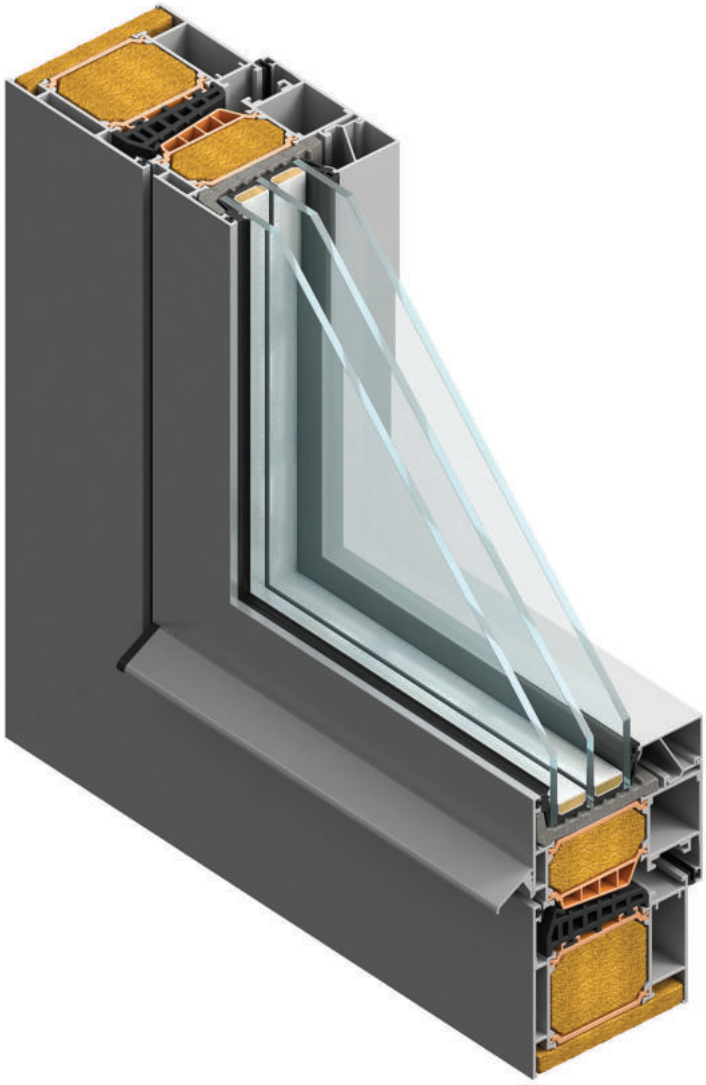
FEAL



TERMO 85 PA

cool, temperate climate

phB

CERTIFIED COMPONENT

Passive House Institute

SISTEM ZA PASIVNE KUĆE

SYSTEM FOR PASSIVE HOUSES

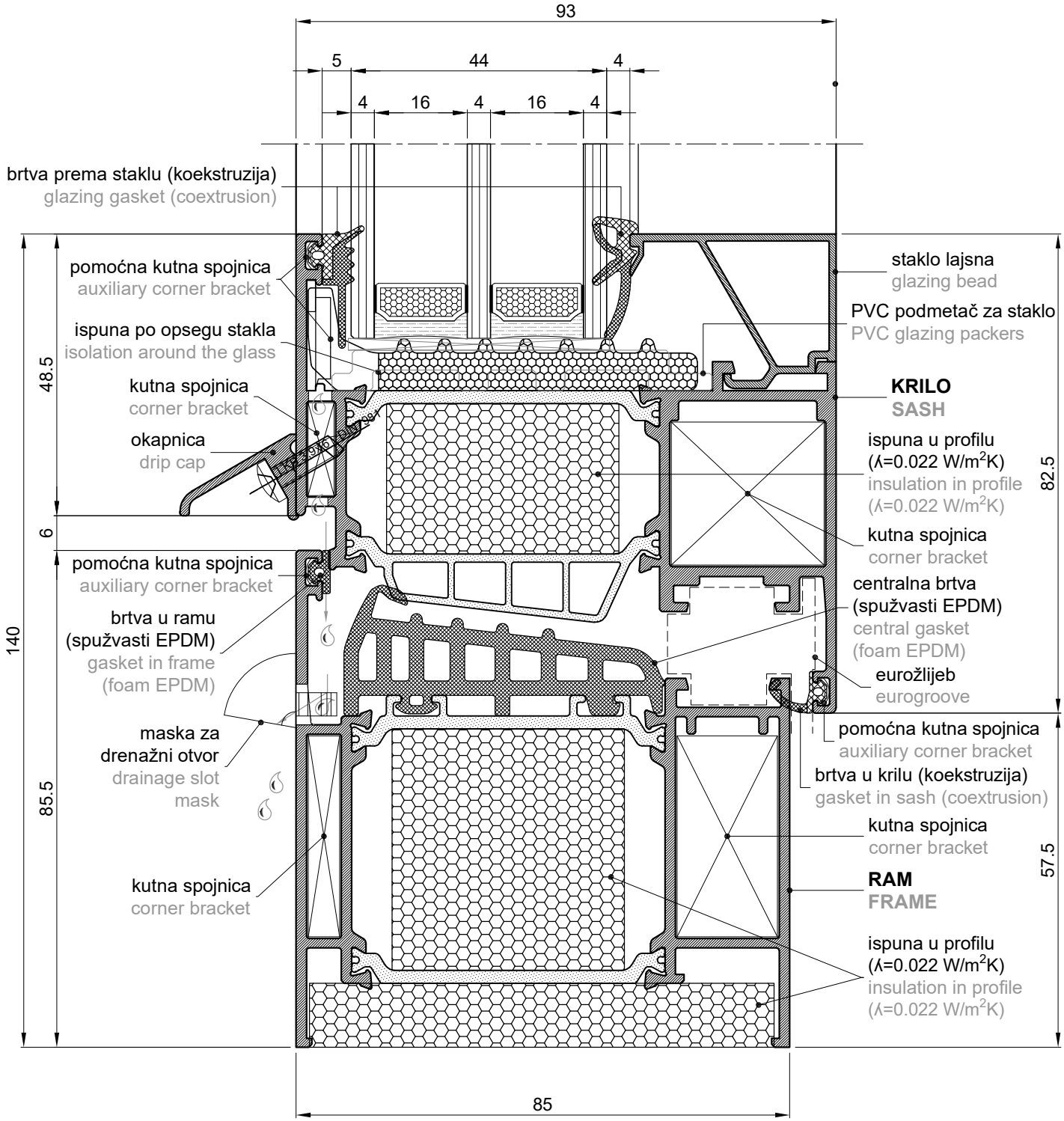
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Značajke sistema
System characteristics

Profili iz sistema **Termo 85 PA** su dodatno ispunjeni termoizolacijskim materijalom
- ispuna je od materijala s niskim koeficijentom toplinske provodljivosti λ /veći otpor prolaza topline/

Profiles from system **Termo 85 PA** are additionly filled with thermo insulating material
- thermo insulating material has low thermal conductivity coefficient λ /higher heat transfer resistance/



OPIS SISTEMA TERMO 85 PA
SYSTEM DESCRIPTION TERMO 85 PA

Sistem **Termo 85 PA** je namijenjen za izradu prozora, balkonskih i ulaznih vrata visoko izoliranih objekata, koji ispunjava i najstrože kriterije u pogledu energetske učinkovitosti, odnosno zadovoljava standarde pasivne kuće **Uw ≤ 0.80** W/m^{2}K.

S koeficijentom prolaza topline kroz okvir **Uf = 0.75** W/m^{2}K, u kombinaciji s troslojnim staklom **Ug = 0.70** W/m^{2}K i odgovarajućim distancerom stakla ukupan koeficijent prolaza topline kroz prozor (dimenzija pr.EN 10077-2 1230x1480 mm) iznosi **Uw = 0.78** W/m^{2}K, što sam sistem svrstava u proizvode koji su kompatibilni za ugradnju u pasivne kuće, a kao rezultat svega je potvrda od *Passive Houses Institute (PHI) - Darmstadt Germany.*

Kako bi se dobili ovakvi rezultati, odnosno radi poboljšanja toplinskih karakteristika, kod ovog sistema osim konstrukcije samih profila koristili su se i najsuvremeniji materijali, s vrlo niskim koeficijentom toplinske provodljivosti λ (W/mK).

- poliamidne trake nove generacije,
- termoizolacijska ispuna po opsegu stakla,
- termoizolacijska ispuna u komorama profila,
- koekstrudirane brtve

System **Termo 85 PA** is used for production of window, balcony and entrance door for buildings with high energy savings demands , it meets the strictest energy efficiency criteria, which means it meets standard for passive house of Uw ≤ 0.80 W/m^{2}K.

The heat transfer coefficient through frame **Uf = 0.75** W/m^{2}K, in combination with three pane glass **Ug = 0.70** W/m^{2}K and the appropriate distancer glass total heat transfer coefficient through window (dimensions from EN 10077-2 1230x1480 mm) is **Uw = 0.78** W/m^{2}K ,this classifies the system in products which are compatible for installation in passive house, and the result of all this is the confirmation by *Passive Houses Institute (PHI) - Darmstadt Germany.*

To achieve this results of improvement thermal characteristics, this system uses, along with special profile shape the latest materials, with a low thermal conductivity coefficient λ (W/mK).

- polyamide strips of a new generation,
- thermal insulation around the glass,
- thermal insulation in chambers of profile,
- coextruded gaskets

Tehničke karakteristike sistema:	System tehnical characteristic:
Dubina okvira: 85 mm	Frame depth: 85 mm
Dubina krila: 93 mm	Sash depth: 93 mm
Dubina staklo ispune: do 46 mm	Glassing depth: up to 46 mm
Poliamidne trake: 54 mm	Polyamide strips: 54 mm
Ug = 0.52 W/m^{2}K	Ug = 0.52 W/m^{2}K
Uf = 0.75 W/m^{2}K	Uf = 0.75 W/m^{2}K
Uw = 0.67 W/m^{2}K	Uw = 0.67 W/m^{2}K

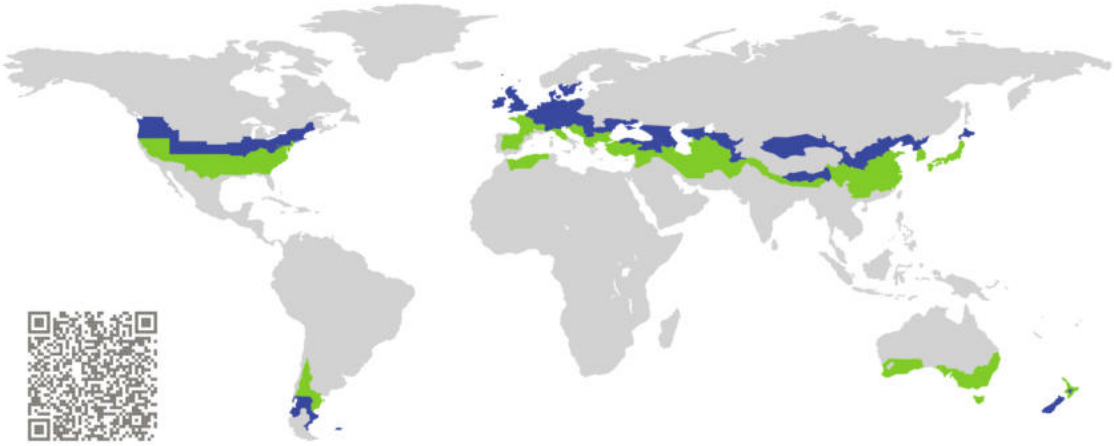
Ispitivanja i certifikati
Testing and certificates

CERTIFICATE

Certified Passive House Component

Component-ID 1082wi03 valid until 31st December 2026

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: **Window Frame**

Manufacturer: **Feal d.o.o.,**
Siroki Brijeg,
Bosnia and Herzegovina

Product name: **Termo 85 PA**

This certificate was awarded based on the following criteria for the cool, temperate climate zone



Comfort	U_W = 0.78	≤	0.80 W/(m² K)
	$U_{W,installed}$	≤	0.85 W/(m² K)
	with U_g	=	0.70 W/(m² K)
Hygiene	$f_{Rsi=0.25}$	≥	0.70

cool, temperate climate

phB

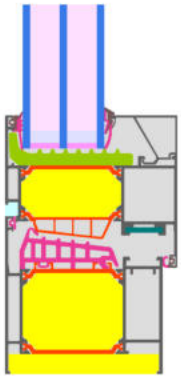
CERTIFIED COMPONENT

Passive House Institute

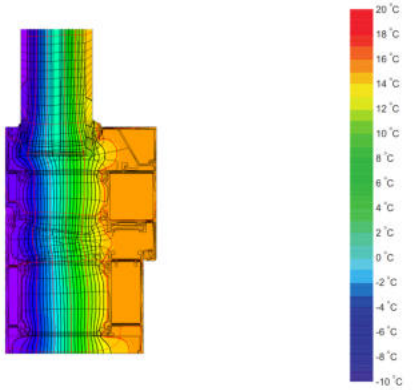
Passive House efficiency class: phE | phD | phC | phB | phA

www.passivehouse.com

Feal d.o.o.
Trnska cesta 146, 88220 Siroki Brijeg, Bosnia and Herzegovina
☎ +387 39 704 269 | ✉ info@feal.ba | http://www.feal.ba |



Calculation model



Isothermal

Description

Aluminium frame with thermal separation by Low lambda Polyamide and insulated by Kooltherm (0.022 W/(mK)) Pane thickness: 44 mm (4/16/4/16/4), rebate depth: 18 mm

Explanation

The window U-values were calculated for the test window size of 1.23 m × 1.48 m with U_g = 0.70 W/(m² K).
If a higher quality glazing is used, the window U-values will improve as follows:

Glazing	U_g =	0.70	0.64	0.58	0.52	W/(m² K)
		↓	↓	↓	↓	
Window	U_W =	0.78	0.74	0.70	0.67	W/(m² K)

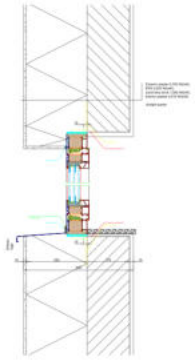
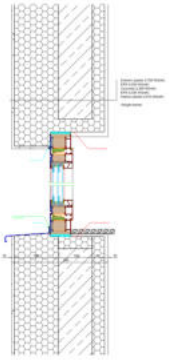
Transparent building components are classified into efficiency classes depending on the heat losses through the opaque part. The frame U-Values, frame widths, thermal bridges at the glazing edge, and the glazing edge lengths are included in these heat losses. A more detailed report of the calculations performed in the context of certification is available from the manufacturer.

The Passive House Institute has defined international component criteria for seven climate zones. In principle, components which have been certified for climate zones with higher requirements may also be used in climates with less stringent requirements. In a particular climate zone it may make sense to use a component of a higher thermal quality which has been certified for a climate zone with more stringent requirements.

Further information relating to certification
can be found on www.passivehouse.com and passipedia.org.

Frame values		Frame width b_f mm	U-value frame U_f W/(m² K)	Ψ-glazing edge Ψ_g W/(m K)	Temp. Factor $f_{Rsi=0.25}$ [-]
Flying Mullion	(FM1)	170	0.73	0.027	0.78
Bottom	(OB1)	140	0.75	0.026	0.78
Head	(OH1)	140	0.75	0.026	0.78
Jamb	(OJ1)	140	0.75	0.026	0.78
Spacer: SWISSPACER Ultimate			Secondary seal: Polysulfide		

Validated installations

Exterior insulation and finishing system (EIFS) (operable)		Formwork blocks (operable)		Cavity wall	
U_{Wall} = 0.13 W/(m² K)		U_{Wall} = 0.15 W/(m² K)		U_{Wall} = 0.13 W/(m² K)	
					
$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)	$\Psi_{install}$	W/(m K)
Top	0.014	Top	0.014	Top	0.013
Side	0.014	Side	0.014	Side	0.013
Bottom	0.018	Bottom	0.019	Bottom	0.017
$U_{W,installed}$ = 0.82 W/(m² K)		$U_{W,installed}$ = 0.83 W/(m² K)		$U_{W,installed}$ = 0.82 W/(m² K)	

Disclaimer: The Passive House Institute GmbH (PHI) conducts heat-transfer analyses in accordance with the standards set out in Criteria and Algorithms for Certified Passive House Components: Transparent Building Components and Opening Elements in the Building Envelope, based on information provided by the manufacturer. PHI does not verify on-site implementation. It is the responsibility of the project leader to ensure that installed components match the certified specifications in terms of geometry, configuration, and materials. Manufacturers must make full product information available upon request to parties involved in a construction project. These parties may compare the provided information with project documentation and perform on-site inspections as part of the quality-assurance process.

ift-Nachweis

Classification Report

Number	25-004485-PR02 (NW-A01-02-en-01)
Owner	FEAL d.o.o. Trnska cesta 146 88220 Siroki Brijeg Bosnia and Herzegovina
Product	Tilt and turn window
Designation	Product designation: Termo 85 PA
Details	Manufacturer FEAL d.o.o., - Siroki Brijeg; Material Aluminium system with thermal break; Type of opening Tilt and turn; Opening direction DIN right, inward opening; Overall dimensions (W x H) 1230 mm x 1480 mm
Special features	The test sequence was changed according to client's request.

Result **)

Air permeability according to EN 12207:2016-12

Class: 4

Resistance to wind load according to EN 12210:2016-03

Class: C5/B5

Watertightness according to EN 12208:1999-11

Class: E1350

**) Decision rule: For the evaluation of conformity, the measurement uncertainty was not taken into account.

ift Rosenheim
30.01.2026

Robert Kolacny, Dipl.-Ing. (FH)
Deputy Head of Testing Department
Building Component Testing

Florian Kugler, B.Eng.
Operating Testing Officer
Building Component Testing

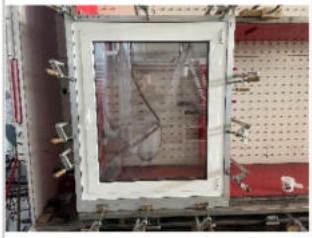
Basis *)

EN 14351-1:2006+A2:2016-09

*) and corresponding national versions (e.g. DIN EN)

Test report: 25-004485-PR02 PB-A01-02-en-01

Representation



Instructions for use

The Evidence ("Nachweis") can be used for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EU. The results obtained apply to the direct field of application determined in Annex E of EN 14351-1.

Validity

There is no time limit.

When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift-Test Documents" applies.

Identity-Check

www.ift-rosenheim.de/ift-geprueft
ID: FCD-075EF

Ve-PB1-4902-en/ (2024-12)

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Notified Body 0757
PDZ-Stelle BAY 18

Accredited Test Laboratory
EN ISO/IEC 17025

ift-Nachweis

Classification Report

Number	18-002710-PR04 (NW-A01-02-en-01)
Owner	FEAL d.o.o. Trnska cesta 146 88220 Siroki Brijeg Bosnia-Herzegovina
Product	Double tilt and turn window with openable meeting stile
Designation	System: Termo 85 PA Shipping name: Double vent window
Details	Manufacturer FEAL d.o.o., - Siroki Brijeg; Material Aluminium system with thermal break; Type of opening Turn / tilt and turn; Opening direction Active casement DIN right (opening) to the inside, Inactive casement DIN left (opening) to the inside; Overall dimensions (W x H) 1600 mm x 1480 mm
Special features	Test sequence. The strength, durability and material compatibility of the adhesive system was not part of the test and is tested separately.

Result

Air permeability according to EN 12207:2016-12

Class: 4

Resistance to wind load according to EN 12210:2016-03

Class: C4/B4

Watertightness according to EN 12208:1999-11

Class: 9A

ift Rosenheim
16.10.2018

Thomas Stefan, Dipl.-Ing. (FH)
Head of Testing Department
Building Component Testing

Dimitrios Moustakidis, MSc, Dipl.-Ing.
Operating Testing Officer
Building Component Testing

Basis *)

EN 14351-1:2006+A2:2016-09
*) and corresponding national versions e.g. DIN EN)

Test report: 18-002710-PR04 PB-A01-02-en-01

Representation



Instructions for use

The Evidence ("Nachweis") can be used for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EU. The results obtained apply to the direct field of application determined in Annex E of EN 14351-1.

Validity

There is no time limit.
When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

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Contact
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Testing and Calibration – EN ISO/IEC 17025
Inspection – EN ISO/IEC 17020
Product Certification – EN ISO/IEC 17065
Certification of Management Systems – EN ISO/IEC 17021

Notified Body 0757
PÜZ-Stelle: BAY 18

DAkkS Deutsche Akkreditierungsstelle D-PL-11349-01-00

ift-Nachweis

Classification Report

Number	18-002710-PR05 (NW-A01-02-en-01)
Owner	FEAL d.o.o. Trnska cesta 146 88220 Siroki Brijeg Bosnia-Herzegovina
Product	Tilt and turn casement door
Designation	System: Termo 85 PA Shipping name: Balcony door
Details	Manufacturer FEAL d.o.o., - Siroki Brijeg; Material Aluminium system with thermal break; Type of opening Tilt and turn; Opening direction DIN left, inward opening; Overall dimensions (W x H) 1100 mm x 2200 mm
Special features	Test sequence. Position of locking device. The strength, durability and material compatibility of the adhesive system was not part of the test and is tested separately.

Result

Air permeability according to EN 12207:2016-12

Class: 4

Resistance to wind load according to EN 12210:2016-03

Class: C4/B4

Watertightness according to EN 12208:1999-11

Class: 4A

ift Rosenheim
16.10.2018

Thomas Stefan, Dipl.-Ing. (FH)
Head of Testing Department
Building Component Testing

Dimitrios Moustakidis
Operating Testing Officer
Building Component Testing

Basis *)

EN 14351-1:2006+A2:2016-09
*) and corresponding national versions e.g. DIN EN)

Test report: 18-002710-PR05 PB-A01-02-en-01

Representation



Instructions for use

The Evidence ("Nachweis") can be used for preparing the Declaration of Performance in accordance with the Construction Products Regulation 305/2011/EU. The results obtained apply to the direct field of application determined in Annex E of EN 14351-1.

Validity

There is no time limit.
When using this document the up-to-dateness of above basis and the conformity of the product have to be observed.

Notes on publication

The ift-Guidance Sheet "Conditions and Guidance for the Use of ift Test Documents" applies.

Identity-Check

www.ift-rosenheim.de/ift-geprueft
ID: CD3-CD25B

Ve-PB1-4902-en/ (01.06.2018)

ift Rosenheim GmbH
Theodor-Gietl-Str. 7-9
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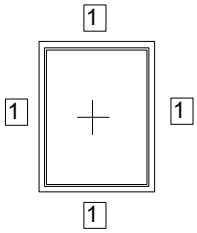
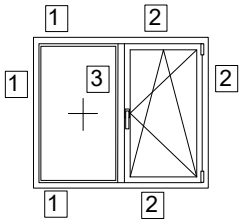
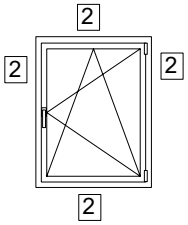
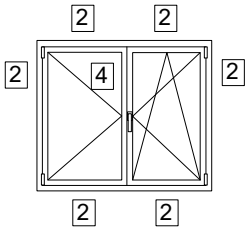
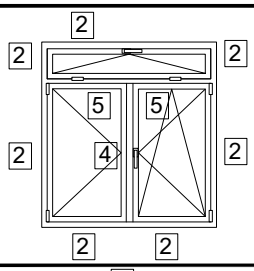
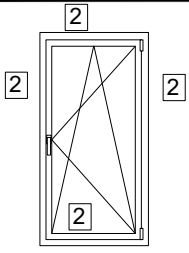
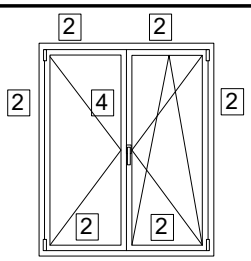
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Product Certification – EN ISO/IEC 17065
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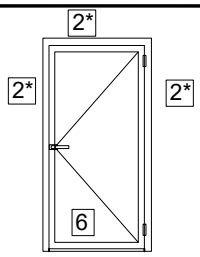
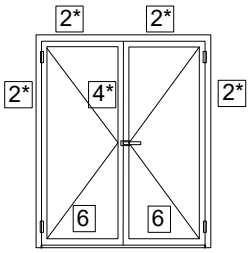
Notified Body 0757
PÜZ-Stelle: BAY 18

IAC-MRA DAkkS Deutsche Akkreditierungsstelle D-PL-11349-01-00

ISPITIVANJA I CERTIFIKATI TESTING AND CERTIFICATES					
Vrsta ispitivanja Type of test	Jednokrilni prozor Single casement window	Dvokrilni prozor Double casement window	Otklopni prozor-ventus Bottom hung window	Jednokrilna b.vrata Single balcony door	Fiksna stijena Fixed al. wall
Zrakopropusnost Air permeability EN12207	**4**	**4**	**4**	**4**	**4 ***
Vodonepropusnost Watertightness EN 12208	**E1350**	**9A**	**E1050**	**4A**	**E1200 ***
Otpornost na opterećenje vjetrom Resistance to wind load EN 12210	**C5/B5**	**C4/B4**	**C5/B5**	**C4/B4**	
Buka Rw Airborne sound reduction EN ISO 717-1	**41 dB**				
Protuprovalnost Protection against burglary EN 1627					
Otpornost na istezanje, torziju... Resistance at strain, torsion...					
Pendl test Impact resistance test EN 13049					
Protupožarnost Fire resistance test DIN EN 1363-1					
***** Feal interno ispitivanje * Feal internal testing					
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, **Uw ≤ 0.8 [W/m^{2}K]** Thermal transmittance of windows, in accordance with EN ISO 10077-1, **Uw ≤ 0.8 [W/m^{2}K]**					

		Uf1 W/m2K	Uf2 W/m2K	Uf3 W/m2K	Uf4 W/m2K	Uf5 W/m2K	Uf6 W/m2K	Uf7 W/m2K	Ug W/m2K	Uw W/m2K
	Termo 85 PA -fiksno- -fixed filed- (1230x1480)	0,66							0,7 (Ψ =0.026)	0,76
									0,5 (Ψ =0.026)	0,61
	Termo 85 PA -otkl.-zao.s fiks. dijelom- -tilt & turn with fixed field- (1600x1480)	0,66	0,75	0,73					0,7 (Ψ =0.027)	0,79
									0,5 (Ψ =0.027)	0,66
	Termo 85 PA -otklopno -zaokretno- - tilt & turn window- (1230x1480)		0,75						0,7 (Ψ =0.026)	0,78
									0,52 (Ψ =0.026)	0,67
	Termo 85 PA -dvokrilno otklopno -zaokretno- -double sash tilt & turn window- (1600x1480)		0,75		0,86				0,7 (Ψ =0.027)	0,81
									0,5 (Ψ =0.027)	0,69
	Termo 85 PA -dvokrilno- otkl. -zaok. s nadsvijetlom- -double sash tilt & turn with overhead op. (1600x1980)		0,75		0,86	0,78			0,7 (Ψ =0.027)	0,82
									0,5 (Ψ =0.027)	0,71
	Termo 85 PA -balkonska vrata- -balcony door- (1100x2200)		0,75						0,7 (Ψ =0.026)	0,78
									0,5 (Ψ =0.026)	0,65
	Termo 85 PA -dvokrilna balkonska vrata- -double balcony door- (1600x2200)		0,75		0,86				0,7 (Ψ =0.027)	0,81
									0,5 (Ψ =0.027)	0,68

Presjeci s profilom krila FT-1210
Cross sections with sash profile FT-1210

		Uf1 W/m2K	Uf2 W/m2K	Uf3 W/m2K	Uf4 W/m2K	Uf5 W/m2K	Uf6 W/m2K	Uf7 W/m2K	Ug W/m2K	Uw W/m2K
	Termo 85 PA -ulazna vrata otva.unutra- -entrance door inwa.opening- (1100x2200)	0,71					1,4		0,7 (Ψ =0.027)	0,79
									0,5 (Ψ =0.027)	0,66
	Termo 85 PA -dvokrilna ulazna vrata otva.unutra- -double entrance door inwa.opening- (1600x2200)	0,71			0,78		1,4		0,7 (Ψ =0.027)	0,82
									0,5 (Ψ =0.027)	0,70

* Presjeci s profilom krila FT-1211
* Cross sections with sash profile FT-1211

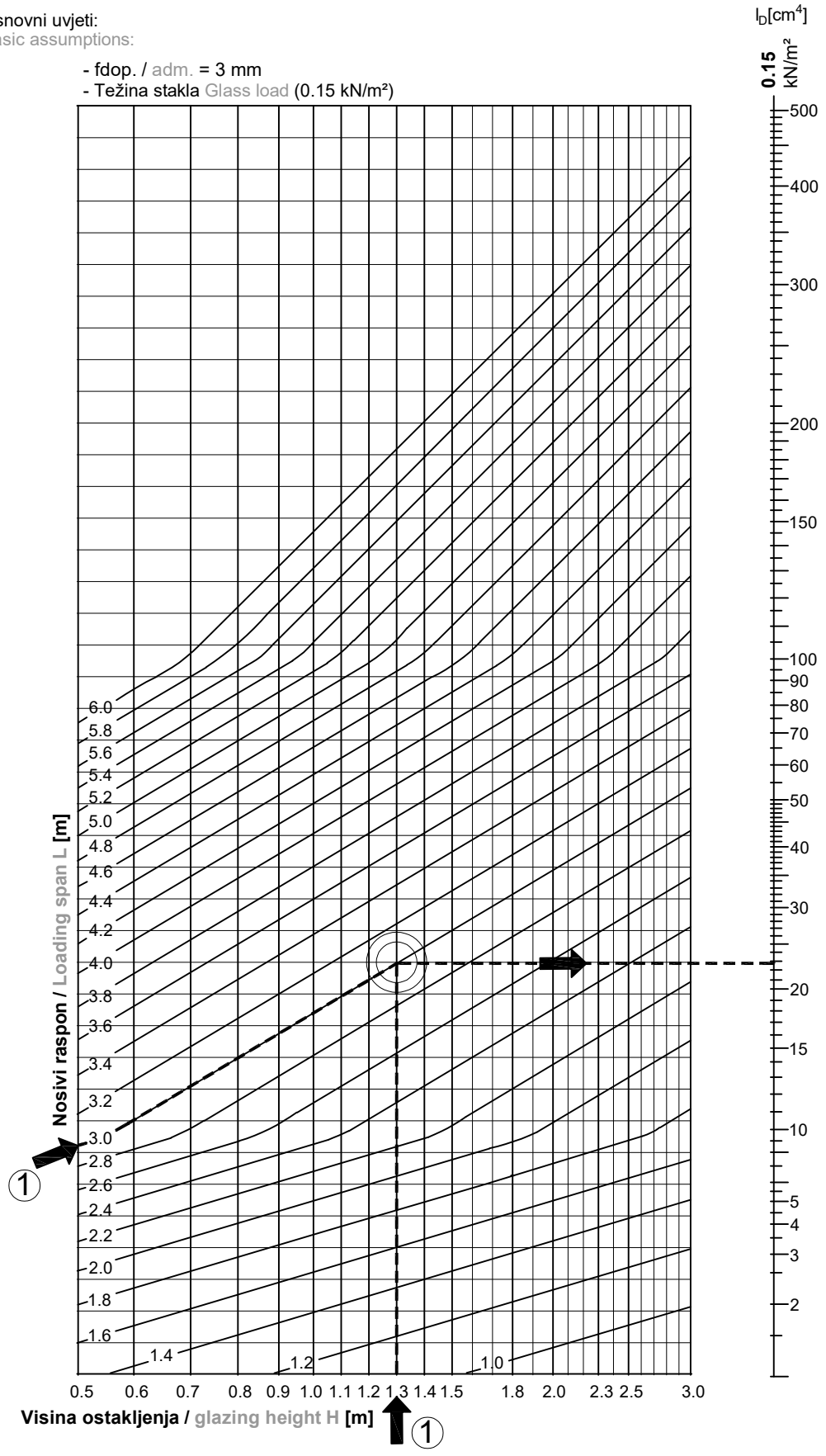
Proračun koeficijenta prolaza topline
Calculation of thermal transmittance

http://termika.feal.ba/

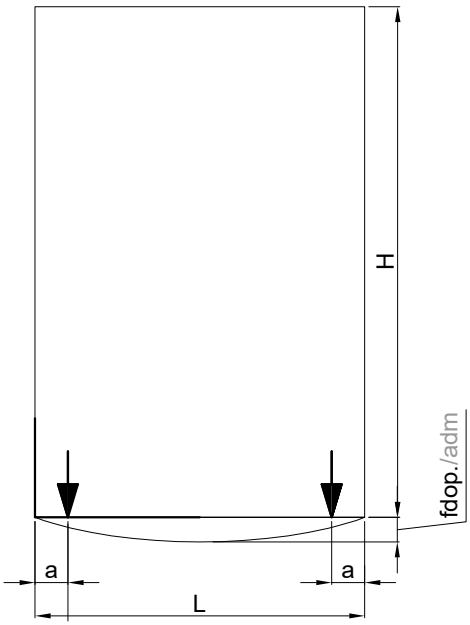
Statički dijagram težina stakla Structural diagram glass load

Osnovni uvjeti:
Basic assumptions:

- fdop. / adm. = 3 mm
- Težina stakla Glass load (0.15 kN/m²)



Statički dijagram težina stakla Structural diagram glass load



1. Ulazni podaci / Input data:

Širina raspona / Load span:
L= 3.00 m

Visina ostakljenja /Glazing height:
H = 1.30 m

Debljina ostakljenja /Glazing thickness:
D = 20 mm*

* uzima se u obzir samo debljina staklenih ploha
* only glass pane thickness is calculated

2. Određivanje potrebnog momenta Iy pod jediničnim opt. 0.15 kN/m²
Determination of required moment Iy under unit load 0.15 kN/m²

za / for qs 0.15 kN/m²
$Iy_{0.15}$ = 23 cm⁴ (① dijagram / diagram)

3. Određivanje potrebnog momenta Ix pod opterećenjem na objektu
Determination of required moment Ix under load on the building

Debljina stakla Glass thickness D=20 mm ==>> K=3.33

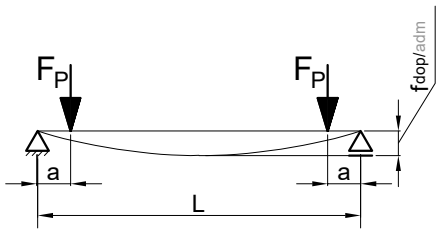
Potrebni / required $Iy=K_{20} \cdot Iy_{0.15}$ = (3.33) · 23 cm⁴ =77 cm⁴

4. Odabrati profil iz tablice
Select the profile from the table

! Vlastita težina profila nije uzeta u opterećenje !
The dead weight of the profile is not considered !

Statičke jednadžbe Structural formulas

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

$$F = \frac{H \cdot L}{2} \cdot q_S$$

$$Iy = \frac{F \cdot a}{24 \cdot E \cdot f_{dop\,/\,adm.}} \cdot (3 \cdot L^2 - 4\,a^2)$$

I_y	(cm^4) = Moment inercije / Moment of inertia
F_P	(kN) = Pojedinačno opterećenje / Single load
a	(cm) = Udaljenost oslonca / Support distance
H	(cm) = Visina stakla / Pane height
L	(cm) = Širina raspona / Load span
q_S	(kN/cm²) = Težina stakla / Glass weight
fdop. / adm.	(cm) = dop.progib / adm. deflection

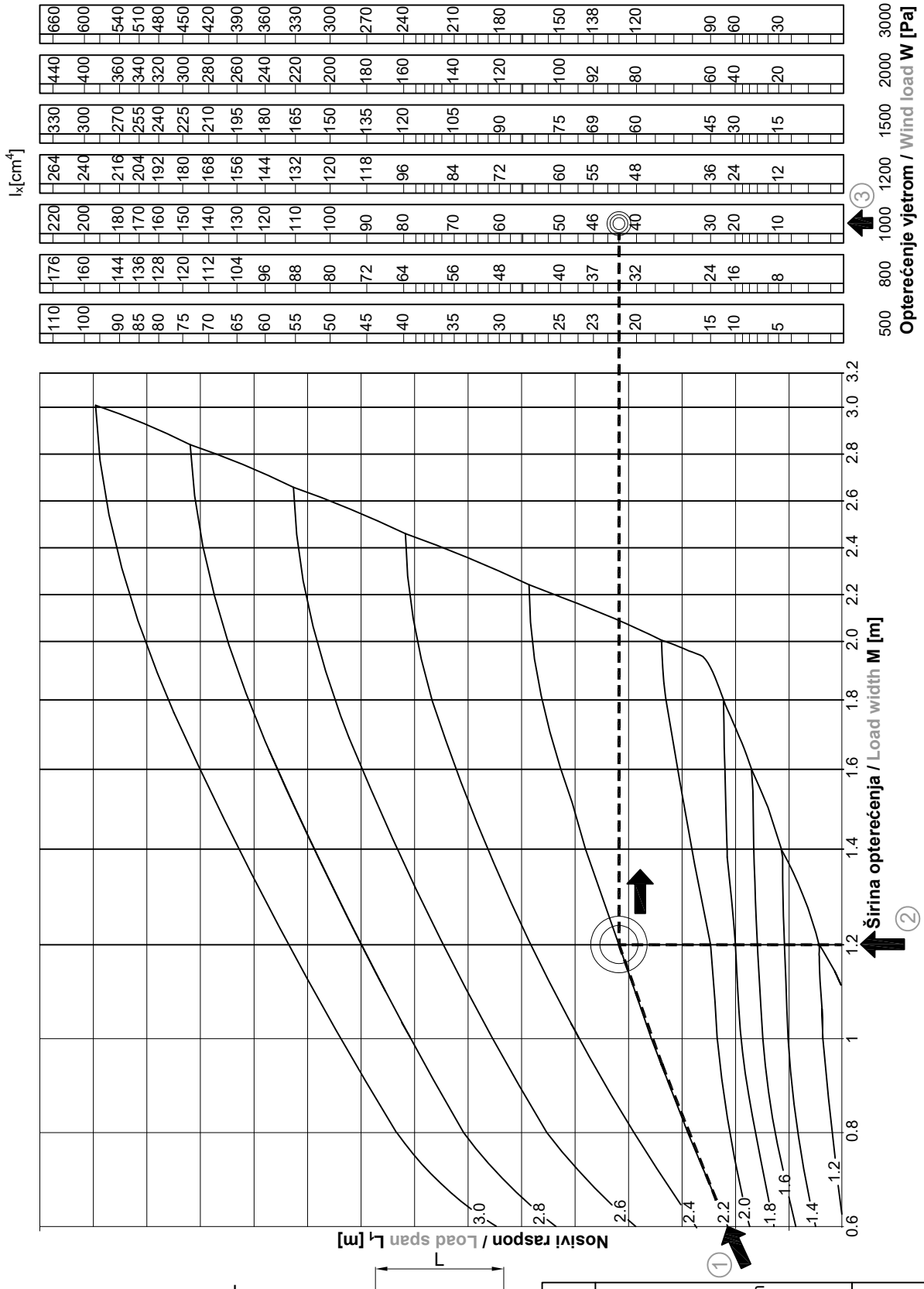
Tablica 1. Težina stakla
Table 1. Glass weight

Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5,66	6	6.33	6.66	7	7.33	7.66	8
kN/m²	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m²	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115	120	125
Debl. stakla (mm) D Glass thick. (mm) D	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48

①

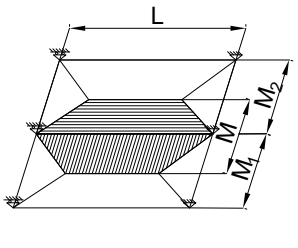
Statički dijagram -opterećenje vjetrom Structural diagram of wind load

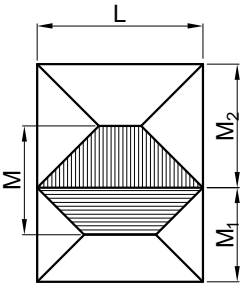
Trokutasto i trapeziodno opterećenje Triangular and trapezoidal load



Pa(N/m²)	400	500	600	700	800	900	1000	1100	1200	1400	1500	1600	1800	2000	2200	2400	3000
kPa(kN/m²)	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	3.0
km/h	89.6	100.1	109.7	118.5	126.7	134.4	141.6	148.5	155.1	167.7	173.5	179.1	190.0	200.3	210.1	219.4	245.3
m/s	24.9	27.8	30.5	32.9	35.2	37.3	39.3	41.3	43.1	46.5	48.2	49.8	52.8	55.6	58.4	60.9	68.1

Osnovni uvjeti
Basic assumptions:
fdop. / adm. =L / 200
Trapezoidno opterećenje
Trapeziodal load
$M = (M_1+M_2)2$





Primjer 1 / Example 1:

① Nosivi raspon / Load span: L= 2.20 m

② Širina opterećenja / Load width: M_1= 1,0 m, M_2=1,4 m, $M=(M_1+M_2)/2=1,2$ m

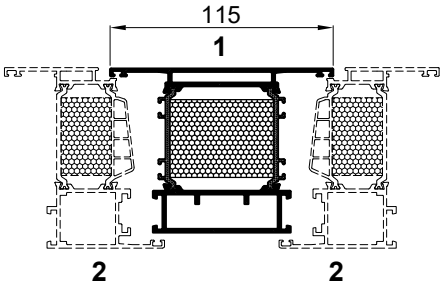
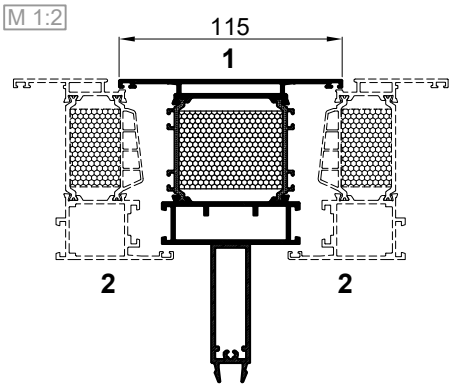
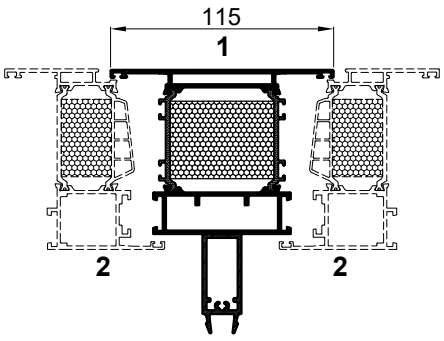
③ Tlak vjetra* Wind pressure* = 1000 Pa

Rezultat/ Result

Potrebni Ix Required Ix = 42 cm^4

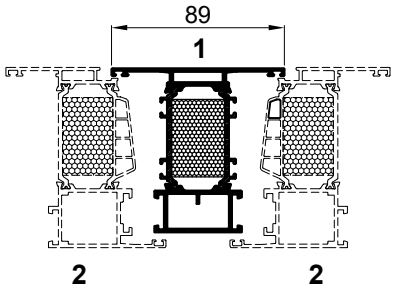
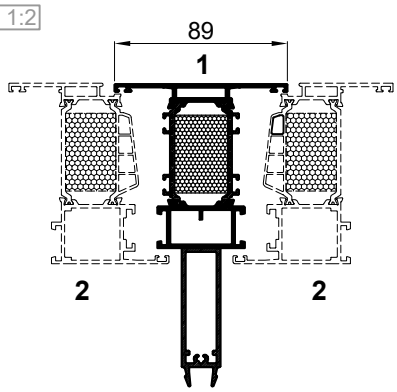
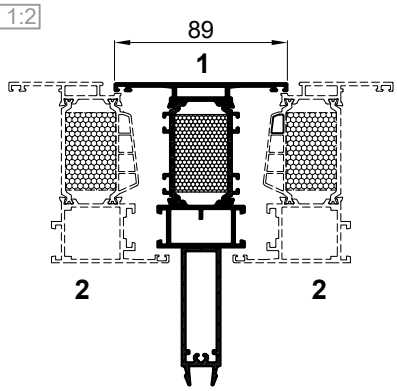
Odabrati odgovarajući profil iz tablice profila Select the profile from the profile table

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja / Opening type	Izgled / View	Profili /Profiles 1+2	I_x(cm^4)	Profili /Profiles 2+1+2	I_x(cm^4)
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1220 — I_x (cm^4): **63.60**	FT-1220 + FT-1210	**117.76**	FT-1210+FT-1220+FT-1210	**171.92**
		FT-1220 + FT-1211	**131.42**	FT-1211+FT-1220+FT-1211	**199.24**
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1220 i NP-4183 — I_x (cm^4): **207.26**	FT-1220 i NP-4183 + FT-1210	**261.42**	FT-1210 + FT-1220 i NP-4183 +FT-1210	**315.58**
		FT-1220 i NP-4183 + FT-1211	**275.08**	FT-1211+ FT-1220 i NP-4183 + FT-1211	**342.90**
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1220 i F-1634 — I_x (cm^4): **149.25**	FT-1220 i F-1634 + FT-1210	**203.41**	FT-1210 + FT-1220 i F-1634 + FT-1210	**257.57**
		FT-1220 i F-1634 + FT-1211	**217.07**	FT-1211 + FT-1220 i F-1634 + FT-1211	**284.89**

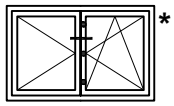
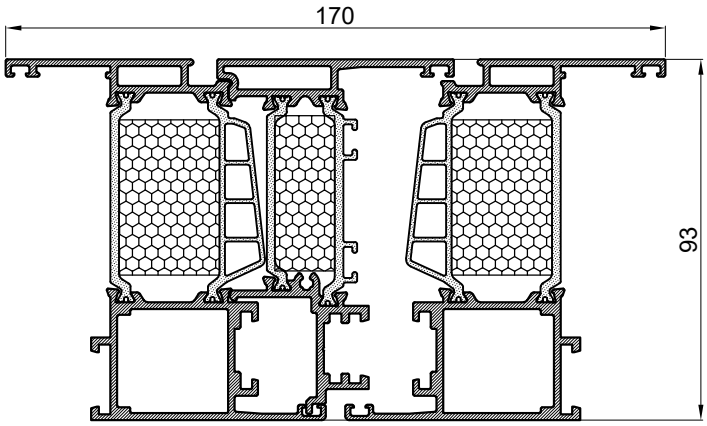
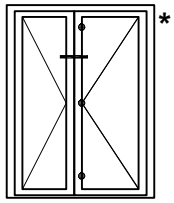
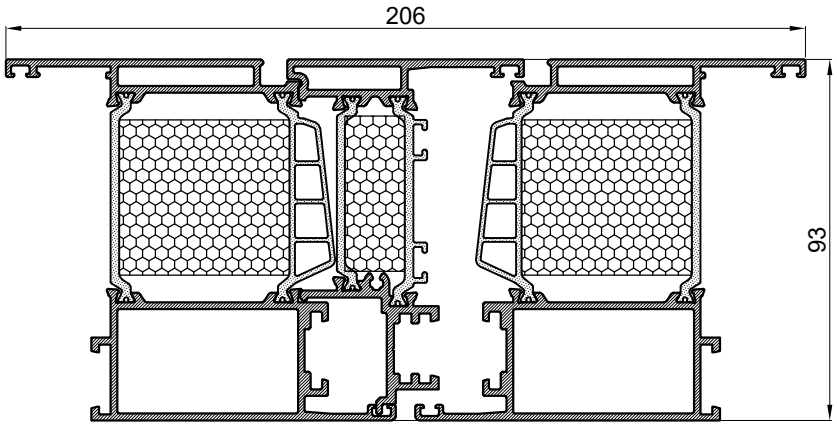
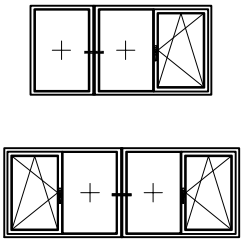
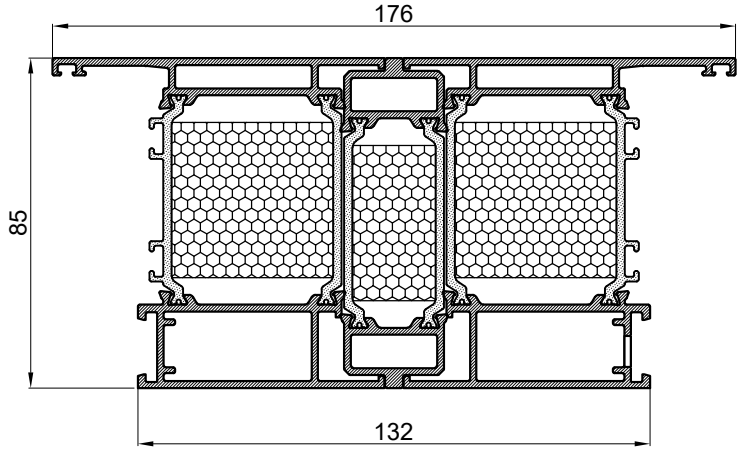
* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm
* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja / Opening type	Izgled / View	Profili /Profiles 1+2	I_x(cm^4)	Profili /Profiles 2+1+2	I_x(cm^4)
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1221 — I_x (cm^4): **46.34**	FT-1221 + FT-1210	**100.50**	FT-1210+FT-1221+FT-1210	**154.66**
		FT-1221 + FT-1211	**114.16**	FT-1211+FT-1221+FT-1211	**181.98**
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1221 i NP-4183 — I_x (cm^4): **177.99**	FT-1221 i NP-4183 + FT-1210	**232.15**	FT-1210 + FT-1221 i NP-4183 +FT-1210	**286.31**
		FT-1221 i NP-4183 + FT-1211	**245.81**	FT-1211+ FT-1221 i NP-4183 + FT-1211	**313.63**
1 1+2 * 2+1+2 *	M 1:2  Profil /Profile 1: FT-1221 i F-1634 — I_x (cm^4): **126.06**	FT-1221 i F-1634 + FT-1210	**180.22**	FT-1210 + FT-1221 i F-1634 + FT-1210	**234.38**
		FT-1221 i F-1634 + FT-1211	**193.88**	FT-1211+ FT-1221 i F-1634 + FT-1211	**261.70**

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm
* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm^4)
 *		**(FT-1210 i FT-1230) + FT-1210**	147.79
 *		**(FT-1211 i FT-1230) + FT-1211**	174.12
		**FT-1200 + FT-1235 + FT-1200**	134.24

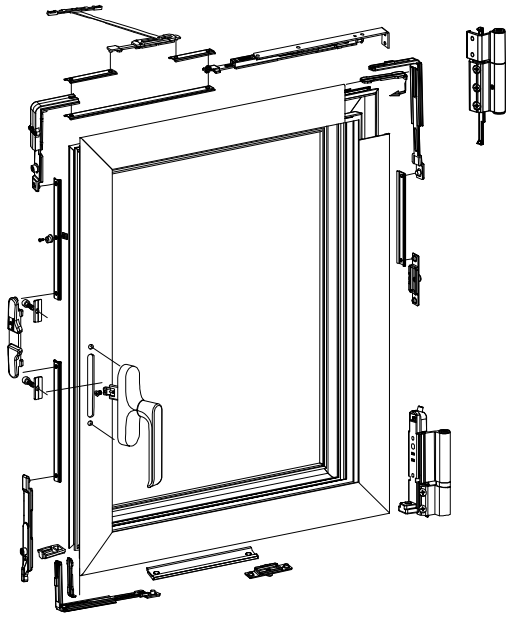
* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm
* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

134.026.xx - OTKLOPNO-ZAOKRETNI MEHANIZAM - STUBLINA (4135.00)
134.026.xx - TILT-TURN MECHANISM - STUBLINA (4135.00)

Maksimalna težina krila 100 kg
Maximum sash weight 100 kg

Tablica nosivosti za:
Table of loads:

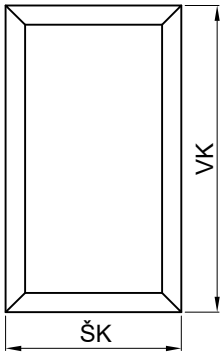
4135.00
4136.00
4137.00



Debljina stakla (mm)
Glass thickness (mm)

VK(mm) / ŠK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
2400	38	31	27	23	20	18	16	15	14	13	12	11	10
2300	38	34	28	25	21	19	17	15	14	13	12	11	10
2200	38	33	30	25	22	20	18	16	15	14	13	11	10
2100	38	35	31	23	23	21	19	17	16	14	13	12	11
2000	38	38	33	28	25	22	20	18	16	15	14	12	11
1900	38	38	34	30	26	23	20	19	17	16	15	14	13
1800	38	38	38	31	27	24	21	20	18	16	15	14	13
1700	38	38	38	33	29	26	23	21	18	17	16	16	14
1600	38	38	38	35	31	27	25	22	20	18	16	15	13
1500	38	38	38	38	33	29	26	24	21	18	17	15	13
1400	38	38	38	38	35	31	27	25	22	21	17	16	13
1300	38	38	38	38	38	34	31	25	25	21	18	15	13
1200	38	38	38	38	38	35	33	29	25	21	18	15	13
1100	38	38	38	38	38	38	33	29	25	21	18	15	12
1000	38	38	38	38	38	38	33	29	25	21	18	13	10
900	38	38	38	38	38	38	33	29	21	19	15	11	8
800	38	38	38	38	38	38	31	25	20	15	10	8	x
700	38	38	38	38	38	33	31	24	18	13	x	x	x
600	38	38	38	38	38	33	31	21	x	x	x	x	x
500	38	38	38	38	38	29	x	x	x	x	x	x	x
465	38	38	38	38	38	x	x	x	x	x	x	x	x

x **Neizvedivo** / Unfeasible



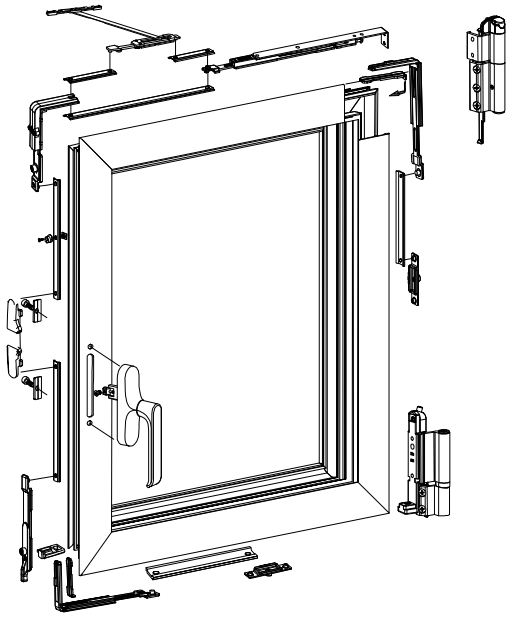
Debljina stakla
Glass thickness

mm	kg/m²
6	15
8	20
10	25
12	30
14	35
16	40
18	45
20	50
22	55
24	60
26	65
28	70
30	80
32	85
34	90
36	95
38	100
40	105
42	110
44	115
46	120
48	125

Maksimalna težina krila 130 kg
Maximum sash weight 130 kg

Tablica nosivosti za:
Table of loads:

4135.00U
4136.00U
4137.00U



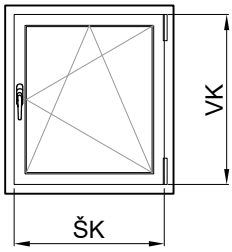
Debljina stakla (mm)
Glass thickness (mm)

VK(mm) / ŠK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
2400	48	38	34	29	26	23	21	19	17	16	15	14	13
2300	48	40	36	31	27	24	21	20	18	17	15	14	13
2200	48	42	37	32	28	25	22	20	19	17	16	15	14
2100	48	44	39	34	29	26	24	21	20	18	17	16	15
2000	48	46	41	35	31	27	25	22	21	19	18	16	15
1900	48	48	43	37	33	29	26	24	22	20	19	17	16
1800	48	48	46	39	34	30	27	25	23	21	20	18	17
1700	48	48	48	42	36	32	29	26	24	22	21	19	18
1600	48	48	48	44	39	34	31	28	26	24	22	21	18
1500	48	48	48	47	41	37	33	30	27	25	24	21	18
1400	48	48	48	48	44	39	35	32	29	27	24	21	18
1300	48	48	48	48	48	42	38	35	32	27	24	21	18
1200	48	48	48	48	48	46	41	37	32	27	24	21	18
1100	48	48	48	48	48	48	45	37	32	27	24	20	16
1000	48	48	48	48	48	48	42	37	32	27	24	18	14
900	48	48	48	48	48	48	42	37	29	25	20	14	10
800	48	48	48	48	48	48	40	34	24	18	15	10	x
700	48	48	48	48	48	42	40	30	22	16	8	x	x
600	48	48	48	48	48	41	40	28	15	x	x	x	x
500	48	48	48	48	48	36	32	x	x	x	x	x	x
465	48	48	48	48	48	x	x	x	x	x	x	x	x

x **Neizvedivo** / Unfeasible

OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE FUTURA 3D (130 micro)

TILT-TURN MECHANISM - GIESSE FUTURA 3D (130 micro)



Maksimalna težina krila **140** kg
Maximum sash weight **140** kg

Maksimalna debljina stakla (mm)
Maximum glass thickness (mm)

VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
3000	35	28	24	21	19	17	15	14	13	12	11	11	10	x
2900	35	29	25	22	20	18	16	15	14	13	12	11	10	10
2800	36	30	26	23	20	18	17	15	14	13	12	11	11	10
2700	38	31	27	24	21	19	17	16	15	13	13	12	11	10
2600	39	33	28	25	22	20	18	16	15	14	13	12	12	11
2500	44	37	31	27	24	22	20	18	17	16	15	14	13	11
2400	46	38	33	29	25	23	21	19	18	16	15	14	13	12
2300	48	40	34	30	27	24	22	20	18	17	16	15	14	12
2200	50	42	36	31	28	25	23	21	19	18	17	16	15	13
2100	50	44	37	33	29	26	24	22	20	19	17	16	15	13
2000	50	46	39	34	31	27	25	23	21	20	18	17	16	14
1900	50	48	41	36	32	29	26	24	22	21	19	18	16	14
1800	50	50	44	38	34	31	28	25	23	22	20	18	16	14
1700	50	50	46	40	36	32	29	27	25	23	21	18	16	14
1600	50	50	49	43	38	34	31	29	26	24	21	18	16	14
1500	50	50	50	46	41	37	33	31	27	24	21	18	16	14
1400	50	50	50	49	44	39	36	32	27	24	21	18	16	x
1300	50	50	50	50	47	42	38	32	27	24	21	18	x	x
1200	50	50	50	50	50	46	38	32	27	24	21	x	x	x
1100	50	50	50	50	50	46	38	32	27	24	x	x	x	x
1000	50	50	50	50	50	46	38	32	27	x	x	x	x	x
900	50	50	50	50	50	46	38	32	x	x	x	x	x	x
800	50	50	50	50	50	46	38	x	x	x	x	x	x	x
700	50	50	50	50	50	46	x	x	x	x	x	x	x	x

600

350

x **Neizvedivo** / Unfeasible

Maksimalna težina krila (kg)
Maximum sash weight (kg)

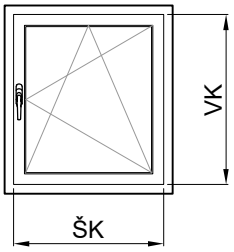
VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
3000	130	130	130	130	130	130	130	130	130	130	130	130	130	x
2900	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2800	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2700	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2600	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2500	140	140	140	140	140	140	140	140	140	140	140	140	140	130
2400	140	140	140	140	140	140	140	140	140	140	140	140	140	130
2300	140	140	140	140	140	140	140	140	140	140	140	140	140	130
2200	140	140	140	140	140	140	140	140	140	140	140	140	140	130
2100	140	140	140	140	140	140	140	140	140	140	140	140	140	130
2000	140	140	140	140	140	140	140	140	140	140	140	140	139	125
1900	140	140	140	140	140	140	140	140	140	140	140	140	132	118
1800	140	140	140	140	140	140	140	140	140	140	140	133	125	112
1700	140	140	140	140	140	140	140	140	140	140	134	126	118	118
1600	140	140	140	140	140	140	140	140	140	135	126	118	111	105
1500	140	140	140	140	140	140	140	140	137	127	118	111	104	99
1400	140	140	140	140	140	140	140	138	127	118	110	104	97	x
1300	140	140	140	140	140	140	140	128	118	110	103	96	x	x
1200	140	140	140	140	140	140	129	118	109	101	95	x	x	x
1100	140	140	140	140	140	130	118	108	100	93	x	x	x	x
1000	140	140	140	140	131	118	108	99	91	x	x	x	x	x
900	140	140	140	133	118	106	97	89	x	x	x	x	x	x
800	140	140	135	118	105	95	86	x	x	x	x	x	x	x
700	140	138	118	104	92	83	x	x	x	x	x	x	x	x

600

350

x **Neizvedivo** / Unfeasible

SKRIVENI OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE CHIC 3D STANDARD
CONCEALED TILT-TURN MECHANISM - GIESSE CHIC 3D STANDARD



Maksimalna debljina stakla (mm)
Maximum glass thickness (mm)

VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
2500	33	27	23	20	18	16	15	14	13	12	11
2400	33	27	23	20	18	16	15	14	13	12	11
2300	34	28	24	21	19	17	16	14	13	12	11
2200	36	30	25	22	20	18	16	15	14	13	12
2100	37	31	27	23	21	19	17	16	14	13	12
2000	39	33	28	25	22	20	18	16	15	14	13
1900	41	34	30	26	23	21	19	17	16	15	14
1800	44	36	31	27	24	22	20	18	17	16	15
1700	46	38	33	29	26	23	21	19	18	16	15
1600	49	41	35	31	27	25	22	20	19	17	15
1500	50	44	37	33	29	26	24	22	20	17	15
1400	50	47	40	35	31	28	25	23	20	17	15
1300	50	50	43	38	34	30	27	24	20	17	15
1200	50	50	47	41	36	33	28	24	20	17	15
1100	50	50	50	45	40	34	28	24	20	17	x
1000	50	50	50	49	42	34	28	24	20	x	x
900	50	50	50	50	42	34	28	24	x	x	x
800	50	50	50	50	42	34	28	x	x	x	x
700	50	50	50	50	42	34	x	x	x	x	x

600

445

Maksimalna težina krila (kg)
Maximum sash weight (kg)

VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
2500	100	100	100	100	100	100	100	100	100	100	100
2400	100	100	100	100	100	100	100	100	100	100	100
2300	100	100	100	100	100	100	100	100	100	100	100
2200	100	100	100	100	100	100	100	100	100	100	100
2100	100	100	100	100	100	100	100	100	100	100	100
2000	100	100	100	100	100	100	100	100	100	100	100
1900	100	100	100	100	100	100	100	100	100	100	100
1800	100	100	100	100	100	100	100	100	100	100	100
1700	100	100	100	100	100	100	100	100	100	100	98
1600	100	100	100	100	100	100	100	100	100	99	92
1500	100	100	100	100	100	100	100	100	100	93	87
1400	100	100	100	100	100	100	100	100	93	87	81
1300	100	100	100	100	100	100	100	94	87	80	75
1200	100	100	100	100	100	100	95	87	80	74	69
1100	100	100	100	100	100	95	87	79	73	68	x
1000	100	100	100	100	96	87	79	72	67	x	x
900	100	100	100	98	87	78	71	65	x	x	x
800	100	100	99	87	77	69	63	x	x	x	x
700	100	100	87	76	67	61	x	x	x	x	x

600

445

Maksimalna težina krila **100** kg
Maximum sash weight **100** kg

x **Neizvedivo** / Unfeasible

x **Neizvedivo** / Unfeasible

Maksimalna debljina stakla (mm)
Maximum glass thickness (mm)

VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
2800	40	33	29	25	22	20	18	17	15	14	x	x
2700	42	35	30	26	23	21	19	18	16	15	x	x
2600	45	37	32	28	25	22	20	19	17	16	15	x
2500	49	41	35	31	27	25	22	20	19	18	16	15
2400	49	41	35	31	27	25	22	20	19	18	16	15
2300	51	43	37	32	28	26	23	21	20	18	17	16
2200	54	45	38	33	30	27	24	22	21	19	18	17
2100	56	47	40	35	31	28	25	23	22	20	19	18
2000	59	49	42	37	33	29	27	25	23	21	20	18
1900	60	52	44	39	34	31	28	26	24	22	21	19
1800	60	55	47	41	36	33	30	27	25	23	22	20
1700	60	58	49	43	38	35	31	29	27	25	23	20
1600	60	60	53	46	41	37	33	31	28	26	23	20
1500	60	60	56	49	44	39	36	33	30	26	23	20
1400	60	60	60	53	47	42	38	35	30	26	23	20
1300	60	60	60	57	50	45	41	35	30	26	23	20
1200	60	60	60	60	55	49	42	35	30	26	23	x
1100	60	60	60	60	59	51	42	35	30	26	x	x
1000	60	60	60	60	60	51	42	35	30	x	x	x
900	60	60	60	60	60	51	42	35	x	x	x	x
800	60	60	60	60	60	51	42	x	x	x	x	x
700	60	60	60	60	60	51	x	x	x	x	x	x

600

470

Maksimalna težina krila (kg)
Maximum sash weight (kg)

VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600
2800	143	143	143	143	143	143	143	143	143	143	x	x
2700	145	145	145	145	145	145	145	145	145	145	x	x
2600	148	148	148	148	148	148	148	148	148	148	148	x
2500	150	150	150	150	150	150	150	150	150	150	150	150
2400	150	150	150	150	150	150	150	150	150	150	150	150
2300	150	150	150	150	150	150	150	150	150	150	150	150
2200	150	150	150	150	150	150	150	150	150	150	150	150
2100	150	150	150	150	150	150	150	150	150	150	150	150
2000	150	150	150	150	150	150	150	150	150	150	150	150
1900	150	150	150	150	150	150	150	150	150	150	150	150
1800	150	150	150	150	150	150	150	150	150	150	150	146
1700	150	150	150	150	150	150	150	150	150	150	147	138
1600	150	150	150	150	150	150	150	150	150	148	138	130
1500	150	150	150	150	150	150	150	150	150	139	130	122
1400	150	150	150	150	150	150	150	150	140	130	121	113
1300	150	150	150	150	150	150	150	140	130	120	112	105
1200	150	150	150	150	150	150	141	130	120	111	104	x
1100	150	150	150	150	150	143	130	119	110	102	x	x
1000	150	150	150	150	144	130	118	108	100	x	x	x
900	150	150	150	146	130	117	106	97	x	x	x	x
800	150	150	148	130	115	104	94	x	x	x	x	x
700	150	150	130	113	101	91	x	x	x	x	x	x

600

470

Maksimalna težina krila **150** kg
Maximum sash weight **150** kg

x **Neizvedivo** / Unfeasible

x **Neizvedivo** / Unfeasible

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

Tablica nosivosti šarke 114.001.xx (Stublina)
Table of loads for hinges 114.001.xx (Stublina)

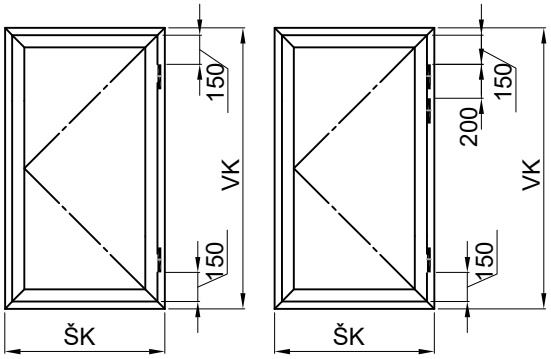
VK / ŠK	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
2800	90/100	90/100	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	67/76	62/70
2700	90/100	90/100	90/100	90/100	90/100	90/100	90/100	90/100	76/86	67/76	62/70	58/66
2600	90/100	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	67/76	58/66	57/63
2500	90/100	90/100	90/100	90/100	90/100	90/100	90/100	76/86	67/76	62/70	58/66	55/61
2400	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	65/72	58/66	56/62	54/60
2300	90/100	90/100	90/100	90/100	90/100	90/100	74/82	67/76	62/70	57/64	54/60	52/59
2200	90/100	90/100	90/100	90/100	90/100	80/90	71/80	62/70	58/66	56/62	51/58	49/56
2100	90/100	90/100	90/100	90/100	90/100	74/82	65/72	58/66	56/62	51/58	49/56	47/52
2000	90/100	90/100	90/100	90/100	80/90	69/78	62/70	56/62	54/60	50/57	47/52	45/50
1900	90/100	90/100	90/100	90/100	71/80	62/70	58/66	54/60	49/56	47/52	45/50	
1800	90/100	90/100	90/100	80/90	67/76	58/66	54/60	51/58	49/56	47/52	45/50	
1700	90/100	90/100	90/100	71/80	62/70	57/64	51/58	49/56	47/52	45/50		
1600	90/100	90/100	76/85	65/72	58/66	54/60	49/56	47/52	45/50			
1500	90/100	**90/100**	70/79	58/66	54/60	50/57	48/53	45/50				
1400	90/100	76/86	62/70	56/62	51/58	47/52	45/50					
1300	90/100	68/75	58/66	54/60	49/55	46/50						

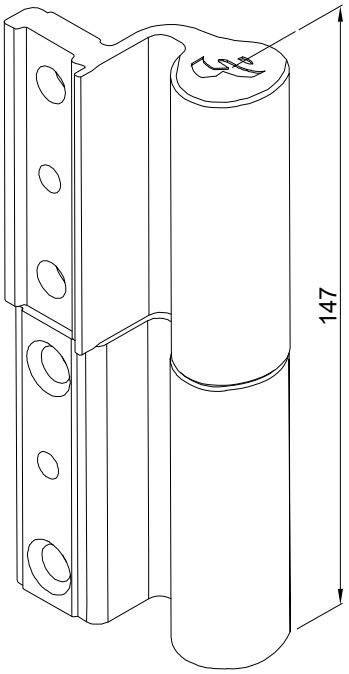
A (kg)

B (kg)

A - javna upotreba s dvije šarke
A - public use with two hinges
B - privatna upotreba s dvije šarke
B - private use with two hinge

Napomena:Ukoliko se ugrade tri šarke po preporuci, nosivost se uvećava za 10%.
Note:If three hinges are used as recommended, the load capability is increased 10%

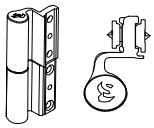
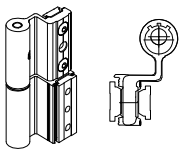
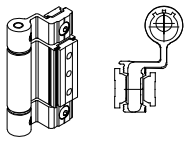
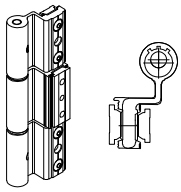




114.001.xx

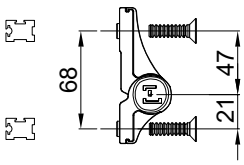
- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

Tablica nosivosti šarki - Stublina
Table of loads for hinges - Stublina

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load			
			Privatna upotreba Private use		Javna upotreba Public use	
			2 šarke 2 hinges	3 šarke 3 hinges	2 šarke 2 hinges	3 šarke 3 hinges
114.001.01 02 03		- Dvodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2006.00 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2006.00 - Color: 01- white; 02 - gray;03 - black	100 kg	120 kg	90 kg	110 kg
114.004.01 02 03		- Dvodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2024.00 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2024.00 - Color: 01- white; 02 - gray;03 - black	80 kg	100 kg	70 kg	85 kg
114.005.01 02 03		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2129.00 - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2129.00 - Color: 01- white; 02 - gray;03 - black	90 kg	100 kg	90 kg	95 kg
114.006.01 02 03		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2124.00 - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2124.00 - Color: 01- white; 02 - gray;03 - black	100 kg	105 kg	100 kg	110 kg

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

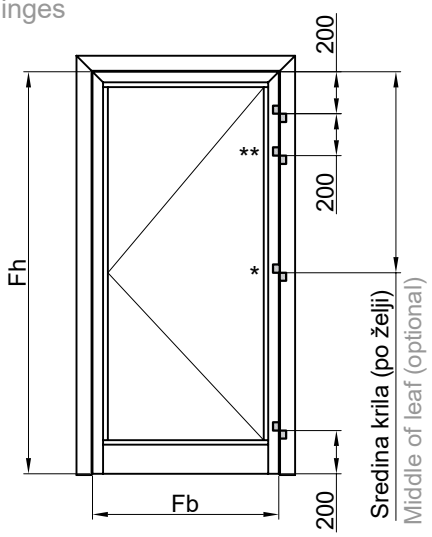
Tablica nosivosti šarke 113.009.xx (ALU-B)
Table of loads for hinges 113.009.xx (ALU-B)

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost / Load 2 šarke 2 hinges
113.009.01 02 03		- Dvodijelna šarka OSNO 68 - Oznaka proizvođača ALU-B: Max3D 68 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge OSNO 68 - Manufacturer code ALU-B: Max3D 68 - Color: 01- white; 02 - gray;03 - black	120 kg

Preporuke za ugradnju šarki
Recommendations for montage of the hinges

Fh = Visina krila
Leaf height

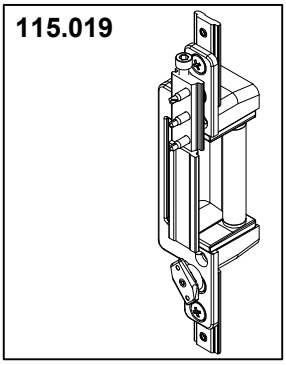
Fb = Širina krila
Leaf width



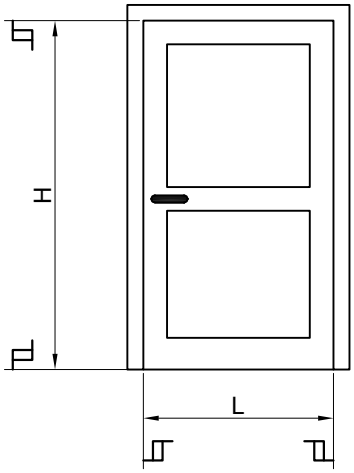
EN 1935:2002 Annex E
Zatvarači vrata povećavaju opterećenje na šarke i njihov stupanj trošenja. Za zatvarače bez prigušenja otvaranja efektivna masa vrata je 20% veća od stvarne mase vrata. Za zatvarače s prigušenjem otvaranja efektivna masa vrata je 75% veća od stvarne mase vrata.
* Dodatna šarka za bolje brtvljenje preporučuje se za visine krila iznad 2200 mm.
** Na vratima s ugrađenim zatvaračem kao i na vratima za javnu upotrebu potrebno je koristiti najmanje tri šarke.
Door closers increase the loading on door hinges and their rate of wear. For door closers without backcheck the effective door mass is 20 % greater than the actual door mass. For back-check closers the effective door mass is calculated to be 75% greater.
* Additional door hinge for better sealing pressure is recommended for leaf height over 2200 mm.
** Doors fitted with door closers as well as doors for public use should use at least three hinges.

SKRIVENA ŠARKA GIESSE -115.019 - KOEFICIJENT SMANJENJA MASE VRATA (CRP) OVISNO O DIMENZIJAMA KRILA

CONCEALED DOOR HINGE GIESSE -115.019 - DOOR WEIGHT REDUCTION COEFFICIENT (CRP) AS A FUNCTION OF LEAF SIZES



- Skrivena šarka GIESSE za vrata - otvaranje unutra
- Concealed door hinge GIESSE - inward opening



Koeficijent smanjenja težine (CRP)
Weight reduction coefficient (CRP)

X - dimenzije koje nisu dopuštene
X - Not possible dimensions

H \ W	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
3000	1	1	1	1	1	1	1	1	1	0.93	0.84	0.76	
2900	1	1	1	1	1	1	1	1	1	0.88	0.80	0.74	
2800	1	1	1	1	1	1	1	1	0.93	0.83	0.76	0.71	
2700	1	1	1	1	1	1	1	1	0.88	0.79	0.72	0.68	
2600	1	1	1	1	1	1	1	0.93	0.83	0.75	0.69	0.65	
2500	1	1	1	1	1	1	1	0.87	0.78	0.71	0.67	0.63	
2400	1	1	1	1	1	1	0.93	0.81	0.74	0.68	0.64	0.61	
2300	1	1	1	1	1	1	0.85	0.76	0.70	0.65	0.61	0.59	
2200 (Primjer →)	1	1	1	1	1	0.91	0.80	0.72	0.67	0.63	0.59	0.57	
2100	1	1	1	1	1	0.85	0.75	0.68	0.64	0.60	0.57	0.55	
2000	1	1	1	1	0.91	0.79	0.71	0.65	0.61	0.58	0.55	0.53	
1900	1	1	1	1	0.83	0.73	0.67	0.62	0.58	0.56	0.53	0.52	
1800	1	1	1	0.90	0.77	0.69	0.63	0.59	0.56	0.54	0.52	x	
1700	1	1	1	0.82	0.71	0.65	0.60	0.57	0.54	0.52	x	x	
1600	1	1	0.89	0.75	0.67	0.61	0.57	0.54	0.52	x	x	x	
1500	1	1	0.80	0.69	0.63	0.58	0.55	0.52	x	x	x	x	
1400	1	0.88	0.73	0.64	0.59	0.55	0.52	x	x	x	x	x	
1300	1	0.78	0.67	0.60	0.56	0.52	x	x	x	x	x	x	
1200													

W →
↑ Primjer

Za dobivanje dozvoljene najveće težine krila (P) pomnožite vrijednost Pmax odabranu u tablici maksimalne nosivosti (str. 208.02.024, tablica 1) s koeficijentom smanjenja težine (CRP) koji odgovara veličini krila (Širina W x Visina H)

Primjer:

W x H = 1200 x 2200 mm (bez zatvarača)
CRP = 0,91
Pstvarno =128 kg
Pmax = 135 kg (iz tablice 1: 120kg < Pstvarno ≤ 135kg ,Pmax=135)
P = Pmax x CRP = 135 kg x 0,91 = 122 kg
Najveća dopuštena težina krila za zadane dimenzije iznosi 122 kg.
Potrebne 3 šarke (iz tablice 2 na stranici 208.02.024)

To obtain allowed leaf maximum weight (P) multiply the Pmax value chosen in the Maximum load chart (p. 208.02.024 table 1) with the weight reduction coefficient (CRP) corresponding to the leaf size (W x H).

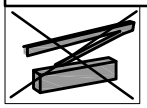
Example:

W x H = 1200 x 2200 mm (without door closer)
CRP = 0,91
Preal = 128 kg
Pmax =135 kg(from table 1: 120kg< Preal ≤ 135 kg, Pmax=135)
P = Pmax x CRP = 135kg x 0,91 = 122 kg
The maximum permitted leaf weight for the given dimensions is 122 kg
3 hinges required (from table 2 on page 208.02.024)

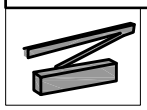
TABLICE ZA SKRIVENU ŠARKU GIESSE -115.019
TABLES FOR CONCEALED DOOR HINGE -115.019

Tablica 1 Table 1

Tablica odabira koeficijenta Pmax ovisno o stvarnoj težini krila (Pstvarno), slučaj bez zatvarača Table for selecting the Pmax coefficient depending on the actual weight (Preal) of the leaf, case without a door closer
Pstvarno (Preal) ≤ 120kg, → Pmax = 120 kg
120 kg < Pstvarno (Preal) ≤ 135kg, → Pmax = 135 kg
135 kg < Pstvarno (Preal) ≤ 150kg, → Pmax = 150 kg



Tablica odabira koeficijenta Pmax ovisno o stvarnoj težini krila (Pstvarno), slučaj sa zatvaračem Table for selecting the Pmax coefficient depending on the actual weight (Preal) of the leaf, case with a door closer
Pstvarno (Preal) ≤ 100kg, → Pmax = 100 kg
100 kg < Pstvarno (Preal) ≤ 120kg, → Pmax = 120 kg
120 kg < Pstvarno (Preal) ≤ 135kg, → Pmax = 135 kg

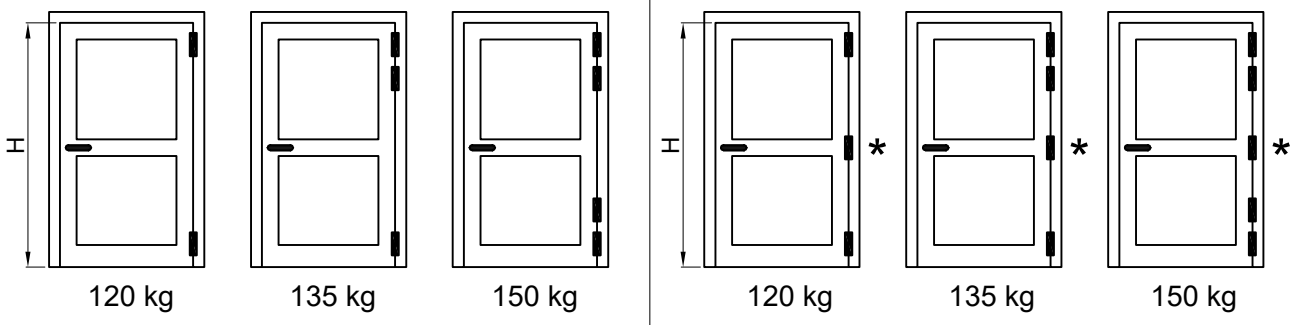


Tablica 2 Table 2

- TABLICA POVEZANOSTI NOSIVOSTI,VISINE I POTREBNOG BROJA GIESSE SKRIVENIH ŠARKI
- TABLE OF RELATIONSHIP BETWEEN LOAD CAPACITY, HEIGHT AND NECESSARY NUMBER OF GIESSE CONCEALED HINGES

Upotreba bez zatvarača Usage without door closer

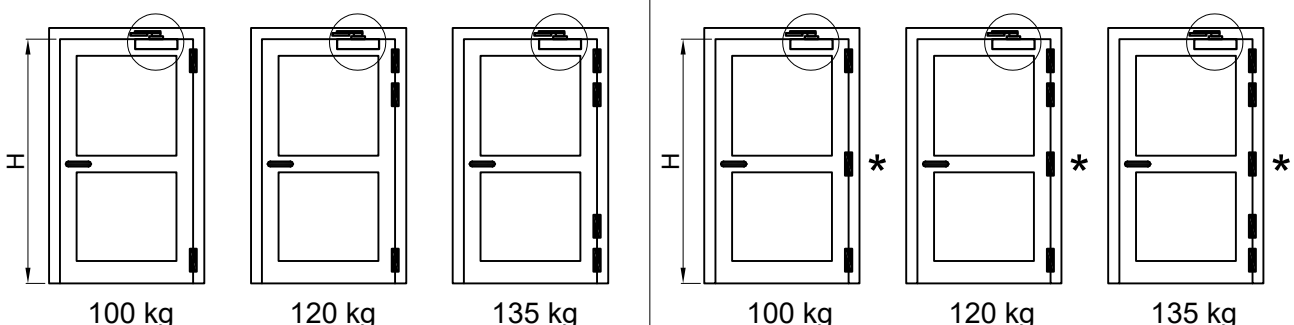
H < 2500	H ≥ 2500



* Preporuka Recommended

Upotreba sa zatvaračem Usage with door closer

H < 2500	H ≥ 2500

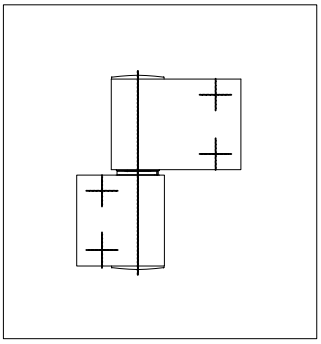


* Preporuka Recommended

TÜRBAND 4 DVODIJELNE ŠARKE (M901_XXXX-M949_XXXX)
TÜRBAND 4 AT TWO-PIECE HINGE (M901_XXXX-M949_XXXX)

Visina krila / Leaf height	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450
3000	180	180	180	180	180	180	180	180	180	
2900	180	180	180	180	180	180	180	180	180	
2800	180	180	180	180	180	180	180	180	180	
2700	180	180	180	180	180	180	180	180	175	
2600	180	180	180	180	180	180	180	170	165	
2500	180	180	180	180	180	175	170	165	155	
2400	180	180	180	180	175	170	160	155	150	
2300	180	180	180	175	165	160	155	145	140	
2200	180	175	170	165	155	150	145	140	135	
2100	180	165	160	155	150	140	135	130	125	
2000										

Širina krila / Leaf width

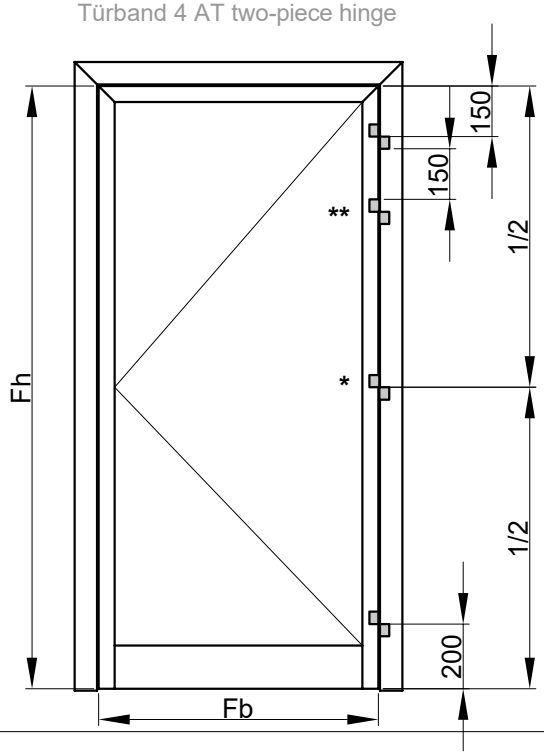


Napomene proizvođača šarki (Dr. Hahn):
Svi podaci vrijede ako su zadovoljeni uvjeti pravilne montaže (gornja šarka 150 mm od vrha krila, donja 200 mm od dna krila), za korištenje dvije šarke kod srednje ili niskofrekventne upotrebe.
Za primjenu na vratima sa zatvaračem, automatskim vratima ili kod visokofrekventne upotrebe (na javnim objektima), preporučuje se montaža treće šarke 150 mm ispod gornje.
Gore navedene težine ne smiju se prekoračiti!

Hinges manufacturer remarks (Dr. Hahn):
All data is only valid if the minimum distances of the hinges is guaranteed (leaf height, minus 150 mm for upper hinge, minus 200 mm for lower hinge), for the use of 2 hinges and medium or low frequency of use.
For applications with door closers, automatic doors or high frequency of use (for example public buildings), we recommend the installation of a third hinge 150 mm below the upper hinge.
The above mentioned weights shall not be exceeded!

Preporuke za ugradnju Dr. Hahn Türband 4 AT šarki
Recommendations for montage of the Dr. Hahn Türband 4 AT hinges

Türband 4 AT dvodijelna šarka
Türband 4 AT two-piece hinge

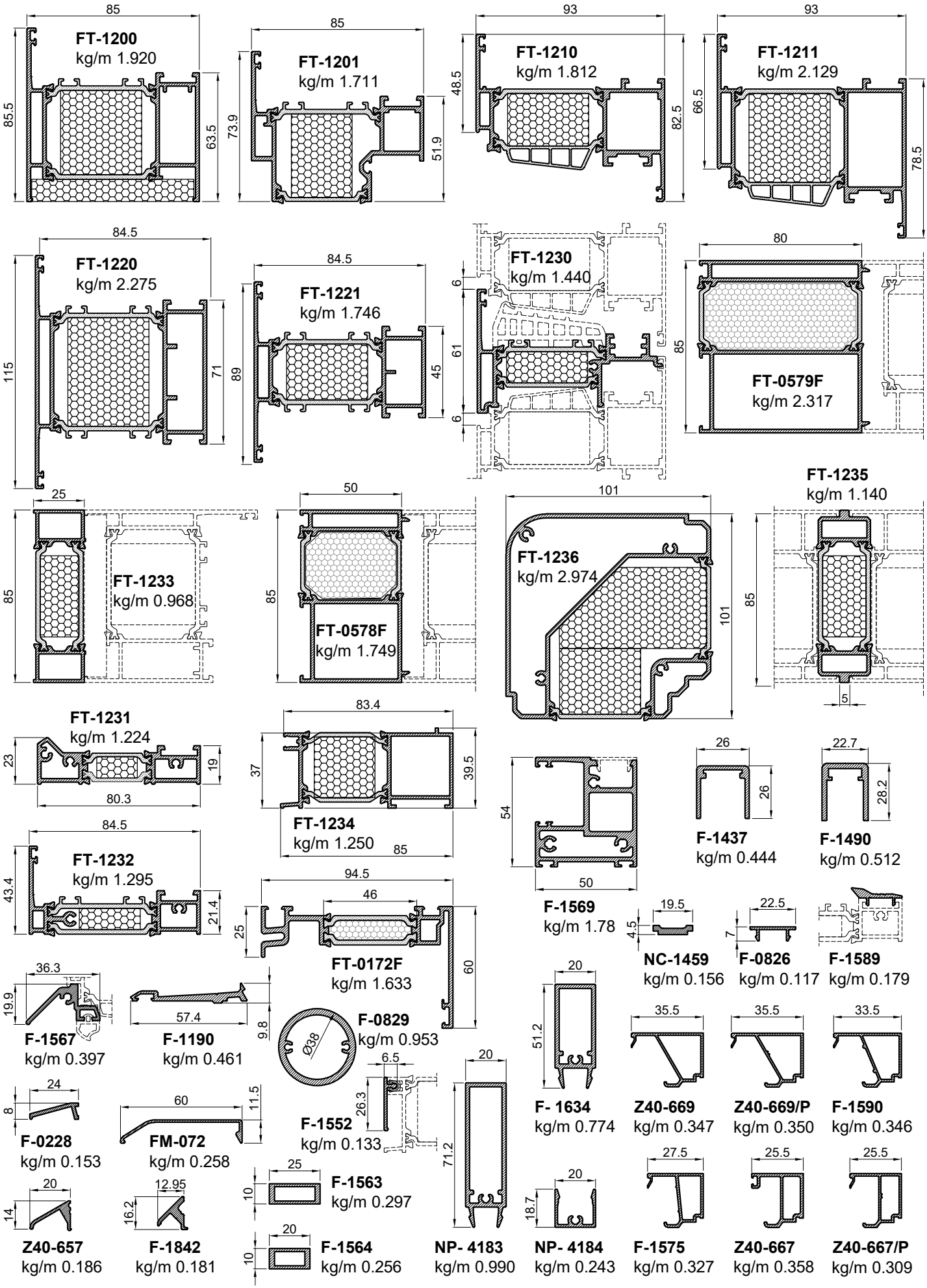


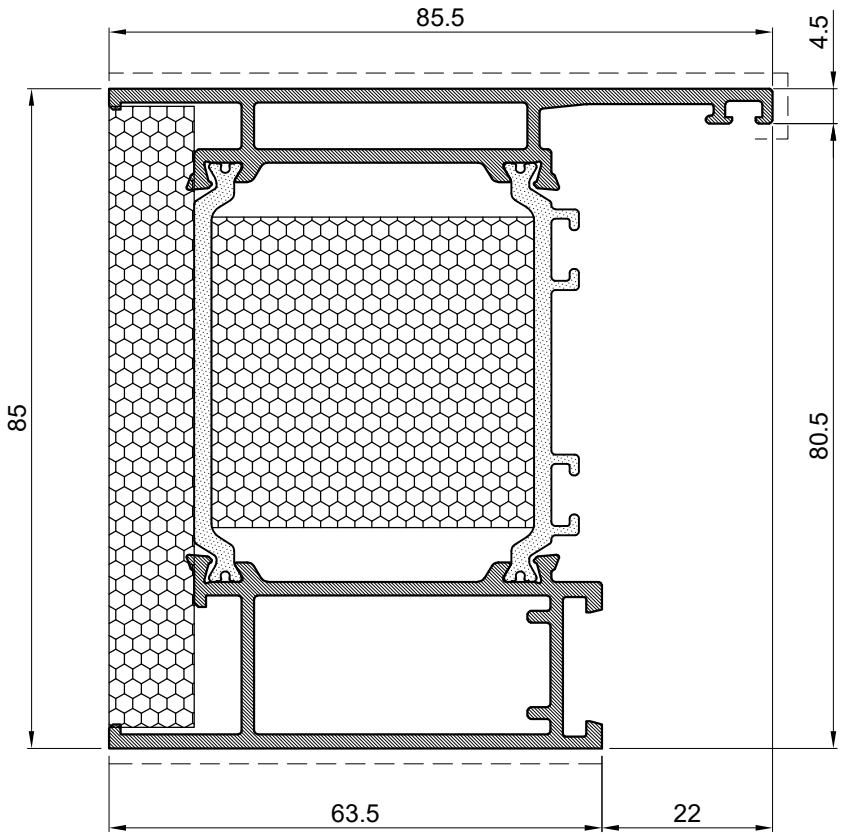
* Dodatna šarka za bolje brtvljenje preporučuje se za visine krila iznad 2200 mm.
** Na vratima s ugrađenim zatvaračem kao i na vratima za javnu upotrebu potrebno je koristiti najmanje tri šarke.
* Additional door hinge for better sealing pressure is recommended for leaf height over 2200 mm.
** Doors fitted with door closers as well as doors for public use should use at least three hinges.

Napomena:
Ne podmazivati, čahure su napravljene od PVC-a koji ne zahtijeva održavanje!
Remark:
Bearing bushes made of maintenance-free PVC - do not lubricate!

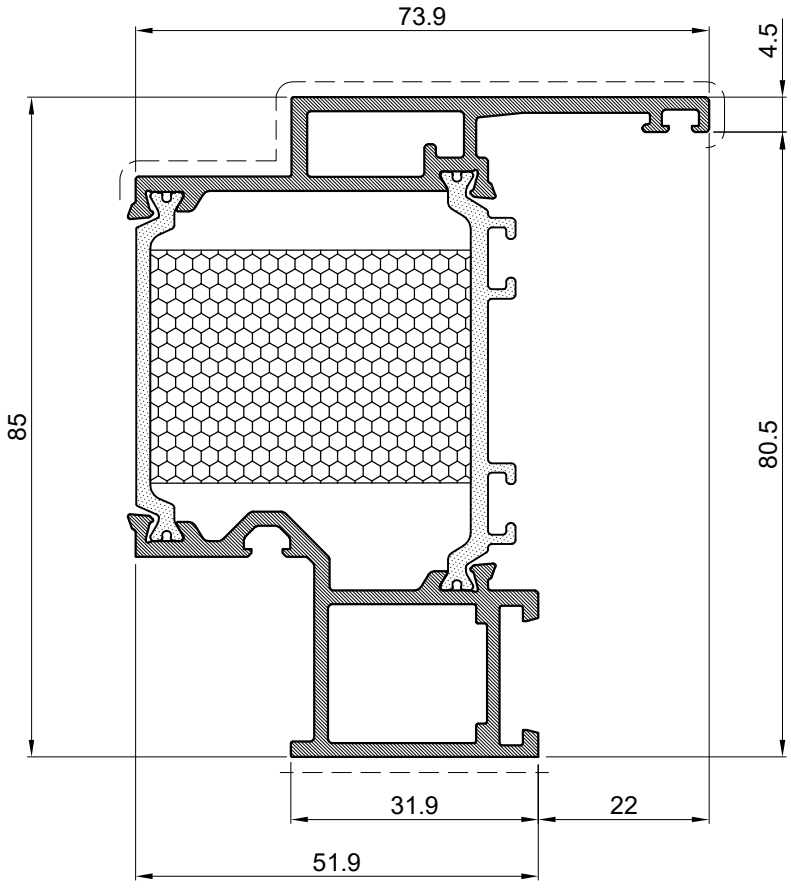
Fh = Visina krila
Leaf height
Fb = Širina krila
Leaf width

Profili
Profiles

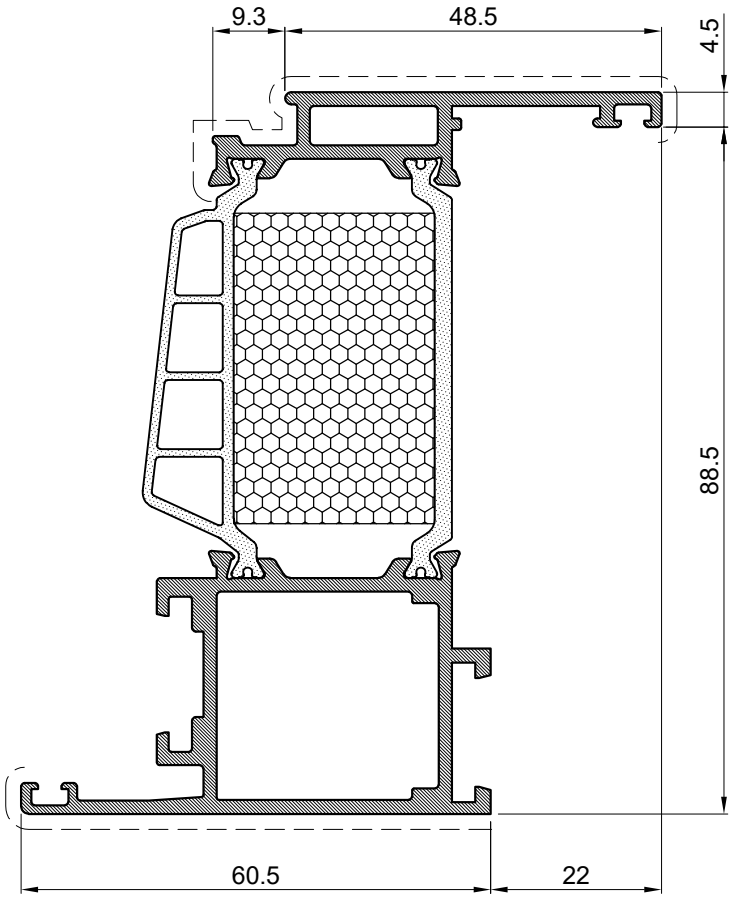

FT-1200
kg/m 1.920
FT-1201
kg/m 1.711
FT-1210
kg/m 1.812
FT-1211
kg/m 2.129
FT-1220
kg/m 2.275
FT-1221
kg/m 1.746
FT-1230
kg/m 1.440
FT-0579F
kg/m 2.317
FT-1233
kg/m 0.968
FT-0578F
kg/m 1.749
FT-1236
kg/m 2.974
FT-1235
kg/m 1.140
FT-1231
kg/m 1.224
FT-1234
kg/m 1.250
FT-1232
kg/m 1.295
F-1569
kg/m 1.78
F-1437
kg/m 0.444
F-1490
kg/m 0.512
FT-0172F
kg/m 1.633
NC-1459
kg/m 0.156
F-0826
kg/m 0.117
F-1589
kg/m 0.179
F-1567
kg/m 0.397
F-1190
kg/m 0.461
F-0829
kg/m 0.953
F- 1634
kg/m 0.774
Z40-669
kg/m 0.347
Z40-669/P
kg/m 0.350
F-1590
kg/m 0.346
F-0228
kg/m 0.153
FM-072
kg/m 0.258
F-1552
kg/m 0.133
F-1563
kg/m 0.297
F-1564
kg/m 0.256
Z40-657
kg/m 0.186
F-1842
kg/m 0.181
NP- 4183
kg/m 0.990
NP- 4184
kg/m 0.243
F-1575
kg/m 0.327
Z40-667
kg/m 0.358
Z40-667/P
kg/m 0.309



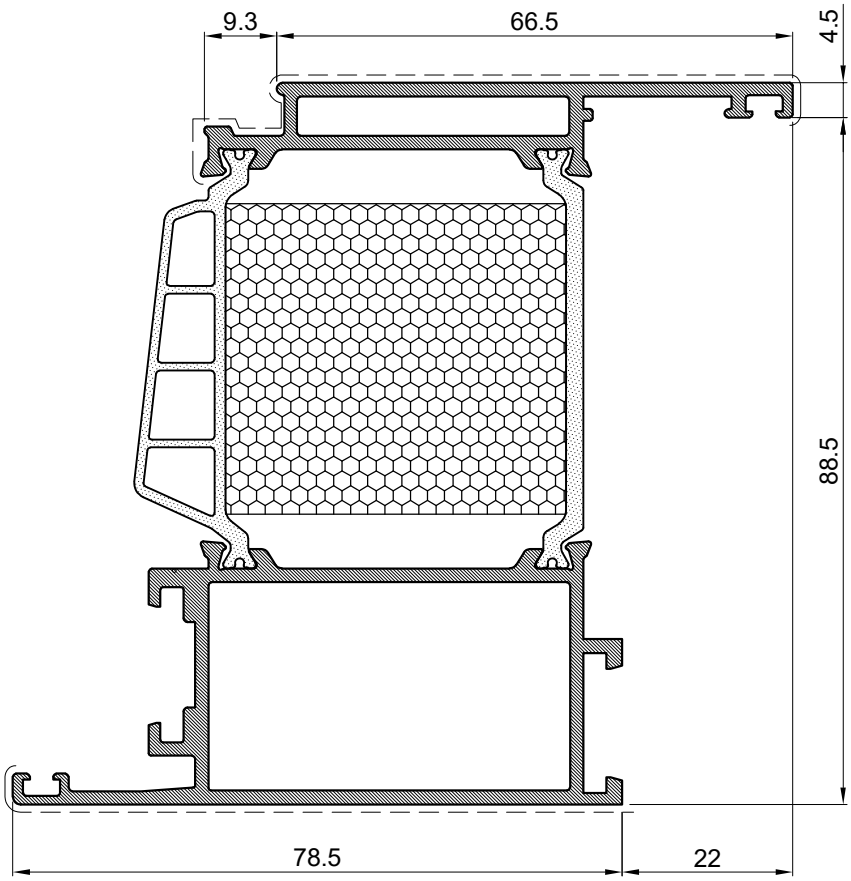
Profil rama Frame profile		
Art.Br. Art.Nr.	**FT-1200**	
Težina Weight	kg/m'	**1.920**
Opseg Perimeter	mm	**479.8**
Moment inercije Moments of inertia	Ix (cm4)	**54.47**
	Iy (cm4)	**26.13**
	Wx (cm3)	**16.93**
	Wy (cm3)	**5.51**
L	mm	**6500**



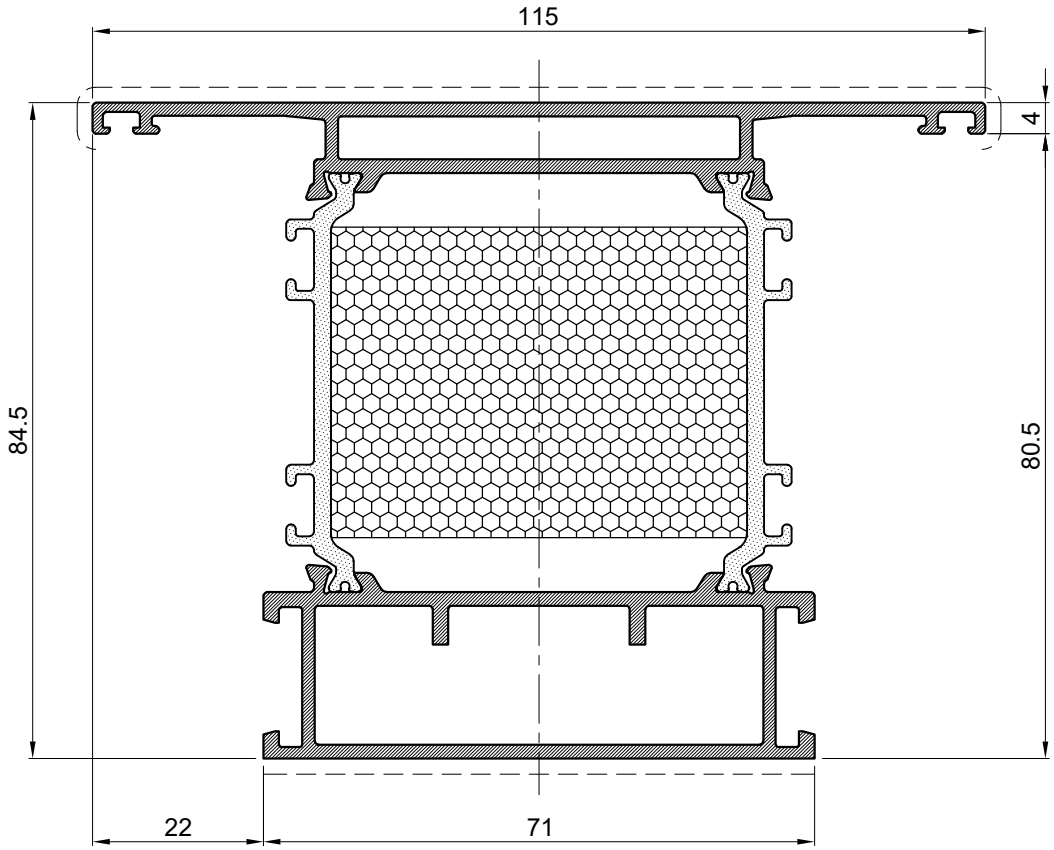
Profil rama-spoj sa fasadom Curtain wall frame		
Art.Br. Art.Nr.	**FT-1201**	
Težina Weight	kg/m'	**1.711**
Opseg Perimeter	mm	**417.6**
Moment inercije Moments of inertia	Ix (cm4)	**40.15**
	Iy (cm4)	**15.78**
	Wx (cm3)	**12.15**
	Wy (cm3)	**3.80**
L	mm	**6500**



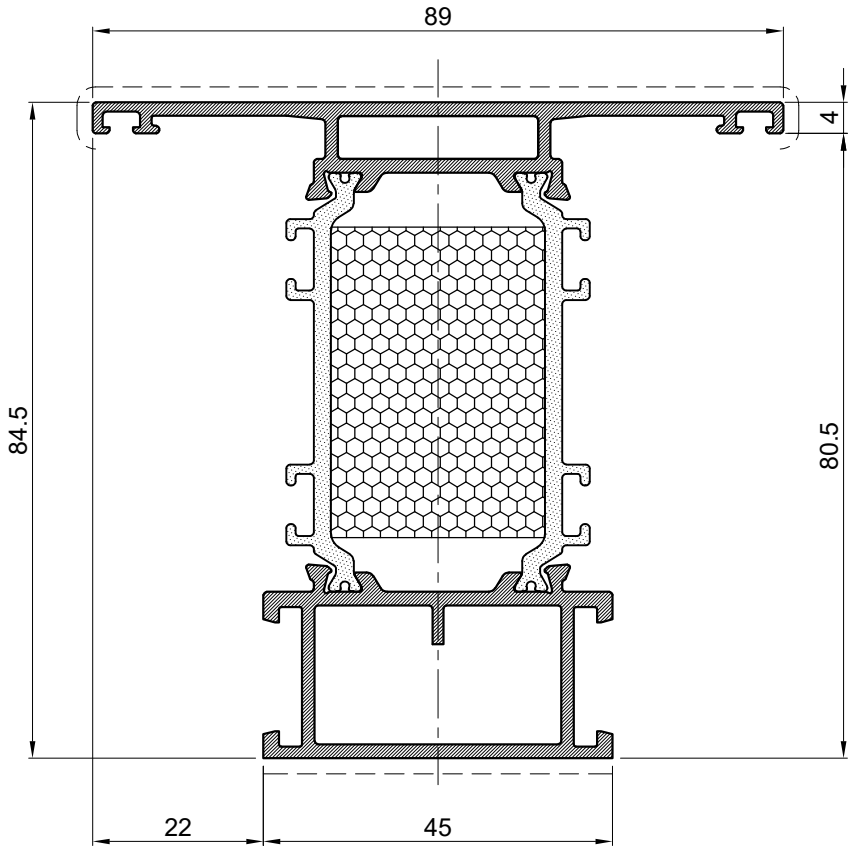
Profil krila Sash profile		
Art.Br. Art.Nr.	**FT-1210**	
Težina Weight	kg/m'	**1.812**
Opseg Perimeter	mm	**458.10**
Moment inercije Moments of inertia	Ix (cm4)	**54.16**
	Iy (cm4)	**17.16**
	Wx (cm3)	**14.47**
	Wy (cm3)	**4.1**
L	mm	**6500**



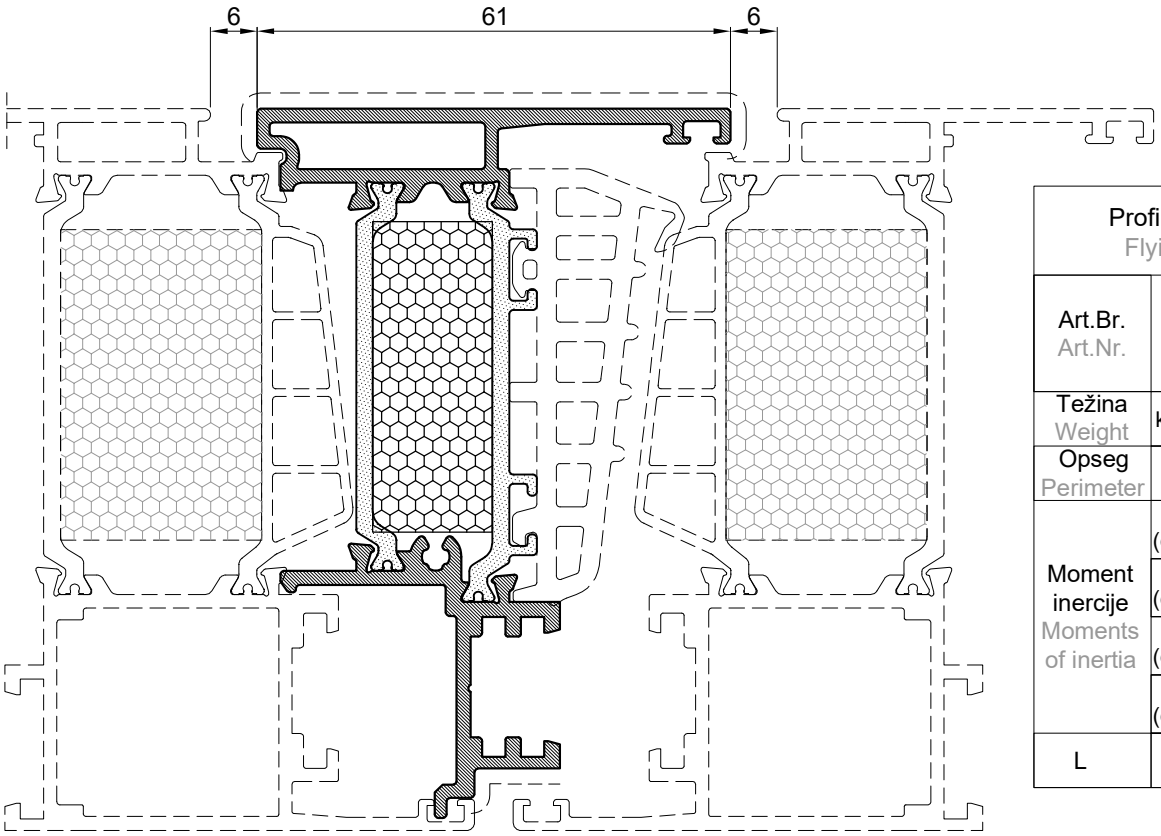
Profil krila Sash profile		
Art.Br. Art.Nr.	**FT-1211**	
Težina Weight	kg/m'	**2.129**
Opseg Perimeter	mm	**507.28**
Moment inercije Moments of inertia	Ix (cm4)	**67.82**
	Iy (cm4)	**36.52**
	Wx (cm3)	**19.03**
	Wy (cm3)	**7.15**
L	mm	**6500**



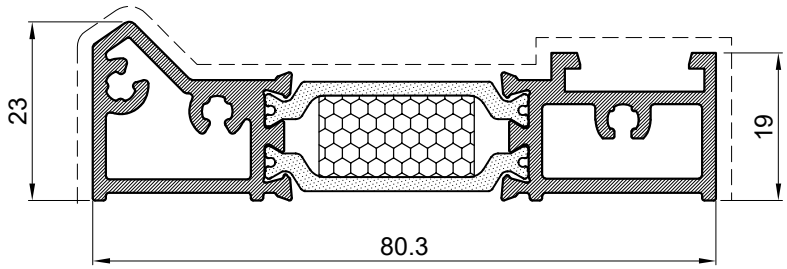
Profil prečke Window crossbar		
Art.Br. Art.Nr.	**FT-1220**	
Težina Weight	kg/m'	**2.275**
Opseg Perimeter	mm	**563.6**
Moment inercije Moments of inertia	Ix (cm4)	**63.60**
	Iy (cm4)	**50.62**
	Wx (cm3)	**19.51**
	Wy (cm3)	**8.80**
L	mm	**6500**



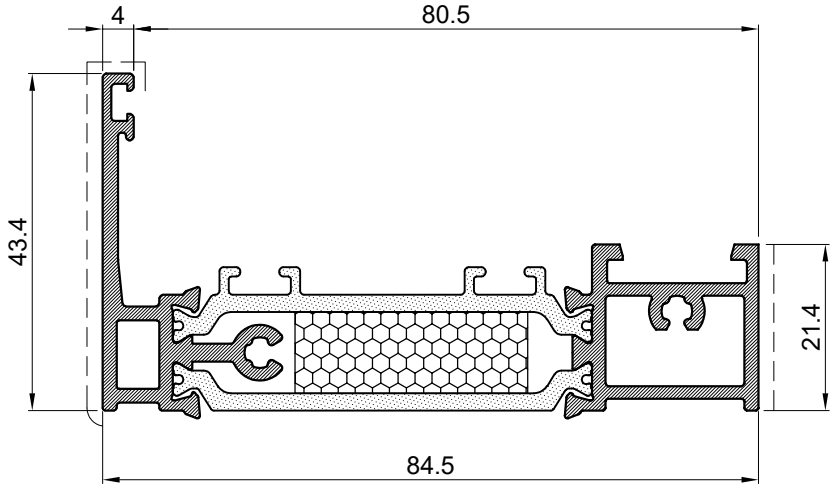
Profil prečke Window crossbar		
Art.Br. Art.Nr.	**FT-1221**	
Težina Weight	kg/m'	**1.746**
Opseg Perimeter	mm	**533**
Moment inercije Moments of inertia	Ix (cm4)	**46.34**
	Iy (cm4)	**18.73**
	Wx (cm3)	**13.93**
	Wy (cm3)	**4.21**
L	mm	**6500**



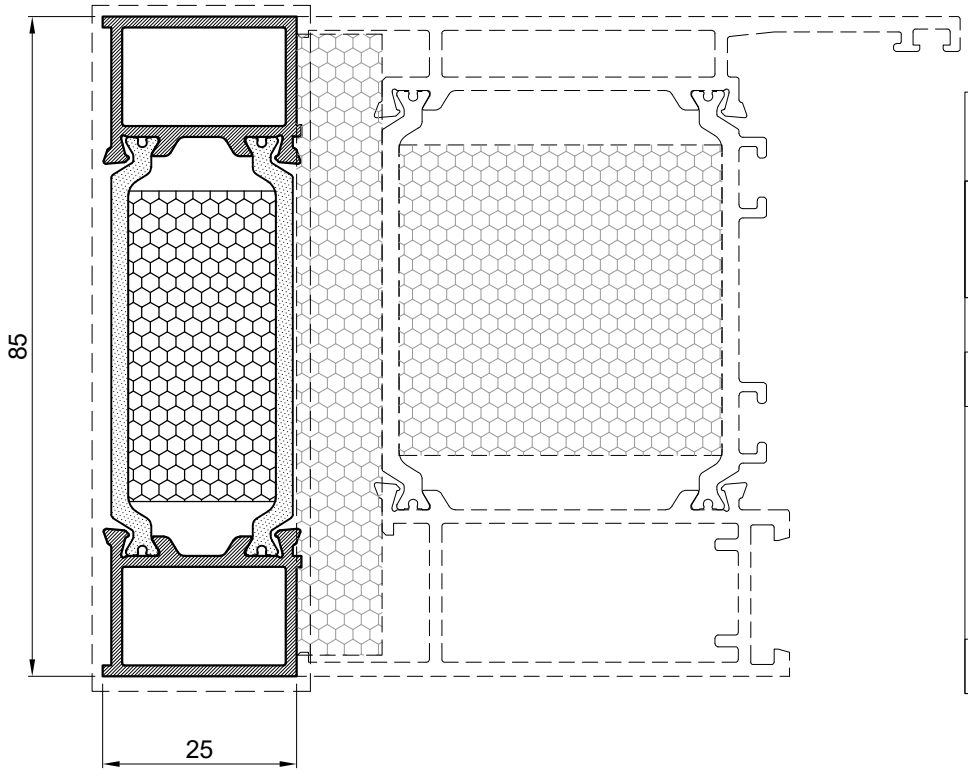
Profil kombatute Flying mullion		
Art.Br. Art.Nr.	**FT-1230**	
Težina Weight	kg/m'	**1.440**
Opseg Perimeter	mm	**443.8**
Moment inercije Moments of inertia	Ix (cm4)	**34.54**
	Iy (cm4)	**8.02**
	Wx (cm3)	**8.50**
	Wy (cm3)	**2.25**
L	mm	**6500**



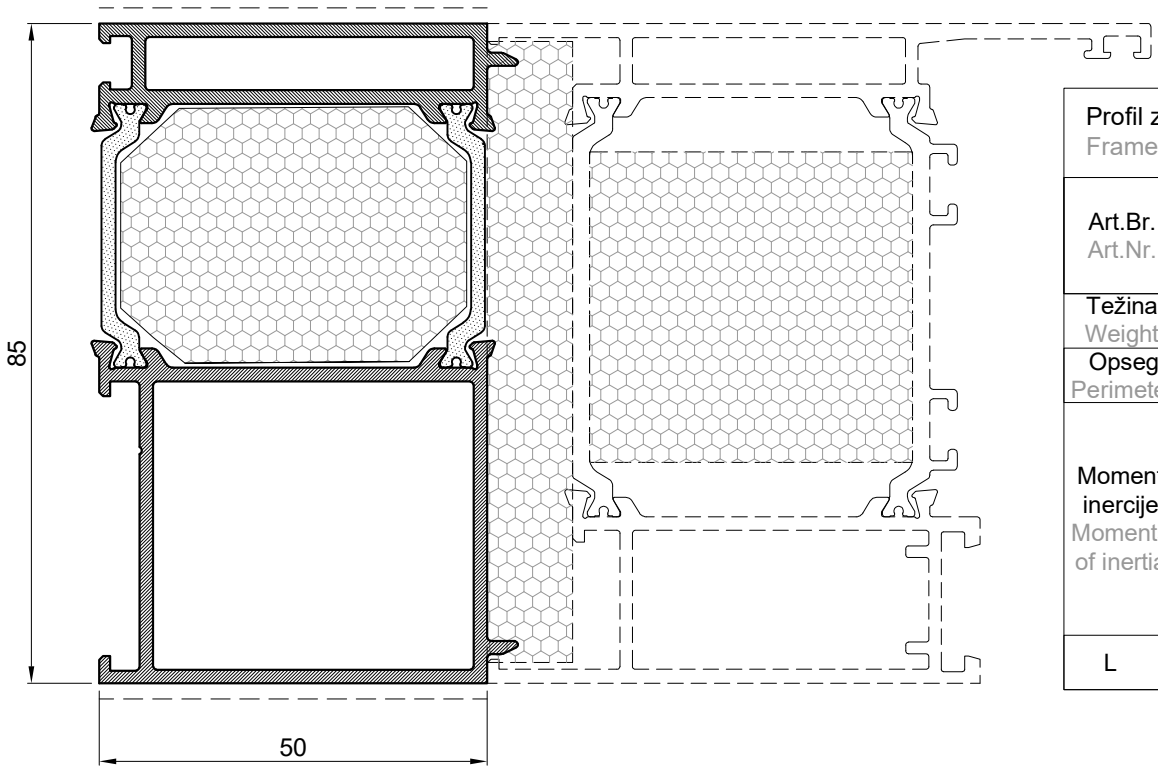
Profil praga Threshold profile		
Art.Br. Art.Nr.	**FT-1231**	
Težina Weight	kg/m'	**1.224**
Opseg Perimeter	mm	**244.8**
L	mm	**6500**



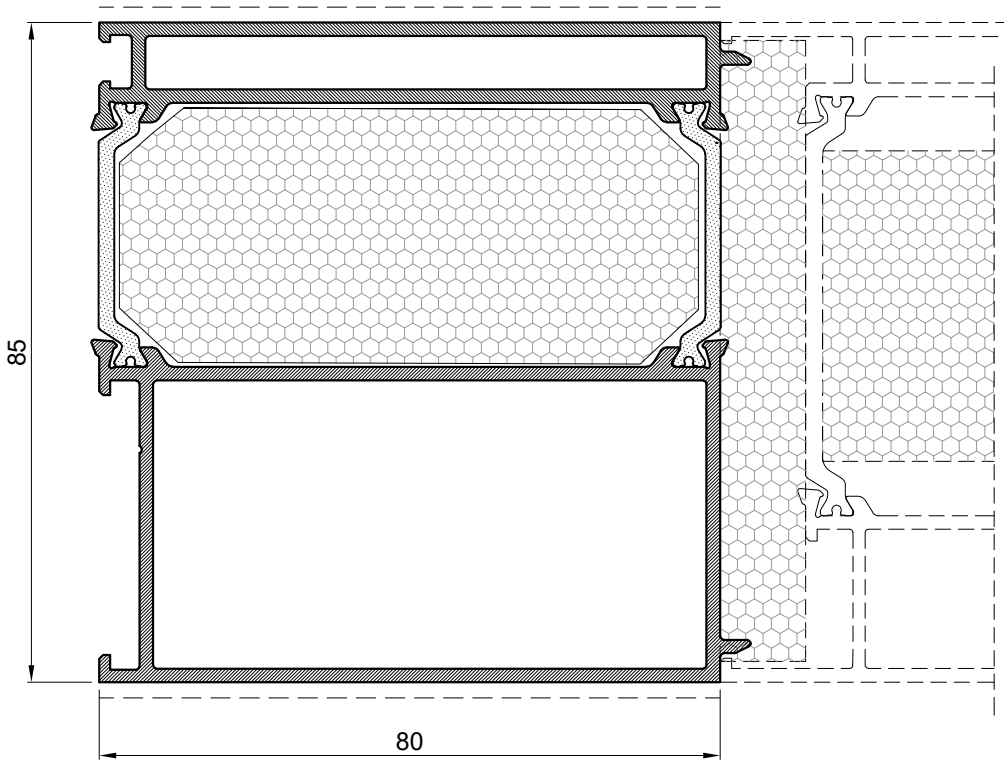
Profil praga Threshold profile		
Art.Br. Art.Nr.	**FT-1232**	
Težina Weight	kg/m'	**1.295**
Opseg Perimeter	mm	**359.4**
L	mm	**6500**



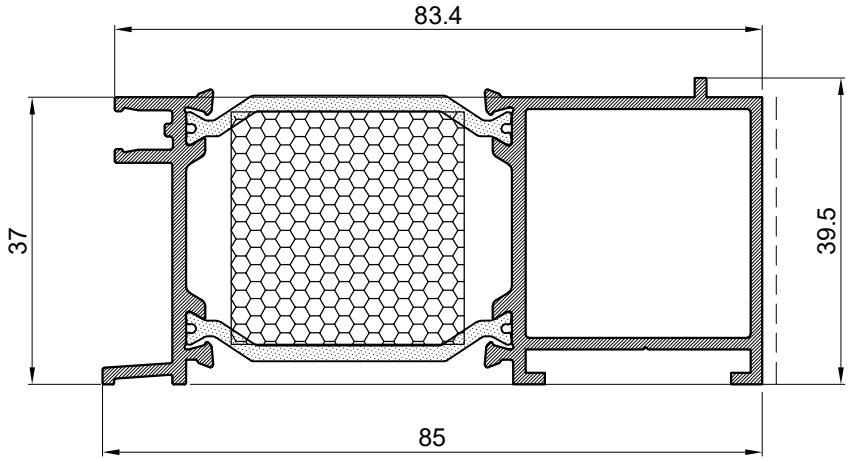
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	**FT-1233**	
Težina Weight	kg/m'	**0.968**
Opseg Perimeter	mm	**245**
Moment inercije Moments of inertia	Ix (cm4)	**21.04**
	Iy (cm4)	**2.02**
	Wx (cm3)	**6.96**
	Wy (cm3)	**1.56**
L	mm	**6500**



