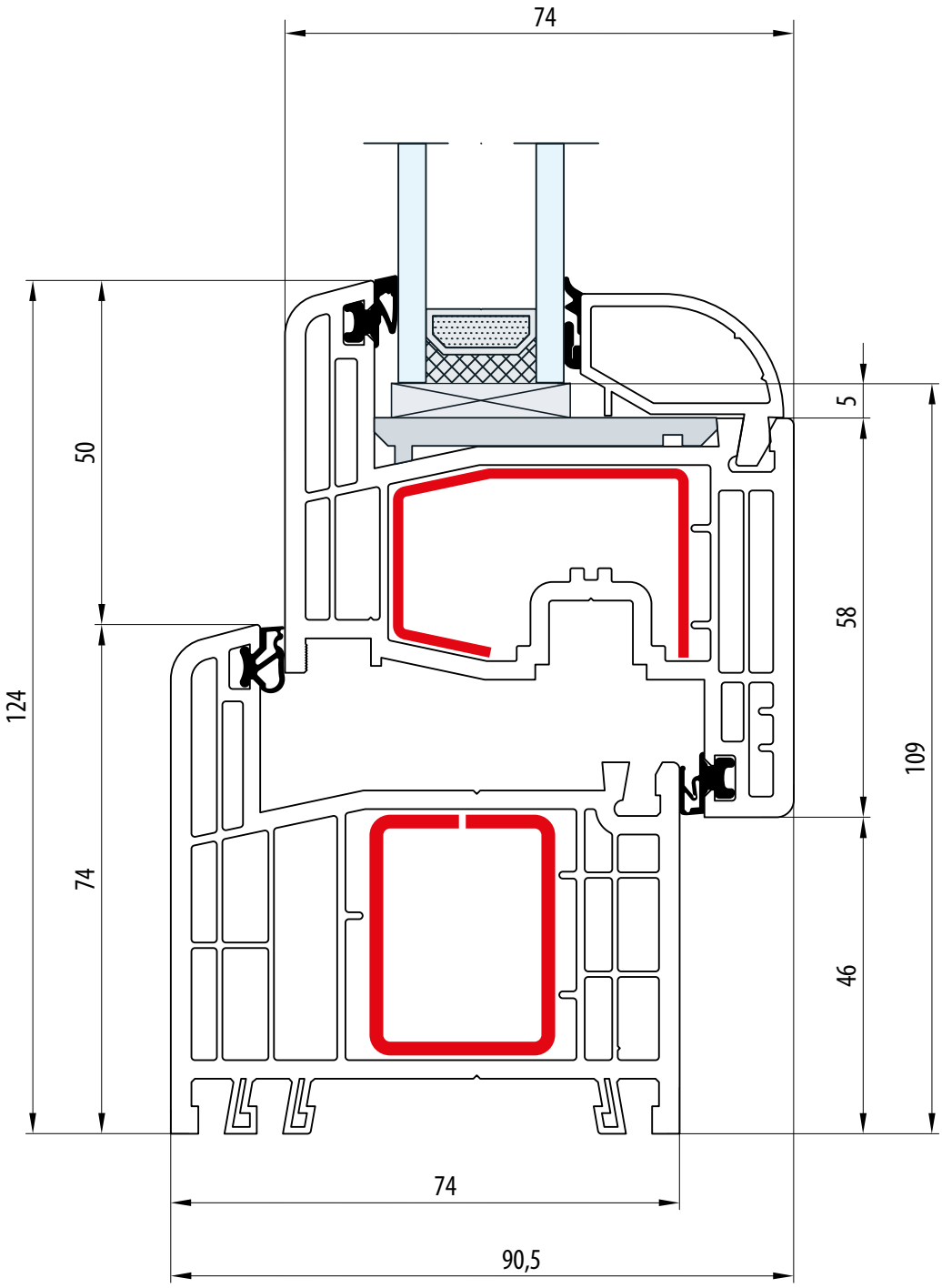

- Rama: 74 mm · Skrzydło: 70 mm
- Dormant: 74 mm · Vantail: 70 mm
- Frame: 74 mm · Sash: 70 mm
- Rahmen: 74 mm · Flügel: 70 mm
- Telaio: 74 mm · Anta: 70 mm
- Kozijn: 74 mm · Vleugel: 70 mm



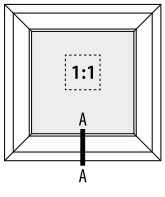


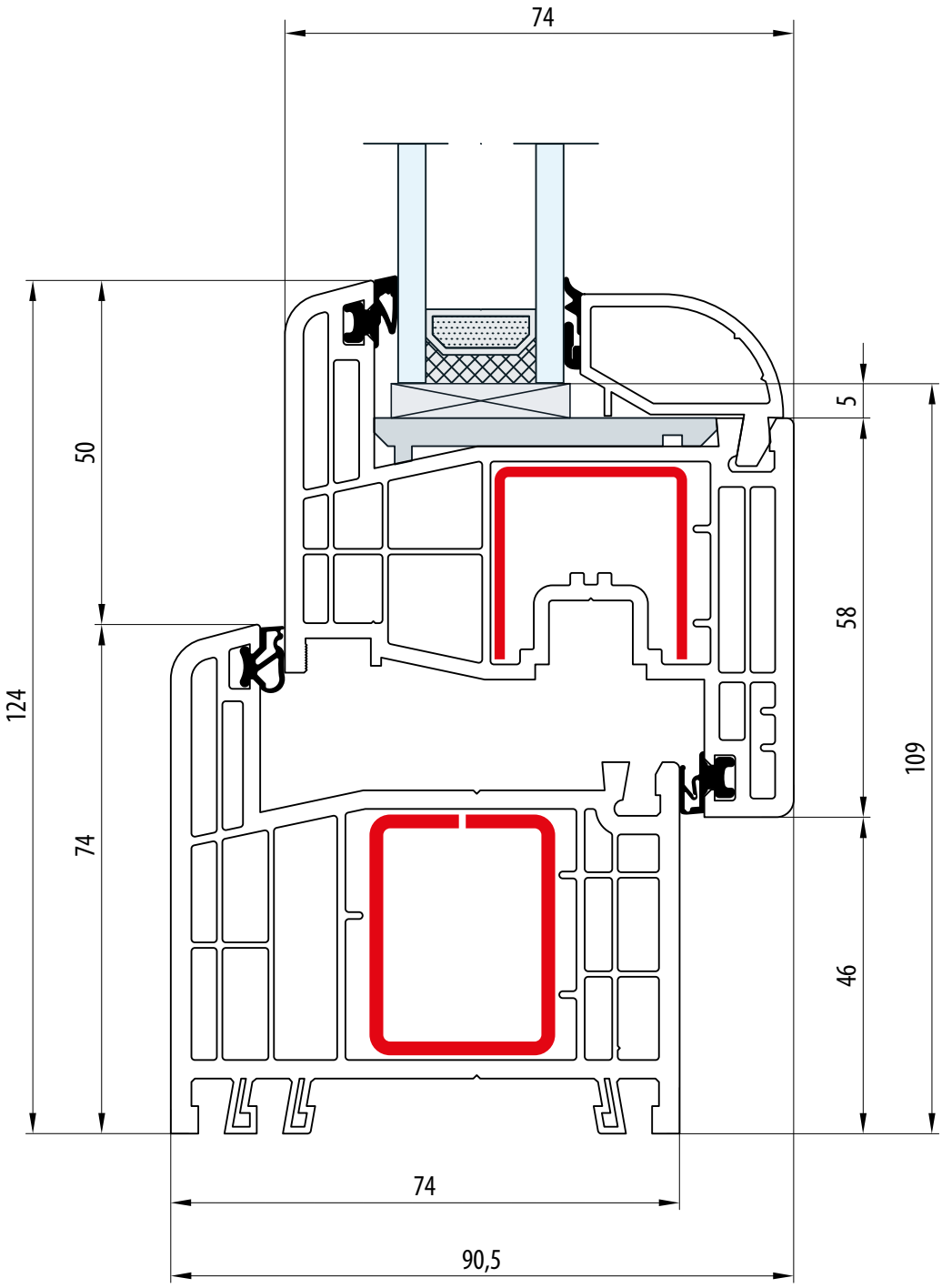

Rama: 74 mm · Skrzydło: 105 mm
Dormant: 74 mm · Vantail: 105 mm
Frame: 74 mm · Sash: 105 mm
Rahmen: 74 mm · Flügel: 105 mm
Telaio: 74 mm · Anta: 105 mm
Kozijn: 74 mm · Vleugel: 105 mm



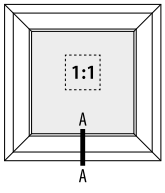


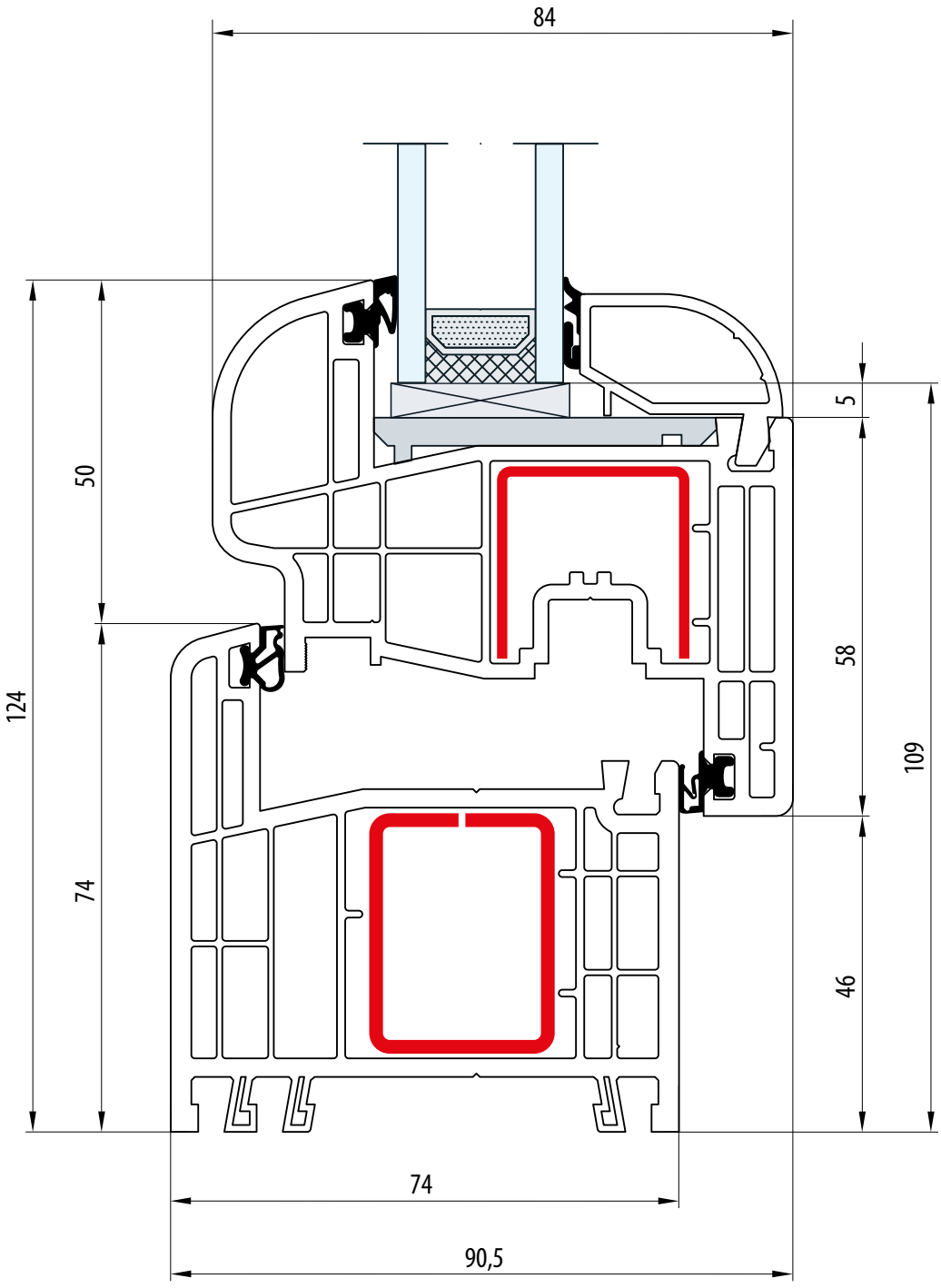

- Rama: 74 mm · Skrzydło: 78 mm
- Dormant: 74 mm · Vantail: 78 mm
- Frame: 74 mm · Sash: 78 mm
- Rahmen: 74 mm · Flügel: 78 mm
- Telaio: 74 mm · Anta: 78 mm
- Kozijn: 74 mm · Vleugel: 78 mm



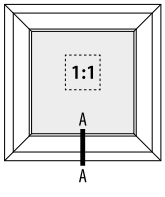


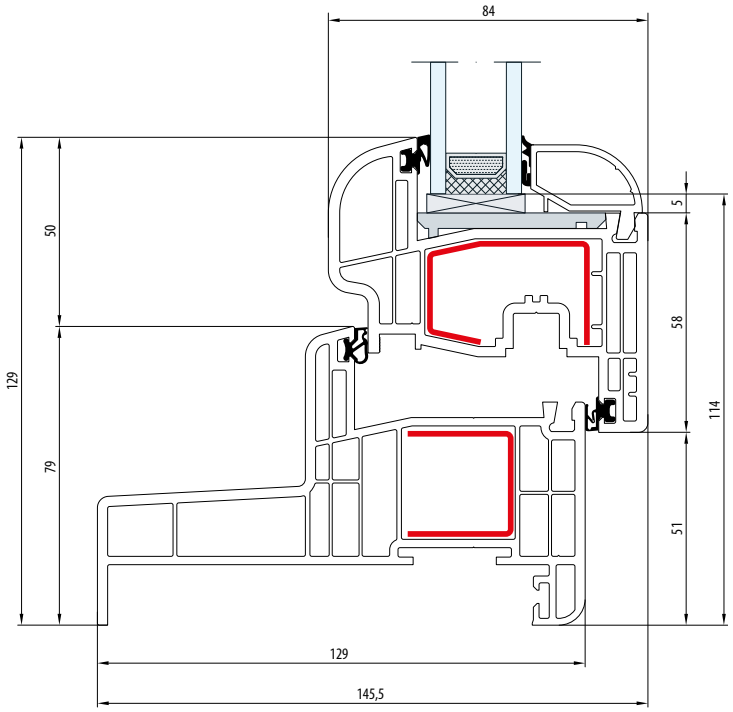

Rama: 74 mm · Skrzydło: 78 mm
Dormant: 74 mm · Vantail: 78 mm
Frame: 74 mm · Sash: 78 mm
Rahmen: 74 mm · Flügel: 78 mm
Telaio: 74 mm · Anta: 78 mm
Kozijn: 74 mm · Vleugel: 78 mm



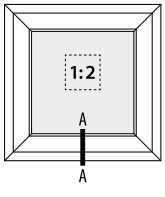


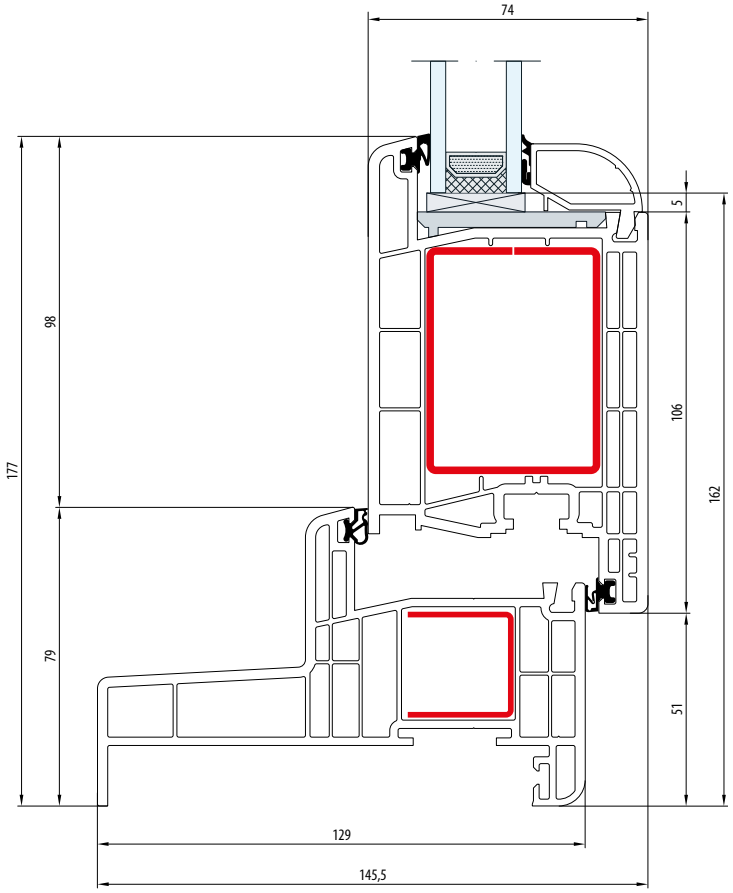

- Rama: 74 mm · Skrzydło: 78 mm
- Dormant: 74 mm · Vantail: 78 mm
- Frame: 74 mm · Sash: 78 mm
- Rahmen: 74 mm · Flügel: 78 mm
- Telaio: 74 mm · Anta: 78 mm
- Kozijn: 74 mm · Vleugel: 78 mm



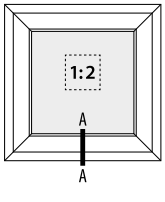


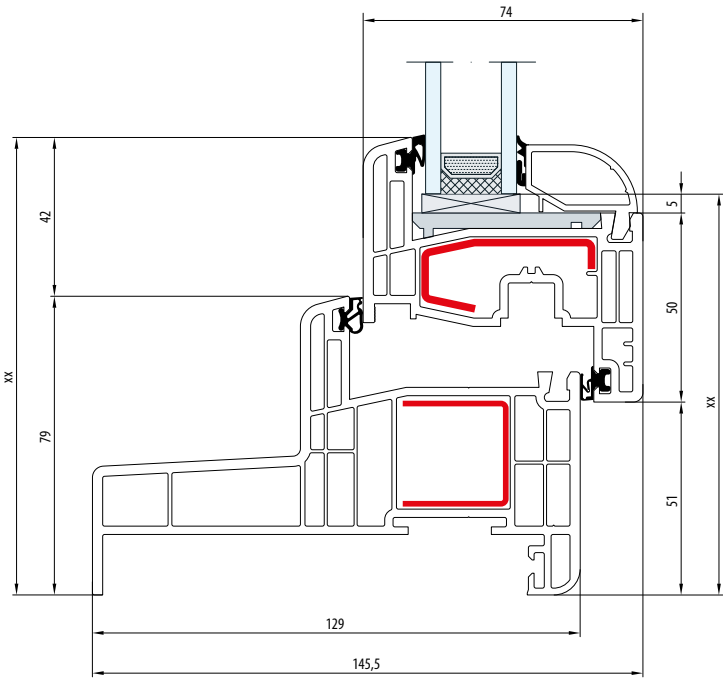

MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 129 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 78 mm



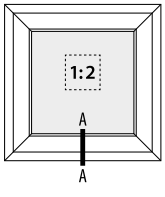


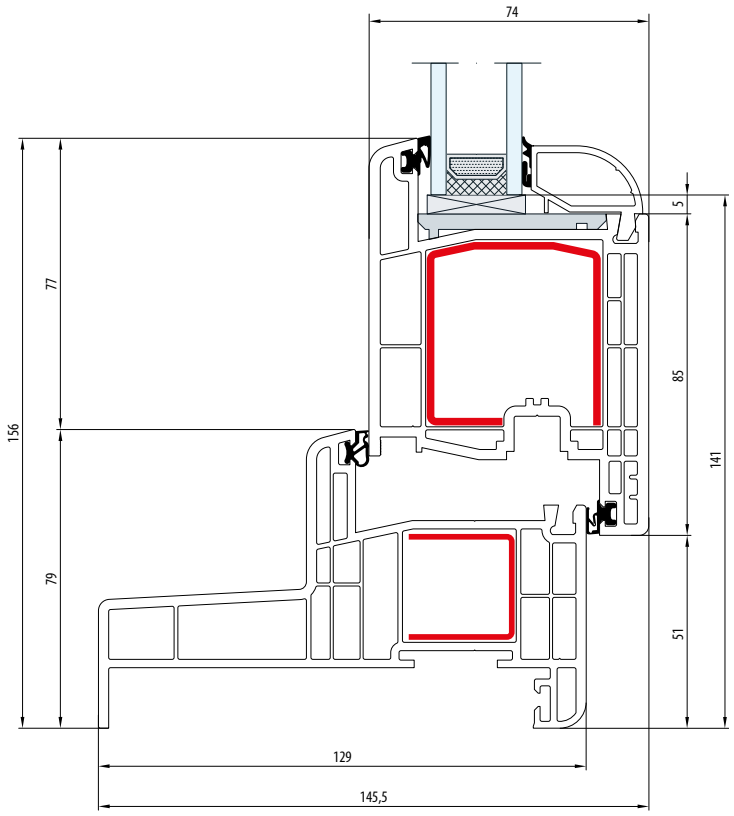

- MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 126 mm
- MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 126 mm
- MONOBLOK - 129 mm · Frame: 79 mm · Sash: 126 mm
- MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 126 mm
- MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 126 mm
- MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 126 mm



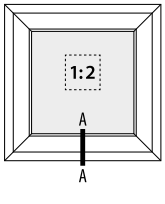


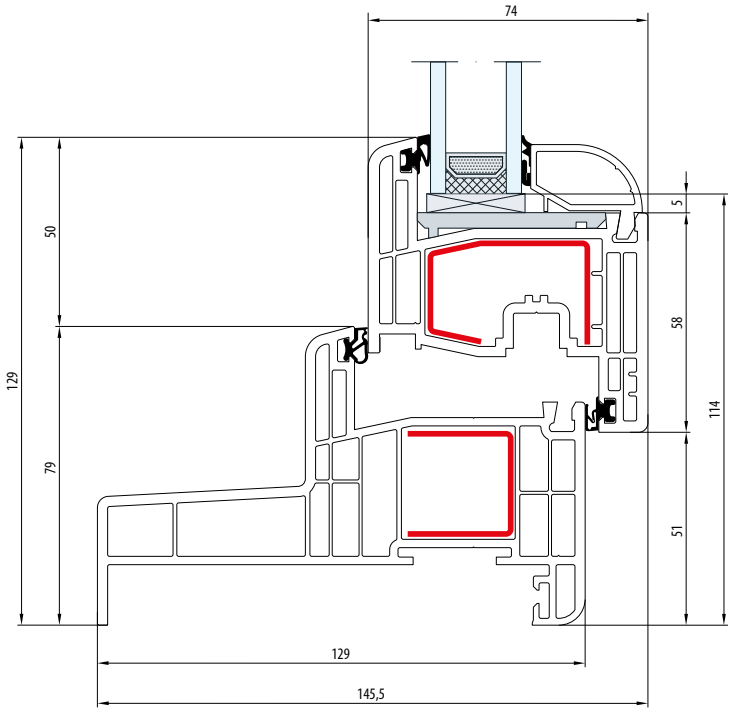

MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 70 mm
MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 70 mm
MONOBLOK - 129 mm · Frame: 79 mm · Sash: 70 mm
MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 70 mm
MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 70 mm
MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 70 mm



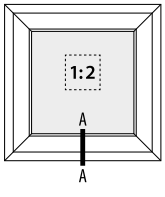


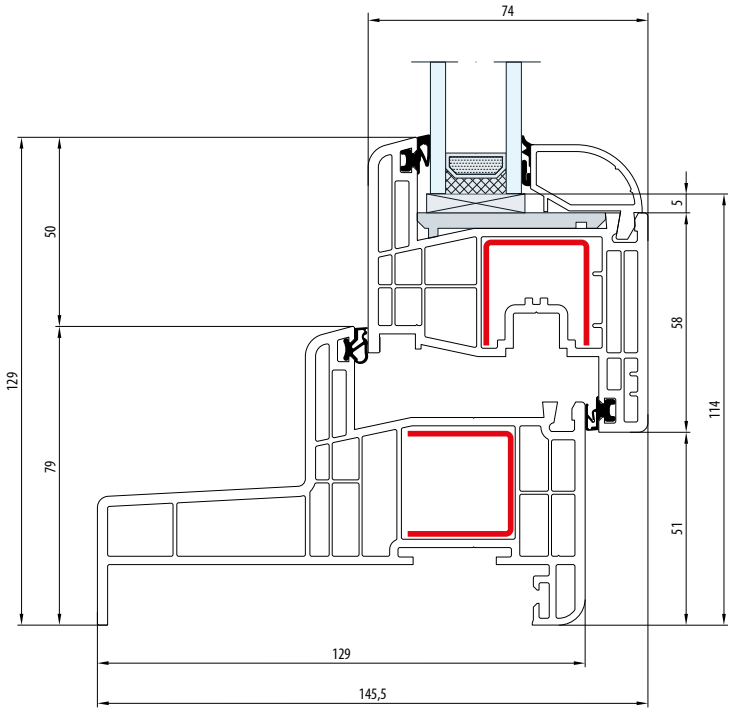

- MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 105 mm
- MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 105 mm
- MONOBLOK - 129 mm · Frame: 79 mm · Sash: 105 mm
- MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 105 mm
- MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 105 mm
- MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 105 mm



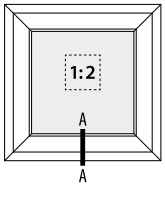


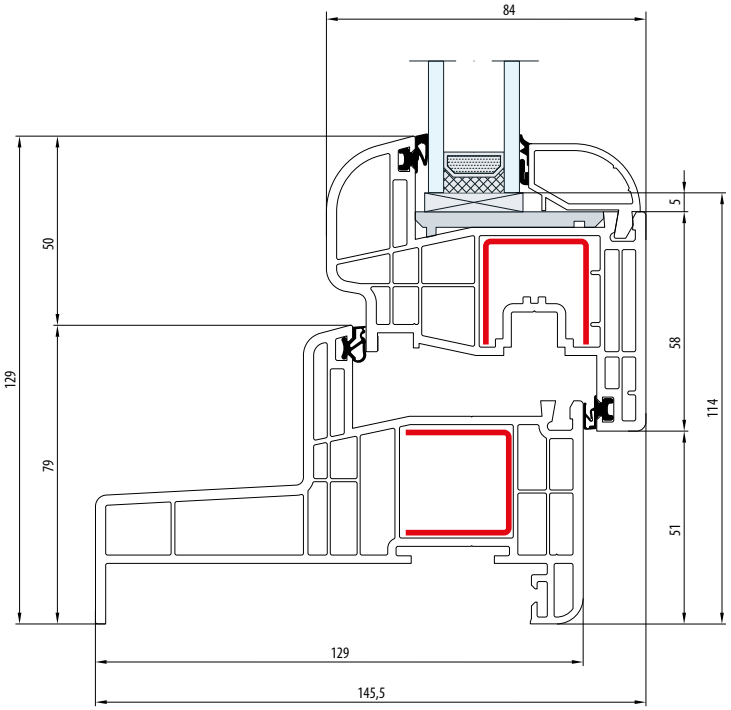

MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 129 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 78 mm



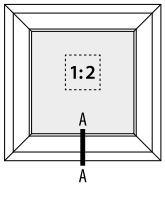


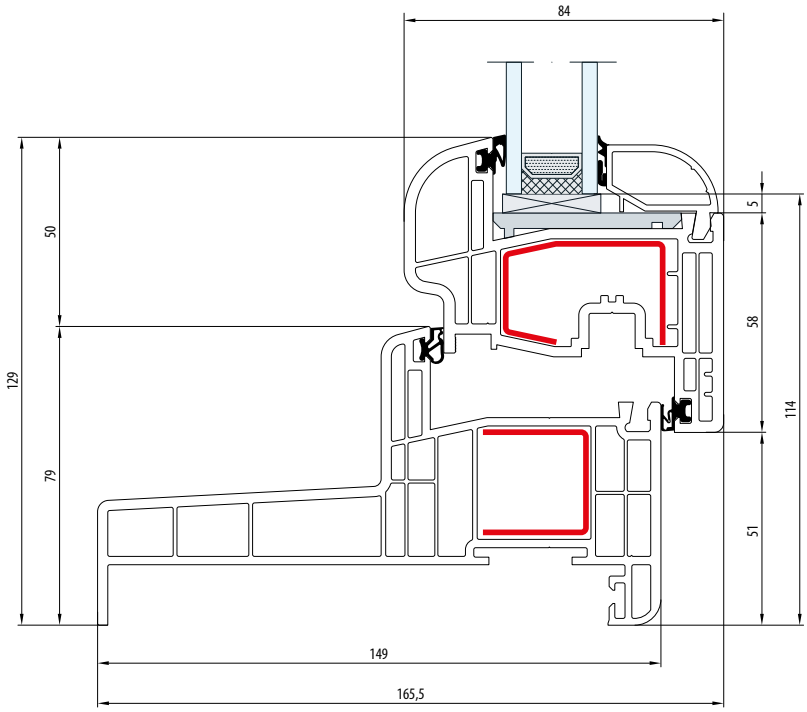

MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 129 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 78 mm



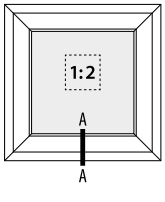


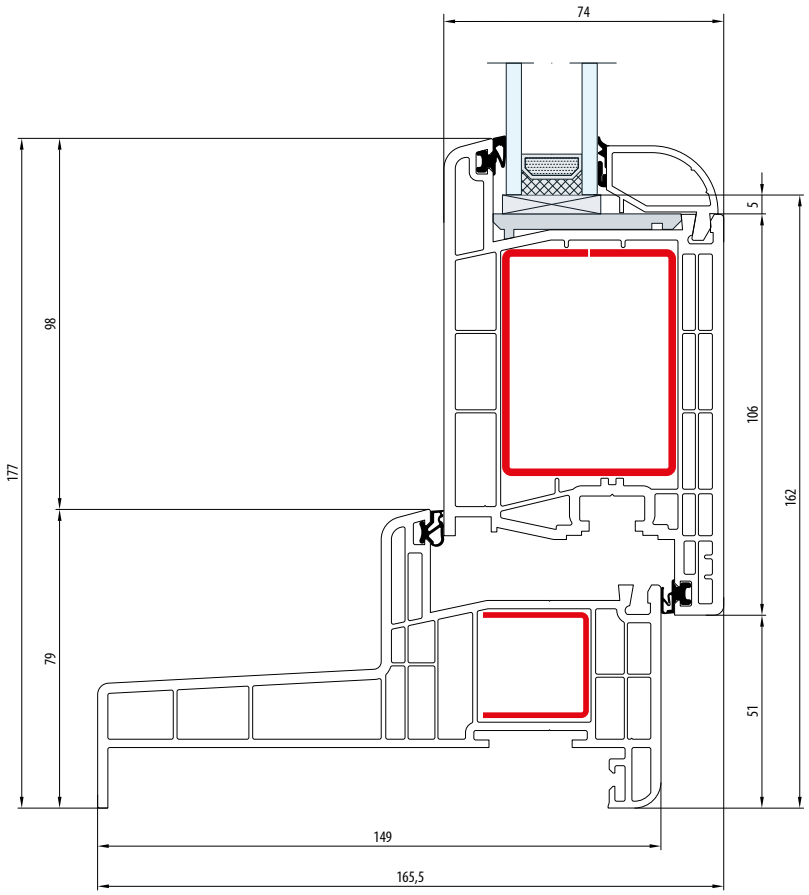

MONOBLOCK - 129 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 129 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 129 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 129 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 129 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 129 mm · Kader: 79 mm · Vleugel: 78 mm



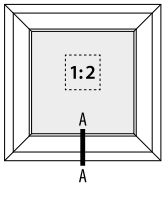


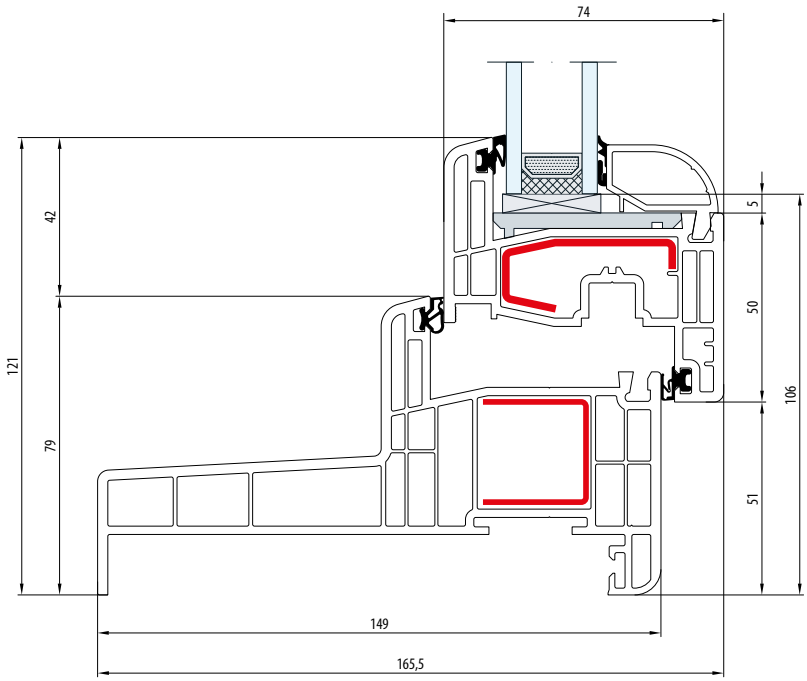

MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 149 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 78 mm



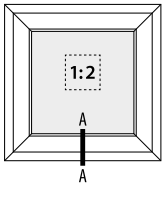


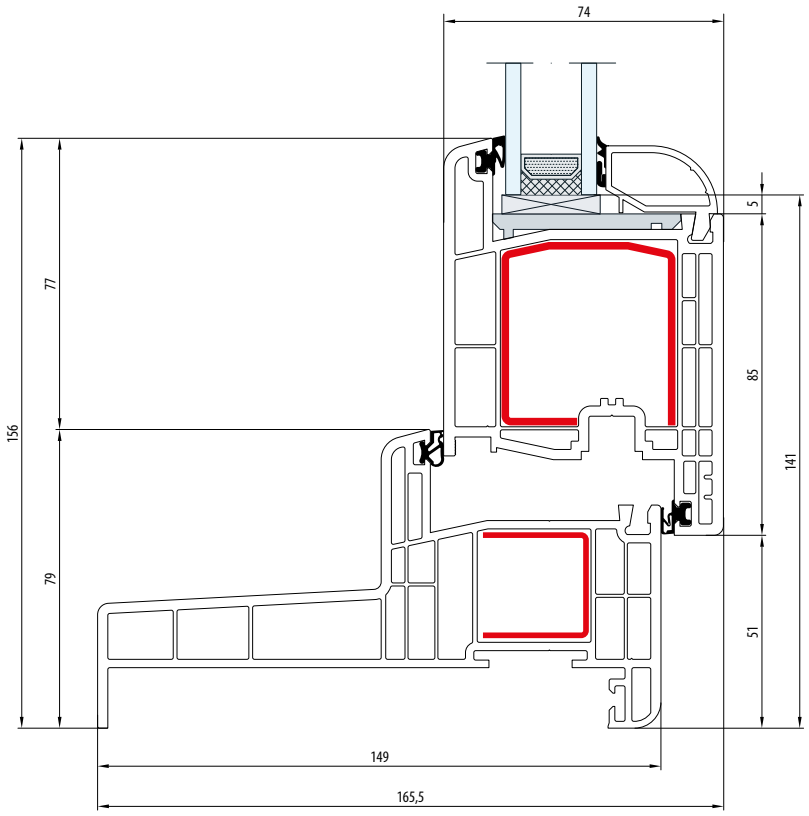

MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 126 mm
MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 126 mm
MONOBLOK - 149 mm · Frame: 79 mm · Sash: 126 mm
MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 126 mm
MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 126 mm
MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 126 mm



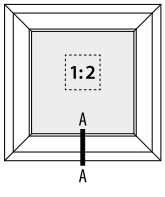


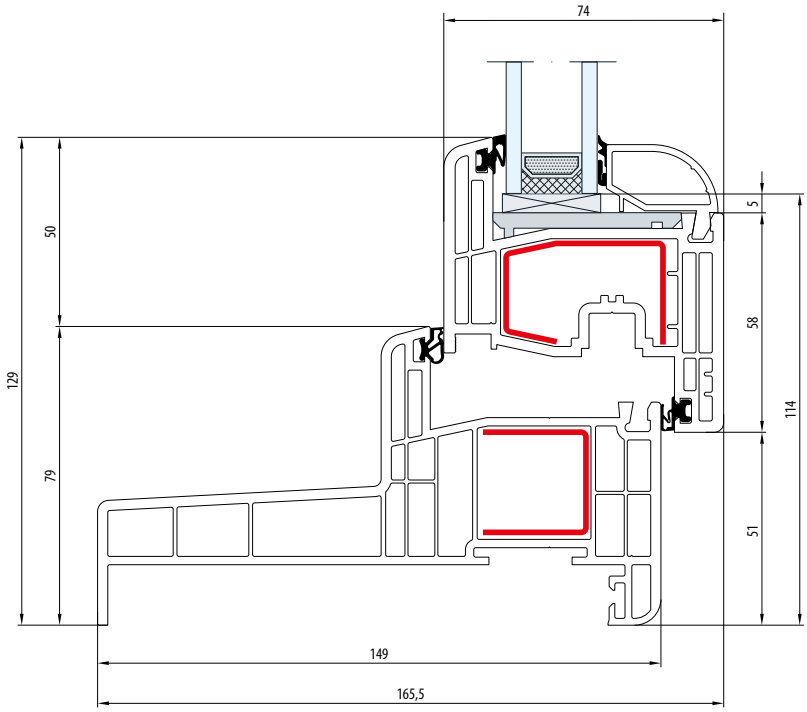

- MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 70 mm
- MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 70 mm
- MONOBLOK - 149 mm · Frame: 79 mm · Sash: 70 mm
- MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 70 mm
- MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 70 mm
- MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 70 mm



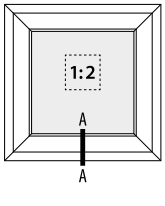


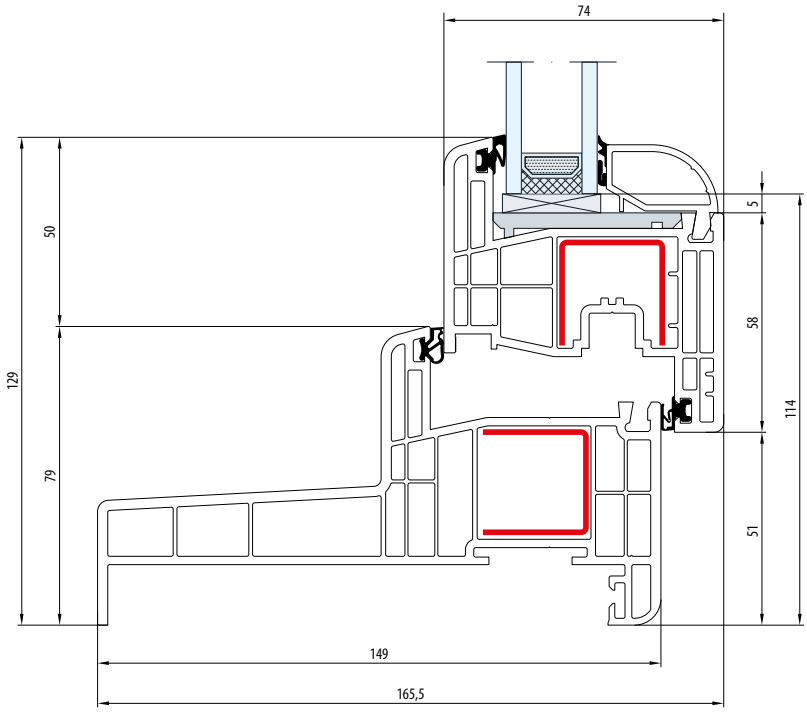

MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 105 mm
MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 105 mm
MONOBLOK - 149 mm · Frame: 79 mm · Sash: 105 mm
MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 105 mm
MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 105 mm
MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 105 mm



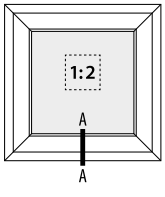


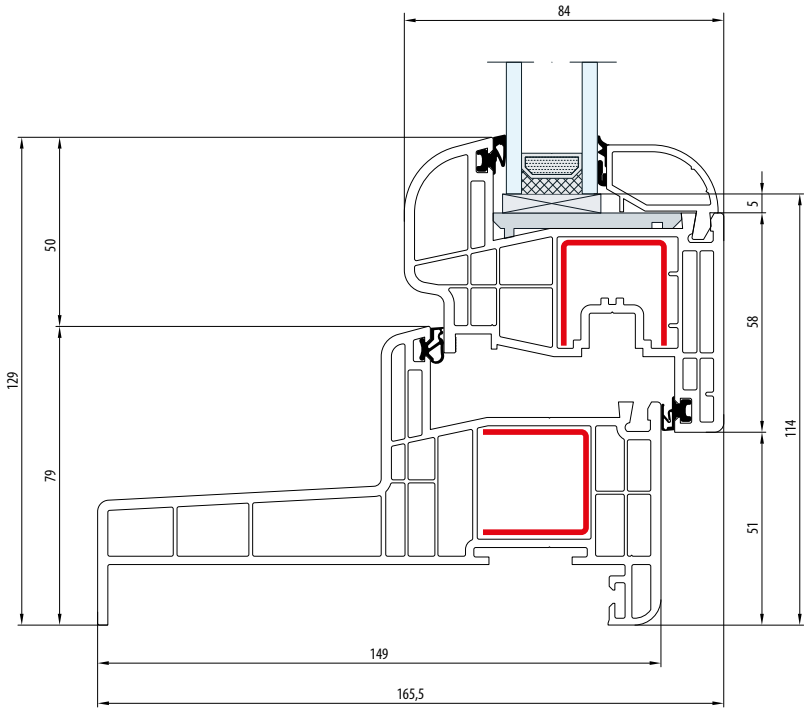

- MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 78 mm
- MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 78 mm
- MONOBLOK - 149 mm · Frame: 79 mm · Sash: 78 mm
- MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 78 mm
- MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 78 mm
- MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 78 mm



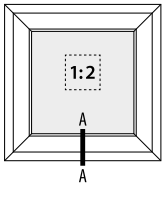


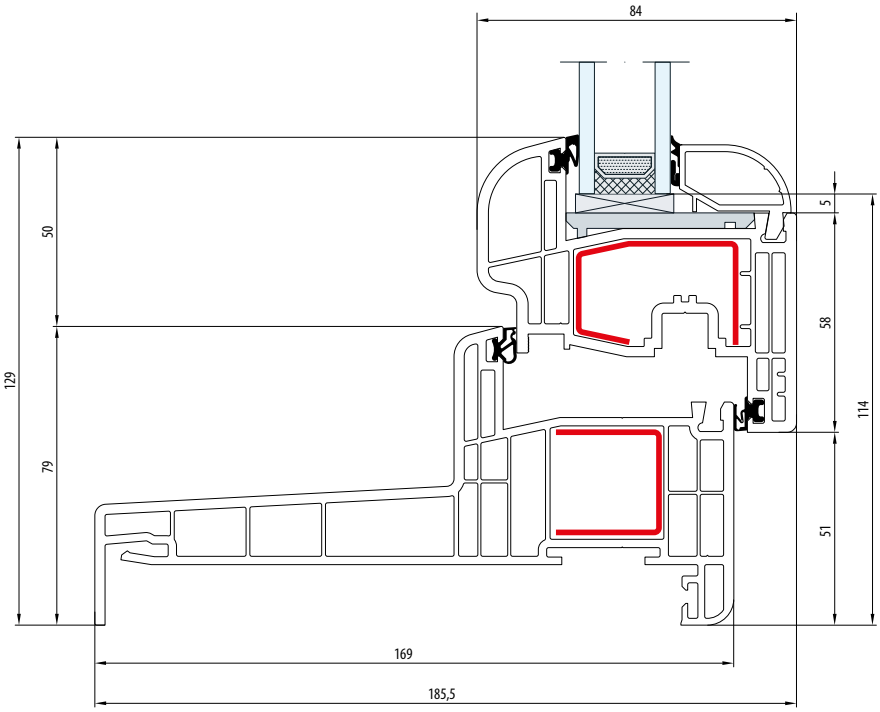

MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 149 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 78 mm



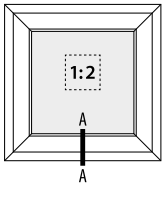


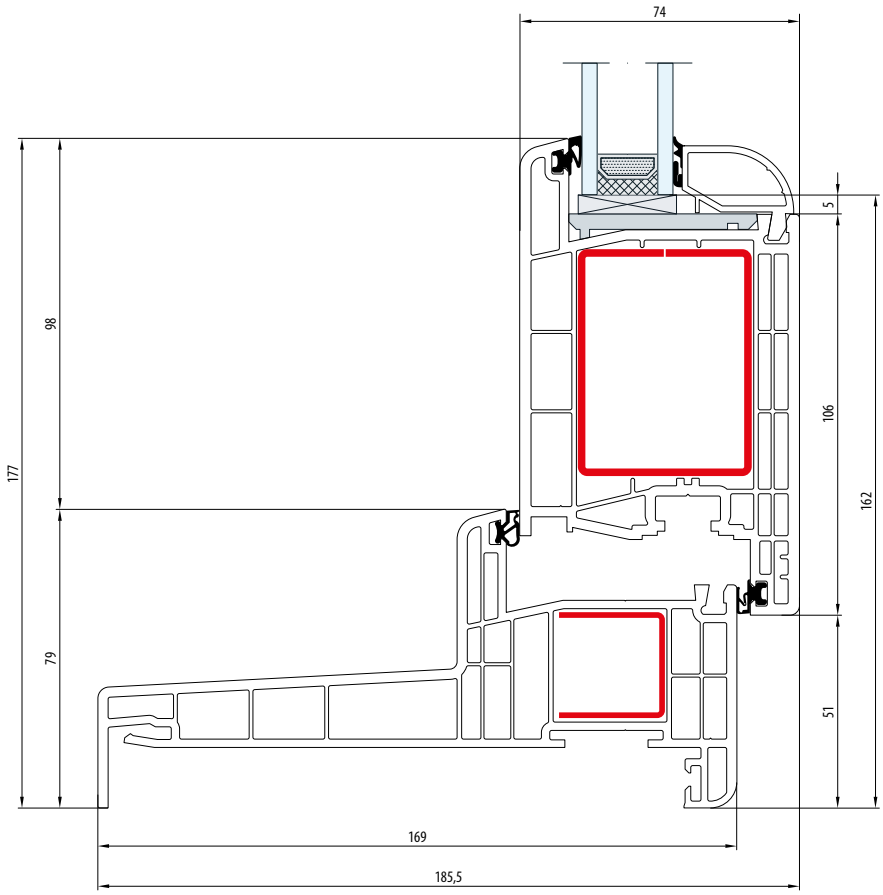

MONOBLOCK - 149 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 149 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 149 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 149 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 149 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 149 mm · Kader: 79 mm · Vleugel: 78 mm



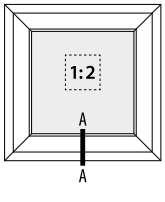


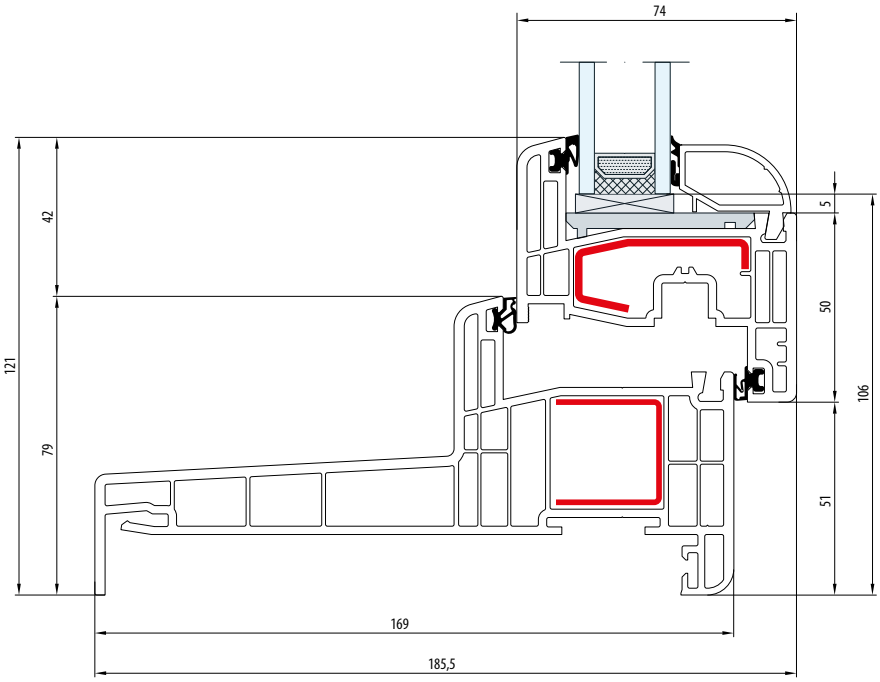

MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 169 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 78 mm



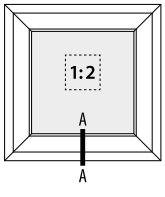


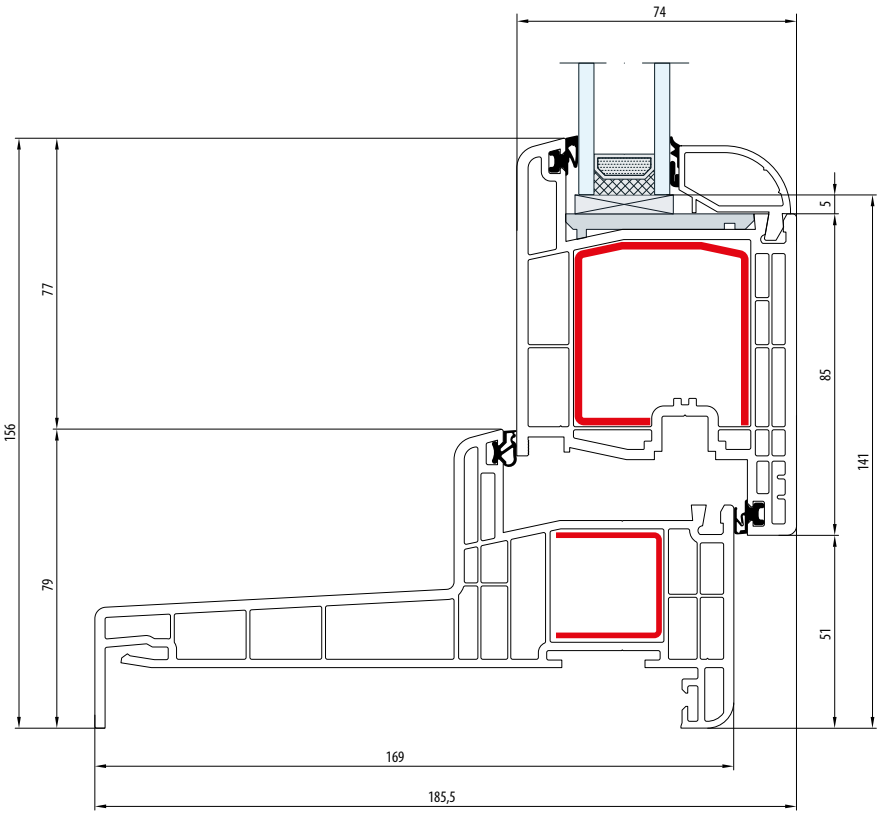

- MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 126 mm
- MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 126 mm
- MONOBLOK - 169 mm · Frame: 79 mm · Sash: 126 mm
- MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 126 mm
- MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 126 mm
- MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 126 mm



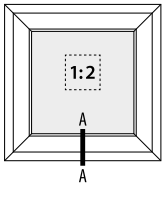


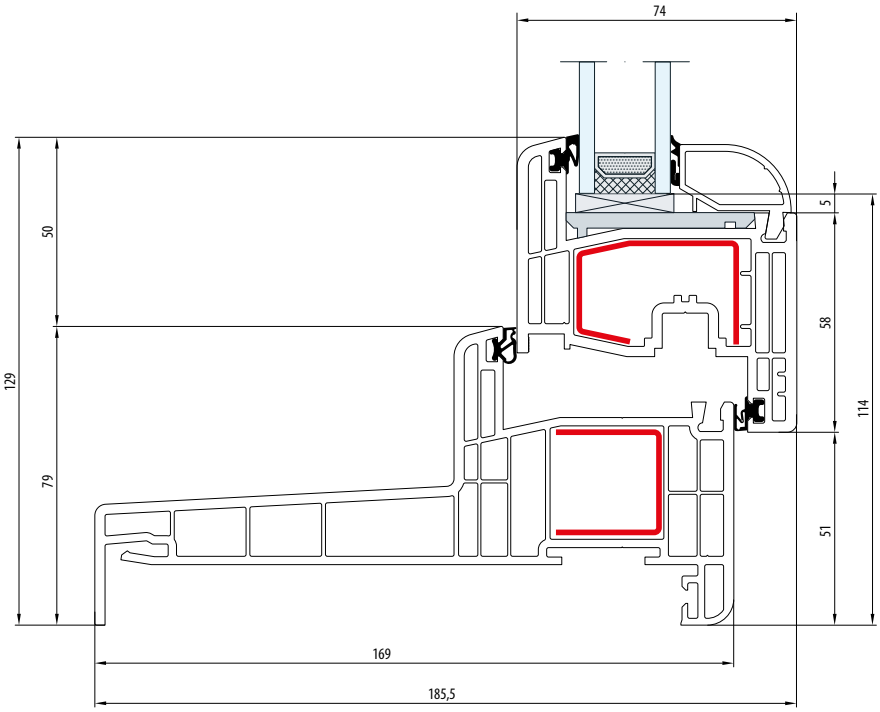

MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 70 mm
MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 70 mm
MONOBLOK - 169 mm · Frame: 79 mm · Sash: 70 mm
MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 70 mm
MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 70 mm
MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 70 mm



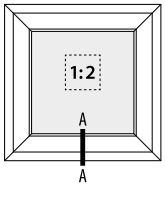


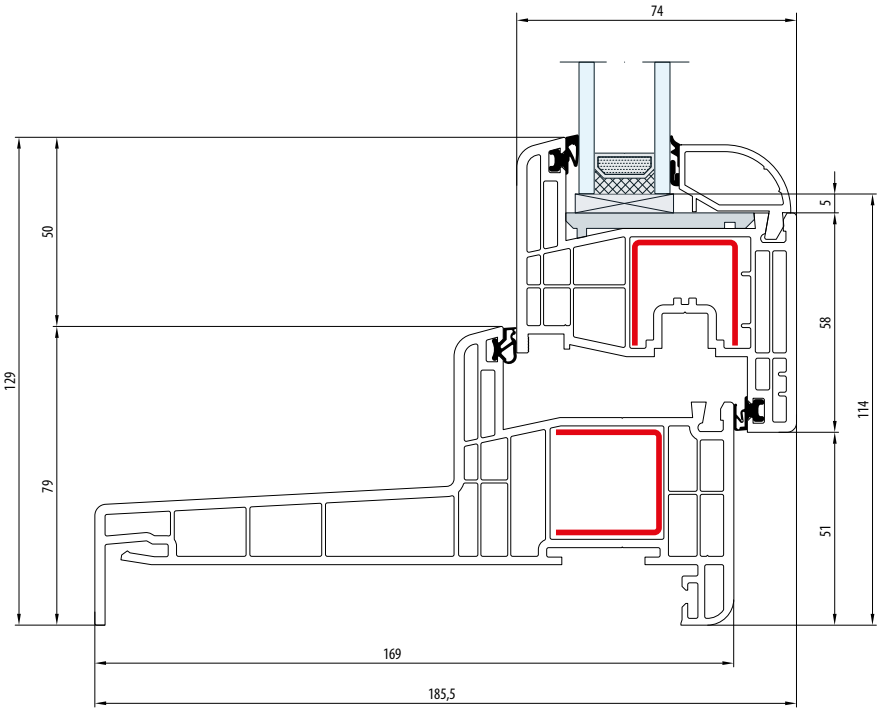

- MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 105 mm
- MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 105 mm
- MONOBLOK - 169 mm · Frame: 79 mm · Sash: 105 mm
- MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 105 mm
- MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 105 mm
- MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 105 mm



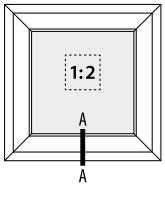


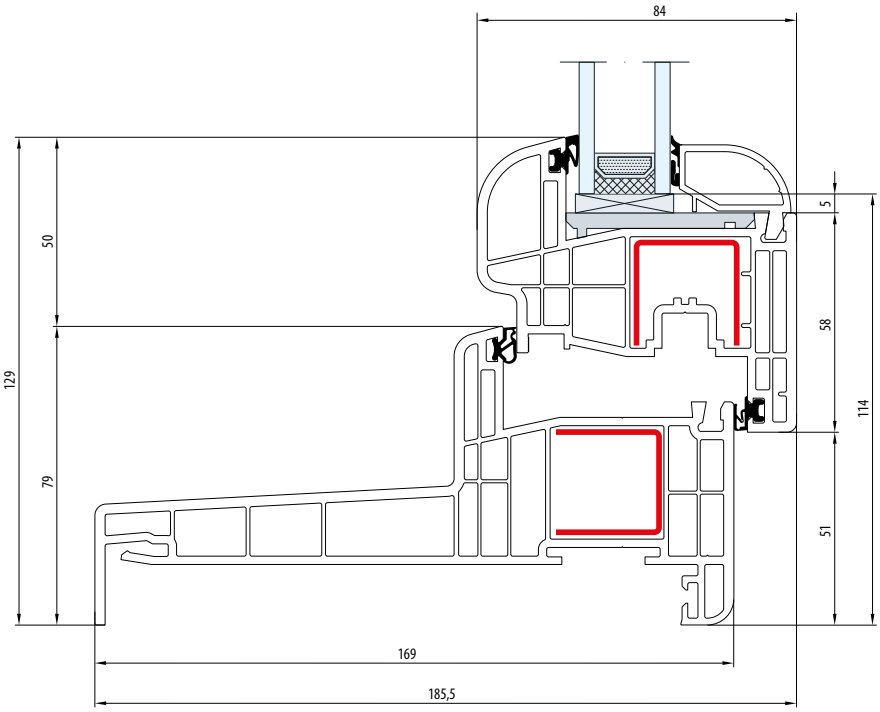

MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 169 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 78 mm



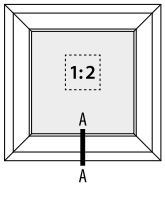


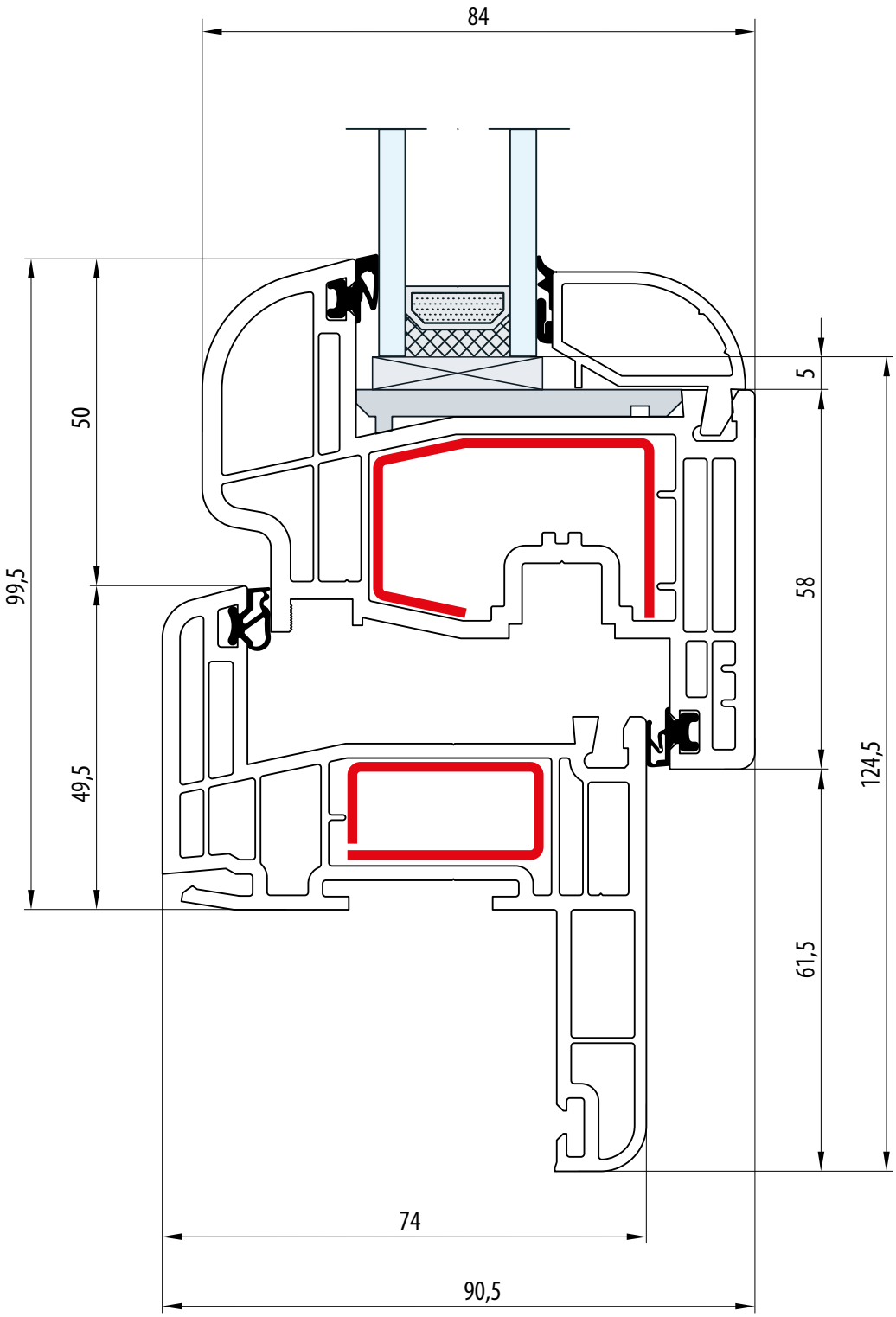

- MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 78 mm
- MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 78 mm
- MONOBLOK - 169 mm · Frame: 79 mm · Sash: 78 mm
- MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 78 mm
- MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 78 mm
- MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 78 mm



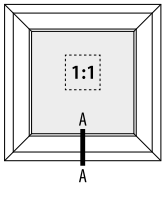


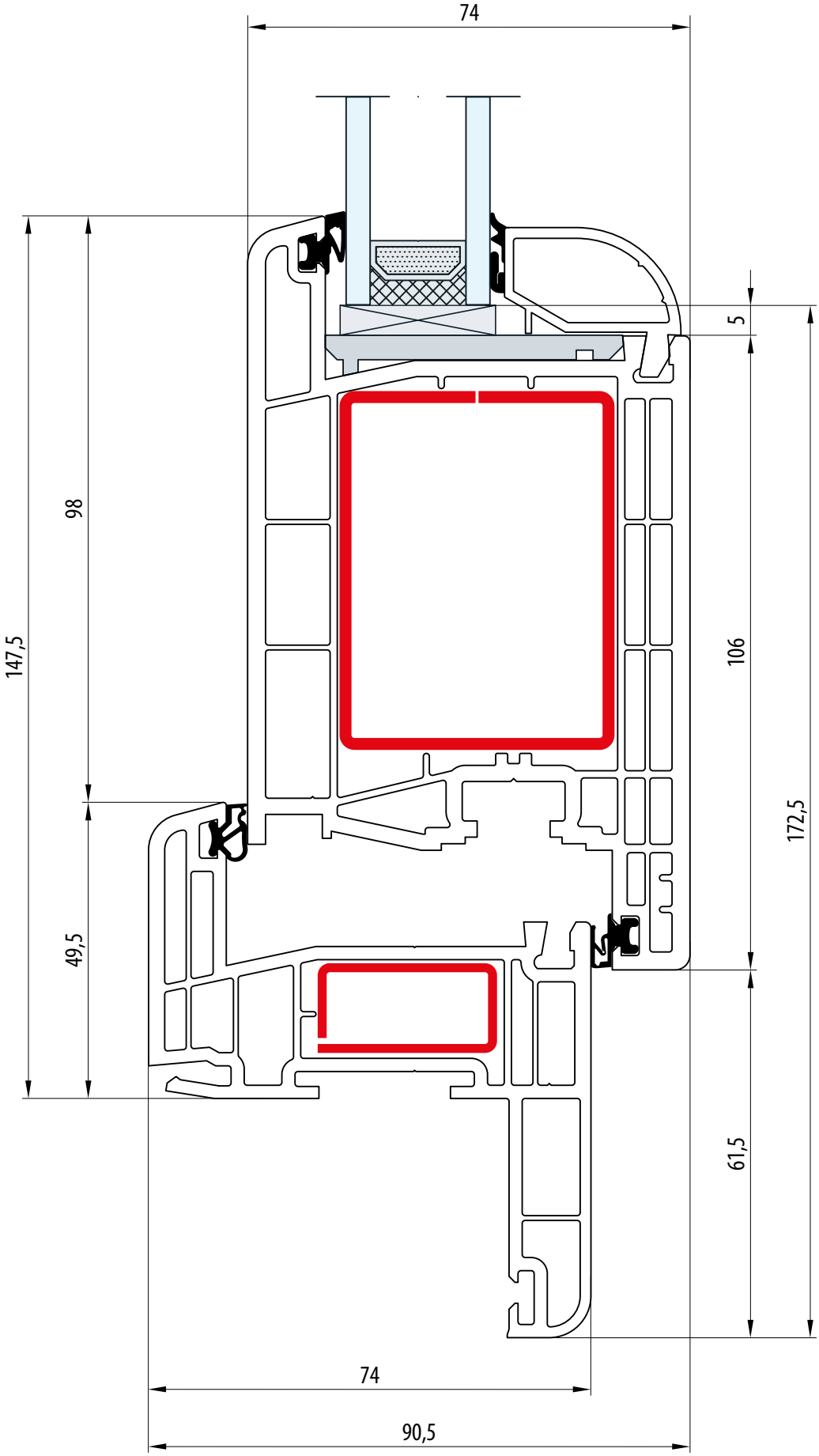

MONOBLOCK - 169 mm · Rama: 79 mm · Skrzydło: 78 mm
MONOBLOC - 169 mm · Dormant: 79 mm · Vantail: 78 mm
MONOBLOK - 169 mm · Frame: 79 mm · Sash: 78 mm
MONOBLOCK - 169 mm · Rahmen: 79 mm · Flügel: 78 mm
MONOBLOCK - 169 mm · Telaio: 79 mm · Anta: 78 mm
MONOBLOCK - 169 mm · Kader: 79 mm · Vleugel: 78 mm



