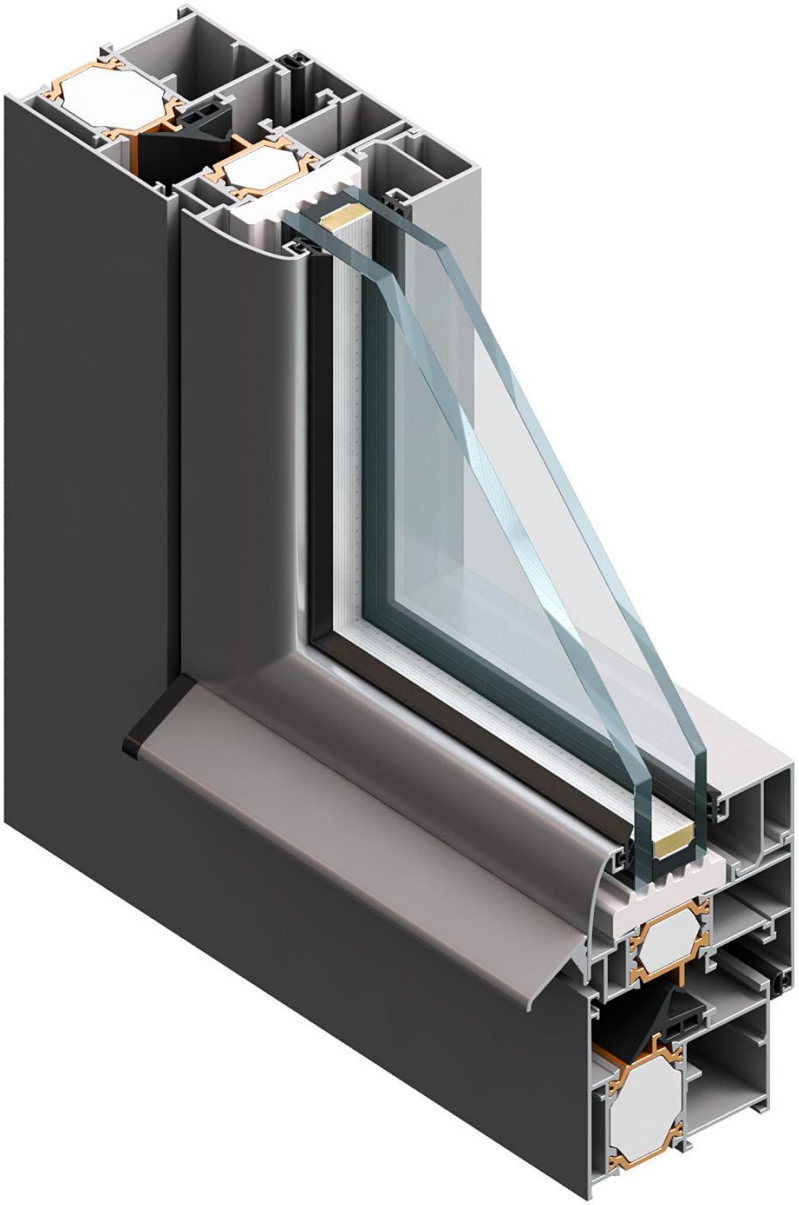
FEAL



TERMO 60

PROZORI I VRATA

WINDOWS AND DOORS

Knjiga A / *Book A*

SADRŽAJ CONTENT

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01	SYSTEM CHARACTERISTICS	600.01.001-006
02	ISPITIVANJA I CERTIFIKATI	600.02.001-020
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03	PROFILI	600.03.001-040
03	PROFILES	600.03.001-040
04	PRIKAZ STAKLJENJA	600.04.001-006
04	GLAZING	600.04.001-006
05	PRESJECI	600.05.001-156
05	CROSS SECTION	600.05.001-156

Značajke sistema
System characteristics

OPIS SISTEMA:

Sistem TERMO 60 se koristi za izradu prozora , vrata (otvaranje unutra i vani) i fiksnih stijena.
To je sistem profila sa prekinutim termičkim mostom, osnovne ugradbene dubine dovratnika 60 i 68 mm,
Pored osnovne varijante dovratnika/krila sa ravnim linijama, moguće su izvedbe dovratnika/krila i sa zaobljenim vanjskim linijama.
Prekid termičkog mosta se postiže poliamidnim trakama širine 24 i 26 mm.
Radi dodatnog poboljšanja termičkih karakteristika profila,u komore se ugrađuju profili od XPS -a (ekstrudirani polistiren - λ=0.035 W/m2K) i takvi profili dobivaju u nazivu slovo F.
Brtvljnje je izvedeno brtvama EPDM kvalitete.
Mogući tipovi otvaranja su: otklopno, zaokretno, otklopno-zaokretno, vrata sa otvaranjem prema unutra i prema vani.
Sistem je kompatibilan sa fasadnim sistemima 50FK/FS i 60K/S.
Mogućnost odabira profila sa žlijebom 16/ 9.
Okov koji se ugrađuje u sistem je standardni za eurožlijeb 15/20 i za žlijeb 16/ 9.

Karakteristike sistema:

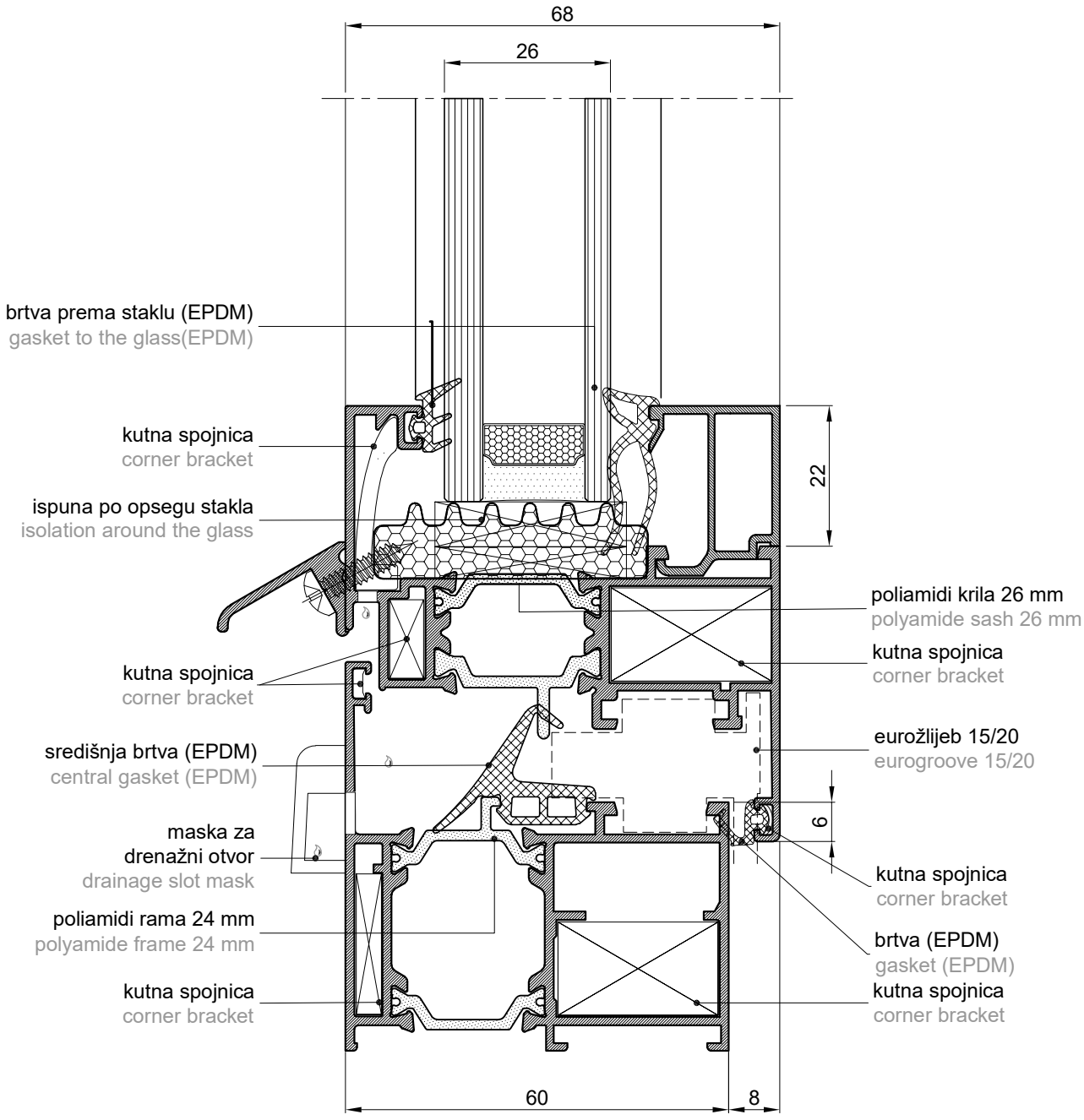
-materijal	EN AW-6060
-max.masa krila	130 kg
-moguća debljina ispune	4-54 mm
-zrakopropusnost	EN 12207 (klasa 4)
-vodonepropusnost	EN 12208 (klasa E900)
-zaštita od buke	DIN 4109 (Rw=39 dB)
-protuprovalnost	EN 1627 (RC2)
-proračun Uw koeficijenta	DIN EN ISO 10077-2 (≥1,2 Wm²/K)
-otpornost na udar vjetra	EN 12210 (klasa C4/B4)
-materijal za brvljenje (EPDM)	DIN 7863
-površinska obrada	DIN 17611
-kontrola kvalitete	DIN EN ISO 9001

SYSTEM DESCRIPTION:

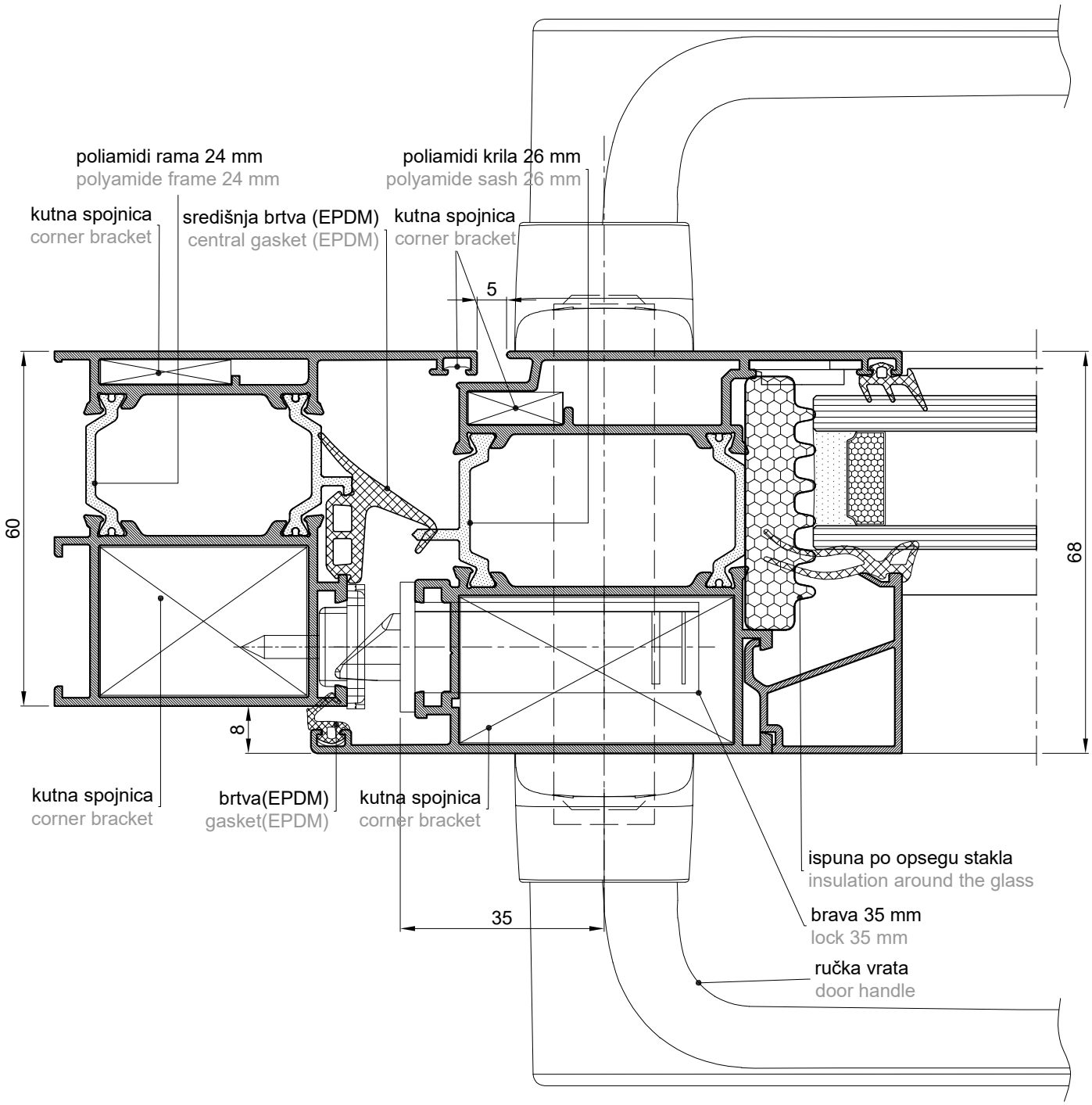
The system TERMO 60 is used for production the windows (inside and outside opening), doors (inside and outside opening) and fixed glass wall.
It is a profiles system with thermal break, basic mounting depth the frame 60 i 68 mm,
In addition to the basic variant of the frame / sash with flat lines, it is possible preformance frame/sash with the rounded outside lines.
The thermal bridge break is achieved with polyamide strips of 24 and 26 mm width
Because of additional improvement of thermal characteristics the profiles, in the chamber stick in XPS -a (ekstrudirani polistiren - λ=0.035 W/m2K) and that profiles are given the name F.
The sealing are made with the gasket EPDM quality .
Possible types of opening: tilt, turn, turn outside opening, turn around middle axis, tilt and turn, door with outside and inside opening.
System is compatibilty with facade systems 50FK/KS i 60K/S.
Possibility selection the profile with groove 16/ 9
The hardware which are installation in the this system is standard for euro grove and for groove 16/9

System characteristics:

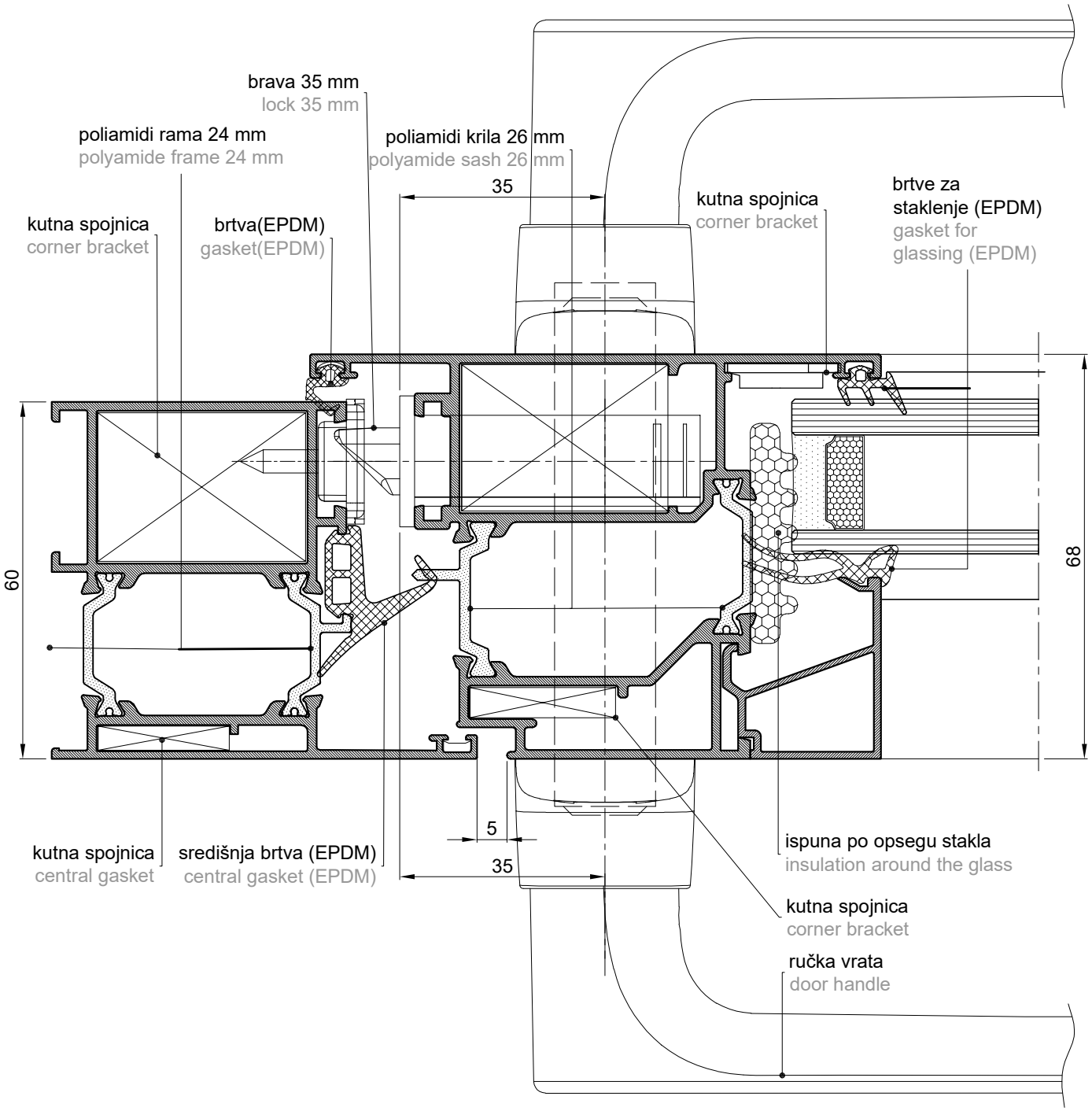
-material	EN AW-6060
-mass OZ sash	130 kg
-possible infill depth	4-54 mm
-air permeability	EN 12207 (klasa 4)
-watertightness	EN 12208 (klasa E900)
-airborne sound insulation	DIN 4109 (Rw=39 dB)
-protection againist burglary	EN 1627 (RC2)
-Uw calculation	DIN EN ISO 10077-2 (≥1,2 Wm²/K)
-wind resistance	EN 12210 (klasa C44/B4)
-materail for sealing (EPDM)	DIN 7863
-surface processing	DIN 17611
-quality control	DIN EN ISO 9001


68
26
22
6
60
8
brtva prema staklu (EPDM)
gasket to the glass(EPDM)
kutna spojnica
corner bracket
ispuna po opsegu stakla
isolation around the glass
kutna spojnica
corner bracket
središnja brtva (EPDM)
central gasket (EPDM)
maska za
drenažni otvor
drainage slot mask
poliamidi rama 24 mm
polyamide frame 24 mm
kutna spojnica
corner bracket
poliamidi krila 26 mm
polyamide sash 26 mm
kutna spojnica
corner bracket
eurožlijeb 15/20
eurogroove 15/20
kutna spojnica
corner bracket
brtva (EPDM)
gasket (EPDM)
kutna spojnica
corner bracket

Sistem ravnih linija vrata System straight lines door

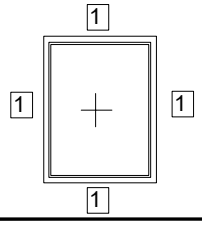
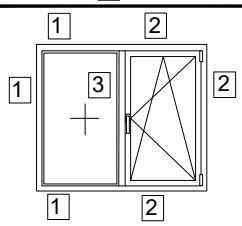
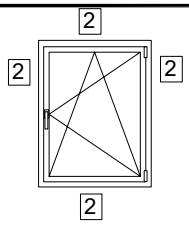
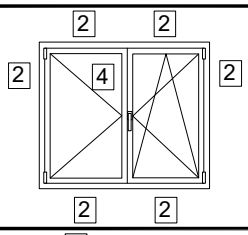
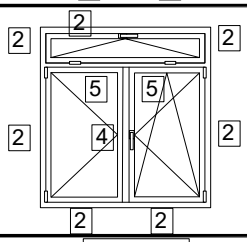
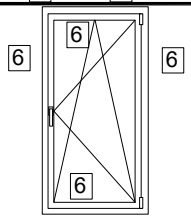
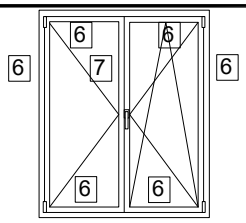


Sistem ravnih linija vrata System straight lines door



Ispitivanja i certifikati
Testing and certificates

ISPITIVANJA I CERTIFIKATI TEST AND CERTIFICATES					
Vrsta ispitivanja Type of test	Jednokrilni prozor Single window	Dvokrilni prozor Double window	Dvokrilni prozor s nadsvijetlom Double window with vent.	Jed.balk.vrata Single balcony door	Jedn. vrata otv. vani Single door
Zrakopropusnost Air permeability EN12207	**class 4**	**class 4**	**class 4**	**class 4**	
Vodonepropusnost Watertightness EN 12208	**E900**	**8A**	**9A**	**9A**	
Vjetronepropusnost Resistance to wind EN 12210	**C4/B4**	**C3/B3**	**C3/B3**	**C4/B4**	
Buka Rw Airborne sound reduction EN ISO 717-1	**39 dB**				**37 dB**
Protuprovalnost Protection againist burglary EN 1627	**RC2**				
Pendtl test Impact resistance test EN 13049	**3**				
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je **Uw=1.2 [W/m^{2}K]** Thermal conductivity windows, in accordant with EN ISO 10077-1, je **Uw=1.2 [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
	-fiksno -fixed filed (1230x1480)	**1.8** *** 2.5**							0,7	≥1.0 * ≥1,2
									1,1	≥1,4 * ≥1,5
	-otkl.-zao.s fiks. dijelom -tilt & turn with fixed field (1600x1480)	**1.8** *** 2.5**	**2.0** *** 2.5**	**1.9** *** 2.4**					0,7	≥1.2 * ≥1.4
									1,1	≥1.5 * ≥1.7
	-otklopno -zaokretno - tilt & turn window (1230x1480)		**2.0** *** 2.5**						0,7	≥1.2 * ≥1.4
									1,1	≥1.5 * ≥1.6
	-dvokrilno otklopno -zaokretno -double sash tilt & turn window (1600x1480)		**2.0** *** 2.5**		**2.2** *** 2.5**				0,7	≥1.3 * ≥1.5
									1,1	≥1.6 * ≥1.7
	-dvokrilno otkl.-zaok. s nadsvijetlom -double sash tilt & turn with overhead op. (1600x1980)		**2.0** *** 2.5**		**2.2** *** 2.5**	**2.1** *** 2.4**			0,7	≥1.3 * ≥1.5
									1,1	≥1.6 * ≥1.8
	-balkonska vrata -balcony door (1100x2200)						**1.9** *** 2.6**		0,7	≥1.2 * ≥1.4
									1,1	≥1.5 * ≥1.7
	-dvokrilna balkonska vrata -double balcony door (1600x2200)						**1.9** *** 2.6**	**2.0** *** 2.6**	0,7	≥1.3 * ≥1.5
									1,1	≥1.5 * ≥1.8

* Uf i Uw izračuni bez XPS ispuna u profilima

* Uf i Uw calculations without XPS isolation in the profiles

Proračun koeficijenta prolaza topline
Calculation of thermal transmittance

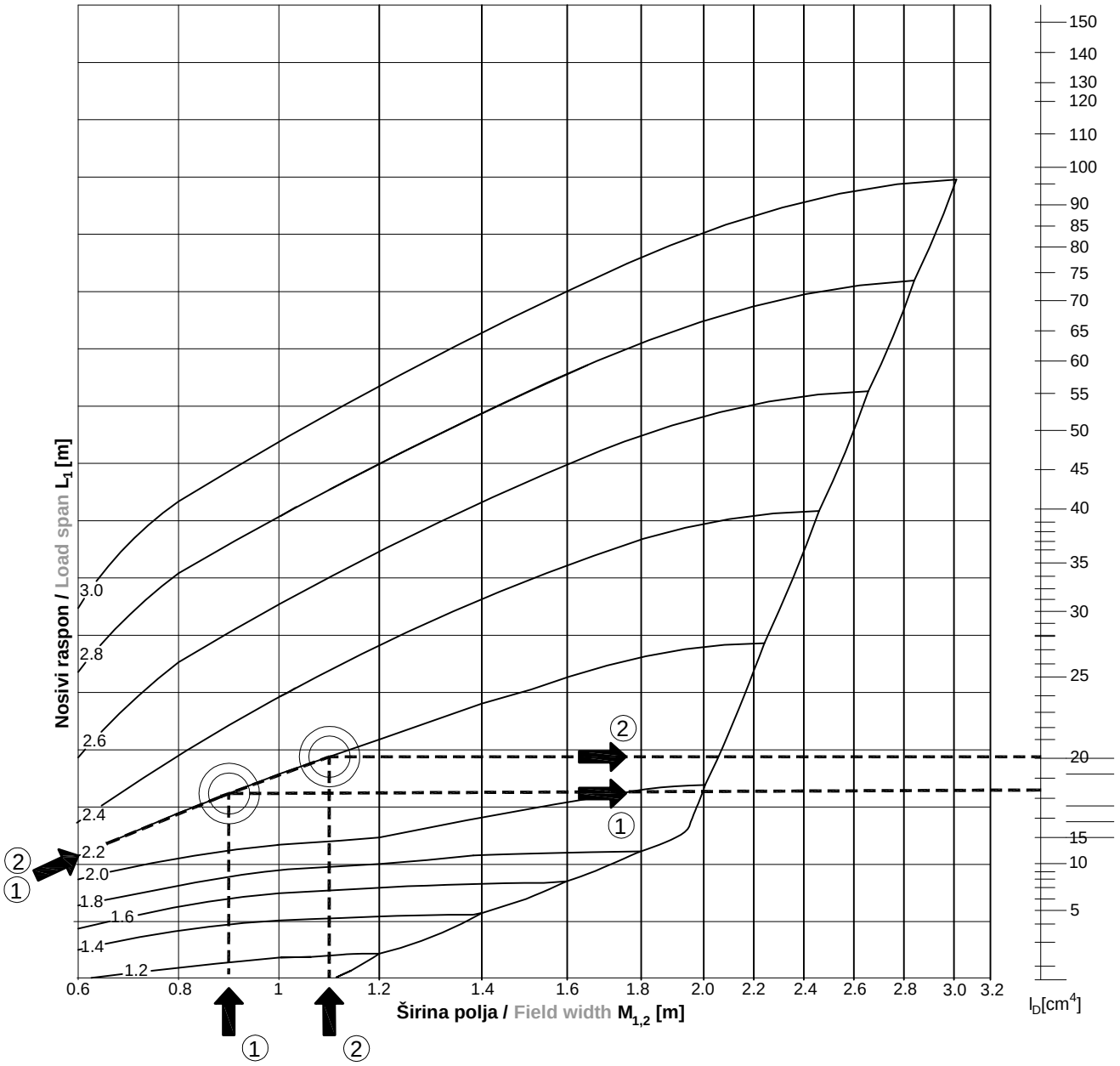
http://termika.feal.ba/

Statički dijagram -opterećenje vjetrom Structural diagram of wind load

Trokutasto i trapeziodno opterećenje Triangular and trapezoidal load

Osnovni uvjeti
Basic assumptions:

Jed. opterećenje 1.0 kN/m² Unit load 1.0 kN/m²
fdop. / adm. =L / 200



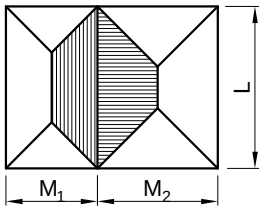
Statički dijagram -opterećenje vjetrom Structural diagram of wind load
Trokutasto i trapeziodno opterećenje Triangular and trapezoidal load

Primjer primjene dijagrama opterećenja Example of load diagram application

1. Ulazni podaci / Input data:

Nosivi raspon / Load span:
L= 2.20 m

Širina polja / Field width:
M_1= 0,9 m
M_2=1,1 m



Tlak vjetra*
Wind pressure*= 0.9 kN/m²
Podtlak vjetra*
Wind suction*= -0.7 kN/m²

2. Određivanje potrebnog momenta Ix pod jediničnim opt. 1.0 kN/m²
Determination of required moment Ix under unit load 1.0 kN/m²

Vrijednosti momenata inercije iz dijagrama
Values of moment of inertia from diagram :

I_{D1}= 18 cm⁴ (①dijagram / diagram)

I_{D2}= 20 cm⁴ (②dijagram / diagram)

Zbroj s obje strane
Sum of both sides: I_D= 38 cm⁴

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

Pretpostavljeni tlak vjetra*/ Wind pressure assumed*
w_p= 0.9 kN/m²
potrebni / required $I_x = w_p \cdot I_D = 0.9 \cdot 38$ cm⁴ = 34 cm⁴

Pretpostavljeni podtlak vjetra*/ Wind suction assumed*
w_s= -0.7 kN/m²
potrebni / required $I_x = w_s \cdot I_D = (-0.7) \cdot 38$ cm⁴ =-26.6 cm⁴

*opterećenje vjetrom mora biti izračunato prema važećim standardima te poziciji i obliku građevine
*the wind load must be determined according to the valid standards and to the position and shape of the building.

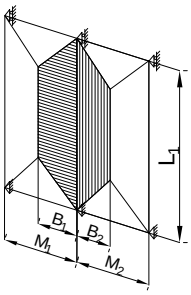
4. Odabire se veća apsolutna vrijednost: 34 cm⁴
Greater absolute value is selected: 34 cm⁴

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

Statičke jednadžbe Structural formulas

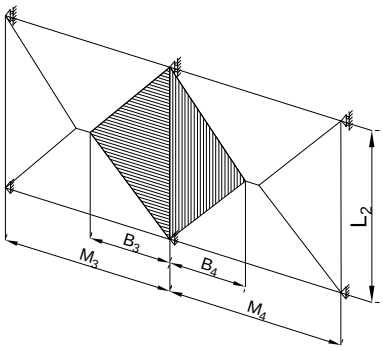
Trapezoidno opterećenje

$M_{1,2} < L_1$



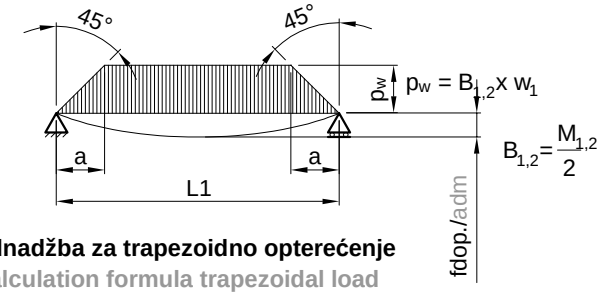
Trokutasto opterećenje

$M_{3,4} \geq L_2$

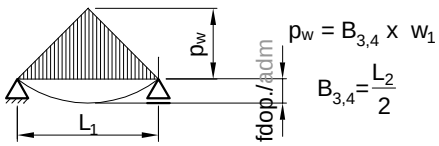


I_x (cm⁴) = Moment inercije / Moment of inertia
$L_{1,2}$ (cm) = Nosivi raspon opterećenja / Load span
$B_{1,2}$ (cm) = Širina opterećenja trapezoidnog opterećenja / Load width of trapezoidal load $B_{1,2}=M_{1,2}/2$
$B_{3,4}$ (cm) = Širina opterećenja trokutasto opterećenja / Load width of triangular load $B_{3,4}=L_2/2$
w_p (kN/cm²) =Tlak vjetra / Wind pressure
w_s (kN/cm²) =Podtlak vjetra / Wind suction
p_w (kN/cm) = Linijsko opterećenje / Line load
E (kN/cm²) = Modul elastičnosti / Modulus of elasticity $7 \cdot 10^3$
fdop. / adm. (cm) = dopušteni progib / adm. deflection

Statitički sistem trapezoidnog opterećenja
Structural system trapezoidal load



Statički sistem trokutastog opterećenja
Statical system triangular load



Jednadžba za trapezoidno opterećenje
Calculation formula trapezoidal load

$$Ix = \frac{pw \cdot L_1^4 \, T}{1920 \cdot E \cdot fdop./adm.} \cdot \left(25 - 40 \frac{a^2}{L_1^2} + 16 \frac{a^4}{L_1^4}\right)$$

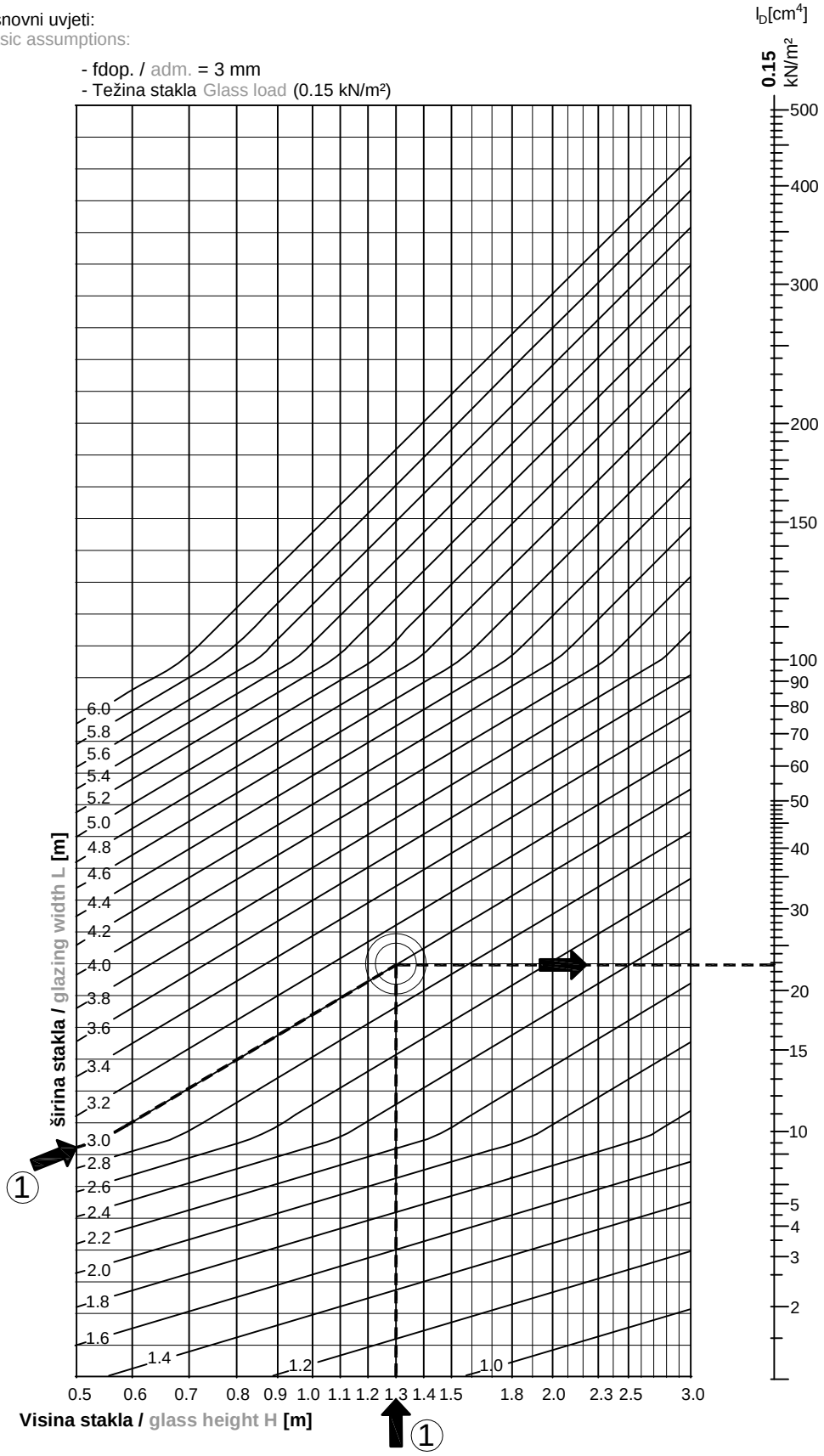
Jednadžba za trokutasto opterećenje
Calculation formula triangular load

$$Ix = \frac{pw \cdot L_2^4}{120 \cdot E \cdot fdop./adm.}$$

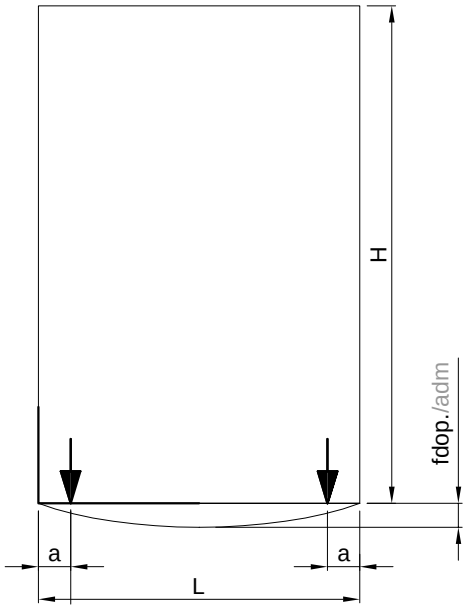
Statički dijagram Težina stakla Structural diagram glass load

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 stakla / Glass width:
L= 3.00 m

Visina stakla / Glass height:
H = 1.30 m

Debljina stakla/ Glass 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 cm^4 (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

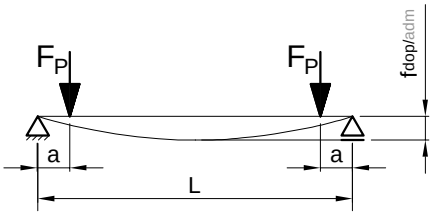
Potrebni / required $Iy=K_{20} \cdot Iy_{0.15}$ = (3.33) · 23 cm^4 =77 cm^4

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

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

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

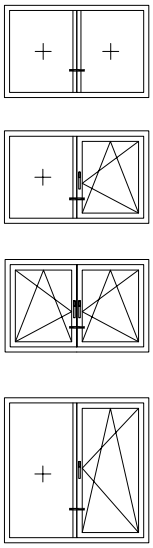
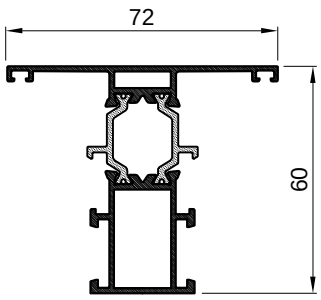
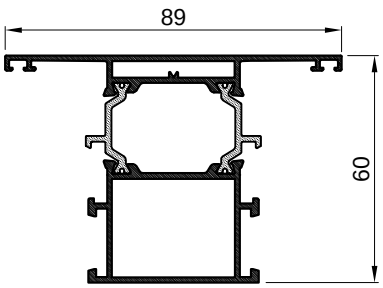
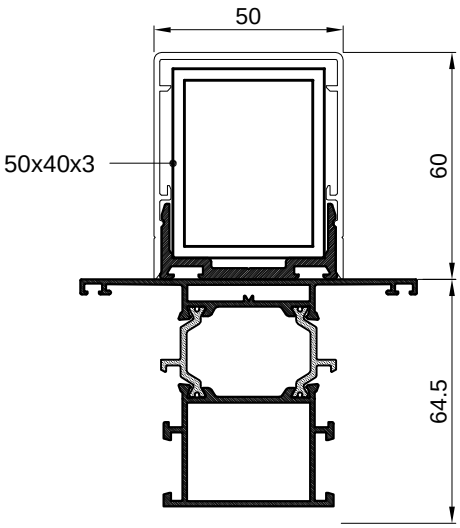
I_y	(cm^4) = Moment inercije / Moment of inertia
F_P	(kN) = Pojedinačno opterećenje / Single load
a	(cm) = Udaljenost oslonca / Support distance
H	(cm) = Visina stakla / Glass height
L	(cm) = Širina stakla / Glass width
q_S	(kN/cm²) = Težina stakla / Glass weight
fdop. / adm.	(cm) = dop.progib / adm.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

Tablica 1. Težina stakla
Table 1. Glass weight

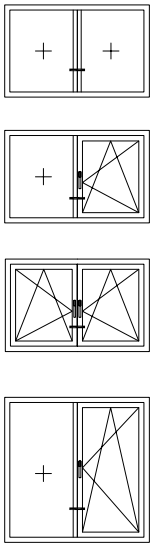
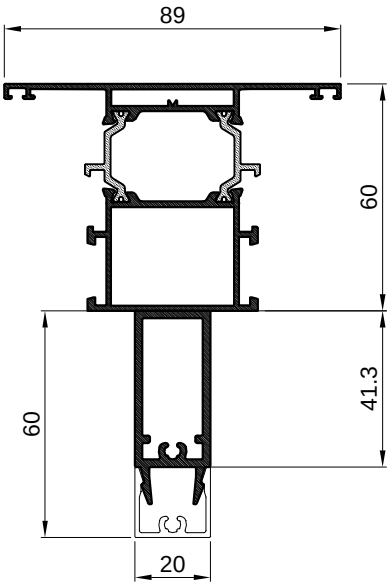
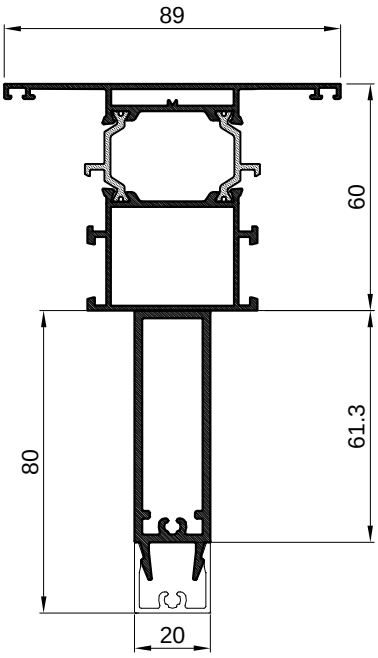
Koeficijent K Coefficient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5,66	6	6.33	6.66	7	7.33	7.66	8
kN/m^2	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m^2	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115	120	125
Deblj. 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

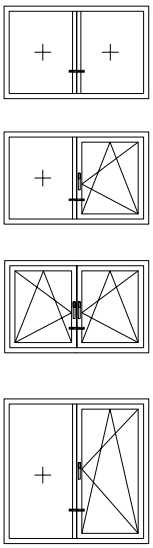
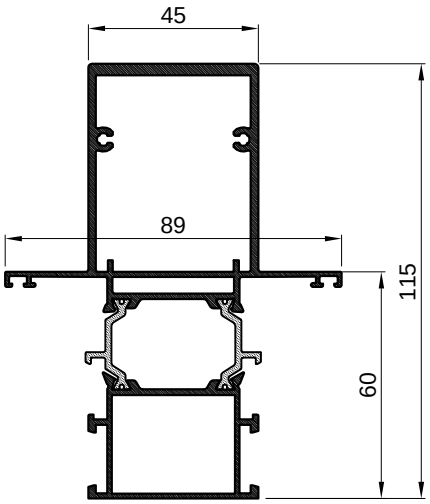
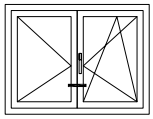
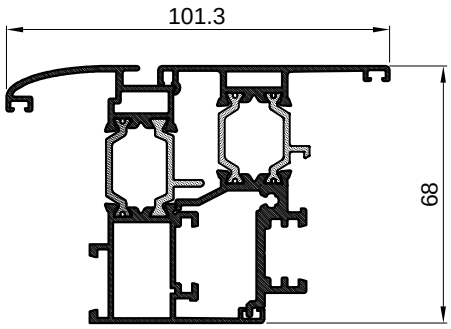
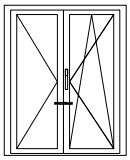
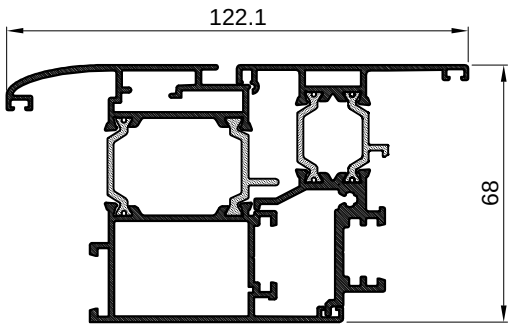
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	Ix (cm^4)	Iy (cm^4)
	**FT-0621**		12.84	6.82
	FT-0622		16.8	16.76
	FT-0622+ čel.profil 50x40x3		26.04	22.27

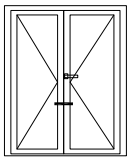
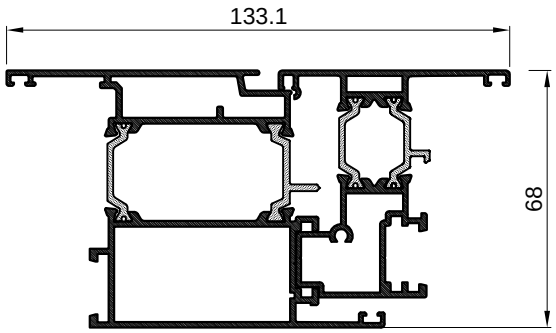
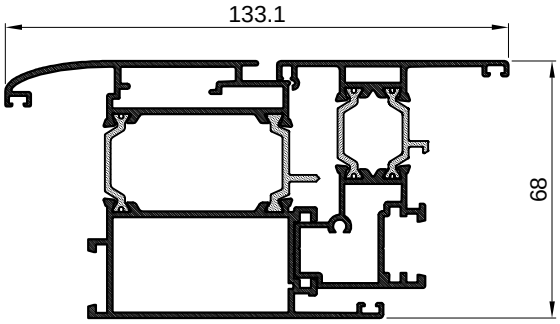
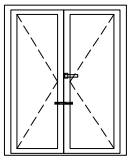
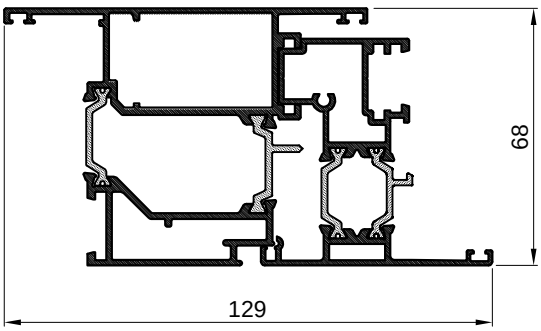
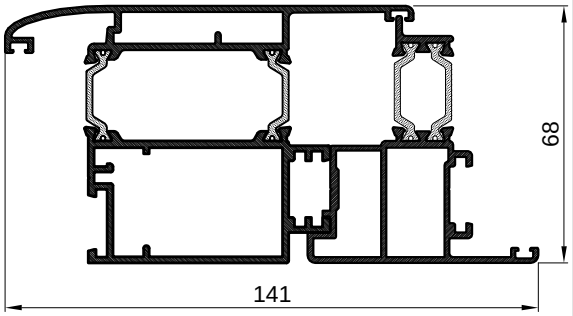
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	Ix (cm^4)	Iy (cm^4)
	**FT-0622+ F-1634**		75.91	18.45
	FT-0622+ NP-4183		119.01	19.1

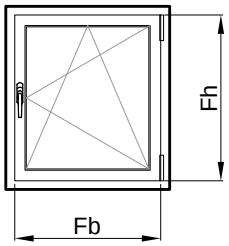
Vrijednosti momenta inercije
Moment of inertia values

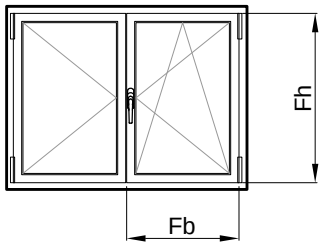
Tip otvaranja Opening type	Profili Profiles	Izgled View	Ix (cm^4)	Iy (cm^4)
	**FT-0624**		87.58	30.04
	**FT-0622** **+** **FT-0635**		30.49	12.76
	**FT-0615** **+** **FT-0635**		38.71	26.7

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Profili Profiles	Izgled View	Ix (cm^4)	Iy (cm^4)
	**FT-0650 + FT-0631**		42.48	37.25
	FT-0613 + FT-0631		42.78	39.53
	**FT-0619 + FT-0631**		41.26	34.83
	FT-0614 + FT-0632		43.5	54.09

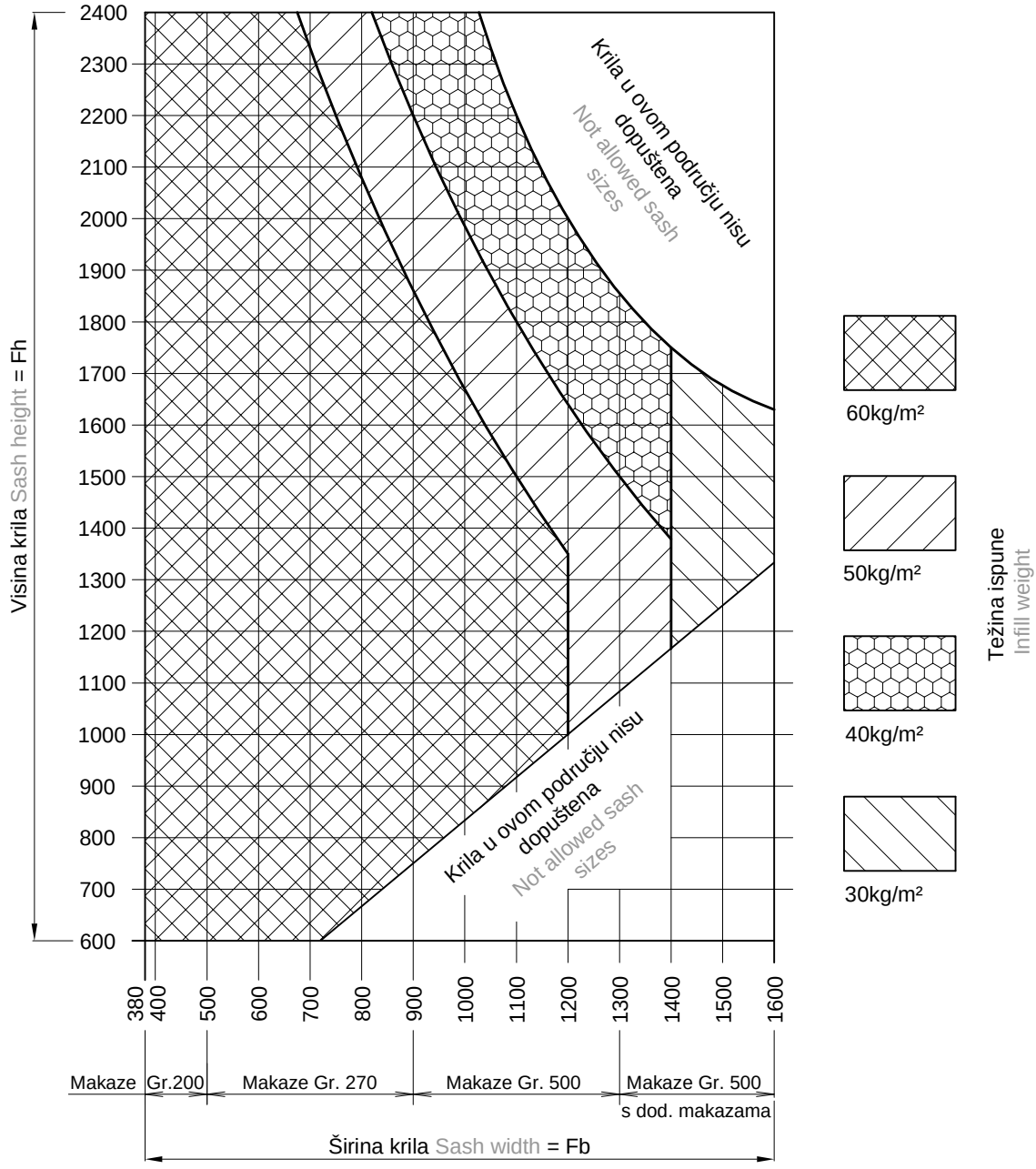
- DIJAGRAM ZA GLAVNO KRILO OTKLOPNO-ZAOKRETNOG MEHANIZAMA - "EUGEN NOTTER AL 2000"
- DIAGRAM FOR MAIN SASH OF TILT-TURN MECHANISM - "EUGEN NOTTER AL 2000"