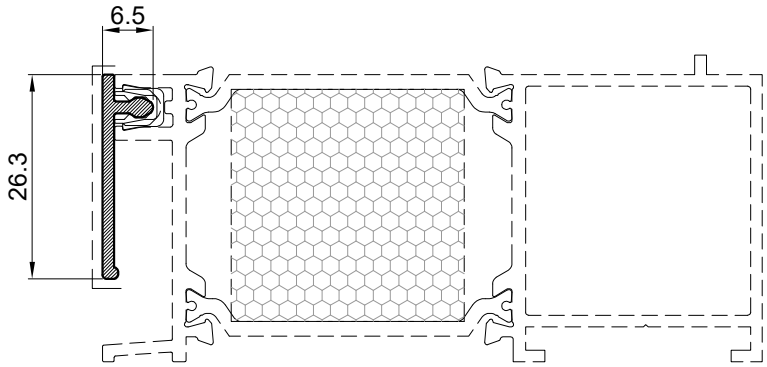
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	**FT-0578F**	
Težina Weight	kg/m'	**1.749**
Opseg Perimeter	mm	**309**
Moment inercije Moments of inertia	Ix (cm4)	**41.85**
	Iy (cm4)	**18.21**
	Wx (cm3)	**12.32**
	Wy (cm3)	**6.50**
L	mm	**6500**



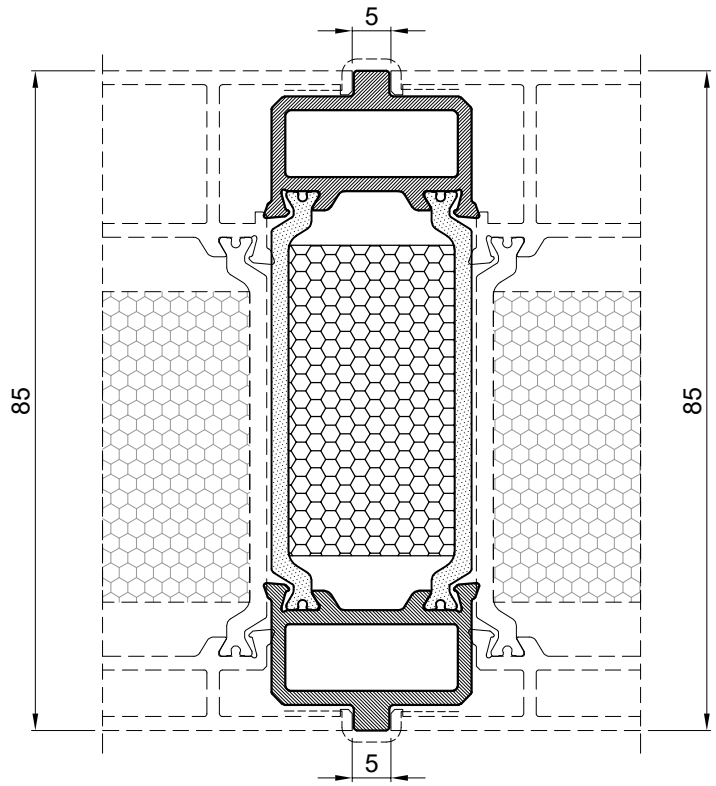
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	**FT-0579F**	
Težina Weight	kg/m'	**2.317**
Opseg Perimeter	mm	**369**
Moment inercije Moments of inertia	Ix (cm4)	**59.31**
	Iy (cm4)	**60.58**
	Wx (cm3)	**16.95**
	Wy (cm3)	**14.03**
L	mm	**6500**



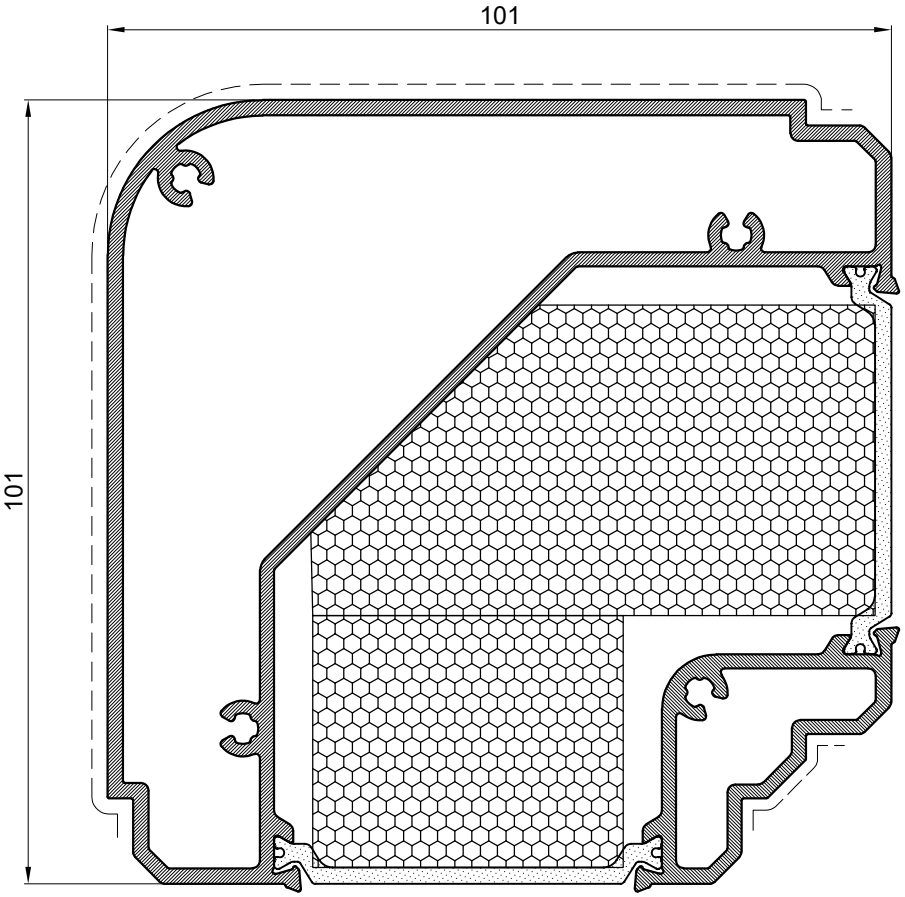
Profil za proširenje Extension profile		
Art.Br. Art.Nr.	**FT-1234**	
Težina Weight	kg/m'	**1.250**
Opseg Perimeter	mm	**325.4**
Moment inercije Moments of inertia	Ix (cm4)	**6.57**
	Iy (cm4)	**32.95**
	Wx (cm3)	**3.28**
	Wy (cm3)	**7.1**
L	mm	**6500**



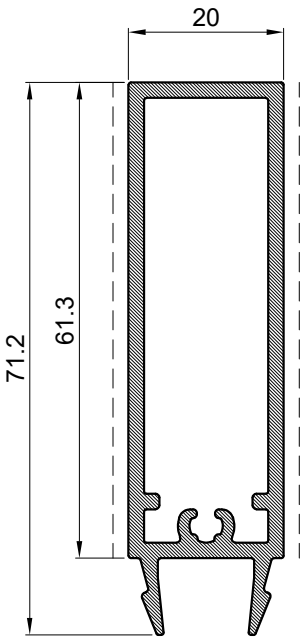
Profil maska Mask profile		
Art.Br. Art.Nr.	**F-1552**	
Težina Weight	kg/m'	**0.133**
Opseg Perimeter	mm	**66**
L	mm	**6500**



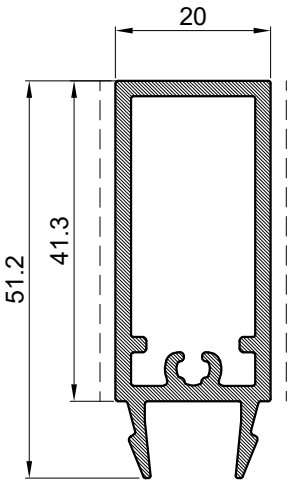
Vezni profil Connection profile		
Art.Br. Art.Nr.	**FT-1235**	
Težina Weight	kg/m'	**1.140**
Opseg Perimeter	mm	**235**
Moment inercije Moments of inertia	Ix (cm4)	**25.16**
	Iy (cm4)	**2.38**
	Wx (cm3)	**8.35**
	Wy (cm3)	**1.71**
L	mm	**6500**



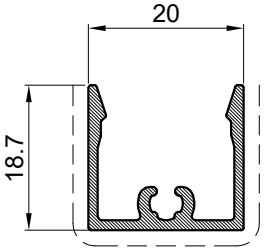
Profil za spoj pod kutem Profile for angle joint		
Art.Br. Art.Nr.	**FT-1236**	
Težina Weight	kg/m'	**2.974**
Opseg Perimeter	mm	**401.2**
Moment inercije Moments of inertia	Ix (cm4)	**115.48**
	Iy (cm4)	**126.59**
	Wx (cm3)	**23.21**
	Wy (cm3)	**23.20**
L	mm	**6500**



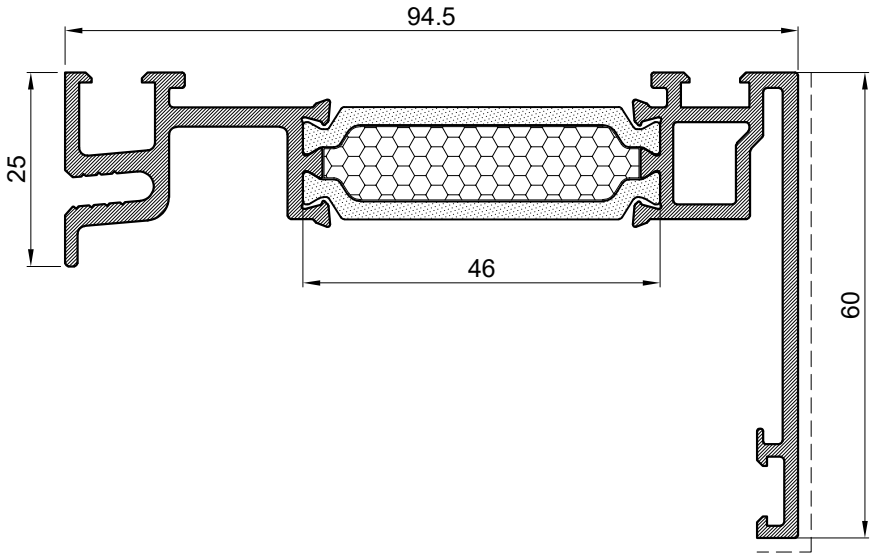
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	**NP- 4183**	
Težina Weight	kg/m'	**0.990**
Opseg Perimeter	mm	**200**
Moment inercije Moments of inertia	Ix (cm4)	**18.21**
	Iy (cm4)	**2.34**
	Wx (cm3)	**5.11**
	Wy (cm3)	**2.34**
L	mm	**6500**



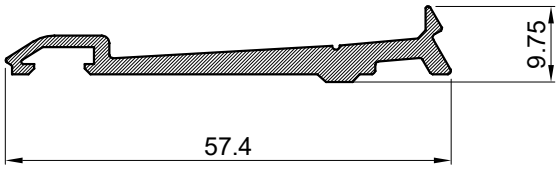
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	**F- 1634**	
Težina Weight	kg/m'	**0.774**
Opseg Perimeter	mm	**159.9**
Moment inercije Moments of inertia	Ix (cm4)	**7,06**
	Iy (cm4)	**1,69**
	Wx (cm3)	**2,69**
	Wy (cm3)	**1,69**
L	mm	**6500**



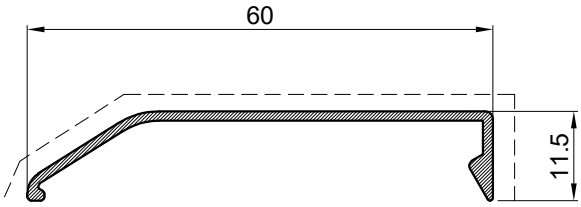
Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	**NP-4184**	
Težina Weight	kg/m'	**0.243**
Opseg Perimeter	mm	**129**
L	mm	**6500**



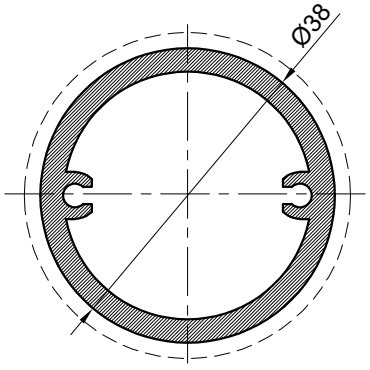
Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**FT-0172F**	
Težina Weight	kg/m'	**1.633**
Opseg Perimeter	mm	**488**
L	mm	**6500**



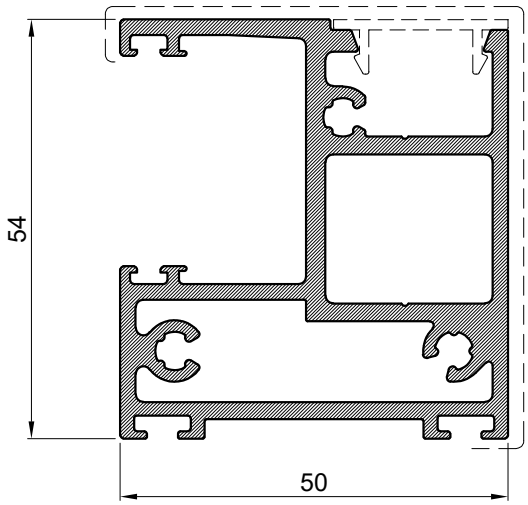
Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**F-1190**	
Težina Weight	kg/m'	**0.461**
Opseg Perimeter	mm	**145**
L	mm	**6500**



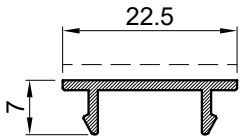
Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**FM-072**	
Težina Weight	kg/m'	**0.258**
Opseg Perimeter	mm	**152**
L	mm	**6500**



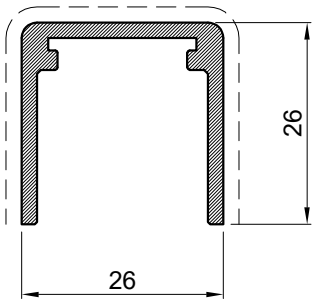
Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	**F-0829**	
Težina Weight	kg/m'	**0.953**
Opseg Perimeter	mm	**119**
L	mm	**6500**



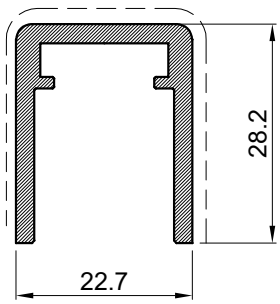
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	**F-1569**	
Težina Weight	kg/m'	**1.78**
Opseg Perimeter	mm	**357**
L	mm	**6500**



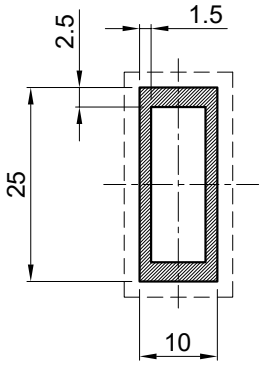
Pokrivni profil Cover profile		
Art.Br. Art.Nr.	**F-0826**	
Težina Weight	kg/m'	**0.117**
Opseg Perimeter	mm	**70**
L	mm	**6500**



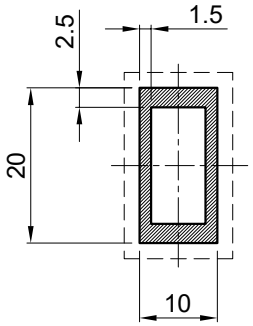
Profil rukovata za 1010.4 Handrail profile for 1010.4		
Art.Br. Art.Nr.	**F-1437**	
Težina Weight	kg/m'	**0.444**
Opseg Perimeter	mm	**154**
L	mm	**6500**



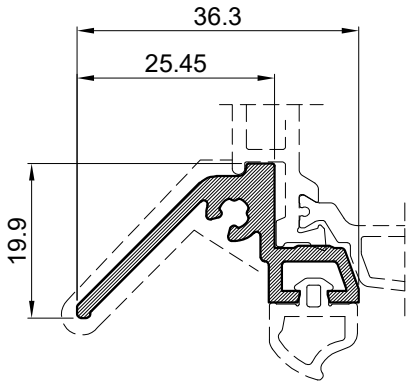
Profil rukovata za 88.4 Handrail profile for 88.4		
Art.Br. Art.Nr.	**F-1490**	
Težina Weight	kg/m'	**0.512**
Opseg Perimeter	mm	**158**
L	mm	**6500**



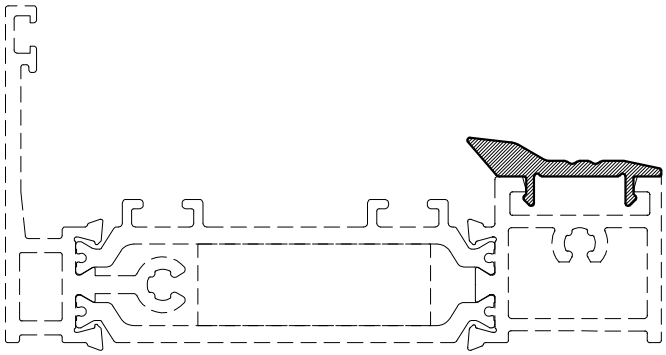
Umetak za otvore Insert for openings		
Art.Br. Art.Nr.	**F-1563**	
Težina Weight	kg/m'	**0.297**
Opseg Perimeter	mm	**70**
L	mm	**6500**



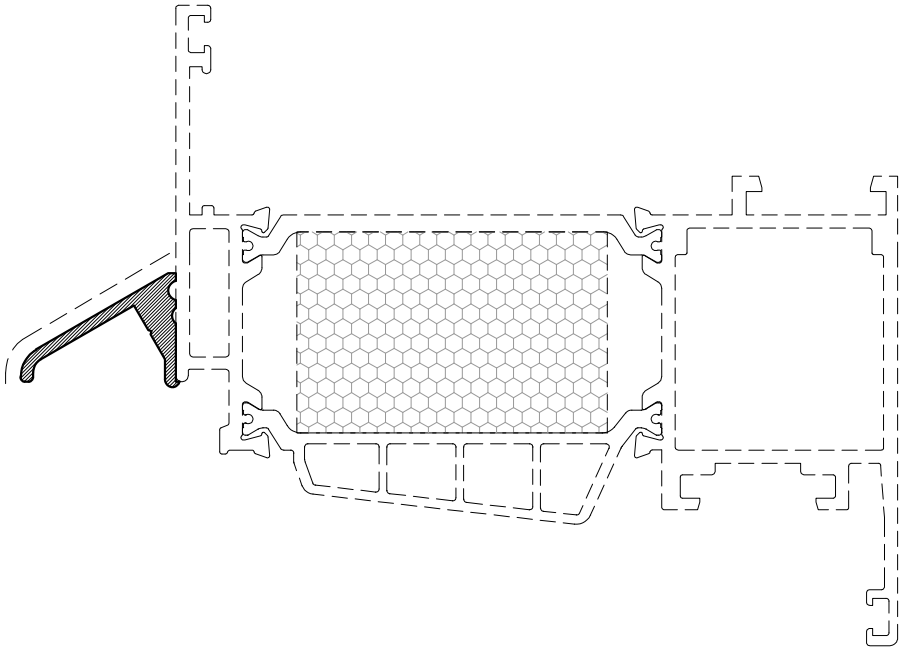
Umetak za otvore Insert for openings		
Art.Br. Art.Nr.	**F-1564**	
Težina Weight	kg/m'	**0.256**
Opseg Perimeter	mm	**59.66**
L	mm	**6500**



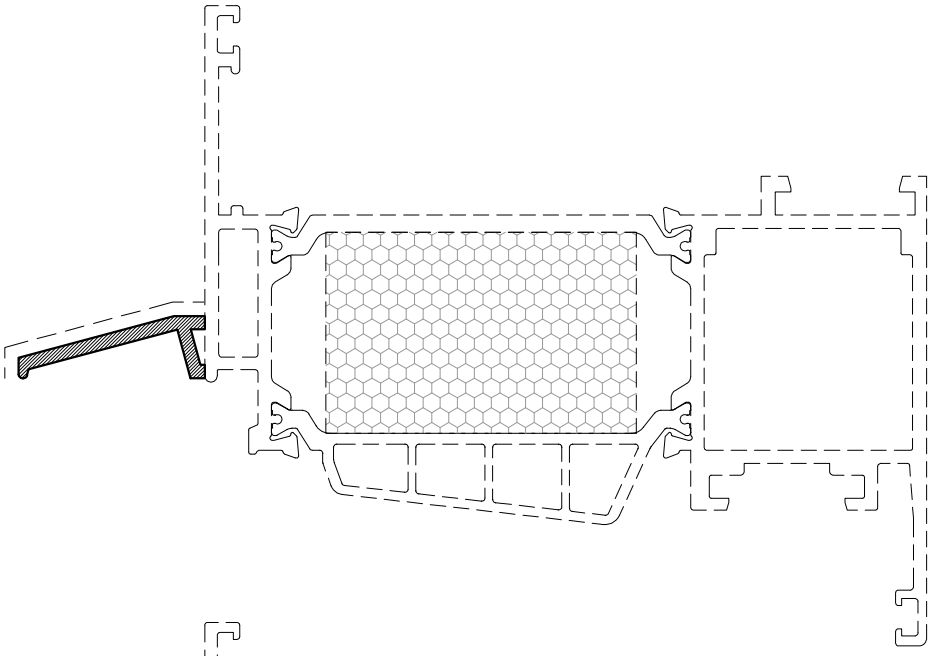
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	**F-1567**	
Težina Weight	kg/m'	**0.397**
Opseg Perimeter	mm	**145.5**
L	mm	**6500**



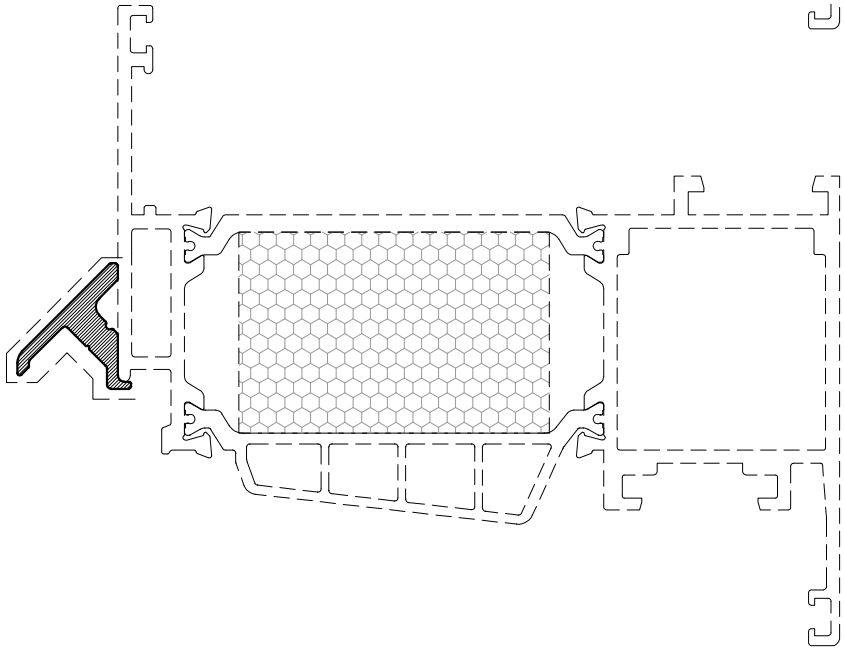
Profil maske Profile masks		
Art.Br. Art.Nr.	**F-1589**	
Težina Weight	kg/m'	**0.179**
Opseg Perimeter	mm	**69.9**
L	mm	**6500**



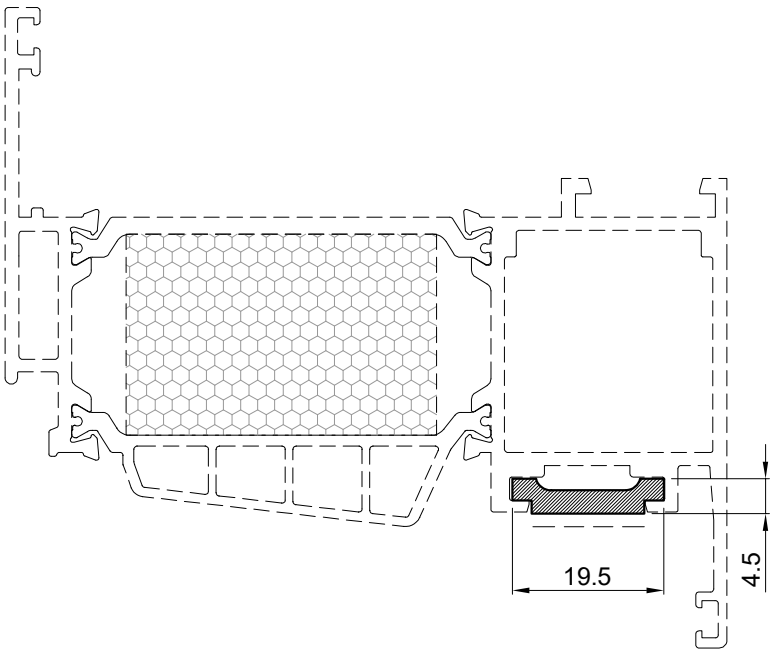
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	**Z40-657**	
Težina Weight	kg/m'	**0.186**
Opseg Perimeter	mm	**73**
L	mm	**6500**



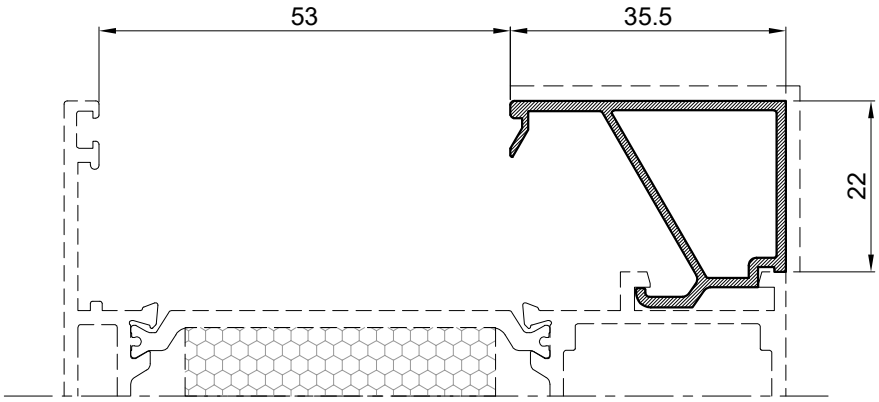
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	**F-0228**	
Težina Weight	kg/m'	**0.153**
Opseg Perimeter	mm	**68**
L	mm	**6500**



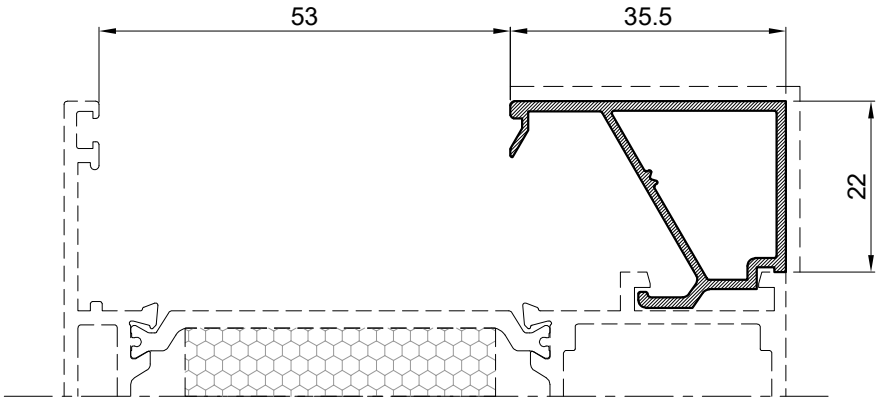
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	**F-1842**	
Težina Weight	kg/m'	**0.181**
Opseg Perimeter	mm	**63**
L	mm	**6500**



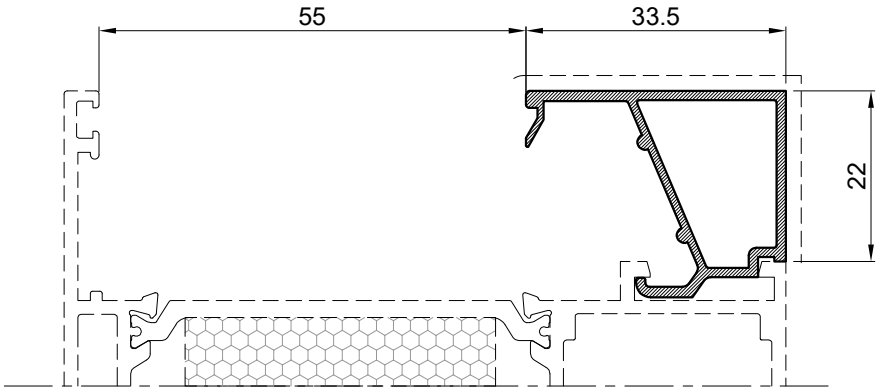
Profil klizača Slide profile		
Art.Br. Art.Nr.	**NC-1459**	
Težina Weight	kg/m'	**0.156**
Opseg Perimeter	mm	**51**
L	mm	**6500**



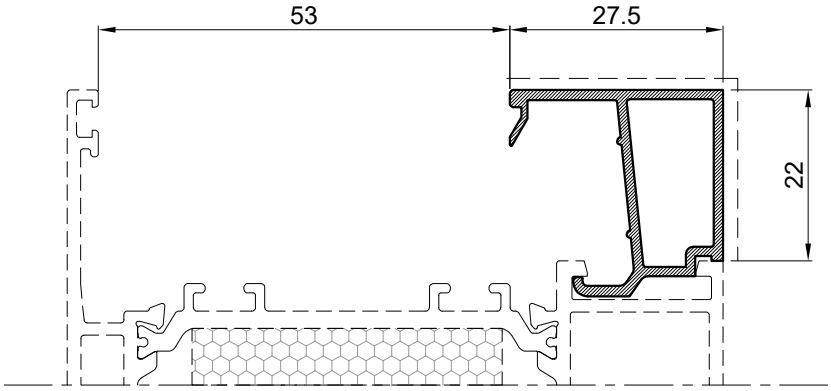
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**Z40-669**	
Težina Weight	kg/m'	**0.347**
Opseg Perimeter	mm	**143**
L	mm	**6500**



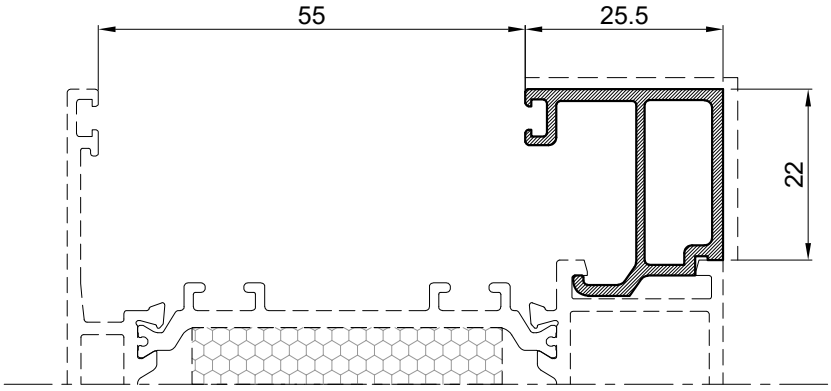
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**Z40-669/P**	
Težina Weight	kg/m'	**0.350**
Opseg Perimeter	mm	**142**
L	mm	**6500**



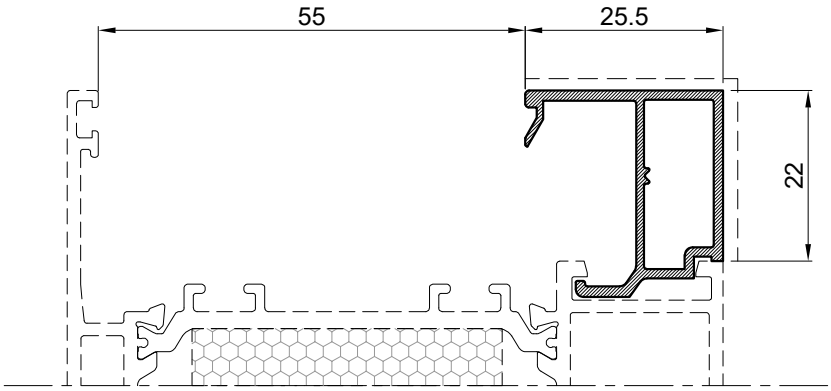
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**F-1590**	
Težina Weight	kg/m'	**0.346**
Opseg Perimeter	mm	**142.75**
L	mm	**6500**



Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**F-1575**	
Težina Weight	kg/m'	**0.327**
Opseg Perimeter	mm	**133.4**
L	mm	**6500**

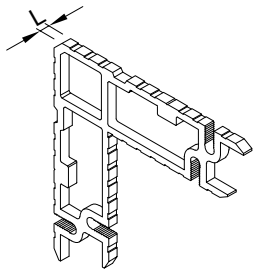
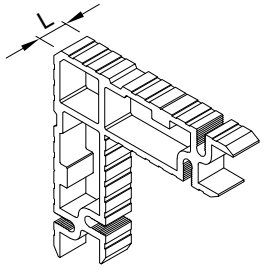
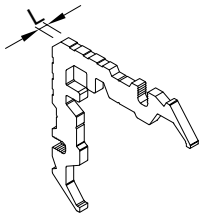
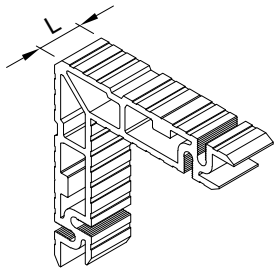
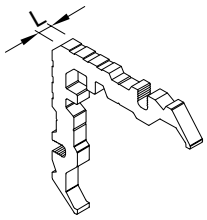
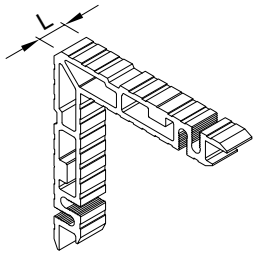


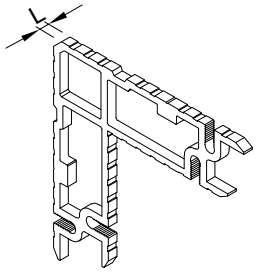
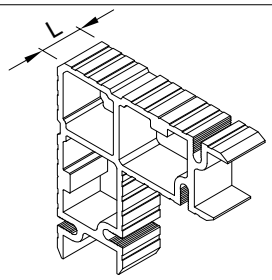
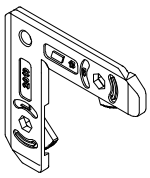
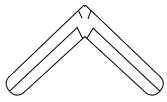
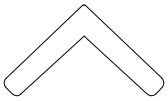
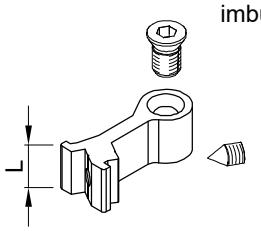
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**Z40-667**	
Težina Weight	kg/m'	**0.358**
Opseg Perimeter	mm	**139**
L	mm	**6500**

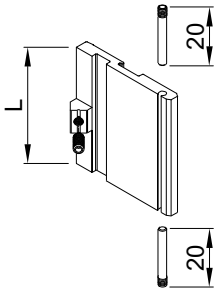
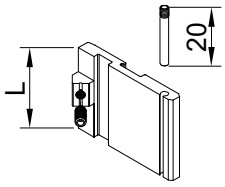


Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	**Z40-667/P**	
Težina Weight	kg/m'	**0.309**
Opseg Perimeter	mm	**131**
L	mm	**6500**

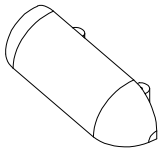
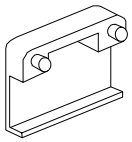
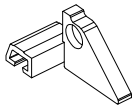
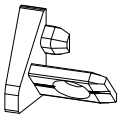
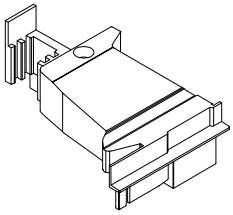
Vezni elementi
Connection elements

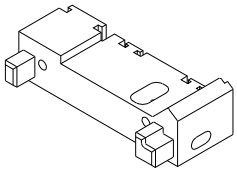
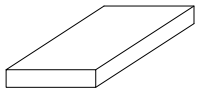
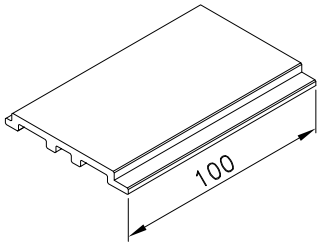
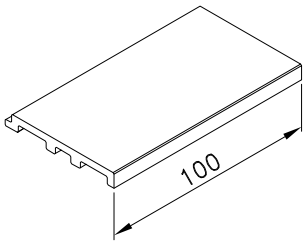
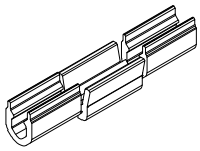
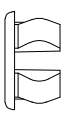
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
710.408		- Kutna spojnica 34.6, L=5.4 - Corner bracket 34.6, L=5.4	Al.	
710.409		- Kutna spojnica 34.6, L=17.3 - Corner bracket 34.6, L=17.3	Al.	
710.506		- Kutna spojnica 16, L=4.5 - Corner bracket 16, L=4.5	Al.	
710.411		- Kutna spojnica 24.6, L=26.3 - Corner bracket 24.6, L=26.3	Al.	
710.507		- Kutna spojnica 14.6, L=7.9 - Corner bracket 14.6, L=7.9	Al.	
710.436		- Kutna spojnica 18.5, L=17.3 - Corner bracket 18.5, L=17.3	Al.	

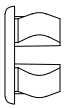
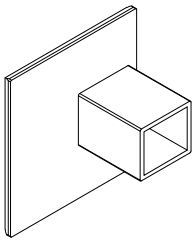
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
710.434		- Kutna spojnica 34.6, L=4.5 - Corner bracket 34.6, L=4.5	Al.	
710.435		- Kutna spojnica 46, L=26.3 - Corner bracket 46, L=26.3	Al.	
731.010		- Kutna spojnica za komoru 19.1x1.6 - Oznaka proizvođača Monticelli: 2019 - Corner bracket for chamber 19.1x1.6 - Manufacturer code Monticelli: 2019	Al.	
730.001		- Kutna spojnica za komoru 4.8x2 (Stara oznaka: G112, 0365) - Za profile krila prozora - Corner bracket for chamber 4.8x2 (Former code: G112, 0365) - For window sash profiles	Inox	
730.002		- Kutna spojnica za komoru 4.8x2 (Stara oznaka: G112/A) - Za profile rama prozora - Corner bracket for chamber 4.8x2 (Former code: G112/A) - For window frame profiles	Inox	
710.066		- Veznik, L=14.7 (Stara oznaka: E-200) - Connector, L=14.7 (Stara oznaka: E-200)	Al.	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
710.412		- Dodatni veznik L=51 - Additional connector L=51	Al.	
710.513		- Dodatni veznik L=25 - Additional connector L=25	Al.	

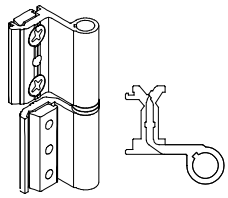
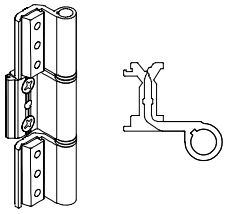
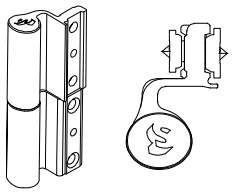
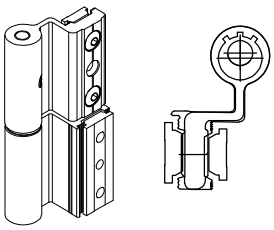
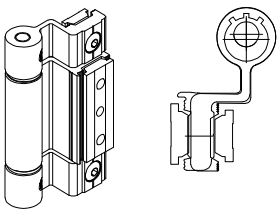
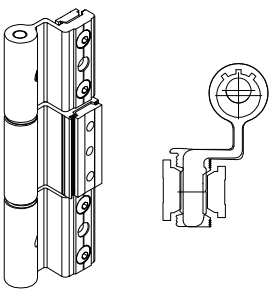
PVC elementi
PVC elements

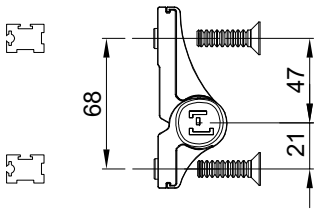
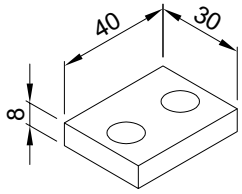
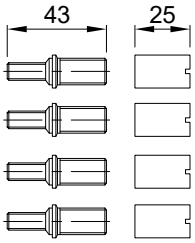
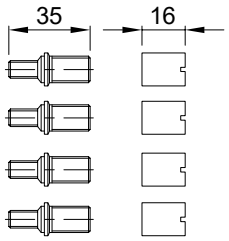
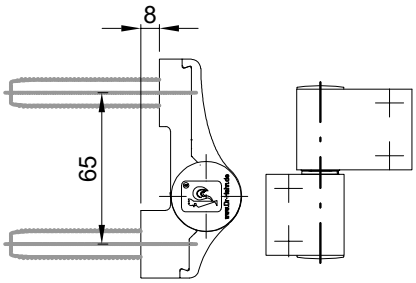
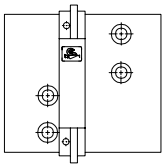
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
370.070.01 03		- Maska s klapnom za drenažni otvor - Oznaka proizvođača Master: A2145R9010 - bijela, A2145 - crna - Boje: 01- bijela; 03- crna - Drainage slot mask with a flap - Manufacturer code Master: A2145R9010 - white A2145 - black - Color: 01- white; 03- black	PVC	
373.003.01 02 03		- Maska za drenažni otvor - Boje: 01- bijela; 02-siva; 03- crna (Stara oznaka: 2328) - Drainage slot mask - Color: 01- white; 02- gray; 03- black (Former code: 2328)	PVC	
373.002		- Umetak za profil okapnice Z40-657 - End insert for drip cap profile Z40-657	PVC	Par Pair
373.055		- Umetak za profil okapnice F-1567 - End insert for drip cap profile F-1567	PVC	Par Pair
373.079		- Umetak za profil okapnice F-1842 - End insert for drip cap profile F-1842	Tvrda guma Hard rubber	Par Pair
363.063		- Umetak za profil kombatute FT-1230 - otvaranje unutra - End insert for flying mullion profile FT-1230- inward opening	Tvrda guma Hard rubber	Par Pair

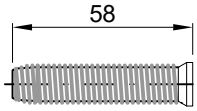
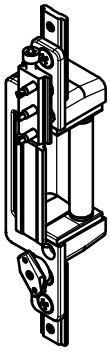
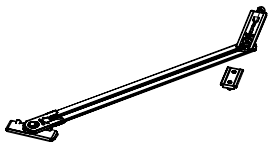
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
363.064		- Umetak za profil praga FT-1231 - End insert for threshold profile FT-1231	PVC	Par Pair
370.000 **370.001** **370.002** **377.017**		- Podmetači za staklo - Glazing packers 3 mm 370.000 (L x H=18 x 27 mm) 5 mm 370.001 (L x H=18 x 27 mm) 7 mm 370.002 (L x H=18 x 27 mm) 4 mm 377.017 (L x H=50x100 mm) Oznaka proizvođača GU: 9-37476-54-0-0 Manufacturer code GU: 9-37476-54-0-0	PVC	
374.101		- PVC podmetač za staklo - Za profile krila - PVC glazing packers - For sash profiles	PVC	
374.102		- PVC podmetač za staklo - Za profile rama i prečka - PVC glazing packers - For frame and window crossbar profiles	PVC	
375.048		- Kopča za profil - Clamp for profile	PVC	
370.023		- Čep za maskiranje rupe Ø10 mm - Cap for drilled hole Ø10 mm	PVC	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
370.024		- Čep za maskiranje rupe Ø12 mm - Cap for drilled hole Ø12 mm	PVC	
373.054		- Gornji čep okomice francuskog balkona - Upper cover cap of french balcony profile	PVC	

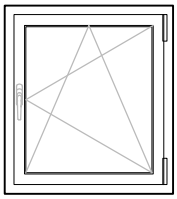
Mehanizmi
Mechanisms

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
111.001.01 **02** **03**		- Dvodijelna šarka EURO ŽLIJEB - Stara oznaka: E-100 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge EURO GROOVE - Former code: E-100 - Color: 01- white; 02 - gray; 03 - black		
111.002.01 **02** **03**		- Trodijelna šarka *EURO ŽLIJEB* - Stara oznaka: E-120 - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge *EURO GROOVE* - Former code: E-120 - Color: 01- white; 02 - gray; 03 - black		
114.001.01 **02** **03**		- Dvodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2006.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2006.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
114.004.01 **02** **03**		- Dvodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2024.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2024.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
114.005.01 **02** **03**		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2129.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2129.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
114.006.01 **02** **03**		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2124.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2124.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		

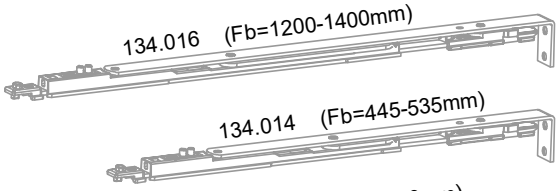
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
113.009.01 02 03		- Dvodijelna šarka OSNO 68 (Max3D 68) - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge axial distance 68 (Max3D 68) - Color: 01- white; 02 - gray;03 - black	Al. Čelik Steel	
113.016.01 02 03		- Podložna pločica d=8mm - Oznaka proizvođača ALU-B: 02108 - Boje: 01- bijela; 02 - siva;03 - crna - Washer plate d=8mm - Manufacturer code ALU-B: 02108 - Color: 01- white; 02 - gray;03 - black	Al.	
113.012		- Set za TERMO 65 - Set za dvodijelnu šarku (Max3D xx) - Set for TERMO 65 - Set for two-part hinge (Max3D xx)		
113.013		- Set za TERMO 50 - Set za dvodijelnu šarku (Max3D xx) - Set for TERMO 50 - Set for two-part hinge (Max3D xx)		
112.021.01 .10		- Dvodijelna šarka OSNO 65 s preklopom 8 (Türband 4 AT - bez anker vijaka) - Oznaka proizvođača Dr. Hahn: M901G1420 - bijela, bijeli čepovi: M90111420 - EV1, crni čepovi - Boje: 01-bijela, bijeli PVC dijelovi, 10-EV1, crni PVC dijelovi - Two-piece hinge axial distance 65 with overlap 8 (Türband 4 AT - without anchor screws) - Manufacturer code Dr. Hahn: M901G1420 - white, white PVC parts M90111420 - EV1, black PVC parts - Color: 01-white, white PVC parts, 10-EV1, black PVC parts	Al.	
112.022		- Šablon za dvodijelnu šarku OSNO 65 s preklopom 8 (Türband 4 AT) - Oznaka proizvođača Dr. Hahn: T101A0008 - Drilling jig for two-piece hinge axial distance 65 - with overlap 8 (Türband 4 AT) - Manufacturer code Dr. Hahn: T101A0008		

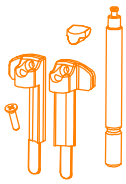
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
112.023		- Anker vijak 58 mm (Türband 4 AT - 4 vijka u vrećici) - Oznaka proizvođača Dr. Hahn: VP02A0016 - Anchor screw 58 mm (Türband 4 AT - 4 screws) - Manufacturer code Dr. Hahn: VP02A0016	Čelik Steel	
115.019		- Skrivena šarka za vrata - otvaranje unutra (profili s eurožlijebom) - Oznaka proizvođača Giesse: 00725 - Concealed hinge for door - inward opening (profiles with euro-groove) - Manufacturer code Giesse: 00725		
135.023		- Graničnik otvaranja krila, za L>500, od 25°do 120° - Oznaka proizvođača Giesse: 02030000 - Sash opening limiter arm, for L>500, from 25° to 120° - Manufacturer code Giesse: 02030000		

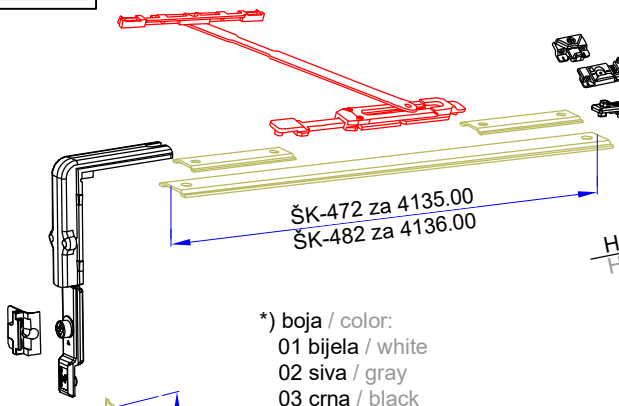
OTKLOPNO-ZAOKRETNI MEHANIZAM - STUBLINA (art.4135.00)
TILT-TURN MECHANISM - STUBLINA (art.4135.00)

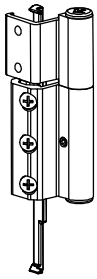


Nosivost max. 100 Kg / 130 Kg
Load max. 100 Kg / 130 Kg
Fb= Širina krila /Sash width

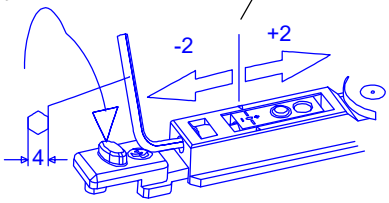




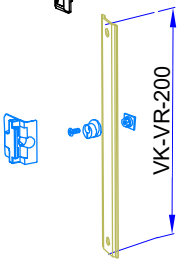




Horizontalno podešavanje krila
Horizontal sash adjusment



*) boja / color:
01 bijela / white
02 siva / gray
03 crna / black

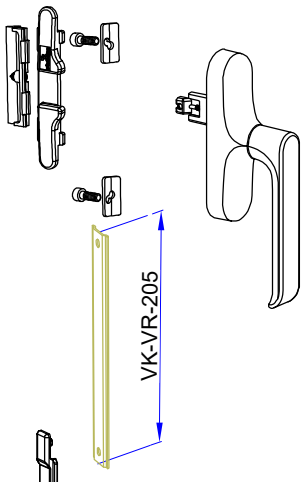


Osnovni okov:
Basic hardware:

134.026 — osnovni set: pogonski mehanizam sa ravnom ručkom, škarama (134.015) i šarkama. *)
basic set: drive gear with flat handle, friction stays (134.015) and hinges

134.014
134.016 — škare 134.014 / 134.016 **)
friction stays 134.014 / 134.016

**) Napomena / Remark:
- Škare 134.015 (za širinu krila Fb=535-1200 mm) se nalaze u osnovnom setu 134.026.
Škare 134.014 (Fb=445-535 mm) su u setu 134.030, a škare 134.016 (Fb=1200-1400 mm) su u setu 134.031.
- Friction stays 134.015 (Fb=535-1200 mm) are in the basic set 134.026.
Friction stays 134.014 (Fb=445-535 mm) are in the set 134.030 and friction stays 134.016 (Fb=1200-1400 mm) are in the set 134.031.



Dodatni okov:
Additional hardware:

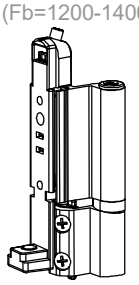
134.002 — dodatni set ključanja po širini i visini
additional set for horizontal and vertical locking

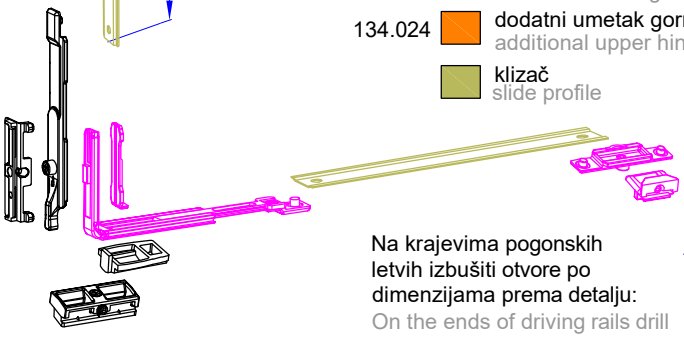
134.003 — dodatne škare za širinu krila 1200-1600 mm
additional friction stays for sash width 1200-1600 mm

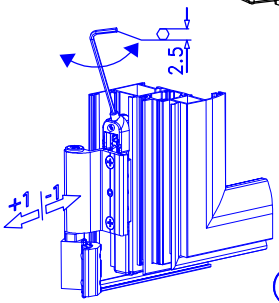
134.004
134.005 — dodatno ključanje
additional locking

134.024 — dodatni umetak gornje šarke za nosivost do 130 kg
additional upper hinge insert for weight load up to 130 kg

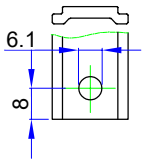
klizač
slide profile



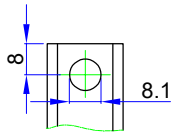


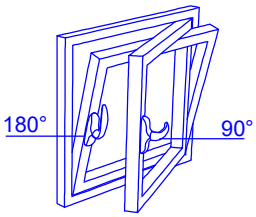


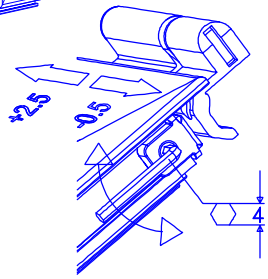
Na krajevima pogonskih letvi izbušiti otvore po dimenzijama prema detalju:
On the ends of driving rails drill holes according to the detail dimensions:

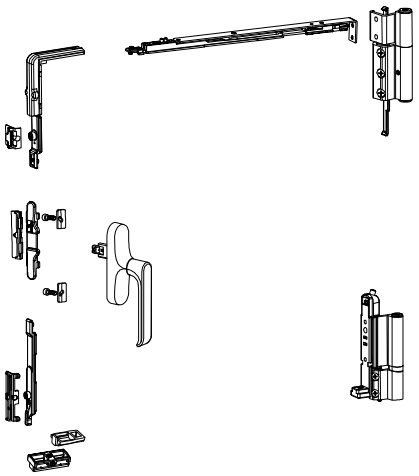
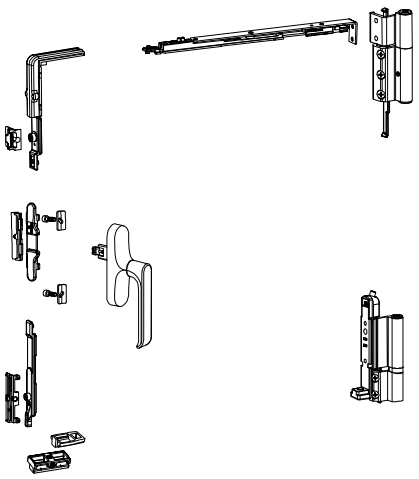
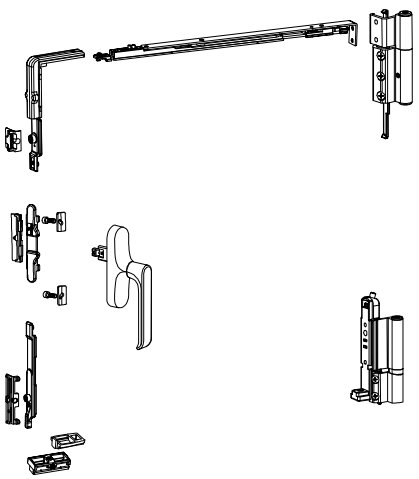


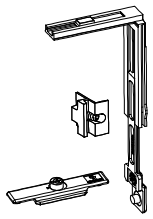
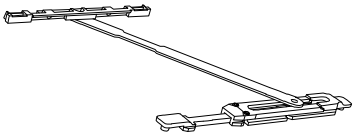
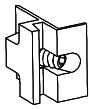
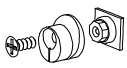
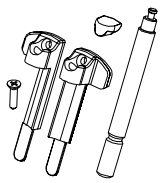
Ako se koriste adapteri na krajevima pogonskih letvi izbušiti otvore po dimenzijama prema detalju:
If the adaptors are used, on the ends of driving rails drill holes according to the detail dimensions:



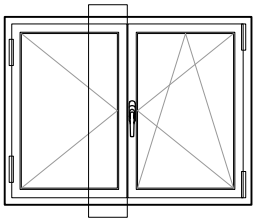


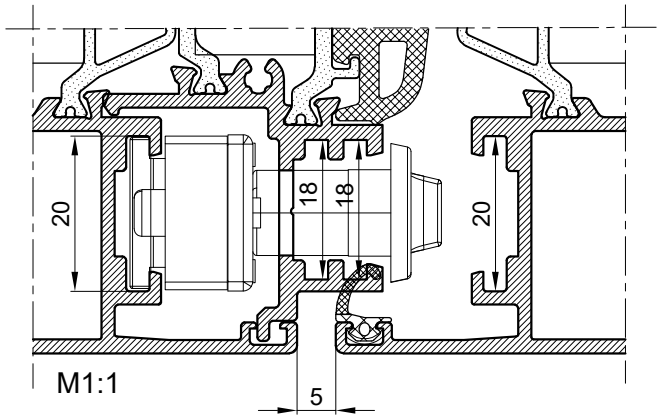


Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
134.026.01 **02** **03**		- Osnovni set: Otklopno-zaokretni mehanizam - Oznaka proizvođača Stublina: **4135.00.310** - bijela **4135.00.315** - siva **4135.00.313** - crna - Boje: 01- bijela; 02 - siva; 03 - crna - Škare (134.015) za širinu krila **535-1200** mm (**ručka ravna**; donja šarka ima podešavanje u dvije osi) - Basic set: Tilt and turn mechanism - Manufacturer code Stublina: **4135.00.310** - white **4135.00.315** - gray **4135.00.313** - black - Color: 01- white; 02 - gray; 03 - black - Friction stays (134.015) for sash width from **535 to 1200** mm. (**flat handle**; lower hinge has two-axial adjustment)		
134.030.01 **02** **03**		- Osnovni set: Otklopno-zaokretni mehanizam - Oznaka proizvođača Stublina: **4136.00.310** - bijela **4136.00.315** - siva **4136.00.313** - crna - Boje: 01- bijela; 02 - siva; 03 - crna - Škare (134.014) za širinu krila **445-535** mm (**ručka ravna**; donja šarka ima podešavanje u dvije osi) - Tilt and turn mechanism - Manufacturer code Stublina: **4136.00.310** - white **4136.00.315** - gray **4136.00.313** - black - Color: 01- white; 02 - gray; 03 - black - Friction stays (134.014) for sash width from **445 to 535** mm. (**flat handle**; lower hinge has two-axial adjustment)		
134.031.01 **02** **03**		- Osnovni set: Otklopno-zaokretni mehanizam - Oznaka proizvođača Stublina: **4137.00.310** - bijela **4137.00.315** - siva **4137.00.313** - crna - Boje: 01- bijela; 02 - siva; 03 - crna - Škare (134.016) za širinu krila **1200-1400** mm (**ručka ravna**; donja šarka ima podešavanje u dvije osi) - Tilt and turn mechanism - Manufacturer code Stublina: **4137.00.310** - white **4137.00.315** - gray **4137.00.313** - black - Color: 01- white; 02 - gray; 03 - black - Friction stays (134.016) for sash width from **1200 to 1400** mm. (**flat handle**; lower hinge has two-axial adjustment)		

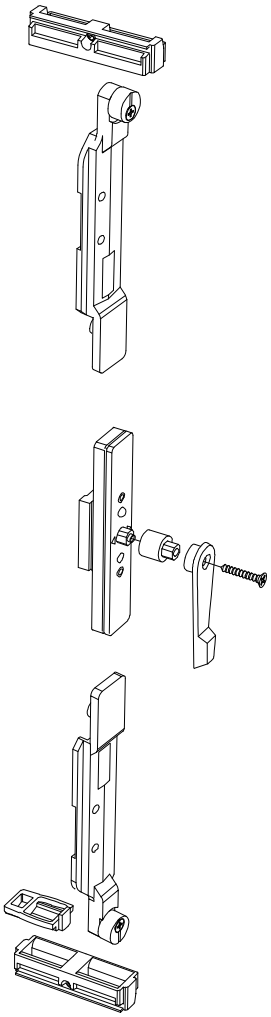
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
134.002		- Dodatni set ključanja po širini i visini - Oznaka proizvođača Stublina: 4010.40 - Additional set for horizontal and vertical locking - Manufacturer code Stublina: 4010.40	AlSi Zamak	
134.003		- Dodatne škare za širinu krila 1200-1600 mm - Oznaka proizvođača Stublina: 4010.50 - Additional friction stays for sash width 1200 - 1600 mm - Manufacturer code Stublina: 4010.50		
134.004		- Dodatno ključanje - prihvatnik zapinjača - Oznaka proizvođača Stublina: 4010.03 - Additional locking - striker - Manufacturer code Stublina: 4010.03		
134.005		- Dodatno ključanje - zapinjač - Oznaka proizvođača Stublina: 4010.27 - Additional locking - adjustable fastening pawl - Manufacturer code Stublina: 4010.27		
134.024		- Dodatni umetak gornje šarke za nosivost do 130 kg - Oznaka proizvođača Stublina: 4018.30.50U - Additional upper hinge insert for weight load up to 130 kg - Manufacturer code Stublina: 4018.30.50U		

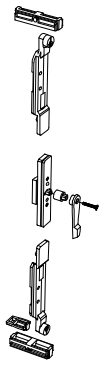
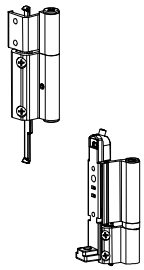
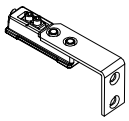
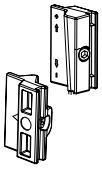
OKOV ZA FIKSIRANJE POMOĆNOG KRILA - STUBLINA
LOCKING MECHANISM FOR AUXILIARY SASH - STUBLINA



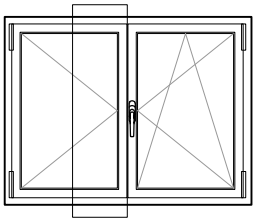


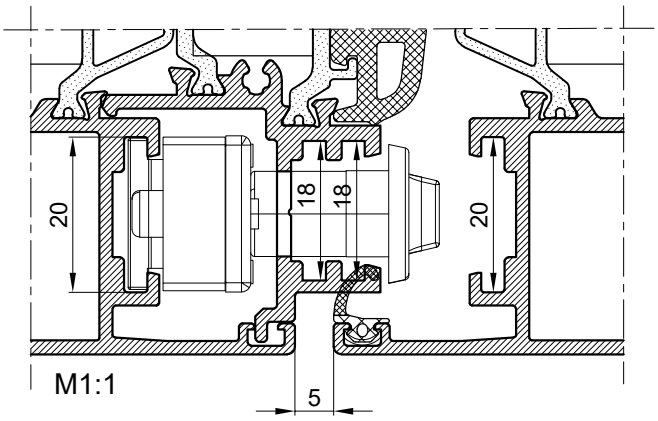
- **134.017** Okov za fiksiranje pomoćnog krila u dvije točke (montiranje okova u krilo)
- Oznaka proizvođača Stublina: 4005.00
- **134.017** Locking mechanism for auxiliary sash in two points (mechanism in the sash)
- Manufacturer code Stublina: 4005.00



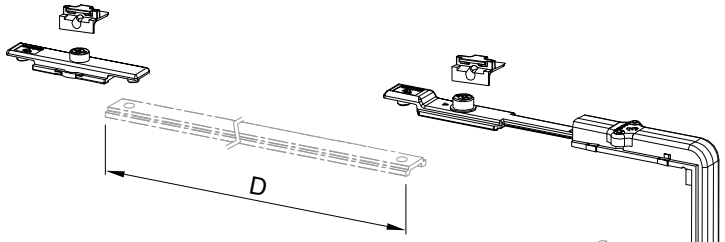
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
134.017		-Okov za fiksiranje pomoćnog krila u dvije točke (montiranje okova u krilo) - Oznaka proizvođača Stublina: 4005.00 -Locking mechanism for auxiliary sash in two points (mechanism in the sash) - Manufacturer code Stublina: 4005.00		
134.037.01 **02** **03**		- Šarke nosivosti do 100 kg - Donja šarka ima podešavanje u dvije osi - Oznaka proizvođača Stublina: 4035.30.310 -bijela 4035.30.315 -siva 4035.30.313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Hinges weight load up to 100 kg - Lower hinge has two-axial adjusment - Manufacturer code Stublina: 4035.30.310 - white 4035.30.315 - gray 4035.30.313 - black - Color: 01- white; 02 - gray;03 - black		
134.038		- Dodatni element za šarke 4035.30.xxx - (samo za gornju šarku) - Oznaka proizvođača Stublina: 4047.00 - Additional element for hinges 4035.30.xxx - (only for the top hinge) - Manufacturer code Stublina: 4047.00		
134.023		- Dodatno (pasivno) ključanje - Oznaka proizvođača Stublina: 4045.00 - Additional (passive) locking - Manufacturer code Stublina: 4045.00		

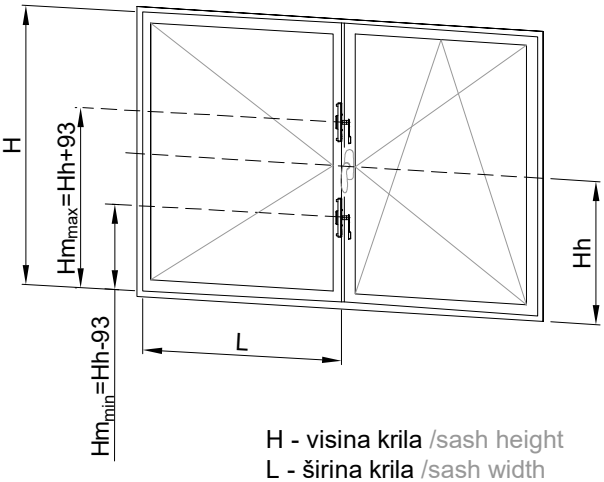
OKOV ZA FIKSIRANJE POMOĆNOG KRILA - STUBLINA
LOCKING MECHANISM FOR AUXILIARY SASH - STUBLINA

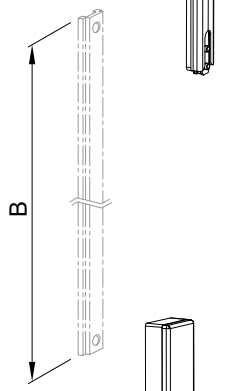




- **134.036** Okov za fiksiranje pomoćnog krila u više točaka (montiranje okova u krilo)
- Oznaka proizvođača Stublina: 4005.40
- **134.036** Locking mechanism for auxiliary sash in multiple points (mechanism in the sash)
- Manufacturer code Stublina: 4005.40

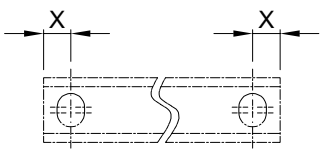


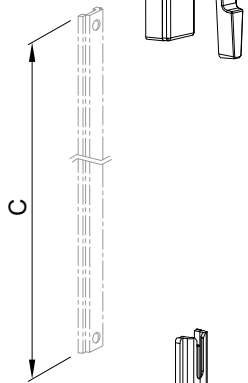




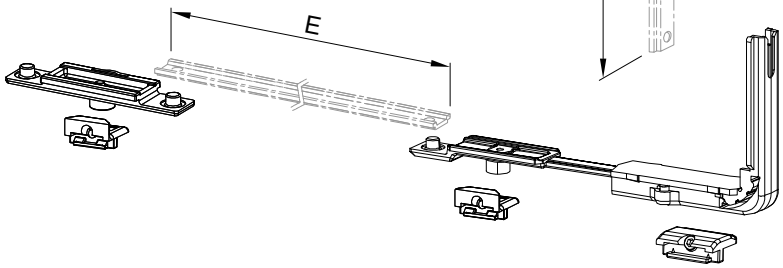
H - visina krila /sash height
L - širina krila /sash width
Hm - položaj pogonskog mehanizma
position of the drive gear
Hh - položaj pogonske ručke
position of the drive handle

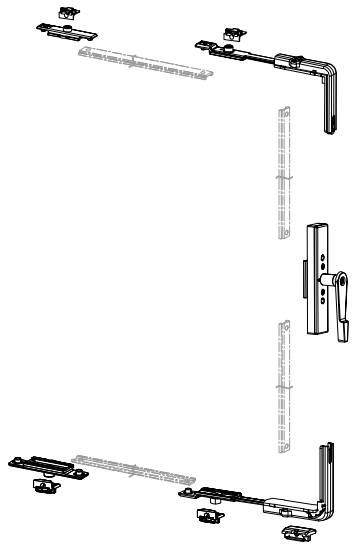
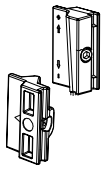
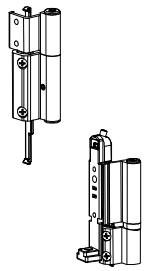
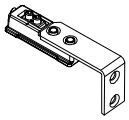
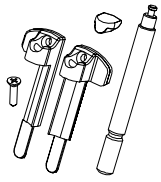
X
8
10



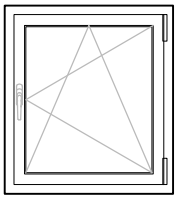


C=Hm-110+2X
B=H-Hm-110+2X
D=L/2-192+2X
E=L/2-192+2X

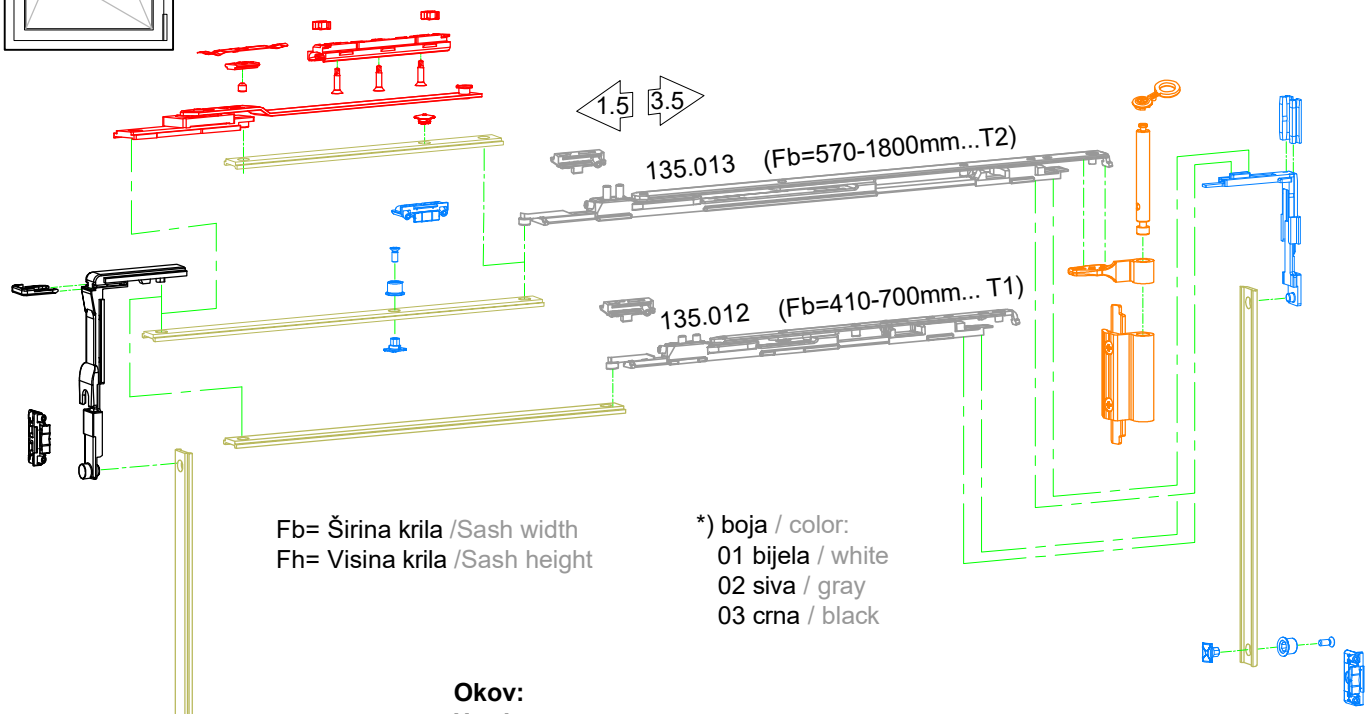


FEAL Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
134.036		- Okov za fiksiranje pomoćnog krila u više točaka (montiranje okova u krilo) - Oznaka proizvođača Stublina: 4005.40 - Locking mechanism for auxiliary sash in multiple points (mechanism in the sash) - Manufacturer code Stublina: 4005.40		
134.023		- Dodatno (pasivno) ključanje - Oznaka proizvođača Stublina: 4045.00 - Additional (passive) locking - Manufacturer code Stublina: 4045.00		
134.037.01 **02** **03** **134.038**	 	- Šarke nosivosti do 100 kg - Donja šarka ima podešavanje u dvije osi - Oznaka proizvođača Stublina: 4035.30.310 -bijela 4035.30.315 -siva 4035.30.313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Hinges weight load up to 100 kg - Lower hinge has two-axial adjusment - Manufacturer code Stublina: 4035.30.310 - white 4035.30.315 - gray 4035.30.313 - black - Color: 01- white; 02 - gray;03 - black - Dodatni element za šarke 4035.30.xxx - (samo za gornju šarku) - Oznaka proizvođača Stublina: 4047.00 - Additional element for hinges 4035.30.xxx - (only for the top hinge) - Manufacturer code Stublina: 4047.00		
134.024		- Dodatni umetak gornje šarke za nosivost do 130 kg - Oznaka proizvođača Stublina: 4018.30.50U - Additional upper hinge insert for weight load up to 130 kg - Manufacturer code Stublina: 4018.30.50U		

OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE FUTURA 3D (130 micro) STANDARD
TILT-TURN MECHANISM - GIESSE FUTURA 3D (130 micro) STANDARD



Nosivost max. 140 Kg (FUTURA 3D 130 micro)
Load max. 140 Kg (FUTURA 3D 130 micro)

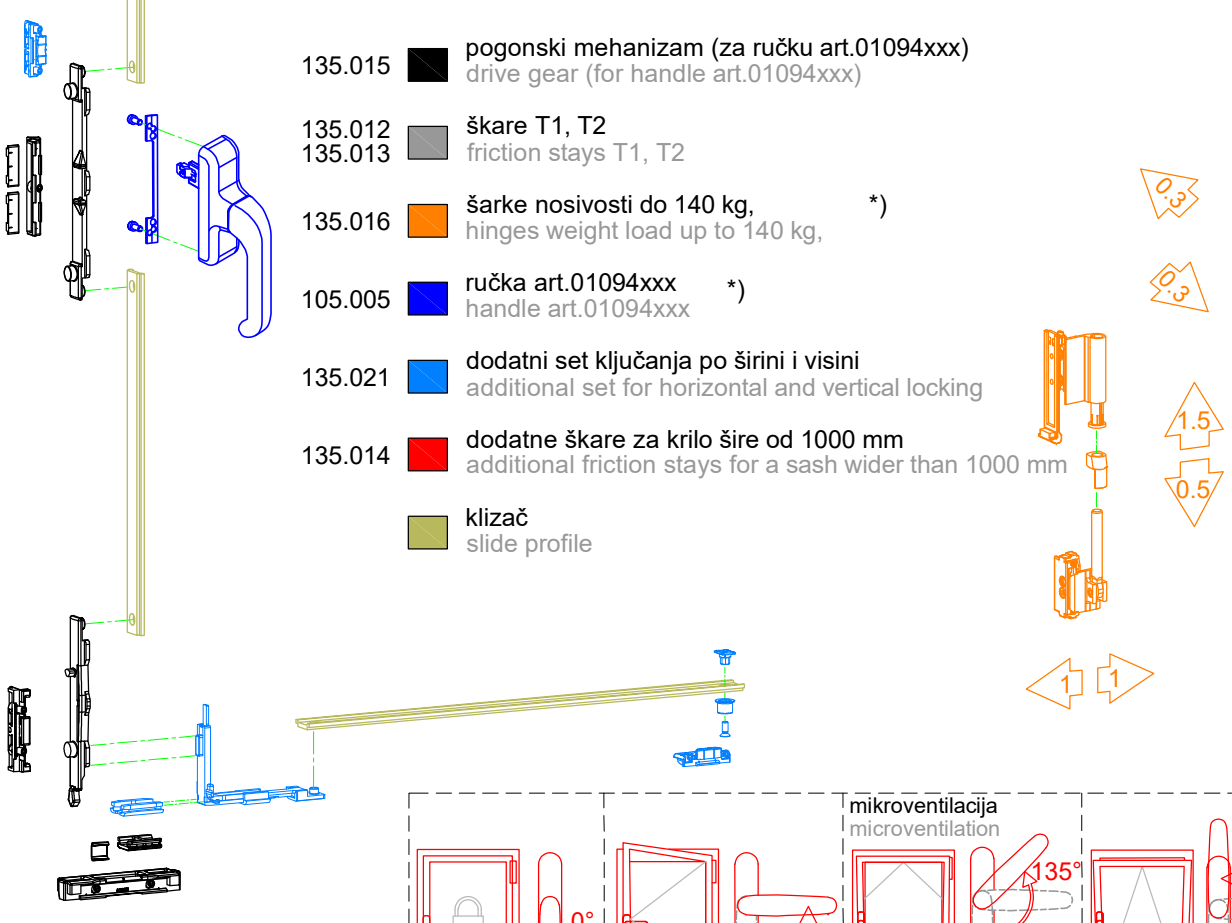


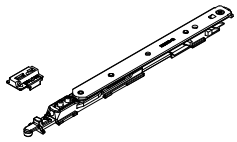
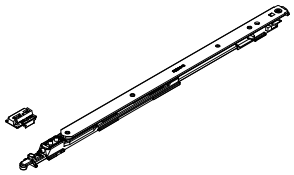
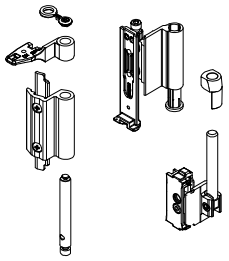
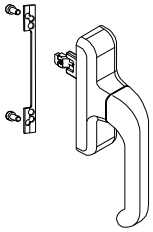
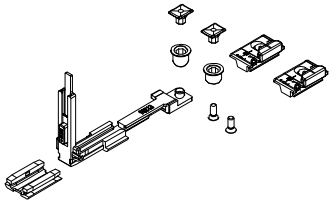
Fb= Širina krila /Sash width
Fh= Visina krila /Sash height

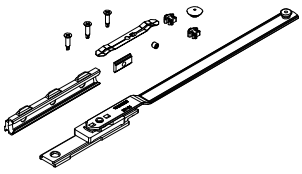
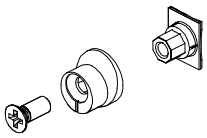
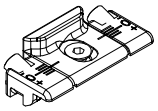
*) boja / color:
01 bijela / white
02 siva / gray
03 crna / black

Okov:
Hardware:

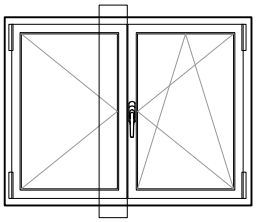
135.015	pogonski mehanizam (za ručku art.01094xxx) drive gear (for handle art.01094xxx)	
135.012 135.013	škare T1, T2 friction stays T1, T2	
135.016	šarke nosivosti do 140 kg, hinges weight load up to 140 kg,	*)
105.005	ručka art.01094xxx handle art.01094xxx	*)
135.021	dodatni set ključanja po širini i visini additional set for horizontal and vertical locking	
135.014	dodatne škare za krilo šire od 1000 mm additional friction stays for a sash wider than 1000 mm	
	klizač slide profile	

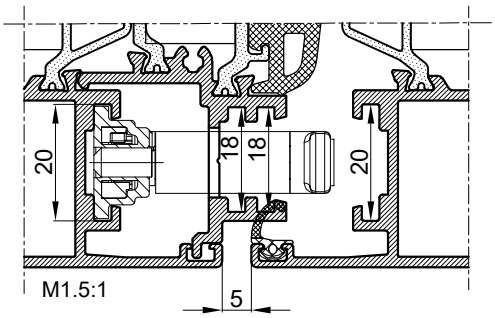


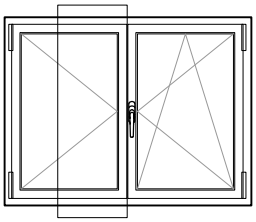
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.015		- Pogonski mehanizam za FUTURA 3D 130 micro mehanizam (...ručka 01094xxx) - Oznaka proizvođača Giesse: 04704000 - Drive gear for FUTURA 3D 130 micro mechanism (... handle 01094xxx) - Manufacturer code Giesse: 04704000		
135.012		- Škare T1 za širinu krila 410 - 700 mm - Oznaka proizvođača Giesse: 04284000 - Friction stays T1 for sash width 410 - 700 mm - Manufacturer code Giesse: 04284000		
135.013		- Škare T2 za širinu krila 570 - 1800 mm - Oznaka proizvođača Giesse: 04285000 - Friction stays T2 for sash width 570 - 1800 mm - Manufacturer code Giesse: 04285000		
135.016.01 **02** **03**		- Šarke nosivosti do 140 kg - Oznaka proizvođača Giesse: 04711410 - bijela 04711376 - siva 04711500 - crna - Boje: 01- bijela; 02 - siva;03 - crna - Hinges weight load up to 140 kg - Manufacturer code Giesse: 04711410 - white 04711376 - gray 04711500 - black - Color: 01- white; 02 - gray;03 - black		
105.005.01 **02** **03**		- Ručka; (LA 86/104mm), FUTURA 3D (130 micro) - Oznaka proizvođača Giesse: 01094410 -bijela 01094376 -siva 01094500 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Handle; (LA 86/104mm), FUTURA 3D (130 micro) - Manufacturer code Giesse: 01094410 -white 01094376 -gray 01094500 -black - Colors: 01- white; 02 - gray; 03 - black		
135.021		- Dodatni set ključanja po širini i visini za krilo dimenzija L>1000 mm i H>1200mm - Oznaka proizvođača Giesse: 04770000 - Additional set for horizontal and vertical locking for sash dimensions L>1000 mm and H>1200 mm - Manufacturer code Giesse: 04770000		

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.014		- Dodatne škare za krilo šire od 1000 mm - Oznaka proizvođača Giesse: 04301000 - Additional fricton stays for a sash wider than 1000 mm - Manufacturer code Giesse: 04301000		
135.029		- Dodatno ključanje - zapinjač - Oznaka proizvođača Giesse: 04030000 - Additional locking - adjustable fastening pawl - Manufacturer code Giesse: 04030000		
143.042		- Dodatno ključanje - prihvatnik zapinjača - Oznaka proizvođača Giesse: 01347000 - Additional locking - striker - Manufacturer code Giesse: 01347000		

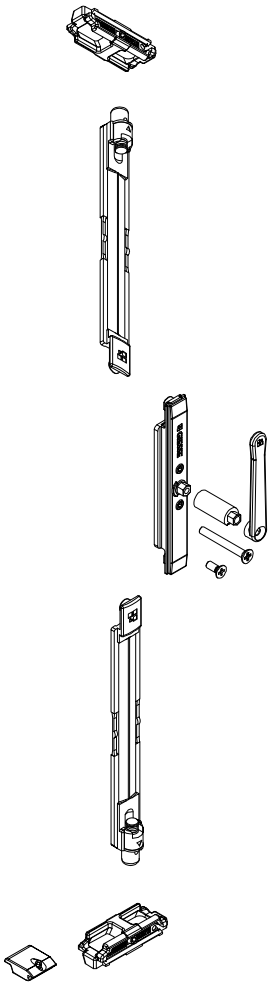
OKOV ZA FIKSIRANJE POMOĆNOG KRILA - GIESSE
LOCKING MECHANISM FOR AUXILIARY SASH - GIESSE



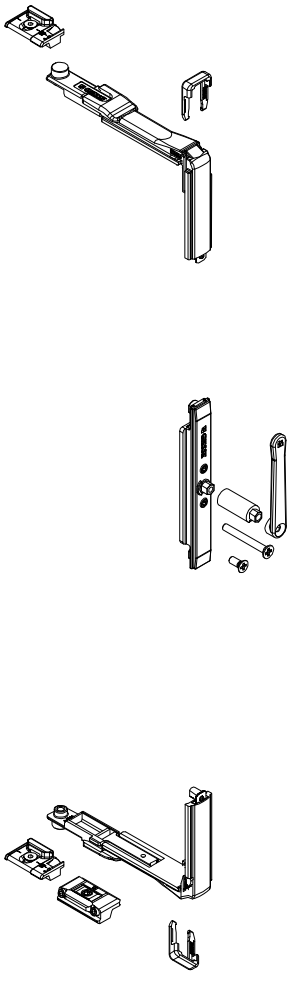


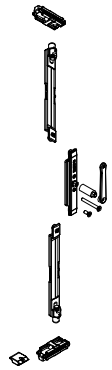
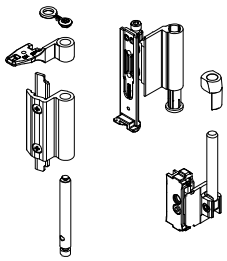
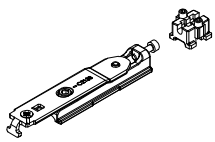
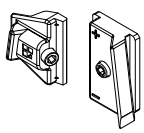


- **143.047** Okov za fiksiranje pomoćnog krila u dvije točke (montiranje okova u krilo)
- Oznaka proizvođača Giesse: 02178000
- **143.047** Locking mechanism for auxiliary sash in two points (mechanism in the sash)
- Manufacturer code Giesse: 02178000

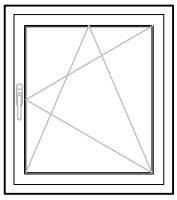


- **143.048** Okov za fiksiranje pomoćnog krila u više točaka; (montiranje okova u krilo)
- Oznaka proizvođača Giesse: 02179000
- **143.048** Locking mechanism for auxiliary sash - multiple points ; (mechanism in the sash)
- Manufacturer code Giesse: 02179000

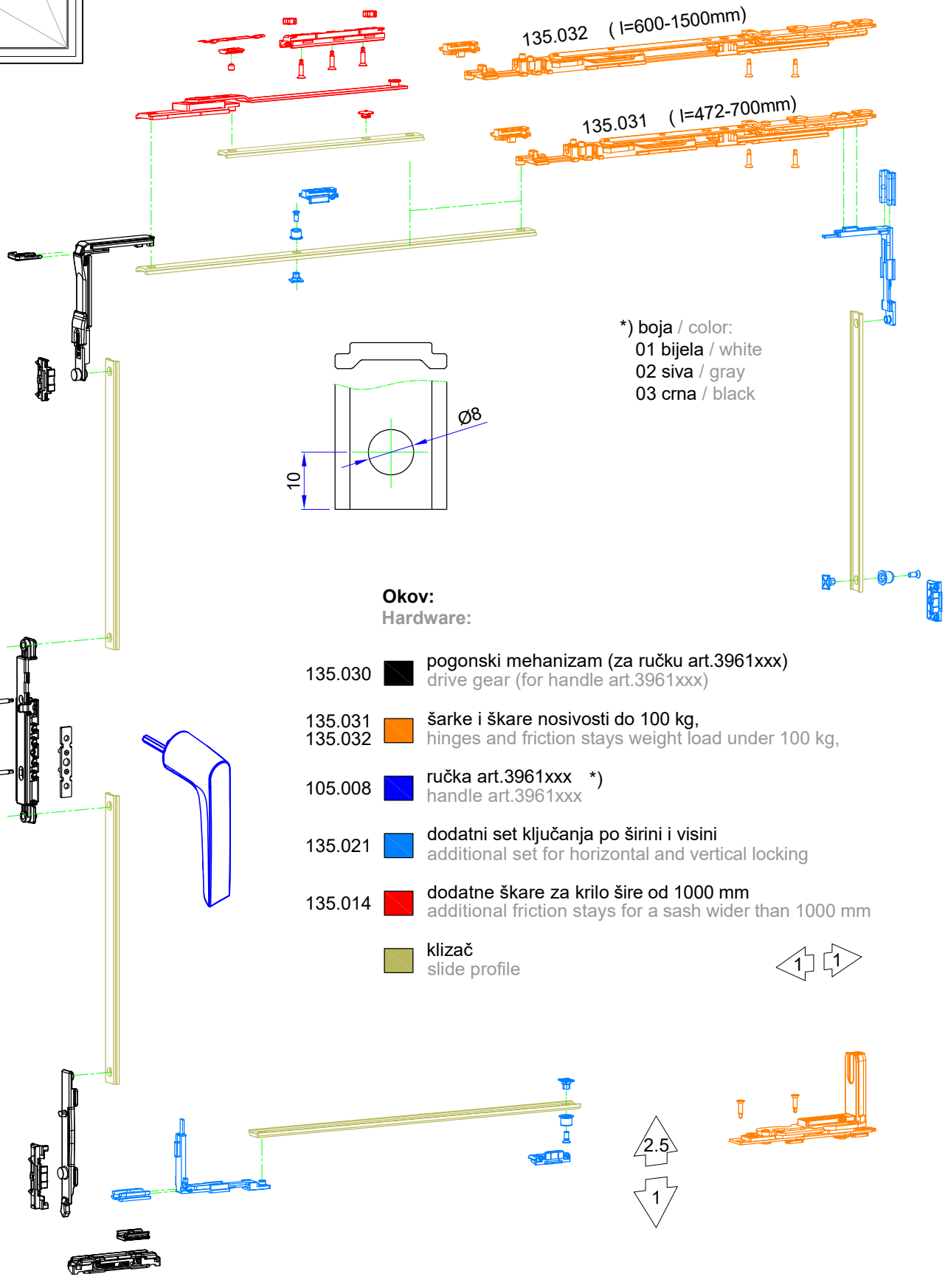


Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
143.047		- Okov za fiksiranje pomoćnog krila u dvije točke (montiranje okova u krilo) - Oznaka proizvođača Giesse: 02178000 - Locking mechanism for auxiliary sash in two points (mechanism in the sash) - Manufacturer code Giesse: 02178000		
143.048		- Okov za fiksiranje pomoćnog krila u više točaka (montiranje okova u krilo) - Oznaka proizvođača Giesse: 02179000 - Locking mechanism for auxiliary sash in two points (mechanism in the sash) - Manufacturer code Giesse: 02179000		
135.016.01 **02** **03**		- Šarke nosivosti do 140 kg - Oznaka proizvođača Giesse: 04711410 - bijela 04711376 - siva 04711500 - crna - Boje: 01- bijela; 02 - siva;03 - crna - Hinges weight load up to 140 kg - Manufacturer code Giesse: 04711410 - white 04711376 - gray 04711500 - black - Color: 01- white; 02 - gray;03 - black		
135.041		- Dodatni element za šarke 04711xxx (samo za gornju šarku) - Oznaka proizvođača Giesse: 04728000 - Additional element for hinges 04711xxx (only for the top hinge) - Manufacturer code Giesse: 04728000		
143.045		- Dodatno (pasivno) ključanje - Oznaka proizvođača Giesse: 01350K - Additional (passive) locking - Manufacturer code Giesse: 01350K		

SKRIVENI OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE CHIC 3D 100 STANDARD
CONCEALED TILT-TURN MECHANISM - GIESSE CHIC 3D 100 STANDARD



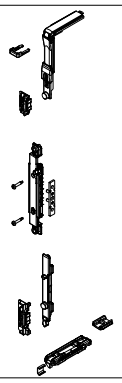
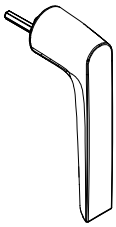
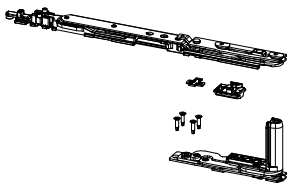
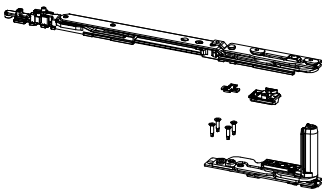
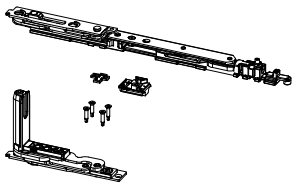
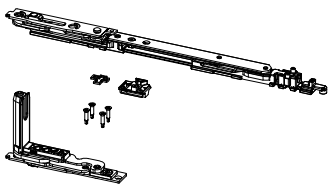
Nosivost max. 100 Kg (CHIC 3D 100) / 150 Kg (CHIC 3D 150)
Load max. 100 Kg (CHIC 3D 100) / 150 Kg (CHIC 3D 150)

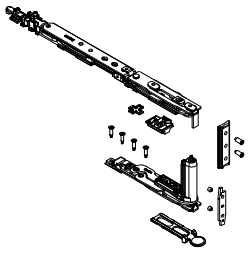
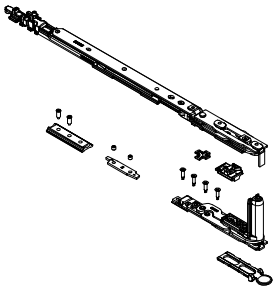
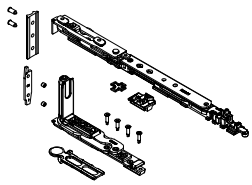
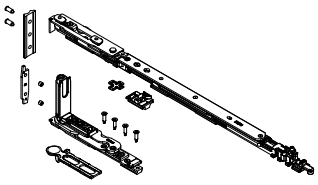
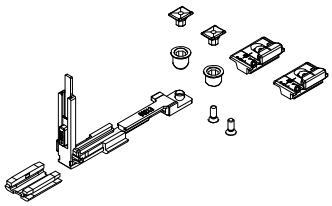
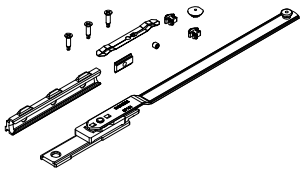


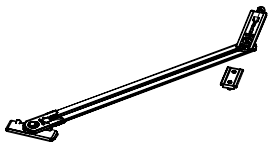
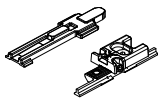
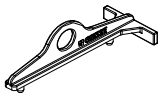
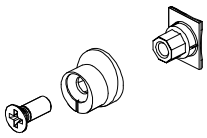
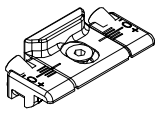
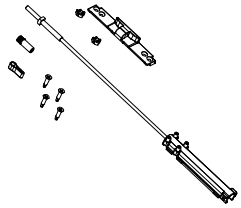
*) boja / color:
01 bijela / white
02 siva / gray
03 crna / black

Okov:
Hardware:

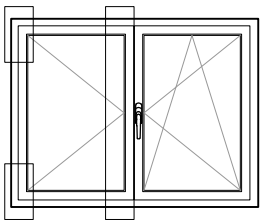
135.030		pogonski mehanizam (za ručku art.3961xxx) drive gear (for handle art.3961xxx)
135.031 135.032		šarke i škare nosivosti do 100 kg, hinges and friction stays weight load under 100 kg,
105.008		ručka art.3961xxx *) handle art.3961xxx
135.021		dodatni set ključanja po širini i visini additional set for horizontal and vertical locking
135.014		dodatne škare za krilo šire od 1000 mm additional friction stays for a sash wider than 1000 mm
		klizač slide profile

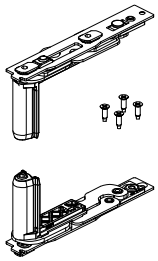
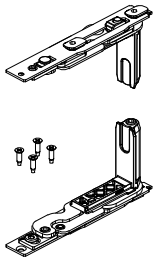
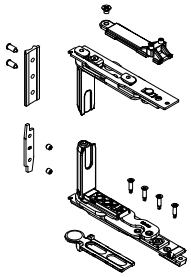
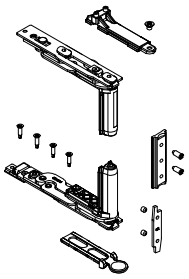
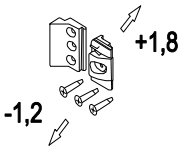
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.030		- Pogonski mehanizam za Ultra mehanizam (...ručka 03961xxx) - Oznaka proizvođača Giesse: 0395200001 - Drive gear for Ultra mechanism (... handle 03961xxx) - Manufacturer code Giesse: 0395200001		
105.008.01 **02** **03**		- Ručka bez rozete, za Ultra mehanizam - Oznaka proizvođača Giesse: 03961410 -bijela 03961376 -siva 03961500 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Handle without rosette,for Ultra mechanism - Manufacturer code Giesse: 03961410 -white 03961376 -gray 03961500 -black - Colors: 01- white; 02 - gray; 03 - black		
135.031		- Šarka+škara T1, **desna** za krilo širine 472-700 mm - Oznaka proizvođača Giesse: 043550001 - Otvaranje krila do 180° - Za nosivost do **100kg** - Hinge+friction stays T1,right for sash width 472-700 mm - Manufacturer code Giesse: 043550001 - Sash opening up 180° - For weight load up to **100kg**		
135.032		- Šarka+škara T2, **desna** za krilo širine 600-1500 mm - Oznaka proizvođača Giesse: 043560001 - Otvaranje krila do 180° - Za nosivost do **100kg** - Hinge+friction stays T2, right for sash width 600-1500mm - Manufacturer code Giesse: 043560001 - Sash opening up 180° - For weight load up to **100kg**		
135.033		- Šarka+škara T1, **lijeva** za krilo širine 472-700 mm - Oznaka proizvođača Giesse: 043550002 - Otvaranje krila do 180° - Za nosivost do **100kg** - Hinge+friction stays T1, left for sash width 472-700 mm - Manufacturer code Giesse: 043550002 - Sash opening up 180° - For weight load up to **100kg**		
135.034		- Šarka+škara T2, **lijeva** za krilo širine 600-1500 mm - Oznaka proizvođača Giesse: 043560002 - Otvaranje krila do 180° - Za nosivost do **100kg** - Hinge+friction stays T2, left for sash width 600-1500 mm - Manufacturer code Giesse: 043560002 - Sash opening up 180° - For weight load up to **100kg**		

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.043		- Šarka+škara T1, **desna** za krilo širine 472-700 mm - Oznaka proizvođača Giesse: 0436500011 - Otvaranje krila do 180° - Za nosivost do **150 kg** - Hinge+friction stays T1,right for sash width 472-700 mm - Manufacturer code Giesse: 0436500011 - Sash opening up 180° - For weight load up to **150 kg**		
135.044		- Šarka+škara T2, **desna** za krilo širine 600-1600 mm - Oznaka proizvođača Giesse: 0436600011 - Otvaranje krila do 180° - Za nosivost do **150 kg** - Hinge+friction stays T2, right for sash width 600-1600 mm - Manufacturer code Giesse: 0436600011 - Sash opening up 180° - For weight load up to **150 kg**		
135.045		- Šarka+škara T1, **lijeva** za krilo širine 472-700 mm - Oznaka proizvođača Giesse: 0436500021 - Otvaranje krila do 180° - Za nosivost do **150 kg** - Hinge+friction stays T1, left for sash width 472-700 mm - Manufacturer code Giesse: 0436500021 - Sash opening up 180° - For weight load up to **150 kg**		
135.046		- Šarka+škara T2, **lijeva** za krilo širine 600-1600 mm - Oznaka proizvođača Giesse: 0436600021 - Otvaranje krila do 180° - Za nosivost do **150 kg** - Hinge+friction stays T2, left for sash width 600-1600 mm - Manufacturer code Giesse: 0436600021 - Sash opening up 180° - For weight load up to **150 kg**		
135.021		- Dodatni set ključanja po širini i visini za krilo dimenzija L>1000 mm i H>1200 mm - Oznaka proizvođača Giesse: 04770000 - Additional set for horizontal and vertical locking for sash dimensions L>1000 mm and H>1200 mm - Manufacturer code Giesse: 04770000		
135.014		- Dodatne škare za krilo šire od 1000 mm - Oznaka proizvođača Giesse: 04301000 - Additional fricton stays for a sash wider than 1000 mm - Manufacturer code Giesse: 04301000		

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.023		- Graničnik otvaranja krila, za L>500, od 25°do 120° - Oznaka proizvođača Giesse: 02030000 - Sash opening limiter arm, for L>500, from 25° to 120° - Manufacturer code Giesse: 02030000		
135.035		- Dodatni element za škaru, za dimenzije krila H<1200 mm, L>1000 mm - Oznaka proizvođača Giesse: 04357000 - Additional element for friction stays, for sash dimensions H<1200 mm, L>1000 mm - Manufacturer code Giesse: 04357000		
135.036		- Šablon za pozicioniranje škara - Oznaka proizvođača Giesse: 03535 - Template for positioning friction stays - Manufacturer code Giesse: 03535		
135.029		- Dodatno ključanje - zapinjač - Oznaka proizvođača Giesse: 04030000 - Additional locking - adjustable fastening pawl - Manufacturer code Giesse: 04030000		
143.042		- Dodatno ključanje - prihvatnik zapinjača - Oznaka proizvođača Giesse: 01347000 - Additional locking - striker - Manufacturer code Giesse: 01347000		
135.047		- Dodatni element za povećanje nosivosti krila do 200 kg - Oznaka proizvođača Giesse: 06250000 - Additional element for sash weight up to 200 kg - Manufacturer code Giesse: 06250000		

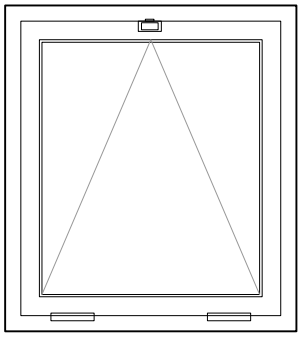
SKRIVENI OKOV ZA FIKSIRANJE POMOĆNOG KRILA - GIESSE CHIC 3D
CONCEALED LOCKING MECHANISM FOR AUXILIARY SASH - GIESSE CHIC 3D

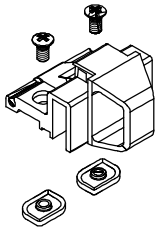
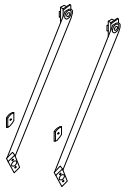
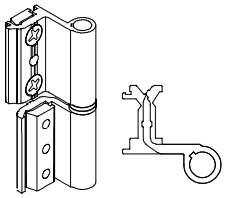


Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
115.011		- Skrivene šarke za pomoćno krilo - **lijeve** - Oznaka proizvođača Giesse: 043540002- Za nosivost do **100 kg** - Concealed hinges for the auxiliary sash - **left** - Manufacturer code Giesse: 043540002 - For weight load up to **100 kg**		
115.012		- Skrivene šarke za pomoćno krilo - **desne** - Oznaka proizvođača Giesse: 043540001 - Za nosivost do **100 kg** - Concealed hinges for the auxiliary sash - **right** - Manufacturer code Giesse: 043540001 - For weight load up to **100 kg**		
115.017		- Skrivene šarke za pomoćno krilo - **lijeve** - Oznaka proizvođača Giesse: 0436400021 - Za nosivost do **150 kg** - Concealed hinges for the auxiliary sash - **left** - Manufacturer code Giesse: 0436400021 - For weight load up to **150 kg**		
115.018		- Skrivene šarke za pomoćno krilo - **desne** - Oznaka proizvođača Giesse: 0436400011 - Za nosivost do **150 kg** - Concealed hinges for the auxiliary sash - **right** - Manufacturer code Giesse: 0436400011 - For weight load up to **150 kg**		
143.044		- Dodatno (pasivno) ključanje (za h=1200-1800 -1 kom, a preko 1800 -2 kom) - Oznaka proizvođača Giesse: 04358000 - Additional (passive) locking (for h=1200-1800 -1 pc, and over 1800 -2 pcs) - Manufacturer code Giesse: 04358000		

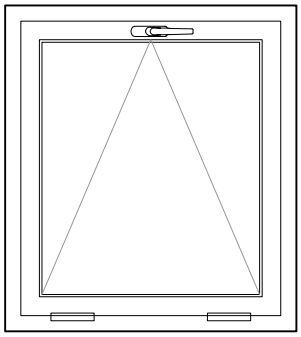
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
143.048		- Okov za fiksiranje pomoćnog krila u više točaka (montiranje okova u krilo) - Oznaka proizvođača Giesse: 02179000 - Locking mechanism for auxiliary sash in two points (mechanism in the sash) - Manufacturer code Giesse: 02179000		

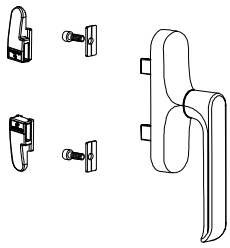
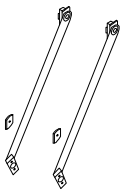
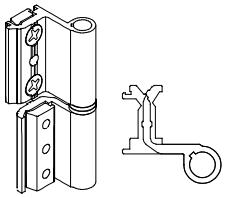
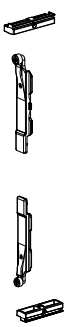
OTKLOPNI MEHANIZAM (VENTUS) S BRAVICOM ZA ZATVARANJE
TILT MECHANISM (VENTUS) WITH LOCK FOR CLOSING



Oznaka Code		Opis Description	Materijal Material	Napomena Remark
124.005.01 **02** **03**		- Bravica (škljoca) za zatvaranje otklopnog prozora - Oznaka proizvođača Stublina: 1014.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Lock for closing tilt window - Manufacturer code Stublina: 1014.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
131.002		- Škare za otklopni prozor - Stara oznaka: E-350 - Friction stays for tiltt window - Former code: E-350		
111.001.01 **02** **03**		- Dvodijelna šarka EURO ŽLIJEB - Stara oznaka: E-100 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge EURO GROOVE - Former code: E-100 - Color: 01- white; 02 - gray;03 - black		

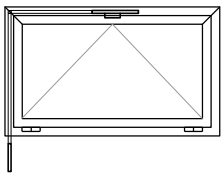
OTKLOPNI MEHANIZAM (VENTUS) S RUČKOM NA HORIZONTALI
TILT MECHANISM (VENTUS) WITH THE HANDLE ON TOP

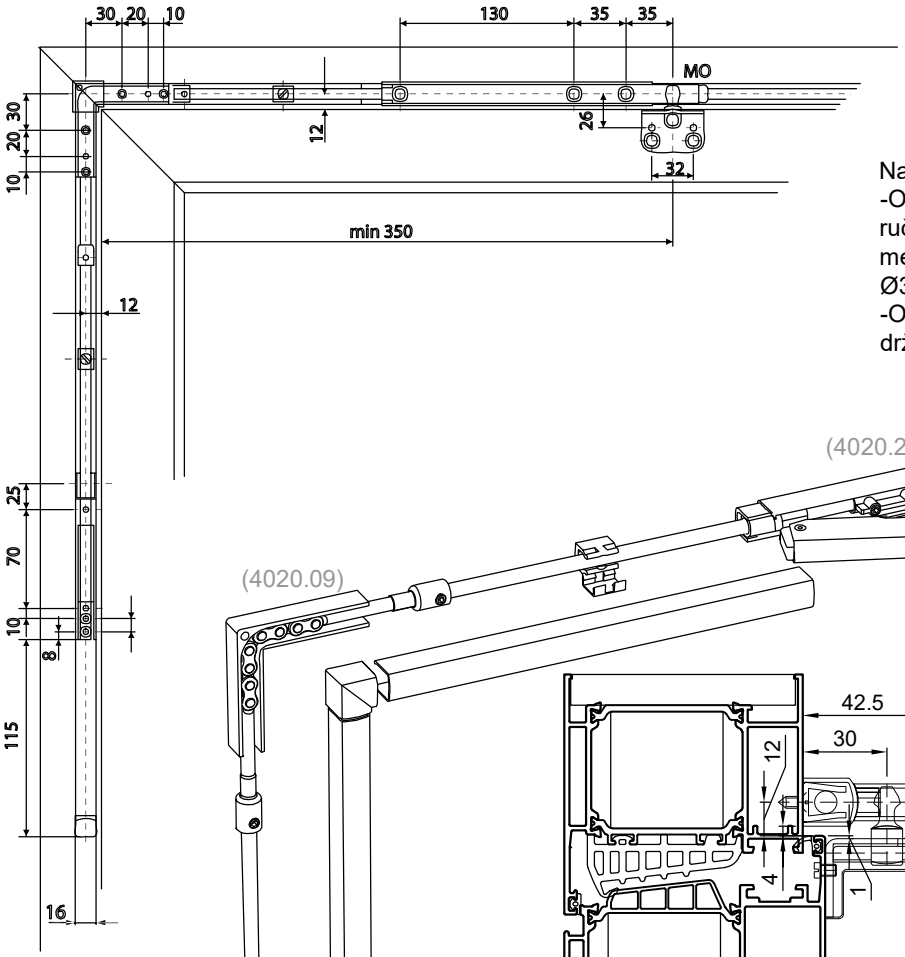


Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
104.011.01 02 03		- Ručka za prozor - Oznaka proizvođača Stublina: 1102.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Window handle - Manufacturer code Stublina: 1102.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black	AlSi Zamak	
131.002		- Škare za otklopni prozor - Stara oznaka: E-350 - Friction stays for tilt window - Former code: E-350		
111.001.01 02 03		- Dvodijelna šarka EURO ŽLIJEB - Stara oznaka E-100 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge EURO GROOVE - Former code E-100 - Color: 01- white; 02 - gray;03 - black		
144.044		- Set zapinjača s prihvatom - Oznaka proizvođača Stublina: 4009.30 - Set of locking bolts with acceptor - Manufacturer code Stublina: 4009.30		

134.006.xx- OTKLOPNI MEHANIZAM (VENTUS) S RUČKOM ZA VISINU - STUBLINA (art.4020.00)

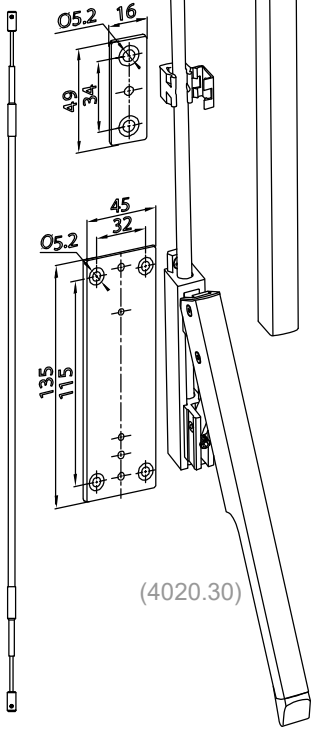
134.006.xx- TILT MECHANISM (VENTUS) WITH HANDLE FOR HEIGHT - STUBLINA (art.4020.00)

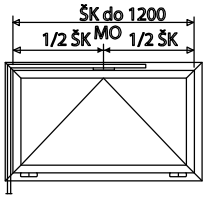




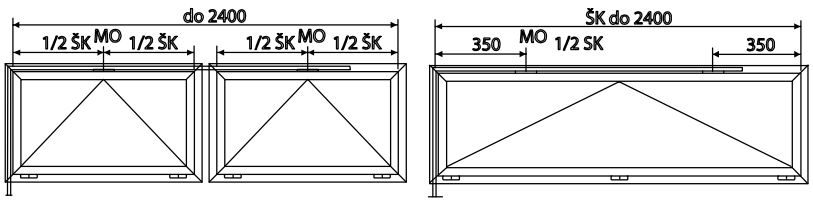
Napomena:
-Otvore na štoku za ugradnju pogonoske ručice 4020.30, kutnog okova 4020.09 mehanizama otvarača 4020.20 bušiti na Ø3mm.
-Otvore na krilu za ugradnju kutnog nosača držača krila 4020.05 bušiti na Ø5.2mm

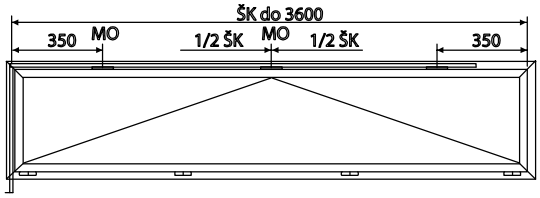
Remark:
-Openings on frame for the handle 4020.30, corner hardware 4020.09 and opening mechanism 4020.20 drill for Ø3mm
-Openings on sash for installation of corner bracket plate holder 4020.05 drill for Ø5.2mm



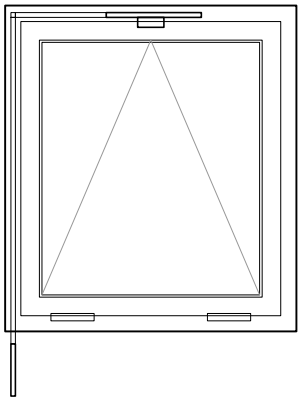


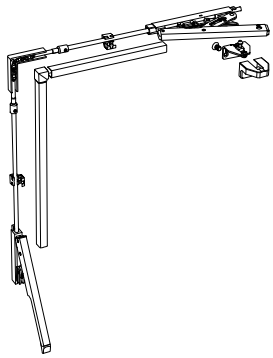
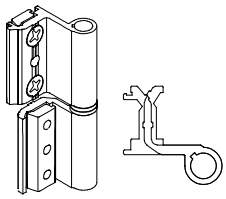
Legenda / Legend:
Mehanizam otvarača / Opening mechanism.....Mo
Širina krila / Sash width.....ŠK



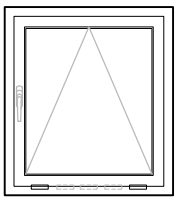


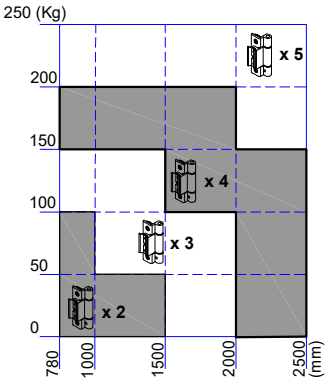
OTKLOPNI MEHANIZAM (VENTUS) S RUČKOM ZA VISINU
TILT MECHANISM (VENTUS) WITH HANDLE FOR HEIGHT

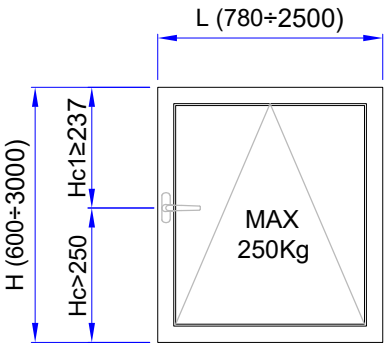


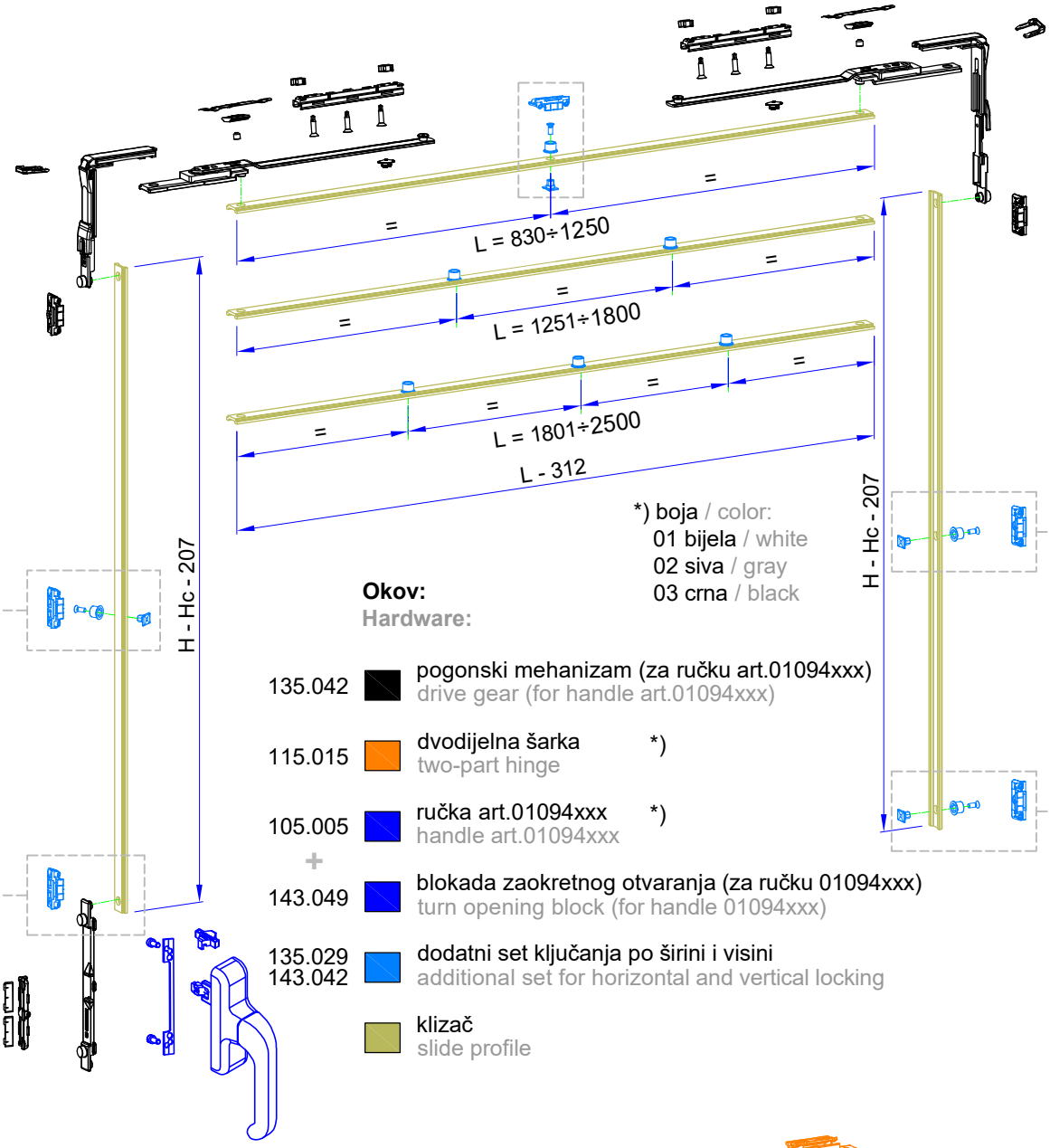
Oznaka Code		Opis Description	Materijal Material	Napomena Remark
134.006.01 **02** **03**		- Ventus set širina krila do 1200 mm - Oznaka proizvođača Stublina: 4020.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Ventus set - sash width up to 1200 mm - Manufacturer code Stublina: 4020.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
111.001.01 **02** **03**		- Dvodijelna šarka EURO ŽLIJEB - Stara oznaka E-100 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge EURO GROOVE - Former code E-100 - Color: 01- white; 02 - gray;03 - black		

OTKLOPNI MEHANIZAM (VENTUS) S RUČKOM NA VERTIKALI
TILT MECHANISM (VENTUS) WITH THE HANDLE ON THE SIDE





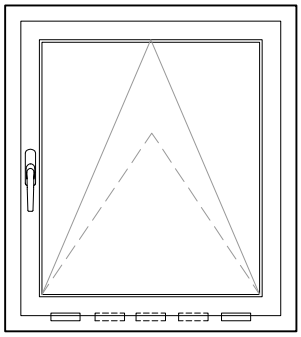


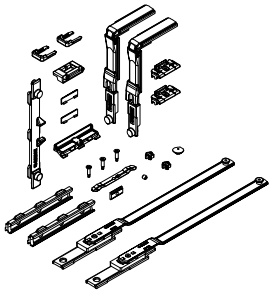
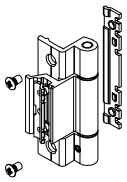
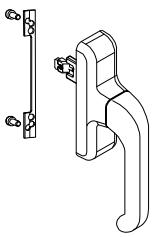
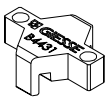


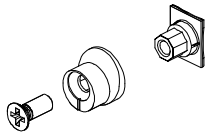
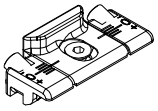
Okov:
Hardware:

135.042	pogonski mehanizam (za ručku art.01094xxx) drive gear (for handle art.01094xxx)	
115.015	dvodijelna šarka two-part hinge	*)
105.005	ručka art.01094xxx handle art.01094xxx	*)
+		
143.049	blokada zaokretnog otvaranja (za ručku 01094xxx) turn opening block (for handle 01094xxx)	
135.029 143.042	dodatni set ključanja po širini i visini additional set for horizontal and vertical locking	
	klizač slide profile	

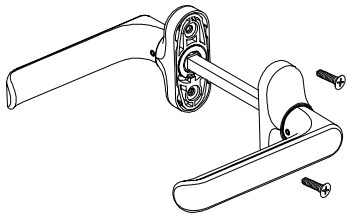
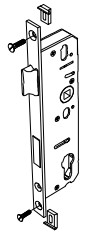
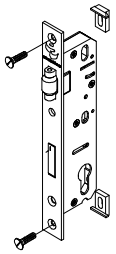
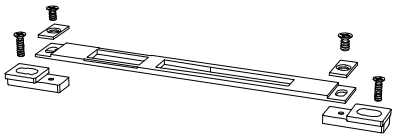
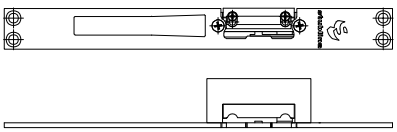
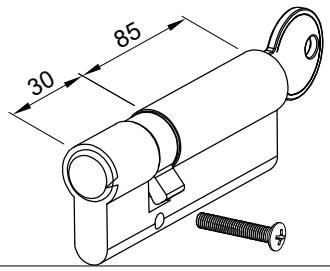
OTKLOPNI MEHANIZAM (VENTUS) S RUČKOM NA VERTIKALI
TILT MECHANISM (VENTUS) WITH THE HANDLE ON THE SIDE

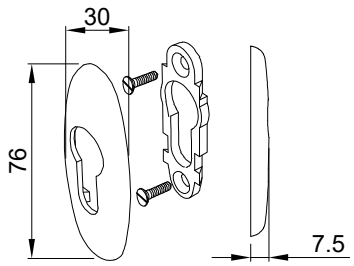
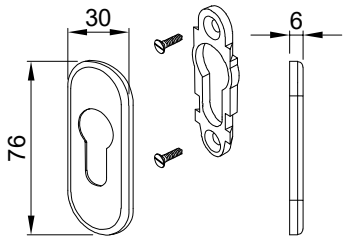


Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.042		- Pogonski mehanizam za otklopni prozor- (ventus) s ručkom na vertikali (..ručka 01094xxx) - Oznaka proizvođača Giesse: 01175000 - Drive gear for tilt window (ventus) with the handle on the side (... handle 01094xxx) - Manufacturer code Giesse: 01175000		
115.015.01 **02** **03**		- Dvodijelna šarka - Oznaka proizvođača Giesse: 00600410 -bijela 00600376 -siva 00600500 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge - Manufacturer code Giesse: 00600410 -white 00600376 -gray 00600500 -black - Color: 01- white; 02 - gray;03 - black		
105.005.01 **02** **03**		- Ručka; (LA 86/104mm), FUTURA 3D (130 micro) - Oznaka proizvođača Giesse: 01094410 -bijela 01094376 -siva 01094500 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Handle; (LA 86/104mm), FUTURA 3D (130 micro) - Manufacturer code Giesse: 01094410 -white 01094376 -gray 01094500 -black - Colors: 01- white; 02 - gray; 03 - black		
	+			
143.049		- Blokada zaokretnog otvaranja (...za ručku 01094xxx) - Oznaka proizvođača Giesse: 02235 - Turn opening block (... for handle 01094xxx) - Manufacturer code Stublina: 02235		