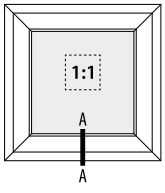


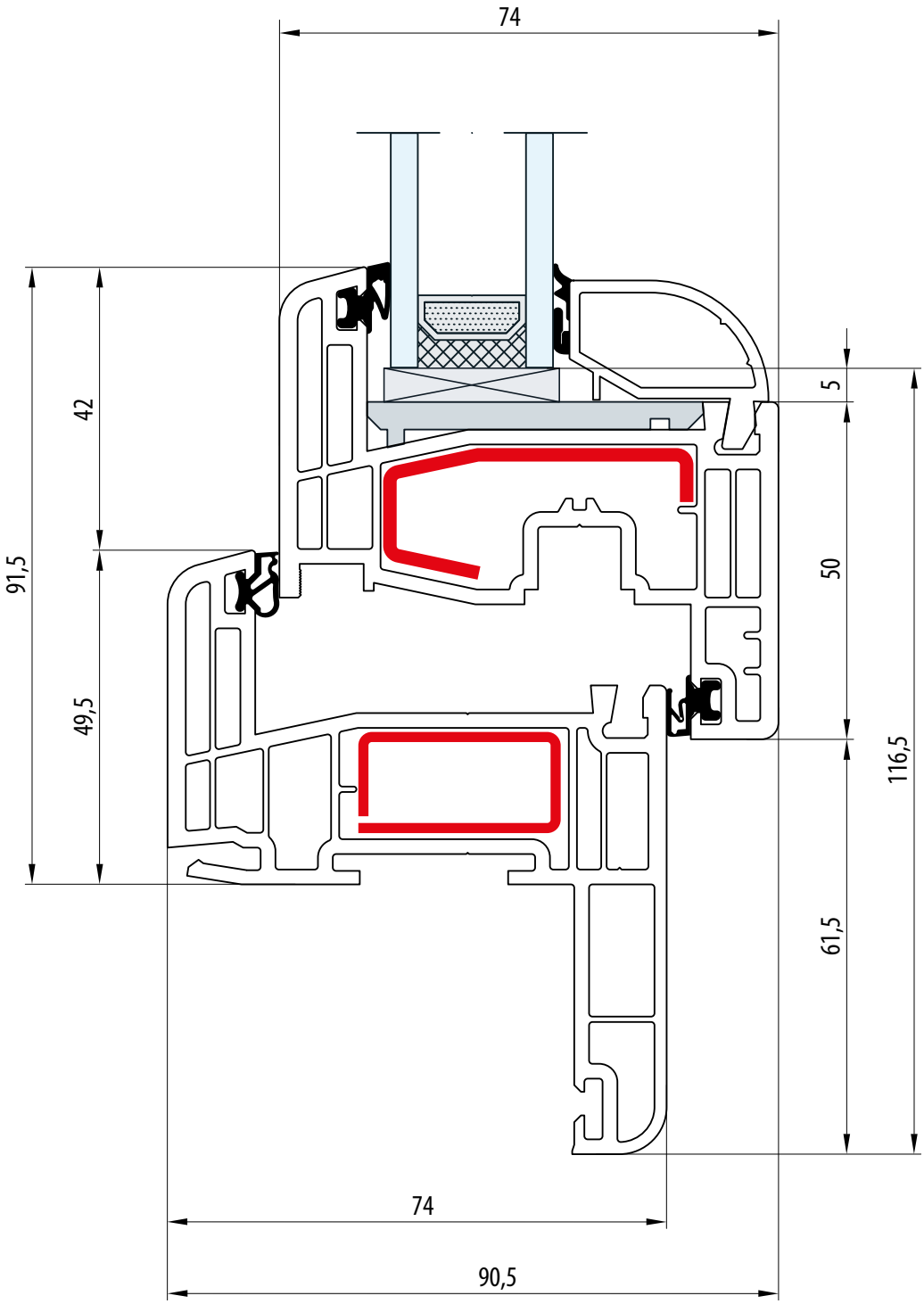

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



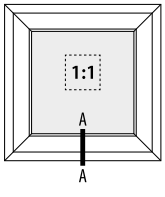


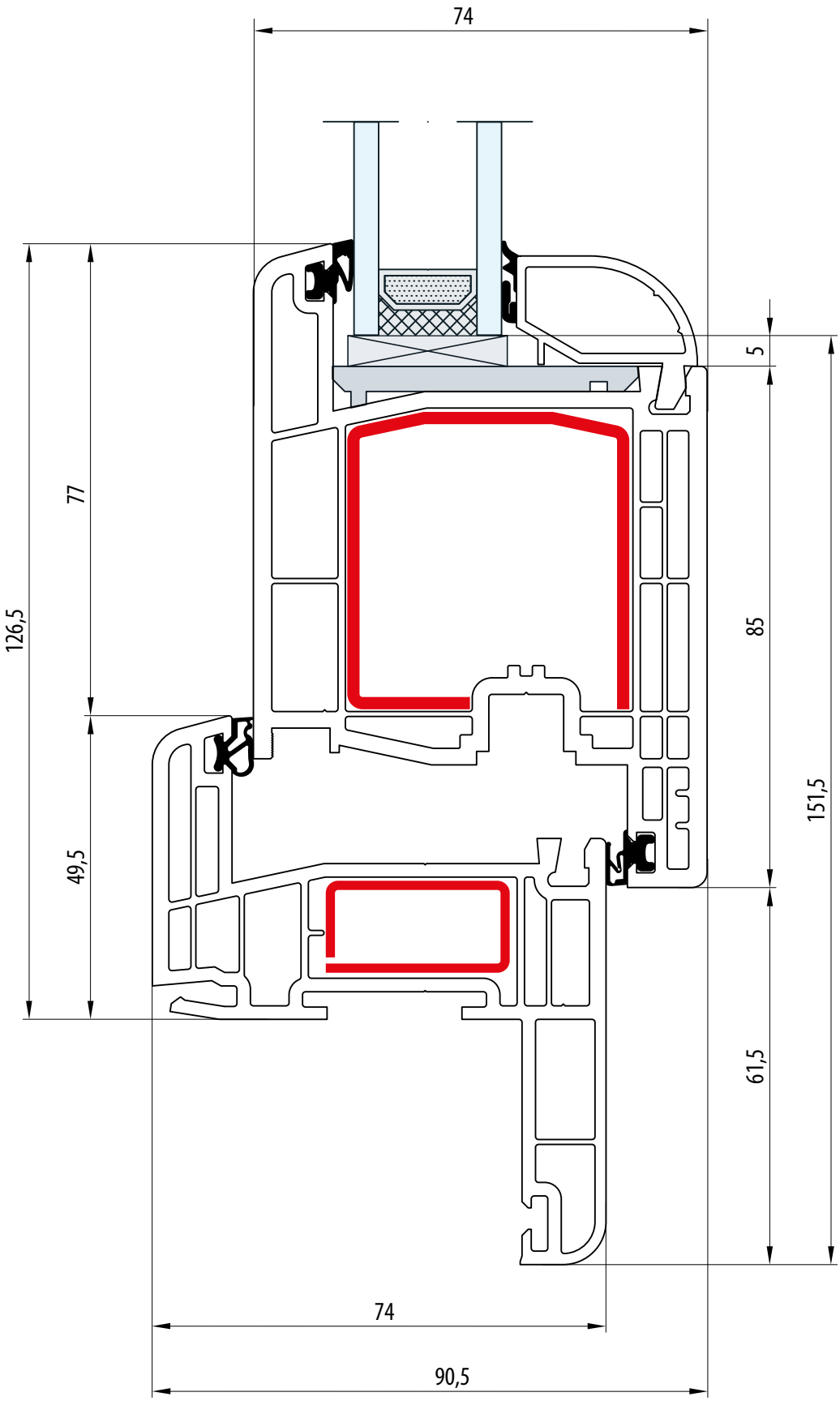

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 126 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 126 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 126 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 126 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 126 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 126 mm



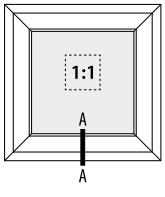


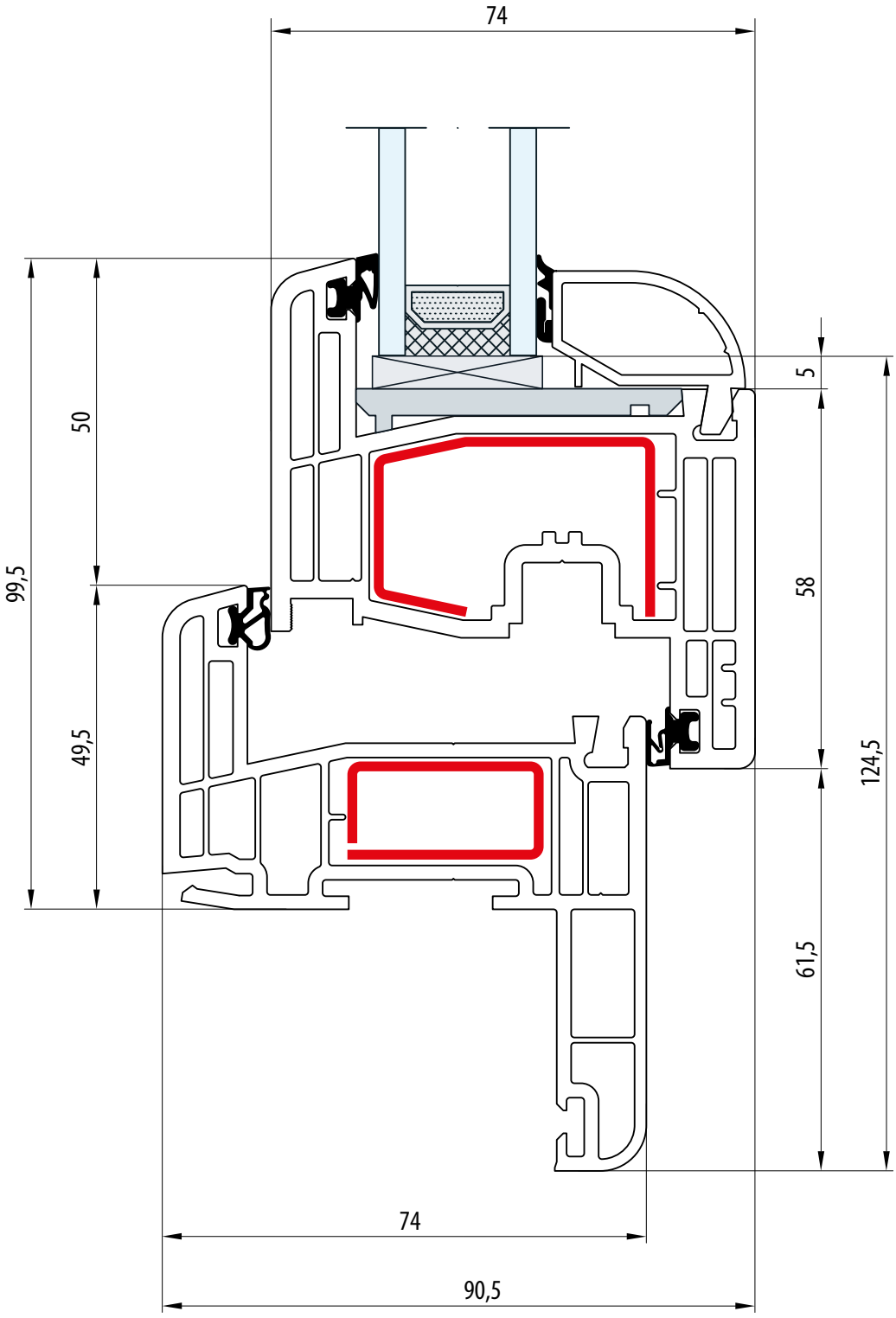

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 70 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 70 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 70 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 70 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 70 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 70 mm



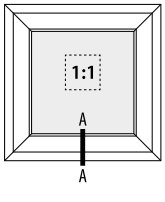


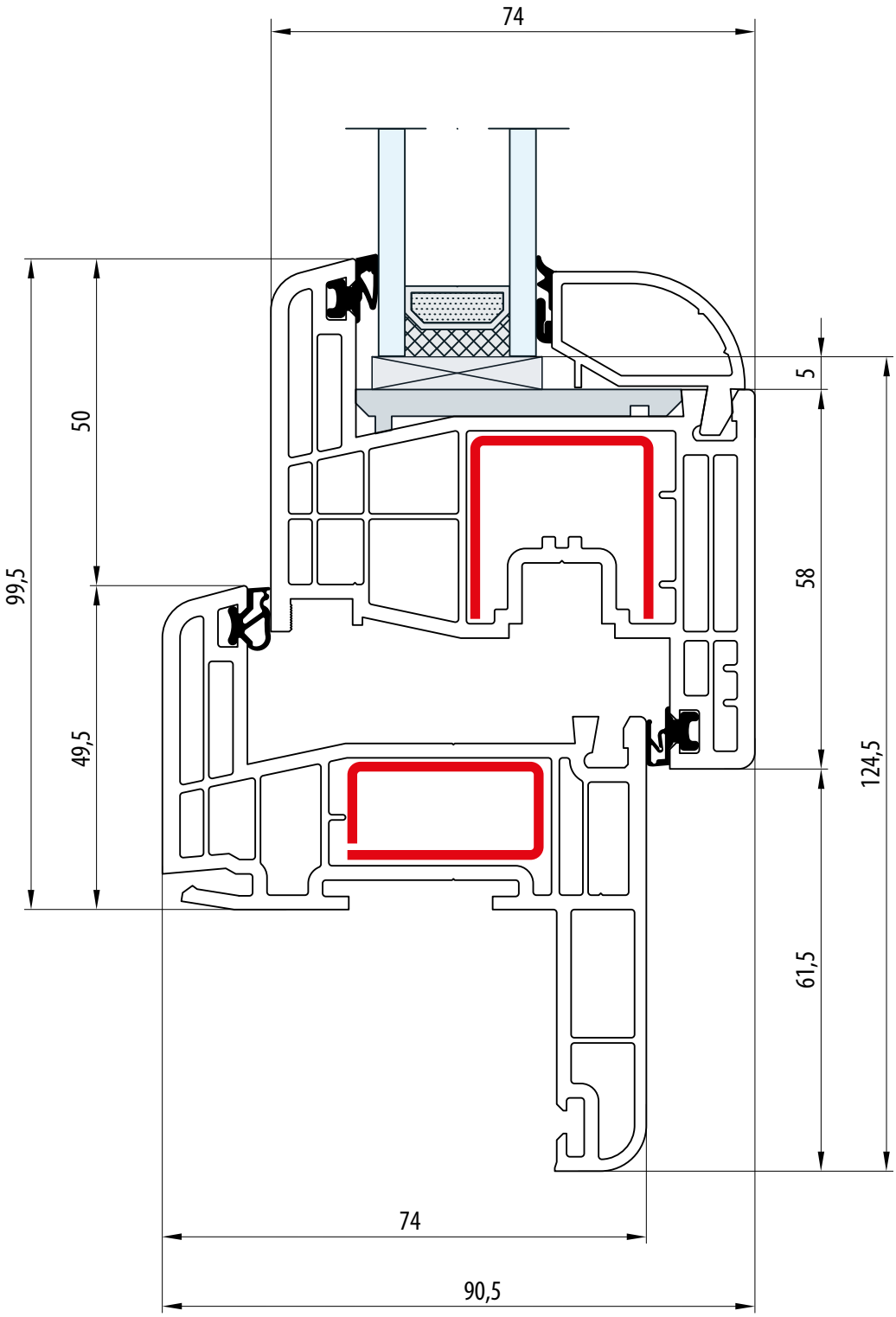

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 105 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 105 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 105 mm



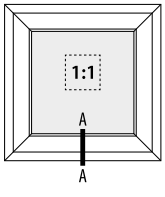


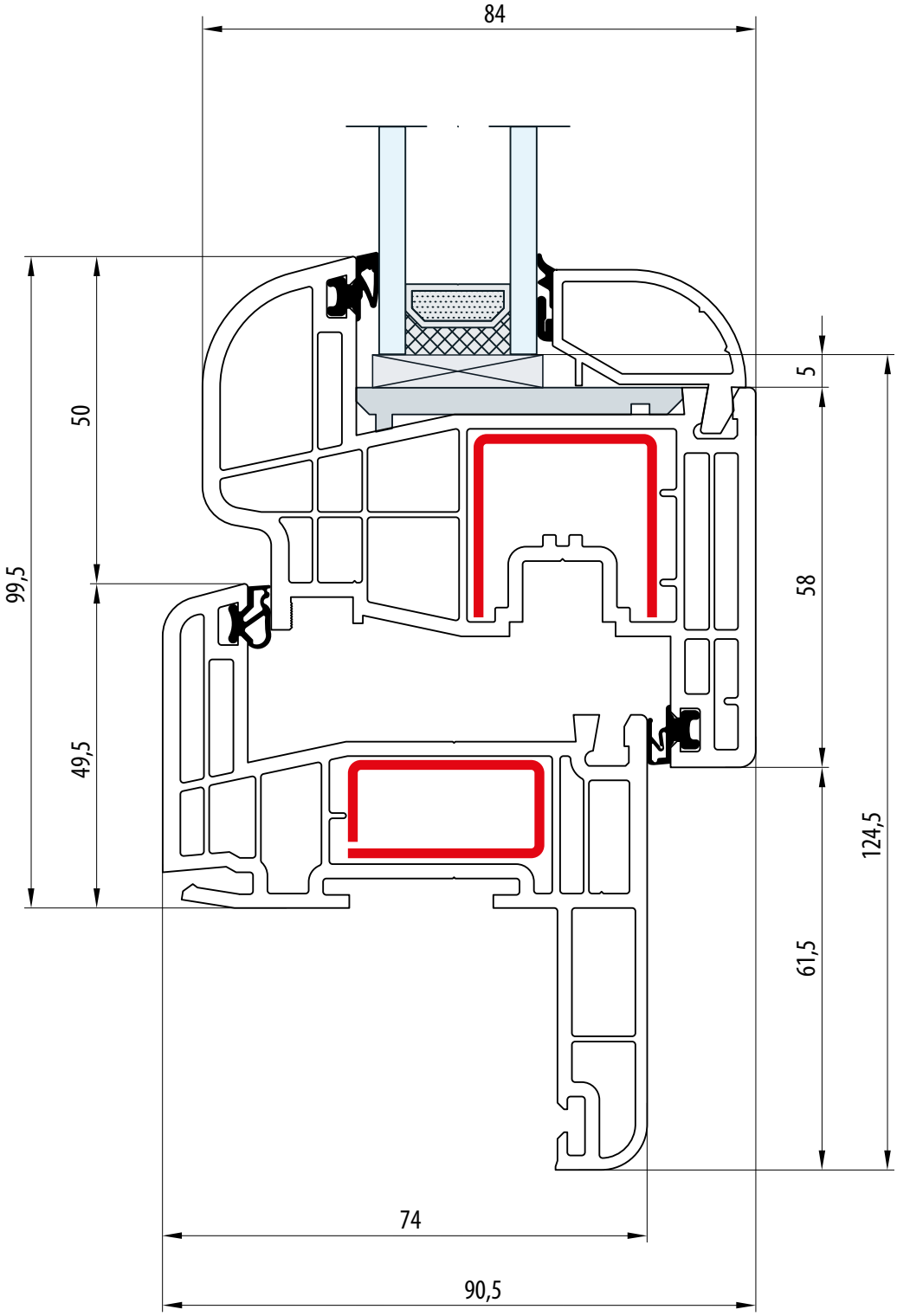

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



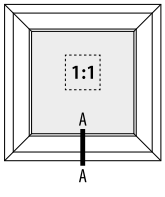


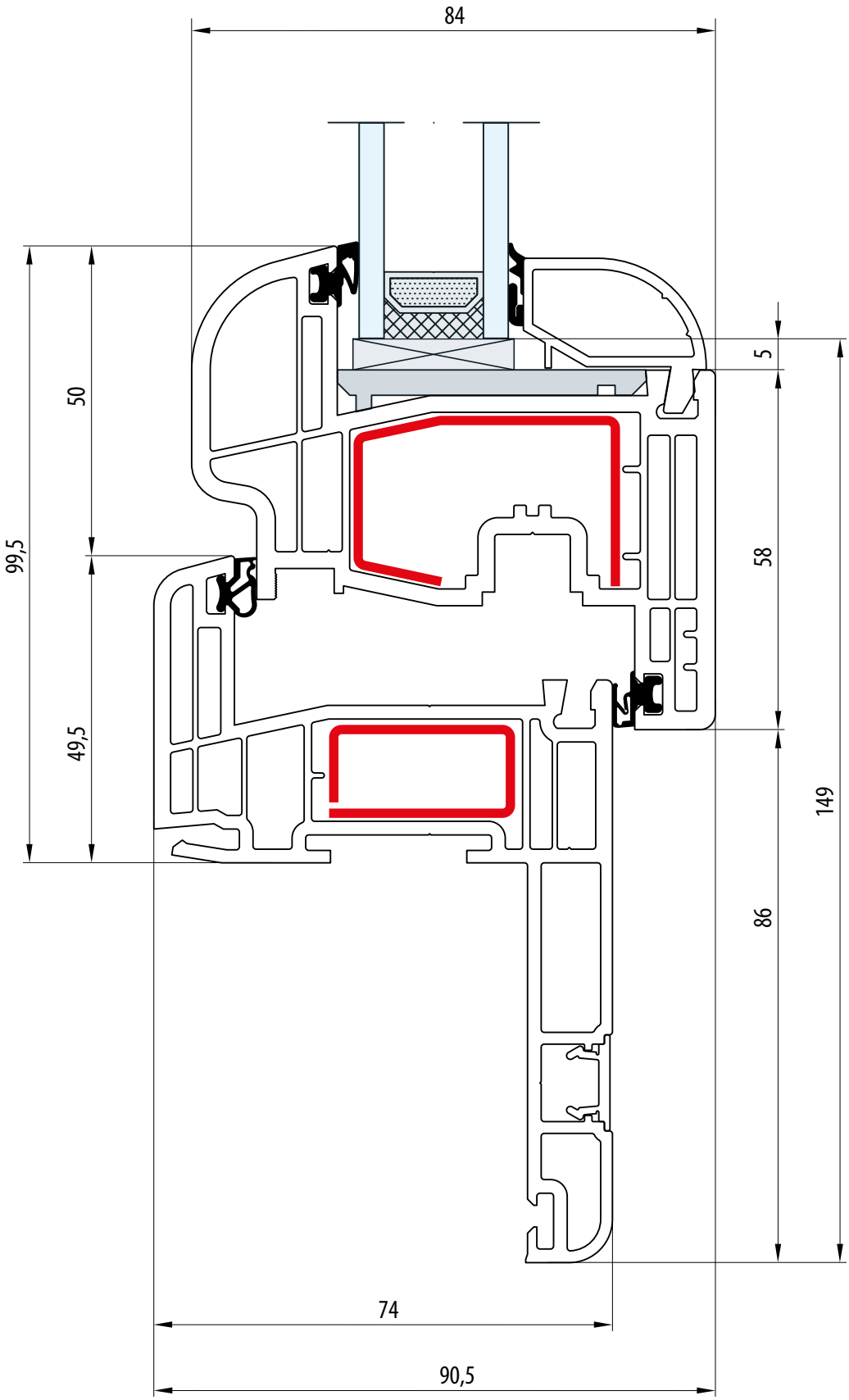

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



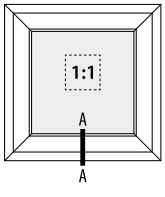


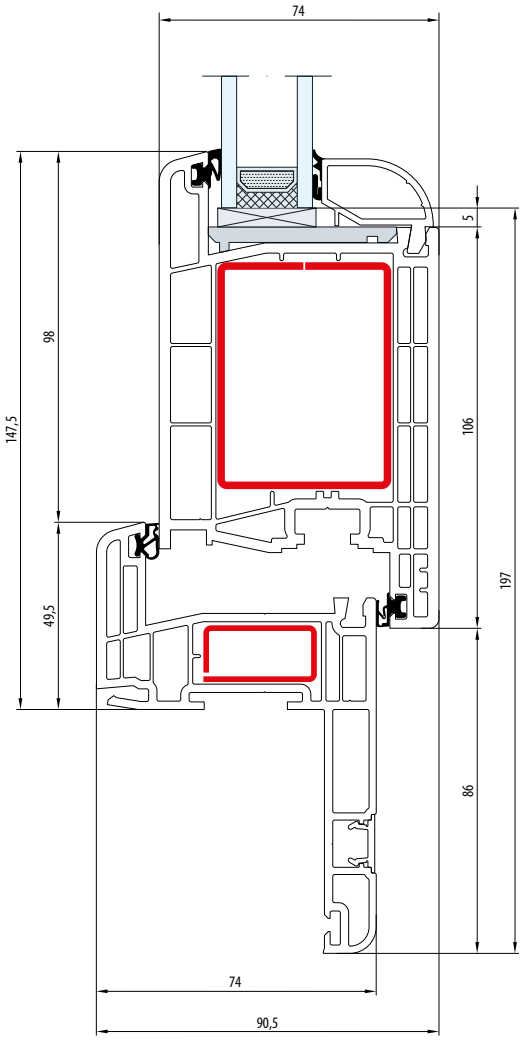

RENOWACJA - Płetwa: 40 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 40 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 40 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 40 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 40 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 40 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



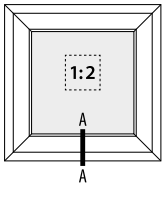


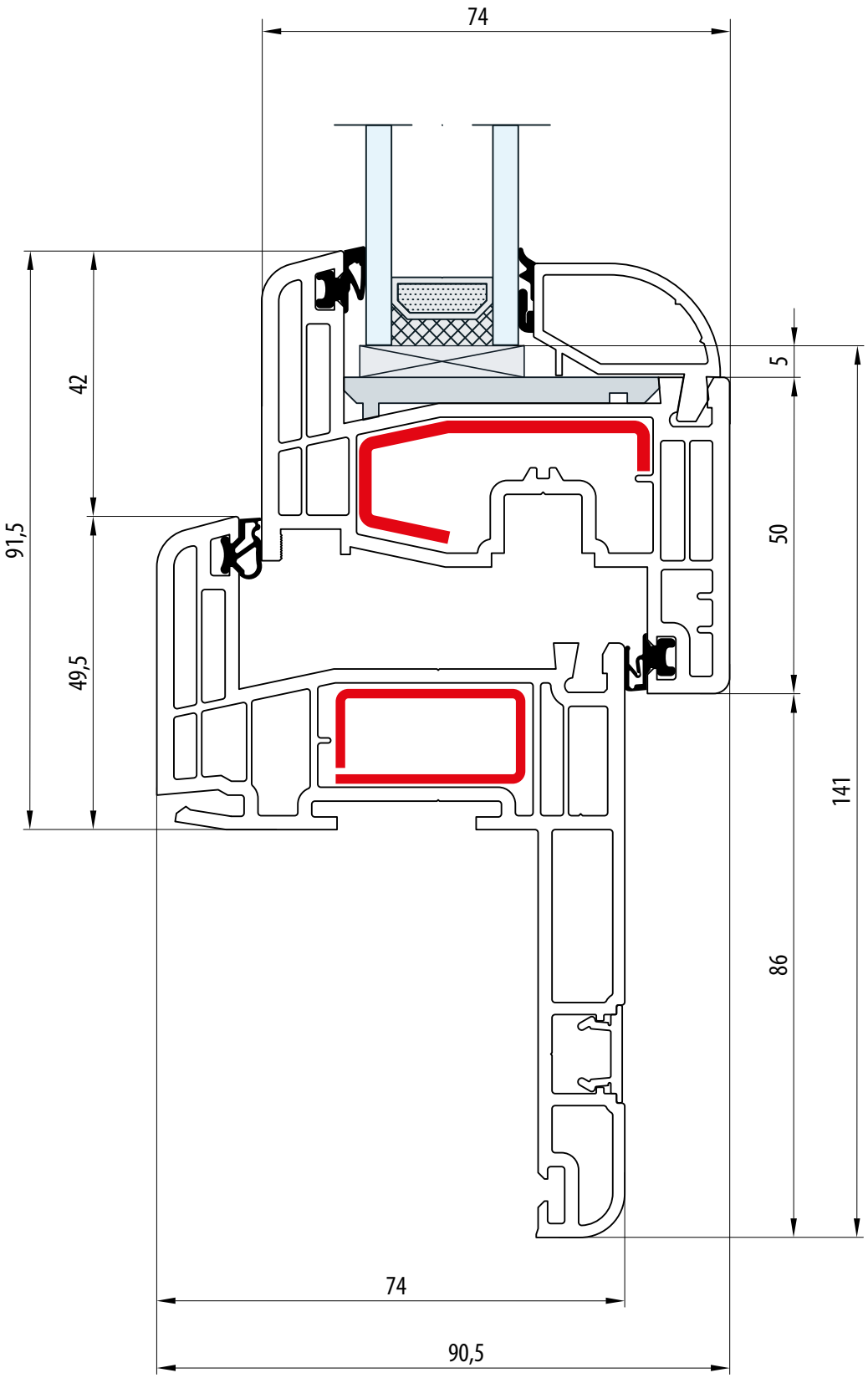

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



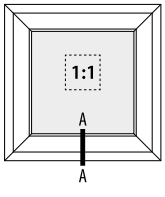


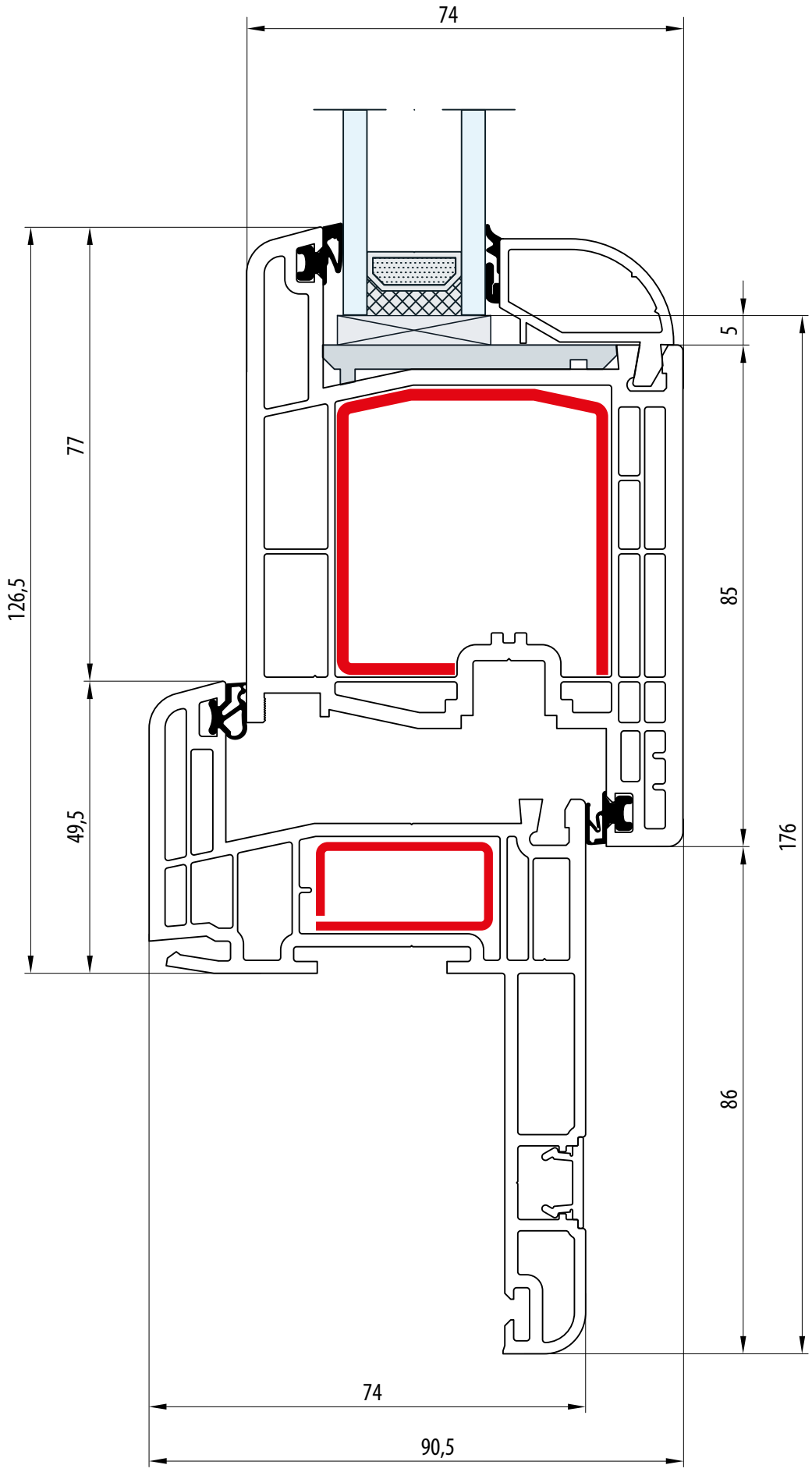

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 126 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 126 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 126 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 126 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 126 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5mm · Vleugel: 126 mm



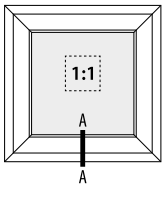


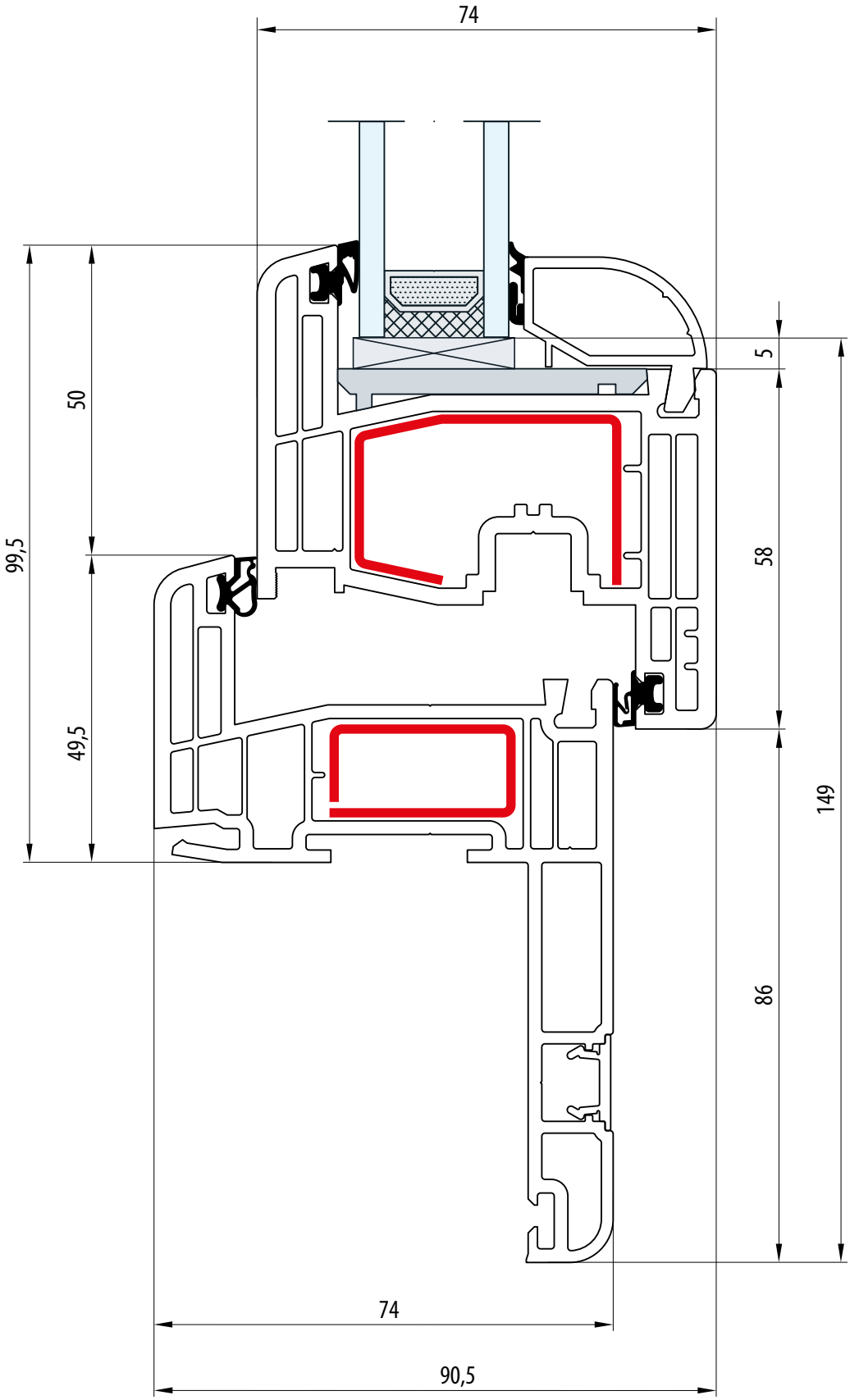

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 70 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 70 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5mm · Sash: 70 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 70 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 70 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 70 mm



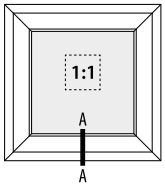


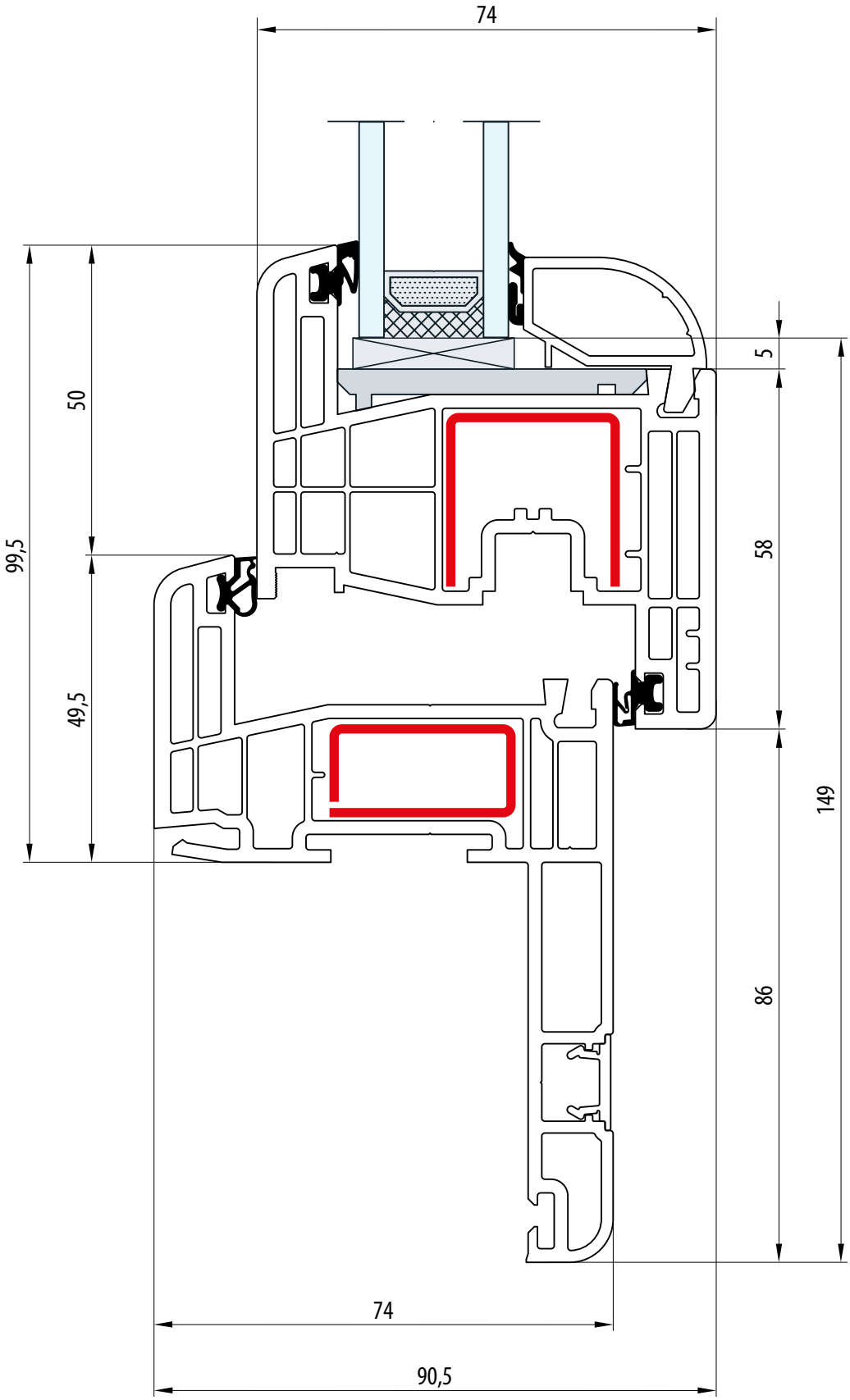

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 105 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 105mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 105 mm



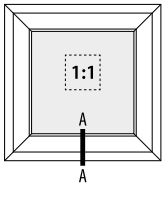


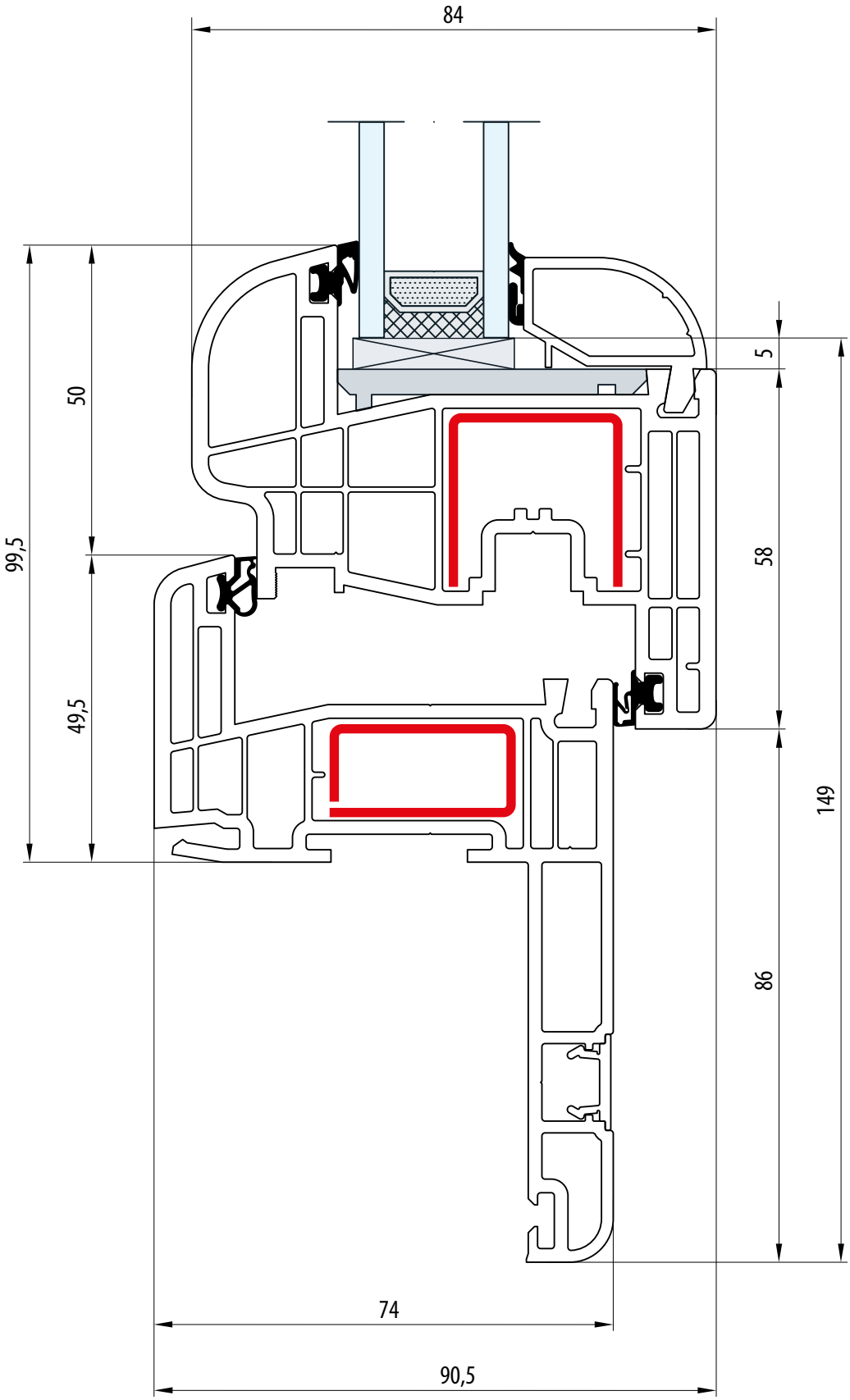

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



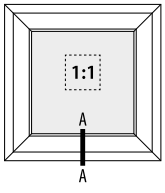


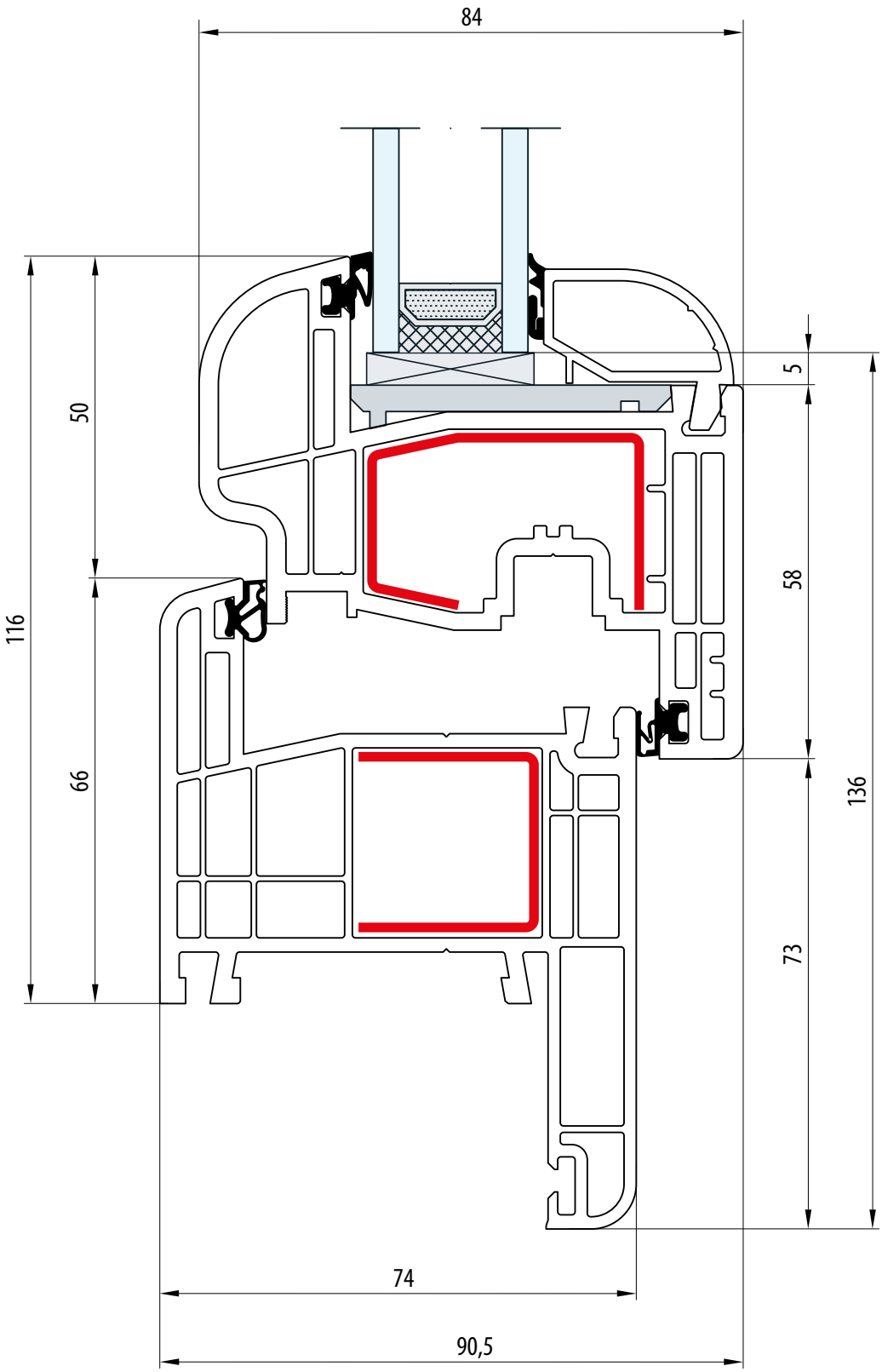

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



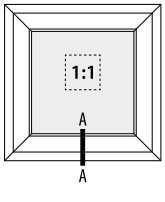


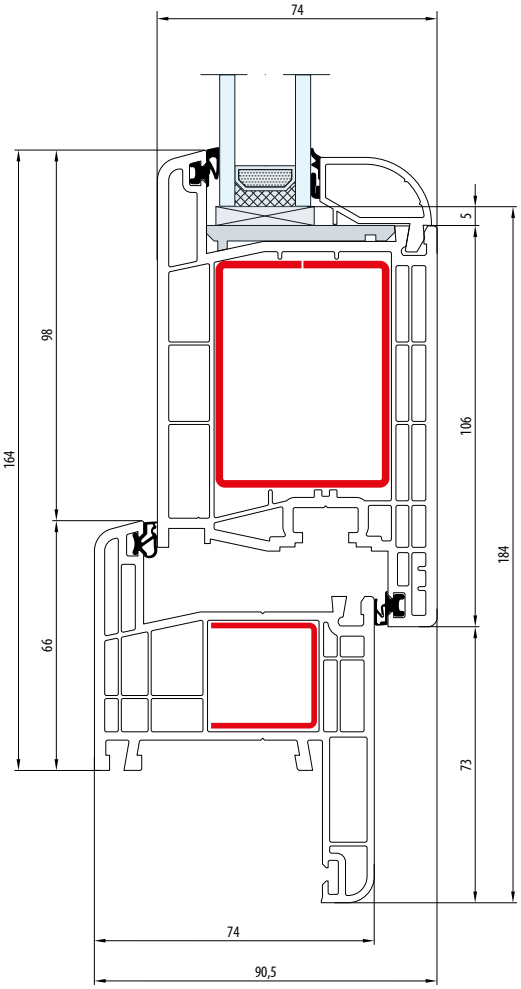

RENOWACJA - Płetwa: 64,5 mm · Rama: 49,5 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 64,5 mm · Dormant: 49,5 mm · Vantail: 78 mm
RENOVATION - Strip: 64,5 mm · Frame: 49,5 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 64,5 mm · Rahmen: 49,5 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 64,5 mm · Telaio: 49,5 mm · Anta: 78 mm
RENOVATIE - Vin: 64,5 mm · Kozijn: 49,5 mm · Vleugel: 78 mm



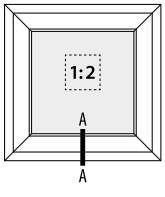


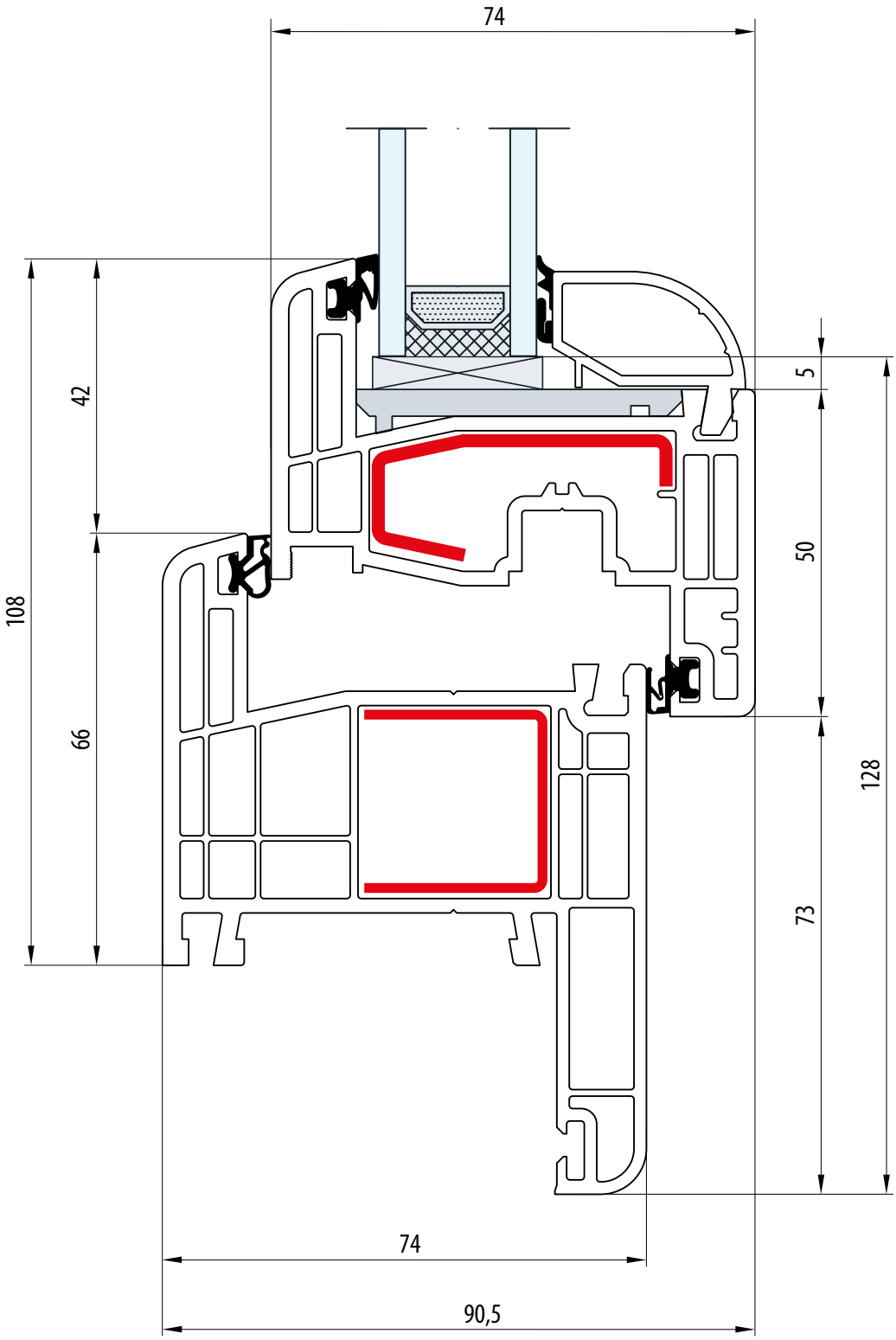

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 78 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 78 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 78 mm



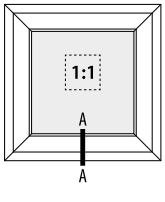


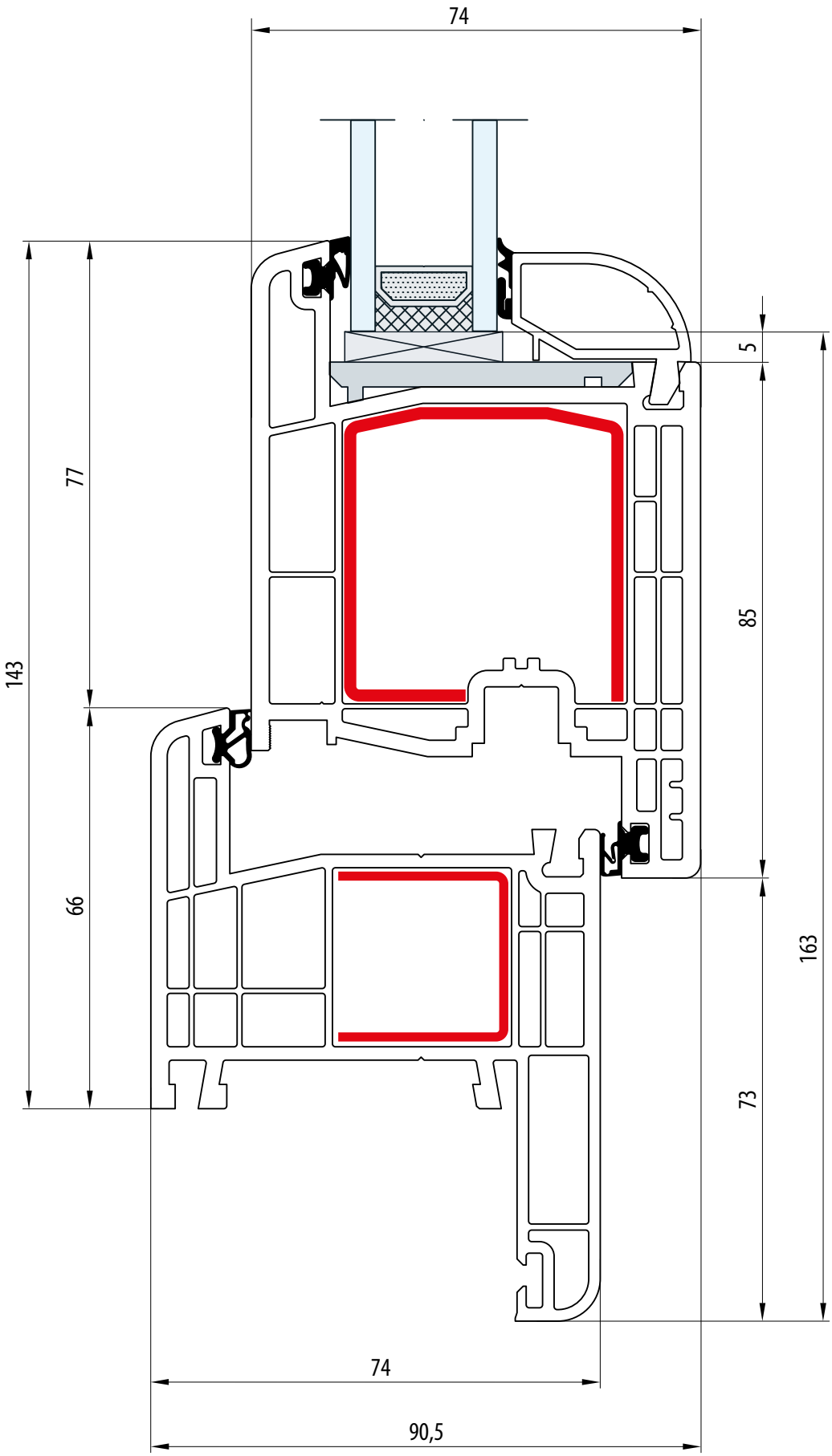

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 126 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 126 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 126 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 126 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 126 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 126 mm



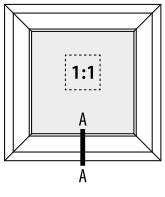


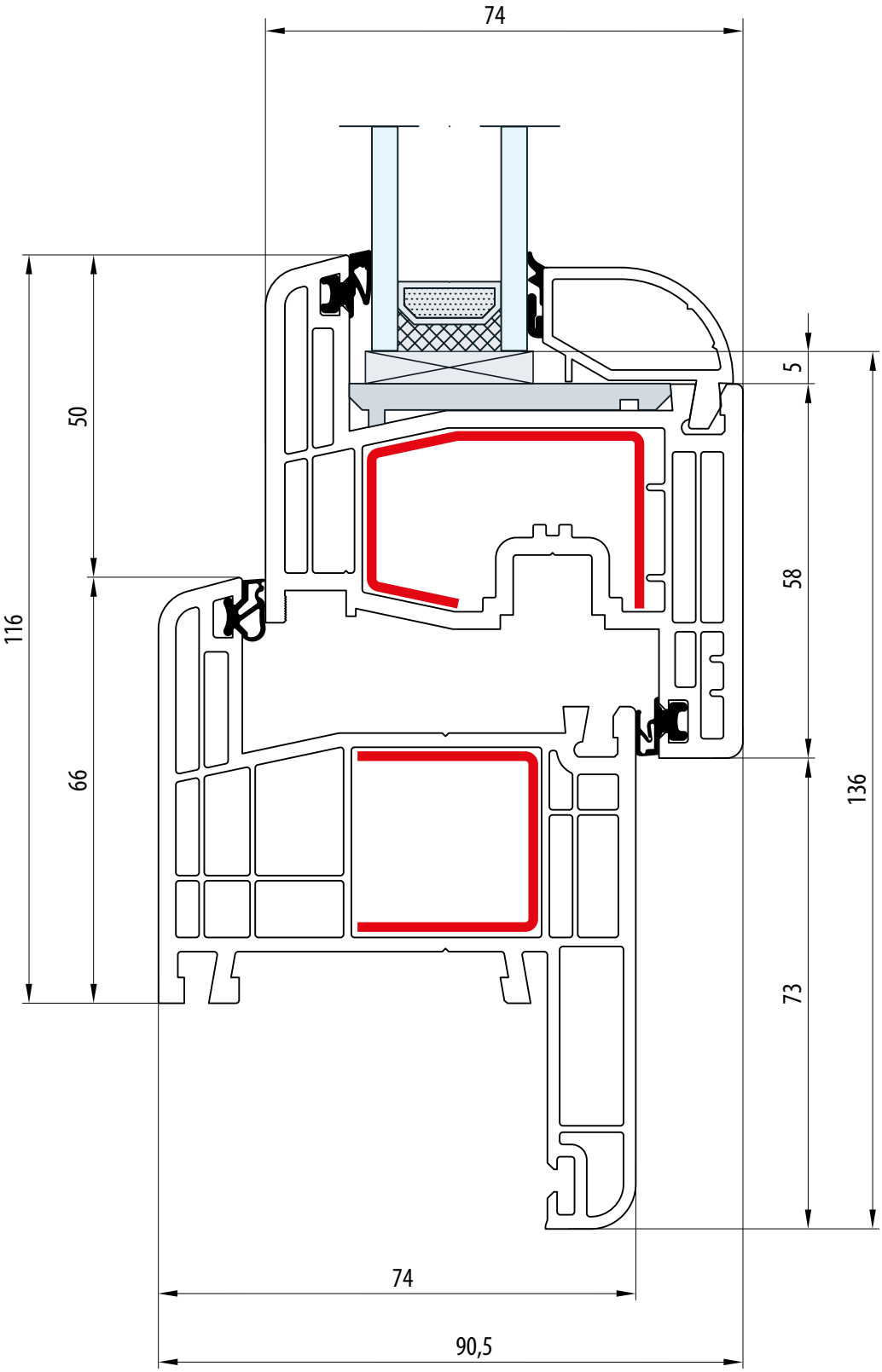

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 70 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 70 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 70 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 70 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 70 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 70 mm



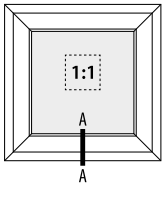


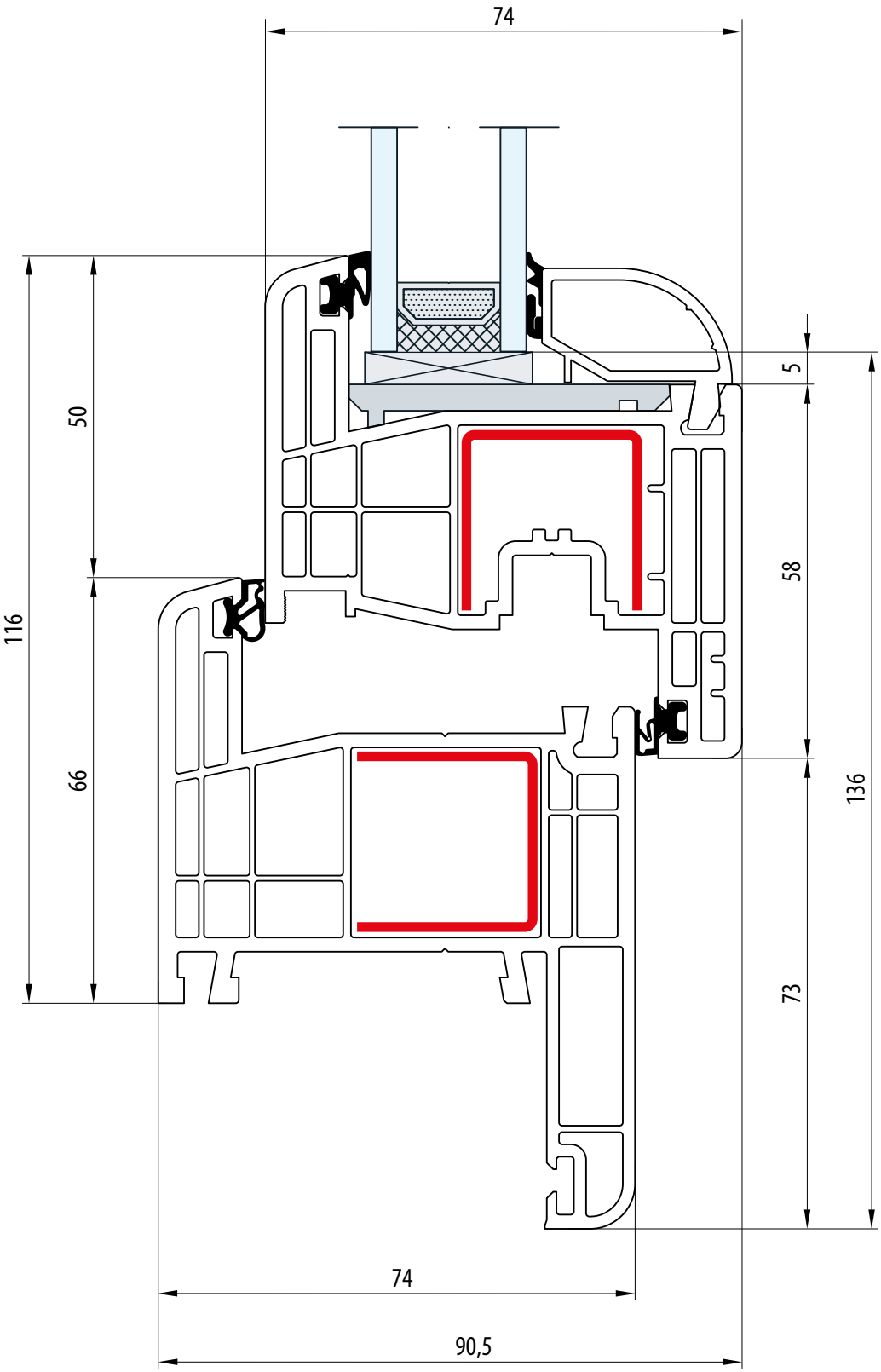

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 105 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 105 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 105 mm