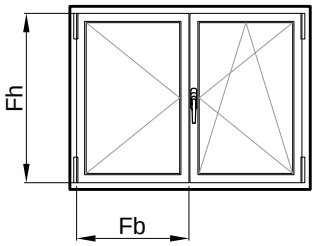
Dijagram za izbor dopuštene veličine krila
za težinu od 100 Kg

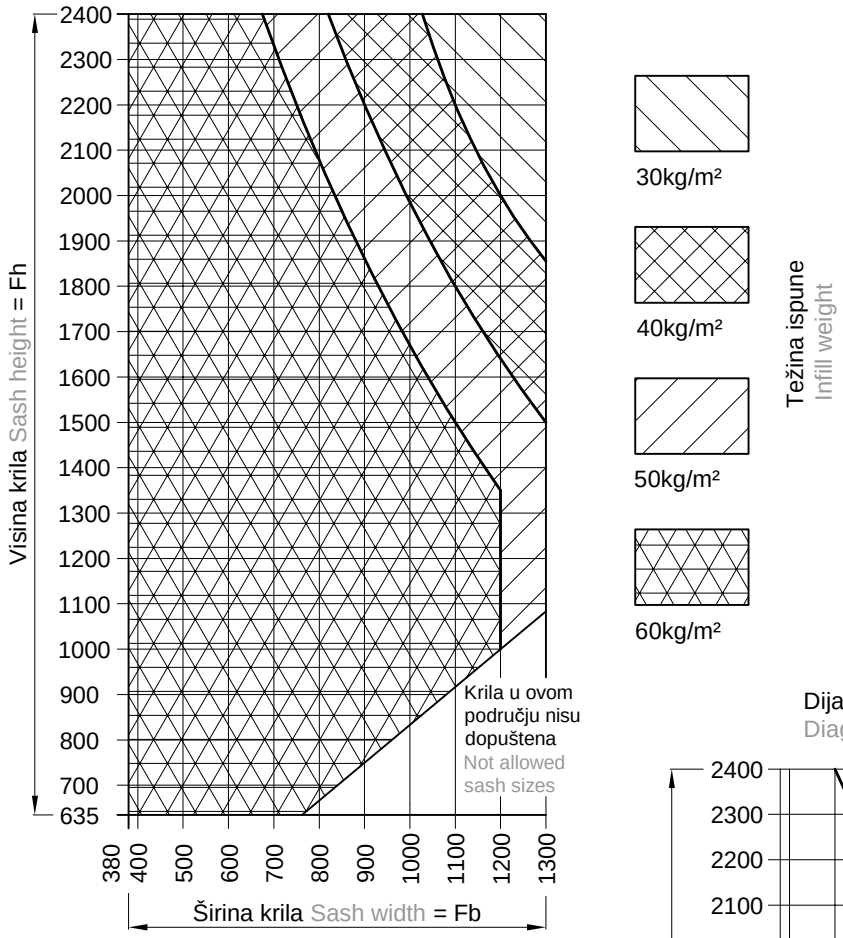
Diagram for selection of allowed sash size
for weight of 100 Kg



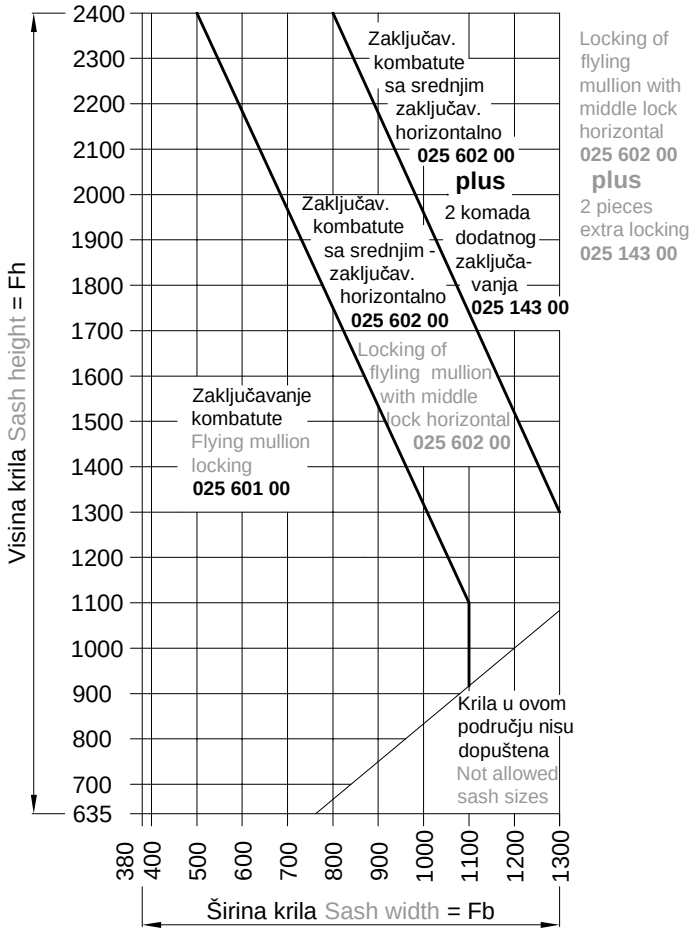
- DIJAGRAM ZA POMOĆNO KRILO OTKLOPNO-ZAOKRETNOG MEHANIZAMA - "EUGEN NOTTER AL 2000"
- DIAGRAM FOR AUXILIARY SASH OF TILT-TURN MECHANISM - "EUGEN NOTTER AL 2000"

Dijagram za izbor dopuštene visine pomoćnog krila maksimalna težina krila 100kg
Diagram for selection of allowed height of auxiliary sash maximal weight 100kg





Dijagram za izbor varijante okova
Diagram for selection of hardware

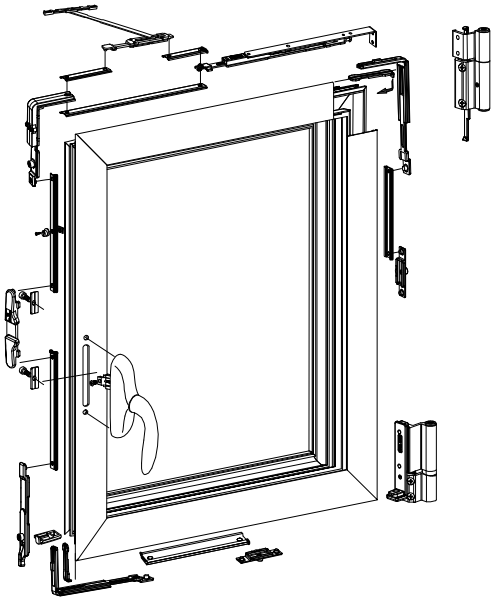


134.000.xx - OTKLOPNO-ZAOKRETNI MEHANIZAM - STUBLINA (4035)
134.000.xx - TILT-TURN MECHANISM - STUBLINA (4035)

Maksimalna težina krila 100 kg
Maximum sash weight 100 kg

Tabela nosivosti za:
Table of loads:

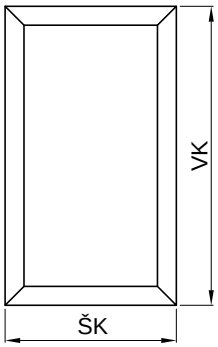
4030.00, 4035.00
4031.00, 4036.00
4032.00, 4037.00
4033.00, 4038.00



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



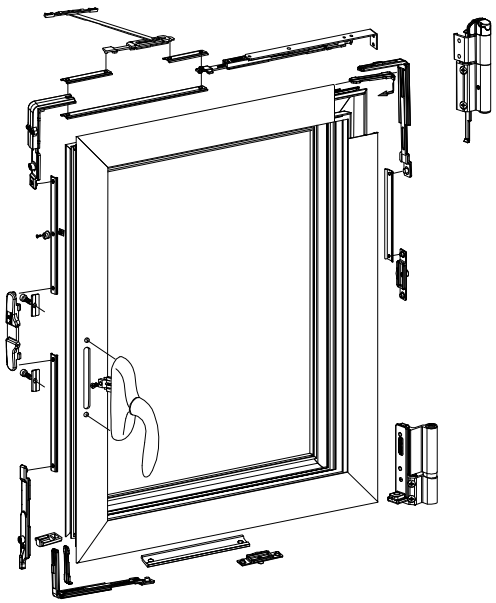
Debljina stakla
Glass thickness

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

Tabela nosivosti za:
Table of loads:

4030.00U, 4035.00U
4031.00U, 4036.00U
4032.00U, 4037.00U
4033.00U, 4038.00U

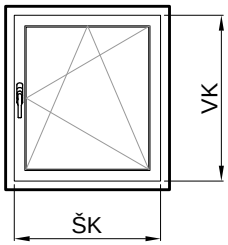


Debljina stakla (mm)
Glass thickness (mm)

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 **130** kg
Maximum
sash weight **130** 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)

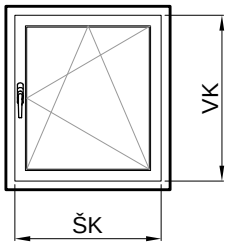
VK(mm) / ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
3000	130	130	130	130	130	130	130	130	130	130	130	130	130	x
2900	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2800	130	130	130	130	130	130	130	130	130	130	130	130	130	130
2700	130	130	130	130	130	130	130	130	130	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
HIDDEN 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	35	29	25	22	19	17	16	14	13	12	12	x
2700	37	31	26	23	20	18	17	15	14	13	12	x
2600	39	32	28	24	21	19	18	16	15	14	13	12
2500	43	35	30	27	24	21	19	18	16	15	14	13
2400	43	35	30	27	24	21	19	18	16	15	14	13
2300	44	37	32	28	25	22	20	18	17	16	15	14
2200	46	39	33	29	26	23	21	19	18	17	15	14
2100	49	40	35	30	27	24	22	20	19	17	16	15
2000	51	43	36	32	28	26	23	21	20	18	17	16
1900	54	45	38	34	30	27	24	22	21	19	18	17
1800	57	47	40	35	31	28	26	24	22	20	19	18
1700	60	50	43	38	33	30	27	25	23	21	20	18
1600	60	53	46	40	35	32	29	27	25	23	21	18
1500	60	57	49	43	38	34	31	28	26	24	21	18
1400	60	60	52	46	40	36	33	30	28	24	21	18
1300	60	60	56	49	44	39	36	33	28	24	21	18
1200	60	60	60	53	47	43	39	33	28	24	21	x
1100	60	60	60	58	52	46	39	33	28	24	x	x
1000	60	60	60	60	57	47	39	33	28	x	x	x
900	60	60	60	60	58	47	39	33	x	x	x	x
800	60	60	60	60	58	47	39	x	x	x	x	x
700	60	60	60	60	58	47	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	124	124	124	124	124	124	124	124	124	124	124	x
2700	126	126	126	126	126	126	126	126	126	126	126	x
2600	128	128	128	128	128	128	128	128	128	128	128	128
2500	130	130	130	130	130	130	130	130	130	130	130	130
2400	130	130	130	130	130	130	130	130	130	130	130	130
2300	130	130	130	130	130	130	130	130	130	130	130	130
2200	130	130	130	130	130	130	130	130	130	130	130	130
2100	130	130	130	130	130	130	130	130	130	130	130	130
2000	130	130	130	130	130	130	130	130	130	130	130	130
1900	130	130	130	130	130	130	130	130	130	130	130	130
1800	130	130	130	130	130	130	130	130	130	130	130	130
1700	130	130	130	130	130	130	130	130	130	130	130	127
1600	130	130	130	130	130	130	130	130	130	130	127	119
1500	130	130	130	130	130	130	130	130	130	128	119	112
1400	130	130	130	130	130	130	130	130	129	119	111	104
1300	130	130	130	130	130	130	130	130	119	111	103	97
1200	130	130	130	130	130	130	130	129	110	102	95	x
1100	130	130	130	130	130	130	119	109	101	94	x	x
1000	130	130	130	130	130	119	108	99	92	x	x	x
900	130	130	130	130	119	107	98	90	x	x	x	x
800	130	130	130	119	106	95	87	x	x	x	x	x
700	130	130	119	104	93	84	x	x	x	x	x	x

600

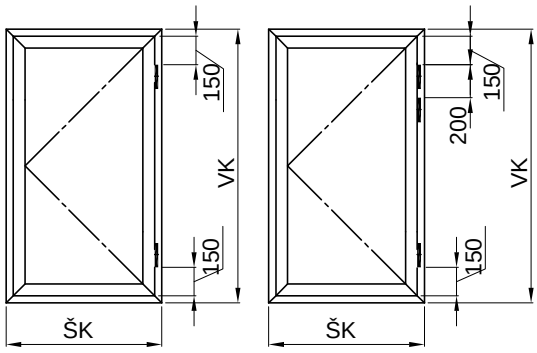
470

Maksimalna težina krila **130** kg
Maximum sash weight **130** kg

x **Neizvedivo** / Unfeasible

x **Neizvedivo** / Unfeasible

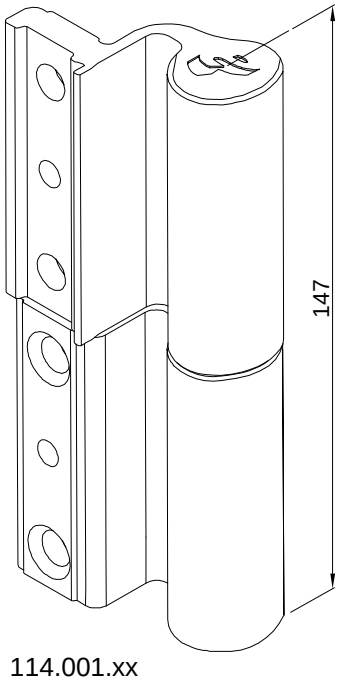
- TABLICE NOSIVOSTI SPOJNICA
- TABLE OF LOADS FOR HINGES



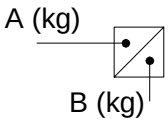
Napomena:Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.
Note:If three hinges are used as recommended, the load capability is increaced 10%

Tablica nosivosti spojnice 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						

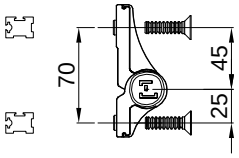
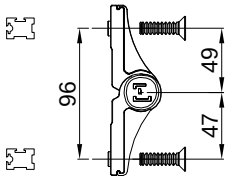
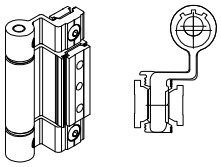
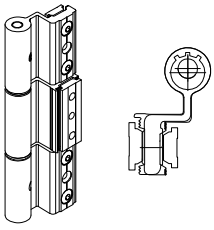


114.001.xx

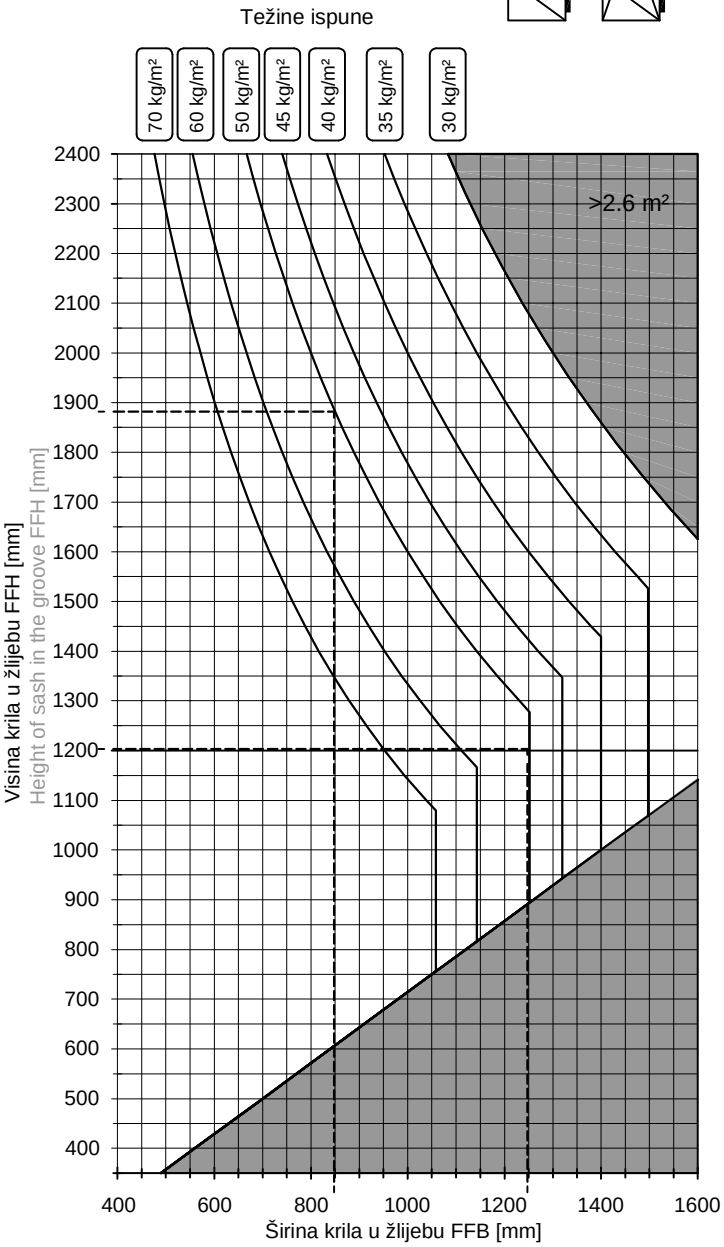


A - javna upotreba sa dvije spojnice
A - public use with two hinges
B - privatna upotreba sa dvije spojnice
B - private use with two hinge

- TABLICE NOSIVOSTI SPOJNICA
- TABLE OF LOADS FOR HINGES

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost 2 spojnice 2 hinges	Nosivost 3 spojnice 3 hinges
113.009.01 .02 .03		- Dvodijelna šarka OSNO 70 - Oznaka proizvođača ALU-B: Max3D 70 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge OSNO 70 - Manufacturer code ALU-B: Max3D 70 - Color: 01- white; 02 - gray;03 - black	120 kg	160 kg
113.011.01 .02 .03		- Dvodijelna šarka OSNO 96 - Stara oznaka: Max3D 94 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge OSNO 96 - Former code: Max3D 94 - Color: 01- white; 02 - gray;03 - black	120 kg	160 kg
114.005.01 .02 .03		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2129.00 - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2129.*00*	90 kg	100 kg
114.006.01 .02 .03		- Trodijelna šarka-*EURO ŽLIJEB* - Oznaka proizvođača Stublina: 2124.00 - Three-part hinge-*EURO GROOVE* - Manufacturer code Stublina: 2124.*00*	100 kg	110 kg

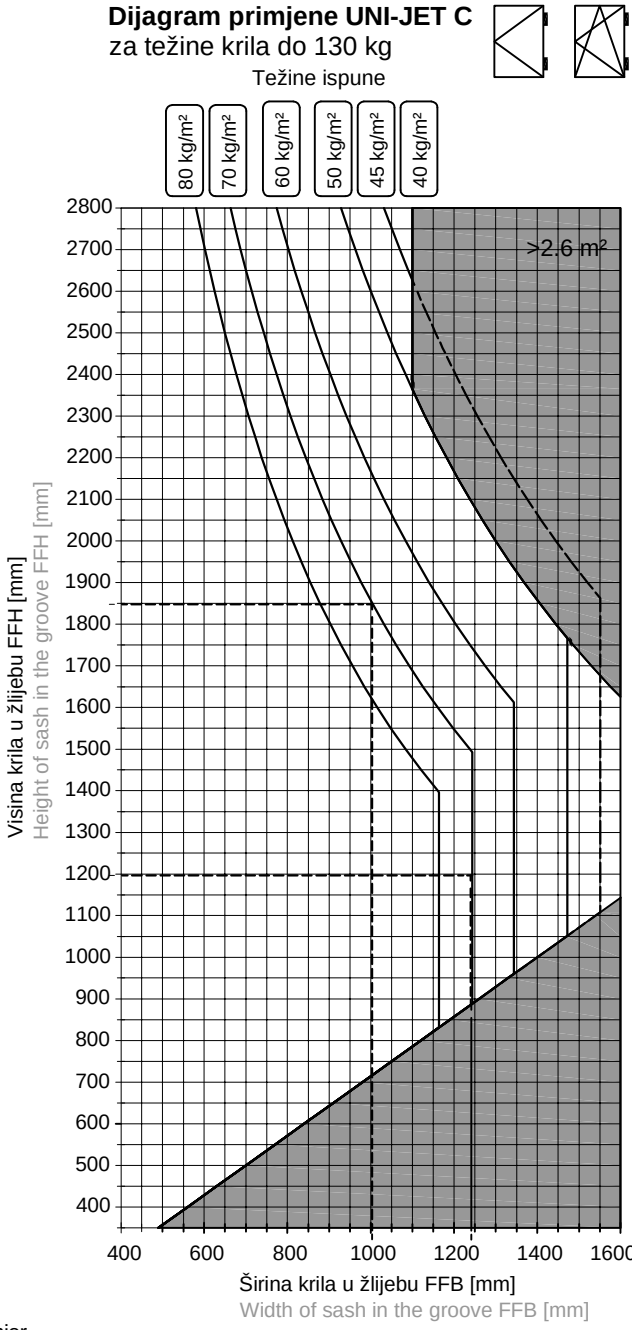
Dijagram primjene UNI-JET C
za težine krila do 80 kg



Primjer :
Težina krila = 50 kg/m²
Kod širine krila u žlijebu FFB od 850 mm dobijamo maksimalnu visinu krila u žlijebu FFH od 1880 mm.
Kod visine krila u žlijebu FFH od 1200 mm dobijamo maksimalnu širinu krila u žlijebu FFB od 1250 mm.
Napomena
Dozvoljene su dimenzije krila koje se nalaze samo lijevo od krivulje težina. Nedozvoljene dimenzije su sivo zatamnjene. Ovaj dijagram primjene je važeći samo u vezi sa pripadajućim crtežom 0-44708.

Example :
Sash weight = 50 kg/m²
At the width of the wing 850mm in the FFB groove, we get the maximum height of the wing in the FFH groove 1880 mm.
At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1250mm.
Remark
The autorized dimensions of the wings are located just to the left of the weight curve.
The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

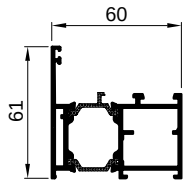
Dijagram primjene UNI-JET C
za težine krila do 130 kg



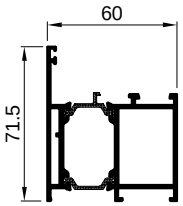
Primjer
Težina krila = 70 kg/m²
Kod širine krila u žlijebu FFB od 1000 mm dobijamo maksimalnu visinu krila u žlijebu FFH od 1850 mm.
Kod visine krila u žlijebu FFH od 1200 mm dobijamo maksimalnu širinu krila u žlijebu FFB od 1240 mm.
Napomena
Dozvoljene su dimenzije krila koje se nalaze lijevo od kriv. težina. Nedozvoljene dimenzije su sivo zatamnjene.Ovaj dijagram primjene je važeći samo u vezi sa pripadajućim crtežom 0-44708.

Example
Sash weight = 70 kg/m²
At the width of the wing 1000 mm in the FFB groove, we get the maximum height of the wing in the FFH groove 1850 mm.
At the height of the wing 1200 mm in the FFH groove, we get the maximum width of the sash in the FFH groove 1240mm.
Remark
The autorized dimensions of the wings are located just to the left of the weight curve.
The unauthorized dimensions are gray dimmed. This application diagram is valid only in conjunction with the accompanying drawing 0-44708.

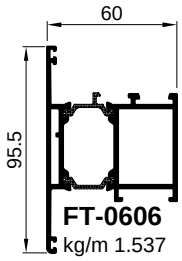
Profili
Profiles



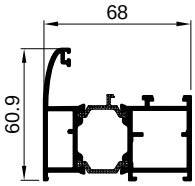
FT-0601
kg/m 1.239



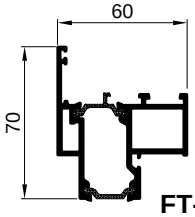
FT-0603
kg/m 1.428



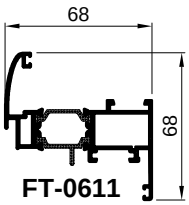
FT-0606
kg/m 1.537



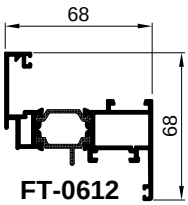
FT-0602
kg/m 1.340



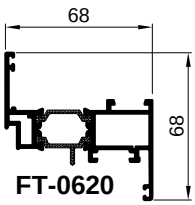
FT-0607
kg/m 1.49



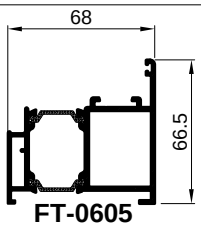
FT-0611
kg/m 1.205



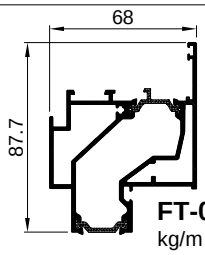
FT-0612
kg/m 1.235



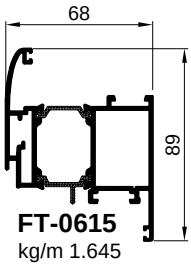
FT-0620
kg/m 1.207



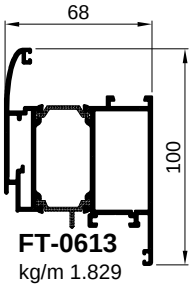
FT-0605
kg/m 1.480



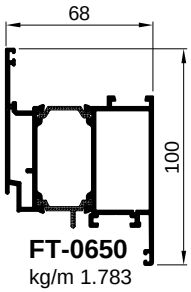
FT-0608
kg/m 2.02



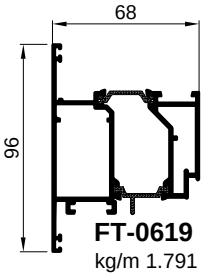
FT-0615
kg/m 1.645



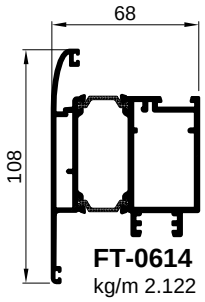
FT-0613
kg/m 1.829



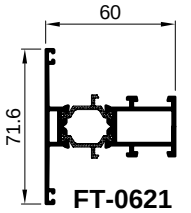
FT-0650
kg/m 1.783



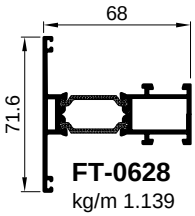
FT-0619
kg/m 1.791



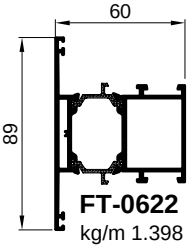
FT-0614
kg/m 2.122



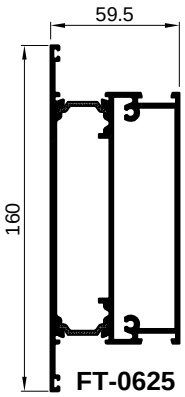
FT-0621
kg/m 1.119



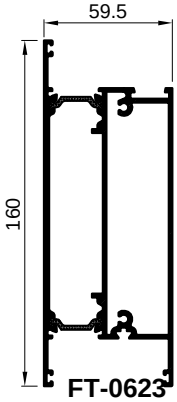
FT-0628
kg/m 1.139



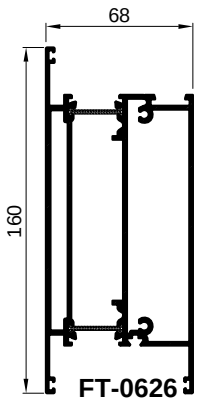
FT-0622
kg/m 1.398



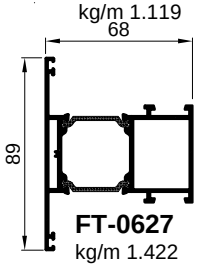
FT-0625
kg/m 2.953



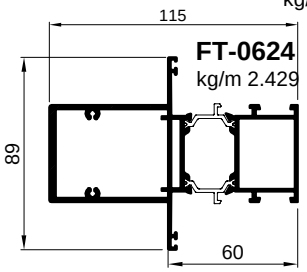
FT-0623
kg/m 3.056



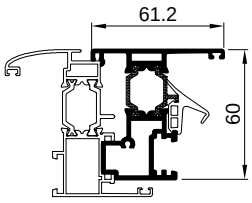
FT-0626
kg/m 3.502



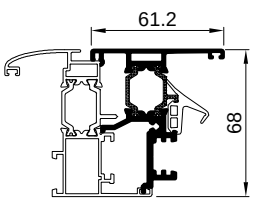
FT-0627
kg/m 1.422



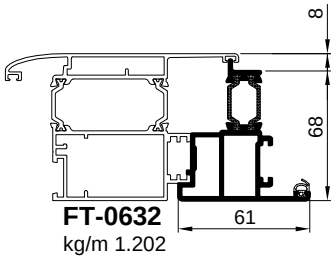
FT-0624
kg/m 2.429



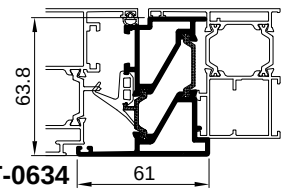
FT-0631
kg/m 1.185



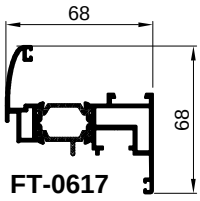
FT-0635
kg/m 1.217



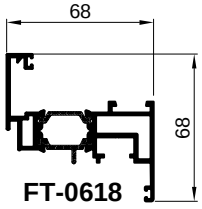
FT-0632
kg/m 1.202



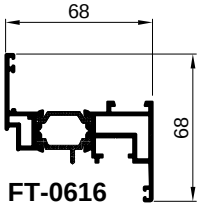
FT-0634
kg/m 1.338



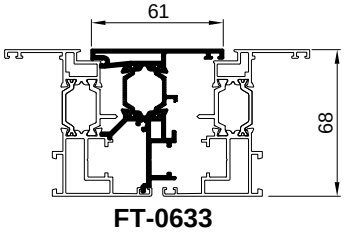
FT-0617
kg/m 1.248



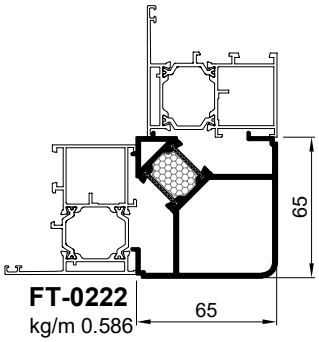
FT-0618
kg/m 1.274



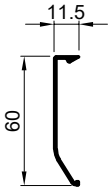
FT-0616
kg/m 1.243



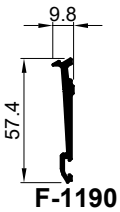
FT-0633
kg/m 1.189



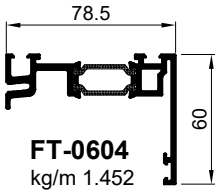
FT-0222
kg/m 0.586



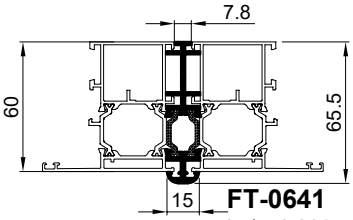
FM-072
kg/m 0.258



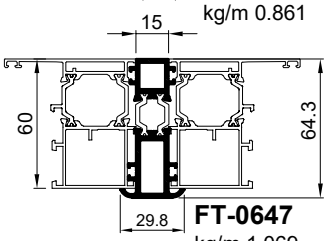
F-1190
kg/m 0.461



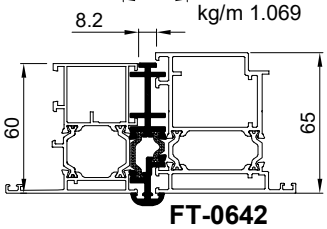
FT-0604
kg/m 1.452



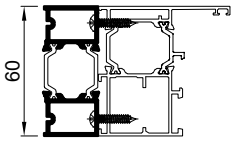
FT-0641
kg/m 0.861



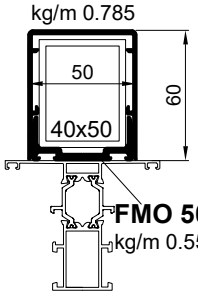
FT-0647
kg/m 1.069



FT-0642
kg/m 0.856

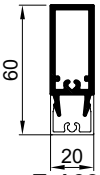


FT-0645
kg/m 0.931

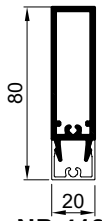


FMO-50/61
kg/m 0.785

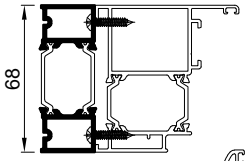
FMO 50/20D
kg/m 0.558



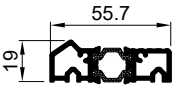
F-1634
kg/m 0.774



NP-4183
kg/m 0.990



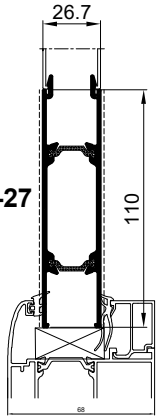
FT-0646
kg/m 0.975



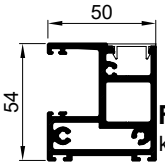
FT-0643
kg/m 0.825



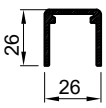
NP-4184
kg/m 0.243



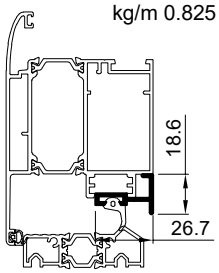
FT-0142-27
kg/m 1.372



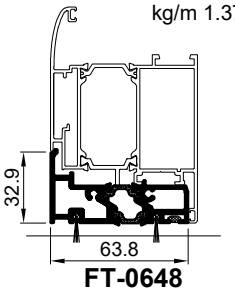
F-1569
kg/m 1.78



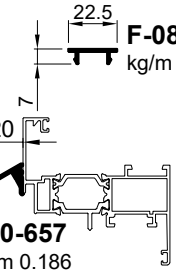
F-1437
kg/m 0.444



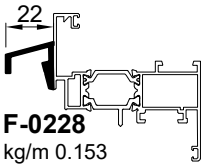
F-0758
kg/m 0.211



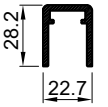
FT-0648
kg/m 0.232



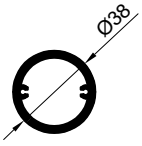
Z40-657
kg/m 0.186



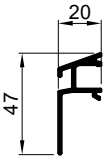
F-0228
kg/m 0.153



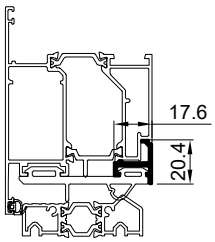
F-1490
kg/m 0.512



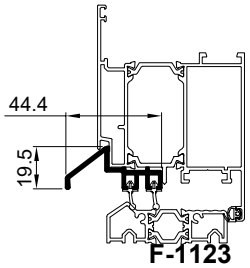
F-0829
kg/m 0.953



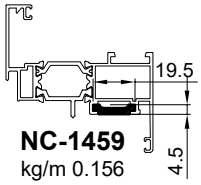
NP-3466
kg/m 0.4



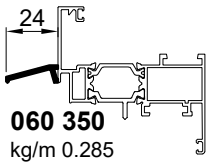
F-1402
kg/m 0.211



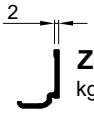
F-1123
kg/m 0.362



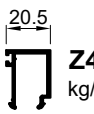
NC-1459
kg/m 0.156



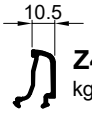
060 350
kg/m 0.285



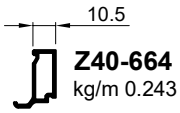
Z40-660
kg/m 0.179



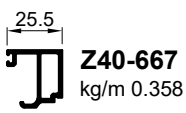
Z40-644
kg/m 0.275



Z40-647
kg/m 0.226



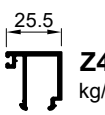
Z40-664
kg/m 0.243



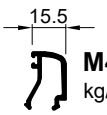
Z40-667
kg/m 0.358



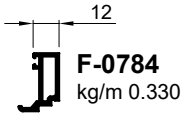
Z40-656
kg/m 0.215



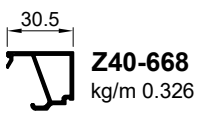
Z40-658
kg/m 0.318



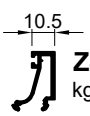
M45-740
kg/m 0.258



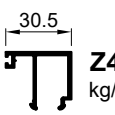
F-0784
kg/m 0.330



Z40-668
kg/m 0.326



Z40-636
kg/m 0.261



Z40-653
kg/m 0.347

Z40-646
kg/m 0.286

Z40-665
kg/m 0.272

Z40-669
kg/m 0.347

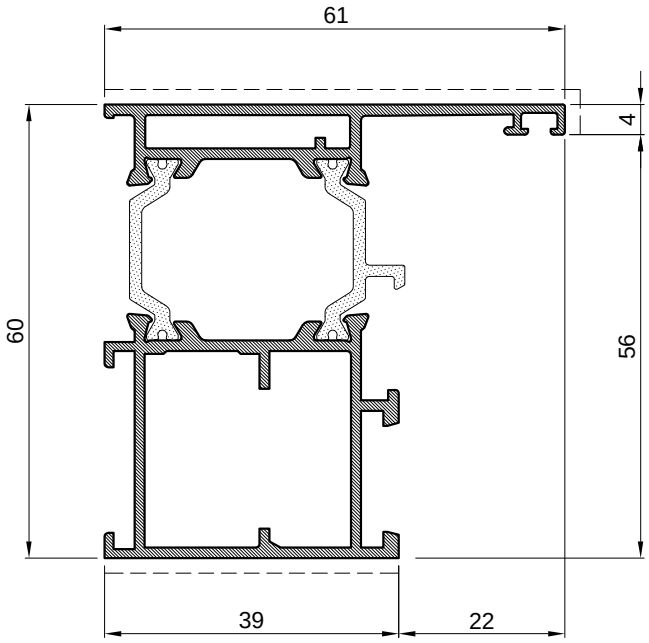
M45-709
kg/m 0.258

Z40-659
kg/m 0.359

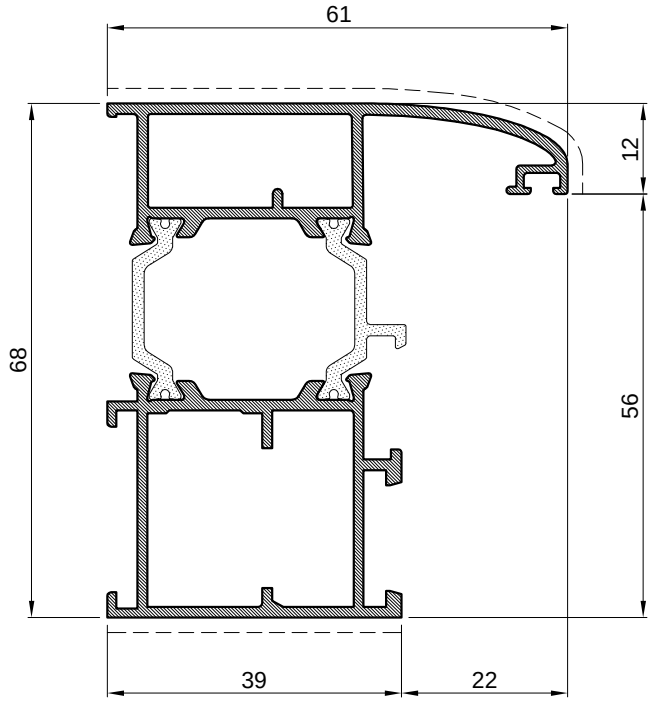
Z40-653/B
kg/m 0.356

Z40-666
kg/m 0.289

Z40-670
kg/m 0.373

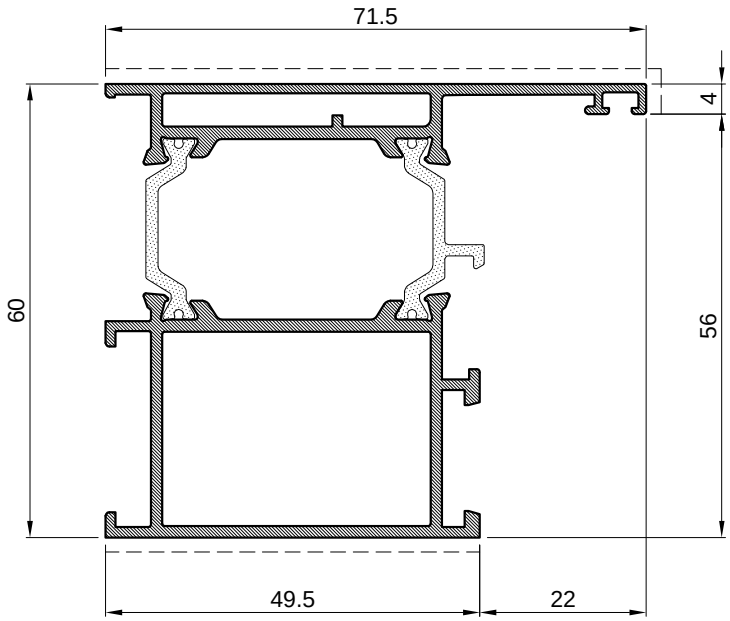


Profil rama Profile frame		
Art.Br. Art.Nr.	**FT-0601**	
Težina Weight	kg/m	1.239
Opseg Perimeter	mm	320
Moment inercije Moment of inertia	Ix (cm4)	14.58
	Iy (cm4)	8.73
	Wx (cm3)	5.77
	Wy (cm3)	2.27
L	mm	6500

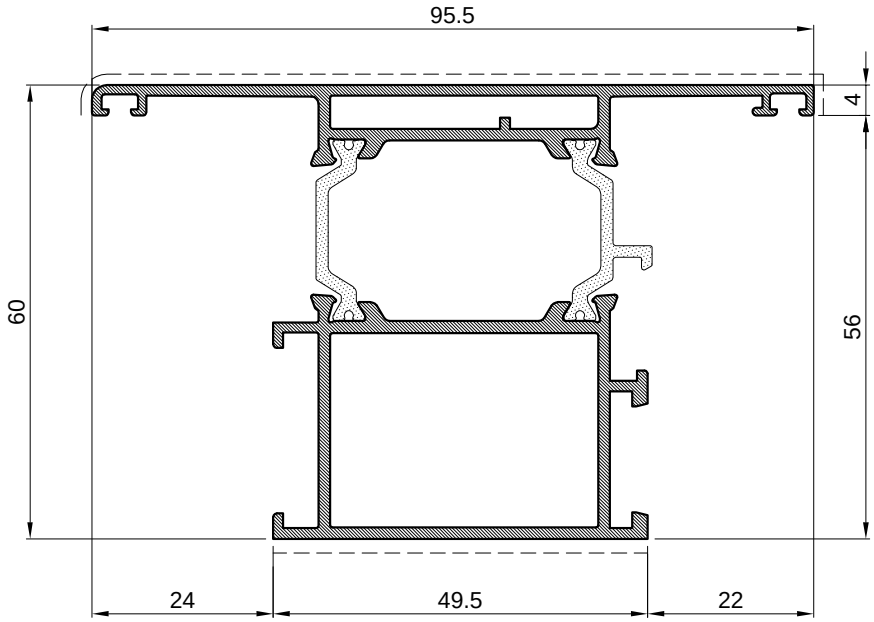


Profil rama Profile frame		
Art.Br. Art.Nr.	**FT-0602**	
Težina Weight	kg/m	1.340
Opseg Perimeter	mm	351
Moment inercije Moment of inertia	Ix (cm4)	18.98
	Iy (cm4)	10.75
	Wx (cm3)	6.8
	Wy (cm3)	2.85
L	mm	6500

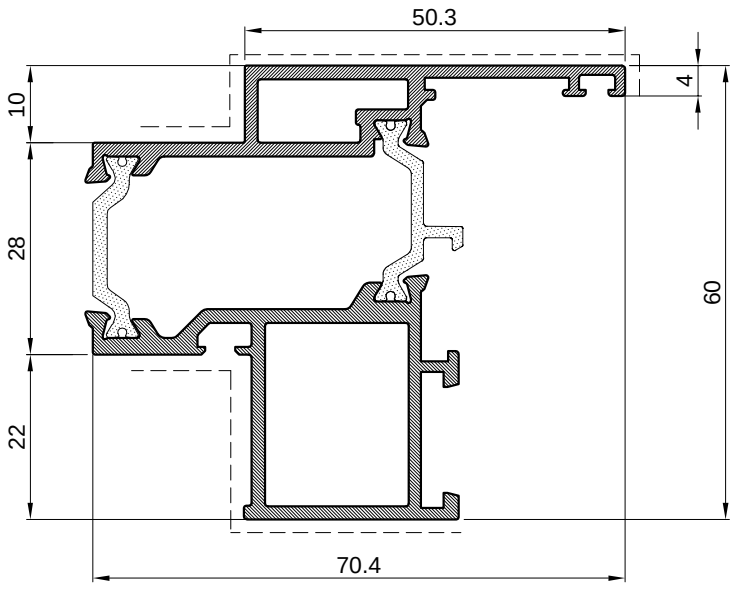
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"



Profil rama Profile frame		
Art.Br. Art.Nr.	**FT-0603**	
Težina Weight	kg/m	1.428
Opseg Perimeter	mm	345
Moment inercije Moment of inertia	Ix (cm4)	17.36
	Iy (cm4)	15.08
	Wx (cm3)	6.91
	Wy (cm3)	3.48
L	mm	6500

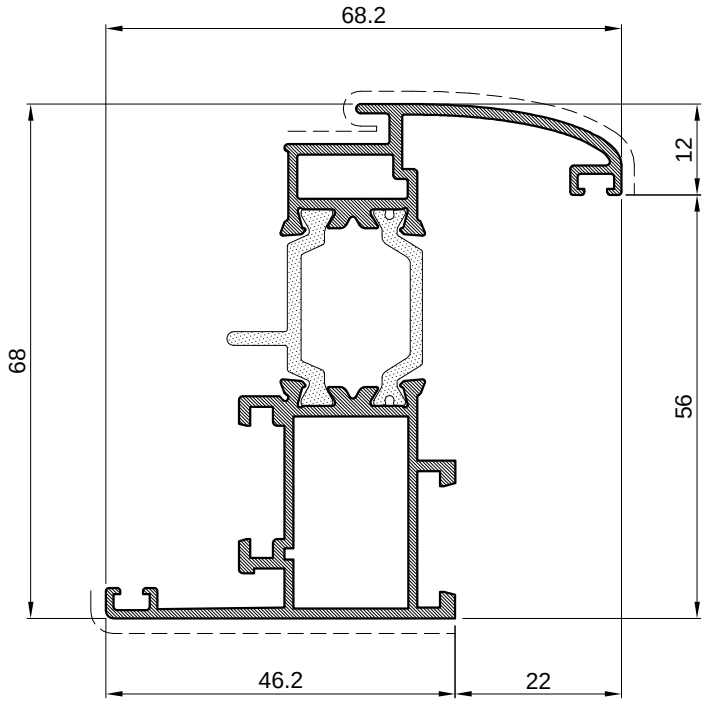


Profil rama Profile frame		
Art.Br. Art.Nr.	**FT-0606**	
Težina Weight	kg/m	1.537
Opseg Perimeter	mm	425
Moment inercije Moment of inertia	Ix (cm4)	19.13
	Iy (cm4)	21.58
	Wx (cm3)	7.21
	Wy (cm3)	4.41
L	mm	6500