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
135.029		- Dodatno ključanje - zapinjač - Oznaka proizvođača Giesse: 04030000 - Additonal locking - adjustable fastening pawl - Manufacturer code Giesse: 04030000		
143.042		- Dodatno ključanje - prihvatnik zapinjača - Oznaka proizvođača Giesse: 01347000 - Additional locking - striker - Manufacturer code Giesse: 01347000		

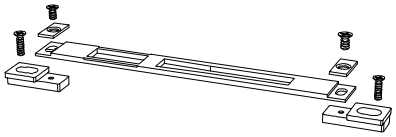
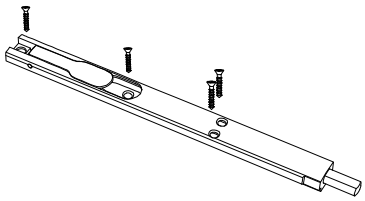
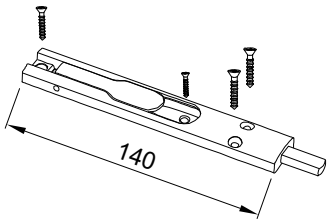
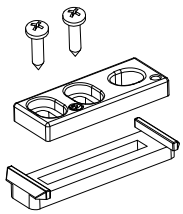
JEDNOKRILNA VRATA, OTVARANJE UNUTRA
SINGLE LEAF DOOR, INWARD OPENING

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
104.009.01 02 03		- Ručka za vrata ..... (duljina šipa 8x8 : L=160mm) - Oznaka proizvođača Stublina: 1132.20.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Door handle.....(length of pin 8x8 : L=160mm) - Manufacturer code Stublina: 1132.20.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray; 03 - black	AlSi Zamak	
124.001		- Brava 35 mm s jezičkom - Oznaka proizvođača Stublina: 3022.00 - Lock 35 mm with latchbolt - Manufacturer code Stublina: 3022.00	Inox	
124.010		- Brava 35 mm s valjkom - Oznaka proizvođača Stublina: 3032.00 - Roller latch lock 35 mm - Manufacturer code Stublina: 3032.00	Inox	
124.003		- Prihvatnik jezička brave (šild) - Oznaka proizvođača Stublina: 3016.00 - Lock latchbolt acceptor - Manufacturer code Stublina: 3016.00	Čelik Zn	
124.043		- Prihvatni lim (ravni) s elektro otvaračem (SES1-008 (U-6-12V AC; I-980 mA; R-8.7Ω)) - Oznaka proizvođača Stublina: 3088.20.133 - Locking plate (flat) with electric door opener (SES1-008 (U-6-12V AC; I-980 mA; R-8.7Ω)) - Manufacturer code Stublina: 3088.20.133	Inox	Za lijeva i desna vrata For left and right door
126.028		- Uložak (cilindar) za bravu 35 mm - Oznaka proizvođača ISEO Serrature: 810930859 (dužina cilindra 115 mm (30+85)) - Lock insert (cylinder) 35 mm - Manufacturer code ISEO Serrature: 810930859 (cylinder length 115 mm (30+85))	Ni	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
124.032.01 **02** **03**		- Štitnik cilindra za bravu (par) - Oznaka proizvođača Stublina: 1031.04.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Lock cylinder protector (two-sided) - Manufacturer code Stublina: 1031.04.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray; 03 - black	Zn Čelik	
124.035.01 **02** **03**		- Štitnik cilindra za bravu (par) - Oznaka proizvođača Stublina: 1131.04.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Lock cylinder protector (two-sided) - Manufacturer code Stublina: 1131.04.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray; 03 - black	Zn Čelik	

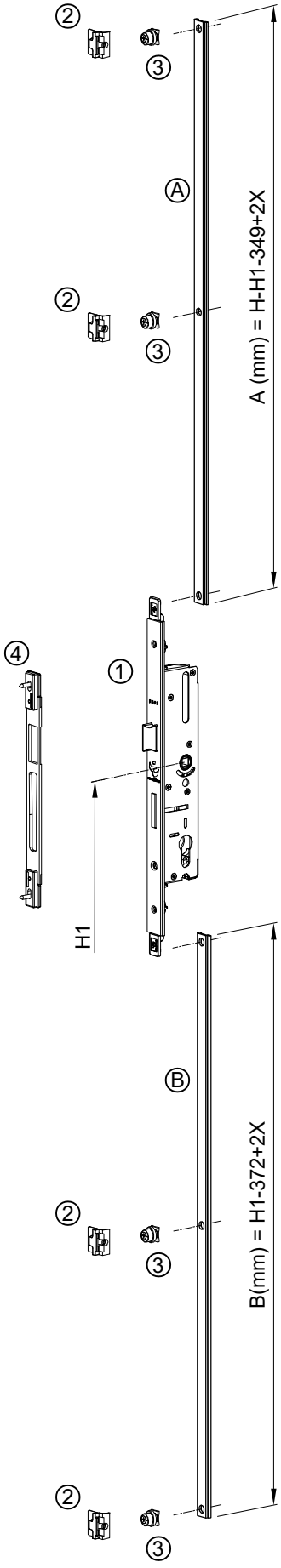
* Šarke za vrata biraju se po želji, ovisno o težini krila (stranice 208.06.002 i 208.06.003)
Door hinges can be chosen as desired, depending on the weight of the leaf (pages 208.06.002 and 208.06.003)

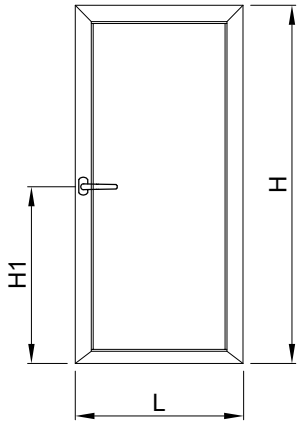
KLJUČANJE POMOĆNOG KRILA KOD DVOKRILNIH VRATA
LOCKING OF AUXILIARY LEAF ON DOUBLE DOOR

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
124.003		- Prihvatnik jezička brave (šild) - Oznaka proizvođača Stublina: 3016.00 - Lock latchbolt acceptor - Manufacturer code Stublina: 3016.00	Čelik Zn	
144.003.01 **02** **03**		- Zapinjač-krakun za vrata - Oznaka proizvođača Stublina: 3006.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva;03 - crna - Door latch - Manufacturer code Stublina: 3006.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray;03 - black		
144.000.01 **02** **03**		- Zapinjač-krakun za vrata (kratki) - Oznaka proizvođača Stublina: 3061.00.310 -bijela 315 -siva 313 -crna - Boje: 01- bijela; 02 - siva; 03 - crna - Door latch (short) - Manufacturer code Stublina: 3061.00.310 -white 315 -gray 313 -black - Color: 01- white; 02 - gray; 03 - black		
124.044		- Prihvatnik zapinjača (krakuna) za vrata - Oznaka proizvođača Stublina: 3012.20 - Latch acceptor for the door - Manufacturer code Stublina: 3012.20	Zn PVC	

* Šarke za vrata biraju se po želji, ovisno o težini krila (stranica 208.06.002 i 208.06.003)
Door hinges can be chosen as desired, depending on the weight of the sash (page 208.06.002 and 208.06.003)

BRAVA 35mm ZA KLJUČANJE U VIŠE MJESTA - STUBLINA
LOCK 35mm FOR MULTIPLE LOCKING - STUBLINA





H - visina krila / leaf height
L - širina krila / leaf width
H1- visina brave (osa ručke)
lock height (handle axis)

1) **124.042**
-Brava 35mm za ključanje u više mjesta
-Oznaka proizvođača Stublina: 3147.00
-Lock 35mm for multiple locking
-Manufacturer code Stublina: 3147.00

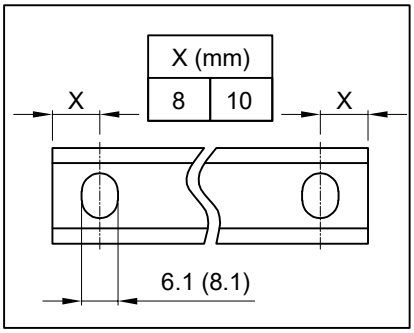
2) **134.004**
- Dodatno ključanje - prihvatnik zapinjača
- Oznaka proizvođača Stublina: 4010.03
- Additional locking - striker
- Manufacturer code Stublina: 4010.03

3) **134.005**
- Dodatno ključanje - zapinjač
- Oznaka proizvođača Stublina: 4010.27
- Additional locking - adjustable fastening pawl
- Manufacturer code Stublina: 4010.27

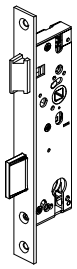
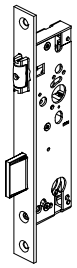
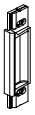
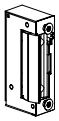
4) **124.003**
- Prihvatnik jezička brave (šild)
- Oznaka proizvođača Stublina: 3016.00
- Lock latchbolt acceptor
- Manufacturer code Stublina: 3016.00

A) **NC-1459**
- profil klizača
- slide profile

B) **NC-1459**
- profil klizača
- slide profile

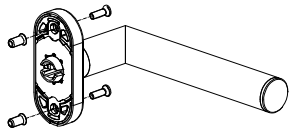
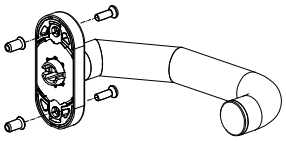
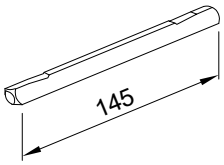
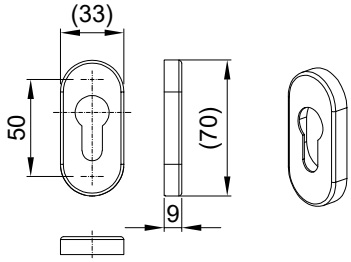
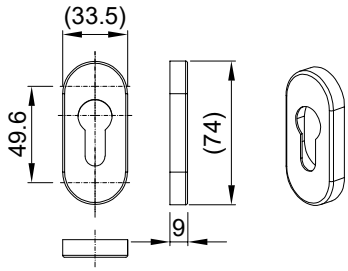
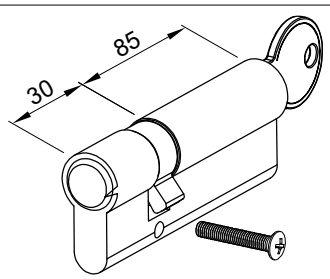


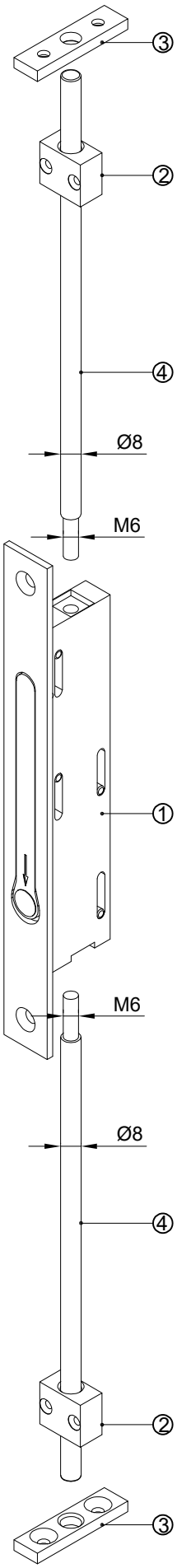
OKOV ZA JEDNOKRILNA VRATA - (otvaranje unutra i vani)
HARDWARE FOR SINGLE LEAF DOOR - (inward and outward opening)

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
122.073		- Brava (kratka) 35 mm s jezičkom - ravna potisna ploča - Oznaka proizvođača GU-BKS: B 1314 0013 (čelik) B 1314 0003 (inox) - Lock 35 mm with latchbolt - flat faceplate - Manufacturer code GU-BKS: B 1314 0013 (steel) B 1314 0003 (inox)	Čelik	
122.124 *			Inox	
122.075		- Brava (kratka) 35 mm s valjkom - ravna potisna ploča - Oznaka proizvođača GU-BKS: B 1315 0013 (čelik) B 1315 0003 (inox) - Roller latch lock 35 mm - flat faceplate - Manufacturer code GU-BKS: B 1315 0013 (steel) B 1315 0003 (inox)	Čelik	
122.126 *			Inox	
122.054		- Prihvatni lim (ravni) 22x3/NL11 - Lijevi - Oznaka proizvođača GU: 6-39257-01-L-8 - Striking plate (flat) 22x3/NL11 - Left - Manufacturer code GU: 6-39257-01-L-8	Inox	
122.079		- Prihvatni lim (ravni) 22x3/NL11 - Desni - Oznaka proizvođača GU: 6-39257-01-R-8 - Striking plate (flat) 22x3/NL11 - Right - Manufacturer code GU: 6-39257-01-R-8		
122.030		- Kućište zasuna brave (62mm) - Oznaka proizvođača GU: 9-48553-03-0-6 (Element po želji) - Latch bolt casement (62mm). - Manufacturer code GU: 9-48553-03-0-6 (Optional part)	Pvc	
122.042		- Prihvatni dio za valjak - Oznaka proizvođača GU: K-15597-01-0-6 - Receiving part for the roller - Manufacturer code GU: K-15597-01-0-6	Al Pvc	
122.055		- Elektro otvarač vrata GU ET8 AES 9-24V AC/DC, bez klizača za jezičak, opruga 60N (100%E) - Oznaka proizvođača GU: 6-38473-02-0-1 (Elektro otvarač se koristi po želji) - Electric door opener GU ET8 AES 9-24V AC/DC, without latch slide cover, latch spring 60N (100%E) - Manufacturer code GU: 6-38473-02-0-1 (Electric door opener is optional)		

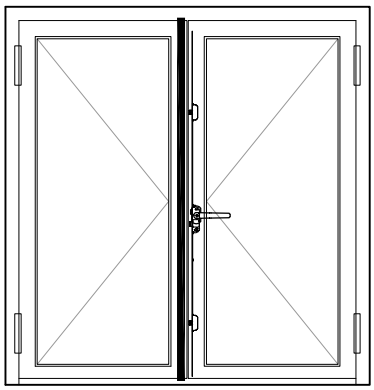
* Preporučuje se korištenje u uvjetima gdje je potrebna visoka antikorozivna zaštita
* Recommended for use in conditions where high corrosion protection is required

OKOV ZA JEDNOKRILNA VRATA - (otvaranje unutra)
HARDWARE FOR SINGLE LEAF DOOR - (inward opening)

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
102.028		- Ručka za vrata s ovalnom rozetom serije BELCANTO H2.0 (s prihvatom četvrtke 8x8mm) - jednostrano ručka - Oznaka proizvođača GU-BKS: B-70130-63-0-8 - Završna obrada: inox - Door handle with oval rosette serie BELCANTO H2.0 (for spindle 8x8 mm) - half lever set - Manufacturer code GU-BKS: B-70130-63-0-8 - Finish: stainless steel		
102.029		- Ručka za vrata s ovalnom rozetom serije RONDO H1.1 (s prihvatom četvrtke 8 mm) - jednostrano ručka - Oznaka proizvođača GU-BKS: B-70130-61-0-8 - Završna obrada: Inox - Door handle with oval rosette serie RONDO H1.1 (for spindle 8x8 mm) - half lever set - Manufacturer code GU-BKS: B-70130-61-0-8 - Finish: stainless steel		
102.025		- Četvrtka 8x8 mm - Oznaka proizvođača GU-BKS: B-78400-0O-0-1 (dužina četvrtke L=145 mm) - Square spindle 8x8 mm - Manufacturer code GU-BKS: B-78400-0O-0-1 (spindle length L=145 mm)		
122.098		- Ovalna rozeta za zaštitu cilindra serije BELCANTO - Oznaka proizvođača GU-BKS: B-72730-00-0-8 - Završna obrada: inox - Oval rosette for cylinder protection BELCANTO series - Manufacturer code GU-BKS: B-72730-00-0-8 - Finish: stainless steel		Naručuje se po komadu It is ordered per piece
122.097		- Ovalna sigurnosna rozeta za zaštitu cilindra - Oznaka proizvođača GU-BKS: B-78820-0R-0-8 - Završna obrada: Inox - Oval security rosette for cylinder protection - Manufacturer code GU-BKS: B-78820-0R-0-8 - Finish: stainless steel		Naručuje se po komadu It is ordered per piece
126.028		- Uložak (cilindar) za bravu 35mm - Oznaka proizvođača ISEO Serrature: 810930859 (dužina cilindra 115mm (30+85)) - Lock insert (cylinder) 35mm - Manufacturer code ISEO Serrature: 810930859 (cylinder length 115mm (30+85))	Ni	



KLJUČANJE POMOĆNOG KRILA KOD DVOKRILNIH VRATA
LOCKING OF AUXILIARY LEAF ON DOUBLE DOOR



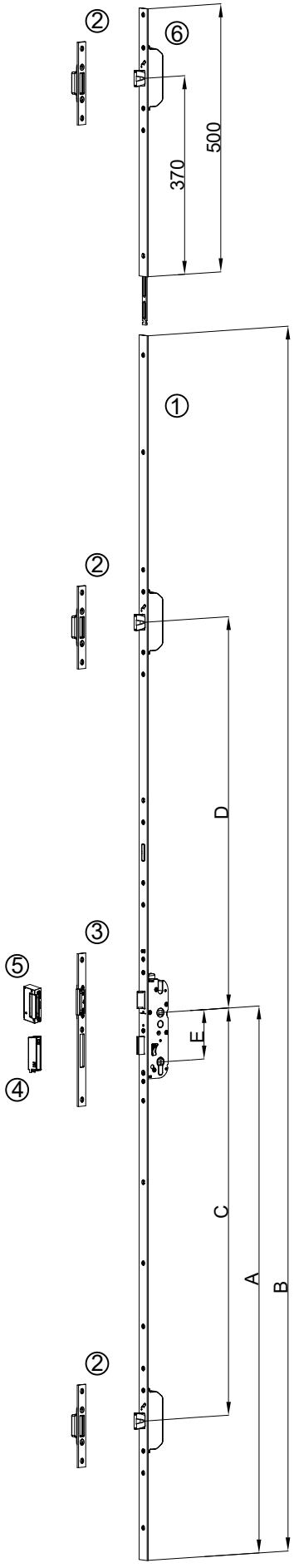
1) **122.057**
-Bravica za ključanje pomoćnog krila u ramu i pragu
-oznaka proizvođača GU-BKS: B 1899 0201
-Lock for the auxiliary leaf in the frame and threshold
-manufacturer code GU-BKS: B 1899 0201

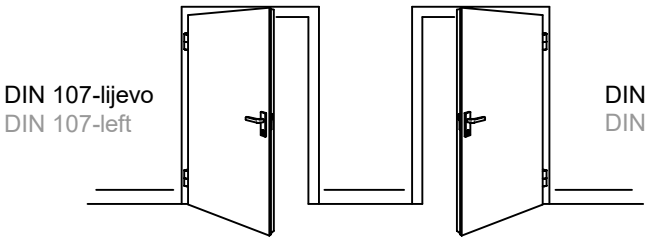
2) **521.312**
-Usmjerivač osovinice
-Shaft positioner

3) **521.314**
-Pločica u ramu i pragu za ključanje pomoćnog krila
-Insert plate in the frame and threshold for the locking of auxiliary leaf

4) **521.315**
-Osovinica Ø8 mm; L=2000 mm
-Shaft Ø8mm; L=2000 mm

SIGURNOSNA BRAVA 35mm S TRI MJESTA KLJUČANJA - GU SECURY (MR2)
SAFETY LOCK 35mm WITH 3 LOCKING POINTS - GU SECURY (MR2)





Okov za visine krila 1898-2414 mm
Hardware for leaf heights 1898-2414 mm

1) Brava GU Secury s masivnim zasunima (MR2)
Multipoint lock with massive bolts GU Secury (MR2)

	Oznaka FEAL Code FEAL	Dubina Depth	Potisna ploča Push plate	Visina ručke (A) Handle height (A)	Rastojanje (E) Distance (E)	Četvrtka Quarter	Visina brave (B) Lock height (B)	(C)	(D)	Oznaka proizvođača Manufacturer code
čelik (steel)	**122.052**	35	▯24x2.5	1020	92	□8	2285	760	730	6-31542-14-0-1
inox	**122.110***									6-31542-14-0-8

2) **122.053**
Prihvatna pločica (ravna) 22x3/NL11
- oznaka proizvođača GU: 6-40059-02-0-8
Striking plate (flat) 22x3/NL11
- manufacturer code GU: 6-40059-02-0-8

3) **122.054** (lijevi) ; **122.079** (desni)
Prihvatni lim (ravni) 22x3/NL11,
- oznaka proizvođača GU: 6-39257-01-L-8 (lijevi); 6-39257-01-R-8 (desni)
Striking plate (flat) 22x3/NL11,
- manufacturer code GU: 6-39257-01-L-8 (left); 6-39257-01-R-8 (right)

4) **122.030**
Kućište zasuna brave (62mm)
- oznaka proizvođača GU: 9-48553-03-0-6.....(Element po želji)
Latch bolt casement (62mm).
- manufacturer code GU: 9-48553-03-0-6.....(Optional part)

5) **122.055**
Elektro otvarač vrata GU ET8 AES 9-24V AC/DC, bez klizača za jezičak, opruga 60N (100%E)
- oznaka proizvođača GU: 6-38473-02-0-1.....(Elektro otvarač se koristi po želji)
Electric door opener GU ET8 AES 9-24V AC/DC, without latch slide cover, latch spring 60N (100%E)
- manufacturer code GU: 6-38473-02-0-1.....(Electric door opener is optional)

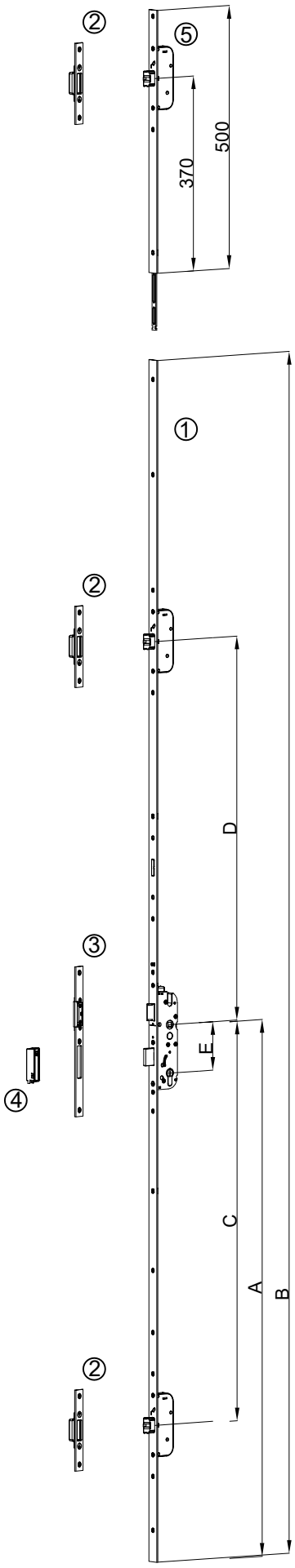
Dodatni okov za visine krila 2415-2800 mm
Additional hardware for leaf heights 2415-2800 mm

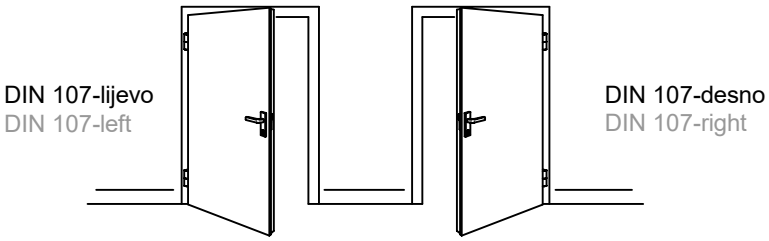
6) **122.077 (čelik/steel); 122.118 (inox)**
Secury produžetak brave MR2/24x3/500 mm (Element po želji)
(dodatno gornje ključanje za visine krila 2415-2800 mm)
- oznaka proizvođača GU: 6-37395-12-0-1 (čelik)
6-37395-12-0-8 (inox)
Secury lock extension MR2/24x3/500 mm (Optional part)
(additional upper lock for leaf heights 2415-2800 mm
- manufacturer code GU: 6-37395-12-0-1 (steel)
6-37395-12-0-8 (inox)

2) **122.053**
Prihvatna pločica (ravna) 22x3/NL11
- oznaka proizvođača GU: 6-40059-02-0-8
Striking plate (flat) 22x3/NL11
- manufacturer code GU: 6-40059-02-0-8

* Preporučuje se korištenje u uvjetima gdje je potrebna visoka antikorozivna zaštita
* Recommended for use in conditions where high corrosion protection is required

SIGURNOSNA BRAVA 35mm S TRI MJESTA KLJUČANJA - GU SECURY (SECA)
SAFETY LOCK 35mm WITH 3 LOCKING POINTS - GU SECURY (SECA)





Okov za visine krila 1898-2414 mm
Hardware for leaf heights 1898-2414 mm

1) Brava GU Secury s automatskim zasunima (SECA)
Multipoint lock with automatic bolts GU Secury (SECA)

	Oznaka FEAL Code FEAL	Dubina Depth	Potisna ploča Push plate	Visina ručke (A) Handle height (A)	Rastojanje (E) Distance (E)	Četvrtka Quarter	Visina brave (B) Lock height (B)	(C)	(D)	Oznaka proizvođača Manufacturer code
čelik (steel)	**122.071**	35	▯24x2.5	1020	92	□8	2285	760	730	6-28479-31-0-1
inox	**122.112***									6-28479-31-0-8

2) **122.053**
Prihvatna pločica (ravna) 22x3/NL11
- oznaka proizvođača GU: 6-40059-02-0-8
Striking plate (flat) 22x3/NL11
- manufacturer code GU: 6-40059-02-0-8

3) **122.054** (lijevi) ; **122.079** (desni)
Prihvatni lim (ravni) 22x3/NL11,
- oznaka proizvođača GU: 6-39257-01-L-8 (lijevi);
6-39257-01-R-8 (desni)
Striking plate (flat) 22x3/NL11,
- manufacturer code GU: 6-39257-01-L-8 (left);
6-39257-01-R-8 (right)

4) **122.030**
Kućište zasuna brave (62mm)
- oznaka proizvođača GU: 9-48553-03-0-6.....(Element po želji)
Latch bolt casement (62mm).
- manufacturer code GU: 9-48553-03-0-6.....(Optional part)

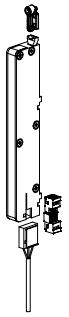
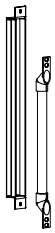
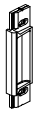
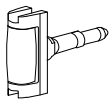
Dodatni okov za visine krila 2415-2800 mm
Additional hardware for leaf heights 2415-2800 mm

5) **122.078 (čelik/steel); 122.119 (inox)**
Secury produžetak brave SECA/24x3/500 mm (Element po želji)
(dodatno gornje ključanje za visine krila 2415-2800 mm)
- oznaka proizvođača GU: 6-37394-12-0-1 (čelik)
6-37394-12-0-8 (inox)
Secury lock extension SECA/24x3/500 mm (Optional part)
(additional upper lock for leaf heights 2415-2800 mm)
- manufacturer code GU: 6-37394-12-0-1 (steel)
6-37394-12-0-8 (inox)

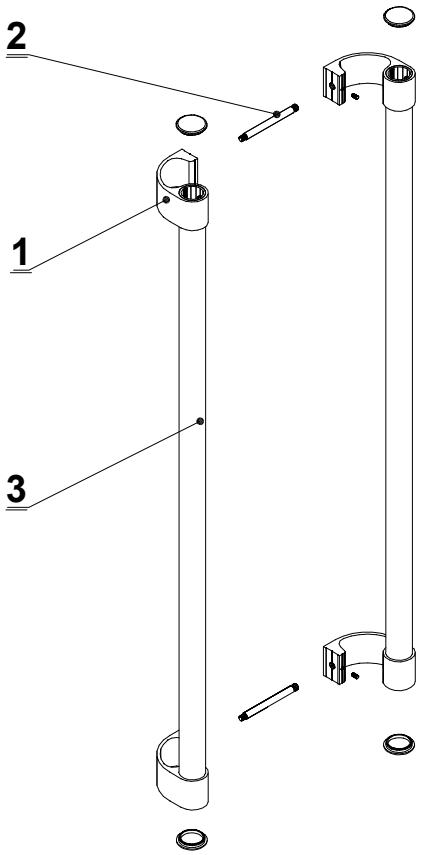
2) **122.053**
Prihvatna pločica (ravna) 22x3/NL11
- oznaka proizvođača GU: 6-40059-02-0-8
Striking plate (flat) 22x3/NL11
- manufacturer code GU: 6-40059-02-0-8

* Preporučuje se korištenje u uvjetima gdje je potrebna visoka antikorozivna zaštita
* Recommended for use in conditions where high corrosion protection is required

DODACI ZA SIGURNOSNE BRAVE 35mm S TRI MJESTA KLJUČANJA - GU SECURY MR2 I SECA
ACCESSORIES FOR SAFETY LOCKS 35 MM WITH 3 LOCKING POINTS - GU SECURY MR2 AND SECA

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
142.056		- Set Secury A-offner Elektro motor (motorno otvaranje brave SECA) - Oznaka proizvođača GU: K-18153-01-0-0 - Set Secury A-offner electromotor (motorized opening for the SECA lock) - Manufacturer code GU: K-18153-01-0-0		
142.057		- Zaštita kabla 24x260x17 Ø10 do 100° otvaranje - Oznaka proizvođača GU: 6-29854-00-0-0 - Concealed cable duct 24x260x17 Ø10 up to 100° opening - Manufacturer code GU: 6-29854-00-0-0		
122.042		- Prihvatni dio za valjak (za bravu MR2) - Oznaka proizvođača GU: K-15597-01-0-6 - Receiving part for the roller (for lock MR2) - Manufacturer code GU: K-15597-01-0-6	Al Pvc	
122.040		- Valjak za bravu 35 mm (MR2) - Oznaka proizvođača GU: 6-36144-35-0-1 A - Roller for lock 35 mm (MR2) - Manufacturer code GU: 6-36144-35-0-1 A		

RUKOHVAT ZA VRATA (OBOSTRANO)
DOOR PULL HANDLE (BOTH SIDES)



1. Art. **100.019** ..... kom 1
   Artikal sadržava:
   -nosač rukohvata, vanjski art.391.182 kom 2
   -nosač rukohvata, unutarnji art.391.181 kom 2
   -čep za profil rukohvata art. 375.075 kom 4
   -vijak imbus M6x10 DIN 914 art.431.342 kom 2
   -vijak imbus M5x4 DIN 913 art.431.805 kom 4

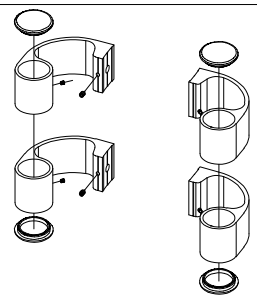
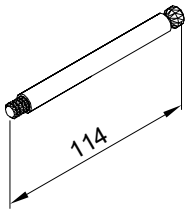
2. Art. **391.179**
   -inox osovina (L= 114mm) ..... kom 2

3. Profil rukohvata vrata **F-0829** ..... kom 2
   Profil F-0829 se pila na mjeru - prema zahtjevu kupca,
   a isporučuje se u standardnoj mjeri - 6500 mm

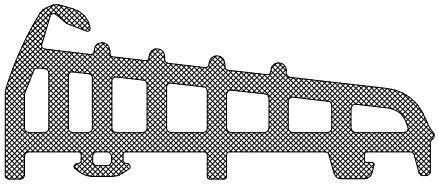
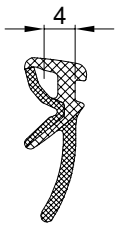
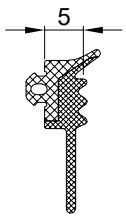
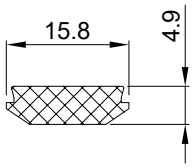
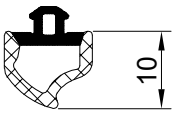
1. Art. **100.019** ..... pcs 1
   Elements of product:
   -handrail carrier, outside art.391.182 pcs 2
   -handrail carrier, inside art.391.181 pcs 2
   -plug for handrail profile art. 375.075 pcs 4
   -screw M6x10 DIN 914 art.431.342 pcs 2
   -screw M5x4 DIN 913 art.431.805 pcs 4

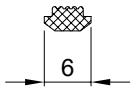
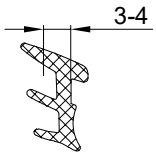
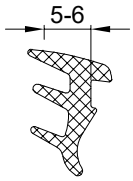
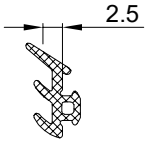
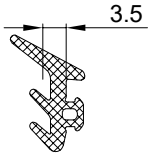
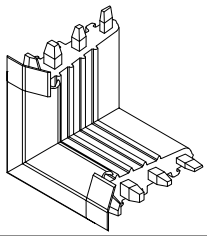
2. Art. **391.179**
   -inox shaft (L= 114mm) ..... pcs 2

3. Door handrail profile **F-0829** ..... pcs 2
   The profile F-0829 is cutted at dimension- according to
   request of customer and delivering in standard dimension-6500 mm

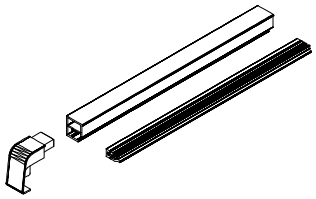
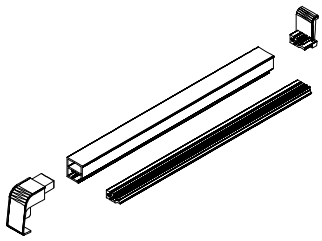
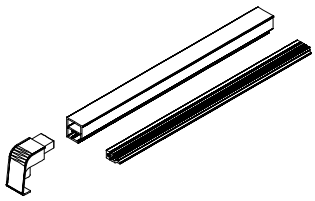
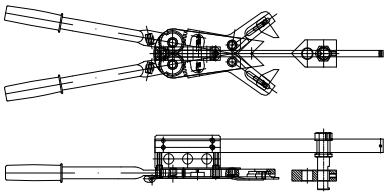
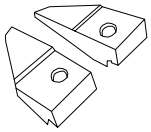
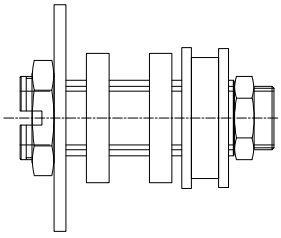
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
100.019 01 02 03		- Nosač rukohvata F-0829 - Boje: 01- bijela; 02 - siva;03 - crna - Handrail carrier F-0829 - Color: 01- white; 02 - gray;03 - black		
391.179		- Inox osovina (L=114mm) - Inox shaft (L=114 mm)	Inox Inox	

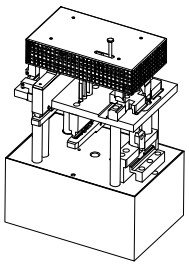
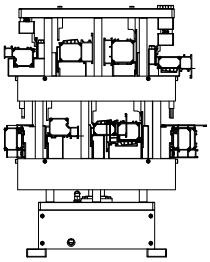
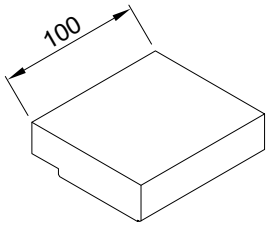
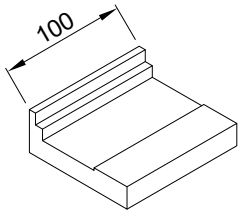
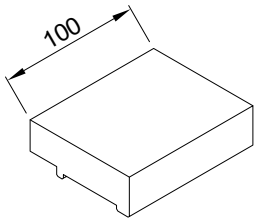
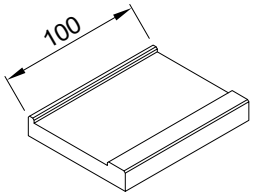
Brtve
Gaskets

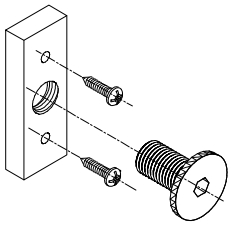
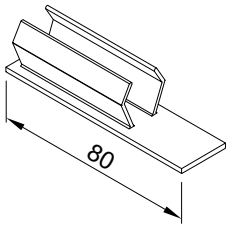
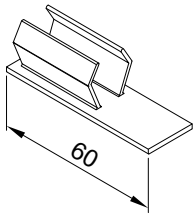
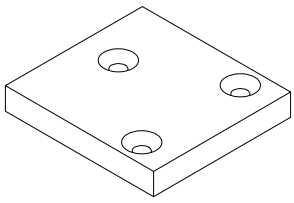
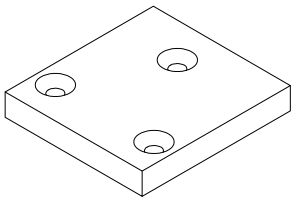
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
337.001		- Centralna brtva - Central gasket	Spužvasti EPDM Foam EPDM	0.75 kg/m^3
317.001		- Brtva prema staklu /unutarnja/ - Glazing gasket /interior/	EPDM + Spužvasti EPDM EPDM + Foam EPDM	70 ShA + 0.80 kg/m^3
327.001		- Brtva prema staklu /vanjska/ - Glazing gasket /exterior/	EPDM + Spužvasti EPDM EPDM + Foam EPDM	60 ShA + 0.80 kg/m^3
317.002		- Brtva u profilu krila - Gasket in sash profile	EPDM + Spužvasti EPDM EPDM + Foam EPDM	60 ShA + 0.90 kg/m^3
327.002		- Brtva u profilu rama i u profilu kombatute - Gasket in frame profile and in flying mullion profile	Spužvasti EPDM Foam EPDM	0.90 kg/m^3
344.058		- Brtva u profilu praga - Gasket in threshold profile	TPE	65 ShA
348.088		- Brtva prema profilu praga - Gasket towards the threshold profile	EPDM+ spužvasti EPDM EPDM + foam EPDM	70±5 ShA 0.9±0.15 g/cm3

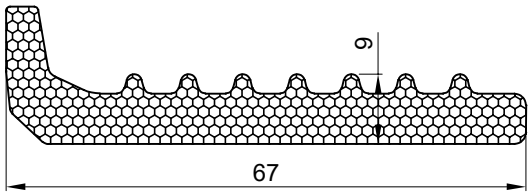
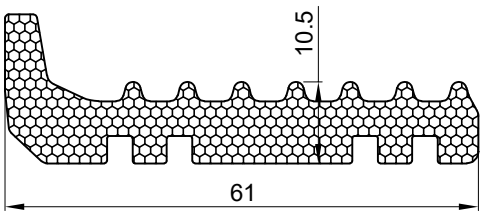
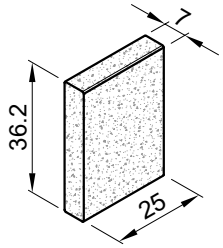
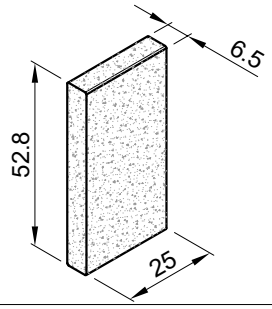
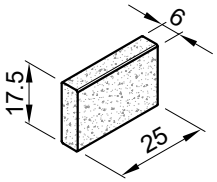
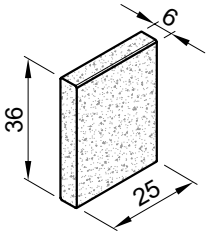
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
340.055		- Odstojna brtva (u profilu okomice F-1569) - Spacer gasket (in french balcony profile F-1569)	ELASTRON	65 ShA
318.015		- Brtva prema staklu /unutarnja/ - Glazing gasket /interior/	EPDM	70±5 ShA
318.016		- Brtva prema staklu /unutarnja/ - Glazing gasket /interior/	EPDM	70±5 ShA
328.007		- Brtva prema staklu /vanjska/ - Glazing gasket /exterior/	EPDM	
328.002		- Brtva prema staklu /vanjska/ - Glazing gasket /exterior/	EPDM	60±5 ShA
366.015		- Kutni umetak za centralnu brtvu 337.001 - Corner insert for central gasket 337.001	EPDM	30 ShA

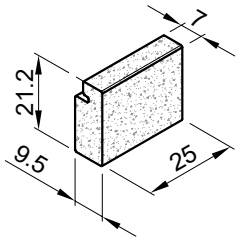
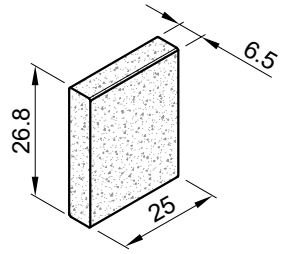
Dodaci
Accessories

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
301.006. 01 02 03		- Set za bočni čep klupice (za klupice do 280mm) - Boje: 01 - bijela; 02 - siva; 03 - crna - Aluminium window sill side caps (for window sills to 280mm) - Color: 01 - white; 02 - gray; 03 - black	PVC TPE Al.	
301.009. 01 02 03		- Set za bočni čep klupice (za klupice do 280mm) - Boje: 01 - bijela; 02 - siva; 03 - crna - Aluminium window sill side caps (for window sills to 280mm) - Color: 01 - white; 02 - gray; 03 - black	PVC TPE Al.	
301.010. 01 02 03		- Set za bočni čep klupice (za klupicu 360mm) - Boje: 01 - bijela; 02 - siva; 03 - crna - Aluminium window sill side caps (for window sill 360mm) - Color: 01 - white; 02 - gray; 03 - black	PVC TPE Al.	
240.001		- Kliješta za kutne spojnice - Manual crimping tool		
240.001.00.01		- Noževi za kliješta kutnih spojnica - Knives for crimper corner joint		
220.027		- Grupa glodala za obradu profila prečke FT-1220 prema profilu prečke i prema profilu rama - Milling tools for processing of a crossbar profile FT-1220 according crossbar and frame profile	Čelik Steel	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
210.001		- Štanca za otklopno zaokretne sisteme prozora i vrata - Stara oznaka: Štanca S1 - Punching machine for tilt-turn systems of windows and doors: - Former code: Štanca S1		
210.010		- Pneumatska štanca za odvod kapljevina i ventilaciju: 1. Profil krila prozora Termo 85 PA 2. Profile krila i rama prozora T85 PA u fasadi - Stara oznaka: Štanca S10 - Pneumatic punching machine for water drainage and ventilation for: 1. Sash profiles of the window Termo 85 PA 2. Sash and frame profiles of the window Termo 85 PA in the facade - Former code: Štanca S10		
371.025		- Umetak za pilanje profila krila (l=100mm) - Insert for cutting of the sash profile (l=100mm)	Teflon	
371.026		- Umetak za pilanje profila krila (l=100mm) - Insert for cutting of the sash profile (l=100mm)	Teflon	
371.027		- Umetak za pilanje profila rama i prečke (l=100mm) - Insert for cutting of the frame profile and window crossbar (l=100mm)	Teflon	
371.028		- Umetak za pilanje profila rama (l=100mm) - Insert for cutting of the frame profile (l=100mm)	Teflon	

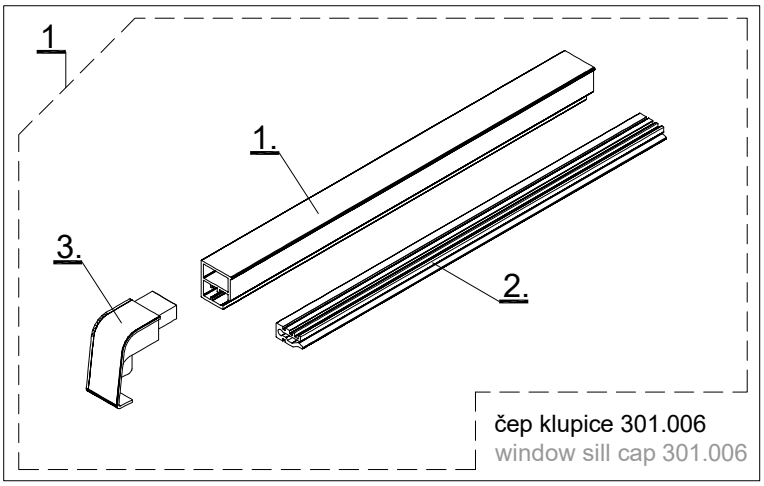
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
521.286		- Element za ugradnju - Instalation elemet	Al. PVC	
521.287.01 **02** **03**		- Umetak za profil ojačanja prečke (za profile NP-4183 i NP-4184) - Boje: 01 - bijela; 02 - siva; 03 - crna - End insert for window crossbar reinforcement (for profiles NP-4183 and NP-4184) - Color: 01 - white; 02 - gray; 03 - black	Al.	
521.288.01 **02** **03**		- Umetak za profil ojačanja prečke (za profile F-1634 i NP-4184) - Boje: 01 - bijela; 02 - siva; 03 - crna - End insert for window crossbar reinforcement (for profiles F-1634 and NP-4184) - Color: 01 - white; 02 - gray; 03 - black	Al.	
391.148.01 **02** **03**		- Aluminijska nosiva pločica francuskog balkona lijeva 50 mm x 54 mm x 8 mm - Boje: 01 - bijela; 02 - siva; 03 - crna - French balcony aluminium glass support left 50 mm x 54 mm x 8 mm - Color: 01 - white; 02 - gray; 03 - black	Al.	
391.149.01 **02** **03**		- Aluminijska nosiva pločica francuskog balkona desna 50 mm x 54 mm x 8 mm - Boje: 01 - bijela; 02 - siva; 03 - crna - French balcony aluminium glass support right 50 mm x 54 mm x 8 mm - Color: 01 - white; 02 - gray; 03 - black	Al.	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
340.142		- Izolacijska ispuna s ljepljivom trakom (67x9) (spužvasta ispuna po opsegu stakla) - Insulation around the glass with adhesive tape (67x9) (foam insulation around the glass)	XPE	
340.143		- Izolacijska ispuna s ljepljivom trakom (61x10.5) (spužvasta ispuna po opsegu stakla) - Insulation around the glass with adhesive tape (61x10.5) (foam insulation around the glass)	XPE	
340.268	L=25mm 	- XPS barijera za komoru 6x35.2 - Za profil: FT-1200 - XPS barrier for chamber 6x35.2 - For profile: FT-1200	XPS	
340.269	L=25mm 	- XPS barijera za komoru 5.5x51.8 - Za profil: FT-1220 - XPS barrier for chamber 5.5x51.8 - For profile: FT-1220	XPS	
340.286	L=25mm 	- XPS barijera za komoru 5x16.5 - Za profil: FT-1210 - XPS barrier for chamber 5x16.5 - For profile: FT-1210	XPS	
340.287	L=25mm 	- XPS barijera za komoru 5x35 - Za profil: FT-1211 - XPS barrier for chamber 5x35 - For profile: FT-1211	XPS	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
340.288	L=25mm 	- XPS barijera za komoru 8.5x20.2 - Za profil: FT-1201 - XPS barrier for chamber 8.5x20.2 - For profile: FT-1201	XPS	
340.358	L=25mm 	- XPS barijera za komoru 5.5x25.8 - Za profil: FT-1221 - XPS barrier for chamber 5.5x25.8 - For profile: FT-1221	XPS	

SET ZA BOČNI ČEP PROZORSKE KLUPICE 301.006
SET FOR SIDE CAP OF WINDOW SILL 301.006

1. - Osnovni profil
2. - PVC prihvatnik klupice
3. - Vanjski čep-prihvatnik klupice i profila
1. - Basic profile
2. - PVC window sill acceptor
3. - Outside cap - sill and profile acceptor

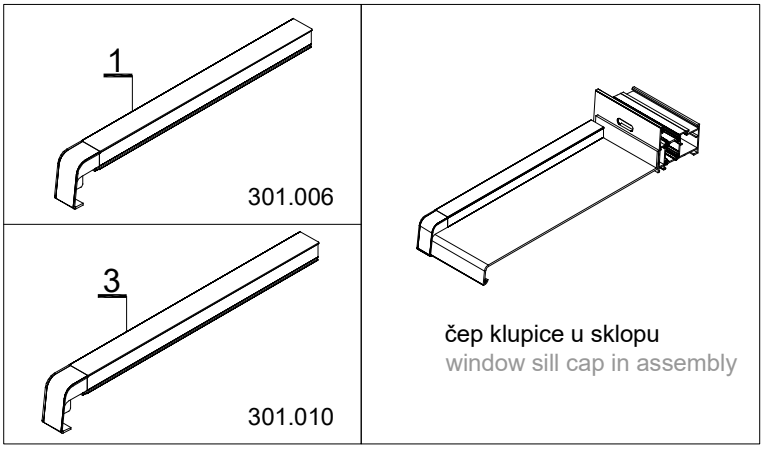


1 - Set za bočni čep klupice 301.006
2 - Set za bočni čep klupice 301.009
3 - Set za bočni čep klupice 301.010

-Setovi bočnih čepova 301.006 i 301.009 su u veličini profila klupice F-0680/J (280 mm)
-Za manje klupice se radi skraćivanje čepa prema mjerama u uputstvu artikla
-Set za bočni čep 301.010 - (360 mm)
-Izbor boje čepova prema RAL-karti

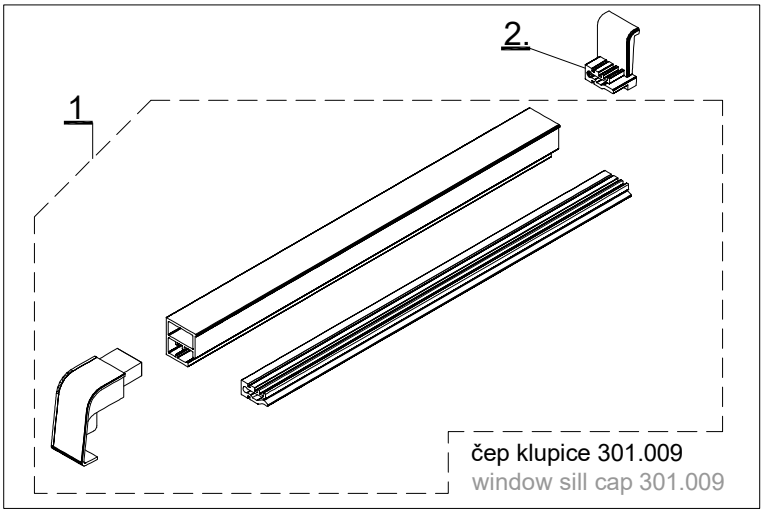
1 - Set for side cap of window sill 301.006
2 - Set for side cap of window sill 301.009
3 - Set for side cap of window sill 301.010

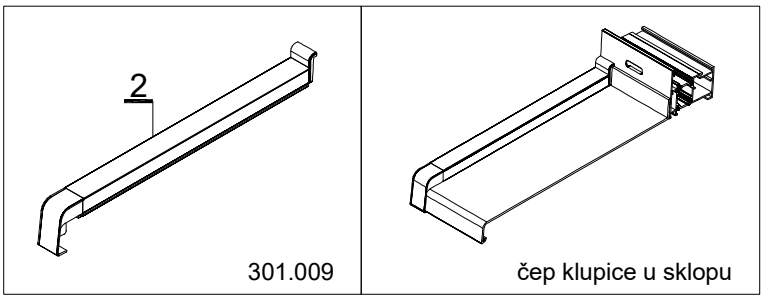
-Side cap set 301.006 and 301.009 are in size of window sill profile F-0680/J (280 mm)
-For smaller window sills side caps are shorten according to article dimensions
-Set for side cap 301.010 - (360 mm)
-Selection of cap colour according to RAL-map

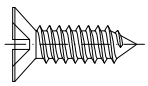


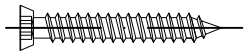
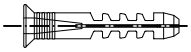
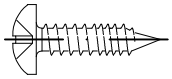
SET ZA BOČNI ČEP PROZORSKE KLUPICE 301.009
SET FOR SIDE CAP OF WINDOW SILL 301.009

1 - Set klupice 301.006
2. - Čep do otvora-prihvatnik klupice i profila
1 - Window sill set 301.006
2. - Cap next to the opening - Window sill and profile acceptor



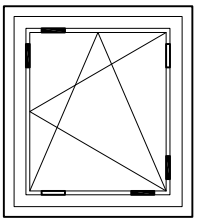
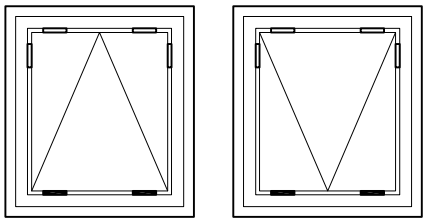
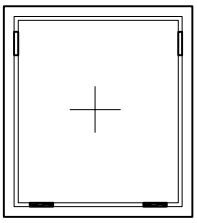
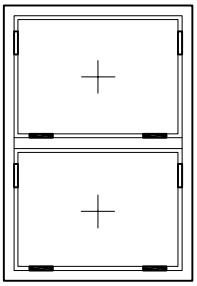
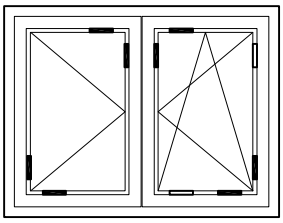
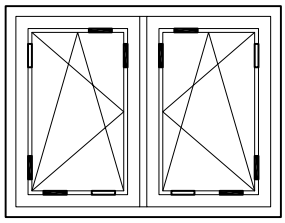
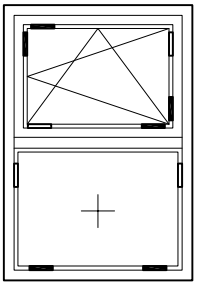
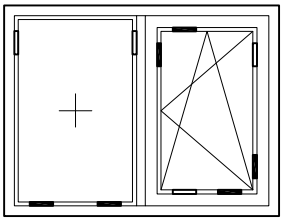
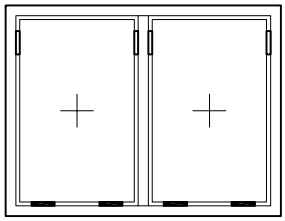
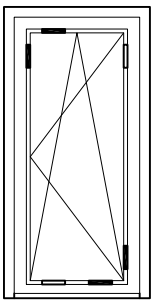


Oznaka Code	Opis Description	Izgled-presjek View-cross section	Materijal Material	Napomena Remark
433.008	vijak 3.5x32 DIN 7981 screw 3.5x32 DIN 7981		Inox A2	
433.017	vijak 3.9x16 DIN 7981 screw 3.9x16 DIN 7981		Inox A2	
433.018	vijak 3.9x19 DIN 7981 screw 3.9x19 DIN 7981		Inox A2	
433.019	vijak 3.9x22 DIN 7981 screw 3.9x22 DIN 7981		Inox A2	
433.020	vijak 3.9x25 DIN 7981 screw 3.9x25 DIN 7981		Inox A2	
433.021	vijak 3.9x32 DIN 7981 screw 3.9x32 DIN 7981		Inox A2	
433.022	vijak 3.9x38 DIN 7981 screw 3.9x38 DIN 7981		Inox A2	
433.023	vijak 3.9x45 DIN 7981 screw 3.9x45 DIN 7981		Inox A2	
433.042	vijak 4.8x16 DIN 7981 screw 4.8x16 DIN 7981		Inox A2	
433.051	vijak 4.8x70 DIN 7981 screw 4.8x70 DIN 7981		Inox A2	
433.052	vijak 4.8x80 DIN 7981 screw 4.8x80 DIN 7981		Inox A2	
433.053	vijak 4.8x90 DIN 7981 screw 4.8x90 DIN 7981			
433.095	vijak 3.5x25 DIN 7982 screw 3.5x25 DIN 7982		Inox A2	
433.108	vijak 3.9x25 DIN 7982 screw 3.9x25 DIN 7982		Inox A2	
433.109	vijak 3.9x32 DIN 7982 screw 3.9x32 DIN 7982		Inox A2	
433.129	vijak 4.8x16 DIN 7982 screw 4.8x16 DIN 7982		Inox A2	
433.132	vijak 4.8x25 DIN 7982 screw 4.8x25 DIN 7982		Inox A2	
433.133	vijak 4.8x32 DIN 7982 screw 4.8x32 DIN 7982		Inox A2	
433.134	vijak 4.8x38 DIN 7982 screw 4.8x38 DIN 7982		Inox A2	
433.135	vijak 4.8x45 DIN 7982 screw 4.8x45 DIN 7982		Inox A2	
433.136	vijak 4.8x50 DIN 7982 screw 4.8x50 DIN 7982		Inox A2	
433.137	vijak 4.8x60 DIN 7982 screw 4.8x60 DIN 7982		Inox A2	
433.150	vijak 5.5x38 DIN 7982 screw 5.5x38 DIN 7982		Inox A2	

Oznaka Code	Opis Description	Izgled-presjek View-cross section	Materijal Material	Napomena Remark
430.117	tiplo sa vijkom (fischer SXS 10 x 80 T) Frame Fixing Screw (fischer SXS 10 x 80 T)		Inox A2	
430.183	turbo vijak (fischer FFS 7.5 x 52) turbo screw (fischer FFS 7.5 x 52)		Inox A2	
430.184	turbo vijak (fischer FFS 7.5 x 62) turbo screw (fischer FFS 7.5 x 62)		Inox A2	
430.188	udarna tipla sa vijkom (fischer N5x30 S) hammer fix plugs with pre-fitted nails (fischer N5x30 S)		Inox A2	
433.208	vijak za drvo 4x16 sa ravnom glavom i PZ prihvatom wood screw 4x16 with flat head PZ drive		Inox A2	
433.209	vijak za drvo 4x50 sa ravnom glavom i PZ prihvatom wood screw 4x50 with flat head PZ drive		Inox A2	

Prikaz stakljenja
Glazing

PREPORUKE ZA RASPORED PODMETAČA KOD UGRADNJE ELEMENATA ZA ISPUNU
RECOMMENDATION FOR PACKERS PLACEMENT BY INSTALLATION OF FILLINGS

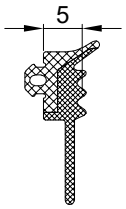
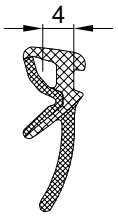











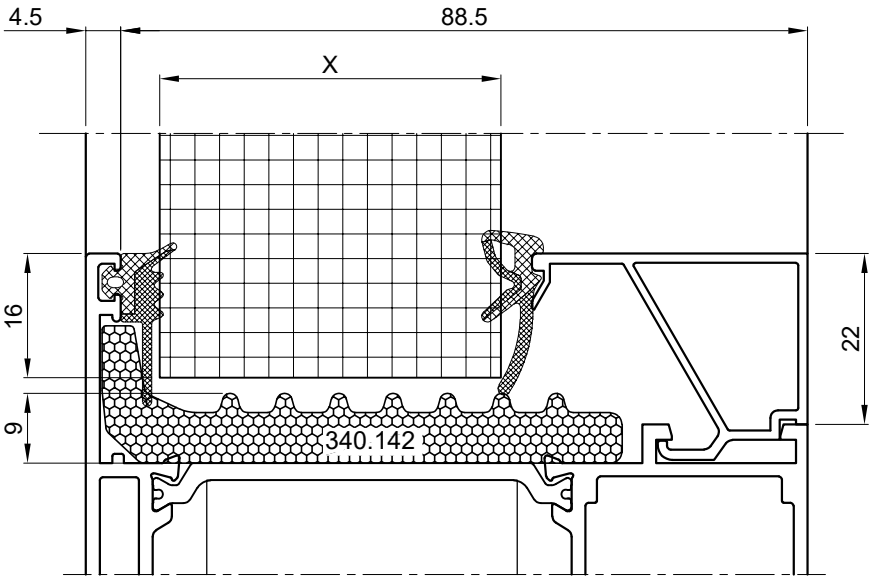
nosivi podmetač
support packer

odstojni podmetač
distance packer

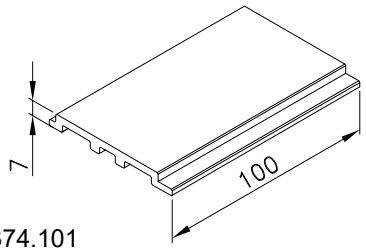
Materijal podmetača: PVC
Material packers: PVC

Otvarajuće
Opening

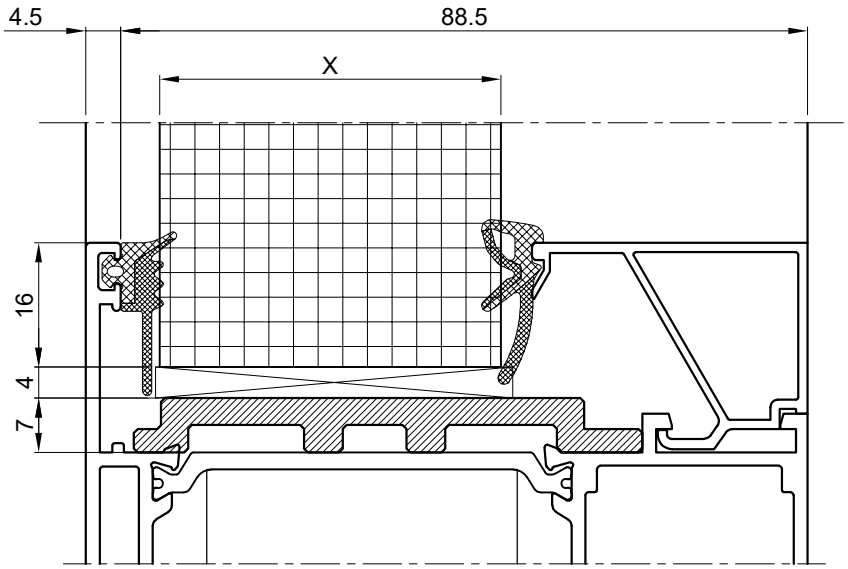
Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket
327.001	317.001
	

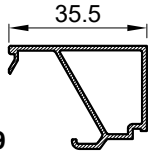
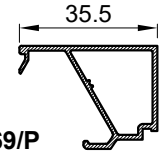
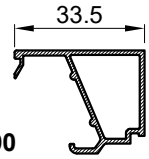


- PVC podmetač za staklo
- PVC glazing packers



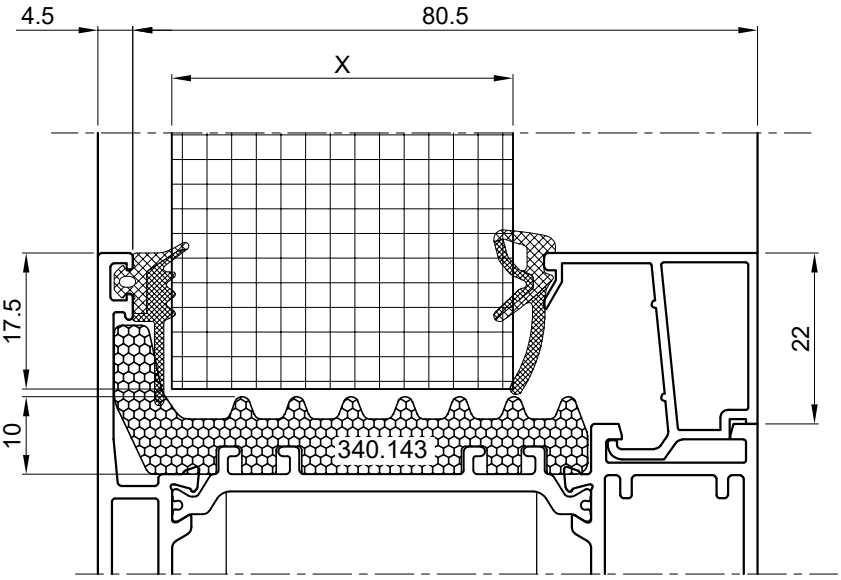
374.101

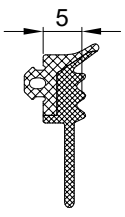
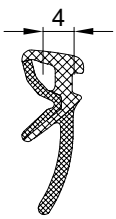


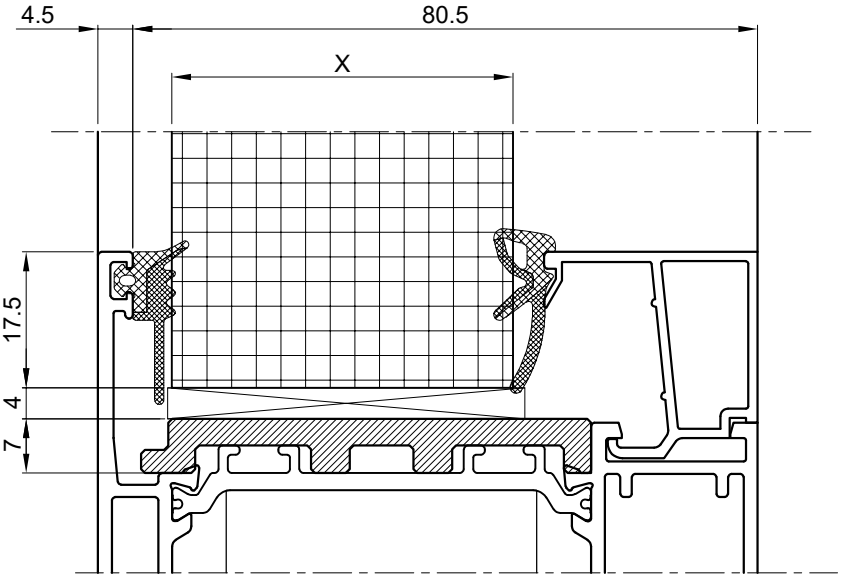
Ispuna X Fillings X	Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket	STAKLO LAJSNE GLAZING BEAD M1:2	
44	327.001	317.001	 **Z40-669**	 **Z40-669/P**
46	327.001	317.001	 **F-1590**	

Ispuna /Fillings : 44mm (4+16+4+16+4)
Ispuna /Fillings : 44mm (6+15+4+15+4)
Ispuna /Fillings : 46mm (6+16+4+16+4)
Ispuna /Fillings : 46mm (6+15+4+15+6)

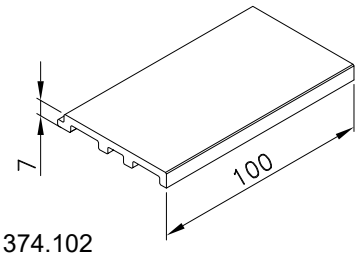
Fiksno
Fixed field



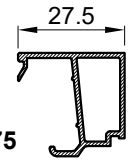
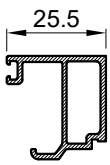
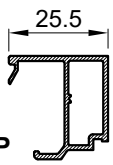
Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket
327.001	317.001
	



- PVC podmetač za staklo
- PVC glazing packers

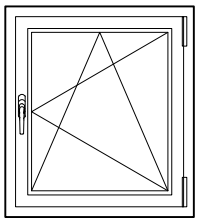
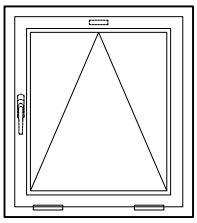
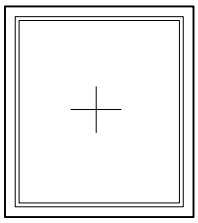
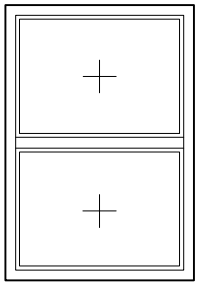
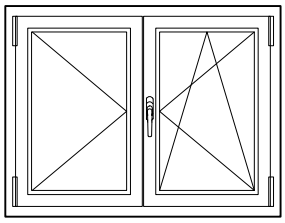
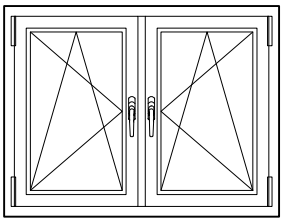
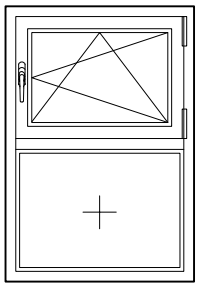
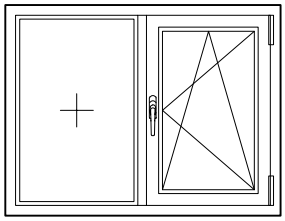
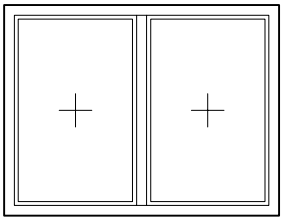
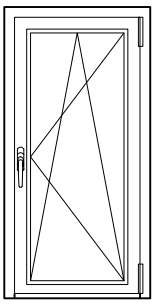
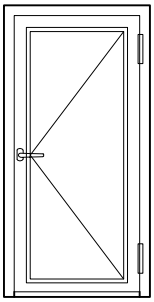
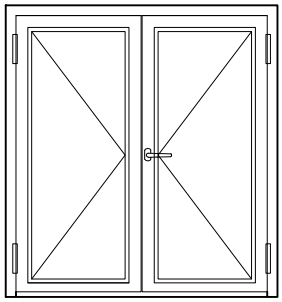
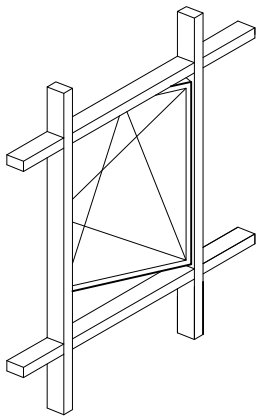


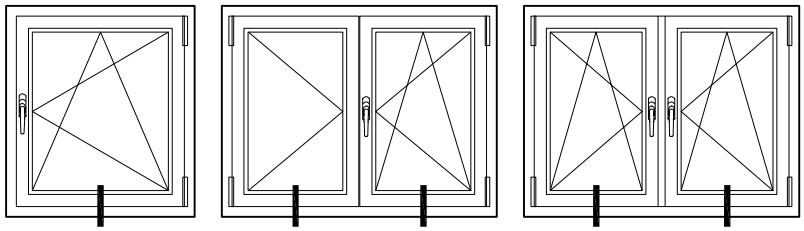
374.102

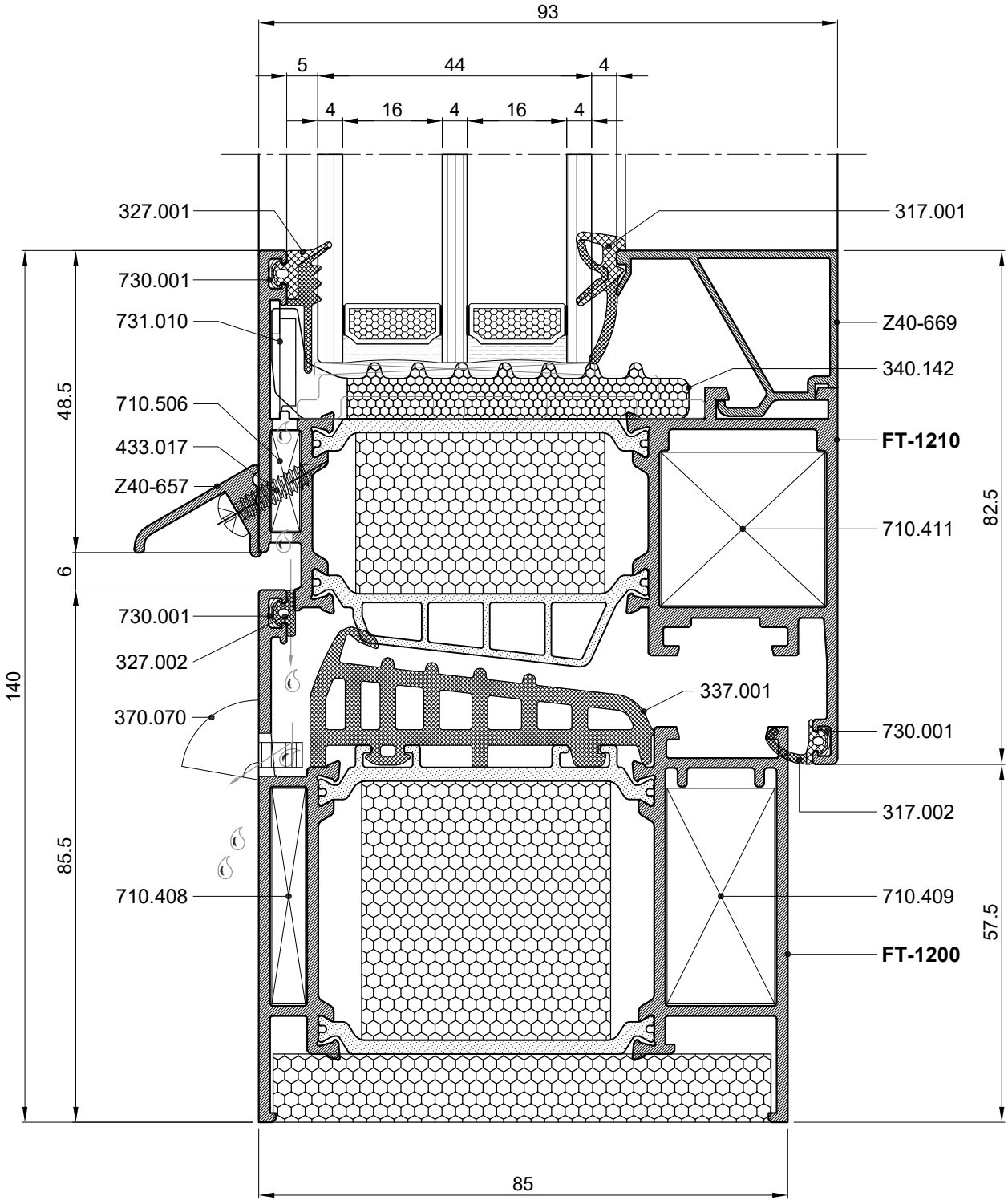
Ispuna X Fillings X	Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket	STAKLO LAJSNE GLAZING BEAD M1:2	
44	327.001	317.001	 **F-1575**	
46	327.001	317.001	 **Z40-667**	 **Z40-667/P**

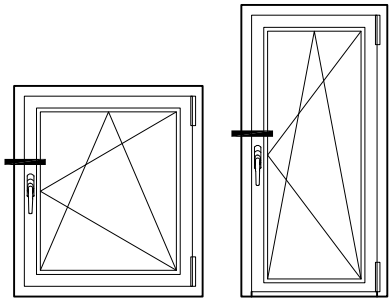
Ispuna /Fillings : 44mm (4+16+4+16+4)
Ispuna /Fillings : 44mm (6+15+4+15+4)
Ispuna /Fillings : 46mm (6+16+4+16+4)
Ispuna /Fillings : 46mm (6+15+4+15+6)

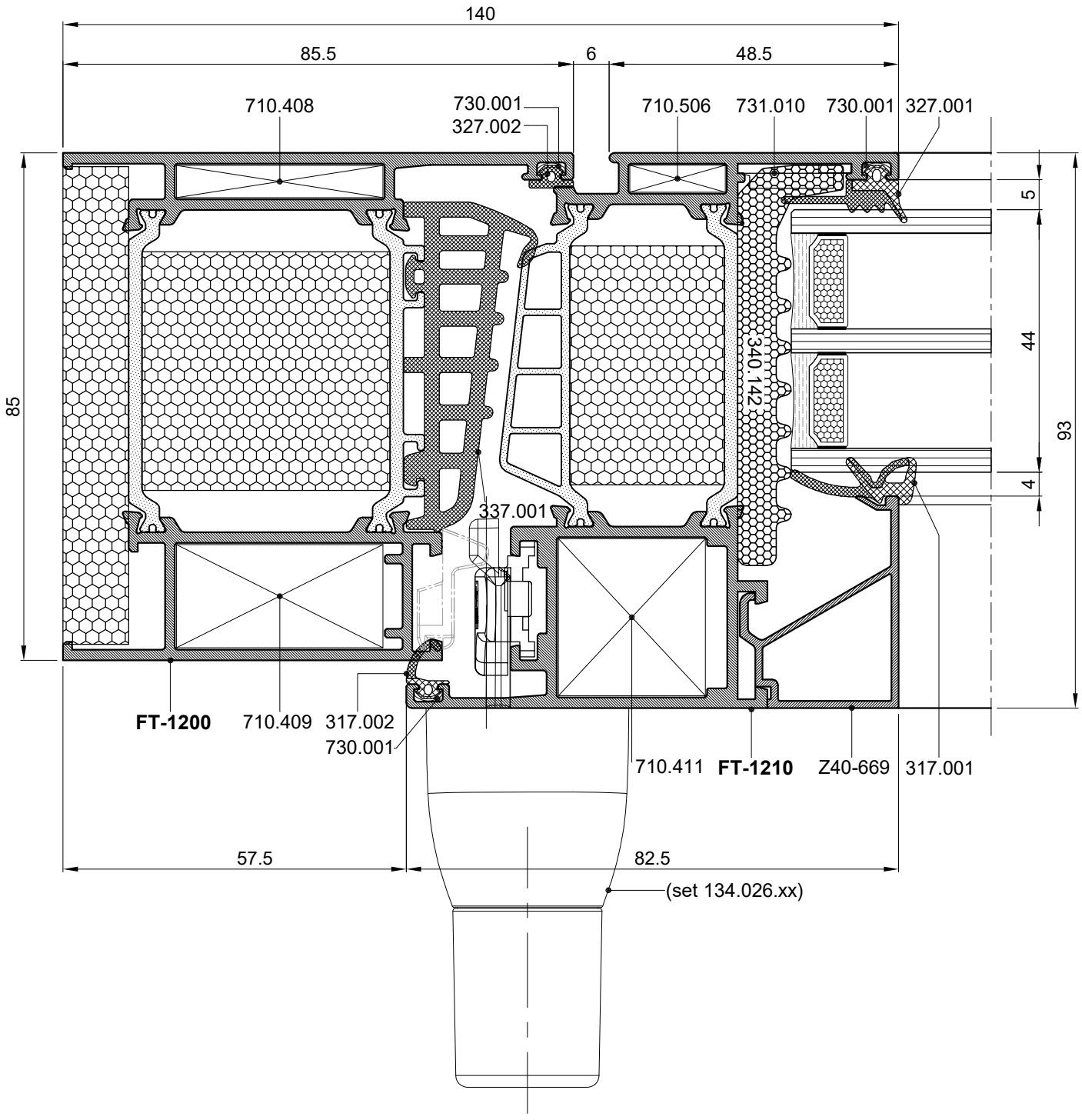
Presjeci
Cross sections

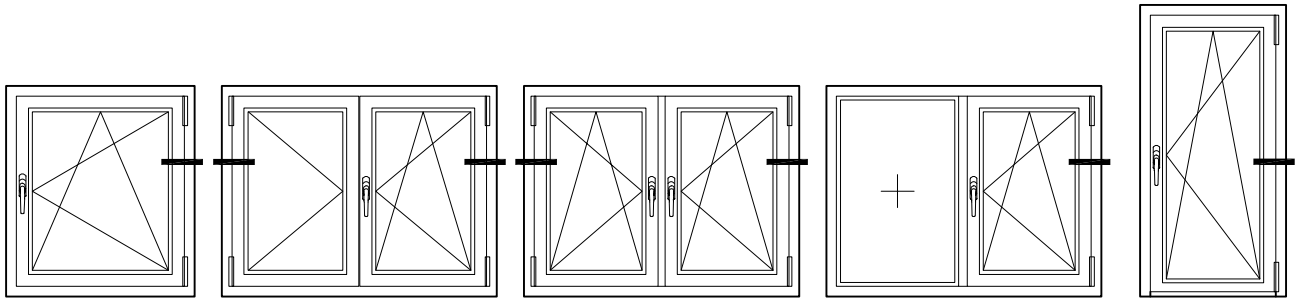














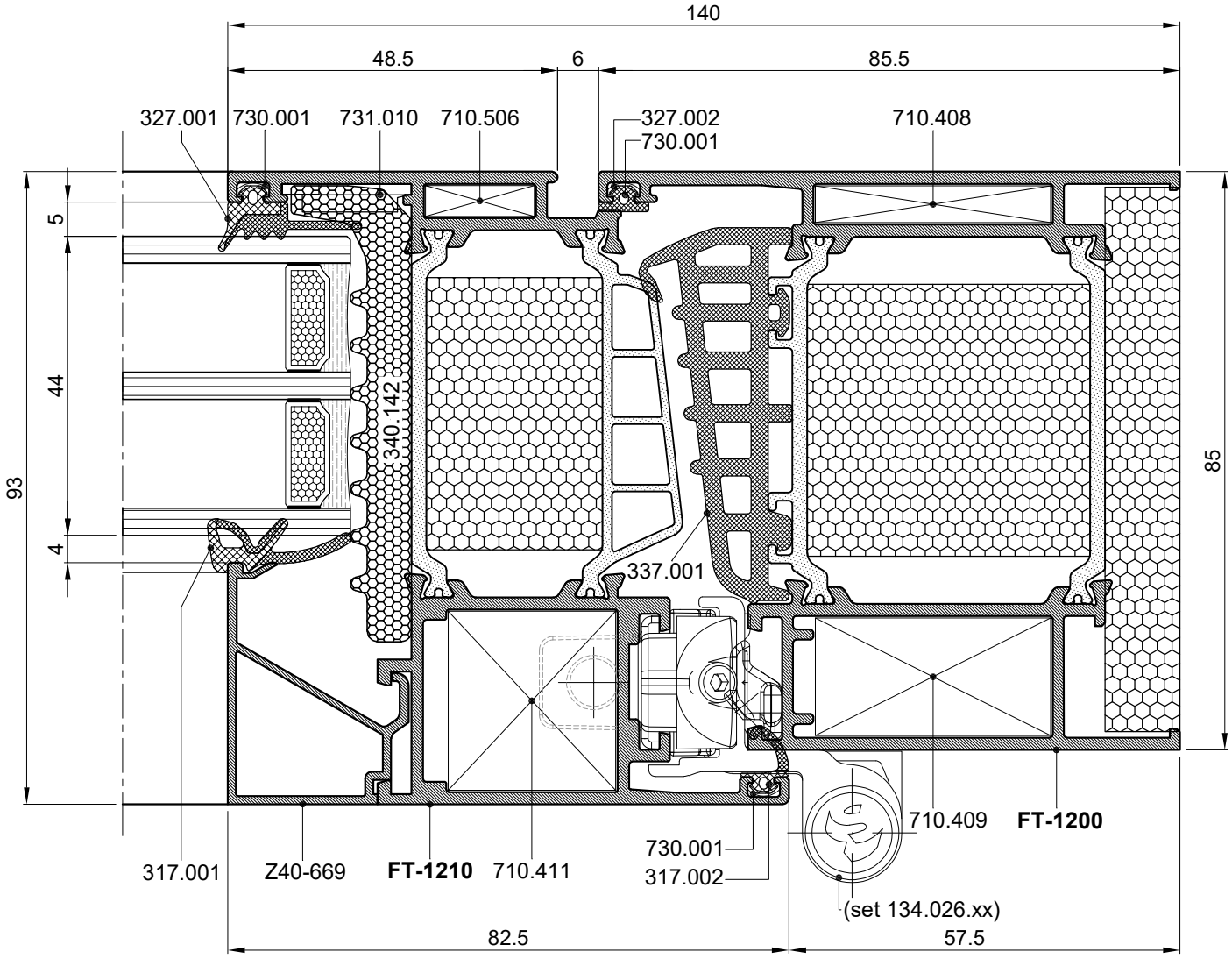


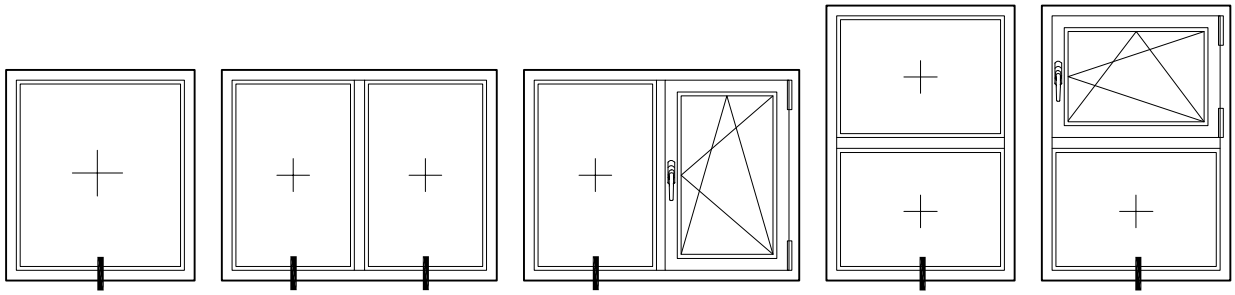

93
5
44
4
4
16
4
16
4
327.001
317.001
730.001
731.010
Z40-669
340.142
710.506
433.017
FT-1210
Z40-657
710.411
48.5
82.5
6
730.001
327.002
337.001
370.070
730.001
317.002
140
85.5
710.408
710.409
57.5
FT-1200
85

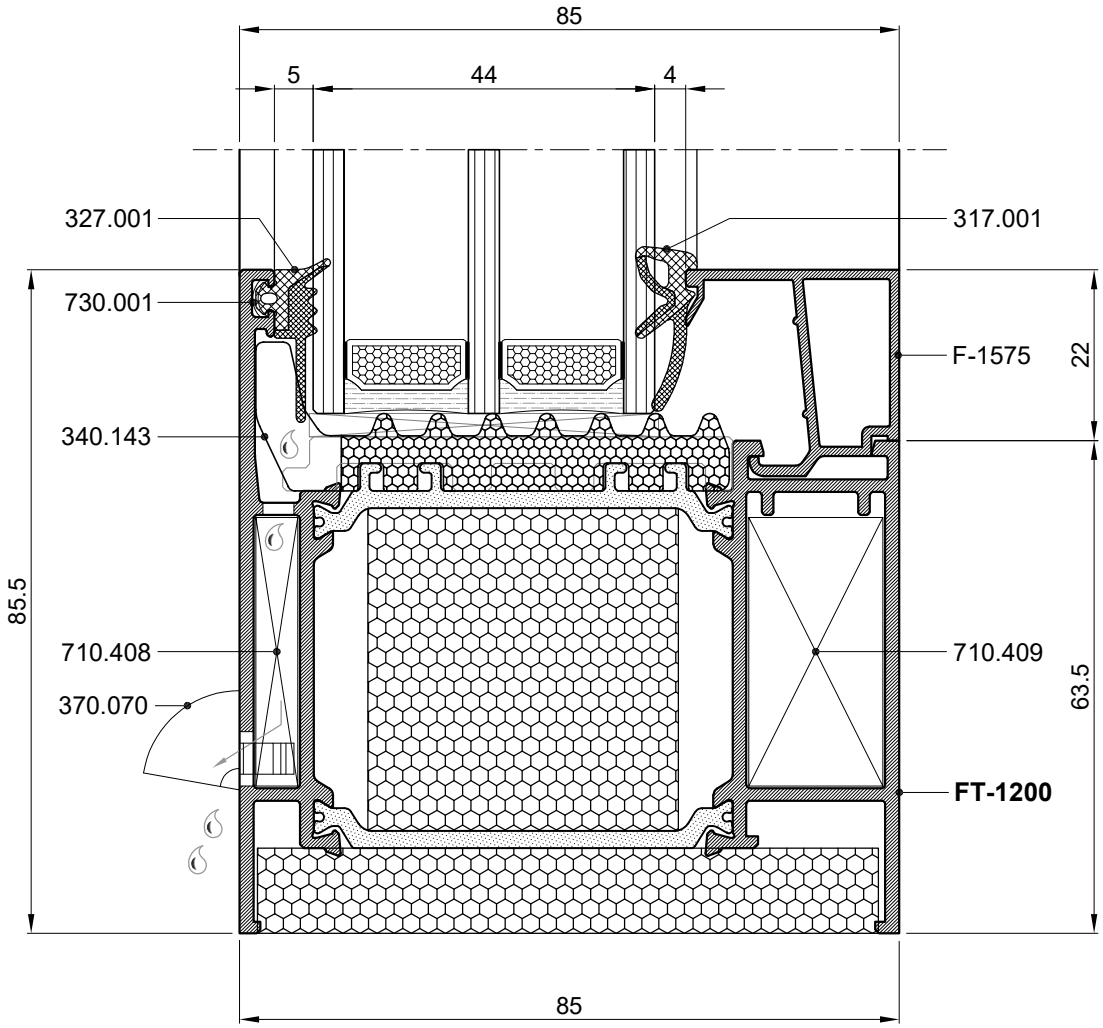


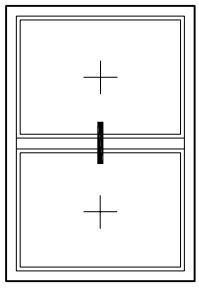

140
85.5
6
48.5
710.408
730.001
327.002
710.506
731.010
730.001
327.001
5
44
4
93
85
340.142
337.001
FT-1200
710.409
317.002
730.001
710.411
FT-1210
Z40-669
317.001
57.5
82.5
(set 134.026.xx)

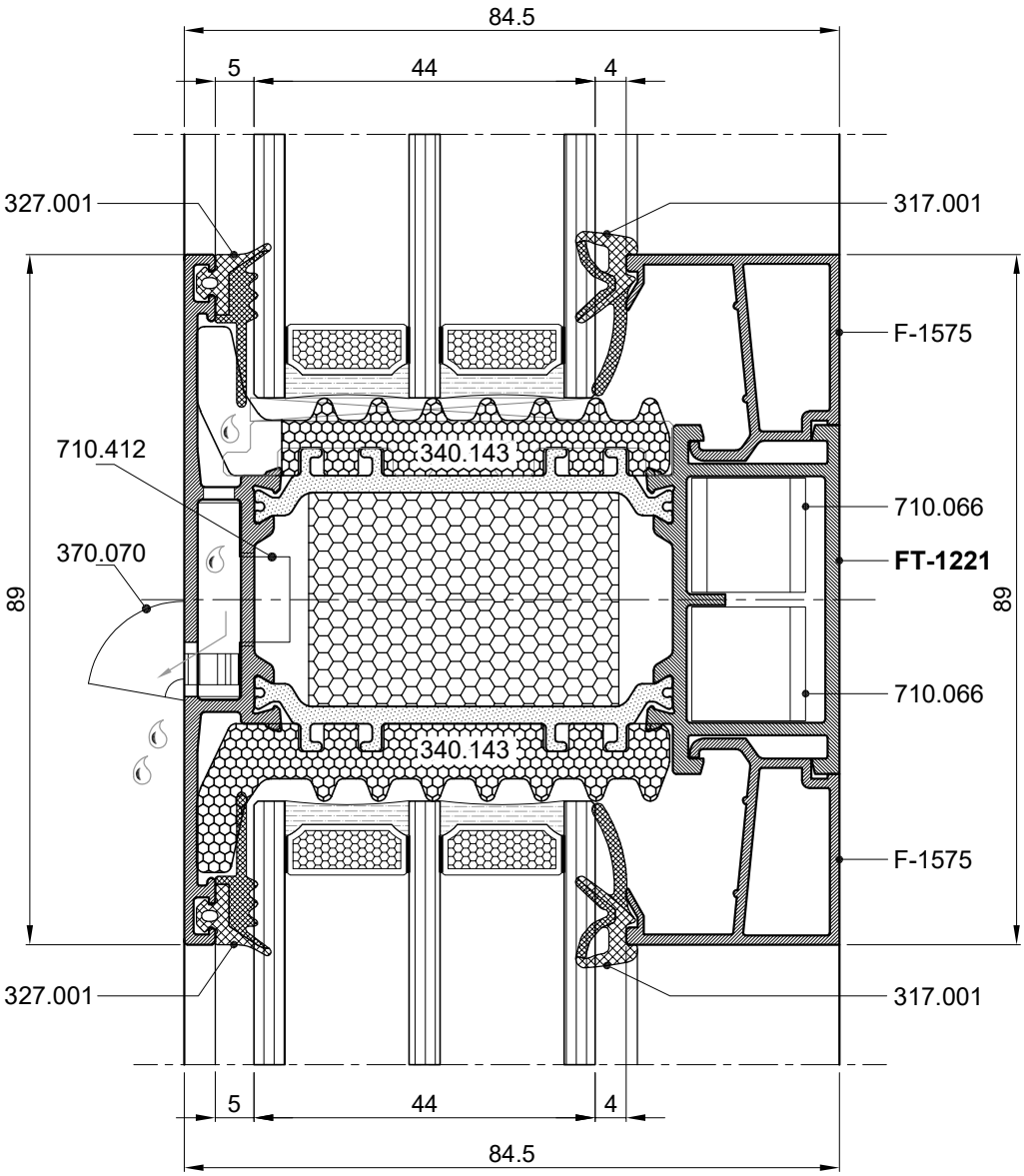


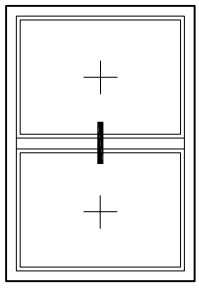

140
48.5
6
85.5
327.001
730.001
731.010
710.506
327.002
730.001
710.408
5
44
4
93
85
340.142
337.001
317.001
Z40-669
FT-1210
710.411
730.001
317.002
710.409
FT-1200
(set 134.026.xx)
82.5
57.5

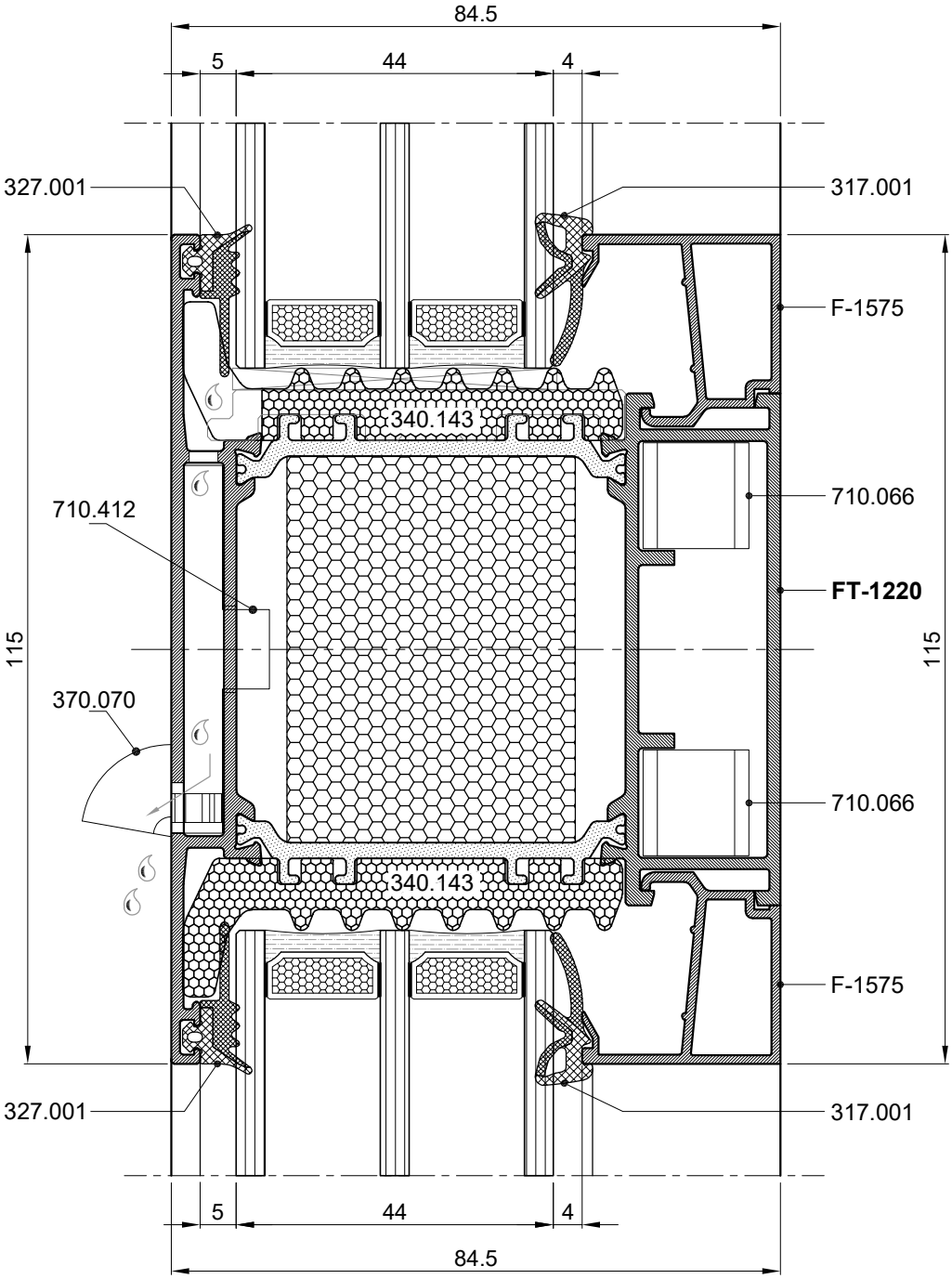


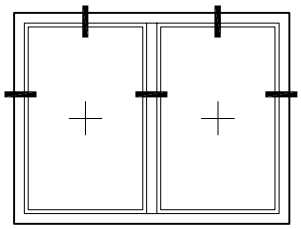

85
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44
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327.001
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F-1575
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340.143
85.5
710.408
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370.070
63.5
FT-1200
85

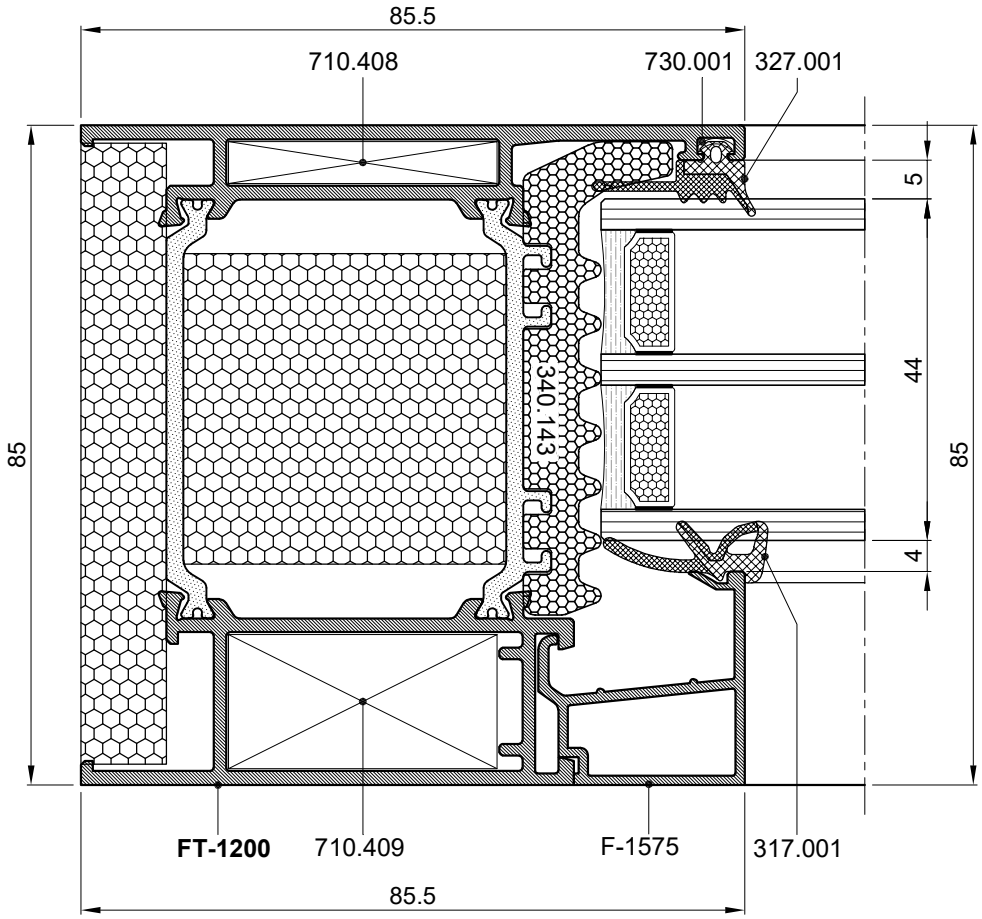


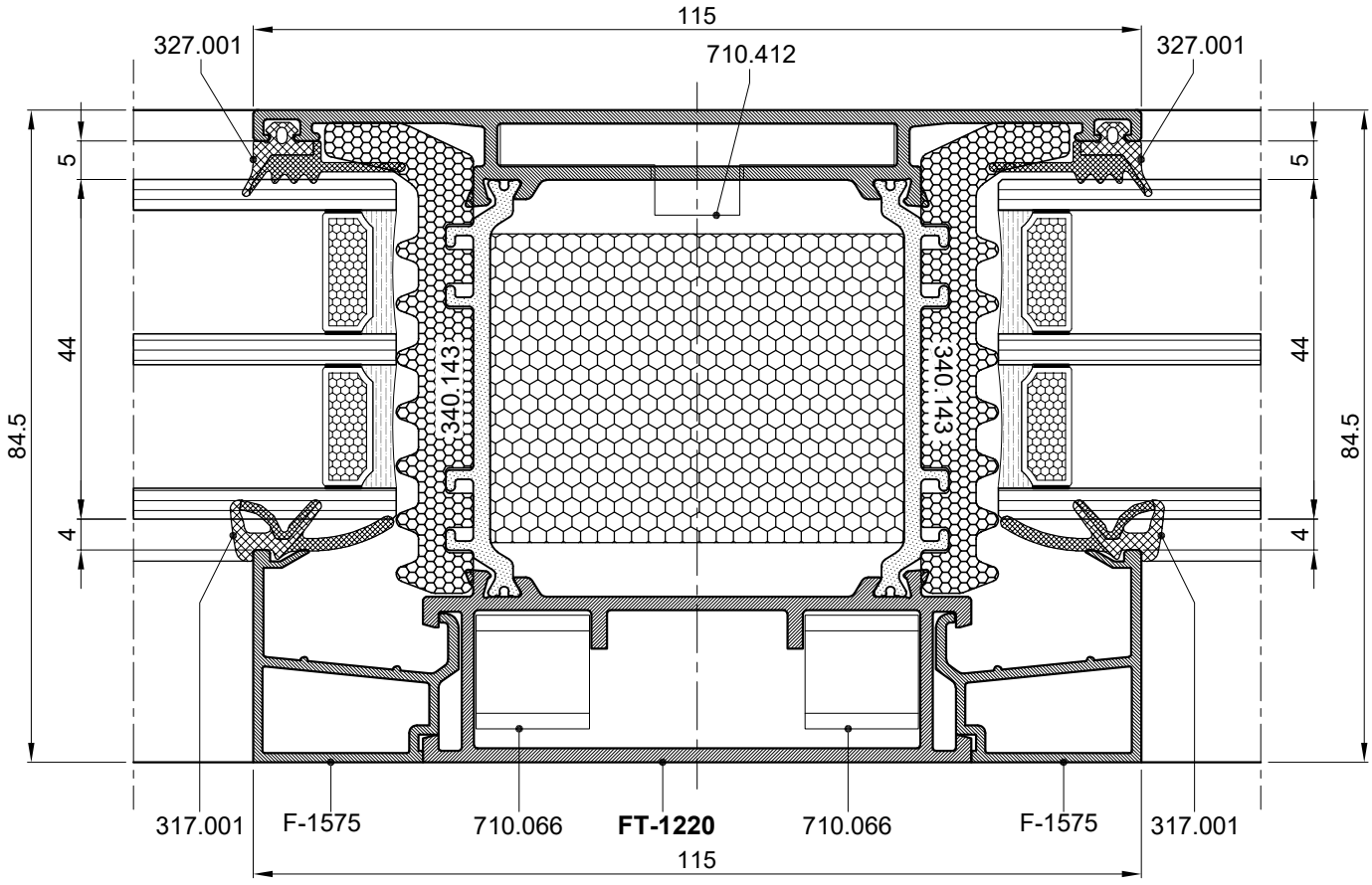

84.5
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327.001
317.001
F-1575
710.412
340.143
710.066
370.070
FT-1221
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89
710.066
340.143
F-1575
327.001
317.001
5
44
4
84.5

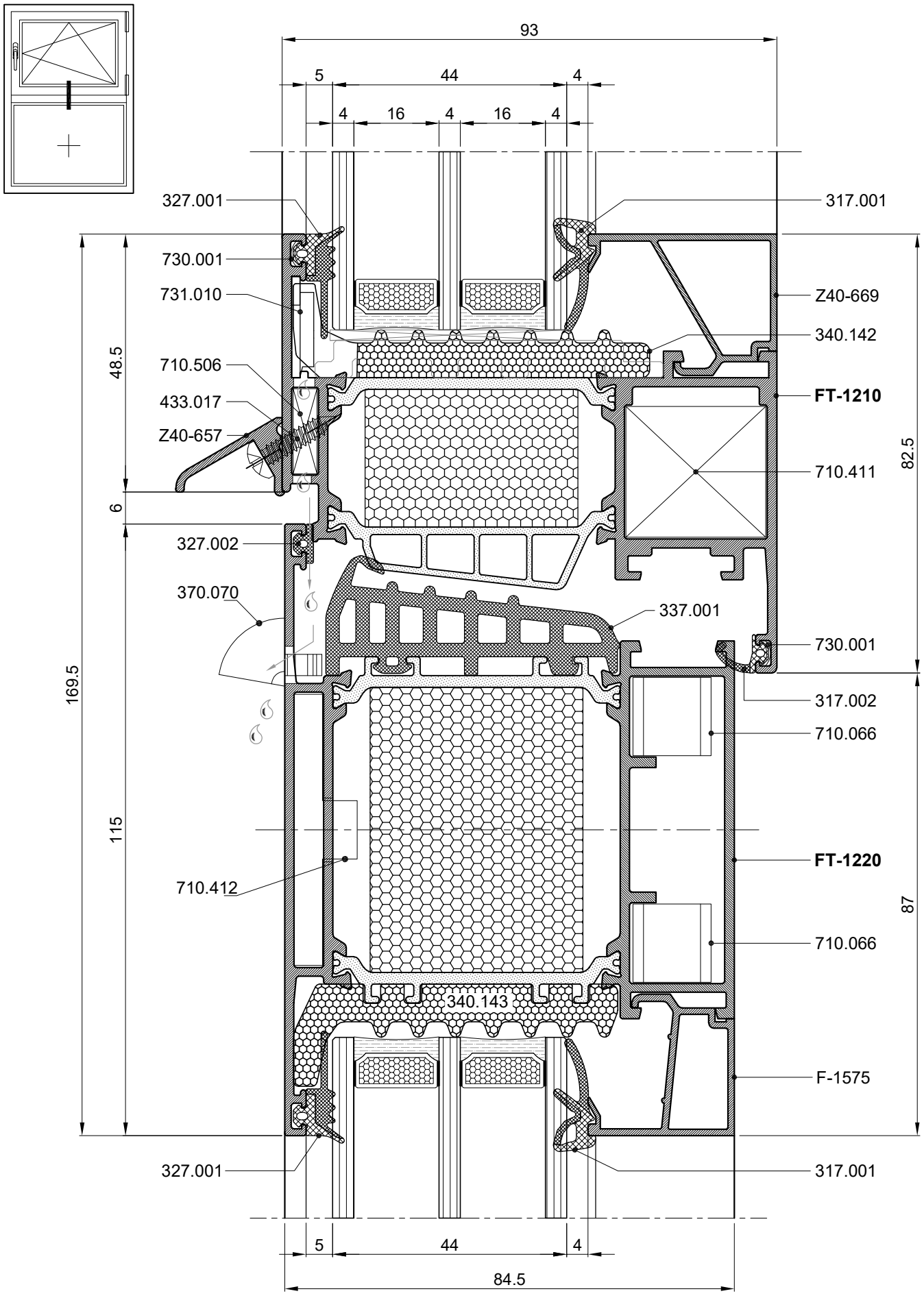


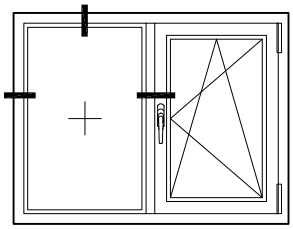

84.5
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317.001
F-1575
340.143
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317.001
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84.5

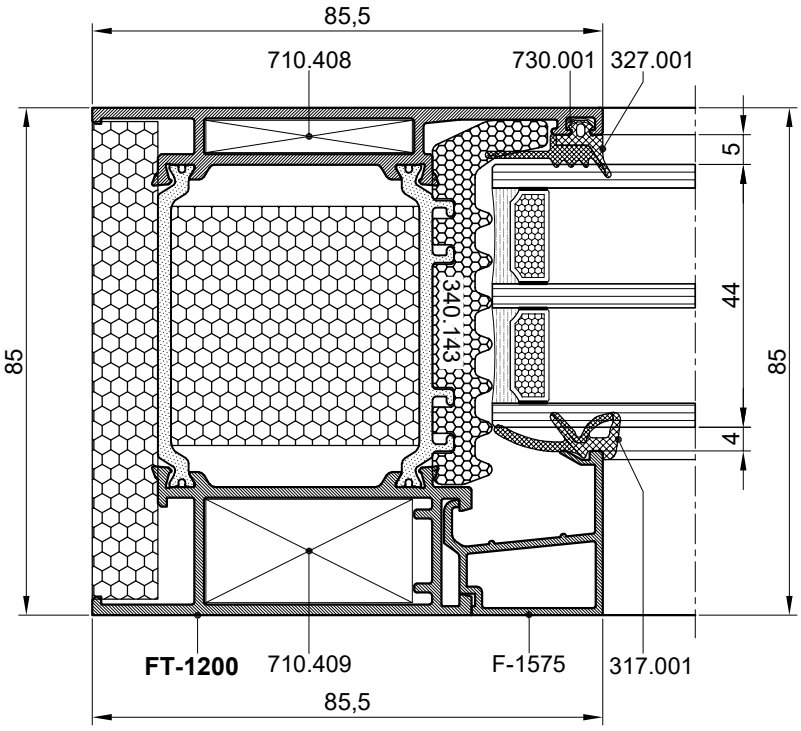


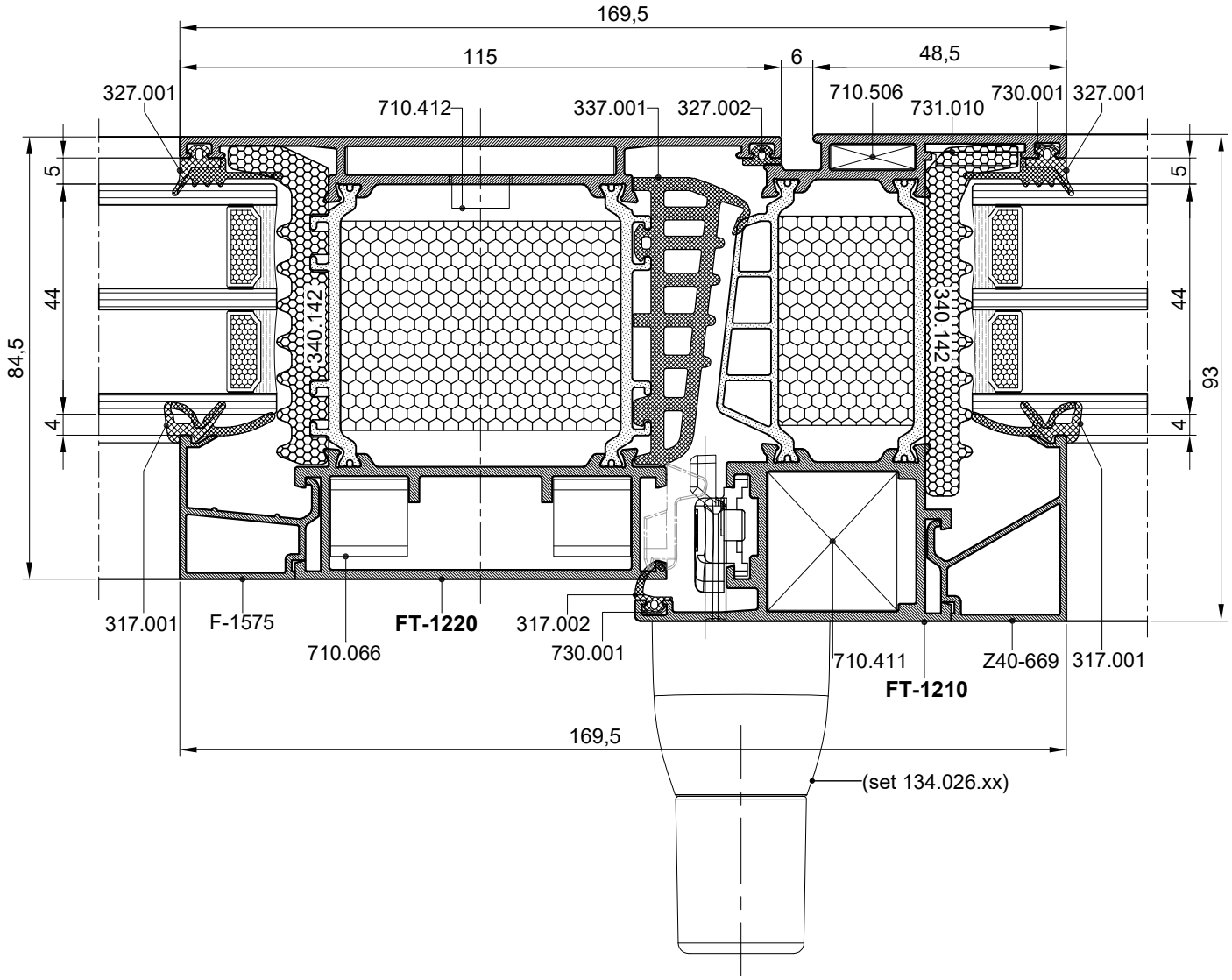

85.5
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340.143
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F-1575
317.001
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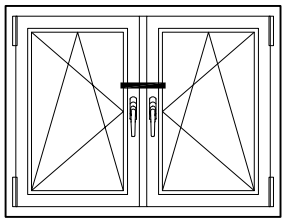

115
327.001
710.412
327.001
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4
84.5
84.5
340.143
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317.001
F-1575
710.066
FT-1220
710.066
F-1575
317.001
115

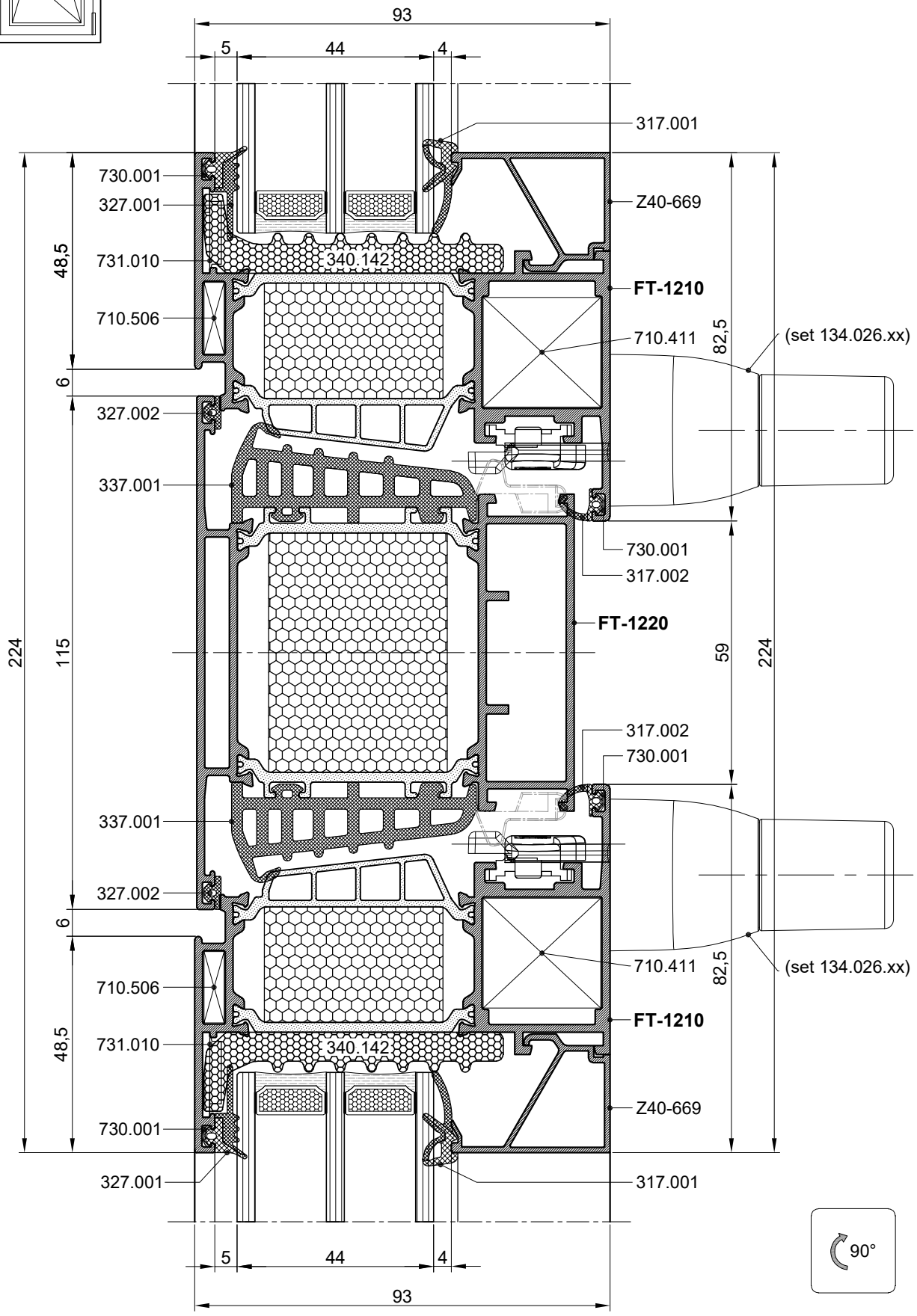

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Z40-657
FT-1210
710.411
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327.002
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730.001
317.002
710.066
169.5
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FT-1220
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340.143
F-1575
327.001
317.001
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44
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84.5

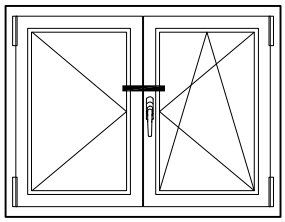


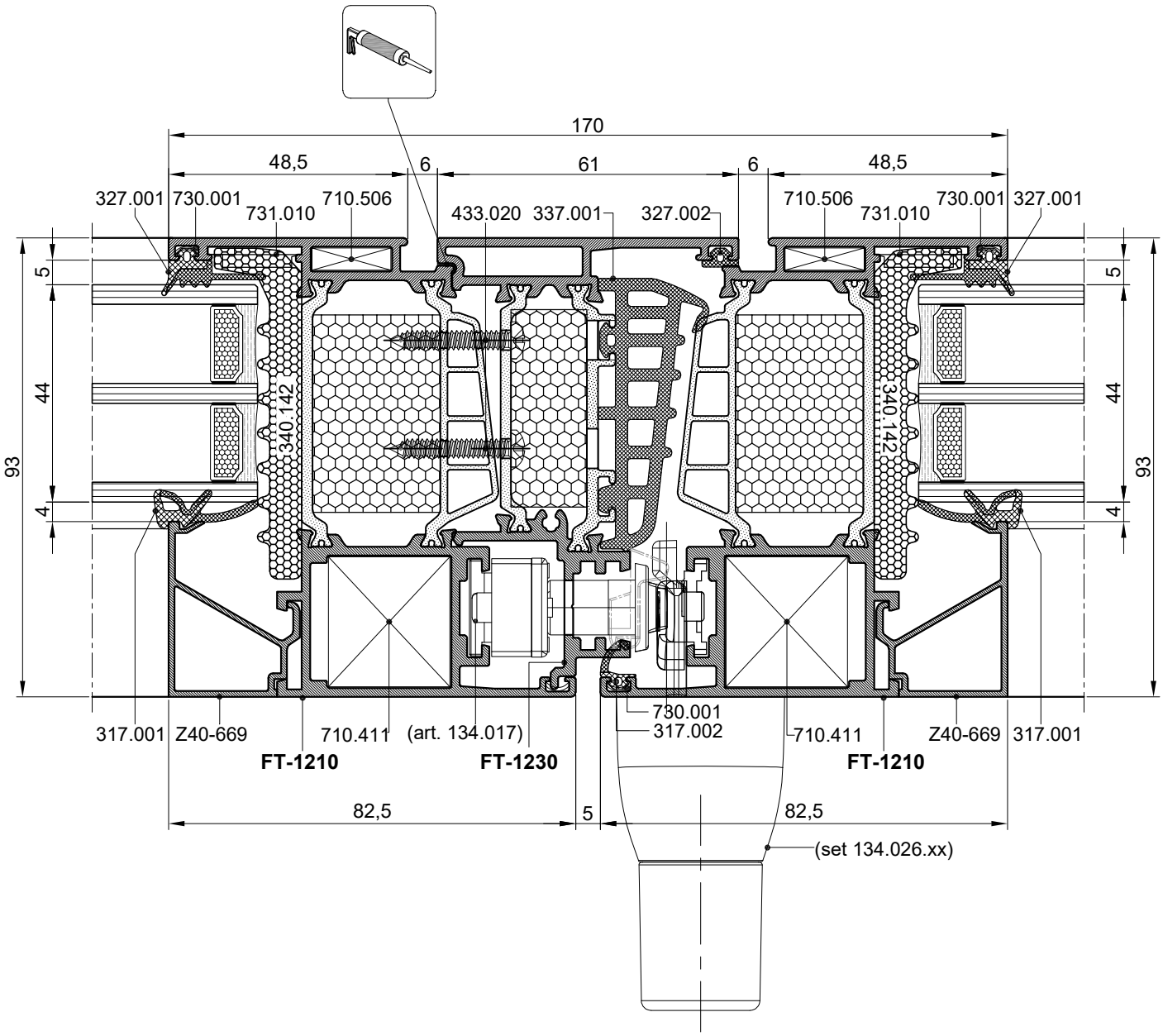

85,5
710.408
730.001
327.001
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85
340.143
FT-1200
710.409
F-1575
317.001
85,5


169,5
115
6
48,5
327.001
710.412
337.001
327.002
710.506
731.010
730.001
327.001
5
44
4
84,5
340.142
93
317.001
F-1575
710.066
FT-1220
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730.001
710.411
FT-1210
Z40-669
317.001
169,5
(set 134.026.xx)



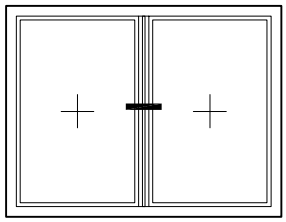

93
5
44
4
317.001
730.001
327.001
731.010
340.142
710.506
Z40-669
FT-1210
710.411
82,5
(set 134.026.xx)
48,5
6
327.002
337.001
730.001
317.002
FT-1220
224
115
59
224
317.002
730.001
337.001
327.002
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(set 134.026.xx)
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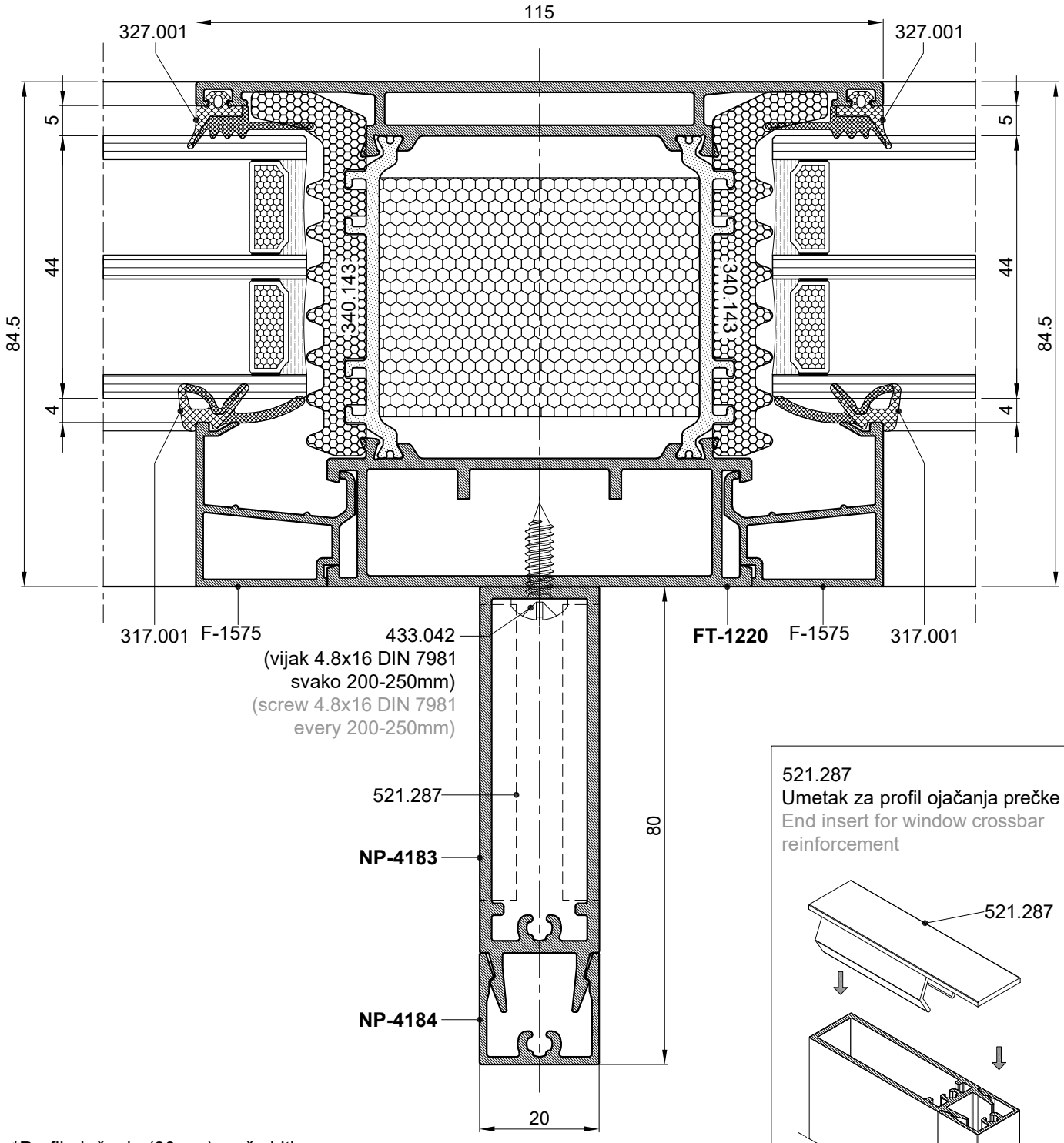






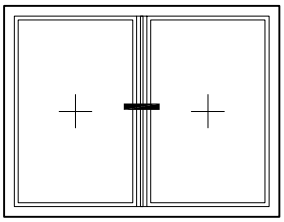
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

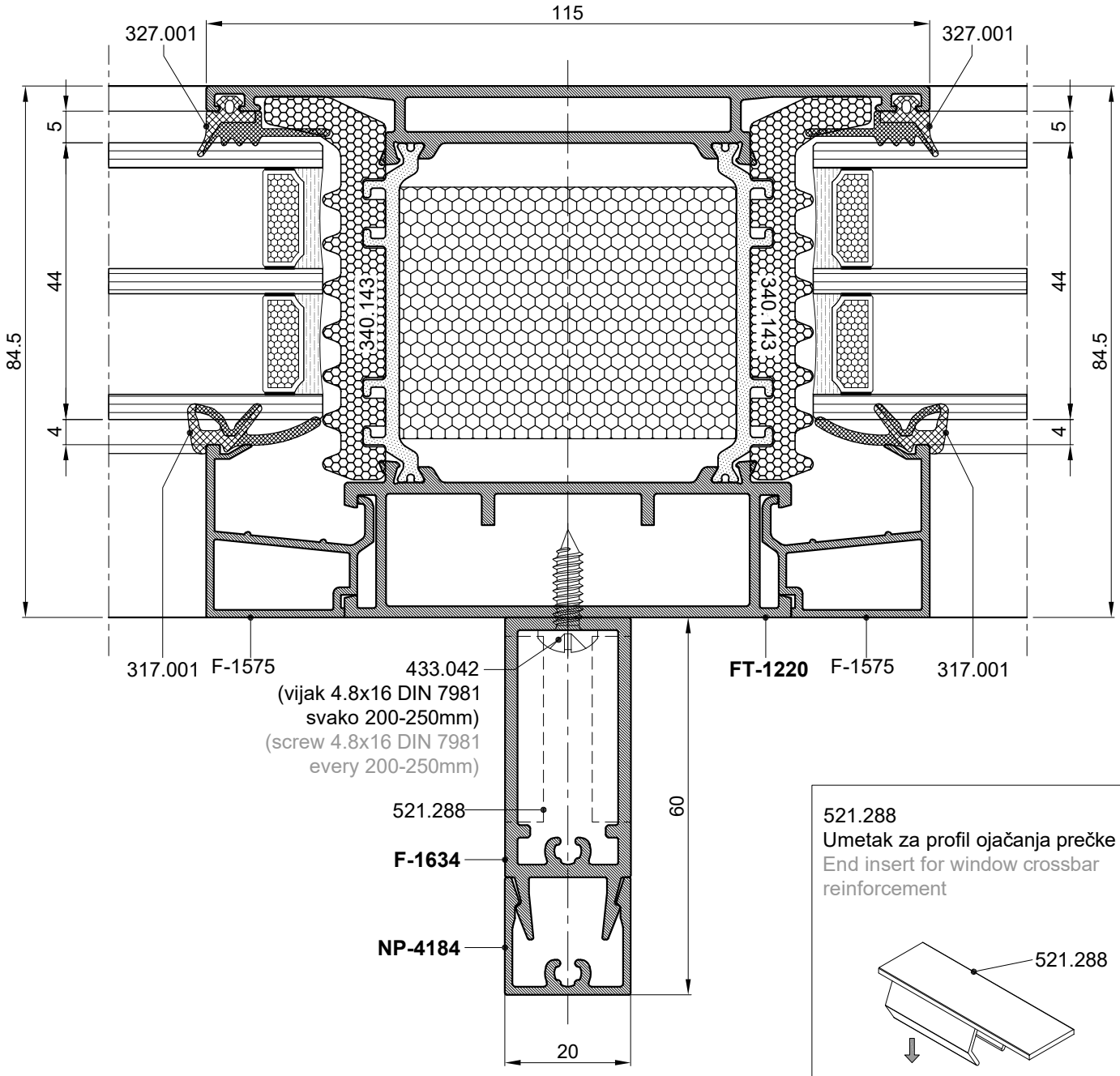




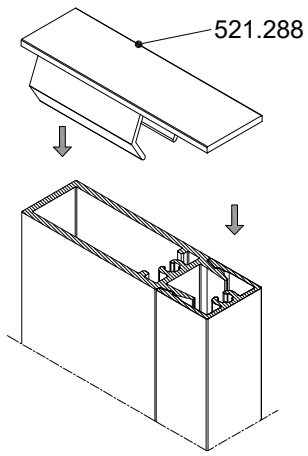
521.287
Umetak za profil ojačanja prečke
End insert for window crossbar reinforcement

*Profil ojačanja (80mm) može biti sa unutarnje ili vanjske strane.
The reinforcement profile (80mm) can be place on the inside or on the outside.