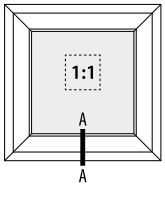


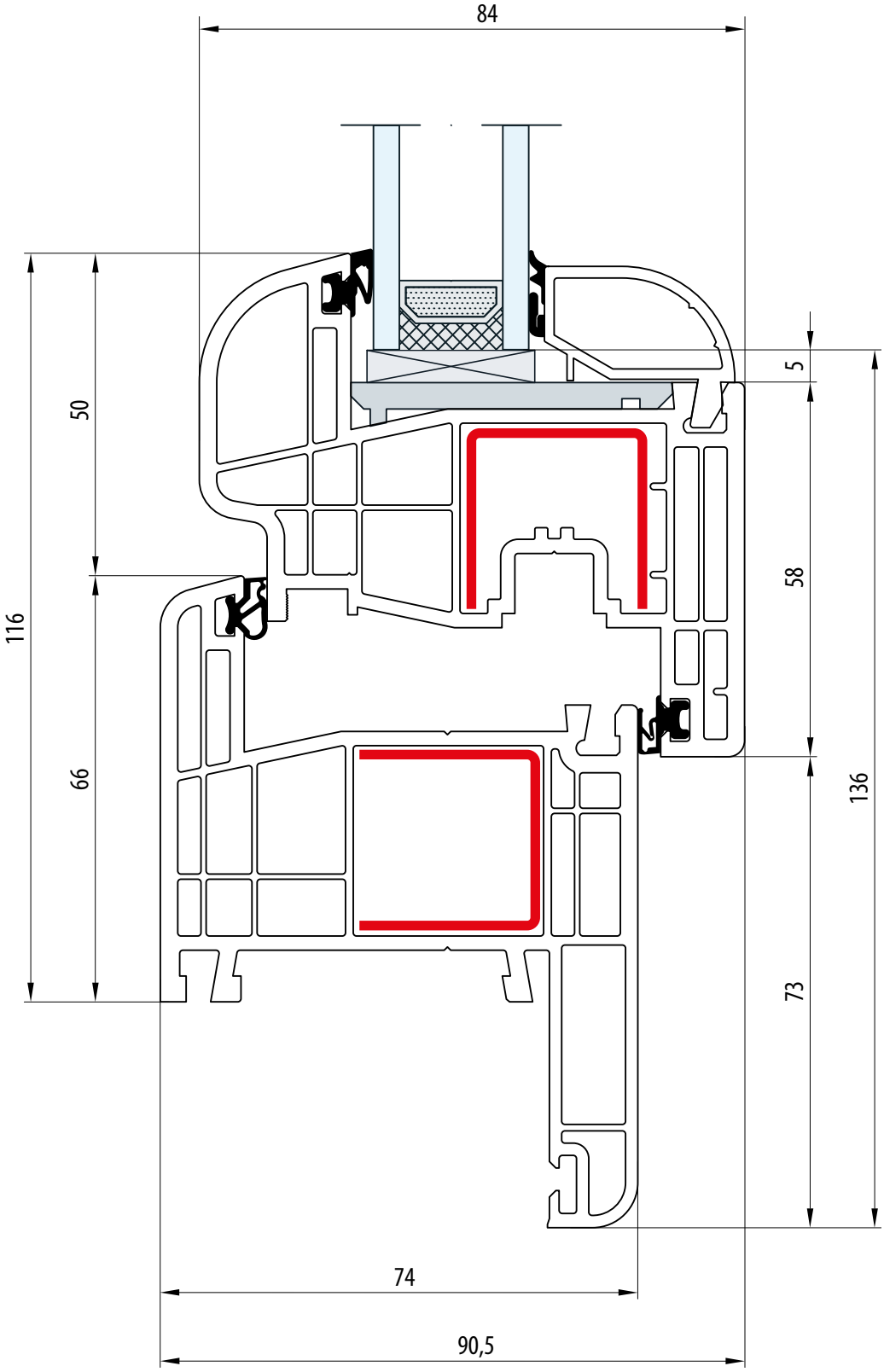

- RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 78 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 78 mm
- RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 78 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 78 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 78 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 78 mm



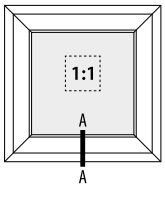


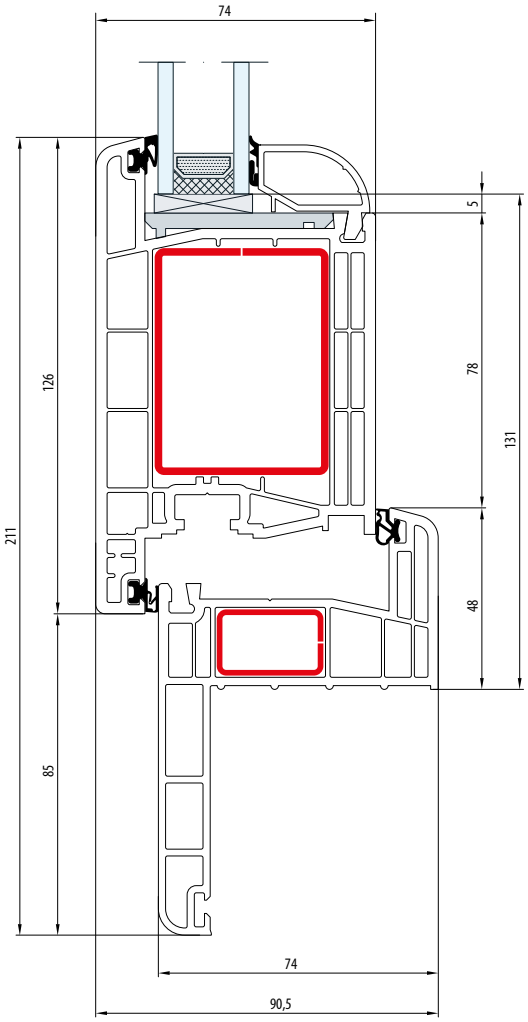

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 78 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 78 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 78 mm



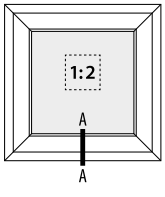


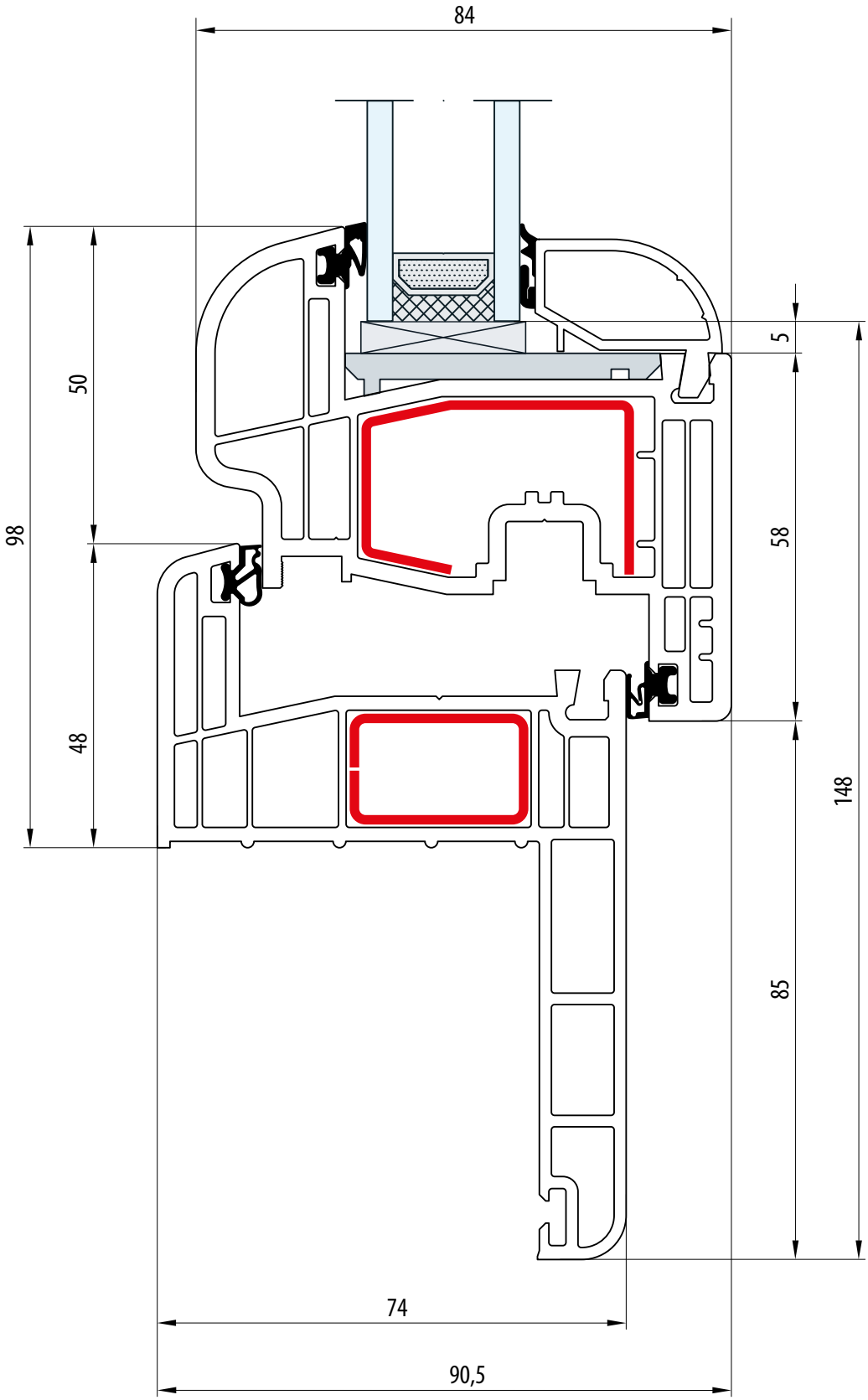

RENOWACJA - Płetwa: 35 mm · Rama: 66 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 35 mm · Dormant: 66 mm · Vantail: 78 mm
RENOVATION - Strip: 35 mm · Frame: 66 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 66 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 66 mm · Anta: 78 mm
RENOVATIE - Vin: 35 mm · Kozijn: 66 mm · Vleugel: 78 mm



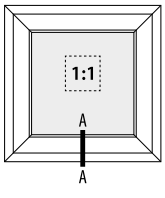


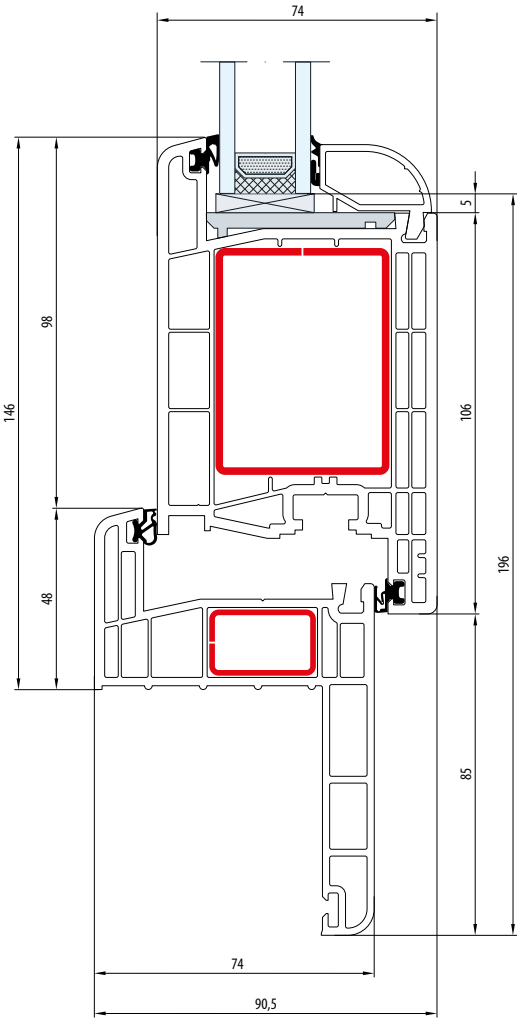

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 126 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 126 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 126 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 126 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 126 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 126 mm



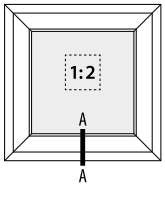


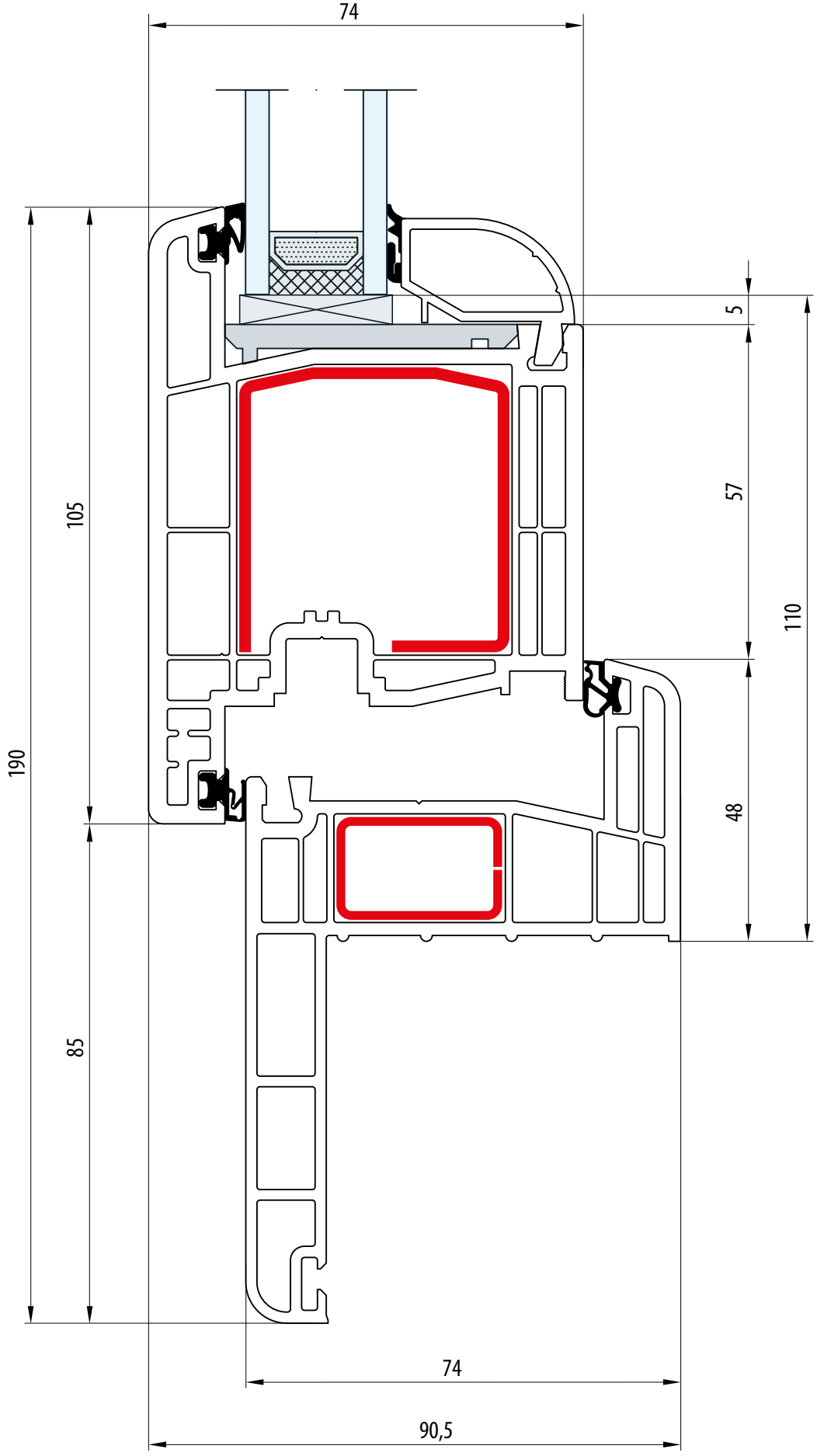

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 78 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 78 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 78 mm



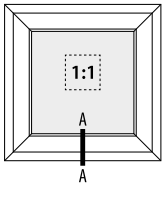


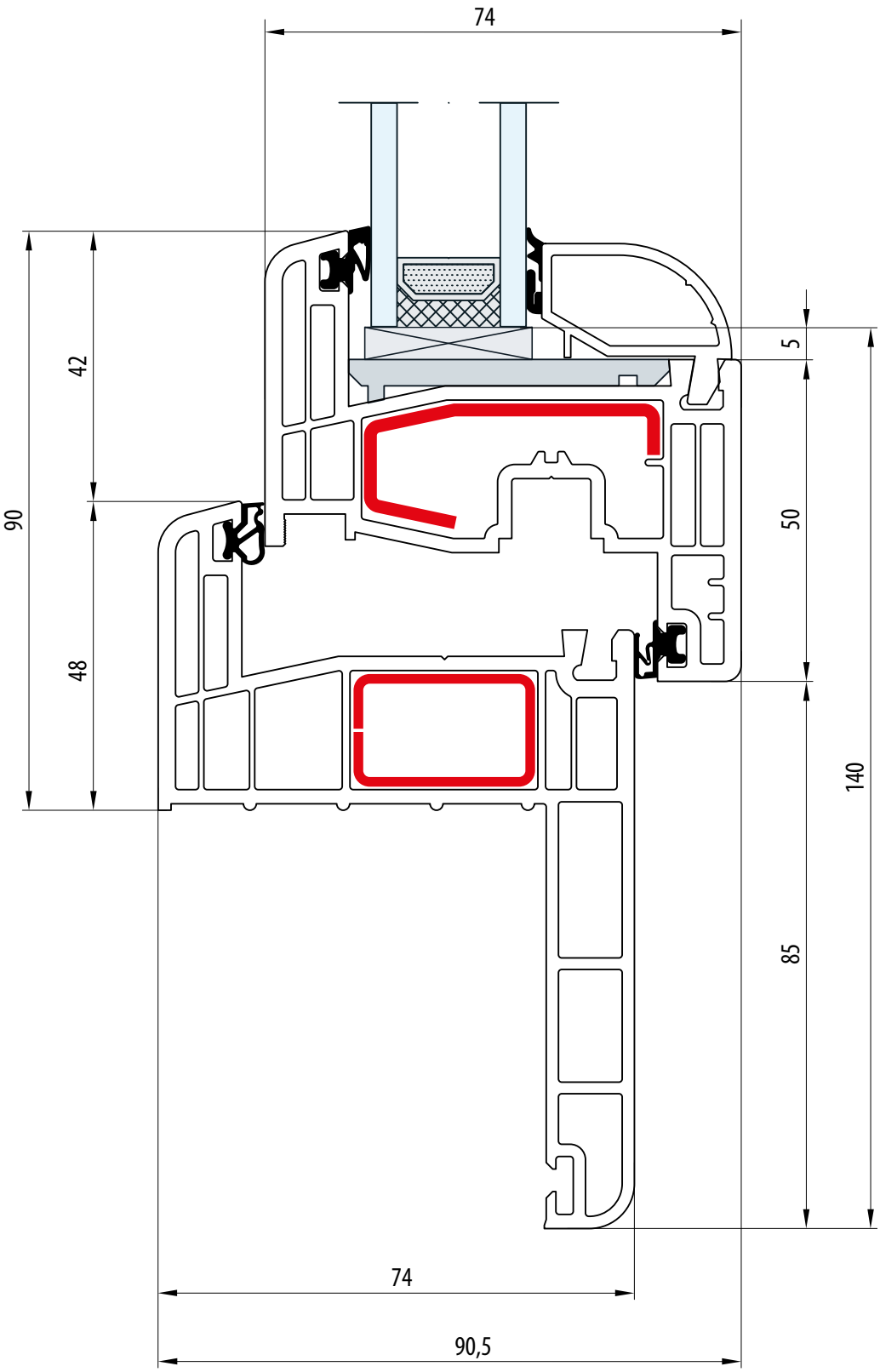

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 126 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 126 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 126 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 126 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 126 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 126 mm



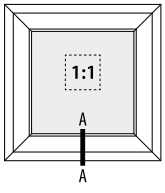


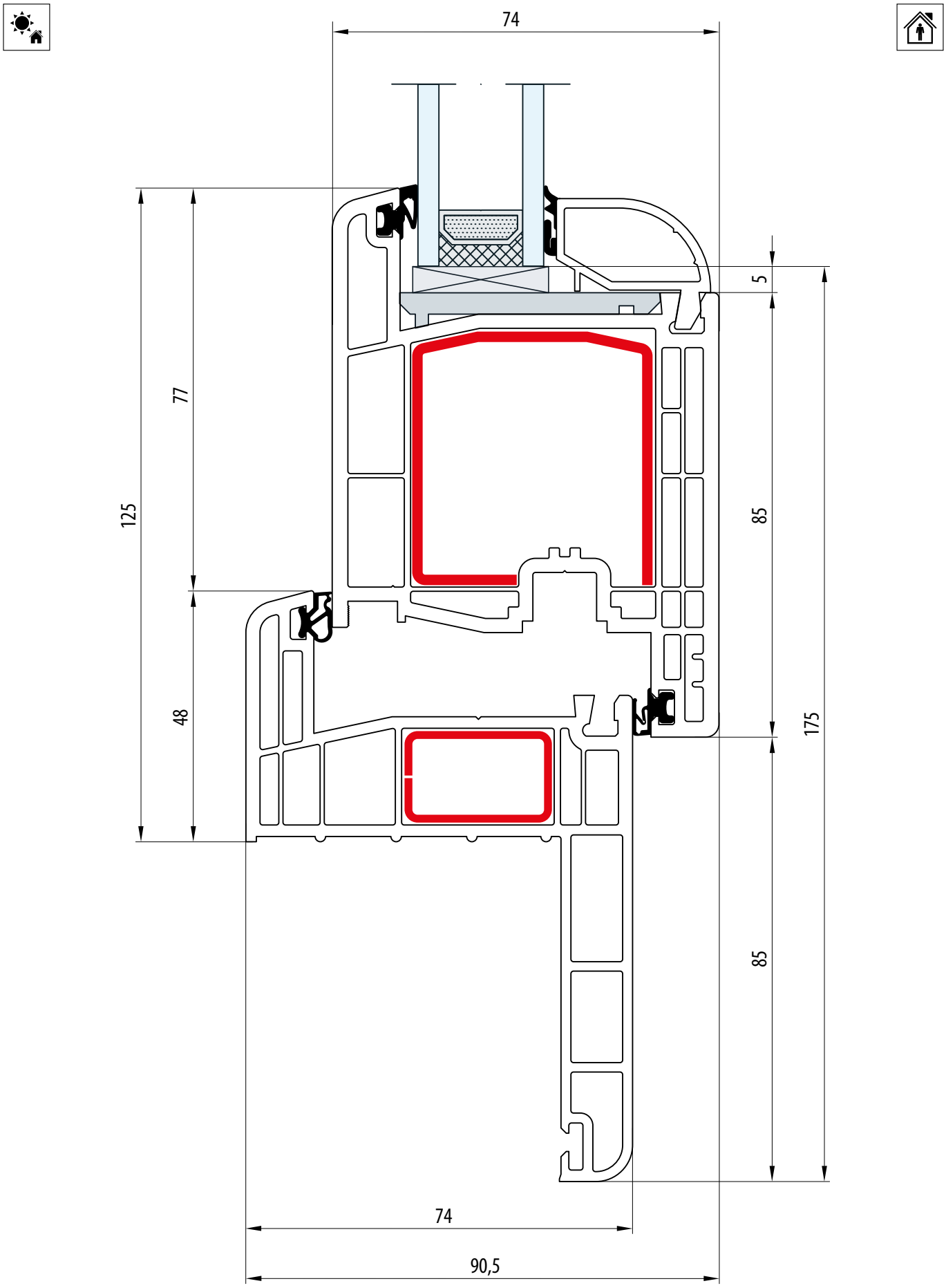

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 105 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 105 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 105 mm



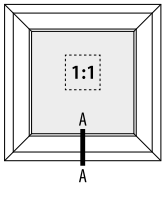


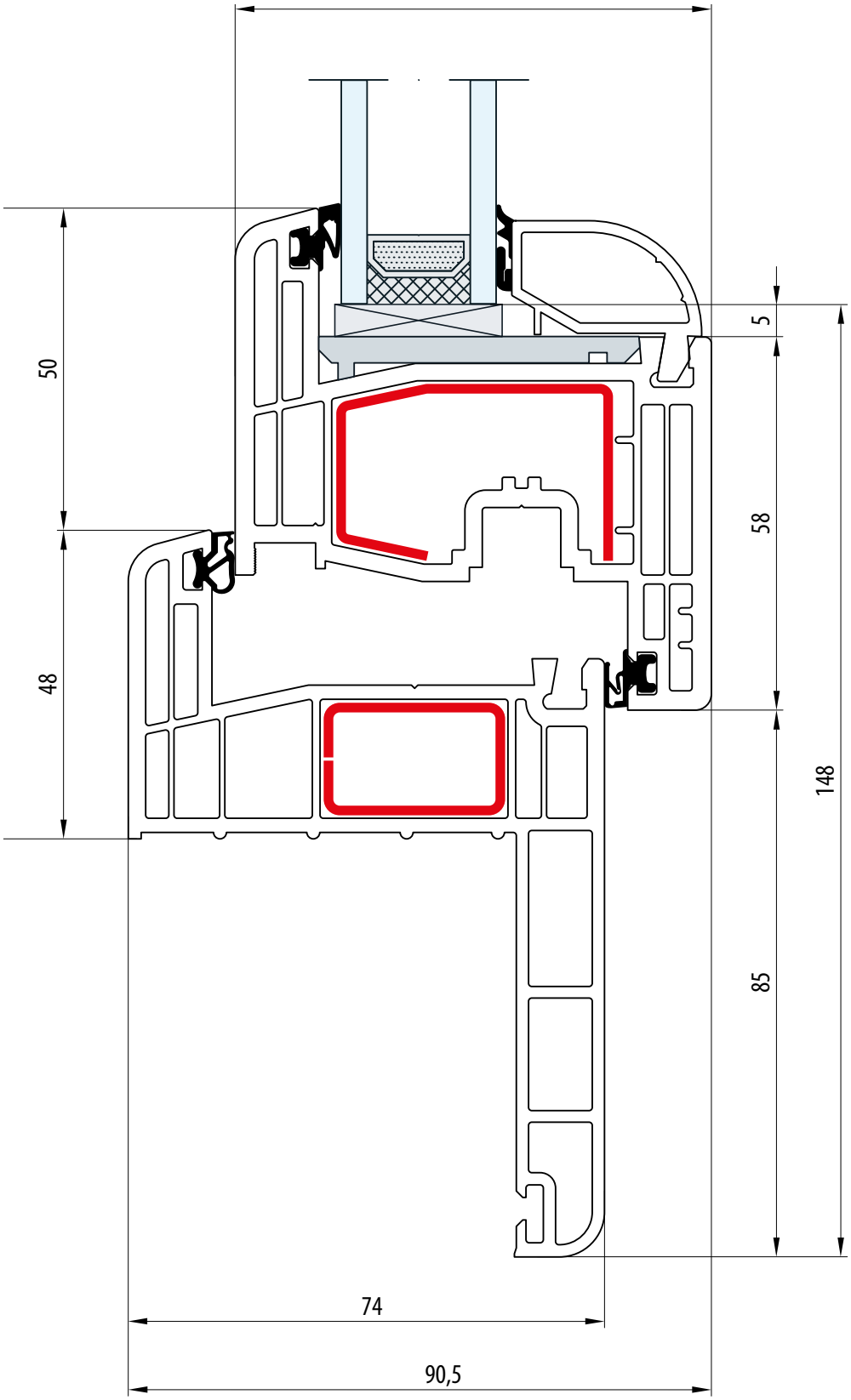

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 70 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 70 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 70 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 70 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 70 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 70 mm



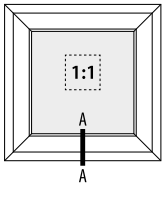


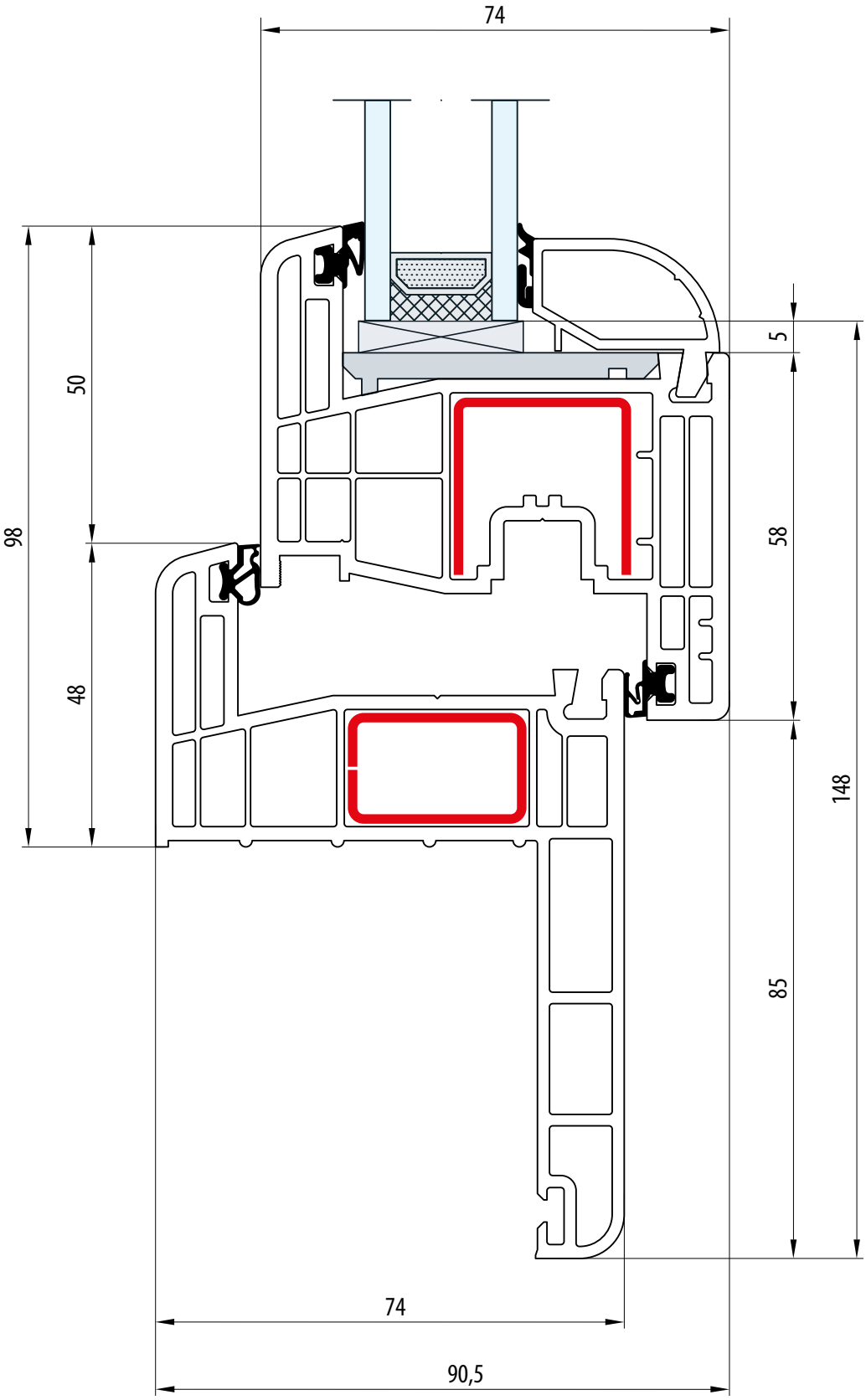

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 105 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 105 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 105 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 105 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 105 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 105 mm



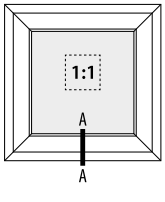


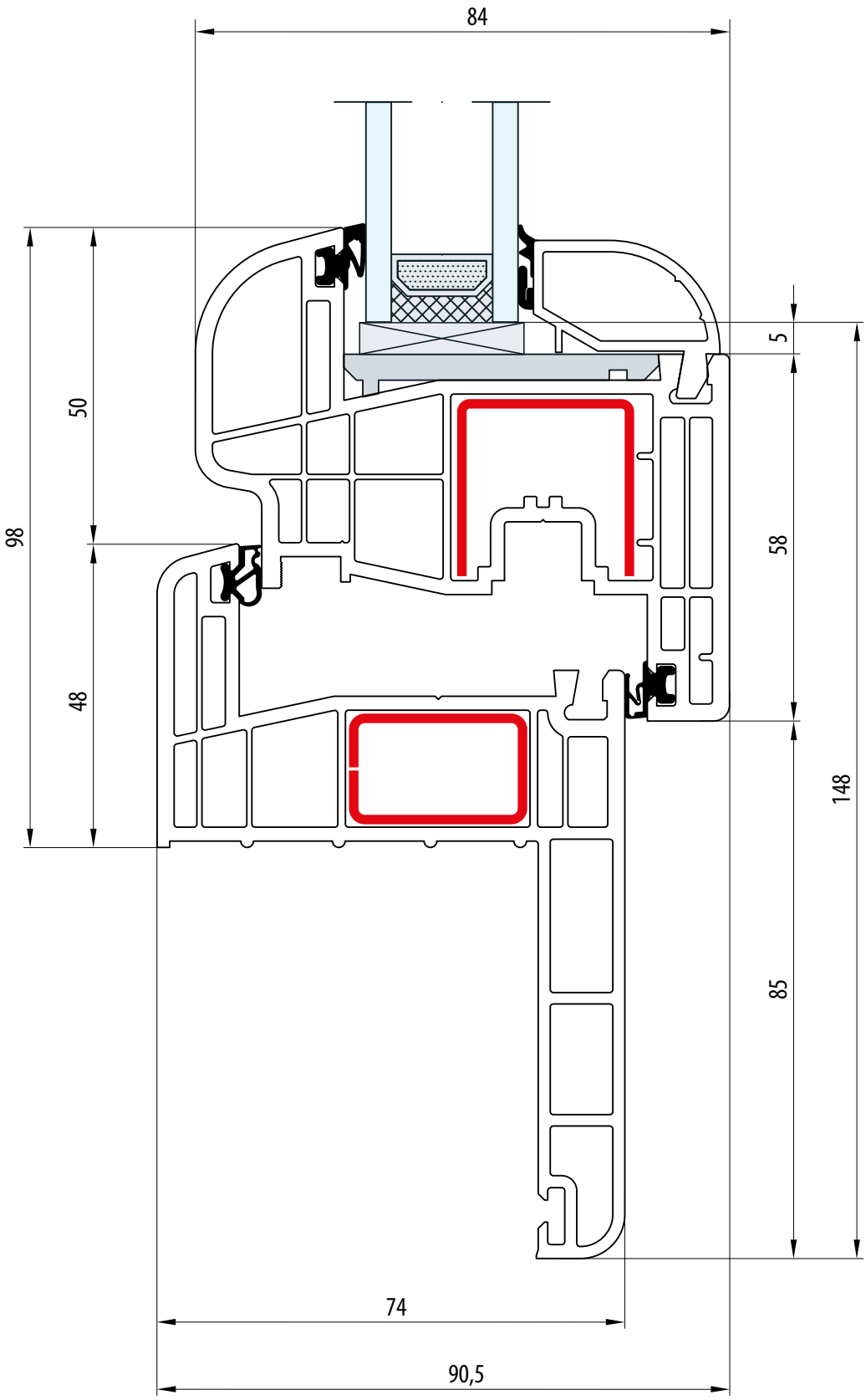

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 78 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 78 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 78 mm



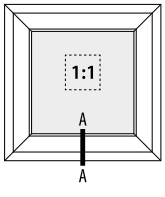


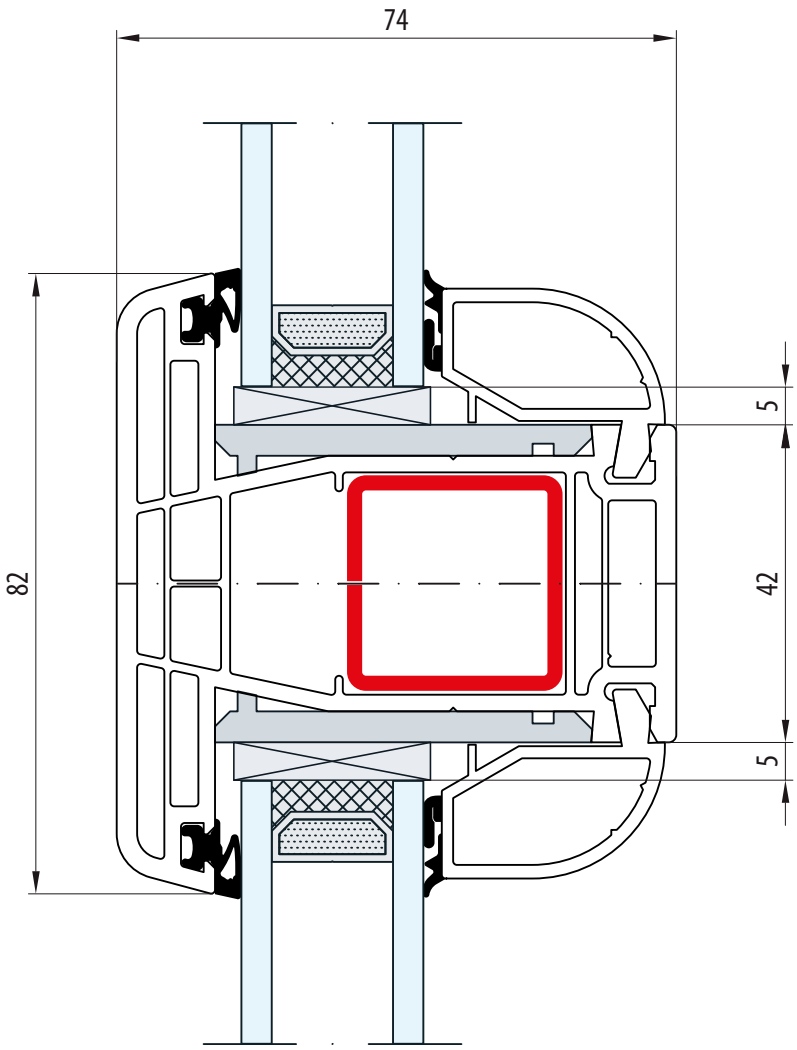

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 78 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 78 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 78 mm



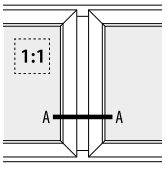


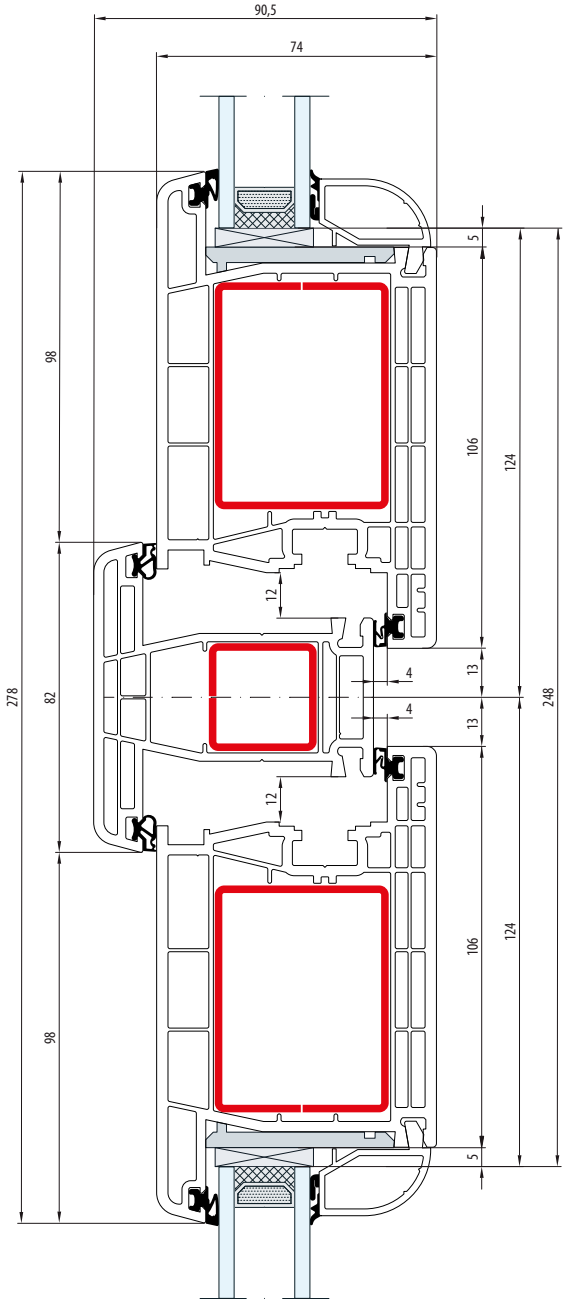

RENOWACJA - Płetwa: 65 mm · Rama: 48 mm · Skrzydło: 78 mm
RÉNOVATION - Lip: 65 mm · Dormant: 48 mm · Vantail: 78 mm
RENOVATION - Strip: 65 mm · Frame: 48 mm · Sash: 78 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 48 mm · Flügel: 78 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 48 mm · Anta: 78 mm
RENOVATIE - Vin: 65 mm · Kozijn: 48 mm · Vleugel: 78 mm



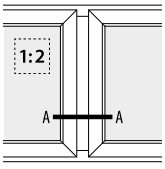


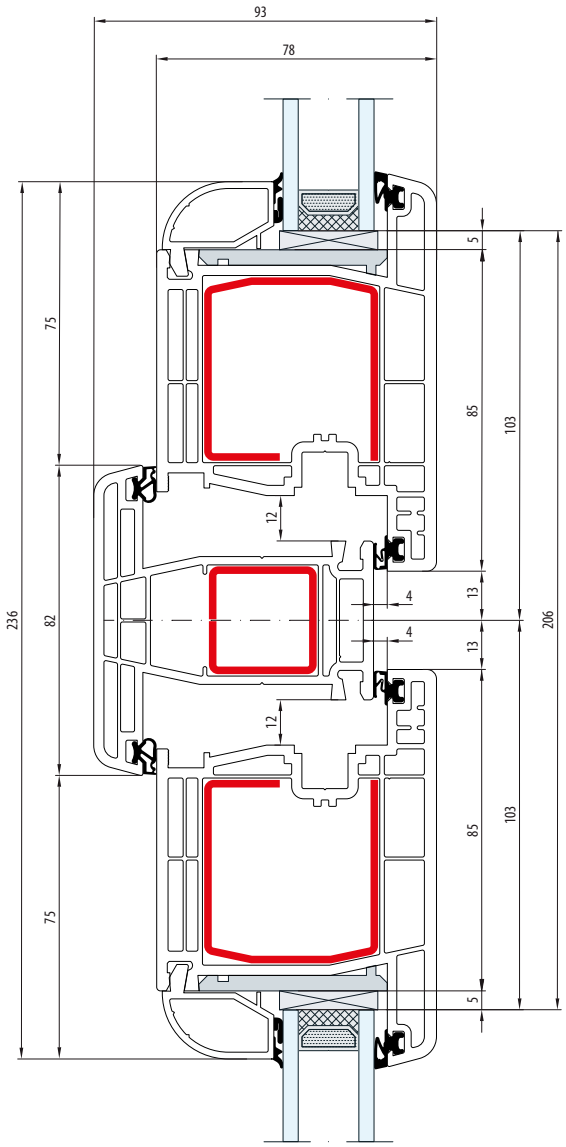

- Słupek stały: 82 mm
- Meneau fixe: 82 mm
- Fix post: 82 mm
- Festem Pfahl: 82 mm
- Montante fisso: 82 mm
- Vaste stijl: 82 mm



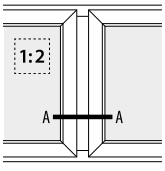


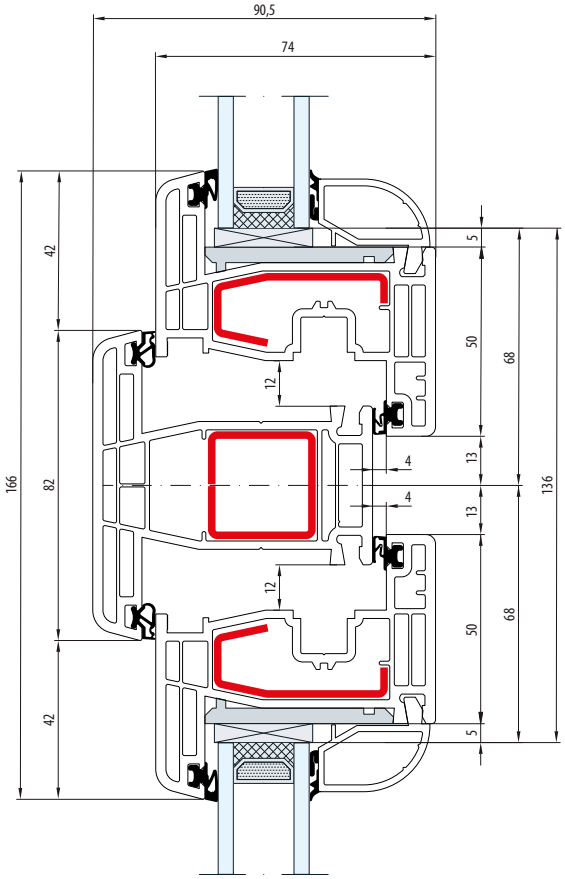

- Słupek stały: 82 mm · Skrzydło: 126 mm
- Meneau fixe: 82 mm · Vantail: 126 mm
- Fix post: 82 mm · Sash: 126 mm
- Festem Pfahl: 82 mm · Flügel: 126 mm
- Montante fisso: 82 mm · Anta: 126 mm
- Vaste stijl: 82 mm · Vleugel: 126 mm



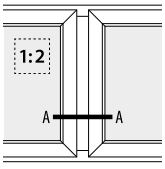


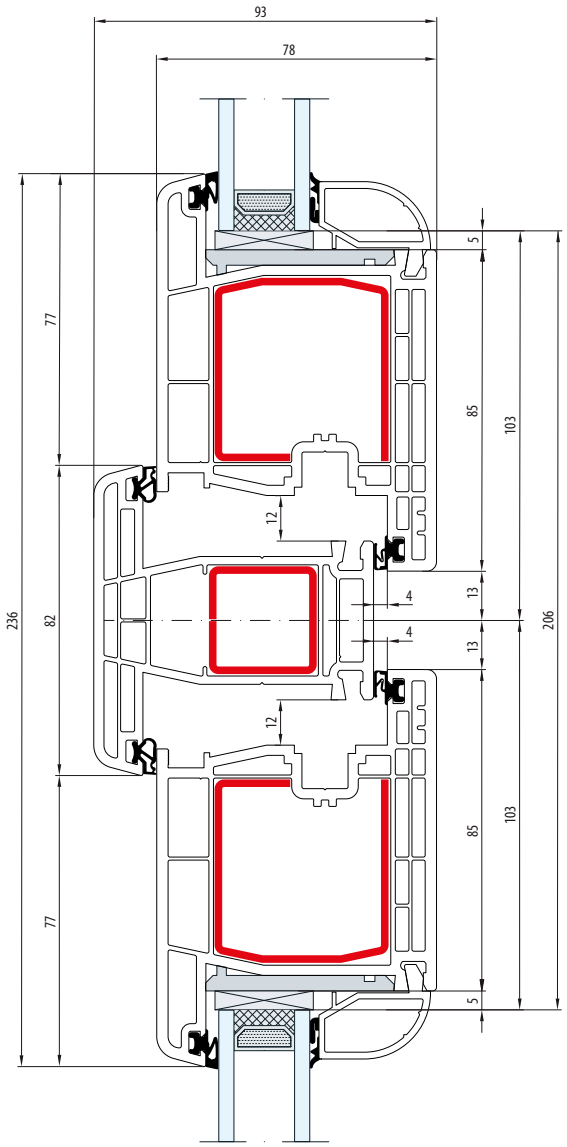

Słupek stały: 82 mm · Skrzydło: 105 mm
Meneau fixe: 82 mm · Vantail: 105 mm
Fix post: 82 mm · Sash: 105 mm
Festem Pfahl: 82 mm · Flügel: 105 mm
Montante fisso: 82 mm · Anta: 105 mm
Vaste stijl: 82 mm · Vleugel: 105 mm



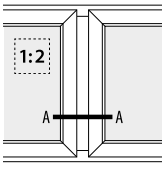


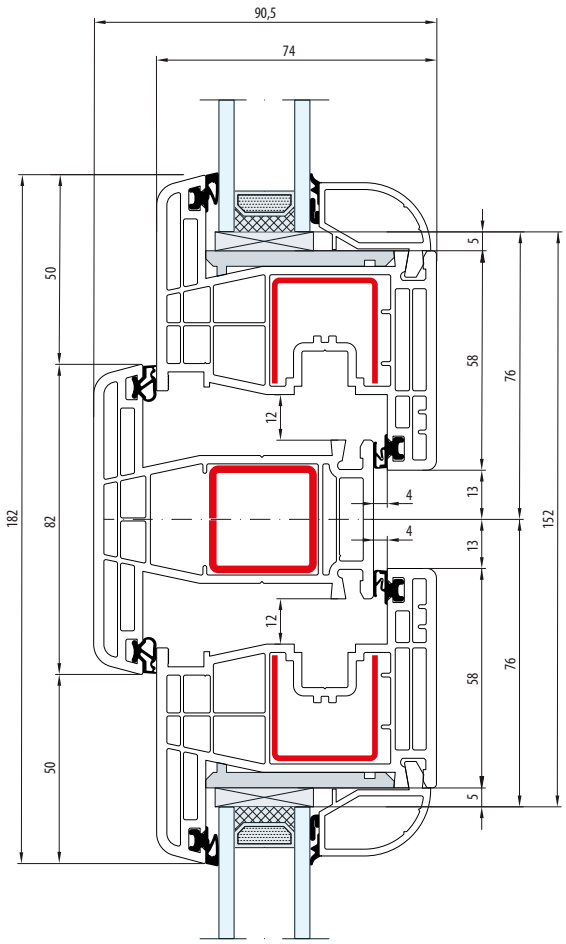

- Słupek stały: 82 mm · Skrzydło: 70 mm
- Meneau fixe: 82 mm · Vantail: 70 mm
- Fix post: 82 mm · Sash: 70 mm
- Festem Pfahl: 82 mm · Flügel: 70 mm
- Montante fisso: 82 mm · Anta: 70 mm
- Vaste stijl: 82 mm · Vleugel: 70 mm



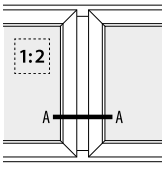


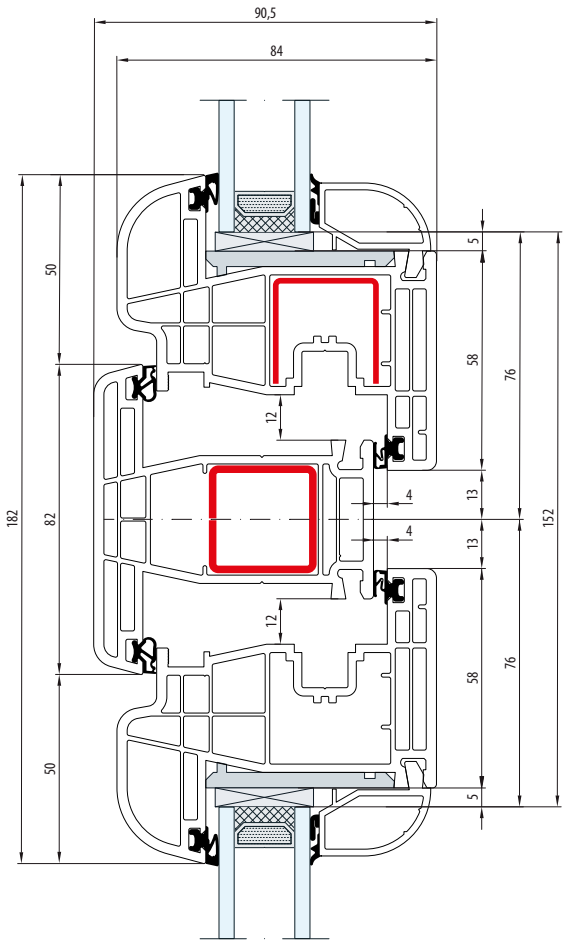

- Słupek stały: 82 mm · Skrzydło: 105 mm
- Meneau fixe: 82 mm · Vantail: 105 mm
- Fix post: 82 mm · Sash: 105 mm
- Festem Pfahl: 82 mm · Flügel: 105 mm
- Montante fisso: 82 mm · Anta: 105 mm
- Vaste stijl: 82 mm · Vleugel: 105 mm



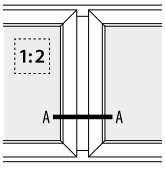


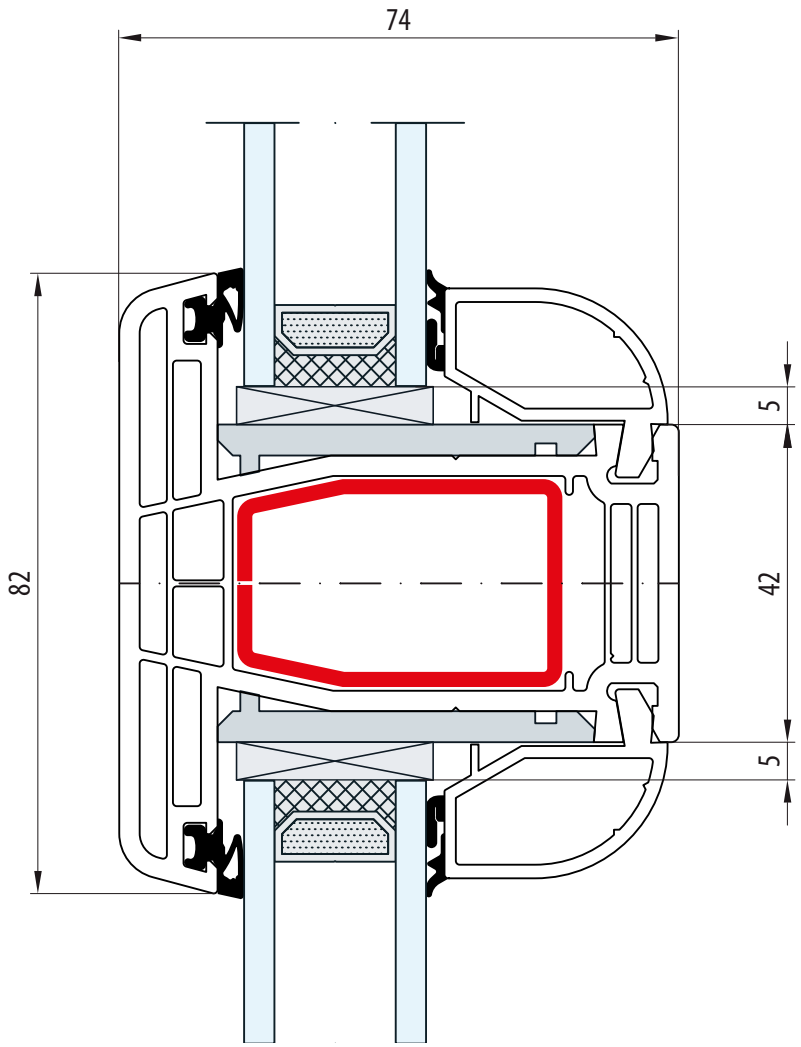

Słupek stały: 82 mm · Skrzydło: 78 mm
Meneau fixe: 82 mm · Vantail: 78 mm
Fix post: 82 mm · Sash: 78 mm
Festem Pfahl: 82 mm · Flügel: 78 mm
Montante fisso: 82 mm · Anta:78 mm
Vaste stijl: 82 mm · Vleugel: 78 mm



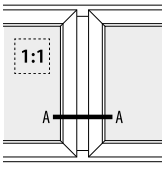


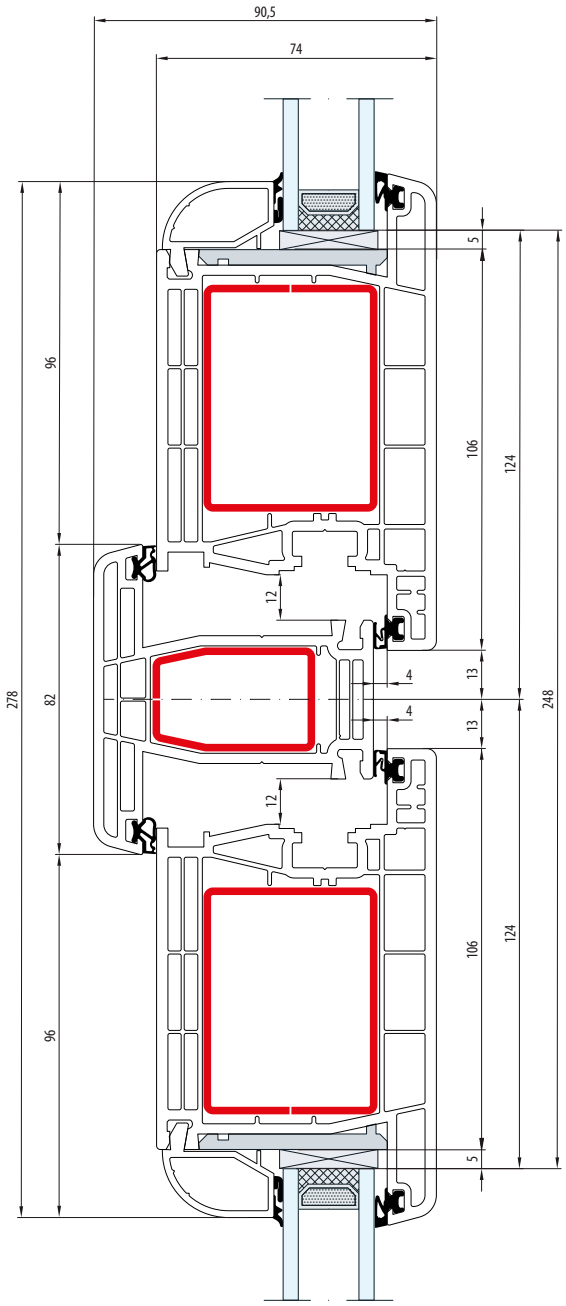

Słupek stały: 82 mm · Skrzydło: 78 mm
Meneau fixe: 82 mm · Vantail: 78 mm
Fix post: 82 mm · Sash: 78 mm
Festem Pfahl: 82 mm · Flügel: 78 mm
Montante fisso: 82 mm · Anta: 78 mm
Vaste stijl: 82 mm · Vleugel: 78 mm



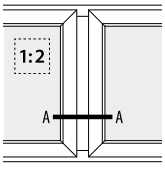


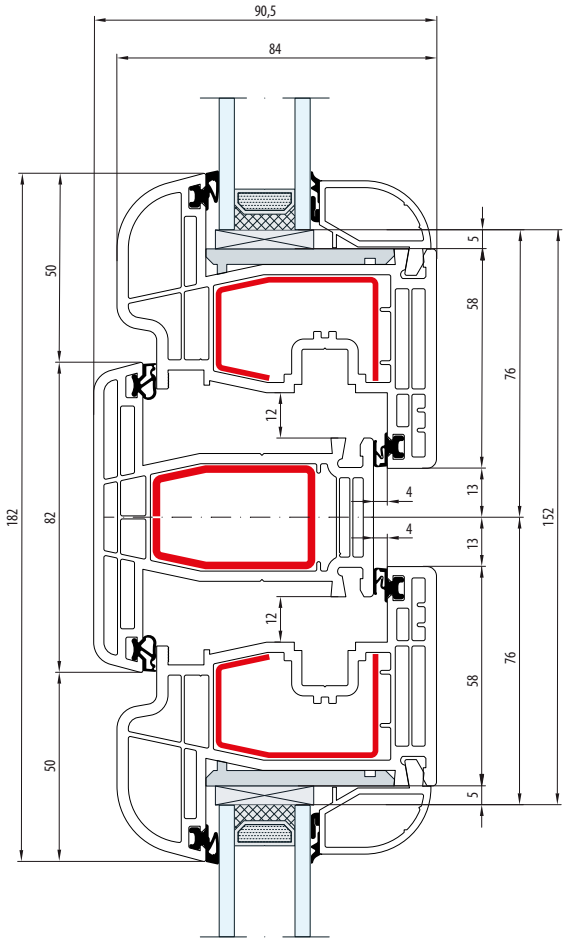

- Słupek stały: 82 mm
- Meneau fixe: 82 mm
- Fix post: 82 mm
- Festem Pfahl: 82 mm
- Montante fisso: 82 mm
- Vaste stijl: 82 mm



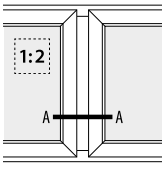


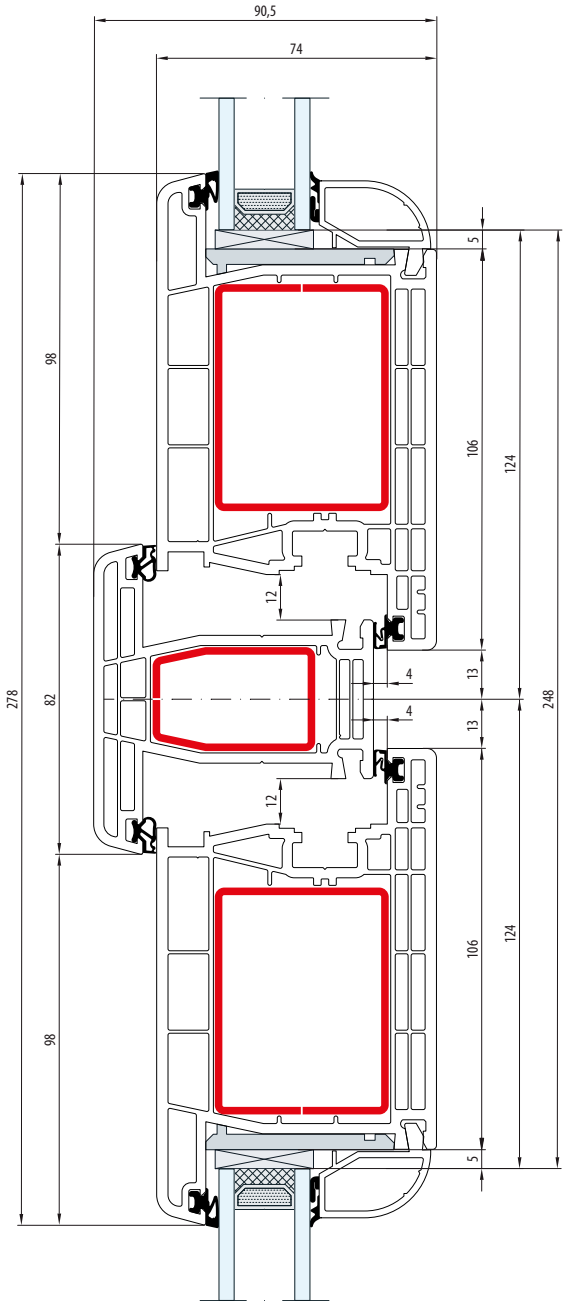

- Słupek stały: 82 mm · Skrzydło: 126 mm
- Meneau fixe: 82 mm · Vantail: 126 mm
- Fix post: 82 mm · Sash: 126 mm
- Festem Pfahl: 82 mm · Flügel: 126 mm
- Montante fisso: 82 mm · Anta: 126 mm
- Vaste stijl: 82 mm · Vleugel: 126 mm



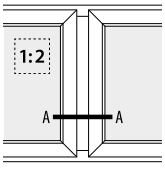


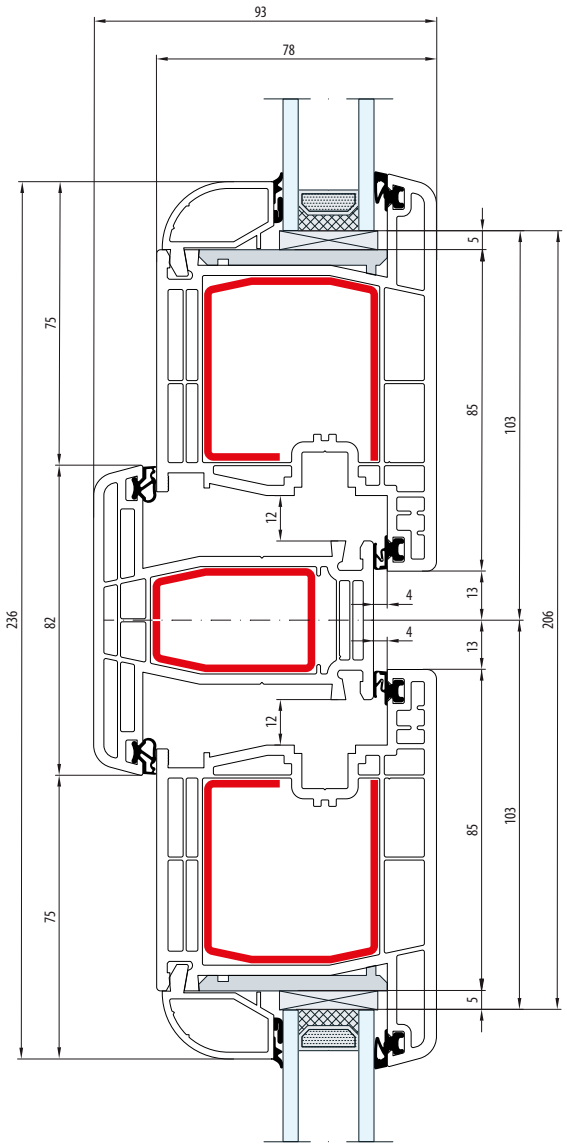

Słupek stały: 82 mm · Skrzydło: 78 mm
Meneau fixe: 82 mm · Vantail: 78 mm
Fix post: 82 mm · Sash: 78 mm
Festem Pfahl: 82 mm · Flügel: 78 mm
Montante fisso: 82 mm · Anta: 78 mm
Vaste stijl: 82 mm · Vleugel: 78 mm



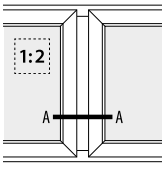


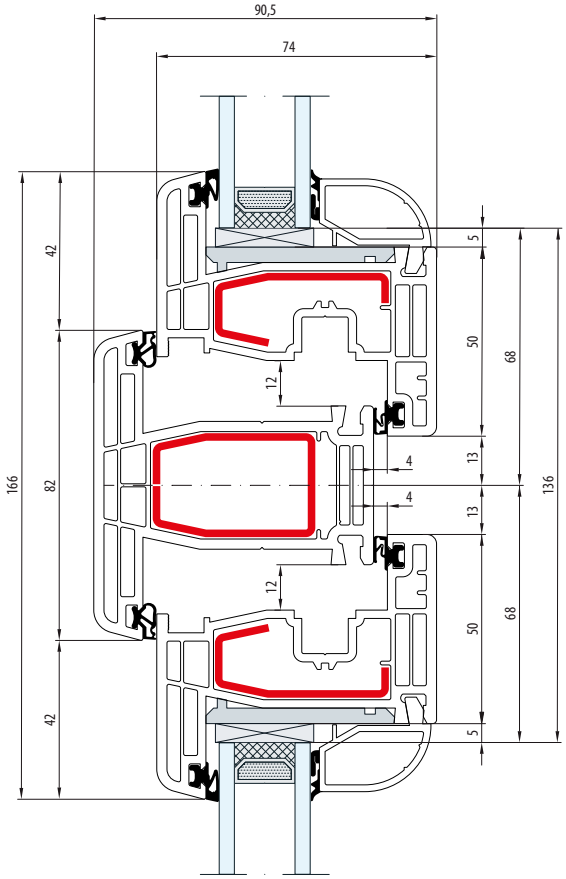

- Słupek stały: 82 mm · Skrzydło: 126 mm
- Meneau fixe: 82 mm · Vantail: 126 mm
- Fix post: 82 mm · Sash: 126 mm
- Festem Pfahl: 82 mm · Flügel: 126 mm
- Montante fisso: 82 mm · Anta: 126 mm
- Vaste stijl: 82 mm · Vleugel: 126 mm