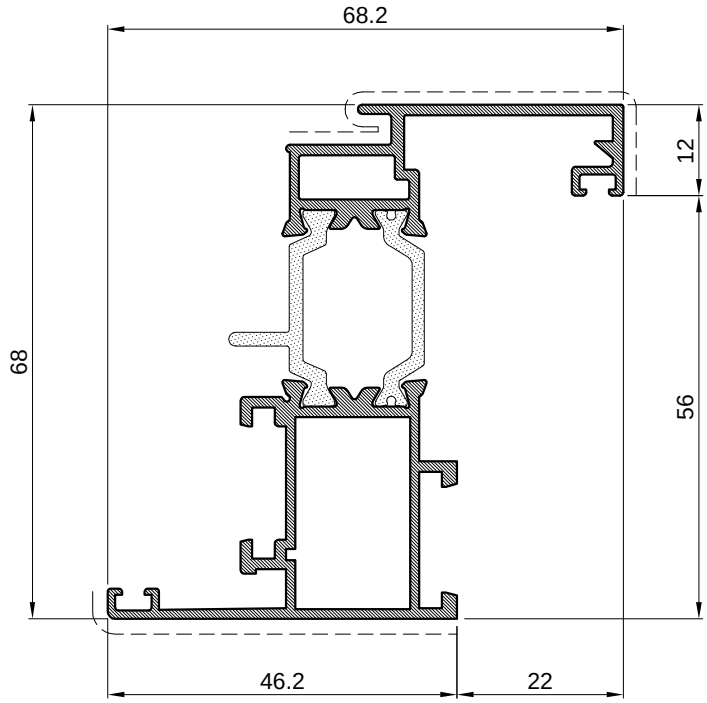


Profil rama Profile frame		
Art.Br. Art.Nr.	**FT-0607**	
Težina Weight	kg/m	1.49
Opseg Perimeter	mm	357
Moment inercije Moment of inertia	Ix (cm4)	14.89
	Iy (cm4)	12.72
	Wx (cm3)	5.86
	Wy (cm3)	3.17
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

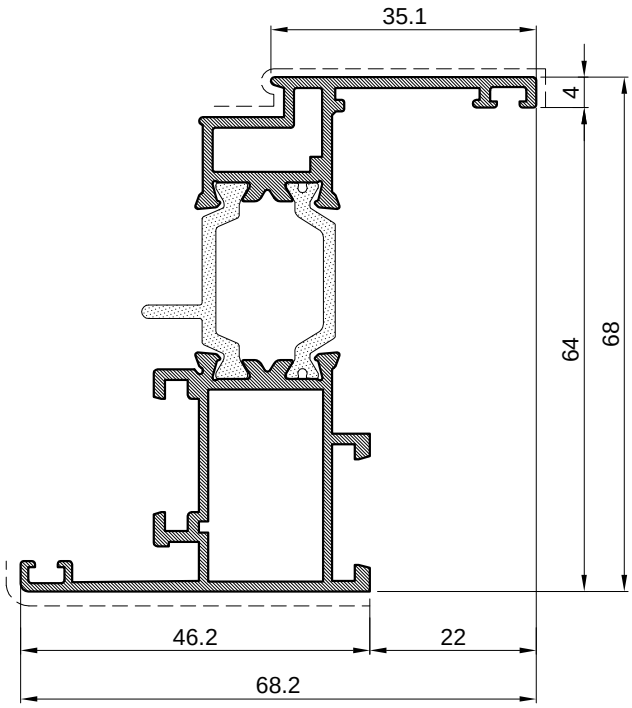


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0611**	
Težina Weight	kg/m	1.205
Opseg Perimeter	mm	385
Moment inercije Moment of inertia	Ix (cm4)	17.18
	Iy (cm4)	7.41
	Wx (cm3)	6.63
	Wy (cm3)	2.16
L	mm	6500

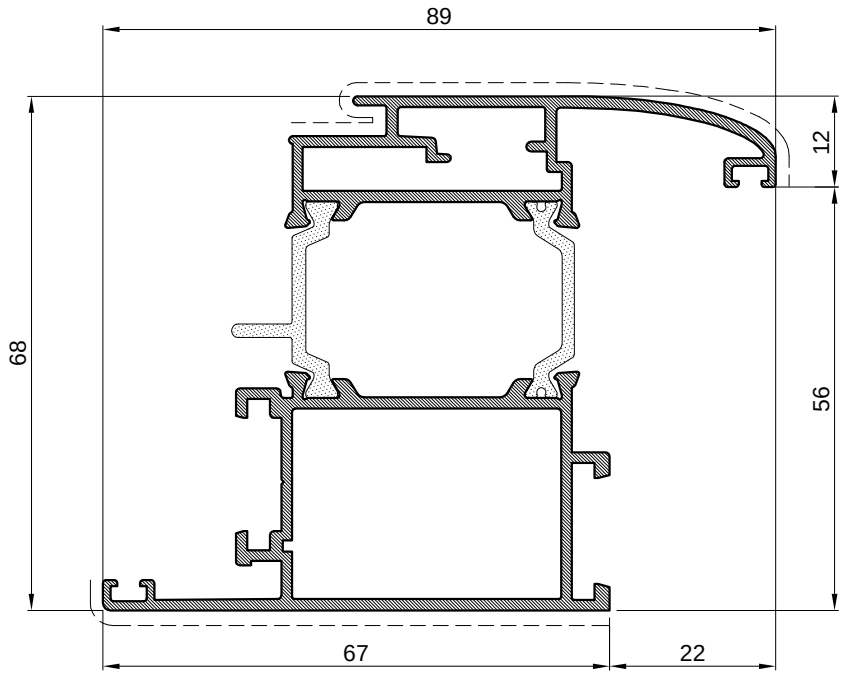


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0612**	
Težina Weight	kg/m	1.235
Opseg Perimeter	mm	400
Moment inercije Moment of inertia	Ix (cm4)	18.1
	Iy (cm4)	8.5
	Wx (cm3)	7.14
	Wy (cm3)	2.45
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

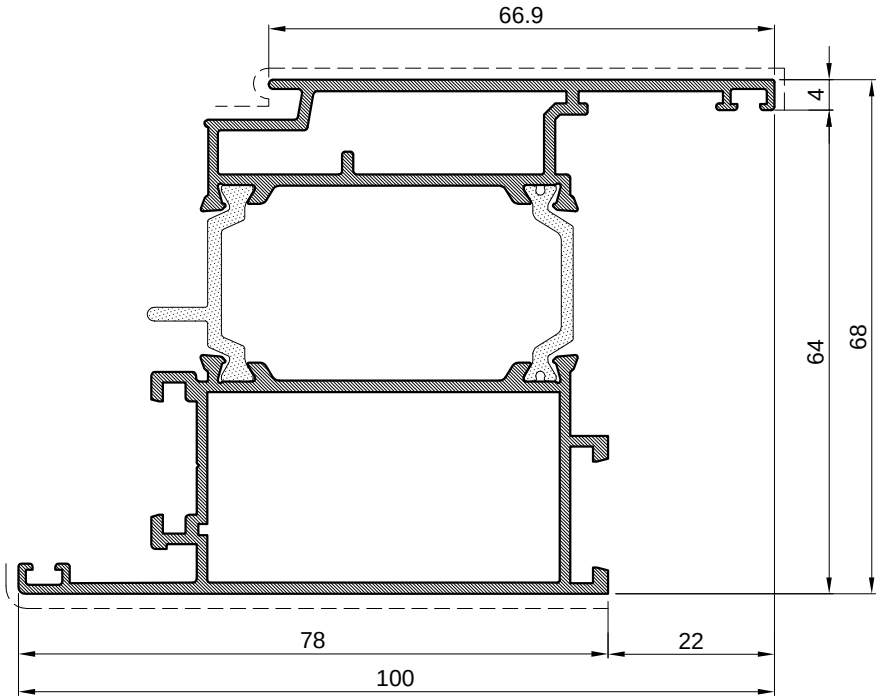


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0620**	
Težina Weight	kg/m	1.207
Opseg Perimeter	mm	334
Moment inercije Moment of inertia	Ix (cm4)	17.74
	Iy (cm4)	6.65
	Wx (cm3)	6.9
	Wy (cm3)	1.91
L	mm	6500

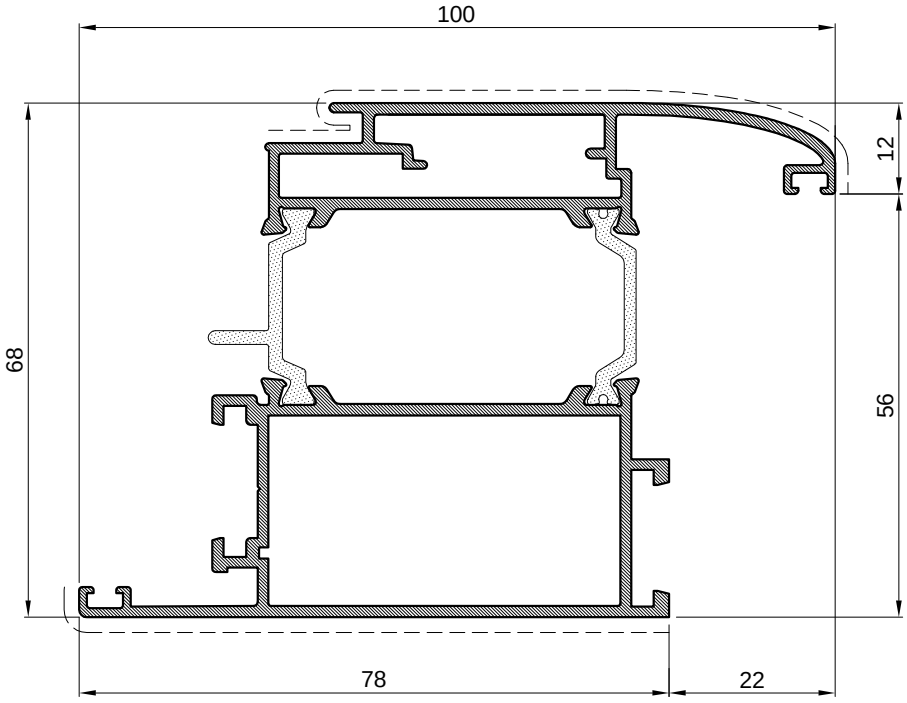


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0615**	
Težina Weight	kg/m	1.645
Opseg Perimeter	mm	469
Moment inercije Moment of inertia	Ix (cm4)	25.4
	Iy (cm4)	21.35
	Wx (cm3)	9.88
	Wy (cm3)	4.78
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

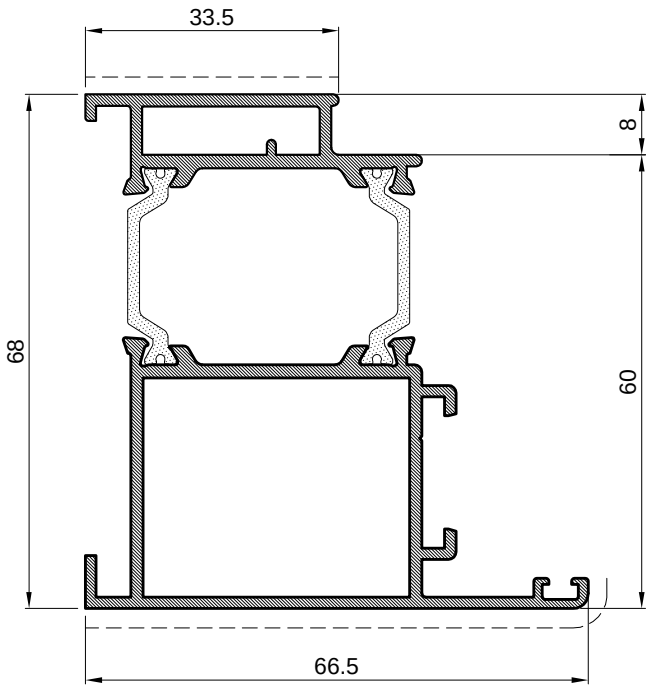


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0650**	
Težina Weight	kg/m	1.783
Opseg Perimeter	mm	434
Moment inercije Moment of inertia	Ix (cm4)	28.53
	Iy (cm4)	30.87
	Wx (cm3)	11.12
	Wy (cm3)	6.06
L	mm	6500

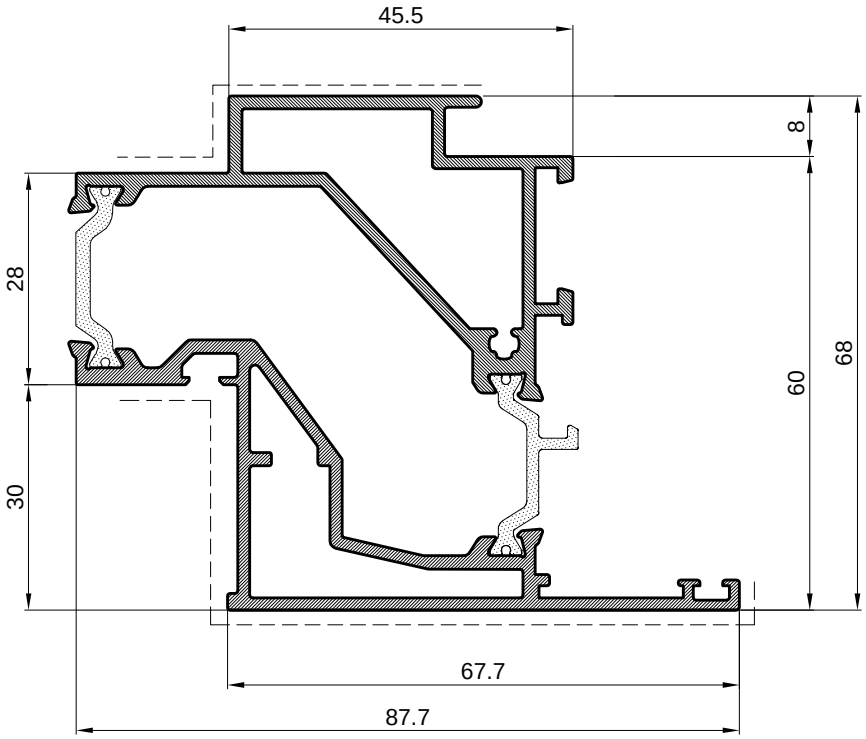


Profil krila Profile sash		
Art.Br. Art.Nr.	**FT-0613**	
Težina Weight	kg/m	1.829
Opseg Perimeter	mm	468
Moment inercije Moment of inertia	Ix (cm4)	28.83
	Iy (cm4)	33.14
	Wx (cm3)	11.08
	Wy (cm3)	6.59
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

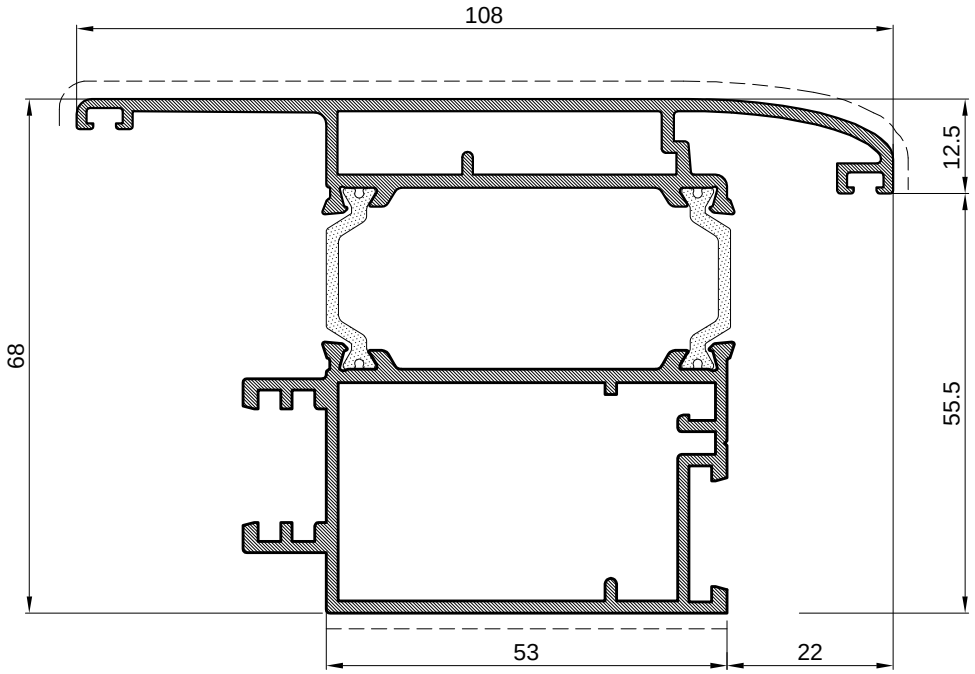


Profil rama-otvaranje vani Profile frame-outside opening		
Art.Br. Art.Nr.	**FT-0605**	
Težina Weight	kg/m	1.480
Opseg Perimeter	mm	356
Moment inercije Moment of inertia	Ix (cm4)	22.7
	Iy (cm4)	13.81
	Wx (cm3)	8.2
	Wy (cm3)	3.44
L	mm	6500

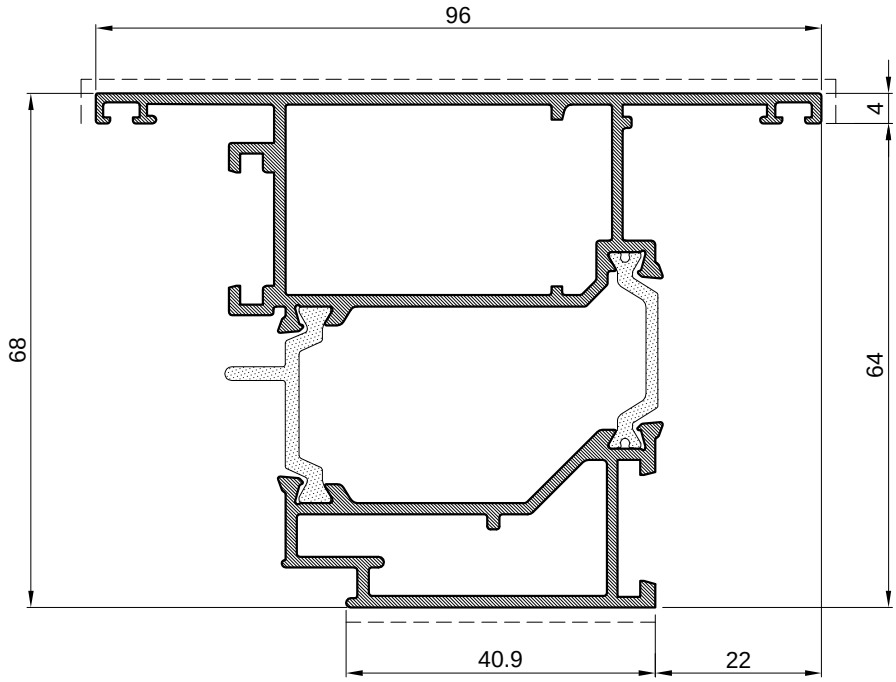


Profil rama-otvaranje vani Profile frame-outside opening		
Art.Br. Art.Nr.	**FT-0608**	
Težina Weight	kg/m	2.02
Opseg Perimeter	mm	416
Moment inercije Moment of inertia	Ix (cm4)	28.26
	Iy (cm4)	29.01
	Wx (cm3)	10.03
	Wy (cm3)	5.96
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

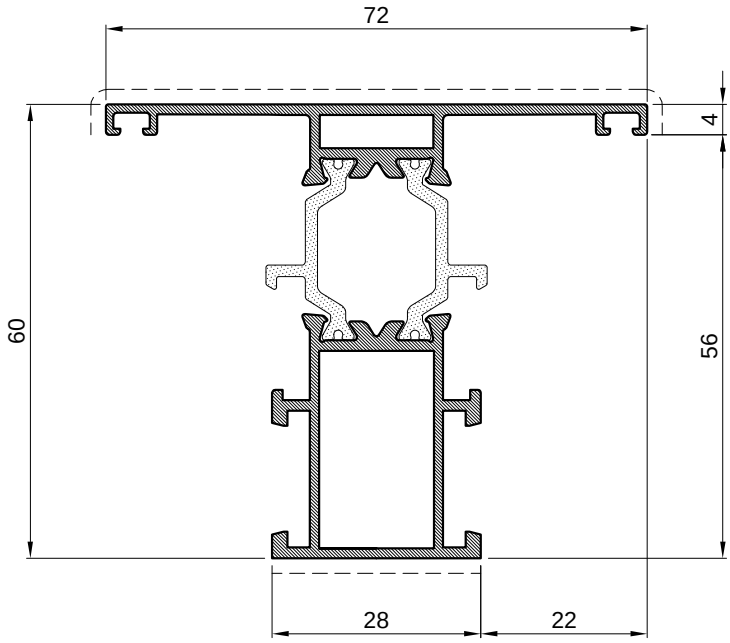


Profil krila-otvaranje vani Profile sash-outside opening		
Art.Br. Art.Nr.	**FT-0614**	
Težina Weight	kg/m	2.122
Opseg Perimeter	mm	492
Moment inercije Moment of inertia	Ix (cm4)	32.07
	Iy (cm4)	46.01
	Wx (cm3)	10.81
	Wy (cm3)	8.08
L	mm	6500

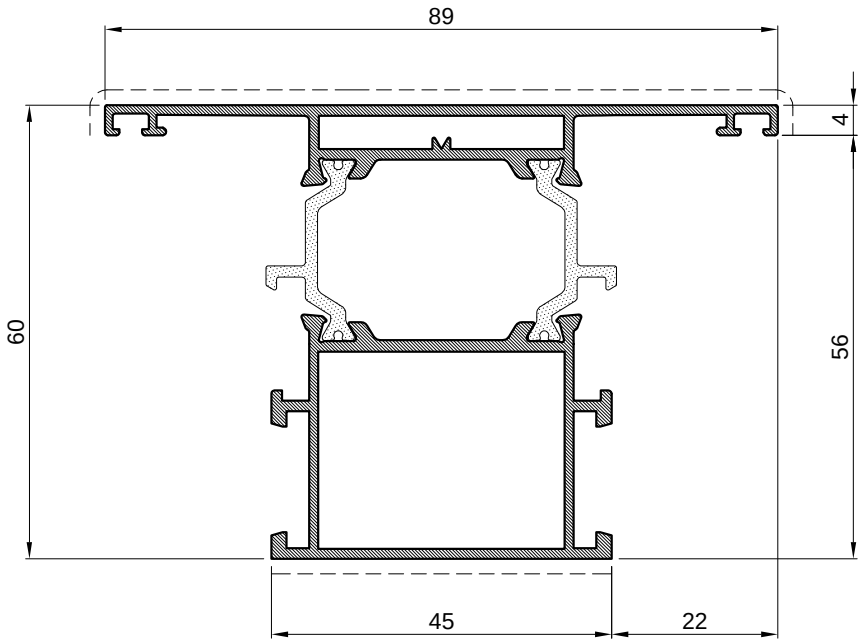


Profil krila-otvaranje vani Profile sash-outside opening		
Art.Br. Art.Nr.	**FT-0619**	
Težina Weight	kg/m	1.791
Opseg Perimeter	mm	439
Moment inercije Moment of inertia	Ix (cm4)	27.31
	Iy (cm4)	28.45
	Wx (cm3)	9.58
	Wy (cm3)	5.9
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

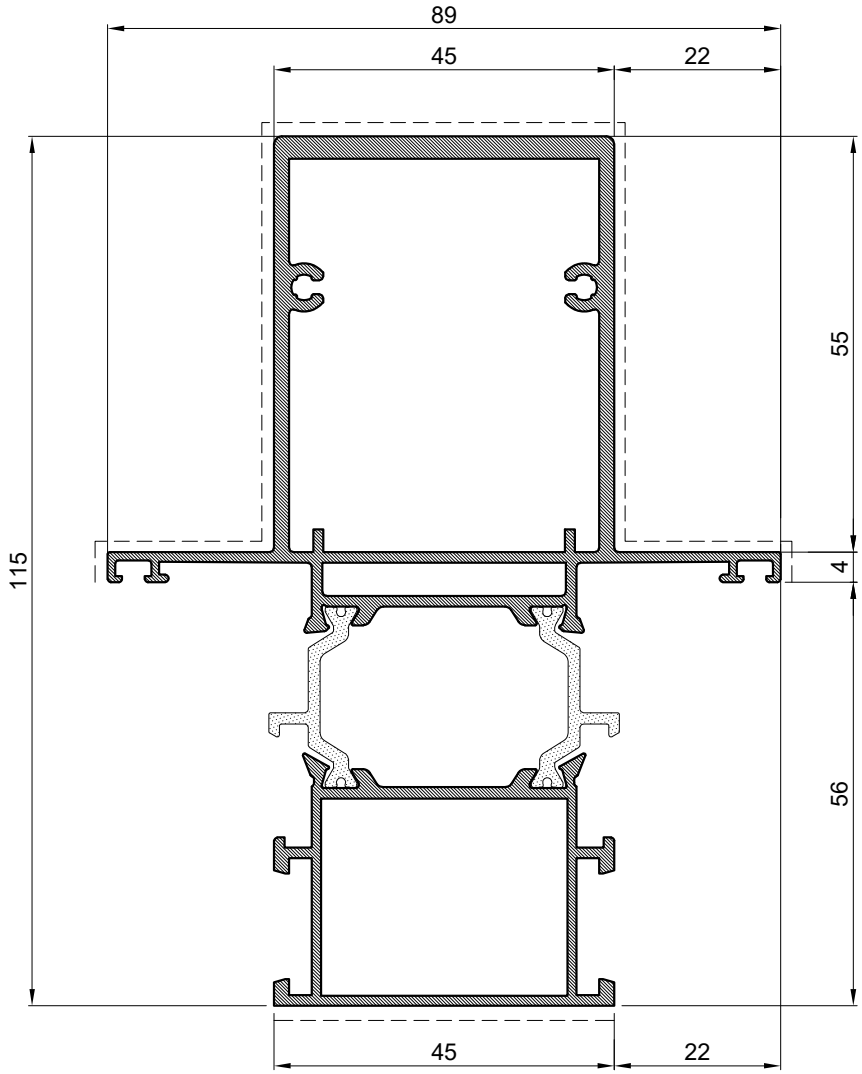


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	**FT-0621**	
Težina Weight	kg/m	1.119
Opseg Perimeter	mm	362
Moment inercije Moment of inertia	Ix (cm4)	12.84
	Iy (cm4)	6.82
	Wx (cm3)	4.84
	Wy (cm3)	1.9
L	mm	6500

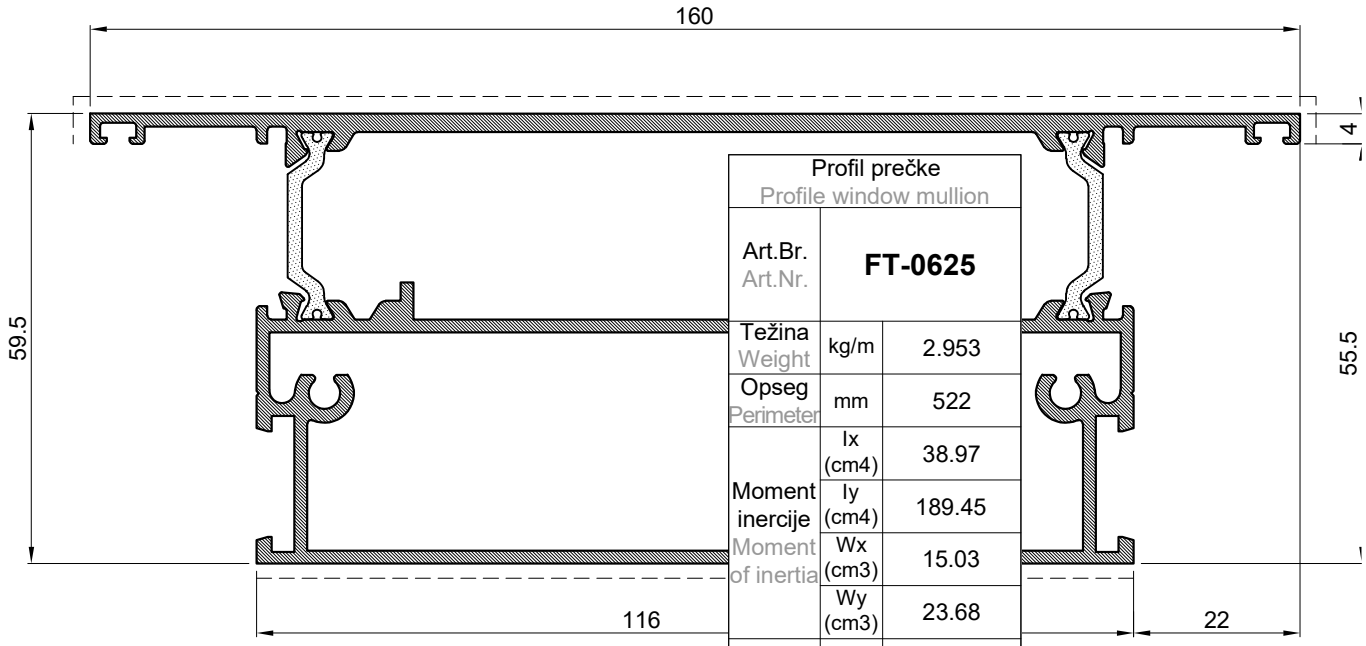


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	**FT-0622**	
Težina Weight	kg/m	1.398
Opseg Perimeter	mm	421
Moment inercije Moment of inertia	Ix (cm4)	16.8
	Iy (cm4)	16.76
	Wx (cm3)	6.26
	Wy (cm3)	3.76
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

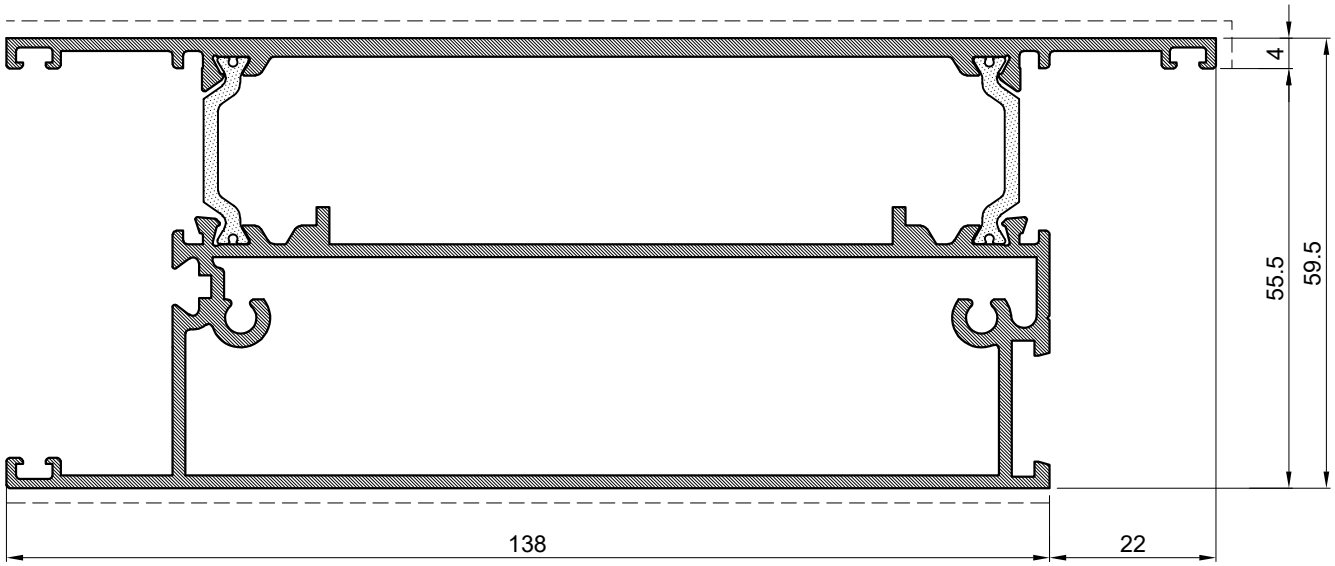


Profil ojačane prečke Reinforcement window mullion		
Art.Br. Art.Nr.	**FT-0624**	
Težina Weight	kg/m	2.429
Opseg Perimeter	mm	529
Moment inercije Moment of inertia	Ix (cm4)	87.58
	Iy (cm4)	30.04
	Wx (cm3)	17.26
	Wy (cm3)	6.75
L	mm	6500



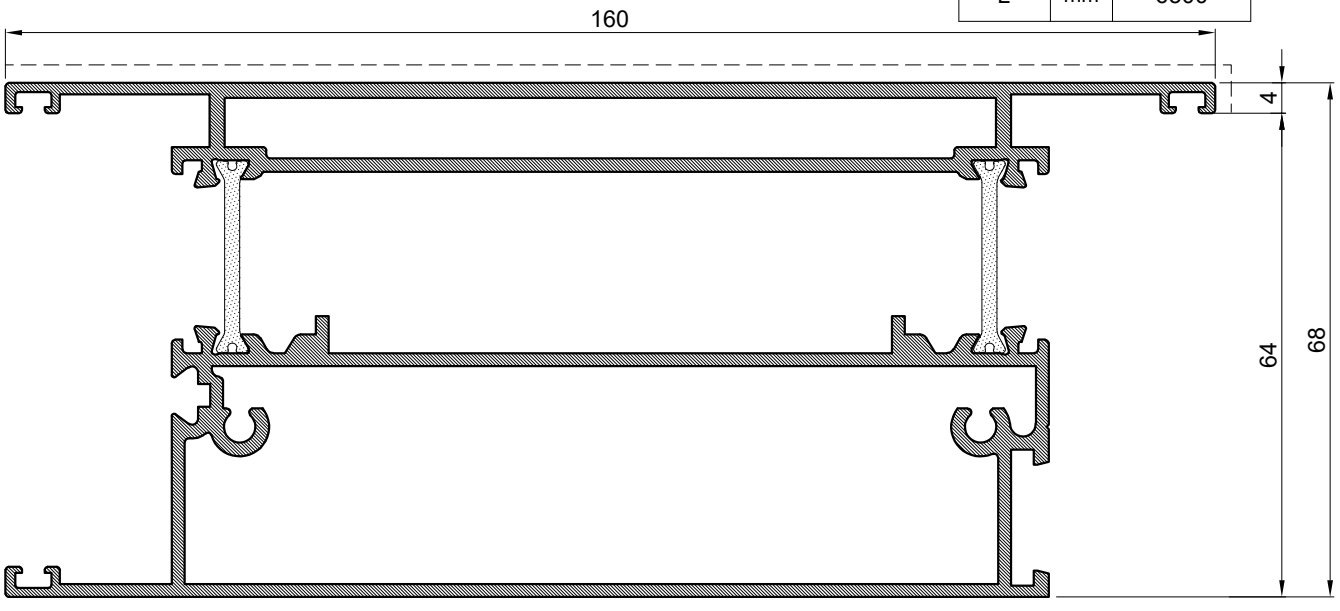
Profil prečke Profile window mullion		
Art.Br. Art.Nr.	**FT-0625**	
Težina Weight	kg/m	2.953
Opseg Perimeter	mm	522
Moment inercije Moment of inertia	Ix (cm4)	38.97
	Iy (cm4)	189.45
	Wx (cm3)	15.03
	Wy (cm3)	23.68
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

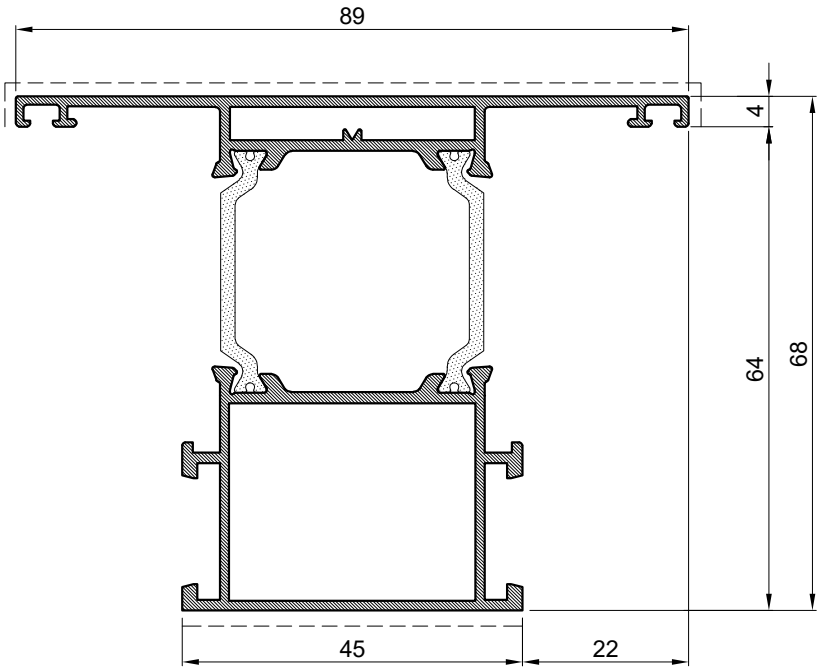


Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	**FT-0623**	
Težina Weight	kg/m	3.056
Opseg Perimeter	mm	605
Moment inercije Moment of inertia	Ix (cm4)	42.05
	Iy (cm4)	209.41
	Wx (cm3)	16.75
	Wy (cm3)	25.33
L	mm	6500

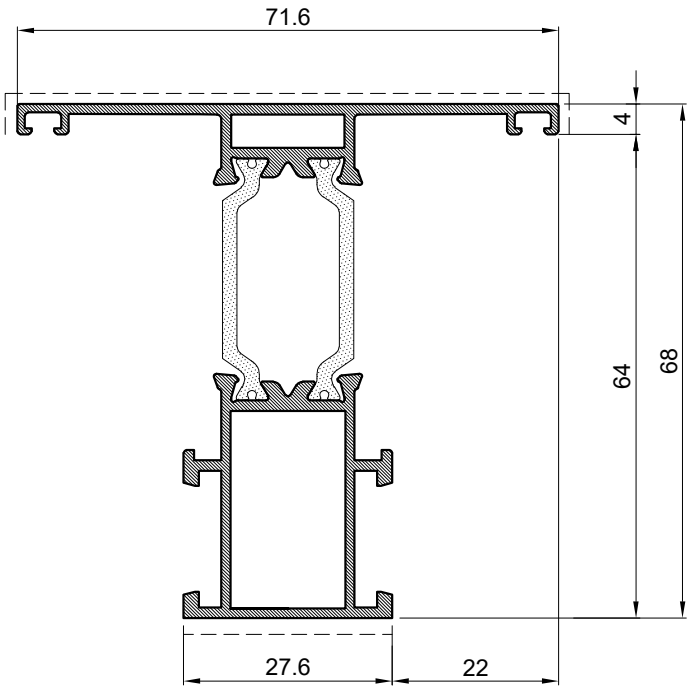
Profil parapetne prečke Profile spandrel mullion		
Art.Br. Art.Nr.	**FT-0626**	
Težina Weight	kg/m	3.502
Opseg Perimeter	mm	646
Moment inercije Moment of inertia	Ix (cm4)	58.64
	Iy (cm4)	229.97
	Wx (cm3)	20.39
	Wy (cm3)	27.94
L	mm	6500



PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

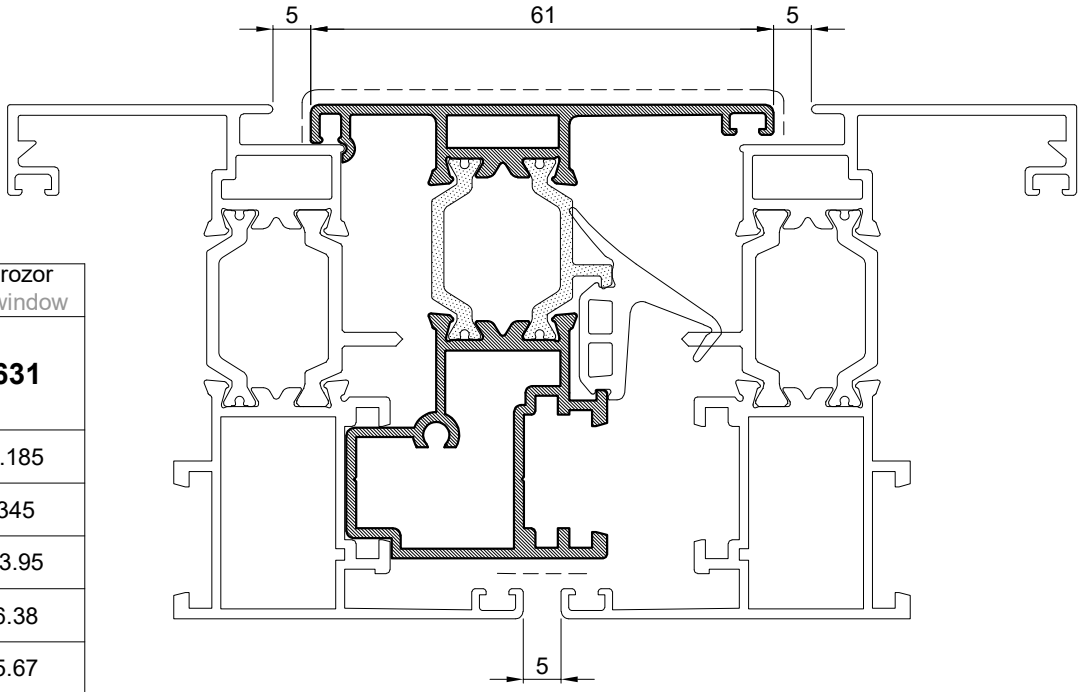


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	**FT-0627**	
Težina Weight	kg/m	1.422
Opseg Perimeter	mm	366
Moment inercije Moment of inertia	Ix (cm4)	22.53
	Iy (cm4)	16.76
	Wx (cm3)	7.7
	Wy (cm3)	3.76
L	mm	6500

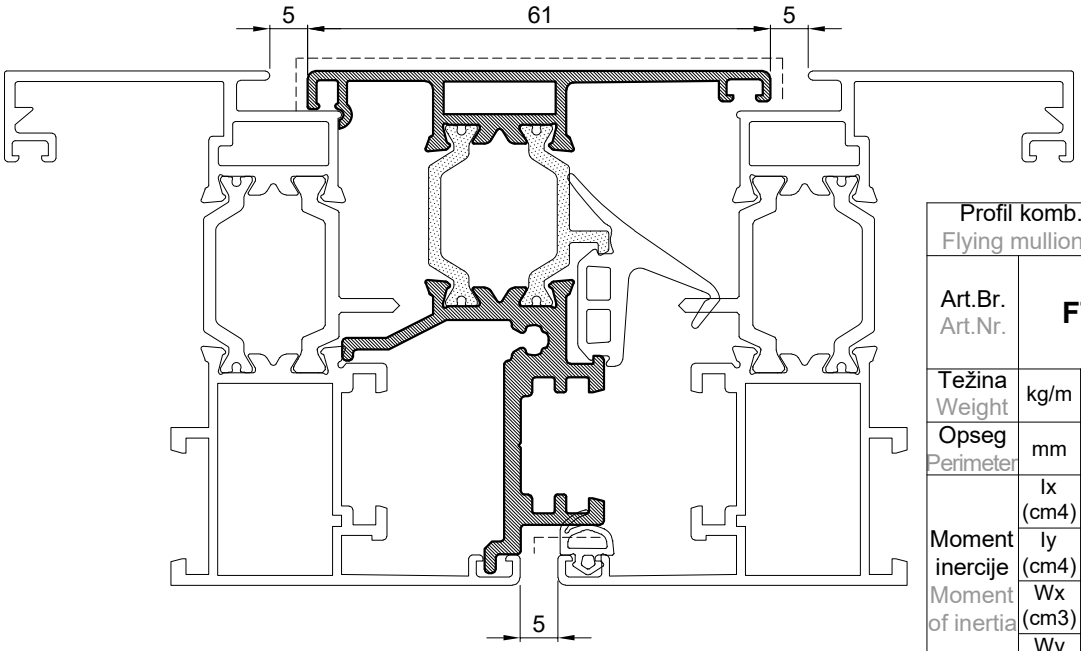


Profil prečke Profile window mullion		
Art.Br. Art.Nr.	**FT-0628**	
Težina Weight	kg/m	1.139
Opseg Perimeter	mm	331
Moment inercije Moment of inertia	Ix (cm4)	17.28
	Iy (cm4)	6.82
	Wx (cm3)	5.97
	Wy (cm3)	1.9
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

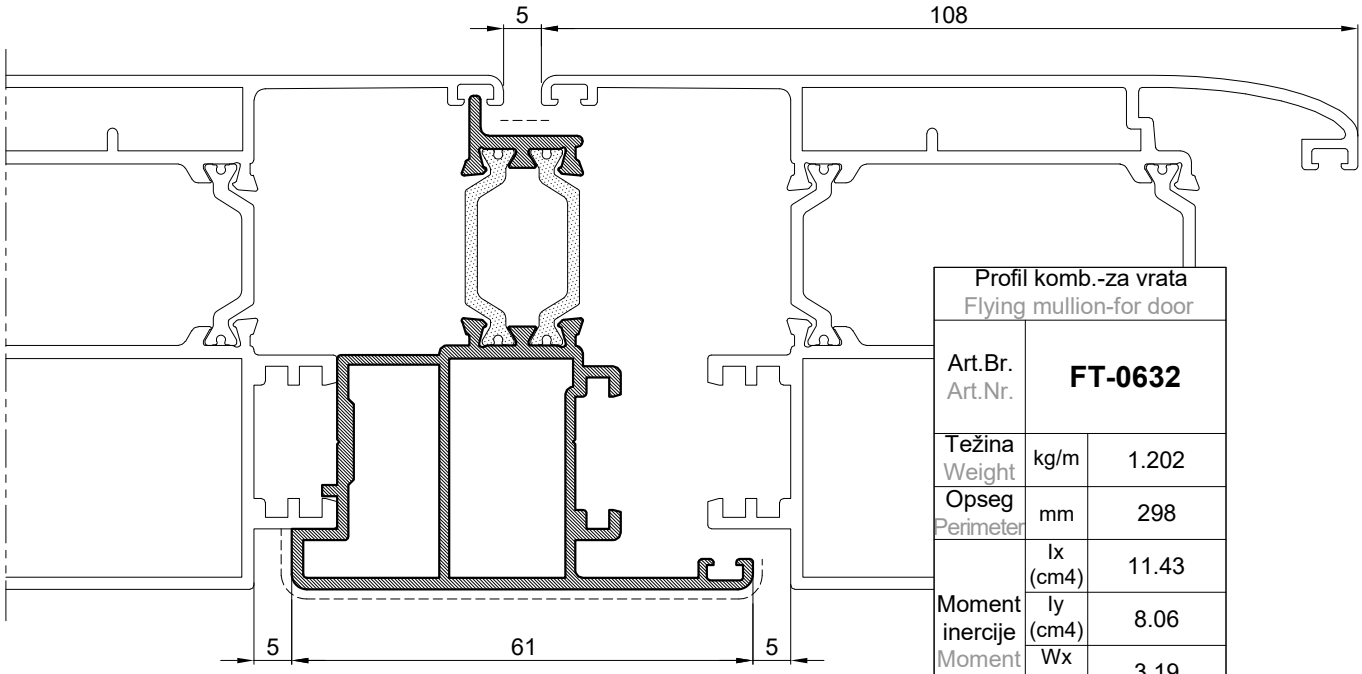


Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	**FT-0631**	
Težina Weight	kg/m	1.185
Opseg Perimeter	mm	345
Moment inercije Moment of inertia	Ix (cm4)	13.95
	Iy (cm4)	6.38
	Wx (cm3)	5.67
	Wy (cm3)	1.77
L	mm	6500

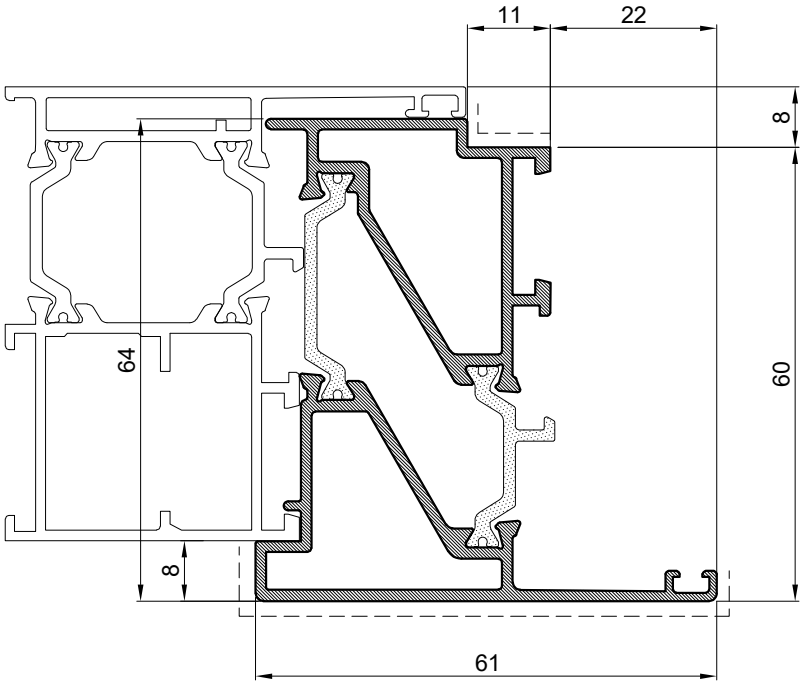


Profil komb.-za prozor Flying mullion-for window		
Art.Br. Art.Nr.	**FT-0635**	
Težina Weight	kg/m	1.217
Opseg Perimeter	mm	382
Moment inercije Moment of inertia	Ix (cm4)	13.31
	Iy (cm4)	5.35
	Wx (cm3)	4.41
	Wy (cm3)	1.58
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"



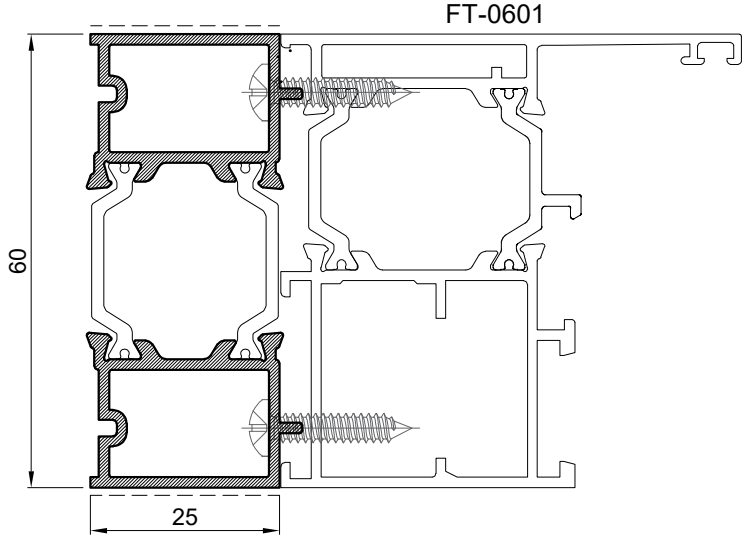
Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	**FT-0632**	
Težina Weight	kg/m	1.202
Opseg Perimeter	mm	298
Moment inercije Moment of inertia	Ix (cm4)	11.43
	Iy (cm4)	8.06
	Wx (cm3)	3.19
	Wy (cm3)	2.32
L	mm	6500