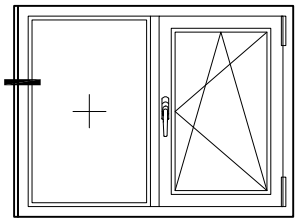


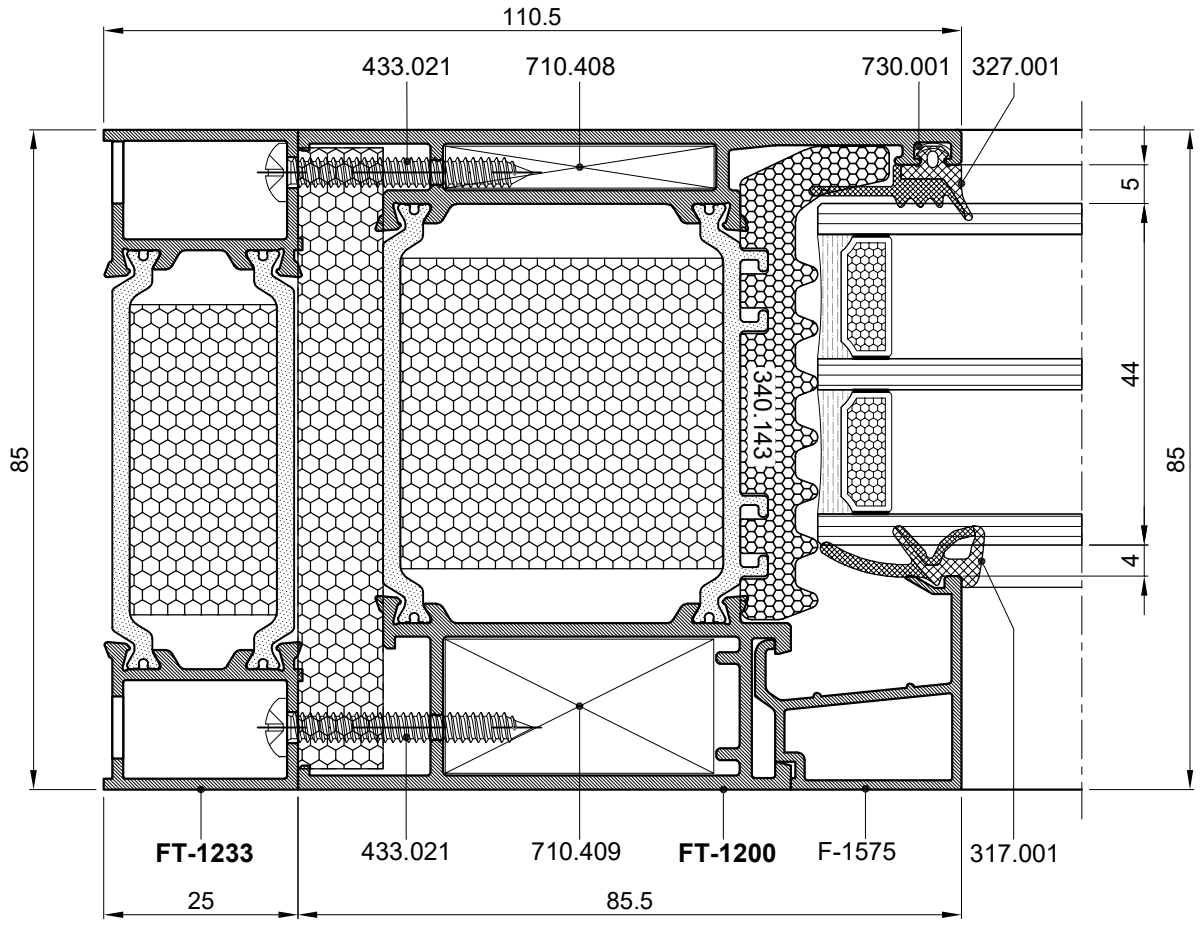


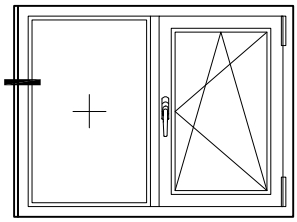
521.288
Umetak za profil ojačanja prečke
End insert for window crossbar reinforcement

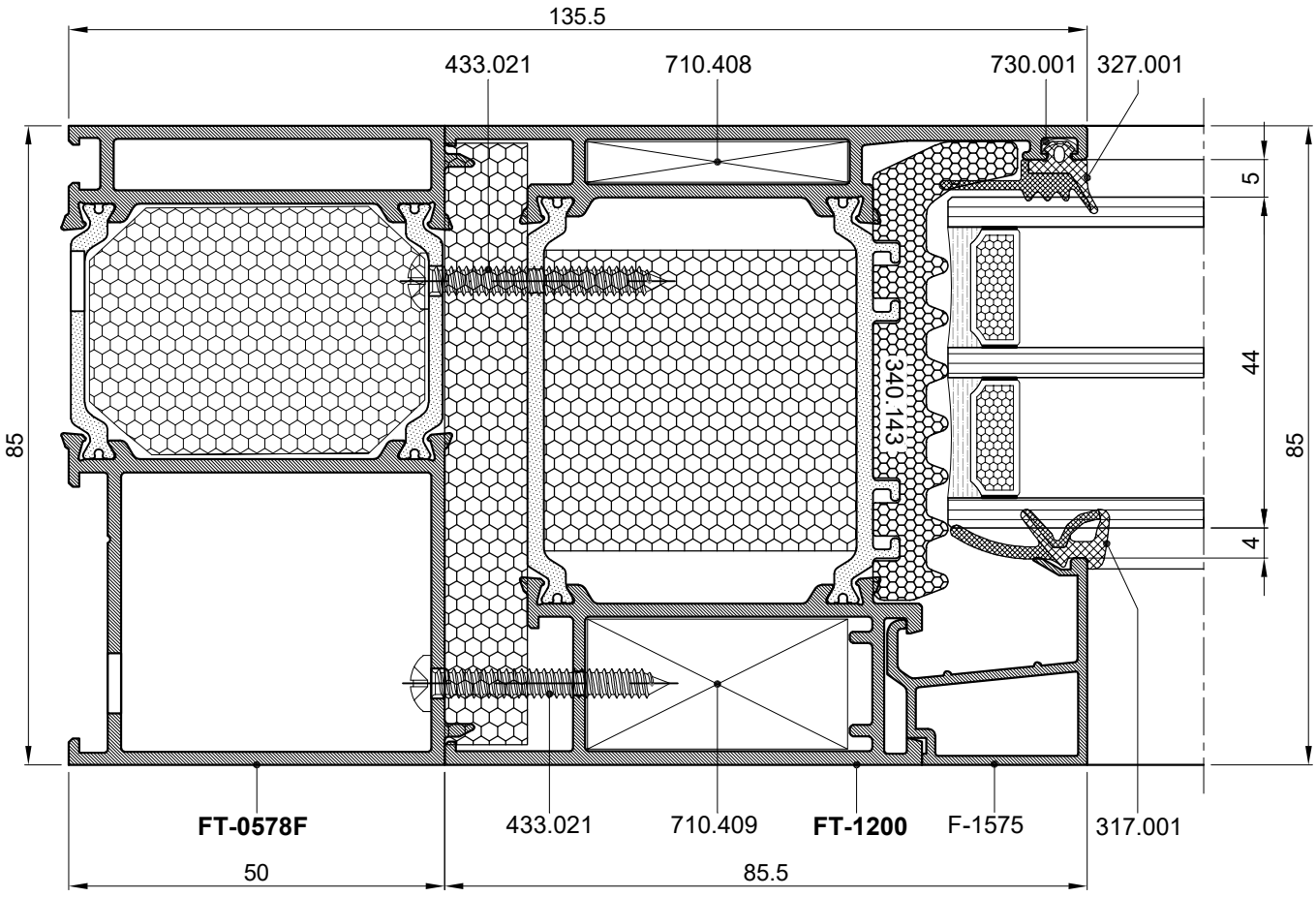


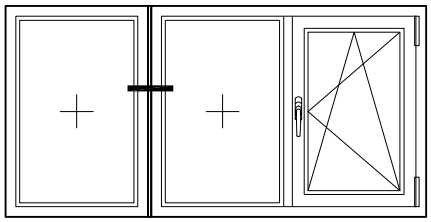
*Profil ojačanja (60mm) može biti sa unutarnje ili vanjske strane.
The reinforcement profile (60mm) can be place on the inside or on the outside.

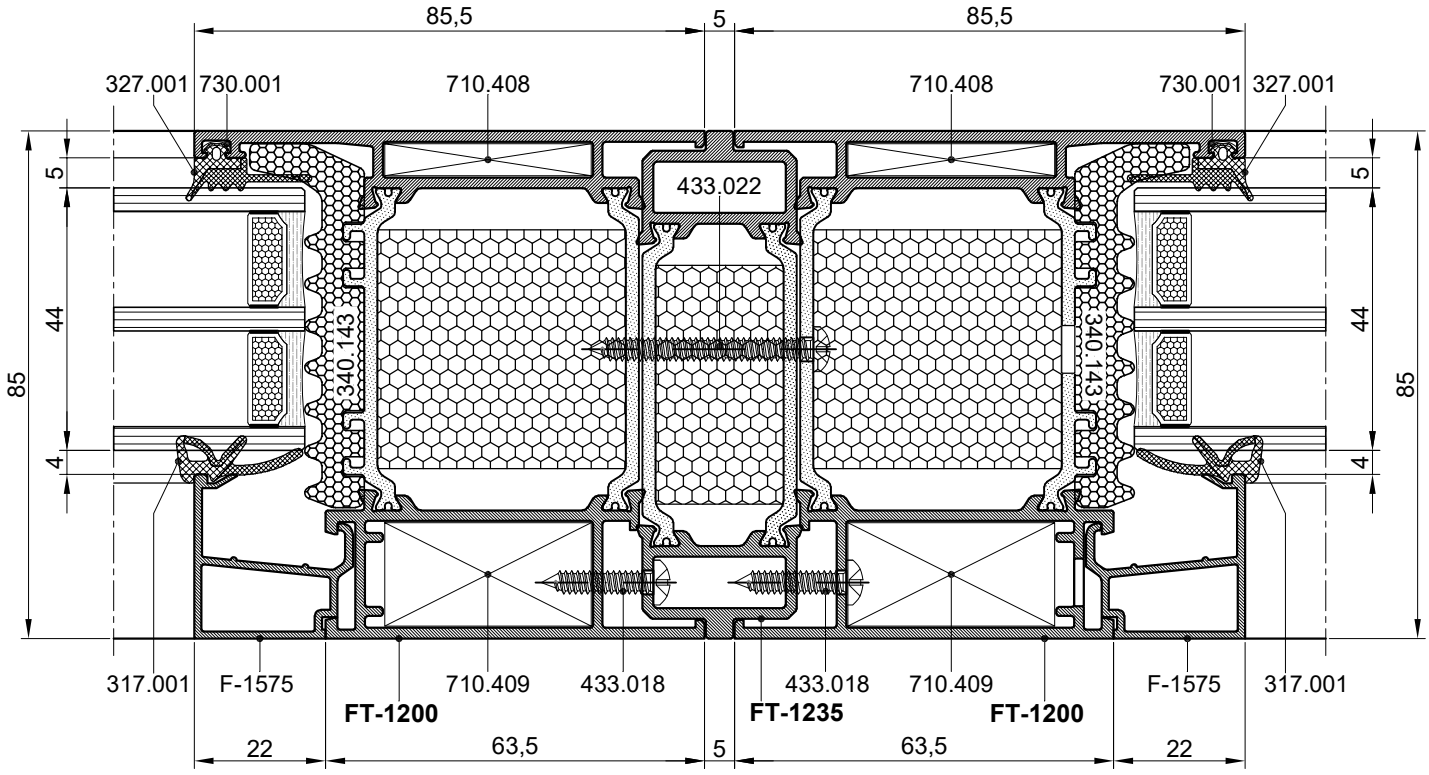



110.5
433.021
710.408
730.001
327.001
85
5
44
4
85
340.143
FT-1233
433.021
710.409
FT-1200
F-1575
317.001
25
85.5

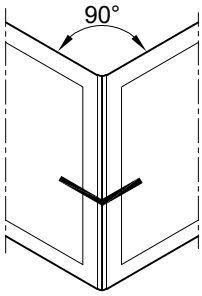


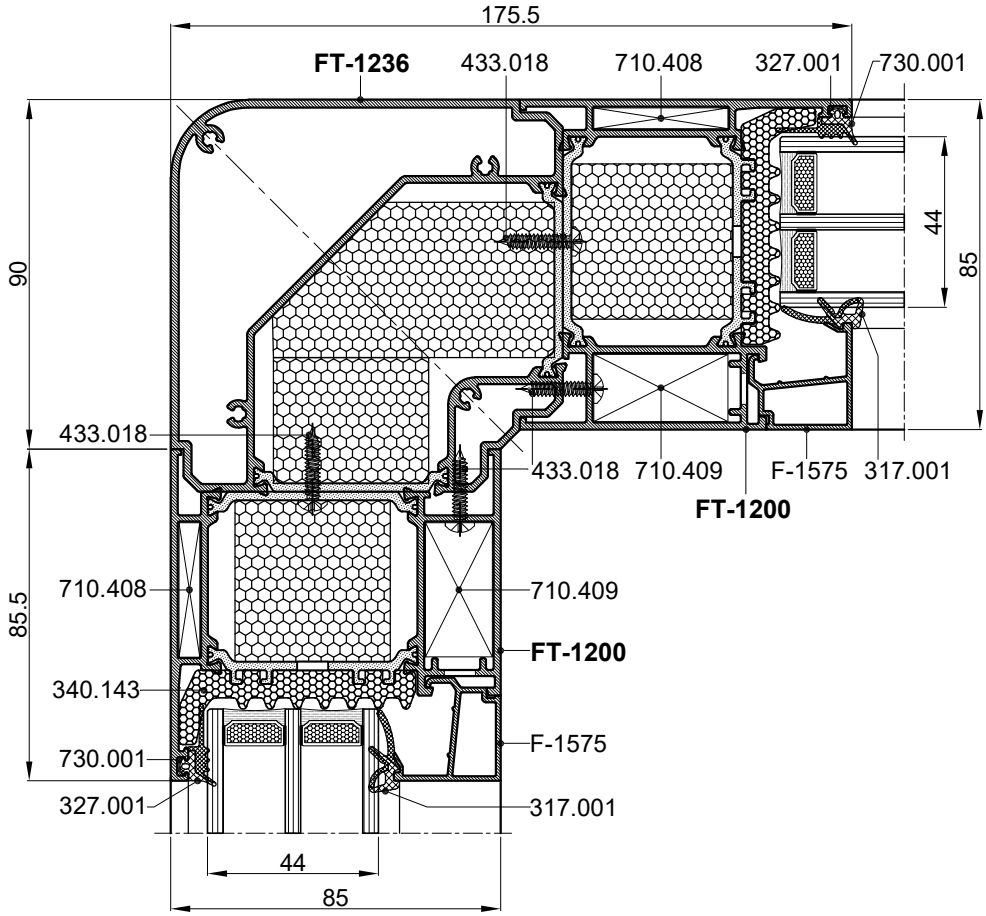

135.5
433.021
710.408
730.001
327.001
5
44
4
85
85
340.143
FT-0578F
433.021
710.409
FT-1200
F-1575
317.001
50
85.5



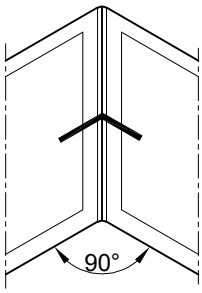

85,5
5
85,5
327.001
730.001
710.408
710.408
730.001
327.001
433.022
5
44
4
85
340.143
340.143
317.001
F-1575
710.409
433.018
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FT-1200
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5
63,5
22

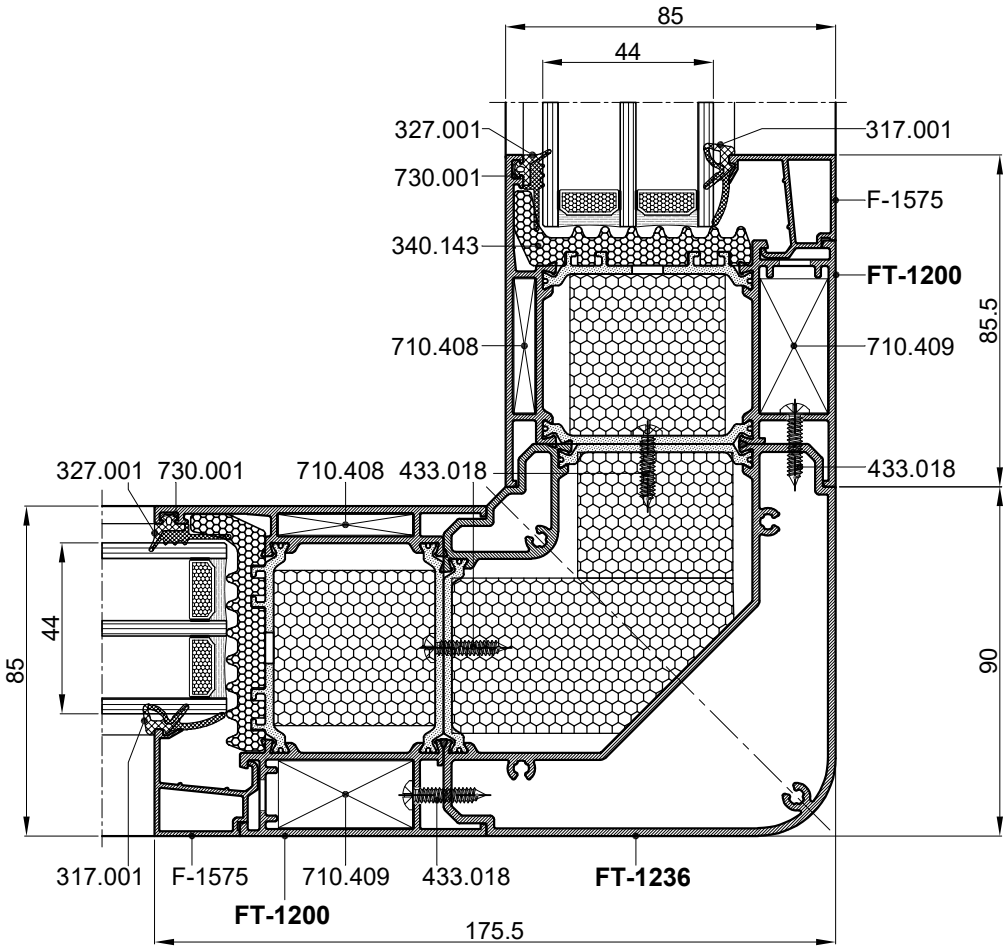
KUT PREMA VANI
OUTSIDE CORNER

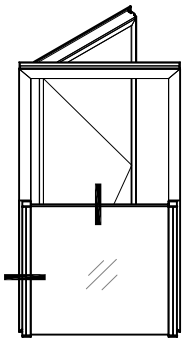




KUT PREMA UNUTRA
INSIDE CORNER





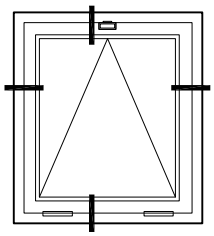


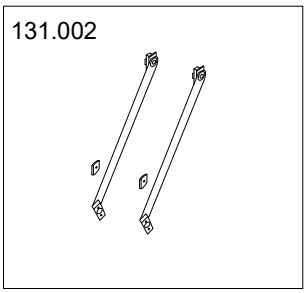
(brtve za staklo 88.4 VSG /gaskets for glass 88.4 VSG:)

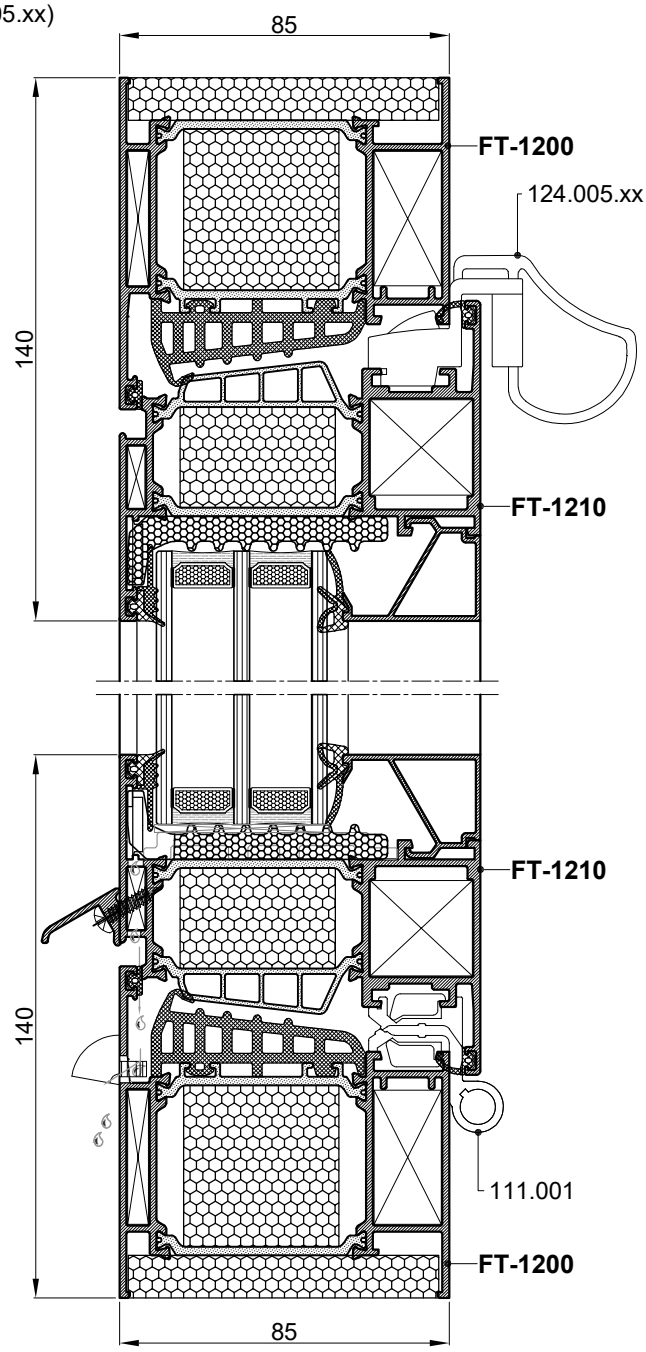
** 328.002

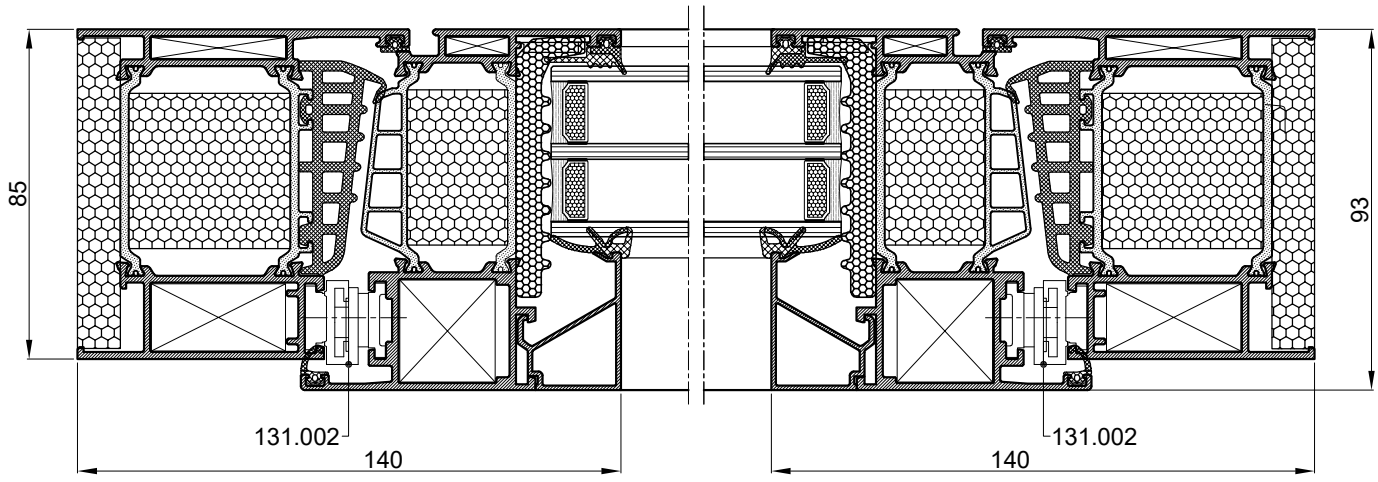
* 318.016

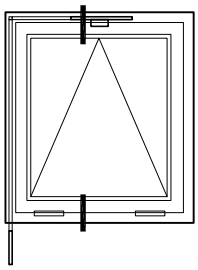
OTKLOPNI PROZOR - VENTUS s bravicom za zatvaranje - (124.005.xx)
TILT WINDOW - VENTUS with lock for closing - (124.005.xx)



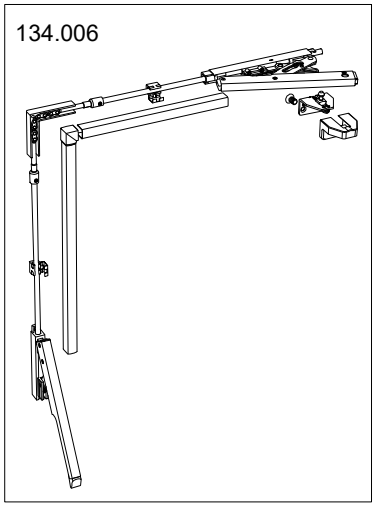


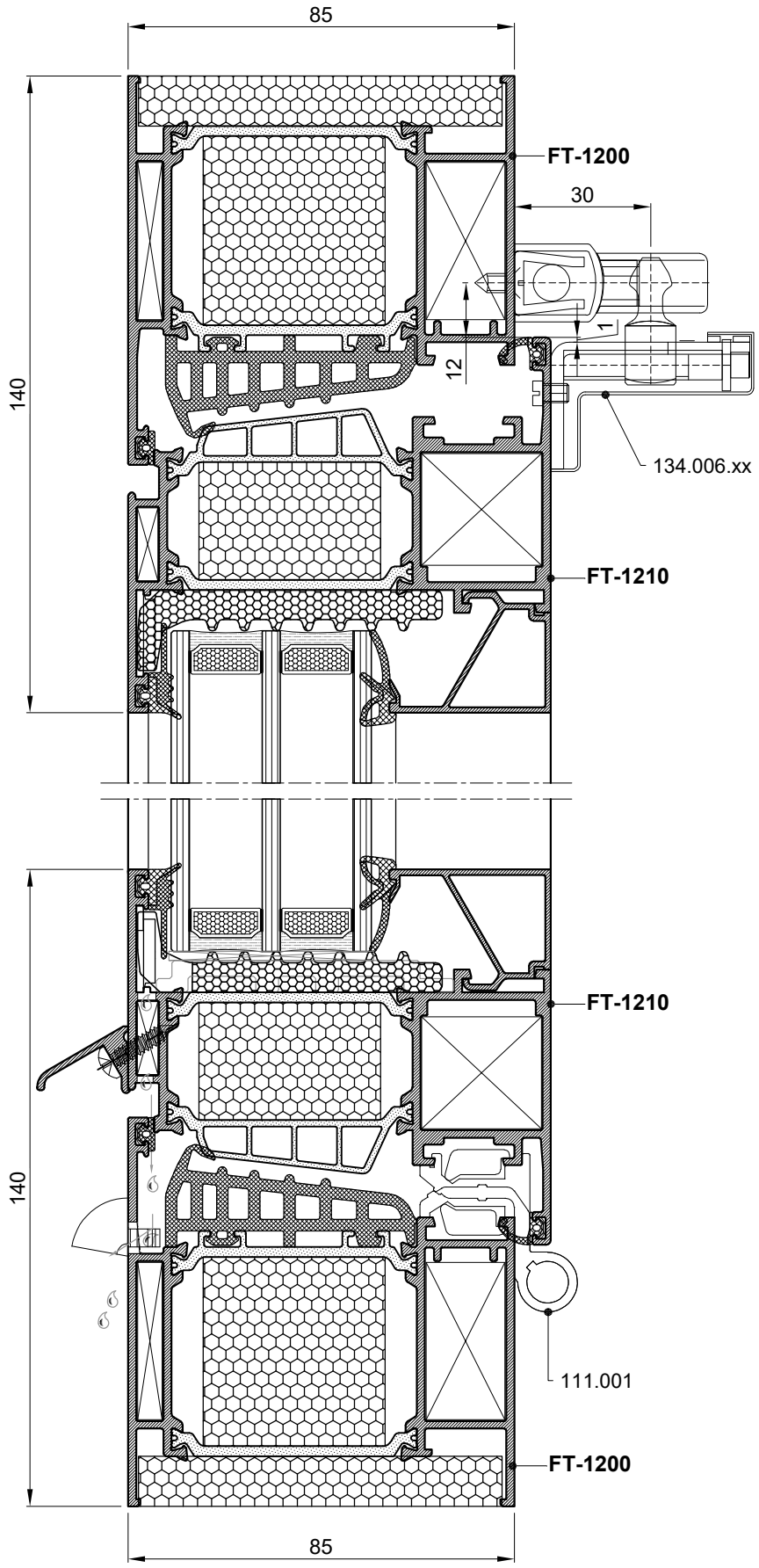




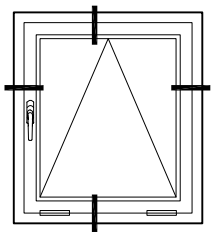


OTKLOPNI PROZOR - VENTUS s ručkom za visinu - (134.006.xx)
TILT WINDOW - VENTUS with handle for height - (134.006.xx)

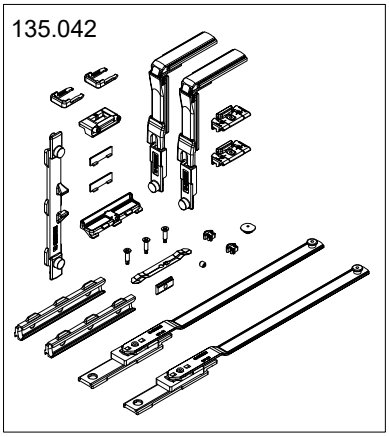


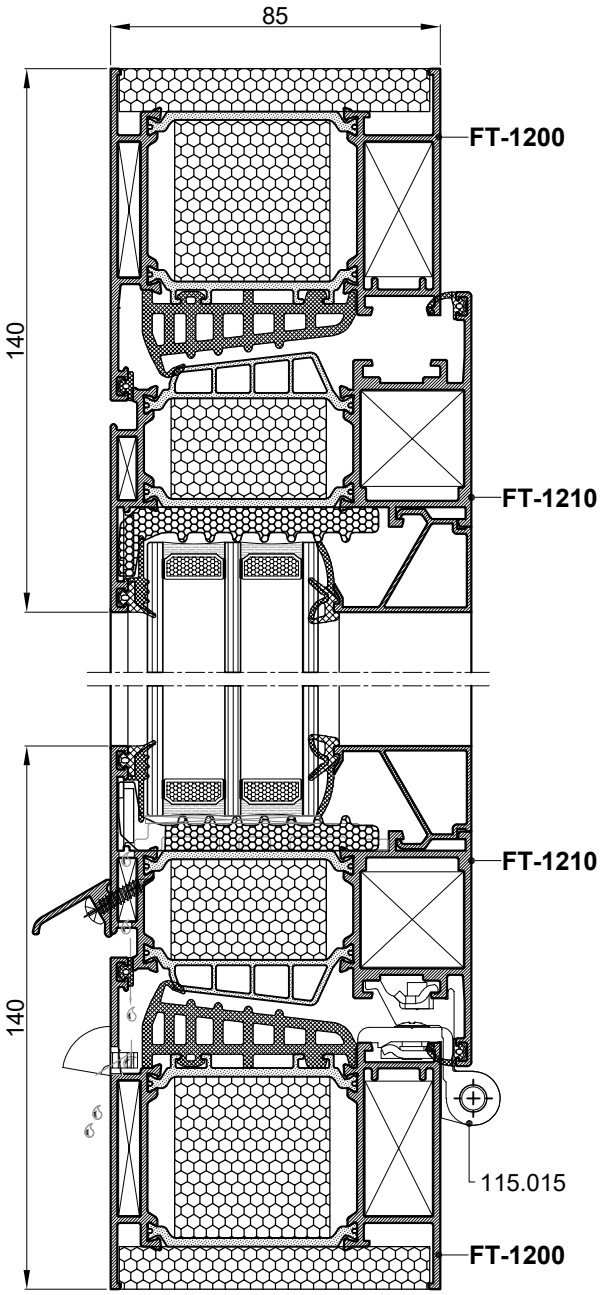


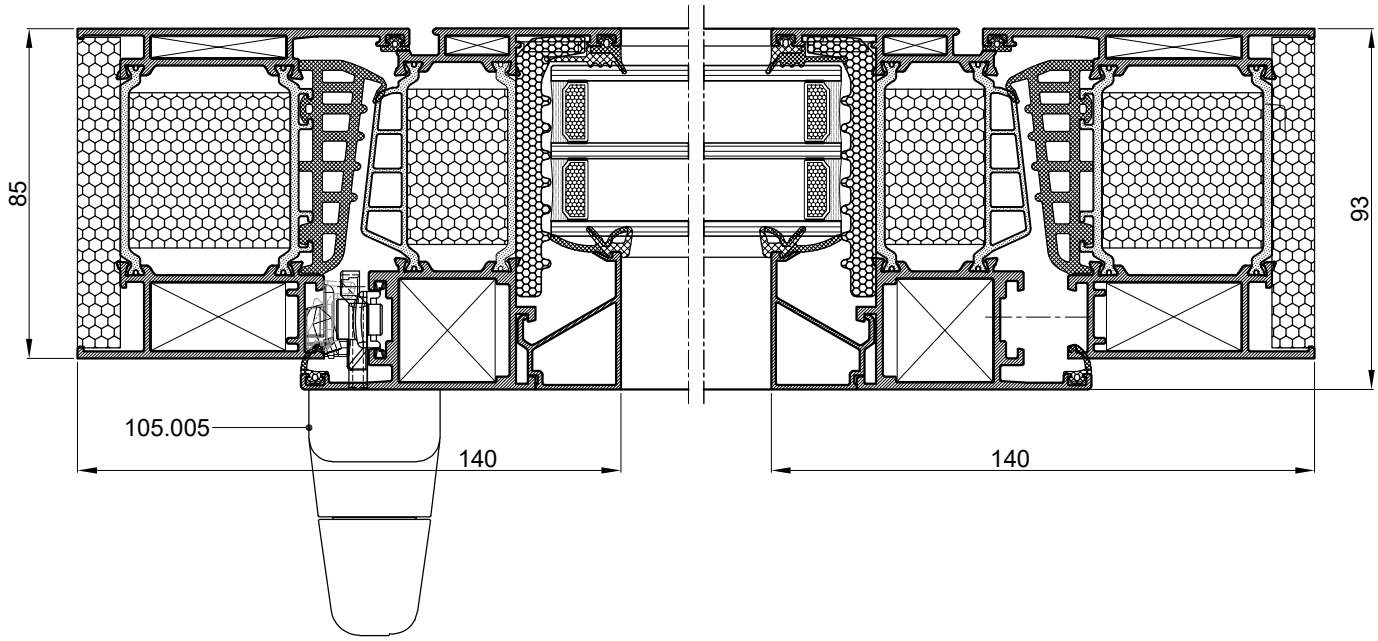
OTKLOPNI PROZOR - VENTUS s ručkom na vertikali
TILT WINDOW - VENTUS with the handle on the side



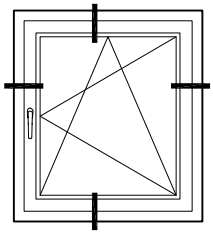
(Mehanizam za otklopni prozor - ventus
s ručkom na vertikali - Giesse)
(Mechanism for tilt window (ventus)
with the handle on the side - Giesse)



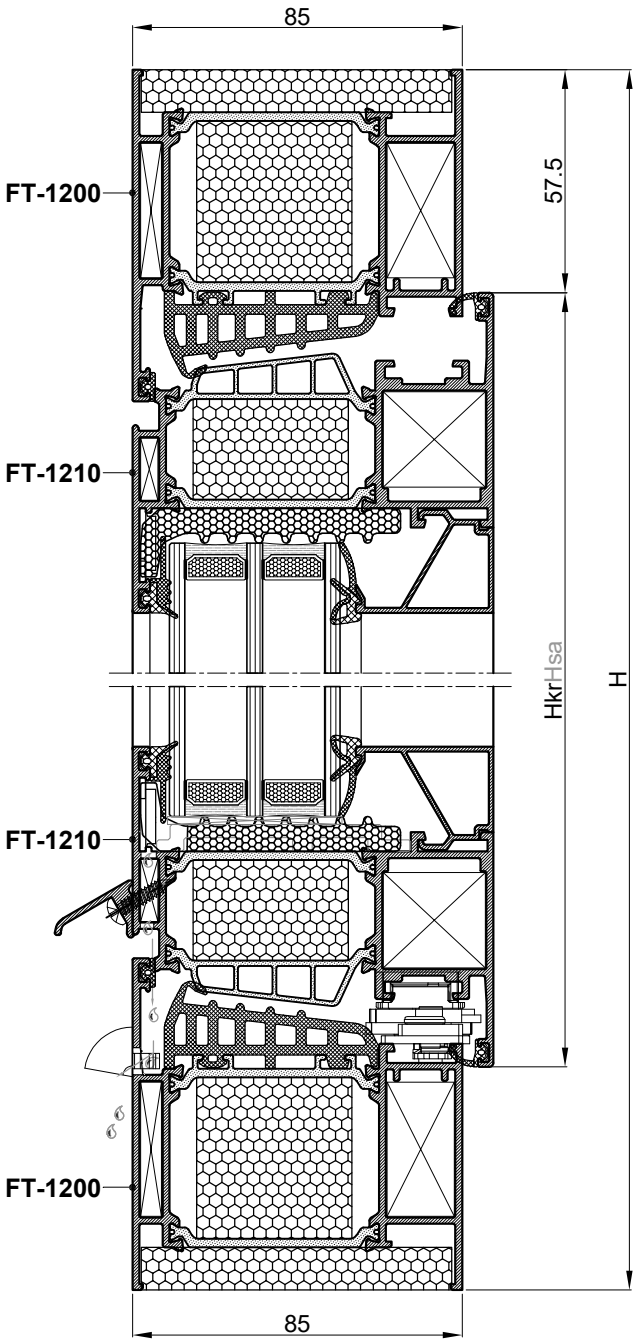


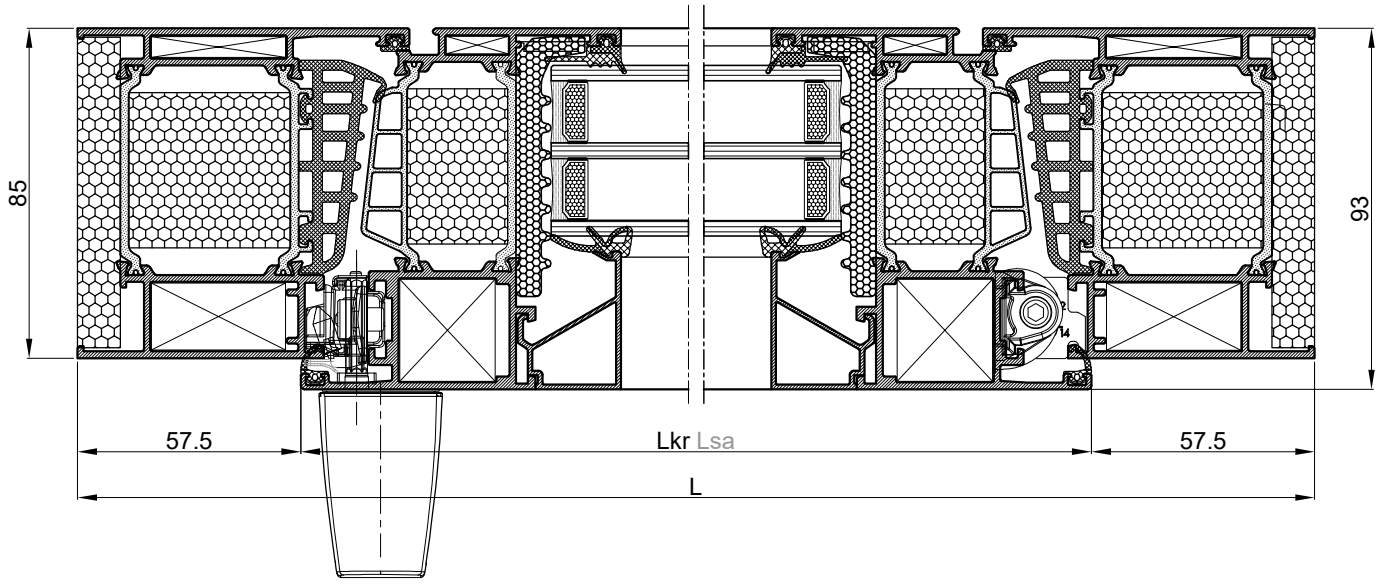


OTKLOPNO ZAOKRETNI PROZOR
TILT & TURN WINDOW

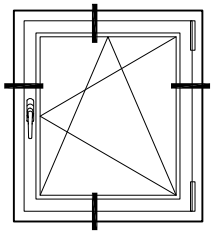


(Skriveni otklopno-zaokretni mehanizam- Giesse)
(Concealed tilt & turn mechanism- Giesse)

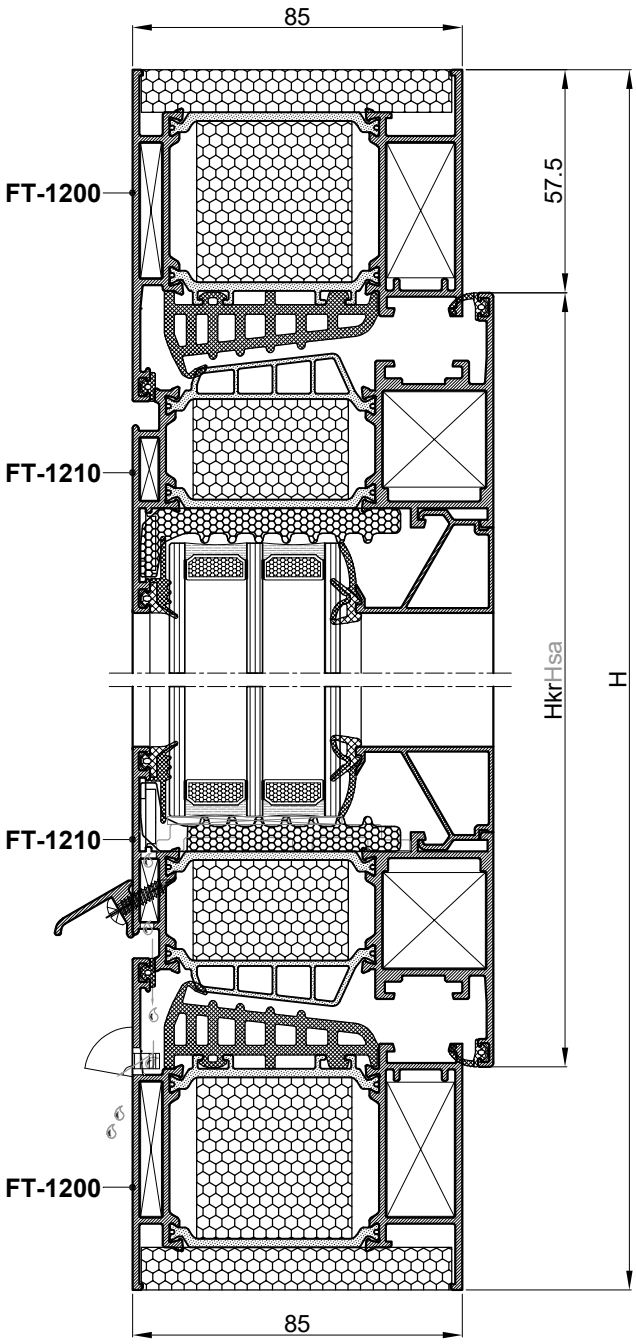


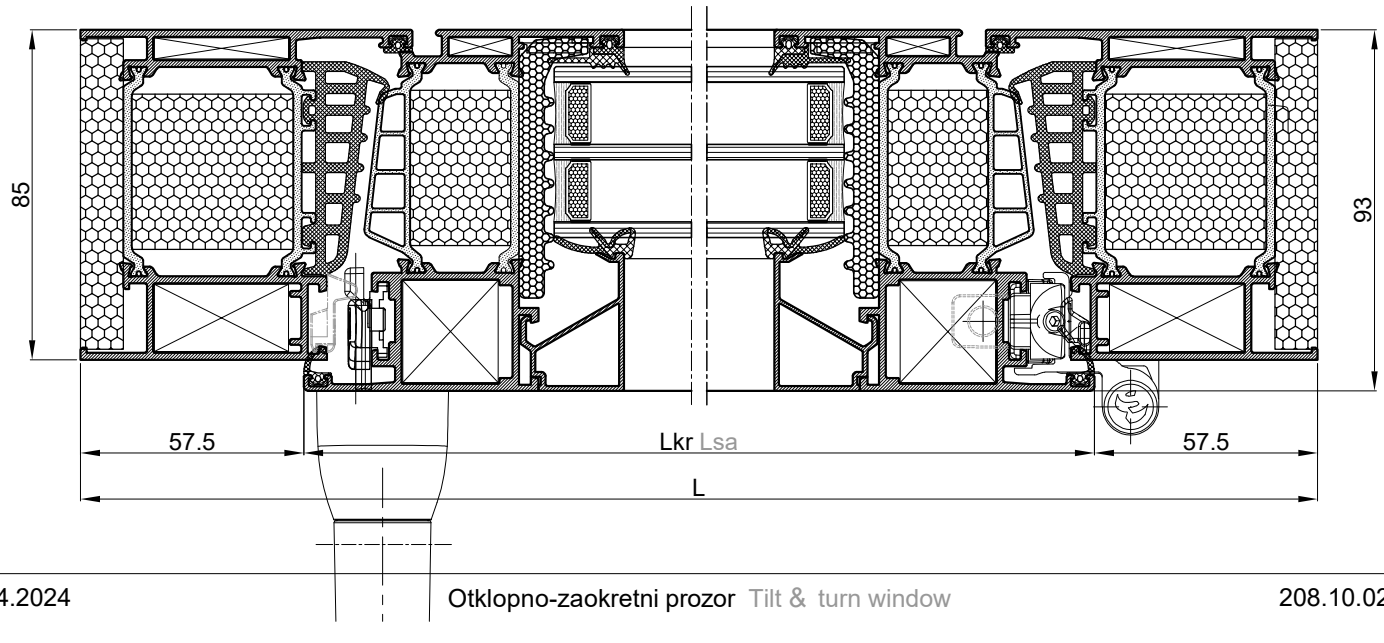


OTKLOPNO ZAOKRETNI PROZOR
TILT & TURN WINDOW

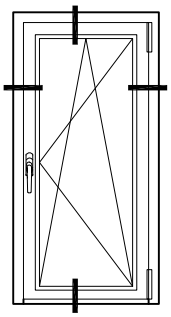


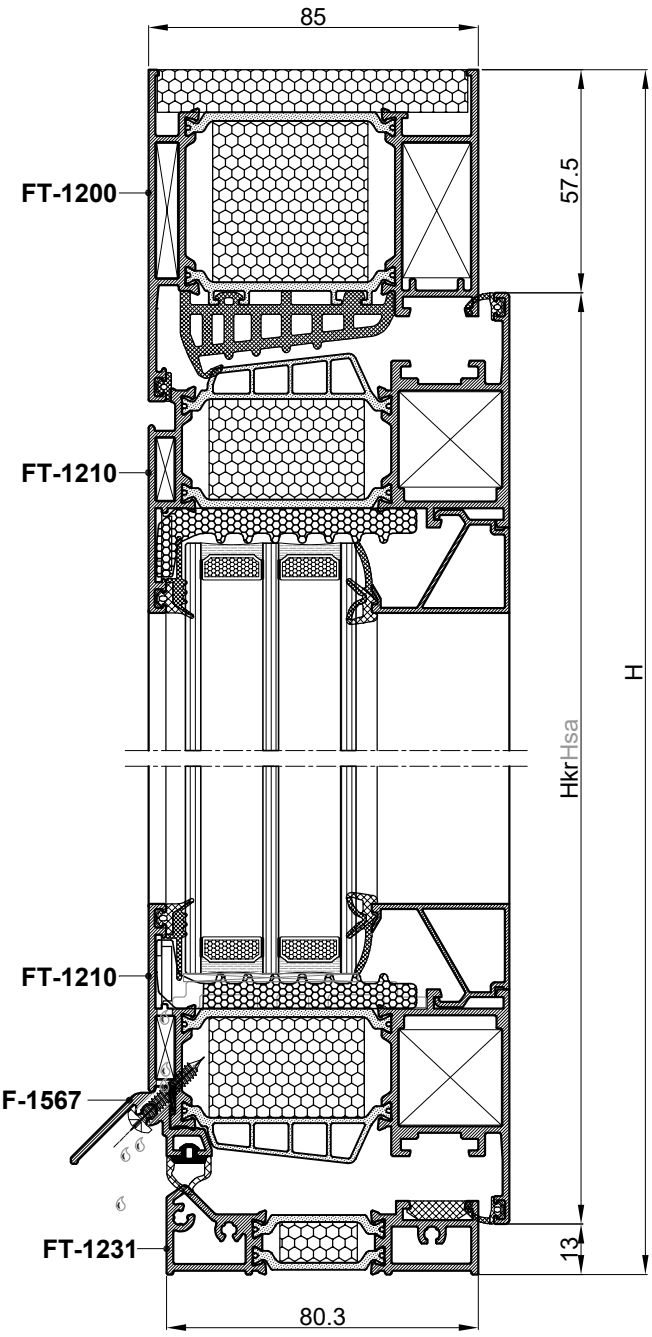
(Otklopno-zaokretni mehanizam- Stublina)
(Tilt & turn mechanism- Stublina)

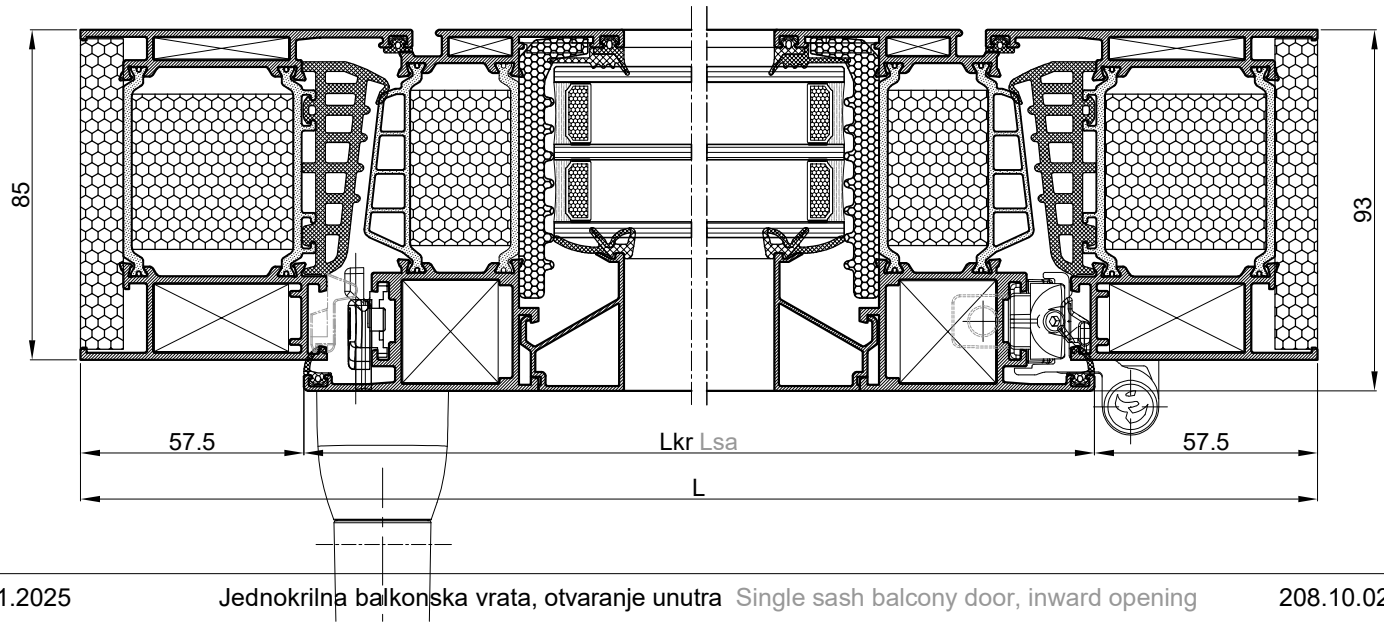


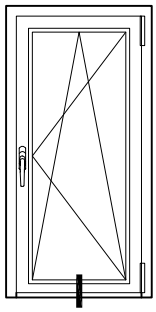


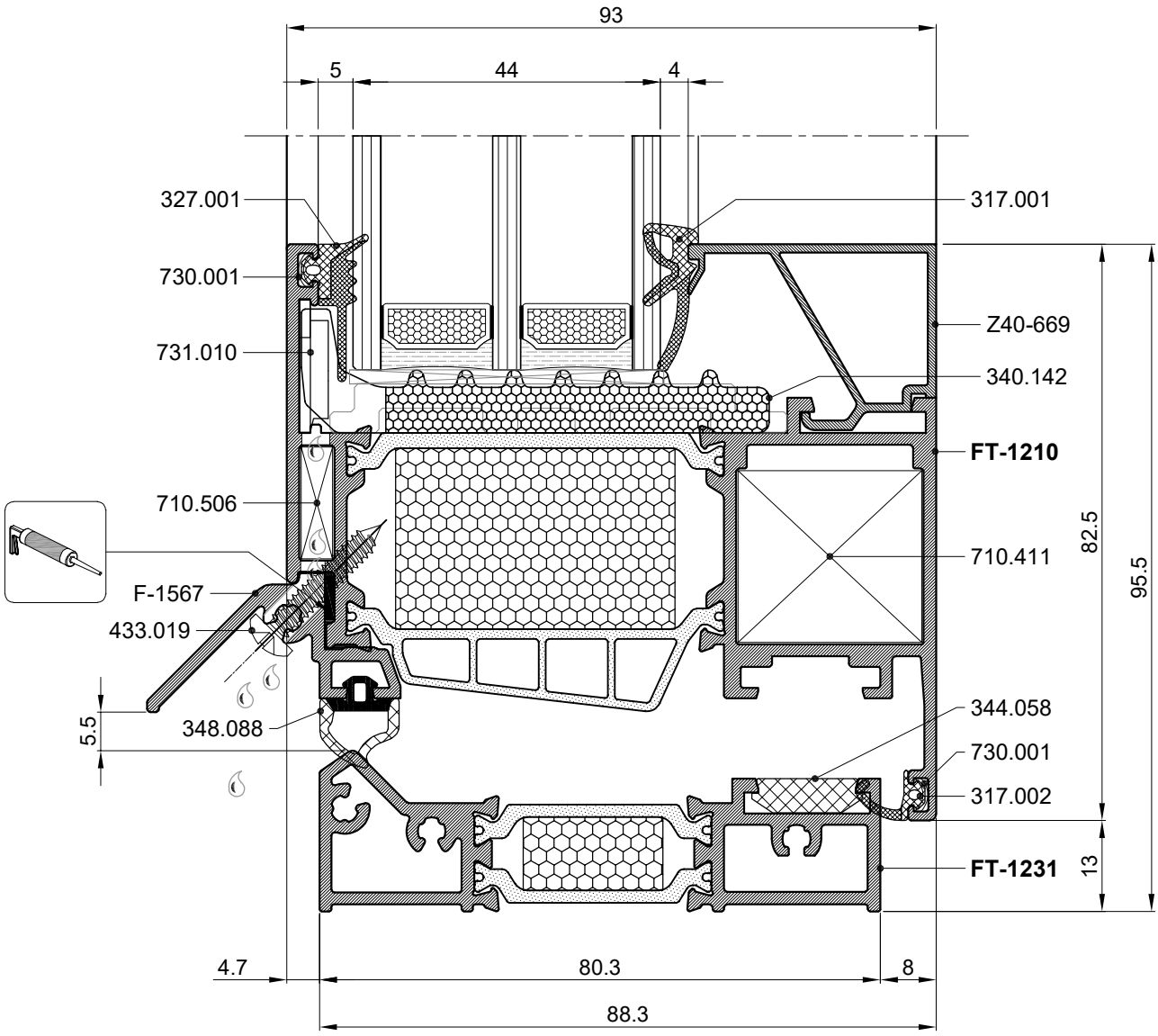
JEDNOKRILNA BALKONSKA VRATA - NISKI PRAG
SINGLE SASH BALCONY DOOR - LOW THRESHOLD



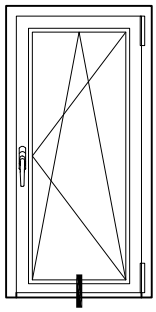


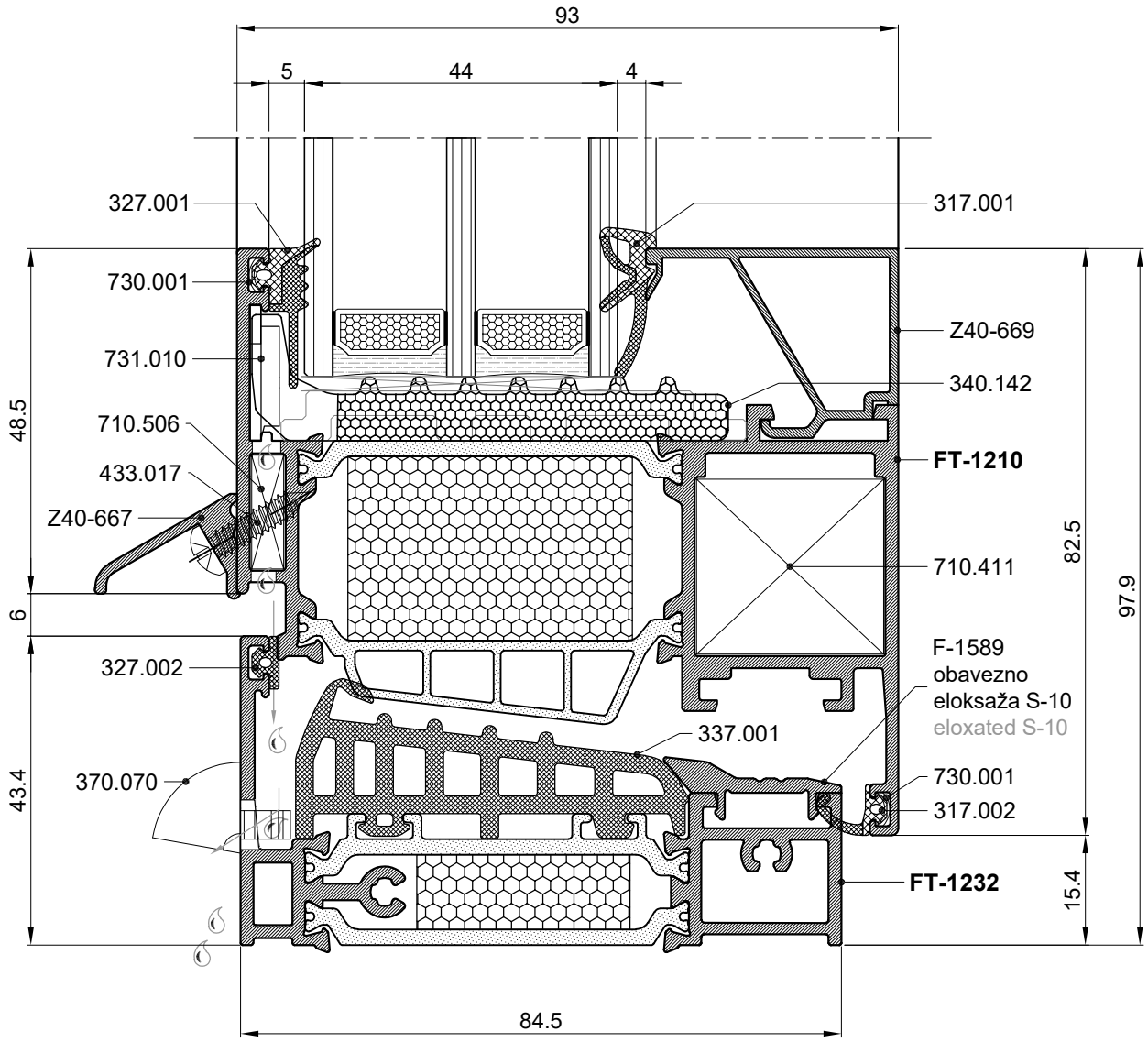




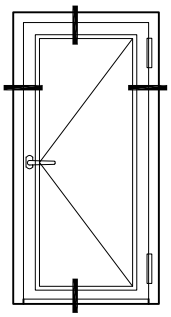


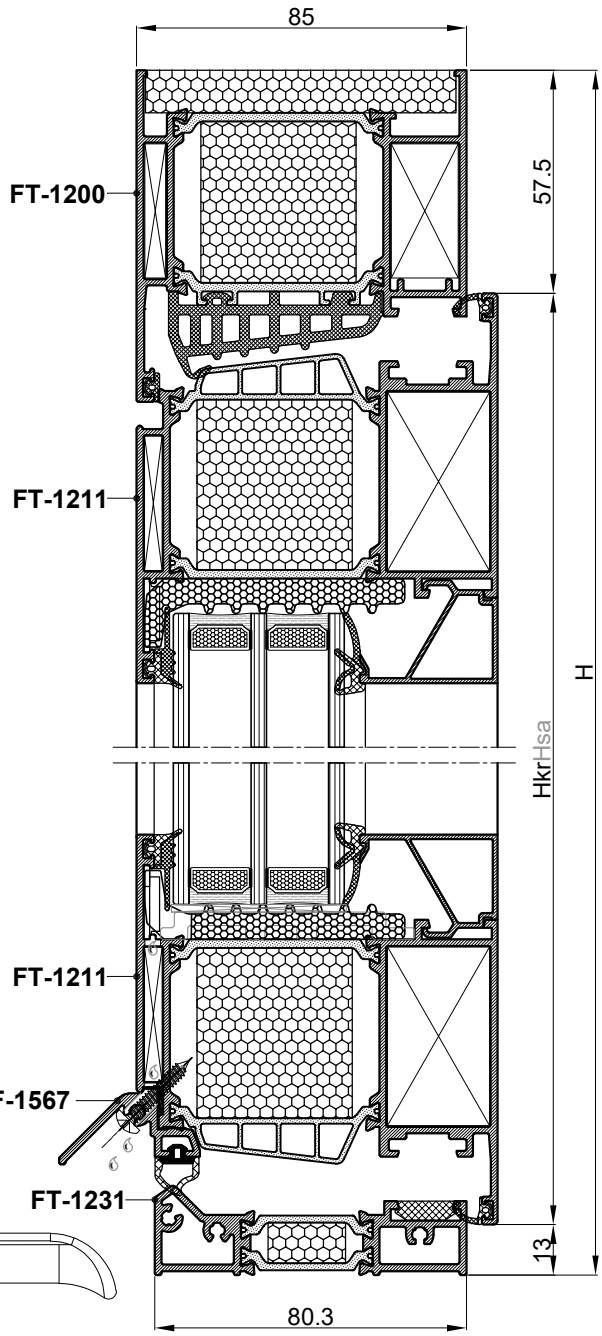
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



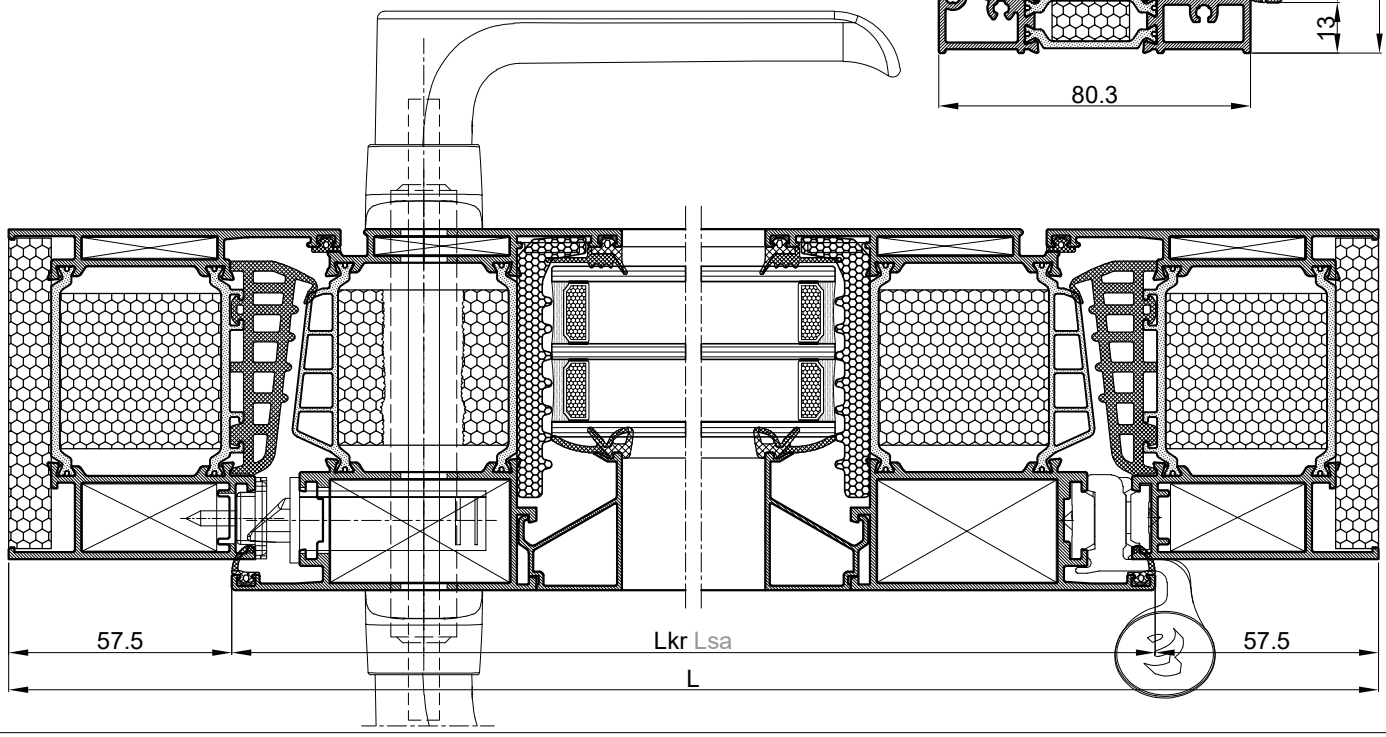

93
5
44
4
327.001
317.001
730.001
Z40-669
731.010
340.142
710.506
433.017
FT-1210
Z40-667
710.411
48.5
82.5
97.9
6
327.002
F-1589
obavezno
eloksaža S-10
eloxated S-10
337.001
370.070
730.001
317.002
43.4
FT-1232
15.4
84.5

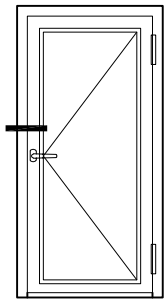
JEDNOKRILNA ULAZNA VRATA, OTVARANJE UNUTRA
SINGLE LEAF ENTRANCE DOOR, INWARD OPENING



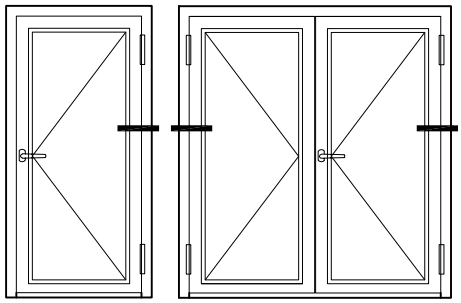


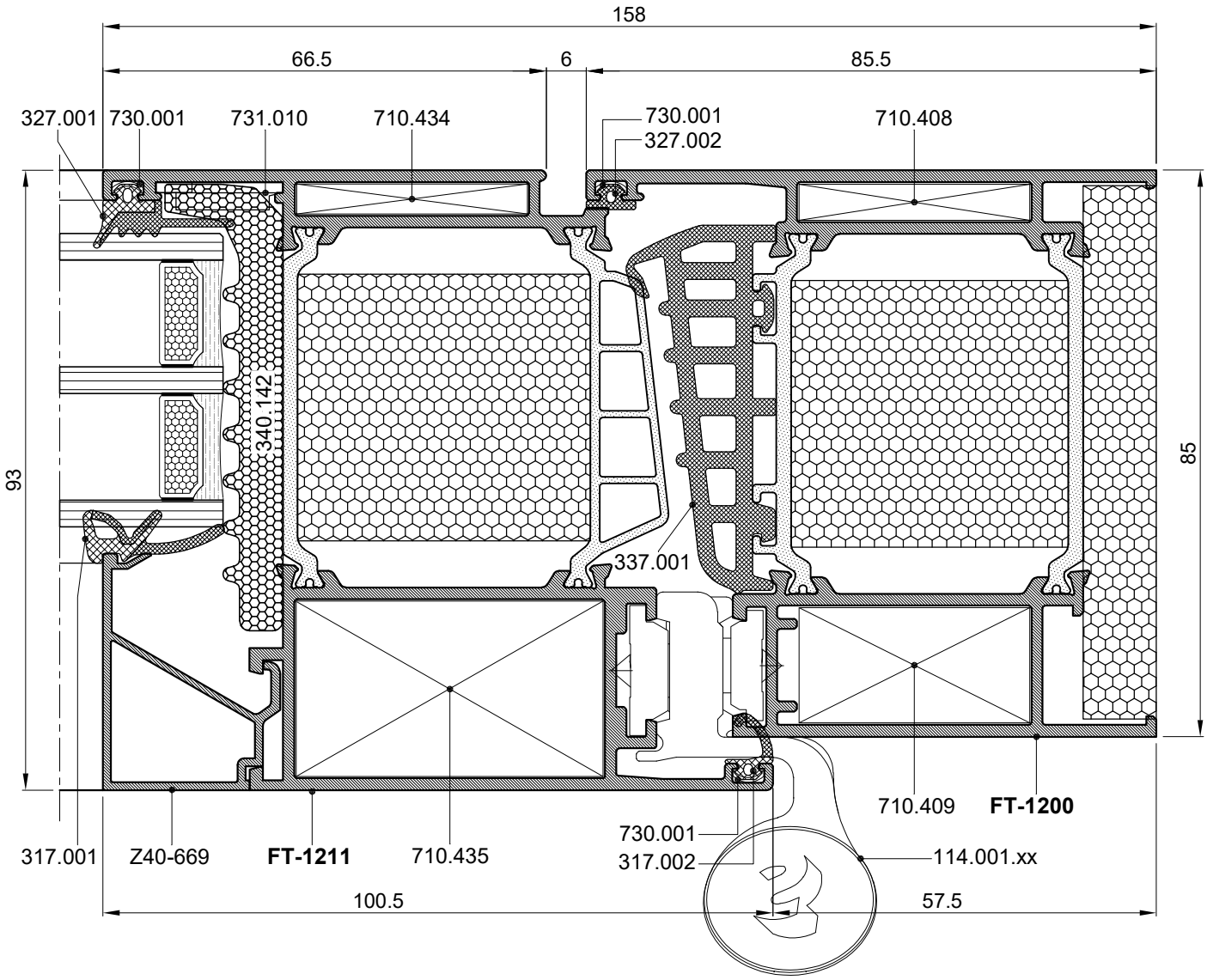
Napomena /Remark:
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door leaf for lock 35mm
- Lock 35mm with latchbolt...(124.001)



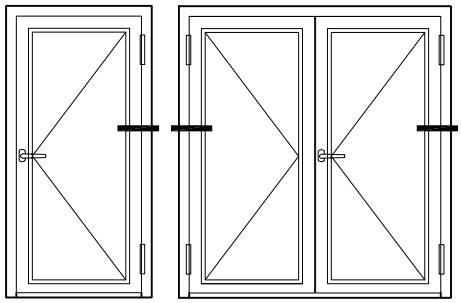


Napomena /Remark:
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door leaf for lock 35mm
- Lock 35mm with latchbolt...(124.001)

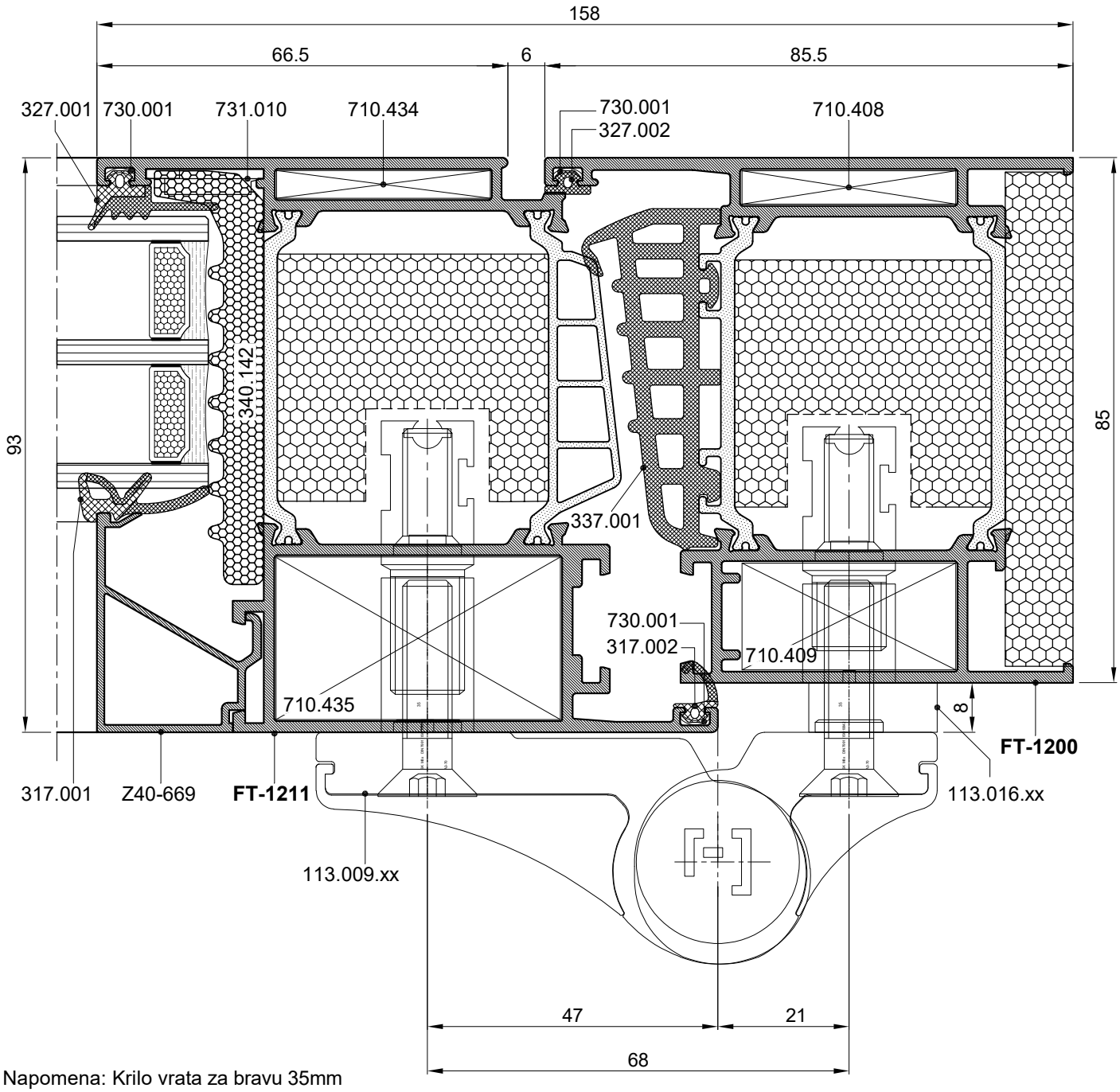




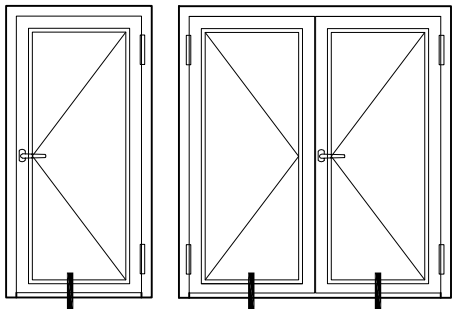
Napomena: Krilo vrata za bravu 35mm
Remark: Door sash for lock 35mm

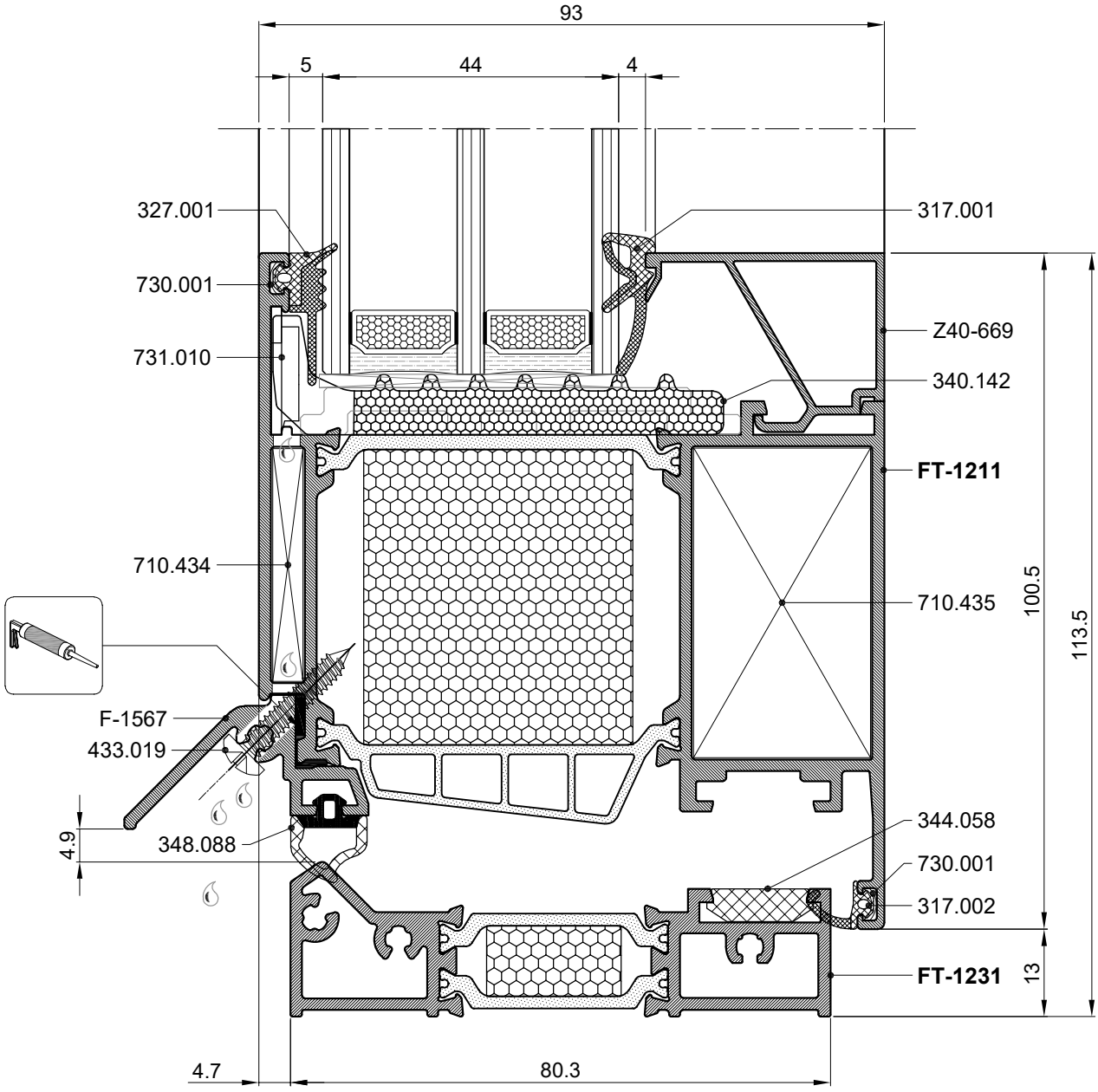


SET USADNIH BAGLAMA - OSNO 68 mm
UGRAĐUJE SE U KRILO VRATA FT-1211 (OTVARANJE UNUTRA)
SET OF SCREW-IN HINGES - AXIAL DISTANCE 68 mm
INSTALLED IN DOOR SASH FT-1211 (INWARD OPENING)

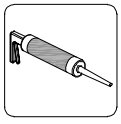


Napomena: Krilo vrata za bravu 35mm
Remark: Door sash for lock 35mm

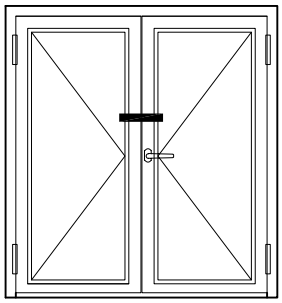


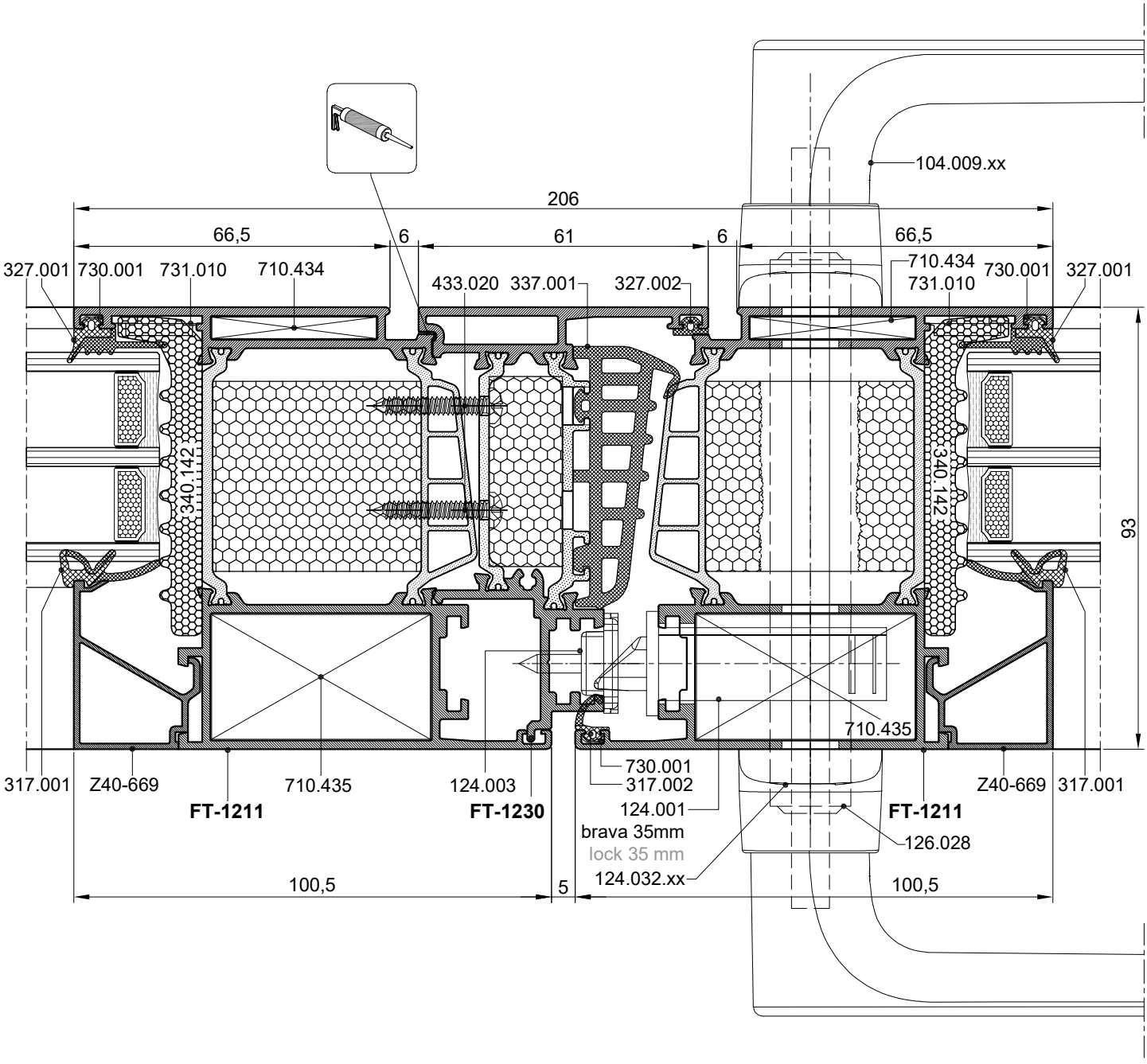


Napomena: Krilo vrata za bravu 35mm
Remark: Door sash for lock 35mm



ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

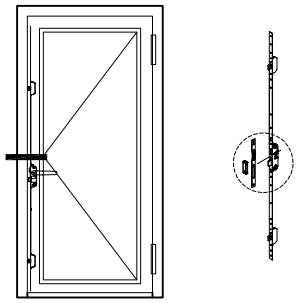




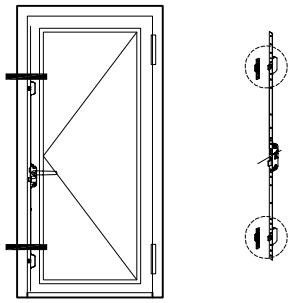
Napomena /Remark:
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door sash for lock 35mm
- Lock 35mm with latchbolt...(124.001)

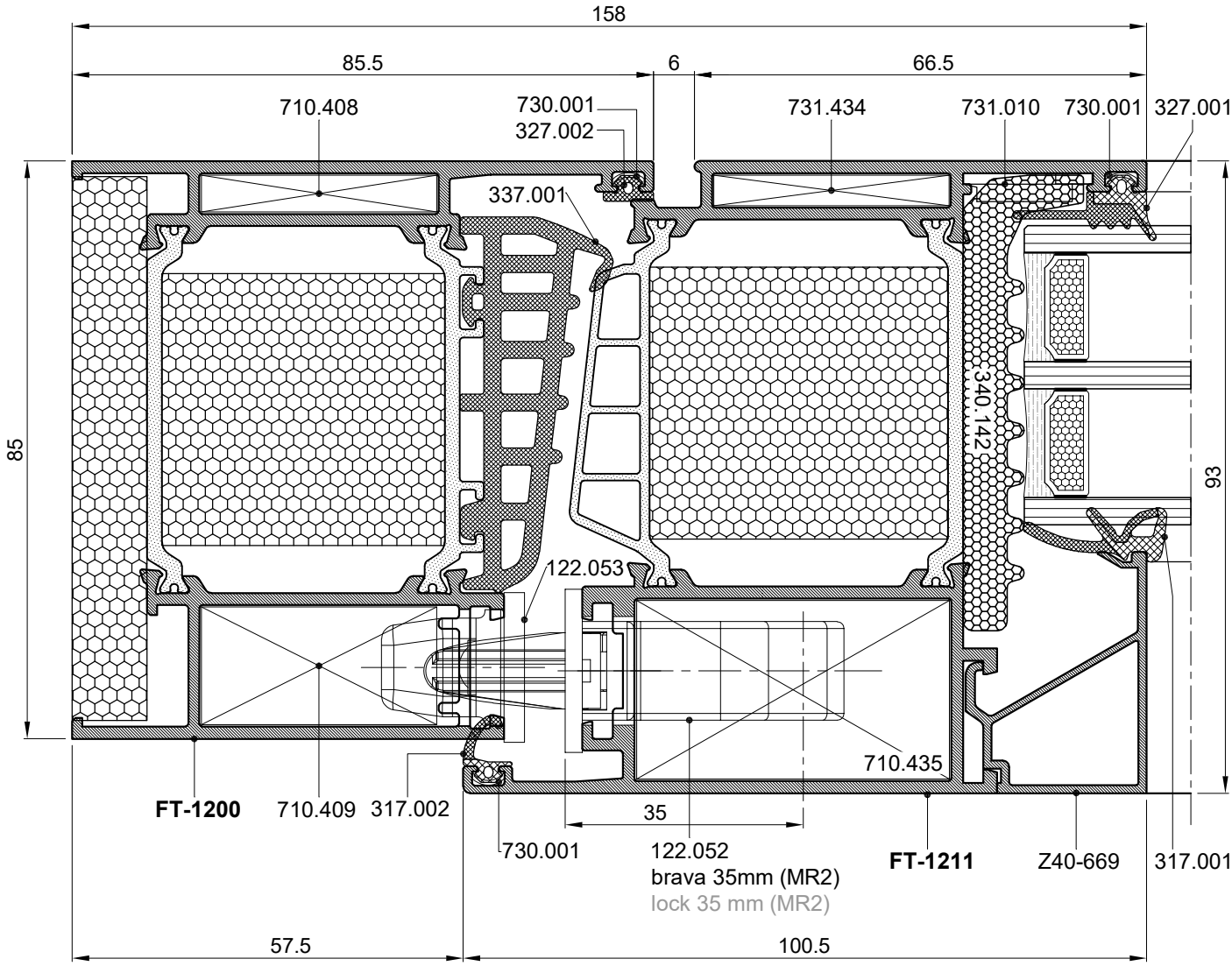


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

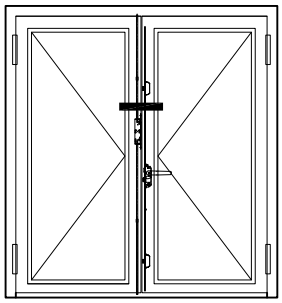


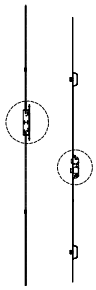
Napomena /Remark:
- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Door sash for lock 35mm
- Safety lock 35mm with 3 locking points -(MR2)...(122.052)

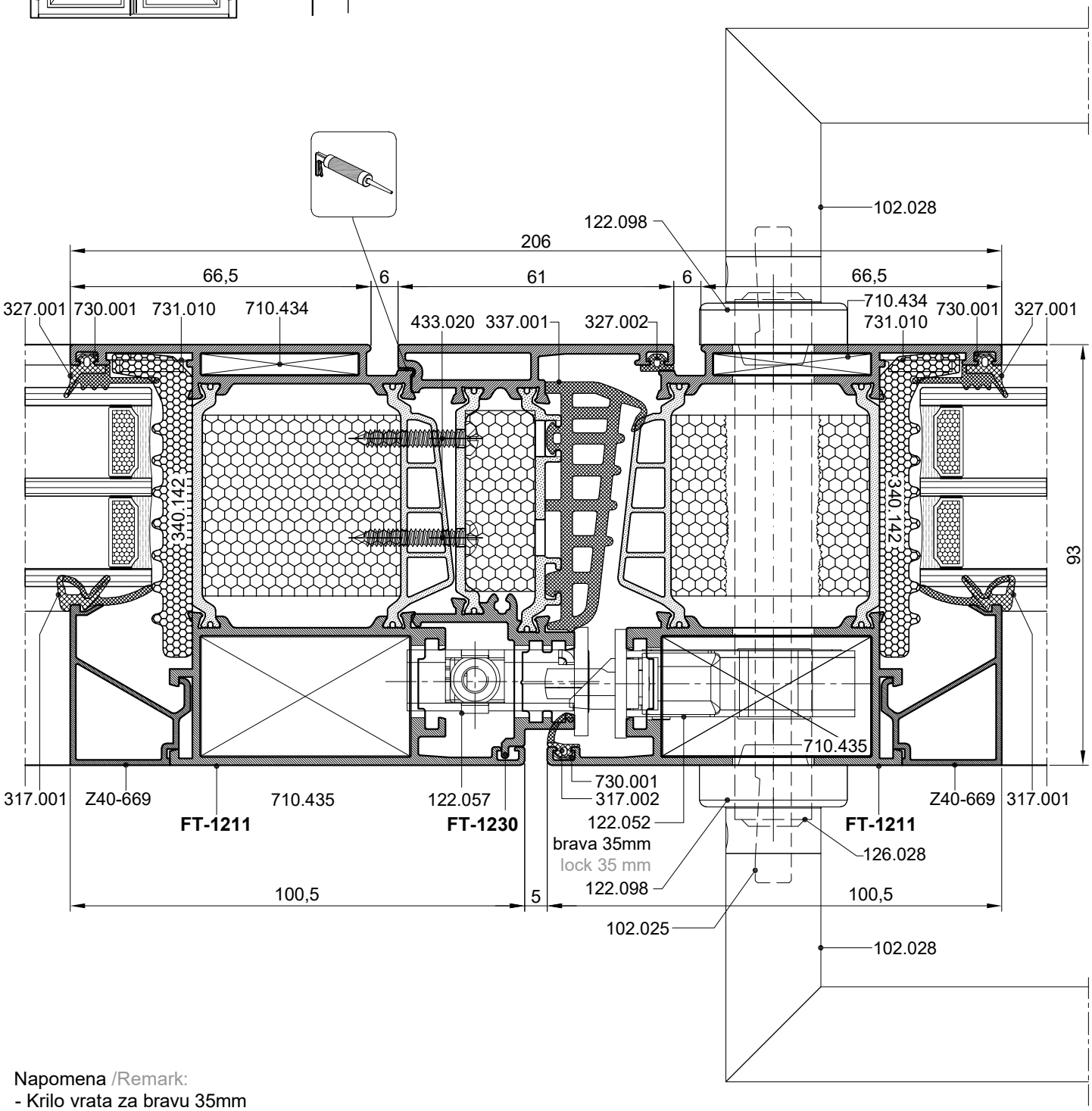




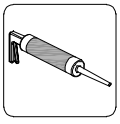
Napomena /Remark:
- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Door sash for lock 35mm
- Safety lock 35mm with 3 locking points -(MR2)...(122.052)



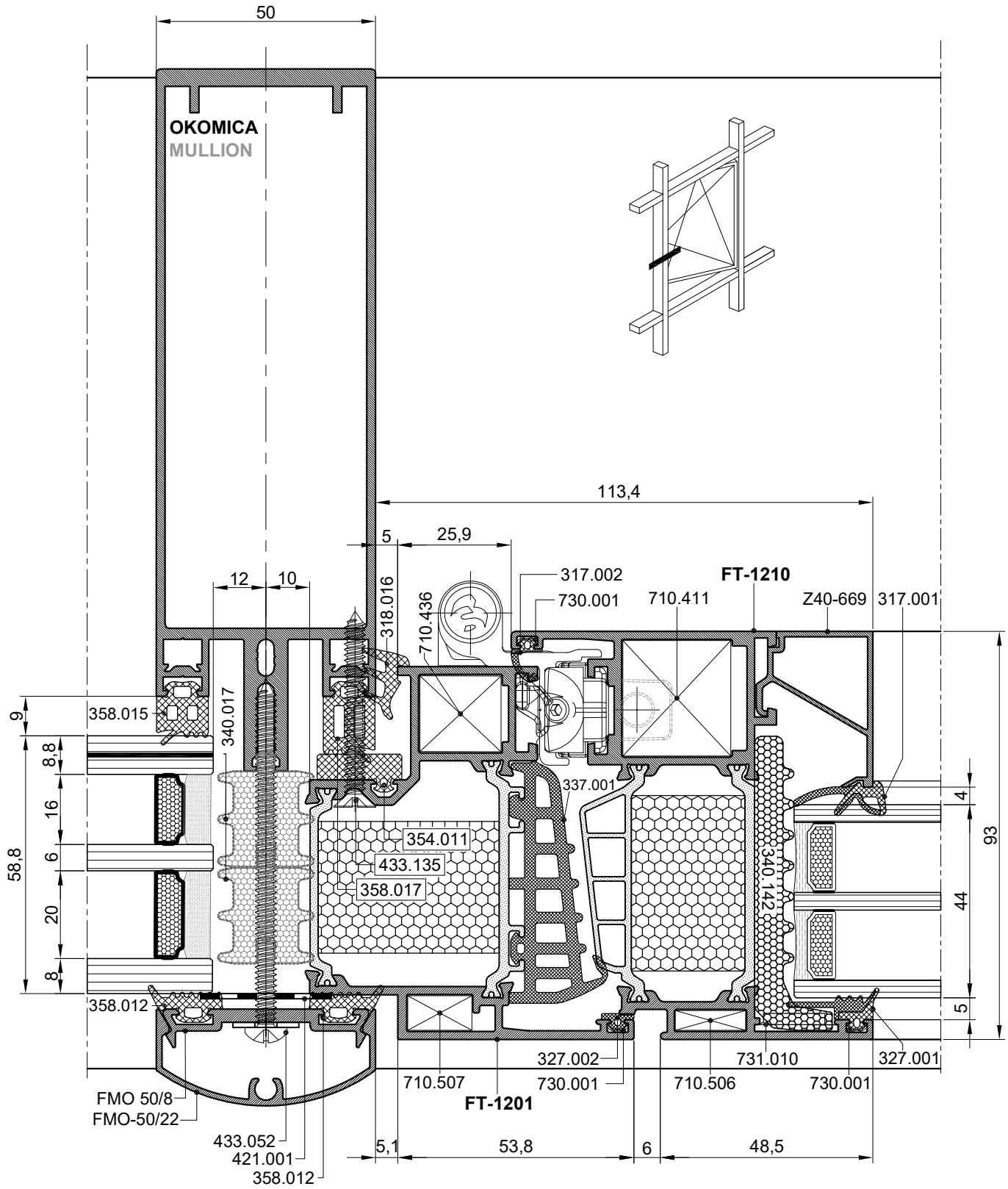


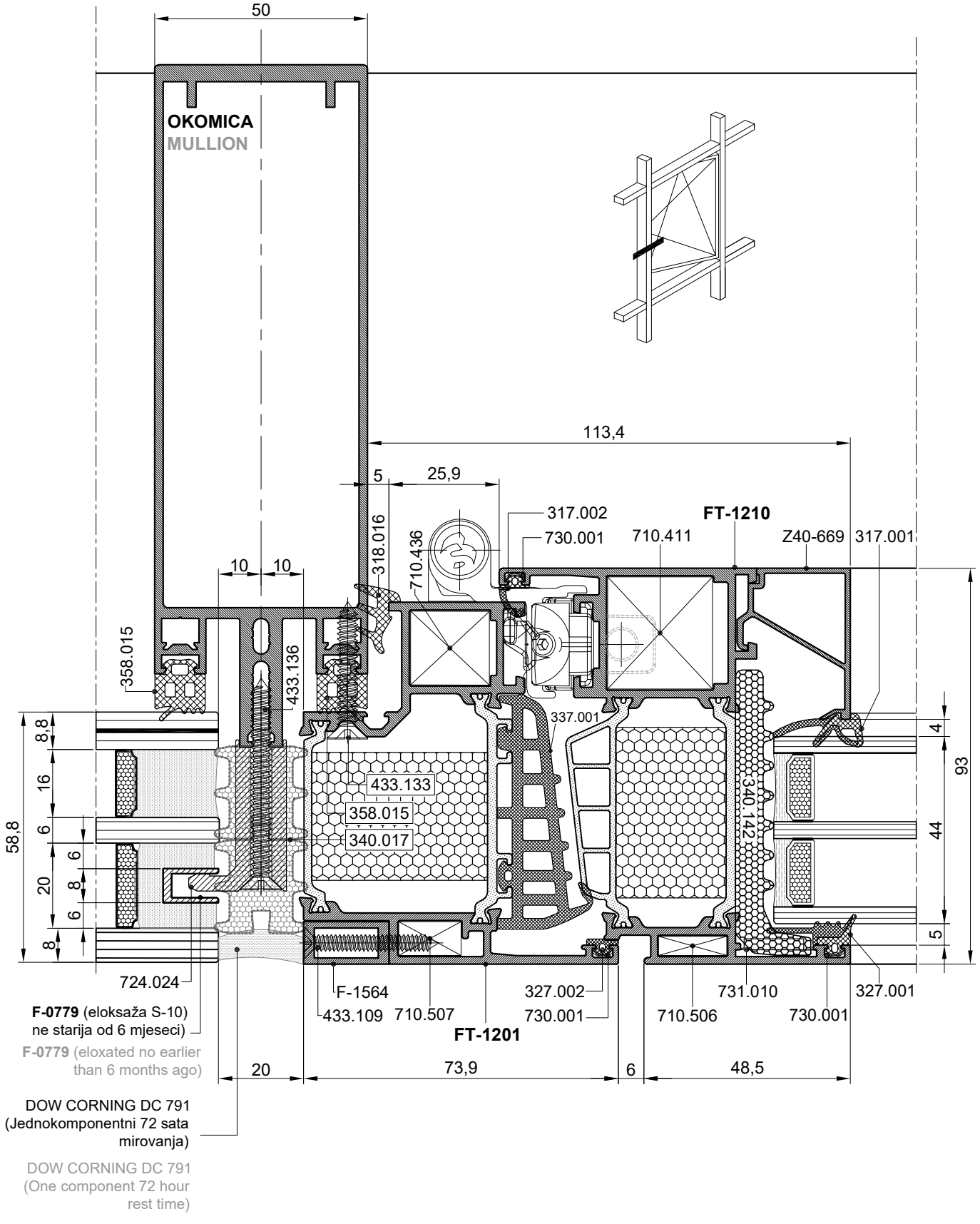


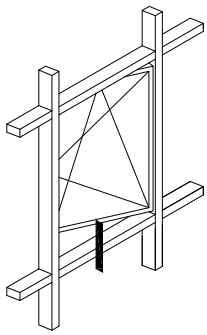
Napomena /Remark:
- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Bravica za ključanje pomoćnog krila...(122.057)
- Door sash for lock 35mm
- Safety lock 35mm with 3 locking points -(MR2)...(122.052)
- Lock for the auxilary leaf... (122.057)

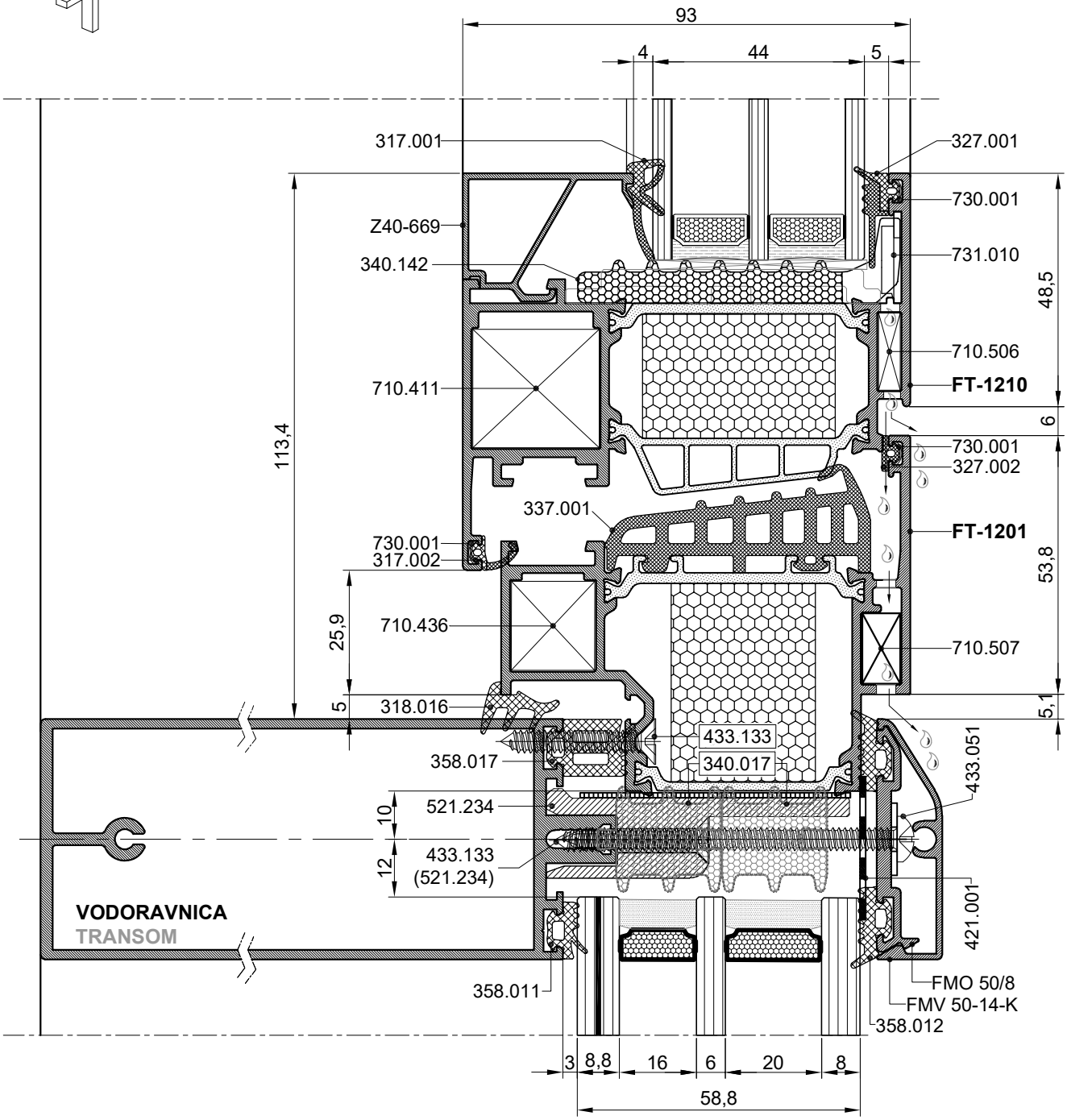


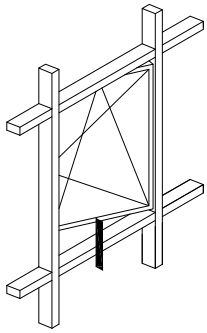
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

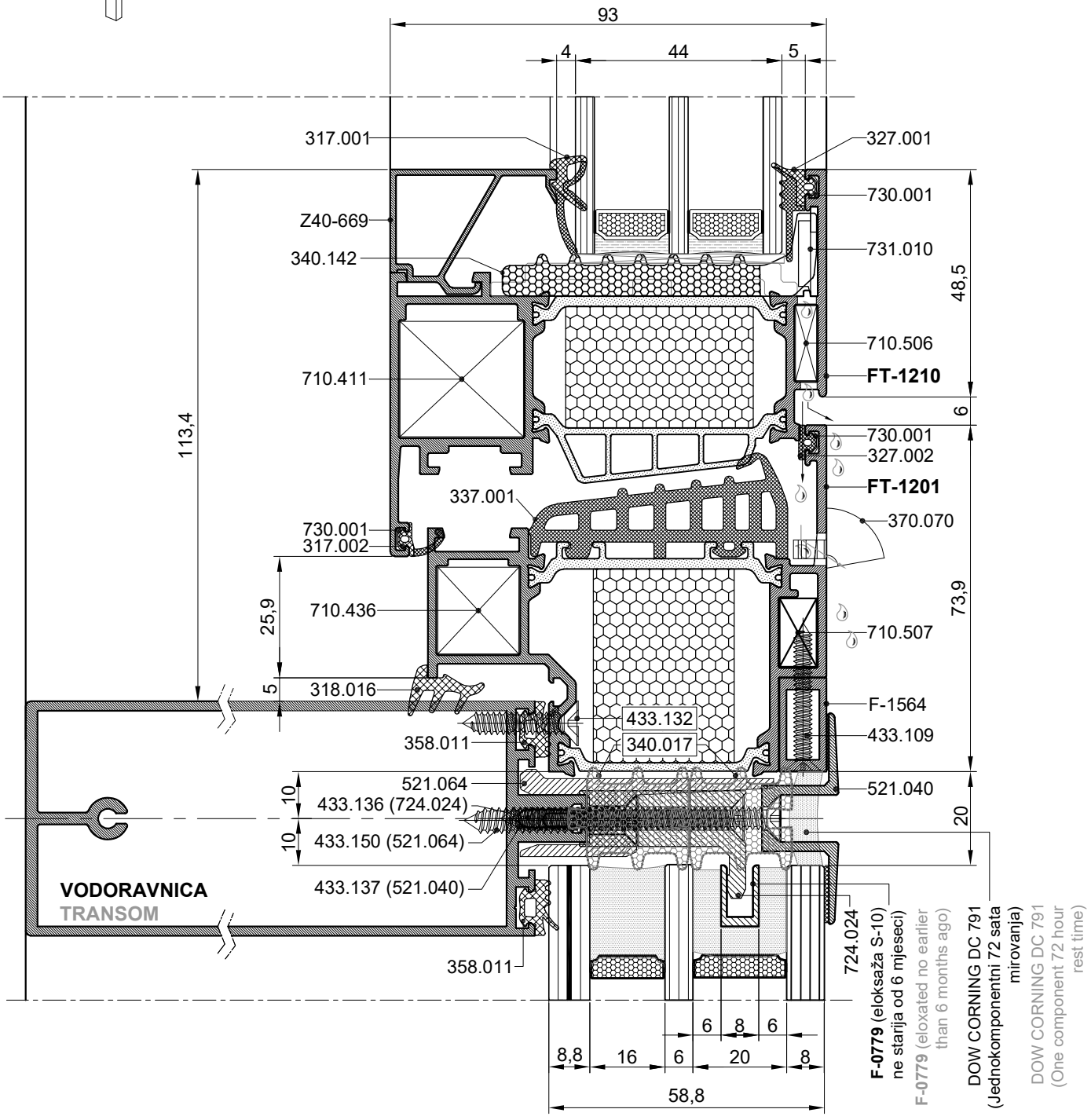

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OKOMICA
MULLION
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730.001
710.411
FT-1210
Z40-669
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358.015
340.017
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433.135
358.017
340.142
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358.012
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730.001
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FT-1201
710.506
731.010
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FMO 50/8
FMO-50/22
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724.024
F-0779 (eloksaža S-10) ne starija od 6 mjeseci)
F-0779 (eloxated no earlier than 6 months ago)
DOW CORNING DC 791 (Jednokomponentni 72 sata mirovanja)
DOW CORNING DC 791 (One component 72 hour rest time)
F-1564
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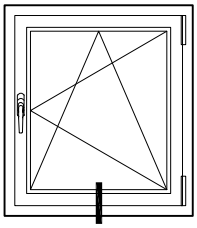



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VODORAVNICA
TRANSOM
433.137 (521.040)
358.011
724.024
F-0779 (eloksaža S-10) ne starija od 6 mjeseci
F-0779 (eloxated no earlier than 6 months ago)
DOW CORNING DC 791 (Jednokomponentni 72 sata mirovanja)
DOW CORNING DC 791 (One component 72 hour rest time)
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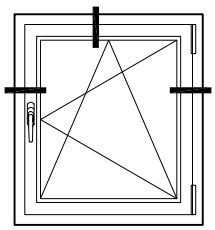
Ugradnja prema RAL standardu
Installation for RAL standards

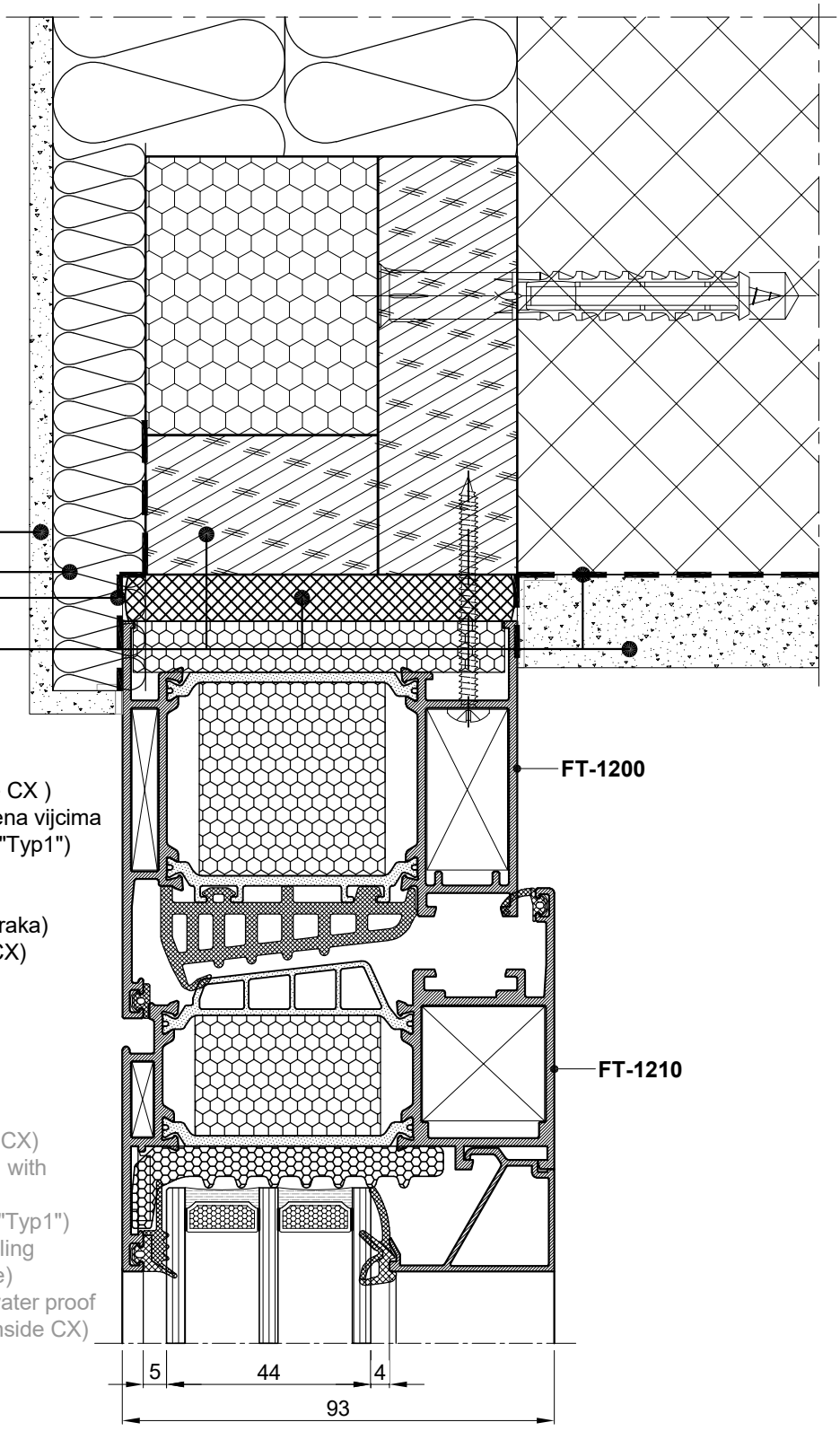


- aluminjska klupica pričvršćena vijcima
- termoizolacija
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso-Connect Outside CX)
- izolacijska ploča za ugradnju pričvršćena vijcima (npr. Iso Chemie: ISO-TOP Winframer"Typ1")
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- profil-maska F-1552
- profil za ugradnju FT-1234
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

- aluminium window sill attached with screws
- thermal insulation
- weather protection (vapour-permeable and water proof tape) (eg. Iso Chemie: Iso-Connect outside CX)
- insulation plate for installation attached screw (npr. Iso Chemie: ISO-TOP Winframer "Typ1")
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- profile-mask F1552
- installation profile FT-1234
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside facing and final look

Ugradnja prema RAL standardu
Installation for RAL standards

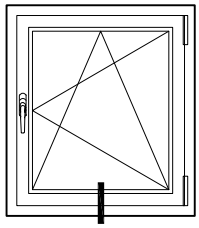




- vanjska obrada i završni izgled
- termoizolacija
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso-Connect Outside CX)
- izolacijska ploča za ugradnju pričvršćena vijcima (npr. Iso Chemie: ISO-TOP Winframer"Typ1")
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

- outside finish
- thermal insulation
- weather protection (vapour-permable and water proof tape) (eg. Iso Chemie: Iso-Connect outside CX)
- insulation plate for installation attached with screws (eg. Iso Chemie: ISO-TOP Winframer "Typ1")
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish

Ugradnja prema RAL standardu
Installation for RAL standards

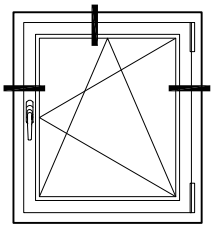


- aluminjska klupica pričvršćena vijcima
- termoizolacija
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- profil-maska F-1552
- profil za ugradnju FT-1234
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

- aluminium window sill attached with screws
- thermal insulation
- weather protection (vapour-permeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- profile-mask F1552
- instalation profile FT-1234
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish