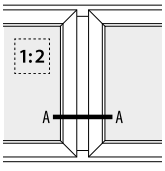


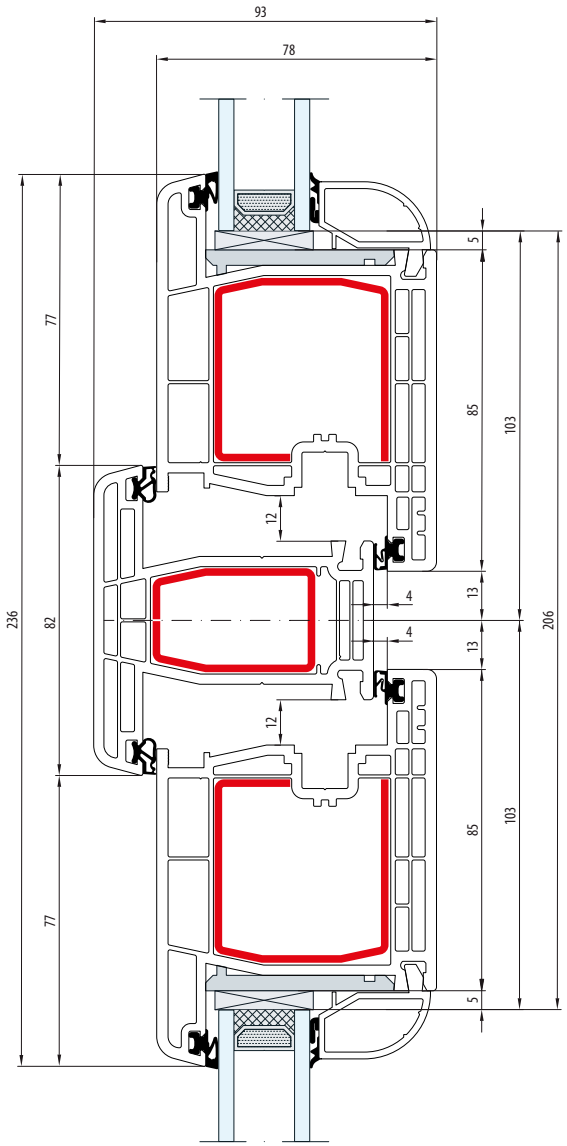

- Słupek stały: 82 mm · Skrzydło: 105 mm
- Meneau fixe: 82 mm · Vantail: 105 mm
- Fix post: 82 mm · Sash: 105 mm
- Festem Pfahl: 82 mm · Flügel: 105 mm
- Montante fisso: 82 mm · Anta: 105 mm
- Vaste stijl: 82 mm · Vleugel: 105 mm



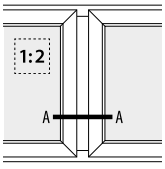


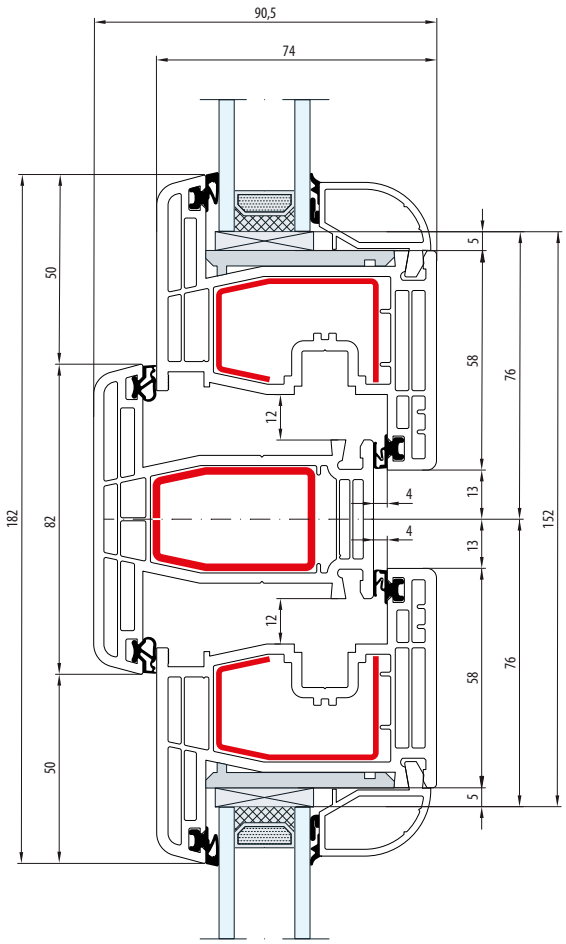

- Słupek stały: 82 mm · Skrzydło: 70 mm
- Meneau fixe: 82 mm · Vantail: 70 mm
- Fix post: 82 mm · Sash: 70 mm
- Festem Pfahl: 82 mm · Flügel: 70 mm
- Montante fisso: 82 mm · Anta: 70 mm
- Vaste stijl: 82 mm · Vleugel: 70 mm



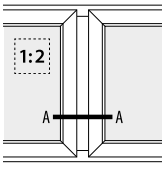


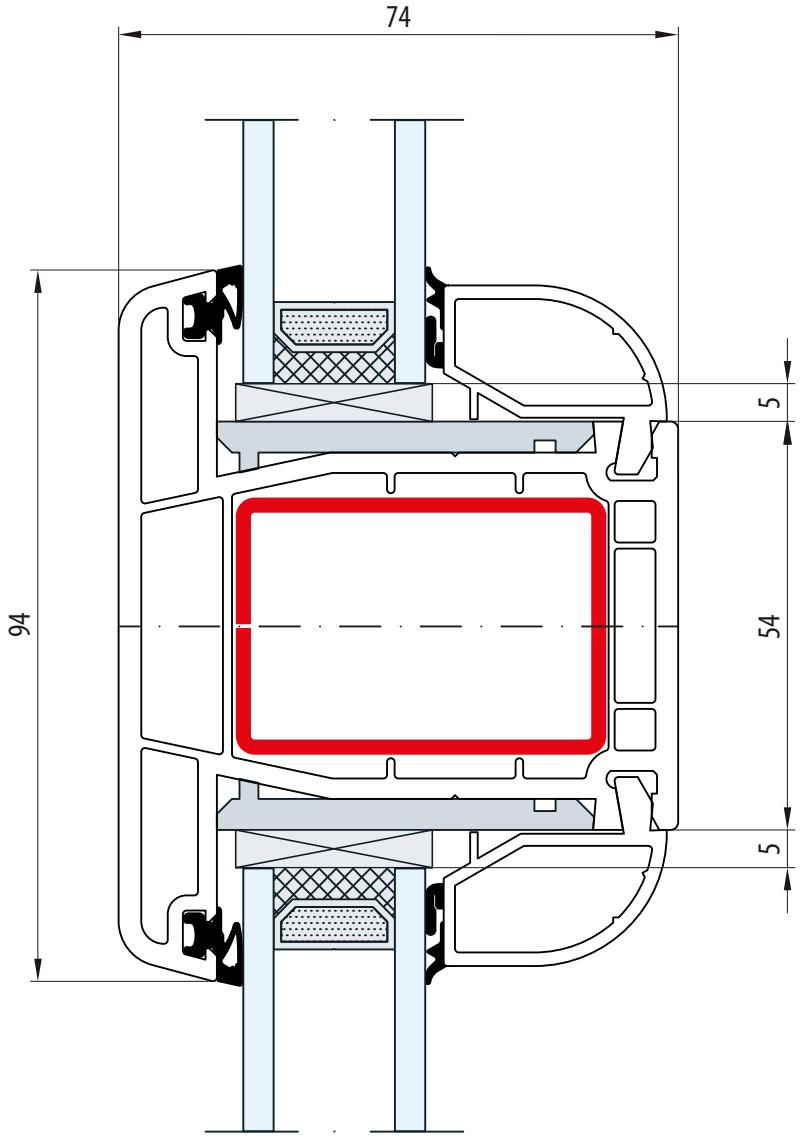

- Słupek stały: 82 mm · Skrzydło: 105 mm
- Meneau fixe: 82 mm · Vantail: 105 mm
- Fix post: 82 mm · Sash: 105 mm
- Festem Pfahl: 82 mm · Flügel: 105 mm
- Montante fisso: 82 mm · Anta: 105 mm
- Vaste stijl: 82 mm · Vleugel: 105 mm



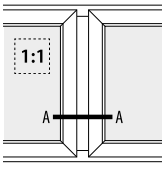


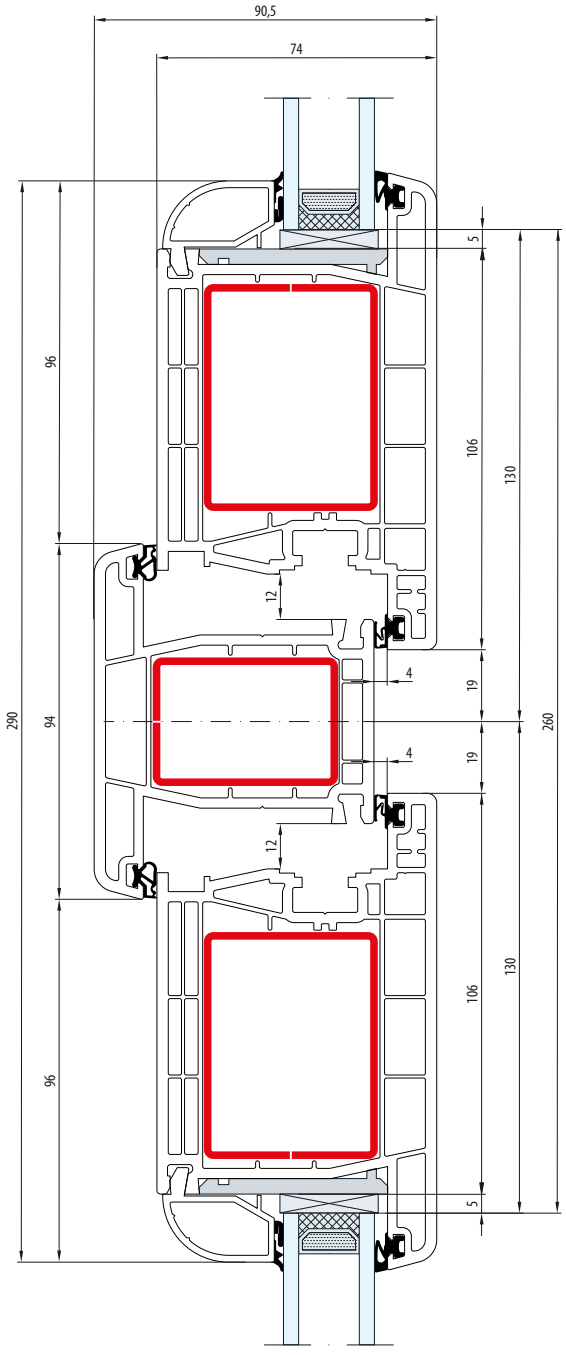

- Słupek stały: 82 mm · Skrzydło: 78 mm
- Meneau fixe: 82 mm · Vantail: 78 mm
- Fix post: 82 mm · Sash: 78 mm
- Festem Pfahl: 82 mm · Flügel: 78 mm
- Montante fisso: 82 mm · Anta: 78 mm
- Vaste stijl: 82 mm · Vleugel: 78 mm



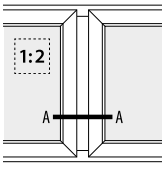


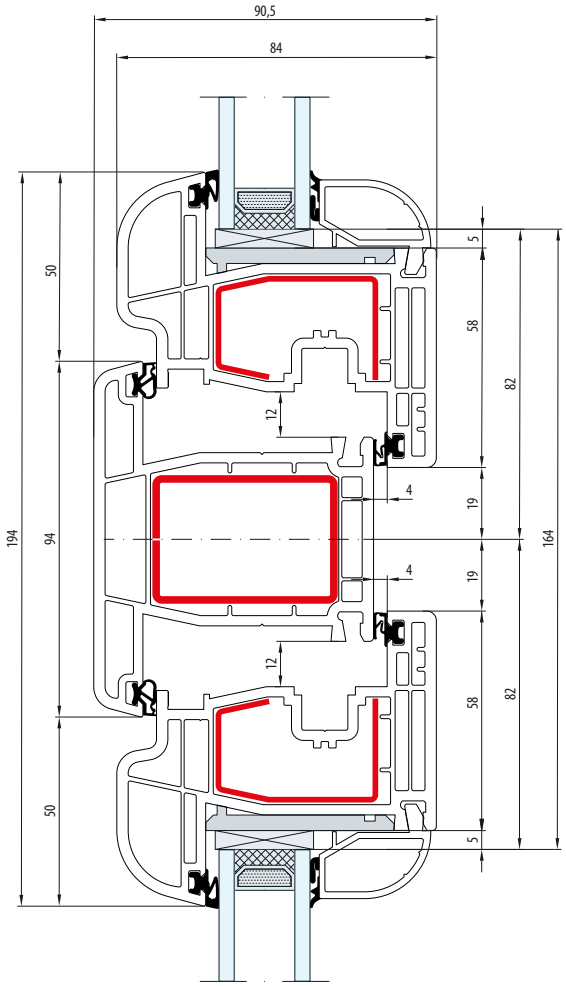

- Słupek stały: 94 mm
- Meneau fixe: 94 mm
- Fix post: 94 mm
- Festem Pfahl: 94 mm
- Montante fisso: 94 mm
- Vaste stijl: 94 mm



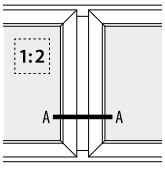


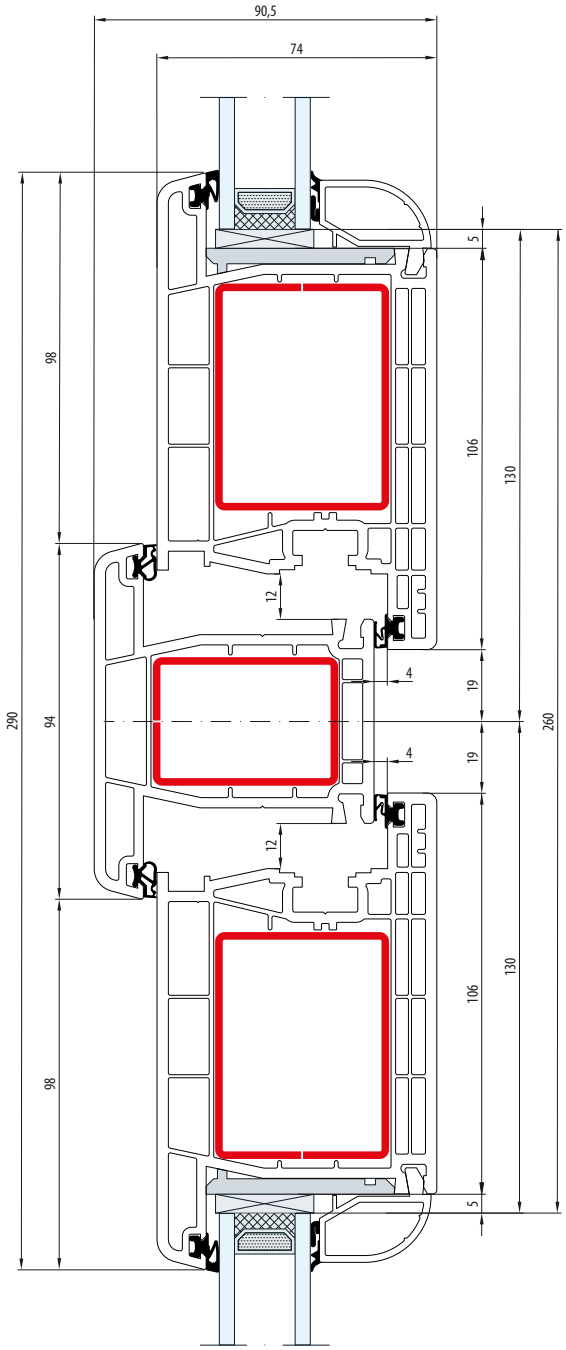

- Słupek stały: 94 mm · Skrzydło: 126 mm
- Meneau fixe: 94 mm · Vantail: 126 mm
- Fix post: 94 mm · Sash: 126 mm
- Festem Pfahl: 94 mm · Flügel: 126 mm
- Montante fisso: 94 mm · Anta: 126 mm
- Vaste stijl: 94 mm · Vleugel: 126 mm



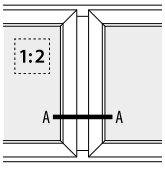


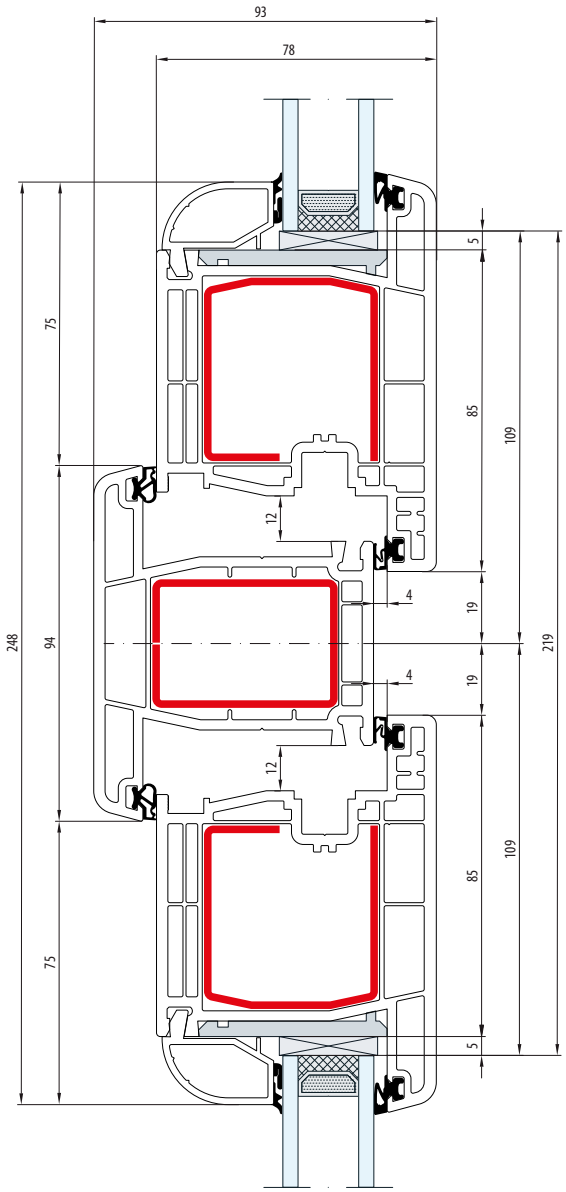

Słupek stały: 94 mm · Skrzydło: 78 mm
Meneau fixe: 94 mm · Vantail: 78 mm
Fix post: 94 mm · Sash: 78 mm
Festem Pfahl: 94 mm · Flügel: 78 mm
Montante fisso: 94 mm · Anta: 78 mm
Vaste stijl: 94 mm · Vleugel: 78 mm



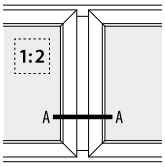


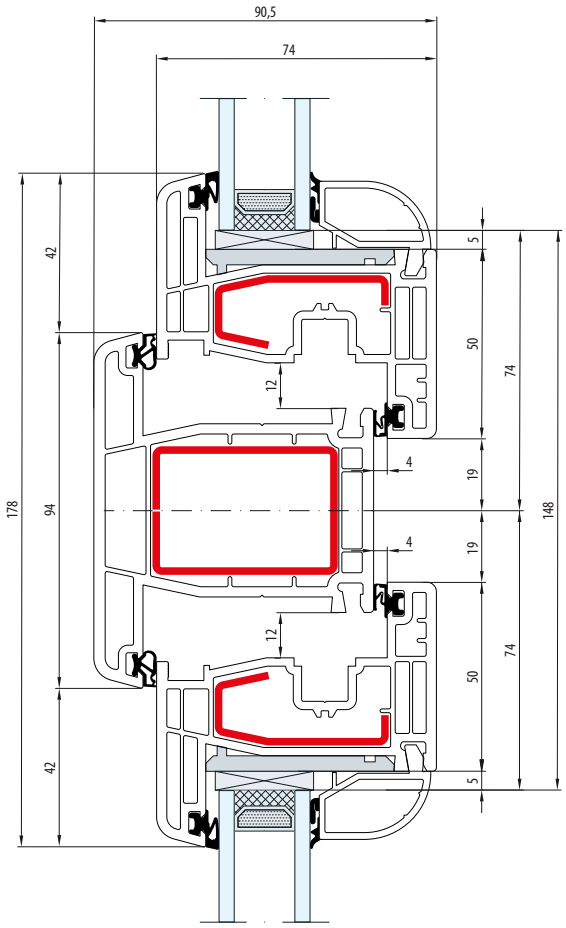

- Słupek stały: 94 mm · Skrzydło: 126 mm
- Meneau fixe: 94 mm · Vantail: 126 mm
- Fix post: 94 mm · Sash: 126 mm
- Festem Pfahl: 94 mm · Flügel: 126 mm
- Montante fisso: 94 mm · Anta: 126 mm
- Vaste stijl: 94 mm · Vleugel: 126 mm



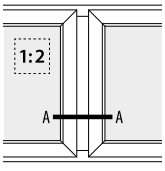


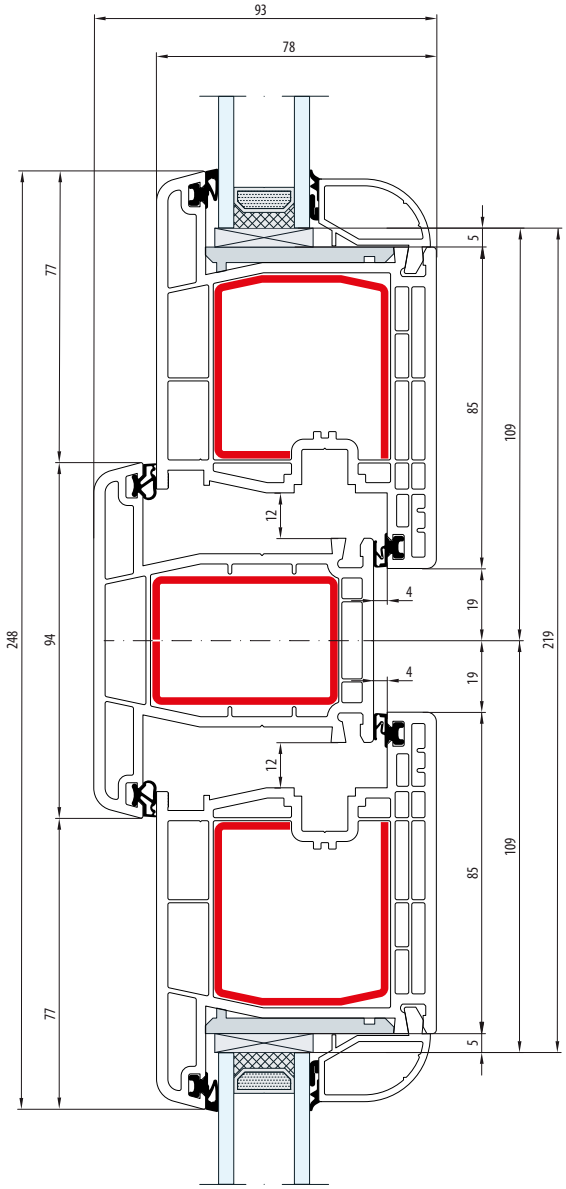

- Słupek stały: 94 mm · Skrzydło: 105 mm
- Meneau fixe: 94 mm · Vantail: 105 mm
- Fix post: 94 mm · Sash: 105 mm
- Festem Pfahl: 94 mm · Flügel: 105 mm
- Montante fisso: 94 mm · Anta: 105 mm
- Vaste stijl: 94 mm · Vleugel: 105 mm



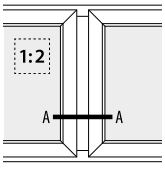


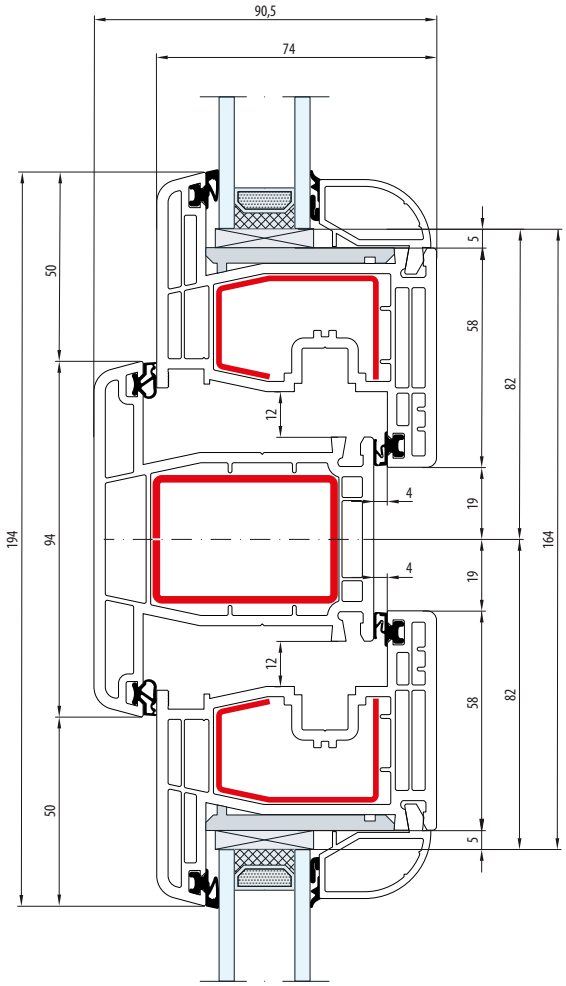

- Słupek stały: 94 mm · Skrzydło: 70 mm
- Meneau fixe: 94 mm · Vantail: 70 mm
- Fix post: 94 mm · Sash: 70 mm
- Festem Pfahl: 94 mm · Flügel: 70 mm
- Montante fisso: 94 mm · Anta: 70 mm
- Vaste stijl: 94 mm · Vleugel: 70 mm



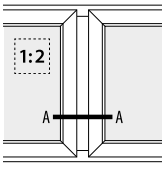


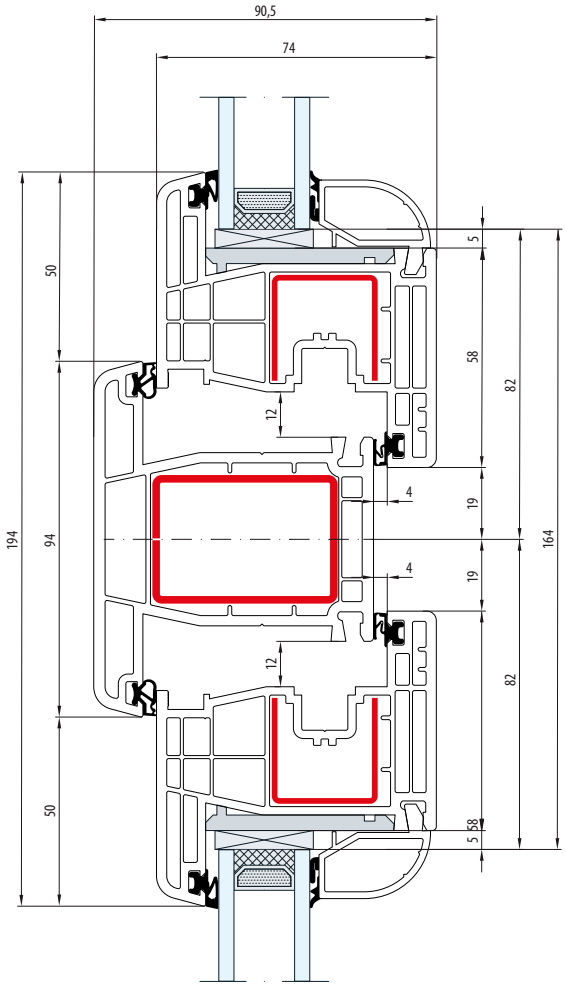

- Słupek stały: 94 mm · Skrzydło: 105 mm
- Meneau fixe: 94 mm · Vantail: 105 mm
- Fix post: 94 mm · Sash: 105 mm
- Festem Pfahl: 94 mm · Flügel: 105 mm
- Montante fisso: 94 mm · Anta: 105 mm
- Vaste stijl: 94 mm · Vleugel: 105 mm



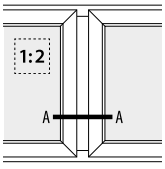


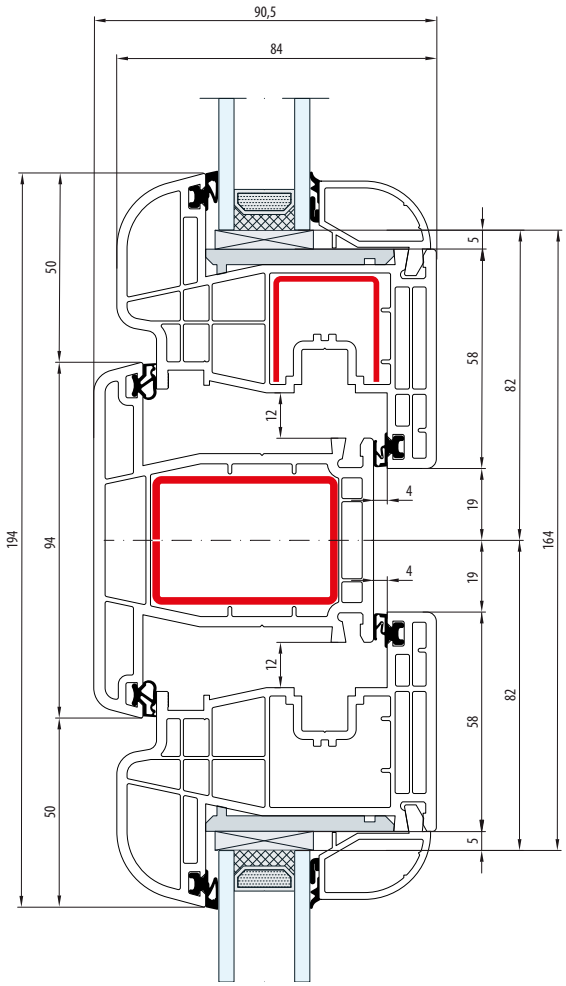

- Słupek stały: 94 mm · Skrzydło: 78 mm
- Meneau fixe: 94 mm · Vantail: 78 mm
- Fix post: 94 mm · Sash: 78 mm
- Festem Pfahl: 94 mm · Flügel: 78 mm
- Montante fisso: 94 mm · Anta: 78 mm
- Vaste stijl: 94 mm · Vleugel: 78 mm



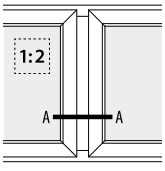


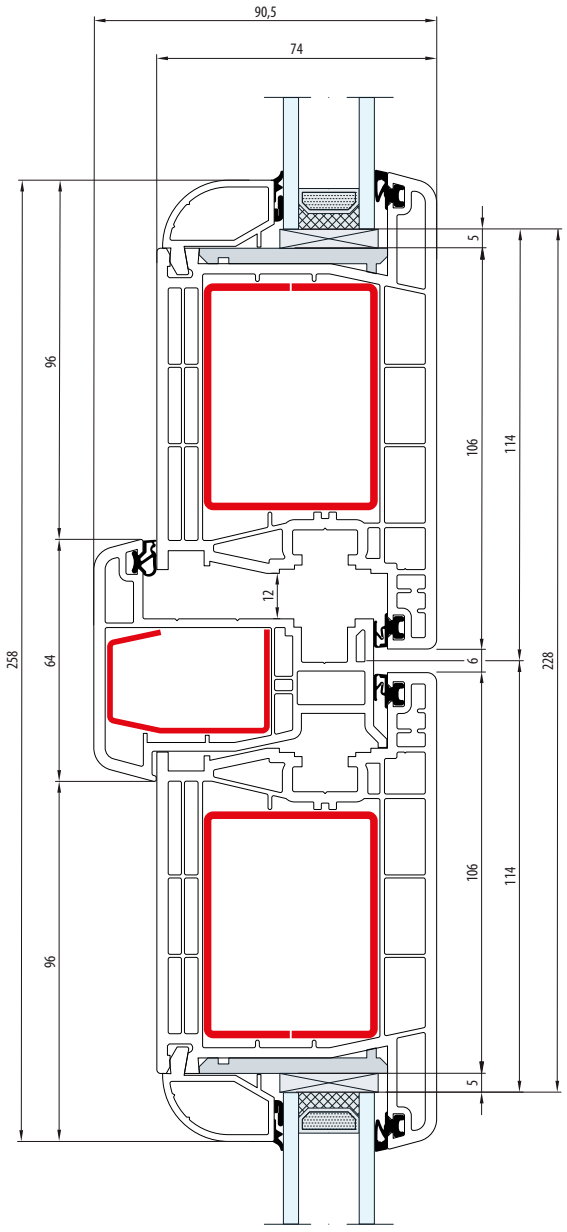

- Słupek stały: 94 mm · Skrzydło: 78 mm
- Meneau fixe: 94 mm · Vantail: 78 mm
- Fix post: 94 mm · Sash: 78 mm
- Festem Pfahl: 94 mm · Flügel: 78 mm
- Montante fisso: 94 mm · Anta: 78 mm
- Vaste stijl: 94 mm · Vleugel: 78 mm



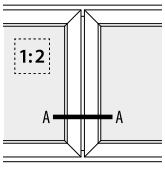


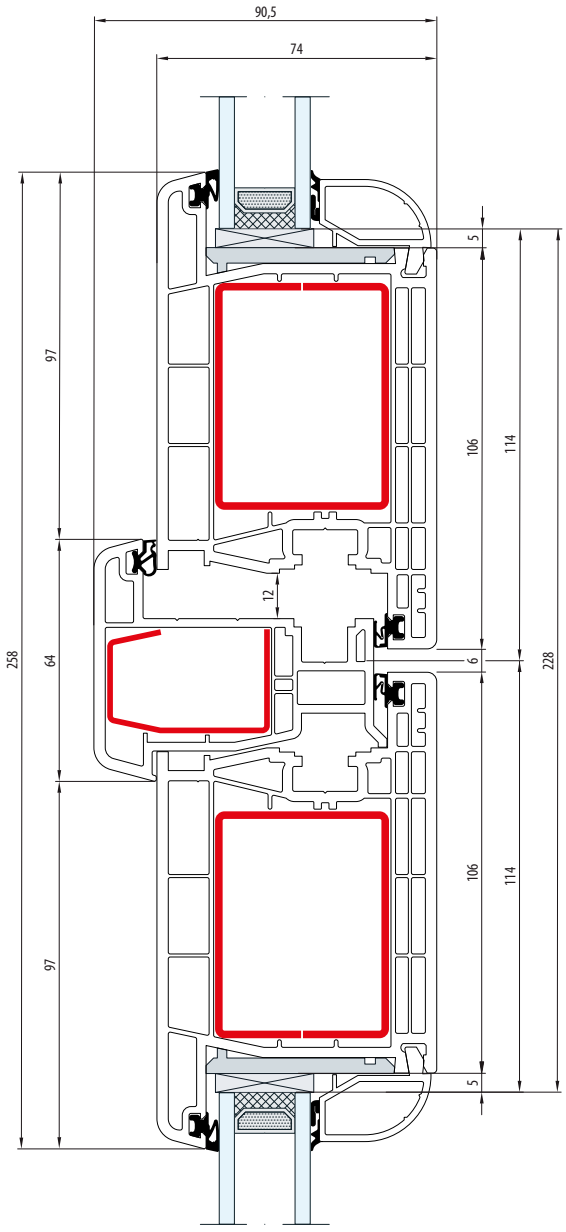

Słupek stały: 94 mm · Skrzydło: 78 mm
Meneau fixe: 94 mm · Vantail: 78 mm
Fix post: 94 mm · Sash: 78 mm
Festem Pfahl: 94 mm · Flügel: 78 mm
Montante fisso: 94 mm · Anta: 78 mm
Vaste stijl: 94 mm · Vleugel: 78 mm



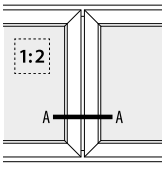


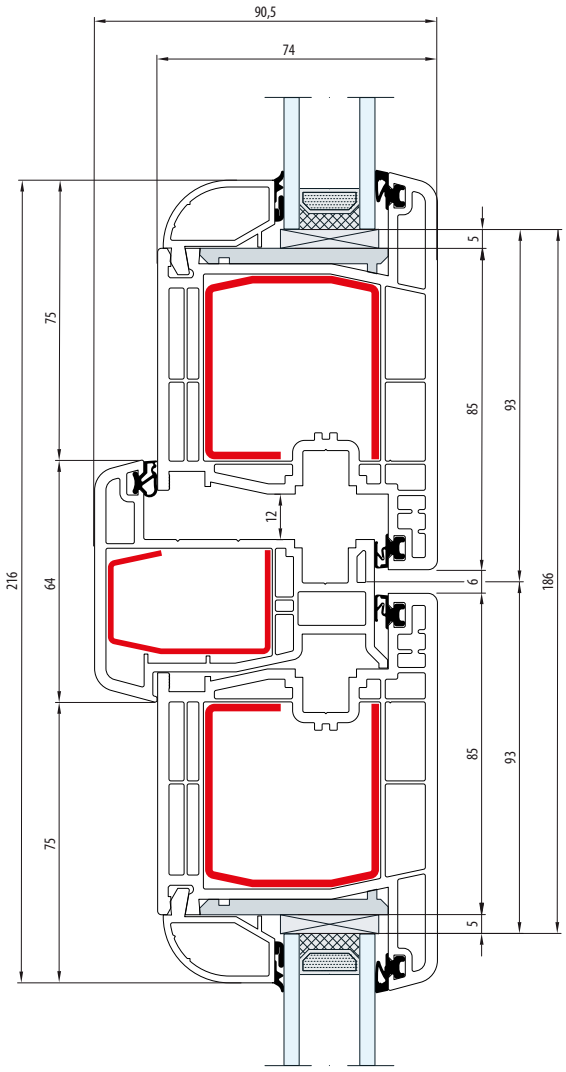

- Słupek ruchomy: 64 mm · Skrzydło: 126 mm
- Meneau mobile: 64 mm · Vantail: 126 mm
- Movable post: 64 mm · Sash: 126 mm
- Stulp: 64 mm · Flügel: 126 mm
- Montante mobile: 64 mm · Anta: 126 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 126 mm



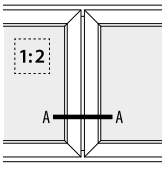


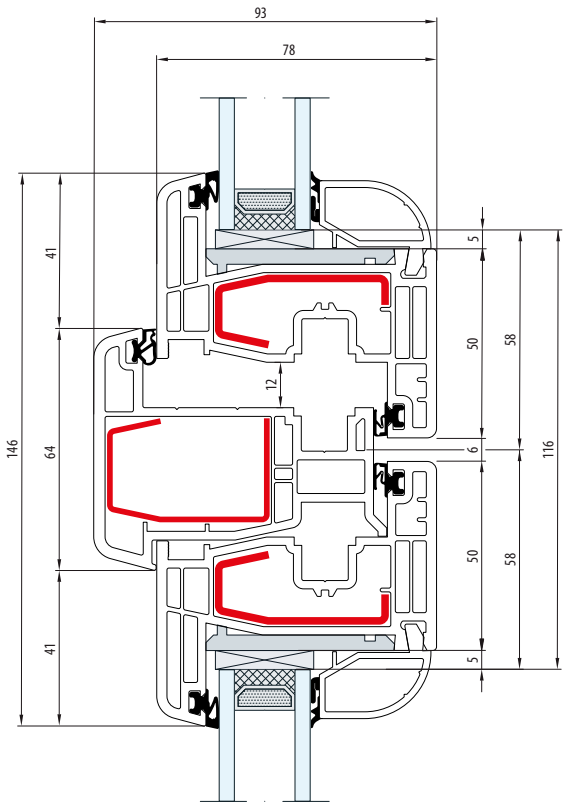

- Słupek ruchomy: 64 mm · Skrzydło: 126 mm
- Meneau mobile: 64 mm · Vantail: 126 mm
- Movable post: 64 mm · Sash: 126 mm
- Stulp: 64 mm · Flügel: 126 mm
- Montante mobile: 64 mm · Anta: 126 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 126 mm



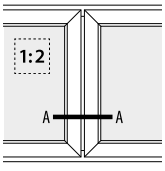


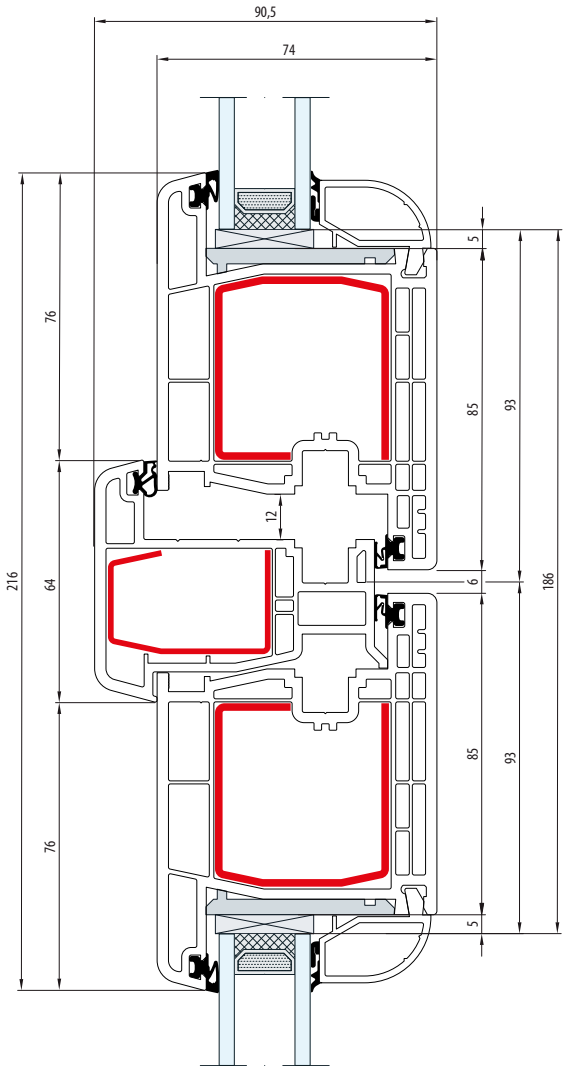

Słupek ruchomy: 64 mm · Skrzydło: 105 mm
Meneau mobile: 64 mm · Vantail: 105 mm
Movable post: 64 mm · Sash: 105 mm
Stulp: 64 mm · Flügel: 105 mm
Montante mobile: 64 mm · Anta: 105 mm
Verplaatsbare stijl: 64 mm · Vleugel: 105 mm



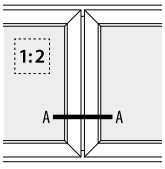


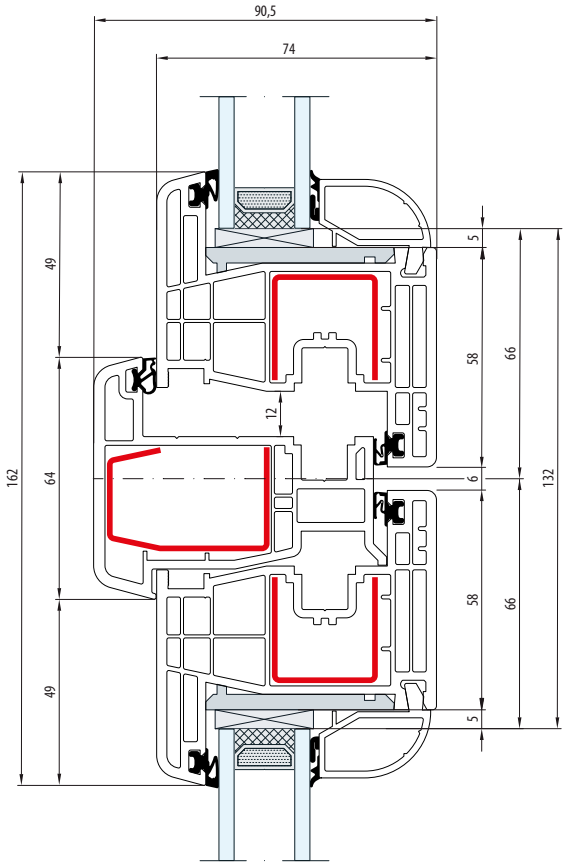

Słupek ruchomy: 64 mm · Skrzydło: 70 mm
Meneau mobile: 64 mm · Vantail: 70 mm
Movable post: 64 mm · Sash: 70 mm
Stulp: 64 mm · Flügel: 70 mm
Montante mobile: 64 mm · Anta: 70 mm
Verplaatsbare stijl: 64 mm · Vleugel: 70 mm



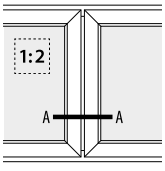


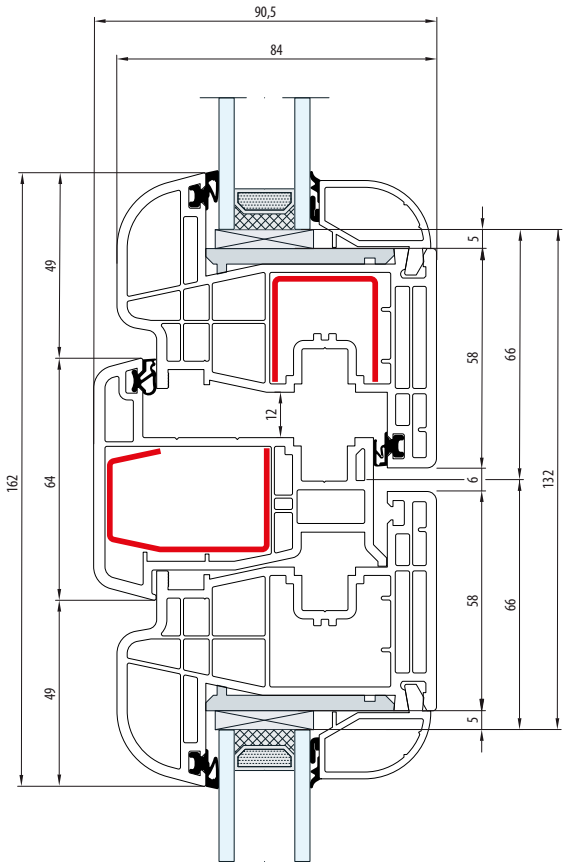

Słupek ruchomy: 64 mm · Skrzydło: 105 mm
Meneau mobile: 64 mm · Vantail: 105 mm
Movable post: 64 mm · Sash: 105 mm
Stulp: 64 mm · Flügel: 105 mm
Montante mobile: 64 mm · Anta: 105 mm
Verplaatsbare stijl: 64 mm · Vleugel: 105 mm



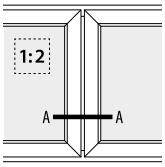


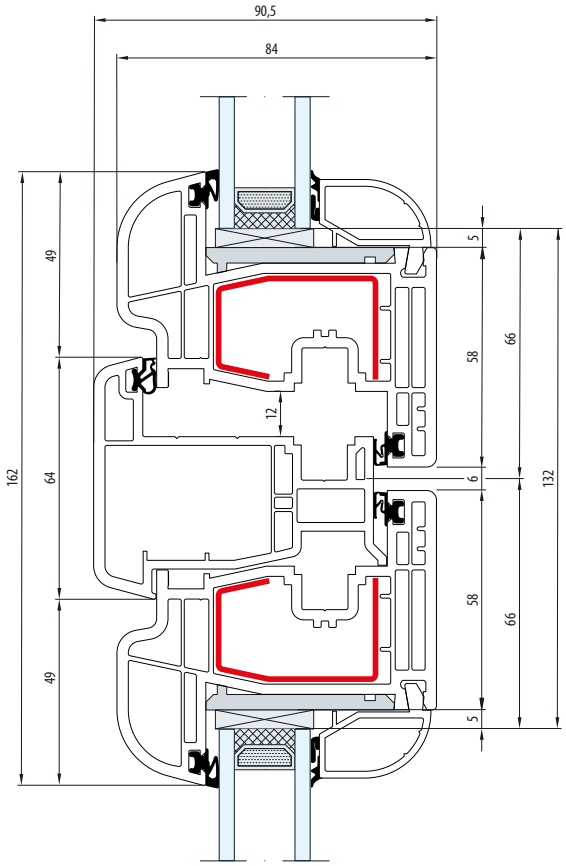

- Słupek ruchomy: 64 mm · Skrzydło: 78 mm
- Meneau mobile: 64 mm · Vantail: 78 mm
- Movable post: 64 mm · Sash: 78 mm
- Stulp: 64 mm · Flügel: 78 mm
- Montante mobile: 64 mm · Anta: 78 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 78 mm



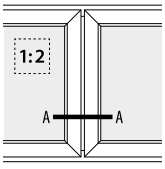


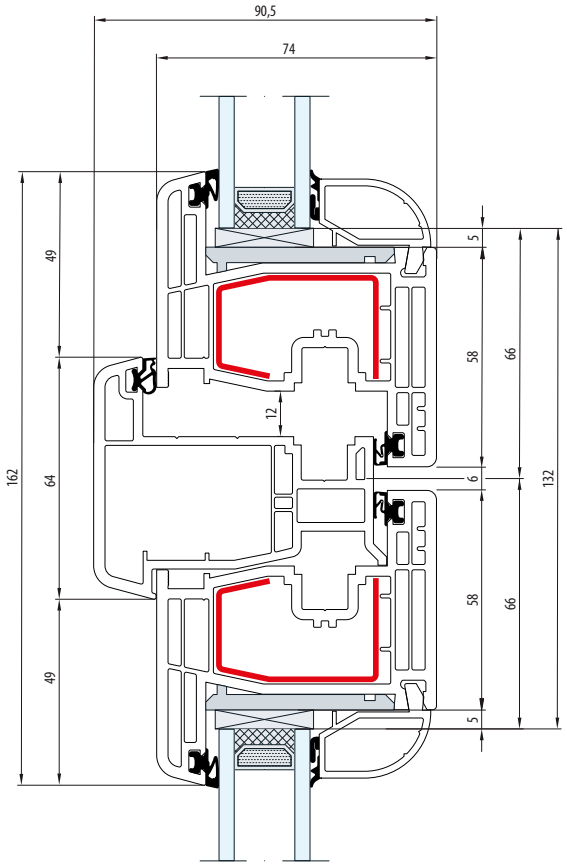

Słupek ruchomy: 64 mm · Skrzydło: 78 mm
Meneau mobile: 64 mm · Vantail: 78 mm
Movable post: 64 mm · Sash: 78 mm
Stulp: 64 mm · Flügel: 78 mm
Montante mobile: 64 mm · Anta: 78 mm
Verplaatsbare stijl: 64 mm · Vleugel: 78 mm



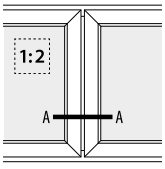


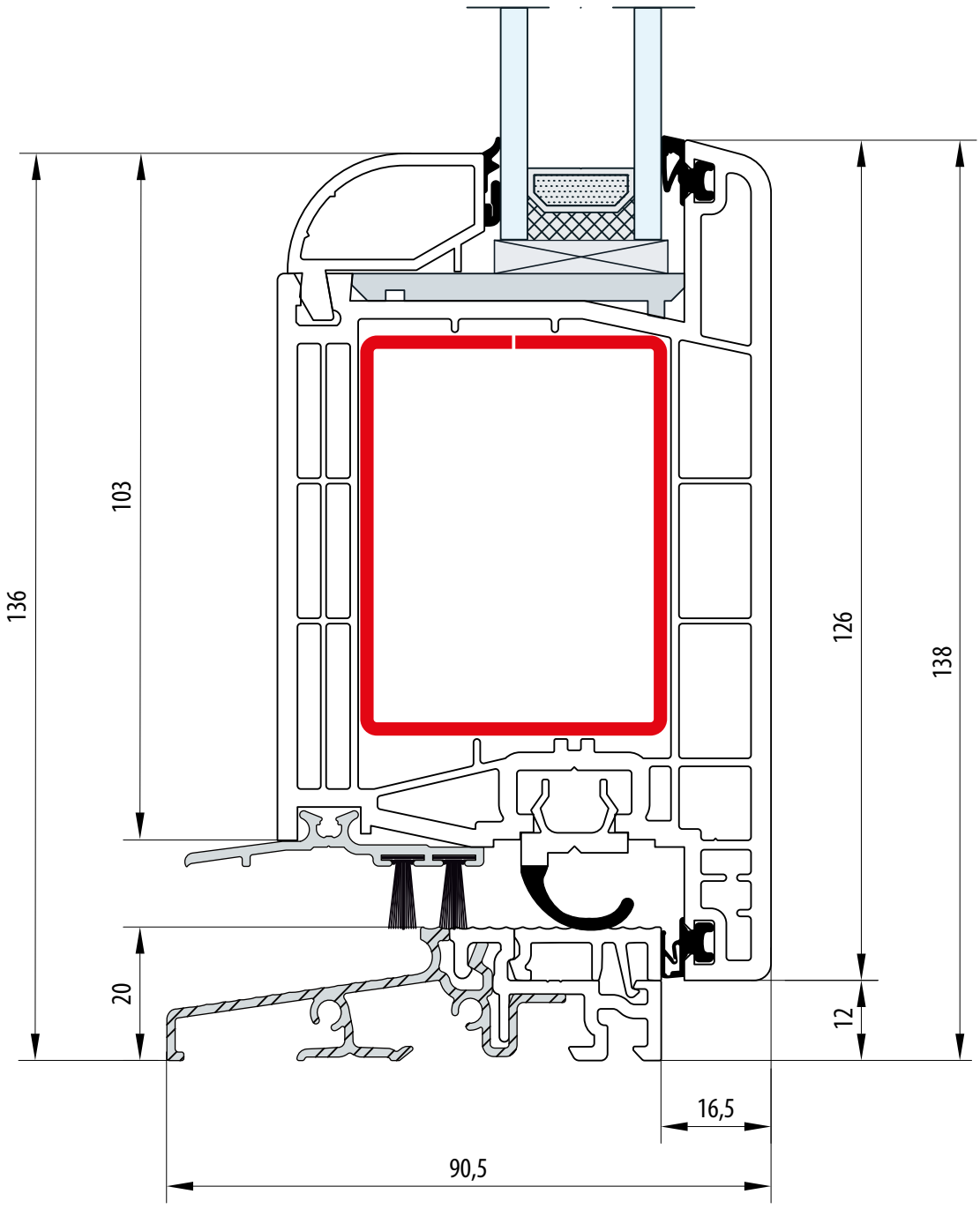

- Słupek ruchomy: 64 mm · Skrzydło: 78 mm
- Meneau mobile: 64 mm · Vantail: 78 mm
- Movable post: 64 mm · Sash: 78 mm
- Stulp: 64 mm · Flügel: 78 mm
- Montante mobile: 64 mm · Anta: 78 mm
- Verplaatsbare stijl: 64 mm · Vleugel: 78 mm



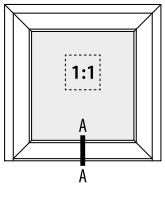


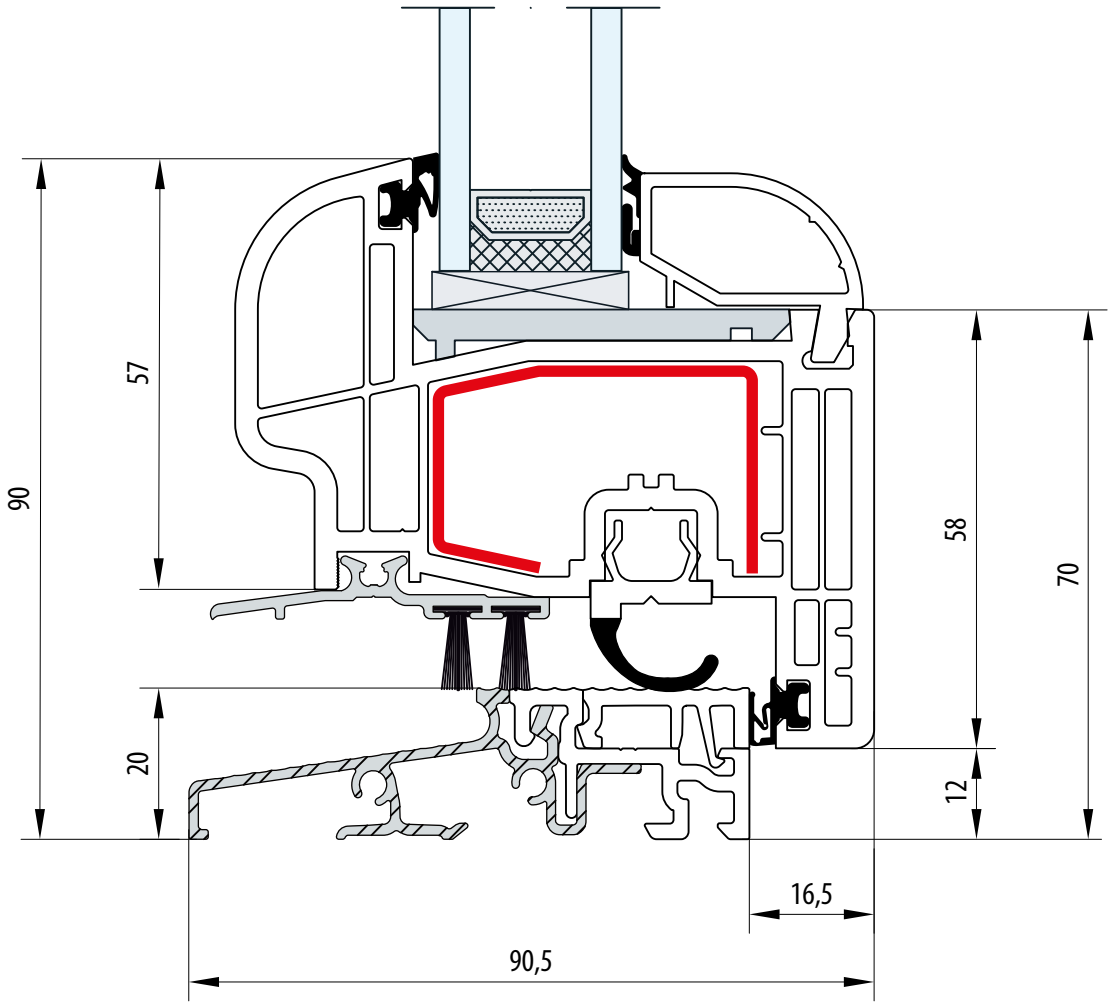

Słupek ruchomy: 64 mm · Skrzydło: 78 mm
Meneau mobile: 64 mm · Vantail: 78 mm
Movable post: 64 mm · Sash: 78 mm
Stulp: 64 mm · Flügel: 78 mm
Montante mobile: 64 mm · Anta: 78 mm
Verplaatsbare stijl: 64 mm · Vleugel: 78 mm



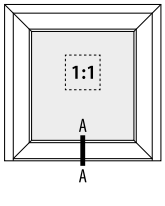


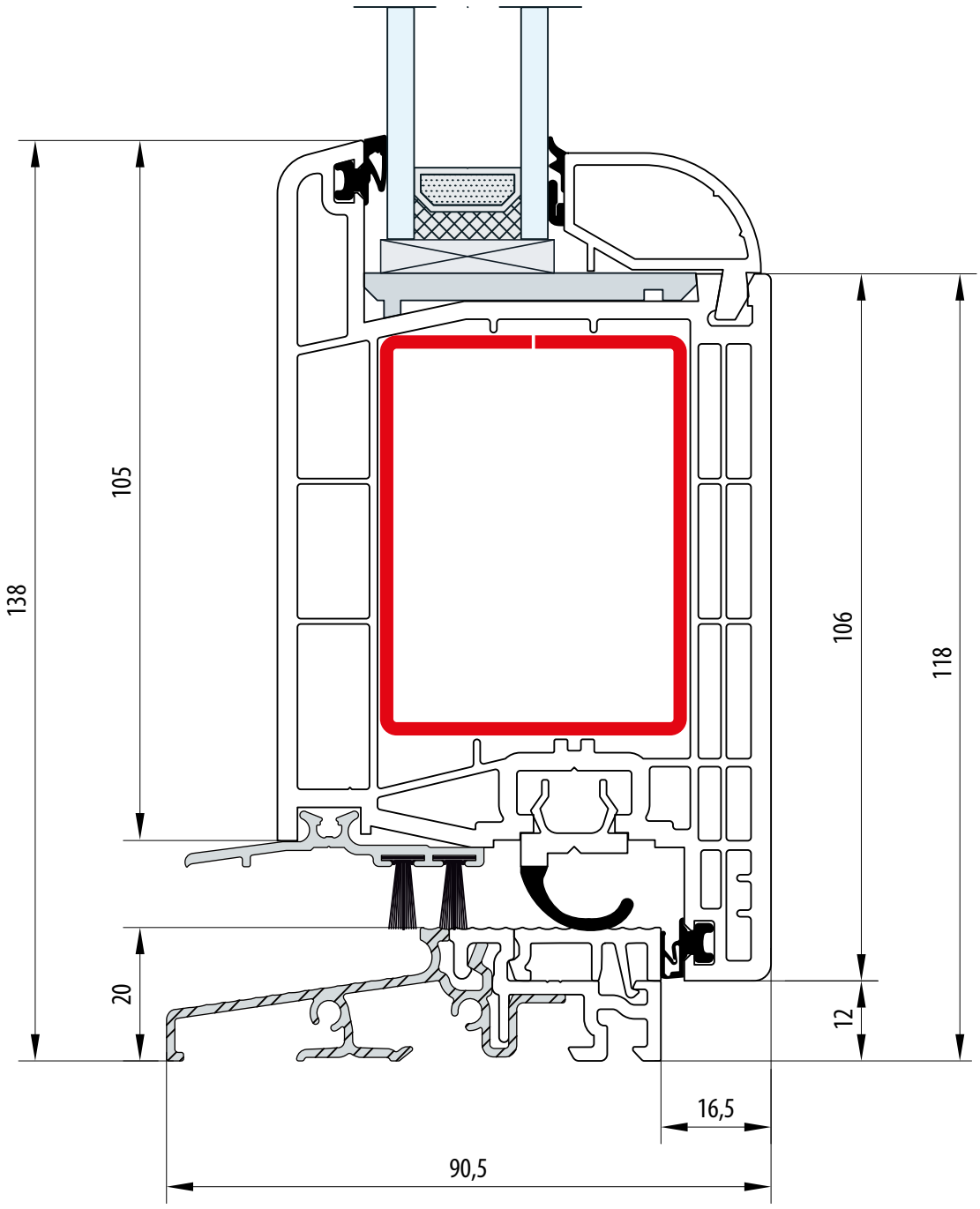

- Próg: 20 mm · Skrzydło: 126 mm
- Seuil: 20 mm · Vantail: 126 mm
- Threshold: 20 mm · Sash: 126 mm
- Schwelle: 20 mm · Flügel: 126 mm
- Soglia: 20 mm · Anta: 126 mm
- Dorpel: 20 mm · Vleugel: 126 mm



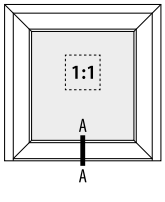


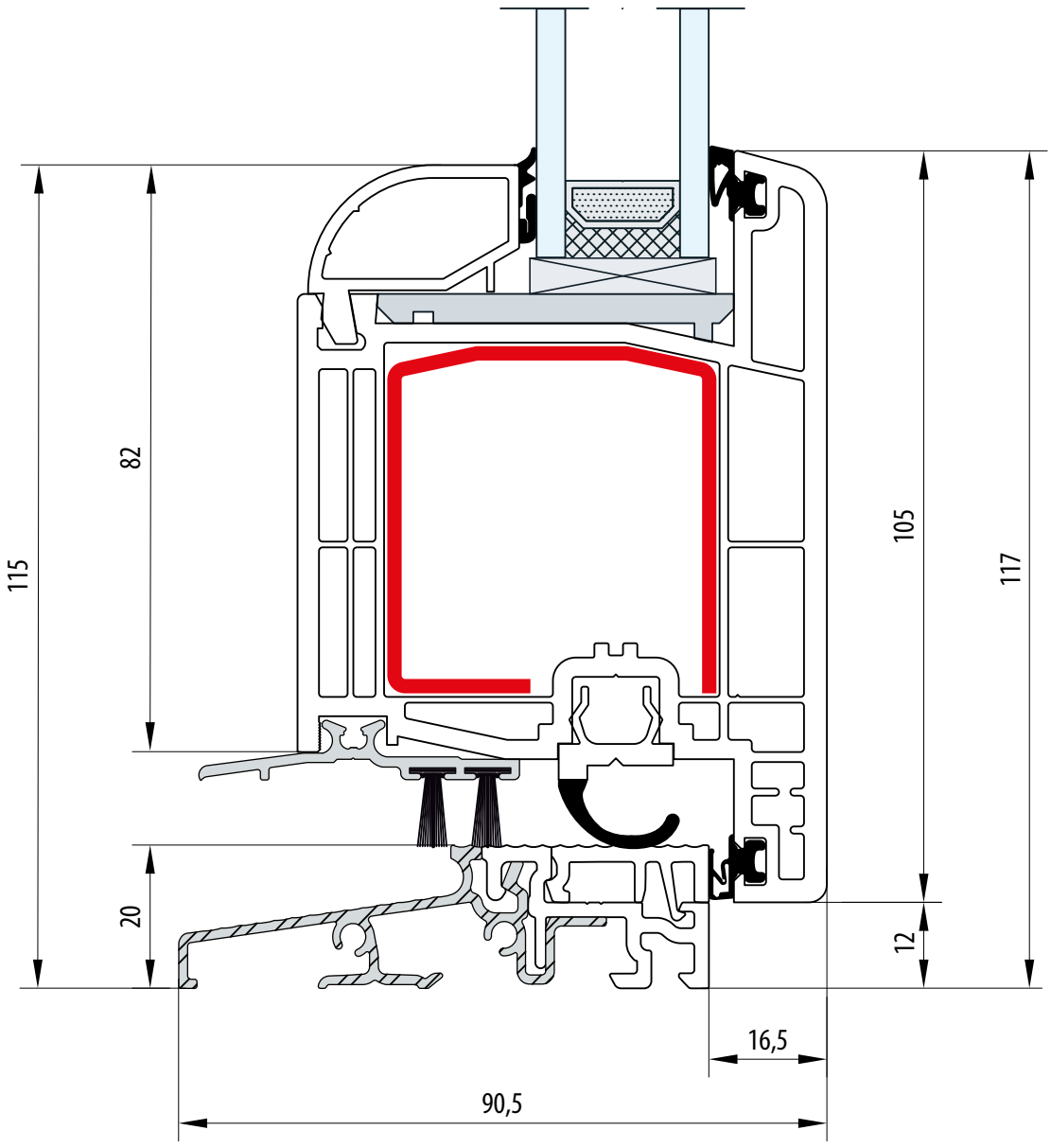

Próg: 20 mm · Skrzydło: 78 mm
Seuil: 20 mm · Vantail: 78 mm
Threshold: 20 mm · Sash: 78 mm
Schwelle: 20 mm · Flügel: 78 mm
Soglia: 20 mm · Anta: 78 mm
Dorpel: 20 mm · Vleugel: 78 mm