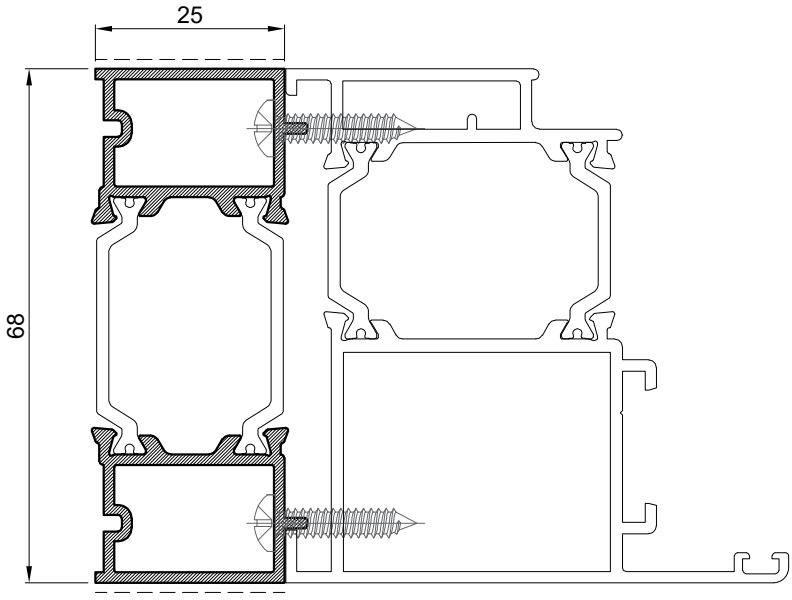
Profil kombatute Flying mullion		
Art.Br. Art.Nr.	**FT-0634**	
Težina Weight	kg/m	1.338
Opseg Perimeter	mm	313
Moment inercije Moment of inertia	Ix (cm4)	16.99
	Iy (cm4)	8.1
	Wx (cm3)	6.26
	Wy (cm3)	2.13
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

FT-0601



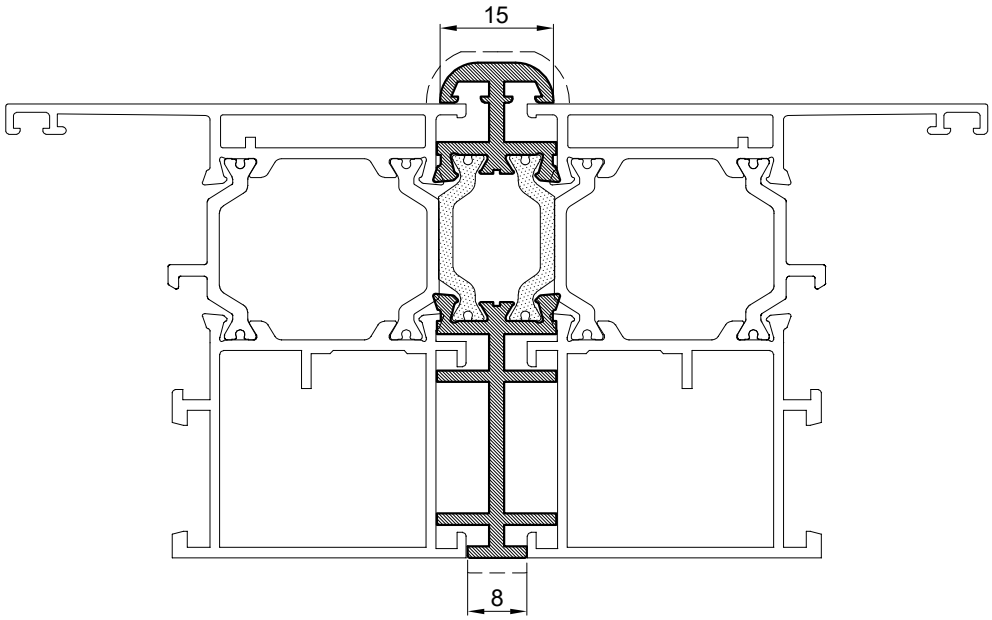
Profil za proširenje rama Frame extension profile		
Art.Br. Art.Nr.	**FT-0645**	
Težina Weight	kg/m	0.931
Opseg Perimeter	mm	186
Moment inercije Moment of inertia	Ix (cm4)	9.27
	Iy (cm4)	2.35
	Wx (cm3)	4.21
	Wy (cm3)	1.56
L	mm	6500



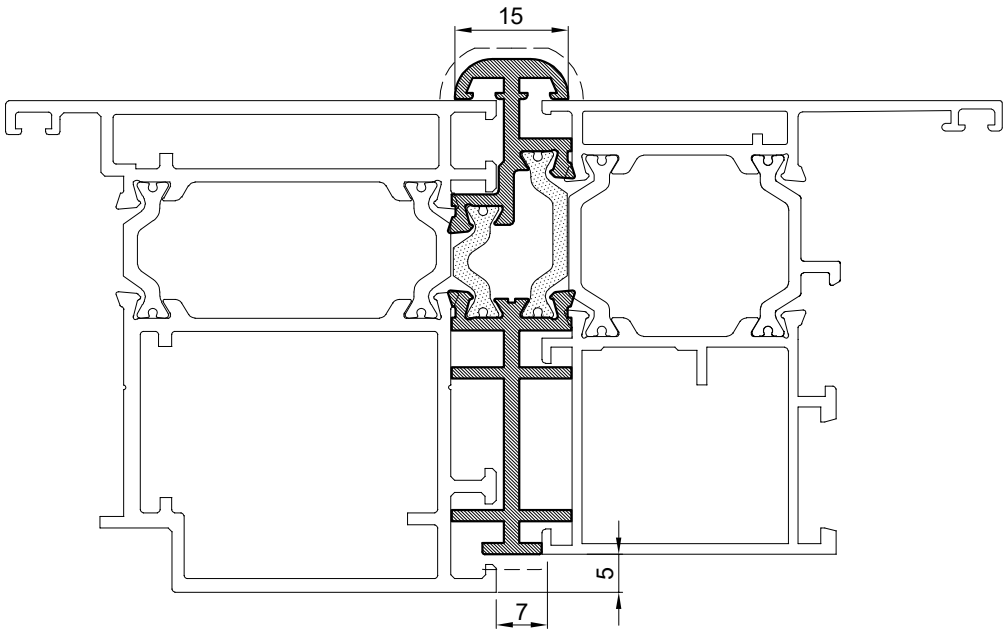
FT-0605

Profil komb.-za vrata Flying mullion-for door		
Art.Br. Art.Nr.	**FT-0646**	
Težina Weight	kg/m	0.975
Opseg Perimeter	mm	202
Moment inercije Moment of inertia	Ix (cm4)	12.77
	Iy (cm4)	2.35
	Wx (cm3)	5.19
	Wy (cm3)	1.56
L	mm	6500

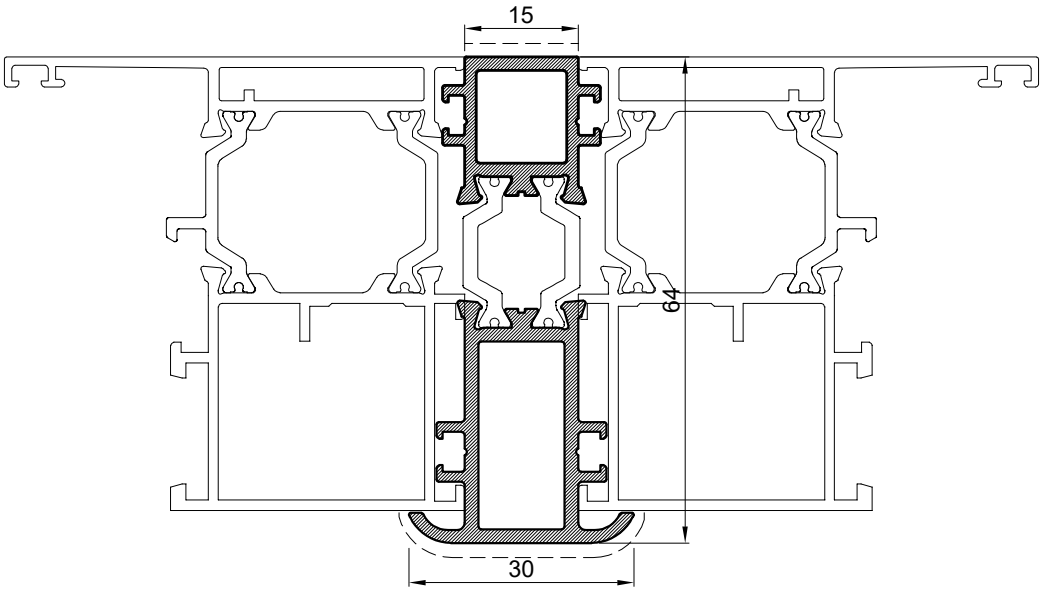
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"



Vezni profil Connection profile		
Art.Br. Art.Nr.	**FT-0641**	
Težina Weight	kg/m	0.861
Opseg Perimeter	mm	280
Moment inercije Moment of inertia	Ix (cm4)	8.93
	Iy (cm4)	0.43
	Wx (cm3)	3.4
	Wy (cm3)	0.51
L	mm	6500

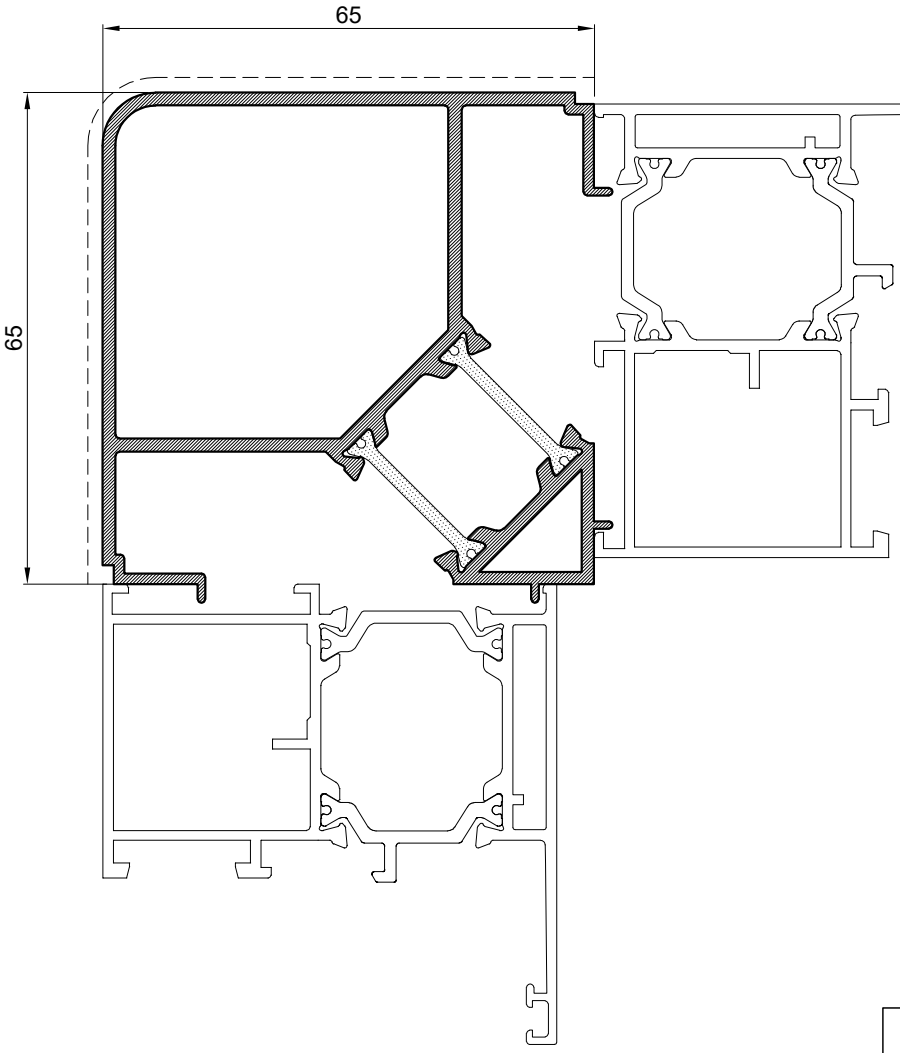


Vezni profil Connection profile		
Art.Br. Art.Nr.	**FT-0642**	
Težina Weight	kg/m	0.856
Opseg Perimeter	mm	287
Moment inercije Moment of inertia	Ix (cm4)	8.87
	Iy (cm4)	0.43
	Wx (cm3)	3.33
	Wy (cm3)	0.51
L	mm	6500

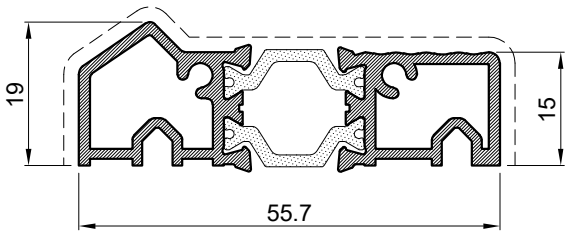


Vezni profil Connection profile		
Art.Br. Art.Nr.	**FT-0647**	
Težina Weight	kg/m	1.069
Opseg Perimeter	mm	262
Moment inercije Moment of inertia	Ix (cm4)	12.37
	Iy (cm4)	1.6
	Wx (cm3)	4.72
	Wy (cm3)	1.07
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

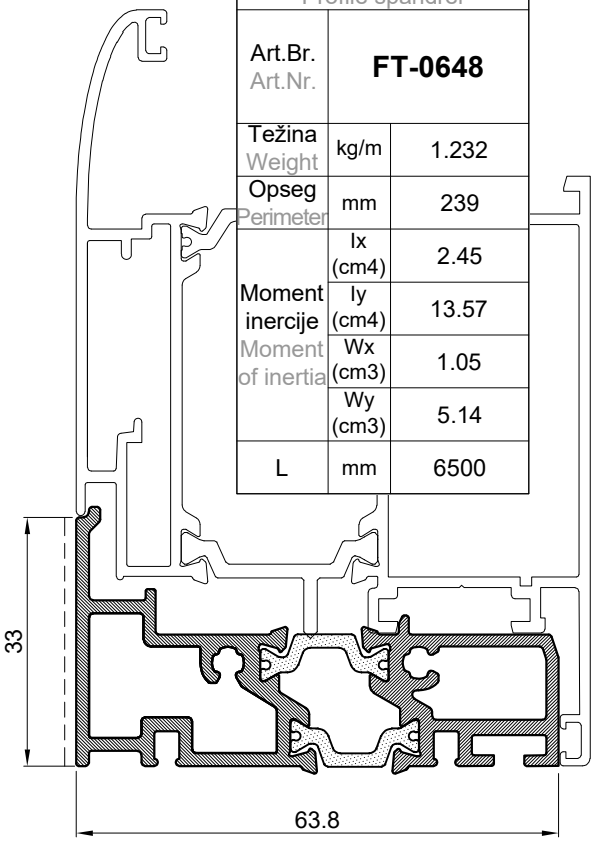


Profil za kut 90° Profile for corner 90°		
Art.Br. Art.Nr.	**FT-0222**	
Težina Weight	kg/m	1.586
Opseg Perimeter	mm	390
Moment inercije Moment of inertia	Ix (cm4)	25.82
	Iy (cm4)	28.58
	Wx (cm3)	8.32
	Wy (cm3)	8.32
L	mm	6500

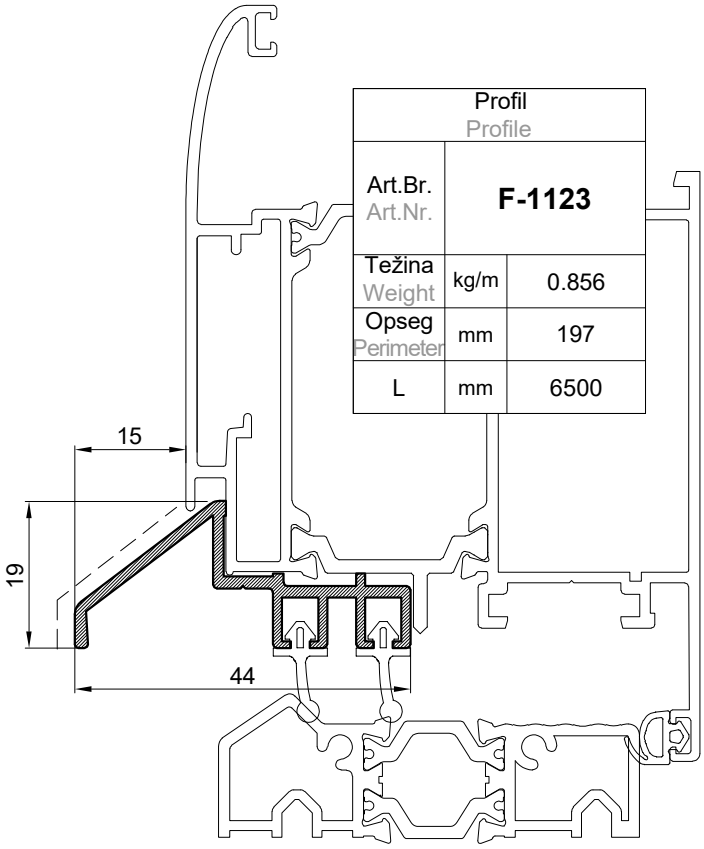


Profil praga Profile threshold		
Art.Br. Art.Nr.	**FT-0643**	
Težina Weight	kg/m	0.825
Opseg Perimeter	mm	172
L	mm	6500

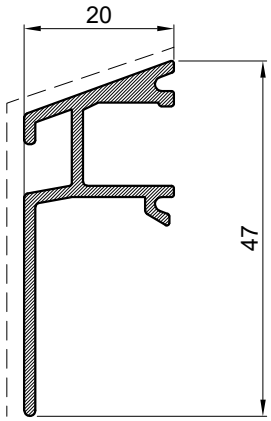
Profil parapeta Profile spandrel		
Art.Br. Art.Nr.	**FT-0648**	
Težina Weight	kg/m	1.232
Opseg Perimeter	mm	239
Moment inercije Moment of inertia	Ix (cm4)	2.45
	Iy (cm4)	13.57
	Wx (cm3)	1.05
	Wy (cm3)	5.14
L	mm	6500



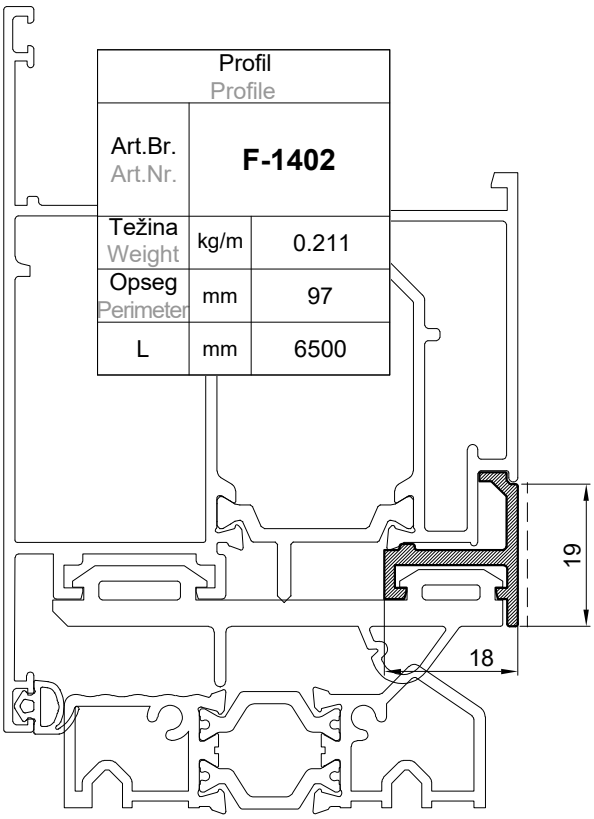
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"



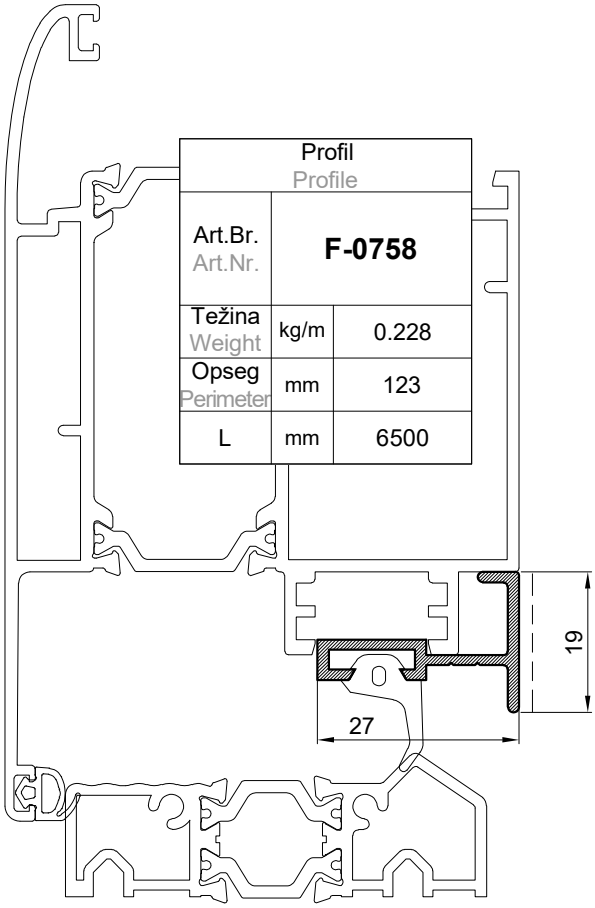
Profil Profile		
Art.Br. Art.Nr.	**F-1123**	
Težina Weight	kg/m	0.856
Opseg Perimeter	mm	197
L	mm	6500



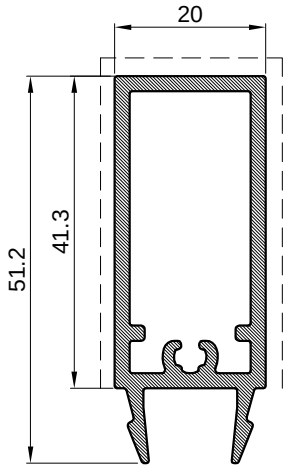
Profil		
Art.-Br.	**NP-3466**	
Težina	kg/m	0.4
Opseg	mm	180
Dužina isporuke	mm	6500



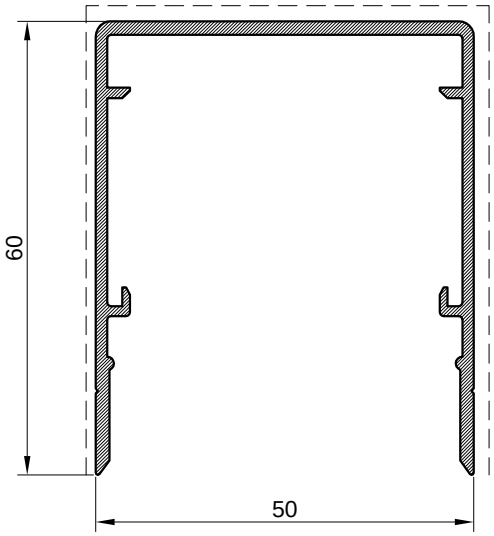
Profil Profile		
Art.Br. Art.Nr.	**F-1402**	
Težina Weight	kg/m	0.211
Opseg Perimeter	mm	97
L	mm	6500

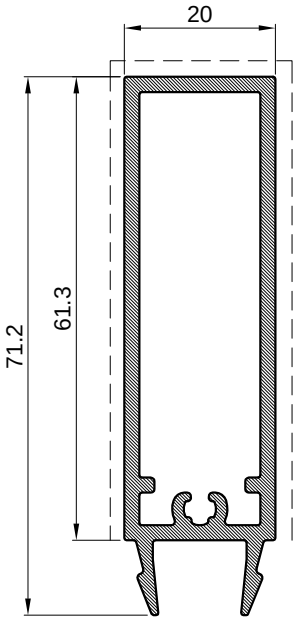


Profil Profile		
Art.Br. Art.Nr.	**F-0758**	
Težina Weight	kg/m	0.228
Opseg Perimeter	mm	123
L	mm	6500



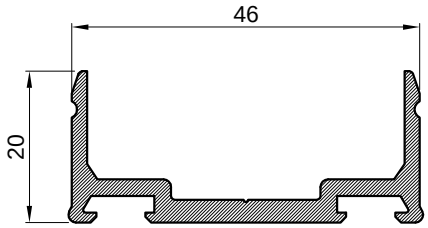
Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	**F-1634**	
Težina Weight	kg/m	0.774
Opseg Perimeter	mm	160
Moment inercije Moment of inertia	Ix (cm4)	7.06
	Iy (cm4)	1.69
	Wx (cm3)	2.69
	Wy (cm3)	1.69
L	mm	6500

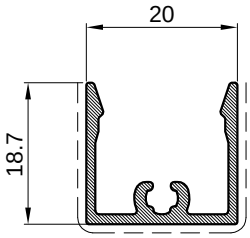




Profil ojačanja prečke Window crossbar reinforcement		
Art.Br. Art.Nr.	**NP-4183**	
Težina Weight	kg/m	0.990
Opseg Perimeter	mm	200
Moment inercije Moment of inertia	Ix (cm4)	18.21
	Iy (cm4)	2.34
	Wx (cm3)	5.11
	Wy (cm3)	2.34
L	mm	6500

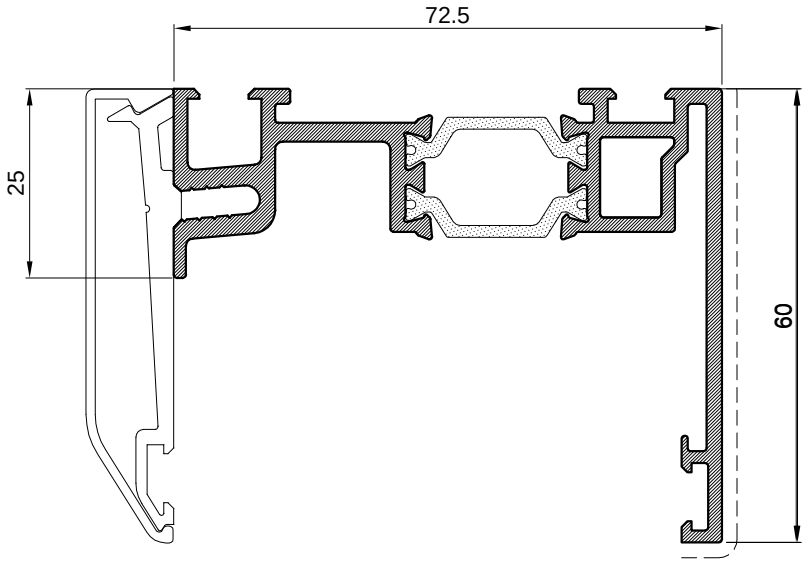
Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	**FMO 50/61**	
Težina Weight	kg/m	0.785
Opseg Perimeter	mm	365
L	mm	6500



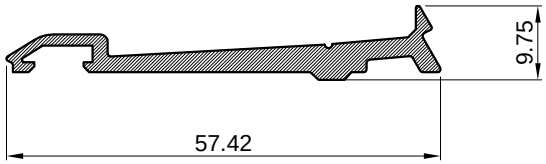


Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	**NP-4184**	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	129
L	mm	6500

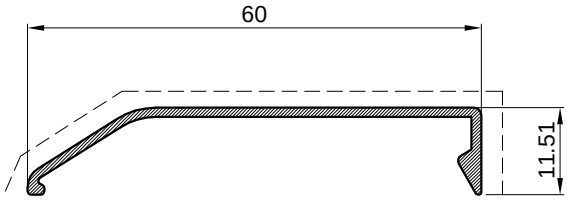
Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	**FMO 50/20D**	
Težina Weight	kg/m	0.558
Opseg Perimeter	mm	185
L	mm	6500



Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**FT-0604**	
Težina Weight	kg/m	1.452
Opseg Perimeter	mm	432
L	mm	6500

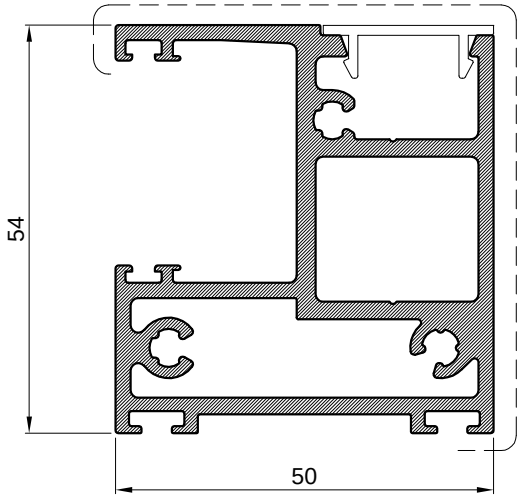


Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**F-1190**	
Težina Weight	kg/m	0.461
Opseg Perimeter	mm	145
L	mm	6500

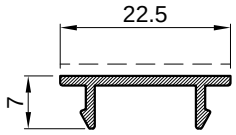


Profil za ugradnju Instalation profile		
Art.Br. Art.Nr.	**FM-072**	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	152
L	mm	6500

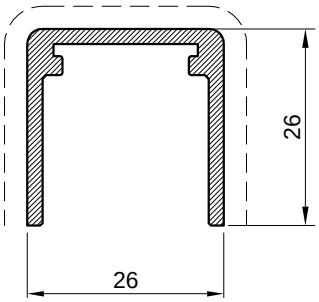
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"



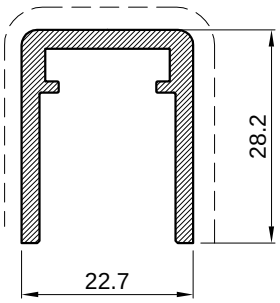
Profil francuskog balkona French balcony profile		
Art.Br. Art.Nr.	**F-1569**	
Težina Weight	kg/m	1.78
Opseg Perimeter	mm	357
L	mm	6500



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

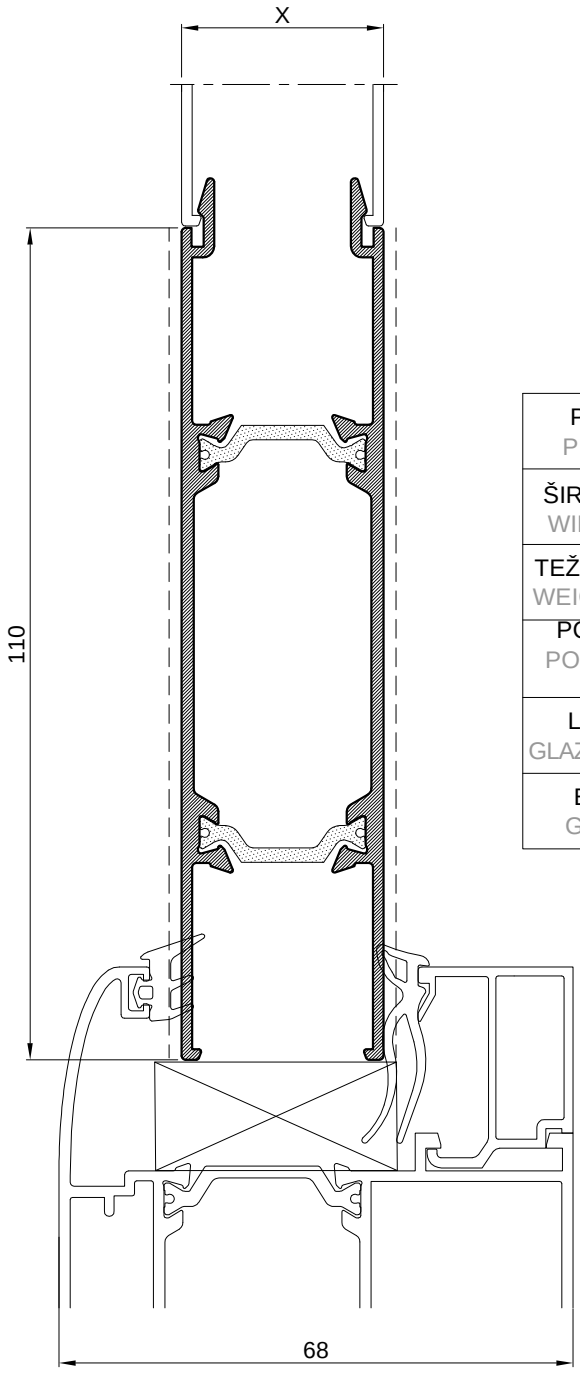


Profil rukovata za 1010.4 Handrail profile for 1010.4		
Art.Br. Art.Nr.	**F-1437**	
Težina Weight	kg/m	0.444
Opseg Perimeter	mm	154
L	mm	6500

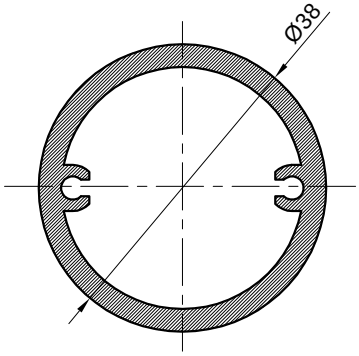


Profil rukovata za 88.4 Handrail profile for 88.4		
Art.Br. Art.Nr.	**F-1490**	
Težina Weight	kg/m	0.512
Opseg Perimeter	mm	158
L	mm	6500

PROFIL ISPUNE U OVISNOSTI O ŠIRINI POLIAMIDA
INSULATION PROFILE IN DEPENDING ON THE WIDTH POLYAMIDE

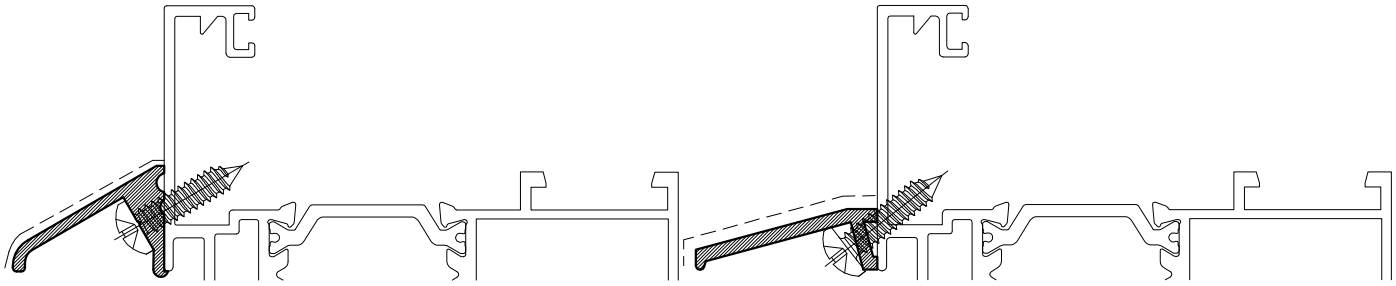


PROFIL PROFILE	**FT-0142-35**	**FT-0142-33**	**FT-0142-27**	**FT-0142**
ŠIRINA /mm/ WIDTH/mm/	34.7	32.7	26.7	19.5
TEŽINA /kg/m/ WEIGHT/kg/m/	1.423	1.413	1.372	1.327
POLIAMID POLYAMIDE /mm/	30	28	22	14.8
LAJSNA GLAZING BEAD	Z40-664 *(10.5 mm)*	Z40-665 *(15.5 mm)*	Z40-666 *(20.5 mm)*	Z40-667 *(25.5 mm)*
BRTVE GASKET	321.003 i 311.004	321.002 i 311.003	321.002 i 311.004	321.003 i 311.004



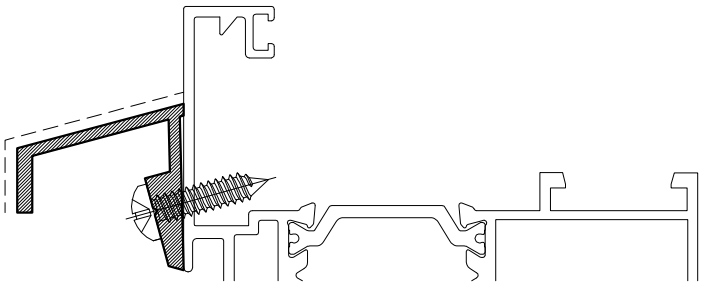
Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	**F-0829**	
Težina Weight	kg/m	0.953
Opseg Perimeter	mm	119
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

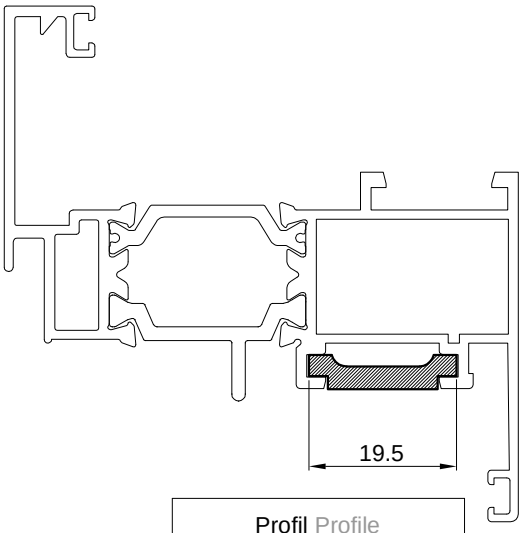


Profil Profile		
Art.Br. Art.Nr.	**Z40-657**	
Težina Weight	kg/m	0.186
Opseg Perimeter	mm	73
L	mm	6500

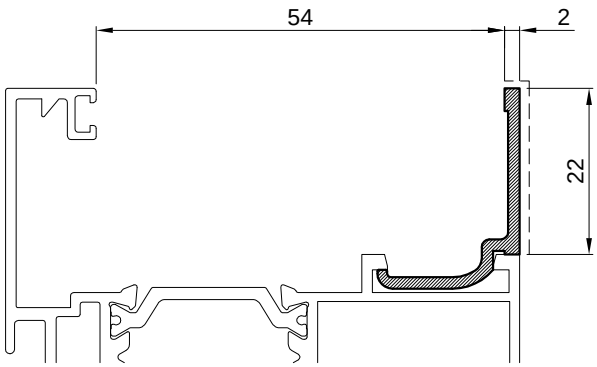
Profil Profile		
Art.Br. Art.Nr.	**F-0228**	
Težina Weight	kg/m	0.153
Opseg Perimeter	mm	68
L	mm	6500



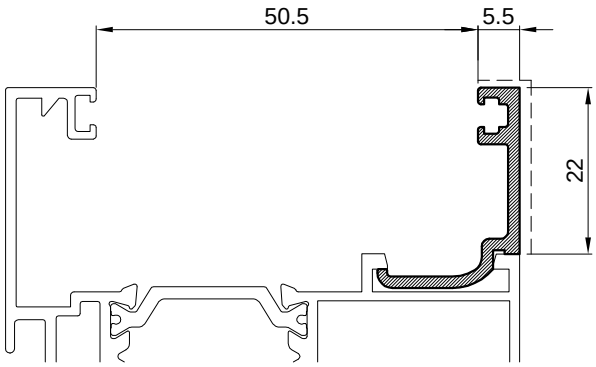
Profil Profile		
Art.Br. Art.Nr.	**060050**	
Težina Weight	kg/m	0.285
Opseg Perimeter	mm	107
L	mm	6500



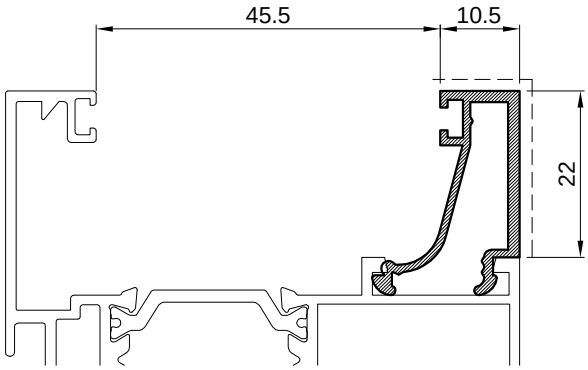
Profil Profile		
Art.Br. Art.Nr.	**NC-1459**	
Težina Weight	kg/m	0.156
Opseg Perimeter	mm	49
L	mm	6500



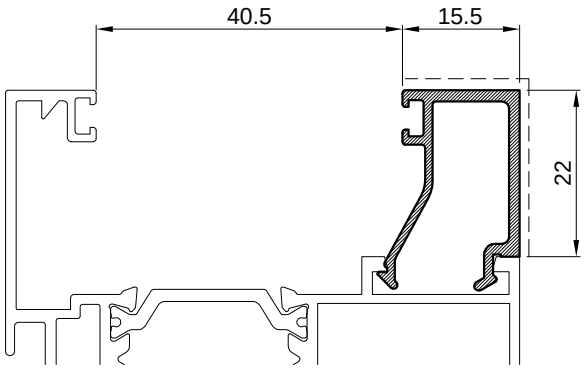
Profil Profile		
Art.Br. Art.Nr.	**Z40-660**	
Težina Weight	kg/m	0.179
Opseg Perimeter	mm	89
L	mm	6500



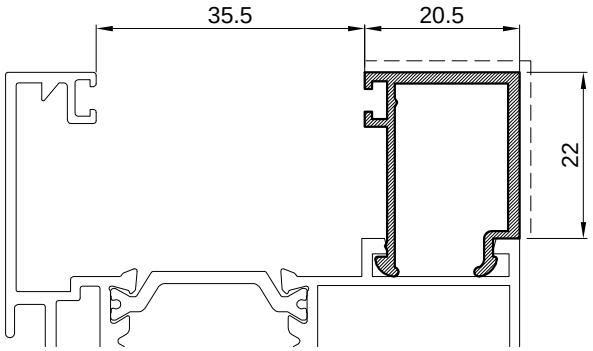
Profil Profile		
Art.Br. Art.Nr.	**Z40-656**	
Težina Weight	kg/m	0.215
Opseg Perimeter	mm	107
L	mm	6500



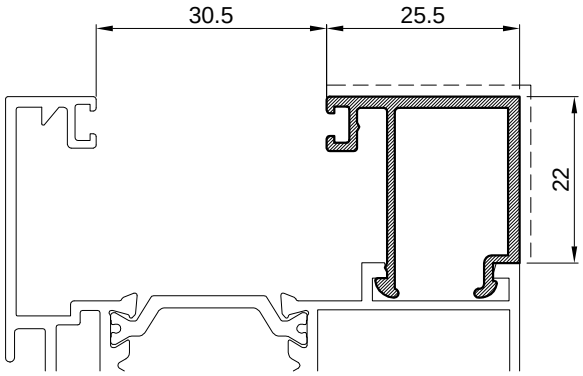
Profil Profile		
Art.Br. Art.Nr.	**Z40-636**	
Težina Weight	kg/m	0.261
Opseg Perimeter	mm	158
L	mm	6500



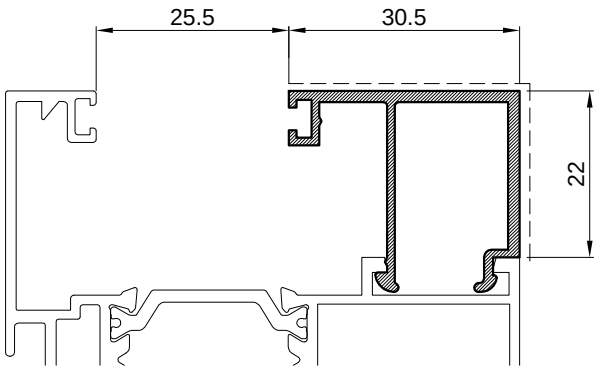
Profil Profile		
Art.Br. Art.Nr.	**M45-709**	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	153
L	mm	6500



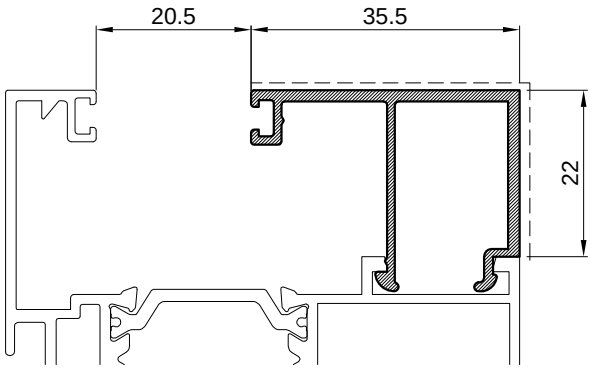
Profil Profile		
Art.Br. Art.Nr.	**Z40-644**	
Težina Weight	kg/m	0.275
Opseg Perimeter	mm	166
L	mm	6500



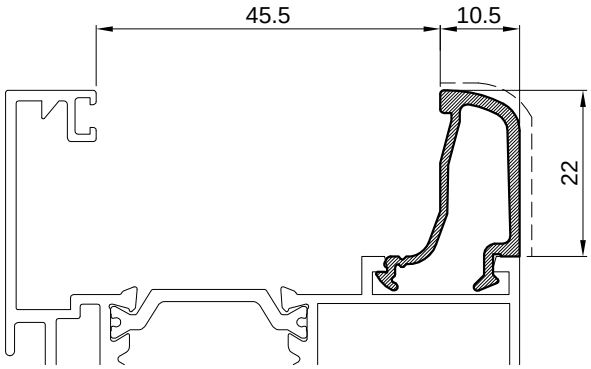
Profil Profile		
Art.Br. Art.Nr.	**Z40-658**	
Težina Weight	kg/m	0.318
Opseg Perimeter	mm	184
L	mm	6500



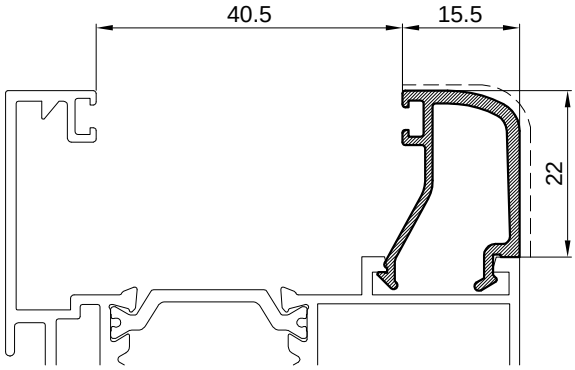
Profil Profile		
Art.Br. Art.Nr.	**Z40-653**	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	196
L	mm	6500



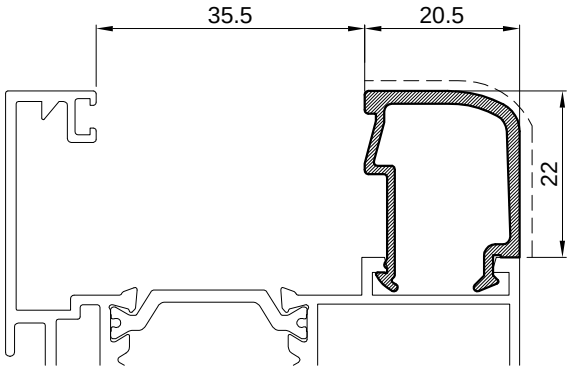
Profil Profile		
Art.Br. Art.Nr.	**Z40-659**	
Težina Weight	kg/m	0.359
Opseg Perimeter	mm	204
L	mm	6500



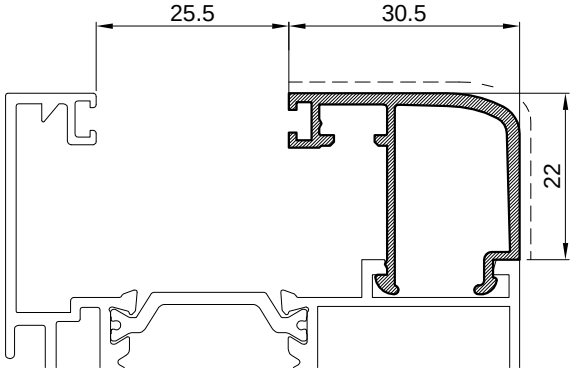
Profil Profile		
Art.Br. Art.Nr.	**Z40-647**	
Težina Weight	kg/m	0.226
Opseg Perimeter	mm	138
L	mm	6500



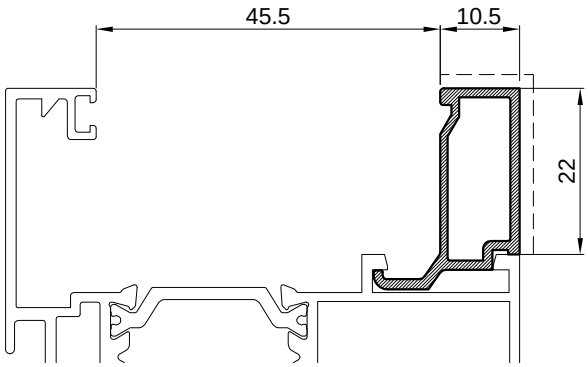
Profil Profile		
Art.Br. Art.Nr.	**M45-740**	
Težina Weight	kg/m	0.258
Opseg Perimeter	mm	148
L	mm	6500



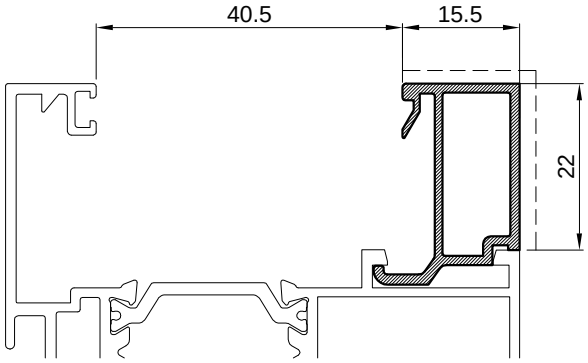
Profil Profile		
Art.Br. Art.Nr.	**Z40-646**	
Težina Weight	kg/m	0.286
Opseg Perimeter	mm	154
L	mm	6500