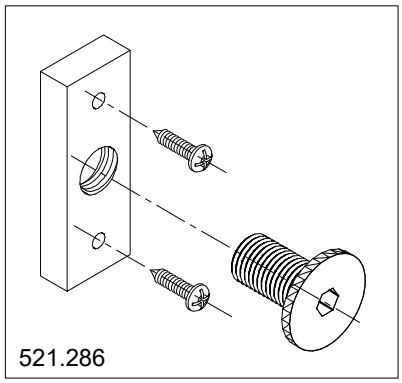
Efektivna dubina ankeriranja h_{ef}:
h_{ef} = 20-40mm u Beton
h_{ef} = 40mm u punoj cigli
$h_{ef} \geq$ 50mm u porobeton
$h_{ef} \geq$ 60mm u perforiranoj cigli

Effective anchorage depth h_{ef}:
h_{ef} = 20-40mm in concrete
h_{ef} = 40mm in full brick
$h_{ef} \geq$ 50mm in autoclaved aerated concrete
$h_{ef} \geq$ 60mm in porotherm brick



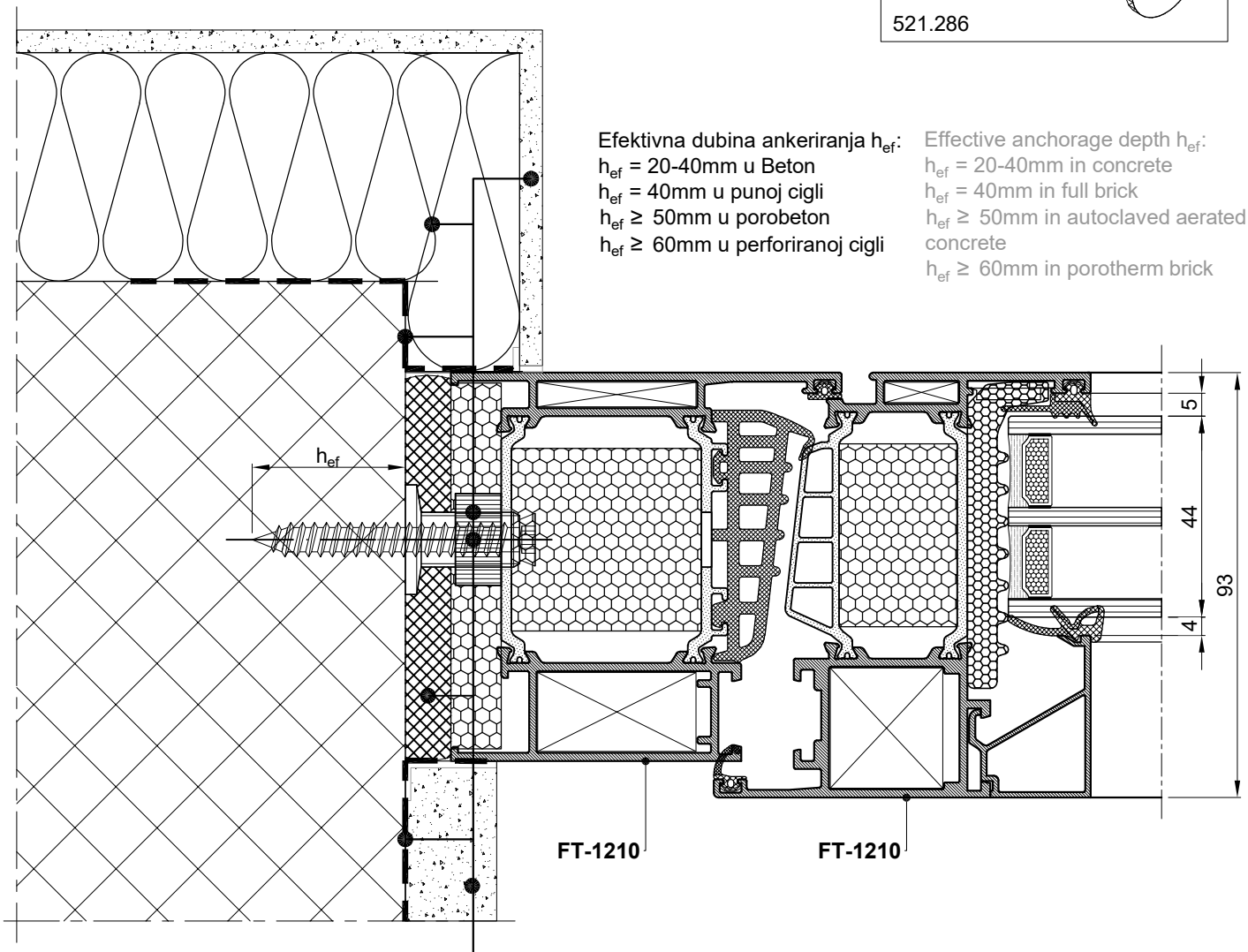
Ugradnja prema RAL standardu
Installation for RAL standards

ELEMENT ZA UGRADNJU
INSTALLATION ELEMENT



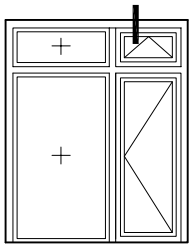
Efektivna dubina ankeriranja h_{ef}:
h_{ef} = 20-40mm u Beton
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Effective anchorage depth h_{ef}:
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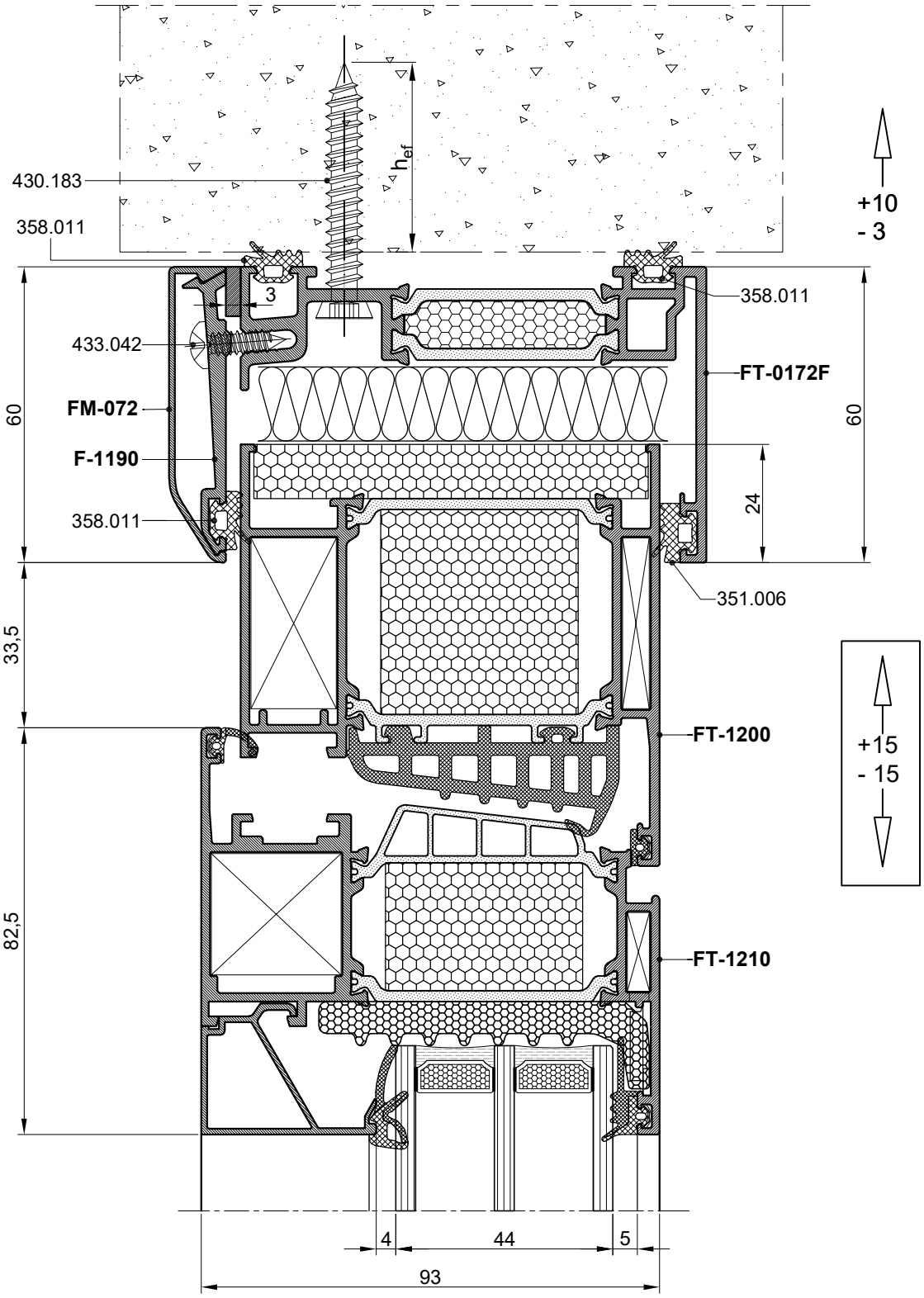
- vanjska obrada i završni izgled
- termoizolacija
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- element za ugradnju 521.286
- vijak za ugradnju (npr.430.184) (npr. Fischer FFS 7.5 x 62)
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

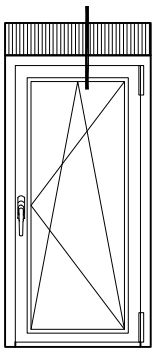
- outside finish
- thermal insulation
- weather protection (vapour-permable and water proof tape) (eg. Iso Chemie: Iso Connect Outside CX)
- Installation element 521.286
- Installation screw (eg. 430.184) (eg. Fischer FFS 7.5 x 62)
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barier (vapour and water proof tape) (eg. Iso Chemie: Iso Connect Inside CX)
- inside finish

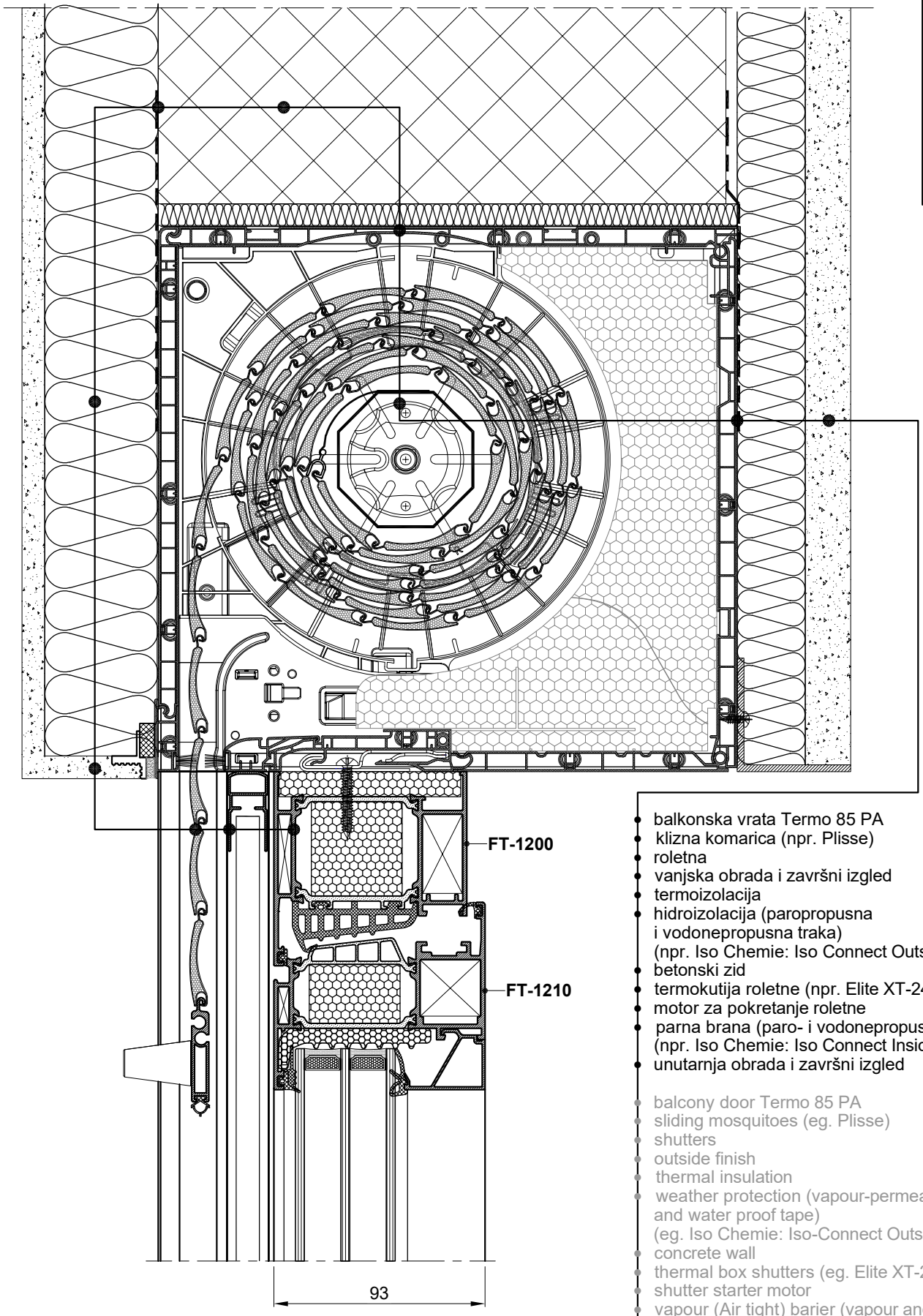


Efektivna dubina ankeriranja h_{ef}:
h_{ef} = 20-40mm u Beton
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Effective anchorage depth h_{ef}:
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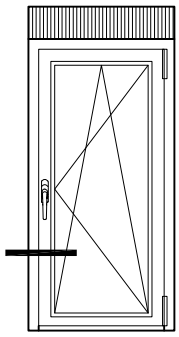






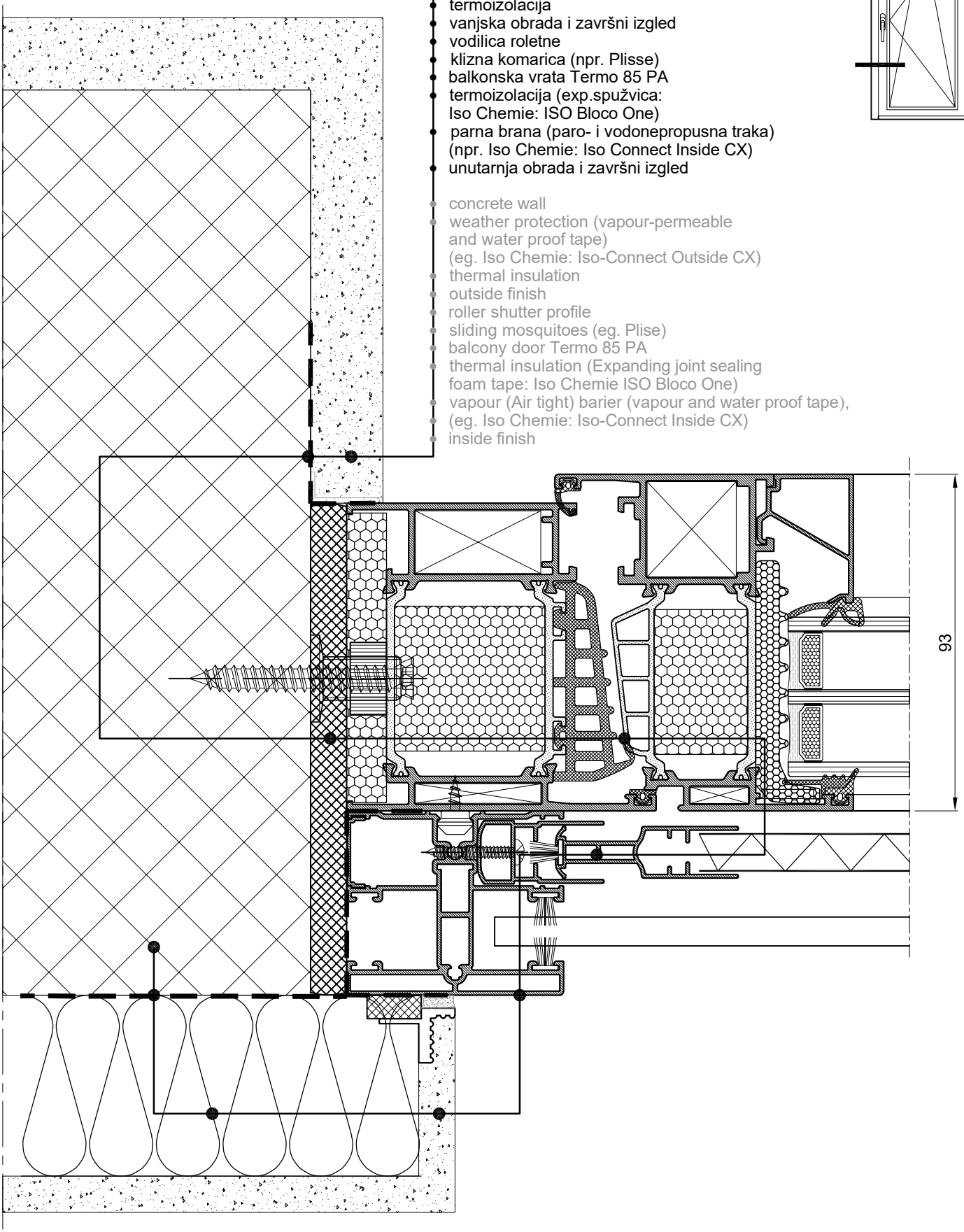
- balkonska vrata Termo 85 PA
- klizna komarica (npr. Plisse)
- roletna
- vanjska obrada i završni izgled
- termoizolacija
- hidroizolacija (paropropusna i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Outside CX)
- betonski zid
- termokutija roletne (npr. Elite XT-240x255)
- motor za pokretanje roletne
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

- balcony door Termo 85 PA
- sliding mosquitoes (eg. Plisse)
- shutters
- outside finish
- thermal insulation
- weather protection (vapour-permeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- concrete wall
- thermal box shutters (eg. Elite XT-240x255)
- shutter starter motor
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish



- betonski zid
- hidroizolacija (paropropusna i vodonepropusna traka) (npr.Iso Chemie: Iso Connect Outside CX)
- termoizolacija
- vanjska obrada i završni izgled
- vodilica roletne
- klizna komarica (npr. Plisse)
- balkonska vrata Termo 85 PA
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- parna brana (paro- i vodonepropusna traka) (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled

- concrete wall
- weather protection (vapour-permeable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- thermal insulation
- outside finish
- roller shutter profile
- sliding mosquitoes (eg. Plise)
- balcony door Termo 85 PA
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish



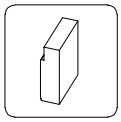
Obrada i montaža
Processing and montage



PILANJE PROFILA

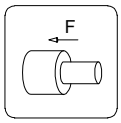
1.PILA

- koristiti oštar nož pile,
- uzeti u obzir tolerancije pilanja,
- provjeriti točnost dimenzija,
- koristiti glavne i pomoćne zatezače-pakne



2. UMETAK ZA PILANJE PROFILA

- koristiti podloške odnosno umetke za pravilno pozicioniranje profila prije samog pilanja, (vidjeti smjernice za obradu, kao i pravilan odabir umetaka)
- umetke postaviti u pravilan položaj



3. ZATEZAČI - PAKNE

- osigurati pravilan položaj zatezanja, (prije samog zatezanja provjeriti da li je profil bez nagiba)

PROFILE SAWING

1.SAW

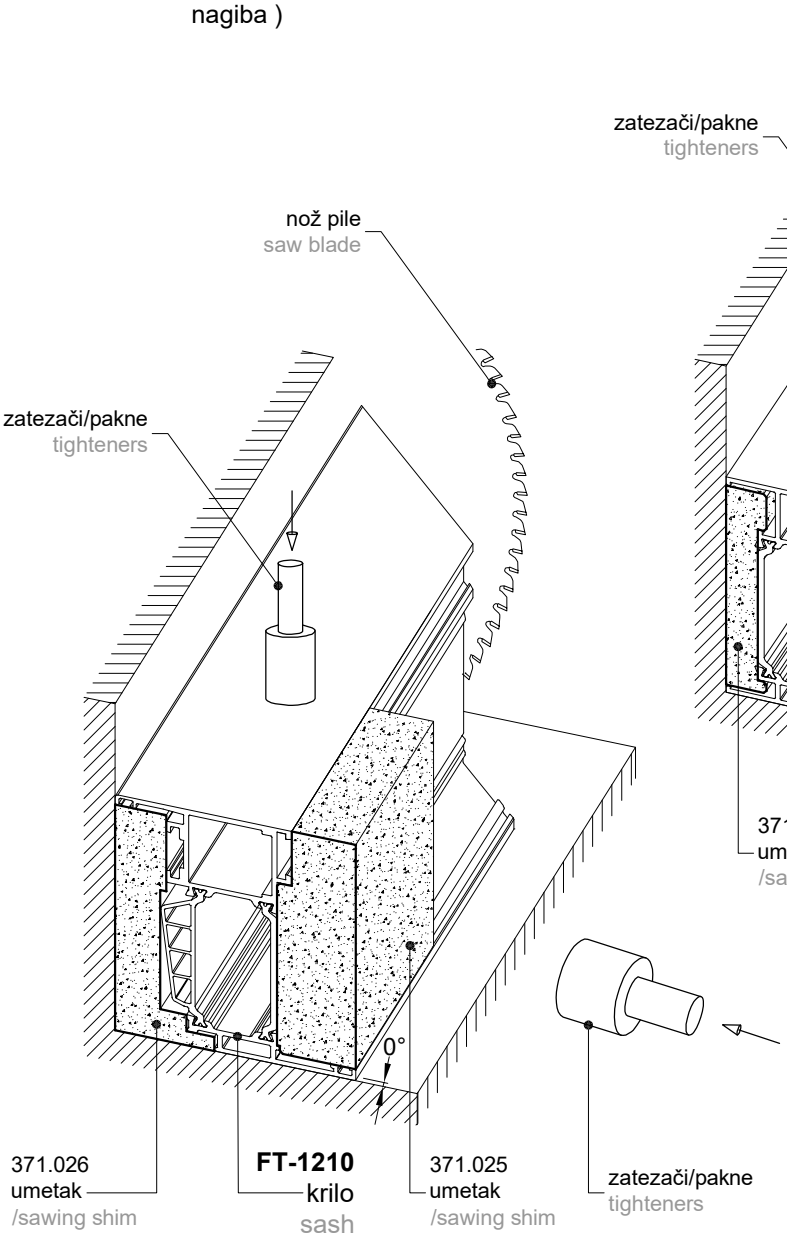
- use sharp saw blade,
- take in the account of sawing tolerances,
- check dimension accurancy,
- use main and auxiliary tighteners

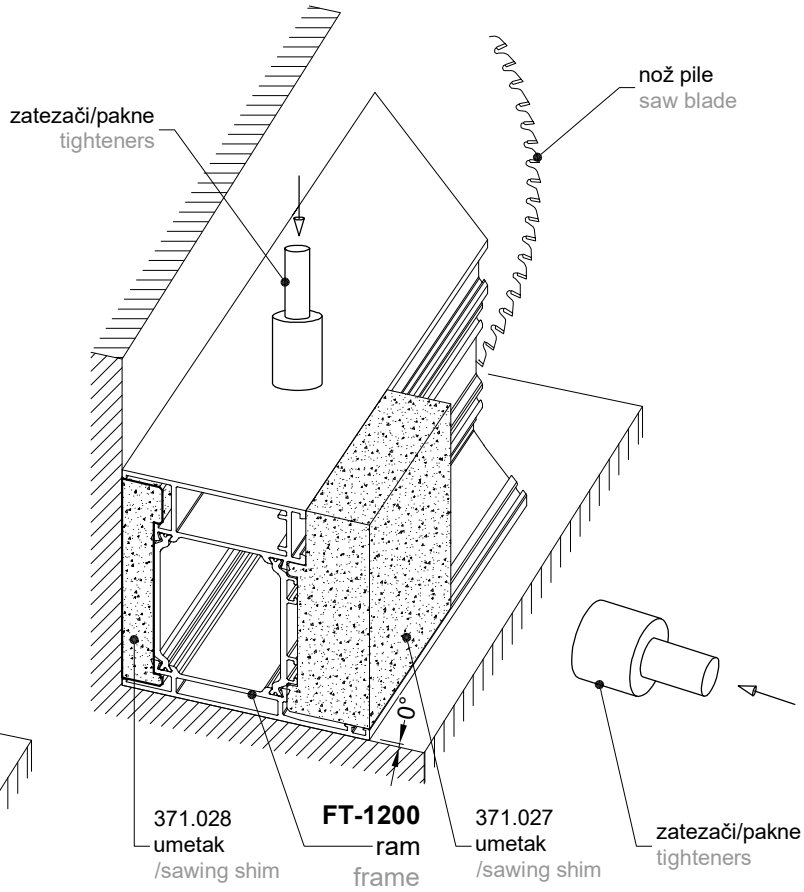
2. SAWING SHIM

- use sawing shims for proper positioning before the sawing, see processing guidelines and proper shim selection)
- set shims in the proper position

3. TIGHTENERS

- insure that the profile is in the right position (before the tightening check that the profile is not tilted)







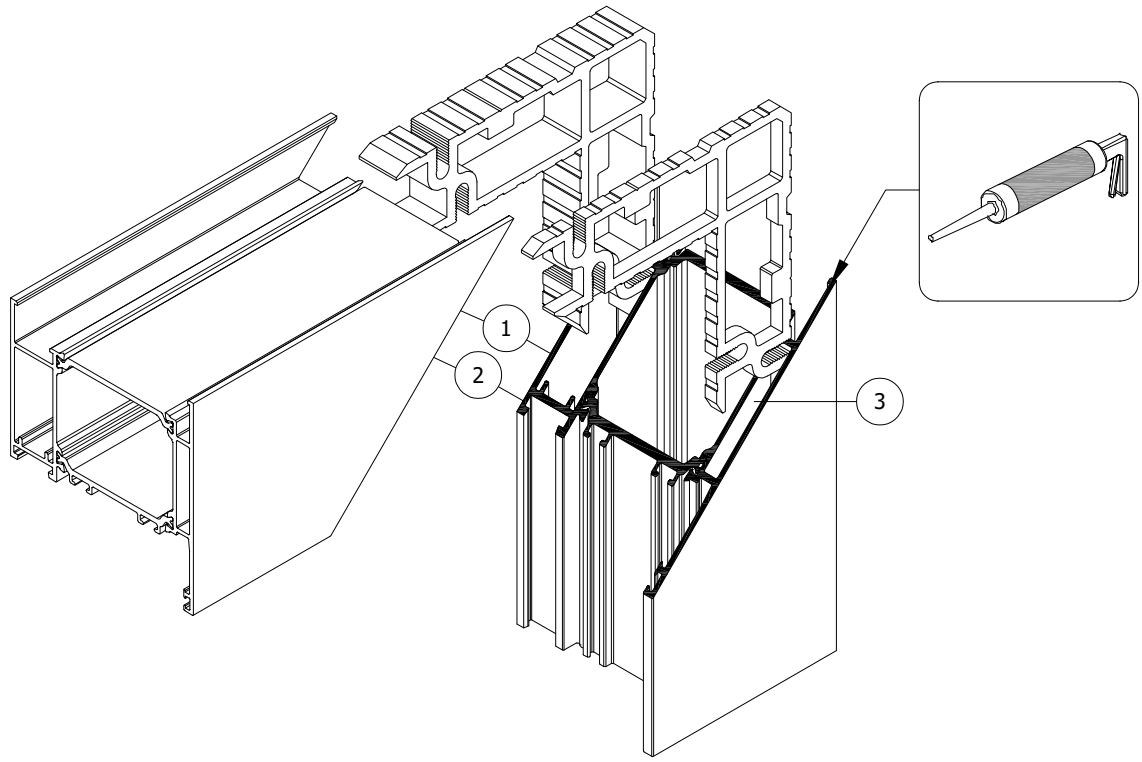
POGREŠNO!

- pogrešan smjer/kut zatezanja,
- profil sa nagibom (kut > 0°),
- pogrešan spoj umetka i profila,
- pogrešna dimenzija pilanja

WRONG!

- wrong tightening angle,
- profile is tilted (angle > 0°),
- wrong connection between shim and profile,
- wrong sawing dimesion

SPAJANJE PROFILA KUTNIM SPOJNICAMA POD KUTEM OD 90°
CONNECTION OF PROFILES WITH CORNER BRACKETS AT 90° ANGLE



POSTUPAK SPAJANJA PROFILA:

1. Sve površine koje se spajaju-rezove očistiti i odmastiti odgovarajućim sredstvom /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.
2. Premazati sve površine koje se spajaju ljepilom za metal /npr. "Henkel" - *Teroson MS 939* /.
3. Ljepilo za metal ubrizgati u komore za kutnik (po opsegu komore)
4. Profile s kutnim spojnicama izravnati i spojiti
5. Dio ljepila koji iscuri između rezova očistiti sredstvom za čišćenje i odmašćivanje /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NAPOMENA:

Ovaj postupak spajanja profila primjenjiv je za sve Feal-ove kutne spojnice i njima odgovarajuće komore. Lijepljenjem rezova i kutnika ljepilima za metal, osigurava se potrebna zrako- i vodonepropusnost spoja kao i dodatna mehanička čvrstoća spoja.

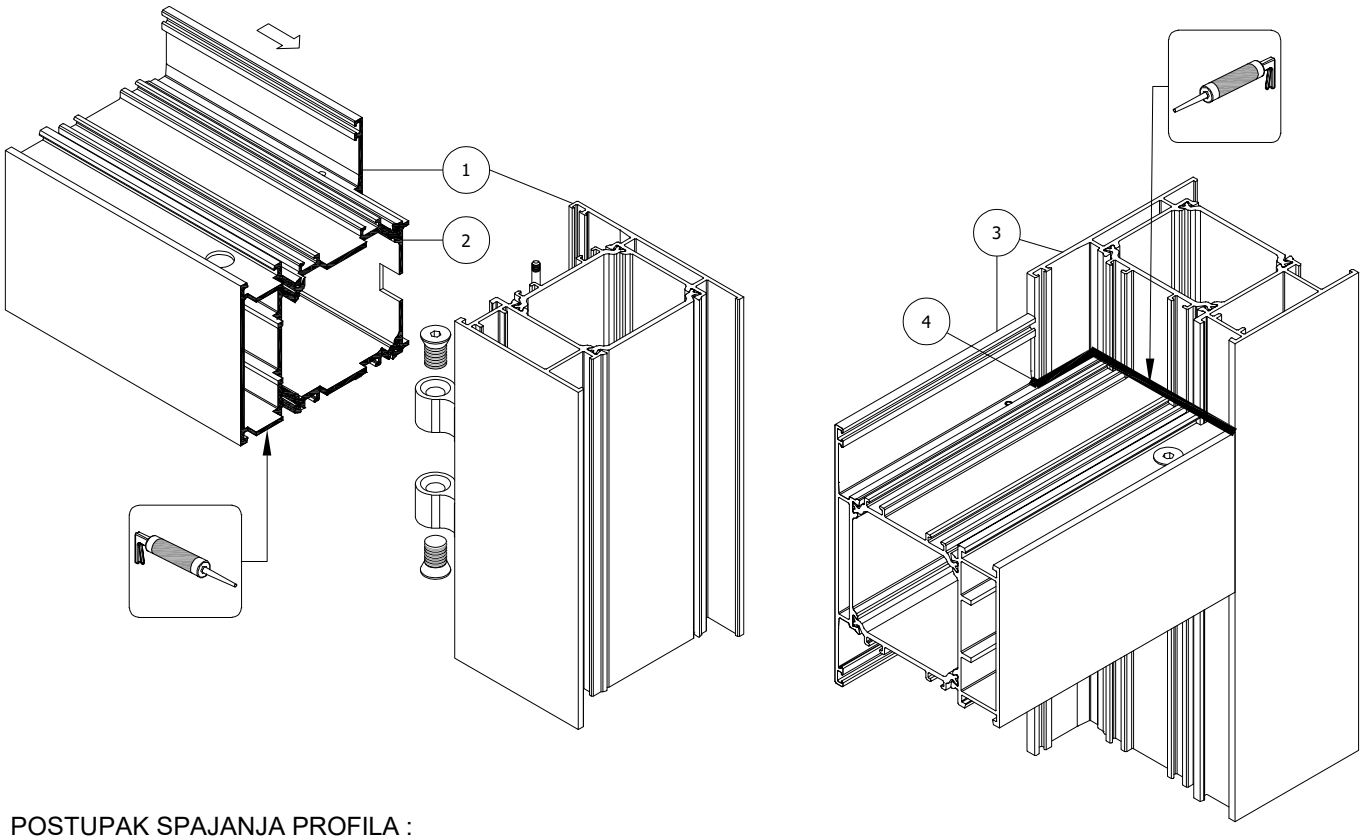
PROFILE CONNECTION PROCEDURE:

1. Clean and degrease all connecting surfaces with suitable products /e.g. "Henkel" - *Teroson VR 20 or Teroson FL+* /.
2. Smear connecting all surfaces with metal glue /e.g. "Henkel" - *Teroson MS 939* /.
3. Inject metal glue into chambers for the corner bracket (on chamber edges)
4. Level profiles with corner brackets and connect
5. Leaked glue that comes from the joints remove with cleaning and degreasing products /e.g. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NOTE:

This profile connection procedure is applicable for all Feal corner brackets and their appropriate chambers. By gluing the profile and corner brackets with a metal glue, necessary air and water tightness of the joint as well as additional mechanical properties is ensured

SPAJANJE PROFILA POMOĆU VEZNIKA
CONNECTING OF PROFILES BY USING CONNECTING ELEMENT -(T-BRACKET)



POSTUPAK SPAJANJA PROFILA :

1. Sve površine koje se spajaju-rezove očistiti i odmastiti odgovarajućim sredstvom /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.
2. Premazati sve površine koje se spajaju ljepilom za metal /npr. "Henkel" - *Teroson MS 939* /.
3. Profile s veznicima izravnati i spojiti
4. **Nakon spajanja profila, sve spojeve profila ispuniti ljepilom za metal** /npr. "Henkel" - *Teroson MS 939* /.
5. Dio ljepila koji iscuri između rezova očistiti sredstvom za čišćenje i odmašćivanje /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NAPOMENA:

Lijepljenjem rezova, kao i svih spojeva profila sa ljepilima za metal, osigurava se potrebna zrako i vodonepropusnosti spoja kao i dodatna mehanička čvrstoća spoja.

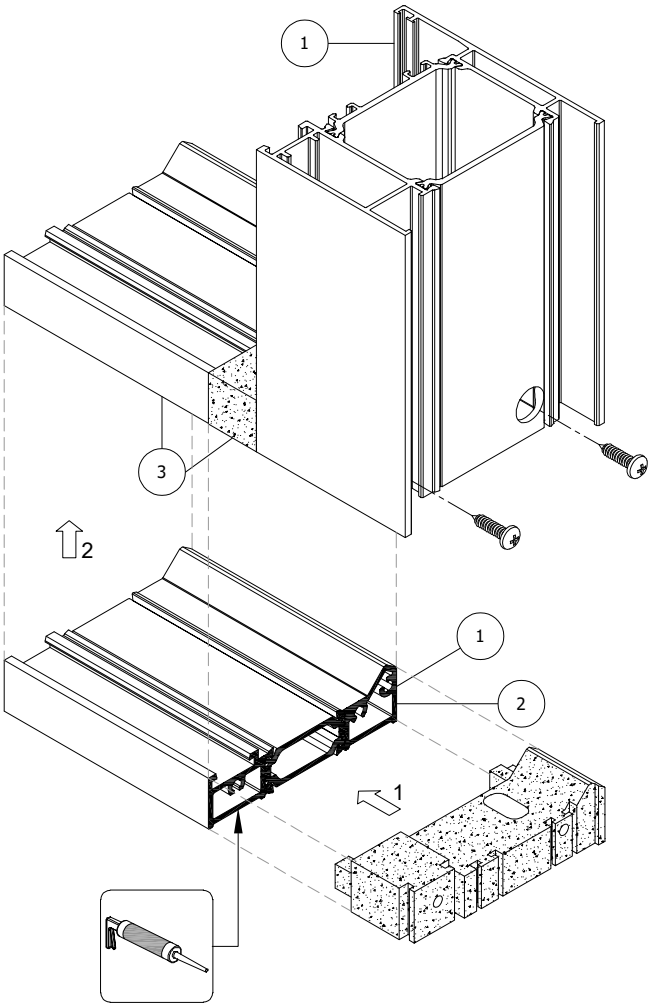
PROFILE CONNECTION PROCEDURE:

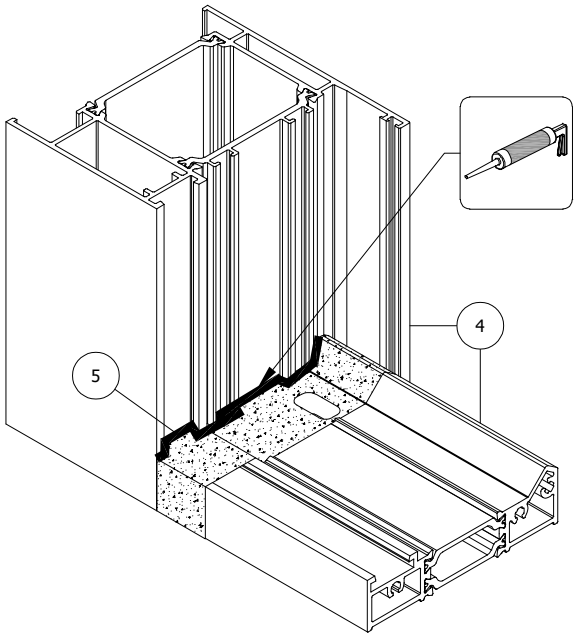
1. Clean and degrease all connecting surfaces with suitable products /e.g. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.
2. Smear connecting all surfaces with metal glue /e.g. "Henkel" - *Teroson MS 939* /.
3. Level profiles with connecting element (T-bracket) and connect
4. **After joining the profile, all profile joints must be filled with metal glue** /e.g. "Henkel" - *Teroson MS 939* /.
5. Leaked glue that comes from the joints remove with cleaning and degreasing products /e.g. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NOTE:

By gluing the profile, as well as all profile joints with a metal glue, necessary air and water tightness of the joint as well as additional mechanical properties is ensured.

SPAJANJE PROFILA PRAGA S PROFILOM RAMA POMOĆU UMETKA
CONNECTING THE THRESHOLD PROFILE WITH FRAME PROFILE USING END INSERT





POSTUPAK SPAJANJA PROFILA :

1. Sve površine koje se spajaju-rezove očistiti i odmastiti odgovarajućim sredstvom /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.
2. Na profilu praga premazati sve površine koje se spajaju ljepilom za metal /npr. "Henkel" - *Teroson MS 939* /.

2.1. Ljepilo za metal ubrizgati u komore profila praga na mjestima gdje ulazi umetak (po opsegu komore)

3. Profil praga i umetak izravnati i spojiti.
4. Profil praga sa spojenim umetkom izravnati i spojiti sa profilom rama.
5. **Nakon spajanja profila, sve spojeve profila i umetka ispuniti ljepilom za metal** /npr. "Henkel" - *Teroson MS 939* /.
6. Dio ljepila koji iscuri između rezova očistiti sredstvom za čišćenje i odmašćivanje /npr. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NAPOMENA:

Lijepljenjem rezova, kao i svih spojeva profila sa ljepilima za metal, osigurava se potrebna zrako i vodonepropusnosti spoja kao i dodatna mehanička čvrstoća spoja.

PROFILE CONNECTION PROCEDURE:

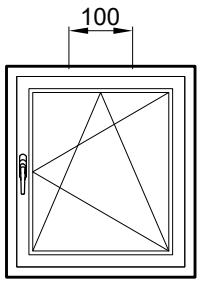
1. Clean and degrease all connecting surfaces with suitable products /e.g. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.
2. On threshold profile smear all connecting surfaces with metal glue /e.g. "Henkel" - *Teroson MS 939* /.

2.1. Inject metal glue into chambers on ends of the profile for the insert (on chamber edges).

3. Level threshold profile with insert and connect them
4. Level threshold profile with the connected insert with the frame and connect them
5. **After joining the profiles, all profile connections must be filled with metal glue** /e.g. "Henkel" - *Teroson MS 939* /.
6. Leaked glue that comes from the joints remove with cleaning and degreasing products /e.g. "Henkel" - *Teroson VR 20 ili Teroson FL+* /.

NOTE:

By gluing the profile, as well as all profile joints with a metal glue, necessary air and water tightness of the joint as well as additional mechanical properties is ensured.



UPORABA BRTVE 327.002

-Ovisno je li prozor izložen manjoj ili većoj količini padalina, postoji mogućnost da dođe do "zagušenja" /otvori za kondenzat na profilu rama ne mogu odvesti sve kapljevine koje uđu u za to predviđeni prostor u profilu rama/, te postoji mogućnost ulaska vode u unutarnji dio profila tj. u objekt. Da bi se ovo spriječilo koristi se brtva 327.002.

-Brtvu 327.002 umetnuti po opsegu prozora, samo u gornjem pojasu se brtva prekida radi omogućavanja ventilacije prozora /vidjeti skicu/.

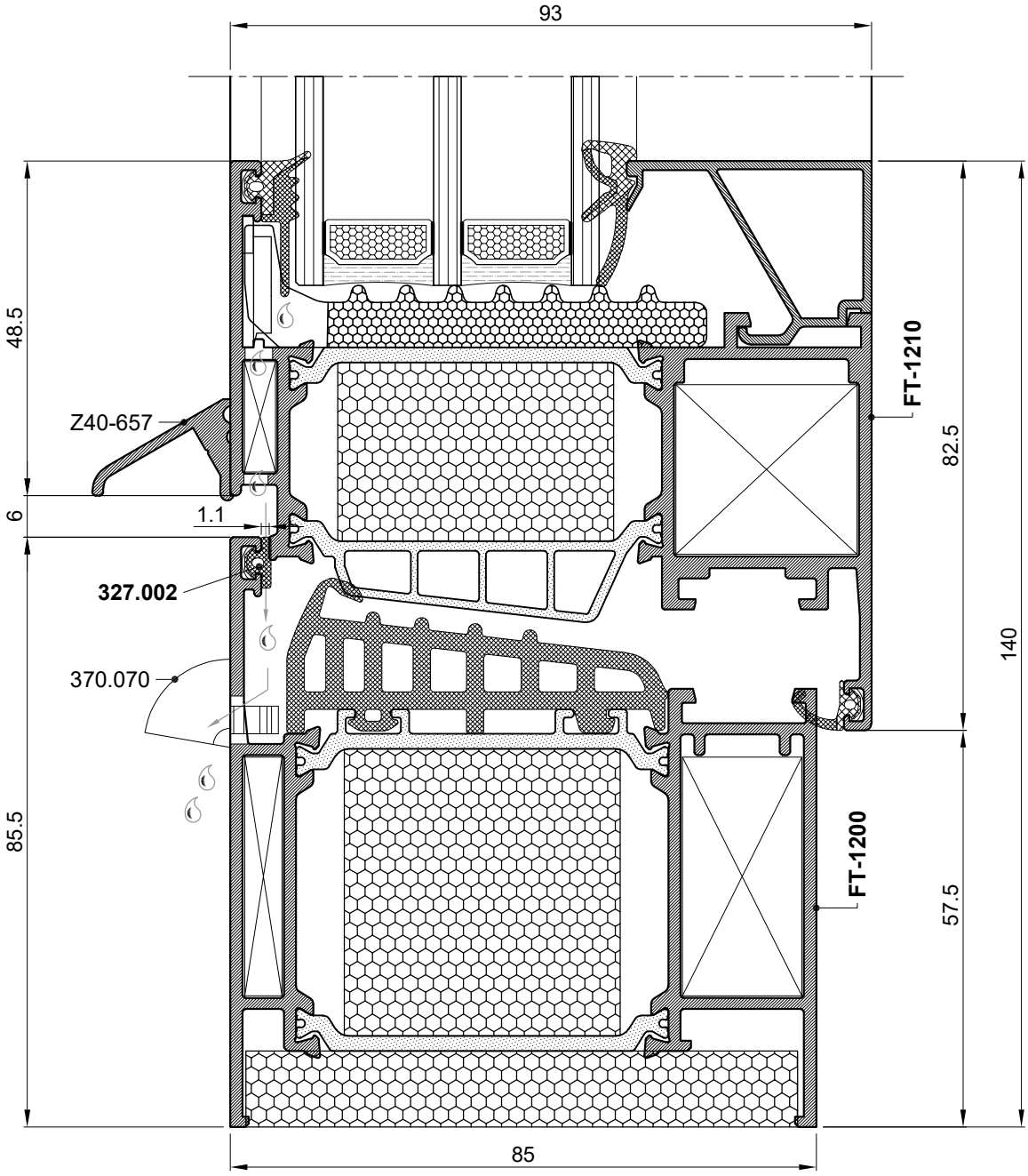
-Korištenje brtve 327.002 zahtjeva uporabu kutnika 730.001.

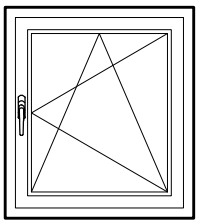
APPLIANCE OF GASKET 327.002

-Depending on whether the window is exposed to a smaller or larger amount of percipitation, there is a possibility for "overflooding" and drainage openings for condensate on frame profile can't take out all the water that enters the drainage space in the frame profile, which increases the possibility of water entering into interior part of profile, or inside the object. To prevent this it is recommended to use gasket 327.002.

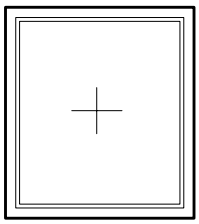
-Gasket 327.002 is to be placed around the sash edges except in upper postiion where it is partially cut out because of window ventilation /see scheme/.

-Using of gasket 327.002 demands also using of 730.001 corner bracket.





ODVOD KAPLJEVINA IZ PROZORA
WINDOW WATER DRAINAGE



ODVOD KAPLJEVINA IZ OTVARAJUĆEG PROZORA

Kapljevine koje uđu u krilo između vanjske brtve i staklo ispune,vode se kroz otvor na termo ispuni 340.142 i profilu krila prema vani. Dio kapljevina iz krila i kapljevine s vana ulaze u predviđeni prostor u profilu rama te ga napuštaju kroz otvore u profilu koji se maskiraju čepom 370.070.
Napomena: Otvore na profilu rama uvijek držati otvorene.

DRAINAGE FROM AN OPENING WINDOW

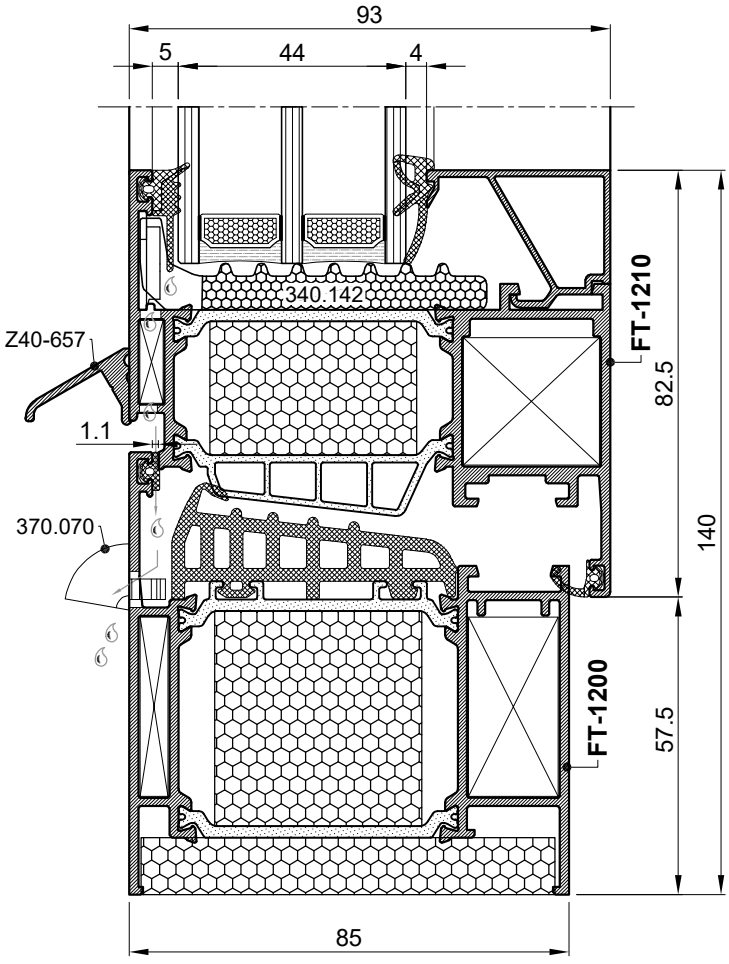
Rain water that enters in the sash between exterior gasket and glass filling is drained outwards through drainage openings on thermo insulation 340.142 and sash profile. Part of the rain water from inside the sash and rain water from outside enters the drainage space in the profile and drains through drainage openings on profile which are masked with cap 370.070.
Note: Drainage openings on profile should be always open.

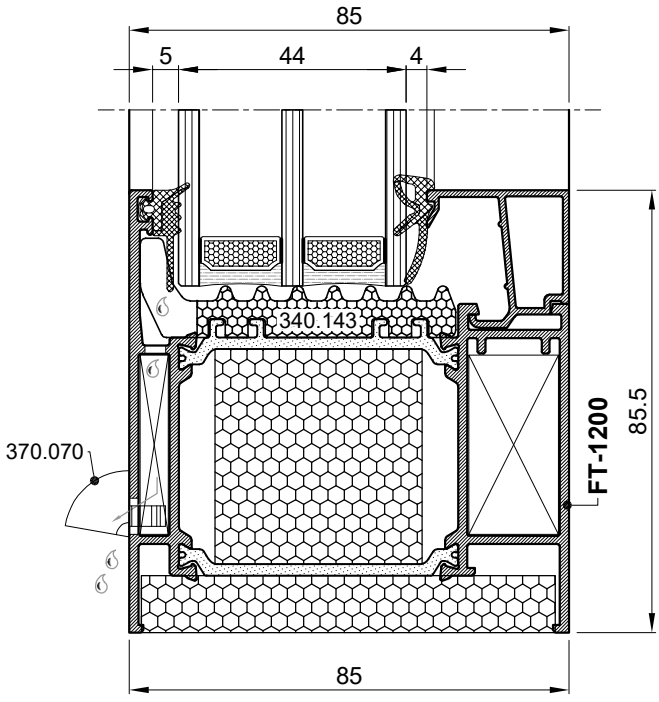
ODVOD KAPLJEVINA IZ FIKSNOG PROZORA

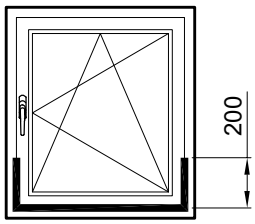
Kapljevine koje uđu u ram između vanjske brtve i staklo ispune,vode se kroz otvor na termo ispuni 340.143 i profilu rama prema vani.Otvori u profilu se maskiraju čepom 370.070
Napomena: Otvore na profilu rama uvijek držati otvorene.

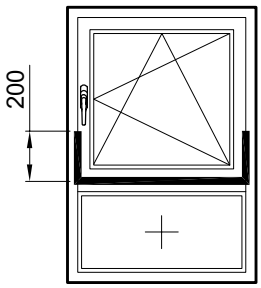
DRAINAGE FROM AN FIXED WINDOW

Rain water that enters in the sash between exterior gasket and glass filling is drained outwards through drainage openings on thermo insulation 340.143 and frame profile. Drainage openings on the profile are masked with cap 370.070
Note: Openings on profile should be always open.



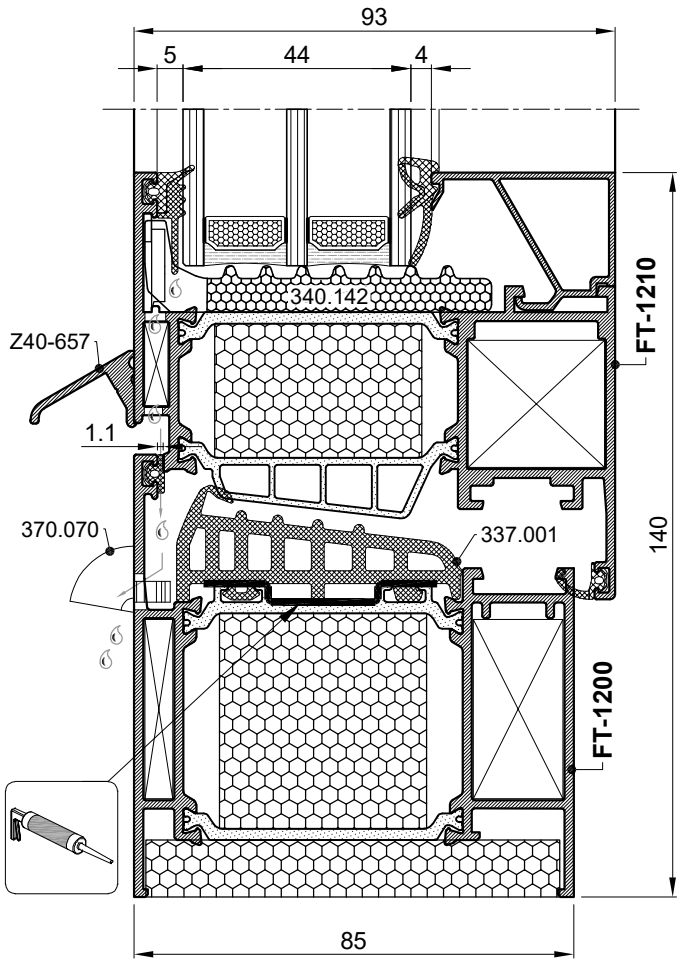


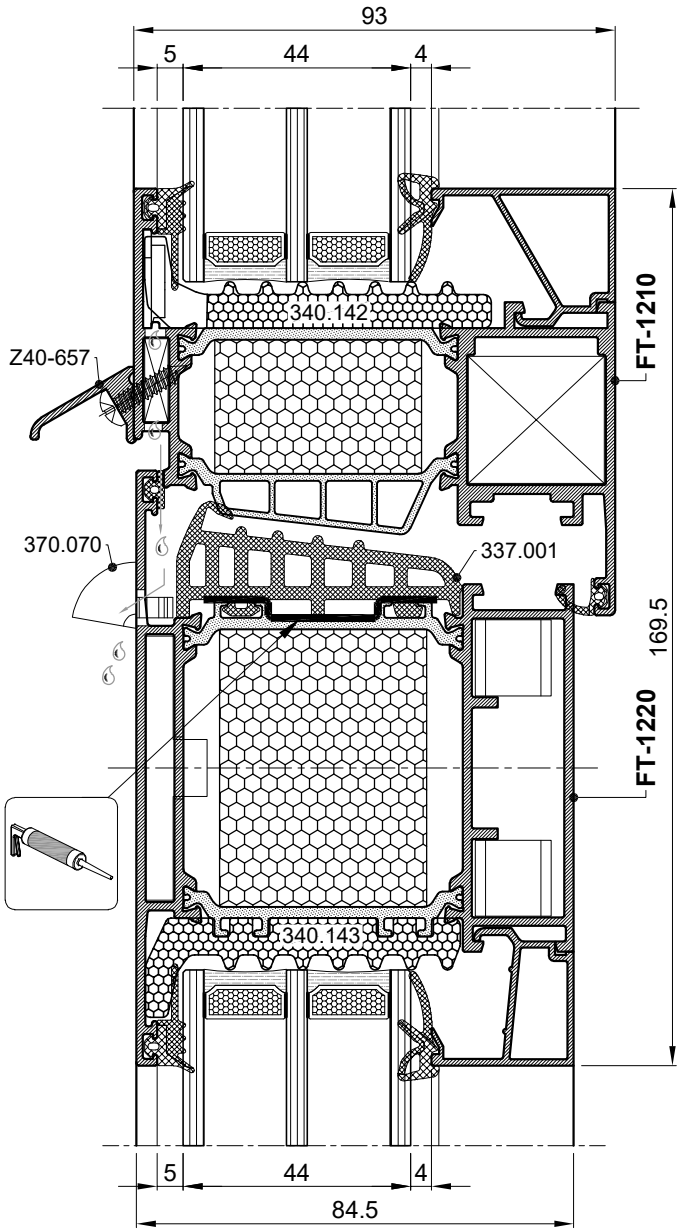


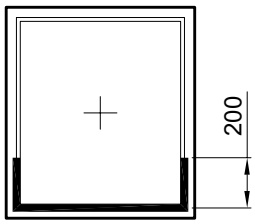


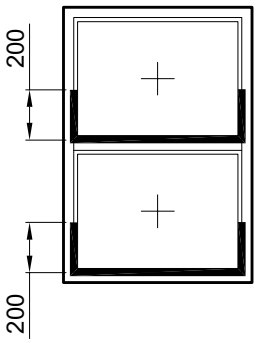
LIJEPLJENJE CENTRALNE BRTVE ZA PODLOGU
U uvjetima veće izloženosti prozora padalinama,
radi mogućeg prodora kapljevina,
preporučuje se lijepljenje centralne brtve 337.001 za podlogu,
neutralnim ljepilom / npr. "Henkel" - *Teroson MS 939* /
prema crtežu.

GLUEING OF CENTRAL GASKET TO THE PROFILE
In conditions of larger rain precipitation, to prevent possible
rain water breach, it is recommended to glue the central
gasket 337.001 to the profile with neutral glue
/ e.g. "Henkel" - *Teroson MS 939* /.
as shown on the drawing.



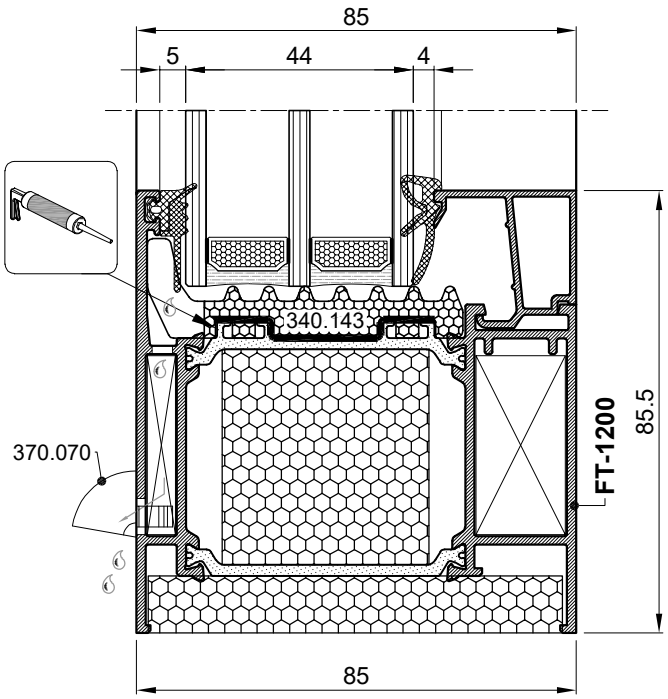


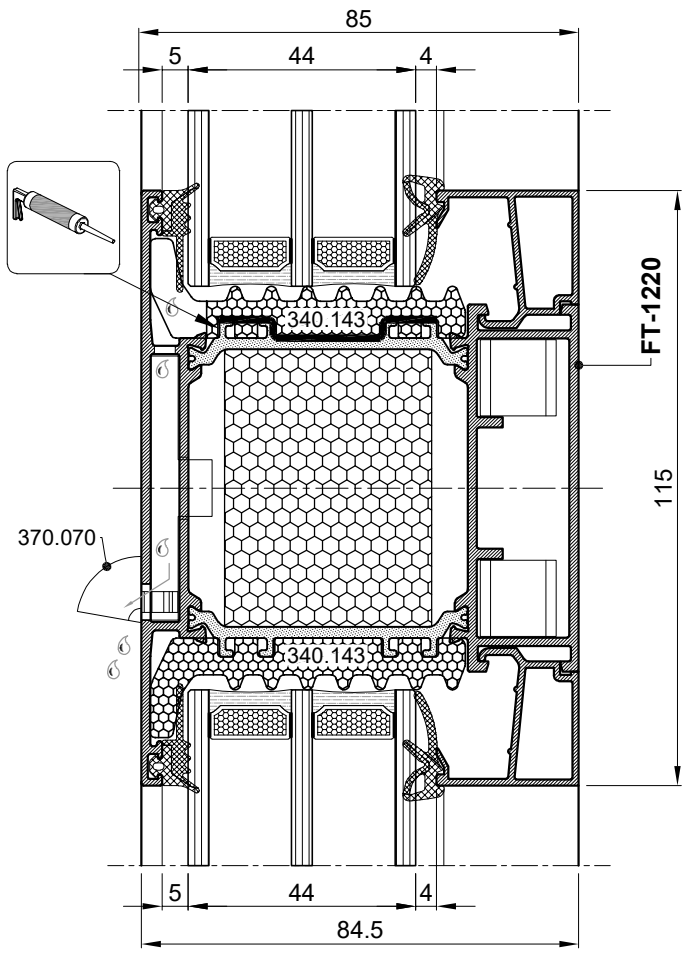




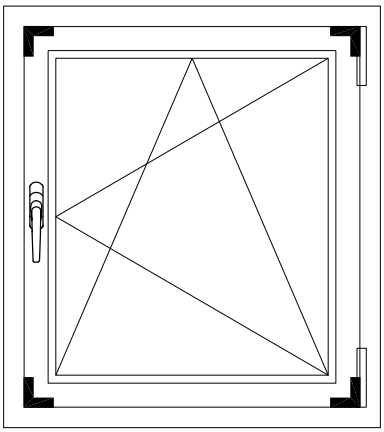
LIJEPLJENJE ISPUNE ZA PODLOGU
U uvjetima veće izloženosti prozora padalinama, radi mogućeg prodora kapljevina, preporučuje se lijepljenje termo ispune 340.143 za podlogu, neutralnim ljepilom / npr. "Henkel" - *Teroson MS 939* /, prema crtežu.

GLUEING OF THE THERMO INSULATION
In conditions of larger rain percipitation, to preventing possible rain water breach, it is recommended to glue thermo insulation 340.143 to the profile with neutral glue / e.g. "Henkel" - *Teroson MS 939* /. as shown to the drawing.

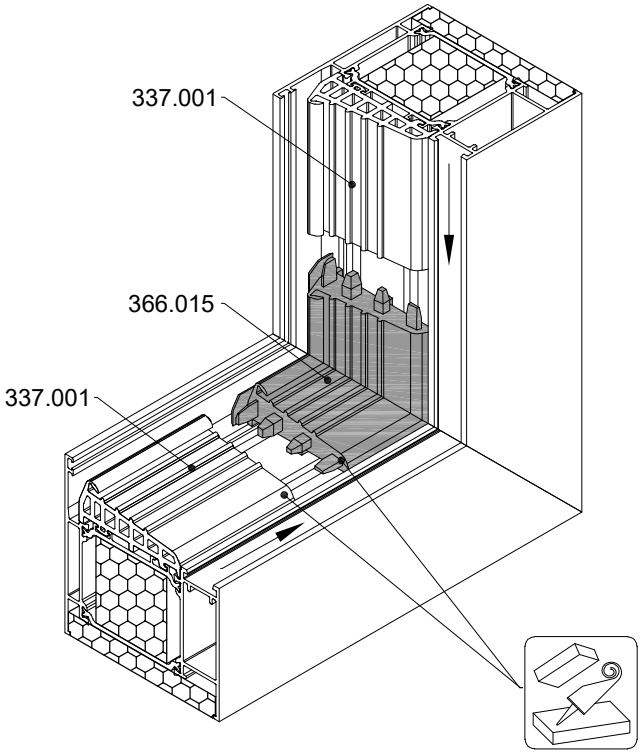


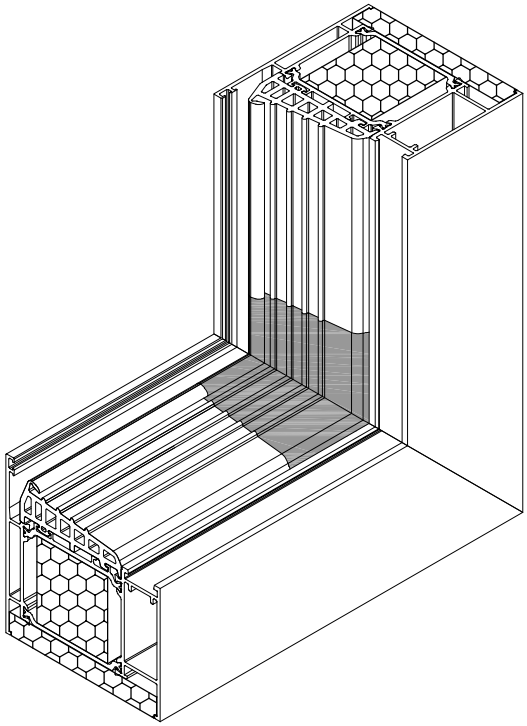


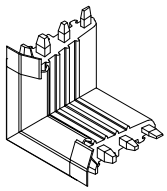
DETALJ UGRADNJE KUTNOG UMETKA CENTRALNE BRTVE
INSTALLATION DETAIL OF CORNER INSERT CENTRAL GASKET



-Preporučuje se, na mjestu dodira, lijepljenje centralne brtve 337.001 i kutnog umetka 366.015 ljepilom za EPDM (npr.trenutno ljepilo Loctite 4090).
-Lijepljenjem se osigurava neprekidnost centralne brtve čime se osigurava potrebna zrakopropusnost i vodonepropusnost spoja.
-It is recommended, at the point of contact, bonding of the central gasket 337.001 and the corner insert 366.015 with EPDM adhesive (eg Loctite 4090 instant adhesive).
-Gluing ensures the continuity of the central gasket, ensuring the necessary airtightness and watertightness of the joint.







366.015 -Kutni umetak za centralnu brtvu 337.001
366.015 -Corner insert for central gasket 337.001

PREPORUKA:

Uslijed elastičnosti, dilatacije te drugih utjecaja moguće je povlačenja (skupljanja) brtve prema staklu u žlijebu, što može dovodi do prodora vode u profil.

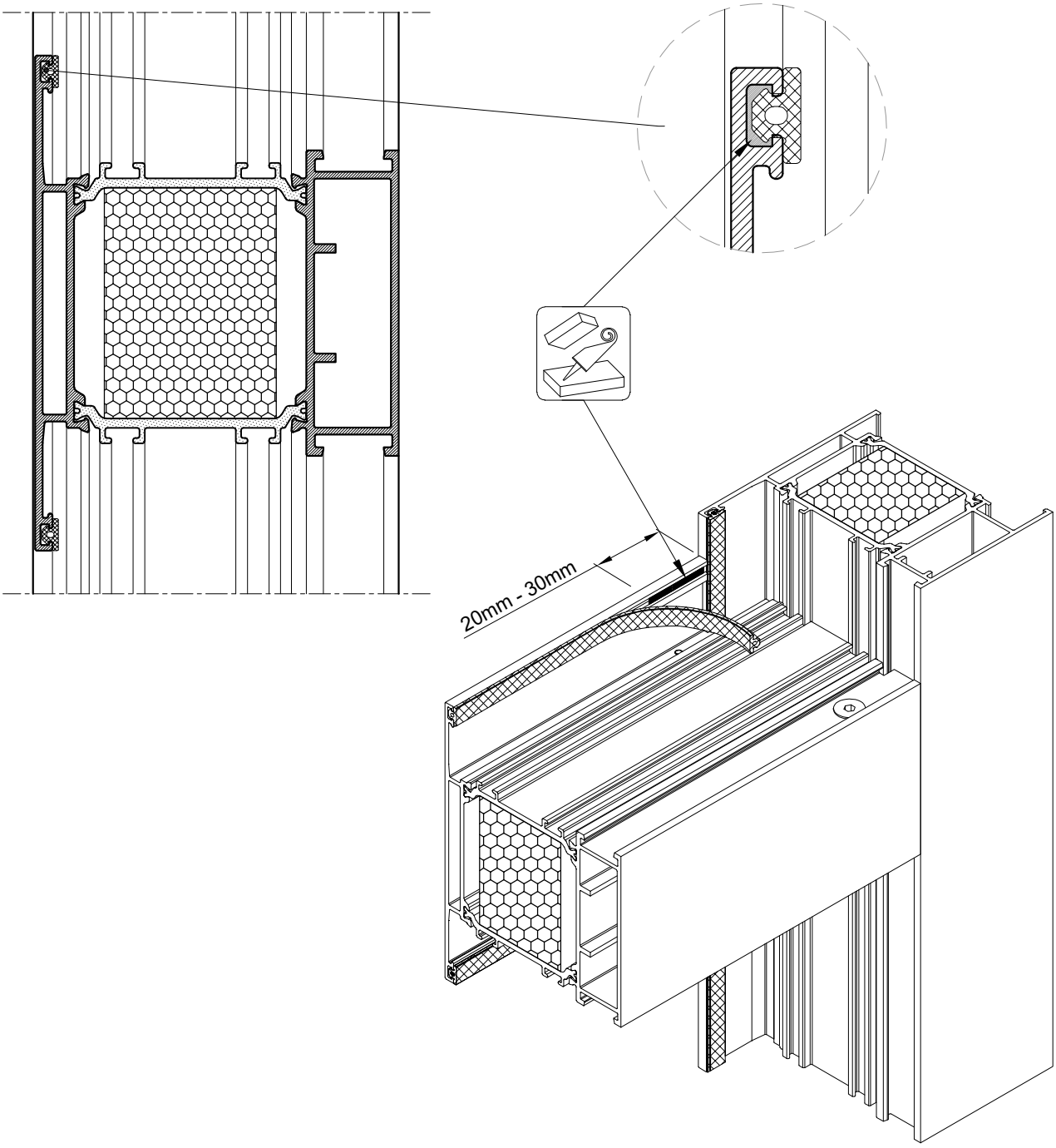
Preporučuje se lijepljenje kraja brtve ljepilima za metal i EPDM (npr.trenutno ljepilo Loctite 4090)-prema skici.

Odnosi se na sve brtve koje se uvlače u žlijeb.

RECOMMENDATION:

Due to elasticity, dilatation and other impacts gasket retraction towards the glass is possible, which can lead to water penetration in the profile .

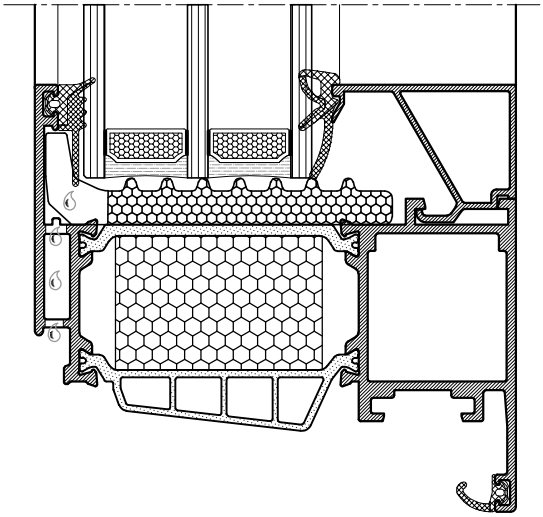
It is recommended to glue the gasket ends with adhesives for metal and EPDM (eg. Loctite 4090- according to the drawing) This applies to all the gaskets with groove placement.



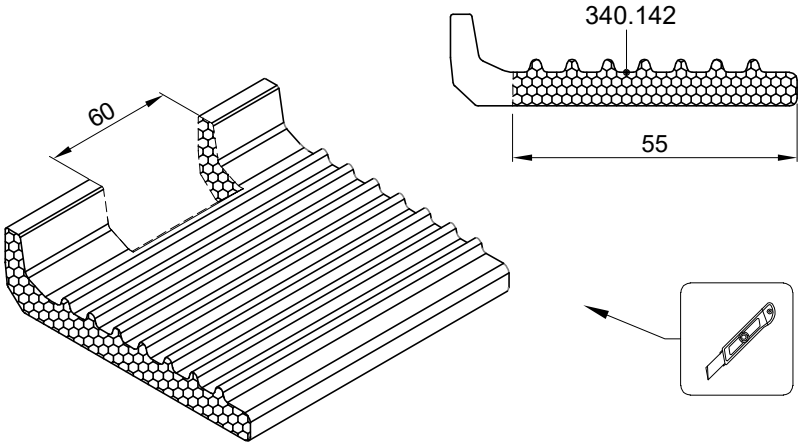
OBRADA TERMO ISPUNE XPE PO OPSEGU STAKLA ZA ODVODA KAPLJEVINA I VENTILIRANJA KOMORA KRILA PROZORA

PROCESSING OF THERMO INSULATION XPE AROUND THE GLASS FOR DRAINAGE AND VENTILATION OF SASH CHAMBERS

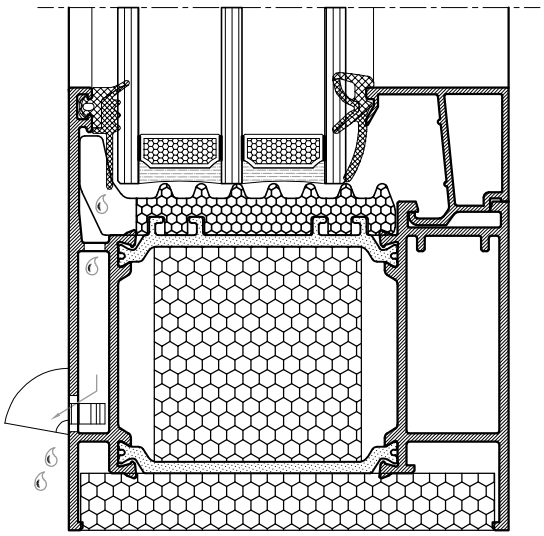
FT-1210



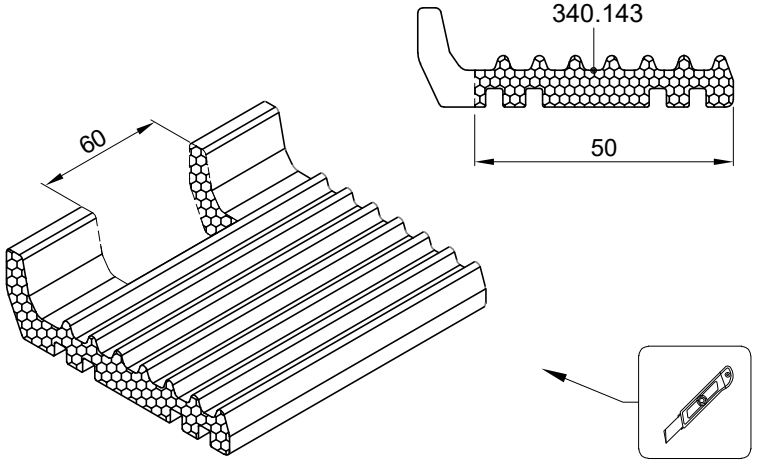
- obrada termo ispune XPE u donjem pojasu krila radi odvoda kapljevina
- obrada termo ispune XPE okomitih pojasa krila radi ventiliranja komora krila prozora (otvore na termo ispuni XPE raditi na mjestima gdje se nalaze i otvori za odvod kapljevina kao i otvori za ventiliranje komora krila prozora)
- Alat: škare ili skalpel
- processing of thermal insulation XPE in lower zone for water drainage
- processing of thermal insulation XPE in vertical zone for ventilation of sash chambers . (cutt-outs on the thermal insulation XPE should be made on positions where water drainage and ventilation slots are located)
- Work tool: scissores or scalpels

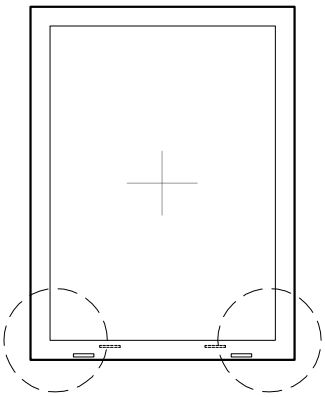


FT-1200

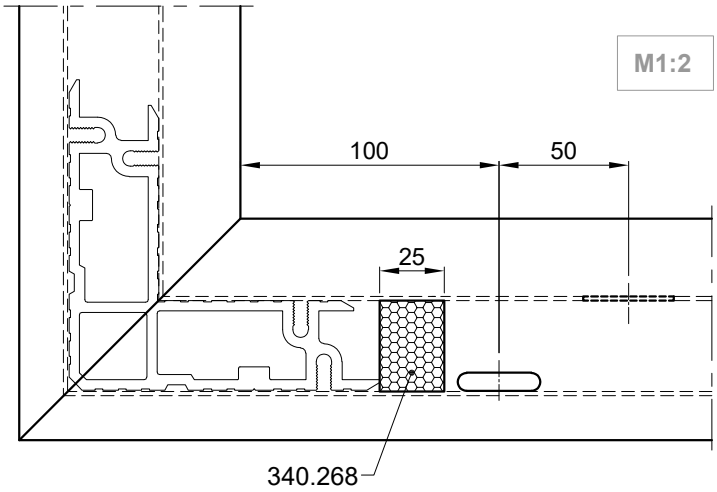


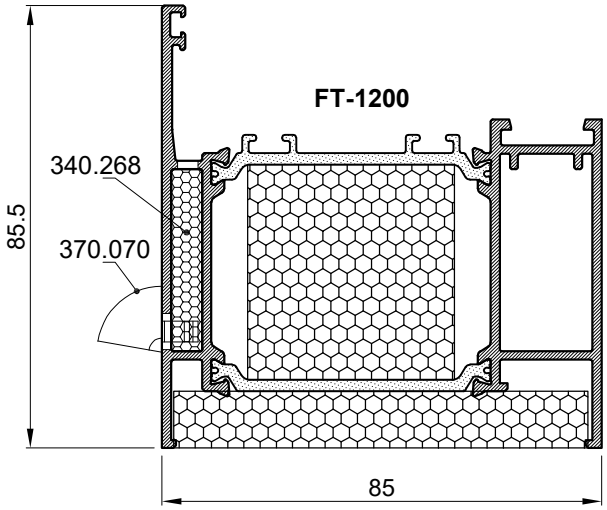
- obrada termo ispune XPE u donjem pojasu rama radi odvoda kapljevina (otvore na termo ispuni XPE raditi na mjestima gdje se nalaze i otvori za odvod kapljevina iz profila rama)
- Alat: škare ili skalpel
- processing of thermo insulation XPE in lower zone for water drainage (cutt-outs on the thermal insulation XPE should be made on positions where water drainage slots are located)
- Work tool: scissores or scalpels

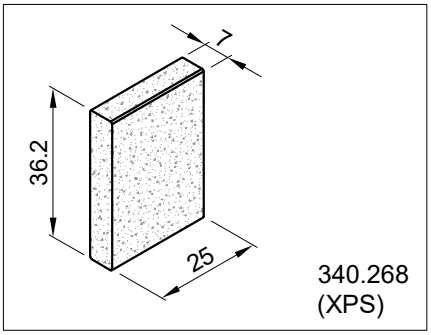




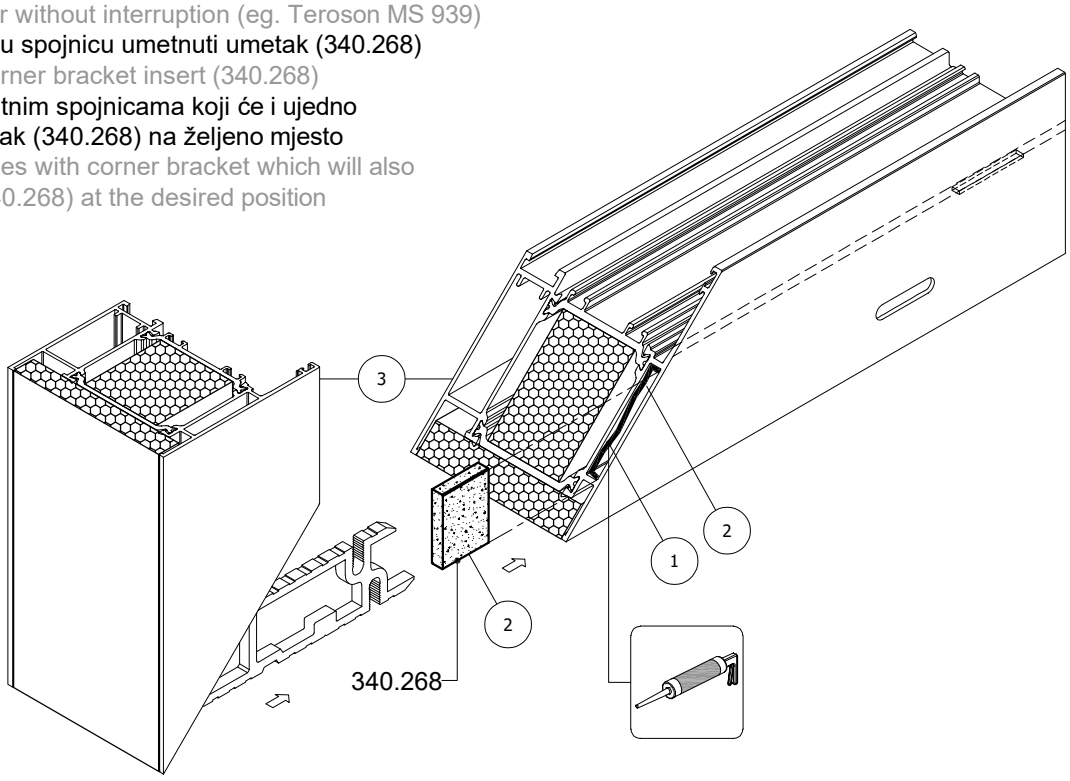
MONTAŽA XPS BARIJERE U PROFILU RAMA FT-1200 ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN FRAME PROFILE FT-1200 FOR WATER DRAINAGE

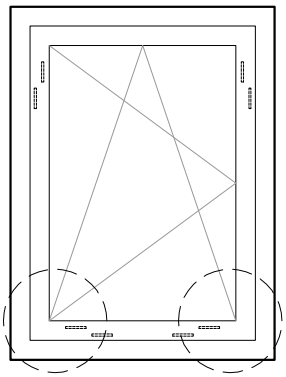




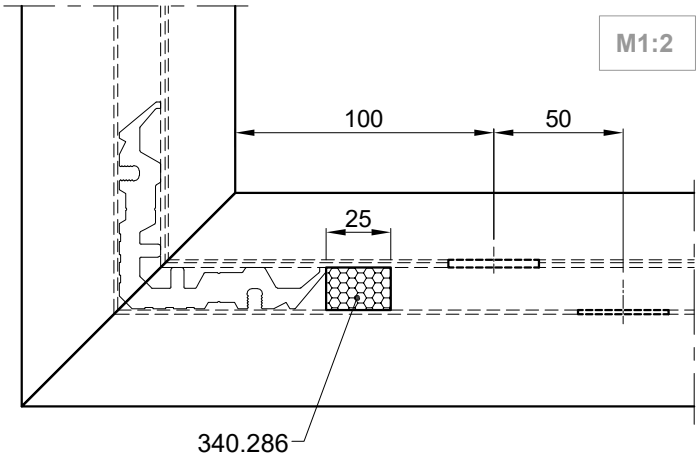


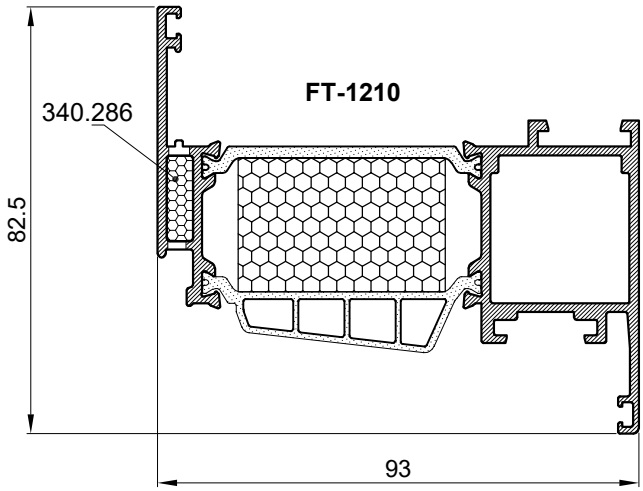
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.268)
   In chamber for corner bracket insert (340.268)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.268) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.268) at the desired position

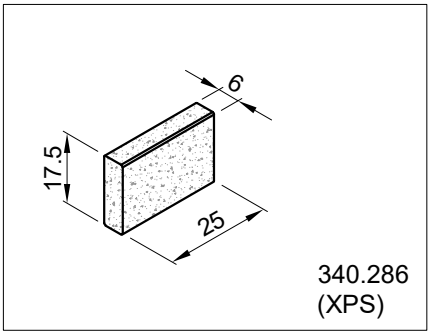




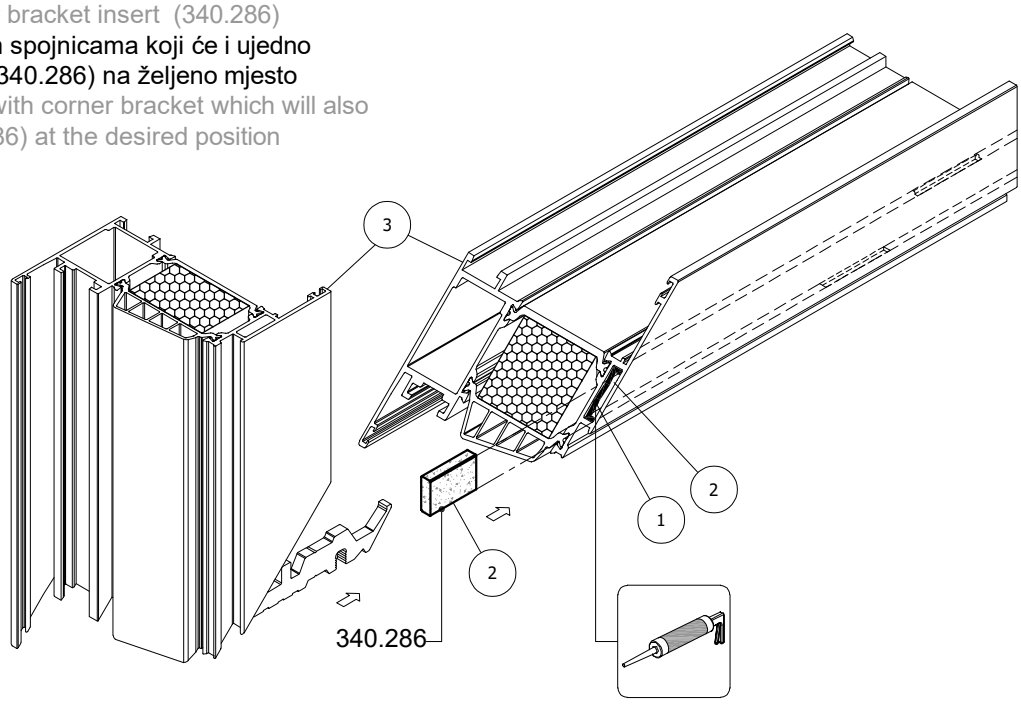
MONTAŽA XPS BARIJERE U PROFILU KRILA FT-1210 ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN SASH PROFILE FT-1210 FOR WATER DRAINAGE

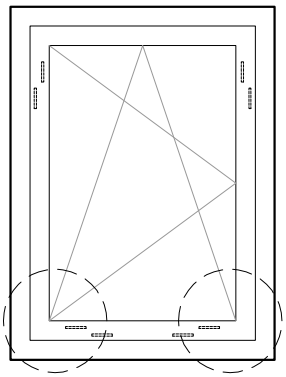




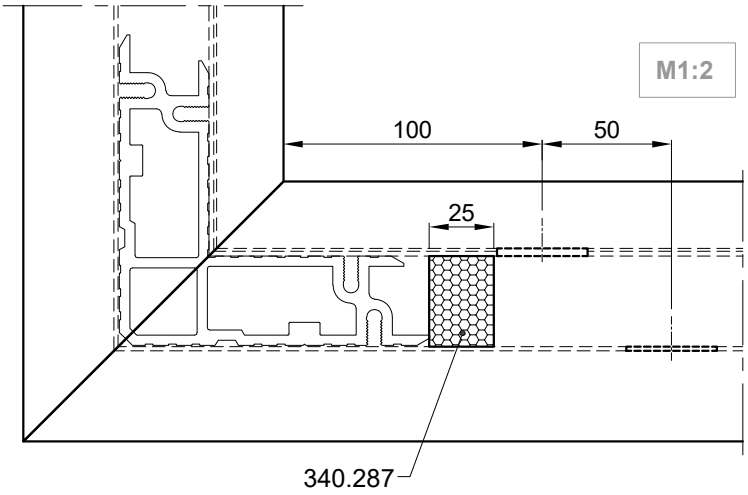


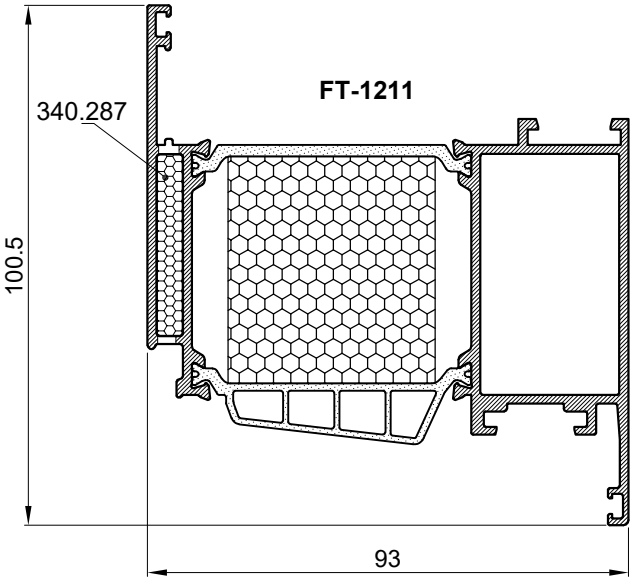
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.286)
   In chamber for corner bracket insert (340.286)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.286) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.286) at the desired position

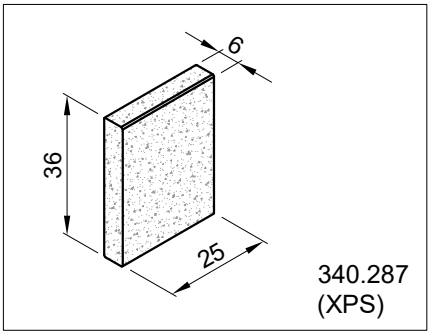




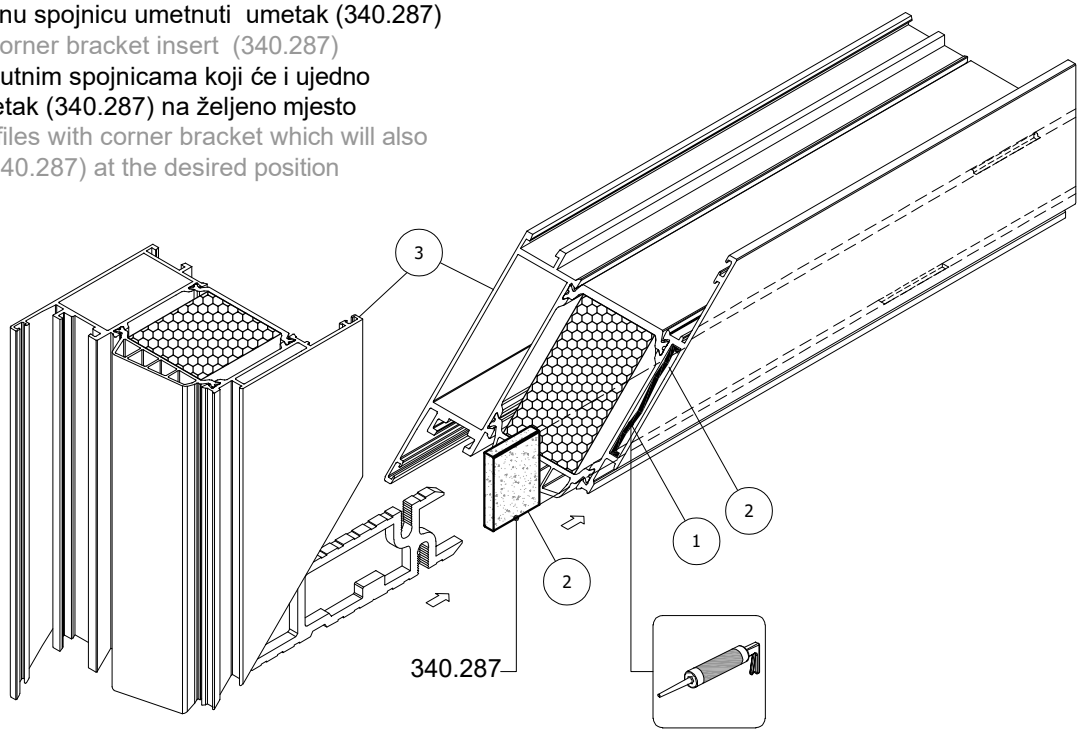
MONTAŽA XPS BARIJERE U PROFILU KRILA FT-1211 ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN SASH PROFILE FT-1211 FOR WATER DRAINAGE

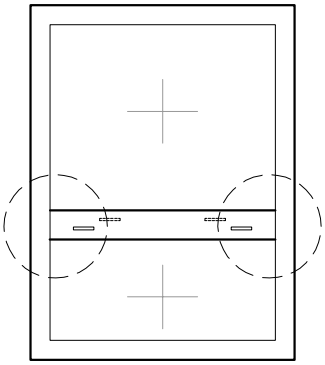




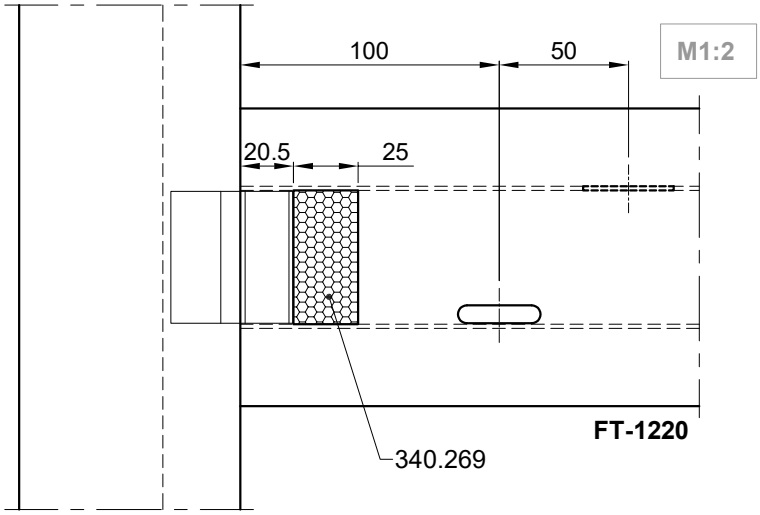


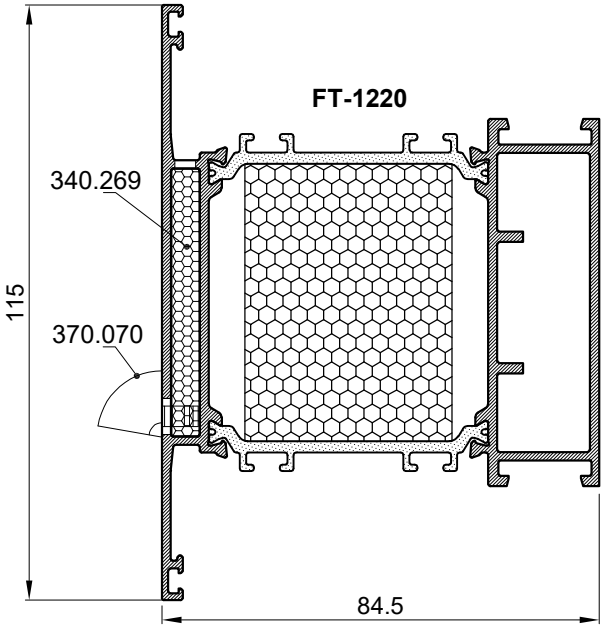
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.287)
   In chamber for corner bracket insert (340.287)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.287) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.287) at the desired position

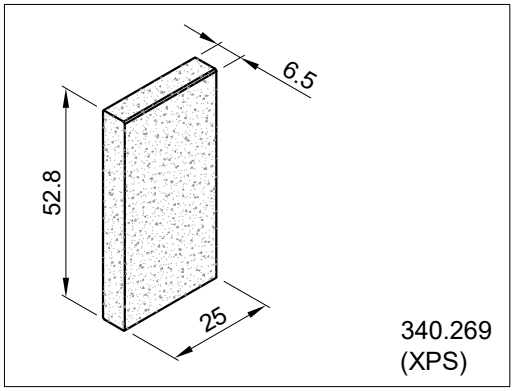




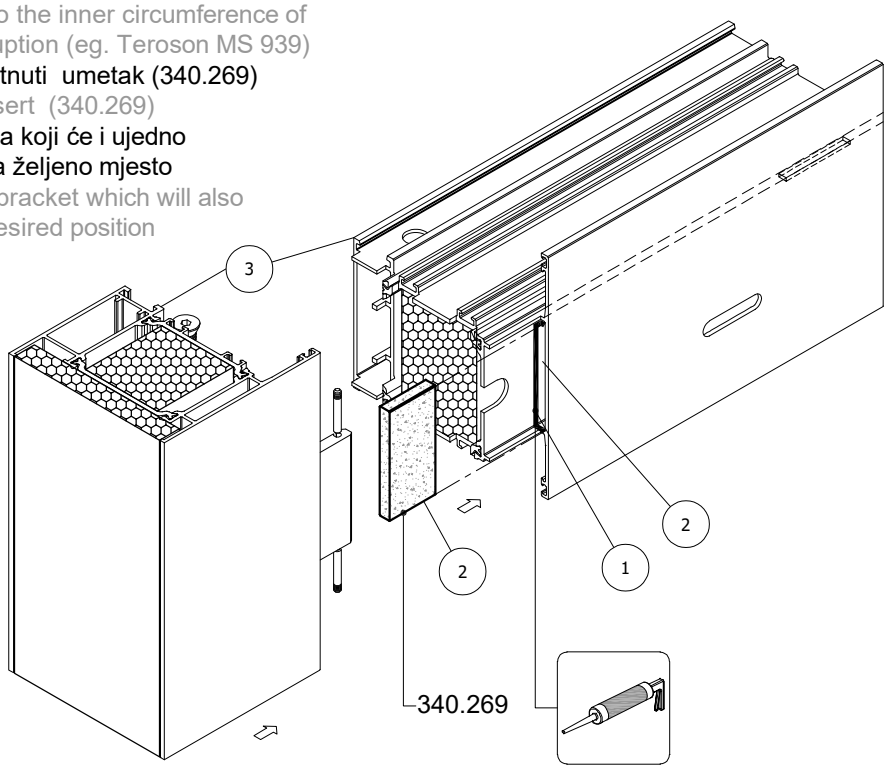
MONTAŽA XPS BARIJERE U PROFILU PREČKE FT-1220 ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN CROSSBAR PROFILE FT-1220 FOR WATER DRAINAGE

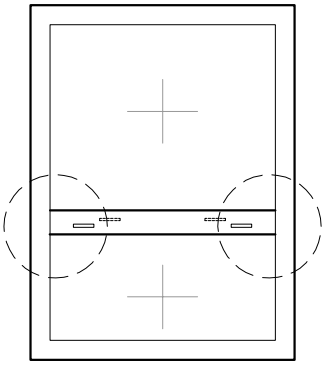




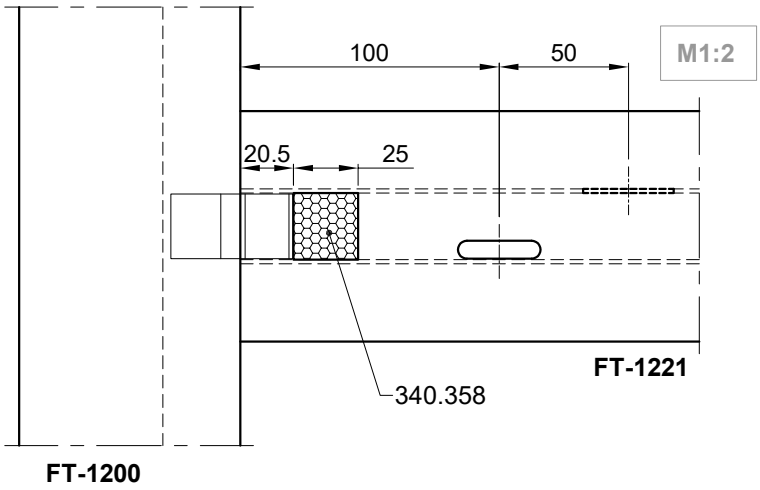


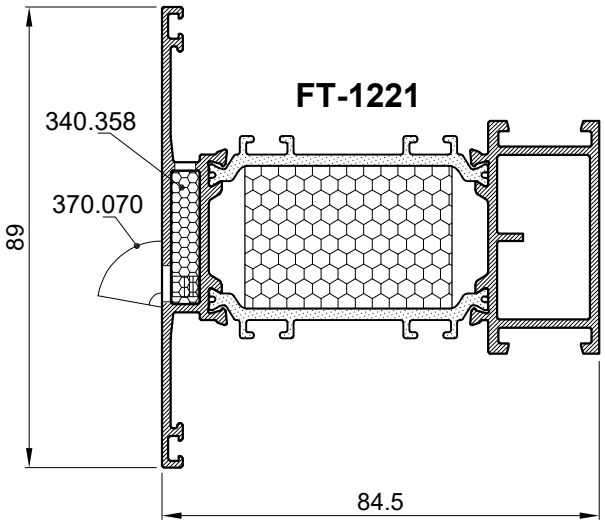
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.269)
   In chamber for corner bracket insert (340.269)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.269) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.269) at the desired position

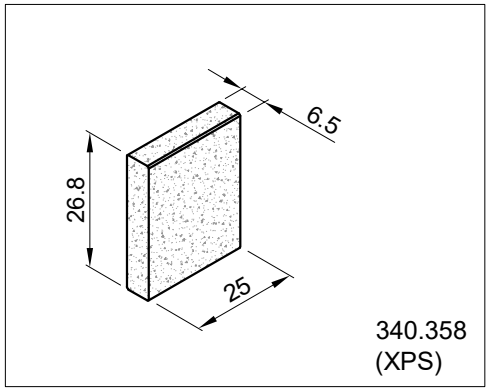




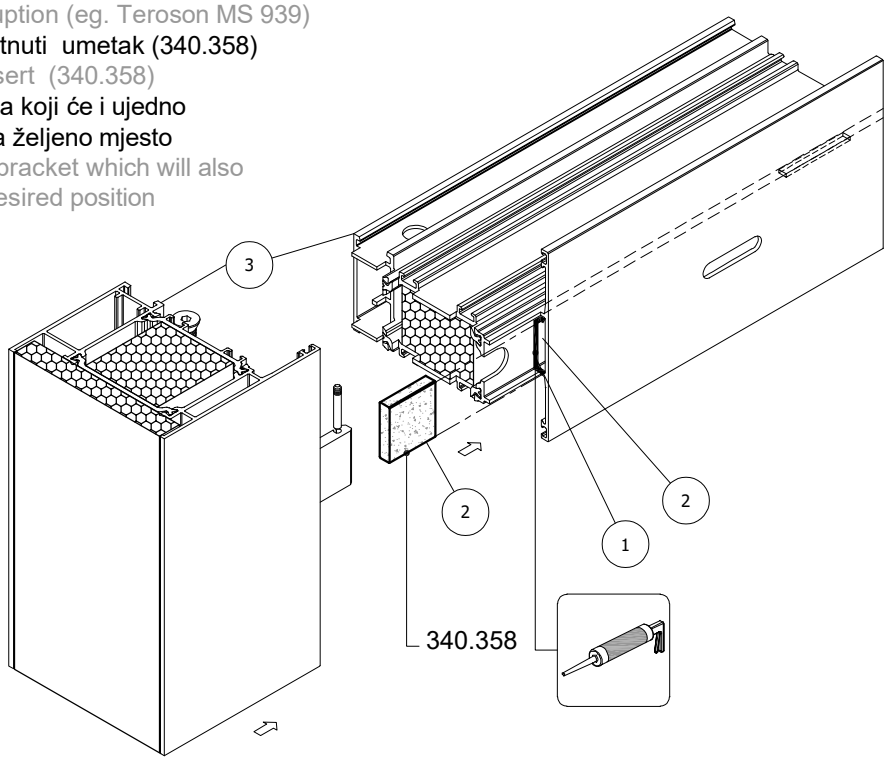
MONTAŽA XPS BARIJERE U PROFILU PREČKE FT-1221 ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN CROSSBAR PROFILE FT-1221 FOR WATER DRAINAGE

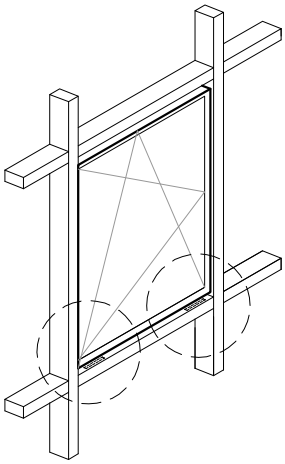




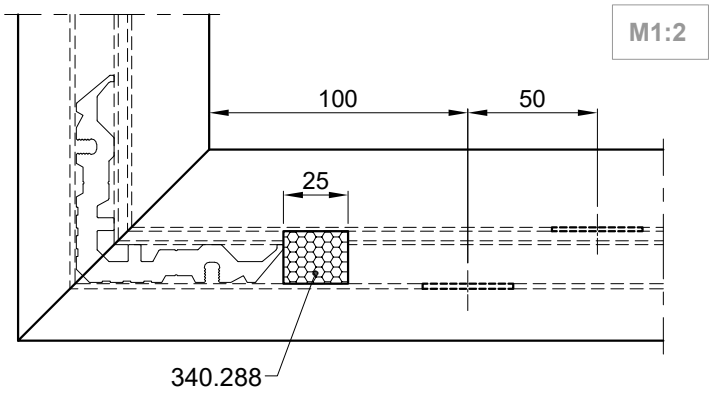


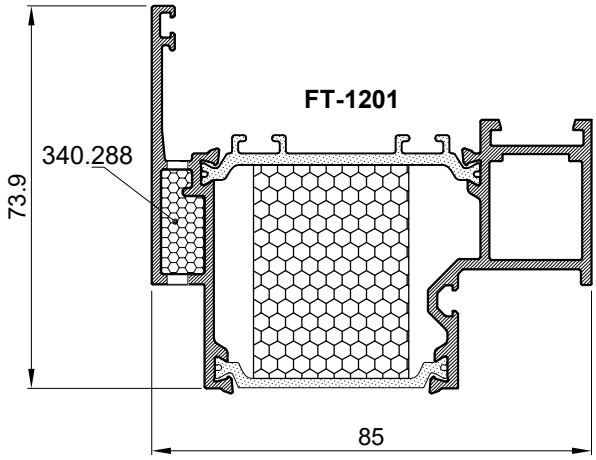
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.358)
   In chamber for corner bracket insert (340.358)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.358) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.358) at the desired position

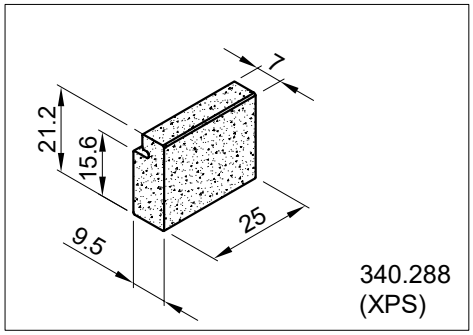




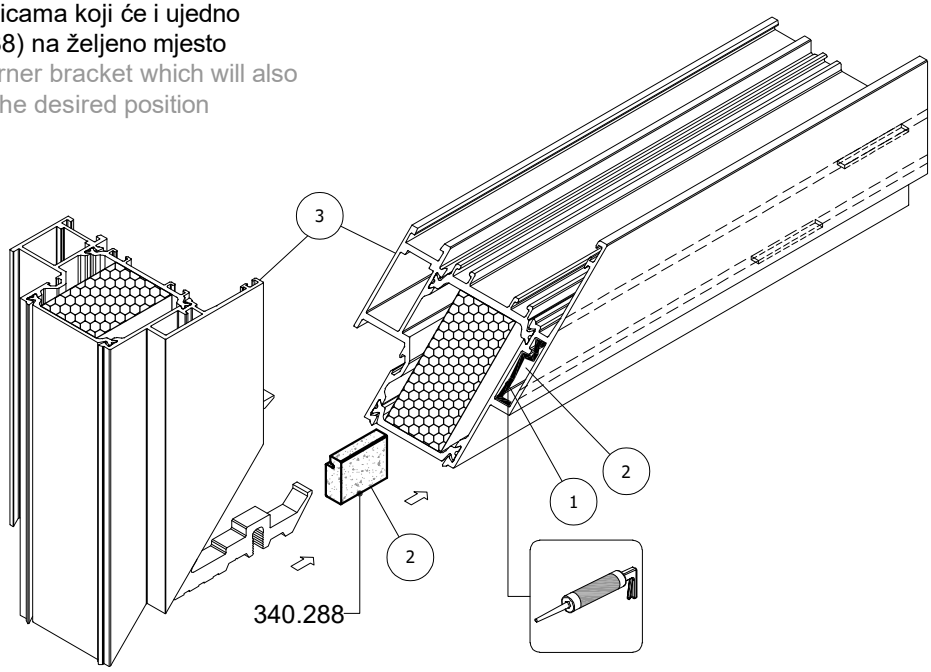
MONTAŽA XPS BARIJERE U PROFILU RAMA U FASADI FT-1201
ZA ODVOD KAPLJEVINA
INSTALLATION XPS BARRIER IN FACADE FRAME PROFILE FT-1201
FOR WATER DRAINAGE





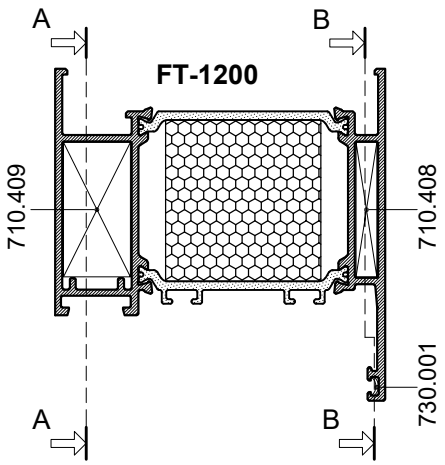


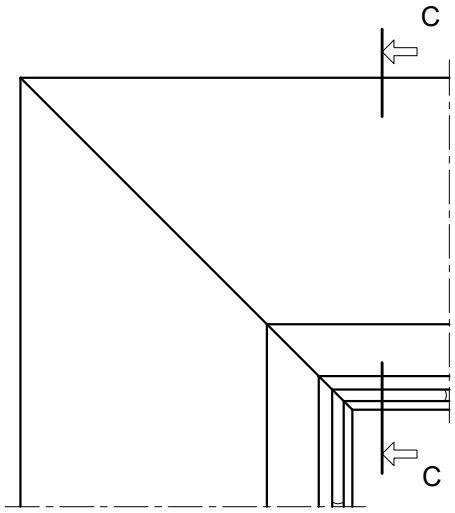
1. Po unutarnjem obodu vanjske komore bez prekida primjeniti neutralno silikonsko lijepilo (npr. Teroson MS 939)
   Apply neutral silicone adhesive to the inner circumference of the outer chamber without interruption (eg. Teroson MS 939)
2. U komoru za kutnu spojnicu umetnuti umetak (340.288)
   In chamber for corner bracket insert (340.288)
3. Spojiti profile s kutnim spojnicama koji će i ujedno pozicionirati umetak (340.288) na željeno mjesto
   Connect the profiles with corner bracket which will also position insert (340.288) at the desired position

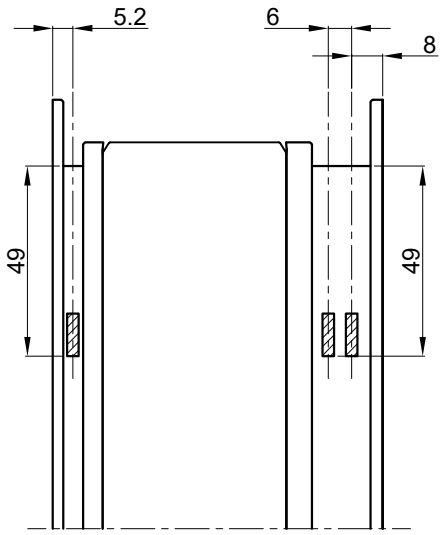


- UPREŠAVANJE STJENKE PROFILA U KUTNU SPOJNICU
- ALUMINIUM PROFILE CORNER CRIMPING

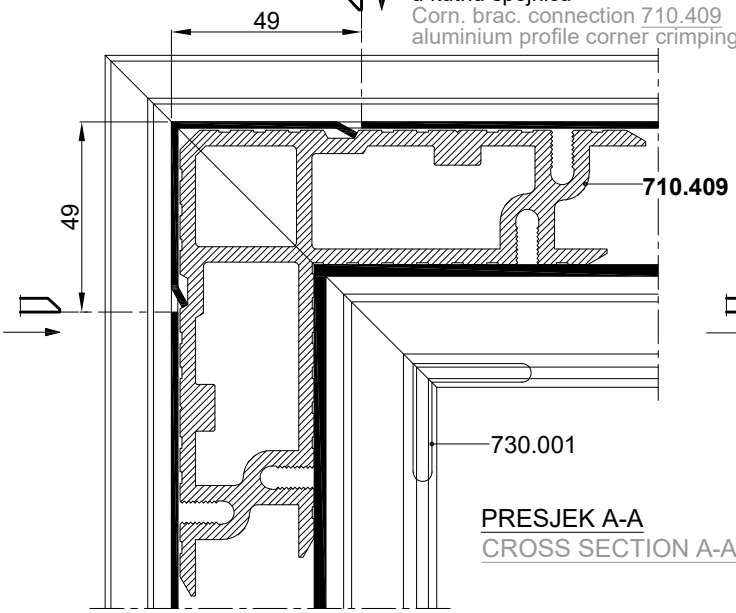
PRESJEK C-C
CROSS SECTION C-C





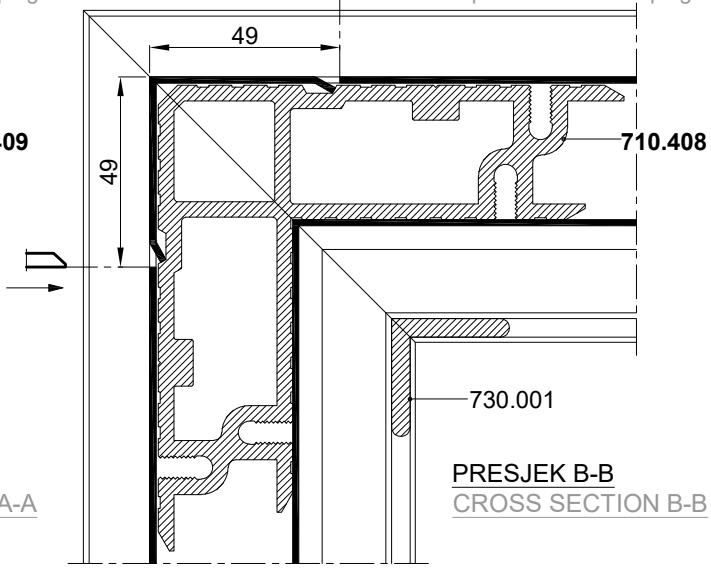


Spajanje kutnom spojnicom 710.409
upreševanjem stijenke profila
u kutnu spojnicu
Corn. brac. connection 710.409
aluminium profile corner crimping

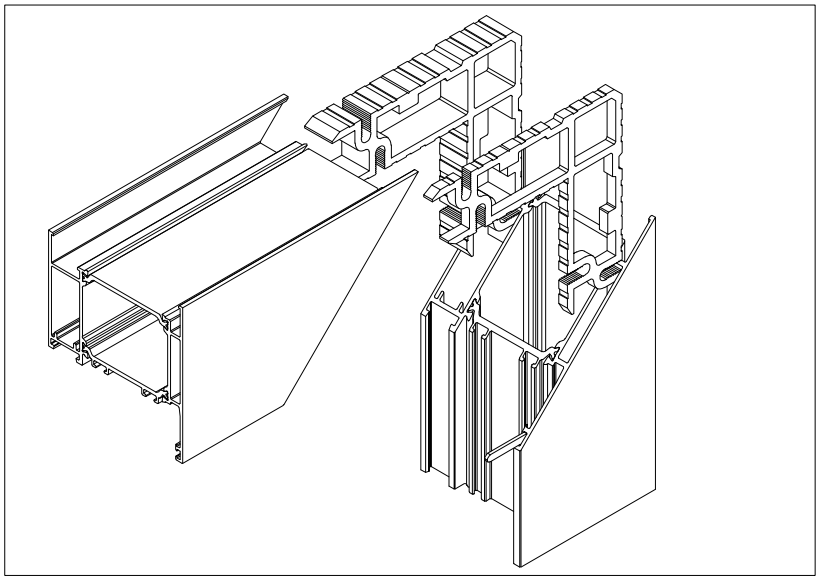


PRESJEK A-A
CROSS SECTION A-A

Spajanje kutnom spojnicom 710.408
upreševanjem stijenke profila
u kutnu spojnicu
Corn. brac. connection 710.408
aluminium profile corner crimping



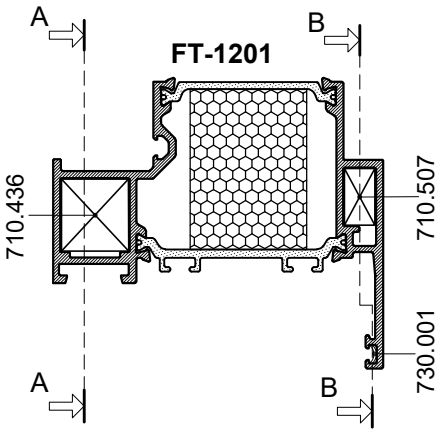
PRESJEK B-B
CROSS SECTION B-B

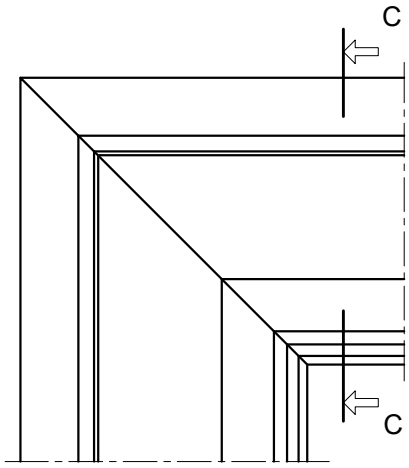


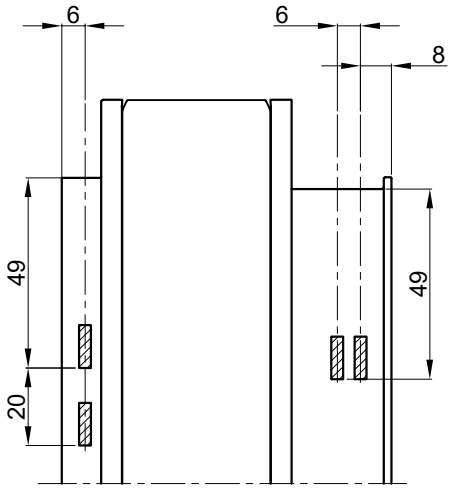
1. RUČNO UPREŠAVANJE
1. MANUAL CORNER CRIMPING

- UPREŠAVANJE STIJENKE PROFILA U KUTNU SPOJNICU
- ALUMINIUM PROFILE CORNER CRIMPING

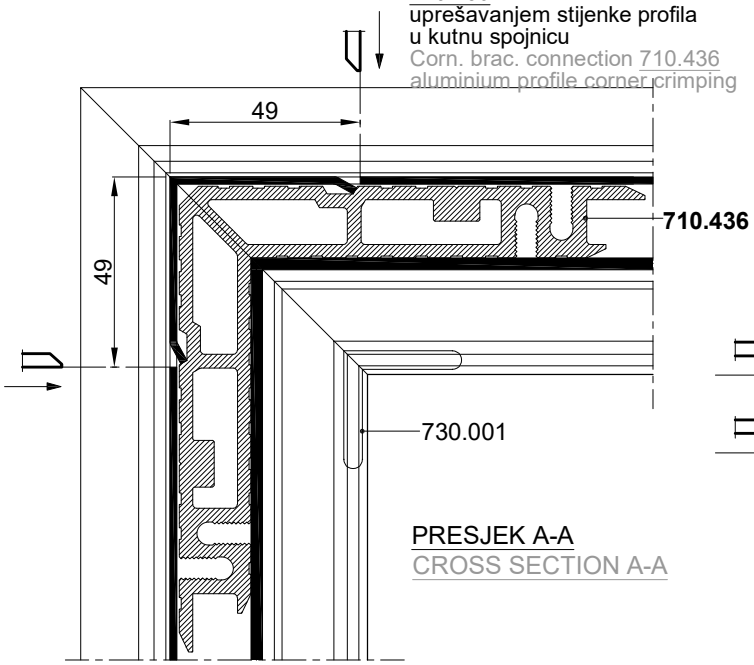
PRESJEK C-C
CROSS SECTION C-C





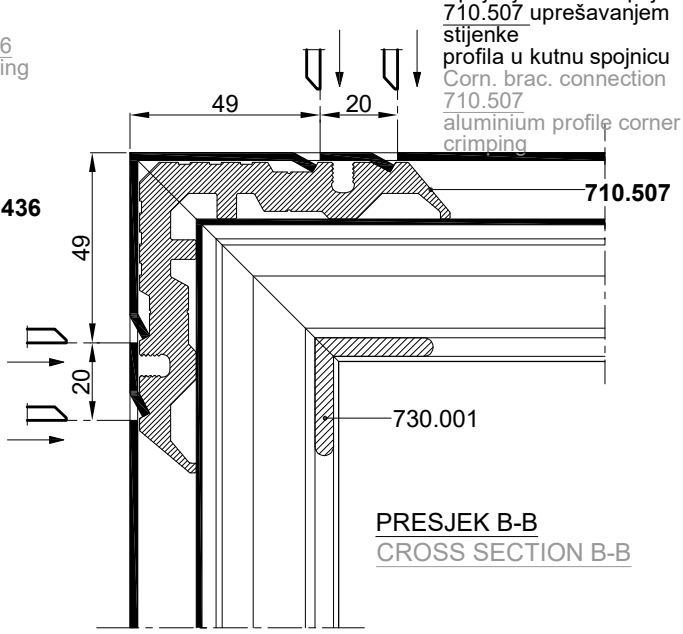


Spajanje kutnom spojnicom 710.436 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.436 aluminium profile corner crimping

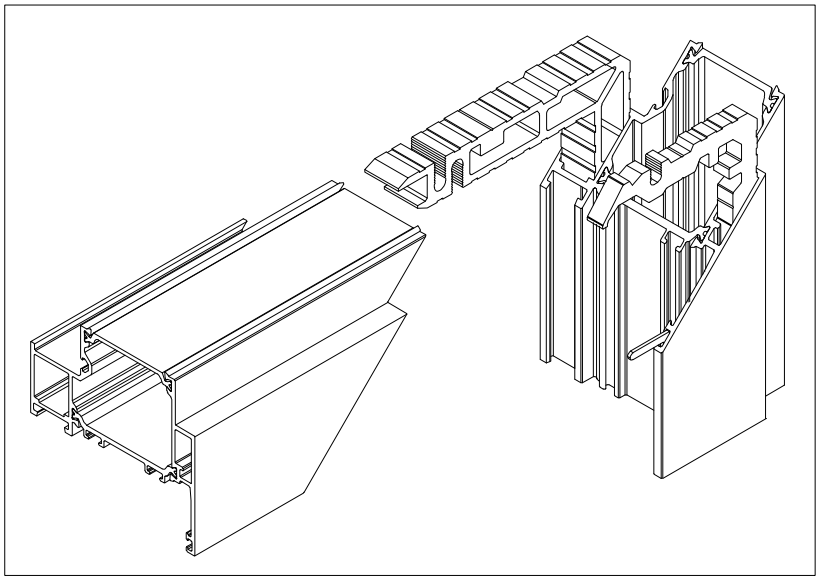


PRESJEK A-A
CROSS SECTION A-A

Spajanje kutnom spojnicom 710.507 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.507 aluminium profile corner crimping