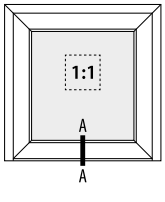


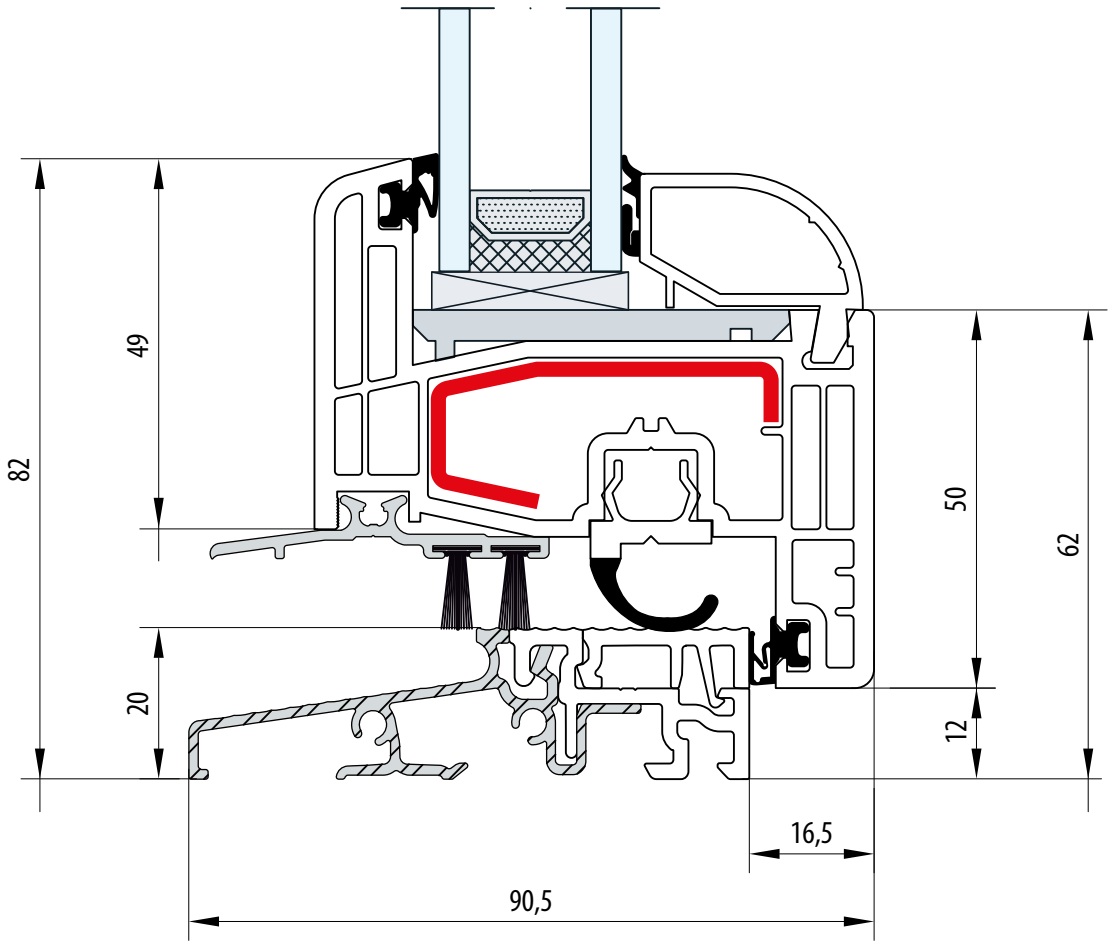

Próg: 20 mm · Skrzydło: 126 mm
Seuil: 20 mm · Vantail: 126 mm
Threshold: 20 mm · Sash: 126 mm
Schwelle: 20 mm · Flügel: 126 mm
Soglia: 20 mm · Anta: 126 mm
Dorpel: 20 mm · Vleugel: 126 mm



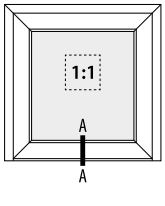


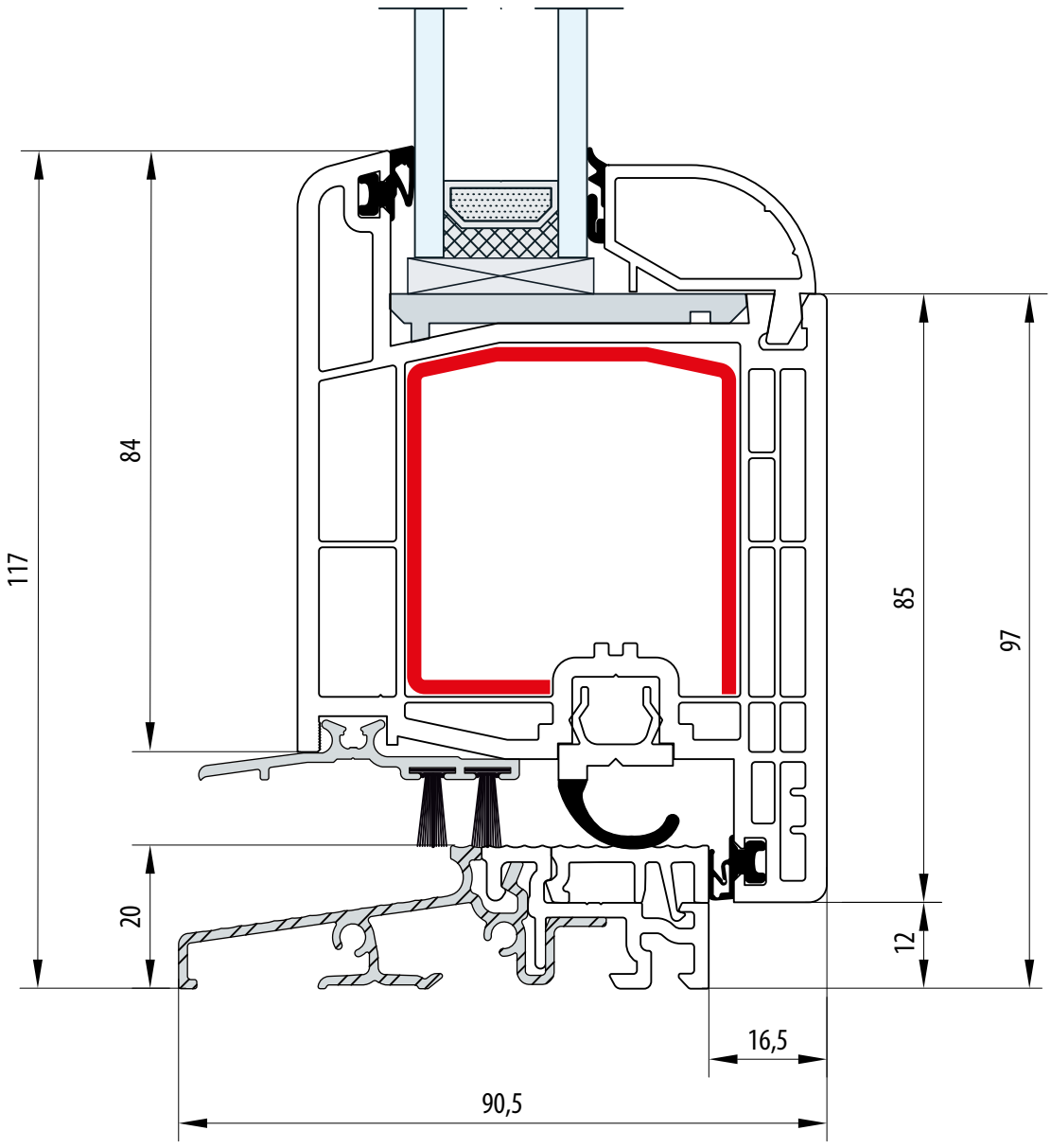

- Próg: 20 mm · Skrzydło: 105 mm
- Seuil: 20 mm · Vantail: 105 mm
- Threshold: 20 mm · Sash: 105 mm
- Schwelle: 20 mm · Flügel: 105 mm
- Soglia: 20 mm · Anta: 105 mm
- Dorpel: 20 mm · Vleugel: 105 mm



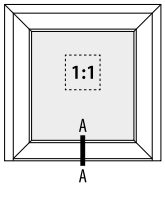


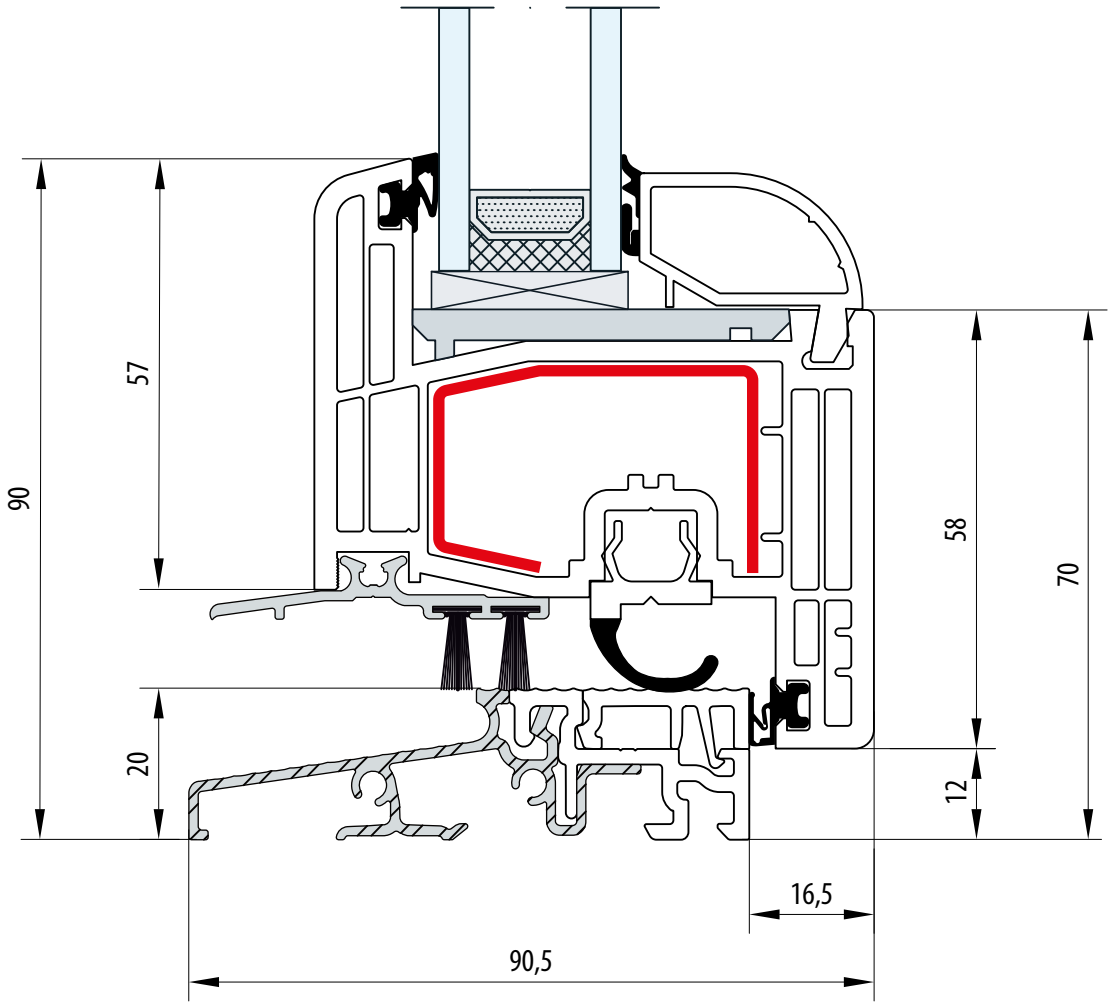

- Próg: 20 mm · Skrzydło: 70 mm
- Seuil: 20 mm · Vantail: 70 mm
- Threshold: 20 mm · Sash: 70 mm
- Schwelle: 20 mm · Flügel: 70 mm
- Soglia: 20 mm · Anta: 70 mm
- Dorpel: 20 mm · Vleugel: 70 mm



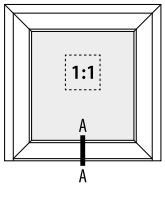


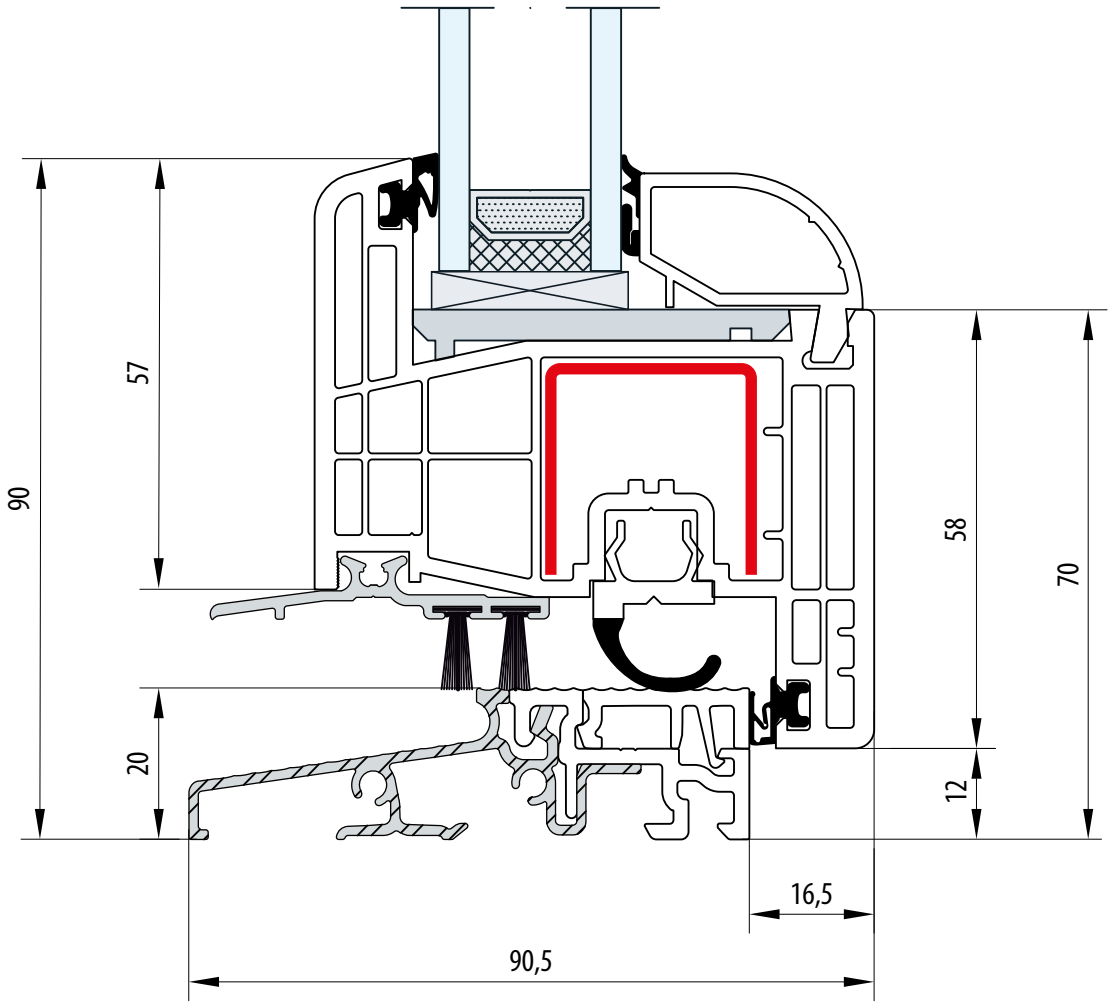

Próg: 20 mm · Skrzydło: 105 mm
Seuil: 20 mm · Vantail: 105 mm
Threshold: 20 mm · Sash: 105 mm
Schwelle: 20 mm · Flügel: 105 mm
Soglia: 20 mm · Anta: 105 mm
Dorpel: 20 mm · Vleugel: 105 mm



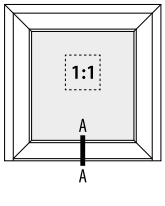


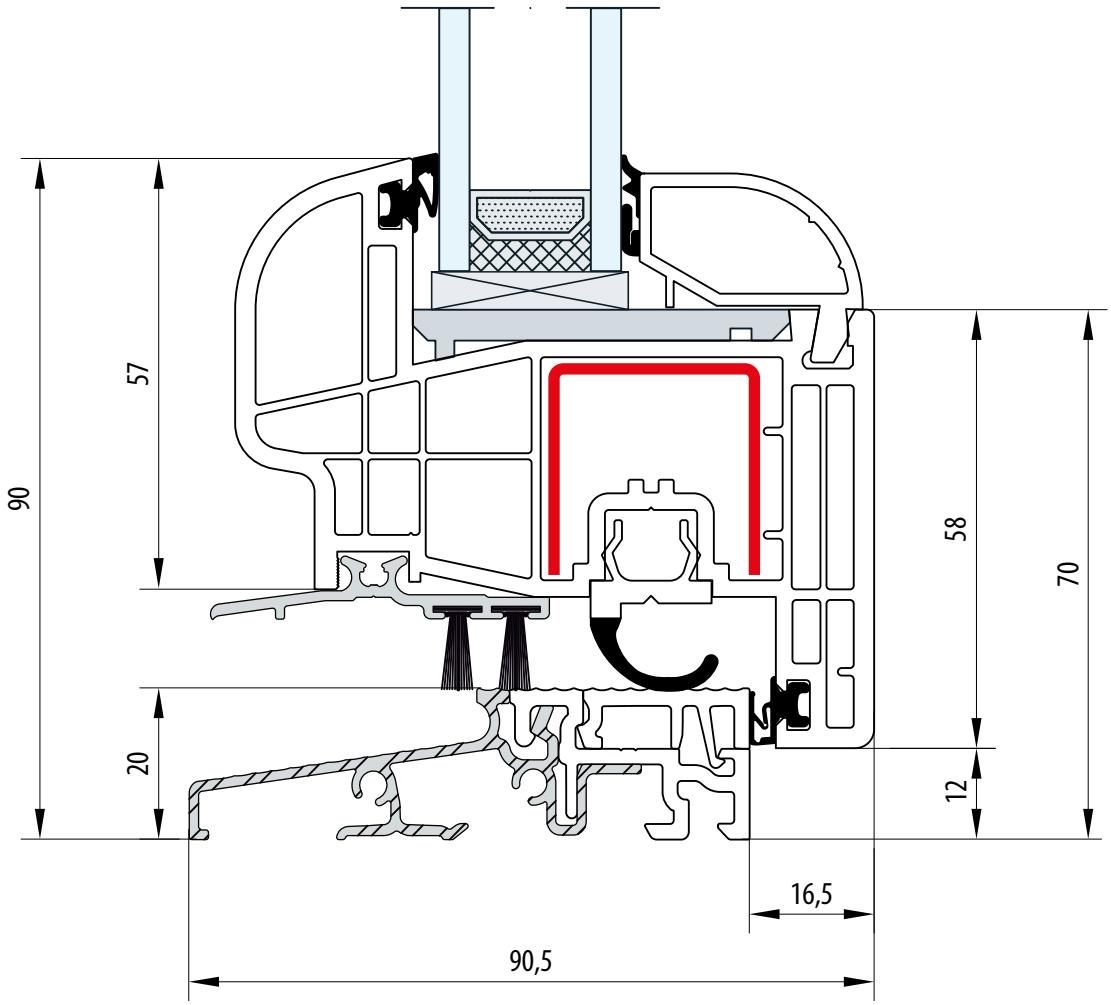

Próg: 20 mm · Skrzydło: 78 mm
Seuil: 20 mm · Vantail: 78 mm
Threshold: 20 mm · Sash: 78 mm
Schwelle: 20 mm · Flügel: 78 mm
Soglia: 20 mm · Anta: 78 mm
Dorpel: 20 mm · Vleugel: 78 mm



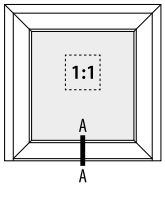



Próg: 20 mm · Skrzydło: 78 mm
Seuil: 20 mm · Vantail: 78 mm
Threshold: 20 mm · Sash: 78 mm
Schwelle: 20 mm · Flügel: 78 mm
Soglia: 20 mm · Anta: 78 mm
Dorpel: 20 mm · Vleugel: 78 mm



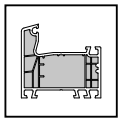



Próg: 20 mm · Skrzydło: 78 mm
Seuil: 20 mm · Vantail: 78 mm
Threshold: 20 mm · Sash: 78 mm
Schwelle: 20 mm · Flügel: 78 mm
Soglia: 20 mm · Anta: 78 mm
Dorpel: 20 mm · Vleugel: 78 mm

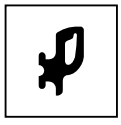


# S 9000

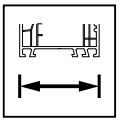




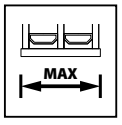
6



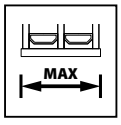
3



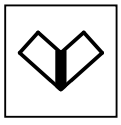
82,5




⌀ 52

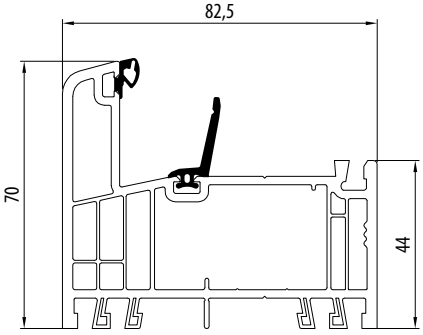



STV 54

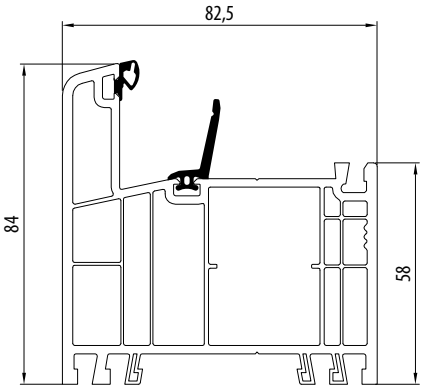


V-PERFECT

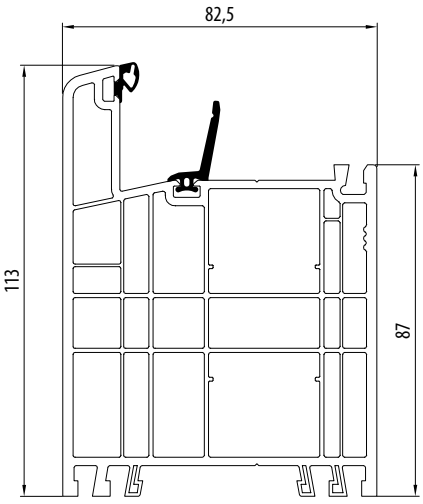




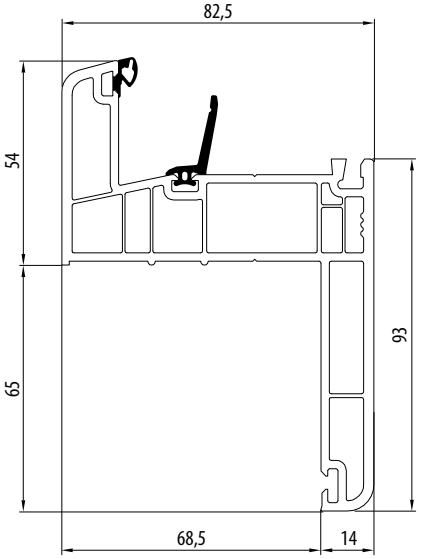

CL 6002



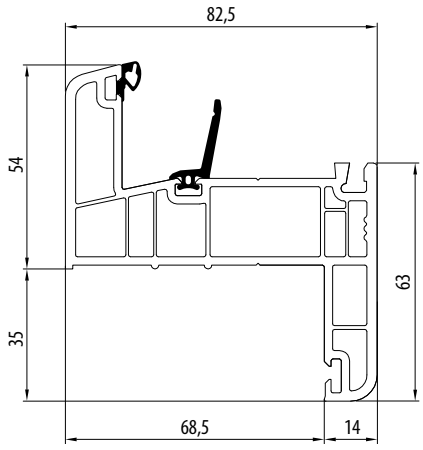

CL 6016



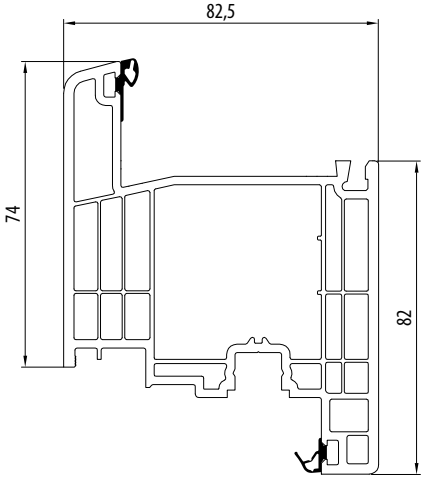

CL 6036



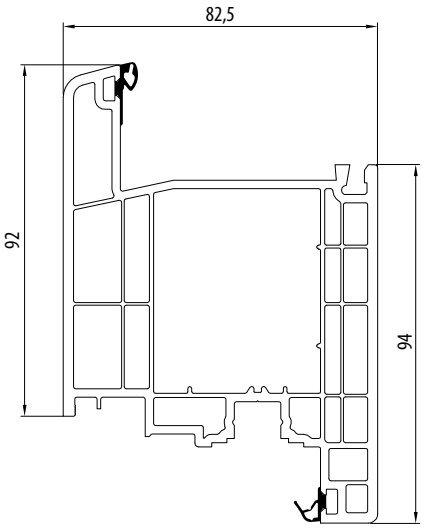

CL 6032



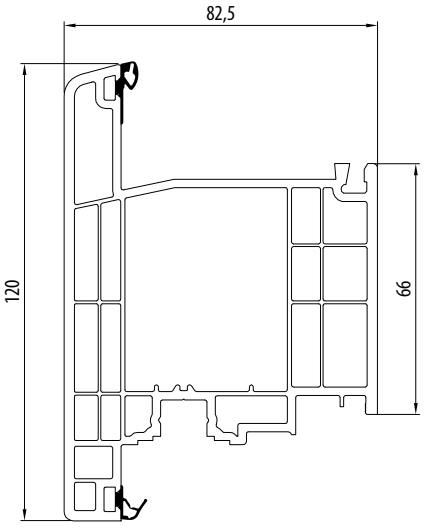

CL 6048




CL 6017

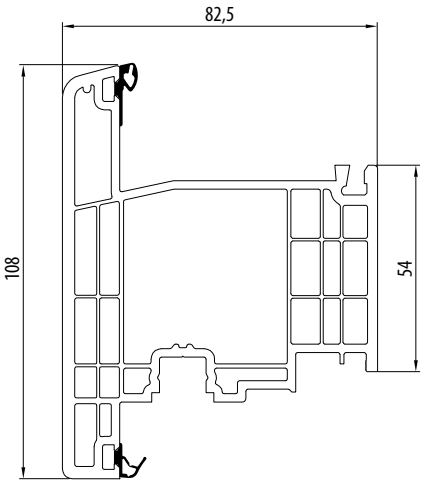



CL 6025

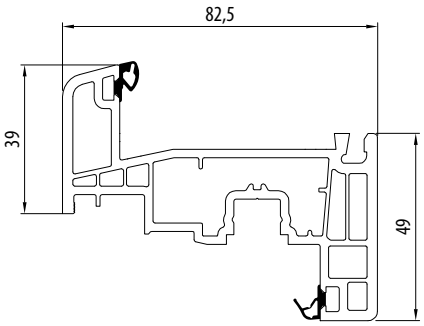



CL 6027

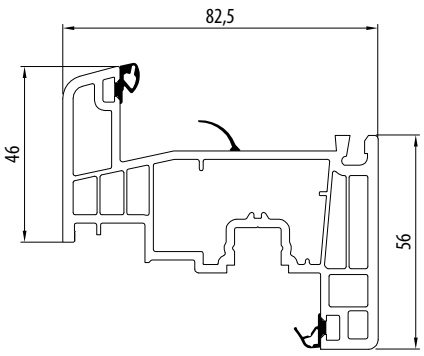
1:2



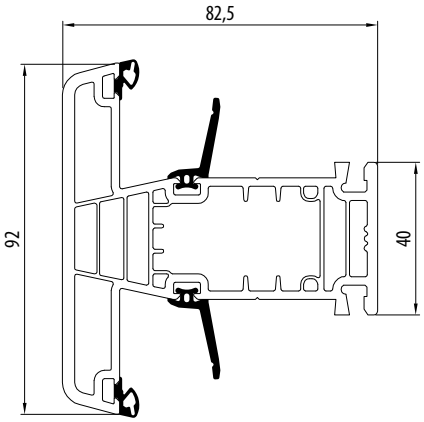

6033



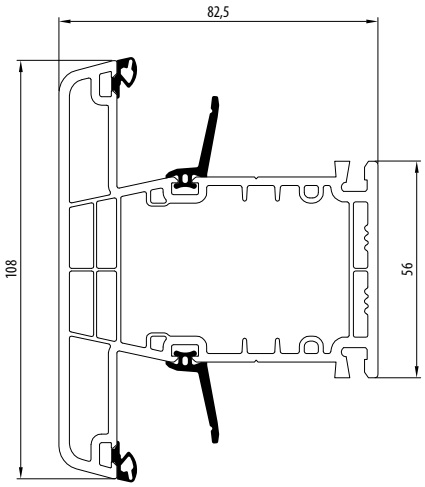

6055



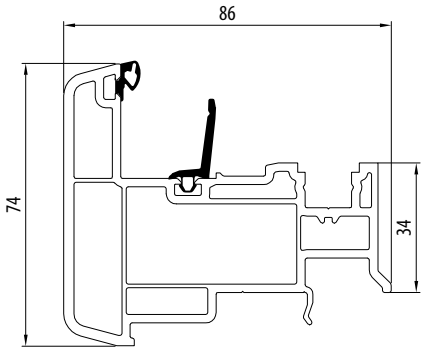

6079



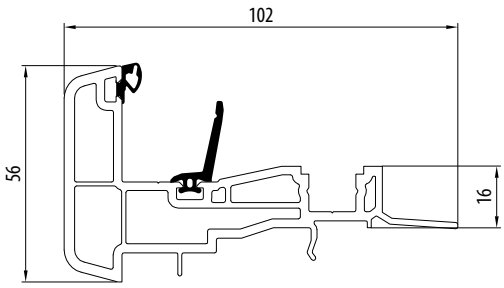

6050



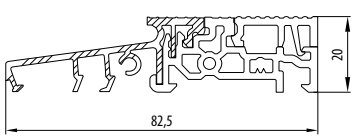

6054




6012

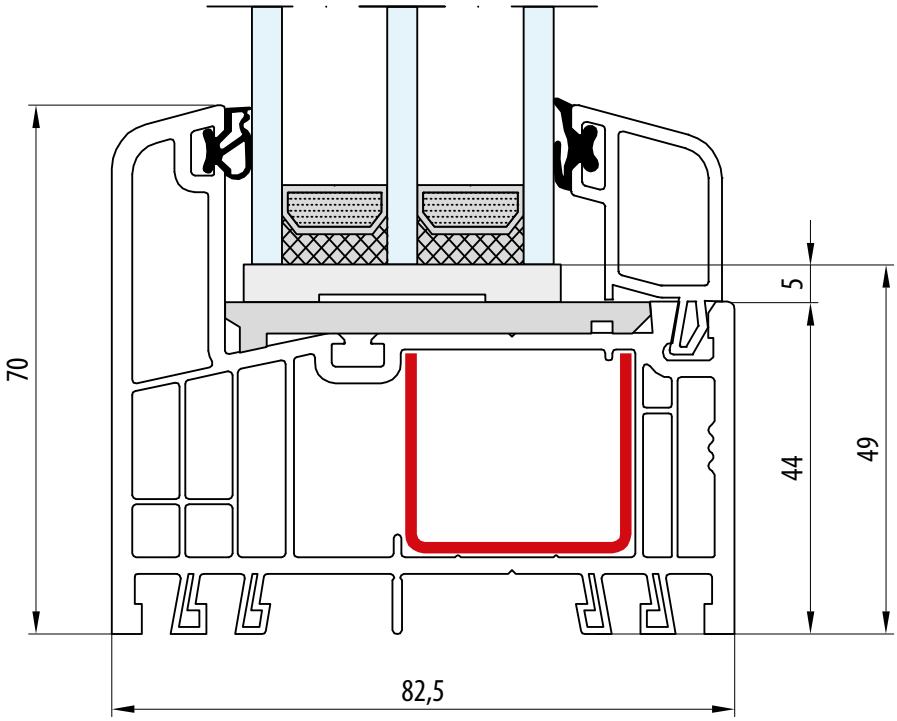



6020

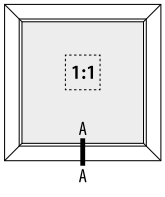


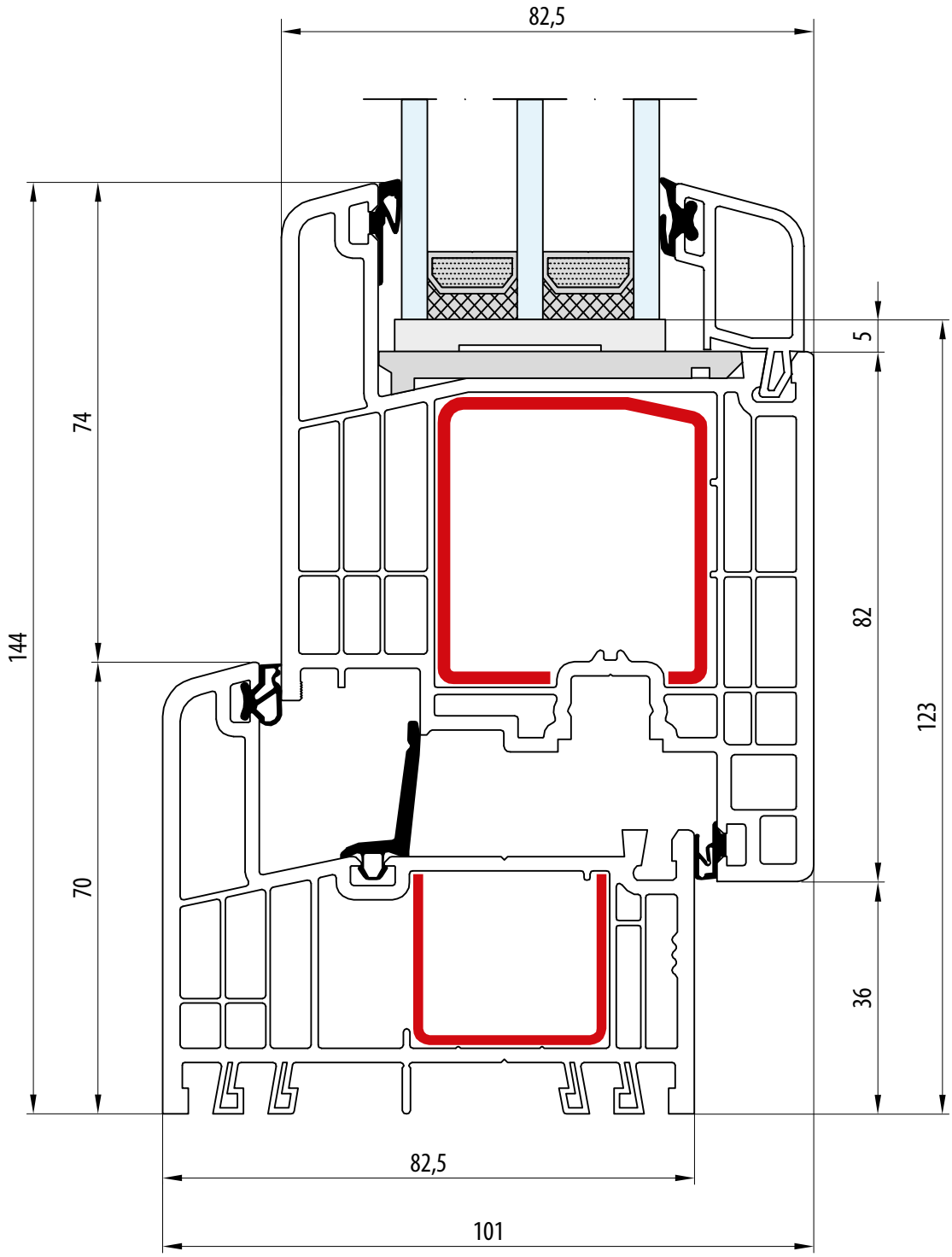

alu - 20 mm

1:2

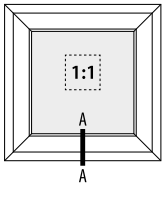


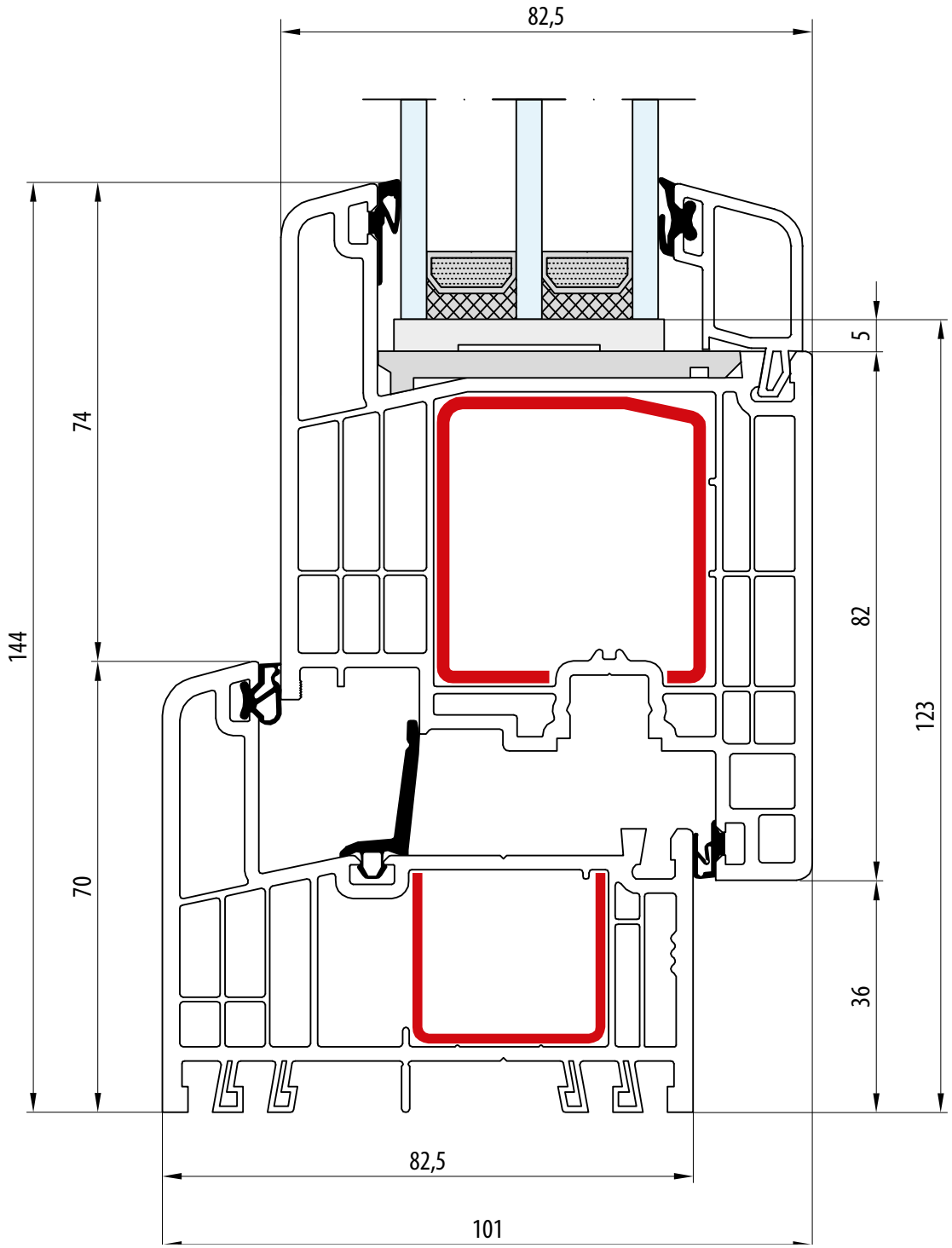

Rama: 70 mm
Dormant: 70 mm
Frame: 70 mm
Rahmen: 70 mm
Telaio: 70 mm
Kozijn: 70 mm



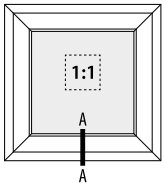



- Rama: 70 mm · Skrzydło: 108 mm
- Dormant: 70 mm · Vantail: 108 mm
- Frame: 70 mm · Sash: 108 mm
- Rahmen: 70 mm · Flügel: 108 mm
- Telaio: 70 mm · Anta: 108 mm
- Kozijn: 70 mm · Vleugel: 108 mm





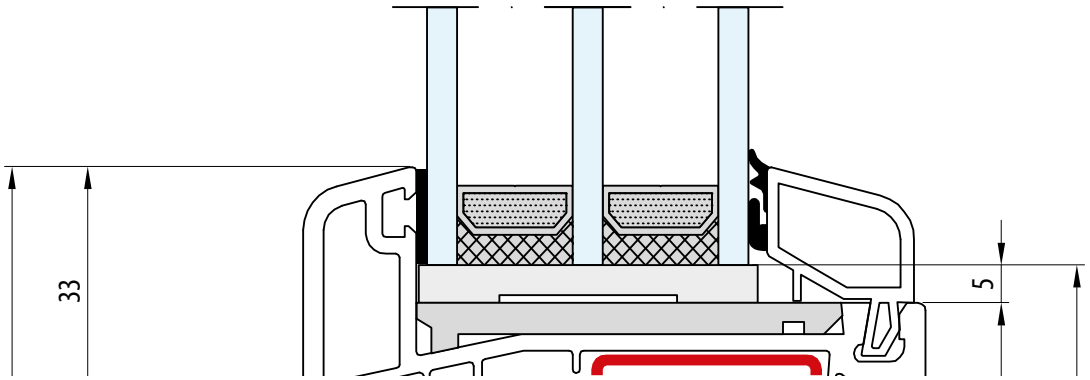

- Rama: 70 mm · Skrzydło: 108 mm
- Dormant: 70 mm · Vantail: 108 mm
- Frame: 70 mm · Sash: 108 mm
- Rahmen: 70 mm · Flügel: 108 mm
- Telaio: 70 mm · Anta: 108 mm
- Kozijn: 70 mm · Vleugel: 108 mm

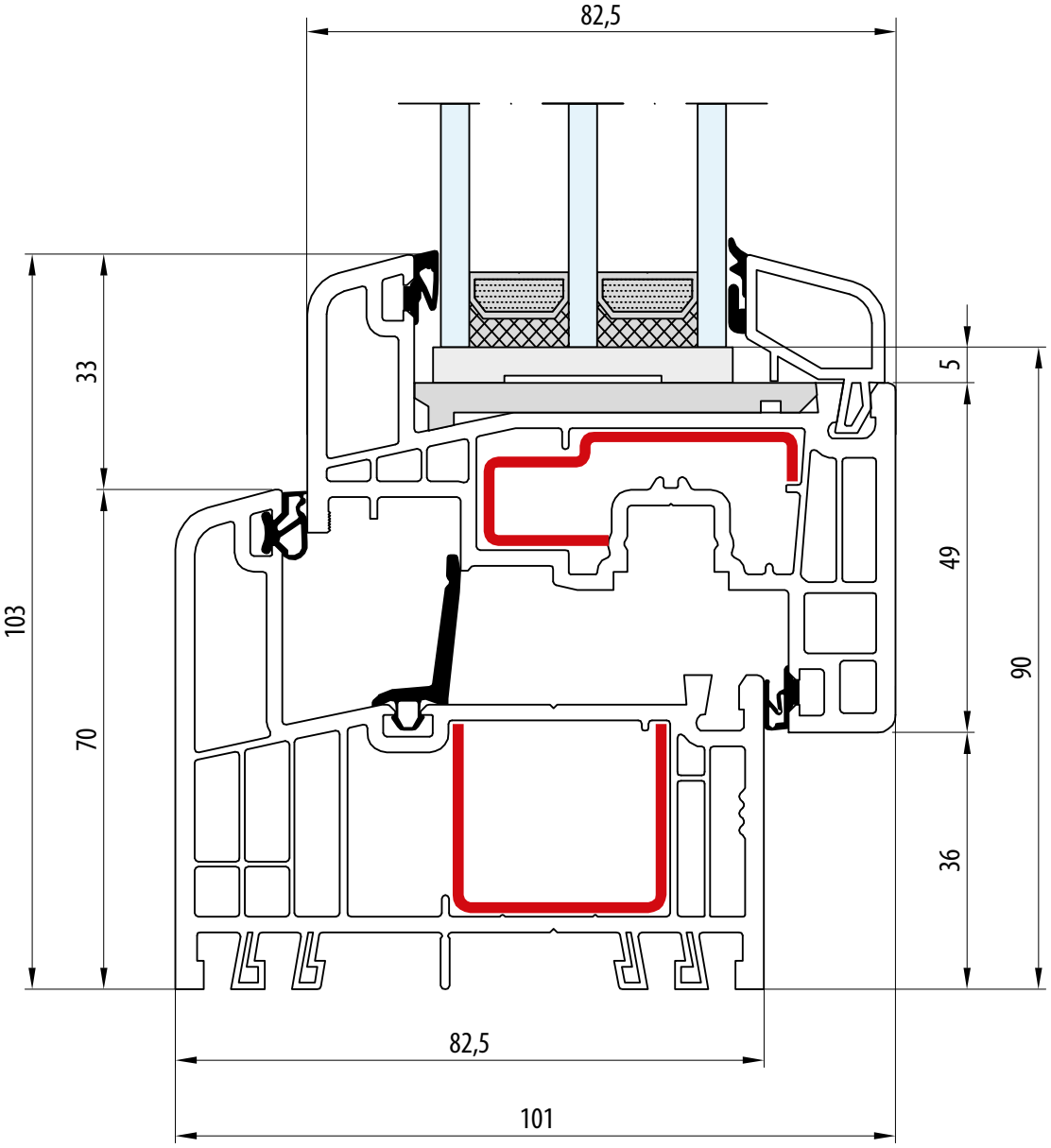


CL

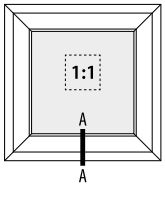
CL

STV



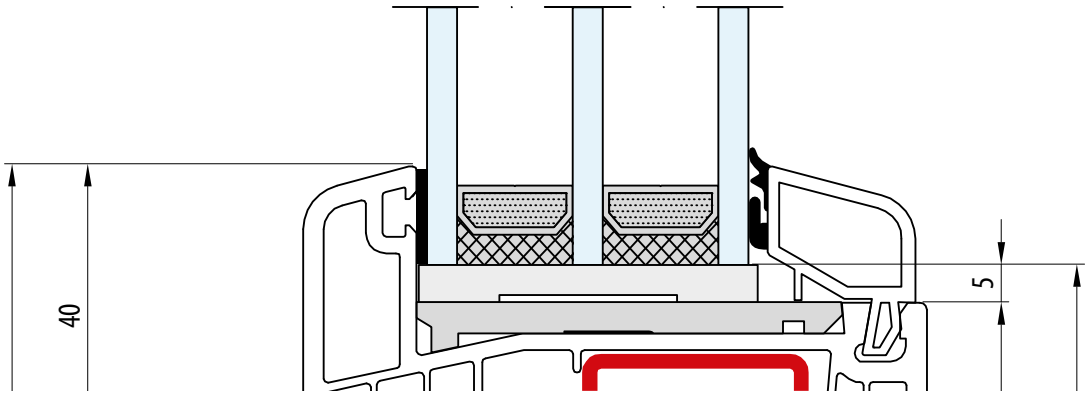

- Rama: 70 mm · Skrzydło: 67 mm
- Dormant: 70 mm · Vantail: 67 mm
- Frame: 70 mm · Sash: 67 mm
- Rahmen: 70 mm · Flügel: 67 mm
- Telaio: 70 mm · Anta: 67 mm
- Kozijn: 70 mm · Vleugel: 67 mm

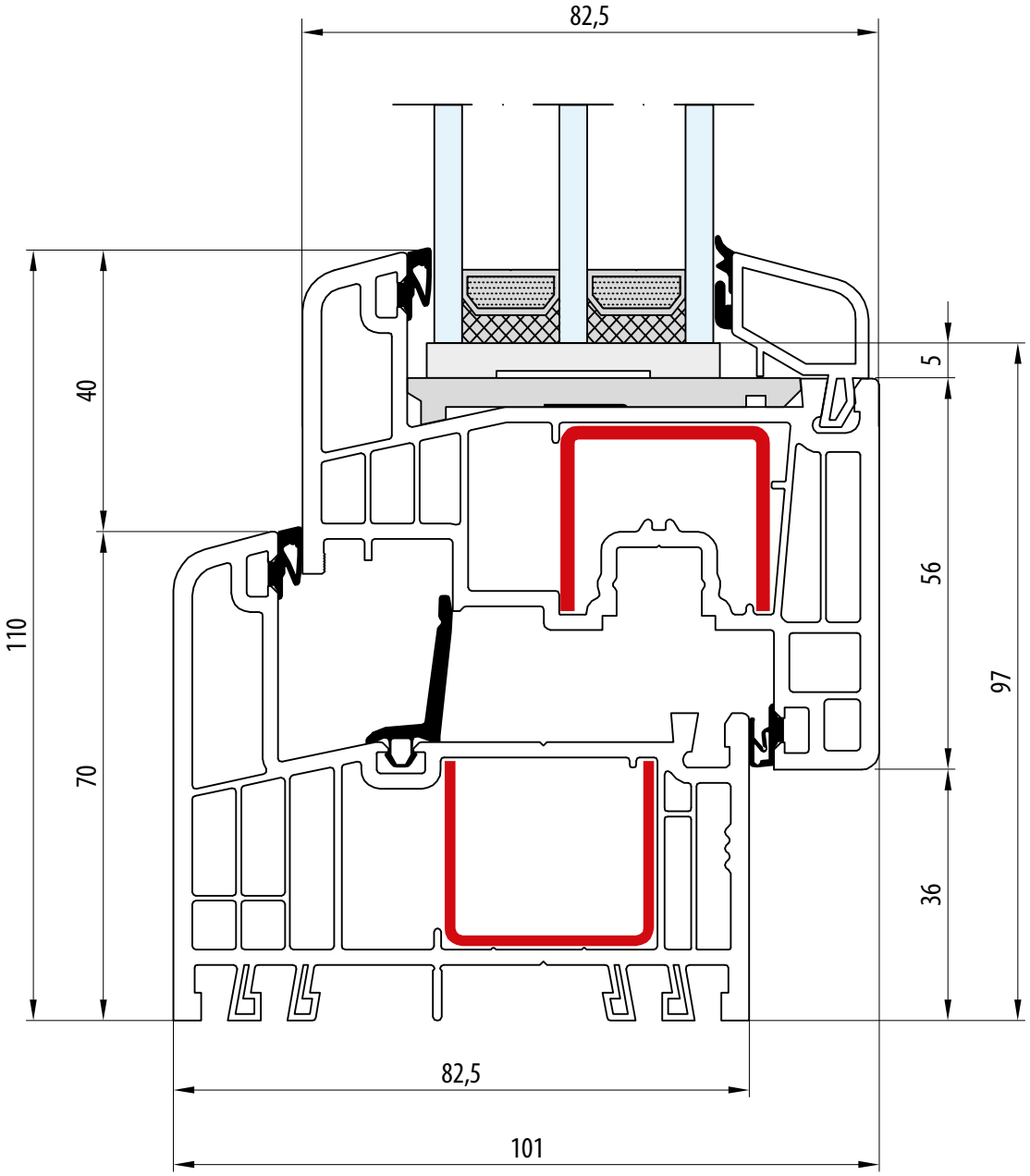


CL

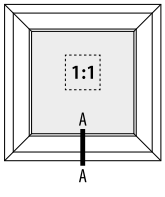
CL

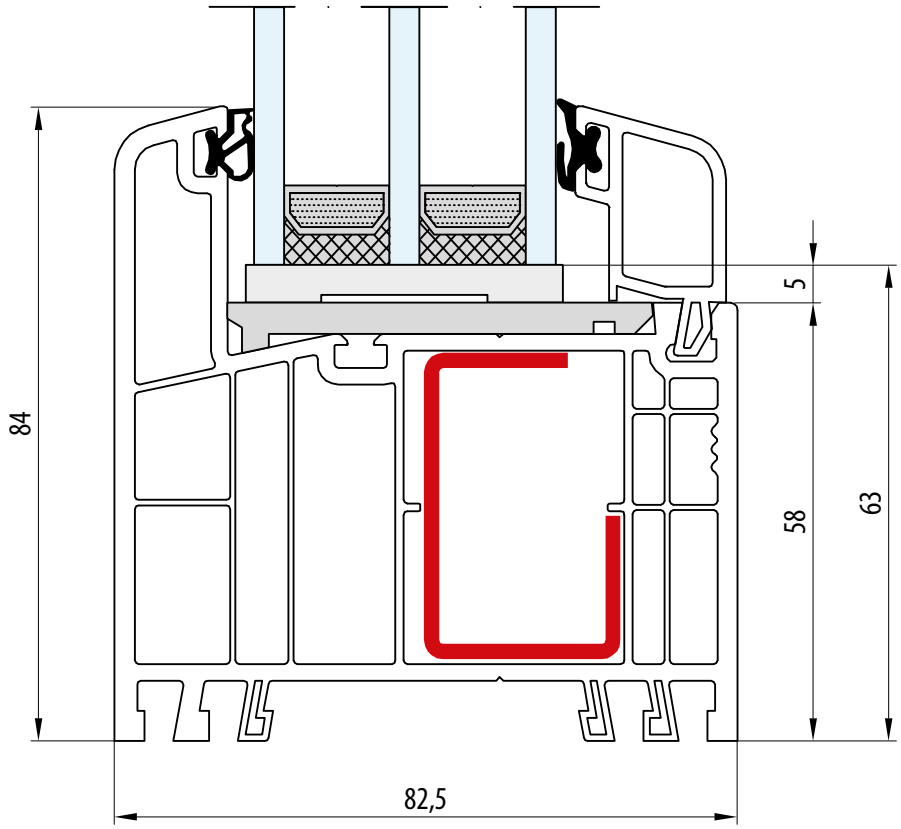
STV



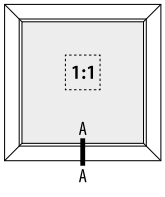



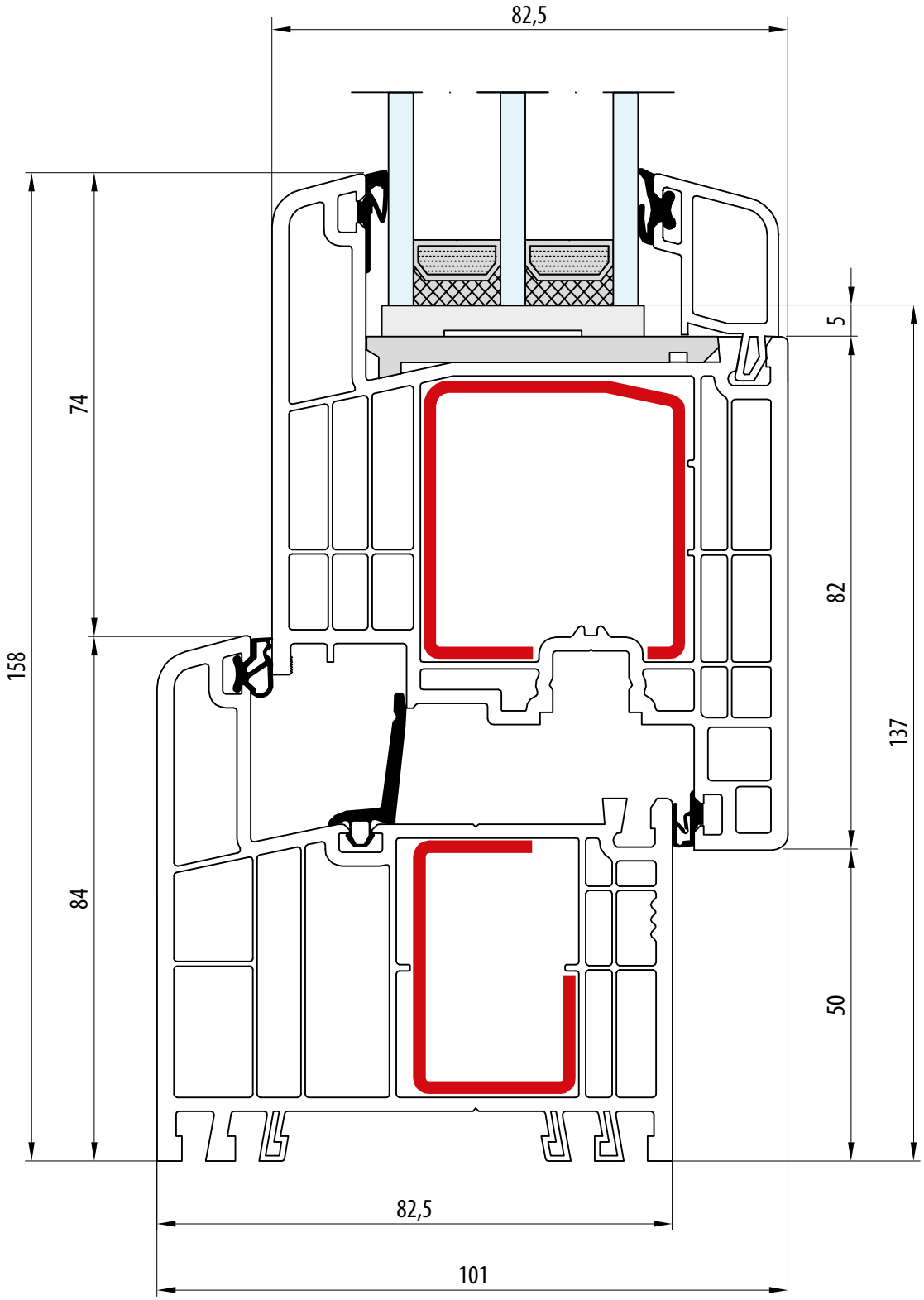

- Rama: 70 mm · Skrzydło: 74 mm
- Dormant: 70 mm · Vantail: 74 mm
- Frame: 70 mm · Sash: 74 mm
- Rahmen: 70 mm · Flügel: 74 mm
- Telaio: 70 mm · Anta: 74 mm
- Kozijn: 70 mm · Vleugel: 74 mm



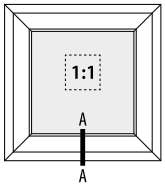


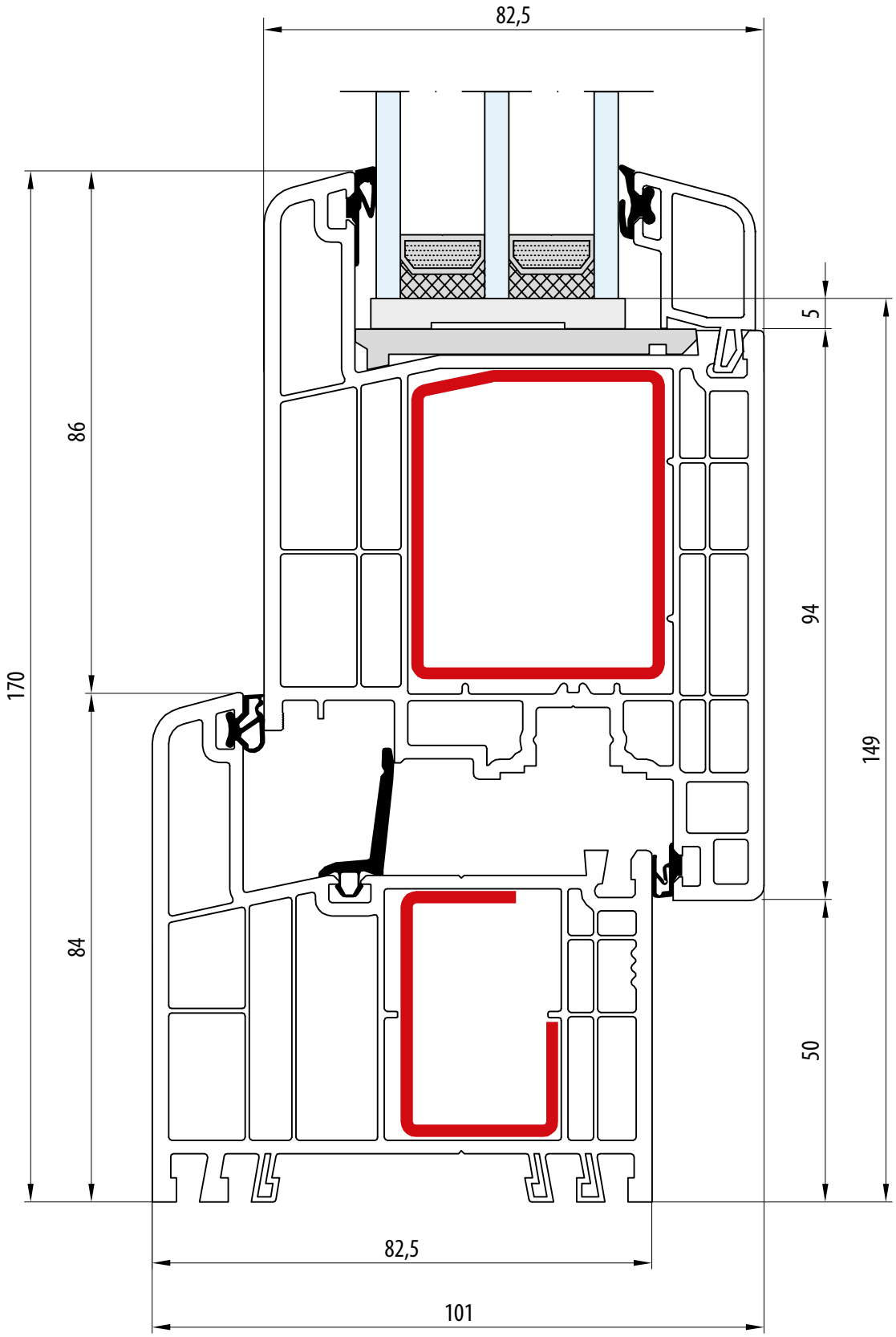

- Rama: 84 mm
- Dormant: 84 mm
- Frame: 84 mm
- Rahmen: 84 mm
- Telaio: 84 mm
- Kozijn: 84 mm



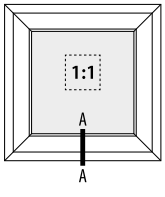


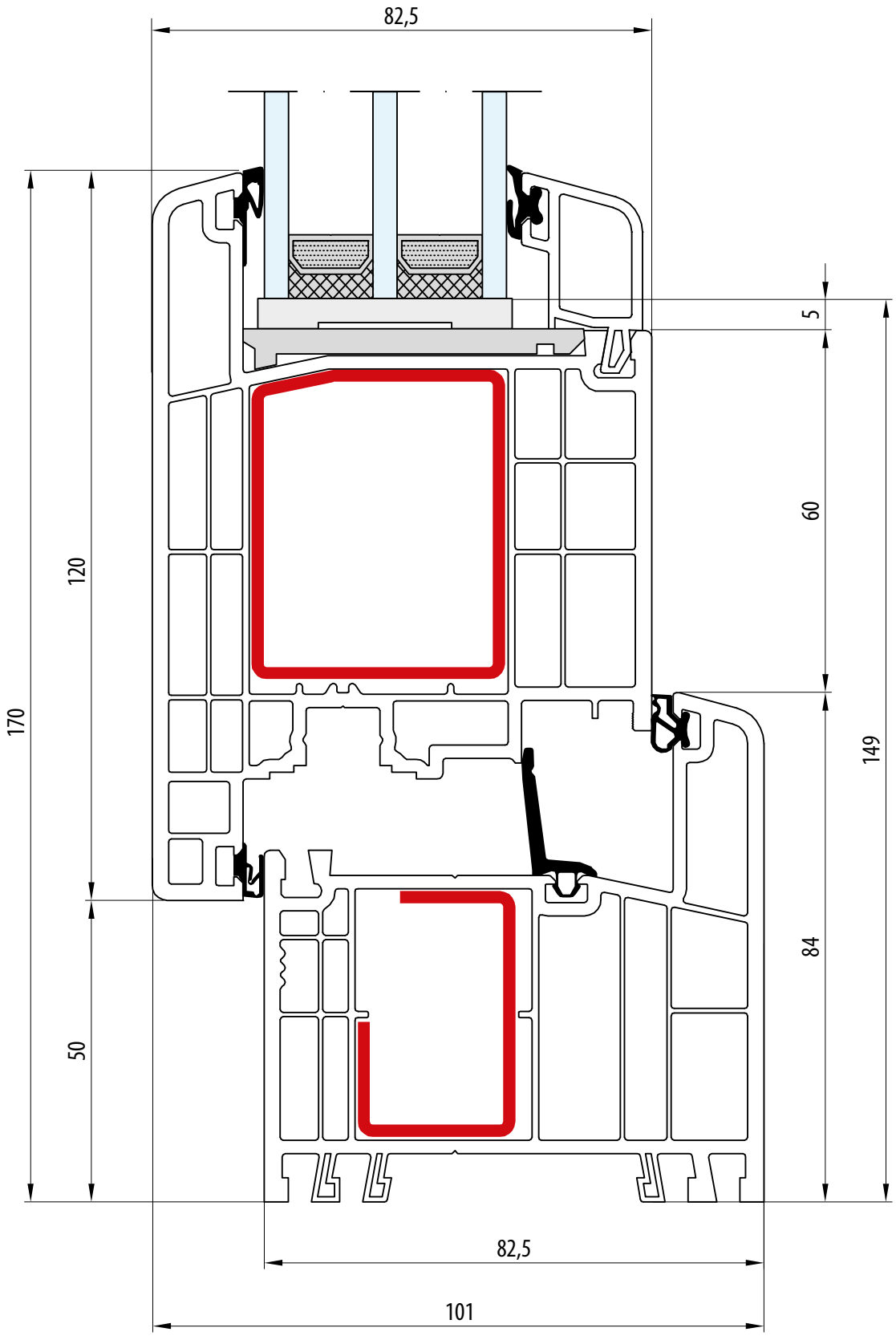

- Rama: 84 mm · Skrzydło: 108 mm
- Dormant: 84 mm · Vantail: 108 mm
- Frame: 84 mm · Sash: 108 mm
- Rahmen: 84 mm · Flügel: 108 mm
- Telaio: 84 mm · Anta: 108 mm
- Kozijn: 84 mm · Vleugel: 108 mm