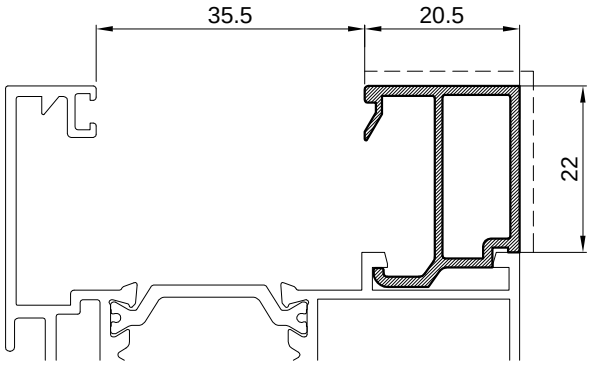
Profil Profile		
Art.Br. Art.Nr.	**Z40-653/B**	
Težina Weight	kg/m	0.356
Opseg Perimeter	mm	197
L	mm	6500



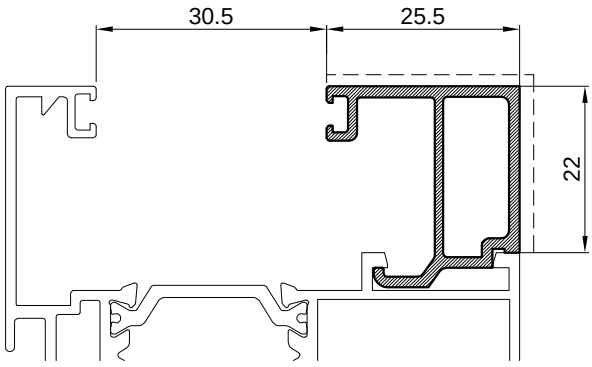
Profil Profile		
Art.Br. Art.Nr.	**Z40-664**	
Težina Weight	kg/m	0.243
Opseg Perimeter	mm	93
L	mm	6500



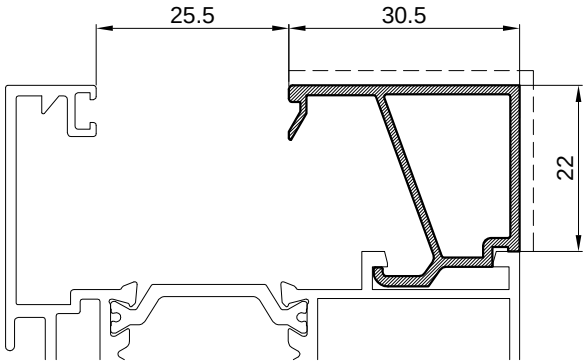
Profil Profile		
Art.Br. Art.Nr.	**Z40-665**	
Težina Weight	kg/m	0.272
Opseg Perimeter	mm	112
L	mm	6500



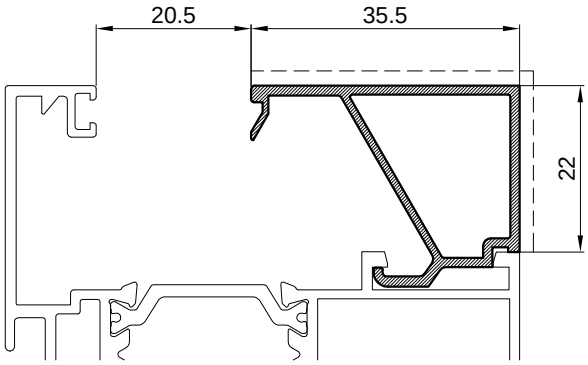
Profil Profile		
Art.Br. Art.Nr.	**Z40-666**	
Težina Weight	kg/m	0.289
Opseg Perimeter	mm	122
L	mm	6500



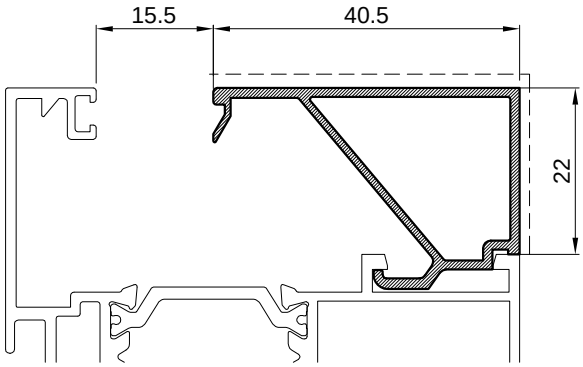
Profil Profile		
Art.Br. Art.Nr.	**Z40-667**	
Težina Weight	kg/m	0.358
Opseg Perimeter	mm	139
L	mm	6500



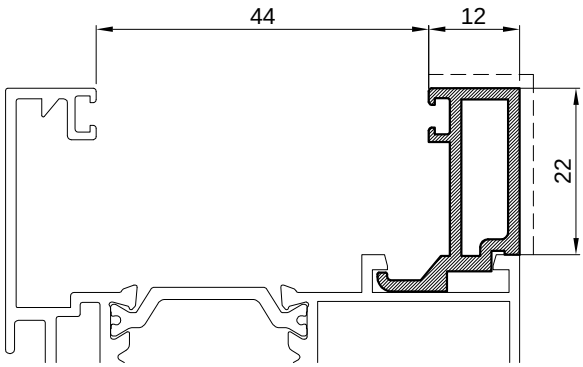
Profil Profile		
Art.Br. Art.Nr.	**Z40-668**	
Težina Weight	kg/m	0.326
Opseg Perimeter	mm	135
L	mm	6500



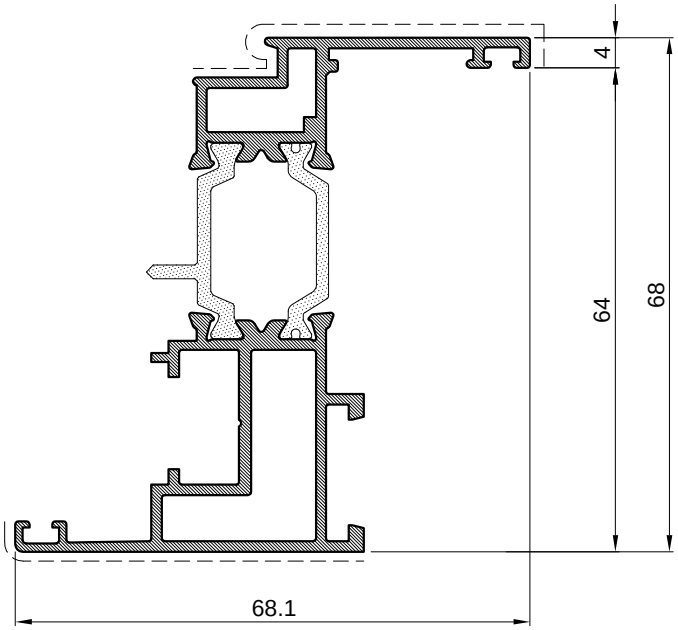
Profil Profile		
Art.Br. Art.Nr.	**Z40-669**	
Težina Weight	kg/m	0.347
Opseg Perimeter	mm	143
L	mm	6500



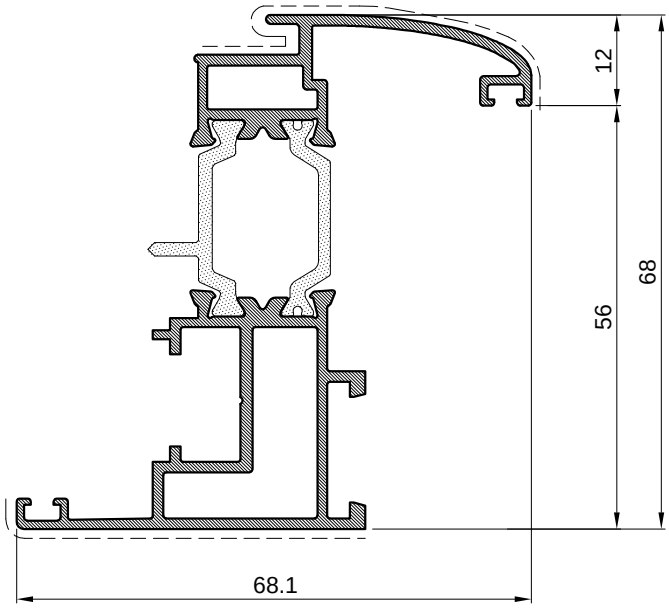
Profil Profile		
Art.Br. Art.Nr.	**Z40-670**	
Težina Weight	kg/m	0.373
Opseg Perimeter	mm	150
L	mm	6500



Profil Profile		
Art.Br. Art.Nr.	**F-0784**	
Težina Weight	kg/m	0.330
Opseg Perimeter	mm	105
L	mm	6500

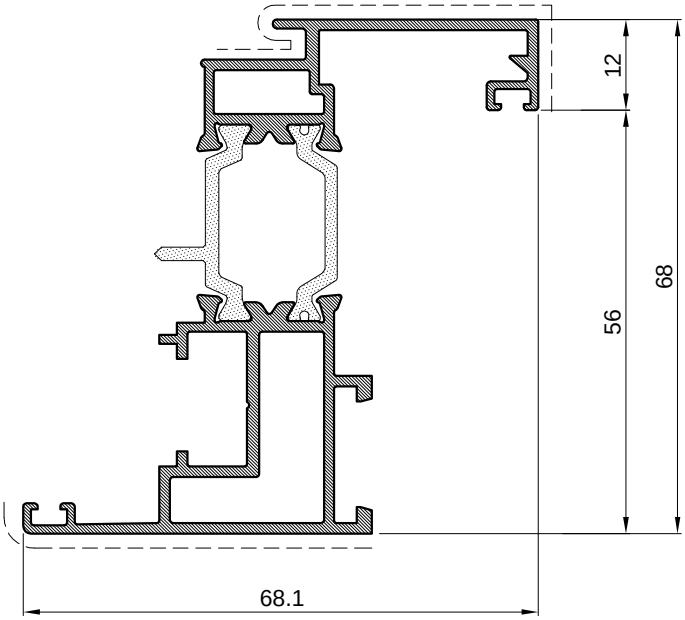


Profil okvira		
Art.-Br.	**FT-0616**	
Težina	kg/m	1.243
Opseg	mm	388
Moment inercije	Ix (cm4)	18.32
	Iy (cm4)	6.46
	Wx (cm4)	6.96
	Wy (cm4)	1.88
Dužina isporuke	mm	6500

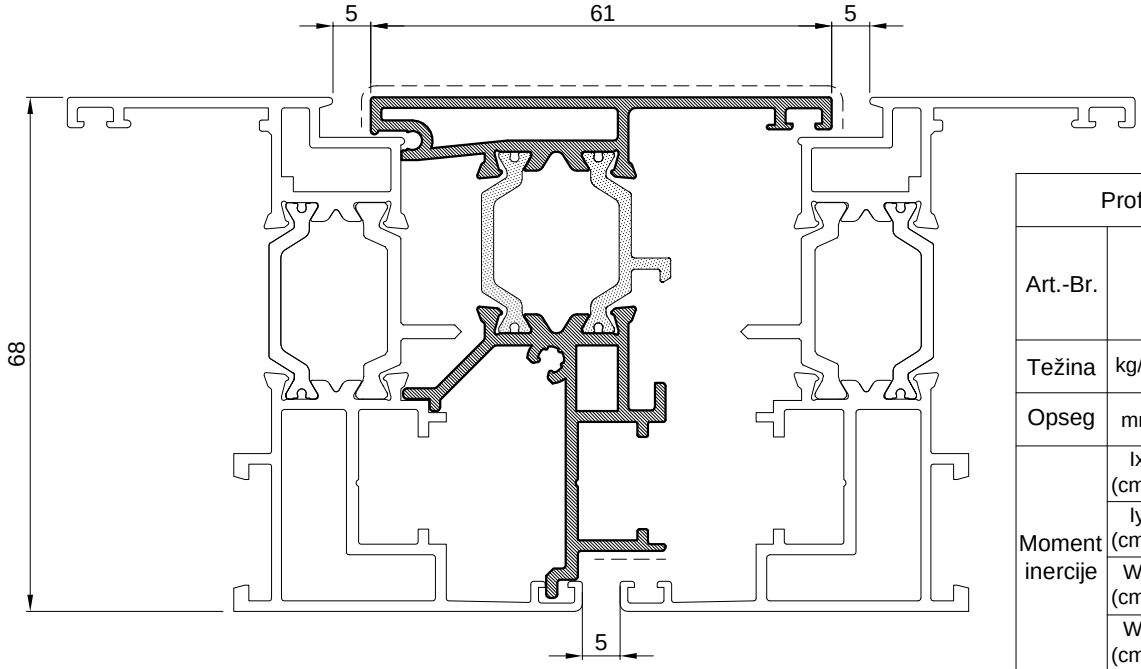


Profil okvira		
Art.-Br.	**FT-0617**	
Težina	kg/m	1.248
Opseg	mm	410
Moment inercije	Ix (cm4)	17.75
	Iy (cm4)	7.21
	Wx (cm4)	6.69
	Wy (cm4)	2.11
Dužina isporuke	mm	6500

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PROFILE WITH XPS HAVE ENDING ,,F"



Profil okvira		
Art.-Br.	**FT-0618**	
Težina	kg/m	1.274
Opseg	mm	423
Moment inercije	Ix (cm4)	18.71
	Iy (cm4)	8.28
	Wx (cm4)	7.25
	Wy (cm4)	2.37
Dužina isporuke	mm	6500



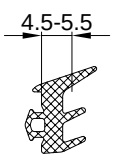
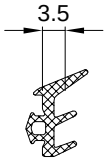
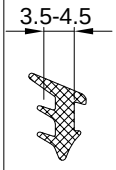
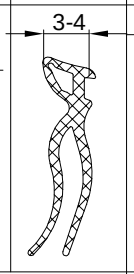
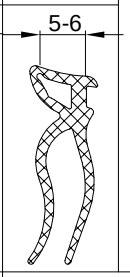
Profil okvira		
Art.-Br.	**FT-0633**	
Težina	kg/m	1.189
Opseg	mm	402
Moment inercije	Ix (cm4)	12.07
	Iy (cm4)	6.46
	Wx (cm4)	3.75
	Wy (cm4)	1.85
Dužina isporuke	mm	6500

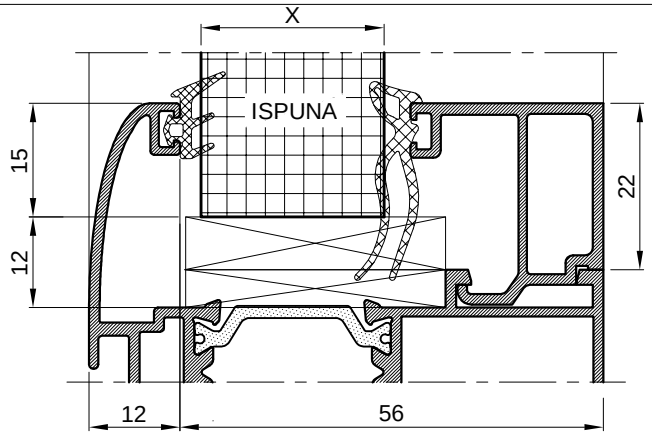
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK ,,F"
PROFILE WITH XPS HAVE ENDING ,,F"

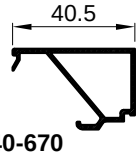
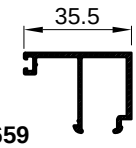
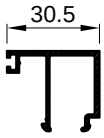
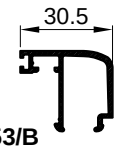
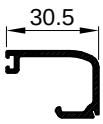
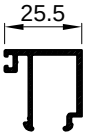
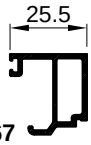
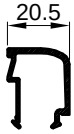
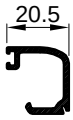
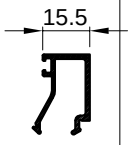
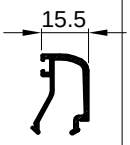
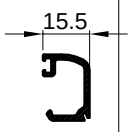
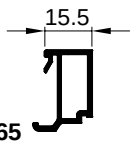
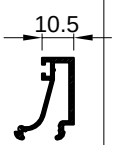
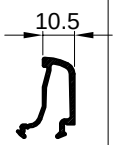
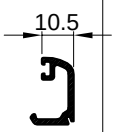
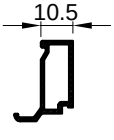
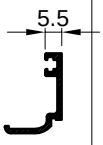
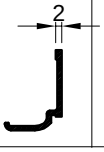
Prikaz stakljenja
Glazing

Vanjska brtva
Outside gasket

Unutarnje brtve
Inside gasket

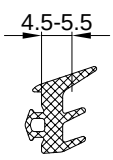
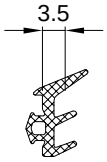
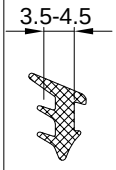
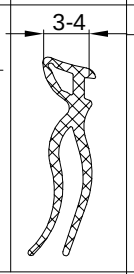
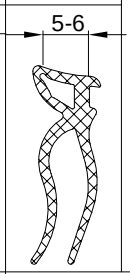
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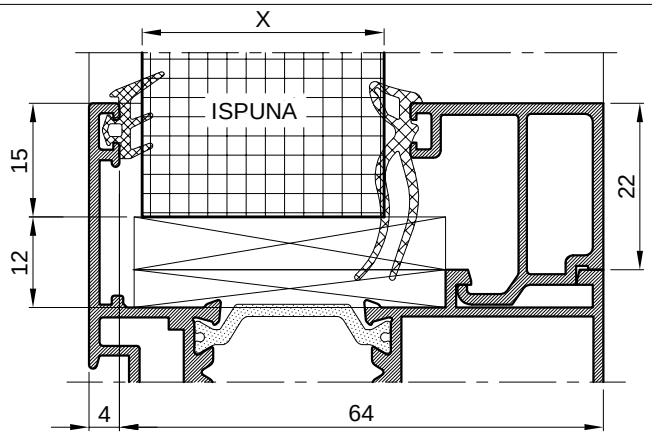


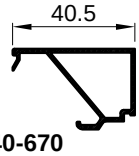
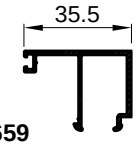
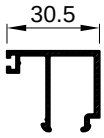
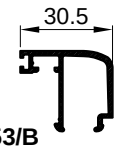
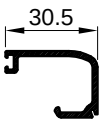
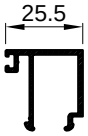
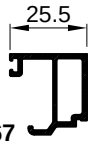
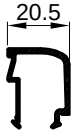
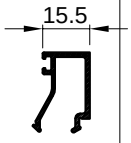
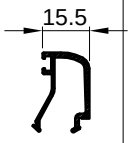
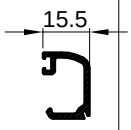
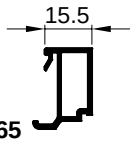
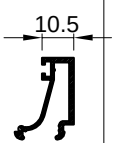
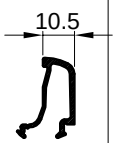
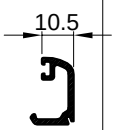
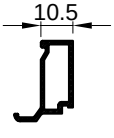
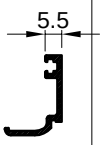
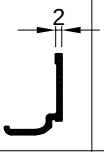
Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS			
4-5	321.003	311.004				 **Z40-670**
6-7	321.002	311.004				
8	321.002	311.003 (311.002)				
9-10	321.003	311.004	 **Z40-659**			 **Z40-669**
11-12	321.002	311.004				
13	321.002	311.003 (311.002)				
14-15	321.003	311.004	 **Z40-653**	 **Z40-653/B**	 **Z40-661**	 **Z40-668**
16-17	321.002	311.004				
18	321.002	311.003 (311.002)				
19-20	321.003	311.004	 **Z40-658**			 **Z40-667**
21-22	321.002	311.004				
23	321.002	311.003 (311.002)				
24-25	321.003	311.004	 **Z40-644**	 **Z40-646**	 **Z40-648**	 **Z40-666**
26-27	321.002	311.004				
28	321.002	311.003 (311.002)				
29-30	321.003	311.004	 **M45-709**	 **M45-740**	 **Z40-662**	 **Z40-665**
31-32	321.002	311.004				
33	321.002	311.003 (311.002)				
34-35	321.003	311.004	 **Z40-636**	 **Z40-647**	 **Z40-649**	 **Z40-664**
36-37	321.002	311.004				
38	321.002	311.003 (311.002)				
39-40	321.003	311.004	 **Z40-656**			
41-42	321.002	311.004				
43	321.002	311.003 (311.002)				
44	321.003	311.004	 **Z40-660**			
45	321.002	311.004				
46	321.002	311.003 (311.002)				

Vanjska brtva
Outside gasket

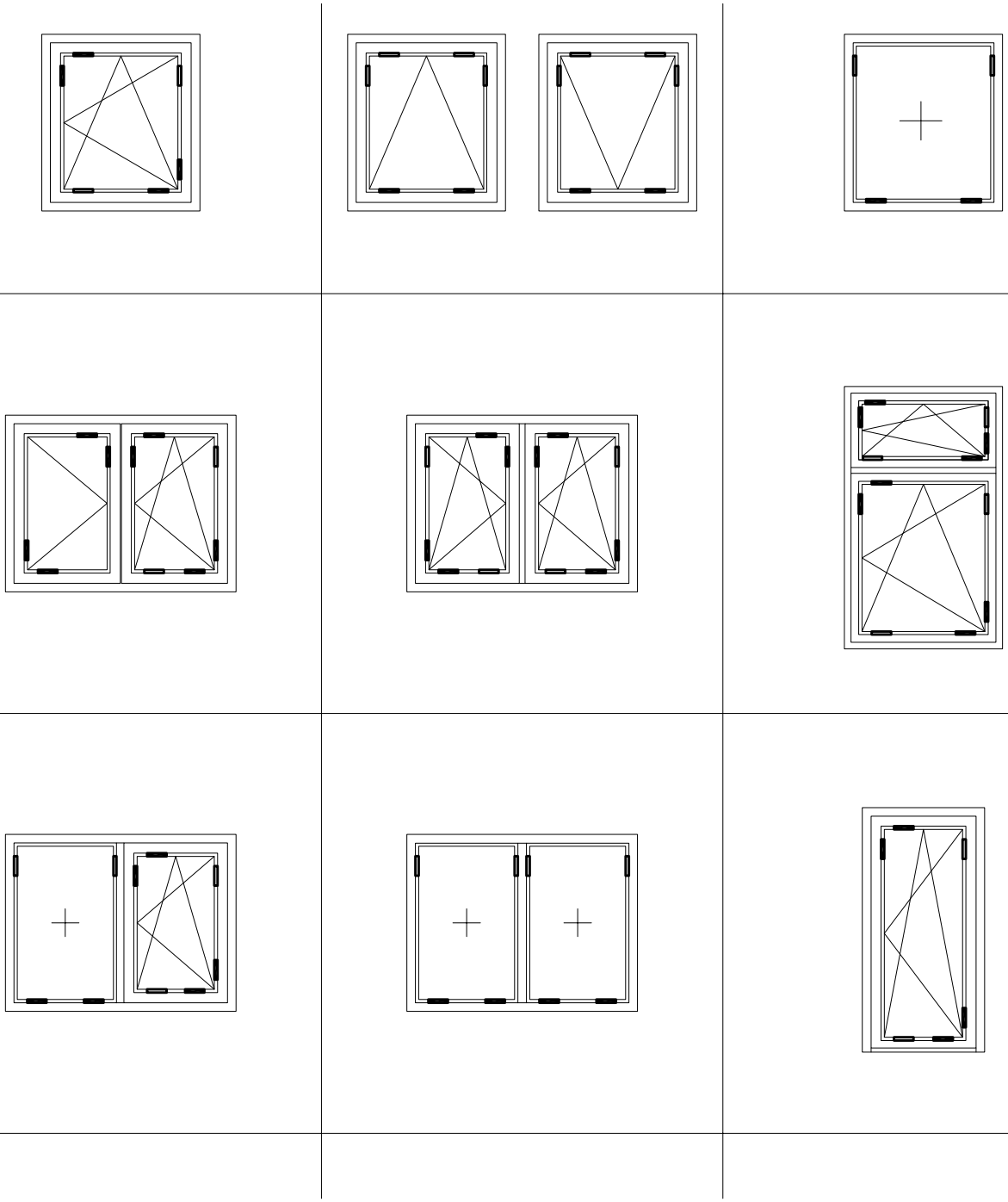
Unutarnje brtve
Inside gasket

321.003 (Z113)	321.002 (Z111)	311.002 (918)	311.003	311.004
				



Ispuna X Fillings X	Vanjska brtva Outside gas.	Unutar. brtva Inside gasket	LAJSNE ZA STAKLO BEAD FOR GLASS			
12-13	321.003	311.004				 Z40-670
14-15	321.002	311.004				
16	321.002	311.003 (311.002)				
17-18	321.003	311.004	 Z40-659			 Z40-669
19-20	321.002	311.004				
21	321.002	311.003 (311.002)				
22-23	321.003	311.004	 Z40-653	 Z40-653/B	 Z40-661	 Z40-668
24-25	321.002	311.004				
26	321.002	311.003 (311.002)				
27-28	321.003	311.004	 Z40-658			 Z40-667
29-30	321.002	311.004				
31	321.002	311.003 (311.002)				
32-33	321.003	311.004	 Z40-644	 Z40-646	 Z40-648	 Z40-666
34-35	321.002	311.004				
36	321.002	311.003 (311.002)				
37-38	321.003	311.004	 M45-709	 M45-740	 Z40-662	 Z40-665
39-40	321.002	311.004				
41	321.002	311.003 (311.002)				
42-43	321.003	311.004	 Z40-636	 Z40-647	 Z40-649	 Z40-664
44-45	321.002	311.004				
46	321.002	311.003 (311.002)				
47-48	321.003	311.004	 Z40-656			
49-50	321.002	311.004				
51	321.002	311.003 (311.002)				
52	321.003	311.004	 Z40-660			
53	321.002	311.004				
54	321.002	311.003 (311.002)				

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

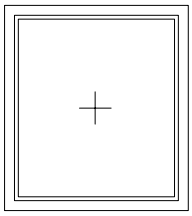


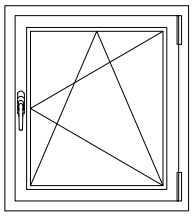
nosivi podmetač
support packer

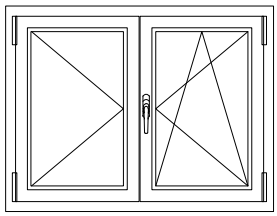
odstojni podmetač
distance packer

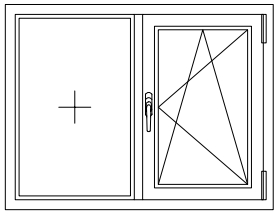
Materijal podmetača: PVC
Material packers: PVC

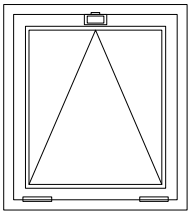
Presjeci
Cross section

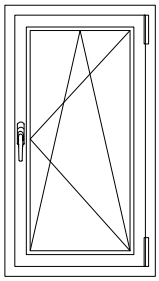


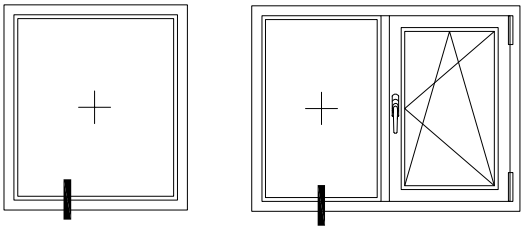


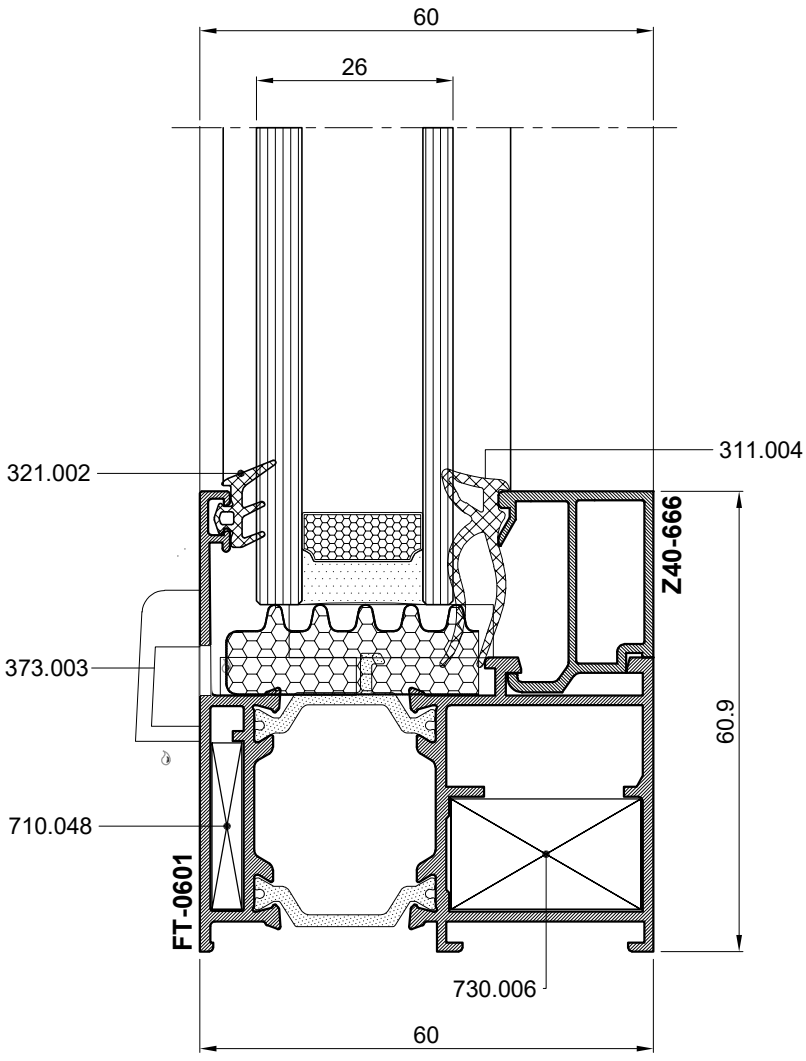


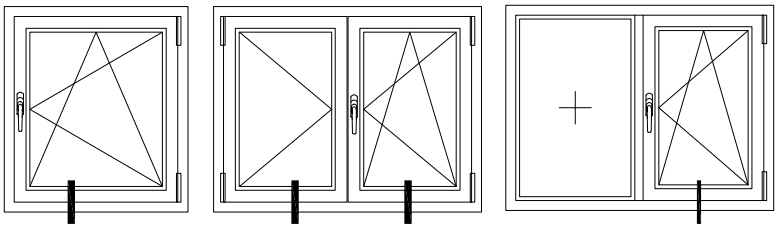


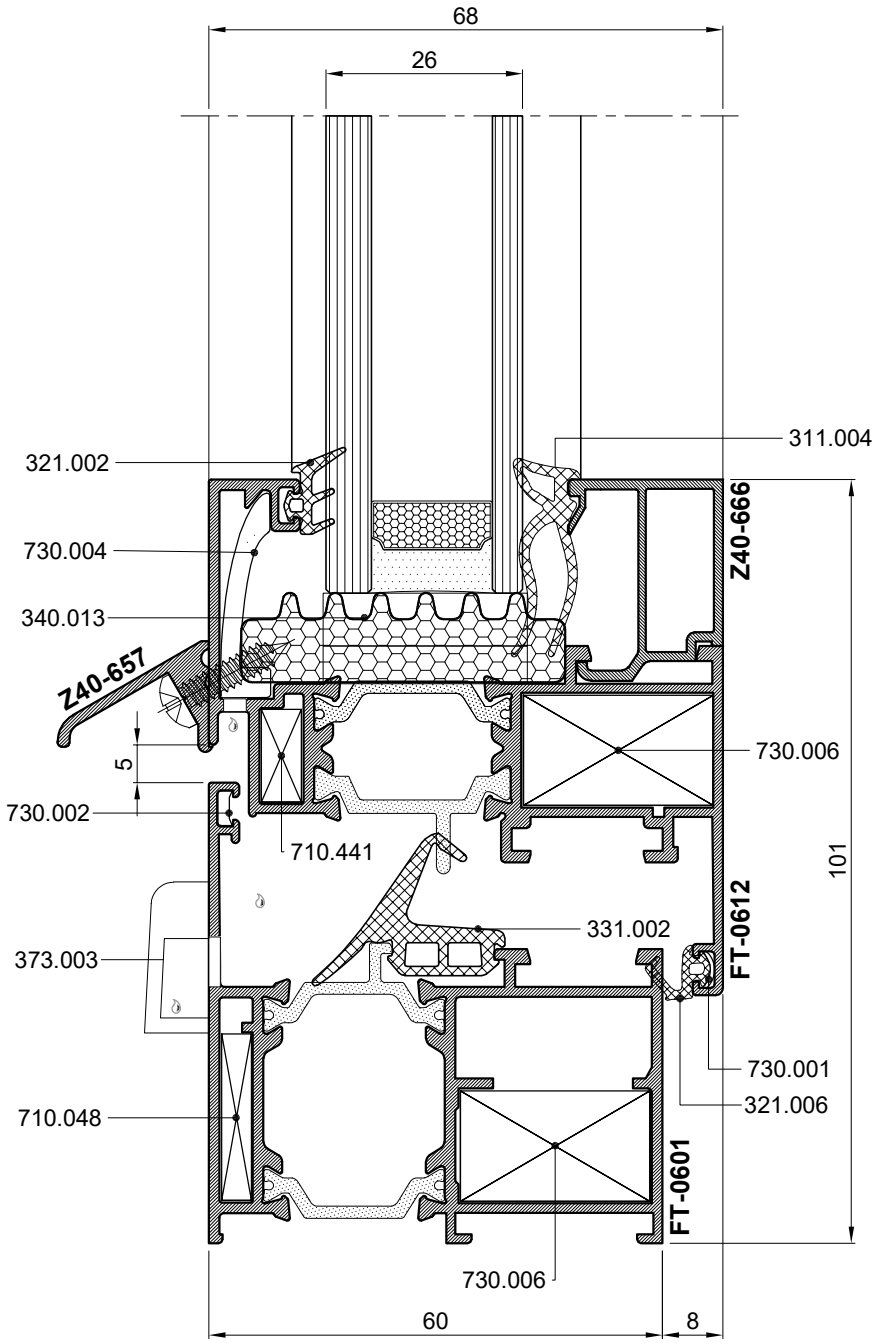


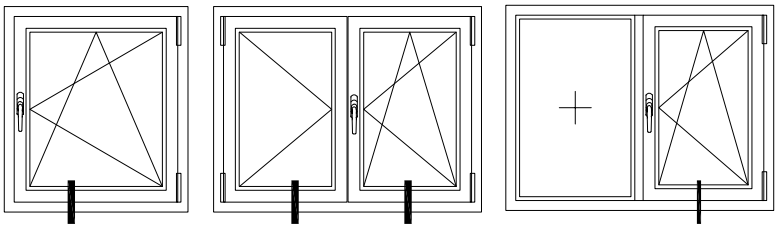


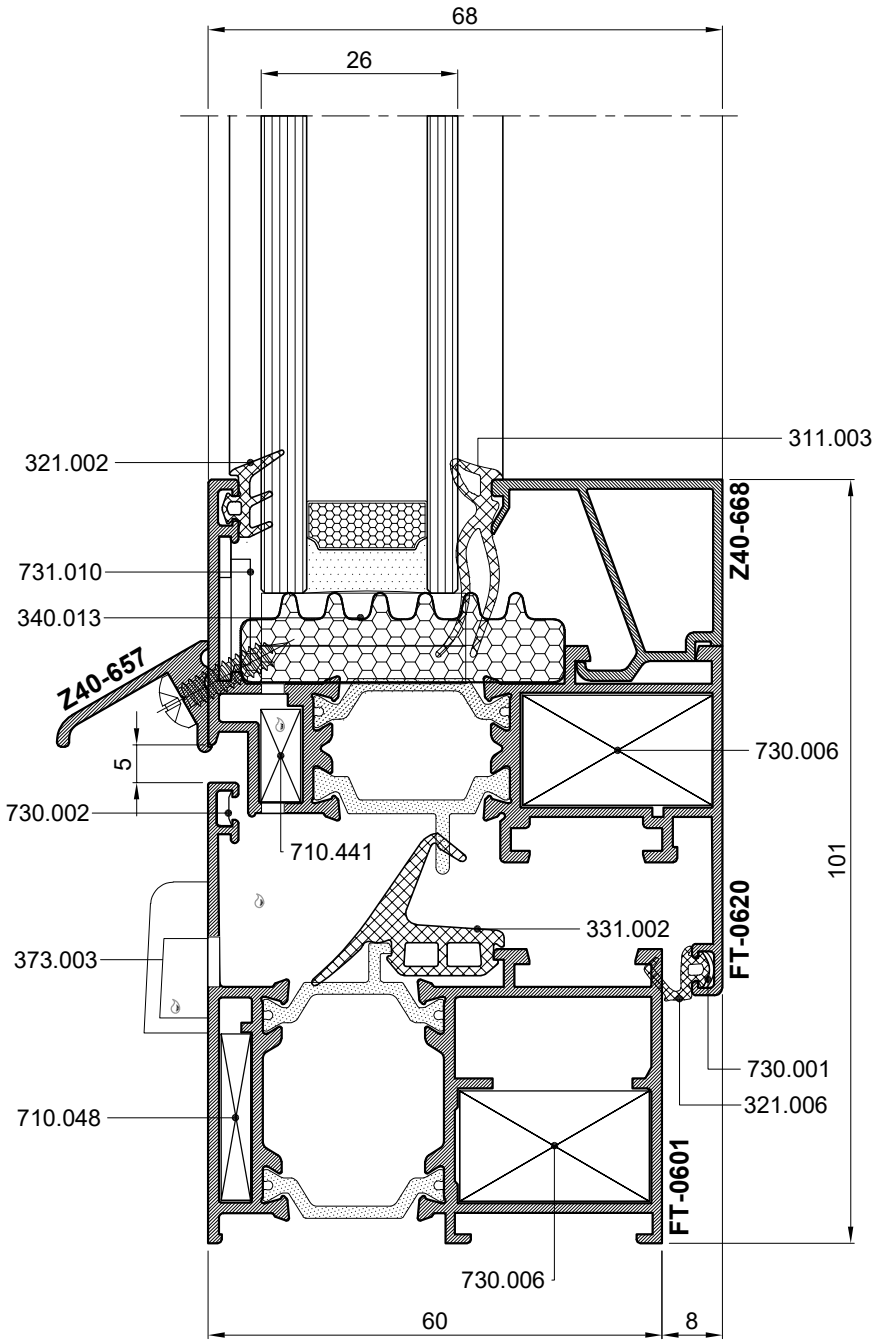


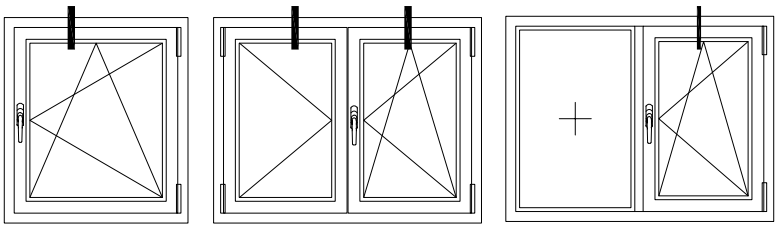

60
26
321.002
311.004
Z40-666
373.003
60.9
710.048
FT-0601
730.006
60

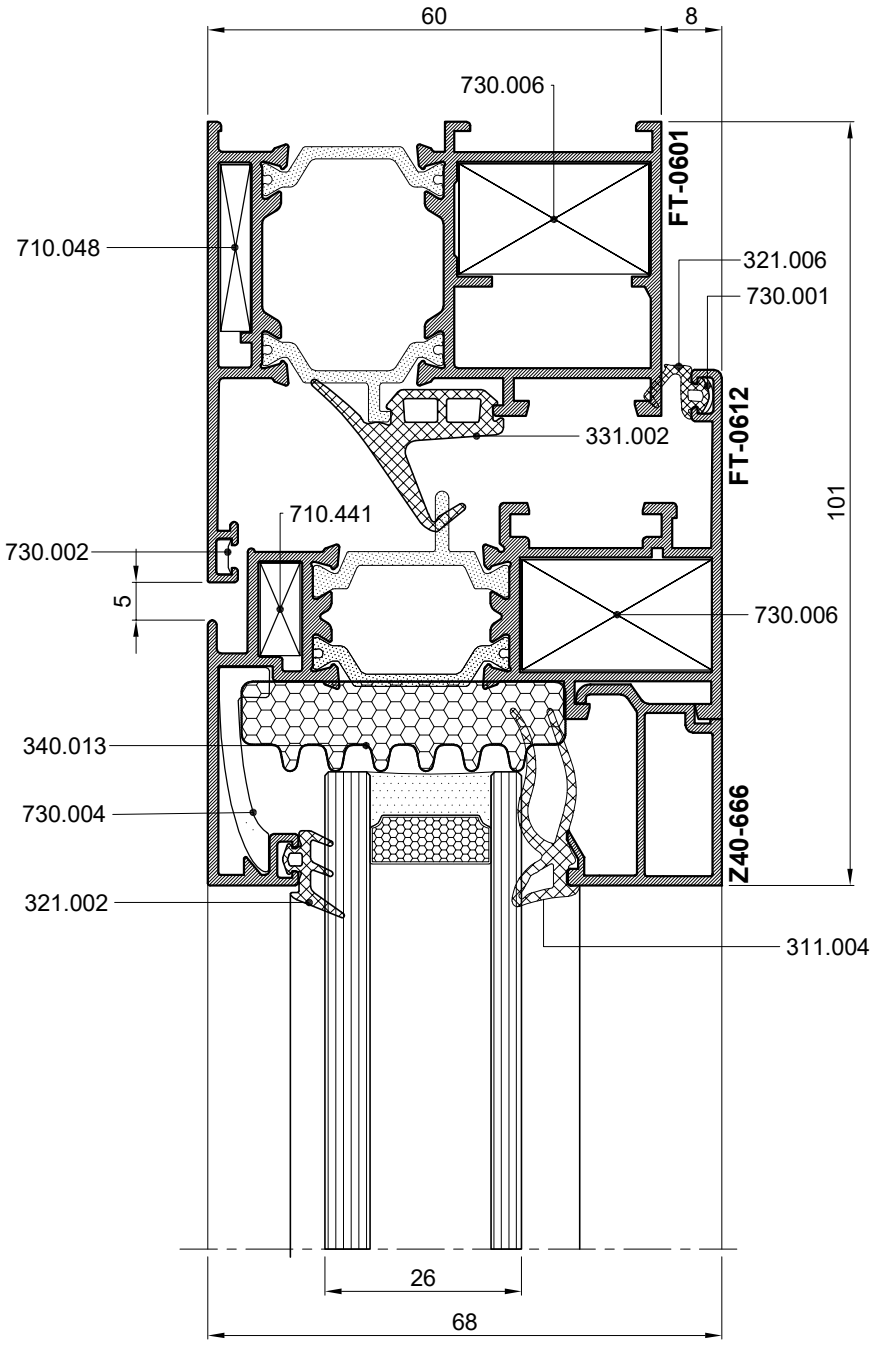


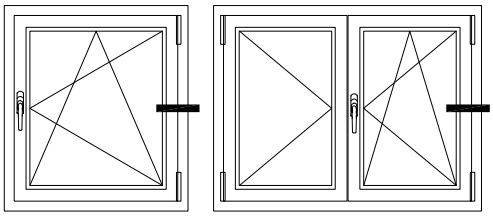

68
26
321.002
730.004
340.013
Z40-657
5
730.002
710.441
373.003
710.048
730.006
60
8
311.004
Z40-666
730.006
101
331.002
FT-0612
730.001
321.006
FT-0601

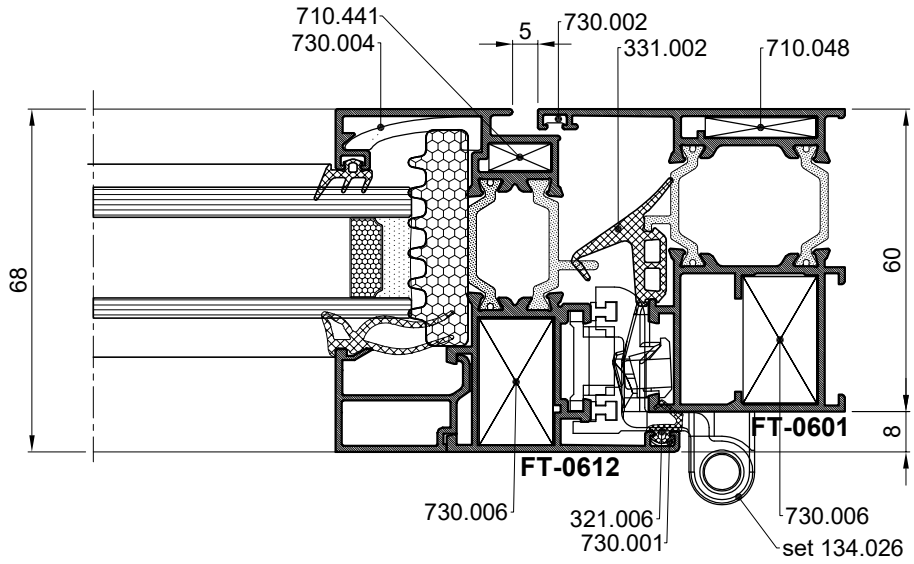



68
26
311.003
321.002
731.010
340.013
Z40-668
Z40-657
730.006
5
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FT-0601
730.006
60
8

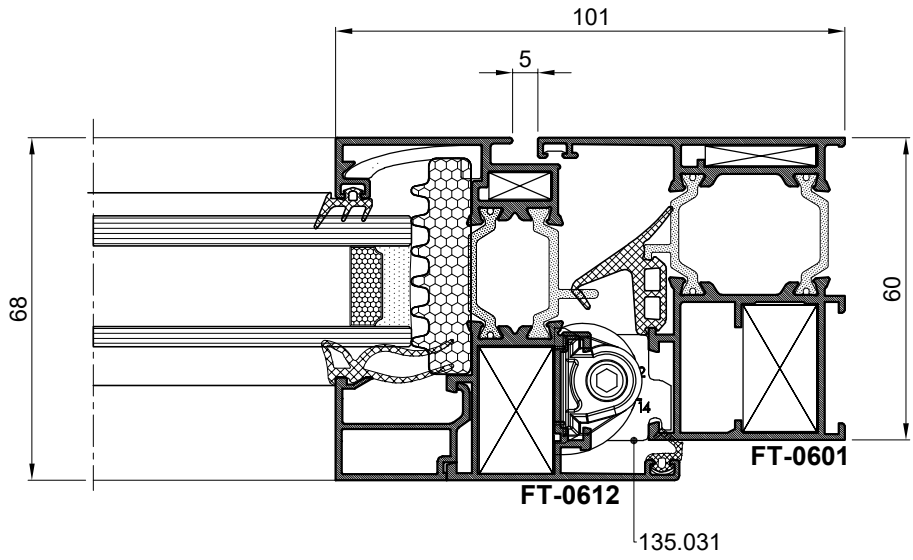


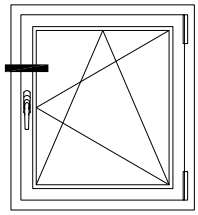

60
8
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FT-0601
710.048
321.006
730.001
331.002
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5
101
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311.004
26
68

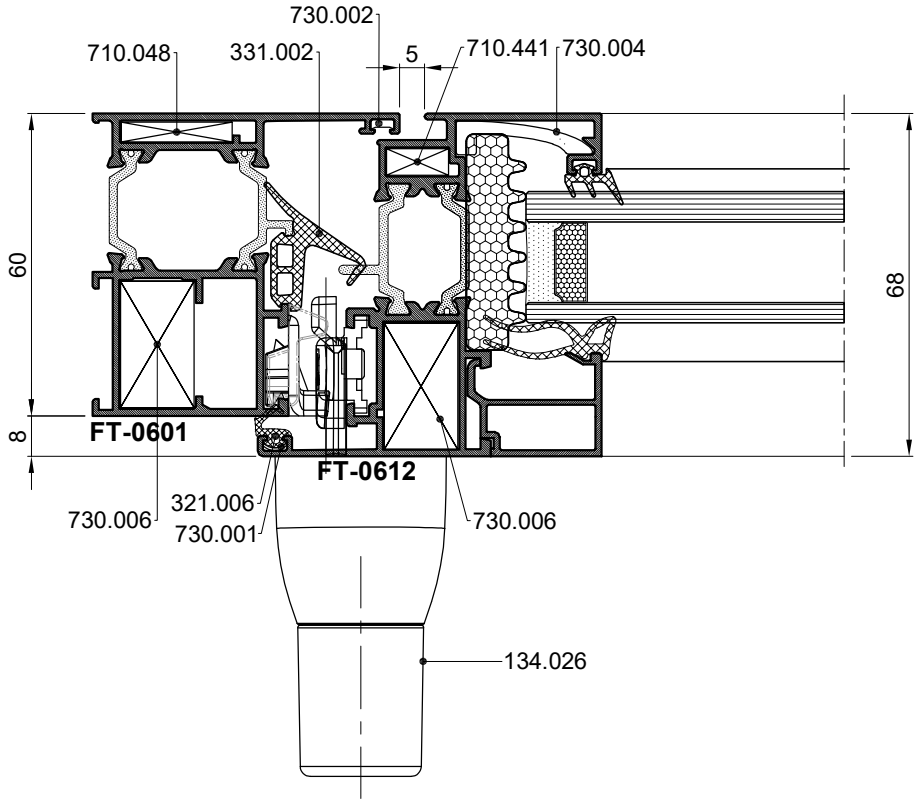




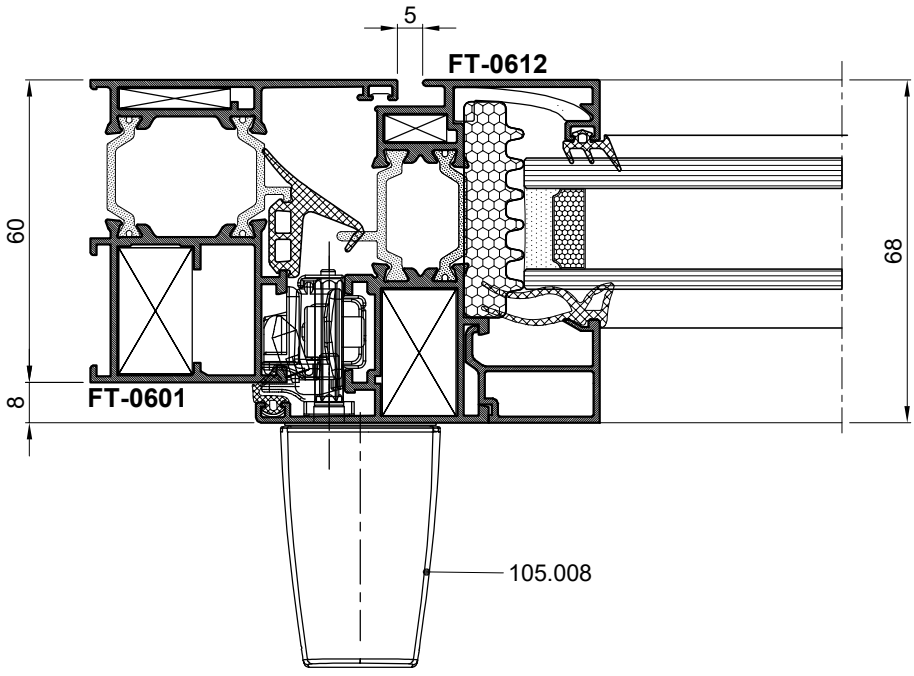
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