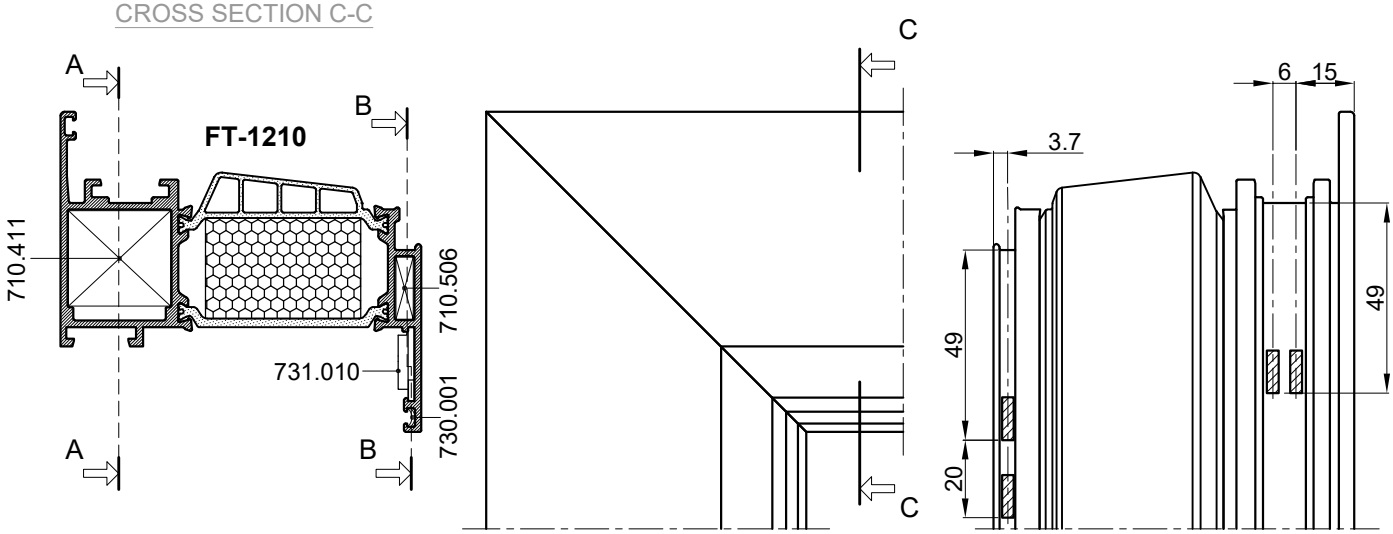
PRESJEK B-B
CROSS SECTION B-B



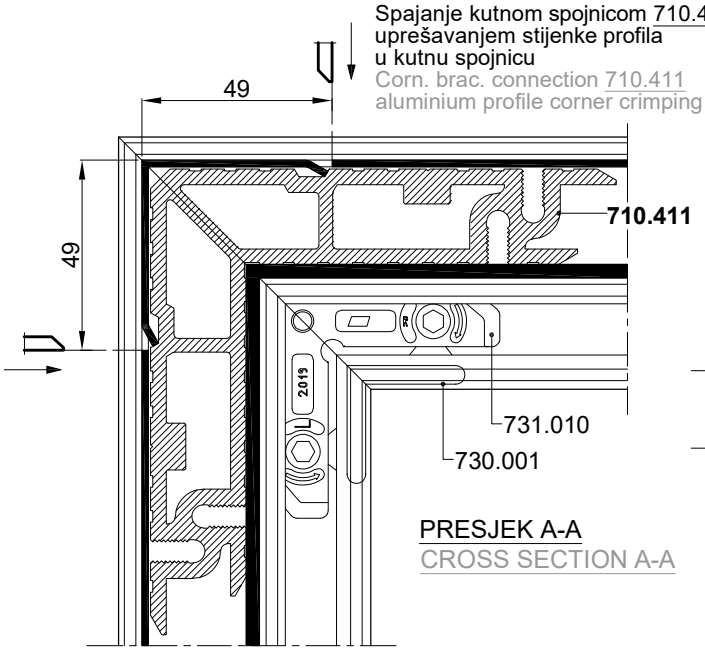
1. RUČNO UPREŠAVANJE
1. MANUAL CORNER CRIMPING

- UPREŠAVANJE STIJENKE PROFILA U KUTNU SPOJNICU
- ALUMINIUM PROFILE CORNER CRIMPING

PRESJEK C-C
CROSS SECTION C-C

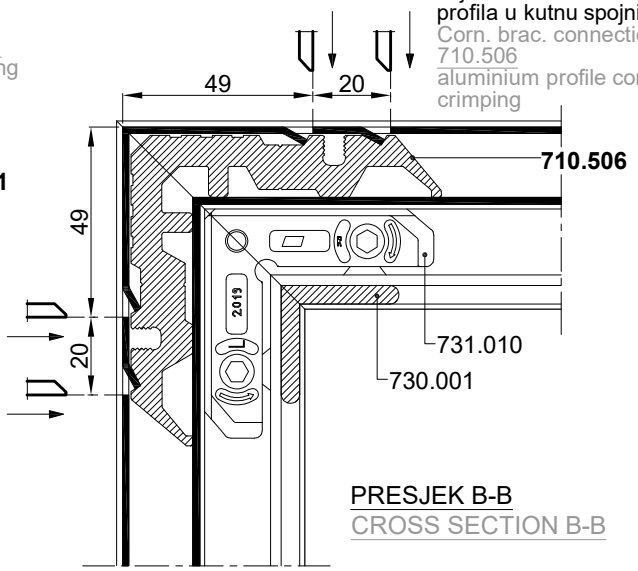


Spajanje kutnom spojnicom 710.411 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.411 aluminium profile corner crimping

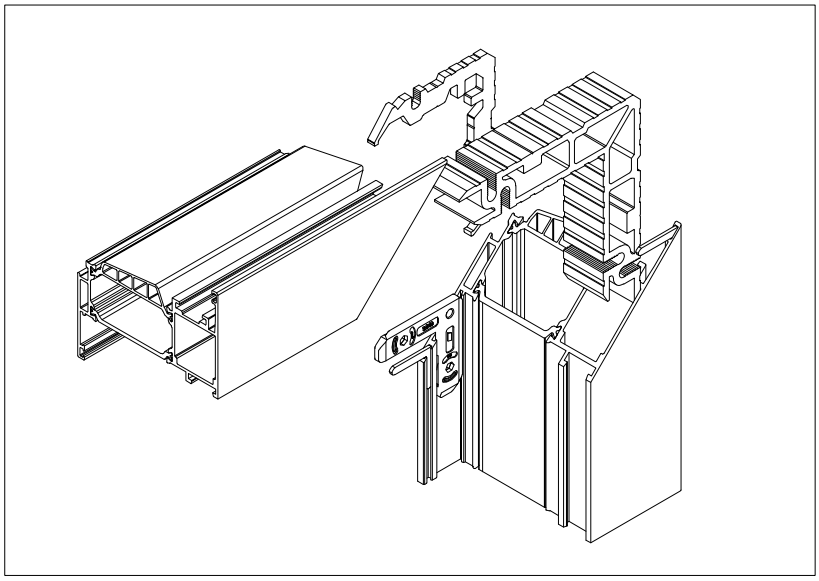


PRESJEK A-A
CROSS SECTION A-A

Spajanje kutnom spojnicom 710.506 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.506 aluminium profile corner crimping



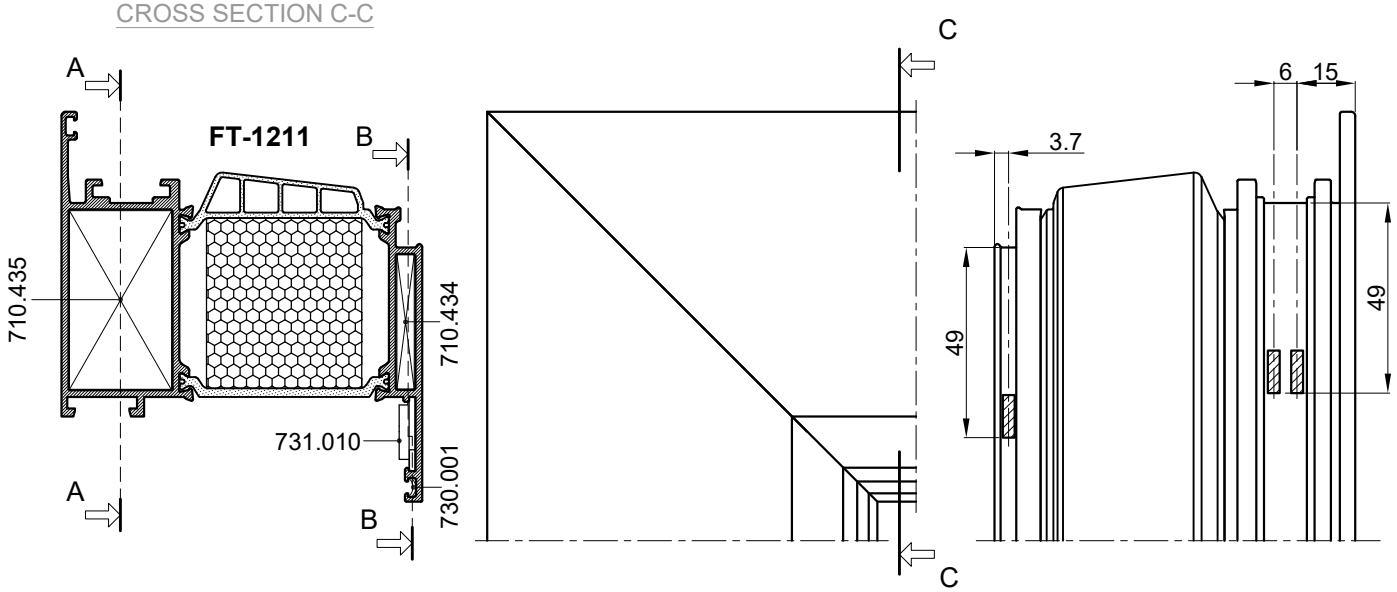
PRESJEK B-B
CROSS SECTION B-B



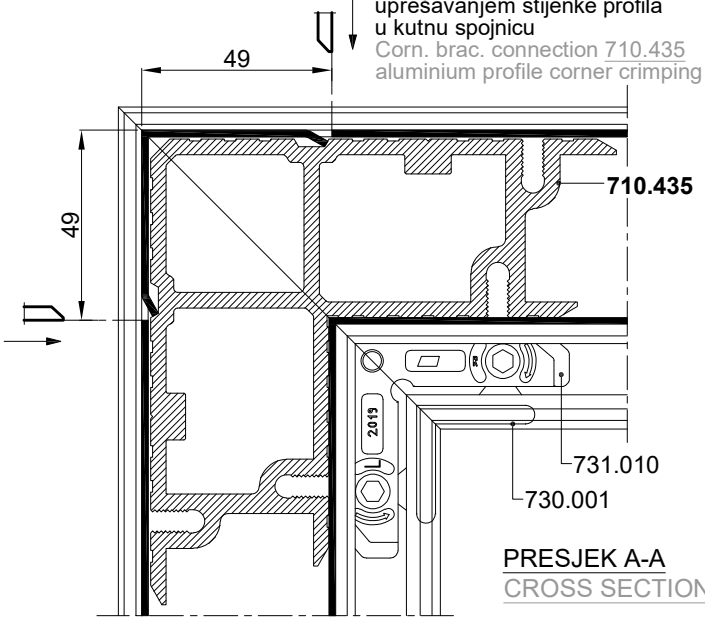
1. RUČNO UPREŠAVANJE
1. MANUAL CORNER CRIMPING

- UPREŠAVANJE STIJENKE PROFILA U KUTNU SPOJNICU
- ALUMINIUM PROFILE CORNER CRIMPING

PRESJEK C-C
CROSS SECTION C-C

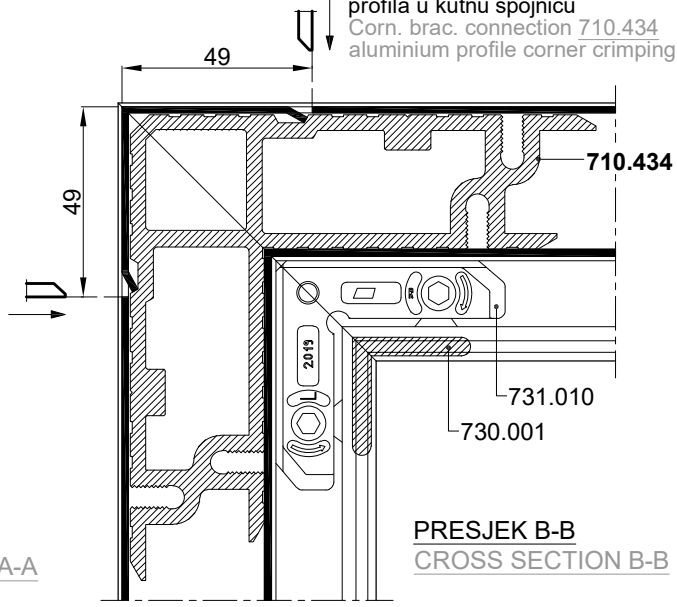


Spajanje kutnom spojnicom 710.435 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.435 aluminium profile corner crimping

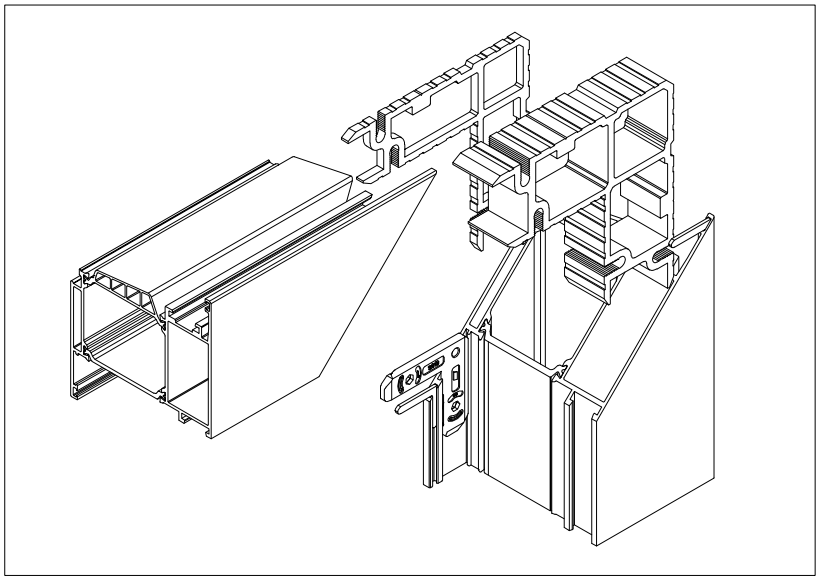


PRESJEK A-A
CROSS SECTION A-A

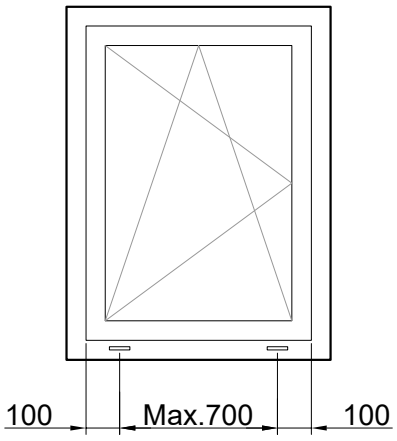
Spajanje kutnom spojnicom 710.434 uprešavanjem stijenke profila u kutnu spojnicu
Corn. brac. connection 710.434 aluminium profile corner crimping



PRESJEK B-B
CROSS SECTION B-B



1. RUČNO UPREŠAVANJE
1. MANUAL CORNER CRIMPING

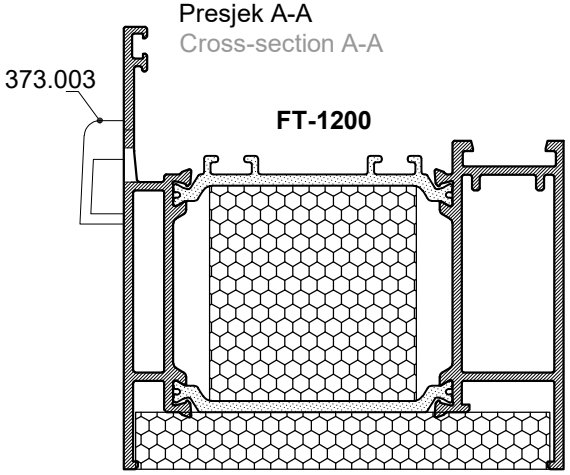


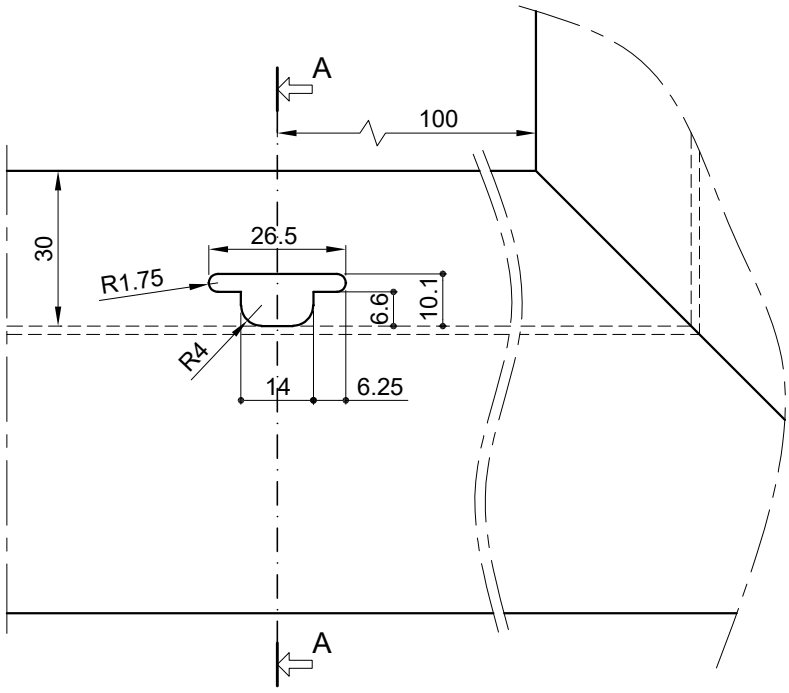
OBRADA NA PROFILU RAMA FT-1200 ZA ODVOD KAPLJEVINA
PROCESSING OF FRAME PROFILE FT-1200 FOR WATER DRAINAGE

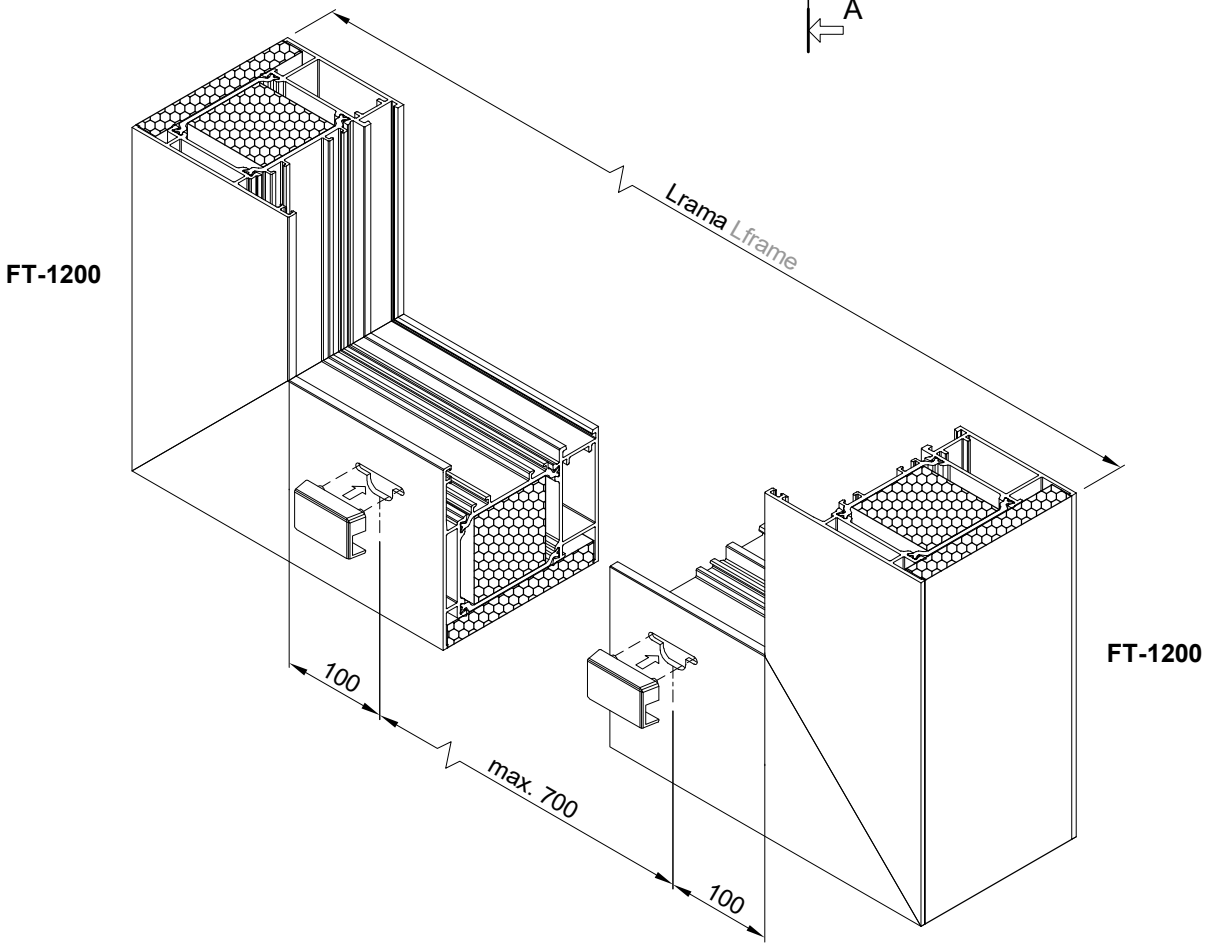
- obrada donjeg pojasa rama /štancanjem/
  Alat: Štanca S1
- 373.003- pvc maska za drenažni otvor

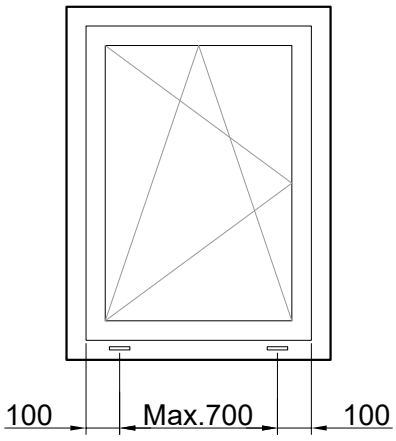
- processing of frame lower zone /metal punching/
  Tool: Metal punching machine S1
- 373.003- pvc mask for drainage hole

Presjek A-A
Cross-section A-A







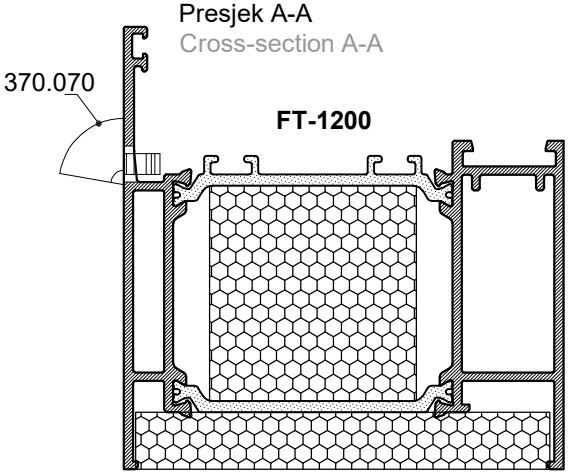


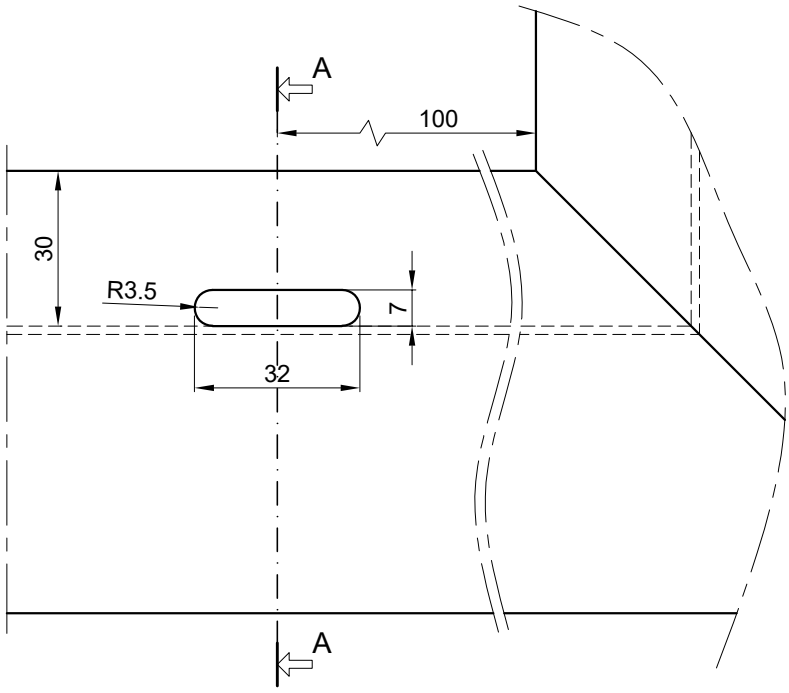
OBRADA NA PROFILU RAMA FT-1200 ZA ODVOD KAPLJEVINA
PROCESSING OF FRAME PROFILE FT-1200 FOR WATER DRAINAGE

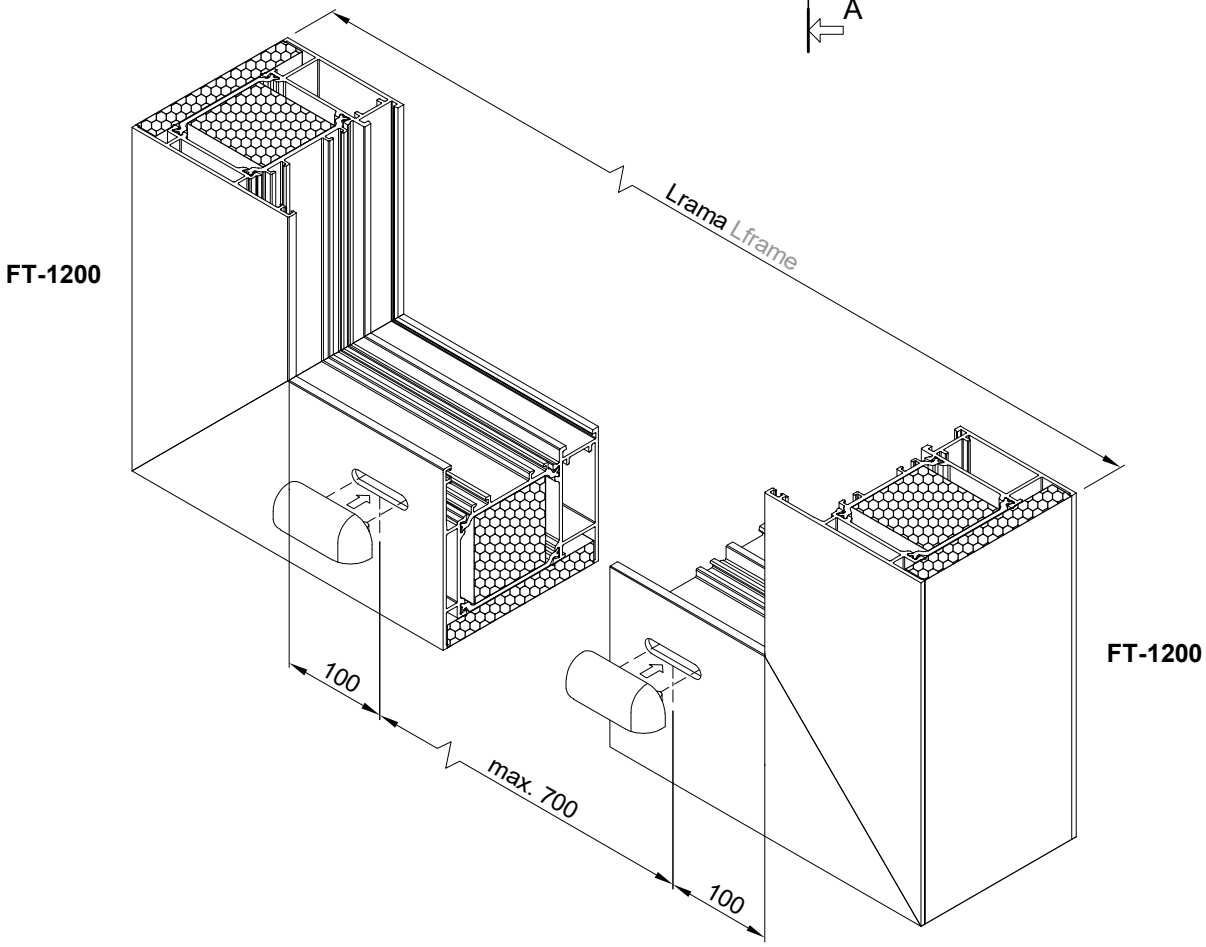
- obrada donjeg pojasa rama /glodanjem/
  Alat: vretenasto glodalo Ø7
- 370.070- pvc maska za drenažni otvor

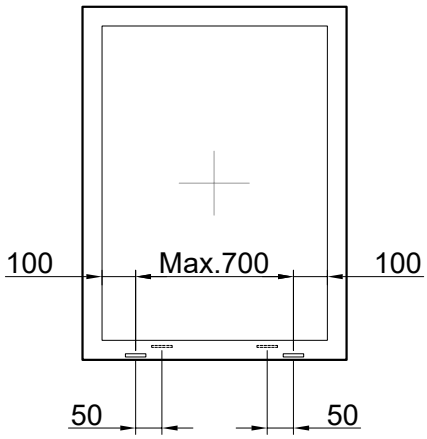
- processing of frame lower zone /milling/
  Tool: end mill Ø7
- 370.070- pvc mask for drainage hole

Presjek A-A
Cross-section A-A







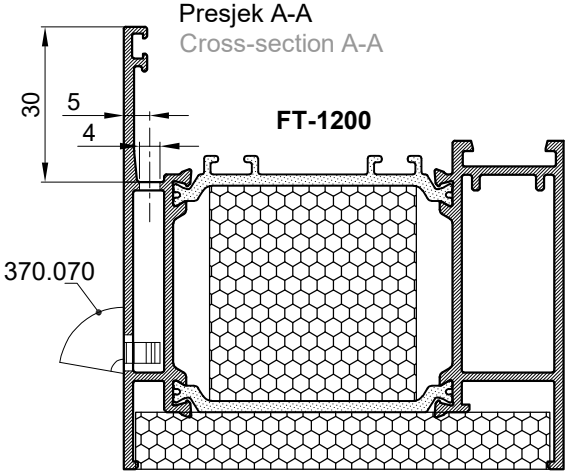


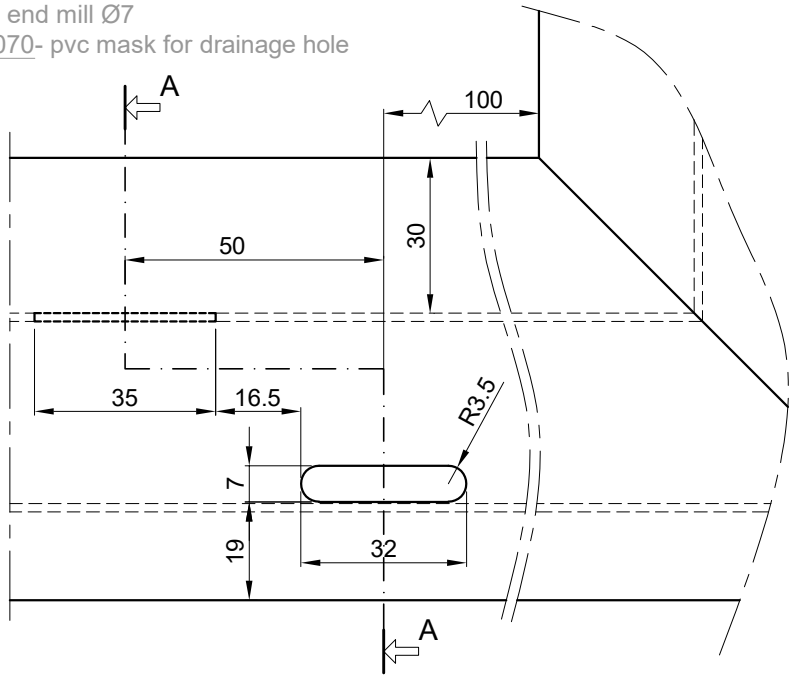
OBRADA NA PROFILU RAMA FT-1200 ZA ODVOD KAPLJEVINA
PROCESSING OF FRAME PROFILE FT-1200 FOR WATER DRAINAGE

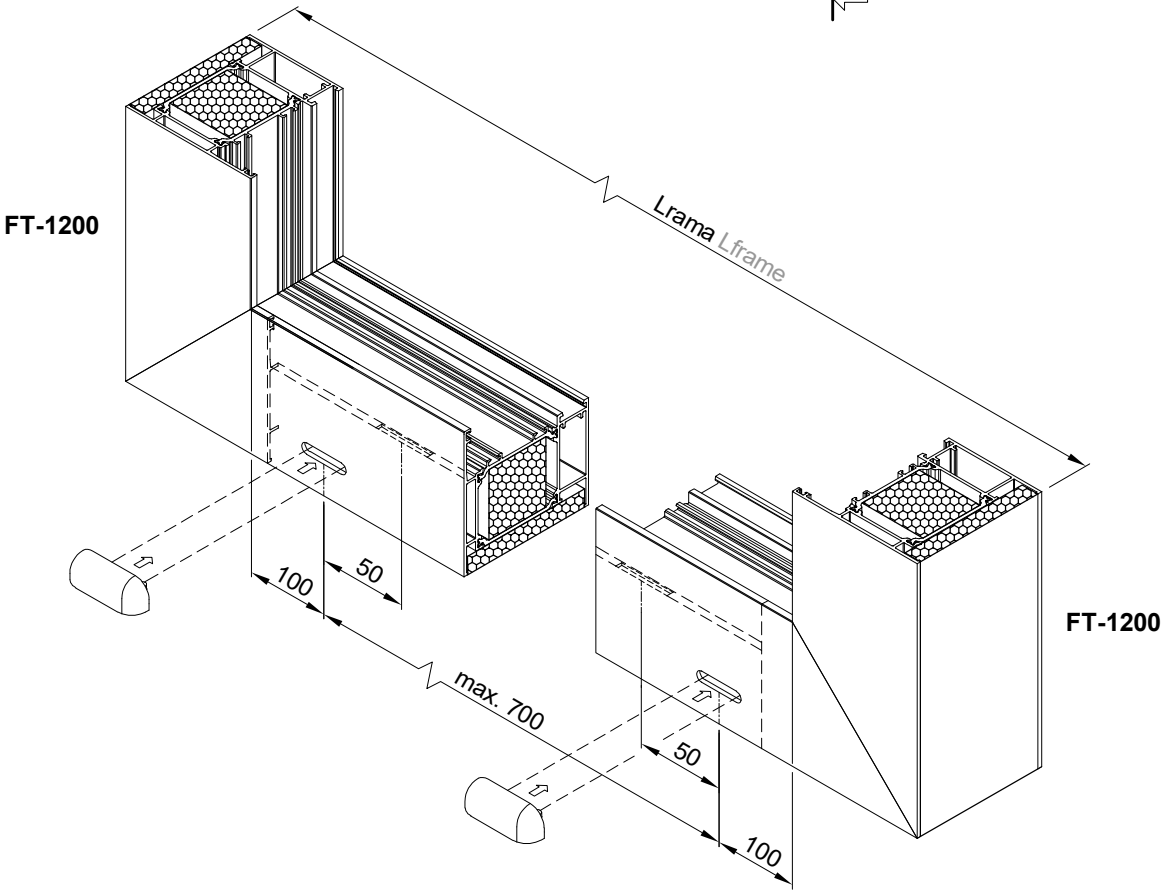
- obrada donjeg pojasa rama /glodanjem/ ; (žlijeb: 35x4)
  Alat: vretenasto glodalo Ø4
- obrada donjeg pojasa rama /glodanjem/ ; (žlijeb: 32x7)
  Alat: vretenasto glodalo Ø7
- 370.070- pvc maska za drenažni otvor

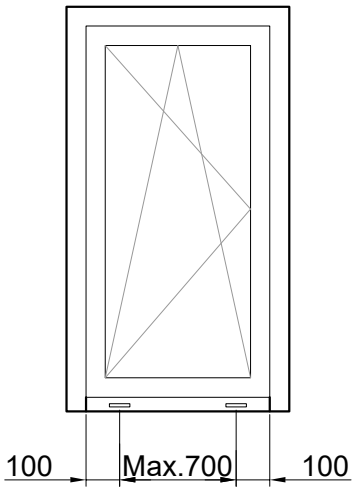
- processing of frame lower zone /milling/ ; (groove:35x4)
  Tool: end mill Ø4
- processing of frame lower zone /milling/ ; (groove: 32x7)
  Tool: end mill Ø7
- 370.070- pvc mask for drainage hole

Presjek A-A
Cross-section A-A





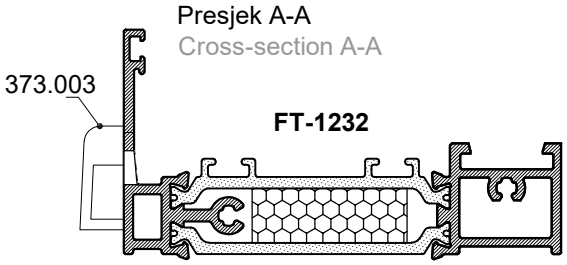


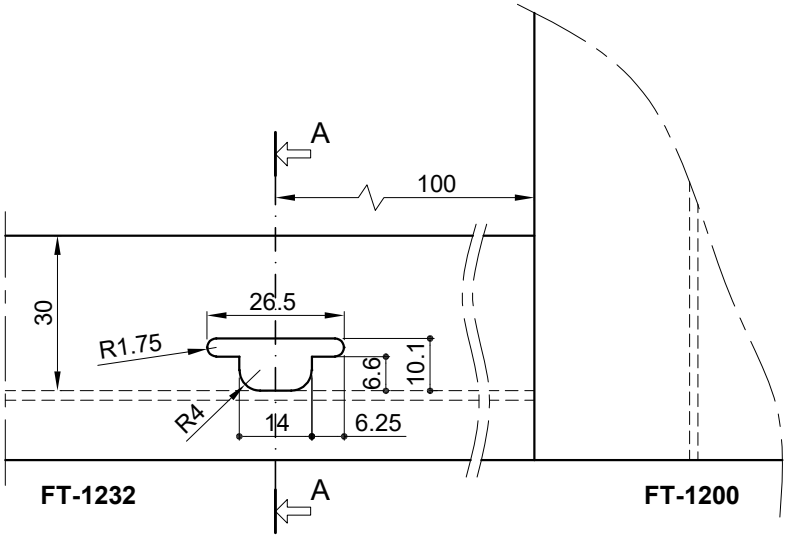


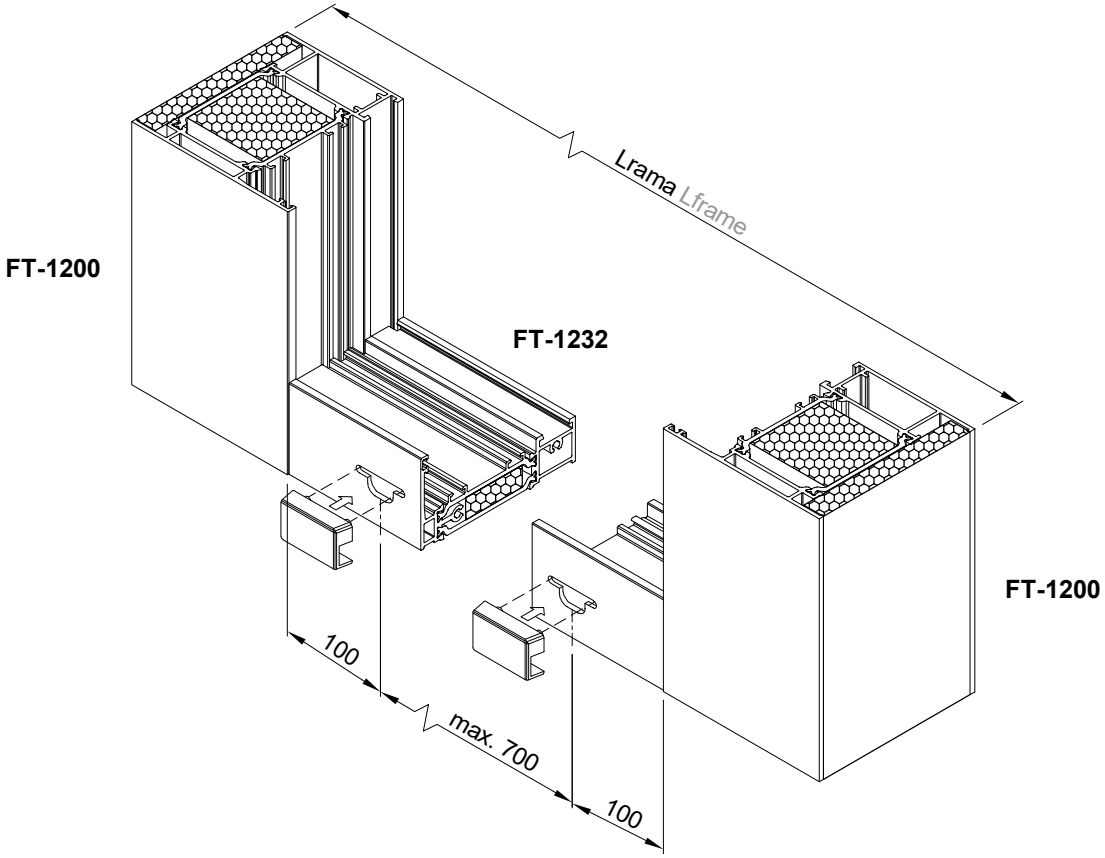
OBRADA NA PROFILU PRAGA FT-1232 ZA ODVOD KAPLJEVINA
PROCESSING OF THRESHOLD PROFILE FT-1232 FOR WATER DRAINAGE

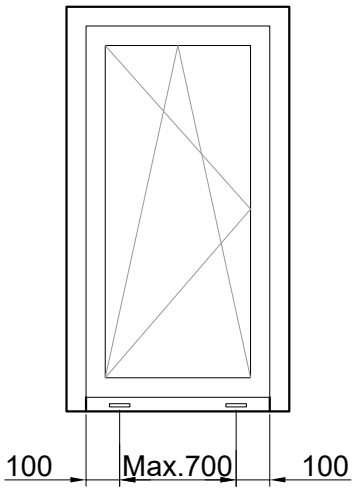
- obrada na profilu praga /štancanjem/
  Alat: Štanca S1
- 373.003- pvc maska za drenažni otvor

- processing on threshold profile /metal punching/
  Tool: Metal punching machine S1
- 373.003- pvc mask for drainage hole





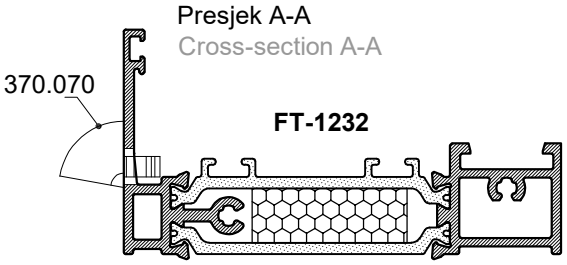


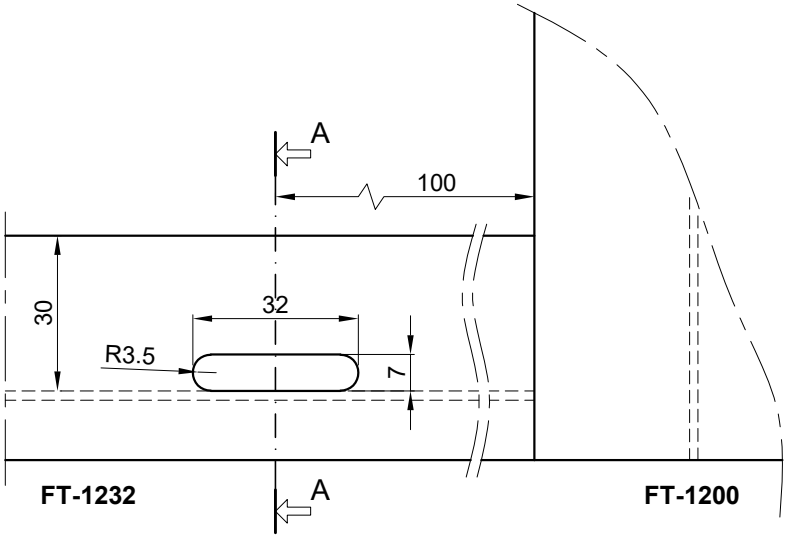


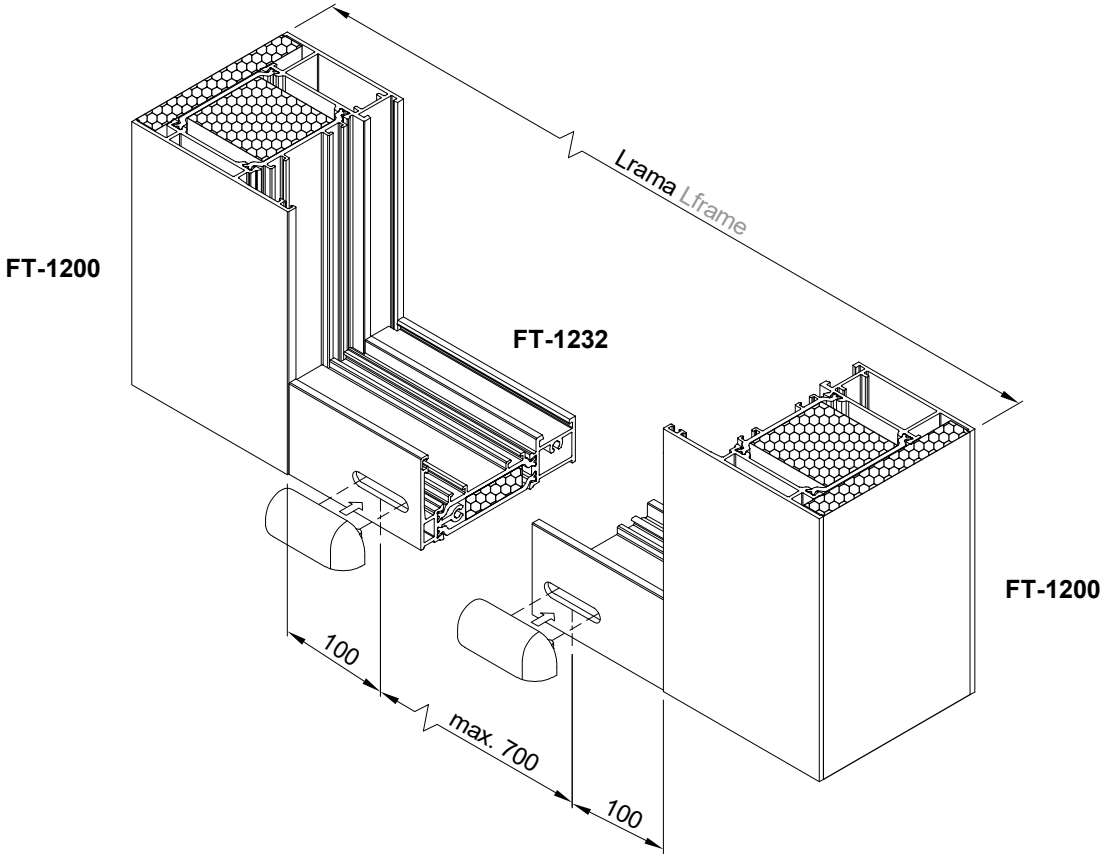
OBRADA NA PROFILU PRAGA FT-1232 ZA ODVOD KAPLJEVINA
PROCESSING OF THRESHOLD PROFILE FT-1232 FOR WATER DRAINAGE

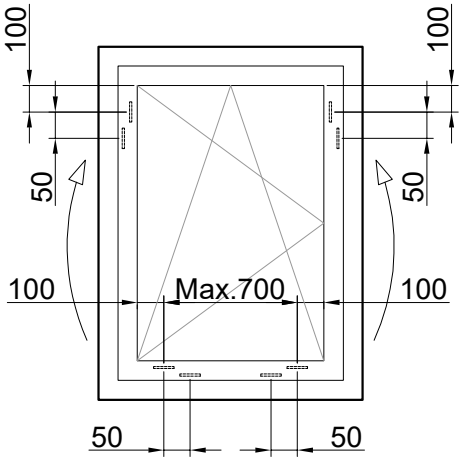
- obrada na profilu praga /glodanjem/
  Alat: vretenasto glodalo Ø7
- 370.070- pvc maska za drenažni otvor

- processing on threshold profile /milling/
  Tool: end mill Ø7
- 370.070- pvc mask for drainage hole









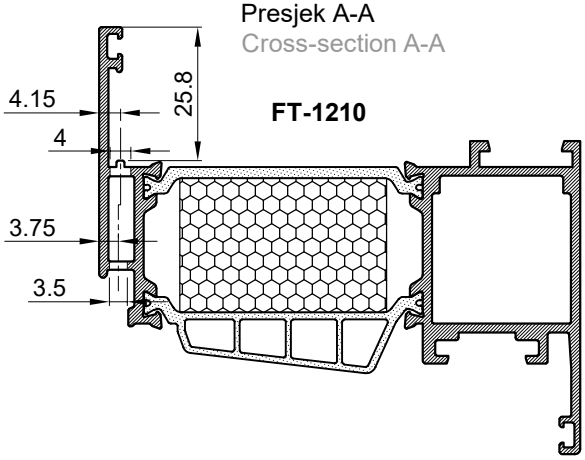
OBRADA NA PROFILU KRILA FT-1210 ZA ODVOD KAPLJEVINA I VENTILIRANJA KOMORA KRILA PROZORA

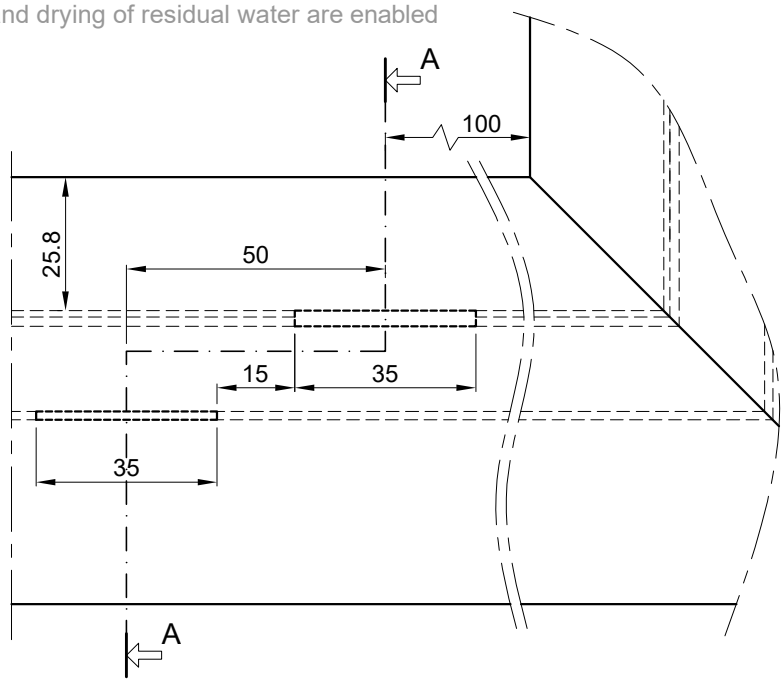
PROCESSING OF SASH PROFILE FT-1210 FOR WATER DRAINAGE AND VENTILATION OF SASH CHAMBERS

- obrada donjeg pojasa krila /štancanjem/
- obrada okomitih pojasa krila /štancanjem/
  Alat: Štanca S10
- uslijed probijenih otvora unutar prozora dolazi do uspostave strujanja zraka i isušivanja mogućih kapljevina

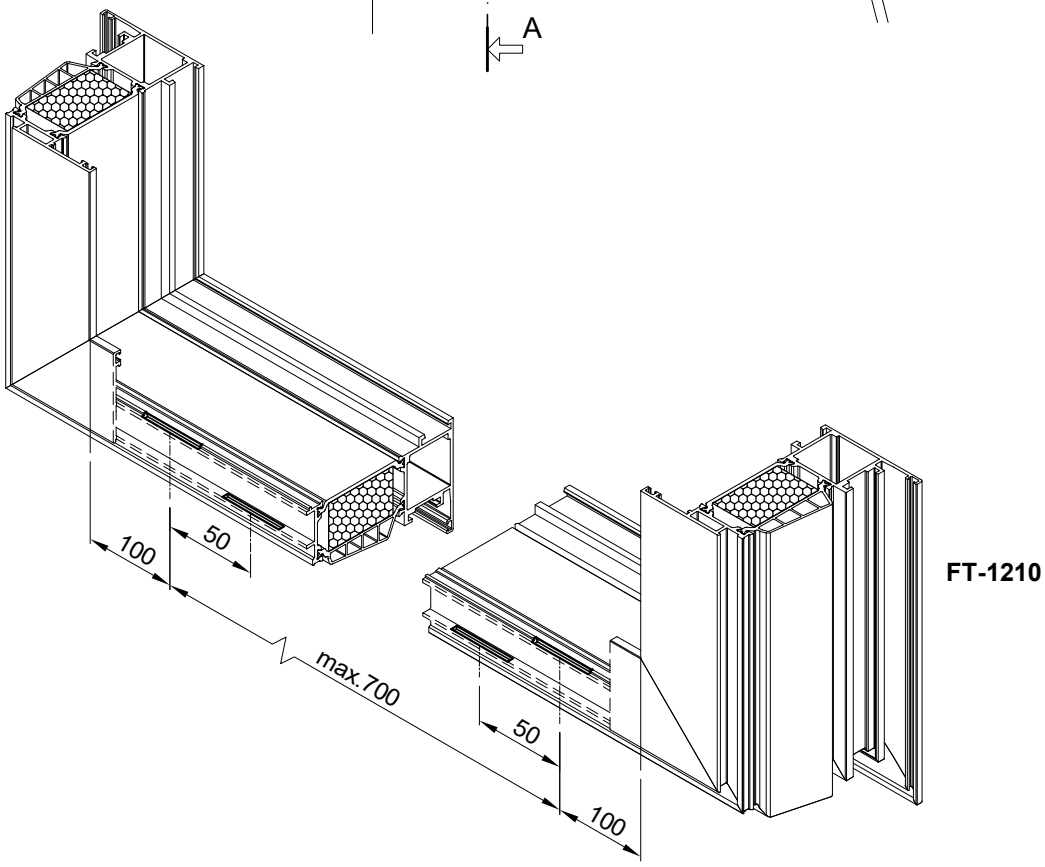
- processing of sash lower zone /metal punching/
- processing of sash vertical zone /metal punching/
  Tool: Metal punching machine S10
- due to punctured slots inside the window air flow and drying of residual water are enabled

Presjek A-A
Cross-section A-A

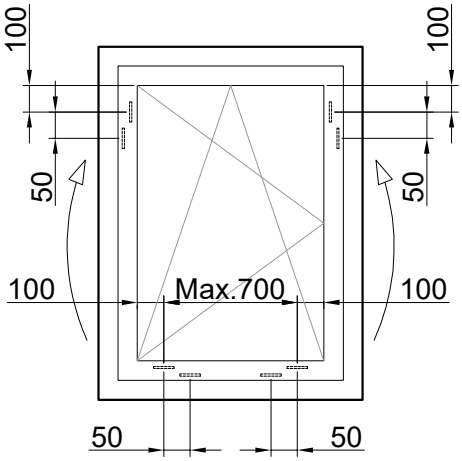




FT-1210



FT-1210



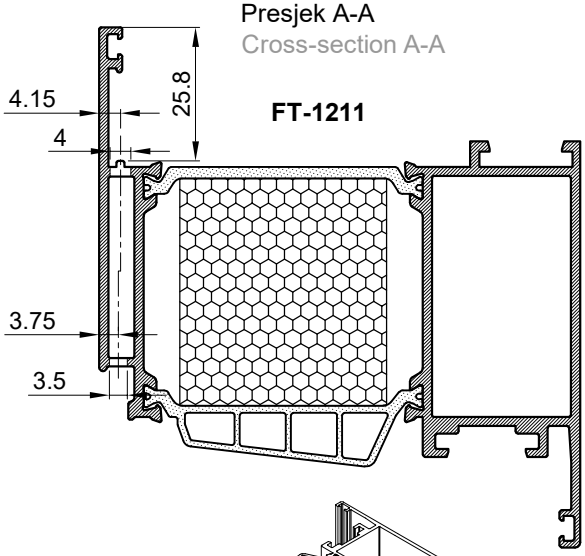
OBRADA NA PROFILU KRILA FT-1211 ZA ODVOD KAPLJEVINA I VENTILIRANJA KOMORA KRILA PROZORA

PROCESSING OF SASH PROFILE FT-1211 FOR WATER DRAINAGE AND VENTILATION OF SASH CHAMBERS

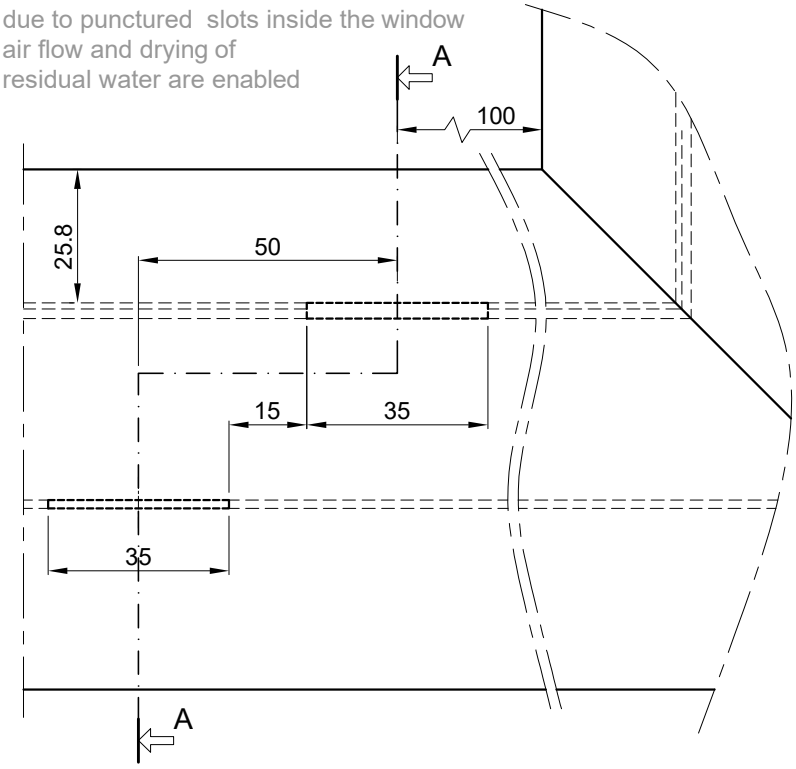
- obrada donjeg pojasa krila /glodanjem/
- obrada okomitih pojasa krila /glodanjem/
  Alat: vretenasto glodalo Ø4
- uslijed probijenih otvora unutar prozora dolazi do uspostave strujanja zraka i isušivanja mogućih kapljevina

- processing of sash lower zone /milling/
- processing of sash vertical zone /milling/
  Tool: end mill Ø4
- due to punctured slots inside the window air flow and drying of residual water are enabled

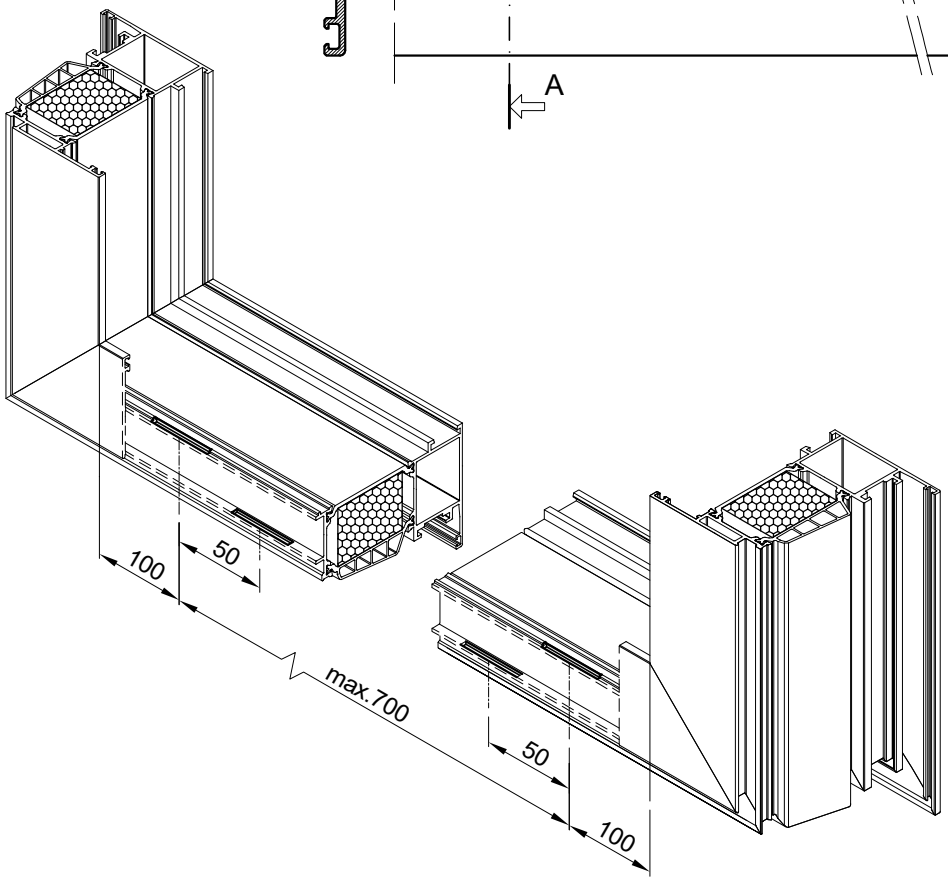
Presjek A-A
Cross-section A-A



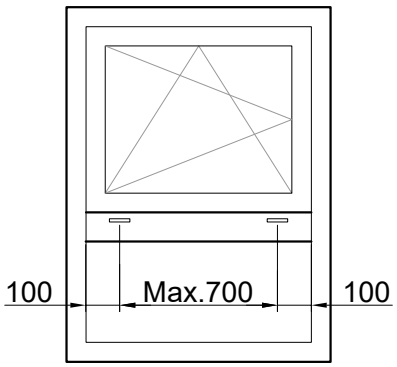
FT-1211



FT-1211



FT-1211

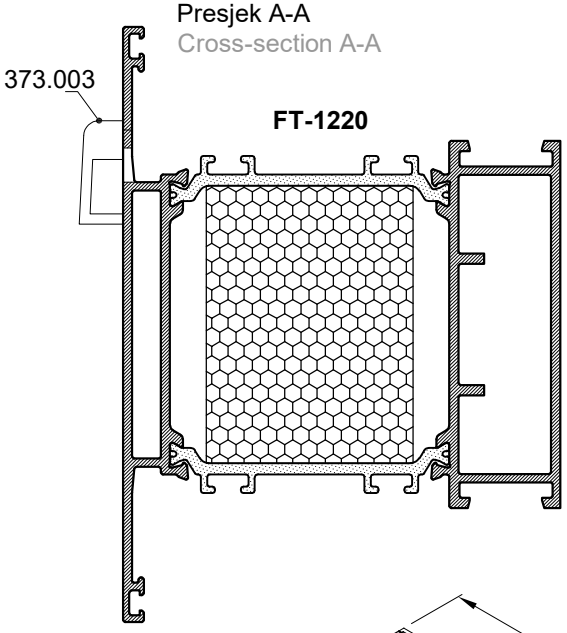


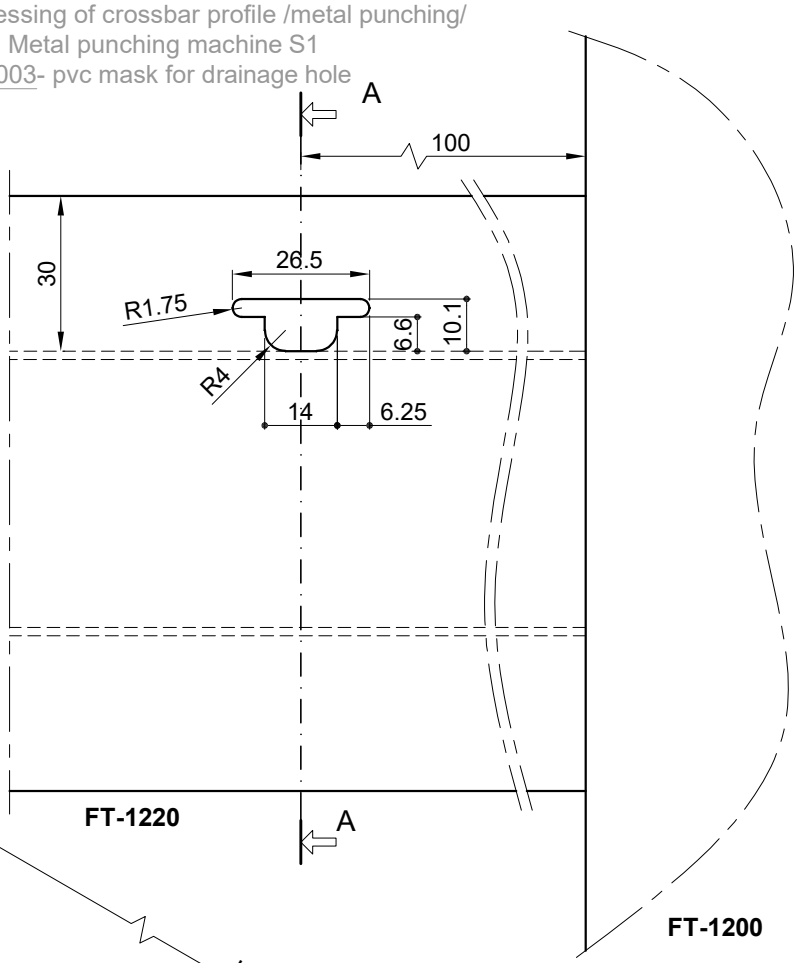
OBRADA NA PROFILU PREČKE FT-1220 ZA ODVOD KAPLJEVINA
PROCESSING OF CROSSBAR PROFILE FT-1220 FOR WATER DRAINAGE

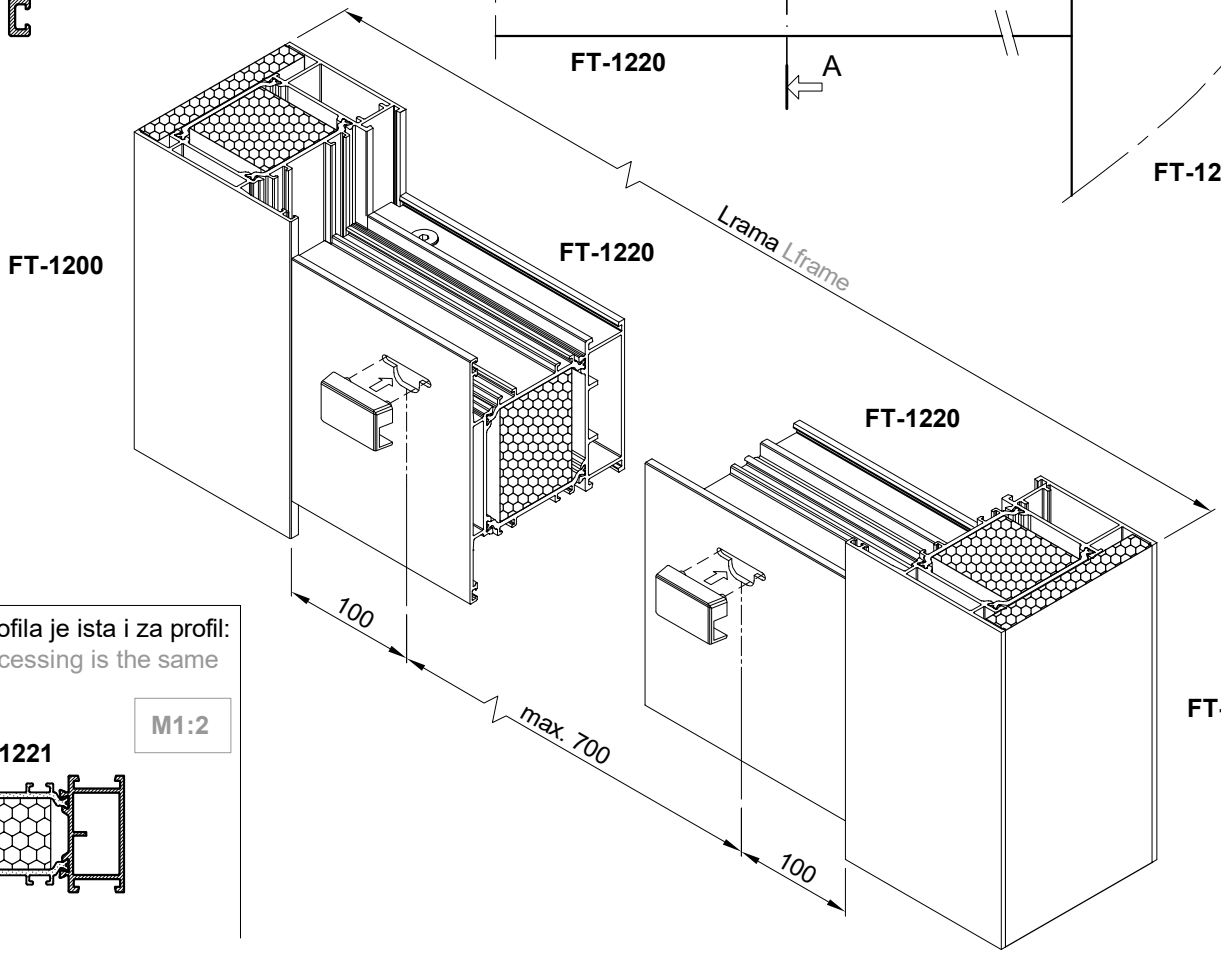
- obrada profila prečke /štancanjem/
  Alat: Štanca S1
- 373.003- pvc maska za drenažni otvor

- processing of crossbar profile /metal punching/
  Tool: Metal punching machine S1
- 373.003- pvc mask for drainage hole

Presjek A-A
Cross-section A-A

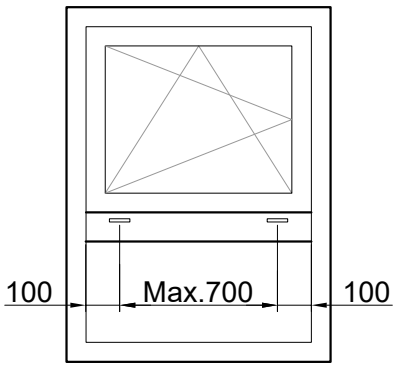






Obrada profila je ista i za profil:
Profile processing is the same for profile:

M1:2

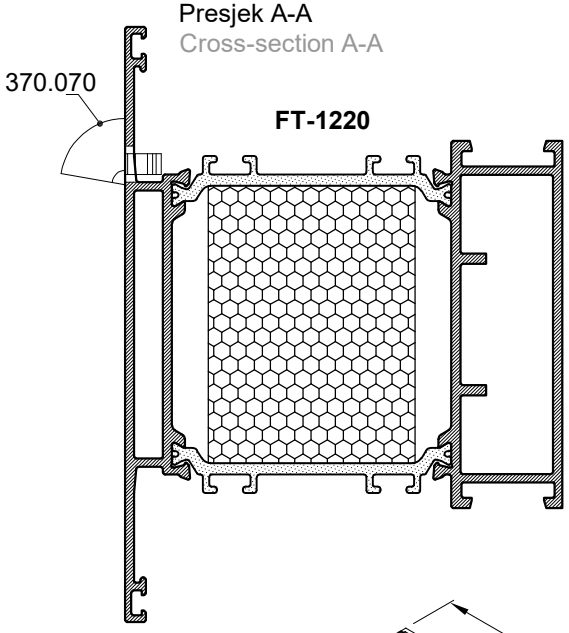


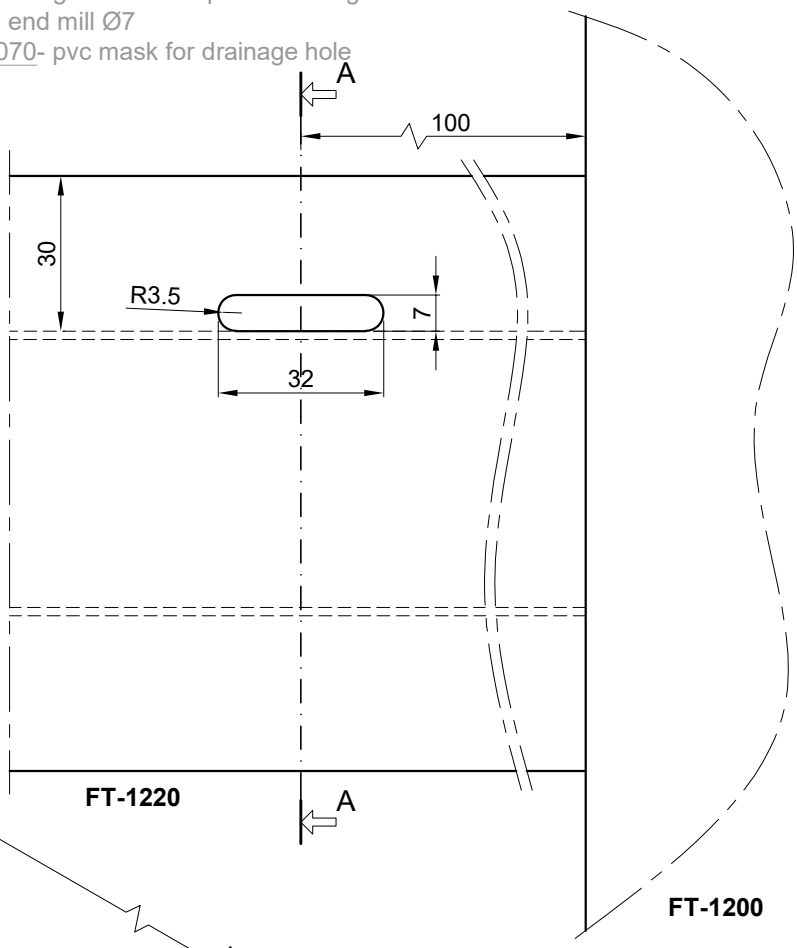
OBRADA NA PROFILU PREČKE FT-1220 ZA ODVOD KAPLJEVINA
PROCESSING OF CROSSBAR PROFILE FT-1220 FOR WATER DRAINAGE

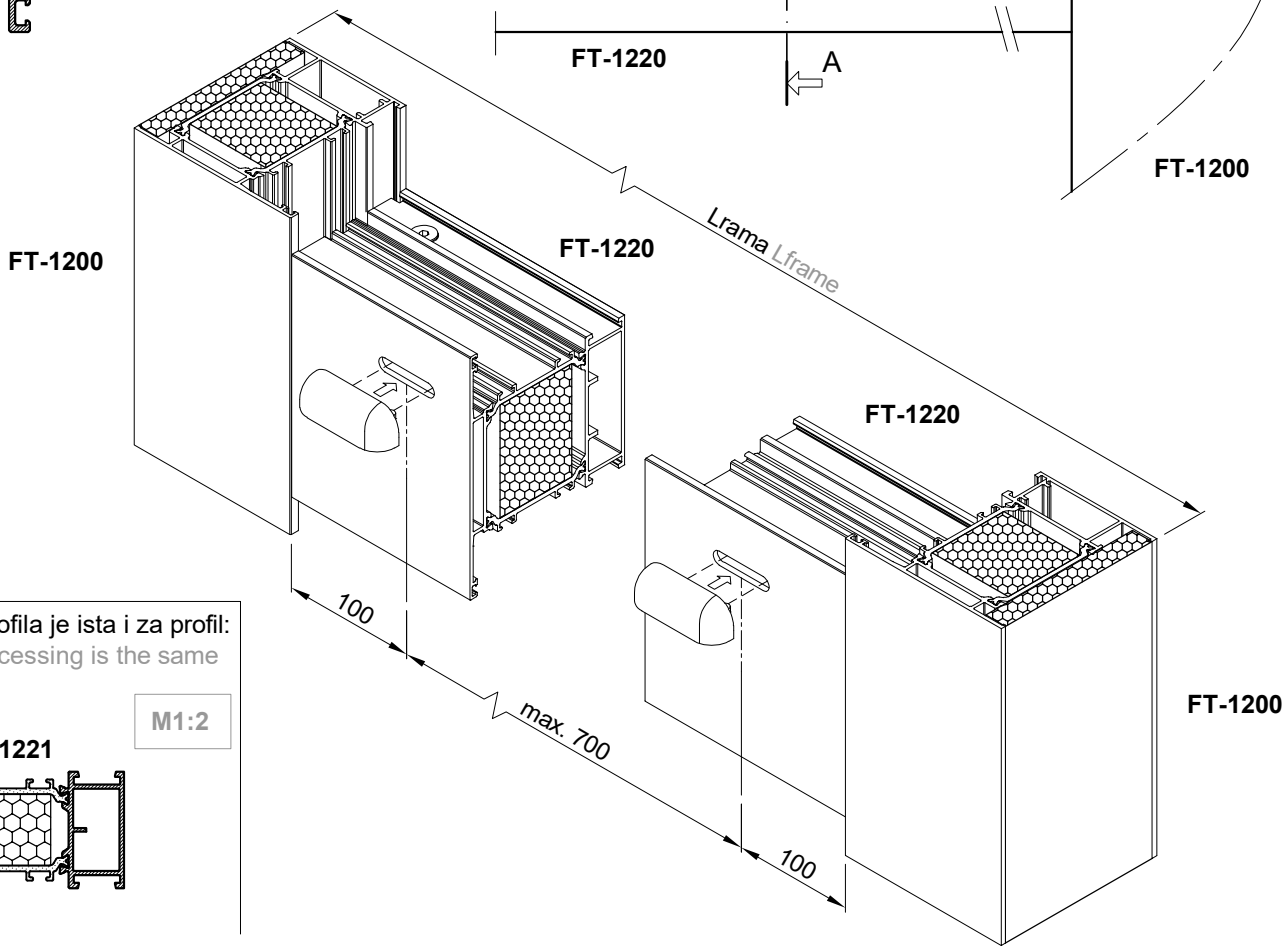
- obrada profila prečke /glodanjem/
  Alat: vretenasto glodalo Ø7
- 370.070- pvc maska za drenažni otvor

- processing of crossbar profile /milling/
  Tool: end mill Ø7
- 370.070- pvc mask for drainage hole

Presjek A-A
Cross-section A-A

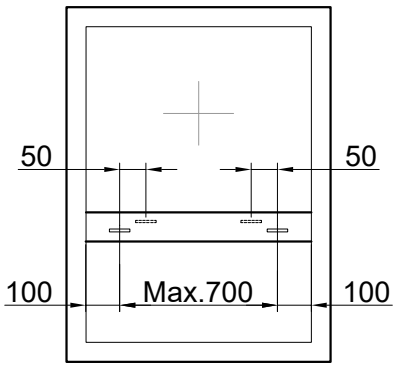






Obrada profila je ista i za profil:
Profile processing is the same for profile:

M1:2

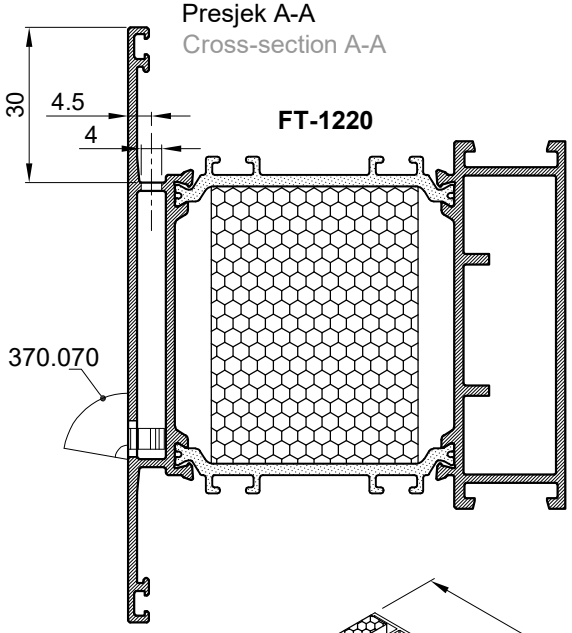


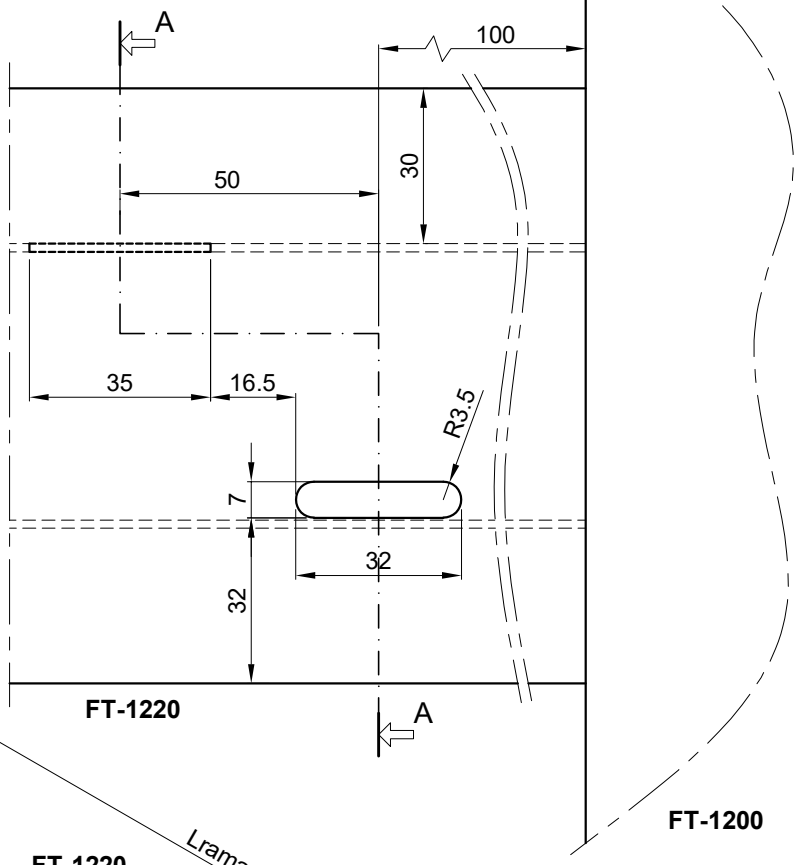
OBRADA NA PROFILU PREČKE FT-1220 ZA ODVOD KAPLJEVINA
PROCESSING OF CROSSBAR PROFILE FT-1220 FOR WATER DRAINAGE

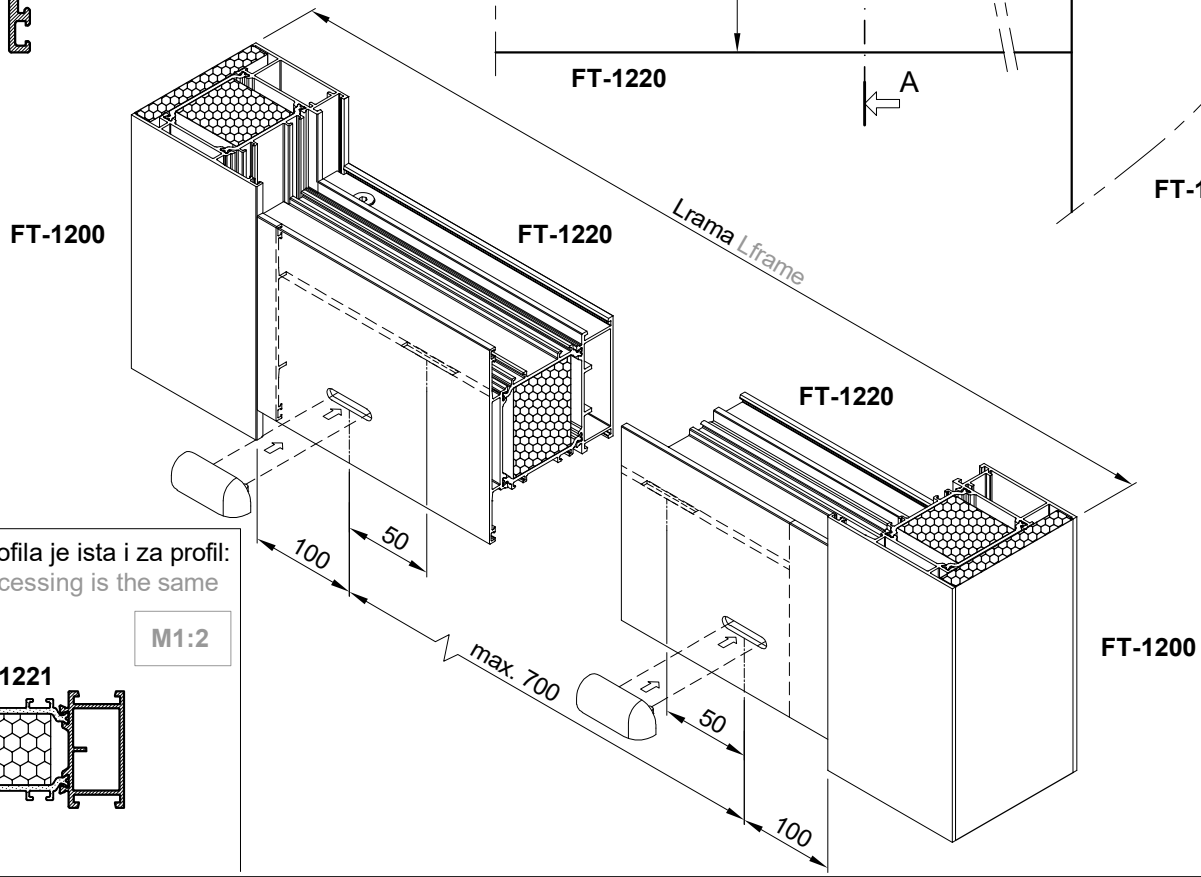
- obrada profila prečke /glodanjem/ ; (žlijeb: 35x4)
  Alat: vretenasto glodalo Ø4
- obrada profila prečke /glodanjem/ ; (žlijeb: 32x7)
  Alat: vretenasto glodalo Ø7
- 370.070- pvc maska za drenažni otvor

- processing of crossbar profile /milling/ ; (groove: 35x4)
  Tool: end mill Ø4
- processing of crossbar profile /milling/ ; (groove: 32x7)
  Tool: end mill Ø7
- 370.070- pvc mask for drainage hole

Presjek A-A
Cross-section A-A







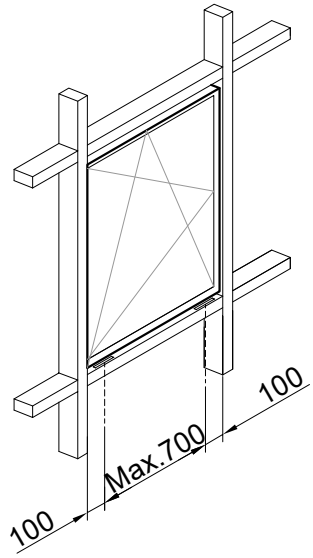
Obrada profila je ista i za profil:
Profile processing is the same for profile:

M1:2

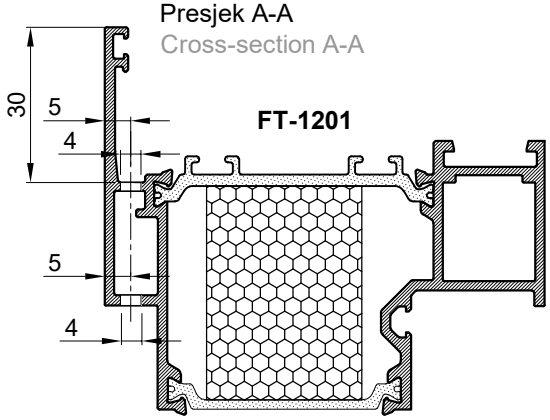
OBRADA NA PROFILU RAMA U FASADI FT-1201 ZA ODVOD KAPLJEVINA
PROCESSING OF FRAME PROFILE FT-1201 FOR WATER DRAINAGE

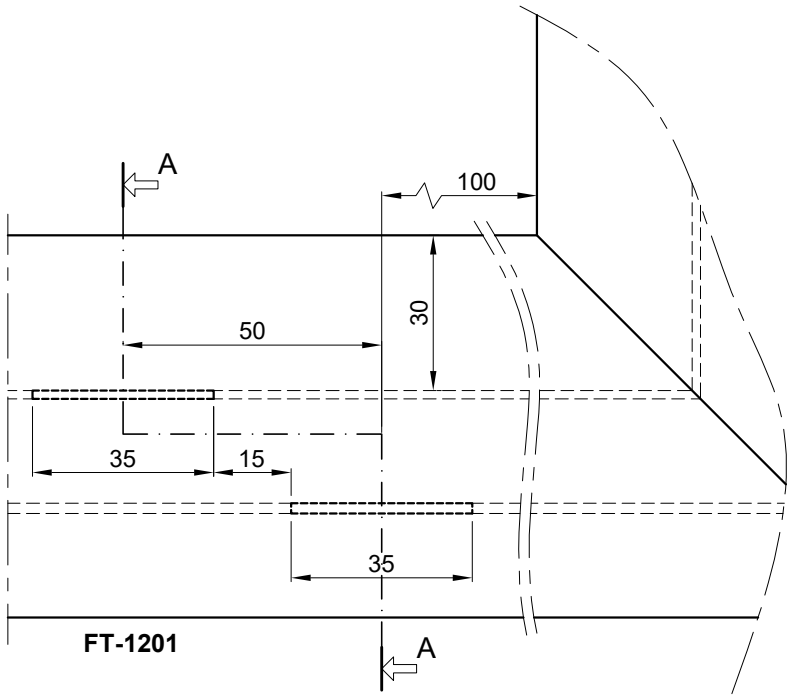
- obrada donjeg pojasa rama /štancanjem/
  Alat: Štanca S10

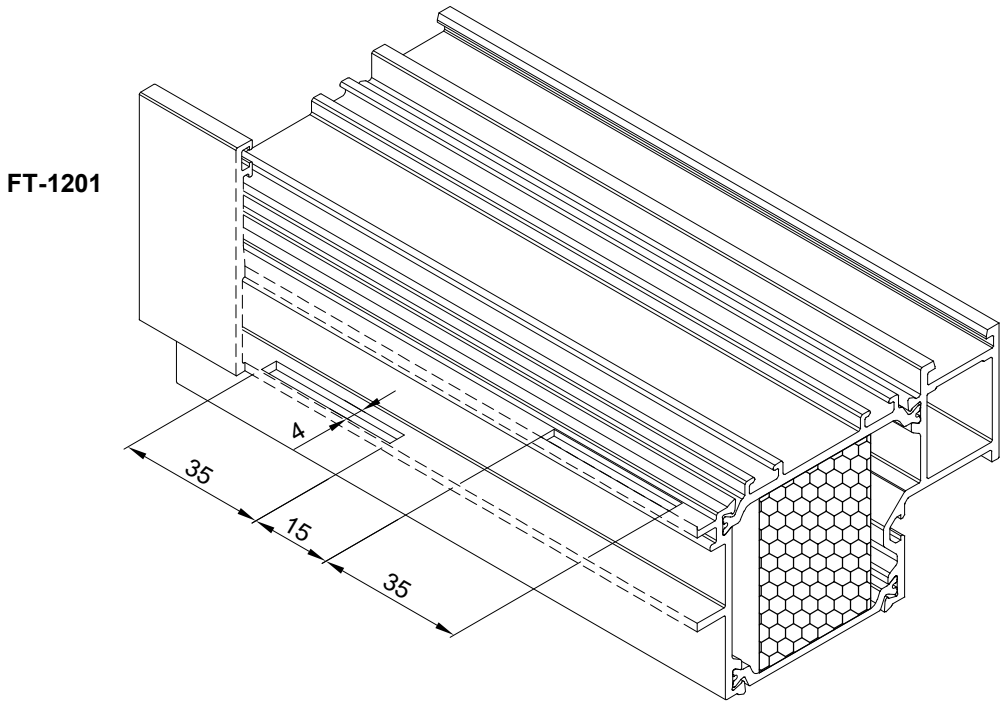
- processing of frame lower zone /metal punching/
  Tool: Metal punching machine S10

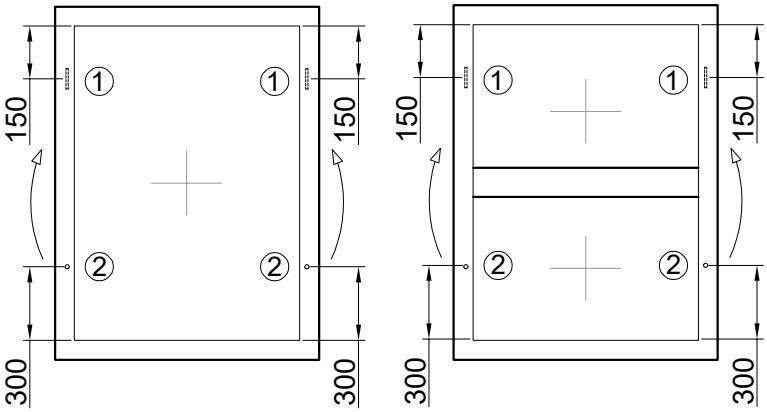


Presjek A-A
Cross-section A-A

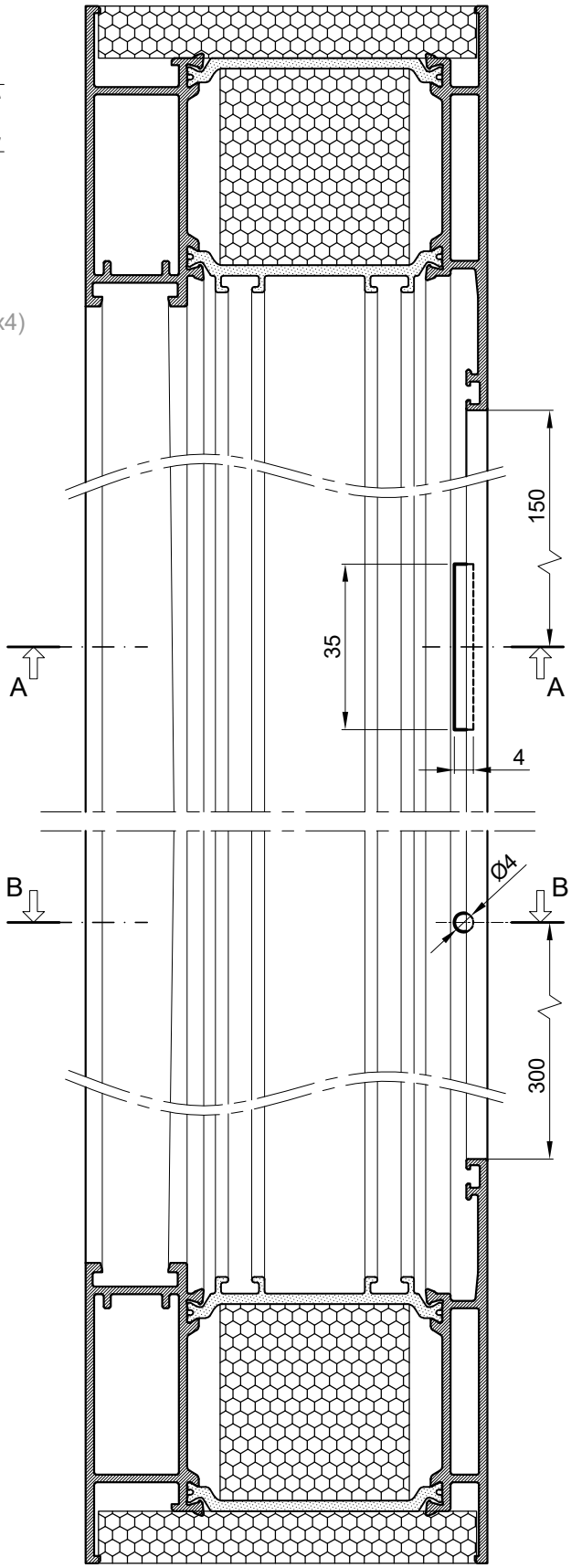






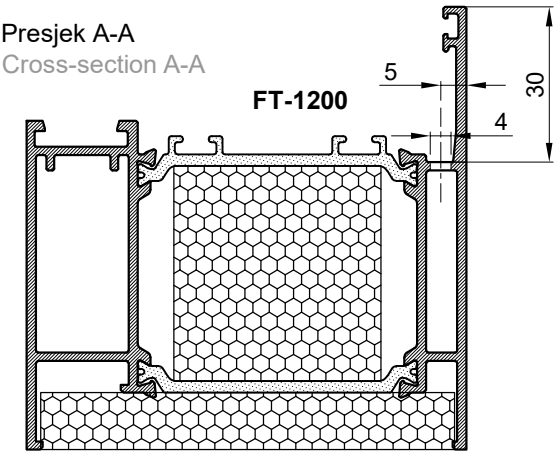


OBRADA NA PROFILU RAMA FT-1200 ZA VENTILIRANJE KOMORA RAMA
PROCESSING OF FRAME PROFILE FT-1200 FOR VENTILATION OF FRAME CHAMBERS



1. obrada okomitih pojasa rama /štancanjem/ ; (žlijeb 35x4)
Alat: Štanca S10
1. processing of frame vertical zone /metal punching/ ; (groove 35x4)
Tool: Metal punching machine S10

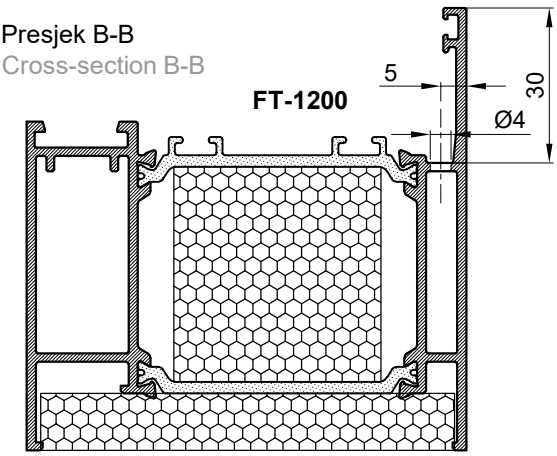
Presjek A-A
Cross-section A-A



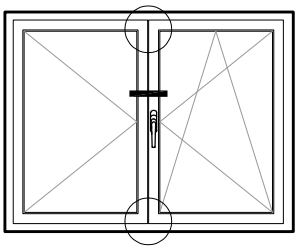
- uslijed probijenih otvora unutar prozora dolazi do uspostave strujanja zraka i isušivanja mogućih kapljevina
- due to punctured slots inside the window air flow and drying of residual water are enabled

2. obrada okomitih pojasa rama /glodanjem/ ; (rupa Ø4)
Alat: vretenasto glodalo Ø4
2. processing of frame vertical zone /milling/ ; (hole Ø4)
Tool: end mill Ø4

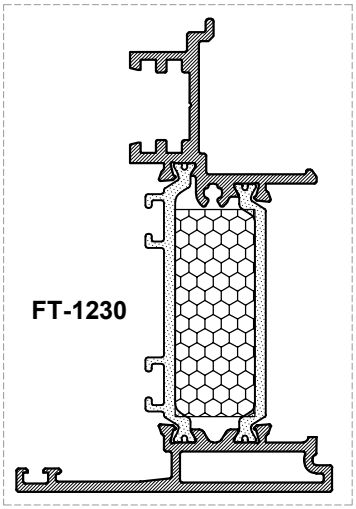
Presjek B-B
Cross-section B-B

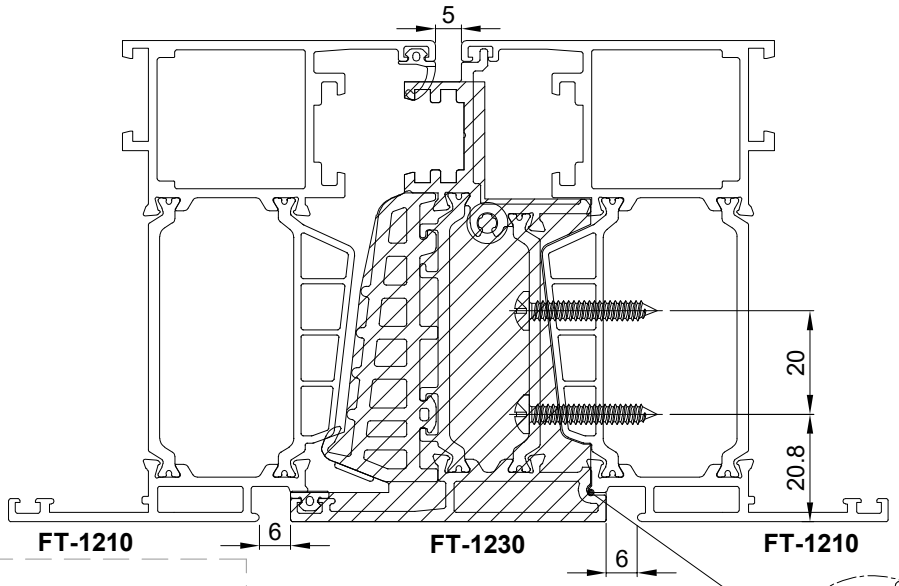


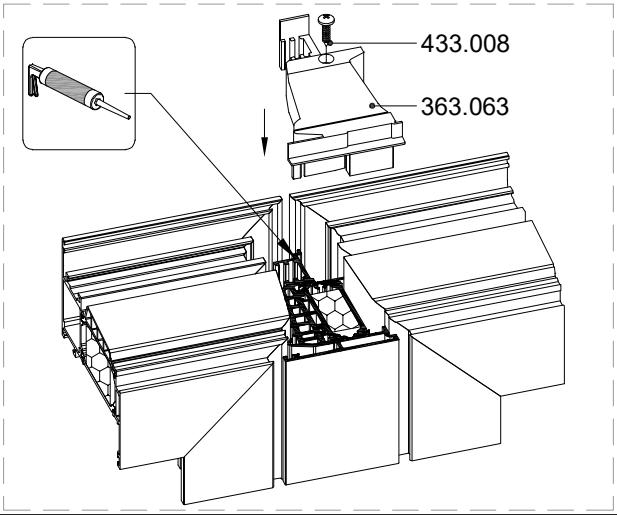
363.063 - UMETAK ZA PROFIL KOMBATUTE FT-1230 KOD DVOKRILNOG OTVARANJA
363.063 - END INSERT FOR FLYING MULLION PROFILE FT-1230 FOR DOUBLE-SASH OPENING



OTVARANJE UNUTRA
INWARDS OPENING

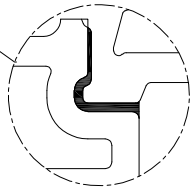




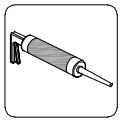


363.063
-gornji i donji umetak-simetrično
-materijal: tvrda guma
-mjera pilanja profila FT-1230
H=Hkr - 70

363.063
-upper and lower end insert-symetrical
-material:hard rubber
-cutting length of FT-1230
H=Hsh - 70

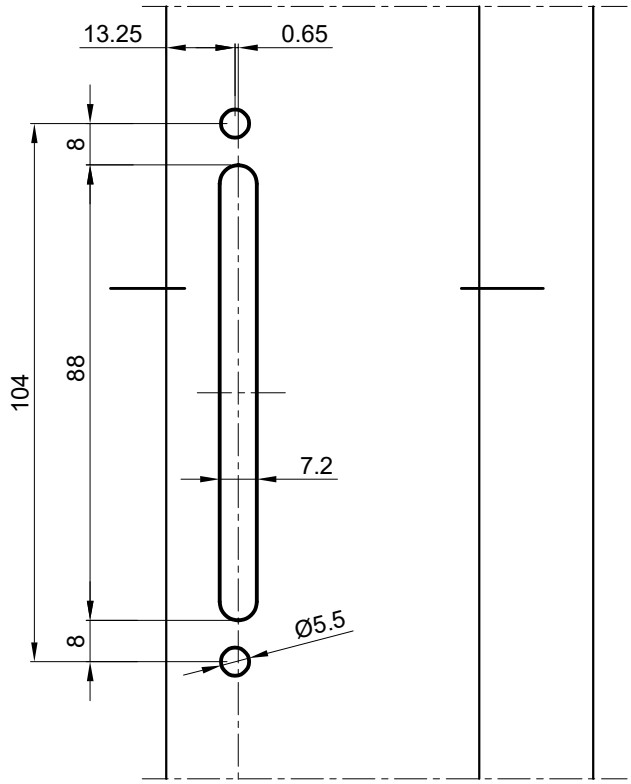


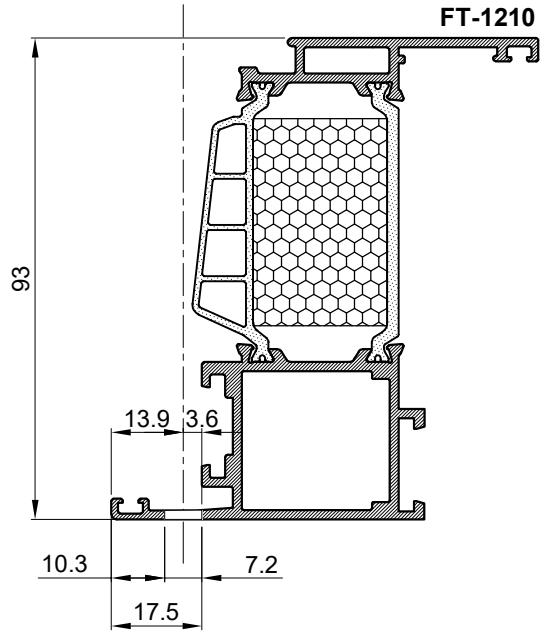
ispuniti ljepilom za metal
(cijelom dužinom profila)
to be filled with metal glue
(throughout the length of the profile)

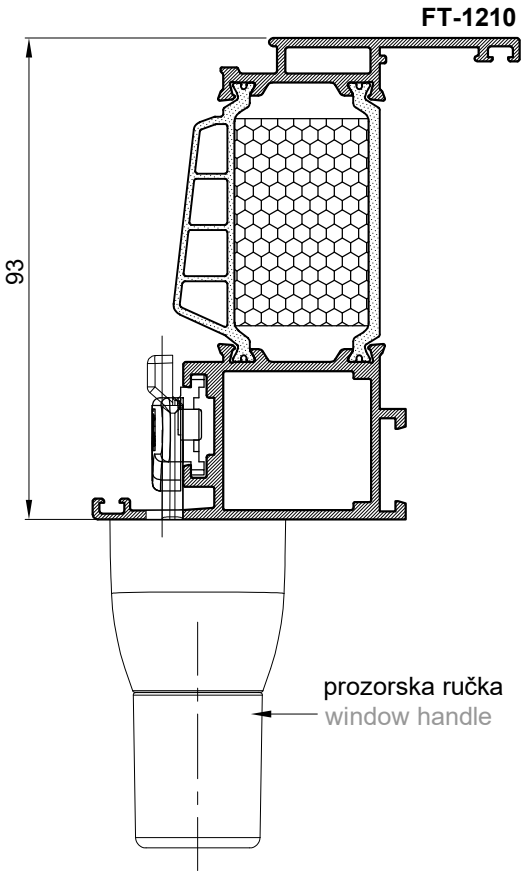


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

OBRADA PROZORSKOG PROFILA KRILA ZA UGRADNJU RUČKE
PROCESSING OF WINDOW SASH PROFILE FOR HANDLE MONTAGE



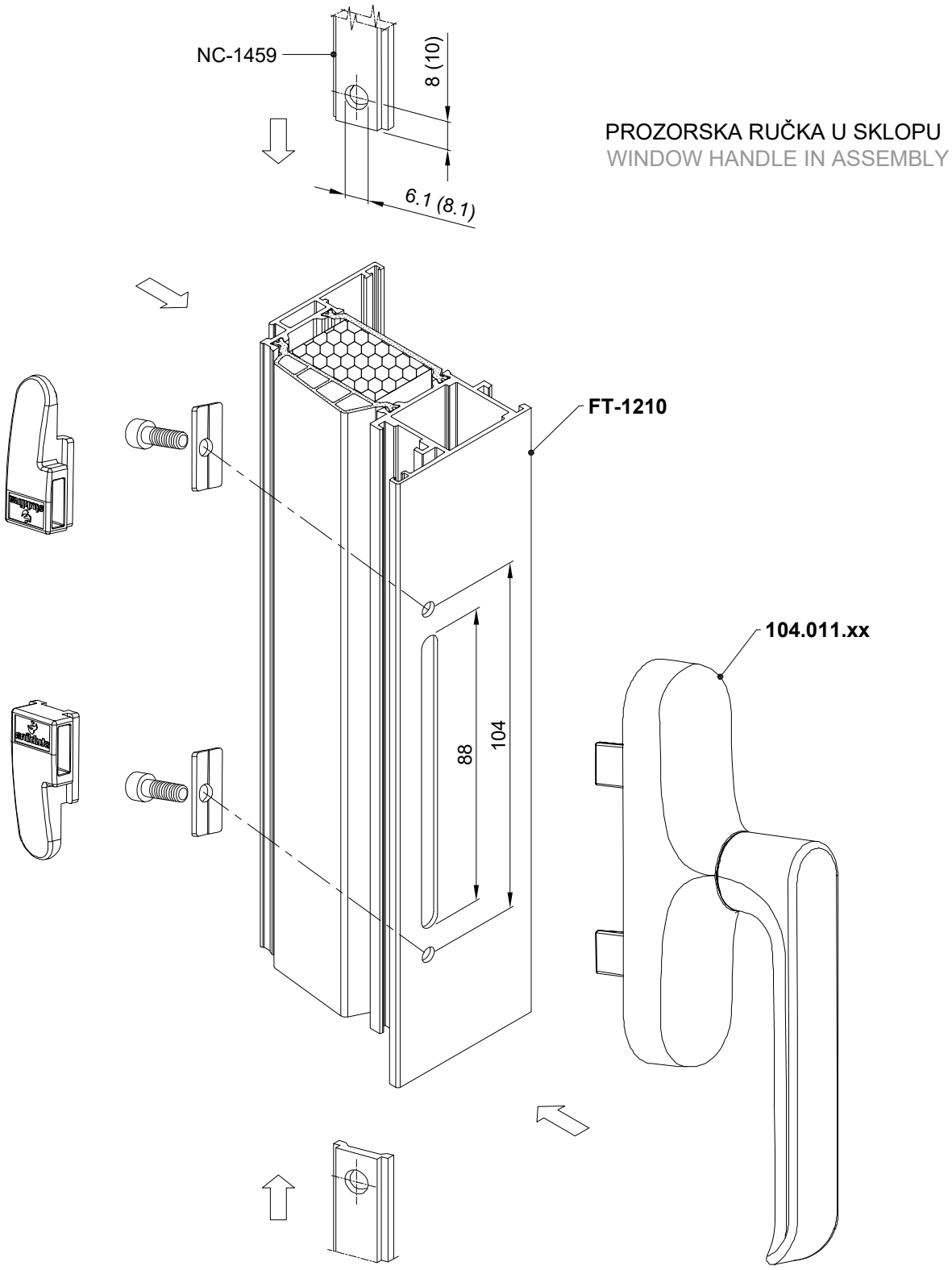




OBRADA PROZORSKOG PROFILA KRILA ZA UGRADNJU RUČKE
(OTKLOPNO-ZAOKRETNI MEHANIZAM)
PROCESSING OF WINDOW SASH PROFILE FOR HANDLE MONTAGE
(TILT-TURN MECHANISM)

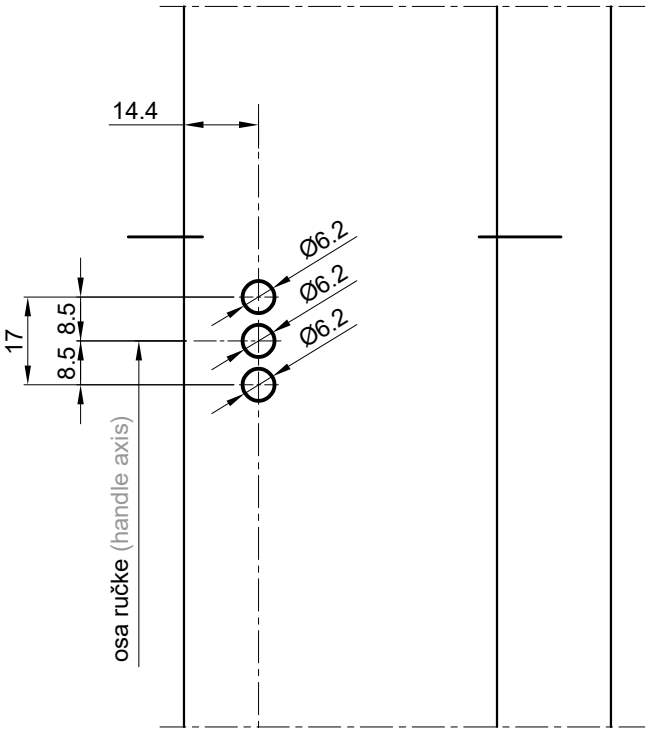
- obrada na profilu krila /štancanjem/
  Alat: Štanca S1
- processing on sash profile /metal punching/
  Tool: Metal punching machine S1

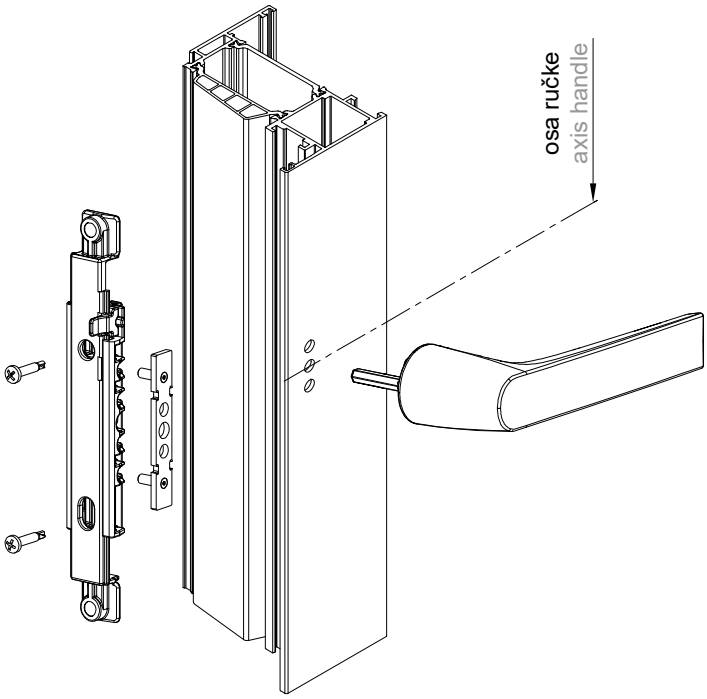
OBRADA PROZORSKOG PROFILA KRILA ZA UGRADNJU RUČKE
PROCESSING OF WINDOW SASH PROFILE FOR HANDLE MONTAGE

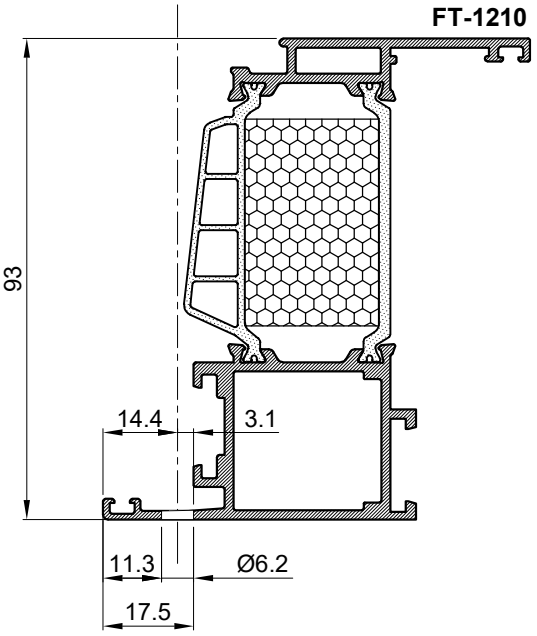


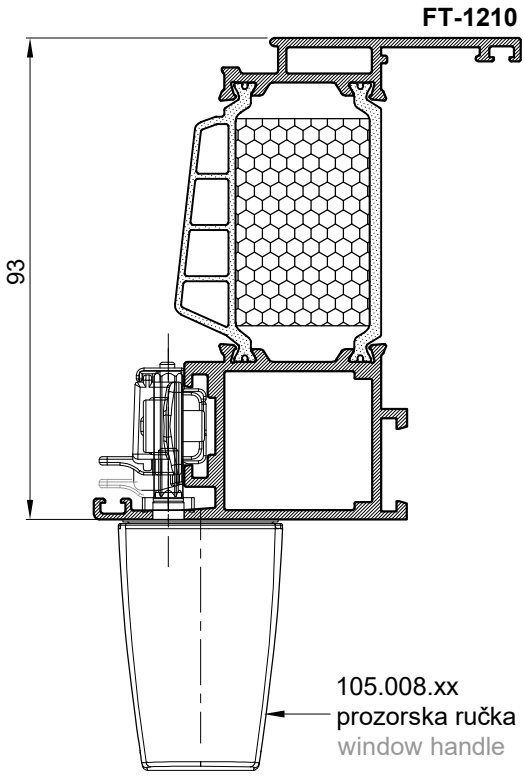
- obrada na profilu krila /štancanjem/
  Alat: Štanca S1
- processing on sash profile /metal punching/
  Tool: Metal punching machine S1

OBRADA PROZORSKOG PROFILA KRILA ZA UGRADNJU RUČKE
PROCESSING OF WINDOW SASH PROFILE FOR HANDLE MONTAGE





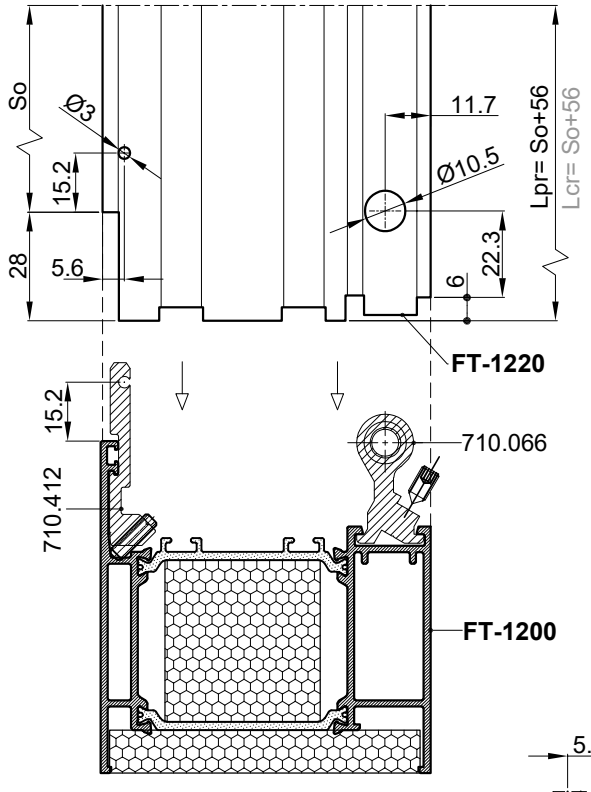




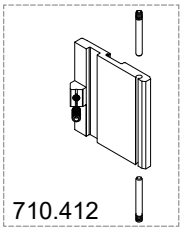
OBRADA PROZORSKOG PROFILA KRILA ZA UGRADNJU RUČKE
(SKRIVENI OTKLOPNO-ZAOKRETNI MEHANIZAM -GIESSE)
PROCESSING OF WINDOW SASH PROFILE FOR HANDLE MONTAGE
(CONCEALED TILT-TURN MECHANISM - GIESSE)

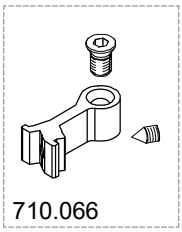
- obrada na profilu krila /glodanjem/
  Alat: vretenasto glodalo Ø6.2
- processing on sash profile /milling/
  Tool: end mill Ø6.2

SPAJANJE PROFILA PREČKE **FT-1220** S PROFILOM RAMA **FT-1200** - POMOĆU VEZNIKA
CONNECTING THE CROSSBAR PROFILE **FT-1220** WITH FRAME PROFILE **FT-1200** - BY USING CONNECTING ELEMENT -(T BRACKET)



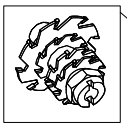
Mjera pilanja prečke FT-1220:
Lpr = So /svijetli otvor/ + 56 mm
Sawing length of the crossbar FT-1220:
Lcr = So /light opening/ + 56 mm



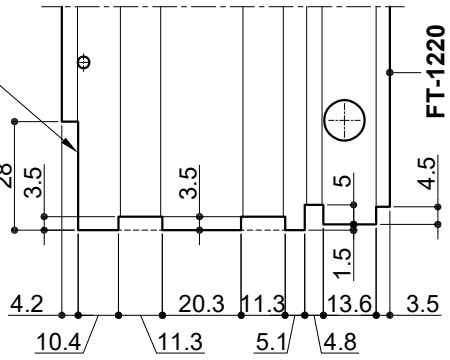


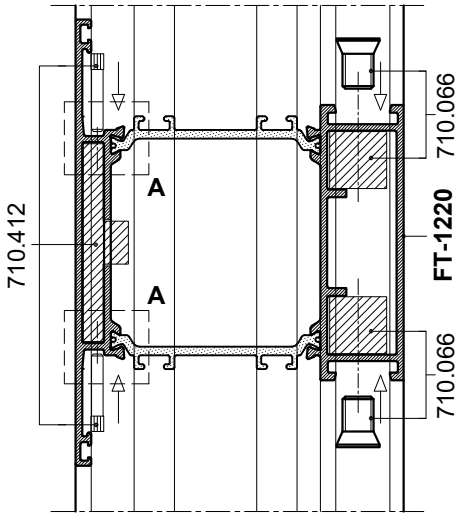
① Obrada profila prečke
Processing of the crossbar profile