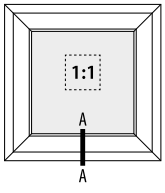


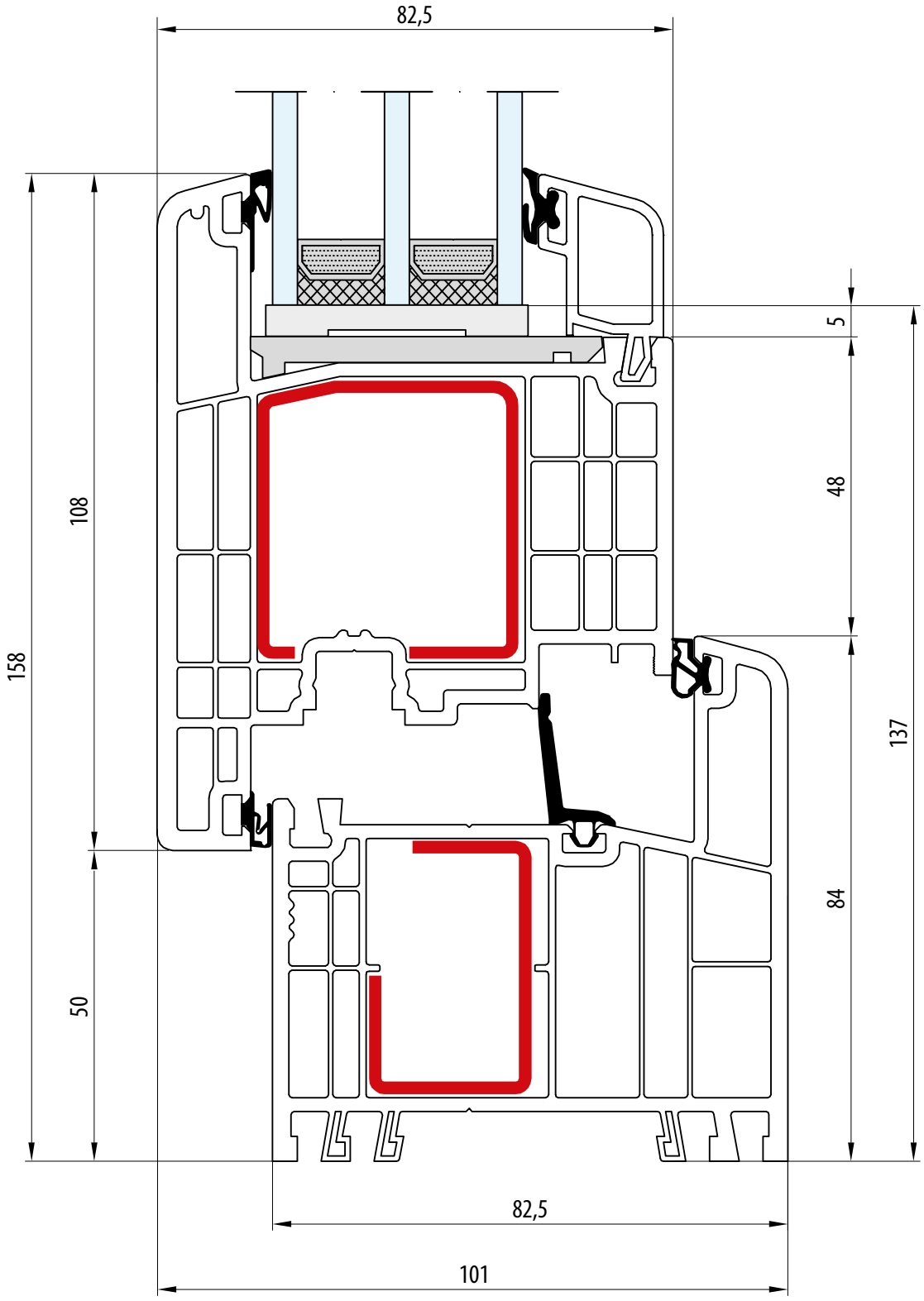

- Rama: 84 mm · Skrzydło: 120 mm
- Dormant: 84 mm · Vantail: 120 mm
- Frame: 84 mm · Sash: 120 mm
- Rahmen: 84 mm · Flügel: 120 mm
- Telaio: 84 mm · Anta: 120 mm
- Kozijn: 84 mm · Vleugel: 120 mm



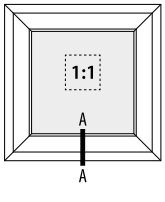


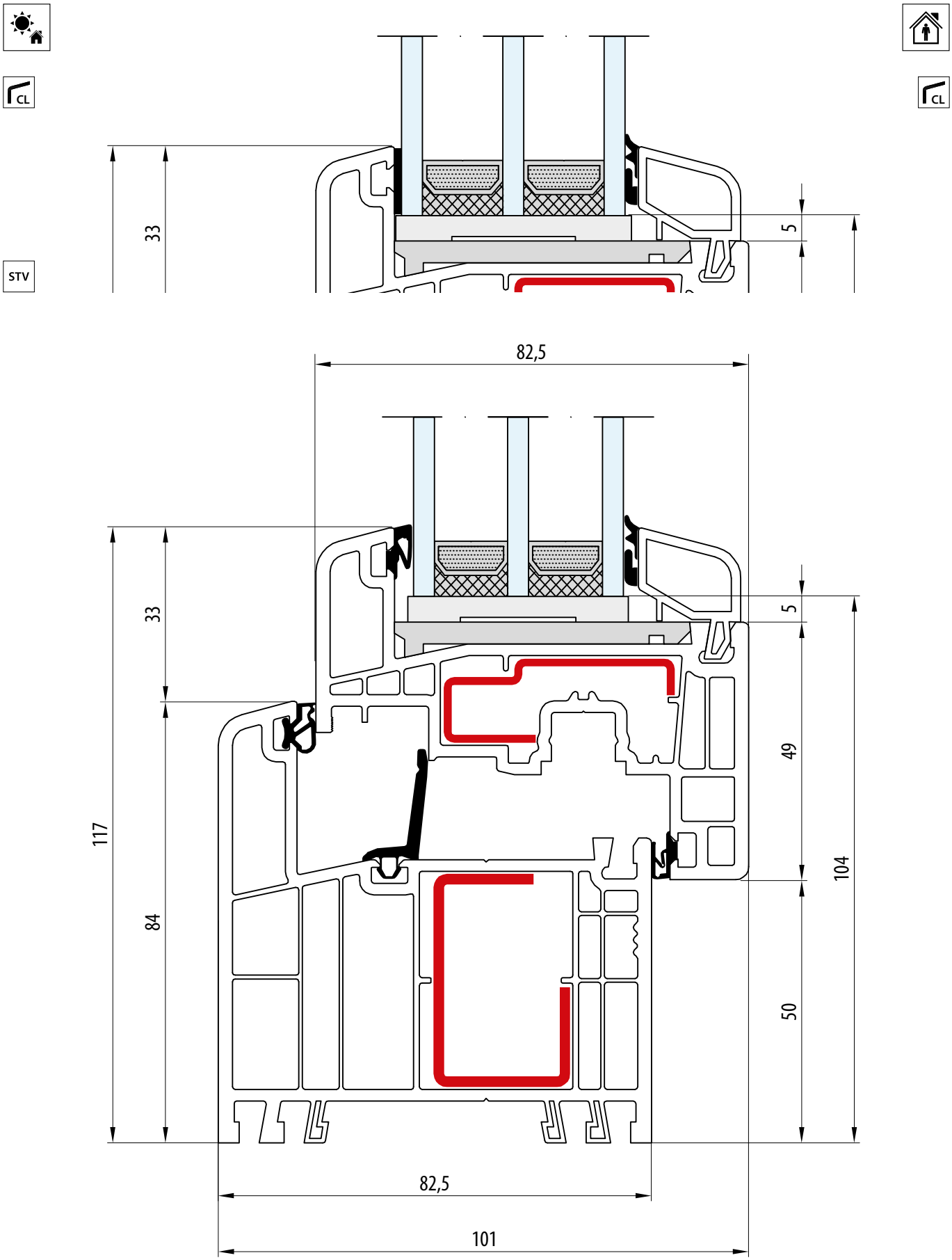

- Rama: 84 mm · Skrzydło: 120 mm
- Dormant: 84 mm · Vantail: 120 mm
- Frame: 84 mm · Sash: 120 mm
- Rahmen: 84 mm · Flügel: 120 mm
- Telaio: 84 mm · Anta: 120 mm
- Kozijn: 84 mm · Vleugel: 120 mm



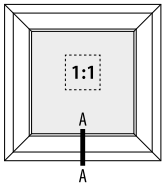



- Rama: 84 mm · Skrzydło: 108 mm
- Dormant: 84 mm · Vantail: 108 mm
- Frame: 84 mm · Sash: 108 mm
- Rahmen: 84 mm · Flügel: 108 mm
- Telaio: 84 mm · Anta: 108 mm
- Kozijn: 84 mm · Vleugel: 108 mm



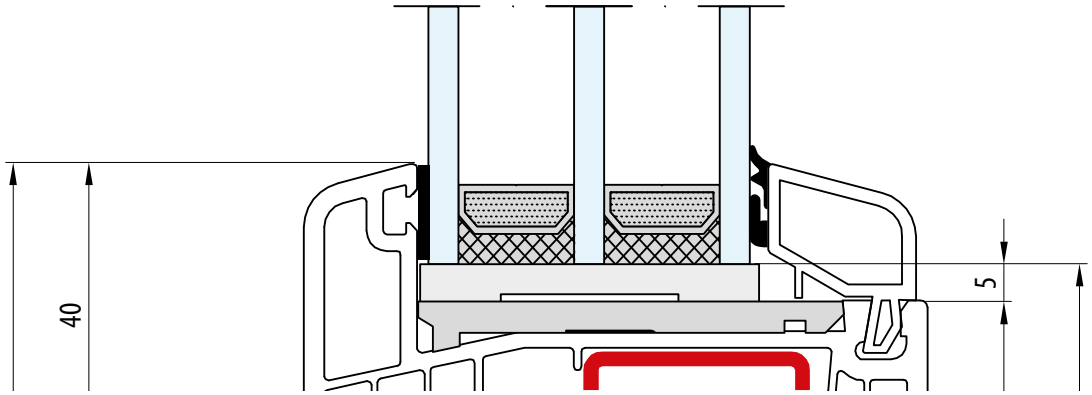


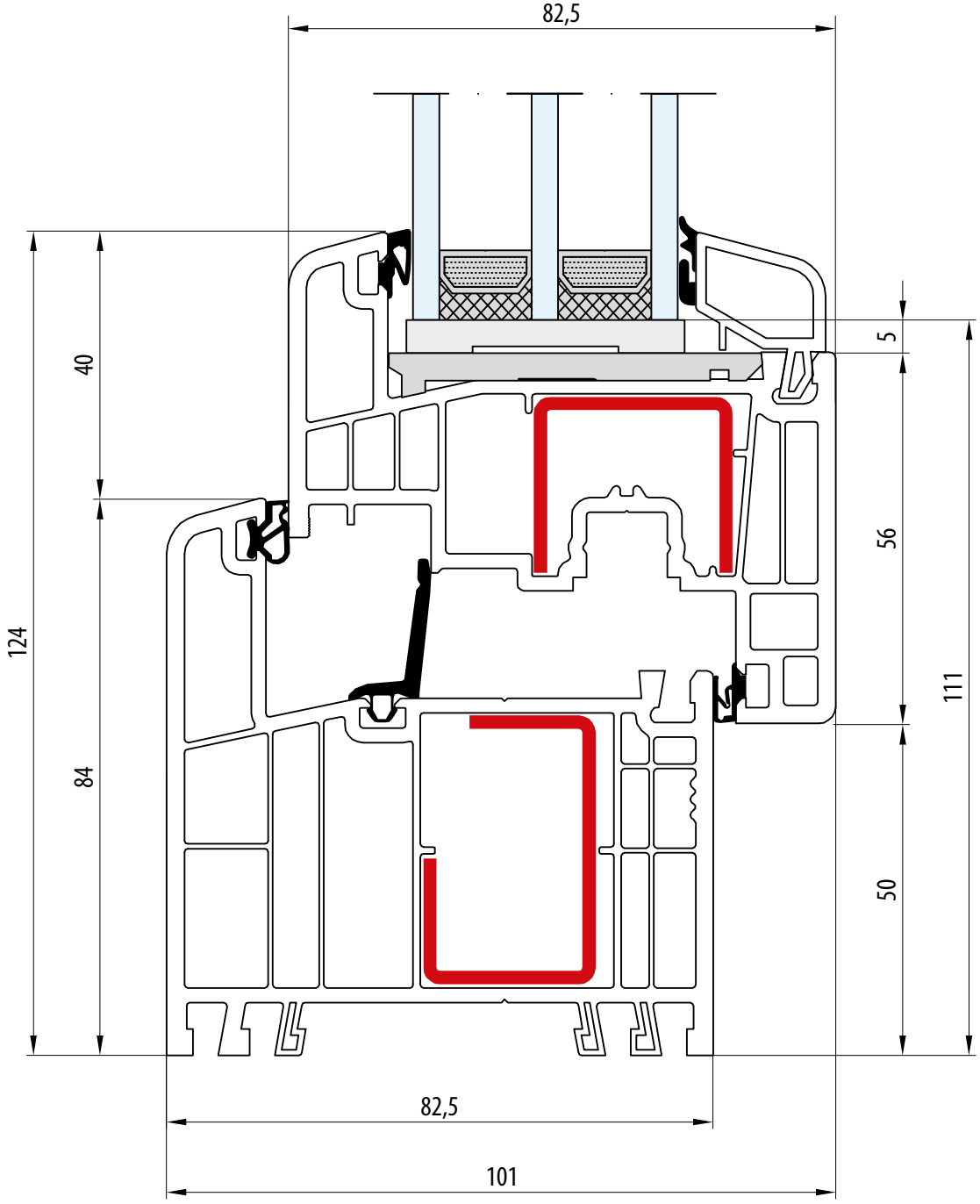

- Rama: 84 mm · Skrzydło: 67 mm
- Dormant: 84 mm · Vantail: 67 mm
- Frame: 84 mm · Sash: 67 mm
- Rahmen: 84 mm · Flügel: 67 mm
- Telaio: 84 mm · Anta: 67 mm
- Kozijn: 84 mm · Vleugel: 67 mm



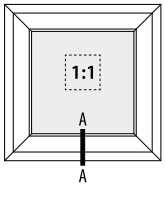
CL

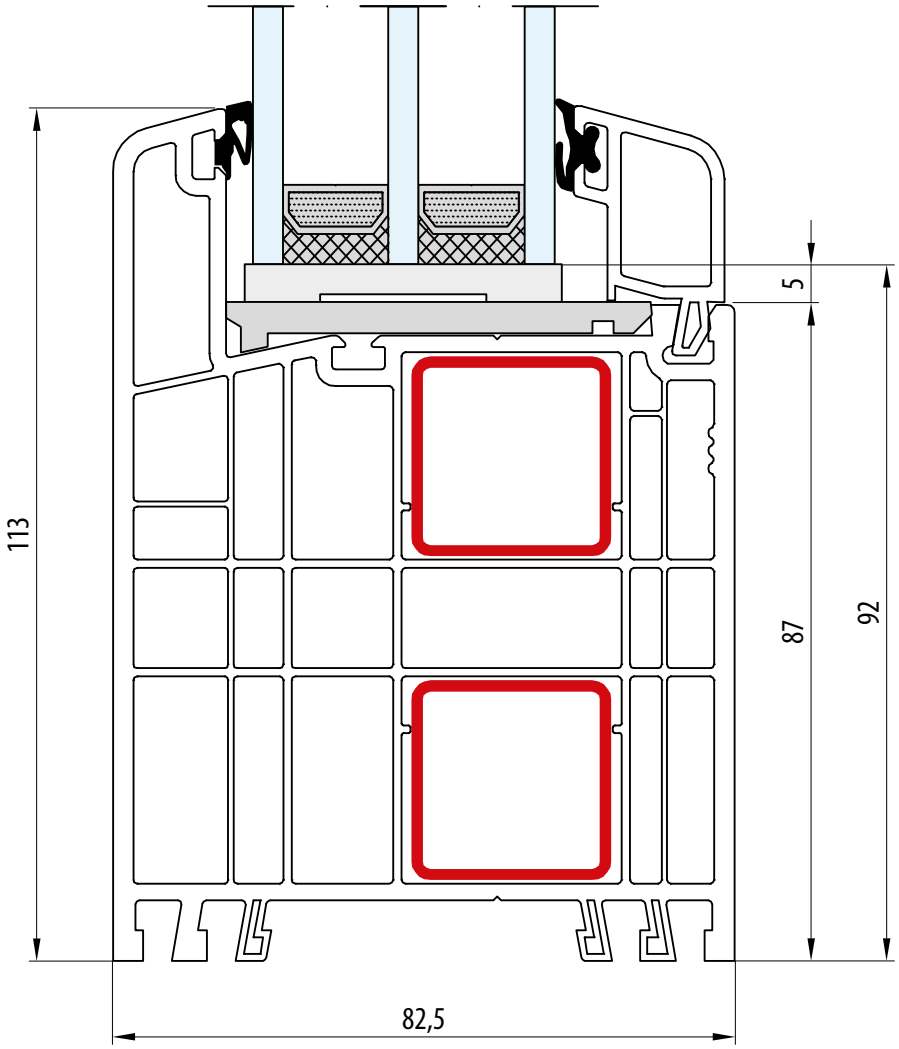
STV



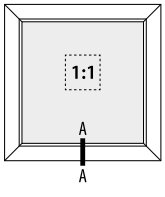



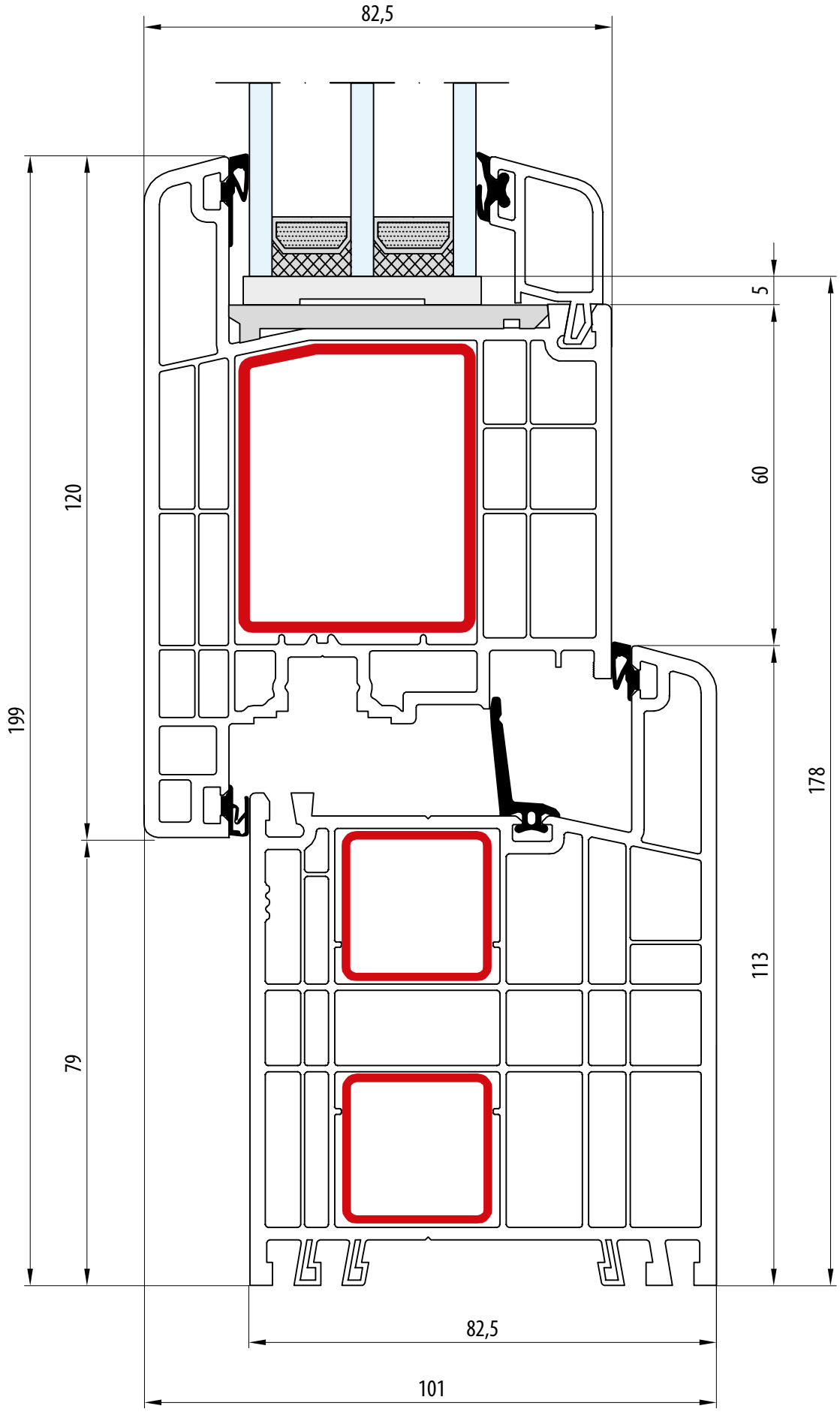

- Rama: 84 mm · Skrzydło: 74 mm
- Dormant: 84 mm · Vantail: 74 mm
- Frame: 84 mm · Sash: 74 mm
- Rahmen: 84 mm · Flügel: 74 mm
- Telaio: 84 mm · Anta: 74 mm
- Kozijn: 84 mm · Vleugel: 74 mm



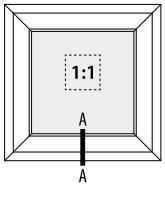


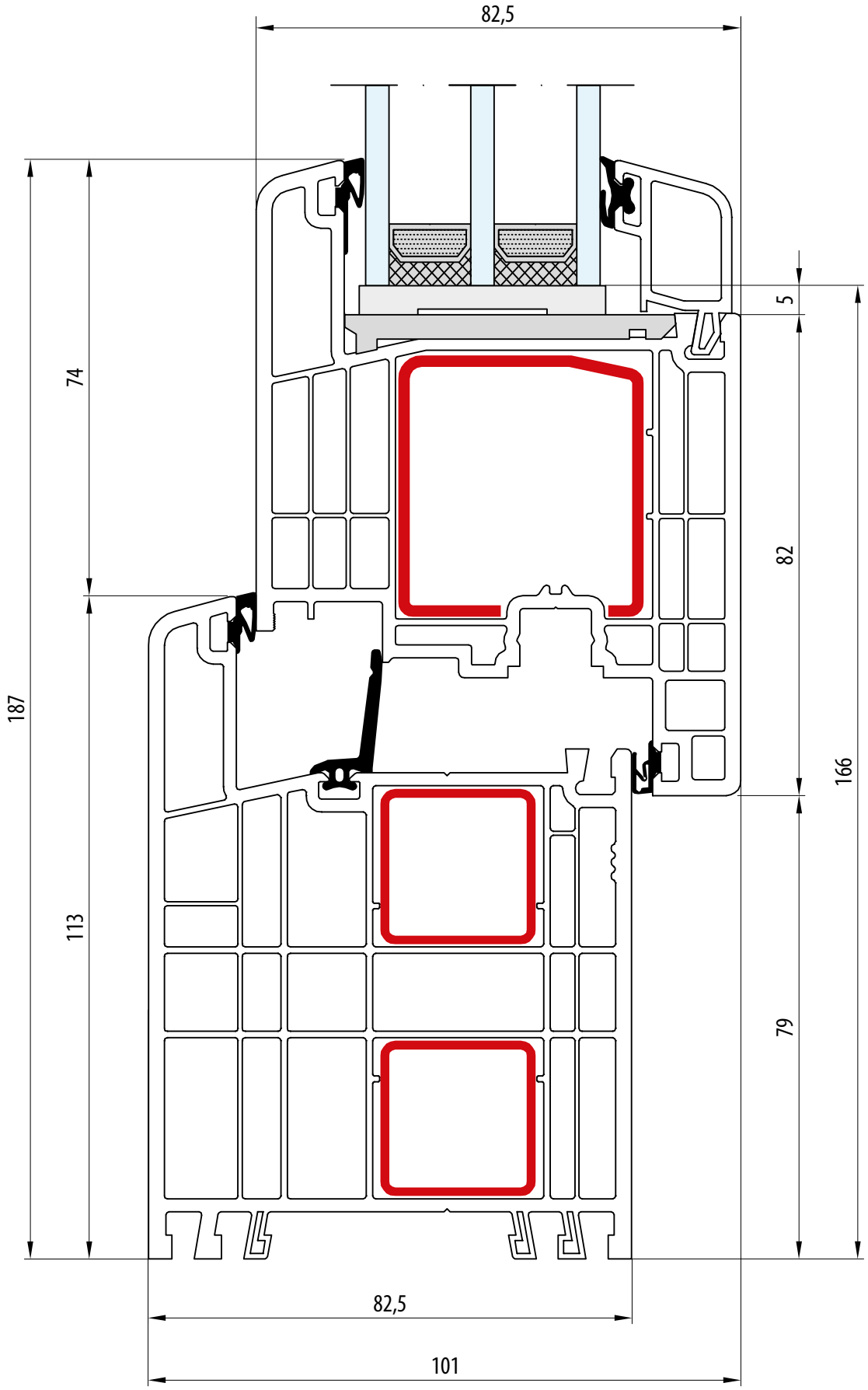

- Rama: 113 mm
- Dormant: 113 mm
- Frame: 113 mm
- Rahmen: 113 mm
- Telaio: 113 mm
- Kozijn: 113 mm



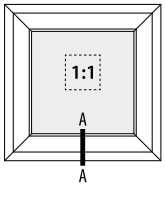


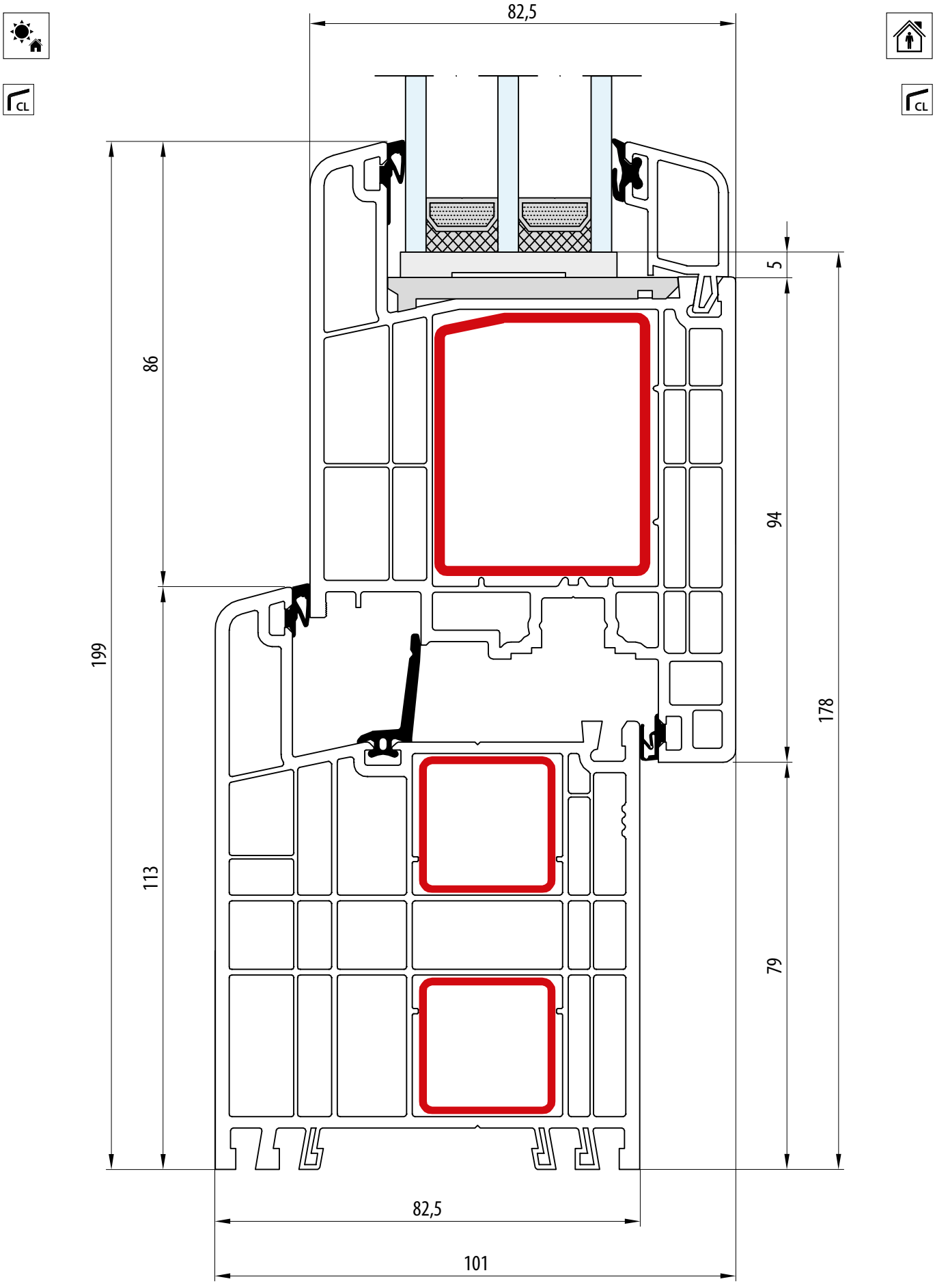

- Rama: 113 mm · Skrzydło: 120 mm
- Dormant: 113 mm · Vantail: 120 mm
- Frame: 113 mm · Sash: 120 mm
- Rahmen: 113 mm · Flügel: 120 mm
- Telaio: 113 mm · Anta: 120 mm
- Kozijn: 113 mm · Vleugel: 120 mm



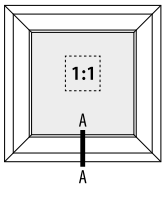


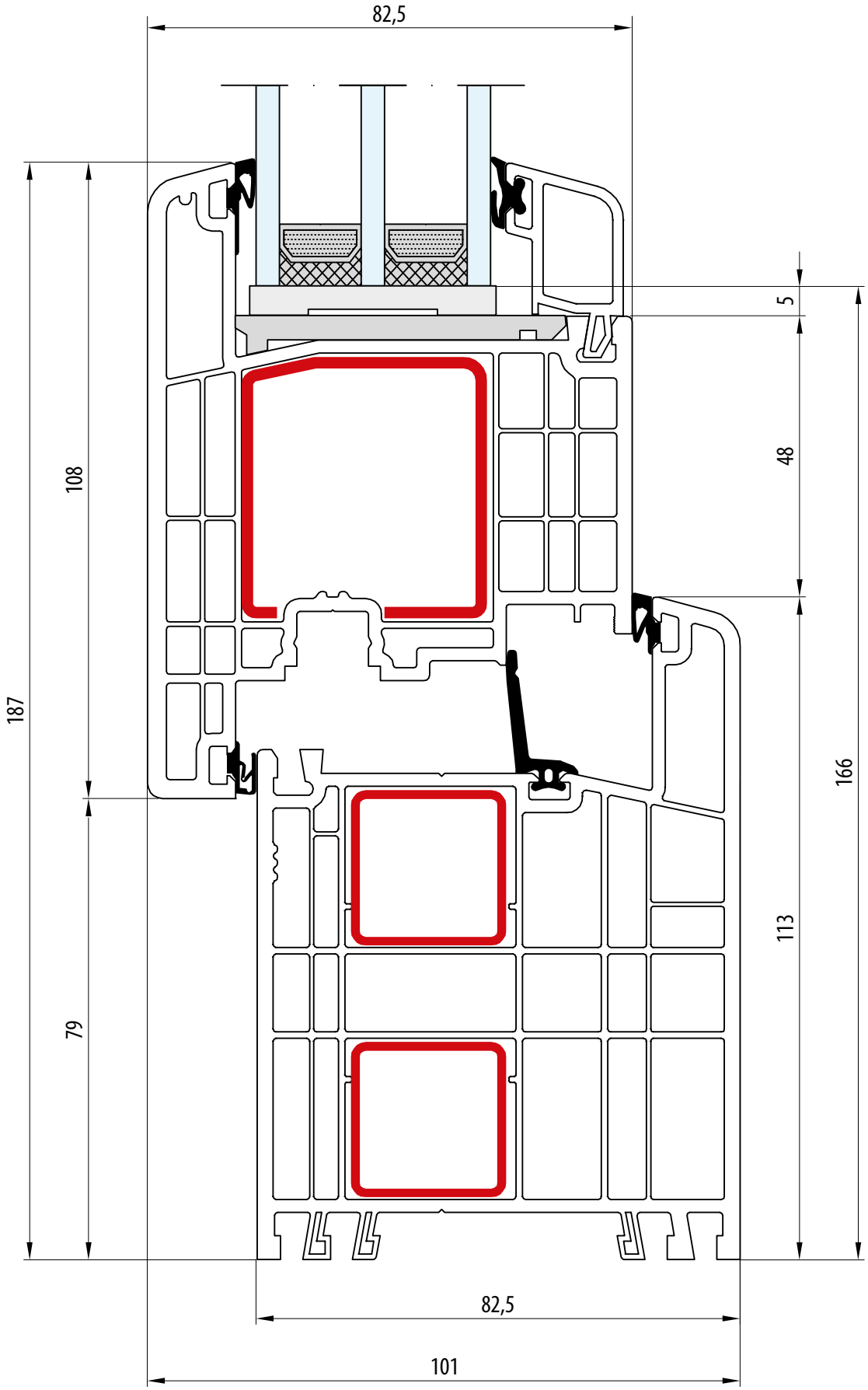

Rama: 113 mm · Skrzydło: 108 mm
Dormant: 113 mm · Vantail: 108 mm
Frame: 113 mm · Sash: 108 mm
Rahmen: 113 mm · Flügel: 108 mm
Telaio: 113 mm · Anta: 108 mm
Kozijn: 113 mm · Vleugel: 108 mm



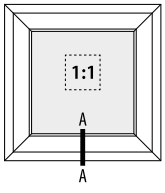


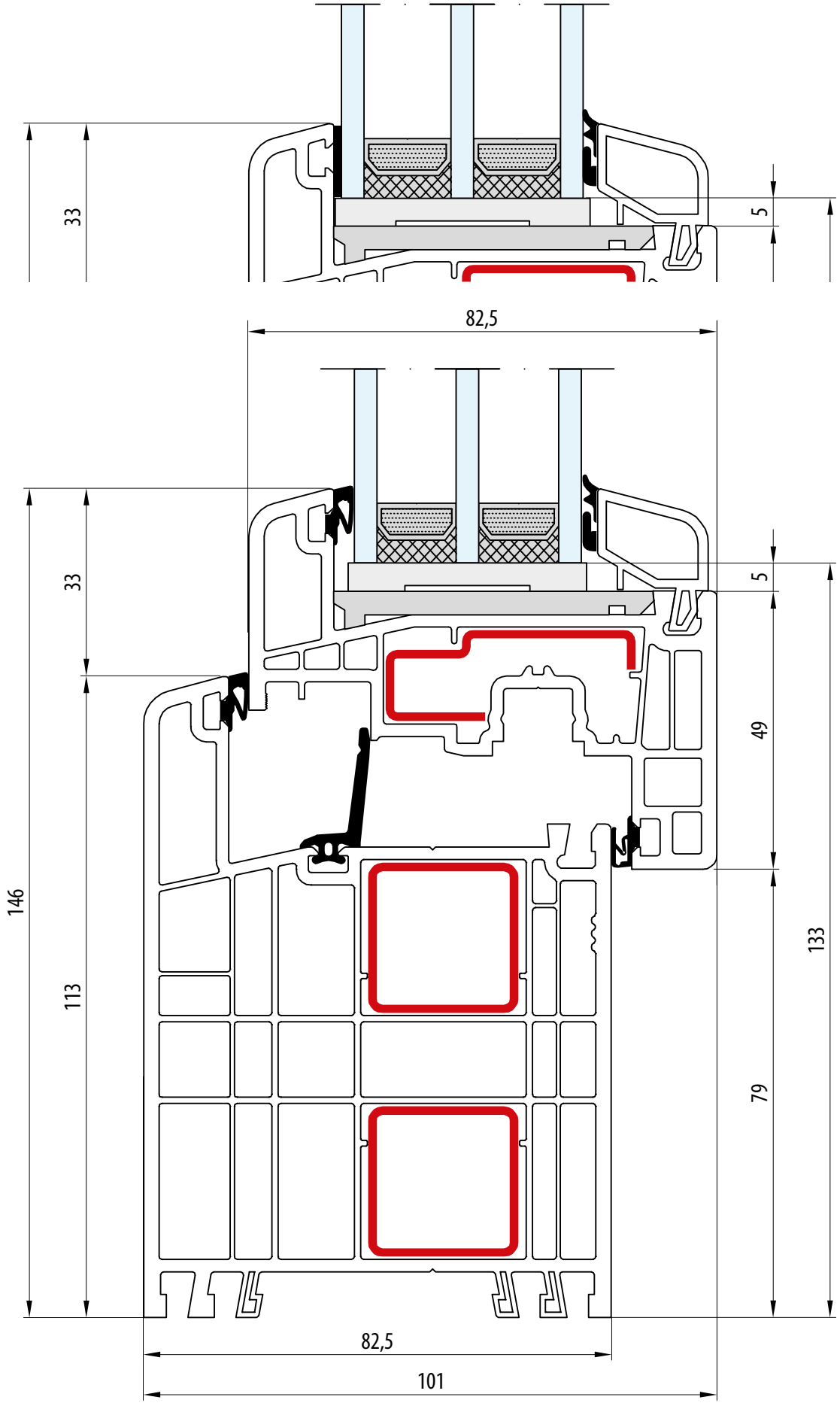

- Rama: 113 mm · Skrzydło: 120 mm
- Dormant: 113 mm · Vantail: 120 mm
- Frame: 113 mm · Sash: 120 mm
- Rahmen: 113 mm · Flügel: 120 mm
- Telaio: 113 mm · Anta: 120 mm
- Kozijn: 113 mm · Vleugel: 120 mm



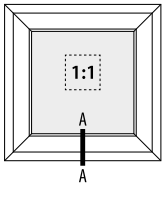


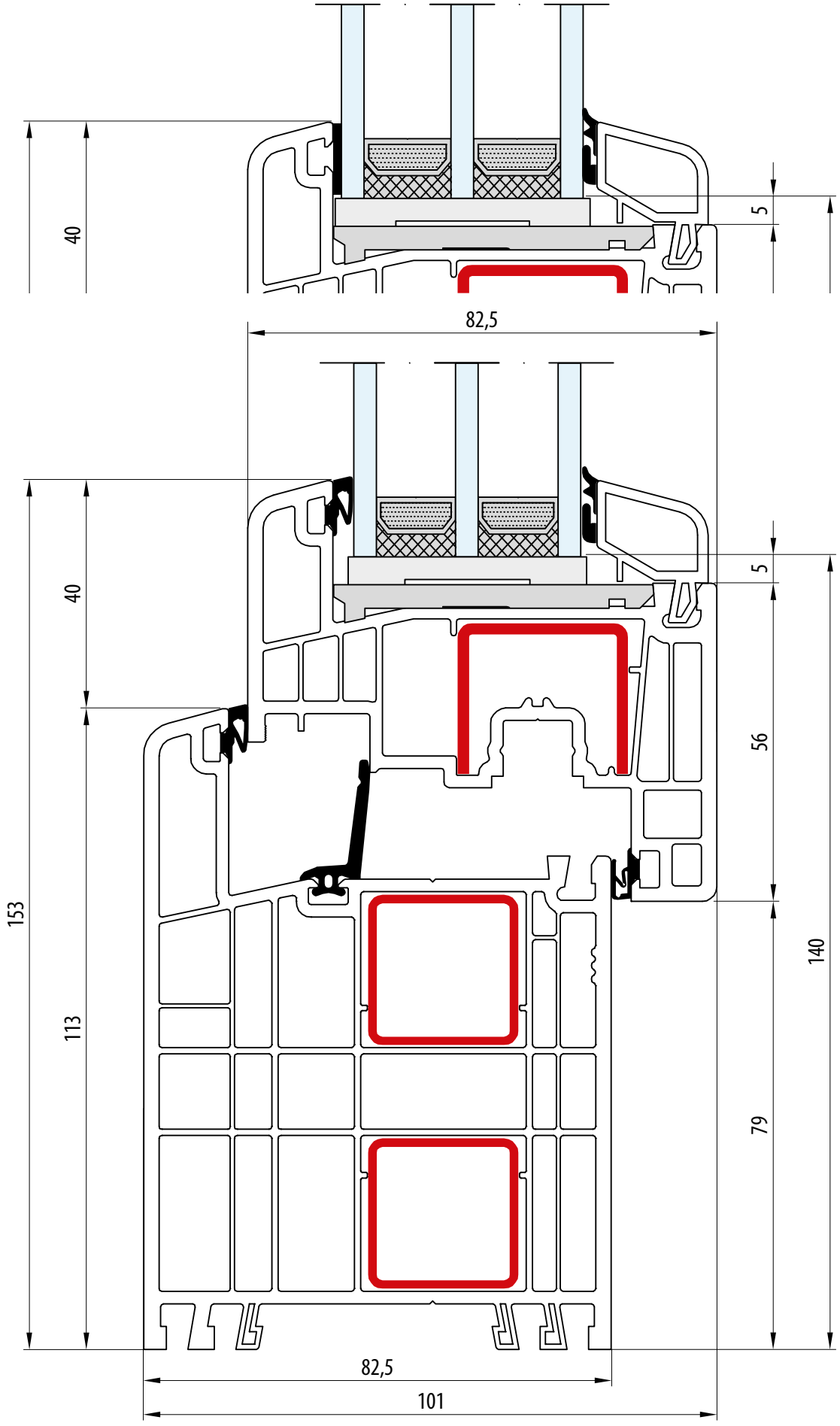

- Rama: 113 mm · Skrzydło: 108 mm
- Dormant: 113 mm · Vantail: 108 mm
- Frame: 113 mm · Sash: 108 mm
- Rahmen: 113 mm · Flügel: 108 mm
- Telaio: 113 mm · Anta: 108 mm
- Kozijn: 113 mm · Vleugel: 108 mm



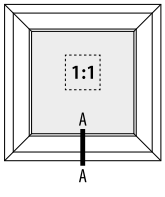


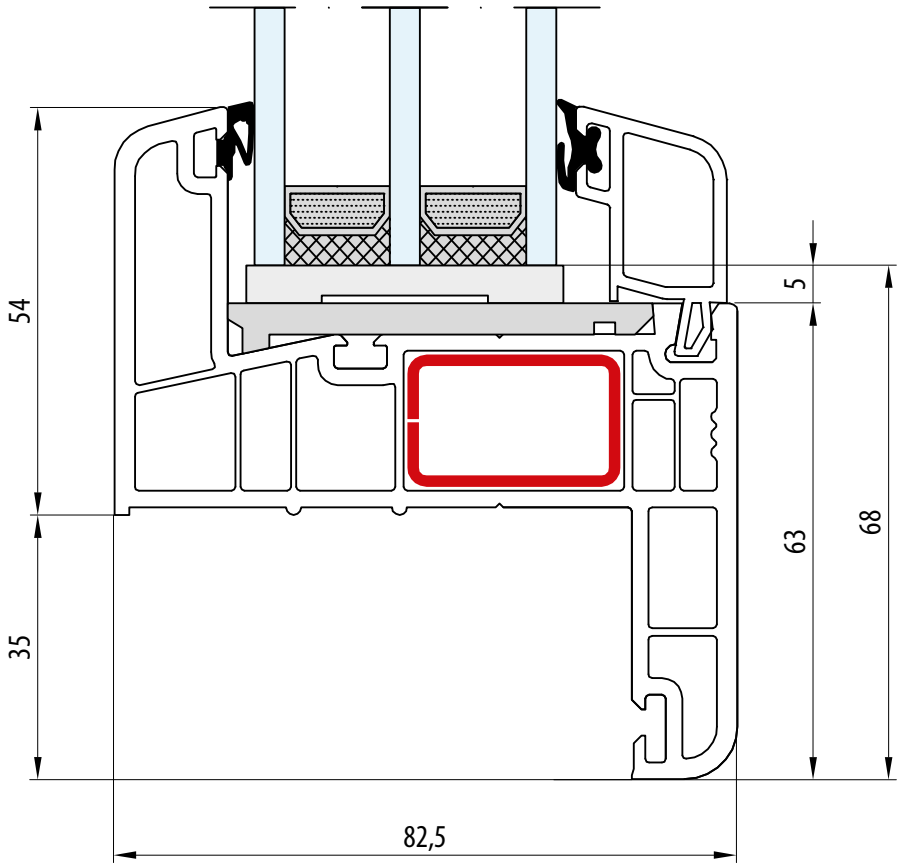

- Rama: 113 mm · Skrzydło: 67 mm
- Dormant: 113 mm · Vantail: 67 mm
- Frame: 113 mm · Sash: 67 mm
- Rahmen: 113 mm · Flügel: 67 mm
- Telaio: 113 mm · Anta: 67 mm
- Kozijn: 113 mm · Vleugel: 67 mm



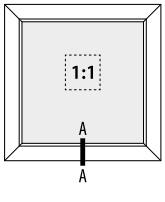


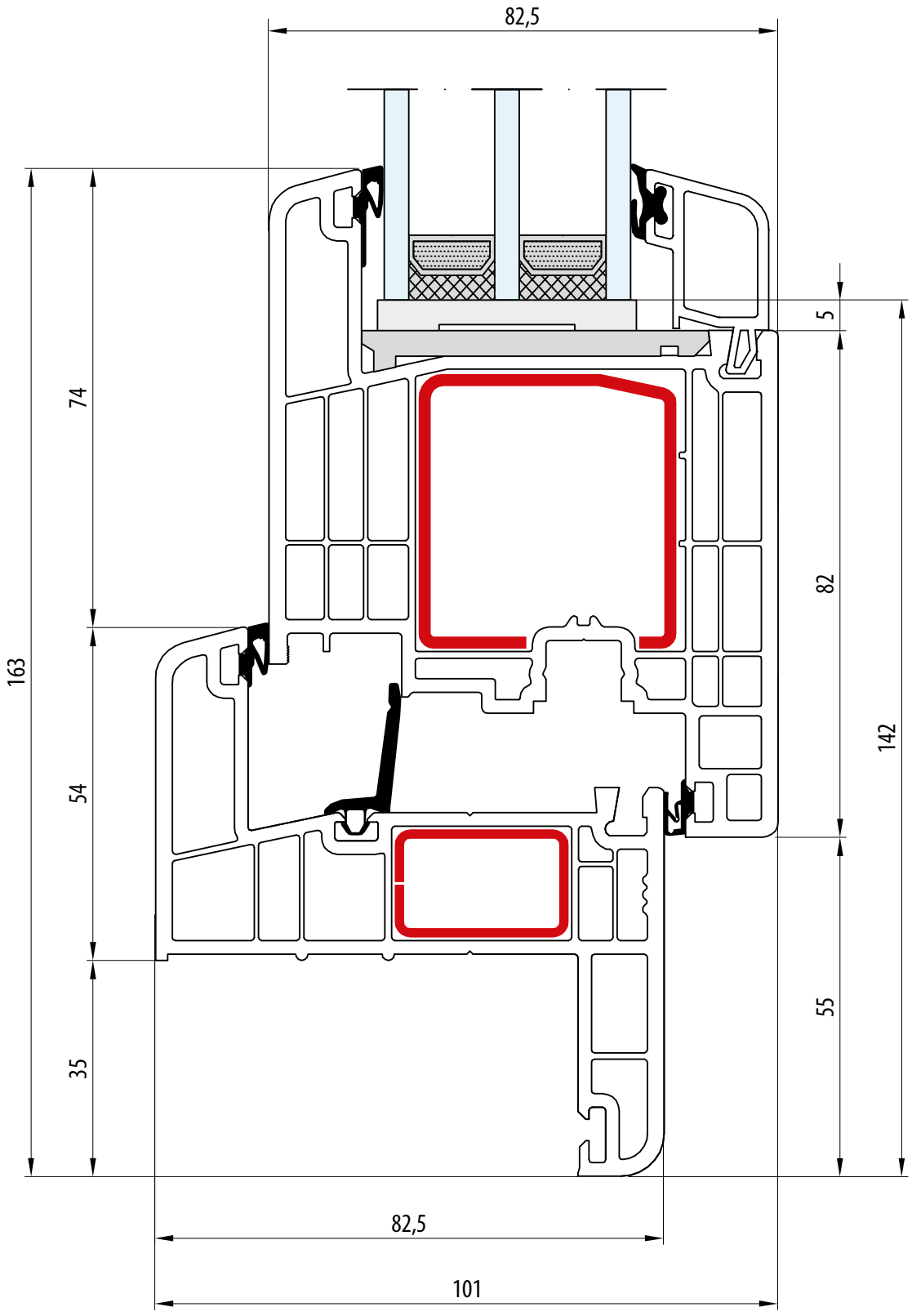

Rama: 113 mm · Skrzydło: 74 mm
Dormant: 113 mm · Vantail: 74 mm
Frame: 113 mm · Sash: 74 mm
Rahmen: 113 mm · Flügel: 74 mm
Telaio: 113 mm · Anta: 74 mm
Kozijn: 113 mm · Vleugel: 74 mm



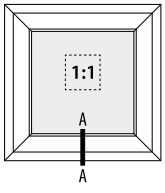


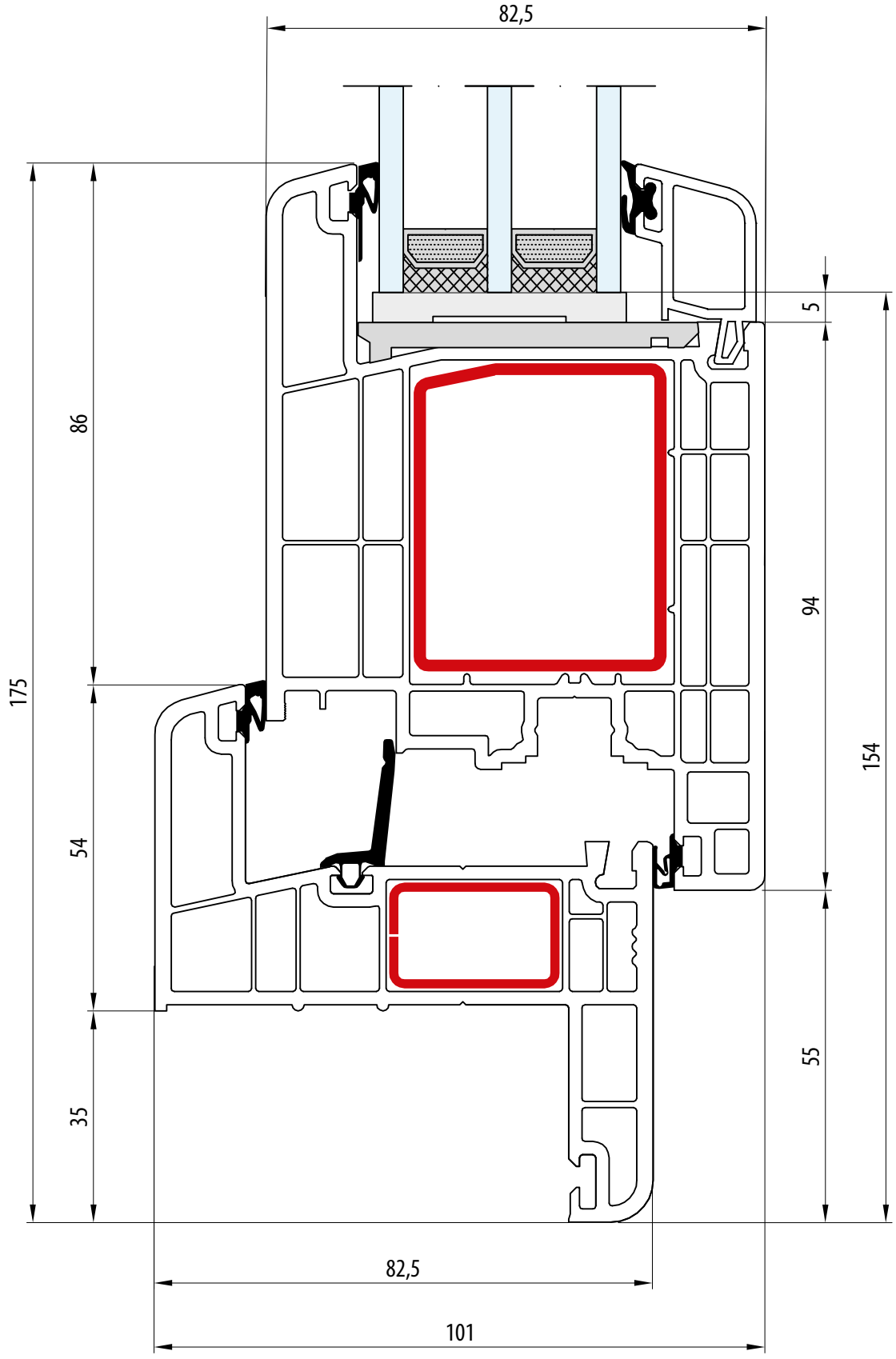

RENOWACJA - Płetwa: 35 mm · Rama: 54 mm
RÉNOVATION - Lip: 35 mm · Dormant: 54 mm
RENOVATION - Strip: 35 mm · Frame: 54 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 54 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 54 mm
RENOVATIE - Vin: 35 mm · Kozijn: 54 mm



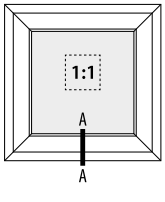


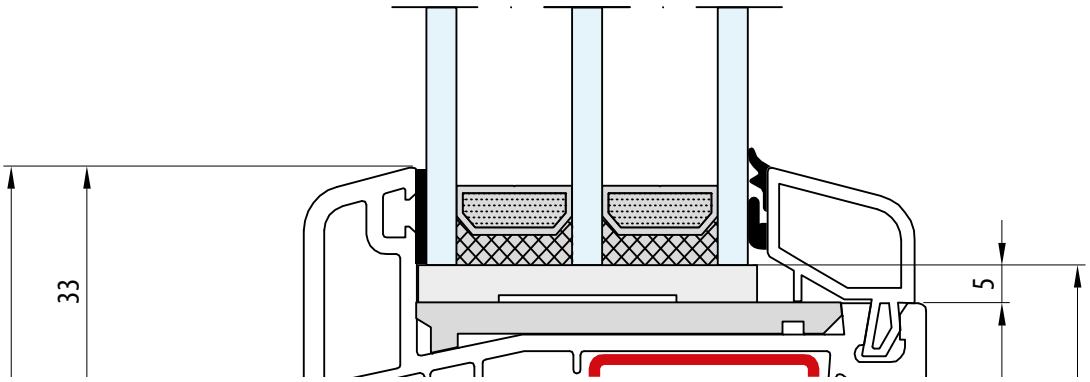

RENOWACJA - Płetwa: 35 mm · Rama: 54 mm · Skrzydło: 108 mm
RÉNOVATION - Lip: 35 mm · Dormant: 54 mm · Vantail: 108 mm
RENOVATION - Strip: 35 mm · Frame: 54 mm · Sash: 108 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 54 mm · Flügel: 108 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 54 mm · Anta: 108 mm
RENOVATIE - Vin: 35 mm · Kozijn: 54 mm · Vleugel: 108 mm

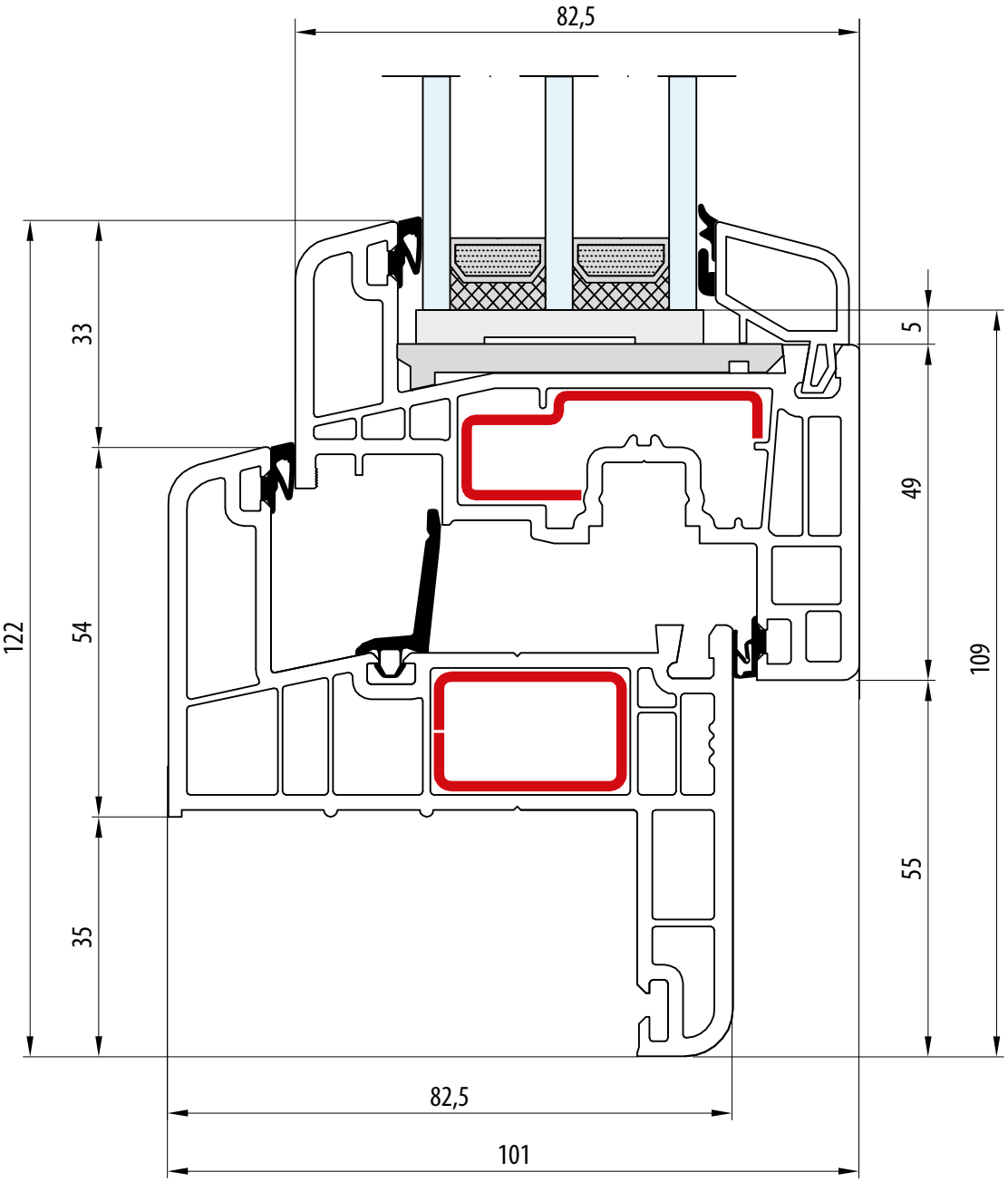




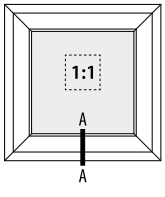

RENOWACJA - Płetwa: 35 mm · Rama: 54 mm · Skrzydło: 120 mm
RÉNOVATION - Lip: 35 mm · Dormant: 54 mm · Vantail: 120 mm
RENOVATION - Strip: 35 mm · Frame: 54 mm · Sash: 120 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 54 mm · Flügel: 120 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 54 mm · Anta: 120 mm
RENOVATIE - Vin: 35 mm · Kozijn: 54 mm · Vleugel: 120 mm

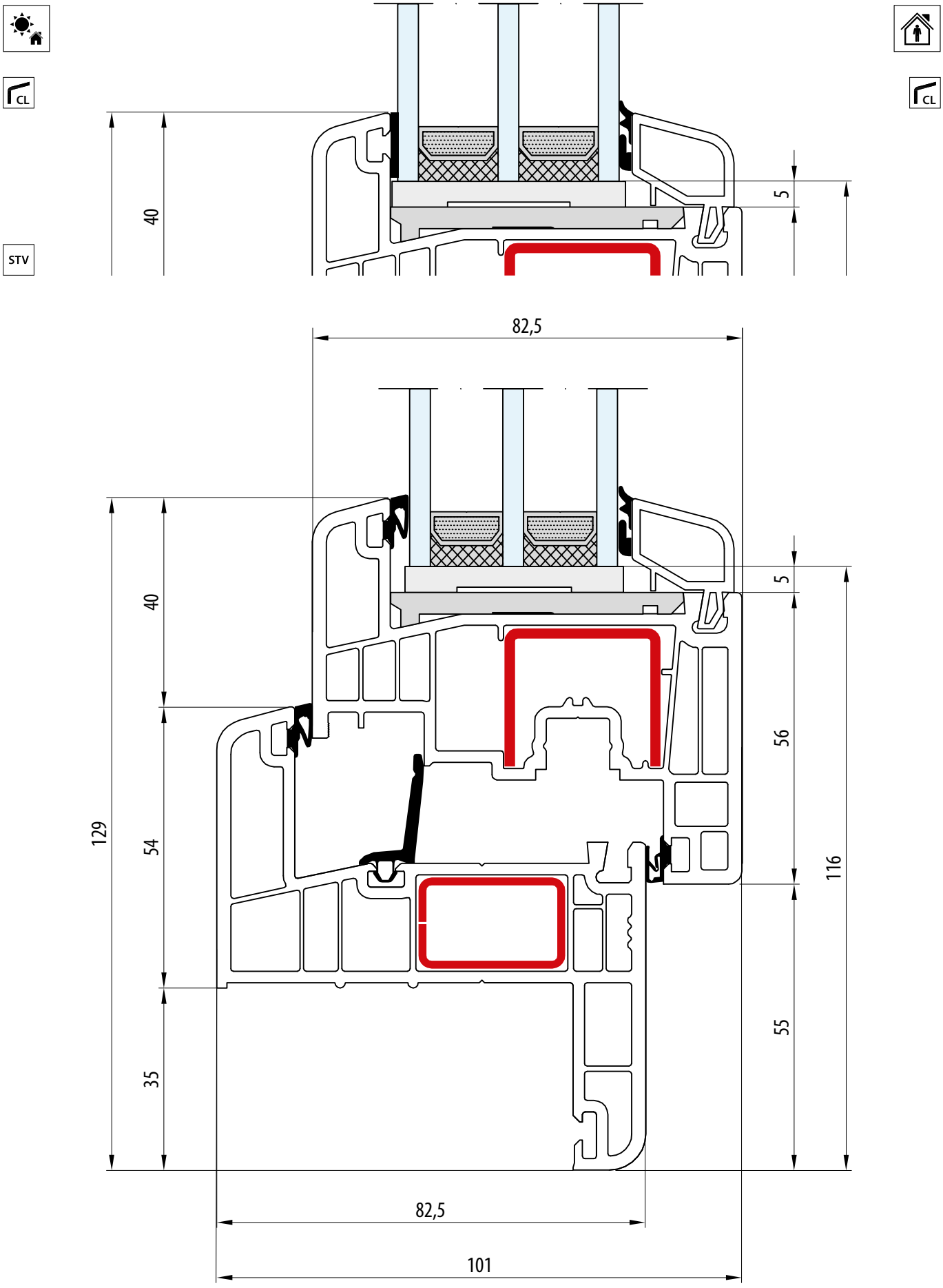




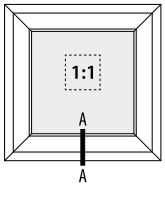



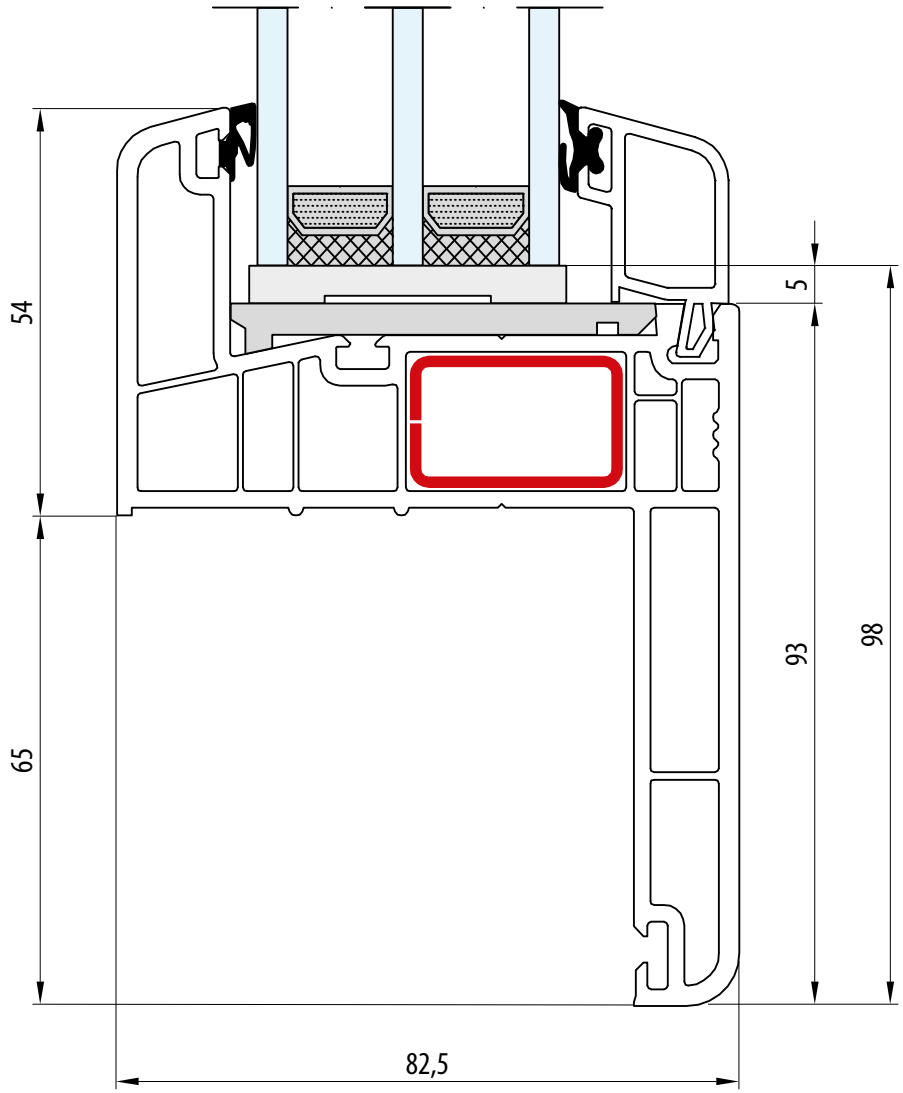

- RENOWACJA - Płetwa: 35 mm · Rama: 54 mm · Skrzydło: 67 mm
- RÉNOVATION - Lip: 35 mm · Dormant: 54 mm · Vantail: 67 mm
- RENOVATION - Strip: 35 mm · Frame: 54 mm · Sash: 67 mm
- RENOVIERUNG - Flosse: 35 mm · Rahmen: 54 mm · Flügel: 67 mm
- RINNOVAZIONE - Aletta da: 35 mm · Telaio: 54 mm · Anta: 67 mm
- RENOVATIE - Vin: 35 mm · Kozijn: 54 mm · Vleugel: 67 mm