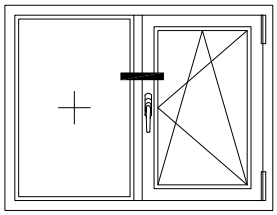


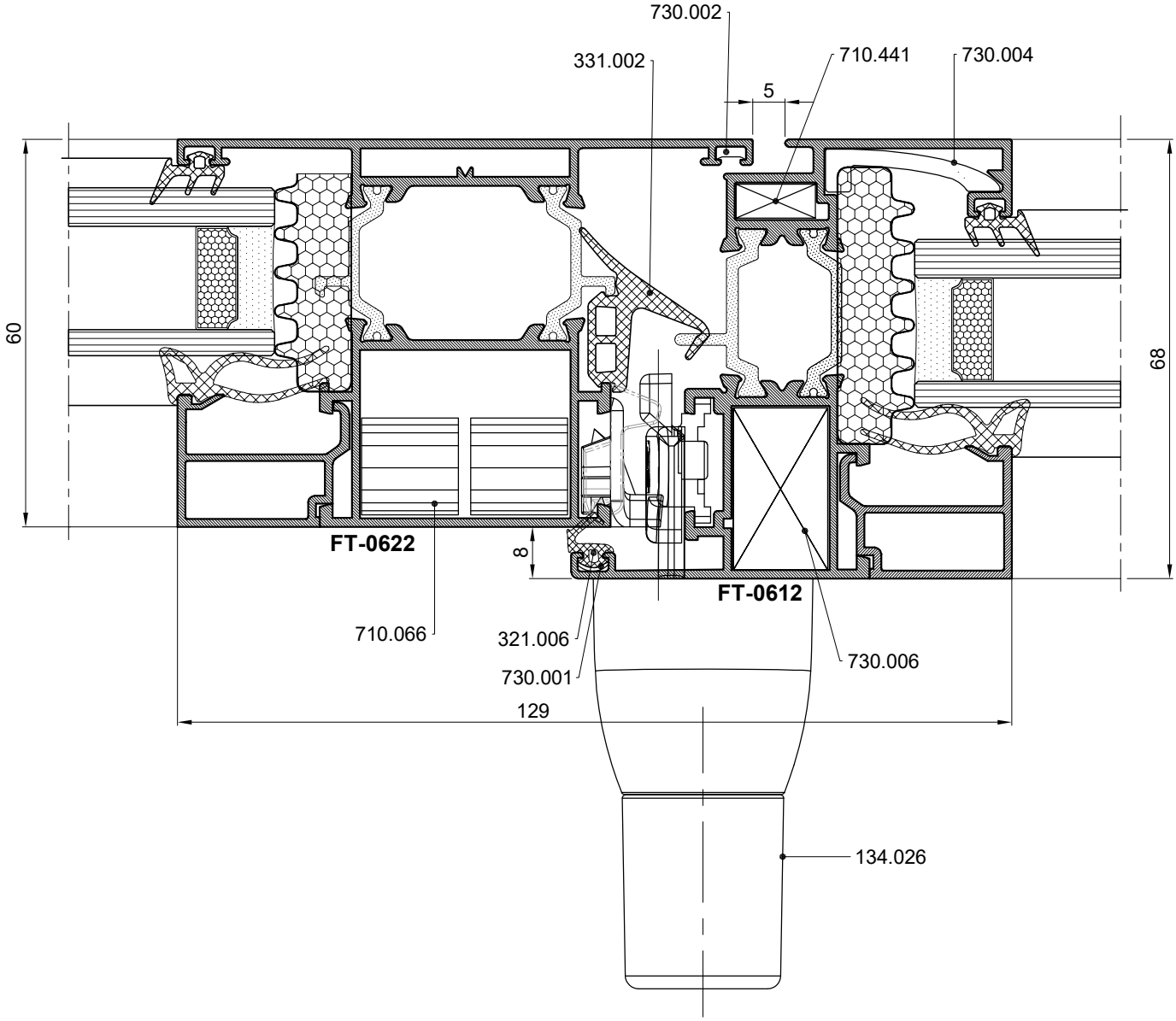


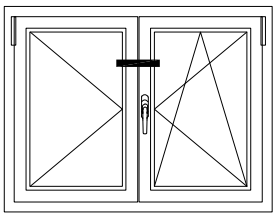


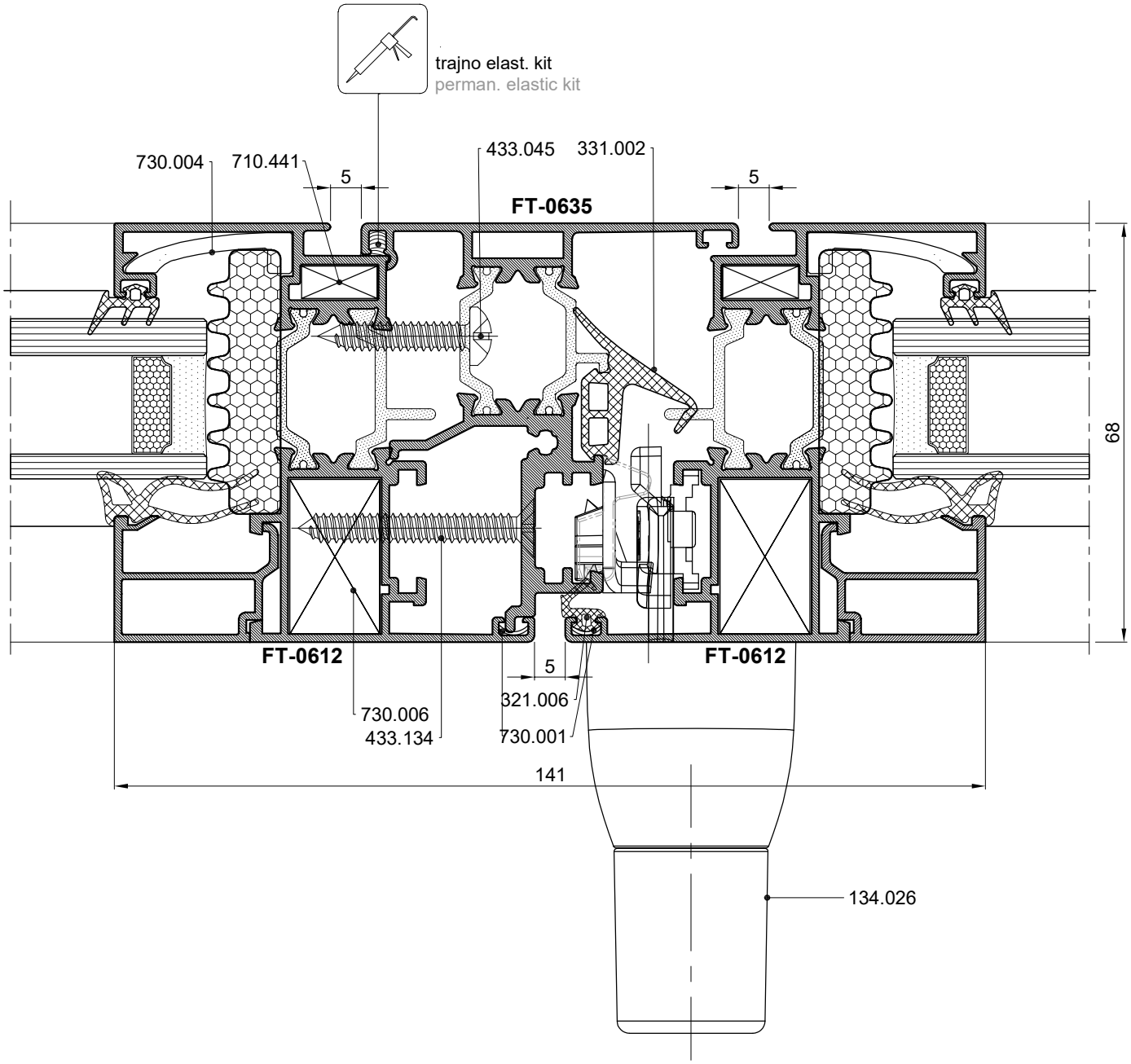
Detalj sa skrivenim okovom
Details with hidden tilt-turn mechanism

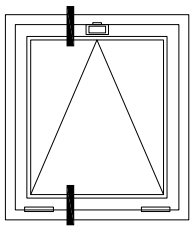




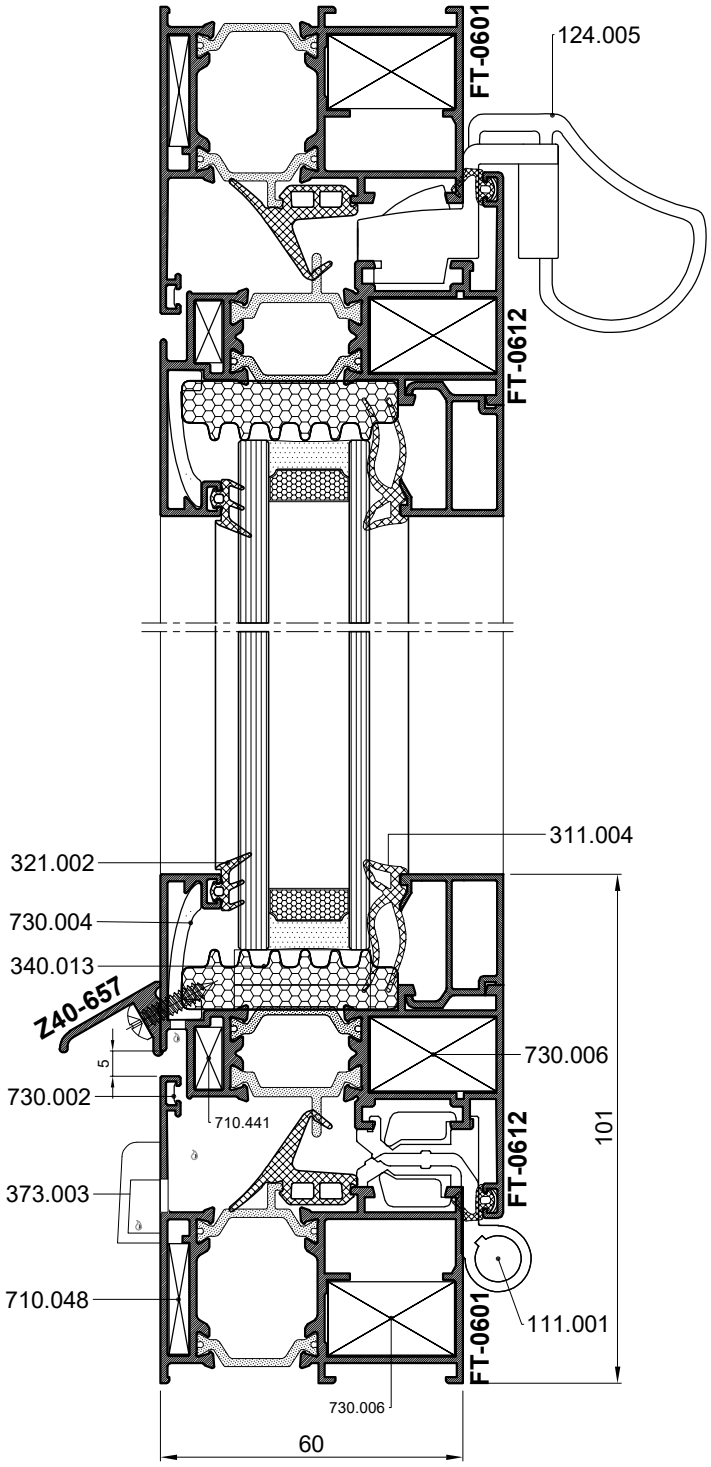

730.002
331.002
710.441
730.004
5
60
68
FT-0622
8
FT-0612
710.066
321.006
730.001
730.006
129
134.026

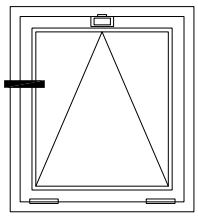



trajno elast. kit
perman. elastic kit
730.004
710.441
5
433.045
331.002
5
FT-0635
68
FT-0612
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433.134
141
134.026

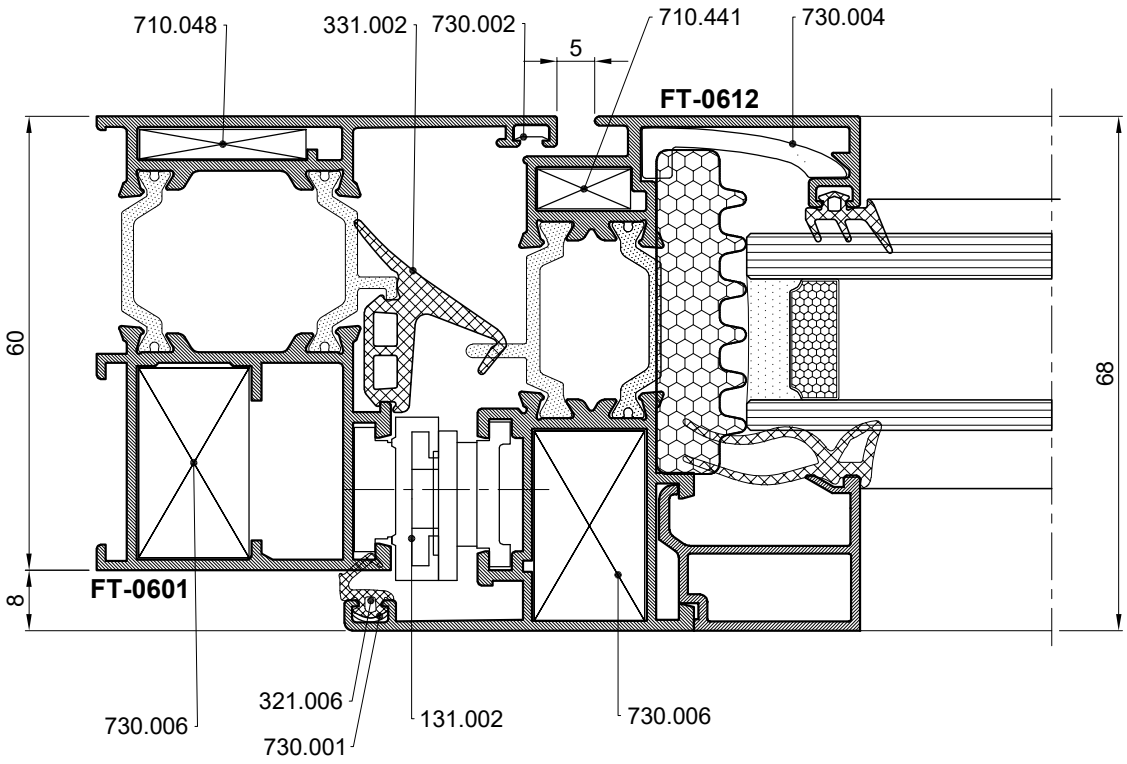


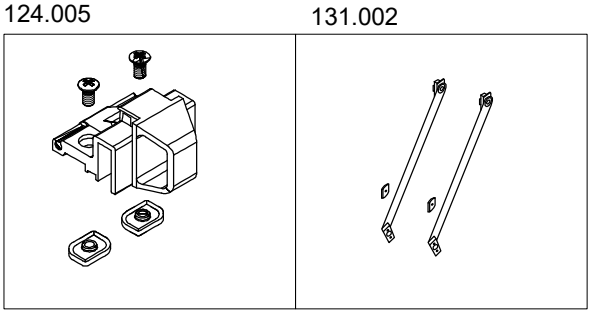
OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

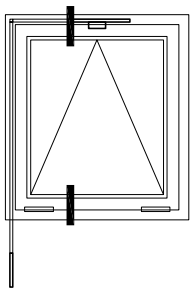




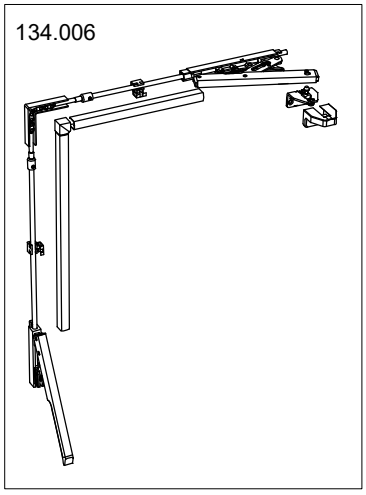
OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
TILT WINDOW - VENTUS
with lock for closing - (124.005) and scissors (131.002)

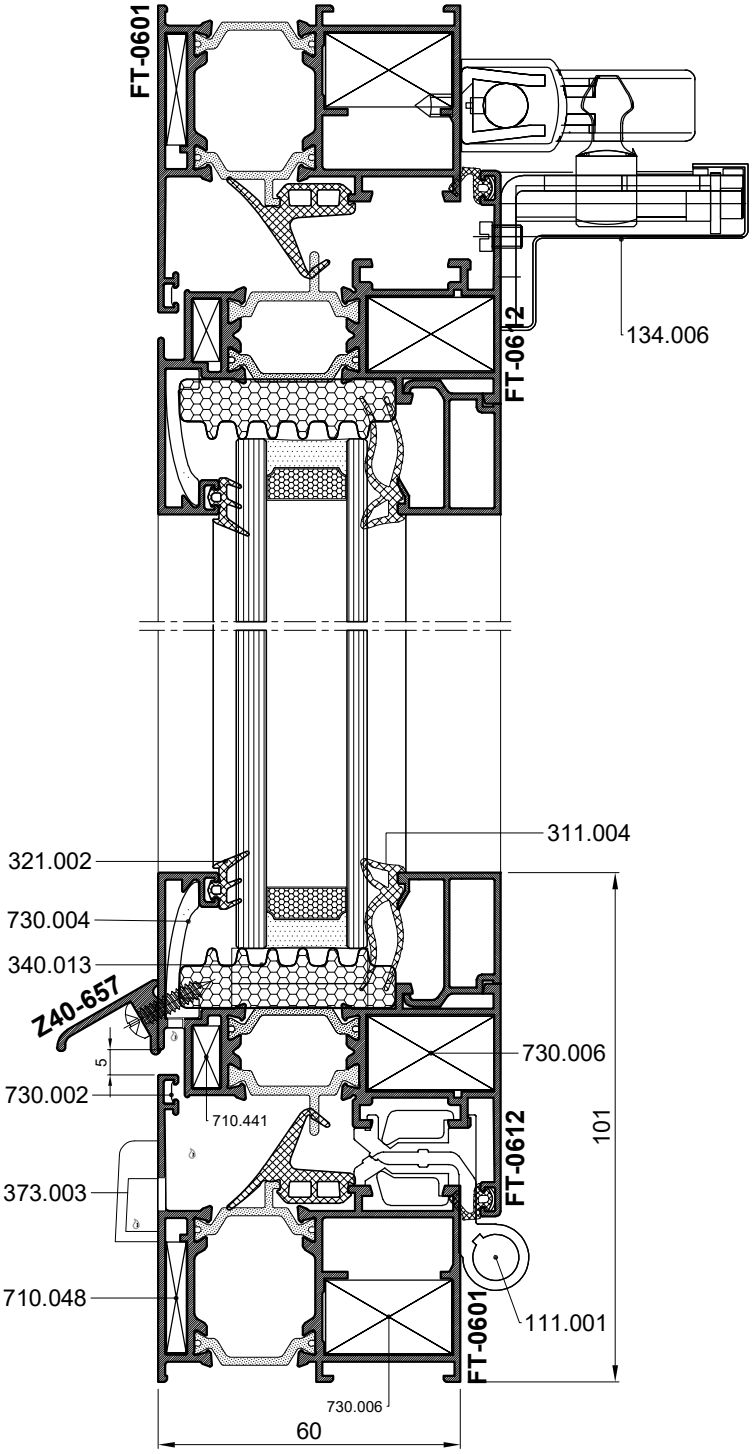




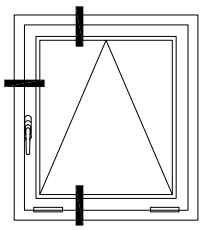


OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)
TILT WINDOW - VENTUS with handle for height (134.006)

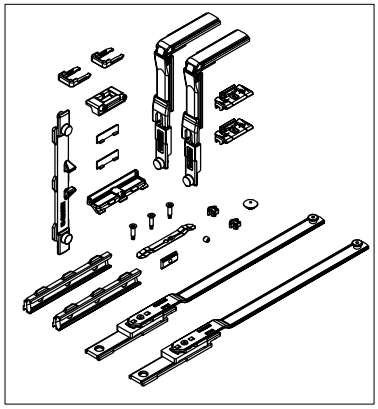


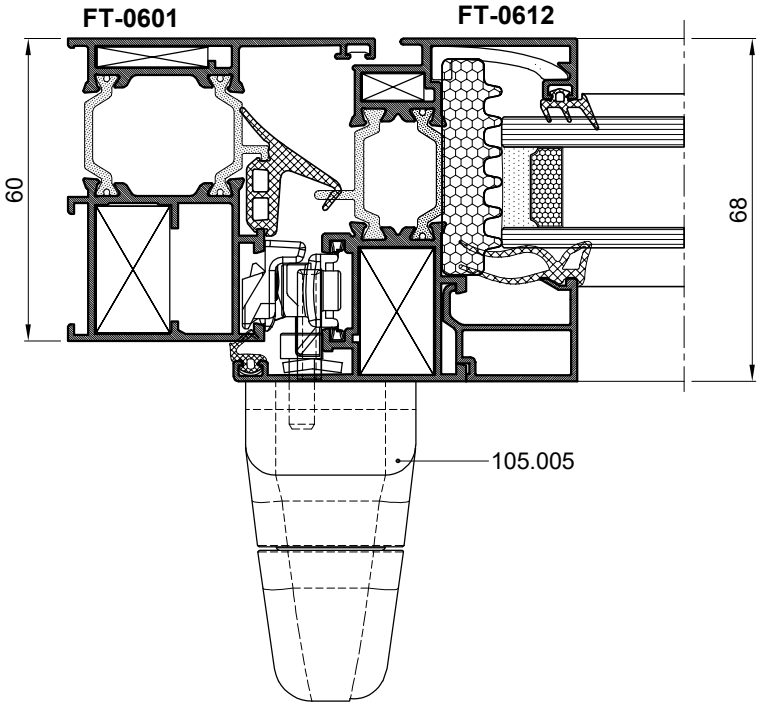


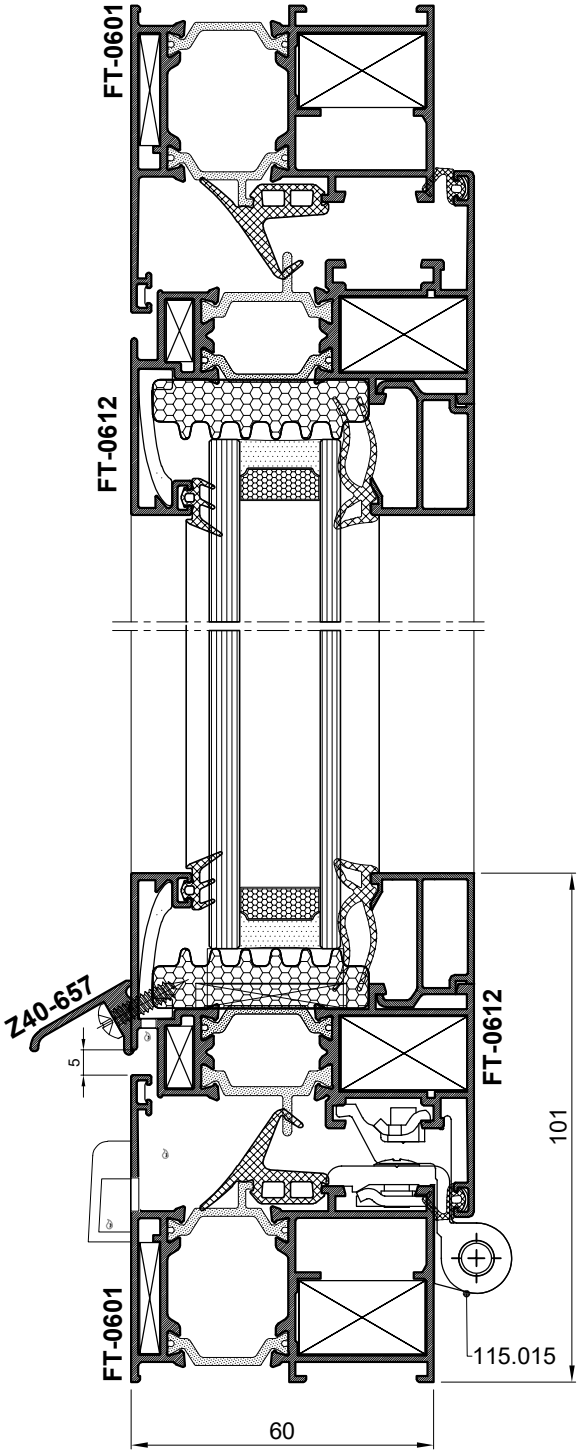
OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)
TILT WINDOW - VENTUS with handle on side (135.042)

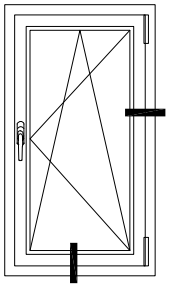


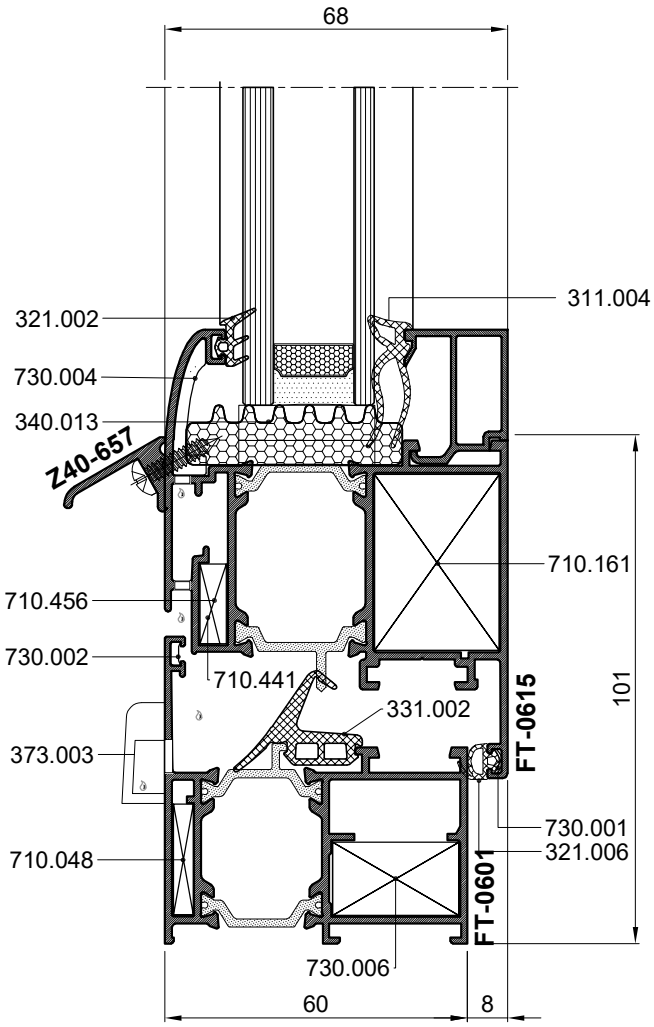
135.042

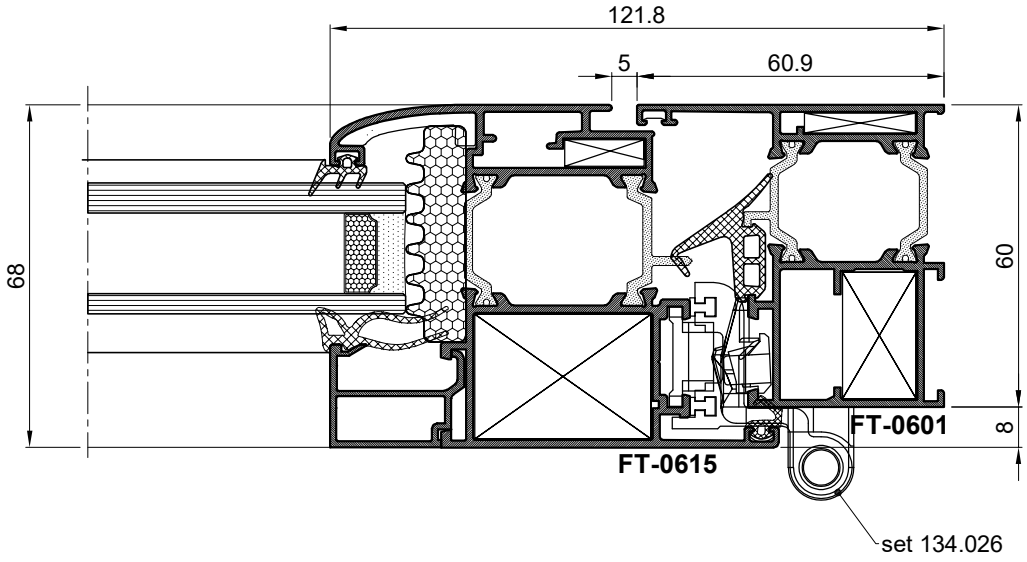


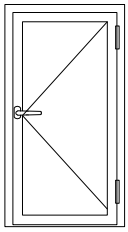


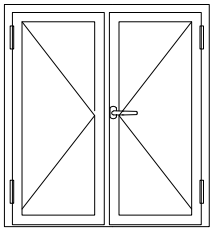


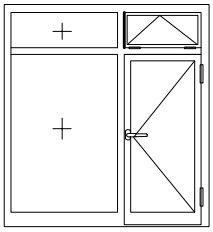


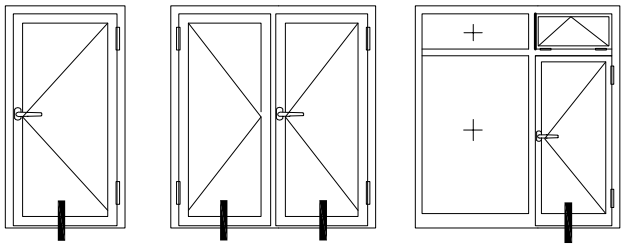

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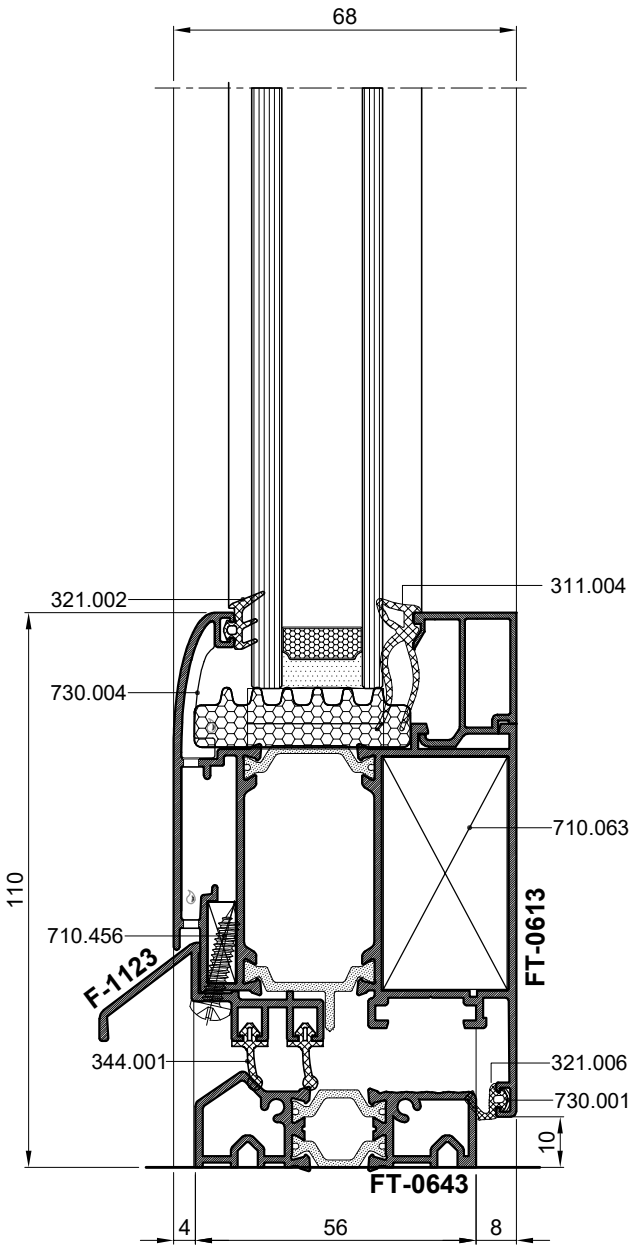

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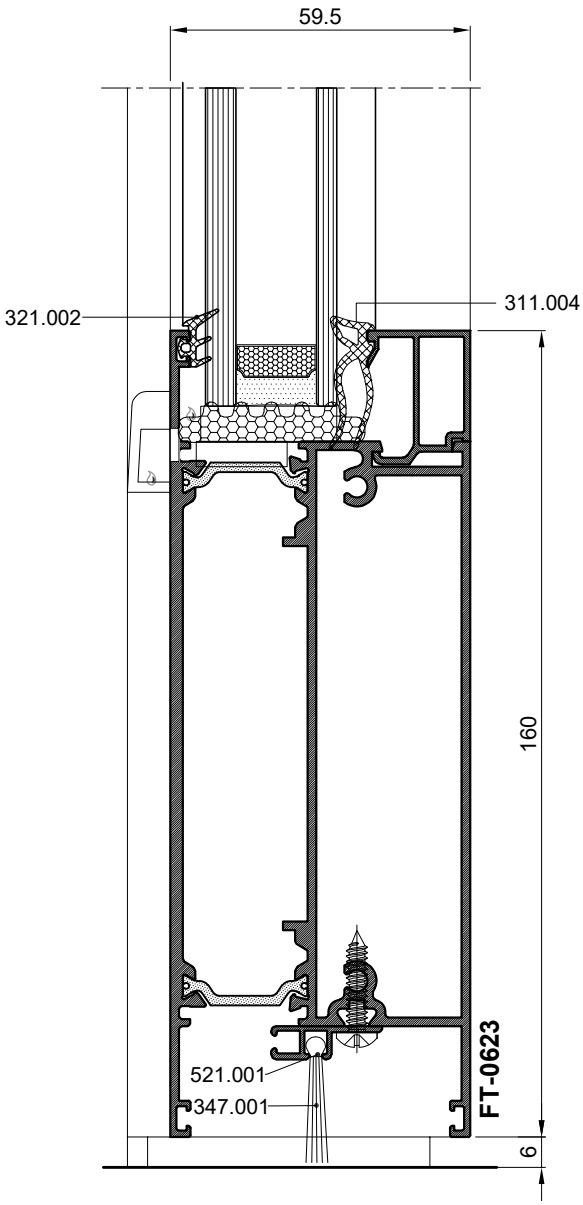


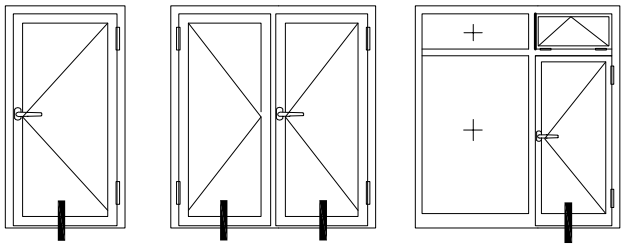


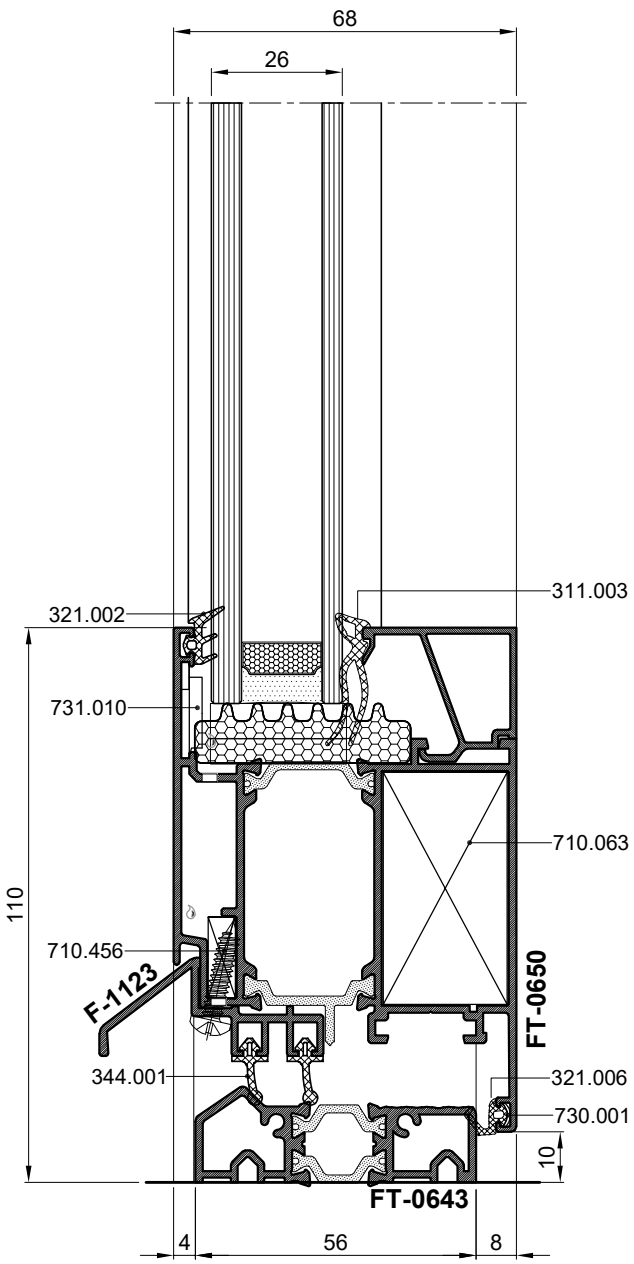


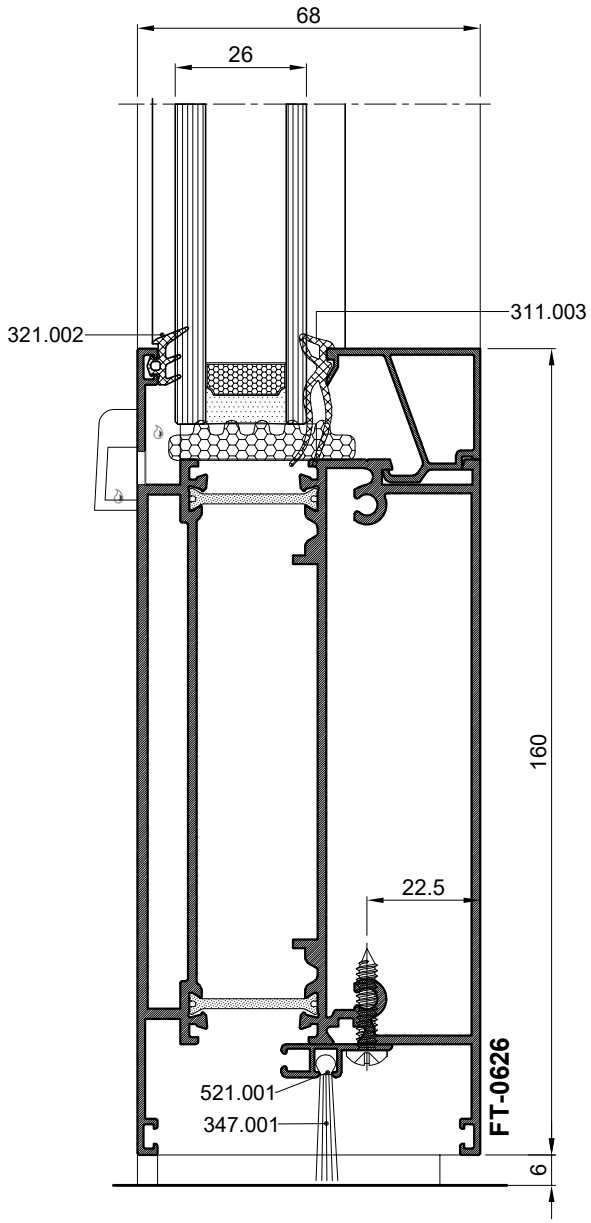


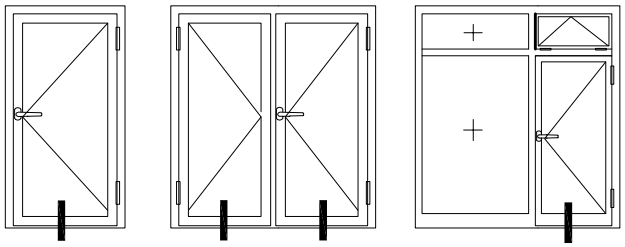

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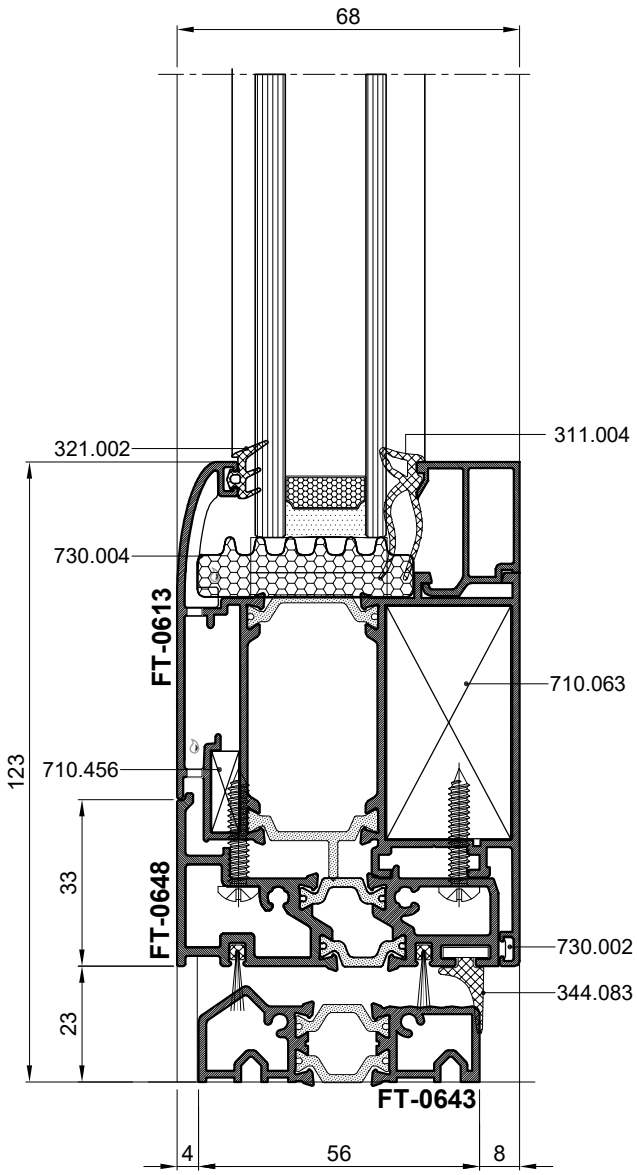

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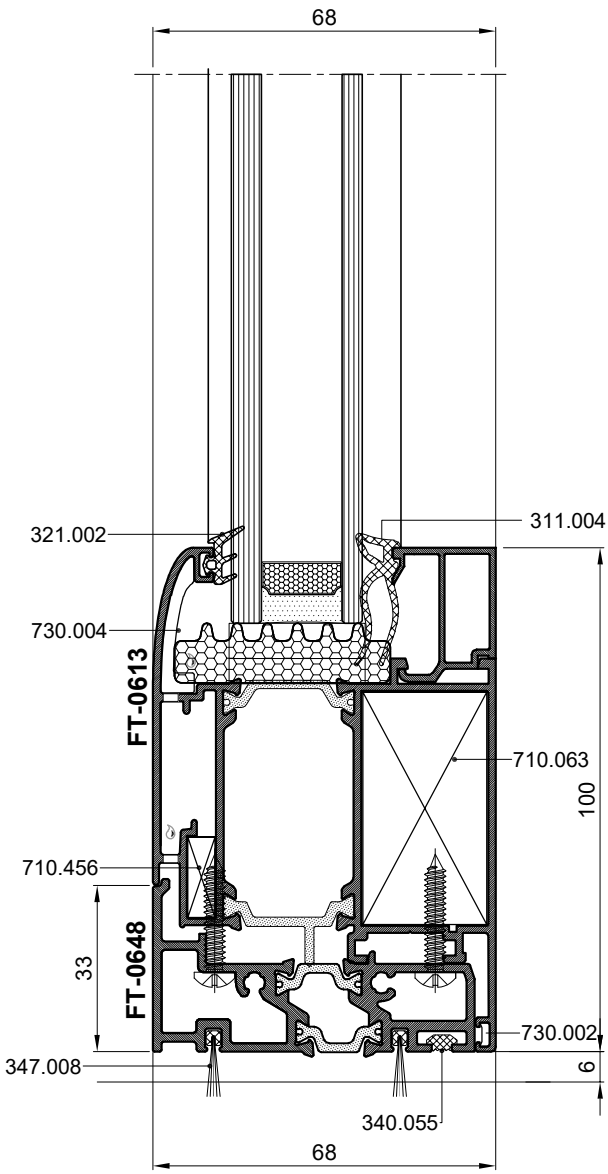


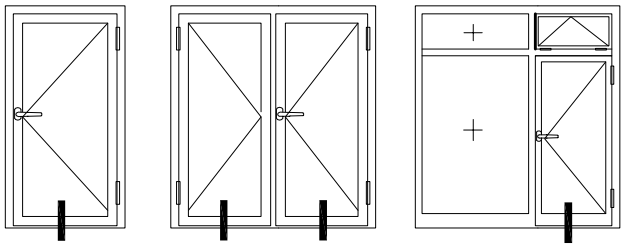

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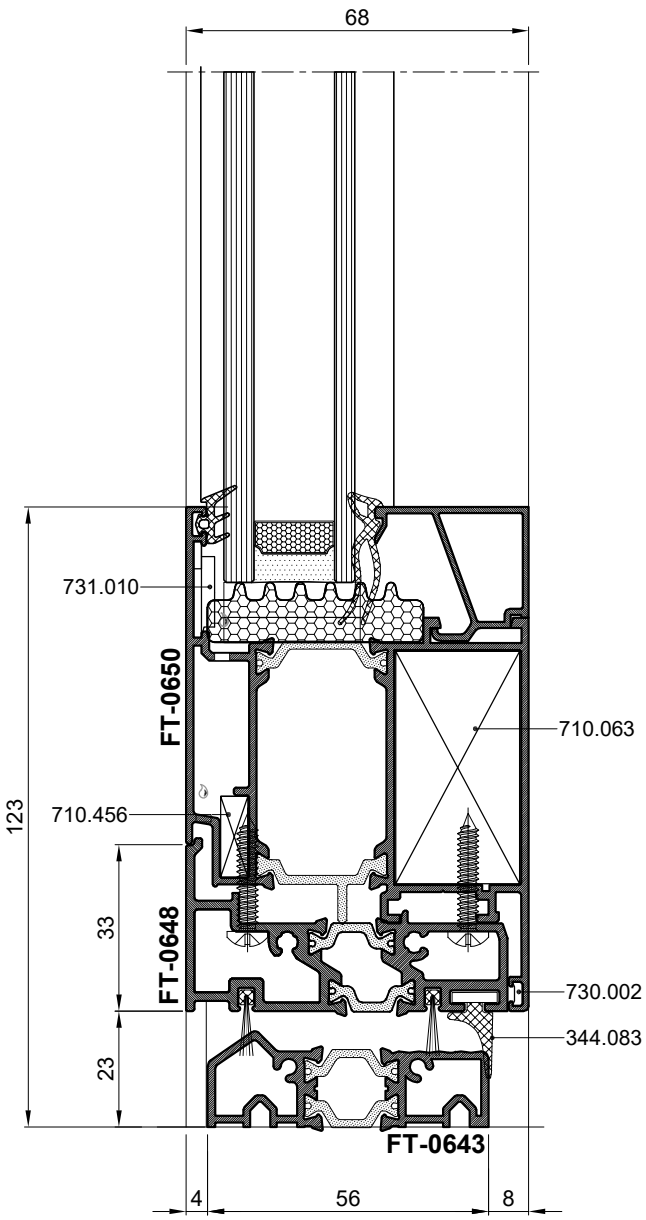