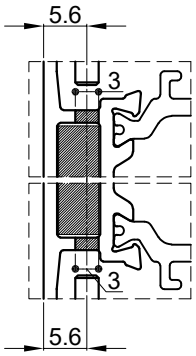
1. obrada profila snopom glodala .....art. **220.027**
2. obrada profila na glodalici ili obradnom centru
1. processing of the profile with milling cutter tool ..... art. **220.027**
2. processing of the profile on a milling machine or a CNC machine



art.220.027



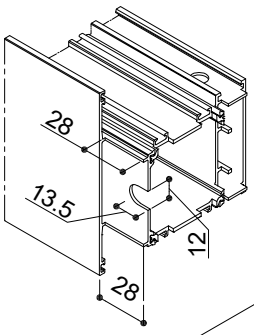


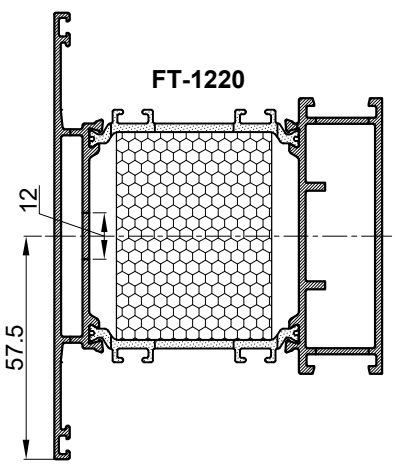


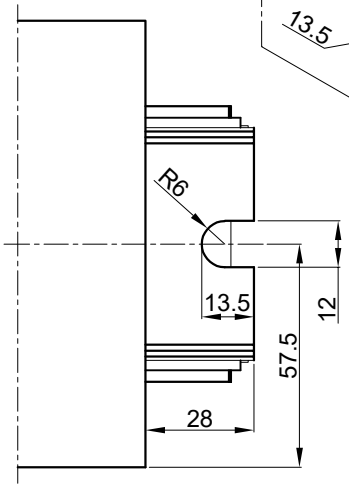
DETALJ **A**
M2:1

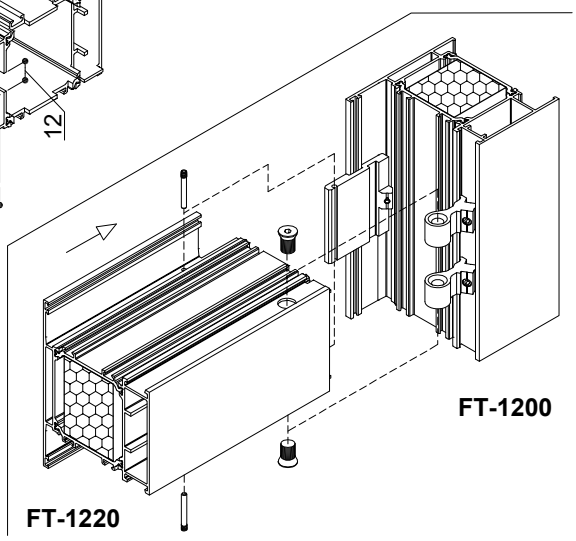
② Obrada profila prečke glodalom Ø12
Processing of the crossbar profile with milling cutter tool Ø12

(Nakon završene obrade profila prečke snopom glodala (art.220.027), pristupiti obradi profila prečke glodalom Ø12)
(After finishing processing of the crossbar profile by milling cutter tool (art.220.027), additional processing of the crossbar profile by milling cutter tool Ø12)

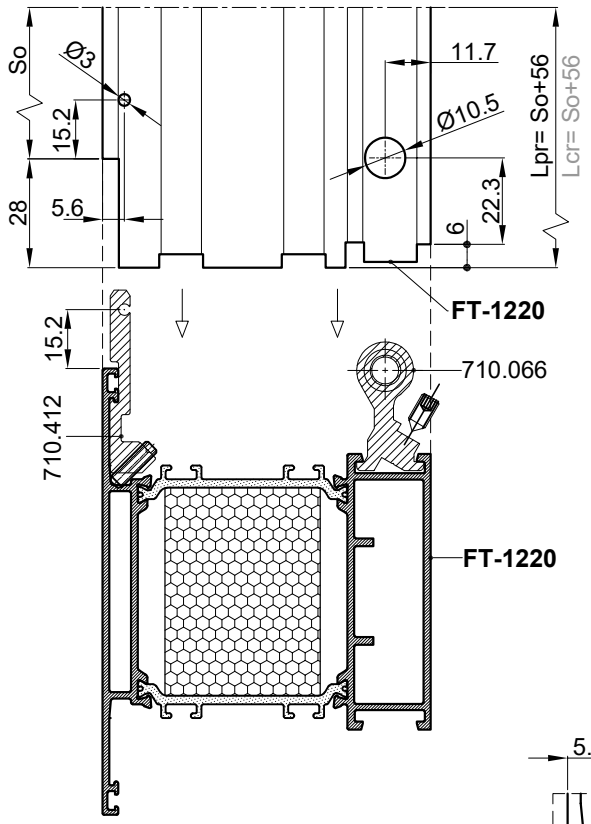




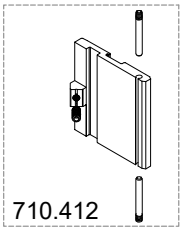


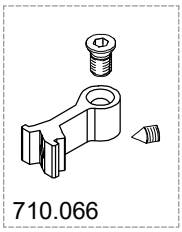


SPAJANJE PROFILA PREČKE **FT-1220** S PROFILOM PREČKE **FT-1220** - POMOĆU VEZNIKA
CONNECTING THE CROSSBAR PROFILE **FT-1220** WITH CROSSBAR PROFILE **FT-1220** - BY USING CONNECTING ELEMENT -(T BRACKET)



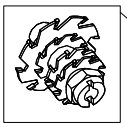
Mjera pilanja prečke FT-1220:
Lpr = So /svijetli otvor/ + 56 mm
Sawing length of the crossbar FT-1220:
Lcr = So /light opening/ + 56 mm



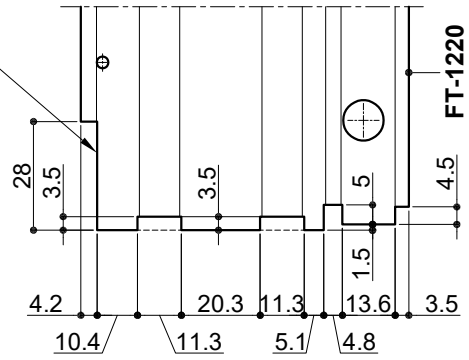


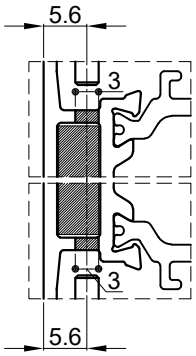
① Obrada profila prečke
Processing of the crossbar profile

1. obrada profila snopom glodala .....art. **220.027**
2. obrada profila na glodalici ili obradnom centru
1. processing of the profile with milling cutter tool ..... art. **220.027**
2. processing of the profile on a milling machine or a CNC machine

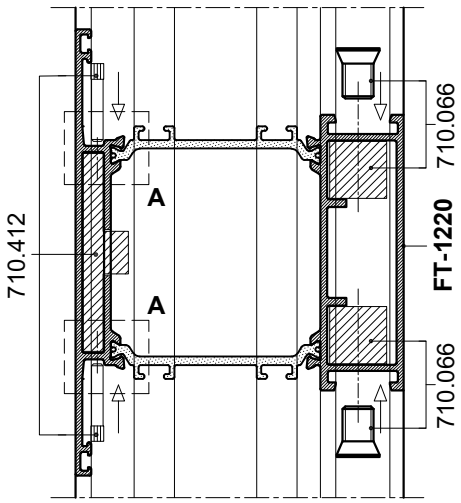


art.220.027



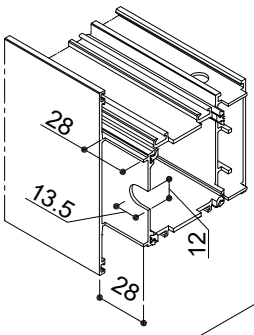


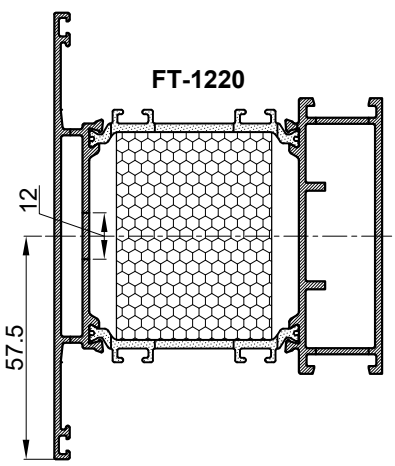
DETALJ **A**
M2:1

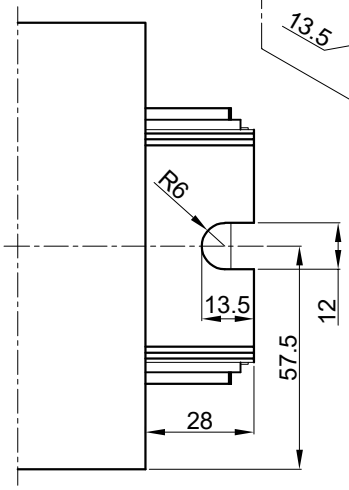


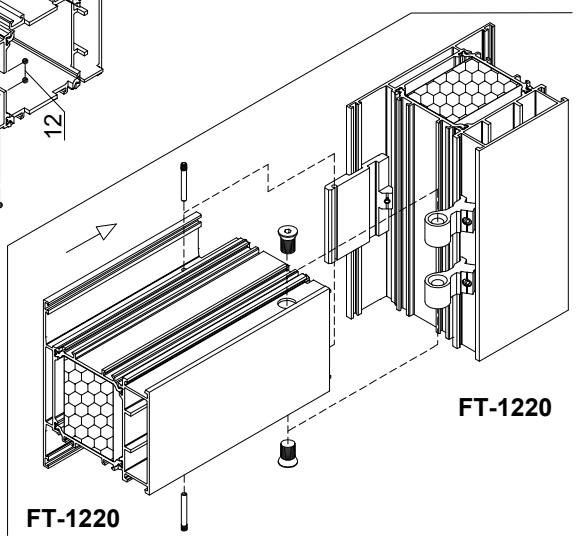
② Obrada profila prečke glodalom Ø12
Processing of the crossbar profile with milling cutter tool Ø12

(Nakon završene obrade profila prečke snopom glodala (art.220.027), pristupiti obradi profila prečke glodalom Ø12)
(After finishing processing of the crossbar profile by milling cutter tool (art.220.027), additional processing of the crossbar profile by milling cutter tool Ø12)

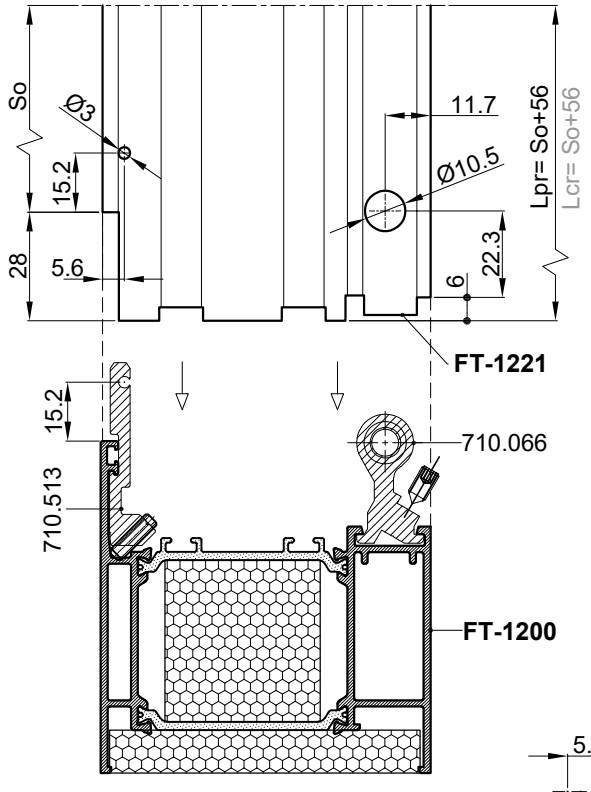




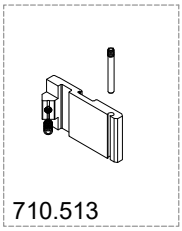




SPAJANJE PROFILA PREČKE **FT-1221** S PROFILOM RAMA **FT-1200** - POMOĆU VEZNIKA
CONNECTING THE CROSSBAR PROFILE **FT-1221** WITH FRAME PROFILE **FT-1200** - BY USING CONNECTING ELEMENT -(T BRACKET)



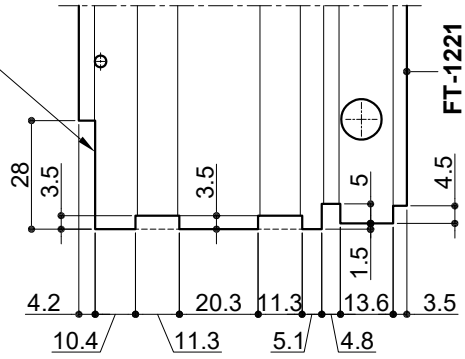
Mjera pilanja prečke FT-1221:
Lpr = So /svijetli otvor/ + 56 mm
Sawing length of the crossbar FT-12xx:
Lcr = So /light opening/ + 56 mm

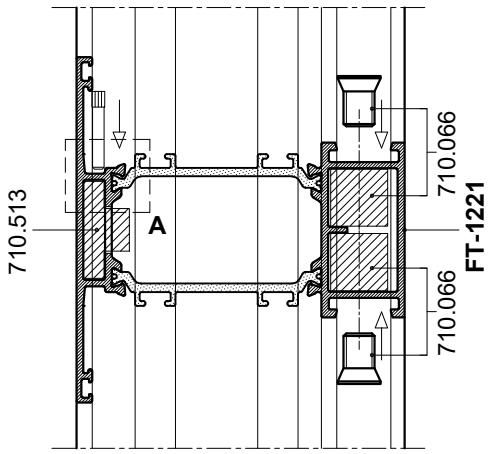


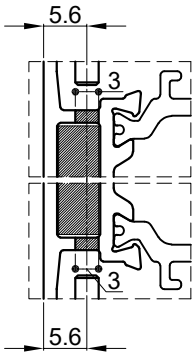
① Obrada profila prečke
Processing of the crossbar profile

1. obrada profila snopom glodala .....art. **220.027**
2. obrada profila na glodalici ili obradnom centru
1. processing of the profile with milling cutter tool ..... art. **220.027**
2. processing of the profile on a milling machine or a CNC machine


art.220.027



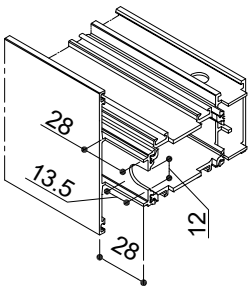


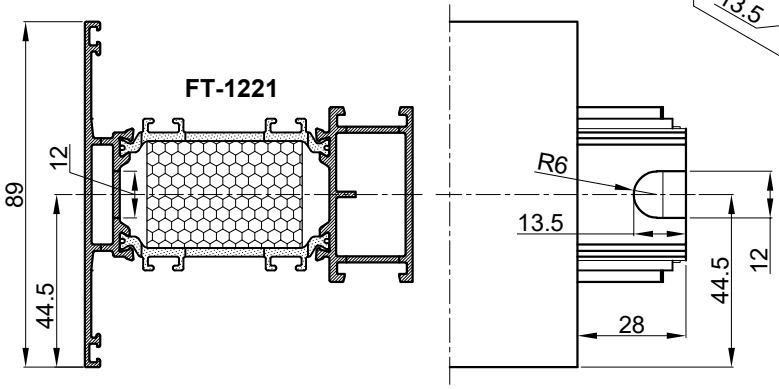


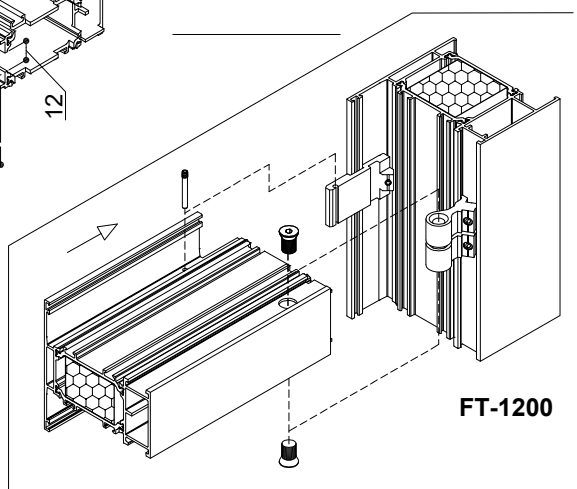
DETALJ **A**
M2:1

② Obrada profila prečke glodalom Ø12
Processing of the crossbar profile with milling cutter tool Ø12

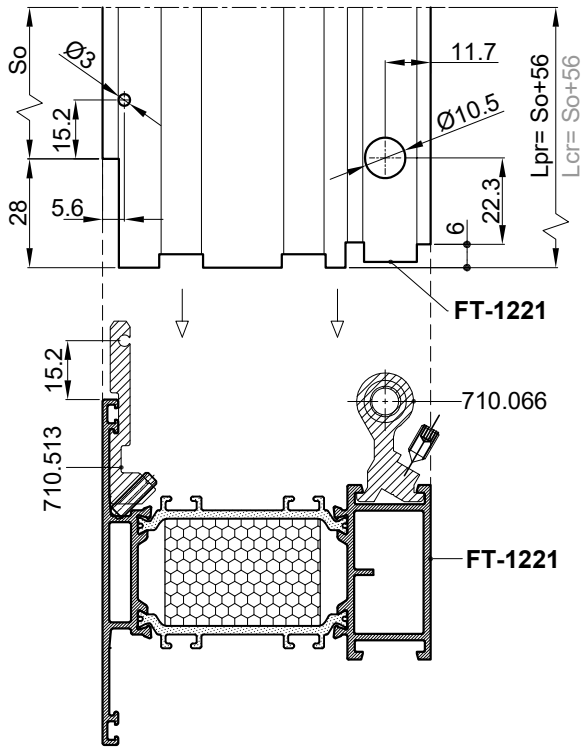
(Nakon završene obrade profila prečke snopom glodala (art.220.027), pristupiti obradi profila prečke glodalom Ø12)
(After finishing processing of the crossbar profile by milling cutter tool (art.220.027), additional processing of the crossbar profile by milling cutter tool Ø12)



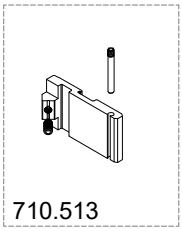




SPAJANJE PROFILA PREČKE **FT-1221** S PROFILOM PREČKE **FT-1221** - POMOĆU VEZNIKA
CONNECTING THE CROSSBAR PROFILE **FT-1221** WITH CROSSBAR PROFILE **FT-1221** - BY USING CONNECTING ELEMENT -(T BRACKET)



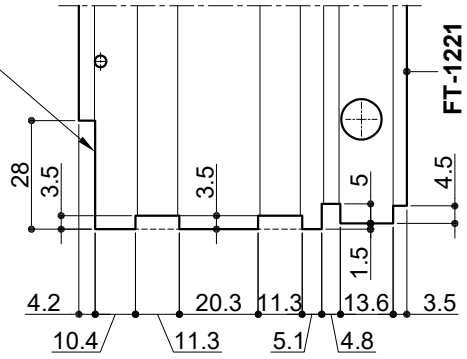
Mjera pilanja prečke FT-1221:
Lpr = So /svijetli otvor/ + 56 mm
Sawing length of the crossbar FT-1220:
Lcr = So /light opening/ + 56 mm

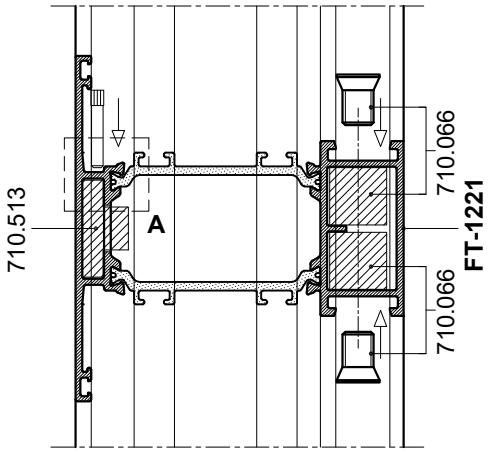


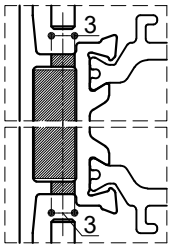
① Obrada profila prečke
Processing of the crossbar profile

1. obrada profila snopom glodala .....art. **220.027**
2. obrada profila na glodalici ili obradnom centru
1. processing of the profile with milling cutter tool ..... art. **220.027**
2. processing of the profile on a milling machine or a CNC machine


art.220.027



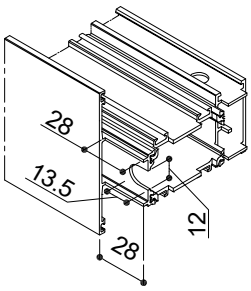


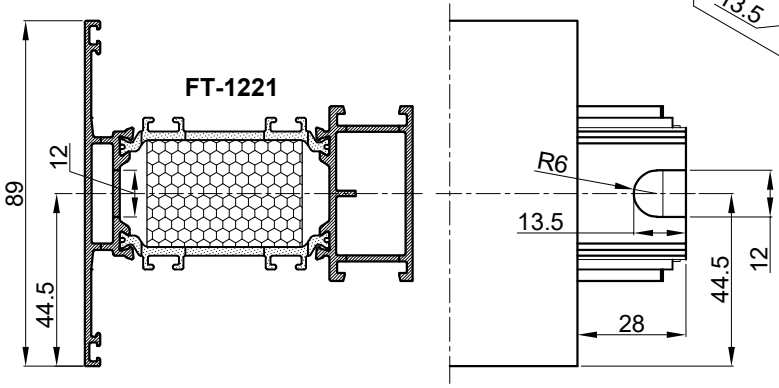


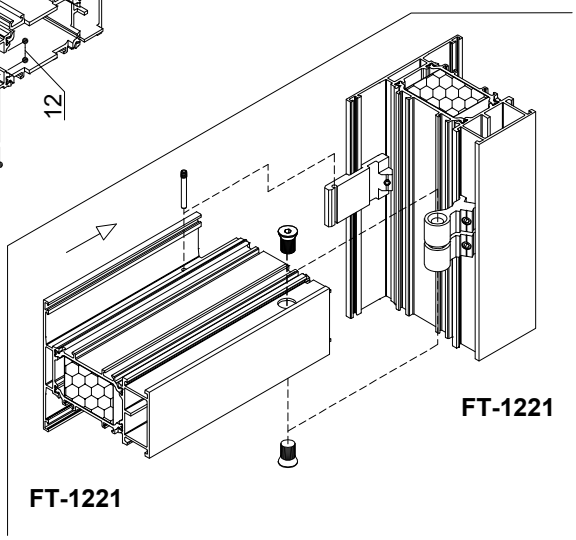
DETALJ **A**
M2:1

② Obrada profila prečke glodalom Ø12
Processing of the crossbar profile with milling cutter tool Ø12

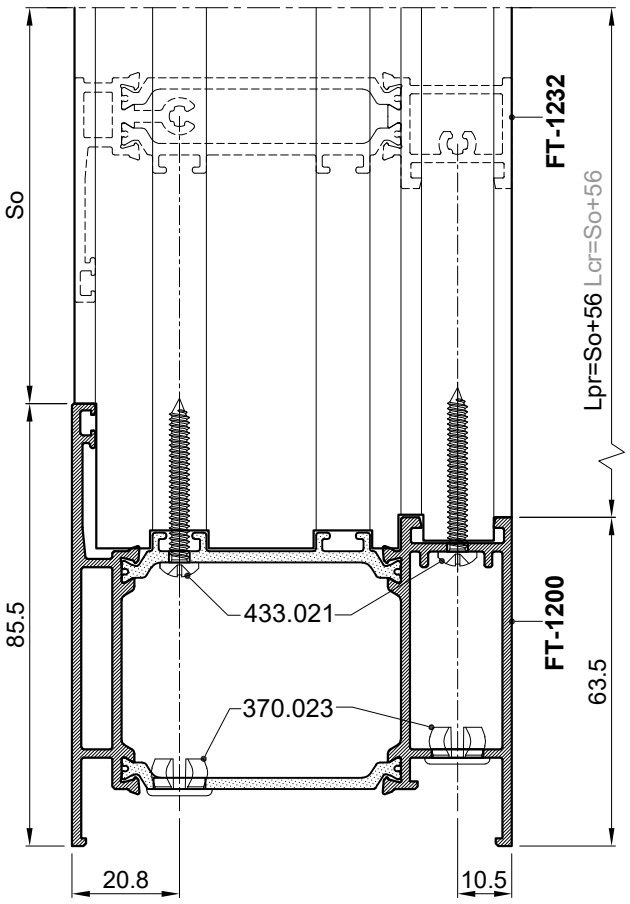
(Nakon završene obrade profila prečke snopom glodala (art.220.027), pristupiti obradi profila prečke glodalom Ø12)
(After finishing processing of the crossbar profile by milling cutter tool (art.220.027), additional processing of the crossbar profile by milling cutter tool Ø12)







SPAJANJE PROFILA PRAGA **FT-1232** S PROFILOM RAMA **FT-1200** POMOĆU VIJAKA
CONNECTING OF THE THRESHOLD PROFILE **FT-1232** WITH FRAME PROFILE **FT-1200** USING SCREWS

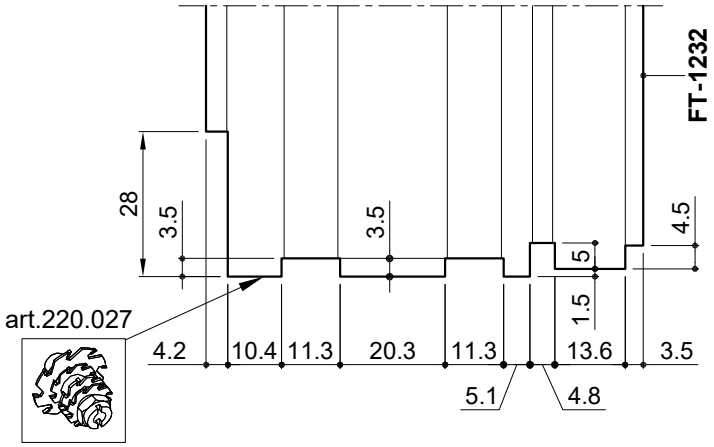


Mjera pilanja profila praga FT-1232:
Lpr=So /svijetli otvor/ + 56 mm
Sawing length of threshold profile FT-1232:
Lth=So /light opening/ + 56 mm

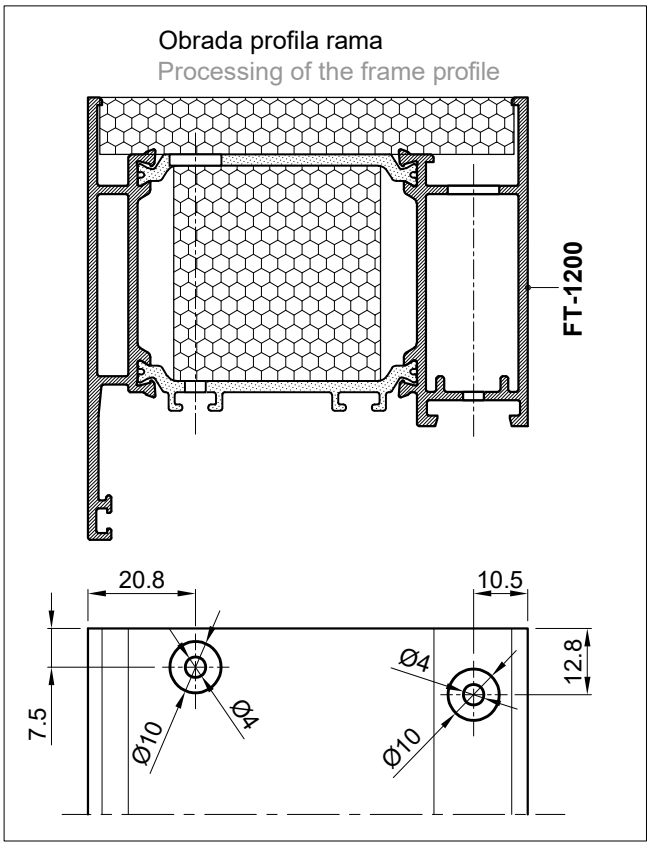
Obrada profila praga
Processing of the threshold profile

1. obrada profila snopom glodala .....art. **220.027**
2. obrada profila na glodalici ili obradnom centru

1. processing the profile with milling cutter tool
..... art. **220.027**
2. processing the profile on a milling machine or a CNC machine



Obrada profila rama
Processing of the frame profile

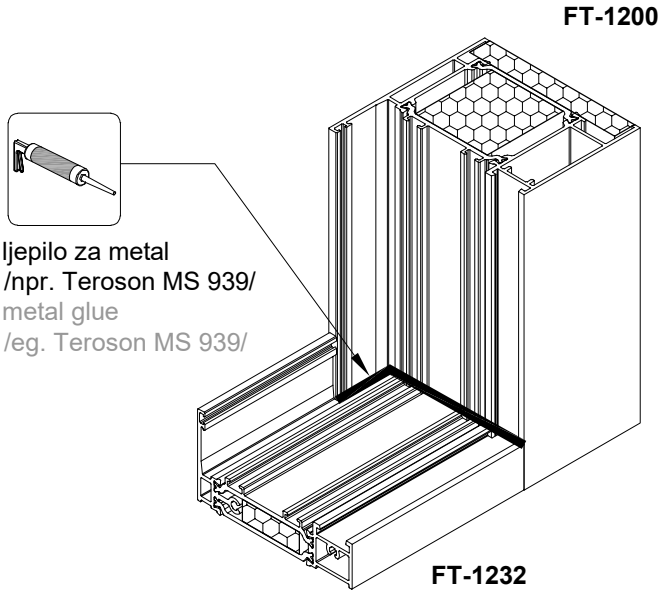




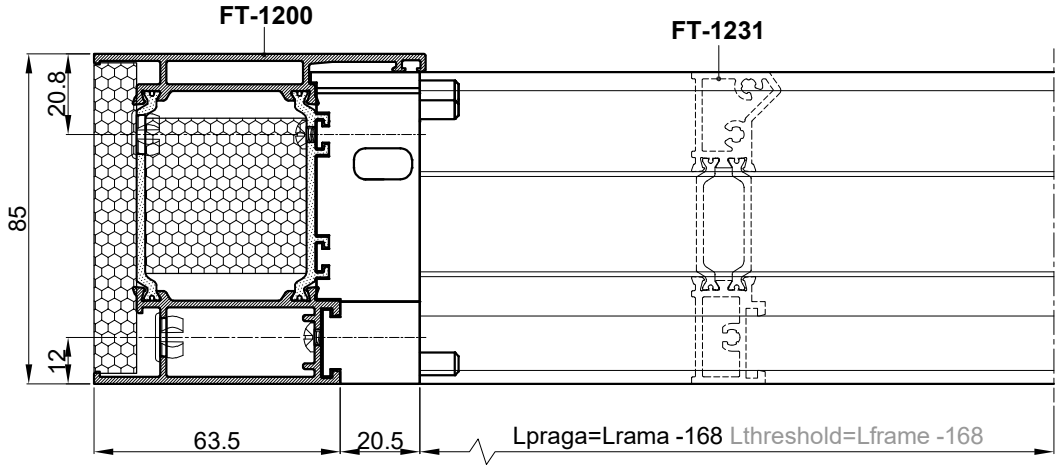
370.023
pvc čep-maska-
za Ø10 mm
pvc cap-mask-
for Ø10 mm



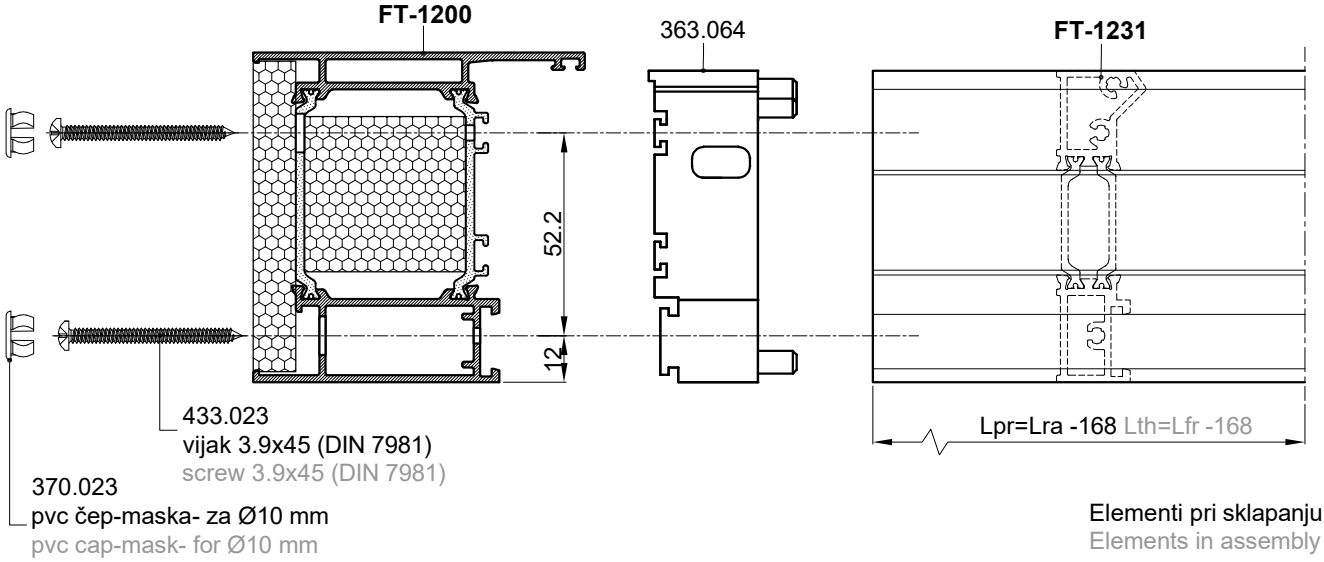
433.021
vijak 3.9x32 (DIN 7981)
screw 3.9x32 (DIN 7981)



SPAJANJE PROFILA PRAGA **FT-1231** SA PROFILOM RAMA **FT-1200** POMOĆU UMETKA **363.064**
CONNECTING THE THRESHOLD PROFILE **FT-1231** WITH FRAME PROFILE **FT-1200** USING END INSERT **363.064**

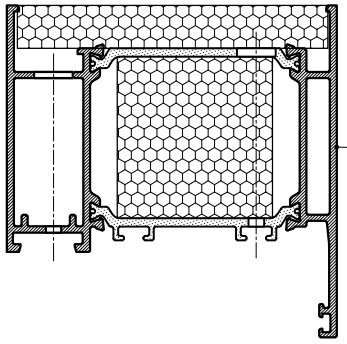


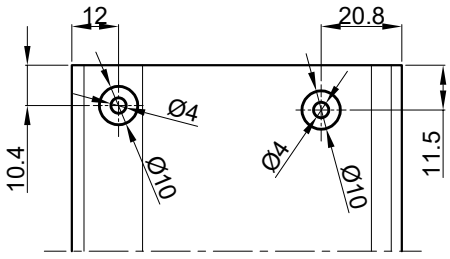
Mjera pilanja profila praga
Lpr=Lra-168
Sawing length of threshold profile
Lth=Lfr-168

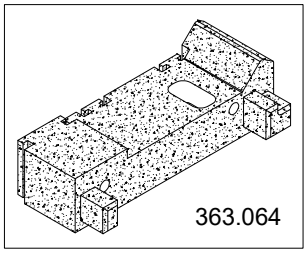


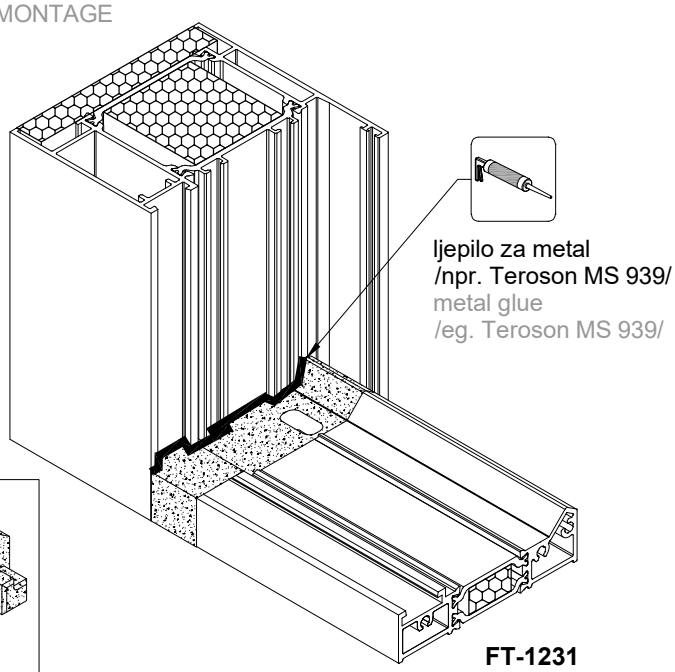
Elementi pri sklapanju
Elements in assembly

OBRADA PROFILA RAMA **FT-1200** ZA UGRADNJU PRAGA SA UMETKOM
PROCESSING PROFILE FRAME FT-1200 FOR THRESHOLD MONTAGE WITH AN END INSERT

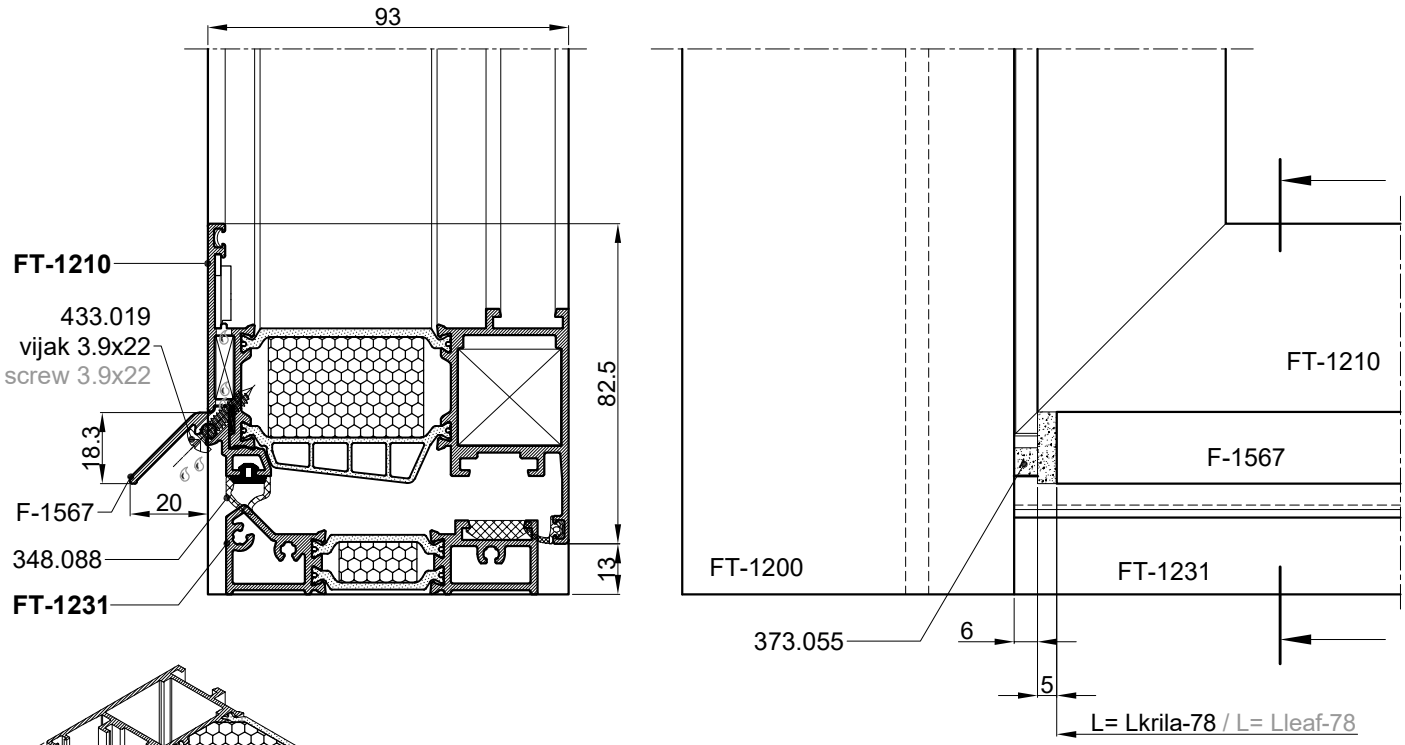


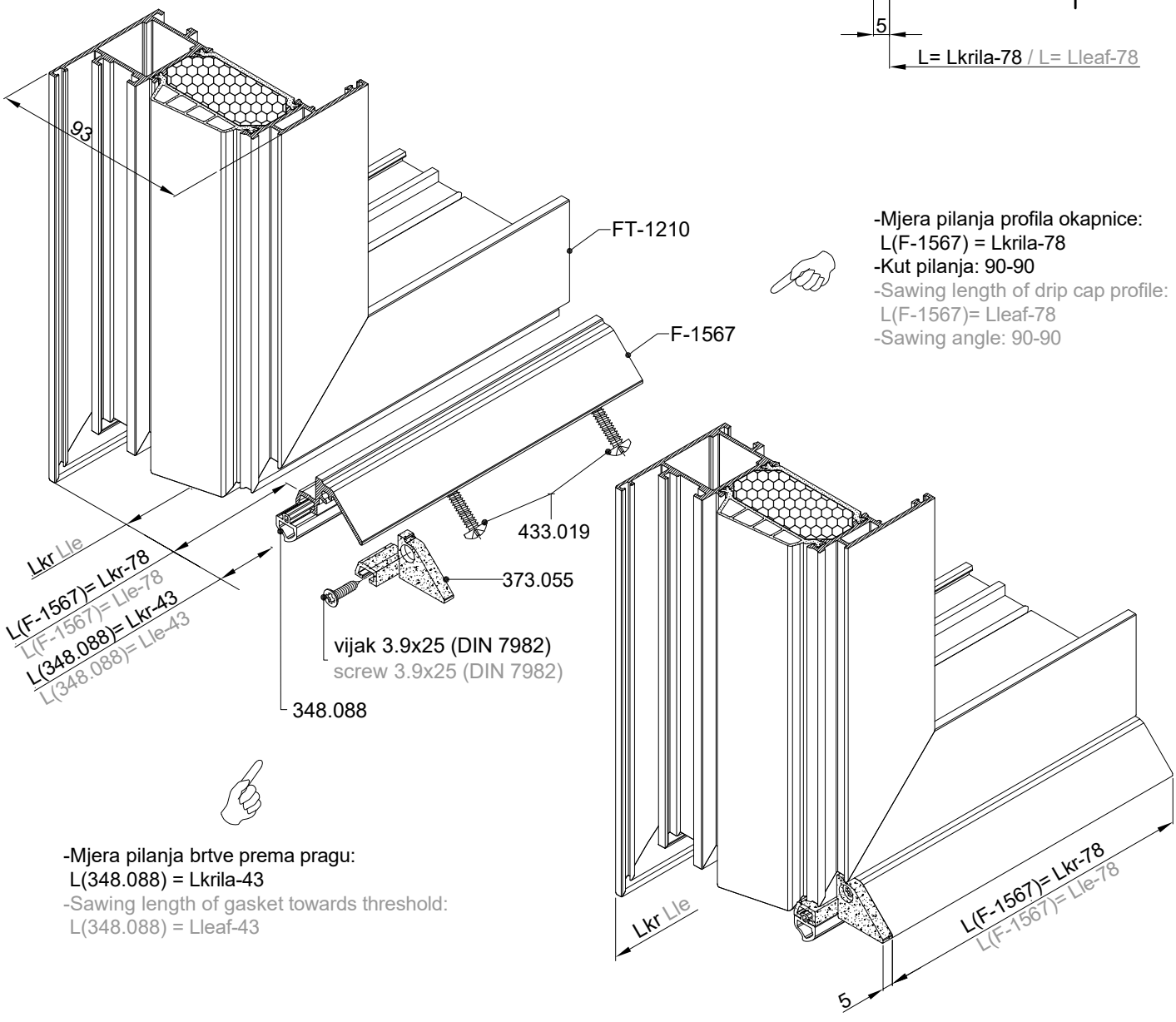






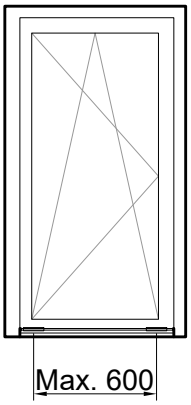
DETALJ UGRADNJE PROFILA OKAPNICE **F-1567** S BRTVOM PREMA PRAGU U PROFIL KRILA VRATA
INSTALLATION OF DRIP CAP PROFILE **F-1567** WITH GASKET ON THE BOTTOM OF THE DOOR LEAF PROFILE



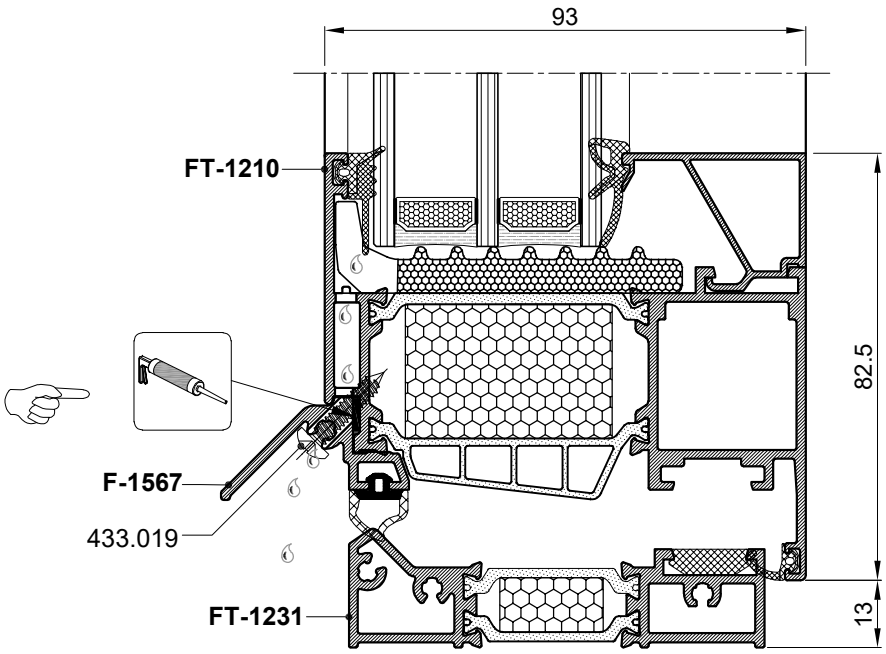


-Mjera pilanja profila okapnice:
L(F-1567) = Lkrila-78
-Kut pilanja: 90-90
-Sawing length of drip cap profile:
L(F-1567)= Lleaf-78
-Sawing angle: 90-90

-Mjera pilanja brtve prema pragu:
L(348.088) = Lkrila-43
-Sawing length of gasket towards threshold:
L(348.088) = Lleaf-43



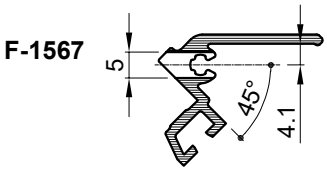
ODVOD KAPLJEVINA IZ PROFILA KRILA VRATA (otvaranje unutra)
DOOR LEAF WATER DRAINAGE (inwards opening)

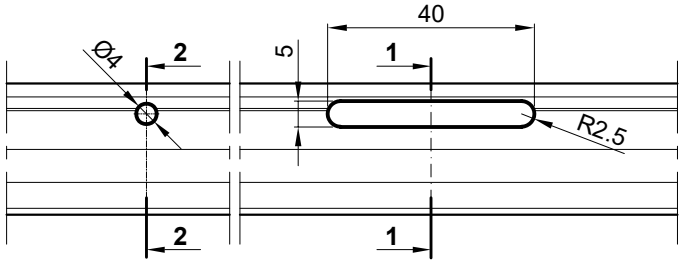


-Površine između profila krila vrata i okapnice, zbog propuštanja vode obavezno ispuniti ljepilom za metal, /npr. "Henkel" - *Teroson MS 939* /.
-Because of water drainage, surfaces between door leaf and drip cap profile, must be filled with metal glue. /eg. "Henkel" - Teroson MS 939 /.

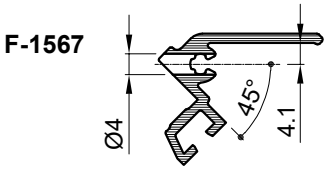
OBRADA NA PROFILU OKAPNICE F-1567
ZA ODVOD KAPLJEVINA IZ PROFILA KRILA VRATA I PRIHVAT VIJKA 433.019
PROCESSING ON DRIP CAP PROFILE F-1567
FOR WATER DRAINAGE ON DOOR LEAF PROFILE AND OF HOLES FOR SCREW 433.019

PRESJEK 1-1
CROSS SECTION 1-1

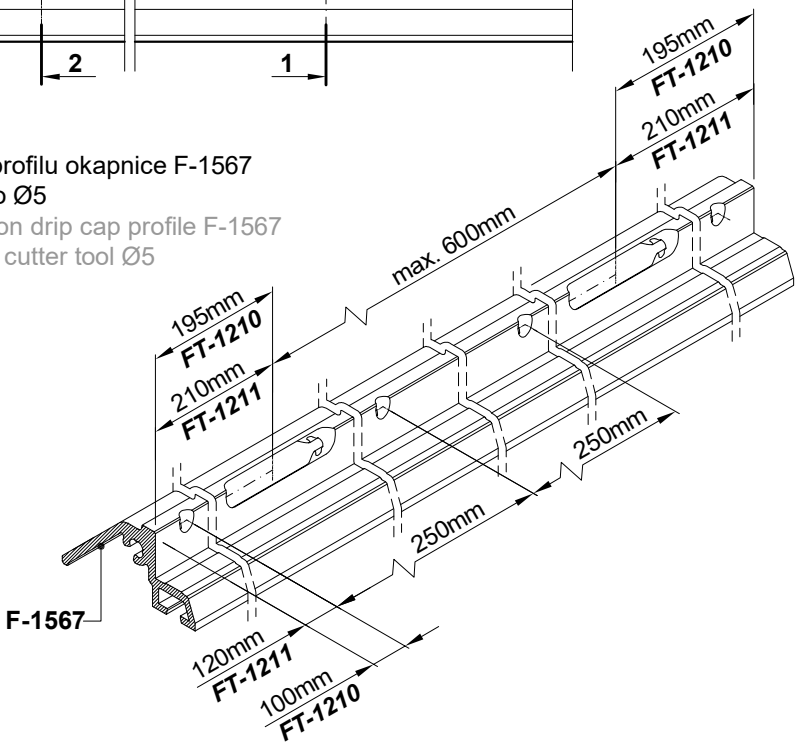


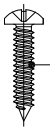


PRESJEK 2-2
CROSS SECTION 2-2



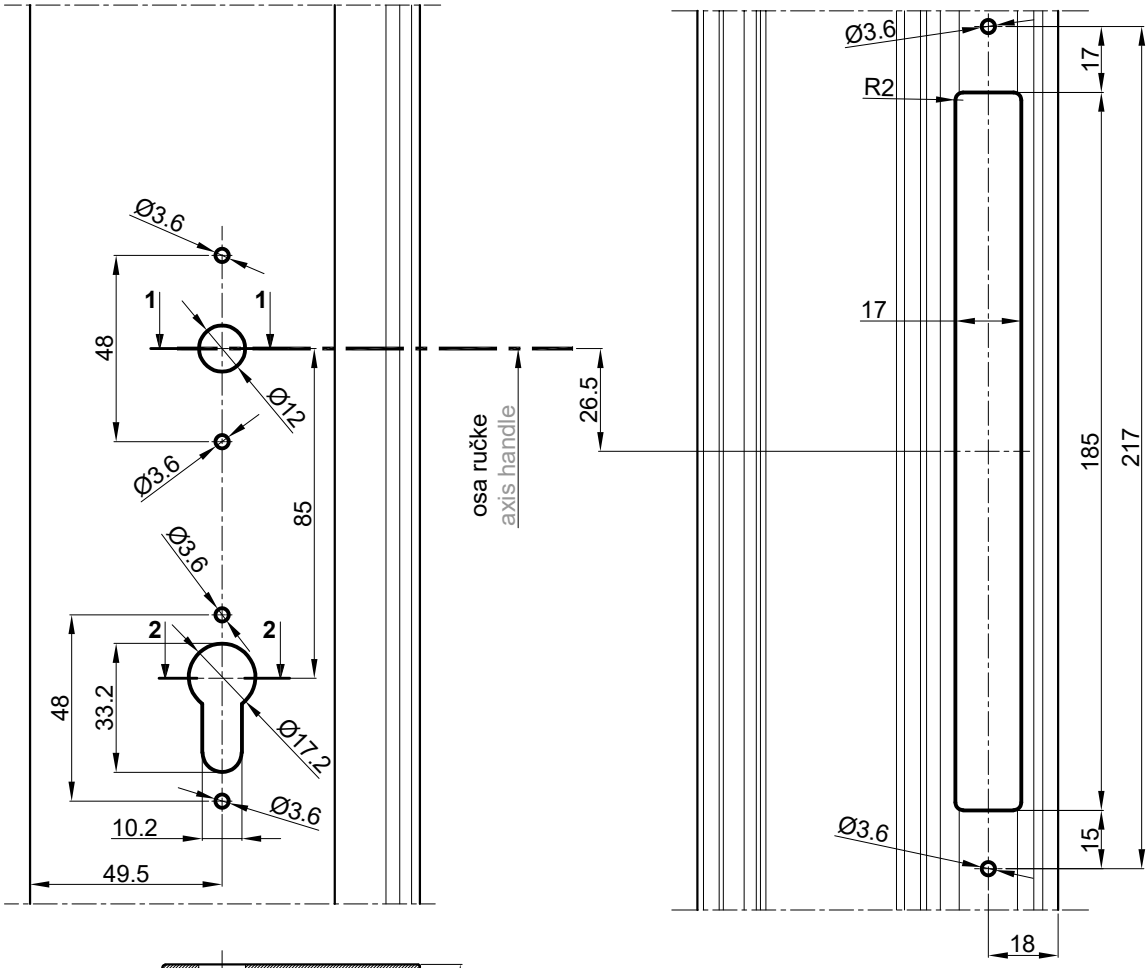
- Obrada na profilu okapnice F-1567
  Alat: Glodalo Ø5
- Processing on drip cap profile F-1567
  Tool: Milling cutter tool Ø5



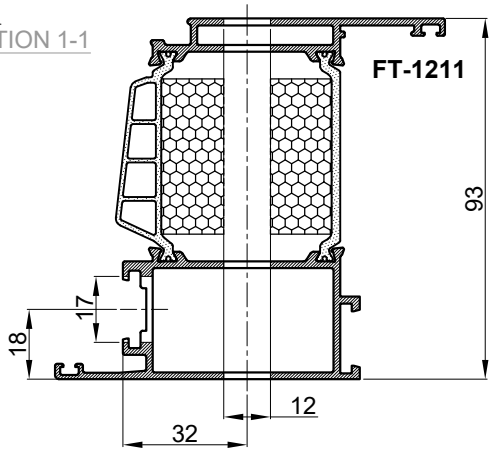


433.019
(vijak 3.9x22 DIN 7981
svaki cca 250mm)
(screw 3.9x22 DIN 7981
each approx. 250mm)

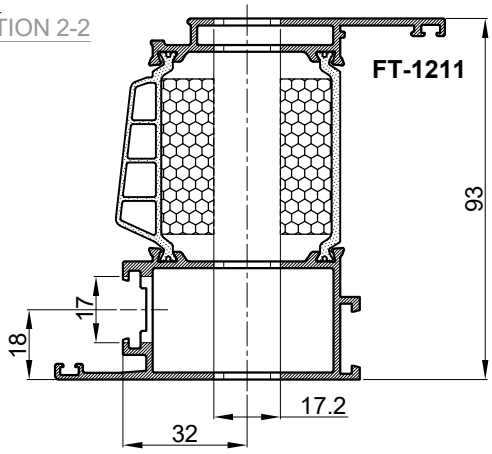
OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA BRAVU 124.001 I RUČKU 104.009 (Stublina)
PROCESSING OF DOOR LEAF PROFILE (inwards opening) FOR LOCK 124.001 AND HANDLE 104.009 (Stublina)

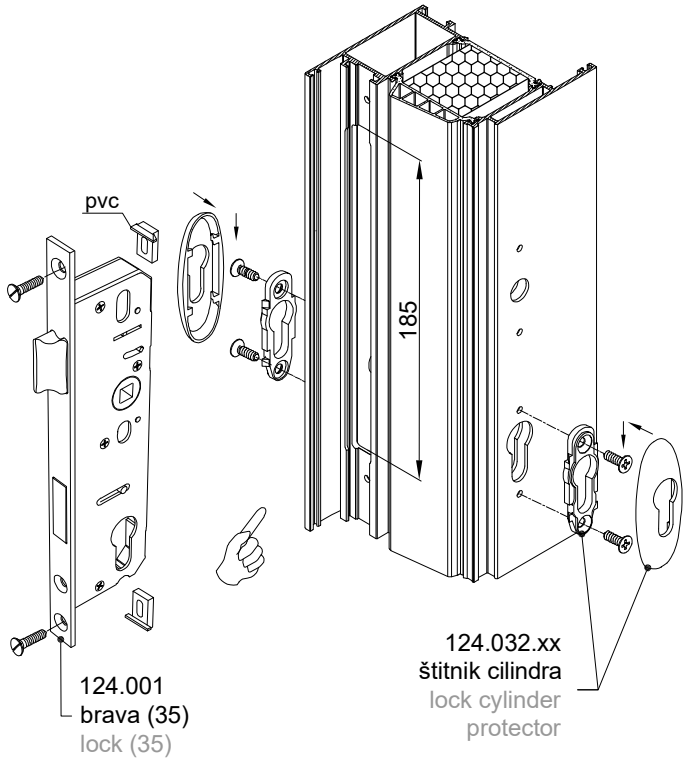


PRESJEK 1-1
CROSS SECTION 1-1

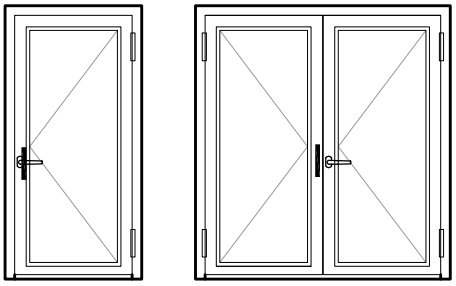


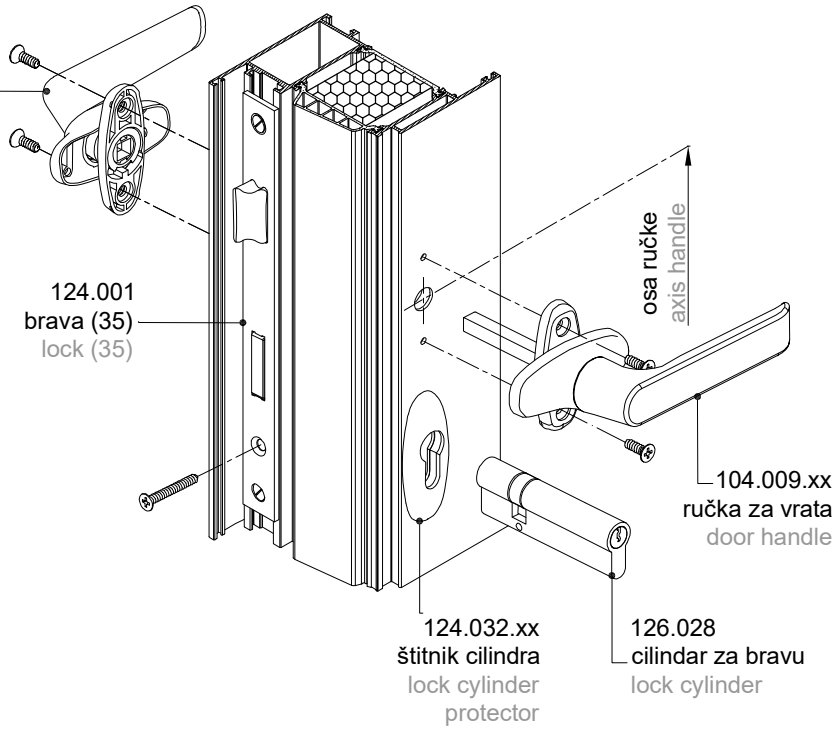
PRESJEK 2-2
CROSS SECTION 2-2

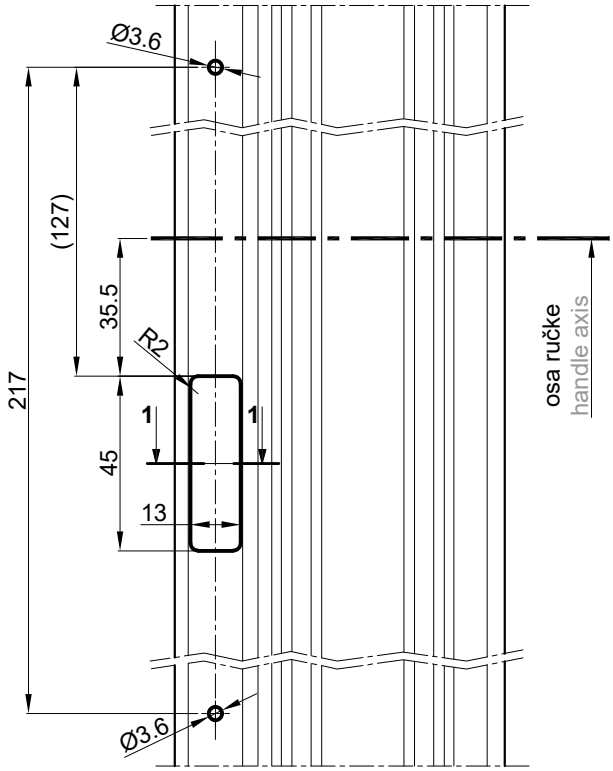


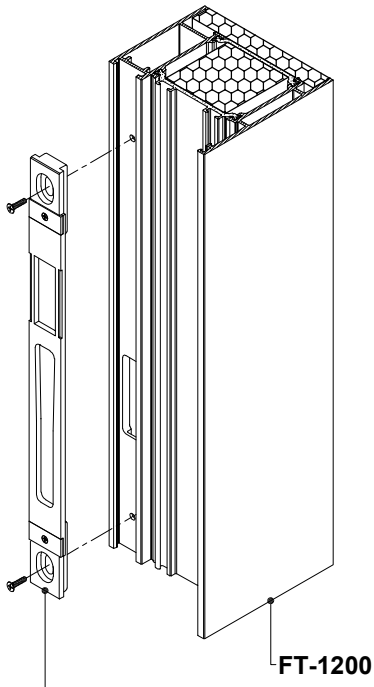


OBRADA PROFILA RAMA VRATA (otvaranje unutra) ZA PRIHVATNIK JEZIČKA BRAVE 124.003 (Stublina)
PROCESSING OF DOOR FRAME PROFILE (inwards opening) FOR LOCK LATCHBOLT ACCEPTOR 124.003 (Stublina)

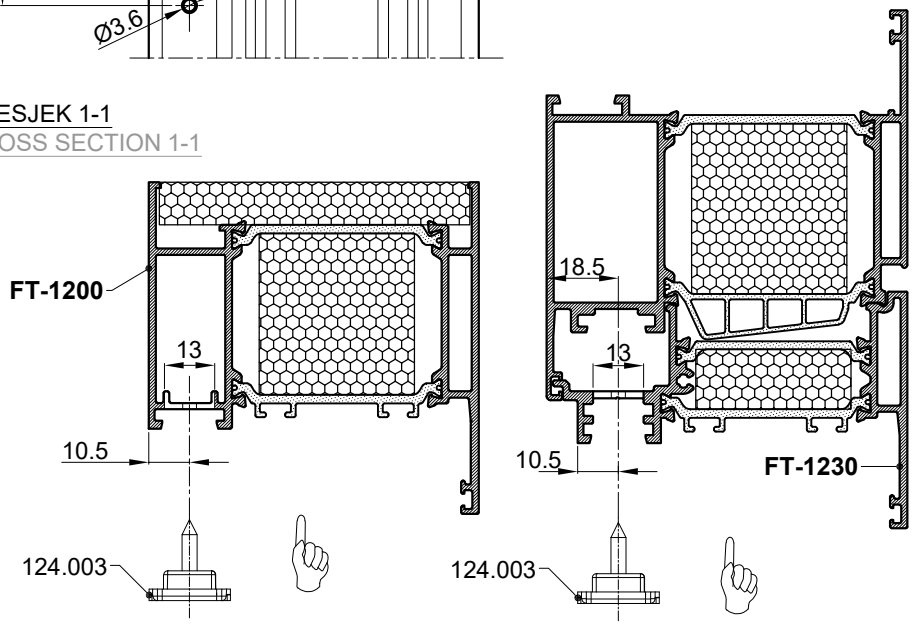




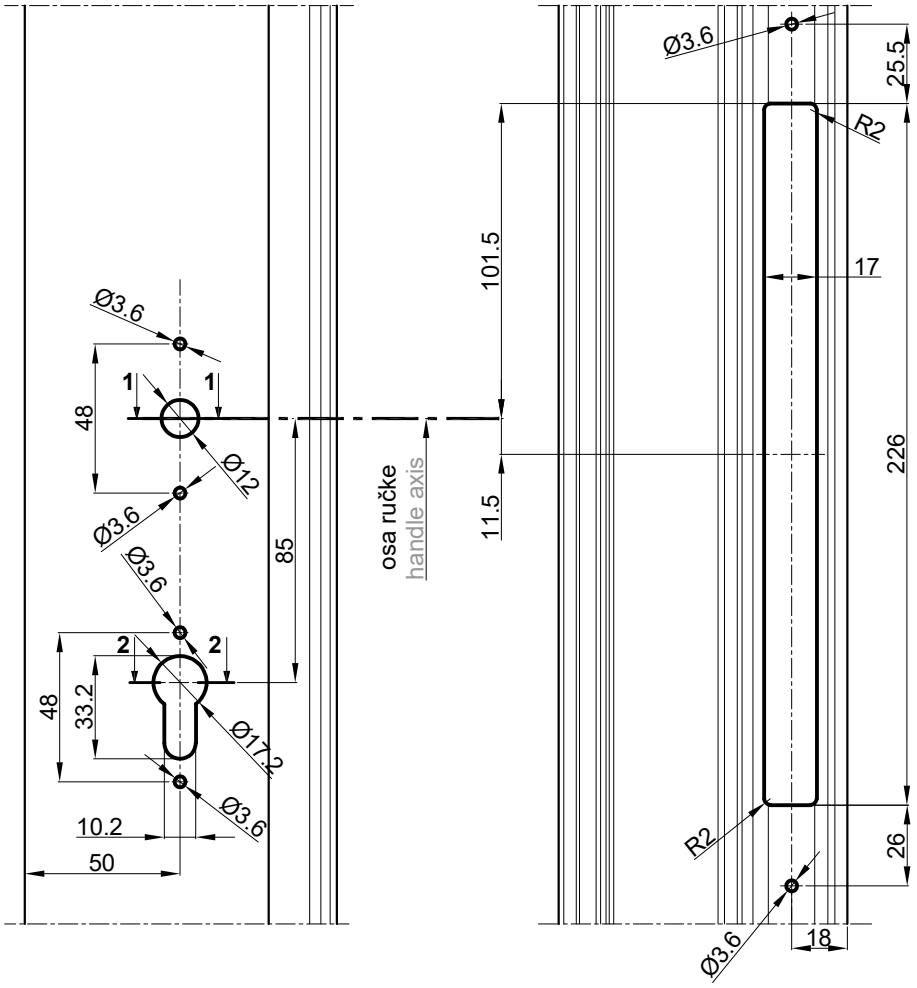




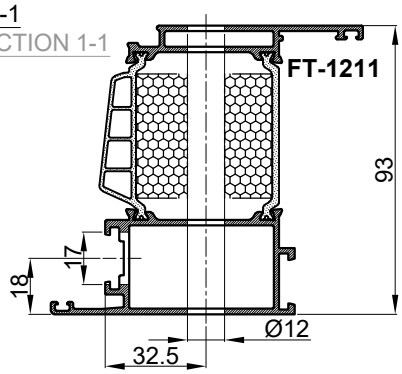
PRESJEK 1-1
CROSS SECTION 1-1



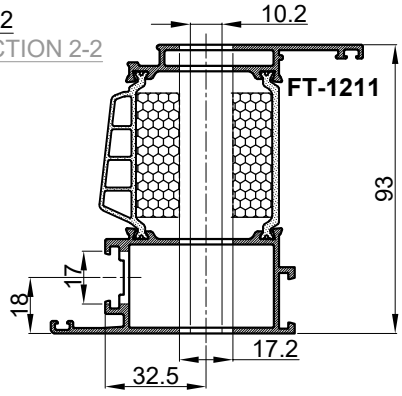
OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA BRAVU 124.042 I RUČKU 104.015 (Stublina)
PROCESSING OF DOOR LEAF PROFILE (inward opening) FOR LOCK 124.042 AND HANDLE 104.015 (Stublina)

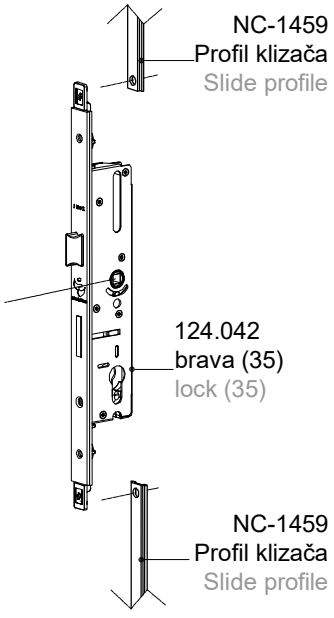


PRESJEK 1-1
CROSS SECTION 1-1

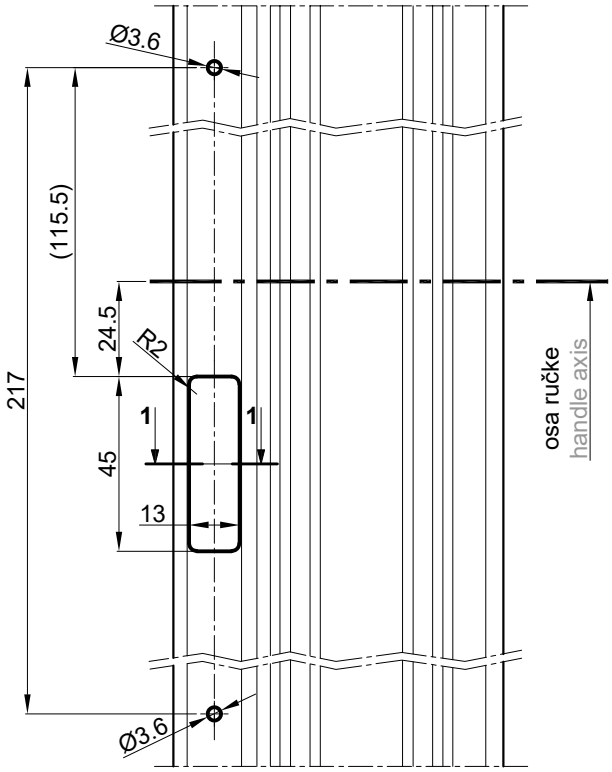


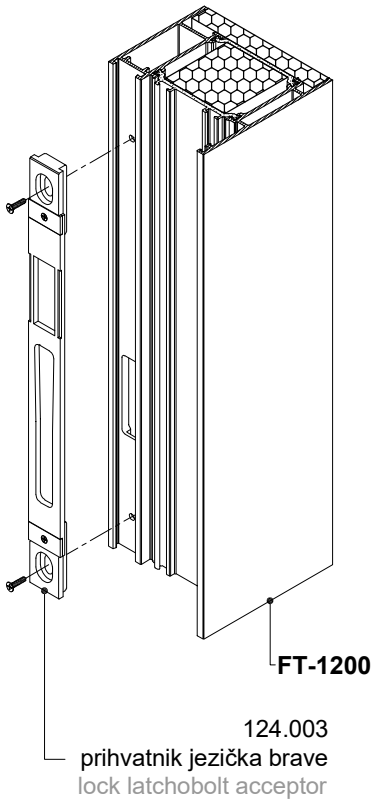
PRESJEK 2-2
CROSS SECTION 2-2



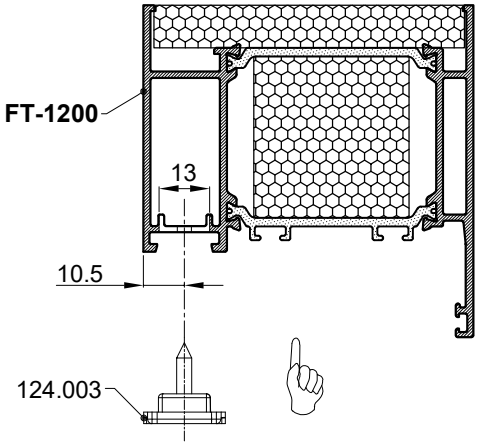


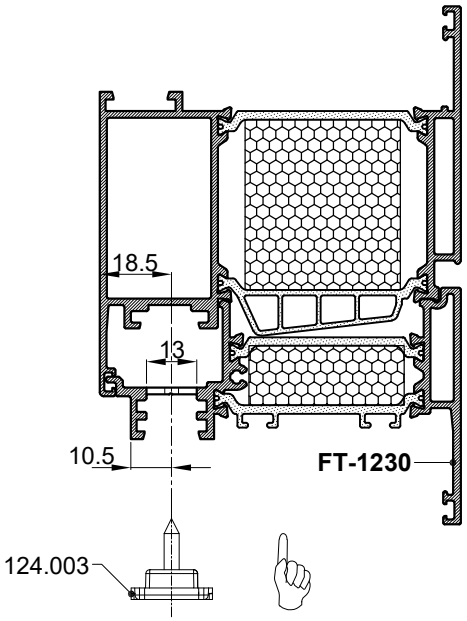
OBRADA PROFILA RAMA VRATA I PROFILA KOMBATUTE (otvaranje unutra) ZA PRIHVATNIK JEZIČKA BRAVE 124.003 (Stublina) - ZA BRAVU 124.042
PROCESSING OF DOOR FRAME AND FLYING MULLION PROFILE (inward opening) FOR LOCK LATCHBOLT ACCEPTOR 124.003 (Stublina) - FOR LOCK 124.042



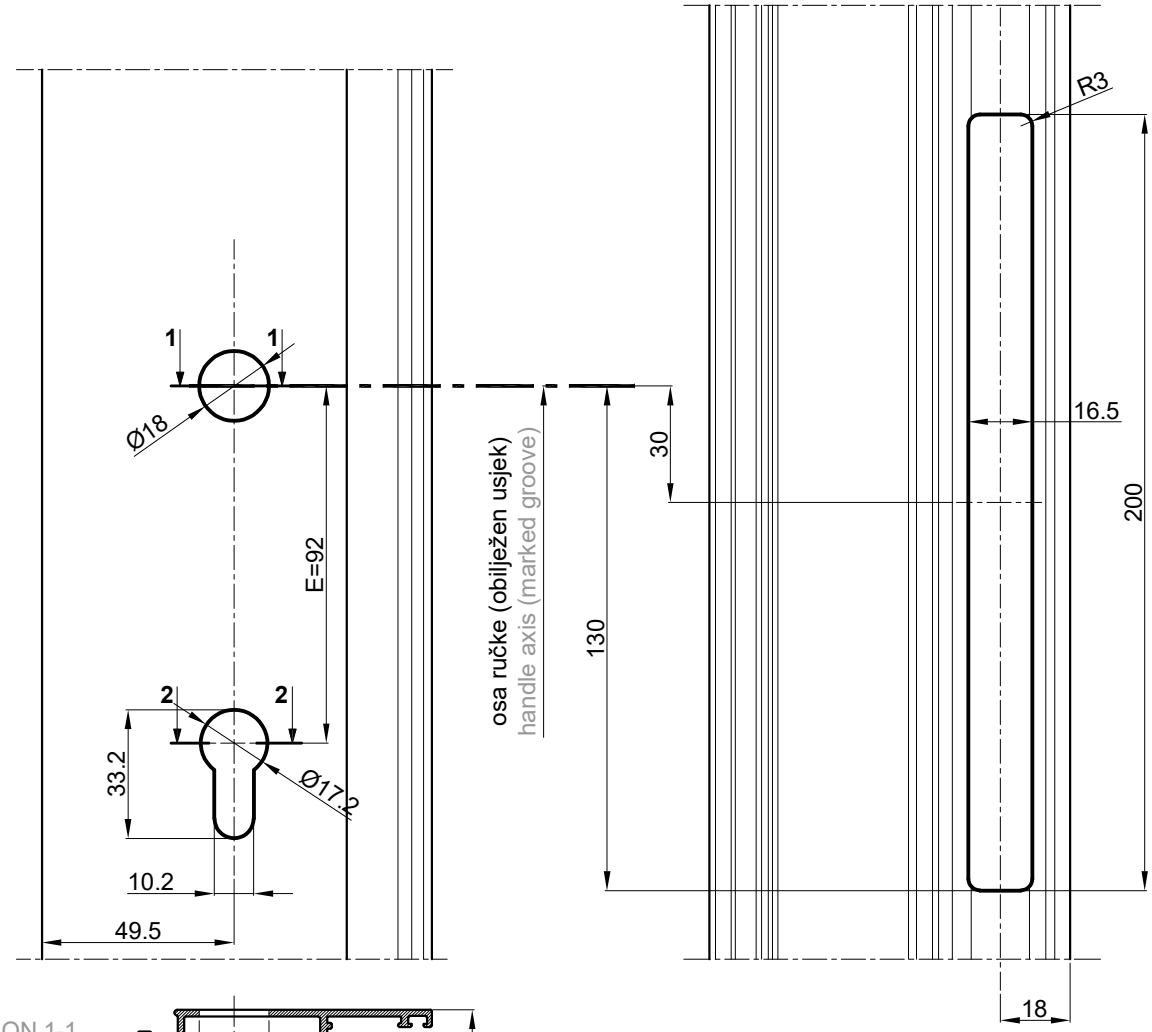


PRESJEK 1-1
CROSS SECTION 1-1

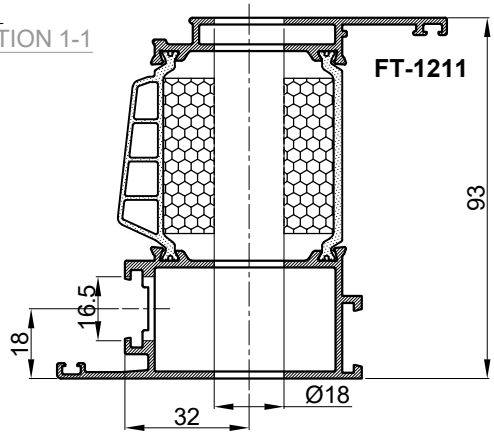




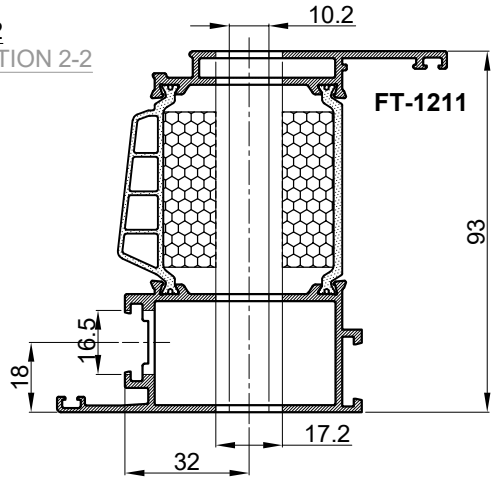
OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA KUTIJU BRAVE - 122.073 (GU-BKS)
PROCESSING OF DOOR LEAF PROFILE (inward opening) FOR LOCK CASE - 122.073 (GU-BKS)

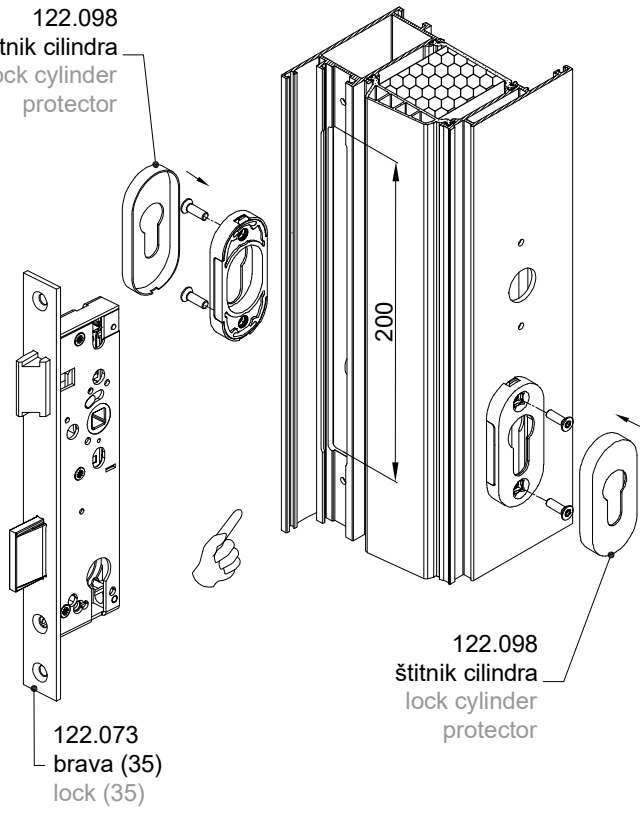


PRESJEK 1-1
CROSS SECTION 1-1

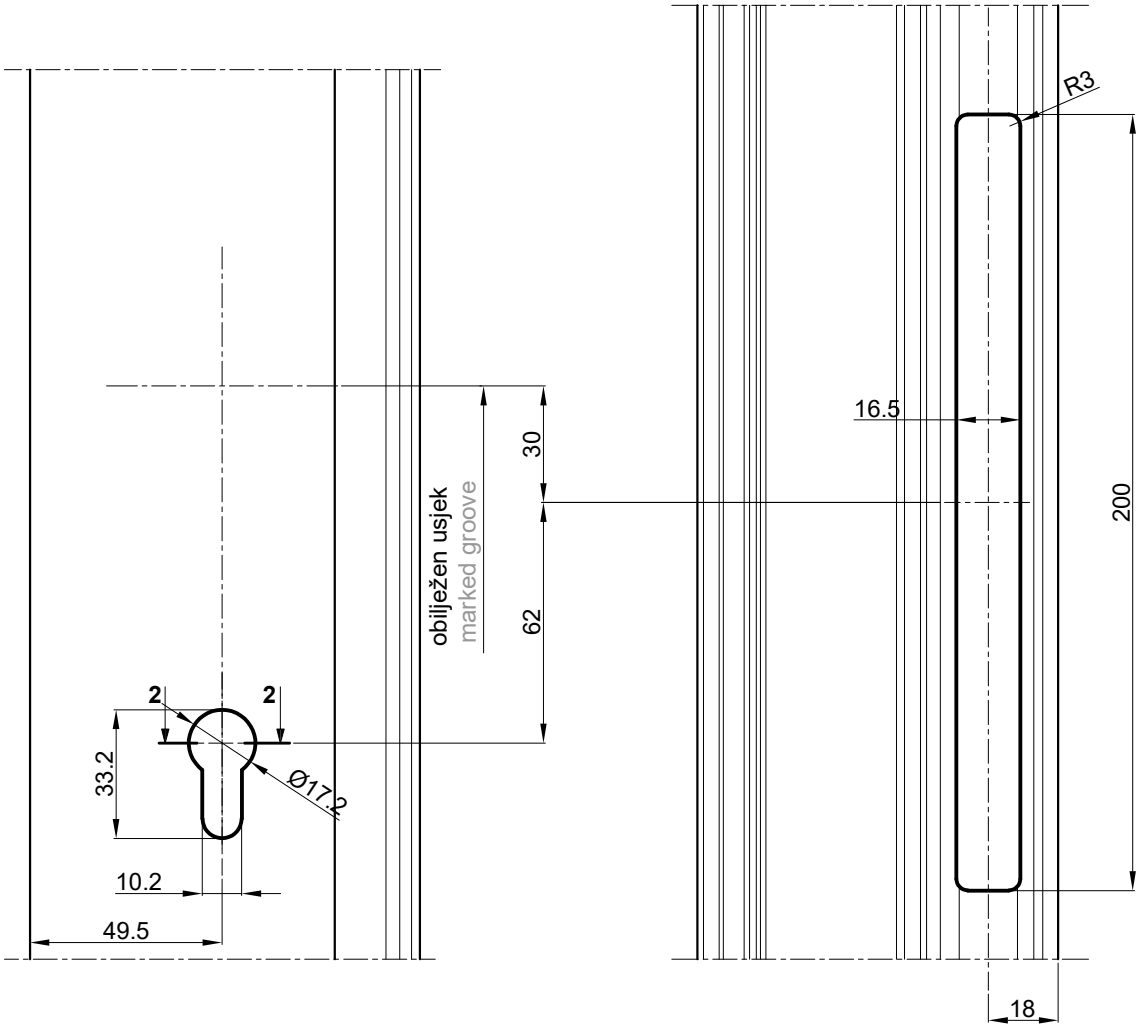


PRESJEK 2-2
CROSS SECTION 2-2

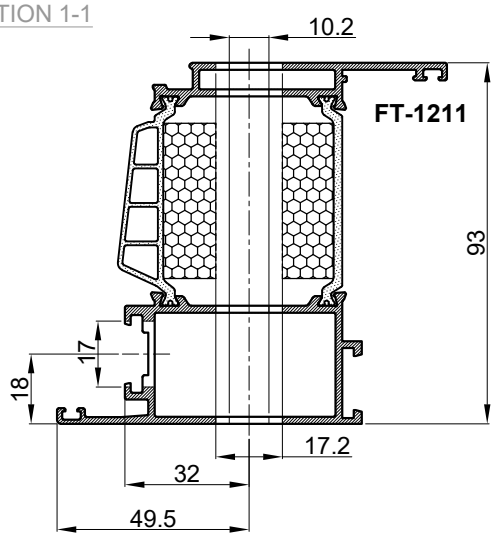


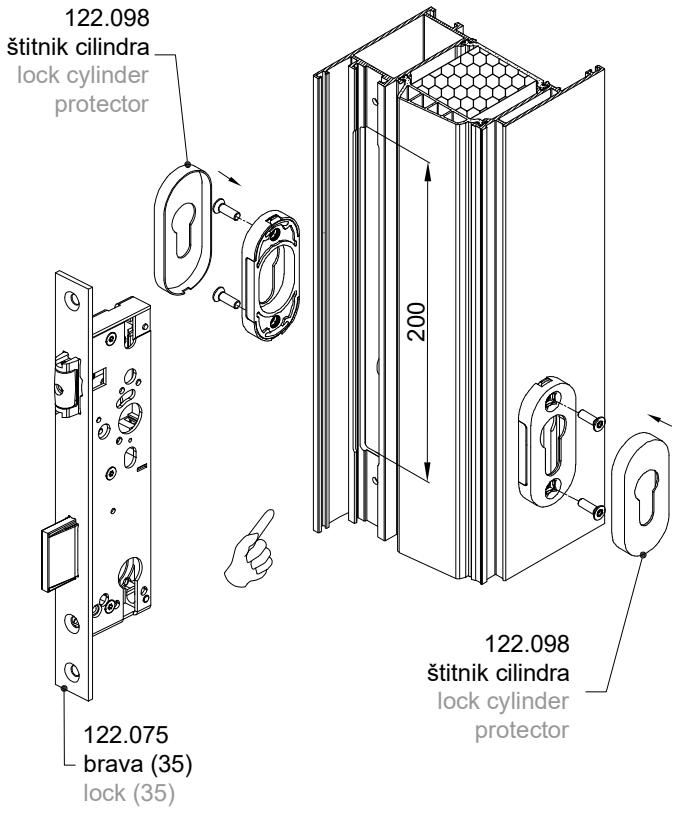


OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA KUTIJU BRAVE - 122.075 (GU-BKS)
PROCESSING OF DOOR LEAF PROFILE (inward opening) FOR ROLLER LATCH LOCK - 122.075 (GU-BKS)

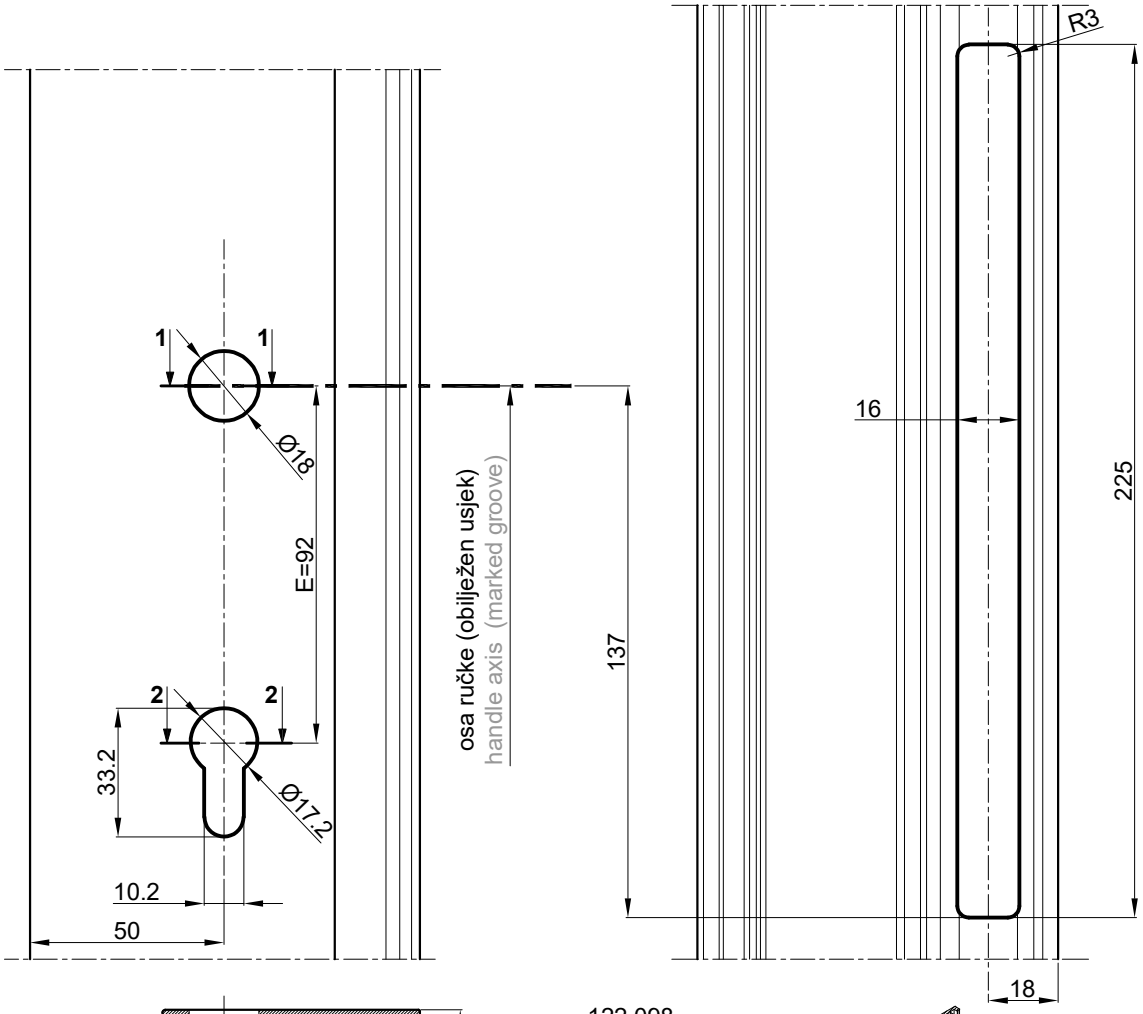


PRESJEK 1-1
CROSS SECTION 1-1

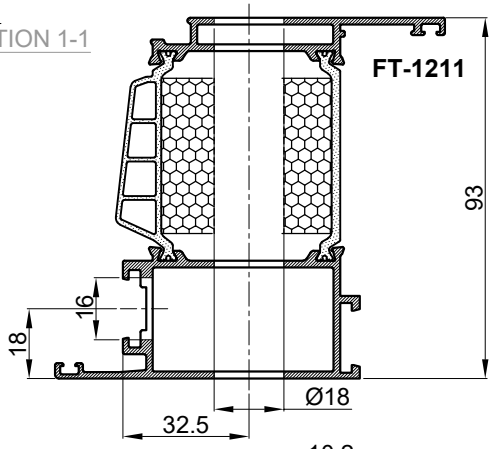




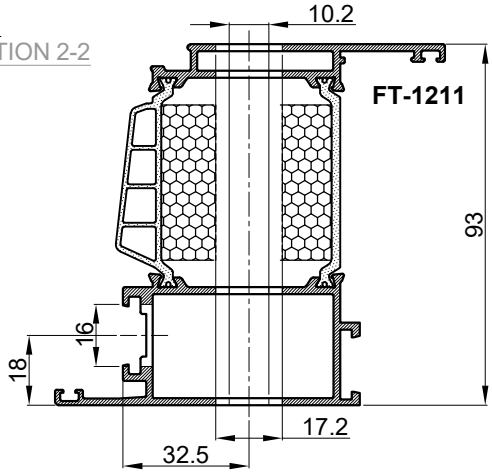
OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA KUTIJU BRAVE - 122.052 (GU Secury MR2)
PROCESSING OF DOOR LEAF PROFILE (inward opening) FOR LOCK CASE - 122.052 (GU Secury MR2)

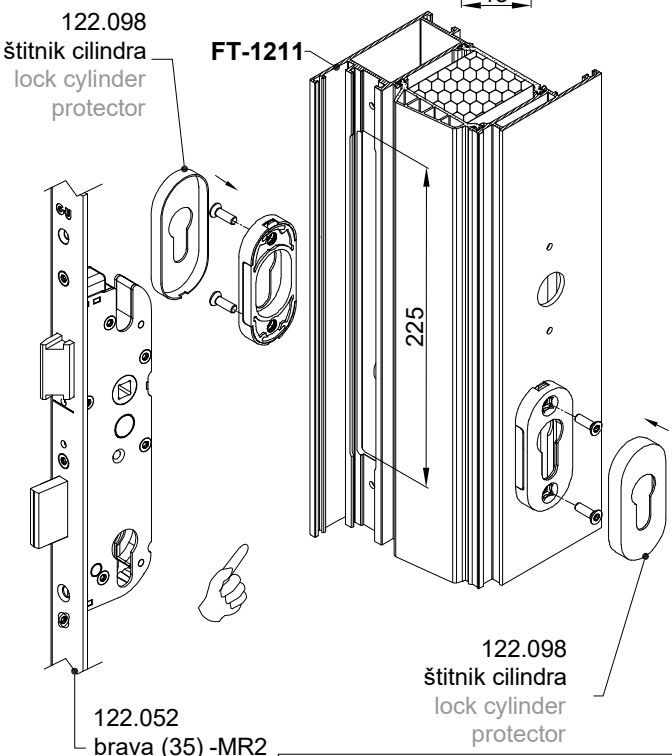


PRESJEK 1-1
CROSS SECTION 1-1



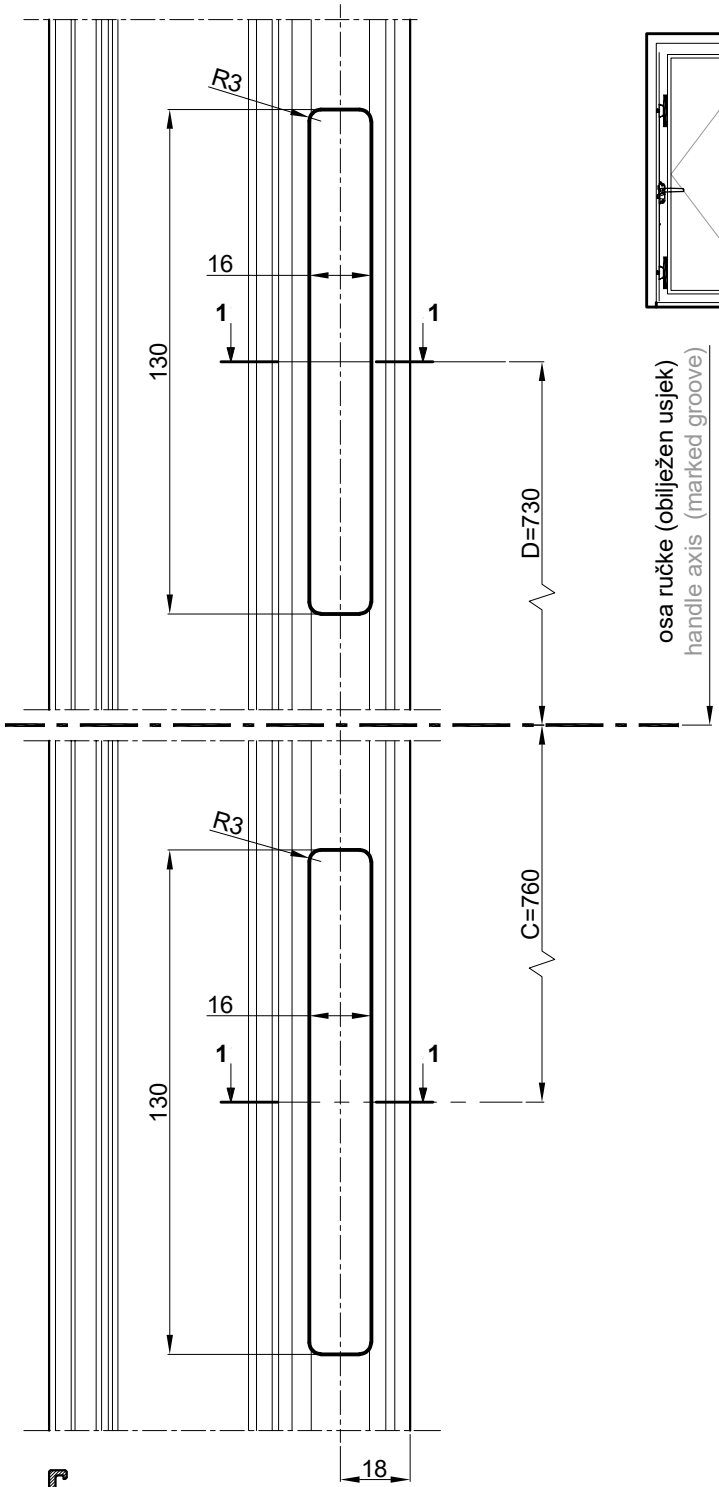
PRESJEK 2-2
CROSS SECTION 2-2

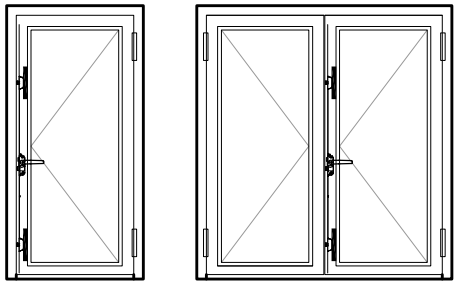


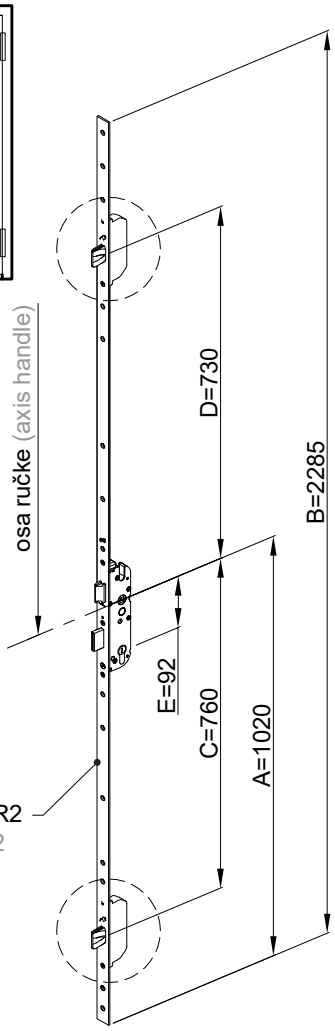


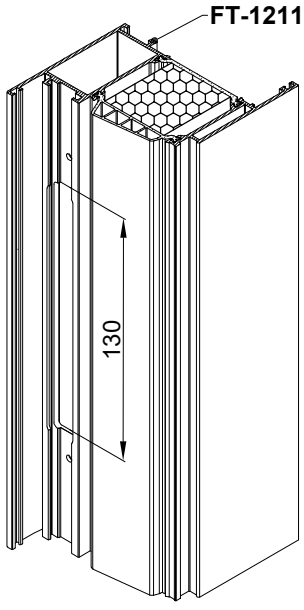
Napomena: Obrada profila je ista i za bravu 122.071 - GU Secury (SECA).
Remark: Profile processing is the same for the lock 122.071 -GU Secury (SECA).

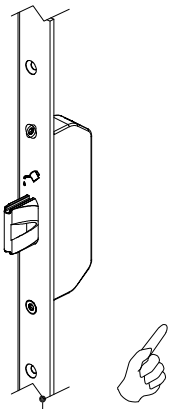
OBRADA PROFILA KRILA VRATA (otvaranje unutra) ZA KUTIJU MASIVNOG ZASUNA - 122.052 (GU Secury MR2)
PROCESSING OF DOOR LEAF PROFILE (inward opening) FOR MASSIVE BOLT CASE - 122.052 (GU Secury MR2)

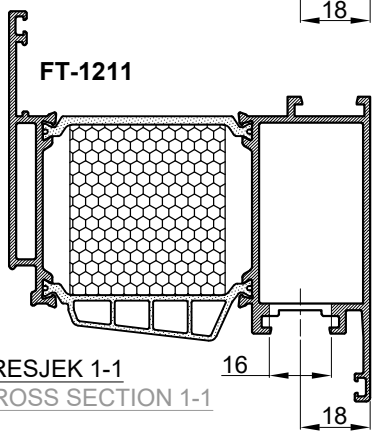










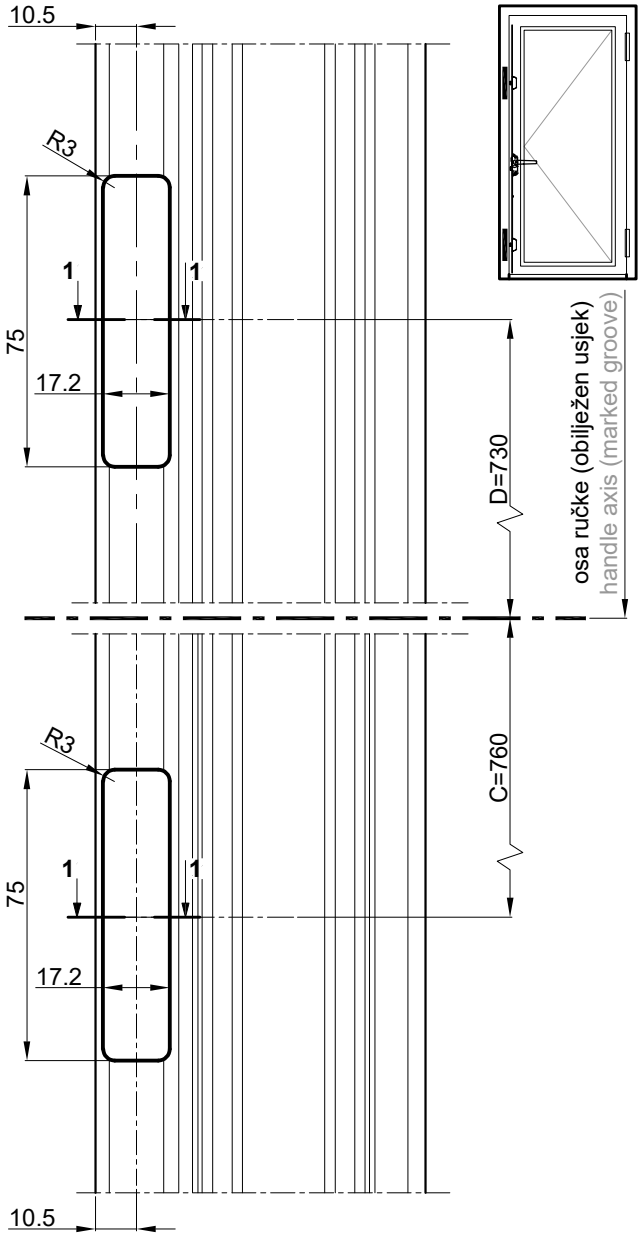


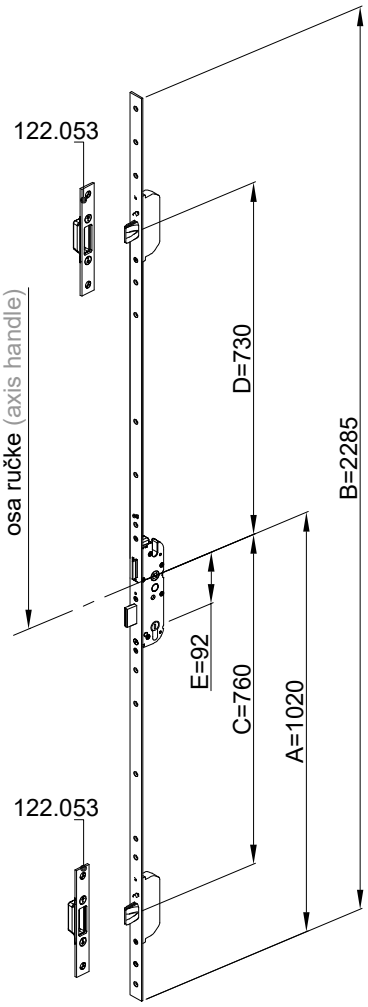
PRESJEK 1-1
CROSS SECTION 1-1

122.052
brava (35) -MR2
lock (35) -MR2

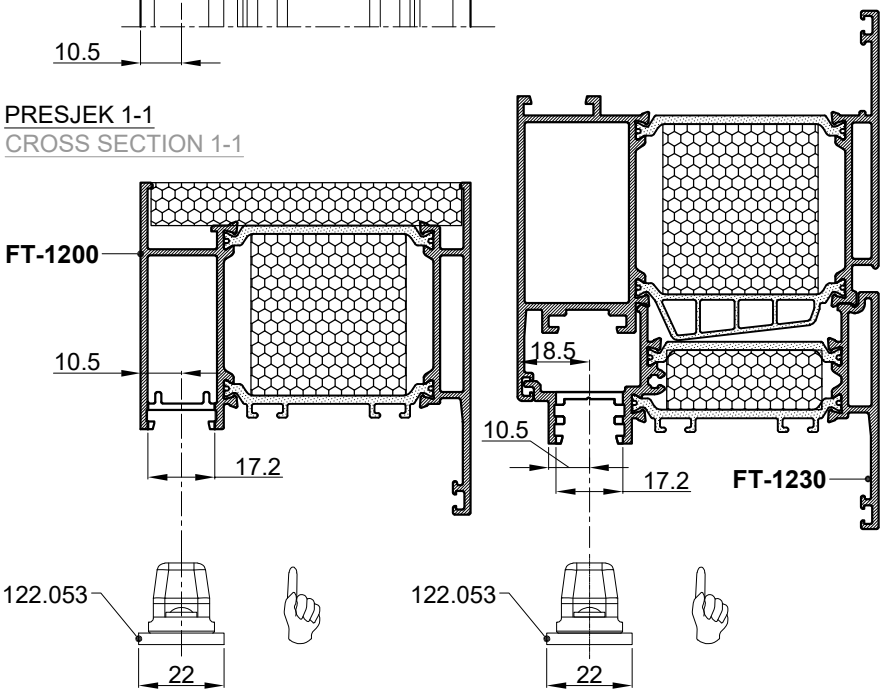
Napomena: Obrada profila je ista i za kutiju automatskog zasuna na bravi 122.071 - GU Secury (SECA).
Remark: Profile processing is the same for the lock 122.071 - GU Secury (SECA)

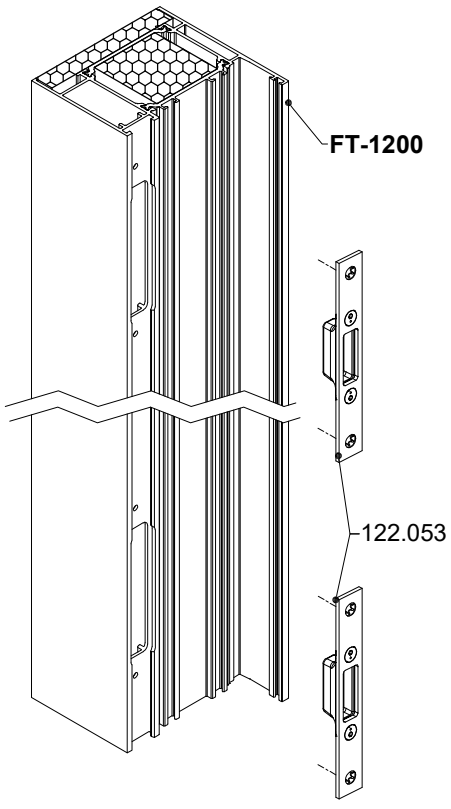
OBRADA PROFILA RAMA VRATA I PROFILA KOMBATUTE (otvaranje unutra) ZA PRIHVATNU PLOČICU 122.053 (GU)
PROCESSING OF DOOR FRAME PROFILE AND FLYING MULLION PROFILE (inward opening) FOR STRIKING PLATE 122.053 (GU)



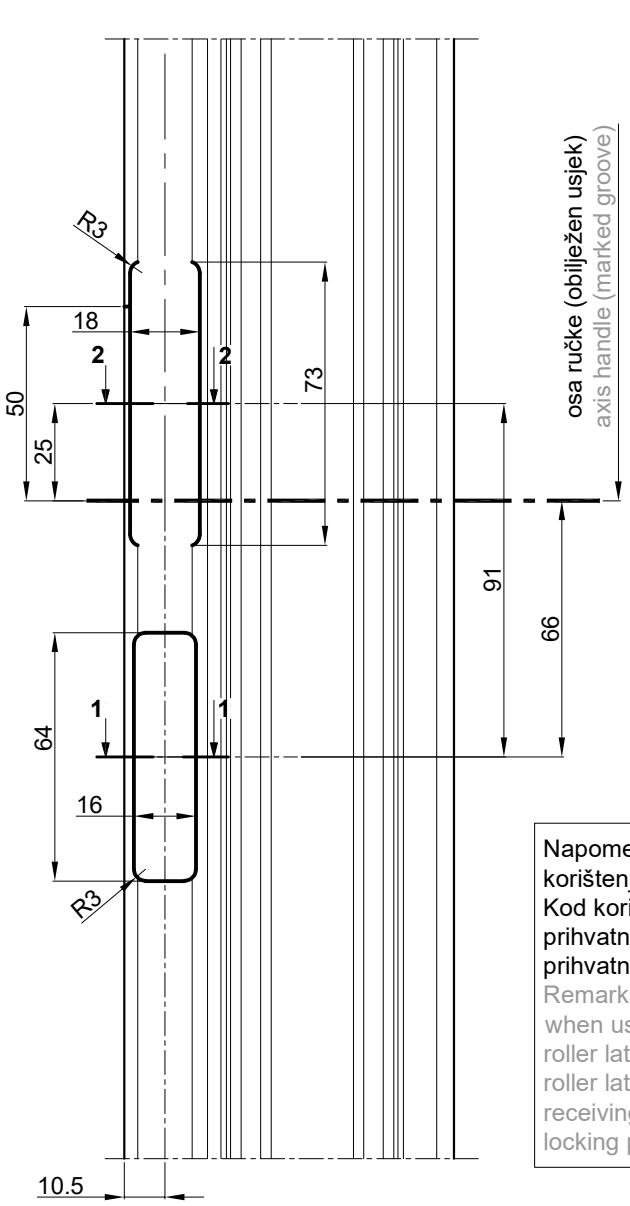


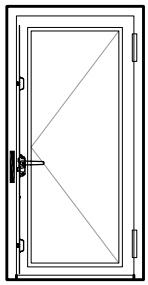
PRESJEK 1-1
CROSS SECTION 1-1

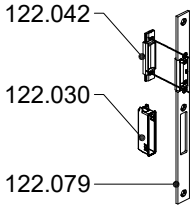


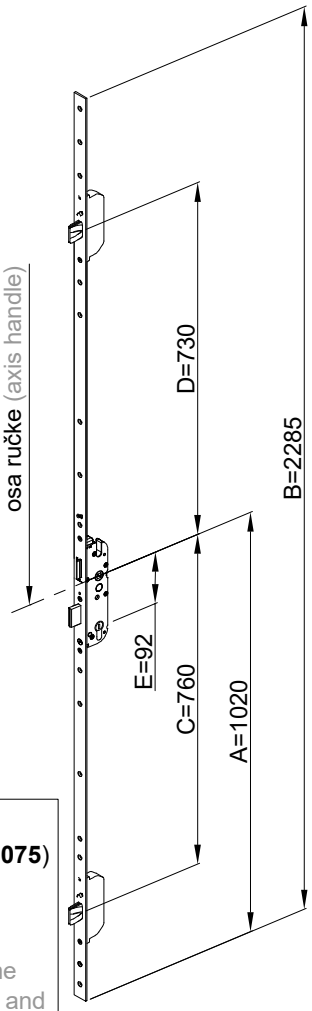


OBRADA PROFILA RAMA VRATA (otvaranje unutra) ZA PRIHVATNI LIM 122.079 (GU)
PROCESSING OF DOOR FRAME PROFILE (inward opening) FOR STRIKING PLATE 122.079 (GU)



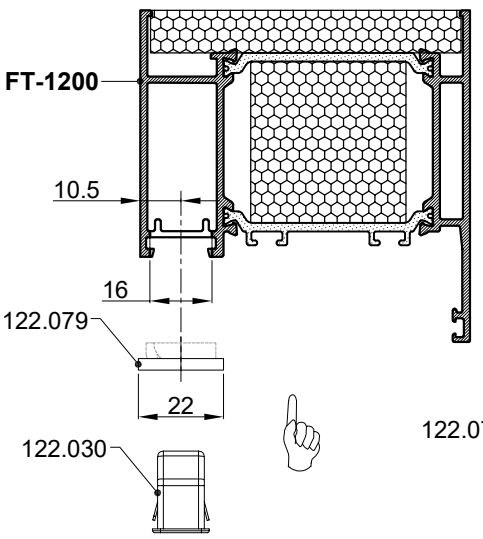




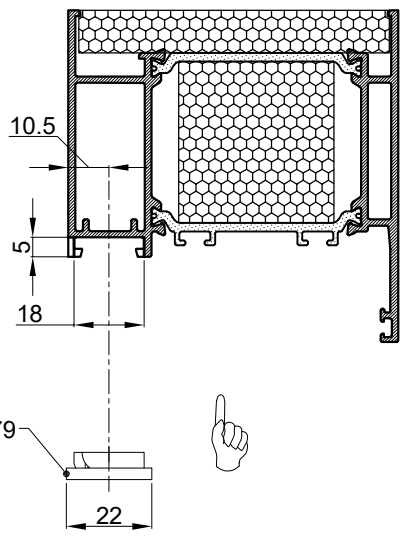


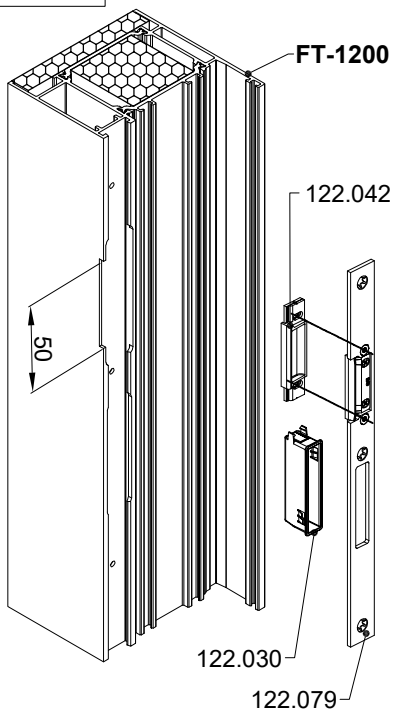
Napomene: Obrada profila je ista i kod korištenja kratkih brava (**122.073** i **122.075**) Kod korištenja brave s valjkom na prihvatnik 122.079 je potrebno ugraditi prihvatni dio za valjak 122.042.
Remarks: Profile processing is the same when using narrow stile lock (**122.073**) and roller latch lock (**122.075**). When using the roller latch lock, it is necessary to install the receiving part 122.042 for the roller on the locking plate 122.079.

PRESJEK 1-1
CROSS SECTION 1-1

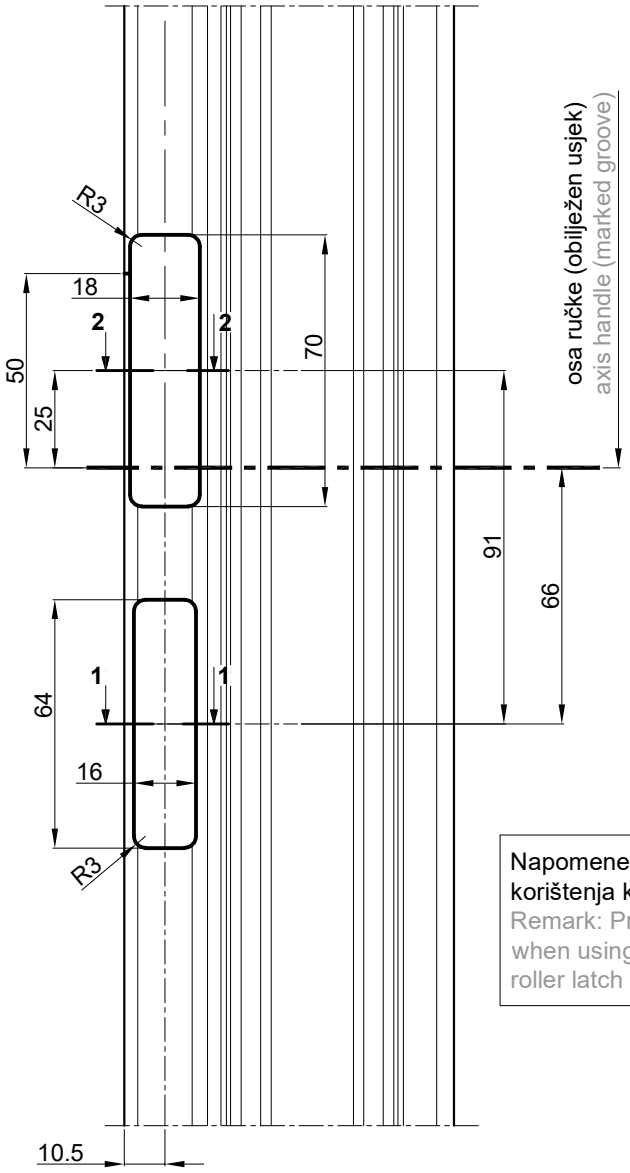


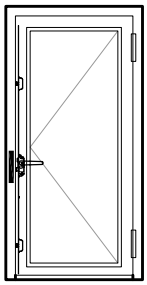
PRESJEK 2-2
CROSS SECTION 2-2





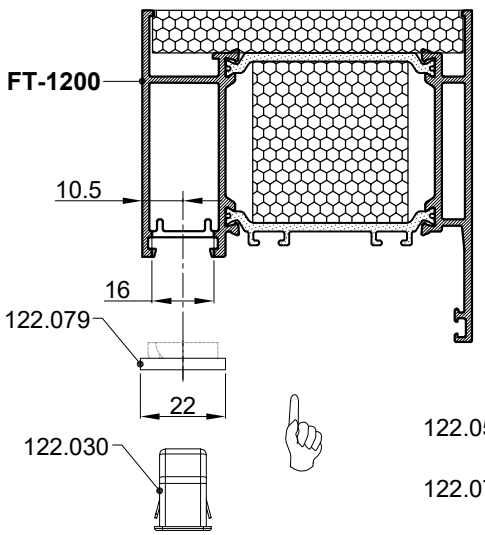
OBRADA PROFILA RAMA VRATA (otvaranje unutra) ZA PRIHVATNI LIM 122.079 I ELEKTRO OTVARAČ 122.055 (GU)
PROCESSING OF DOOR FRAME PROFILE (inward opening) FOR STRIKING PLATE 122.079 (GU) AND ELECTRIC DOOR OPENER 122.055 (GU)



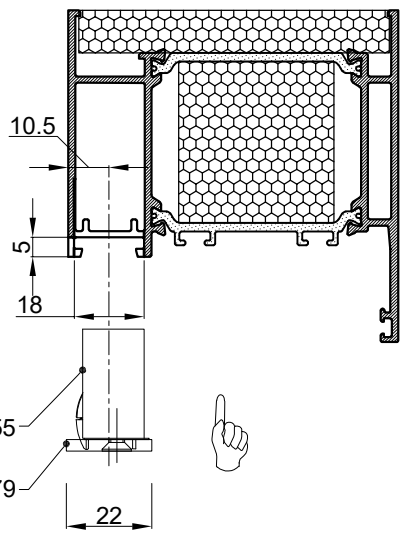


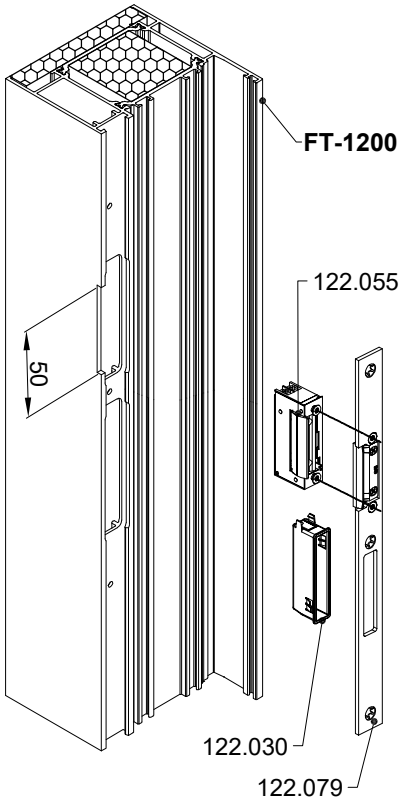
Napomene: Obrada profila je ista i kod korištenja kratkih brava (**122.073** i **122.075**).
Remark: Profile processing is the same when using narrow stile lock (**122.073**) and roller latch lock (**122.075**).