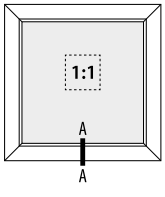


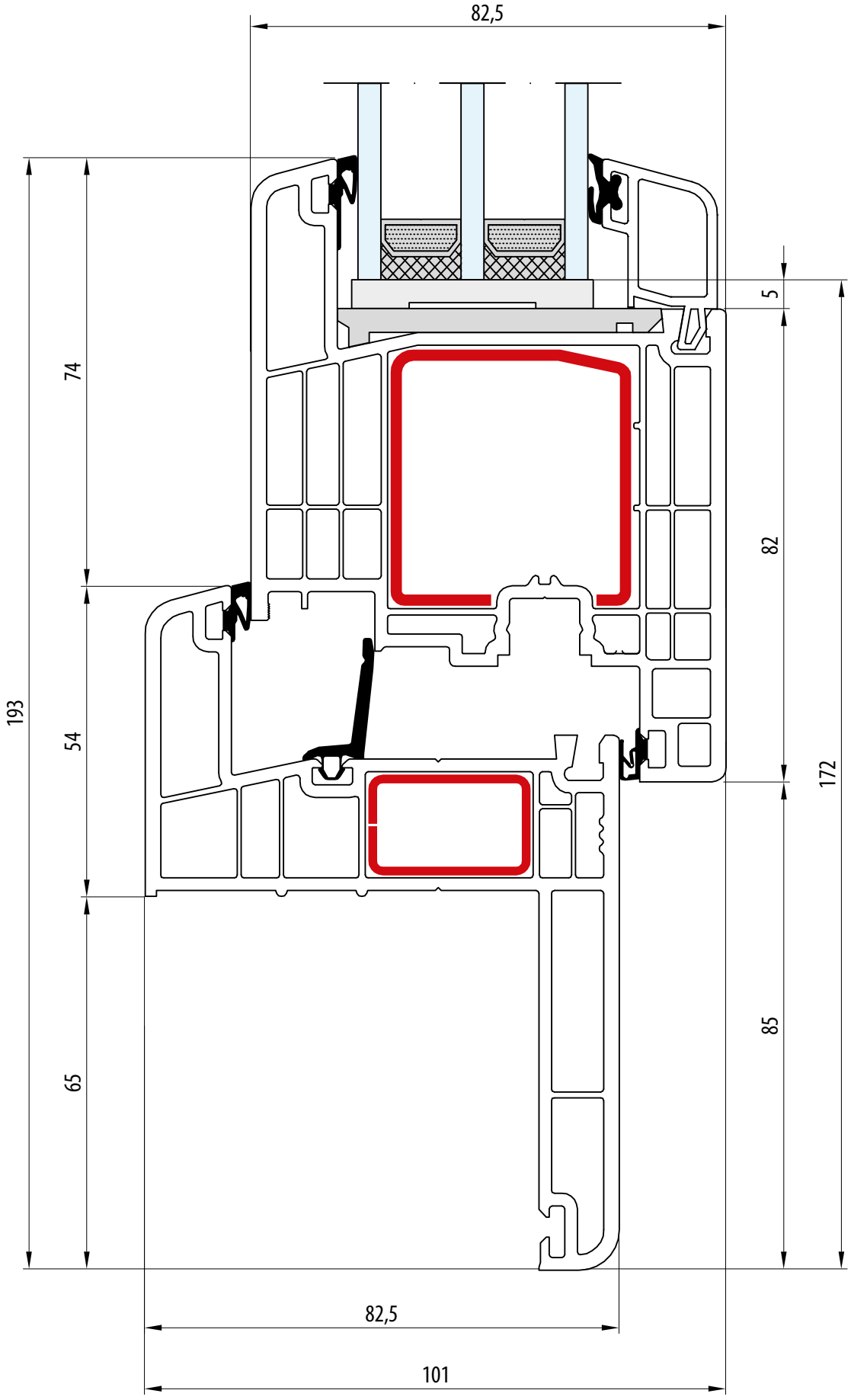

RENOWACJA - Płetwa: 35 mm · Rama: 54 mm · Skrzydło: 74 mm
RÉNOVATION - Lip: 35 mm · Dormant: 54 mm · Vantail: 74 mm
RENOVATION - Strip: 35 mm · Frame: 54 mm · Sash: 74 mm
RENOVIERUNG - Flosse: 35 mm · Rahmen: 54 mm · Flügel: 74 mm
RINNOVAZIONE - Aletta da: 35 mm · Telaio: 54 mm · Anta: 74 mm
RENOVATIE - Vin: 35 mm · Kozijn: 54 mm · Vleugel: 74 mm



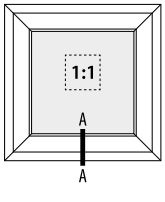


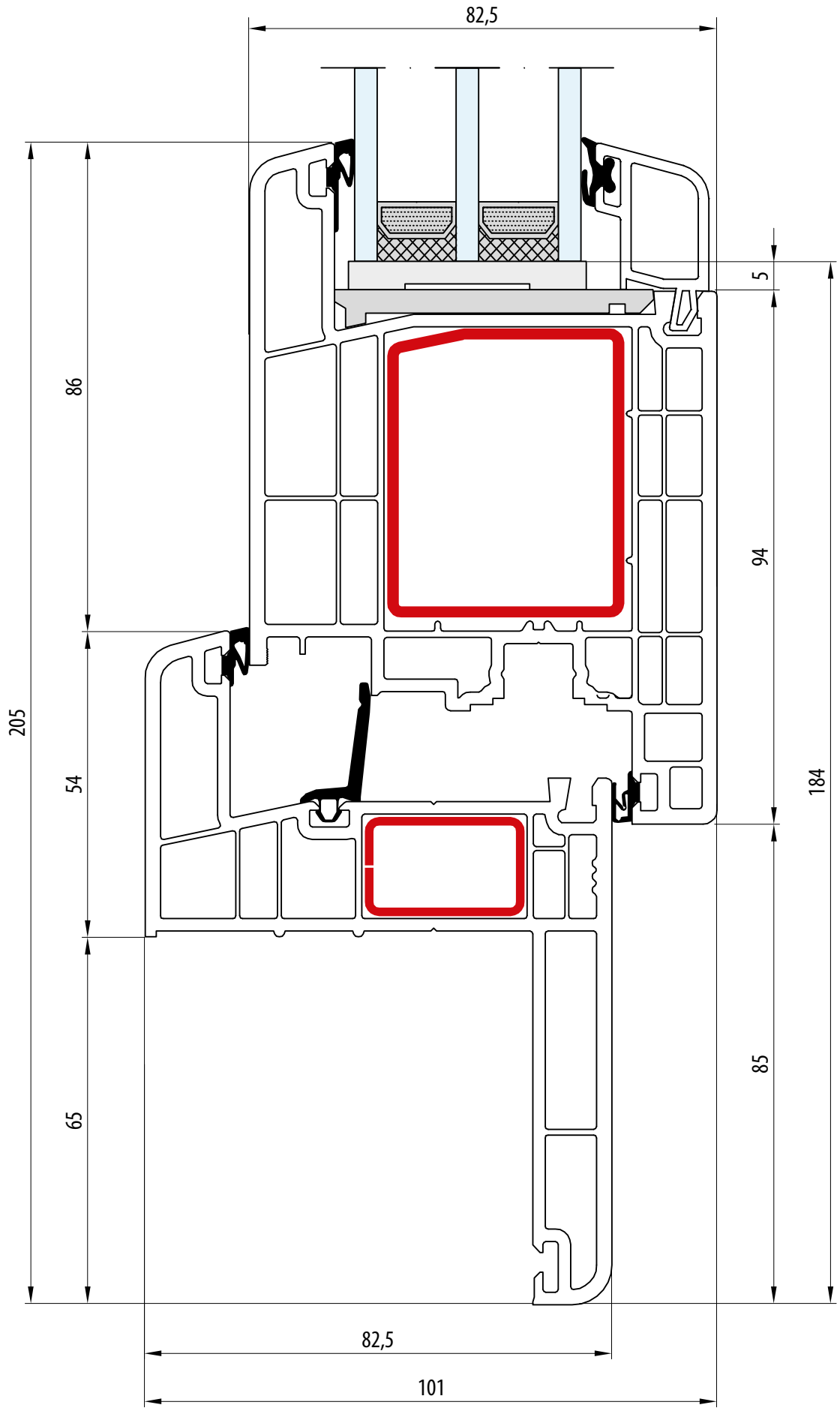

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm
RENOVATIE - Vin: 65 mm · Kozijn: 54 mm



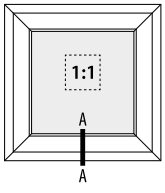


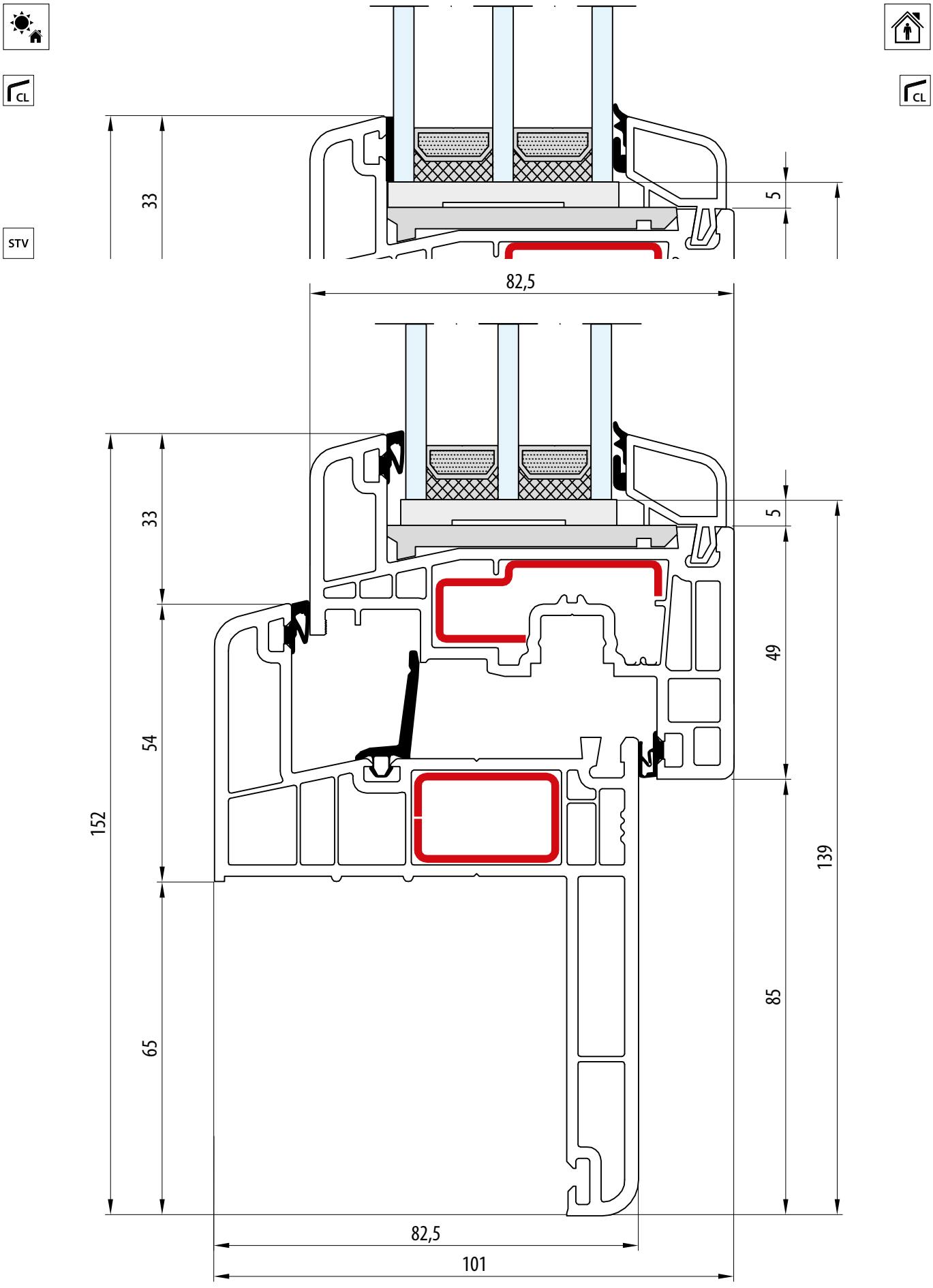

RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 108 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 108 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 108 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 108 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 108 mm
RENOVATIE - Vin: 65 mm · Kozijn: 54 mm · Vleugel: 108 mm



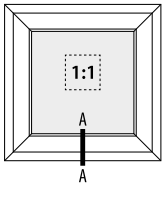


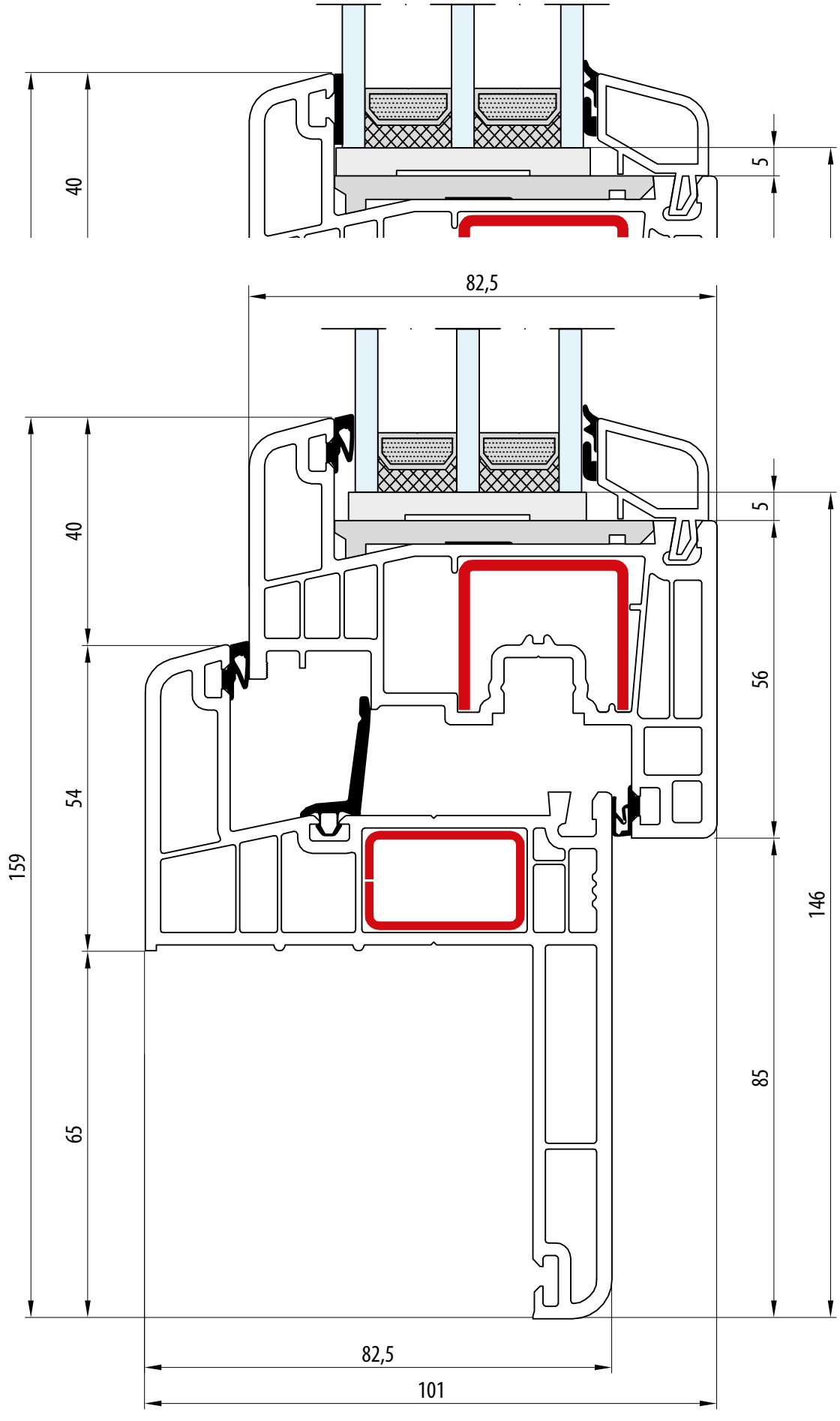

- RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 120 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 120 mm
- RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 120 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 120 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 120 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 54 mm · Vleugel: 120 mm



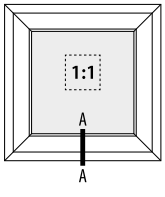


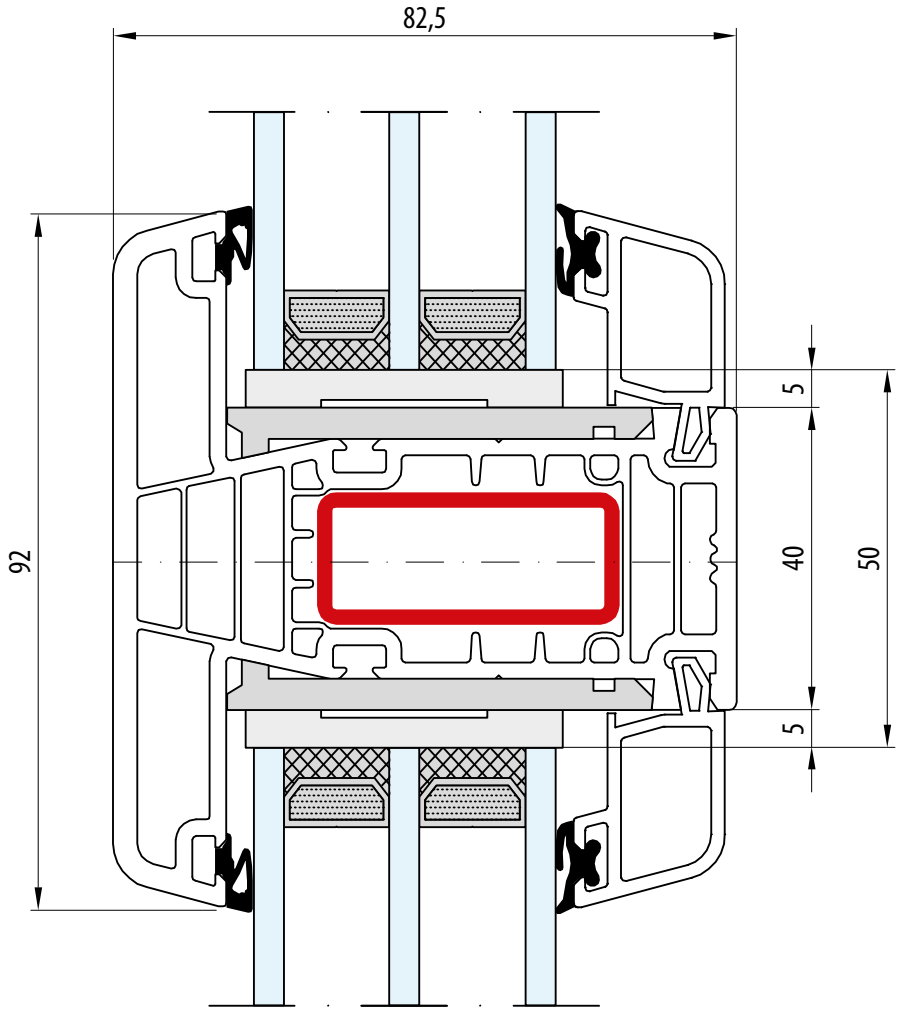

- RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 67 mm
- RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 67 mm
- RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 67 mm
- RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 67 mm
- RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 67 mm
- RENOVATIE - Vin: 65 mm · Kozijn: 54 mm · Vleugel: 67 mm



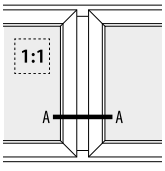



RENOWACJA - Płetwa: 65 mm · Rama: 54 mm · Skrzydło: 74 mm
RÉNOVATION - Lip: 65 mm · Dormant: 54 mm · Vantail: 74 mm
RENOVATION - Strip: 65 mm · Frame: 54 mm · Sash: 74 mm
RENOVIERUNG - Flosse: 65 mm · Rahmen: 54 mm · Flügel: 74 mm
RINNOVAZIONE - Aletta da: 65 mm · Telaio: 54 mm · Anta: 74 mm
RENOVATIE - Vin: 65 mm · Kozijn: 54 mm · Vleugel: 74 mm





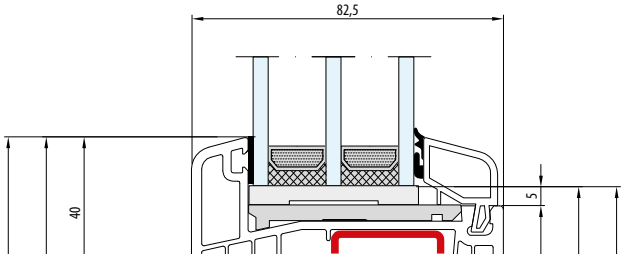

- Słupek stały: 92 mm
- Meneau fixe: 92 mm
- Fix post: 92 mm
- Festem Pfahl: 92 mm
- Montante fisso: 92 mm
- Vaste stijl: 92 mm

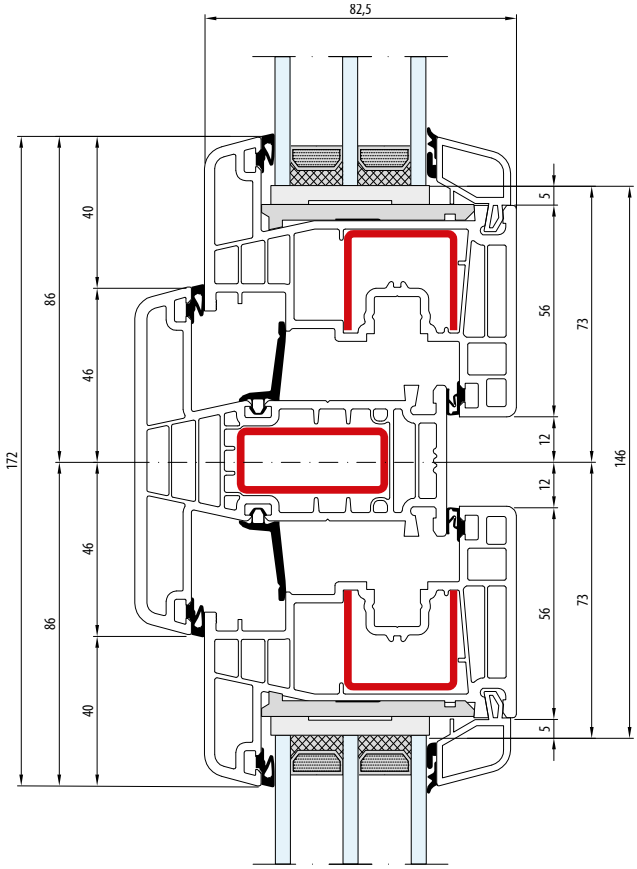


CL

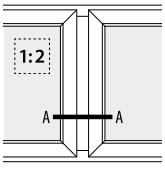
CL

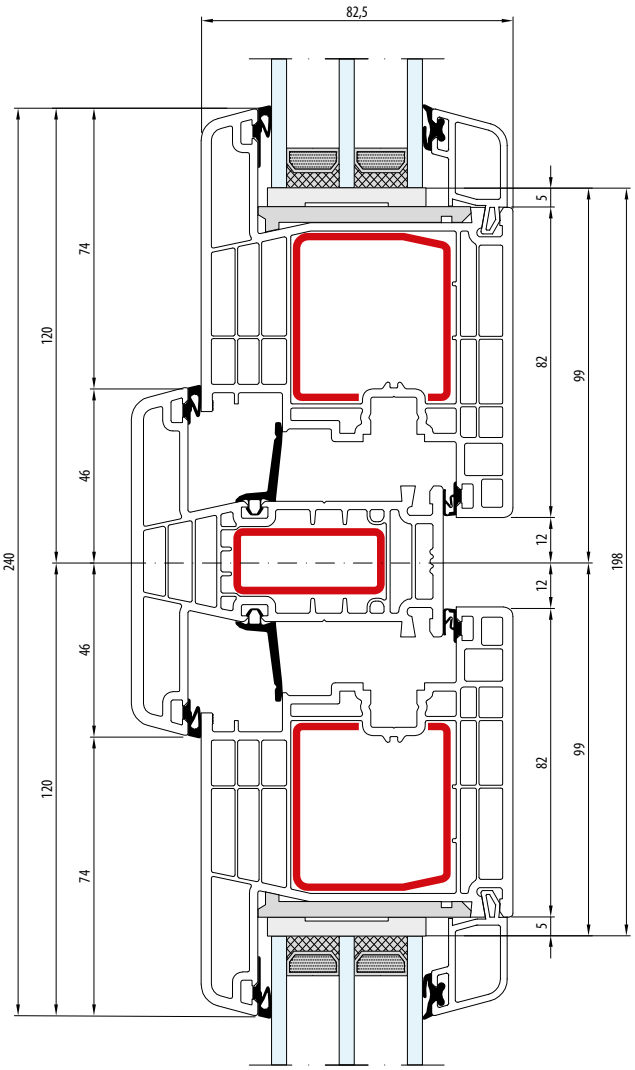
STV



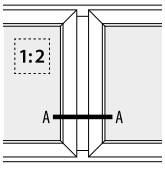



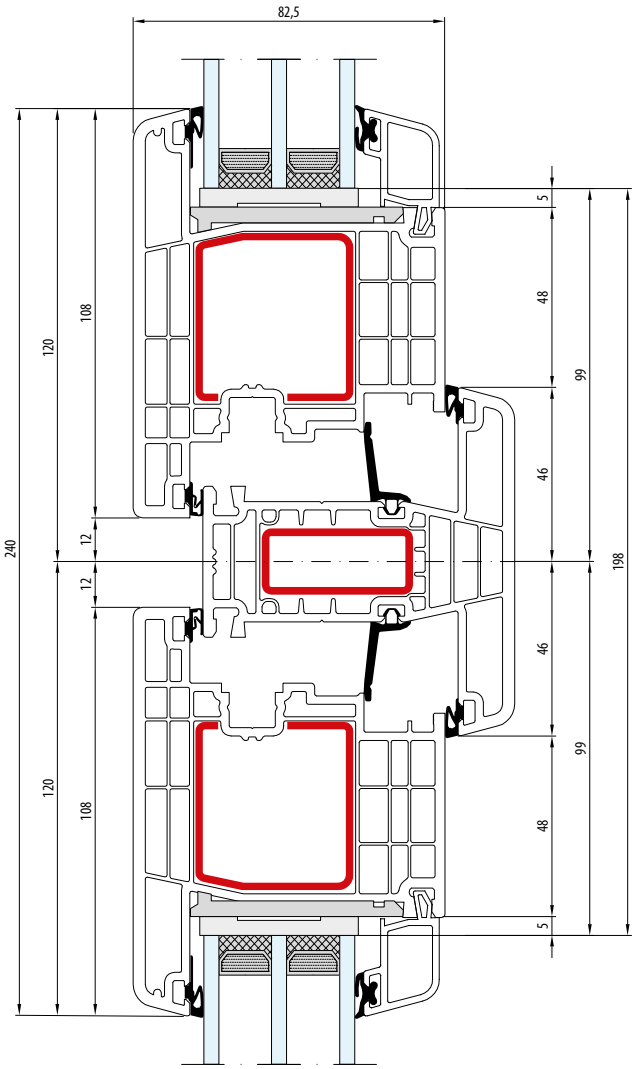

- Słupek stały: 92 mm · Skrzydło: 74 mm
- Meneau fixe: 92 mm · Vantail: 74 mm
- Fix post: 92 mm · Sash: 74 mm
- Festem Pfahl: 92 mm · Flügel: 74 mm
- Montante fisso: 92 mm · Anta: 74 mm
- Vaste stijl: 92 mm · Vleugel: 74 mm



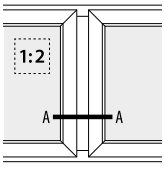



- Słupek stały: 92 mm · Skrzydło: 108 mm
- Meneau fixe: 92 mm · Vantail: 108 mm
- Fix post: 92 mm · Sash: 108 mm
- Festem Pfahl: 92 mm · Flügel: 108 mm
- Montante fisso: 92 mm · Anta: 108 mm
- Vaste stijl: 92 mm · Vleugel: 108 mm





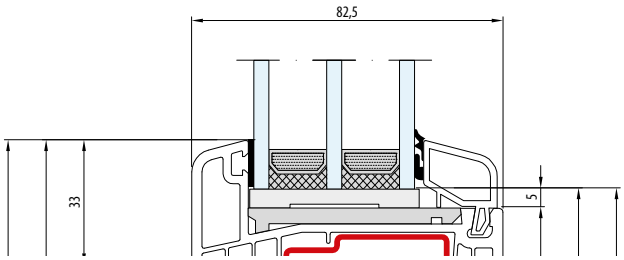

- Słupek stały: 92 mm · Skrzydło: 108 mm
- Meneau fixe: 92 mm · Vantail: 108 mm
- Fix post: 92 mm · Sash: 108 mm
- Festem Pfahl: 92 mm · Flügel: 108 mm
- Montante fisso: 92 mm · Anta: 108 mm
- Vaste stijl: 92 mm · Vleugel: 108 mm

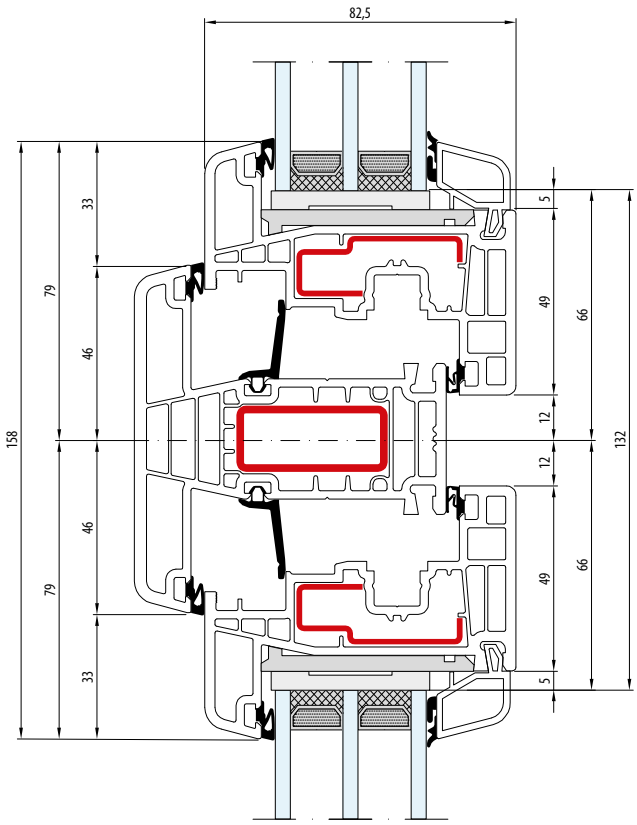


CL

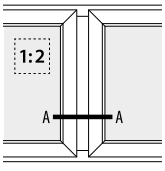
CL

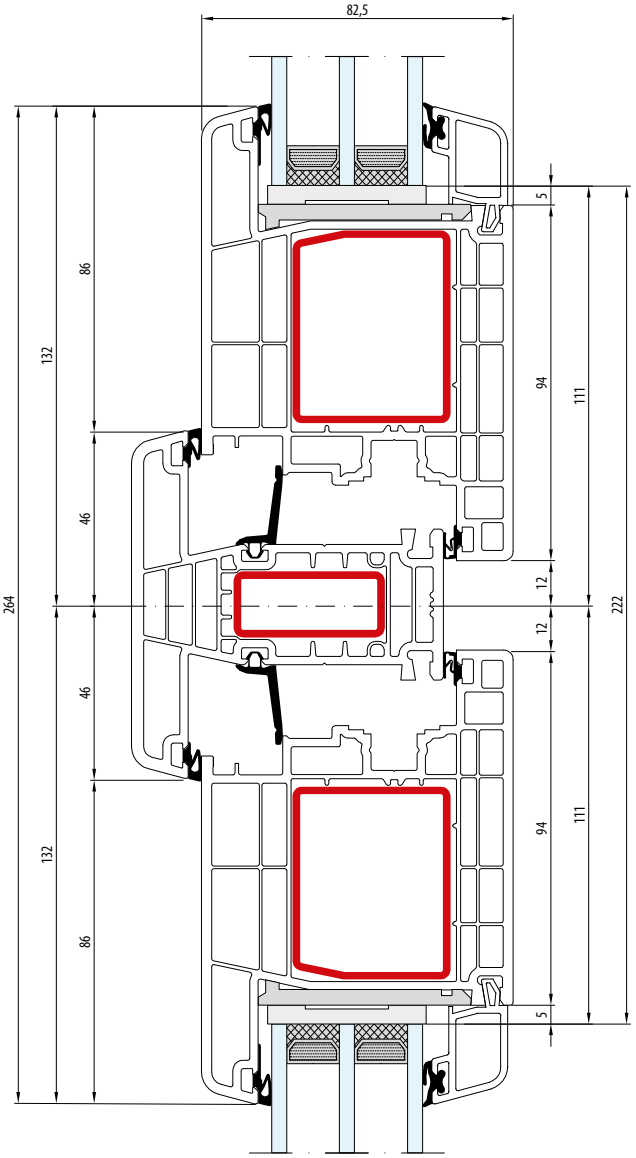
STV



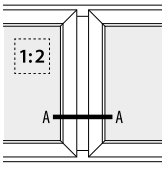



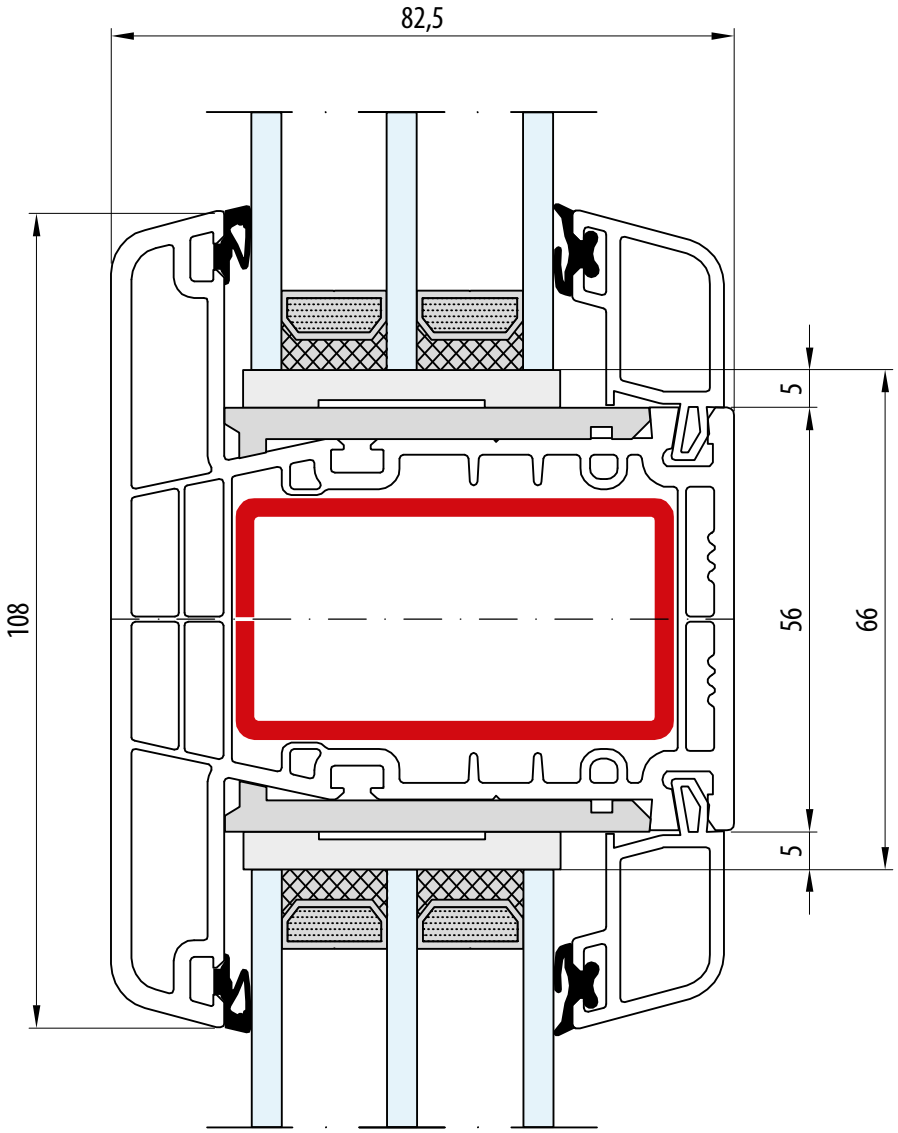

- Słupek stały: 108 mm · Skrzydło: 67 mm
- Meneau fixe: 108 mm · Vantail: 67 mm
- Fix post: 108 mm · Sash: 67 mm
- Festem Pfahl: 108 mm · Flügel: 67 mm
- Montante fisso: 108 mm · Anta: 67 mm
- Vaste stijl: 108 mm · Vleugel: 67 mm



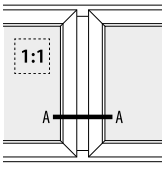



- Słupek stały: 92 mm · Skrzydło: 120 mm
- Meneau fixe: 92 mm · Vantail: 120 mm
- Fix post: 92 mm · Sash: 120 mm
- Festem Pfahl: 92 mm · Flügel: 120 mm
- Montante fisso: 92 mm · Anta: 120 mm
- Vaste stijl: 92 mm · Vleugel: 120 mm





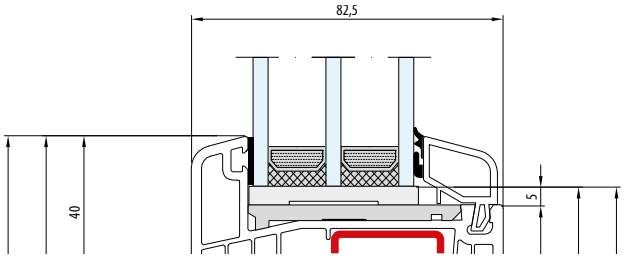

- Słupek stały: 108 mm
- Meneau fixe: 108 mm
- Fix post: 108 mm
- Festem Pfahl: 108 mm
- Montante fisso: 108 mm
- Vaste stijl: 108 mm

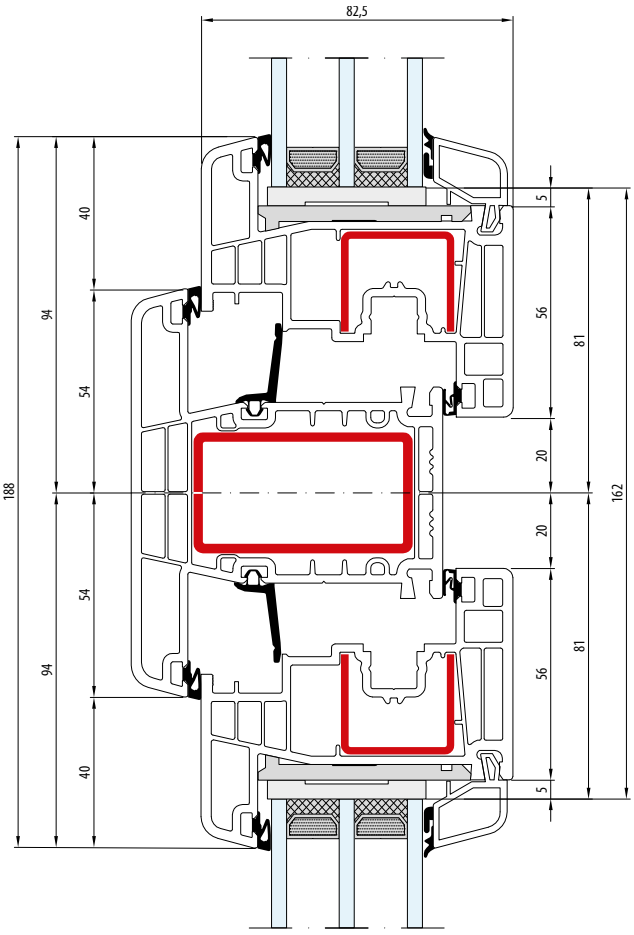


CL

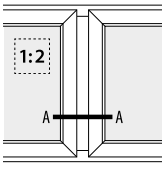
CL

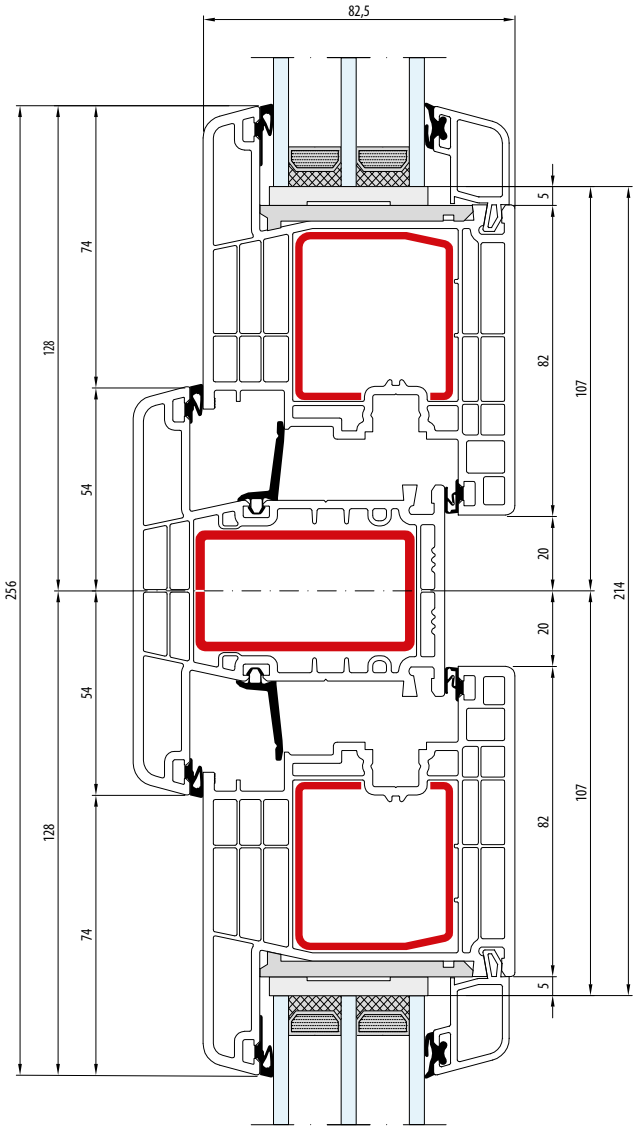
STV



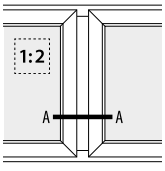



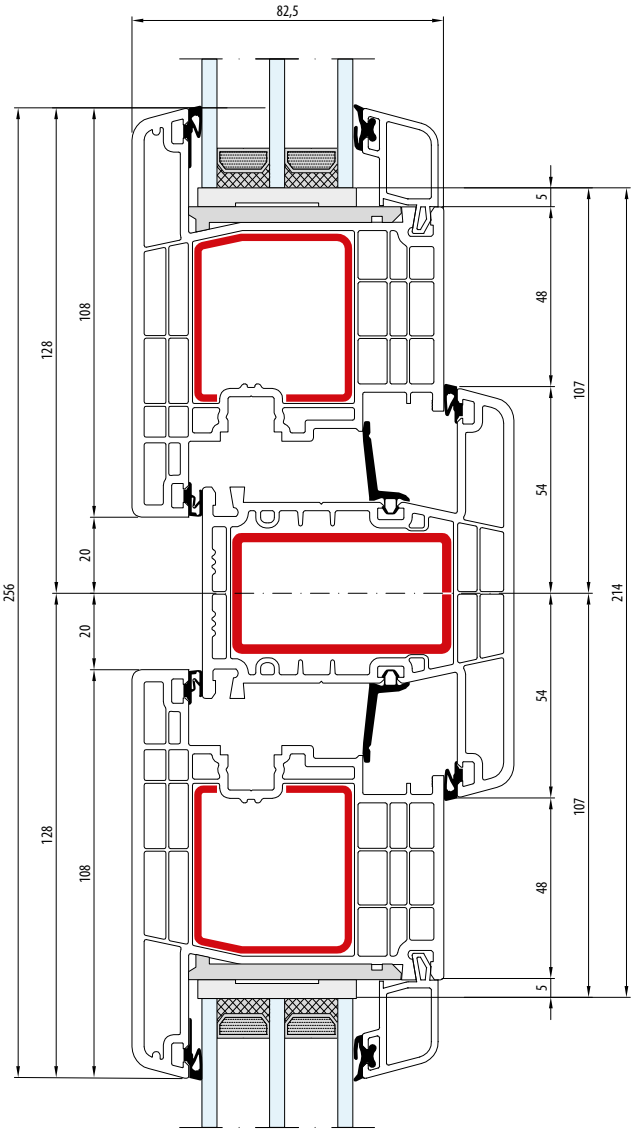

- Słupek stały: 108 mm · Skrzydło: 74 mm
- Meneau fixe: 108 mm · Vantail: 74 mm
- Fix post: 108 mm · Sash: 74 mm
- Festem Pfahl: 108 mm · Flügel: 74 mm
- Montante fisso: 108 mm · Anta: 74 mm
- Vaste stijl: 108 mm · Vleugel: 74 mm



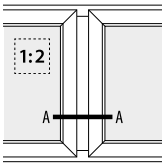



- Słupek stały: 108 mm · Skrzydło: 108 mm
- Meneau fixe: 108 mm · Vantail: 108 mm
- Fix post: 108 mm · Sash: 108 mm
- Festem Pfahl: 108 mm · Flügel: 108 mm
- Montante fisso: 108 mm · Anta: 108 mm
- Vaste stijl: 108 mm · Vleugel: 108 mm





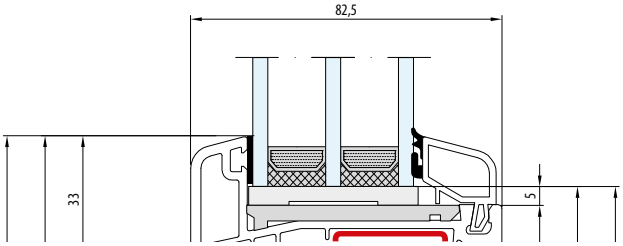

- Słupek stały: 108 mm · Skrzydło: 108 mm
- Meneau fixe: 108 mm · Vantail: 108 mm
- Fix post: 108 mm · Sash: 108 mm
- Festem Pfahl: 108 mm · Flügel: 108 mm
- Montante fisso: 108 mm · Anta: 108 mm
- Vaste stijl: 108 mm · Vleugel: 108 mm

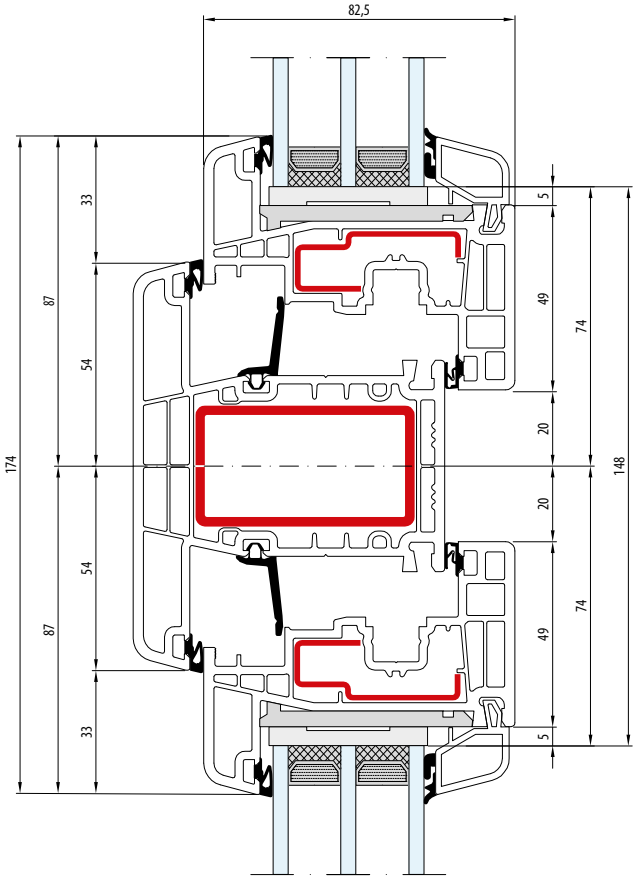


CL

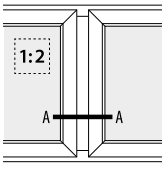
CL

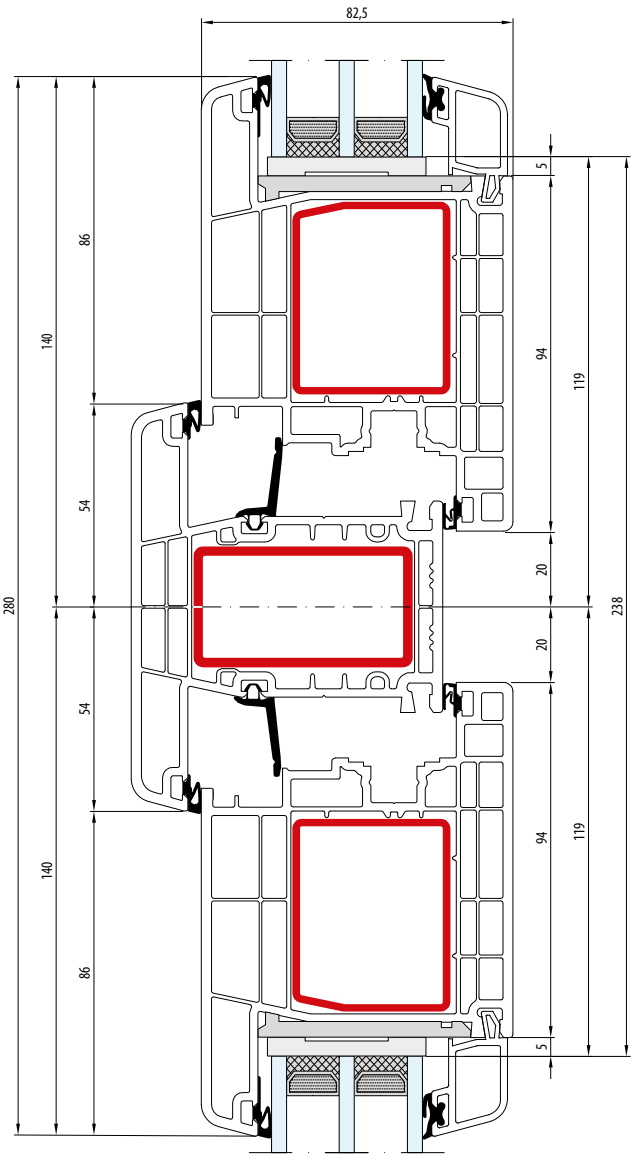
STV



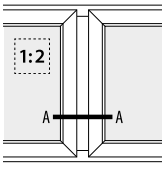



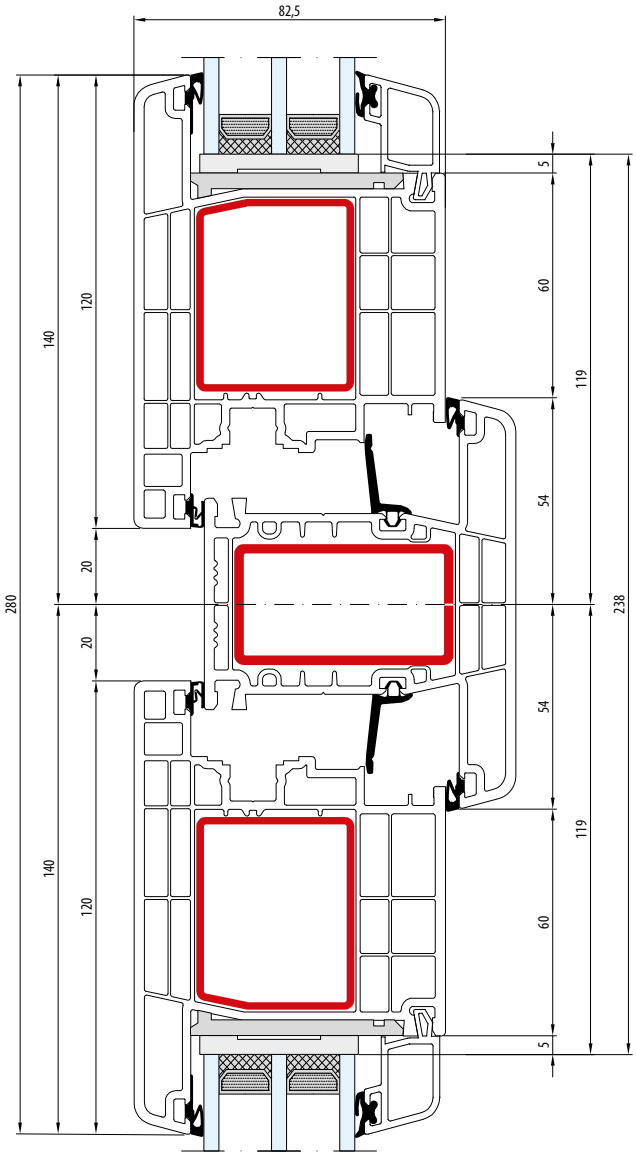

- Słupek stały: 108 mm · Skrzydło: 67 mm
- Meneau fixe: 108 mm · Vantail: 67 mm
- Fix post: 108 mm · Sash: 67 mm
- Festem Pfahl: 108 mm · Flügel: 67 mm
- Montante fisso: 108 mm · Anta: 67 mm
- Vaste stijl: 108 mm · Vleugel: 67 mm



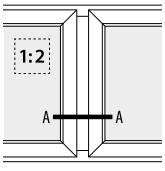



Słupek stały: 108 mm · Skrzydło: 120 mm
Meneau fixe: 108 mm · Vantail: 120 mm
Fix post: 108 mm · Sash: 120 mm
Festem Pfahl: 108 mm · Flügel: 120 mm
Montante fisso: 108 mm · Anta: 120 mm
Montante fisso: 108 mm · Vleugel: 120 mm





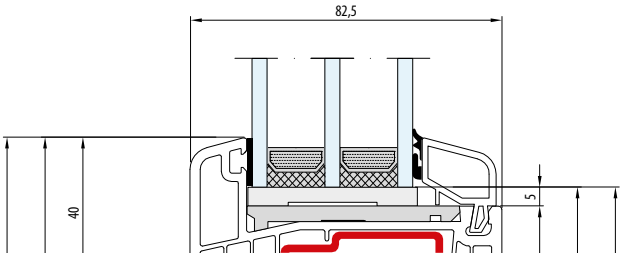

- Słupek stały: 108 mm · Skrzydło: 120 mm
- Meneau fixe: 108 mm · Vantail: 120 mm
- Fix post: 108 mm · Sash: 120 mm
- Festem Pfahl: 108 mm · Flügel: 120 mm
- Montante fisso: 108 mm · Anta: 120 mm
- Vaste stijl: 108 mm · Vleugel: 120 mm

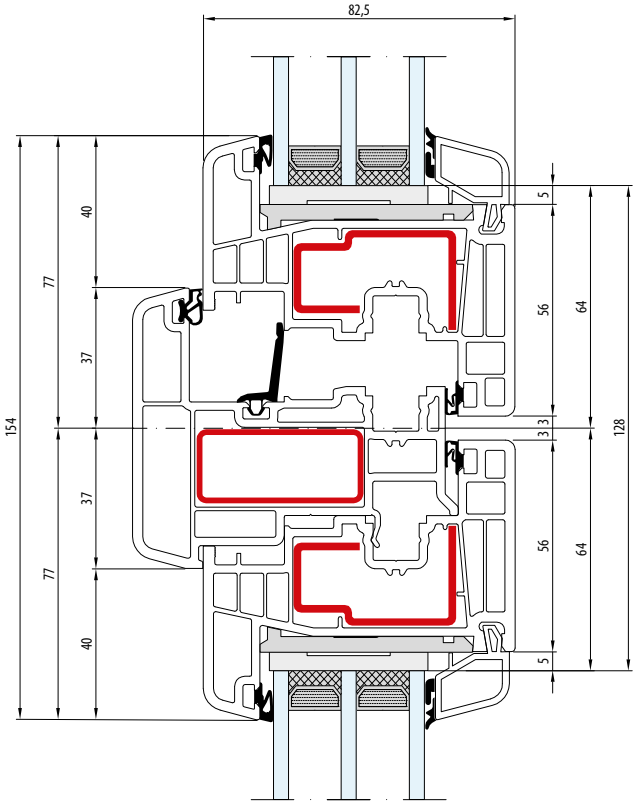


CL

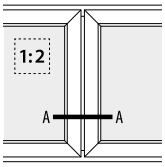
CL

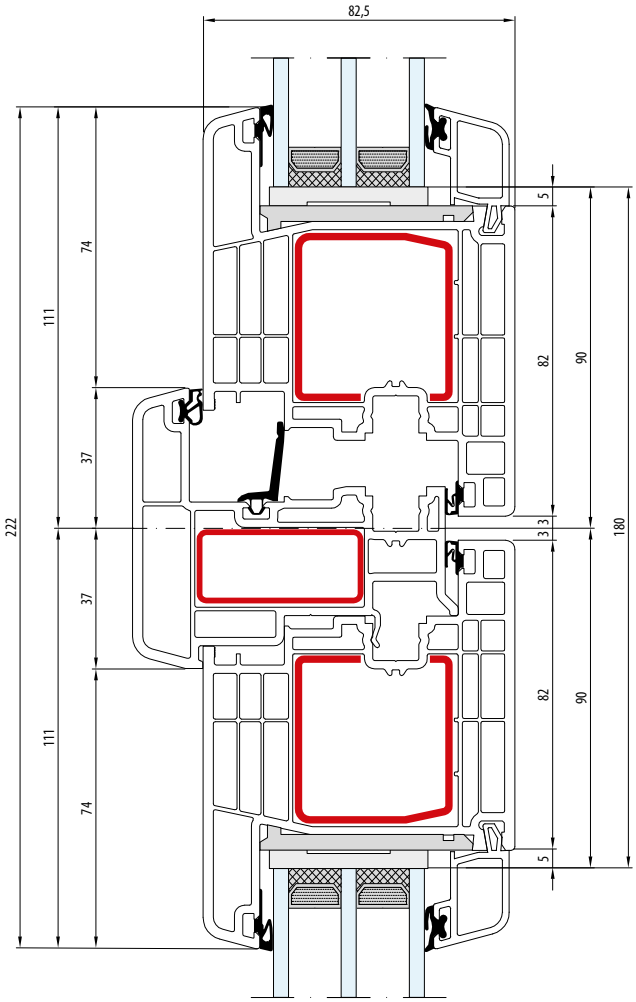
STV



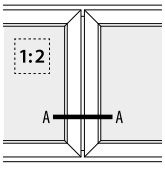



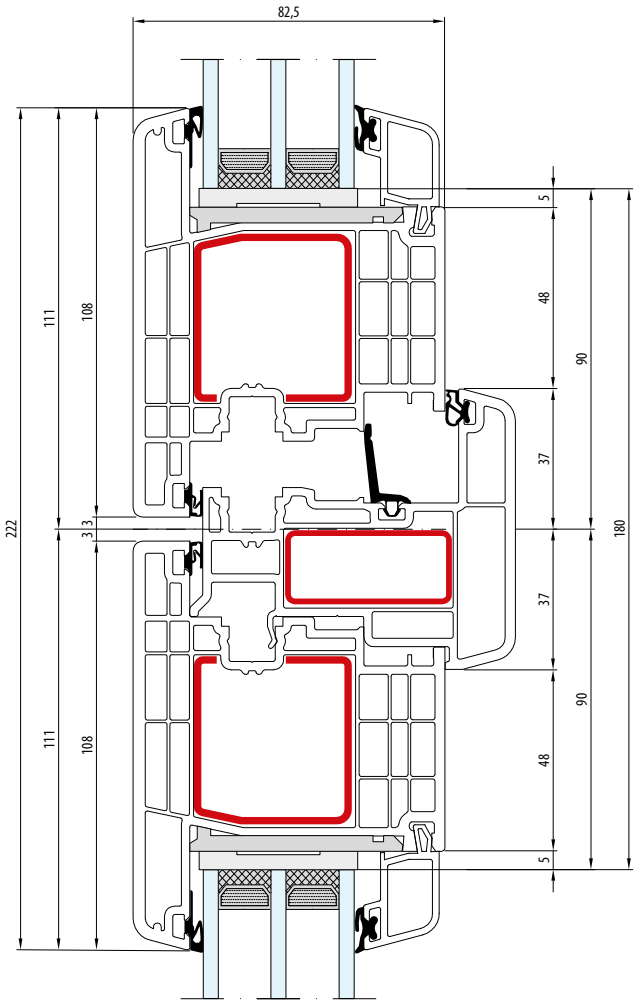

- Słupek ruchomy: 74 mm · Skrzydło: 74 mm
- Meneau mobile: 74 mm · Vantail: 74 mm
- Movable post: 74 mm · Sash: 74 mm
- Stulp: 74 mm · Flügel: 74 mm
- Montante mobile: 74 mm · Anta: 74 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 74 mm



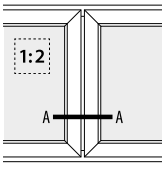



- Słupek ruchomy: 74 mm · Skrzydło: 108 mm
- Meneau mobile: 74 mm · Vantail: 108 mm
- Movable post: 74 mm · Sash: 108 mm
- Stulp: 74 mm · Flügel: 108 mm
- Montante mobile: 74 mm · Anta: 108 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 108 mm





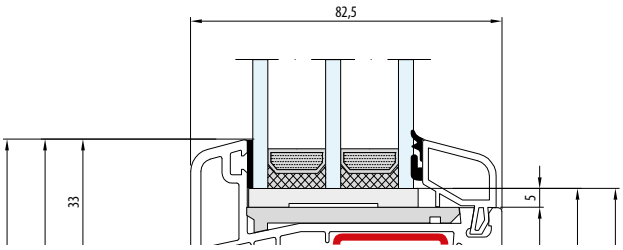

- Słupek ruchomy: 74 mm · Skrzydło: 108 mm
- Meneau mobile: 74 mm · Vantail: 108 mm
- Movable post: 74 mm · Sash: 108 mm
- Stulp: 74 mm · Flügel: 108 mm
- Montante mobile: 74 mm · Anta: 108 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 108 mm

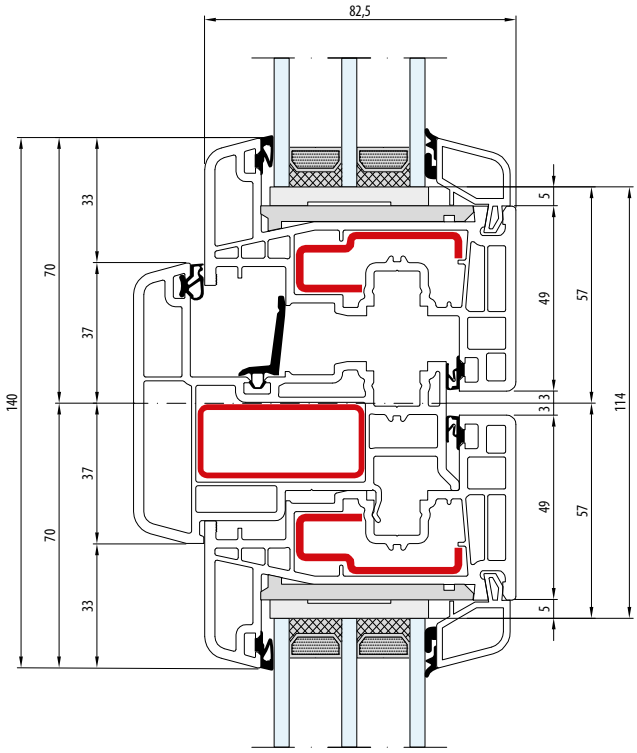


CL

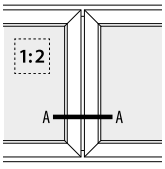
CL

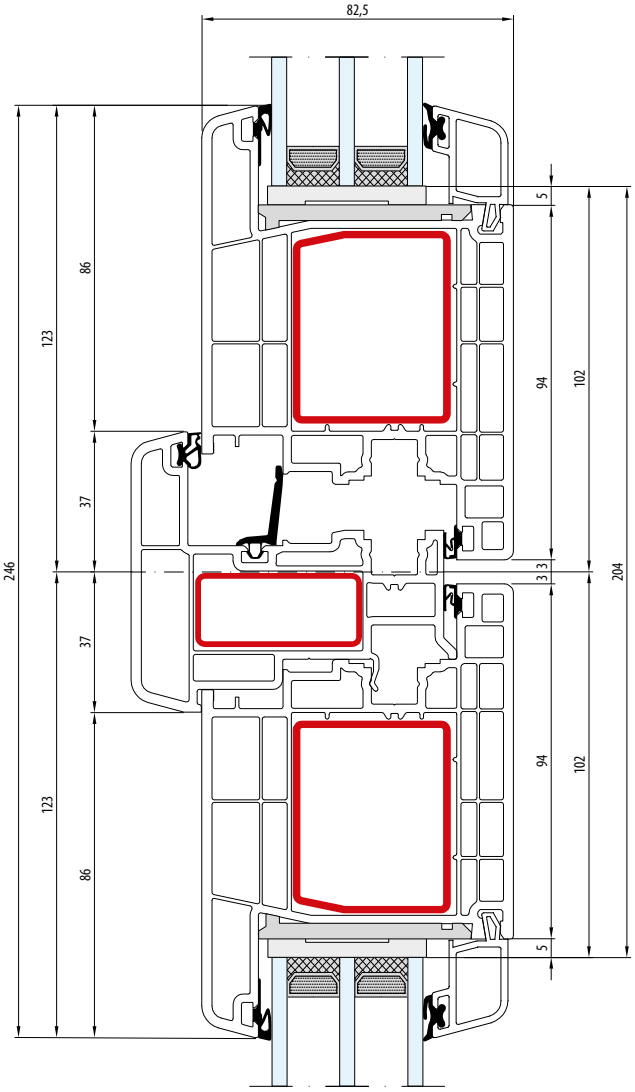
STV



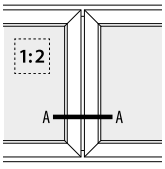



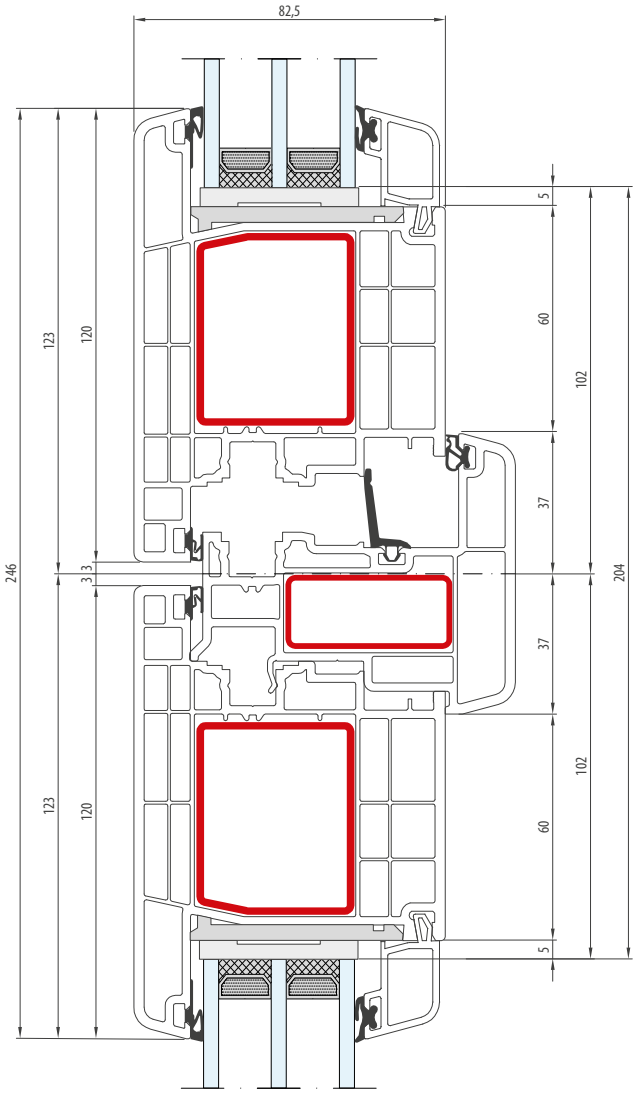

- Słupek ruchomy: 74 mm · Skrzydło: 67 mm
- Meneau mobile: 74 mm · Vantail: 67 mm
- Movable post: 74 mm · Sash: 67 mm
- Stulp: 74 mm · Flügel: 67 mm
- Montante mobile: 74 mm · Anta: 67 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 67 mm