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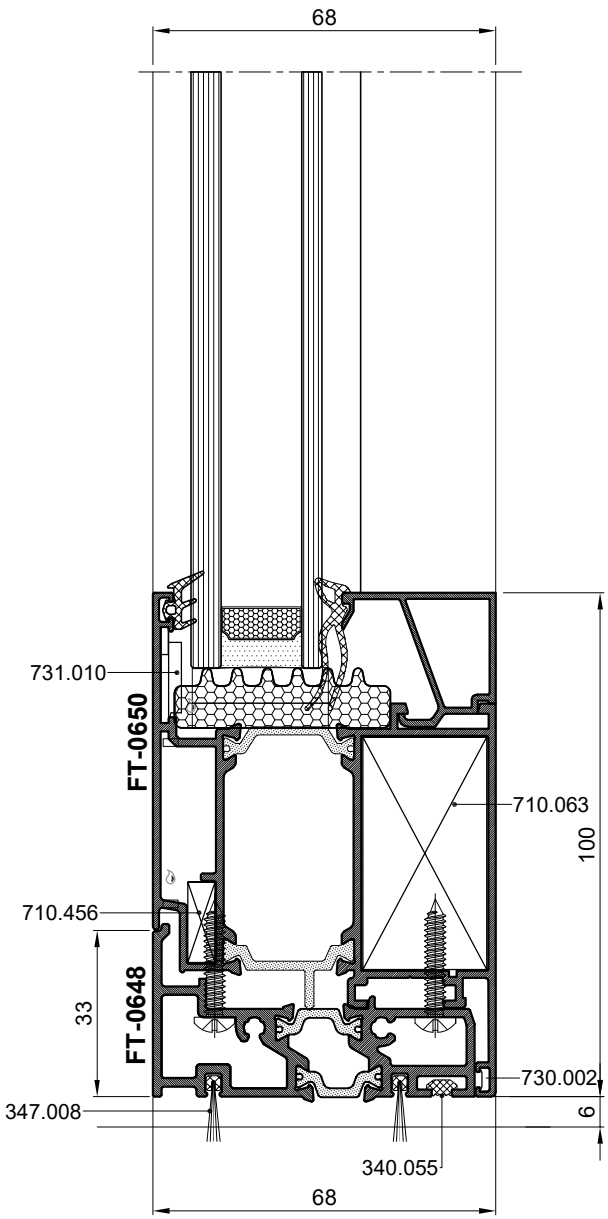


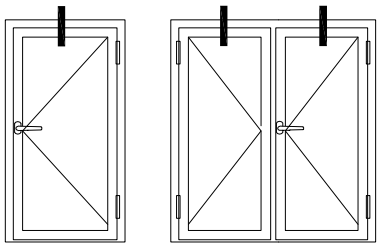

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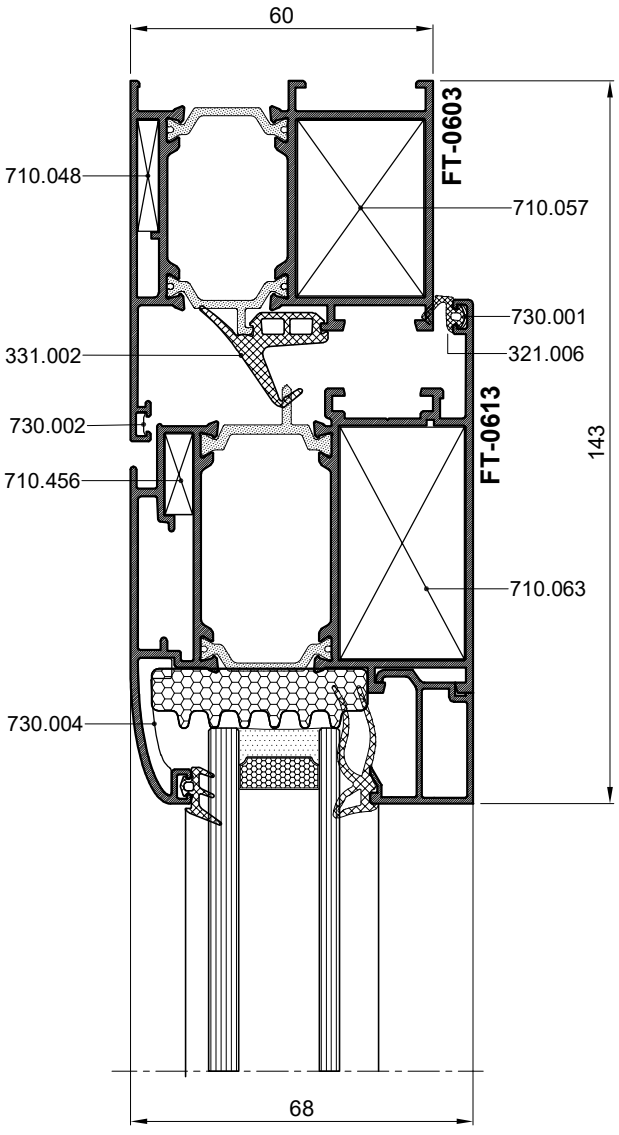

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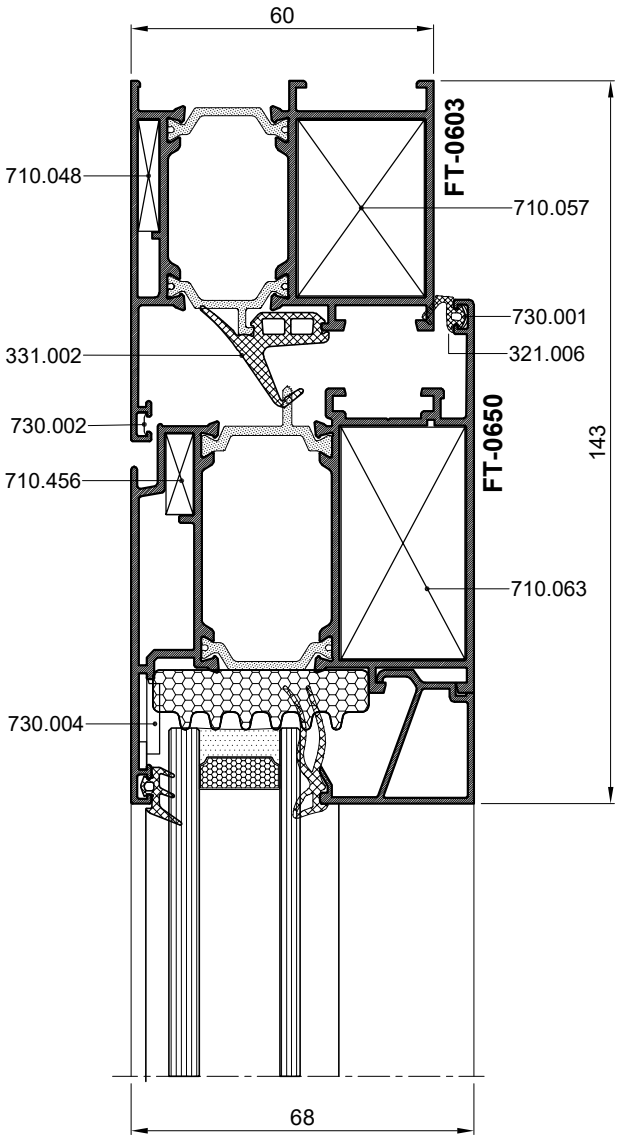


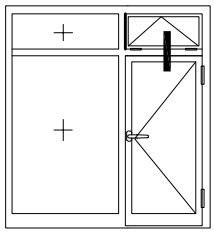

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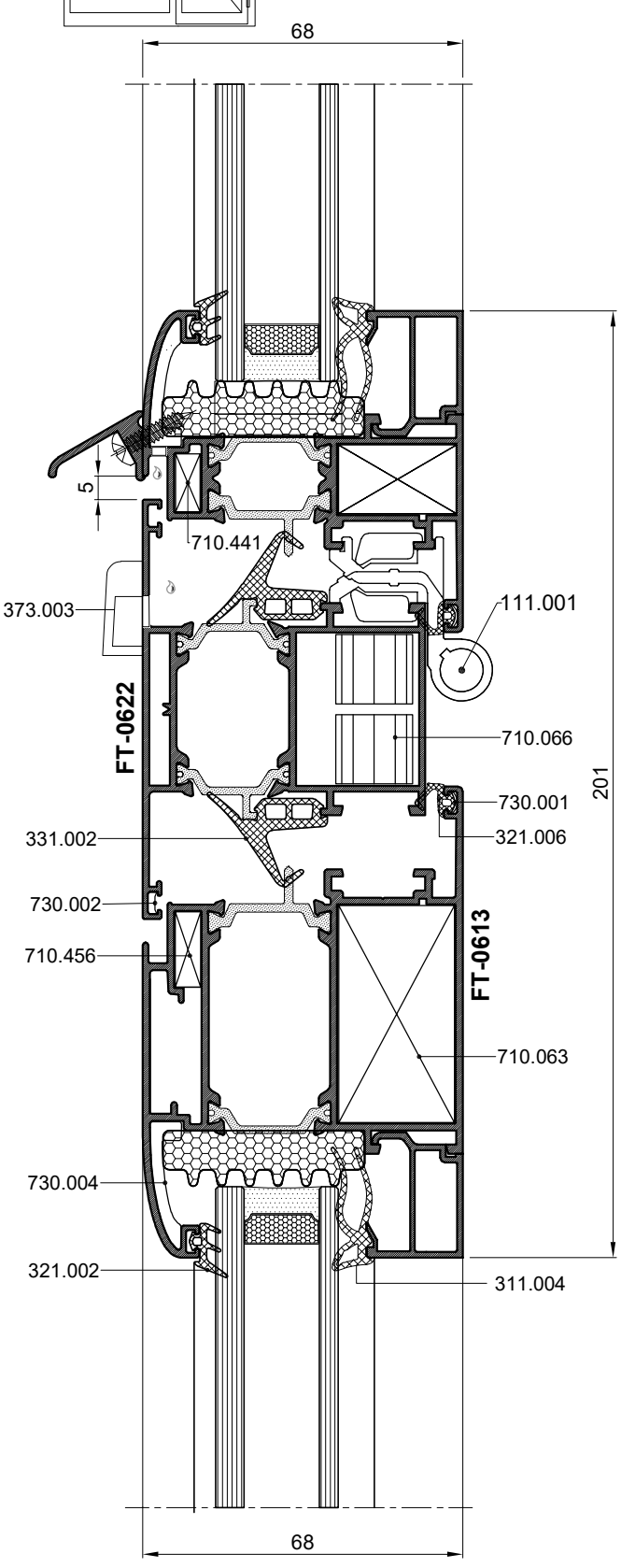

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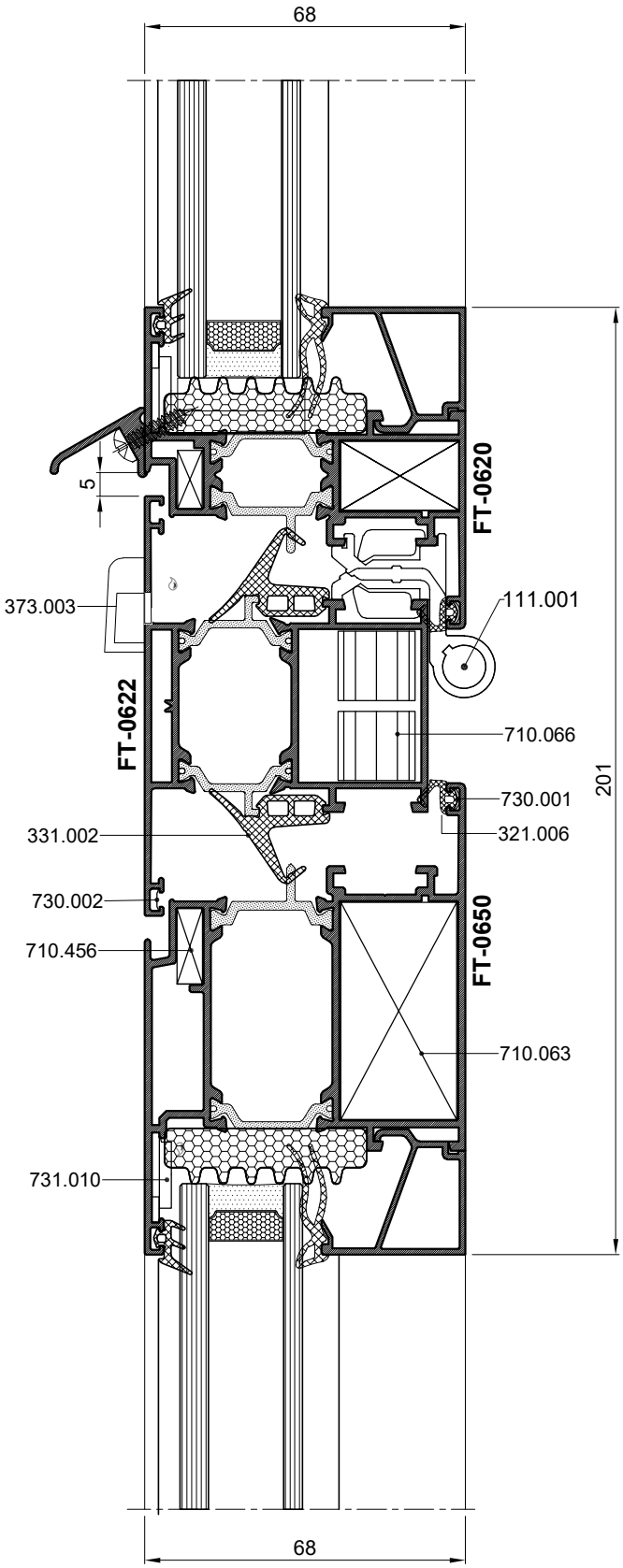


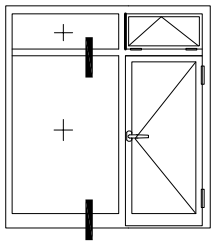

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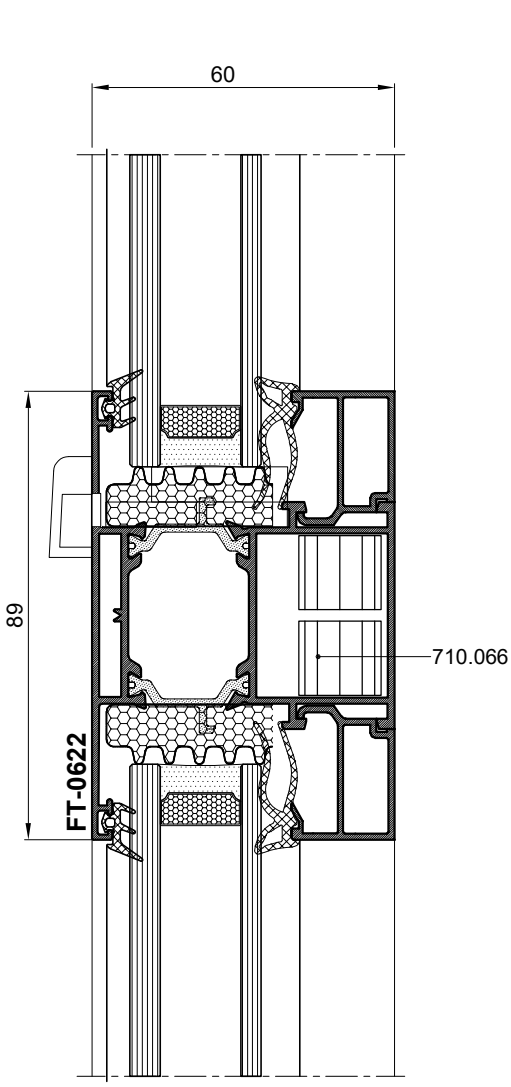

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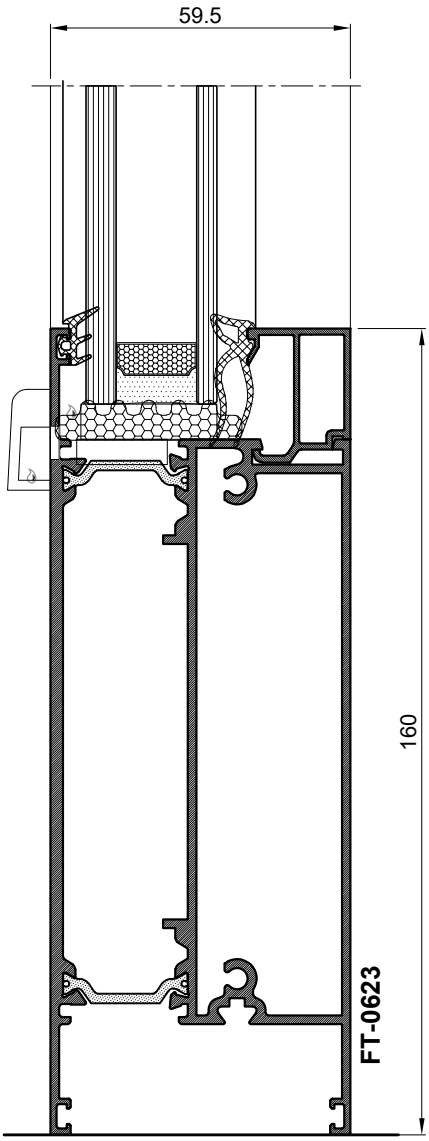


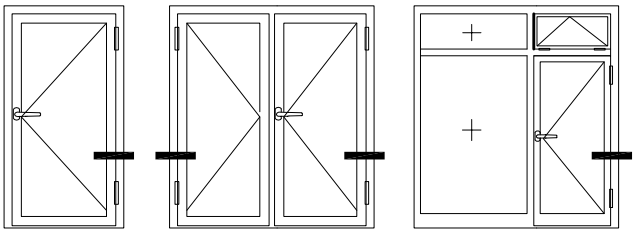

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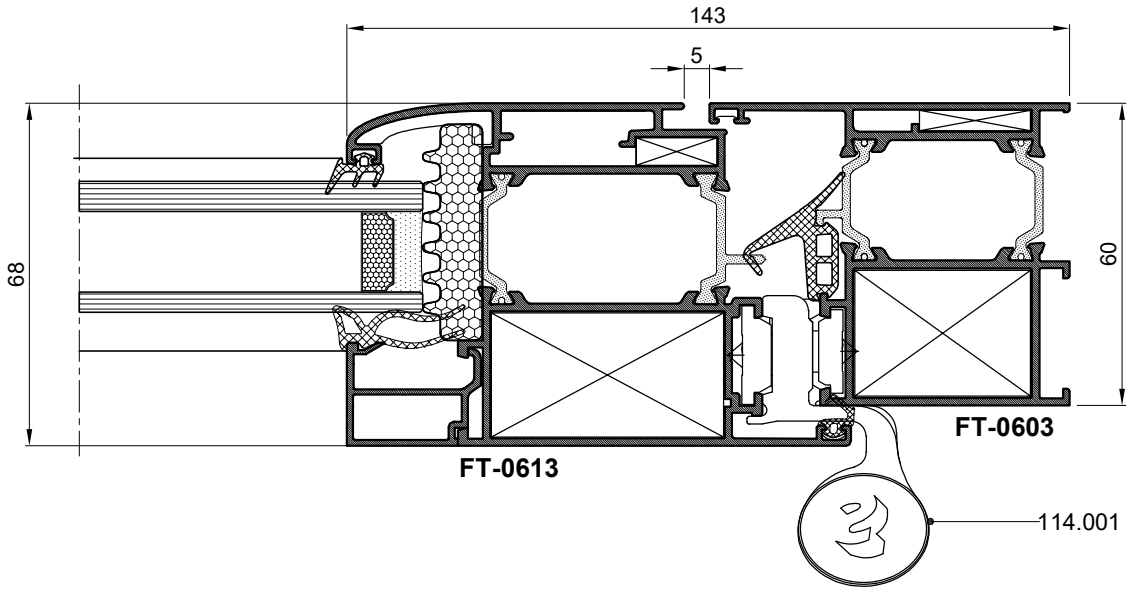

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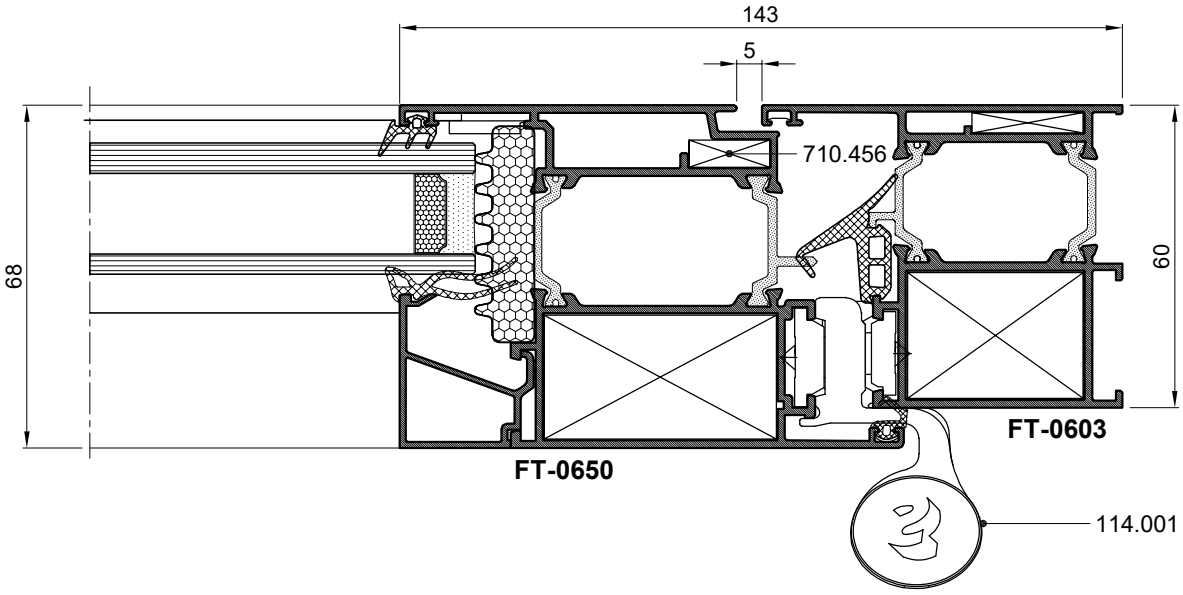


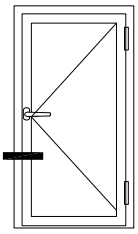

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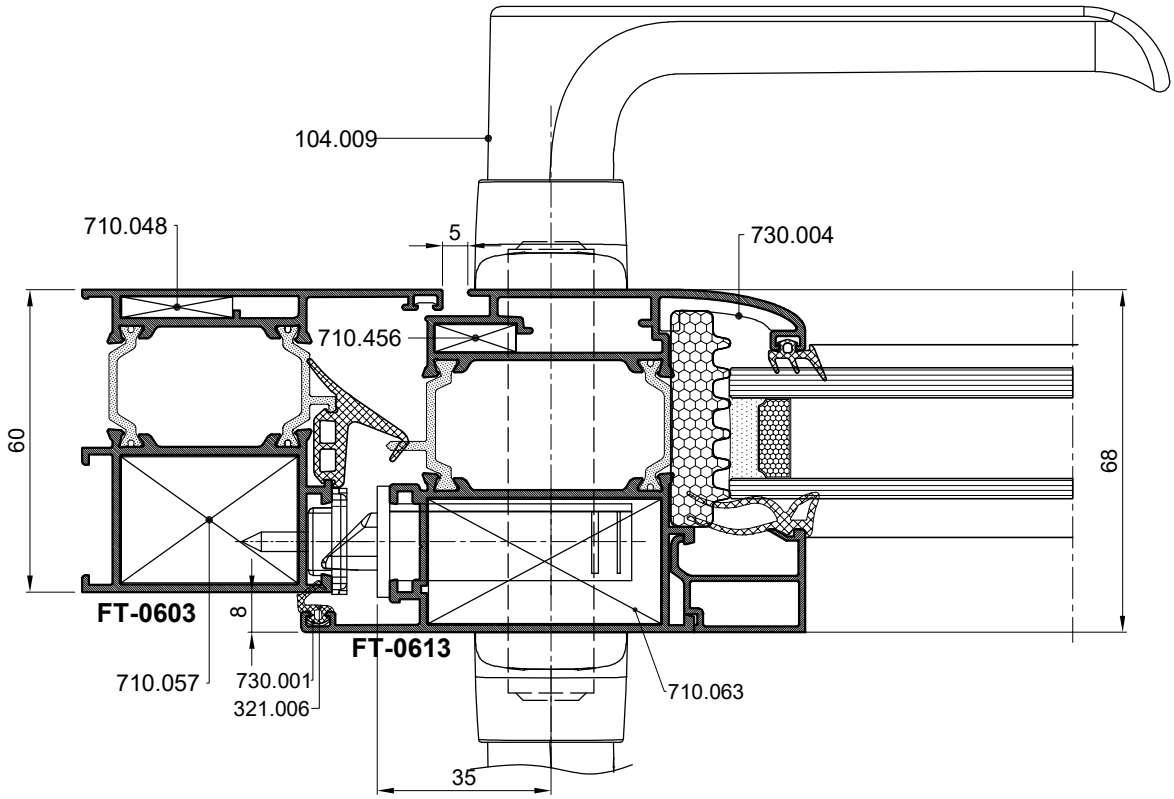

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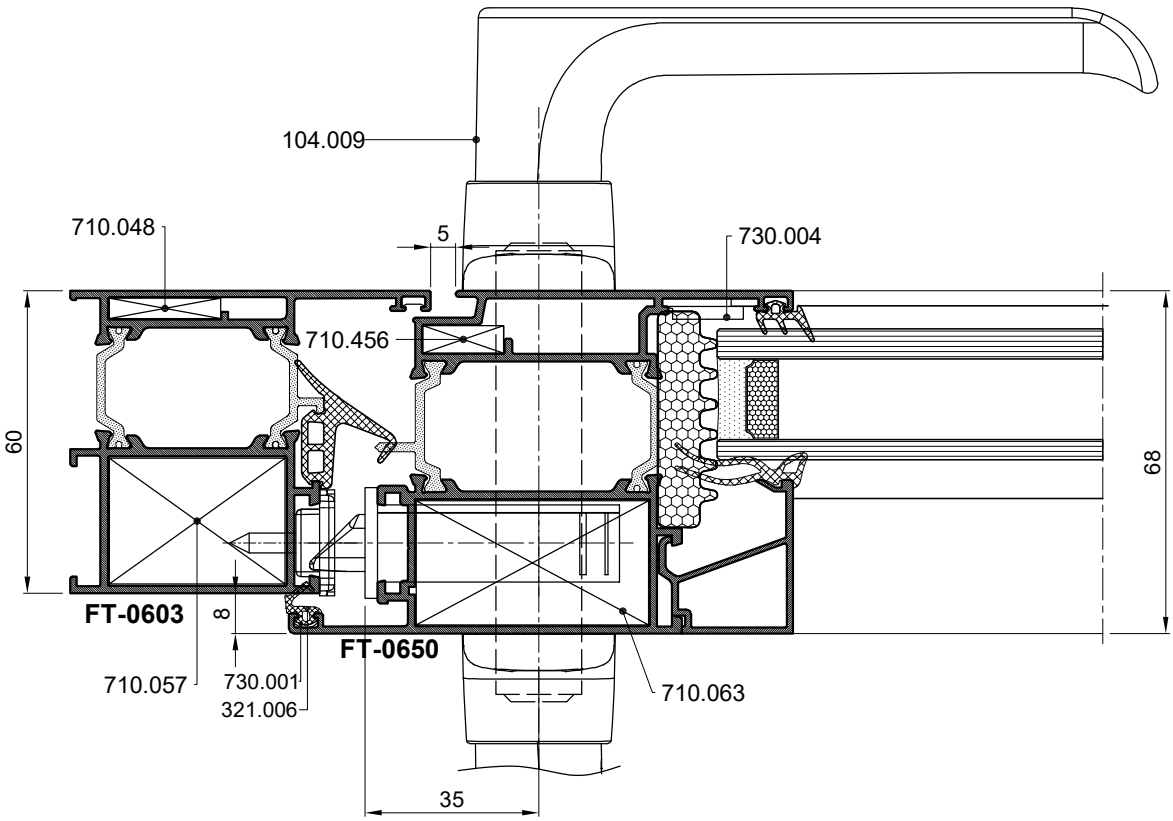


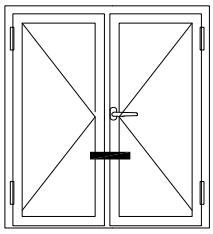

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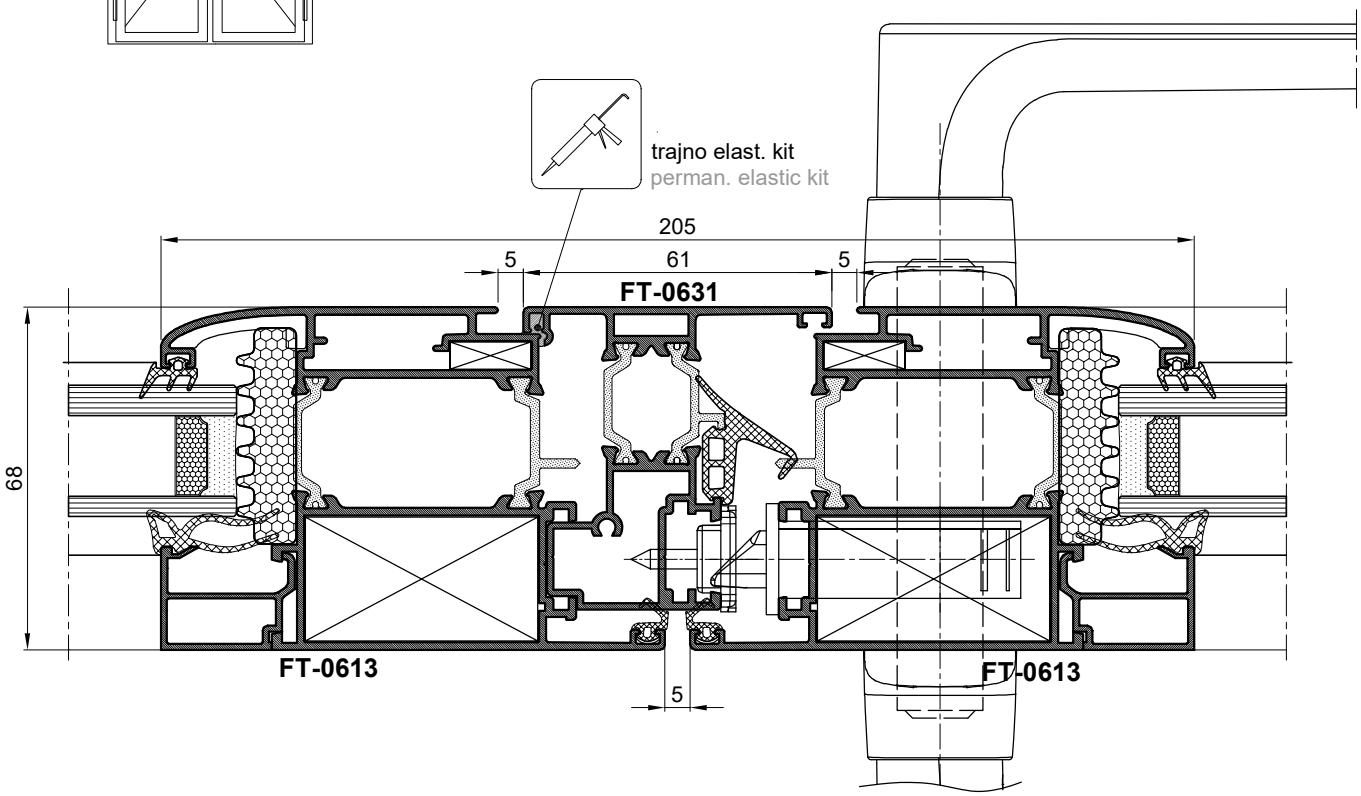

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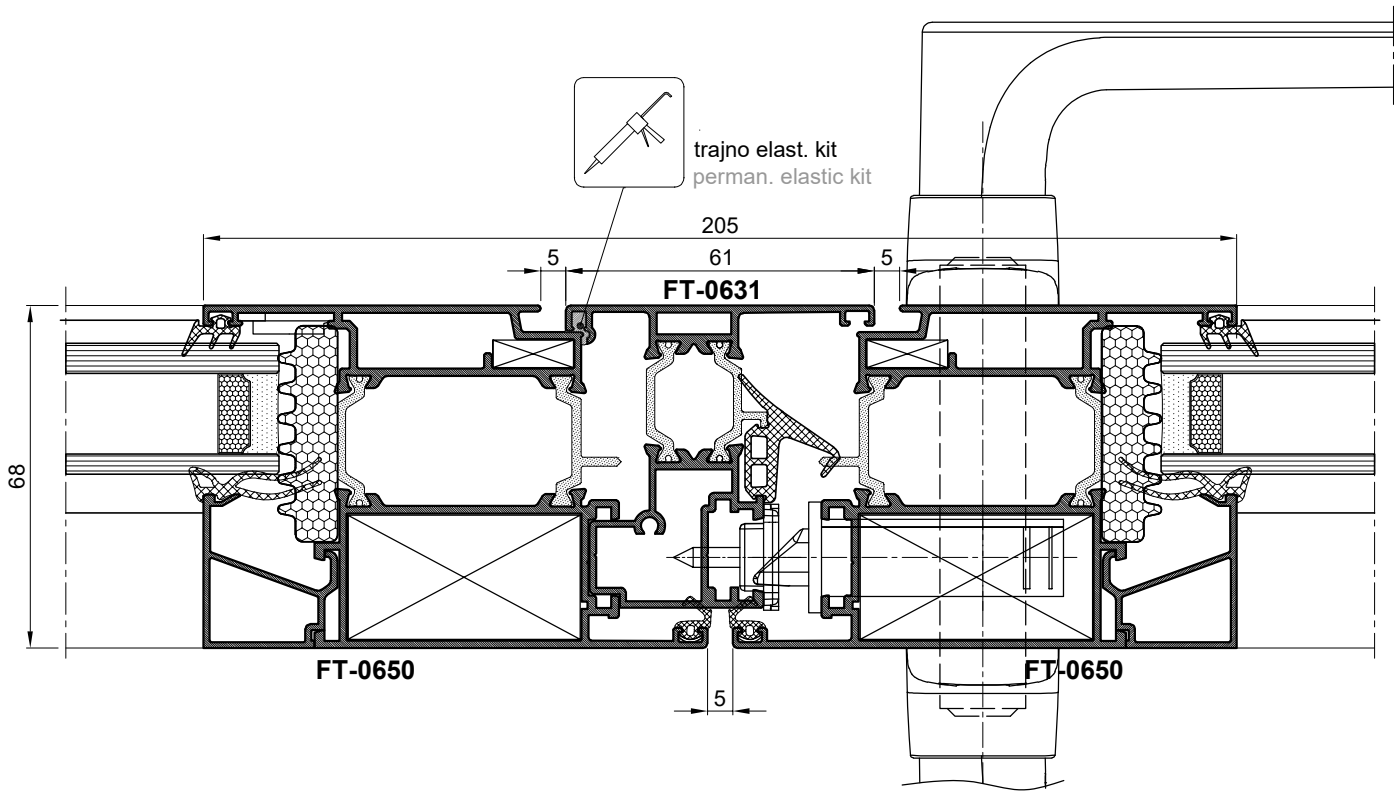


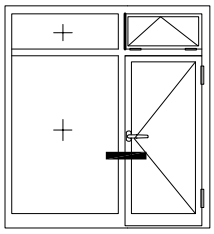

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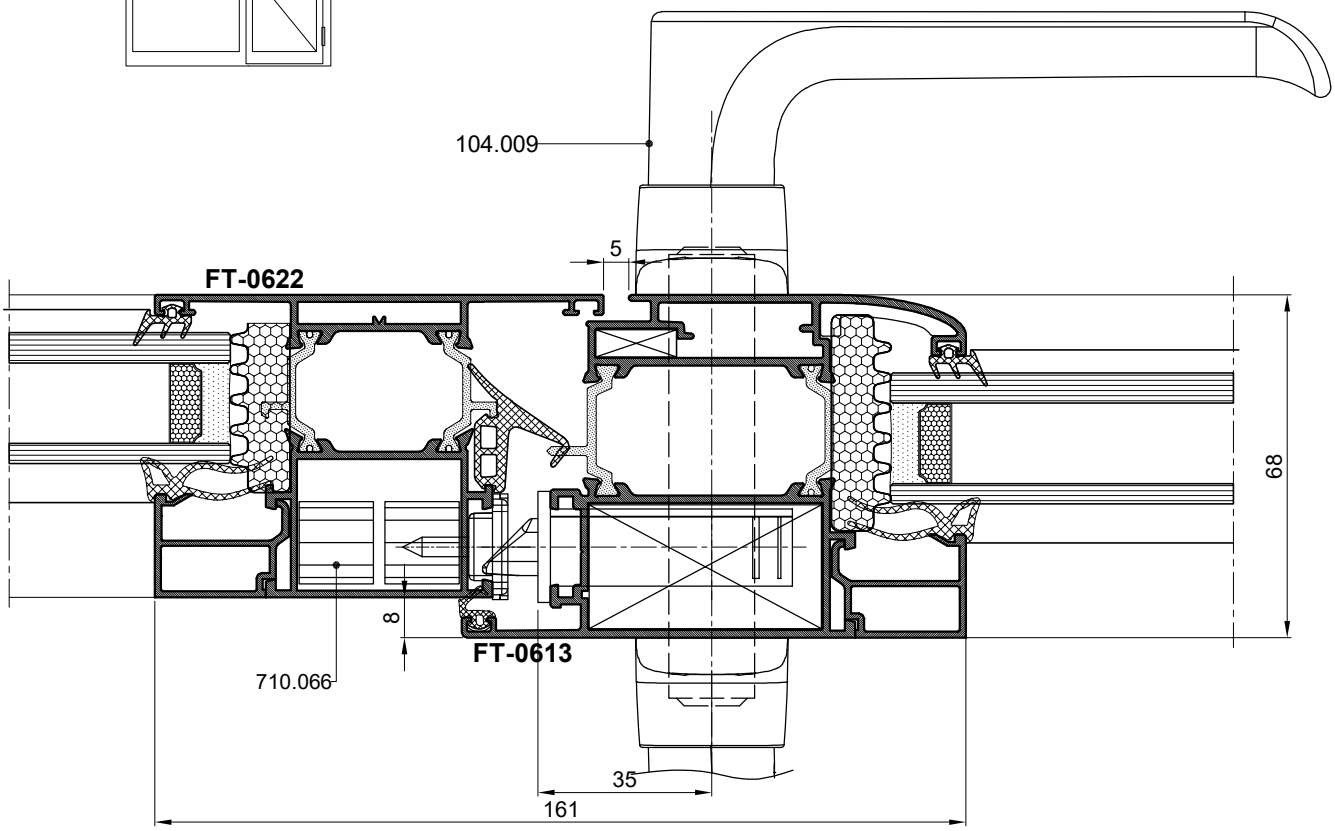

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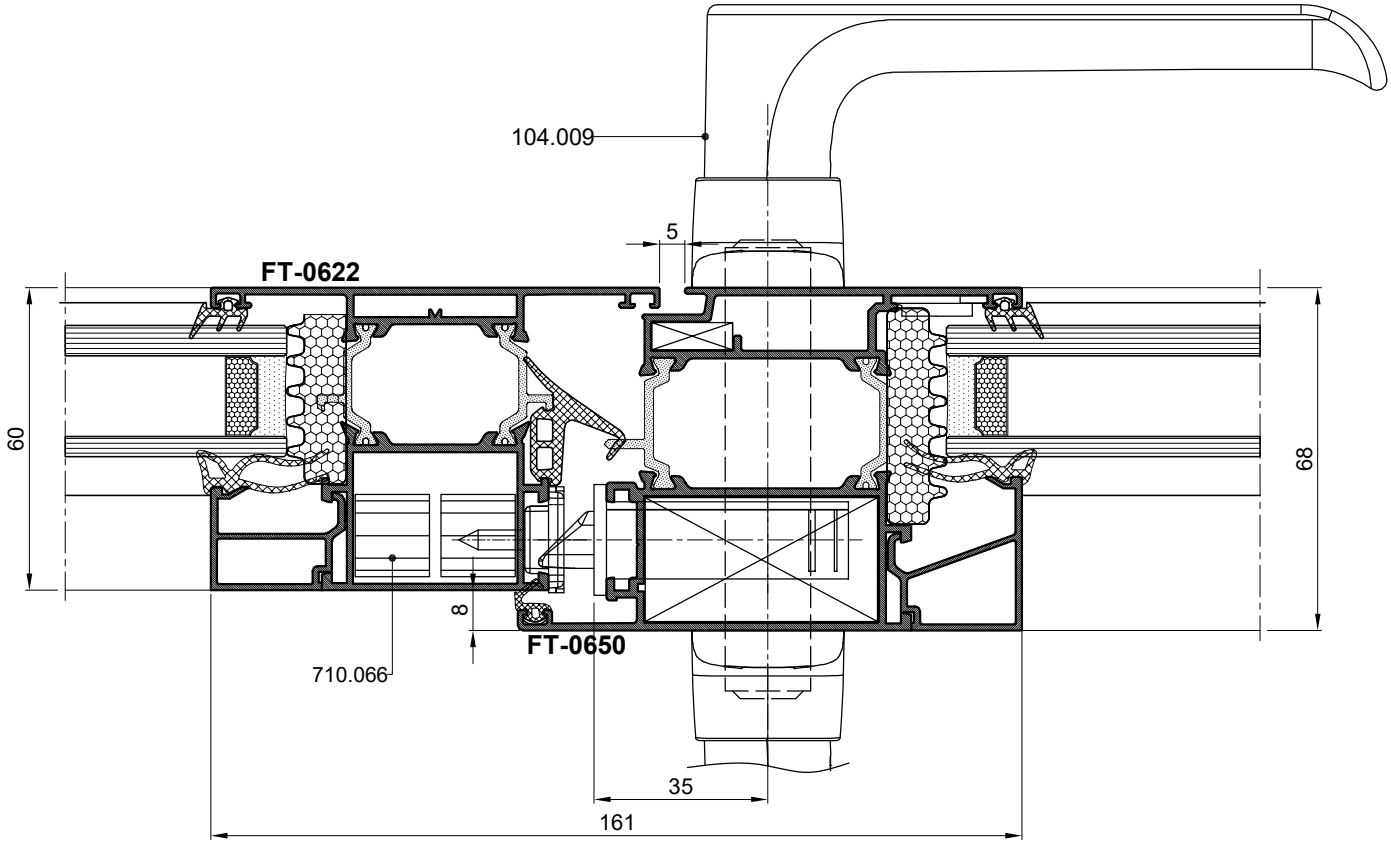


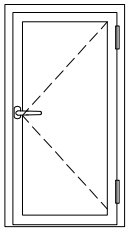

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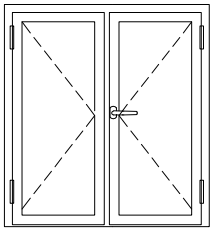

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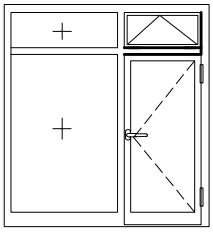


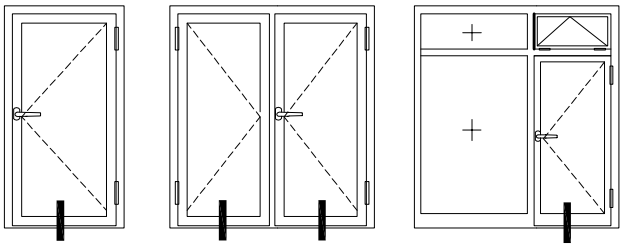

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161

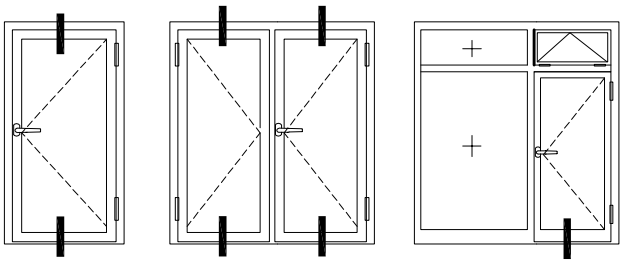


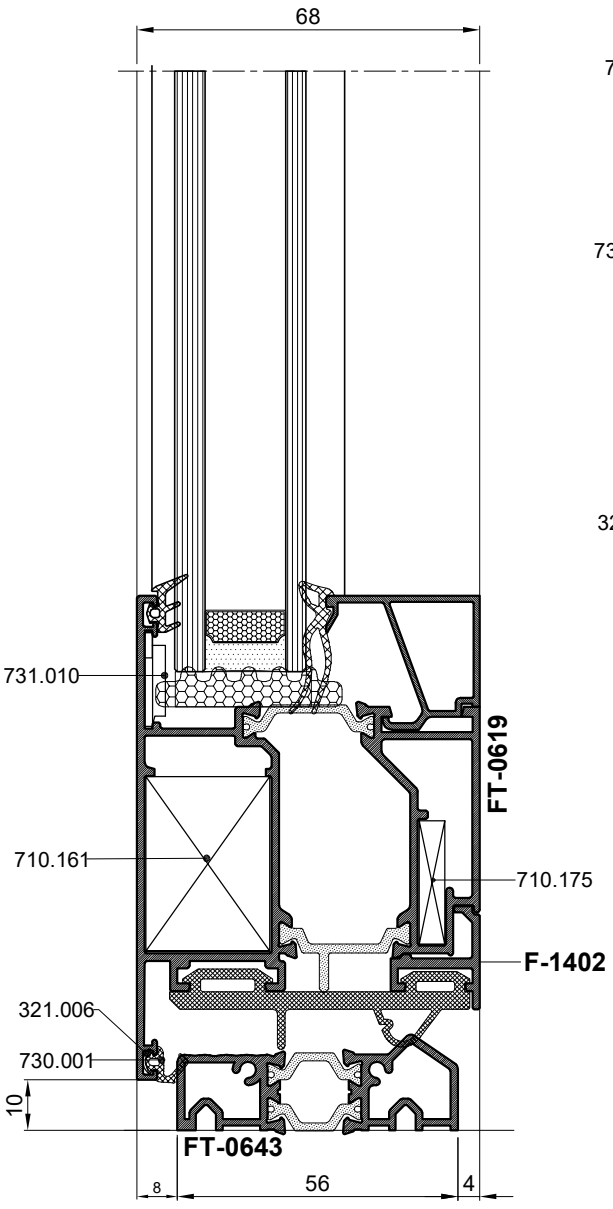


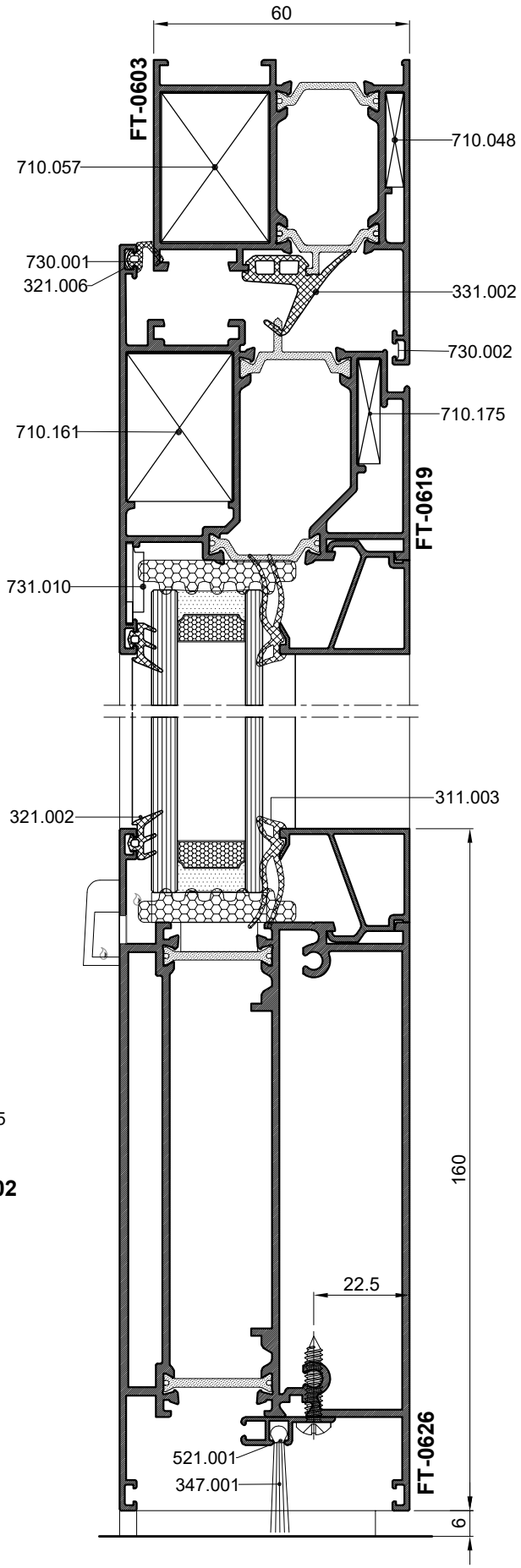


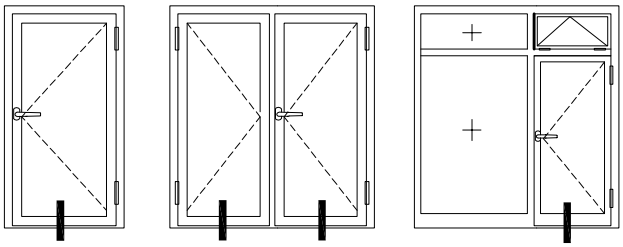


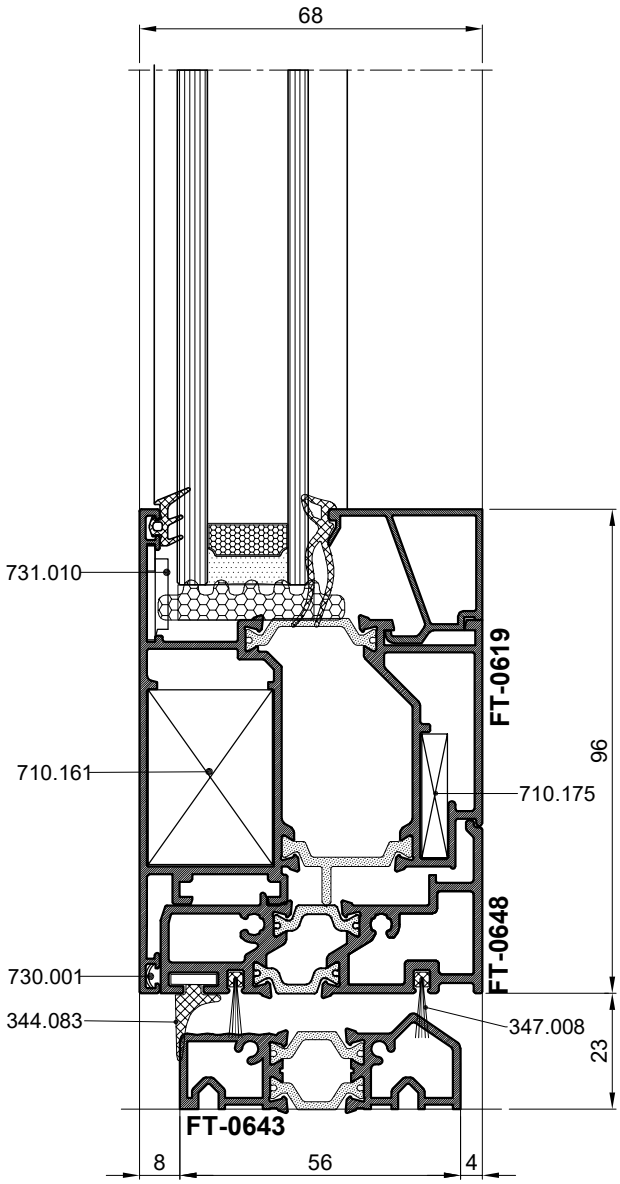
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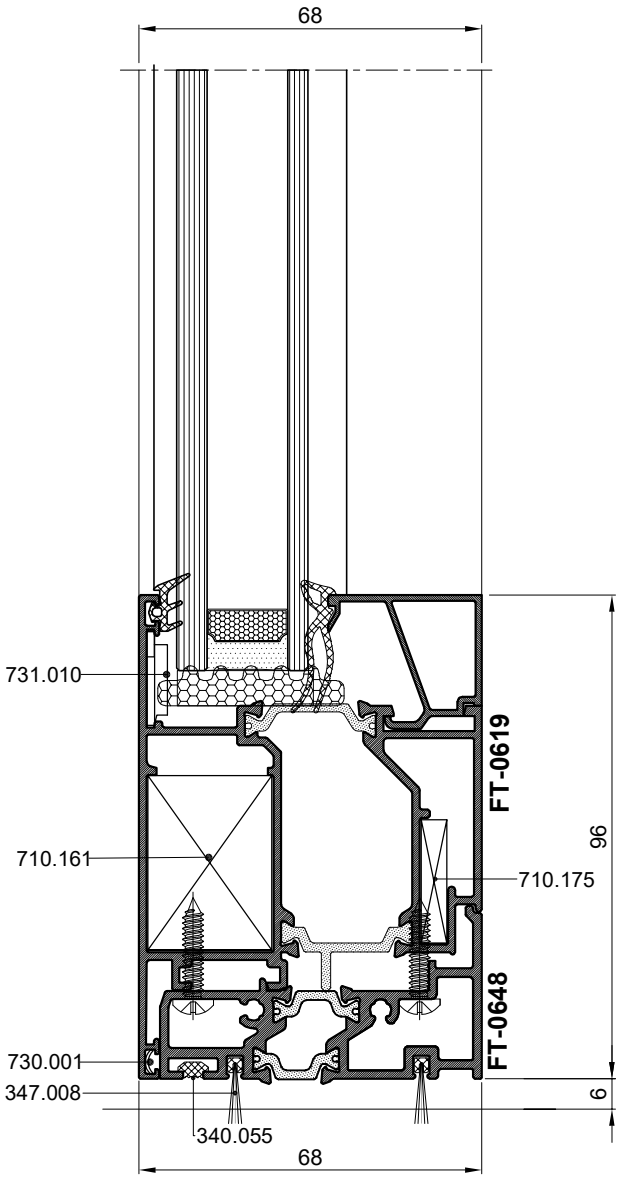