PRESJEK 1-1
CROSS SECTION 1-1

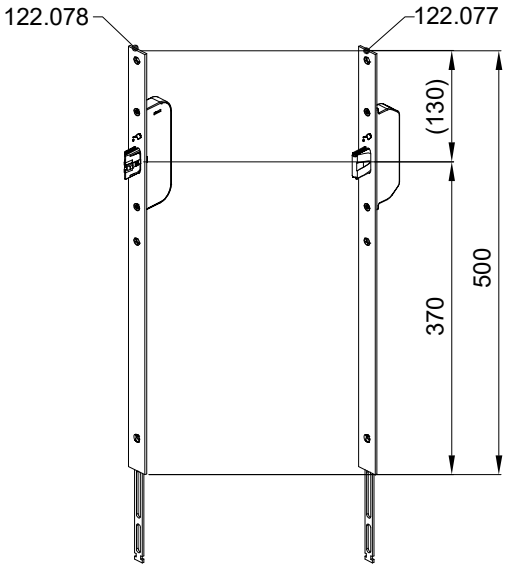


PRESJEK 2-2
CROSS SECTION 2-2





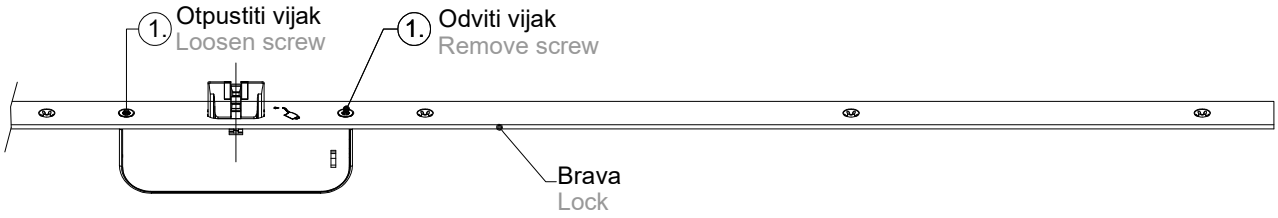
POSTUPAK UGRADNJE PRODUŽETKA NA BRAVE 122.052 (GU Secury -MR2) I 122.071 (GU Secury Automatic-SECA)
INSTALLATION PROCEDURE OF THE FACEPLATE EXTENSION WITH ADDITIONAL LOCK ON LOCKS 122.052 (GU Secury -MR2) AND 122.071 (Secury Automatic-SECA)

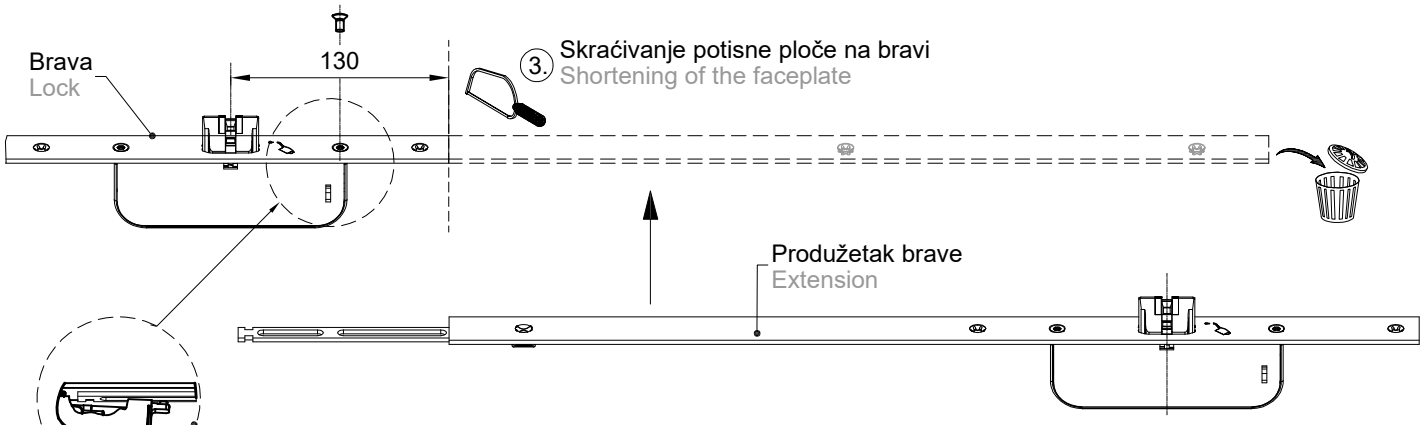


Produžetak brave
Secury Automatic-SECA
Extension for the Secury Automatic lock -SECA

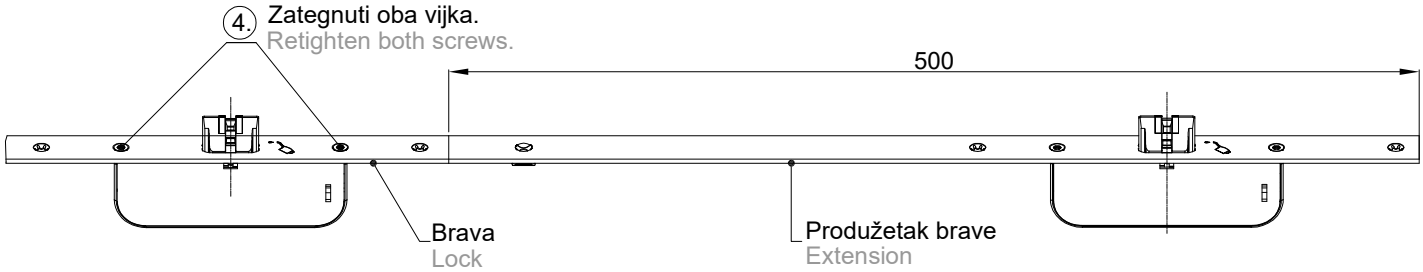
Produžetak brave
MR2
Extension for the MR2 lock

Postupak ugradnje je isti za oba produžetka.
The installation procedure is the same for both extensions.

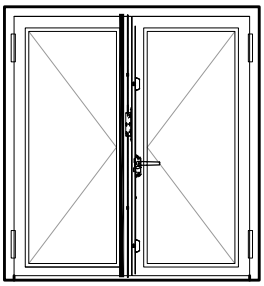




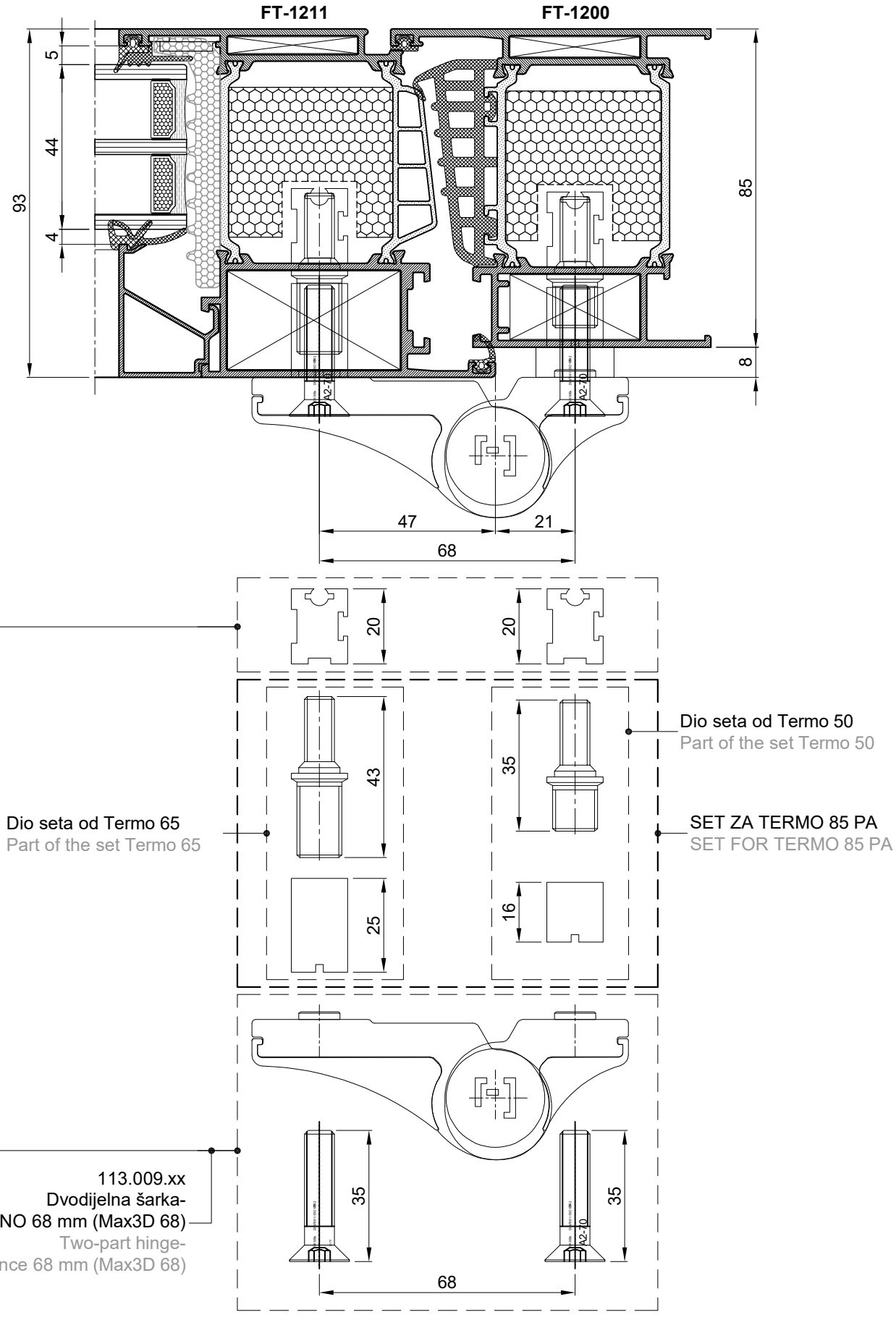
2. Zakačiti pogonsku šipku produžetka brave na predviđeno mjesto u kutiji zasuna brave i obilježiti mjesto skraćivanja potisne ploče na bravi (130 mm).
Hook the driving rod to the coupling plate and mark the shortening position of the faceplate (130 mm).



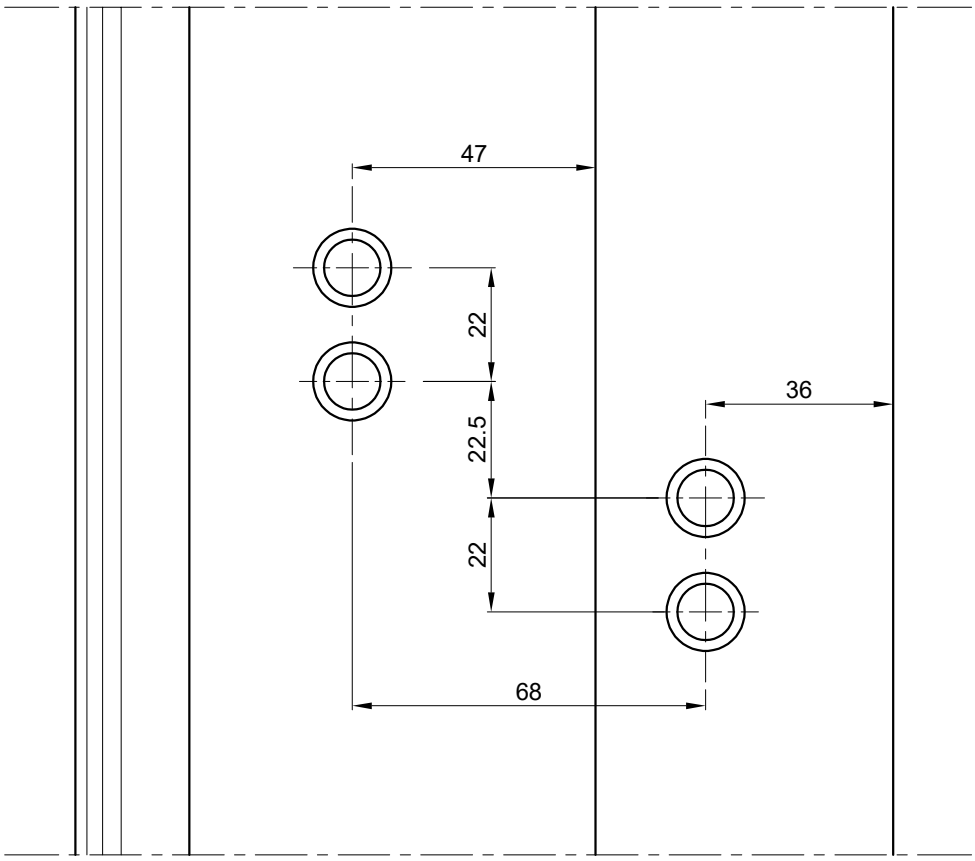
KLJUČANJE POMOĆNOG KRILA
LOCKING OF AUXILIARY LEAF

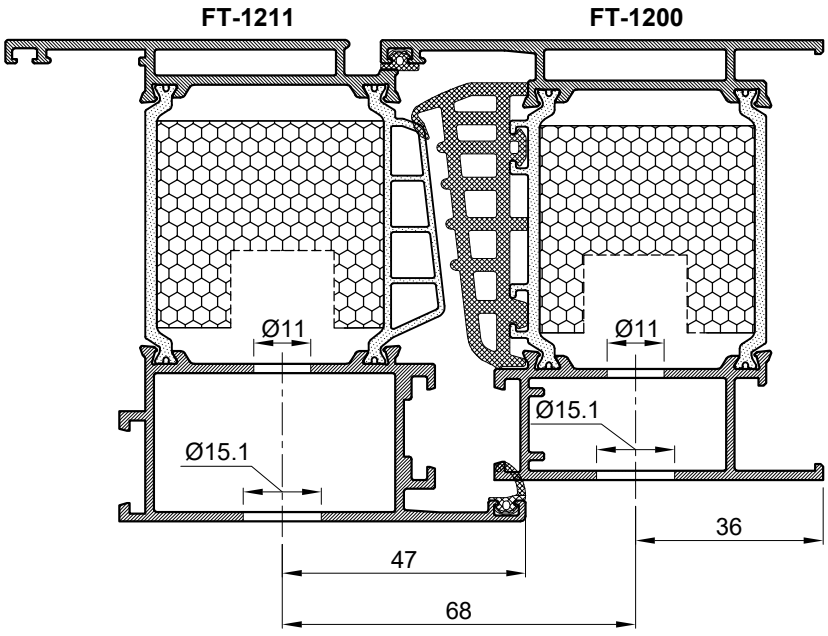


SET USADNIH BAGLAMA - OSNO 68 mm, OTVARANJE UNUTRA
SET OF SCREW-IN HINGES - AXIAL DISTANCE 68 mm, INWARD OPENING

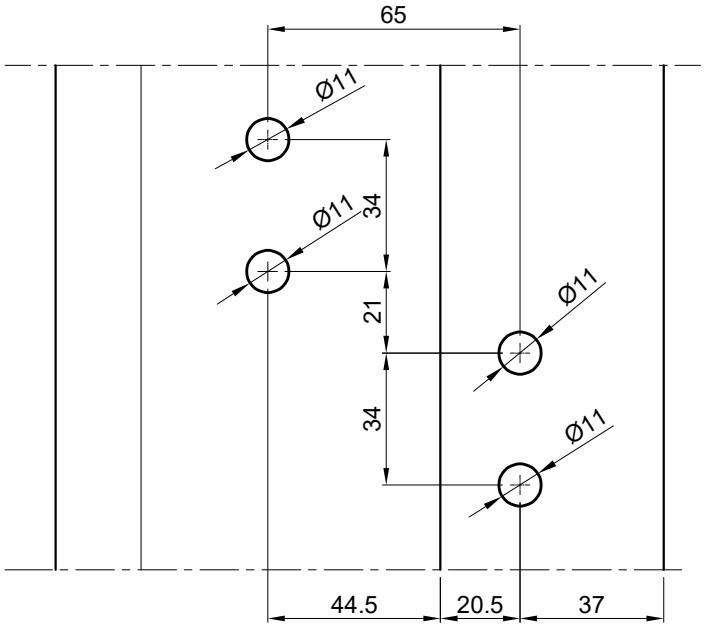


OBRADA ZA SET USADNIH BAGLAMA - OSNO 68 mm, OTVARANJE UNUTRA
PROCESSING OF SCREW-IN HINGES - AXIAL DISTANCE 68 mm, INWARD OPENING

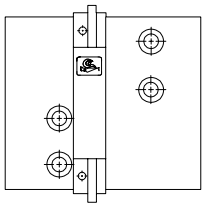




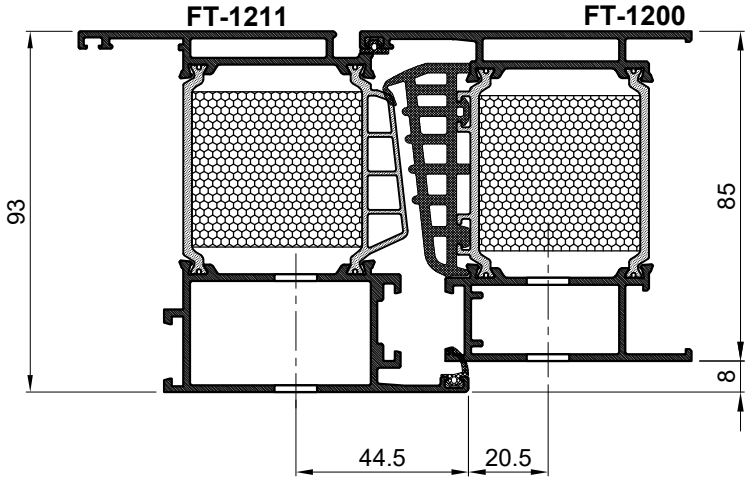
OBRADA ZA DVODIJELNU ŠARKU TÜRBAND 4 AT 112.021.xx
PROCESSING FOR TWO-PIECE HINGE TÜRBAND 4 AT 112.021.xx

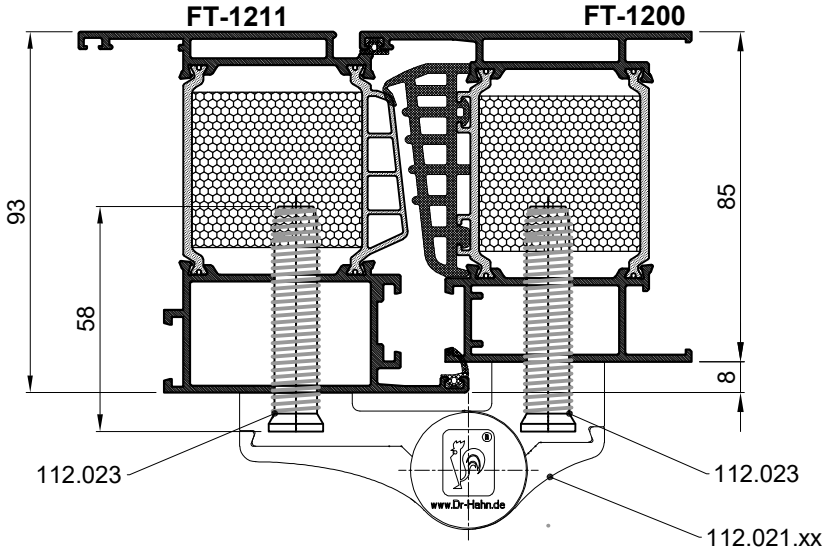


Napomena:
Obrada se vrši isključivo na obradnom centru ili pomoću namijenjenog šablona za obradu (112.022).
Remark:
Processing is carried out exclusively on the machining center or using the intended drilling jig for processing (112.022).



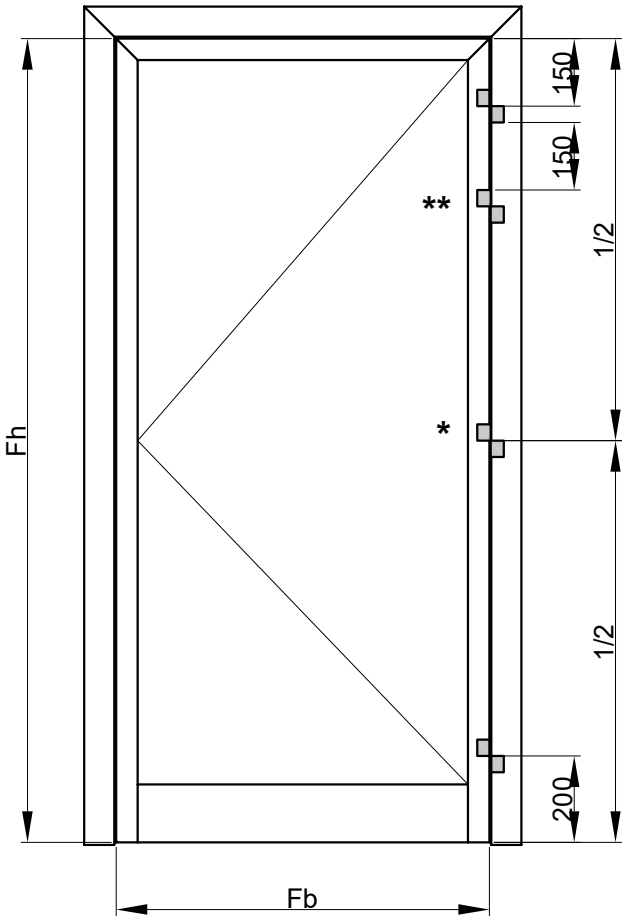
112.022





PREPORUKE ZA UGRADNJU DR. HAHN TÜRBAND 4 AT ŠARKI
RECOMMENDATIONS FOR MONTAGE OF THE DR. HAHN TÜRBAND 4 AT HINGES

Türband 4 AT dvodijelna šarka
Türband 4 AT two-piece hinge



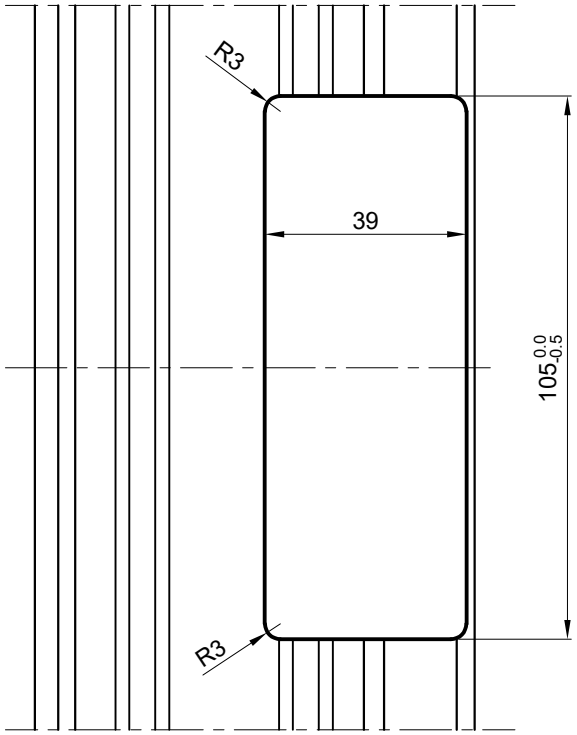
Napomena:
Ne podmazivati, čahure su napravljene od PVC-a koji ne zahtijeva održavanje!
Remark:
Bearing bushes made of maintenance-free PVC - do not lubricate!

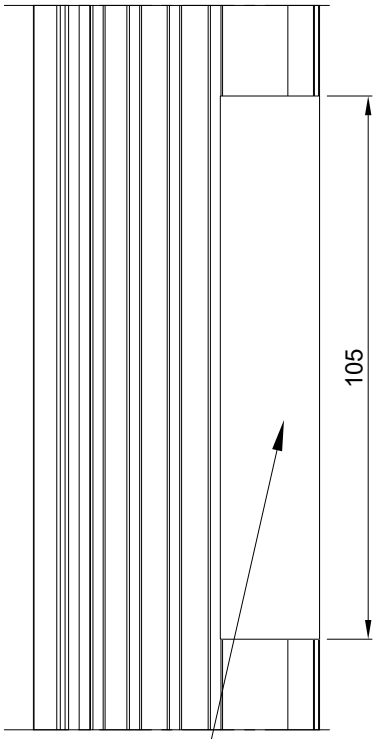
Fh = Visina krila
Leaf height

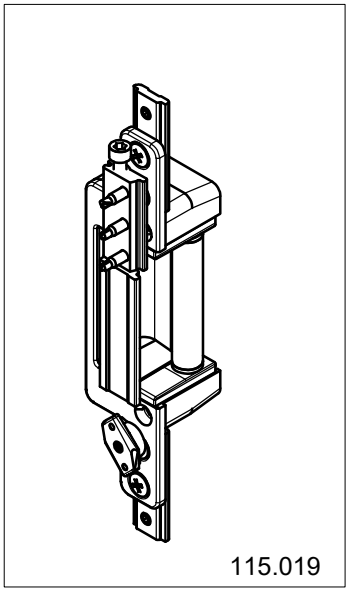
Fb = Širina krila
Leaf width

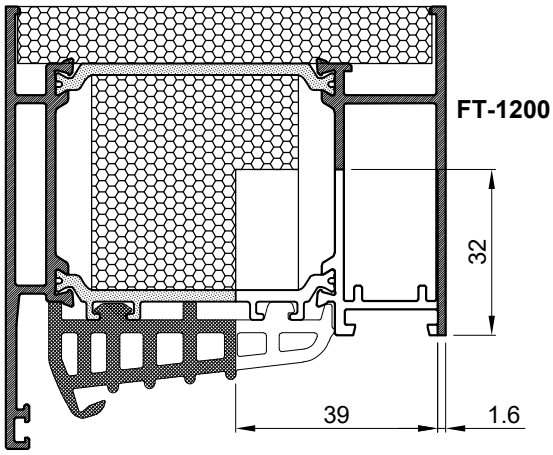
* Dodatna šarka za bolje brtvljenje preporučuje se za visine krila iznad 2200 mm.
** Na vratima s ugrađenim zatvaračem kao i na vratima za javnu upotrebu potrebno je koristiti najmanje tri šarke.
* Additional door hinge for better sealing pressure is recommended for leaf height over 2200 mm.
** Doors fitted with door closers as well as doors for public use should use at least three hinges.

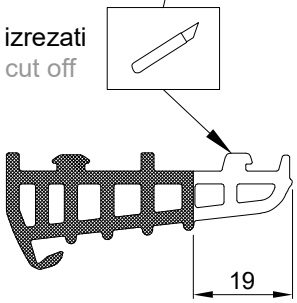
OBRADA PROFILA FT-1200 ZA SKRIVENU ŠARKU GIESSE 115.019
PROCESSING OF THE PROFILE FT-1200 FOR THE CONCEALED HINGE GIESSE 115.019







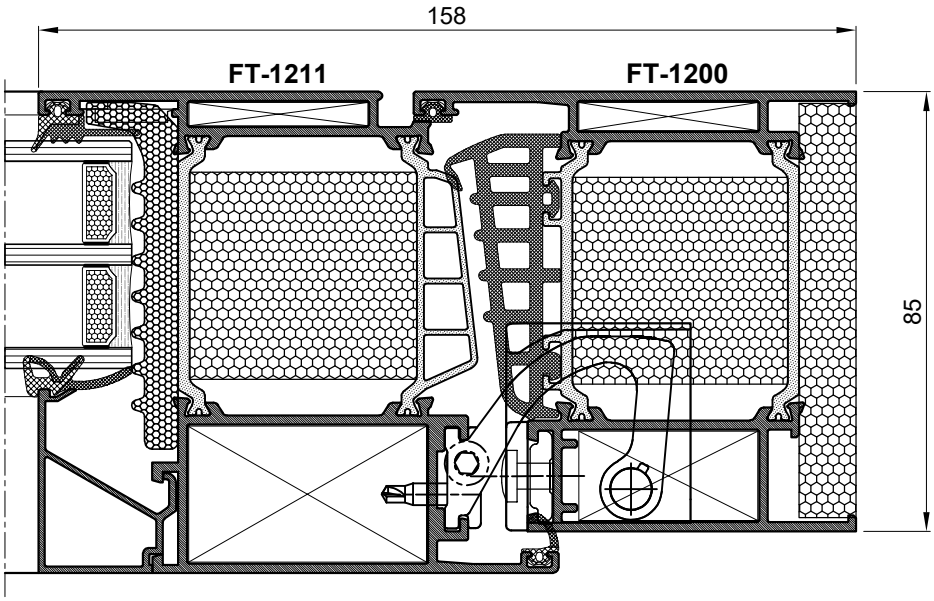




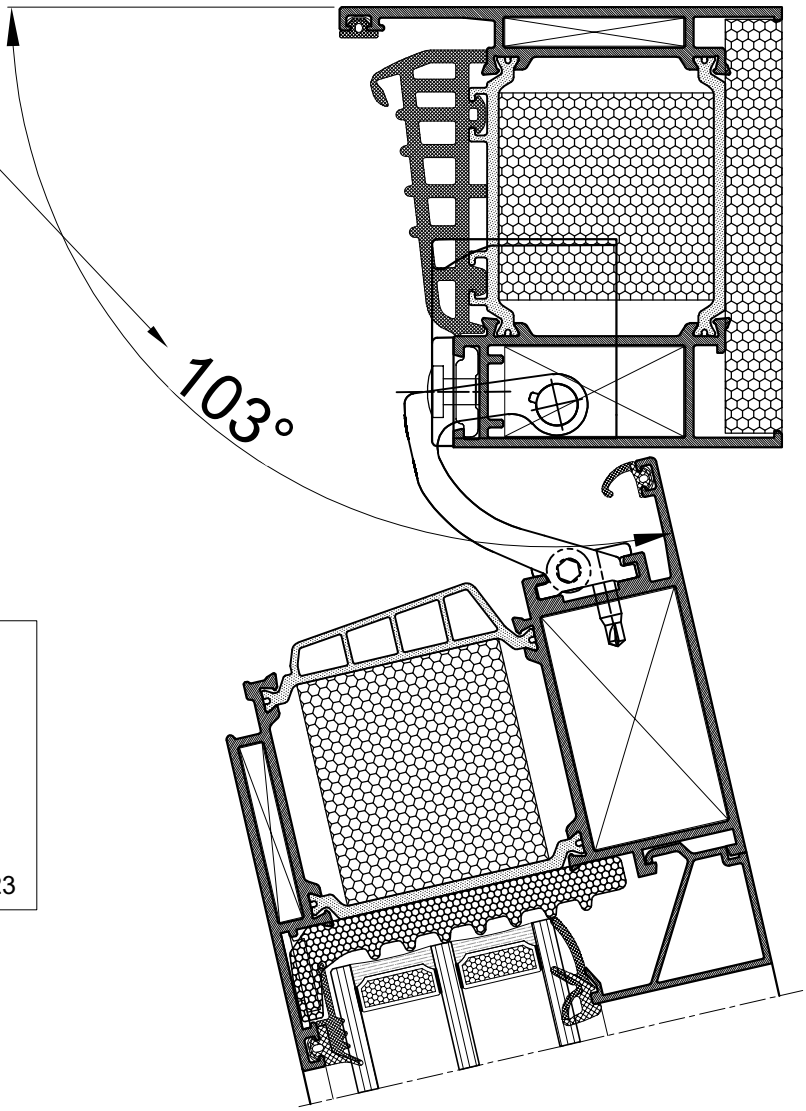
NAPOMENA:
Skrivena šarka 115.019 se može koristiti samo u slučaju kad krilo i ram nisu u istoj ravnini, odnosno kad su u preklopu
REMARK:
Concealed hinges 115.019 can only be used when the sash and frame are not in the same plane, i.e. when they overlap

Detaljne upute
Detailed instructions

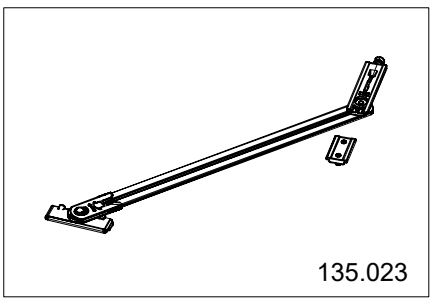
KUT OTVARANJA ZA GIESSE SKRIVENU ŠARKU 115.019
OPENING ANGLE FOR CONCEALED GIESSE HINGE 115.019



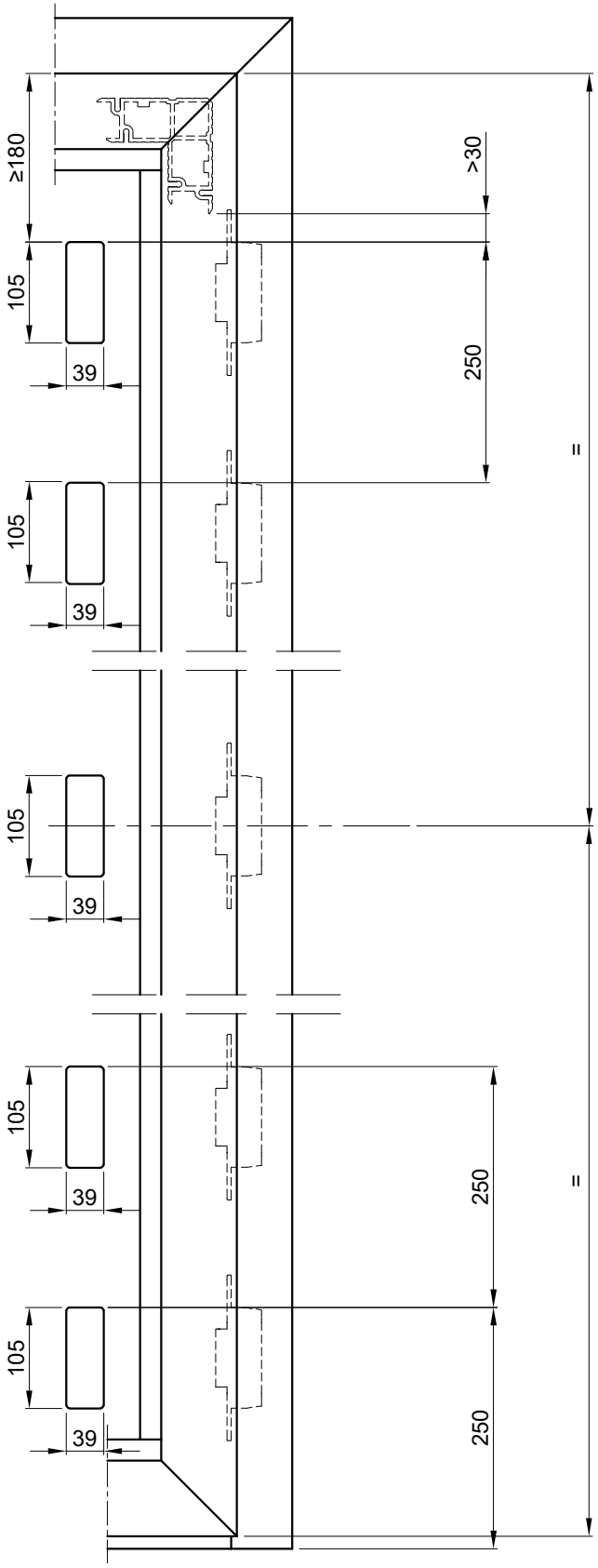
Maksimalni kut otvaranja
Max opening angle

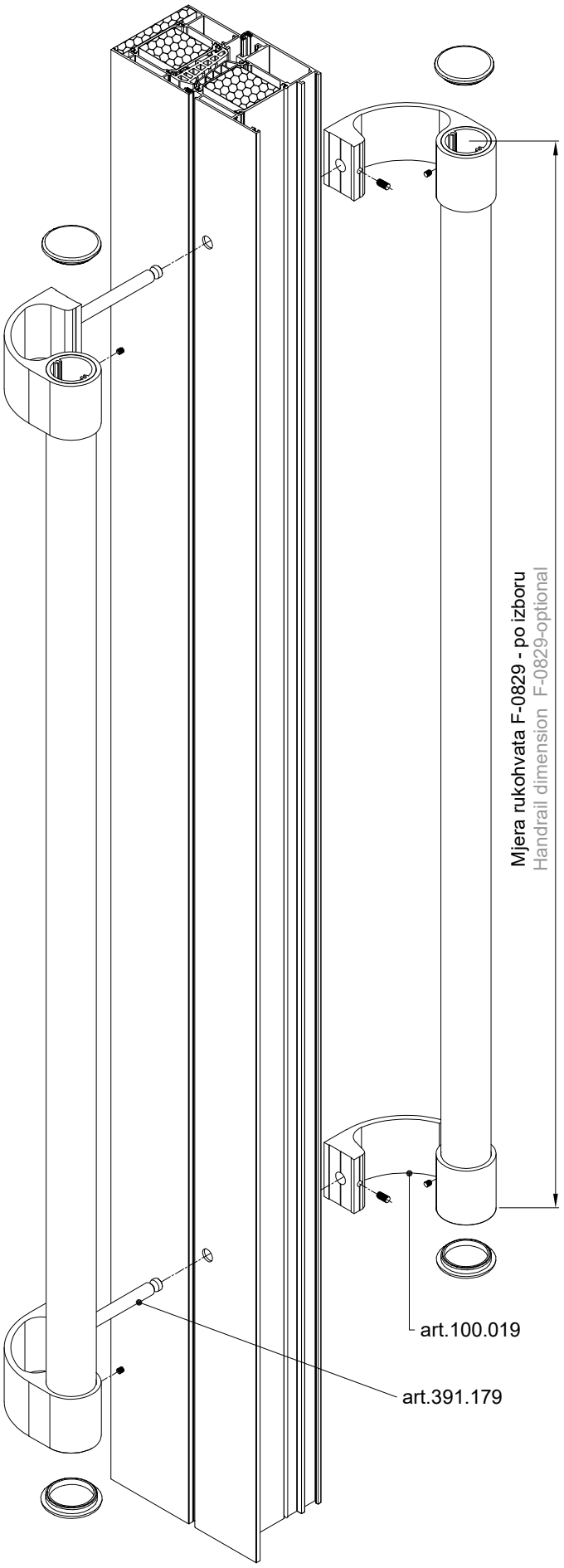


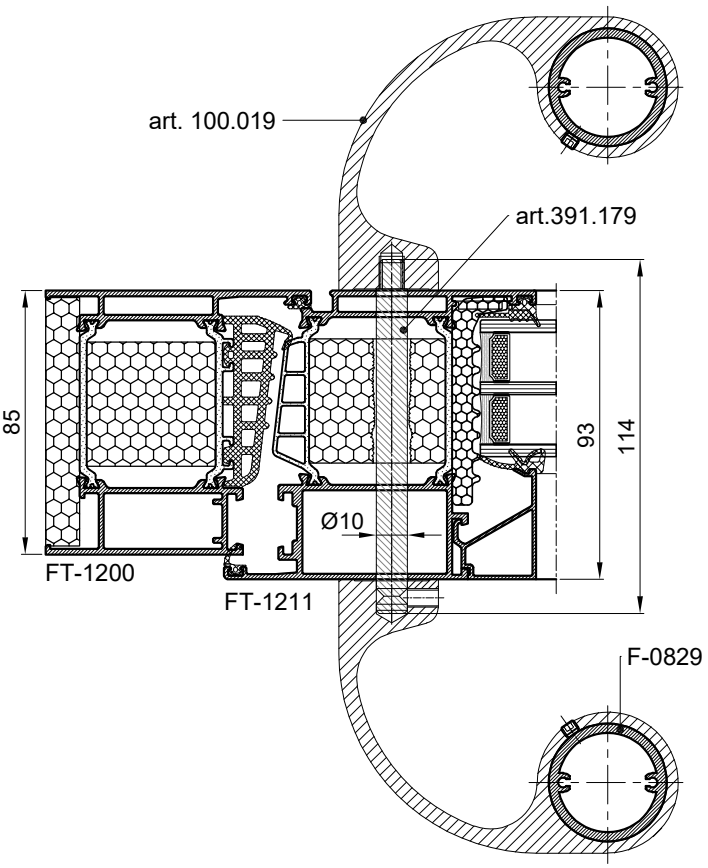
Za vrata koja se otvaraju pod kutem većim od 90 ° preporučuje se koristiti graničnik otvaranja art.135.023
If the leaf can be opened over 90°, the use of a opening limiter arm is recommended art.135.023



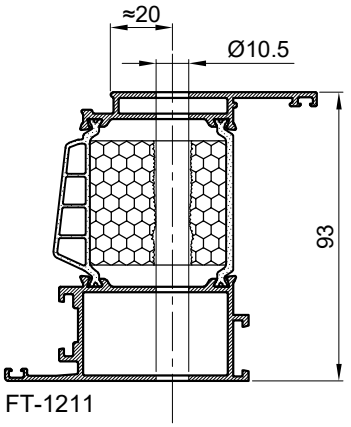
UPUTE ZA POZICIONIRANJE SKRIVENE ŠARKE GIESSE 115.019
INSTRUCTIONS FOR POSITIONING OF THE CONCEALED HINGE GIESSE 115.019



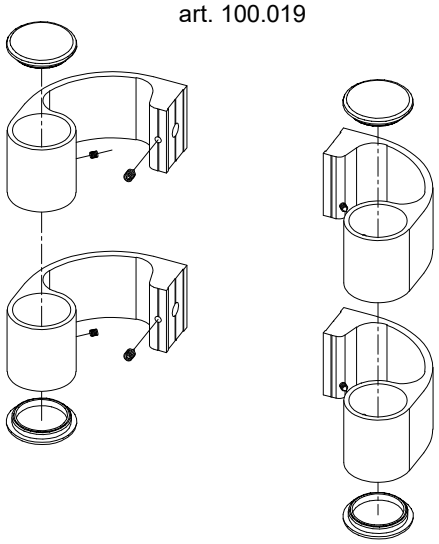




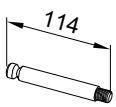
OBRADA PROFILA KRILA
SASH PROFILE PROCESSING



art. 100.019



art. 391.179

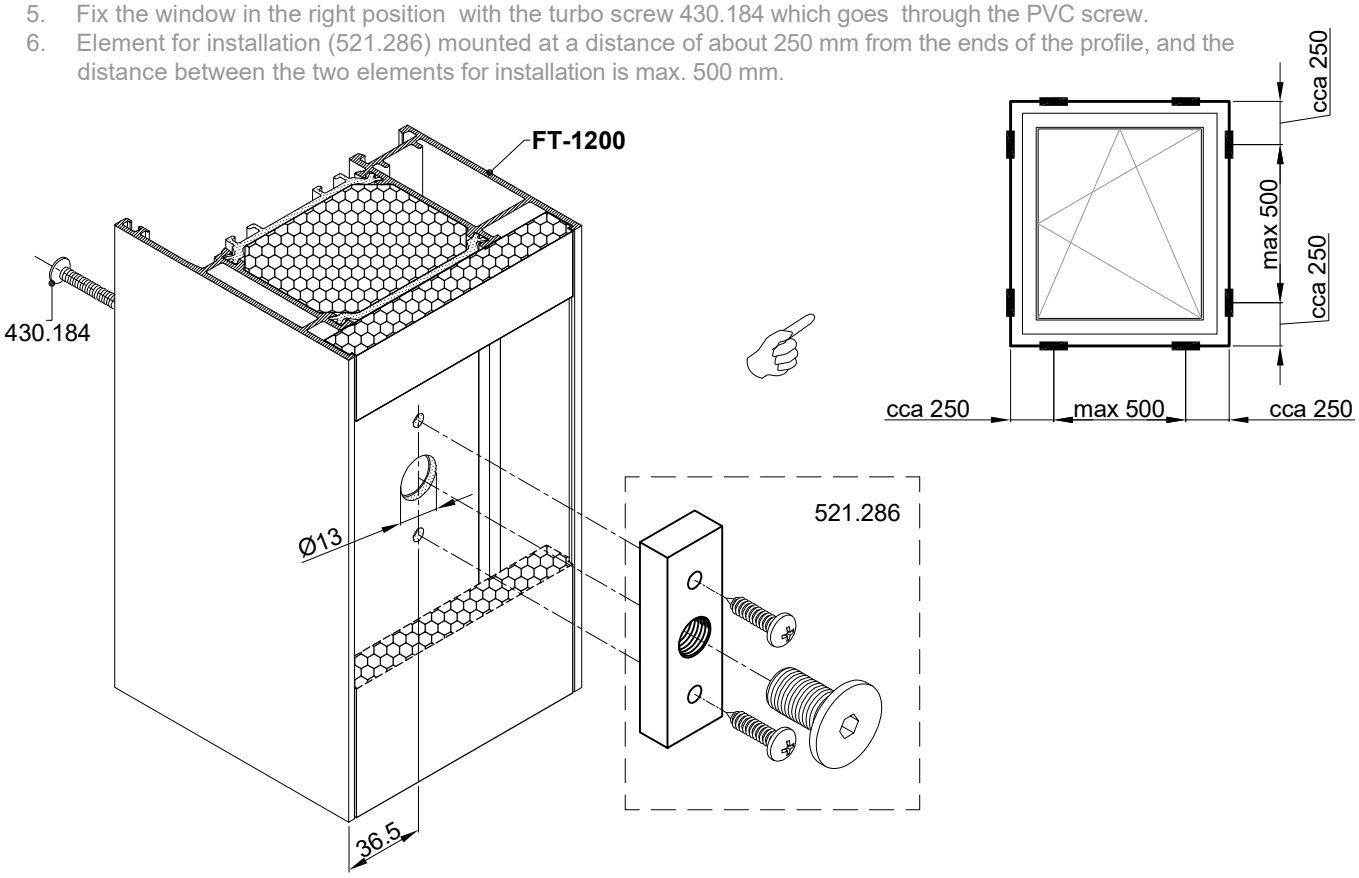


MONTAŽA ELEMENTA ZA UGRADNJU

1. Na profilu rama, kroz oba poliamida probušiti rupu Ø13 mm na udaljenosti 36.5mm od kraja vanjske strane profila.
2. PVC vijak sa pločicom dovesti u osu otvora Ø13 mm
3. Pločicu pričvrstiti za poliamid vijcima 4.8x22 /DIN 7981/
4. Imbus ključem 6 mm, s unutarnje strane profila rama, kroz otvor Ø13 mm zaokretanjem PVC vijka dovesti prozor u ispravan položaj
5. Fiksirati položaj prozora turbo vijkom 430.184 kroz PVC vijak,
6. Element za ugradnju (521.286) montirati na udaljenosti cca 250 mm od krajeva profila rama, a razmak između 2 elementa za ugradnju je max. 500 mm.

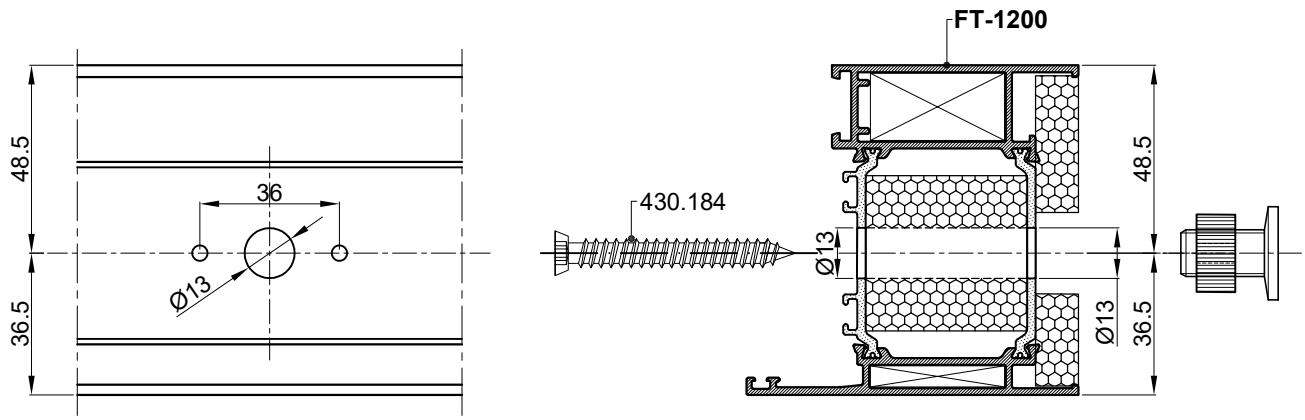
MONTAGE OF INSTALLATION ELEMENTS

1. On the frame profile, drill Ø13 mm hole through the both polyamid strips with 36.5 mm distance from the exterior edge of the profile
2. Position the PVC screw with a plate on the Ø13 mm hole
3. Fasten the plate on the exterior polyamide strip with screws 4.8x22 /DIN 7981/
4. Rotate the PVC screw from the interior side of frame profile with Allen key 6 mm through Ø13 mm hole to bring the window into the right position
5. Fix the window in the right position with the turbo screw 430.184 which goes through the PVC screw.
6. Element for installation (521.286) mounted at a distance of about 250 mm from the ends of the profile, and the distance between the two elements for installation is max. 500 mm.

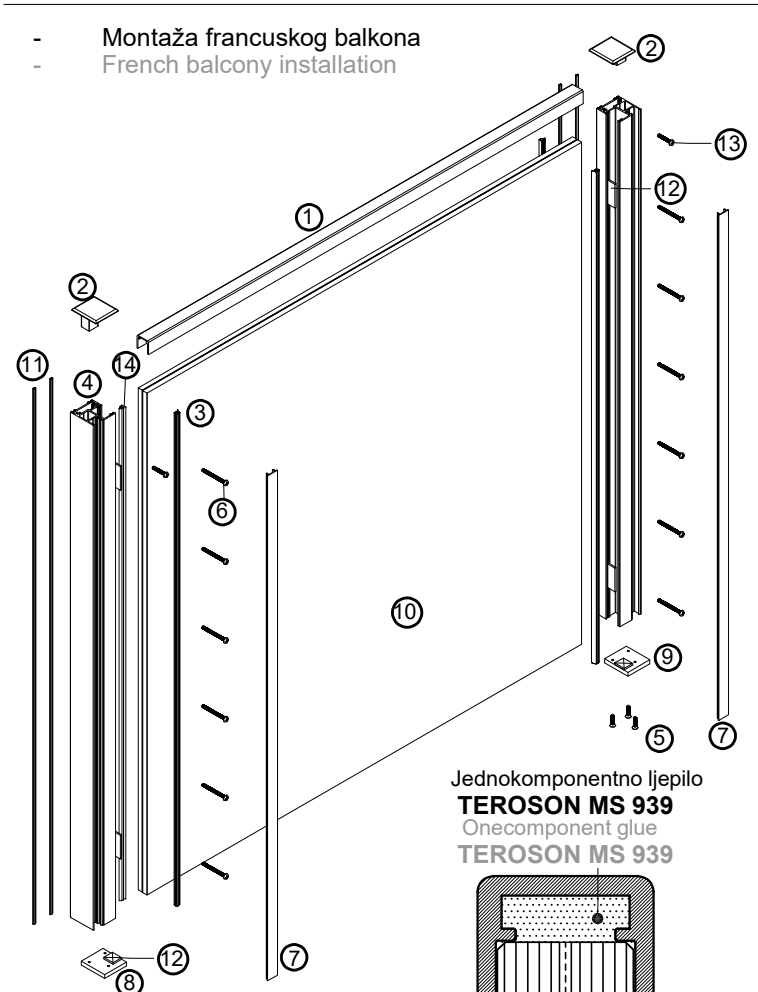


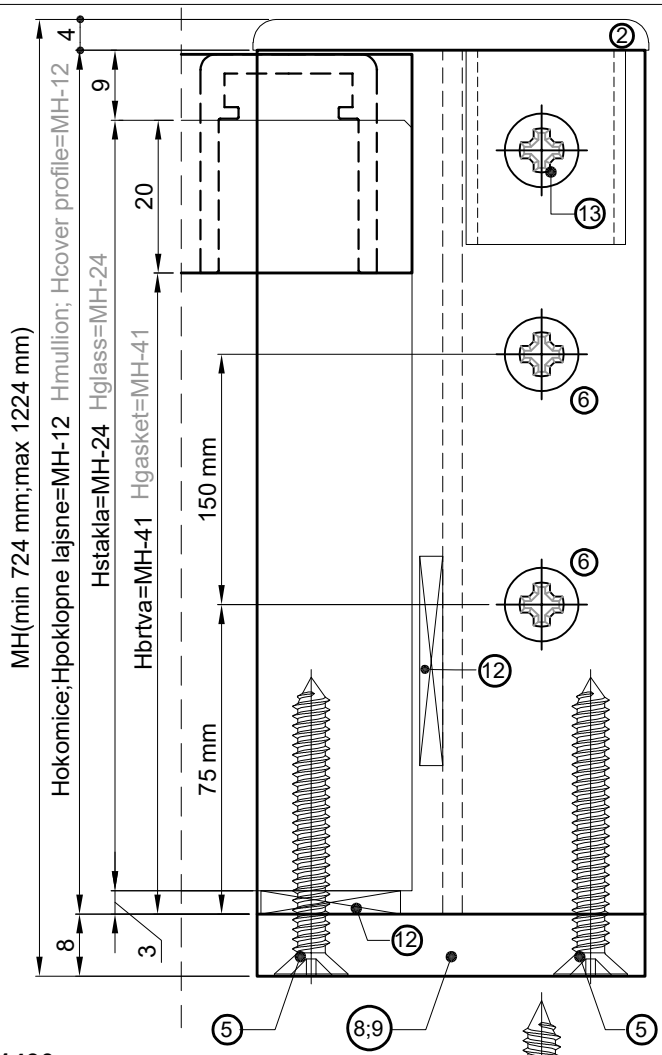
OBRADA PROFILA RAMA ZA SMJEŠTAJ ELEMENTA ZA UGRADNJU 521.286

PROCESSING OF THE FRAME FOR INSTALLATION ELEMENTS 521.286

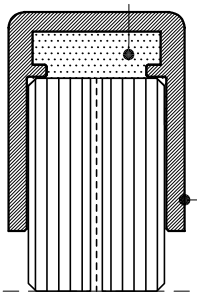


- Montaža francuskog balkona
- French balcony installation





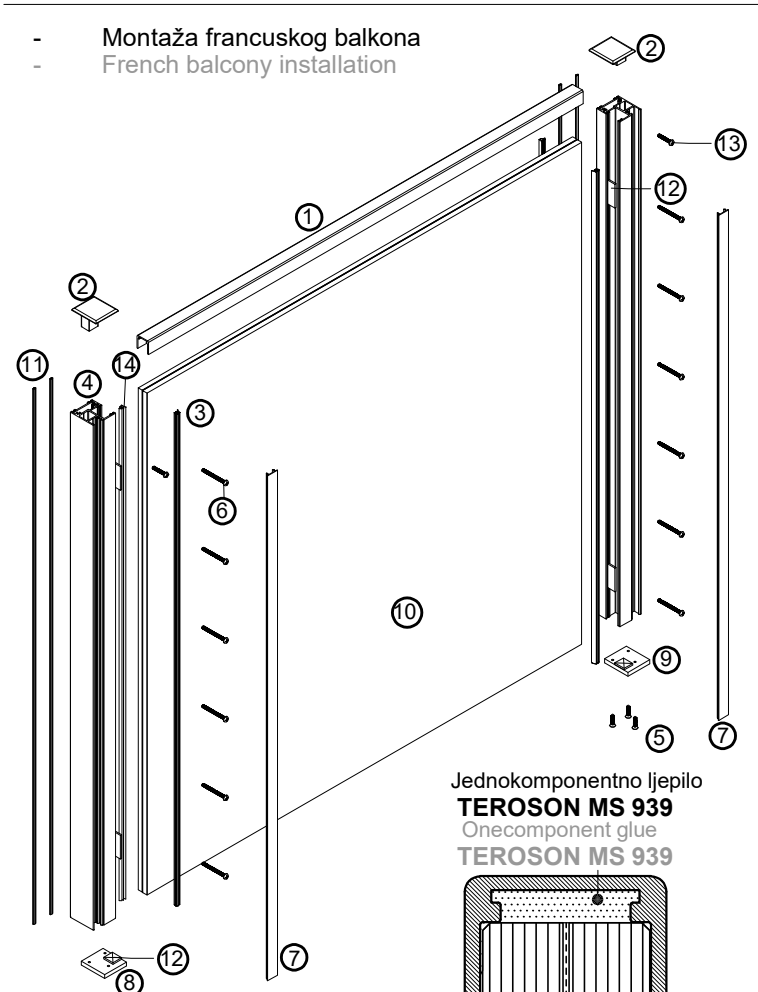
Jednokomponentno ljepilo
TEROSON MS 939
Onecomponent glue
TEROSON MS 939

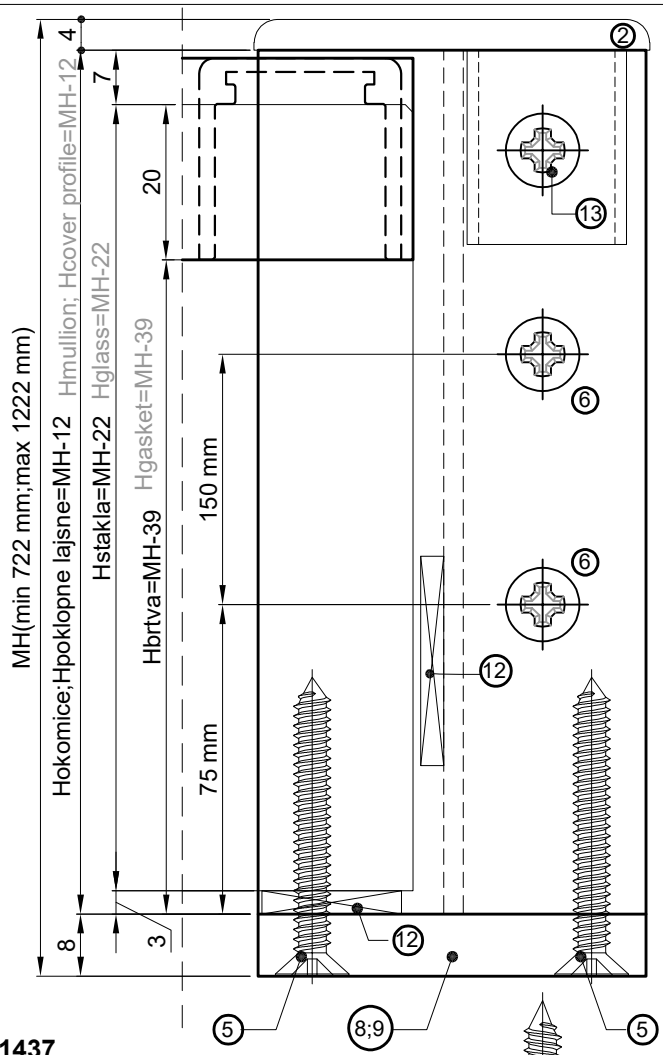


F-1490
Rukohvat
Handrail

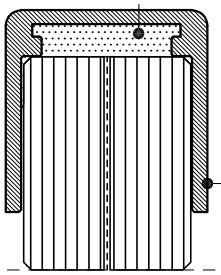
1 - profil rukohvata F-1490
1 - handrail profile F-1490
2 - PVC čep 373.054
2 - PVC cover cap 373.054
3 - brtva 318.016
3 - gasket 318.016
4 - profil okomice F-1569
4 - french balcony profile F-1569
5 - 433.134 (6 komada)
5 - 433.134 (6 pieces)
6 - 433.053 (svakih 150 mm)
6 - 433.053 (every 150 mm)
7 - poklopna lajsna F-0826
7 - cover profile F-0826
8 - nosiva pločica lijeva 391.148
8 - glass support left 391.148
9 - nosiva pločica desna 391.149
9 - glass support right 391.149
10 - staklo 88.4 VSG (TVG+ESG)
10 - glass 88.4 VSG (TVG+ESG)
11 - brtva 340.055
11 - gasket 340.055
12 - PVC distancer 370.000
12 - PVC packer 370.000
13 - 433.042 (za PVC čep)
13 - 433.042 (for PVC cover cap)
14 - brtva 328.002
14 - gasket 328.002

- Montaža francuskog balkona
- French balcony installation





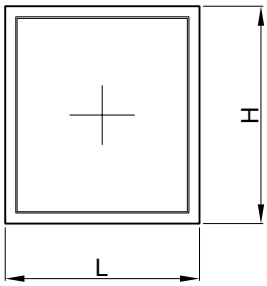
Jednokomponentno ljepilo
TEROSON MS 939
Onecomponent glue
TEROSON MS 939



F-1437
Rukohvat
Handrail

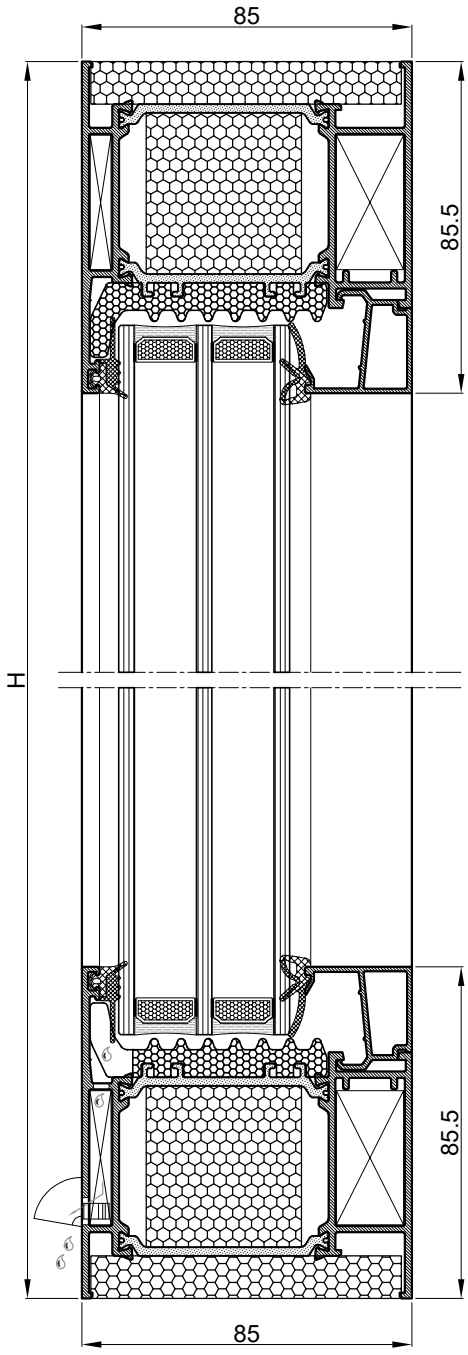
1 - profil rukohvata F-1437
1 - handrail profile F-1437
2 - PVC čep 373.054
2 - PVC cover cap 373.054
3 - brtva 318.015
3 - gasket 318.015
4 - profil okomice F-1569
4 - french balcony profile F-1569
5 - 433.134 (6 komada)
5 - 433.134 (6 pieces)
6 - 433.053 (svakih 150 mm)
6 - 433.053 (every 150 mm)
7 - poklopna lajsna F-0826
7 - cover profile F-0826
8 - nosiva pločica lijeva 391.148
8 - glass support left 391.148
9 - nosiva pločica desna 391.149
9 - glass support right 391.149
10 - staklo 1010.4 VSG (TVG+ESG)
10 - glass 1010.4 VSG (TVG+ESG)
11 - brtva 340.055
11 - gasket 340.055
12 - PVC distancer 370.000
12 - PVC packer 370.000
13 - 433.042 (za PVC čep)
13 - 433.042 (for PVC cover cap)
14 - brtva 328.007
14 - gasket 328.007

Rezne liste
Cutting lists



Rezna lista Cutting list

Ram Frame : FT-1200



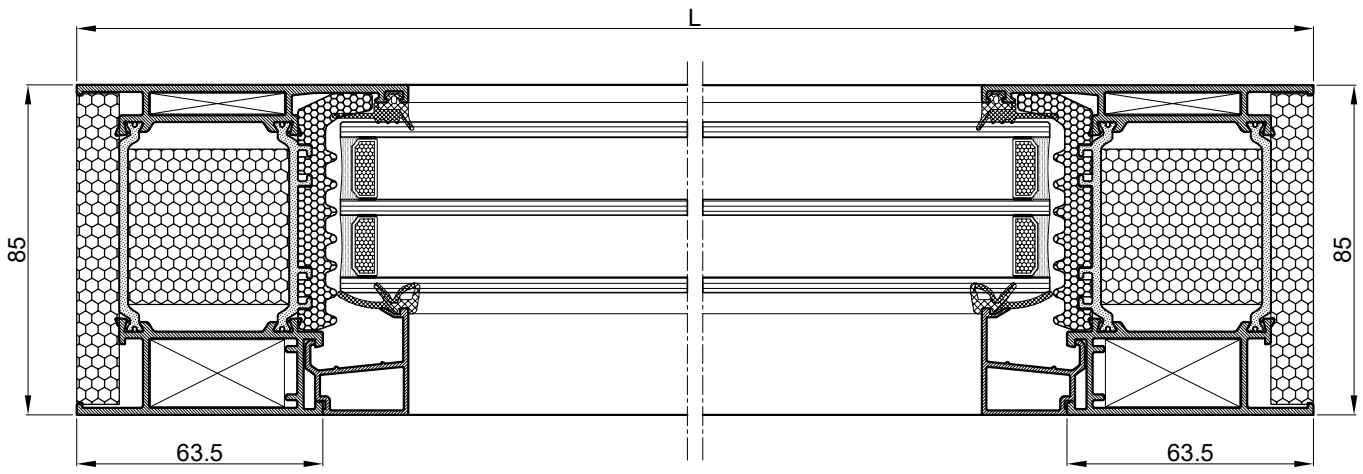
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	2	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-45
F-1575	hor.st.lajsna	hor.glas bead	2	L -127	90-90
F-1575	vert.st.lajsna	vert.glas bead	2	H -171	90-90

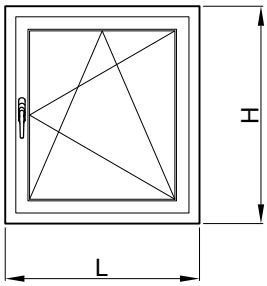
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	4
370.070	maska za drenažni otvor	drainage slot mask	2

BRTVE GASKETS			mjera dimension	kom. pcs.
327.001	brtva prema staklu	glazing gasket	2L+2H	
317.001	brtva prema staklu	glazing gasket	2L+2H	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.143	Izolacijski umetak	insulation	2L+2H	1

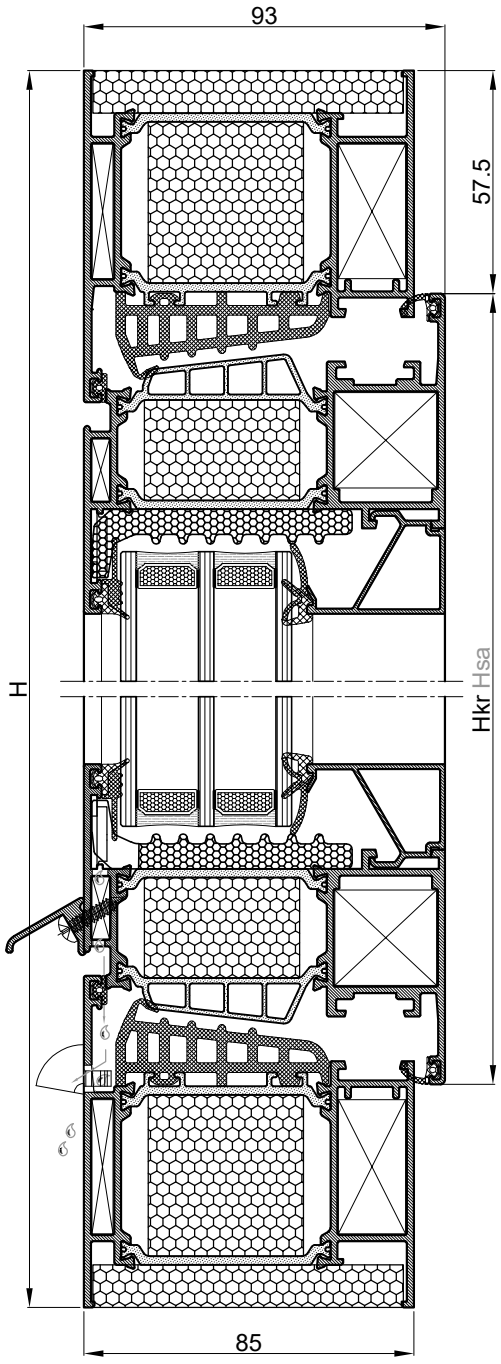
STAKLO GLASS	mjera dimension	kom. pcs.
44mm	L -136 x H -136	1





Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210



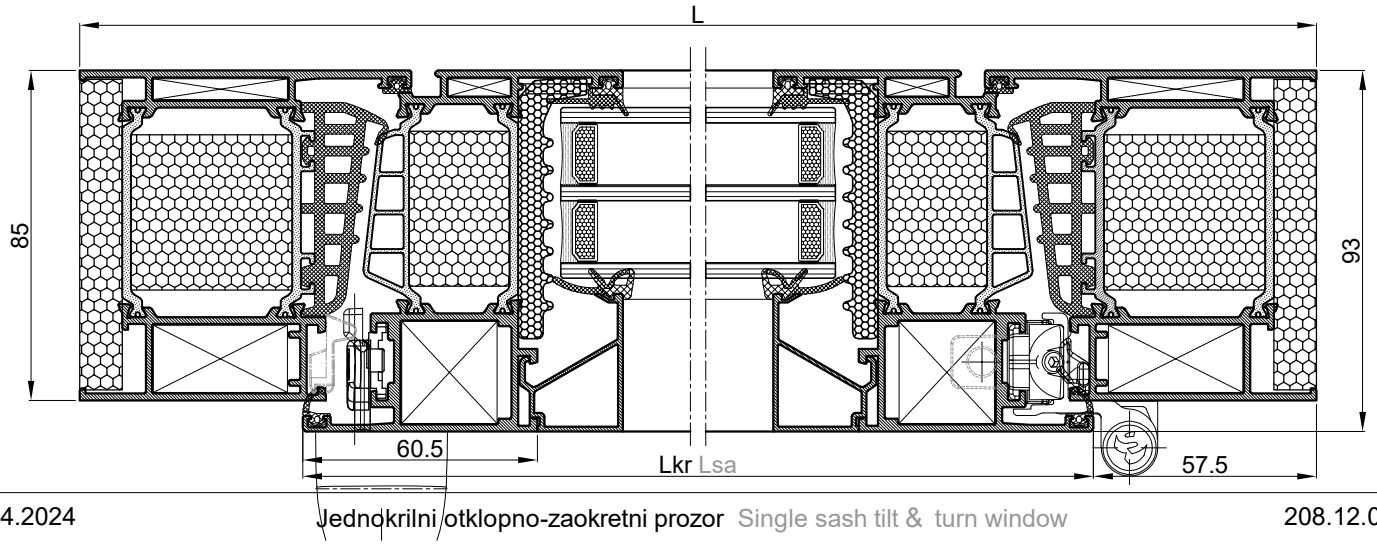
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	2	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-45
FT-1210	hor.krila	hor.sash	2	Lkr Lsa=L-115	45-45
FT-1210	vert.krila	vert.sash	2	Hkr Hsa=H-115	45-45
Z40-669/P	hor.st.lajsna	hor.glas bead	2	Lkr Lsa -121	90-90
Z40-669/P	vert.st.lajsna	vert.glas bead	2	Hkr Hsa -165	90-90
Z40-657	okapnica	drip cap	1	Lkr Lsa -68	90-90
NC-1459	profil klizača	slide profile			90-90

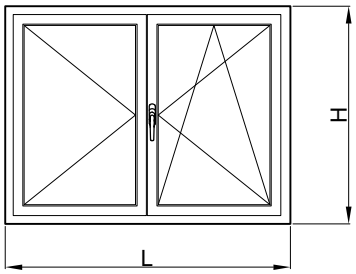
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	4
710.411	kutna spojnica krila	sash corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	4
710.506	kutna spojnica krila	sash corner bracket	4
731.010	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	4
134.026.xx	O-Z meh. -Stublina 4135.00	T&T mec. -Stublina 4135.00	1
370.070	maska za drenažni otvor	drainage slot mask	2

BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	2L+2H	
327.002	brtva u ramu	frame gasket	2L+2H	
317.002	brtva u krilu	sash gasket	2L+2H	
327.001	brtva prema staklu	glazing gasket	2L+2H	
317.001	brtva prema staklu	glazing gasket	2L+2H	
366.015	kutni umetak brtve	gasket corner		4

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS		mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation	2L+2H	1

STAKLO GLASS		mjera dimension	kom. pcs.
44mm	Lkr Lsa -133 x Hkr Hsa - 133		1





Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Kombatuta Flying mullion: FT-1230

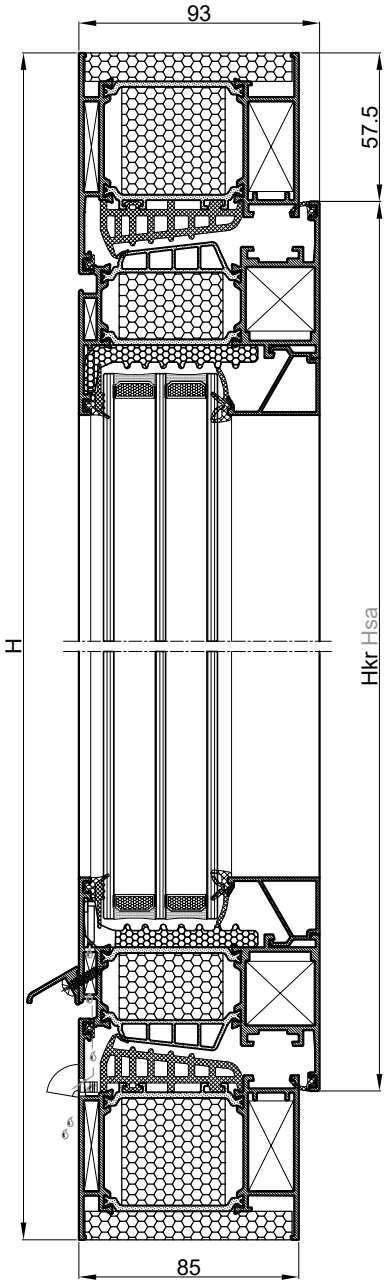
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	2	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-45
FT-1210	hor.krila	hor.sash	4	Lkr Lsa=(L-120)/2	45-45
FT-1210	vert.krila	vert.sash	4	Hkr Hsa=H-115	45-45
FT-1230	profil kombatute	flying mullion	1	Hkr Hsa -70	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	4	Lkr Lsa -121	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	4	Hkr Hsa -165	90-90
Z40-657	okapnica (glav.krilo)	drip cap (main sash)	1	Lkr Lsa -68	90-90
Z40-657	okapnica (pom.krilo)	drip cap (aux.sash)	1	Lkr Lsa -1	90-90
NC-1459	profil klizača	slide profile			90-90

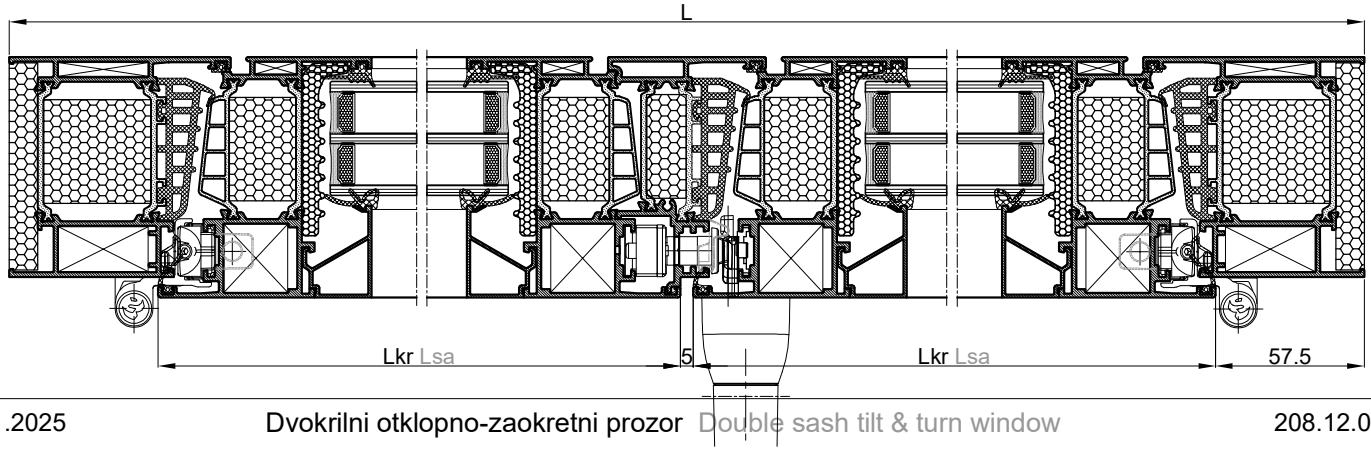
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	4
710.411	kutna spojnica krila	sash corner bracket	8
710.408	kutna spojnica okvira	frame corner bracket	4
710.506	kutna spojnica krila	sash corner bracket	8
731.010	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica okvira	frame corner bracket	4
134.026.xx	O-Z meh. -Stublina	T&T mec. -Stublina	1
134.036	ključanje pomoćnog krila -Stublina	auxiliary sash locking -Stublina	1
134.023	pasivno ključanje -Stublina	passive locking -Stublina	1
134.037	šarke za pomoćno krilo	hinges for auxiliary sash	1
134.038	dodatni element za gornju šarku	additional element for top hinge	1
370.070	maska za drenažni otvor	drainage slot mask	3
363.063	čep-umetak za profil kombatute	cap-insert for flying mullion	par pair

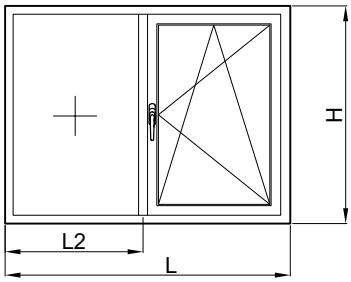
BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	2L+3H	
327.002	brtva u ramu	frame gasket	2L+3H	
317.002	brtva u krilu	sash gasket	2L+3H	
327.001	brtva prema staklu	glazing gasket	2L+4H	
317.001	brtva prema staklu	glazing gasket	2L+4H	
366.015	kutni umetak brtve	gasket corner		4

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak	insulation	4Lkr Lsa + 4Hkr Hsa	1

STAKLO GLASS		mjera dimension	kom. pcs.
44mm		Lkr Lsa -133 x Hkr Hsa - 133	2







Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Prečka Window crossbar: FT-1220

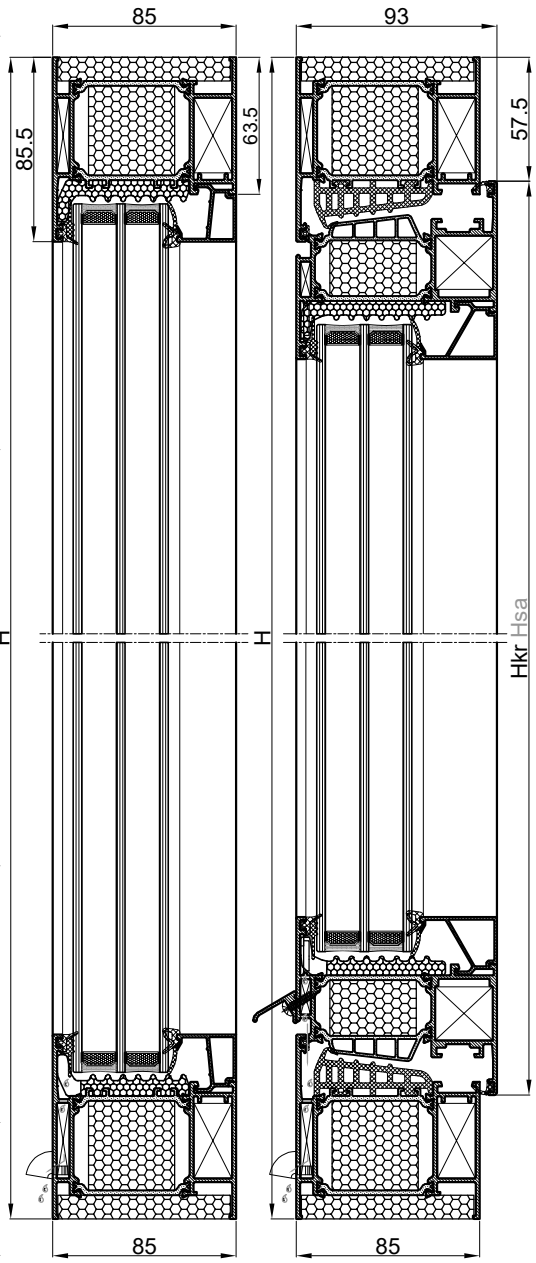
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	2	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-45
FT-1210	hor.krila	hor.sash	2	Lkr Lsa=L/2 - 87	45-45
FT-1210	vert.krila	vert.sash	2	Hkr Hsa=H-115	45-45
FT-1220	prečka	window crossbar	1	H -115	90-90
F-1575	hor.staklo lajsna	hor.glas bead	2	L/2-99	90-90
F-1575	vert.staklo lajsna	vert.glass bead	2	H-171	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	2	Lkr Lsa -121	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	2	Hkr Hsa -165	90-90
Z40-657	okapnica	drip cap	1	Lkr Lsa -68	90-90
NC-1459	profil klizača	slide profile			90-90

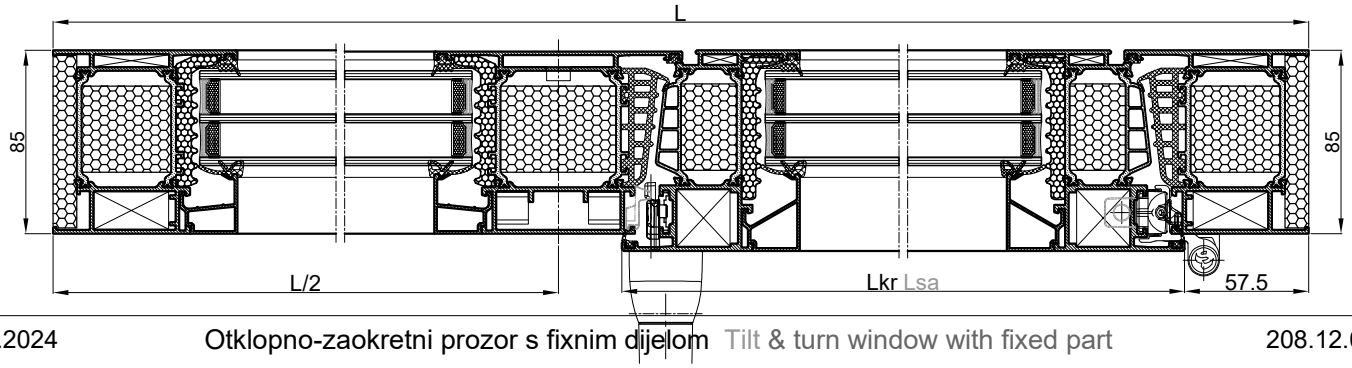
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	4
710.411	kutna spojnica krila	sash corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	4
710.506	kutna spojnica krila	sash corner bracket	4
731.010	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	4
134.026.xx	O-Z meh. -Stublina	T&T mec. -Stublina	1
370.070	maska za drenažni otvor	drainage slot mask	3
710.066	veznik	connector	4
710.412	dodatni veznik	additional connector	2

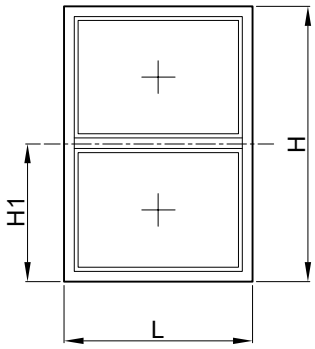
BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	L+2H	
327.002	brtva u ramu	frame gasket	L+2H	
317.002	brtva u krilu	sash gasket	L+2H	
327.001	brtva prema staklu	glazing gasket	2L+4H	
317.001	brtva prema staklu	glazing gasket	2L+4H	
366.015	kutni umetak brtve	gasket corner		4

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation		2Lkr Lsa + 2Hkr Hsa	1
340.143	Izolacijski umetak insulation		L + 2H	1

STAKLO GLASS			mjera dimension	kom. pcs.
44mm			L/2 -108+ x H -136	1
44mm			Lkr Lsa -133 x Hkr Hsa - 133	1







Rezna lista Cutting list

Ram Frame : FT-1200
Prečka Window crossbar: FT-1220

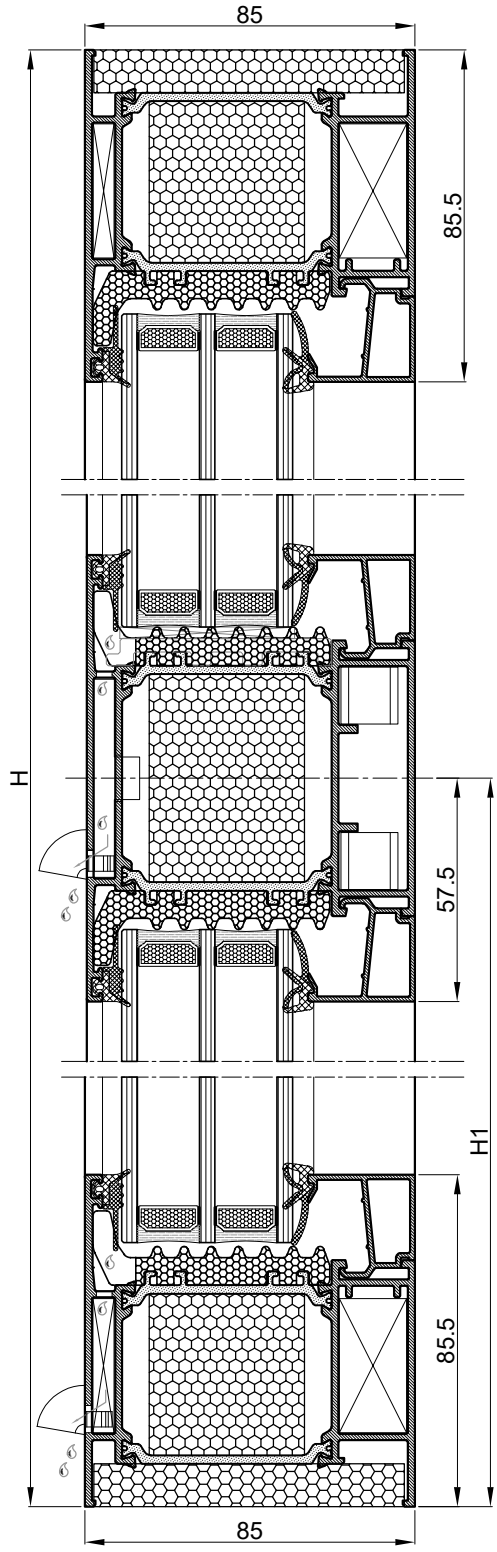
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	2	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-45
FT-1220	prečka	window crossbar	1	L-115	90-90
F-1575	hor.st.lajsna	hor.glas bead	4	L -127	90-90
F-1575	vert.st.lajsna	vert.glas bead	2	H1 -143	90-90
F-1575	vert.st.lajsna	vert.glas bead	2	H-H1-143	90-90

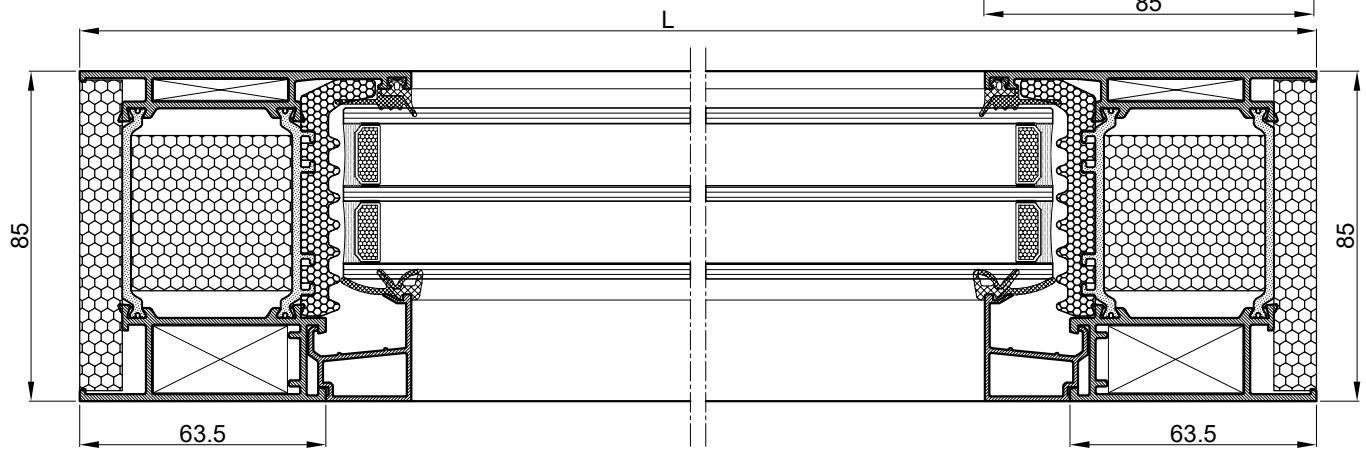
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	4
710.066	veznik	connector	4
710.412	dodatni veznik	additional connector	2
370.070	maska za drenažni otvor	drainage slot mask	4

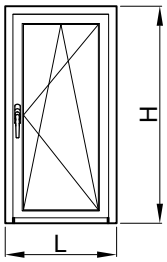
BRTVE GASKETS			mjera dimension	kom. pcs.
327.001	brtva prema staklu	glazing gasket	4L+2H	
317.001	brtva prema staklu	glazing gasket	4L+2H	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.143	Izolacijski umetak	insulation	4L+2H	1

STAKLO GLASS		kom. pcs.
44mm	L -136 x H1 -108	1
44mm	L -136 x H-H1-108	1







Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Prag Threshold: FT-1231

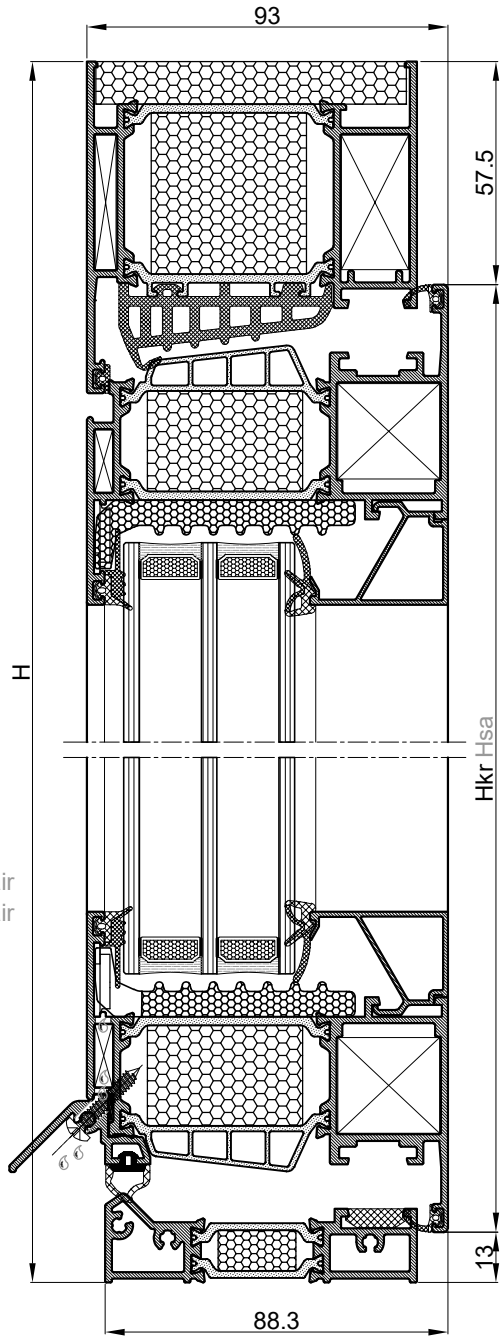
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1210	hor.krila	hor.sash	2	Lkr Lsa=L-115	45-45
FT-1210	vert.krila	vert.sash	2	Hkr Hsa=H-70.5	45-45
FT-1231	profil praga	threshold profile	1	L-168	90-90
Z40-669/P	hor.st.lajsna	hor.glas bead	2	Lkr Lsa -121	90-90
Z40-669/P	vert.st.lajsna	vert.glas bead	2	Hkr Hsa -165	90-90
F-1567	okapnica	drip cap	1	Lkr Lsa -78	90-90
NC-1459	profil klizača	slide profile			90-90

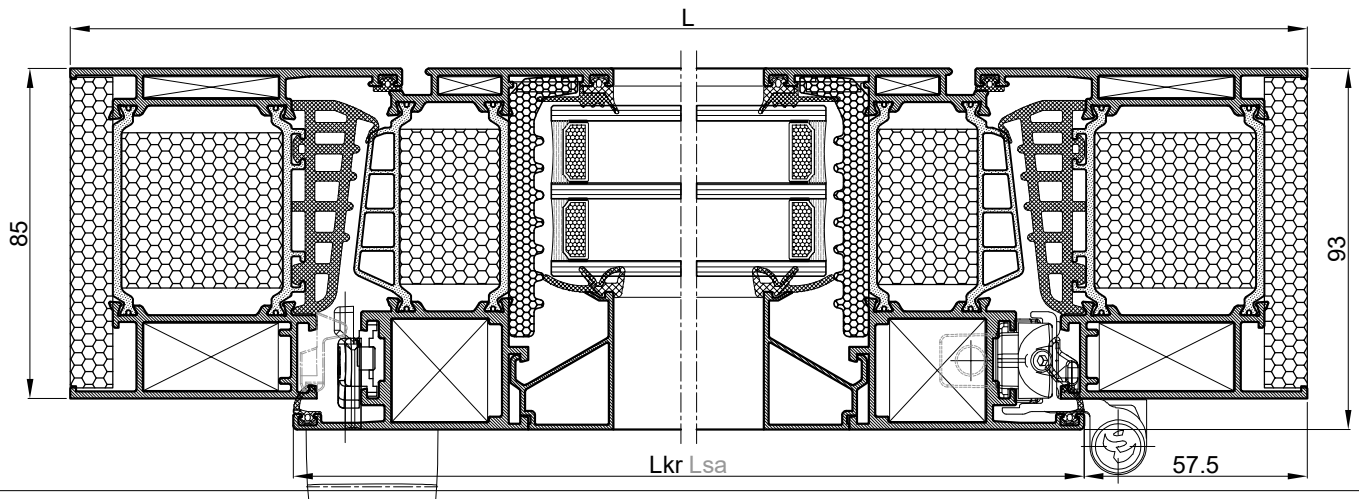
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.411	kutna spojnica krila	sash corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	2
710.506	kutna spojnica krila	sash corner bracket	4
731.010	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	2
134.026.xx	O-Z meh. -Stublina	T&T mec. -Stublina	1
363.064	čep-umetak za profil praga	end insert threshold profile	par pair
373.055	čep-umetak za profil okapnice	end insert drip cap profile	par pair

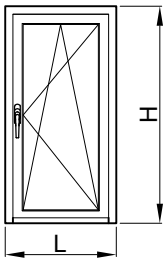
BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	L+2H	
327.002	brtva u ramu	frame gasket	L+2H	
317.002	brtva u krilu	sash gasket	2L+2H	
327.001	brtva prema staklu	glazing gasket	2L+2H	
317.001	brtva prema staklu	glazing gasket	2L+2H	
366.015	kutni umetak brtve	gasket corner		2
348.088	brtva prema pragu	gasket acc. to threshold	L	
344.058	brtva u pragu	gasket in threshold	L	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation		2L+2H	1

STAKLO GLASS		mjera dimension	kom. pcs.
44mm	Lkr Lsa -133 x Hkr Hsa - 133		1

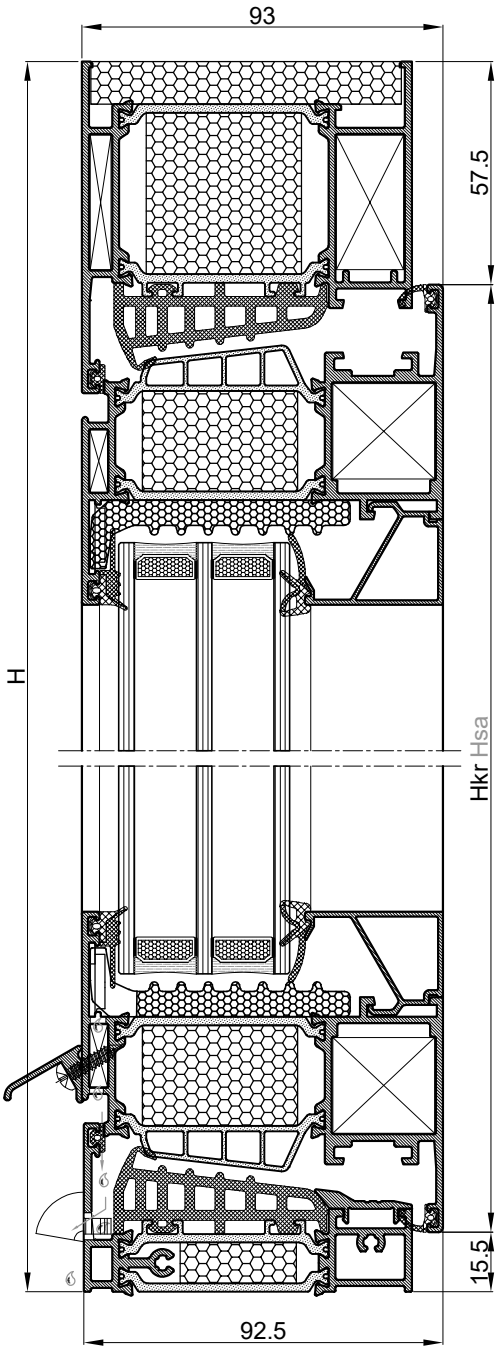






Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Prag Threshold: FT-1232



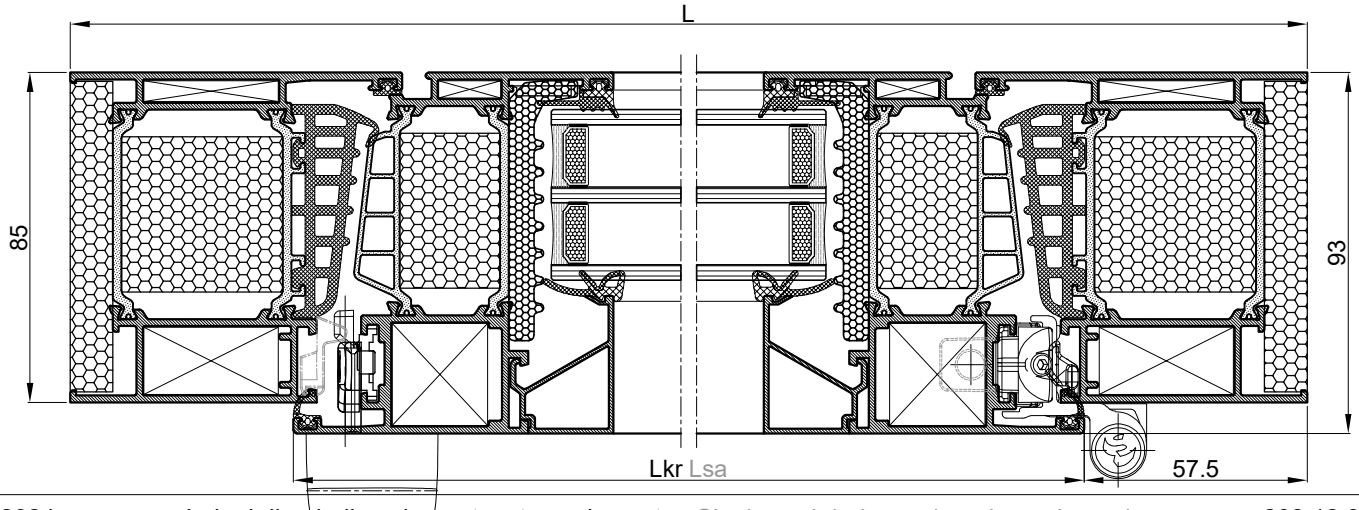
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1210	hor.krila	hor.sash	2	Lkr Lsa=L-115	45-45
FT-1210	vert.krila	vert.sash	2	Hkr Hsa=H-73	45-45
FT-1232	profil praga	threshold profile	1	L-115	90-90
F-1589	profil maske	mask profile	1	L-118	90-90
Z40-669/P	hor.st.lajsna	hor.glas bead	2	Lkr Lsa -121	90-90
Z40-669/P	vert.st.lajsna	vert.glas bead	2	Hkr Hsa -165	90-90
Z40-657	okapnica	drip cap	1	Lkr Lsa -68	90-90
NC-1459	profil klizača	slide profile			90-90

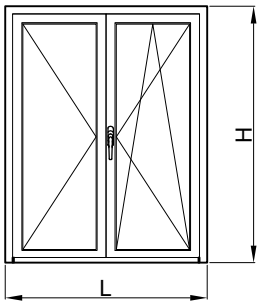
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.411	kutna spojnica krila	sash corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	2
710.506	kutna spojnica krila	sash corner bracket	4
731.010	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	2
134.026.xx	O-Z meh. -Stublina	T&T mec. -Stublina	1
370.070	maska za drenažni otvor	drainage slot mask	2
433.021	vijak 3.9x32 (DIN 7981)	screw 3.9x32 (DIN 7981)	4

BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	2L+2H	
327.002	brtva u ramu	frame gasket	2L+2H	
317.002	brtva u krilu	sash gasket	2L+2H	
327.001	brtva prema staklu	glazing gasket	2L+2H	
317.001	brtva prema staklu	glazing gasket	2L+2H	
366.015	kutni umetak brtve	gasket corner		4

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak	insulation	2L+2H	1

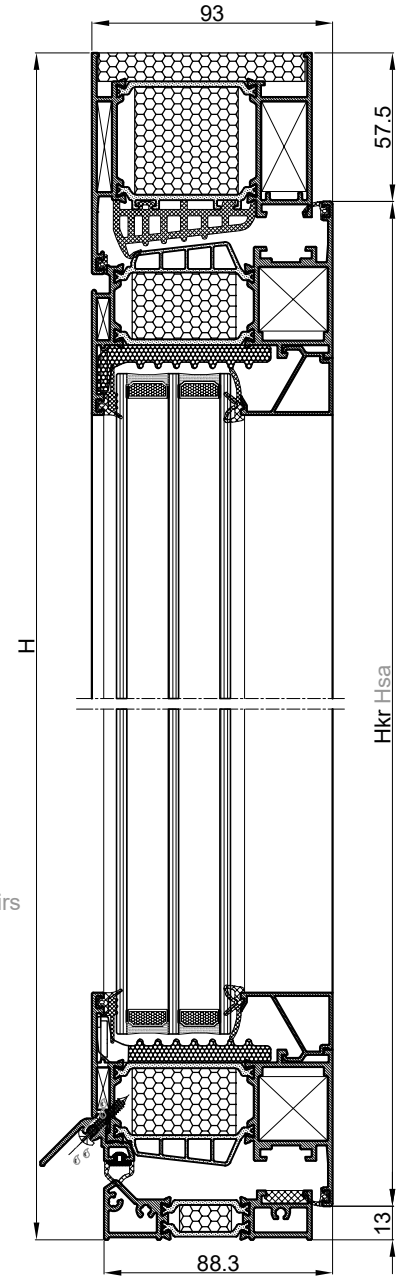
STAKLO GLASS		mjera dimension	kom. pcs.
44mm	Lkr Lsa -133 x Hkr Hsa - 133		1





Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Kombatuta Flying mullion: FT-1230
Prag Threshold: FT-1231



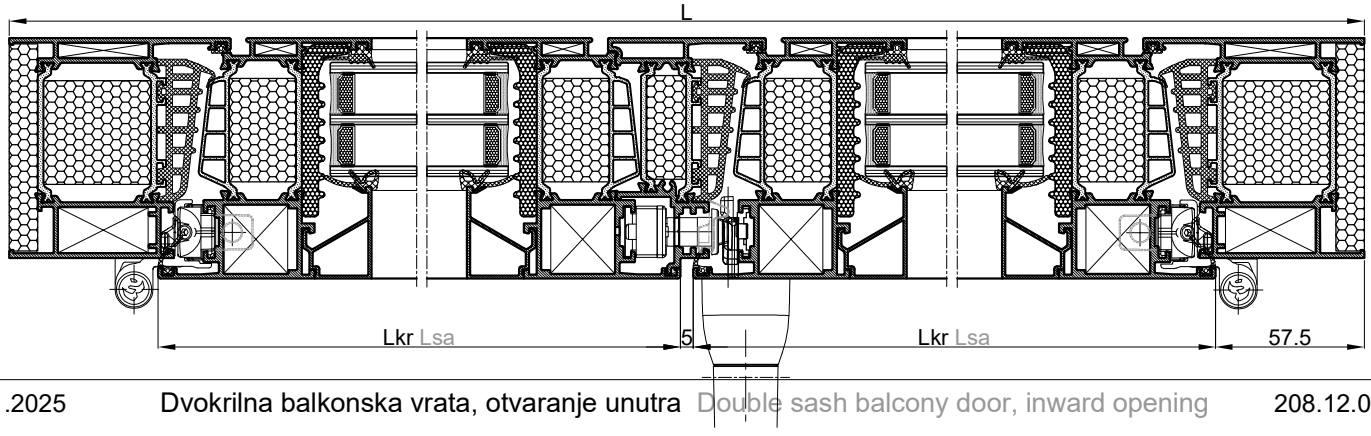
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1210	hor.krila	hor.sash	4	Lkr Lsa=(L-120)/2	45-45
FT-1210	vert.krila	vert.sash	4	Hkr Hsa=H-70.5	45-45
FT-1230	profil kombatute	flying mullion	1	Hkr Hsa -70	90-90
FT-1231	profil praga	threshold profile	1	L -168	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	4	Lkr Lsa -121	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	4	Hkr Hsa -165	90-90
F-1567	okapnica (glav.krilo)	drip cap (main.sash)	1	Lkr Lsa -78	90-90
F-1567	okapnica (pom.krilo)	drip cap (aux.sash)	1	Lkr Lsa -11	90-90
NC-1459	profil klizača	slide profile			90-90

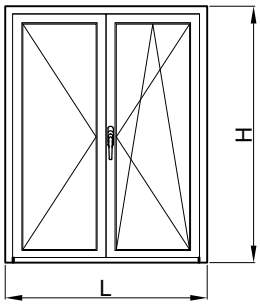
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.411	kutna spojnica krila	sash corner bracket	8
710.408	kutna spojnica okvira	frame corner bracket	2
710.506	kutna spojnica krila	sash corner bracket	8
731.010	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica okvira	frame corner bracket	2
134.026.xx	O-Z meh. -Stublina	T&T mec. - Stublina	1
134.036	ključanje pomoćnog krila -Stublina	auxiliary sash locking - Stublina	1
134.023	pasivno ključanje -Stublina	passive locking - Stublina	2
134.037	šarke za pomoćno krilo	hinges for auxiliary sash	1
134.038	dodatni element za gornju šarku	additional element for top hinge	1
363.063	čep-umetak za profil kombatute	end insert for flying mullion	par pair
363.064	čep-umetak za profil praga	end insert threshold profile	par pair
373.055	čep-umetak za profil okapnice	end insert drip cap profile	2 para pairs

BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	L+3H	
327.002	brtva u ramu	frame gasket	L+3H	
317.002	brtva u krilu	sash gasket	2L+3H	
327.001	brtva prema staklu	glazing gasket	2L+4H	
317.001	brtva prema staklu	glazing gasket	2L+4H	
366.015	kutni umetak brtve	gasket corner		2
348.088	brtva prema pragu	gasket acc.to threshold	L	
344.058	brtva u pragu	gasket in threshold	L	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation		4Lkr Lsa + 4Hkr Hsa	1

STAKLO GLASS			mjera dimension	kom. pcs.
44mm			Lkr Lsa -133 x Hkr Hsa - 133	2





Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1210
Kombatuta Flying mullion: FT-1230
Prag Threshold: FT-1232

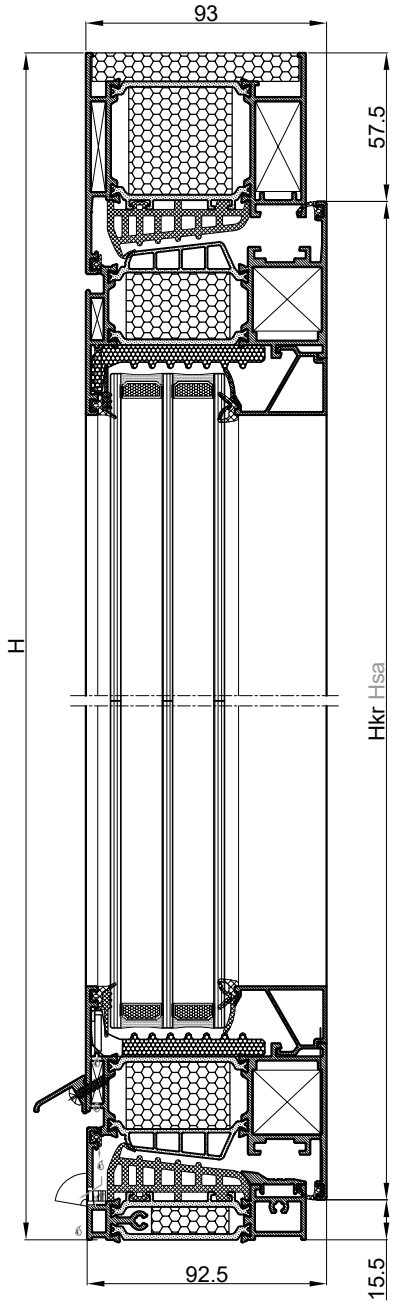
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1210	hor.krila	hor.sash	4	Lkr Lsa=(L-120)/2	45-45
FT-1210	vert.krila	vert.sash	4	Hkr Hsa=H-73	45-45
FT-1230	profil kombatute	flying mullion	1	Hkr Hsa -70	90-90
FT-1231	profil praga	threshold profile	1	L -115	90-90
F-1589	profil maske	mask profile	1	L -118	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	4	Lkr Lsa -121	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	4	Hkr Hsa -165	90-90
Z40-657	okapnica (glav.krilo)	drip cap (main.sash)	1	Lkr Lsa -68	90-90
Z40-657	okapnica (pom.krilo)	drip cap (aux.sash)	1	Lkr Lsa -1	90-90
NC-1459	profil klizača	slide profile			90-90

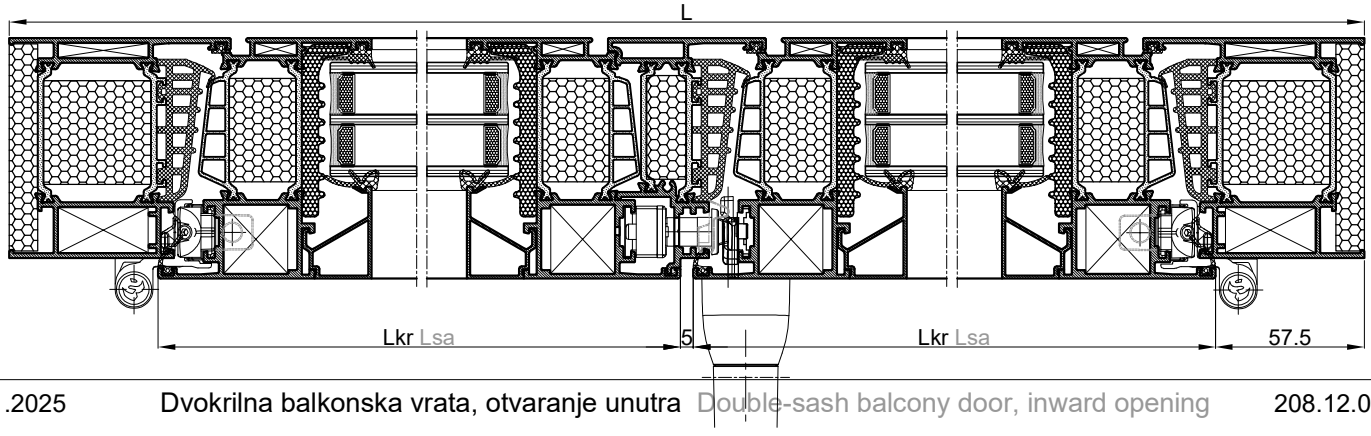
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.411	kutna spojnica krila	sash corner bracket	8
710.408	kutna spojnica okvira	frame corner bracket	2
710.506	kutna spojnica krila	sash corner bracket	8
731.010	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica okvira	frame corner bracket	2
134.026.xx	O-Z meh. - Stublina	T&T mec. - Stublina	1
134.036	ključanje pomoćnog krila - Stublina	auxiliary sash locking - Stublina	1
134.023	pasivno ključanje - Stublina	passive locking - Stublina	2
134.037	šarke za pomoćno krilo	hinges for auxiliary sash	1
134.038	dodatni element za gornju šarku	additional element for top hinge	1
363.063	čep-umetak za profil kombatute	end insert for flying mullion	par pair
370.070	maska za drenažni otvor	drainage slot mask	3
433.021	vijak 3.9x32 (DIN 7981)	screw 3.9x32 (DIN 7981)	4

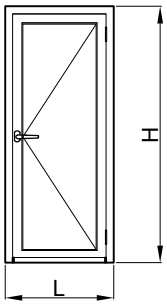
BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	2L+3H	
327.002	brtva u ramu	frame gasket	2L+3H	
317.002	brtva u krilu	sash gasket	2L+3H	
327.001	brtva prema staklu	glazing gasket	2L+4H	
317.001	brtva prema staklu	glazing gasket	2L+4H	
366.015	kutni umetak brtve	gasket corrner		2

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS		mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation	4Lkr Lsa + 4Hkr Hsa	1

STAKLO GLASS	mjera dimension	kom. pcs.
44mm	Lkr Lsa -133 x Hkr Hsa - 133	2

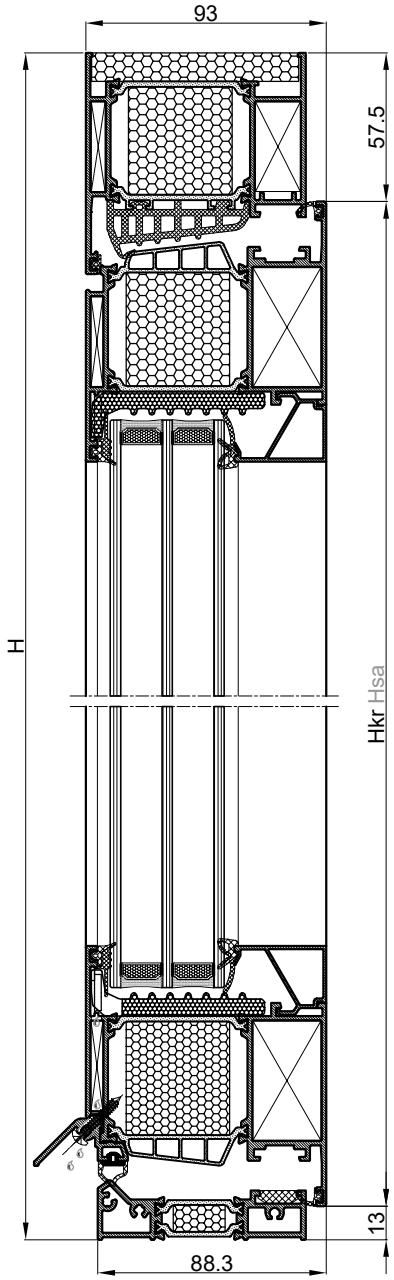






Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1211
Prag Threshold: FT-1231



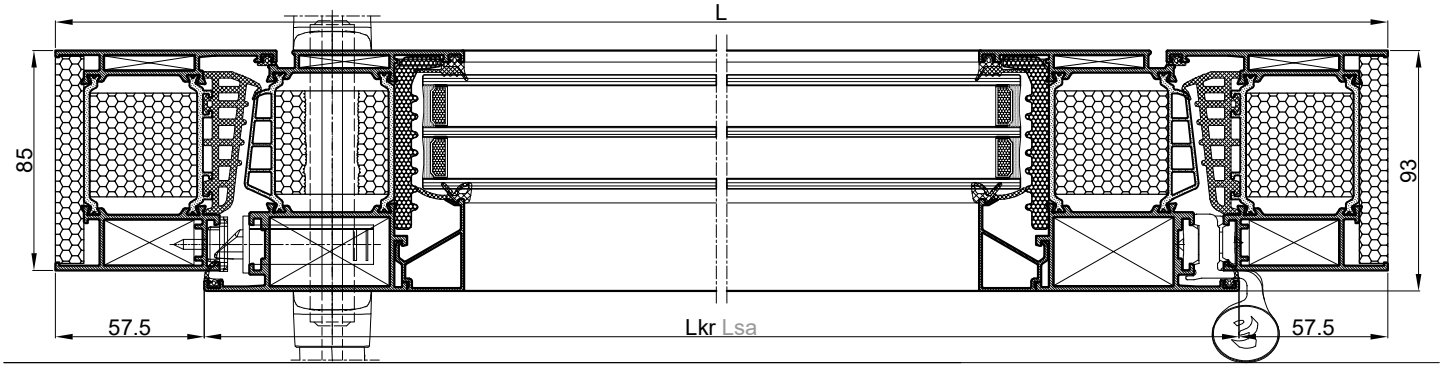
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1211	hor.krila	hor.sash	2	Lkr Lsa=L-115	45-45
FT-1211	vert.krila	vert.sash	2	Hkr Hsa=H-70.5	45-45
FT-1231	profil praga	threshold profile	1	L -168	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	2	Lkr Lsa -157	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	2	Hkr Hsa -201	90-90
F-1567	okapnica	drip cap	1	Lkr Lsa -78	90-90
NC-1459	profil klizača	slide profile			90-90

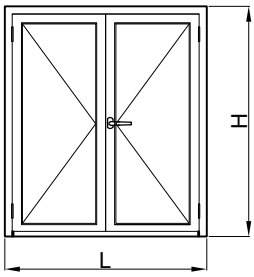
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.435	kutna spojnica krila	sash corner bracket	4
710.408	kutna spojnica okvira	frame corner bracket	2
710.434	kutna spojnica krila	sash corner bracket	4
731.010	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica krila	sash corner bracket	4
730.001	kutna spojnica okvira	frame corner bracket	2
124.001	brava 35 mm s jezičkom	lock 35mm with latchbolt	1
126.028	uložak (cilindar) za bravu 35mm	lock insert (cylinder) 35mm	1
124.032	štitnik cilindra za bravu	lock cylinder protector	par pair
124.003	prihvatnik jezička brave (šild)	lock latchbolt acceptor	1
104.009	ručka za vrata	door handle	1
114.001	dvodijelna šarka	two-part hinge	2
363.064	čep-umetak za profil praga	end insert threshold profile	par pair
373.055	čep-umetak za profil okapnice	end insert drip cap profile	par pair

BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	L+2H	
327.002	brtva u ramu	frame gasket	L+2H	
317.002	brtva u krilu	sash gasket	2L+2H	
327.001	brtva prema staklu	glazing gasket	2L+2H	
317.001	brtva prema staklu	glazing gasket	2L+2H	
366.015	kutni umetak brtve	gasket corner		2
348.088	brtva prema pragu	gasket acc.to threshold	L	
344.058	brtva u pragu	gasket in threshold	L	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak insulation		2L + 2H	1

STAKLO GLASS			mjera dimension	kom. pcs.
44mm			Lkr Lsa -169 x Hkr Hsa - 169	1





Rezna lista Cutting list

Ram Frame : FT-1200
Krilo Sash: FT-1211
Kombatuta Flying mullion: FT-1230
Prag Threshold: FT-1231

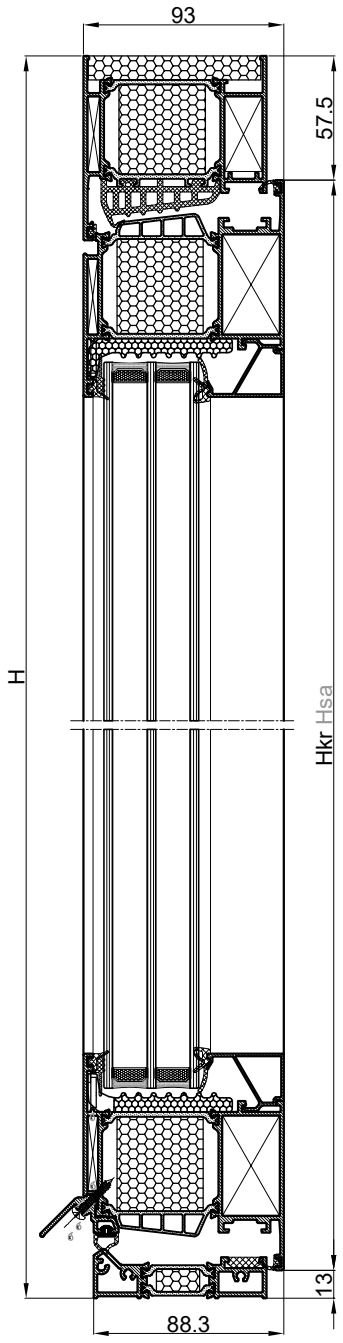
PROFILI PROFILES			kom. pcs.	mjera dimension	kut pilanje sawing angle
FT-1200	hor.okvira	hor.frame	1	L	45-45
FT-1200	vert.okvira	vert.frame	2	H	45-90
FT-1211	hor.krila	hor.sash	4	Lkr Lsa=(L-120)/2	45-45
FT-1211	vert.krila	vert.sash	4	Hkr Hsa=H-70.5	45-45
FT-1230	profil kombatute	flying mullion	1	Hkr Hsa -70	90-90
FT-1231	profil praga	threshold profile	1	L-168	90-90
Z40-669/P	hor.staklo lajsna krila	hor.glas bead	4	Lkr Lsa -157	90-90
Z40-669/P	vert.staklo lajsna krila	vert.glass bead	4	Hkr Hsa -201	90-90
F-1567	okapnica (glav.krilo)	drip cap (main.sash)	1	Lkr Lsa -78	90-90
F-1567	okapnica (pom.krilo)	drip cap (aux.sash)	1	Lkr Lsa -11	90-90
NC-1459	profil klizača	slide profile			90-90

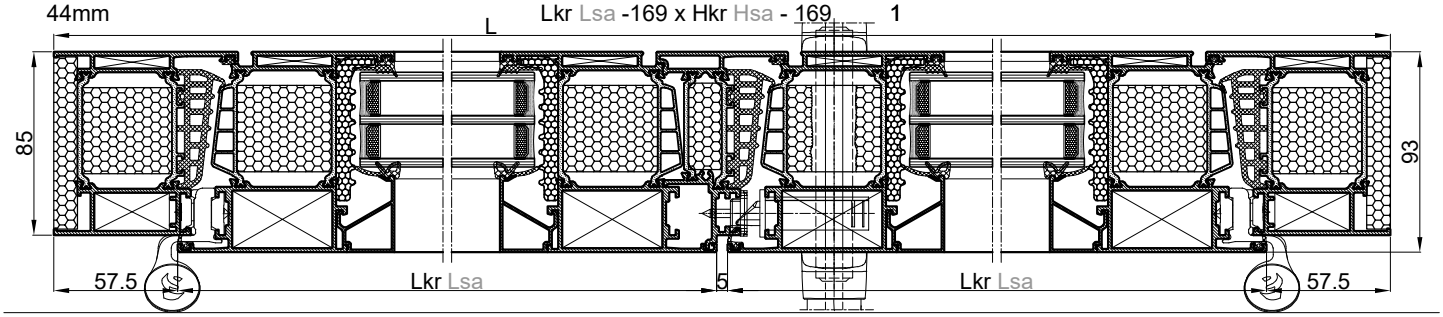
OKOVI HARDWARE			kom. pcs.
710.409	kutna spojnica okvira	frame corner bracket	2
710.435	kutna spojnica krila	sash corner bracket	8
710.408	kutna spojnica okvira	frame corner bracket	2
710.434	kutna spojnica krila	sash corner bracket	8
731.010	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica krila	sash corner bracket	8
730.001	kutna spojnica okvira	frame corner bracket	2
124.001	brava 35 mm s jezičkom	lock 35mm with latchbolt	1
126.028	uložak (cilindar) za bravu 35mm	lock insert (cylinder) 35mm	1
124.032	štitnik cilindra za bravu	lock cylinder protector	par pair
124.003	prihvatnik jezička brave (šild)	lock latchbolt acceptor	1
104.009	ručka za vrata	door handle	1
114.001	dvodijelna šarka	two-part hinge	4
144.003	zapinjač-krakun za vrata	door latch	2
363.063	čep-umetak za profil kombatute	end insert for flying mullion	par pair
363.064	čep-umetak za profil praga	end insert threshold profile	par pair
373.055	čep-umetak za profil okapnice	end insert drip cap profile	2 para pairs

BRTVE GASKETS			mjera dimension	kom. pcs.
337.001	centralna brtva	central gasket	L+3H	
327.002	brtva u ramu	frame gasket	L+3H	
317.002	brtva u krilu	sash gasket	L+3H	
327.001	brtva prema staklu	glazing gasket	2L+4H	
317.001	brtva prema staklu	glazing gasket	2L+4H	
366.015	kutni umetak brtve	gasket corner		2
348.088	brtva prema pragu	gasket acc.to threshold	L	
344.058	brtva u pragu	gasket in threshold	L	

ISPUNA PO OPSEGU STAKLA INSULATION AROUND THE GLASS			mjera dimension	kom. pcs.
340.142	Izolacijski umetak	insulation	4Lkr Lsa + 4Hkr Hsa	1
340.143	Izolacijski umetak	insulation	L + 2H	1

STAKLO GLASS		mjera dimension	kom. pcs.
44mm		Lkr Lsa -169 x Hkr Hsa - 169	1





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