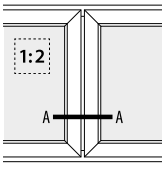



- Słupek ruchomy: 74 mm · Skrzydło: 120 mm
- Meneau mobile: 74 mm · Vantail: 120 mm
- Movable post: 74 mm · Sash: 120 mm
- Stulp: 74 mm · Flügel: 120 mm
- Montante mobile: 74 mm · Anta: 120 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 120 mm





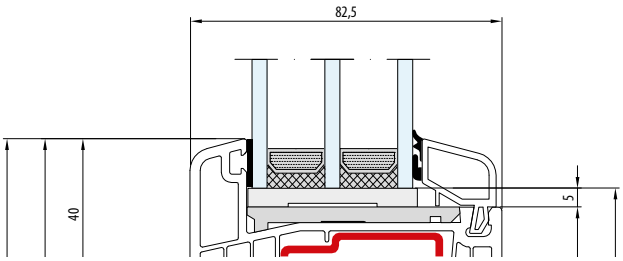

- Słupek ruchomy: 74 mm · Skrzydło: 120 mm
- Meneau mobile: 74 mm · Vantail: 120 mm
- Movable post: 74 mm · Sash: 120 mm
- Stulp: 74 mm · Flügel: 120 mm
- Montante mobile: 74 mm · Anta: 120 mm
- Verplaatsbare stijl: 74 mm · Vleugel: 120 mm

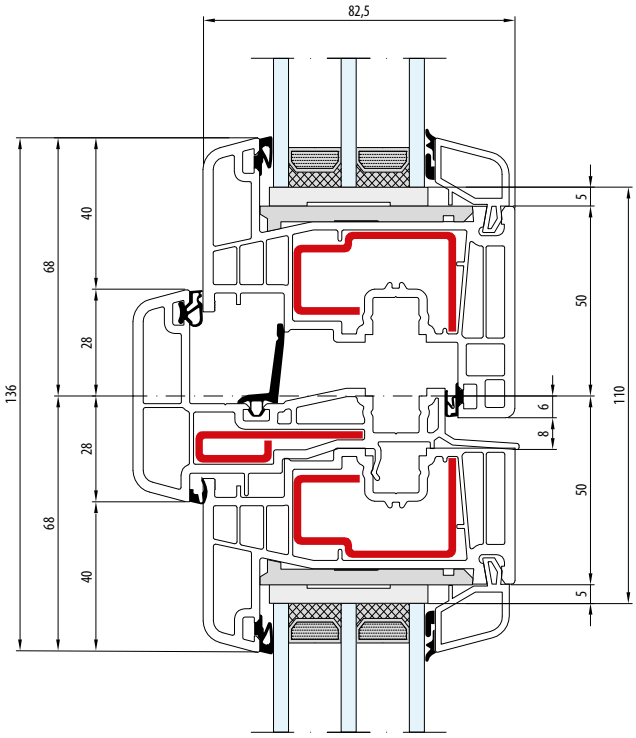


CL

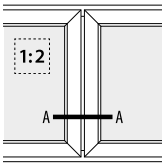
CL

STV



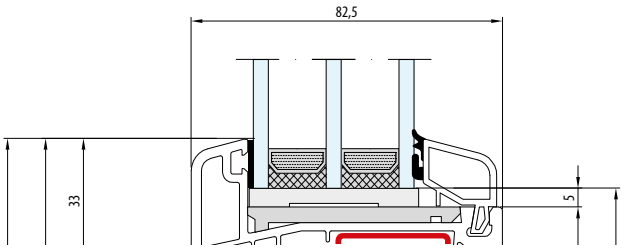

- Słupek ruchomy: 56 mm · Skrzydło: 74 mm / 54 mm
- Meneau mobile: 56 mm · Vantail: 74 mm / 54 mm
- Movable post: 56 mm · Sash: 74 mm / 54 mm
- Stulp: 56 mm · Flügel: 74 mm / 54 mm
- Montante mobile: 56 mm · Anta: 74 mm / 54 mm
- Verplaatsbare stijl: 56 mm · Vleugel: 74 mm / 54 mm

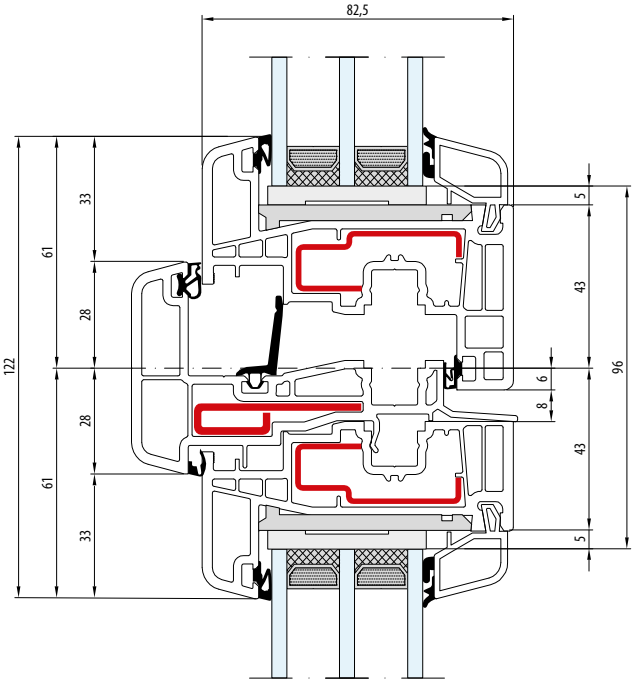


CL

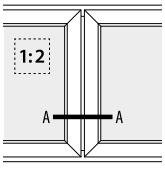
CL

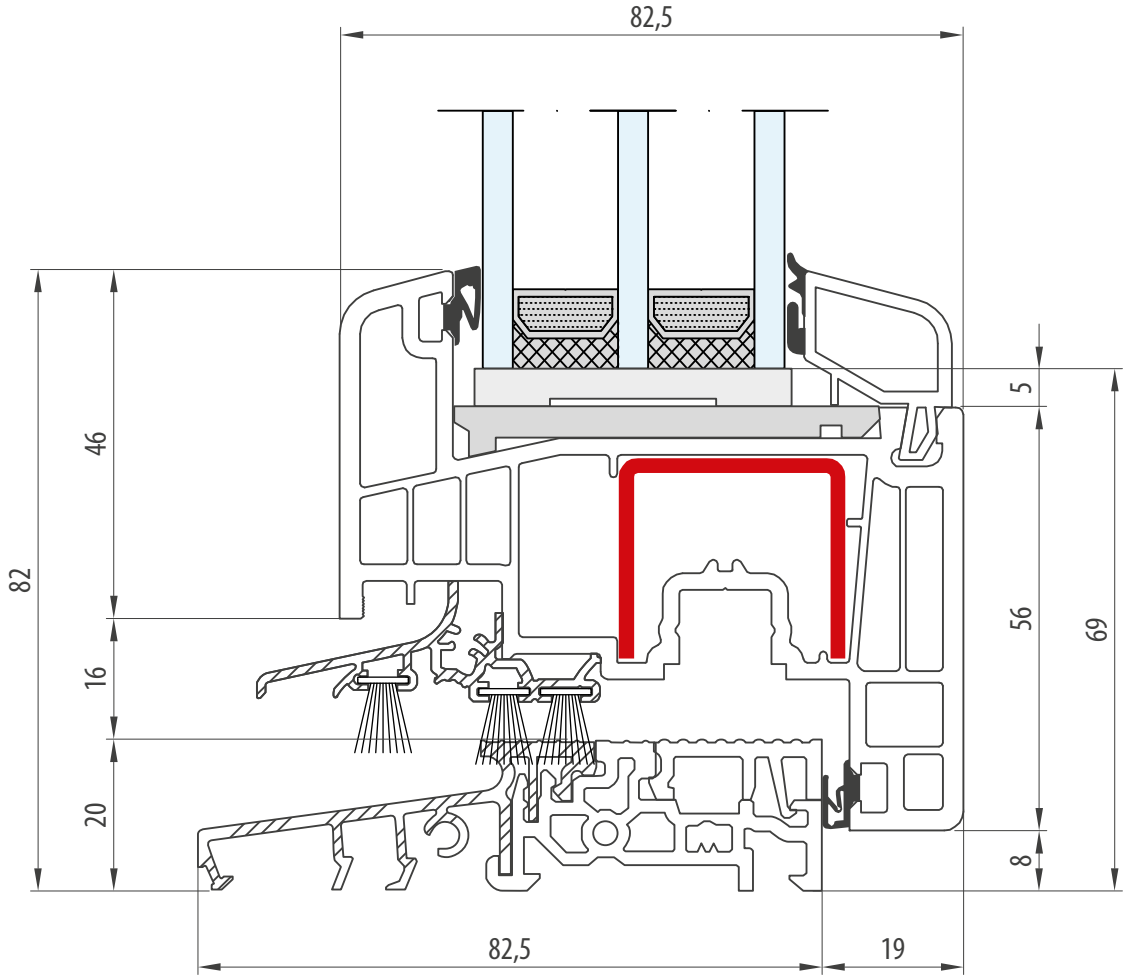
STV



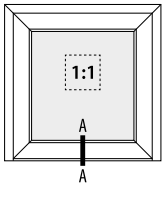



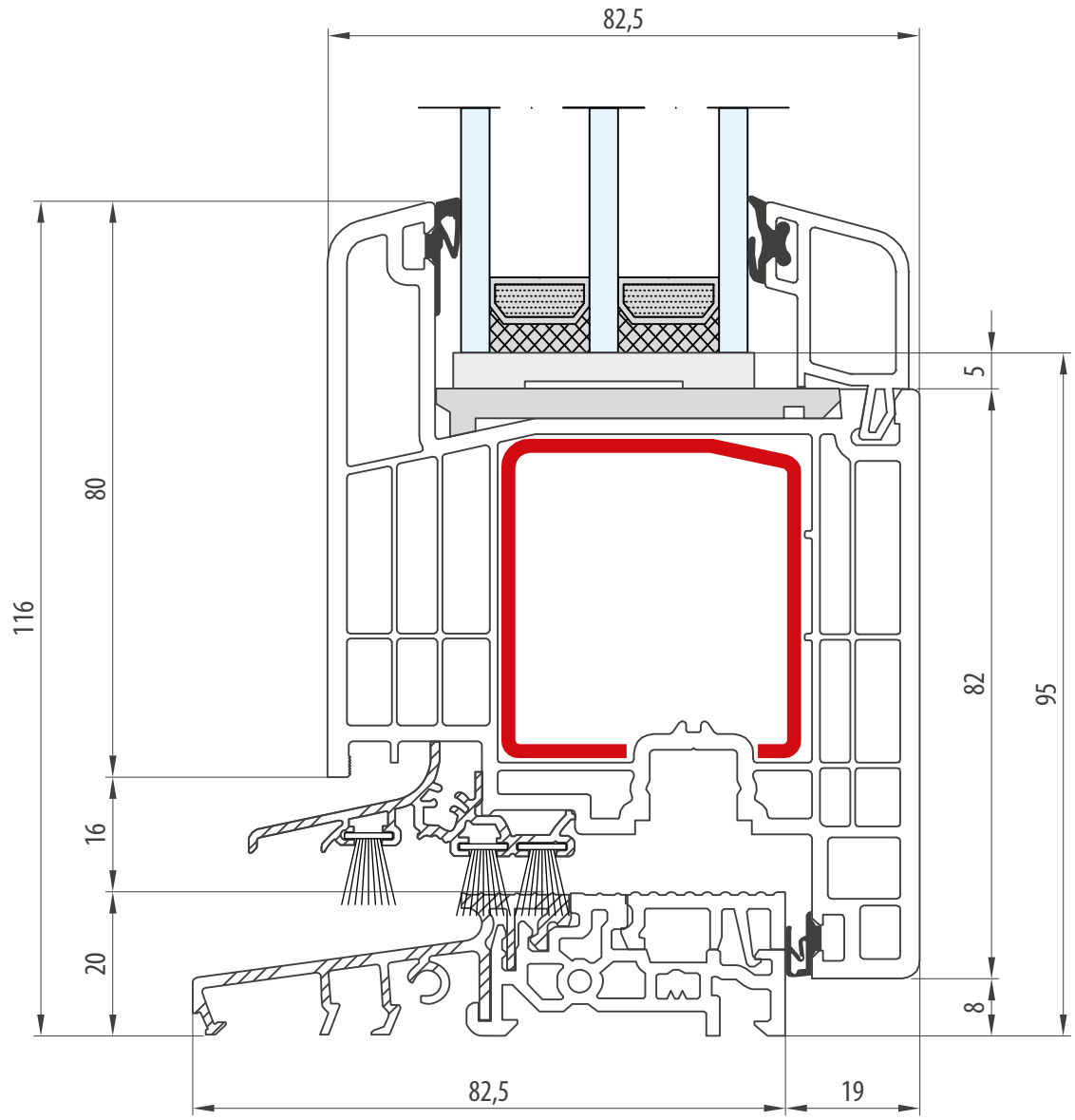

- Słupek ruchomy: 56 mm · Skrzydło: 67 mm / 47 mm
- Meneau mobile: 56 mm · Vantail: 67 mm / 47 mm
- Movable post: 56 mm · Sash: 67 mm / 47 mm
- Stulp: 56 mm · Flügel: 67 mm / 47 mm
- Montante mobile: 56 mm · Anta: 67 mm / 47 mm
- Verplaatsbare stijl: 56 mm · Vleugel: 67 mm / 47 mm



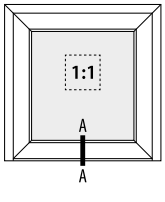


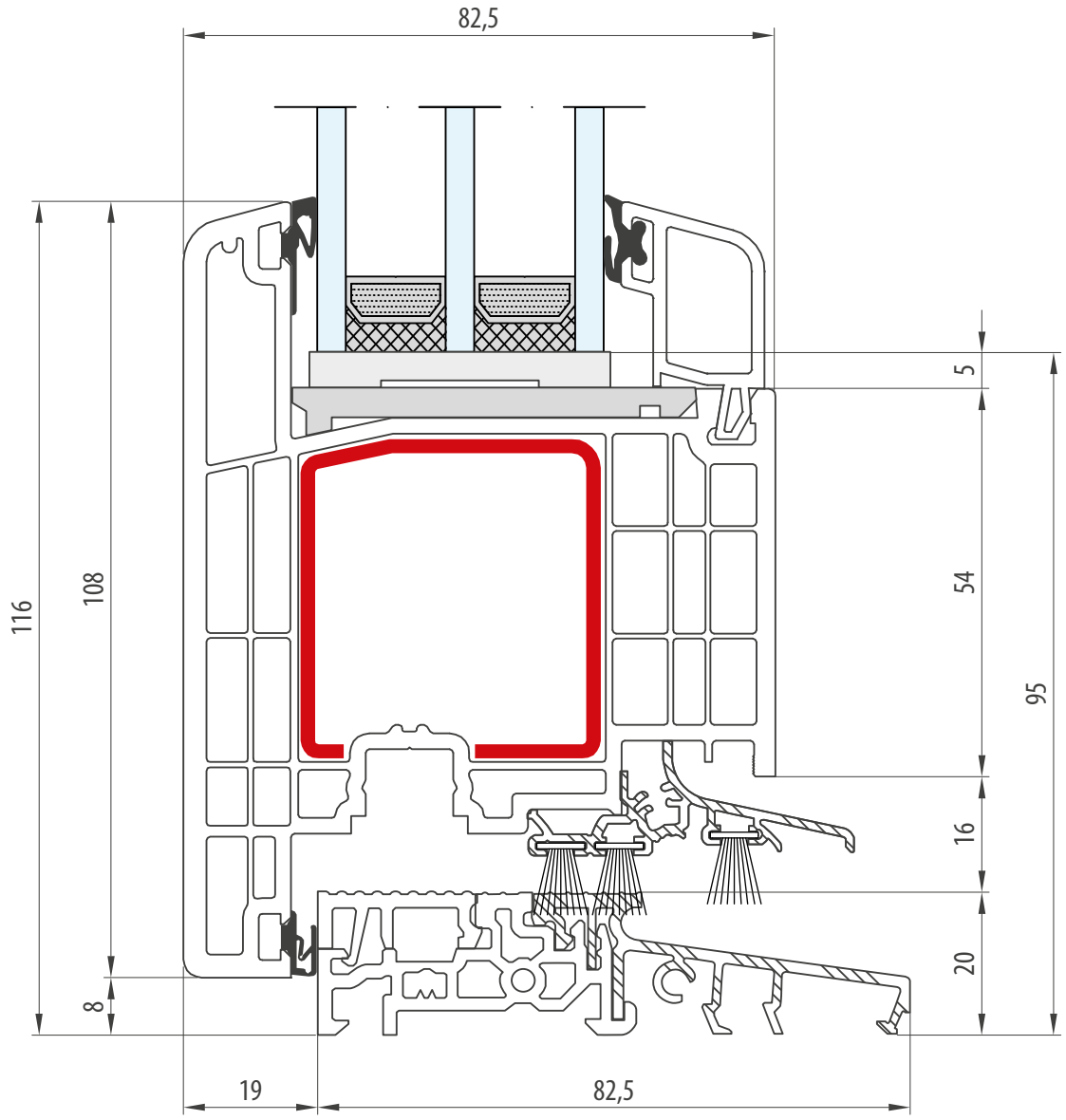

- Próg: 20 mm · Skrzydło: 74 mm
- Seuil: 20 mm · Vantail: 74 mm
- Threshold: 20 mm · Sash: 74 mm
- Schwelle: 20 mm · Flügel: 74 mm
- Soglia: 20 mm · Anta: 74 mm
- Dorpel: 20 mm · Vleugel: 74 mm



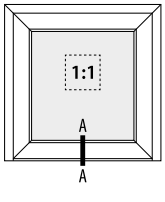


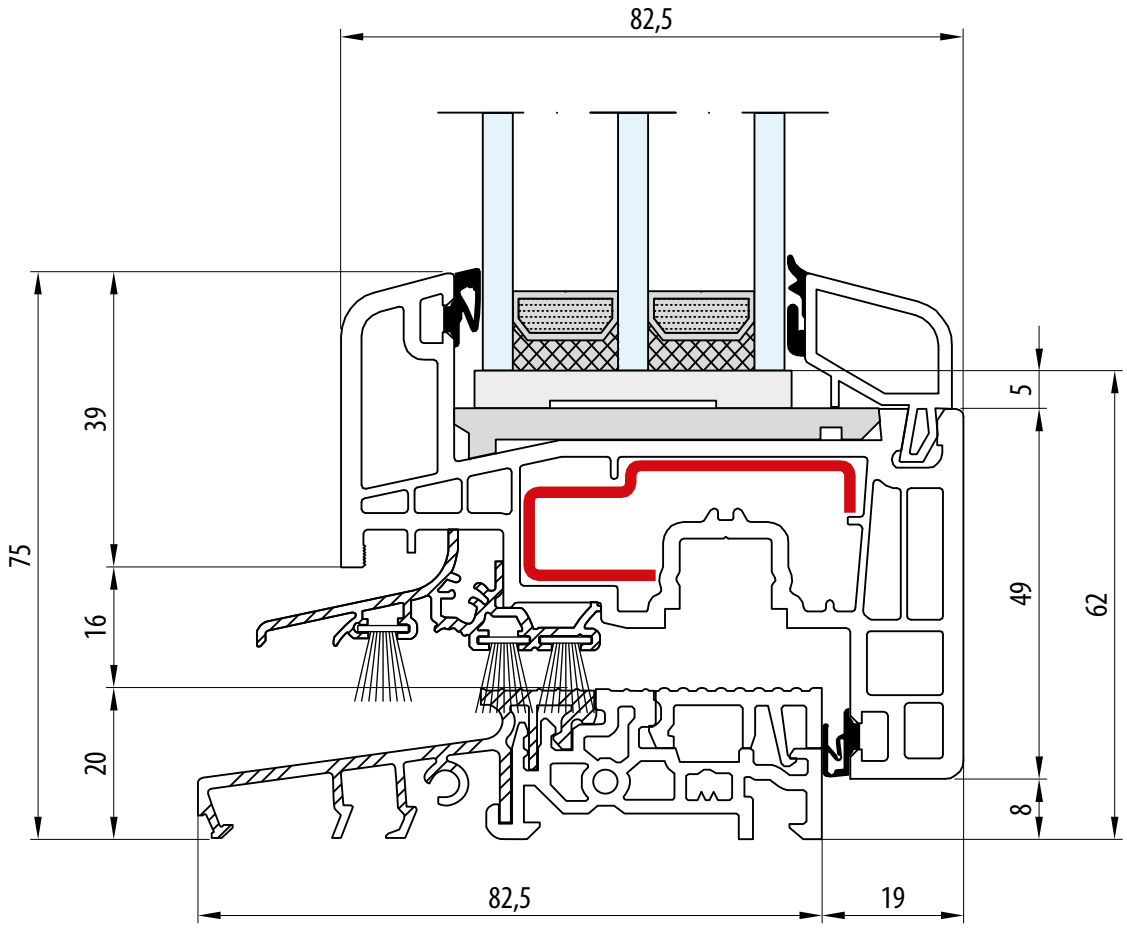

- Próg: 20 mm · Skrzydło: 108 mm
- Seuil: 20 mm · Vantail: 108 mm
- Threshold: 20 mm · Sash: 108 mm
- Schwelle: 20 mm · Flügel: 108 mm
- Soglia: 20 mm · Anta: 108 mm
- Dorpel: 20 mm · Vleugel: 108 mm



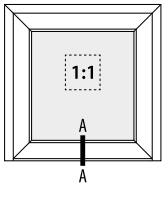


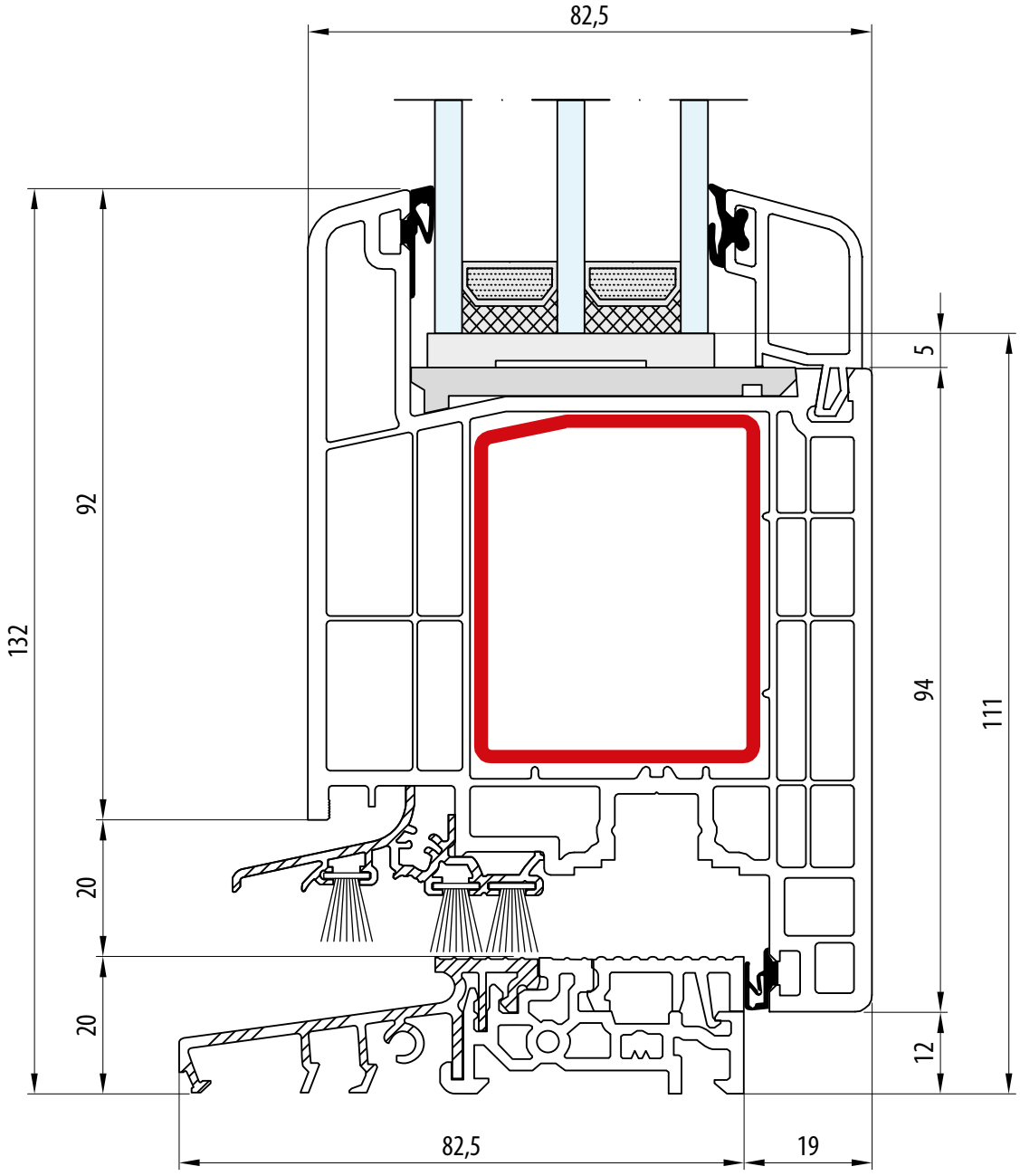

- Próg: 20 mm · Skrzydło: 108 mm
- Seuil: 20 mm · Vantail: 108 mm
- Threshold: 20 mm · Sash: 108 mm
- Schwelle: 20 mm · Flügel: 108 mm
- Soglia: 20 mm · Anta: 108 mm
- Dorpel: 20 mm · Vleugel: 108 mm



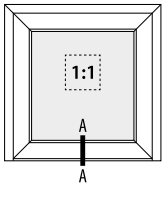


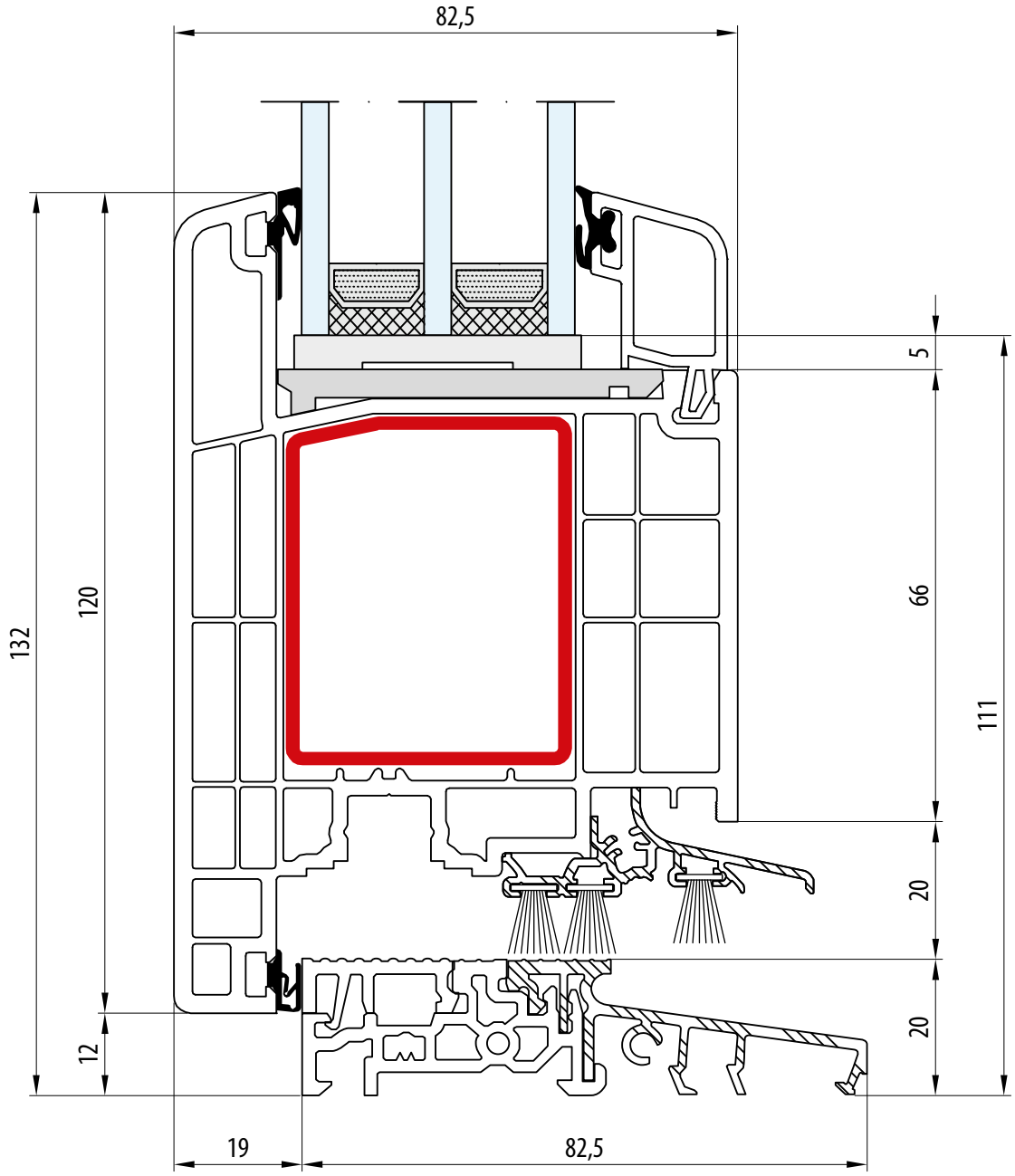

- Próg: 20 mm · Skrzydło: 67 mm
- Seuil: 20 mm · Vantail: 67 mm
- Threshold: 20 mm · Sash: 67 mm
- Schwelle: 20 mm · Flügel: 67 mm
- Soglia: 20 mm · Anta: 67 mm
- Dorpel: 20 mm · Vleugel: 67 mm



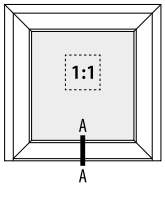



Próg: 20 mm · Skrzydło: 120 mm
Seuil: 20 mm · Vantail: 120 mm
Threshold: 20 mm · Sash: 120 mm
Schwelle: 20 mm · Flügel: 120 mm
Soglia: 20 mm · Anta: 120 mm
Dorpel: 20 mm · Vleugel: 120 mm



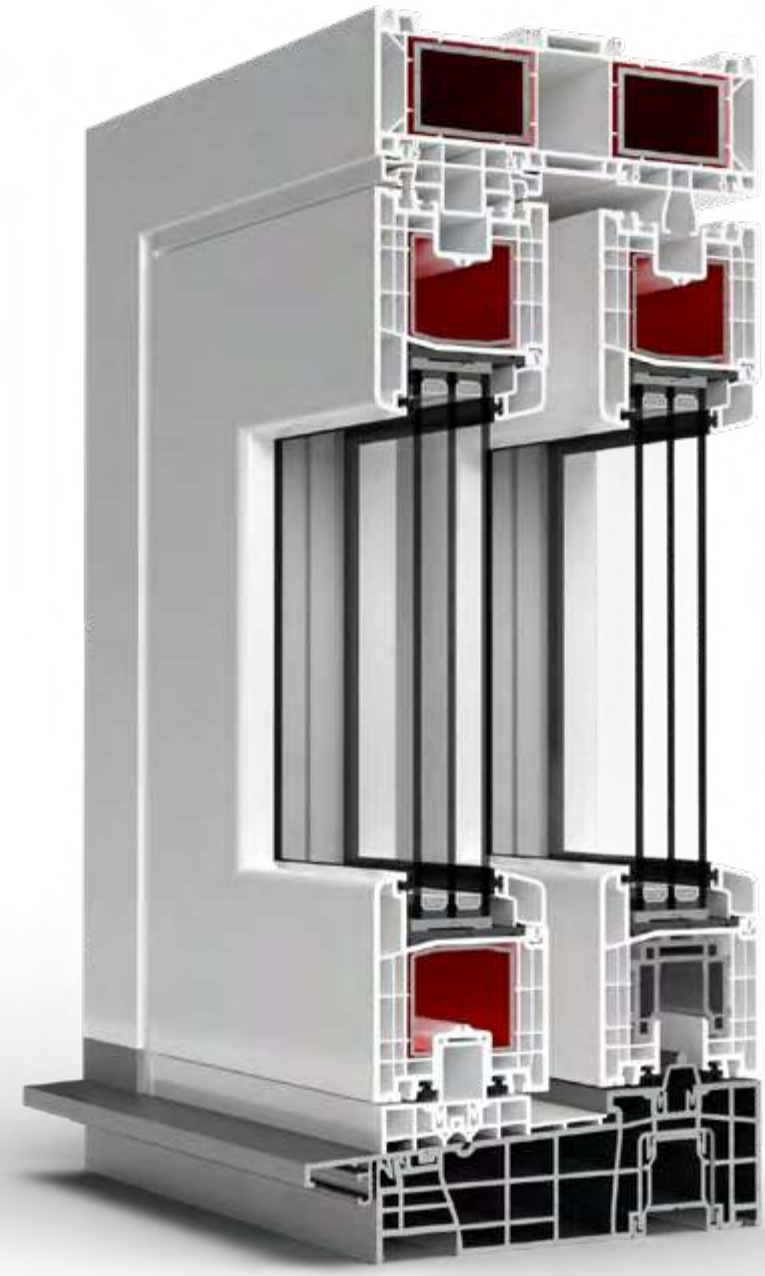


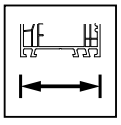

- Próg: 20 mm · Skrzydło: 120 mm
- Seuil: 20 mm · Vantail: 120 mm
- Threshold: 20 mm · Sash: 120 mm
- Schwelle: 20 mm · Flügel: 120 mm
- Soglia: 20 mm · Anta: 120 mm
- Dorpel: 20 mm · Vleugel: 120 mm



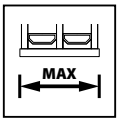
# HST GEALAN



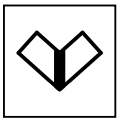




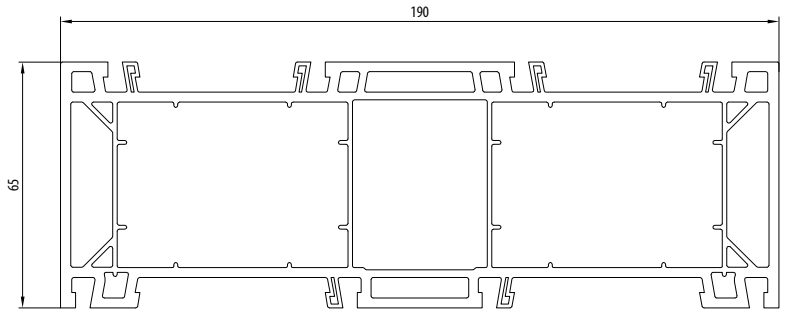
190



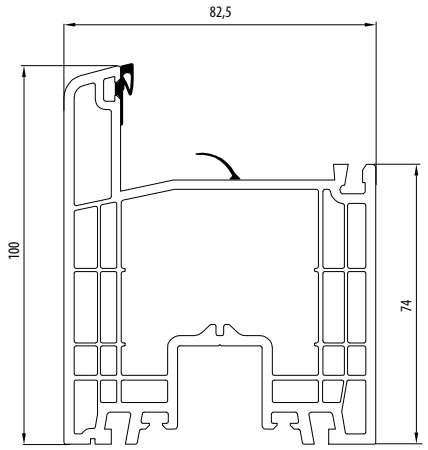

52



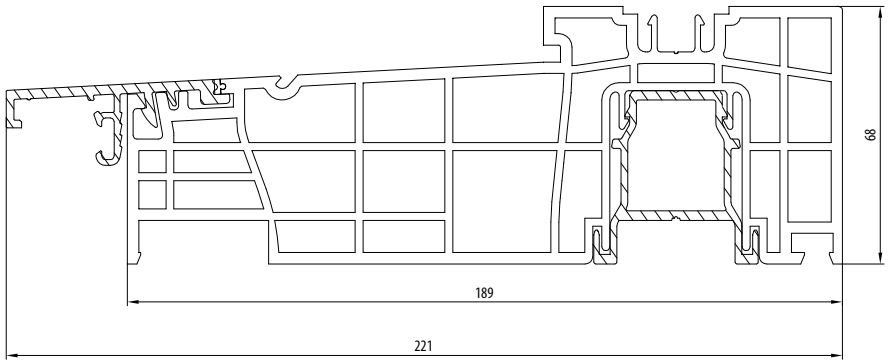




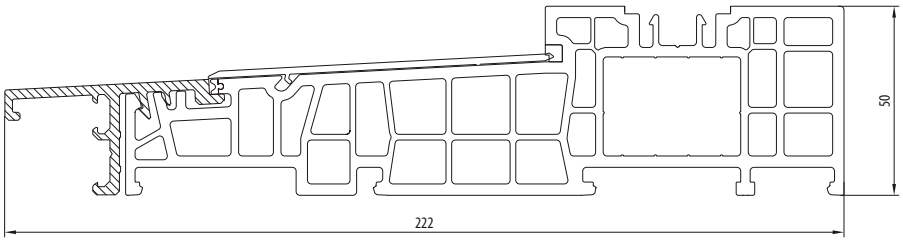

CL 6362



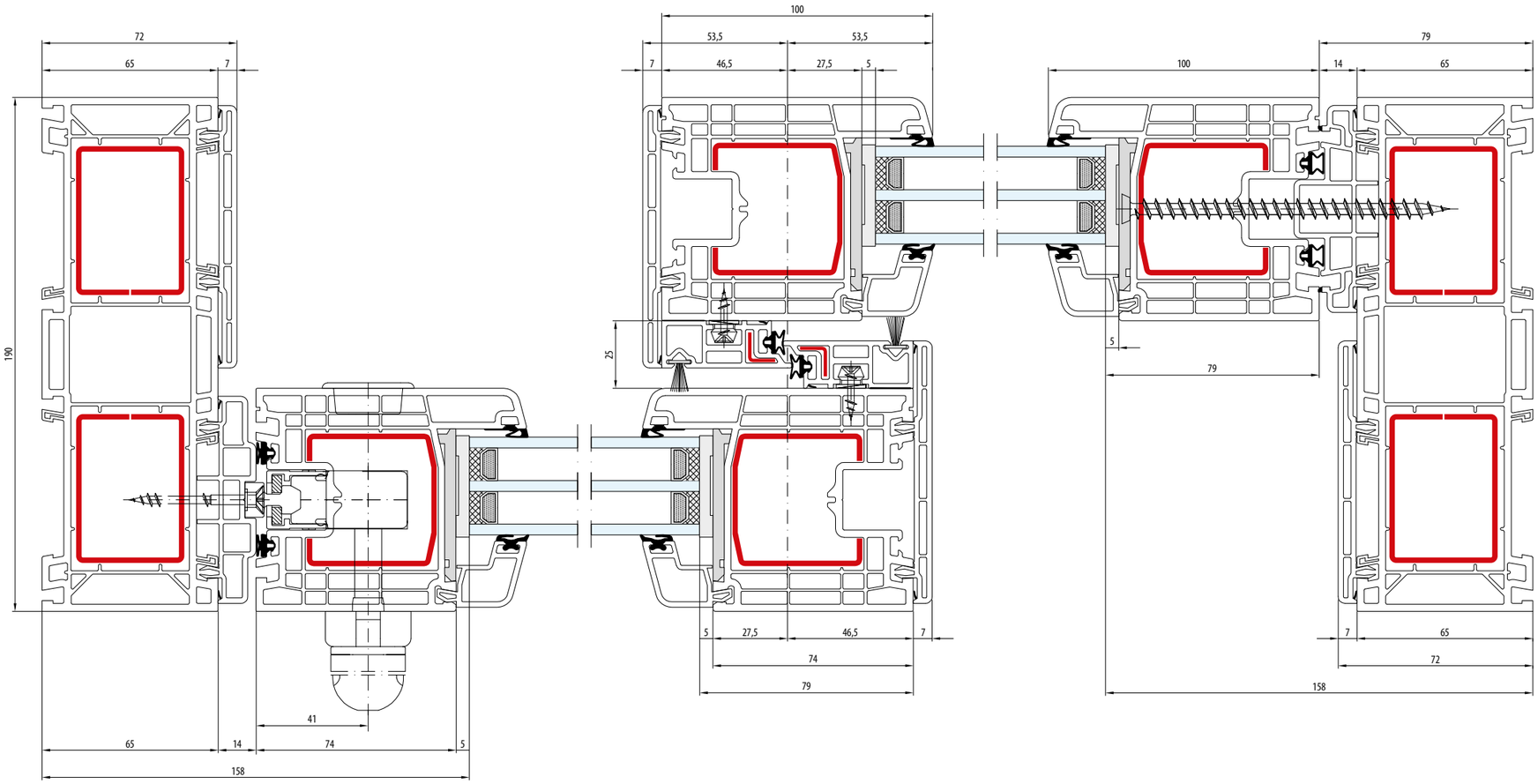

CL 6360



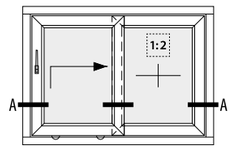

Thermostep

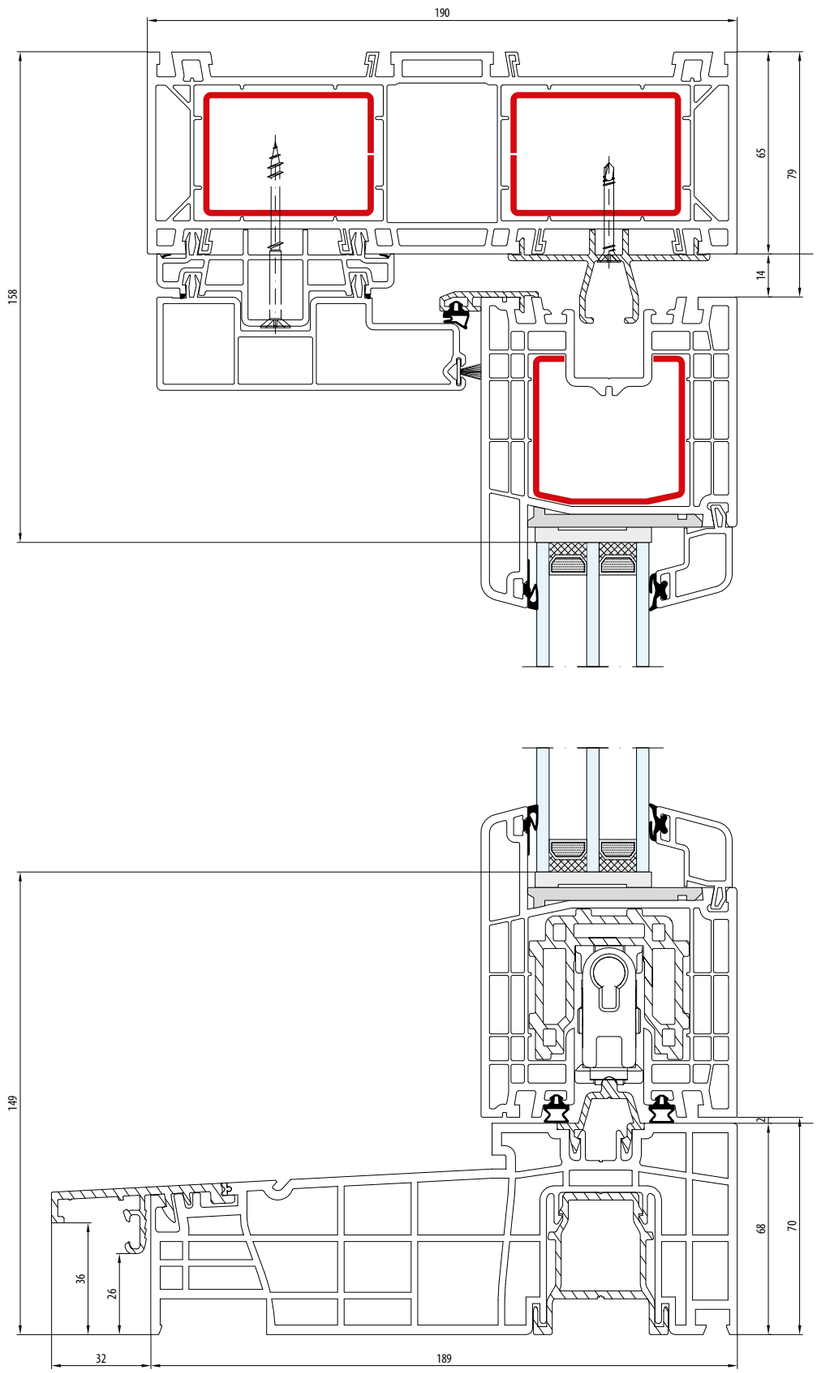



Thermo Schwelle - 50 mm

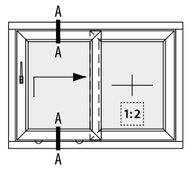



- Schemat A - Przekrój poziomy · Rama: 65 mm · Skrzydło: 100 mm
- Schéma A - Coupe horizontale · Dormant: 65 mm · Vantail: 100 mm
- Schema A - Doorsnede horizontaal · Frame: 65 mm · Sash: 100 mm
- Schema A - Wagerechter Schnitt · Rahmen: 65 mm · Flügel: 100 mm
- Schema A - Sezione orizzontale · Telaio: 65 mm · Anta: 100 mm
- Schema A - Horizontale doorsnede · Kozijn: 65 mm · Vleugel: 100 mm

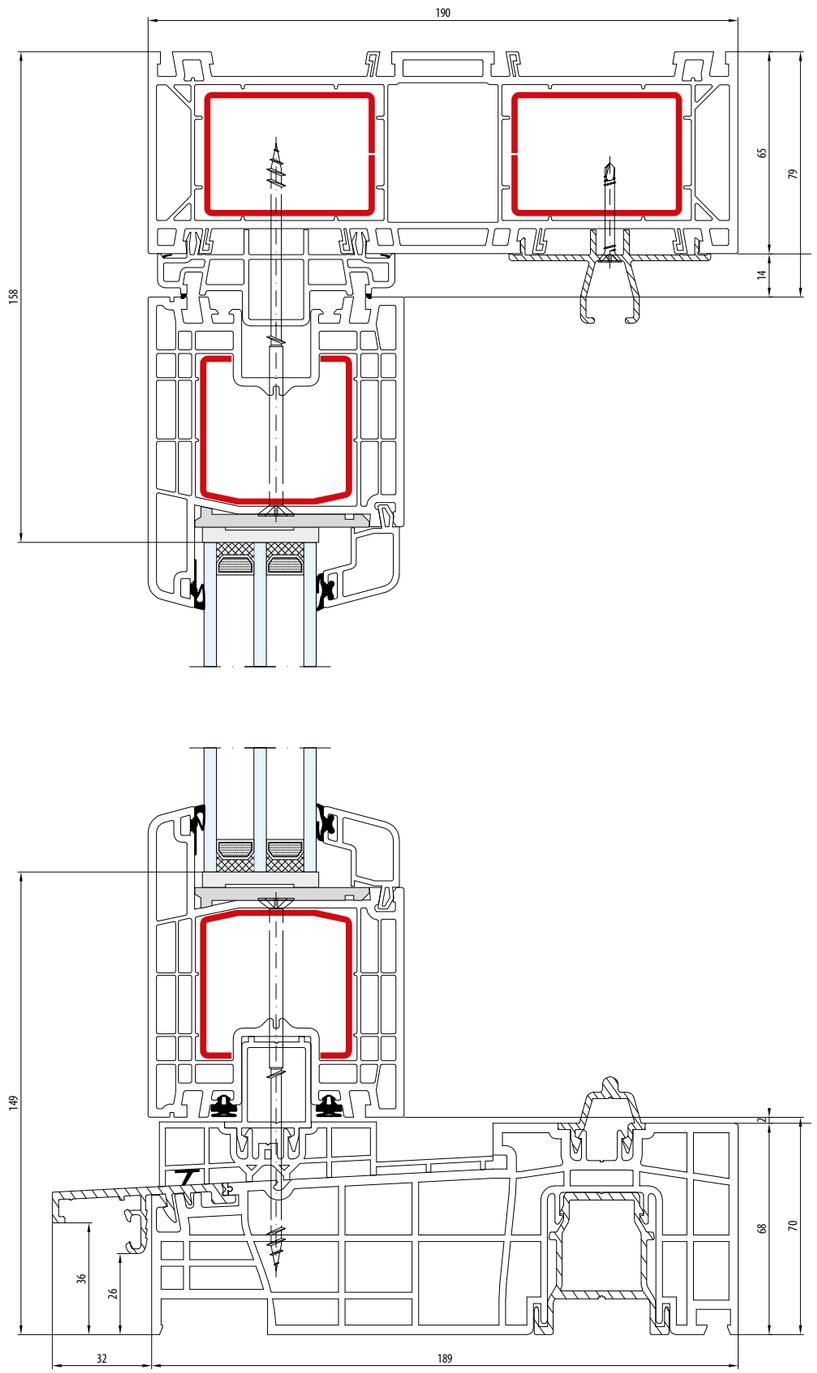





- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm

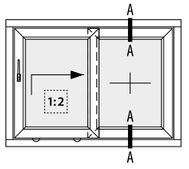


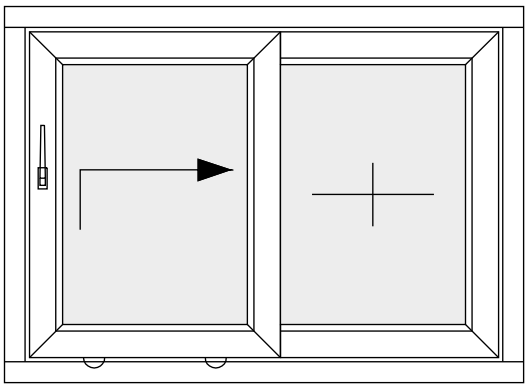

HST GEALAN





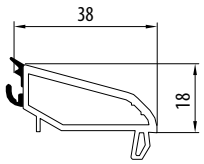
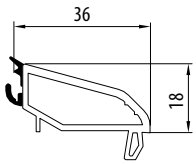
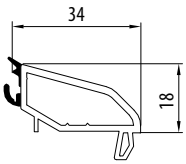
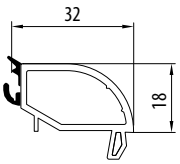
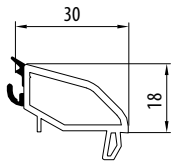
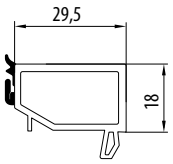
- Schemat A - Przekrój pionowy · Próg: 68 mm · Skrzydło: 100 mm
- Schéma A - Coupe verticale · Seuil: 68 mm · Vantail: 100 mm
- Schema A - Doorsnede verticaal · Doorstep: 68 mm · Sash: 100 mm
- Schema A - Senkrechter Schnitt · Schwelle: 68 mm · Flügel: 100 mm
- Schema A - Sezione verticale · Soglia: 68 mm · Anta: 100 mm
- Schema A - Verticale doorsnede · Dorpel: 68 mm · Vleugel: 100 mm

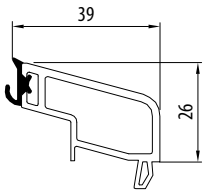
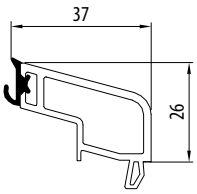
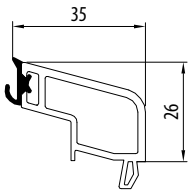
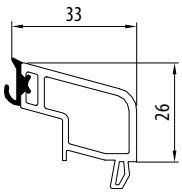



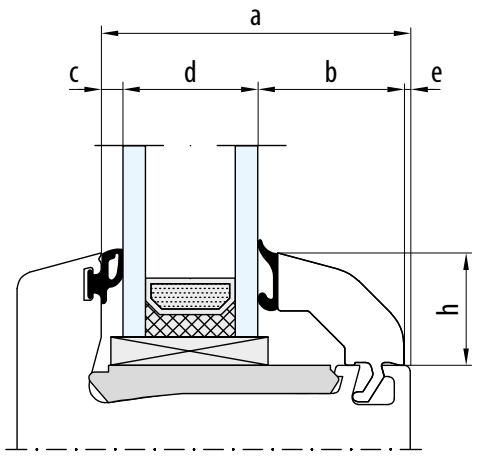


A

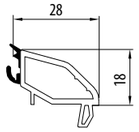
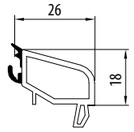
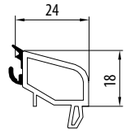
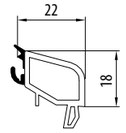
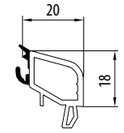
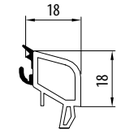
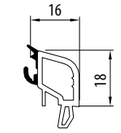
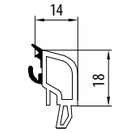
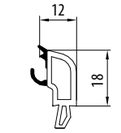
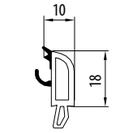
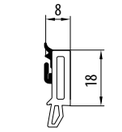
Schemat
Schéma
Schema
Schema
Schema
Schema

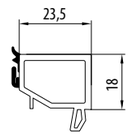
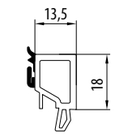
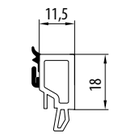
| | d [mm] | | | | |
|---|---|---|---|---|---|
| S 8000 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 |
| S 9000 | 23 - 24 \| **STV** 26 - 27 | 25 - 26 \| **STV** 28 - 29 | 27 - 28 \| **STV** 30 - 31 | 29 - 30 \| **STV** 32 - 33 | 31 - 32 \| **STV** 34 - 35 |
| CL |  7194 |  7196 |  7122 |  7154 |  7156 |
| S 8000 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 |
| QL | | | |  7224 | |

| S 9000<br>HST Gealan | 23 - 24 \| **STV** 26 - 27 | 25 - 26 \| **STV** 28 - 29 | 27 - 28 \| **STV** 30 - 31 | 29 - 30 \| **STV** 32 - 33 |
|---|---|---|---|---|
| CL |  6124 |  6126 |  6128 |  6130 |




**b = a - c - d - e**

| d [mm] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 27 - 28 | 29 - 30 | 31 - 32 | 33 - 34 | 35 - 36 | 37 - 38 | 39 - 40 | 41 - 42 | 43 - 44 | 45 - 46 | 47 - 48 |
| 33 - 34 \| **STV** 36 - 37 | 35 - 36 \| **STV** 38 - 39 | 37 - 38 \| **STV** 40 - 41 | 39 - 40 \| **STV** 42 - 43 | 41 - 42 \| **STV** 44 - 45 | 43 - 44 \| **STV** 46 - 47 | 45 - 46 \| **STV** 48 - 49 | 47 - 48 \| **STV** 50 - 51 | 49 - 50 \| **STV** 52 - 53 | 52- 53 \| **STV** 54 | |
|  |  |  |  |  |  |  |  |  |  |  |
| 7131 | 7130 | 7142 | 7164 | 7116 | 7138 | 7180 | 7162 | 7144 | 7146 | 7248 |

| 27 - 28 | 29 - 30 | 31 - 32 | 33 - 34 | 35 - 36 | 37 - 38 | 39 - 40 | 41 - 42 | 43 - 44 | 45 - 46 | 47 - 48 |
|---|---|---|---|---|---|---|---|---|---|---|
| |  | | | | |  |  | | | |
| | 7230 | | | | | 7240 | 7242 | | | |

| 31 - 32 \| **STV** 34 - 35 | 33 - 34 \| **STV** 36 - 37 | 35 - 36 \| **STV** 38 - 39 | 37 - 38 \| **STV** 40 - 41 | 39 - 40 \| **STV** 42 - 43 | 41 - 42 \| **STV** 44 - 45 | 43 - 44 \| **STV** 46 - 47 | 45 - 46 \| **STV** 48 - 49 | 47 - 48 \| **STV** 50 - 51 | 49 - 50 \| **STV** 52 - 53 | 51 - 52 \| **STV** 54 |
|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |
| 6132 | 6134 | 6136 | 6138 | 6140 | 6142 | 6144 | 6146 | 6148 | 6150 | 6152 |

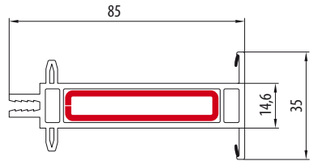
| | a [mm] | c [mm] | e [mm] |
|---|---|---|---|
| S 9000 | 61 | 3,5 | 1,5 |
| S 9000<br>HST Gealan | 67,5 | 4 | 1,5 |

1:2

GEALAN

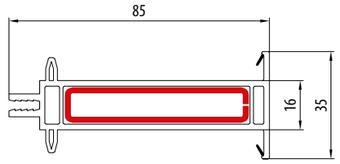



3284



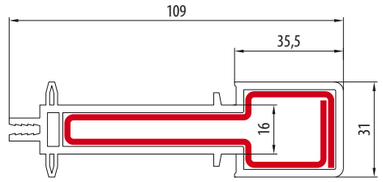

7281

2,0 | 405015 | Ix 0,3 | Iy 5,2



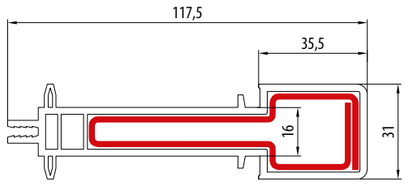

6281

2,0 | 674251 | Ix 0,5 | Iy 9,1



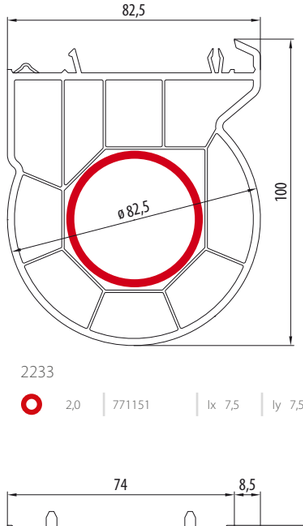

7291

2,0 | 771051 | Ix 2,2 | Iy 36,1



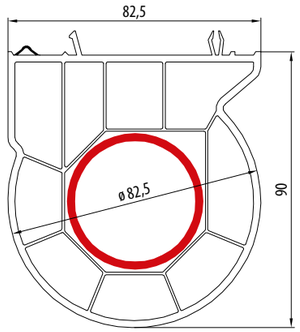

5204

2,0 | 771051 | Ix 2,2 | Iy 36,1



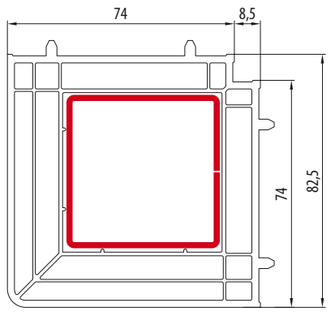

2233

2,0 | 771151 | Ix 7,5 | Iy 7,5



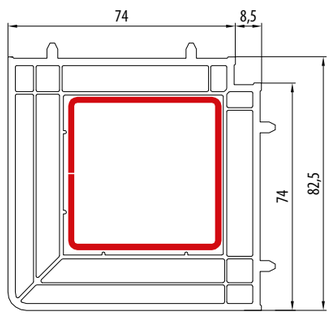

5206

2,5 | 771151 | Ix 7,5 | Iy 7,5




2233

2,0 | 771851 | Ix 14,3 | Iy 14,3

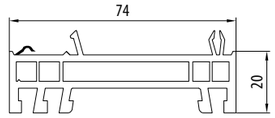



2304

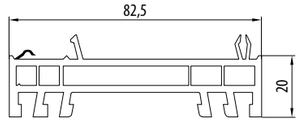
2,0 | 771851 | Ix 14,3 | Iy 14,3

1:2

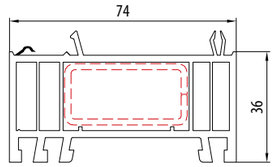
GEALAN




2315



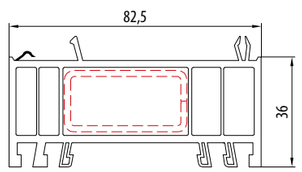

5201




2313

– 0,0 | – | Ix 0,0 | Iy 0,0

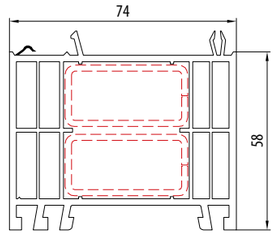
2,0 | 272451 | Ix 1,3 | Iy 4,1




5213

– 0,0 | – | Ix 0,0 | Iy 0,0

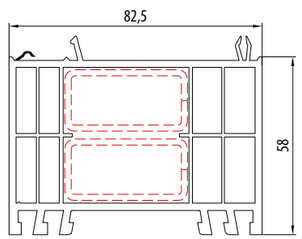
2,0 | 272451 | Ix 1,3 | Iy 4,1




7292

– 0,0 | – | Ix 0,0 | Iy 0,0

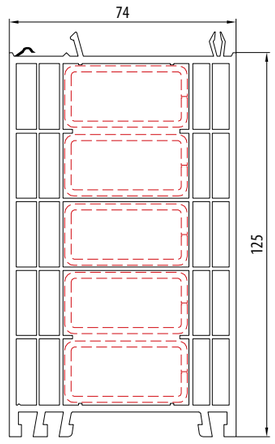
2,0 | 272451 x 2 | Ix 2,7 | Iy 8,3




5202

– 0,0 | – | Ix 0,0 | Iy 0,0

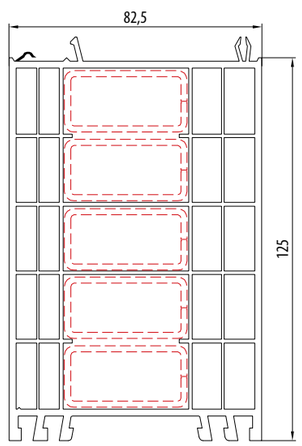
2,0 | 272451 x 2 | Ix 2,7 | Iy 8,3




2311

– 0,0 | – | Ix 0,0 | Iy 0,0

2,0 | 272451 x 4 | Ix 5,5 | Iy 16,6

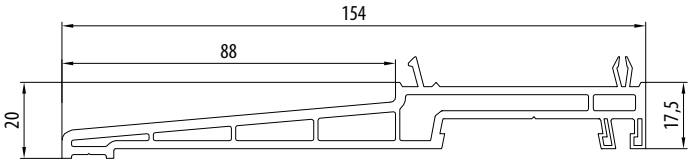



5203

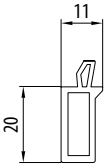
– 0,0 | – | Ix 0,0 | Iy 0,0

2,0 | 272451 x 4 | Ix 5,5 | Iy 16,6

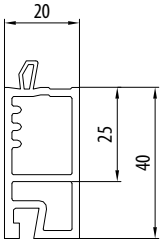
1:2



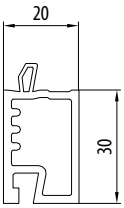

2203



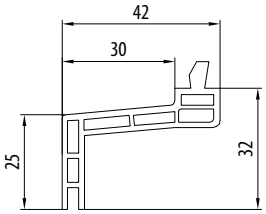

2101



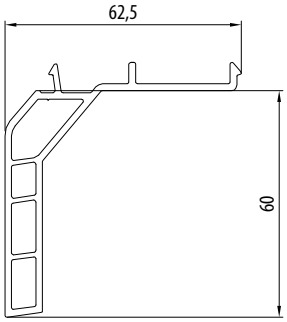

3205



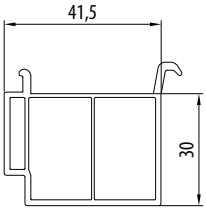

3206



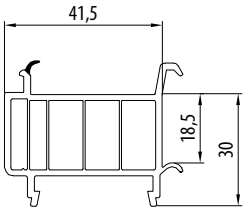

2209



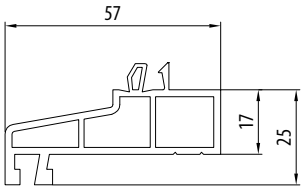

7209



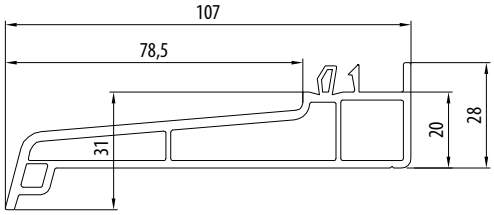

7202




7205




3207




7213

Publikacja nie stanowi oferty handlowej. Nie jest podstawą do składania reklamacji.
Zaprezentowane fotografie są zdjęciami poglądowymi, a nie rzeczywistymi zdjęciami produktów.

La publication ne constitue pas une offre commerciale. Ce n'est pas une base pour déposer des plaintes.
Les photographies présentées sont des images illustratives, pas des photos de produits réels.

The publication does not constitute a commercial offer. It is not a basis for submitting complaints.
Presented photographs are illustrative pictures, not actual product photos.

Dieser Katalog ist kein kommerzielles Angebot. Es ist auch keine Grundlage für die Einreichung von Reklamationen.
Die präsentierten Fotos sind Beispielbilder, keine tatsächlichen Produktfotos.

La pubblicazione non costituisce un'offerta commerciale. Non può essere la base per la presentazione di reclami.
Le fotografie hanno carattere illustrativo e non sono foto di prodotti reali.

De publicatie is geen aanbod. Het is niet de basis voor het indienen van een klacht.
De gepresenteerde foto's zijn illustratieve oto's, geen daadwerkelijke foto's van producten.

1/2023