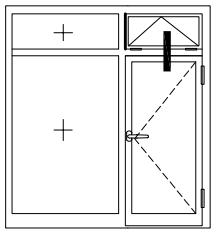

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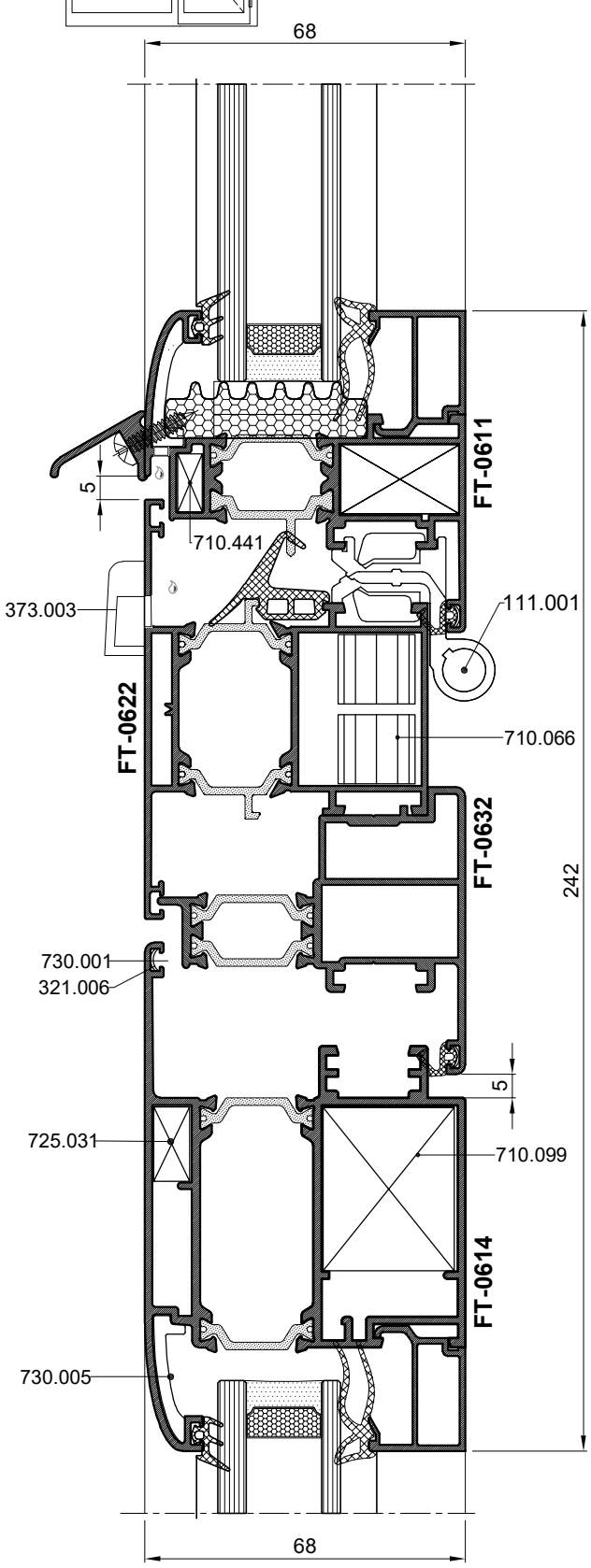

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6

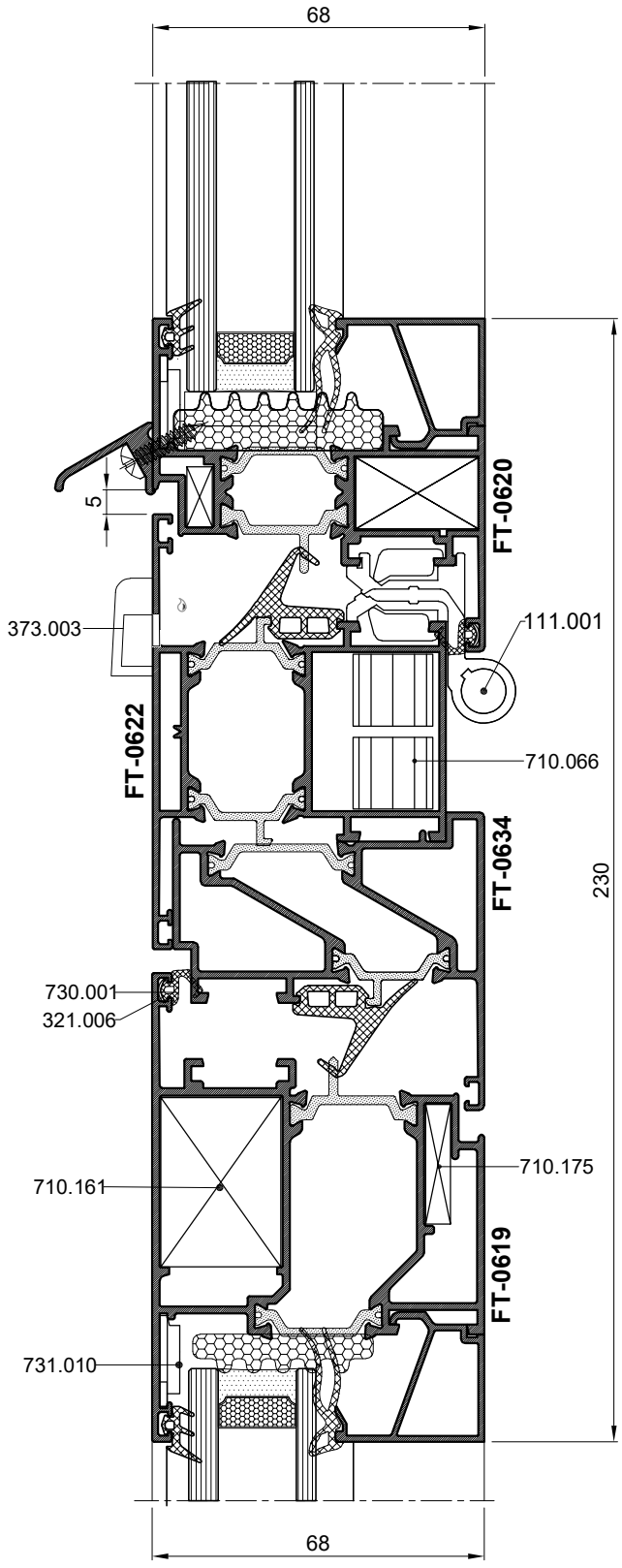


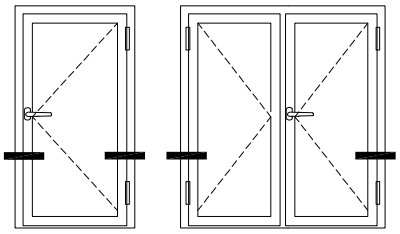

68
731.010
710.161
710.175
730.001
344.083
347.008
FT-0619
FT-0648
FT-0643
96
23
8
56
4

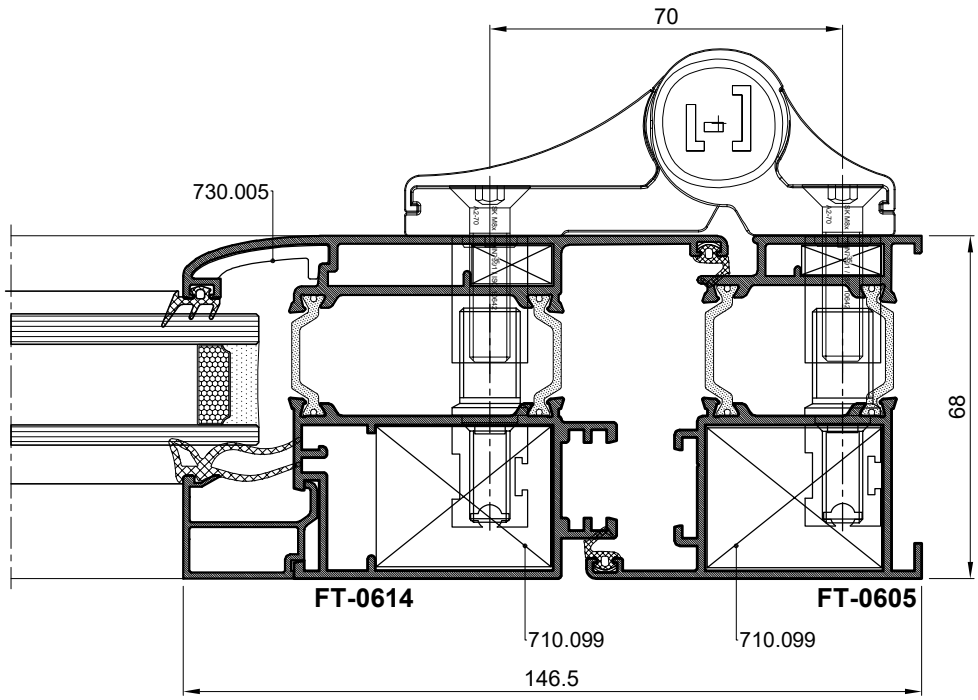

68
731.010
710.161
710.175
730.001
347.008
340.055
FT-0619
FT-0648
96
6
68

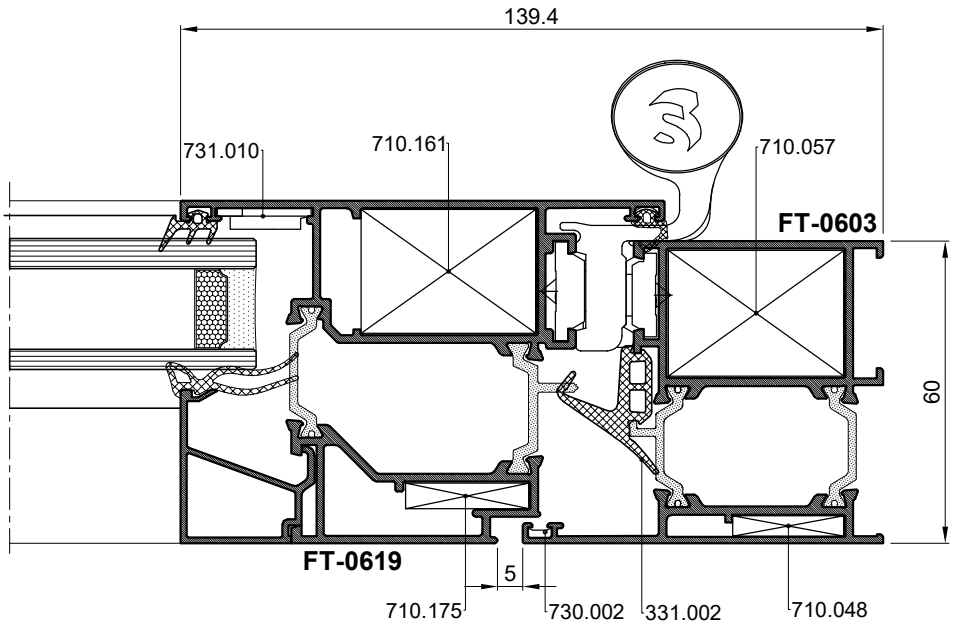


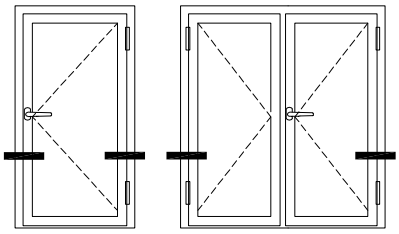

68
5
710.441
FT-0611
373.003
111.001
FT-0622
710.066
FT-0632
242
730.001
321.006
5
725.031
710.099
FT-0614
730.005
68

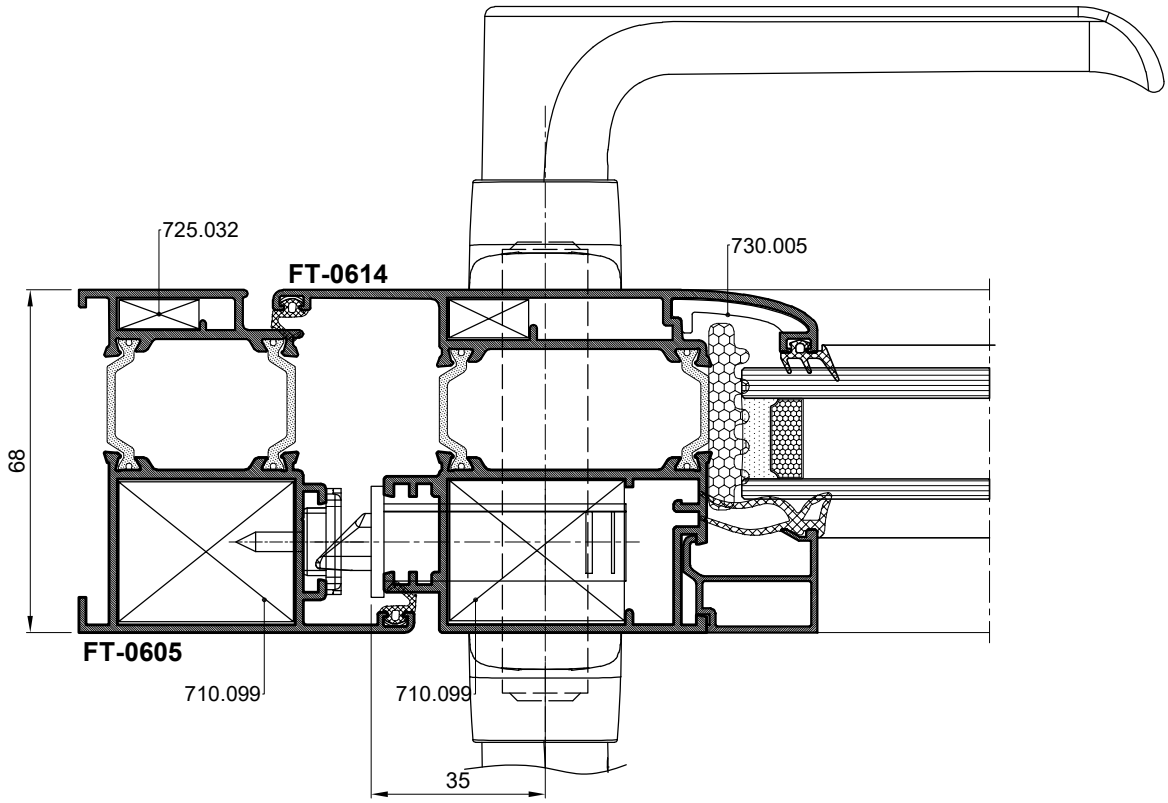

68
5
FT-0620
373.003
111.001
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710.066
FT-0634
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730.001
321.006
710.161
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FT-0619
731.010
68

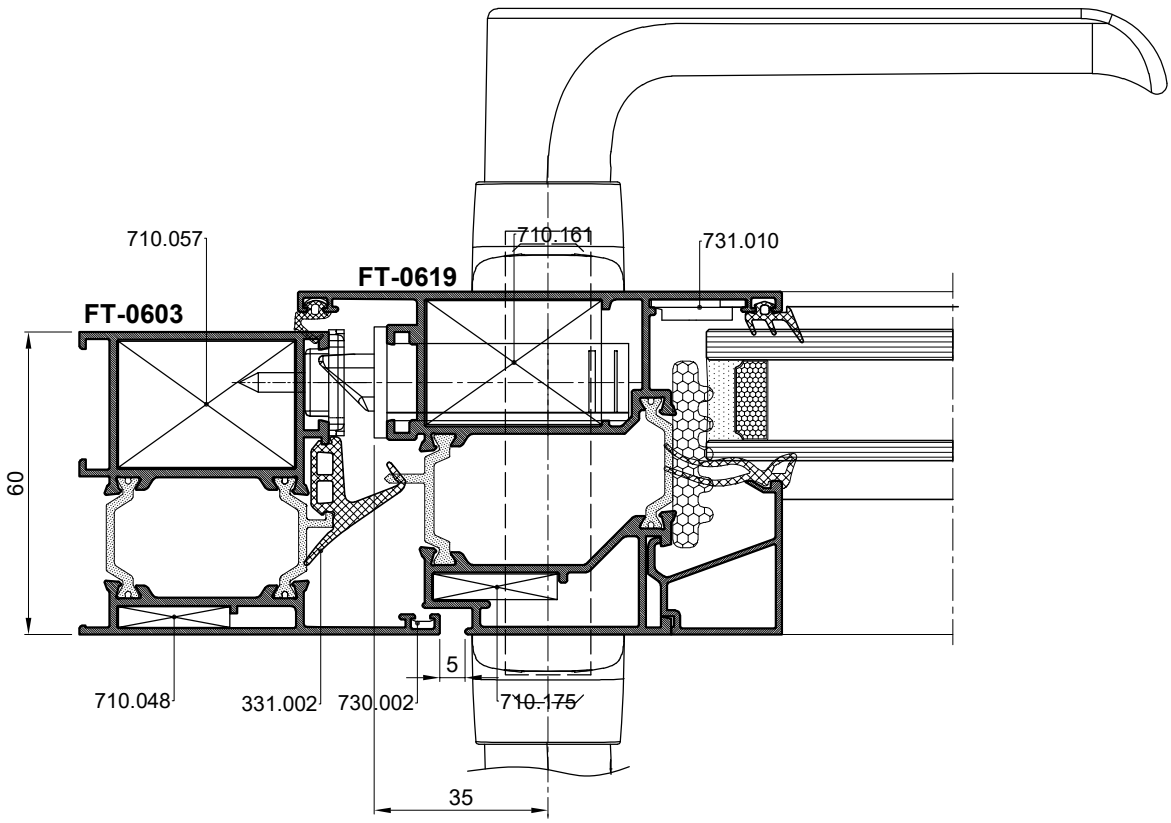


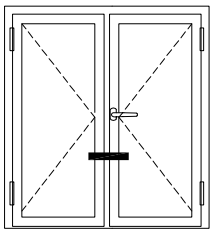

70
730.005
68
FT-0614
FT-0605
710.099
710.099
146.5

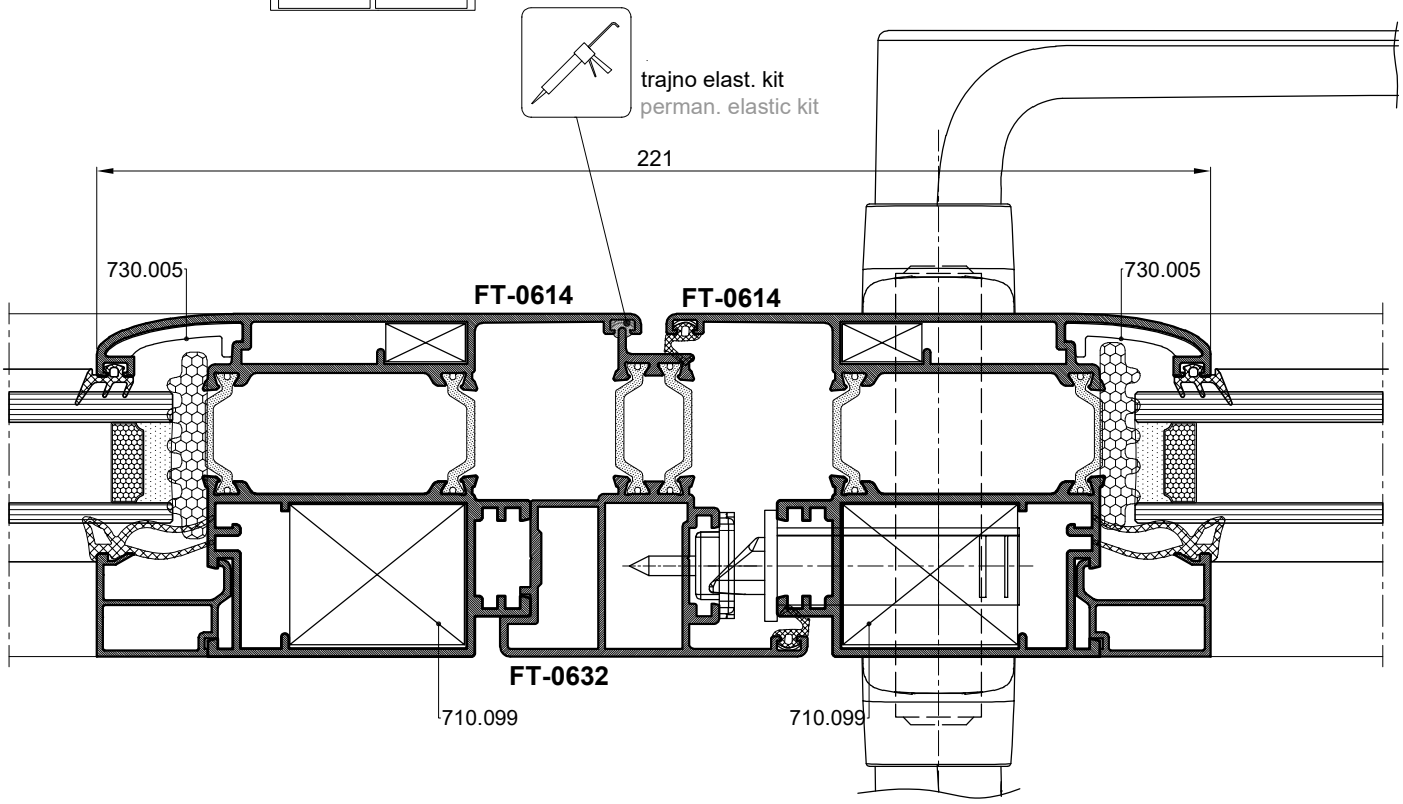

139.4
731.010
710.161
710.057
FT-0603
60
FT-0619
5
710.175
730.002
331.002
710.048

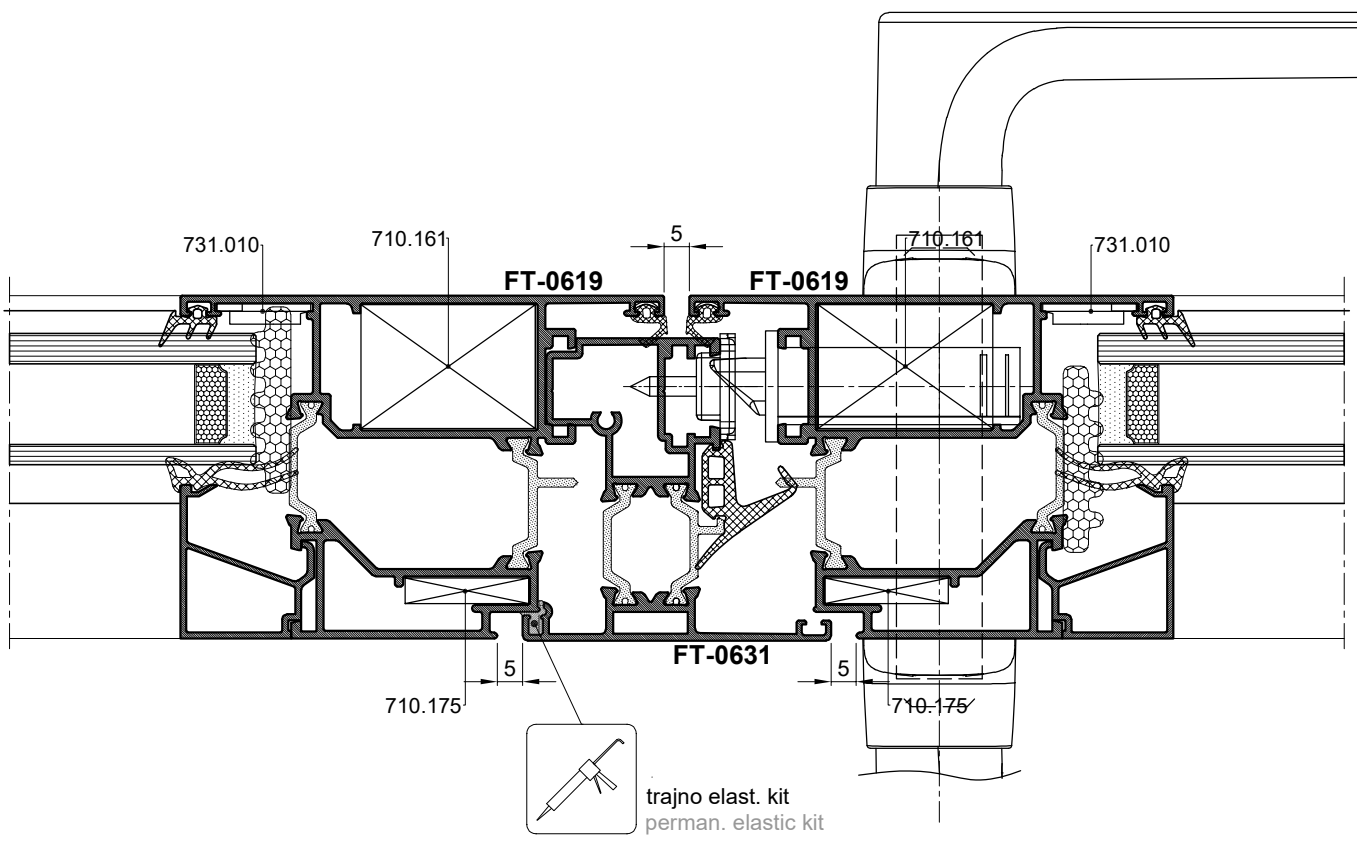


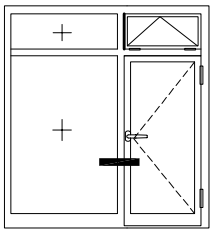

725.032
FT-0614
730.005
68
FT-0605
710.099
710.099
35

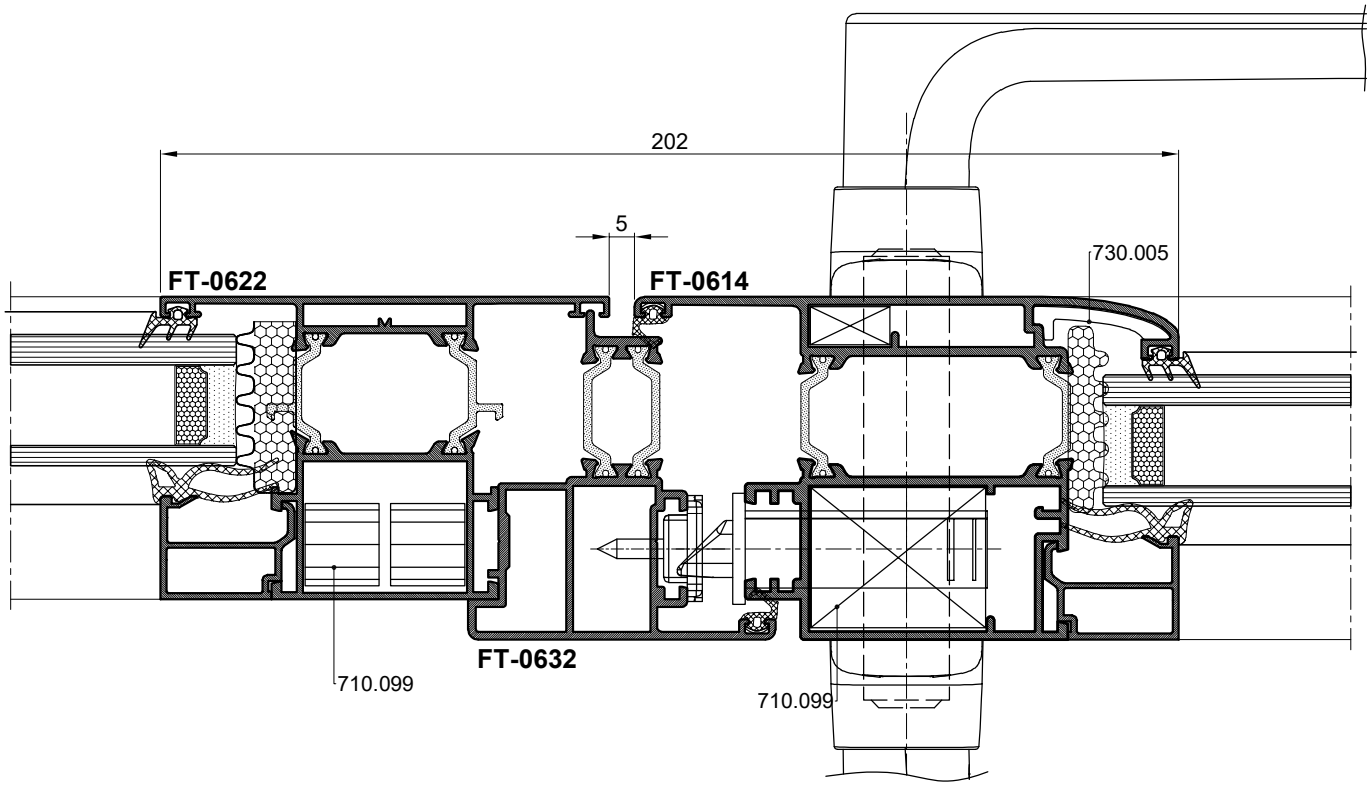

710.057
710.161
731.010
FT-0619
FT-0603
60
5
710.048
331.002
730.002
710.175
35

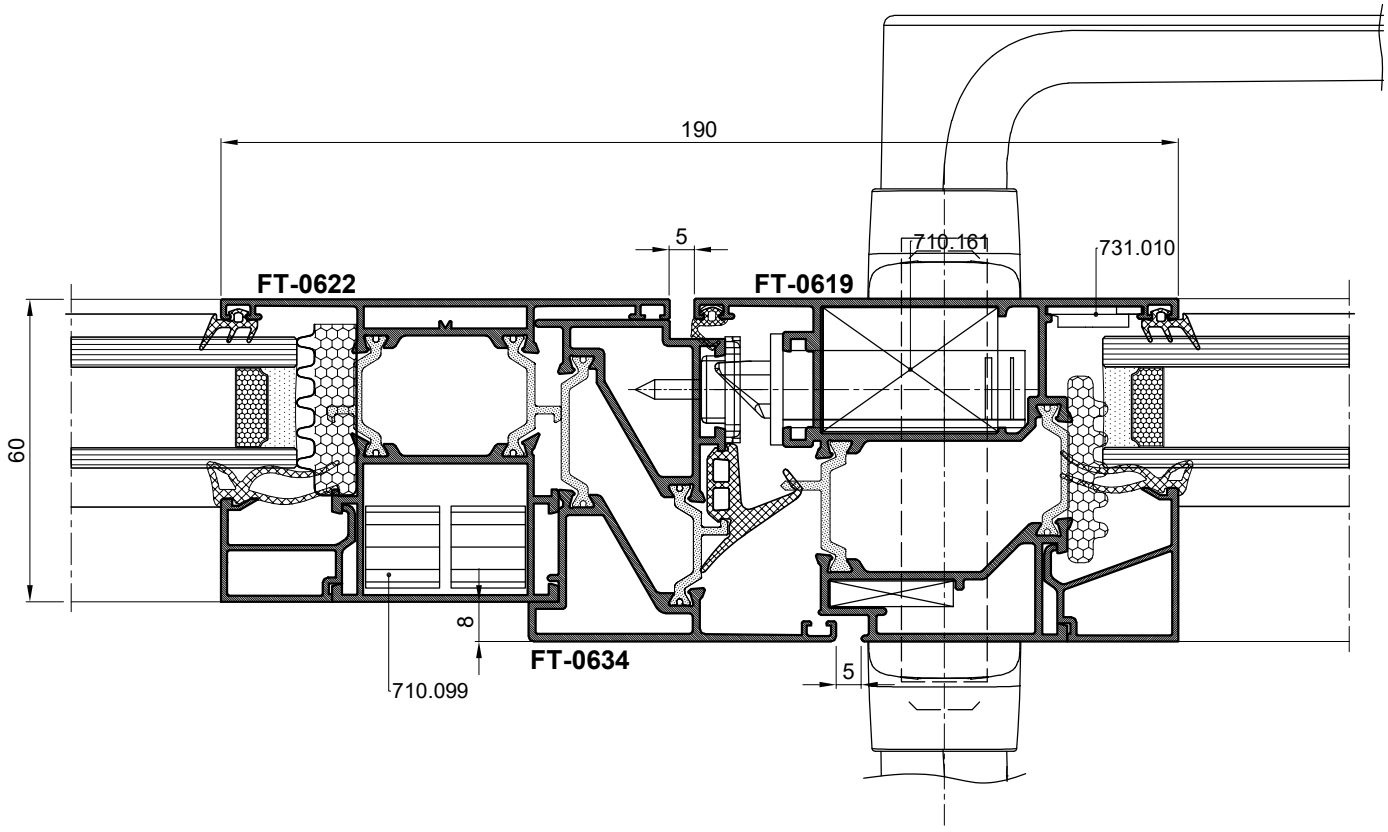


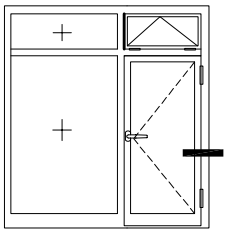

trajno elast. kit
perman. elastic kit
221
730.005
730.005
FT-0614
FT-0614
FT-0632
710.099
710.099

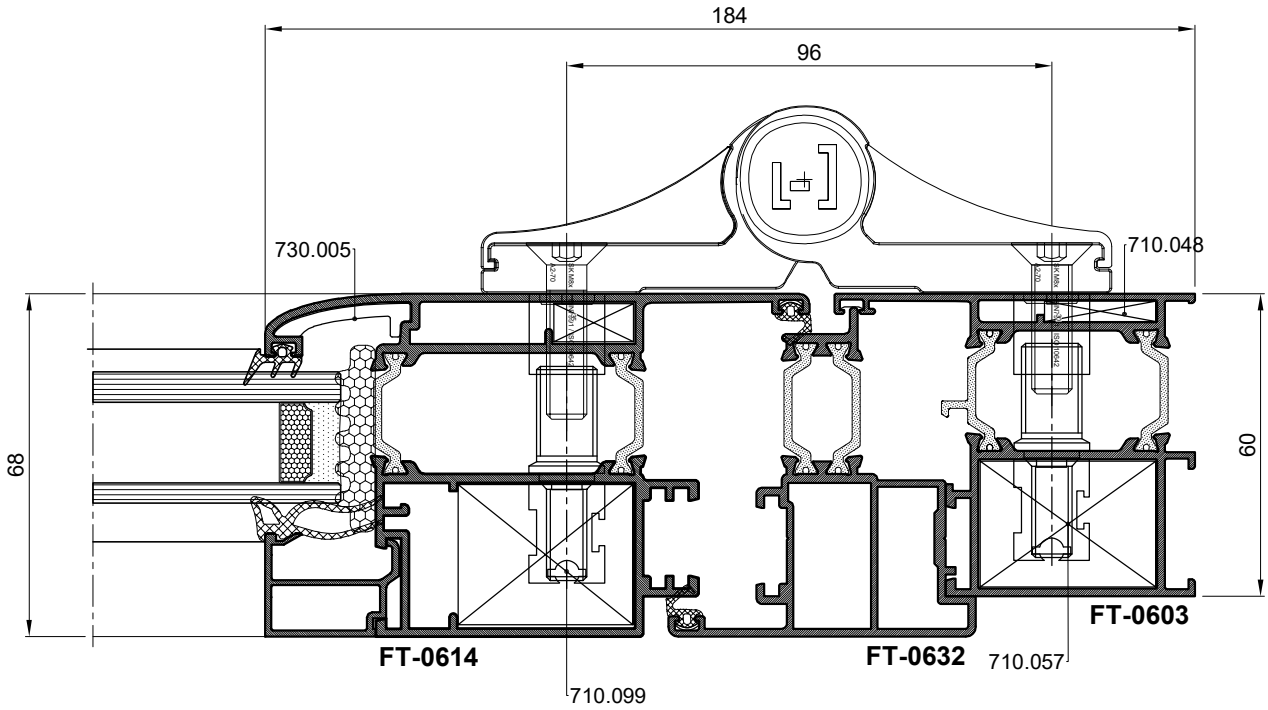

731.010
710.161
5
710.161
731.010
FT-0619
FT-0619
FT-0631
5
5
710.175
710.175
trajno elast. kit
perman. elastic kit

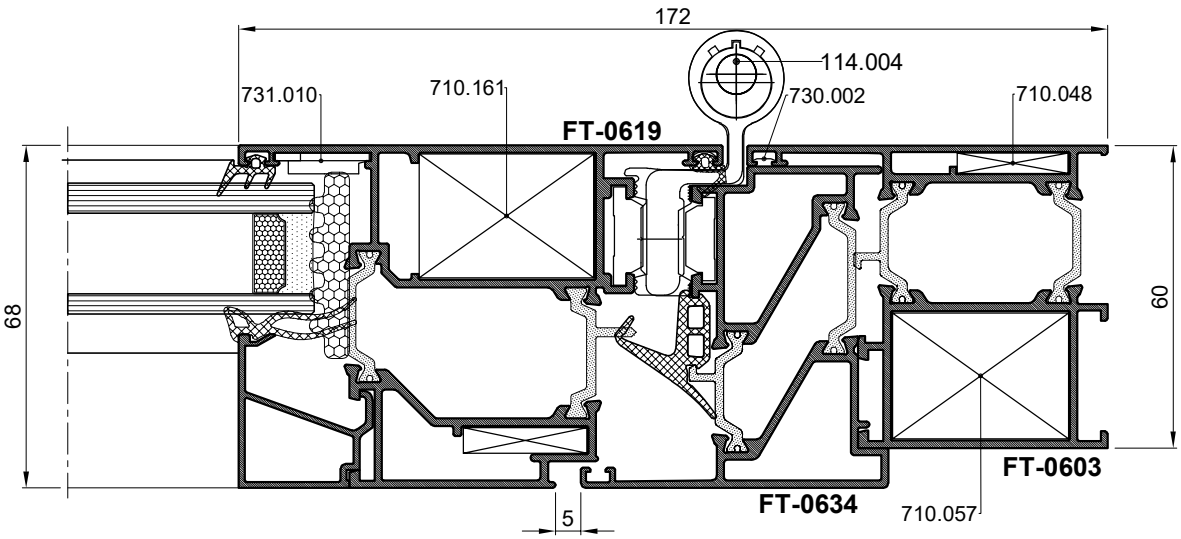


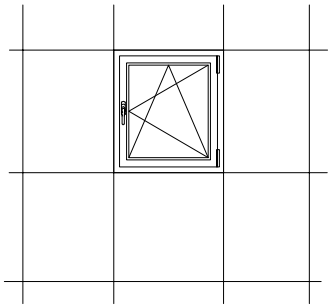

202
5
730.005
FT-0622
FT-0614
FT-0632
710.099
710.099

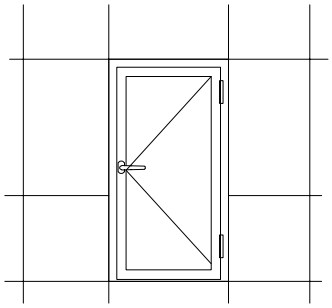

190
5
710.161
731.010
FT-0622
FT-0619
60
8
FT-0634
710.099
5

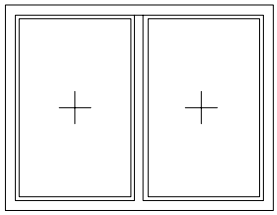


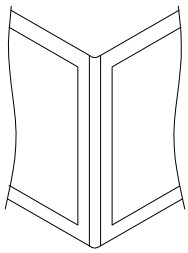

184
96
730.005
710.048
68
60
FT-0614
710.099
FT-0632
710.057
FT-0603

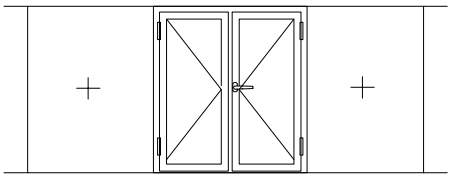

172
114.004
731.010
710.161
730.002
710.048
FT-0619
68
60
FT-0603
FT-0634
5
710.057

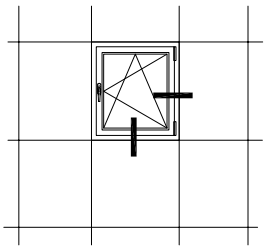




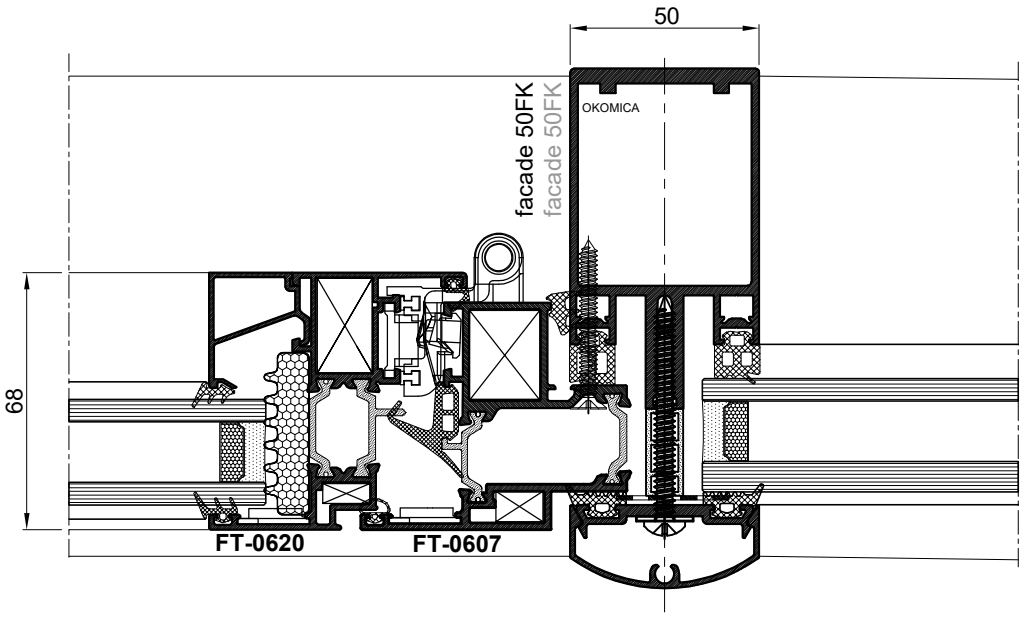


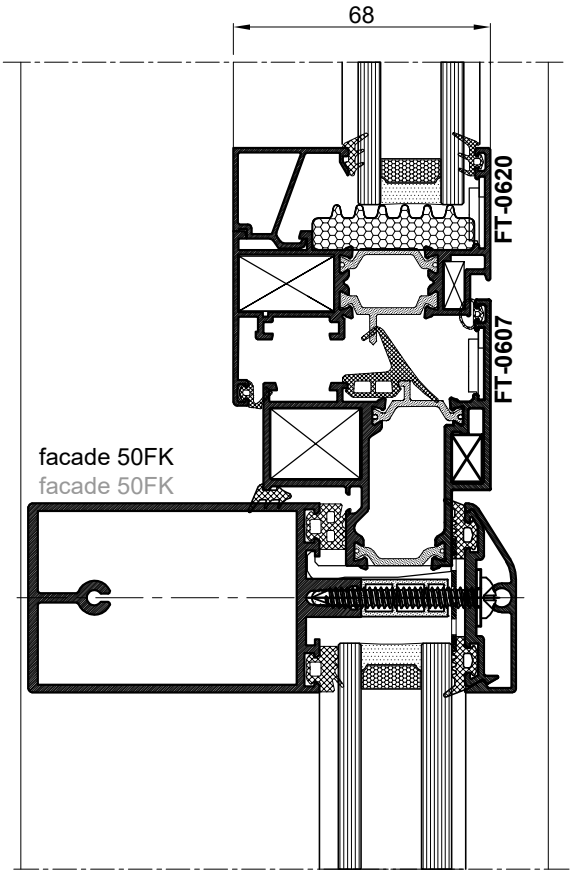


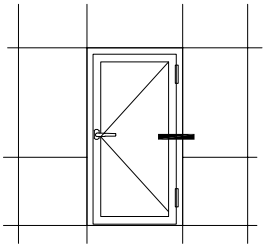




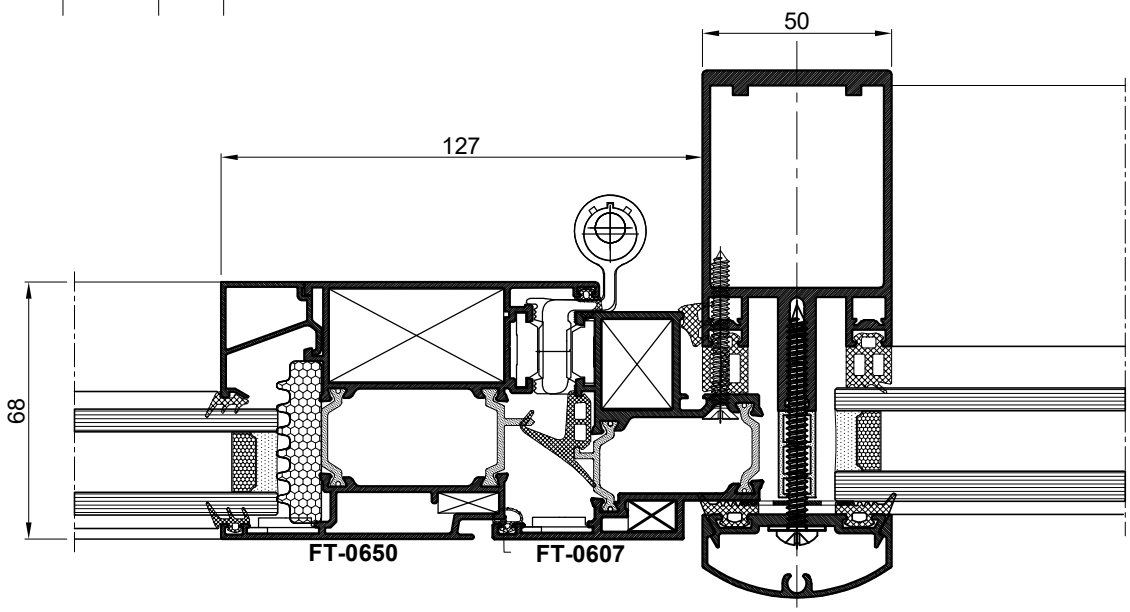
Prozor u fasadi 50 FK
Window in facade 50 FK

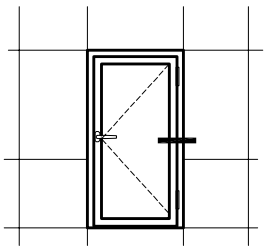




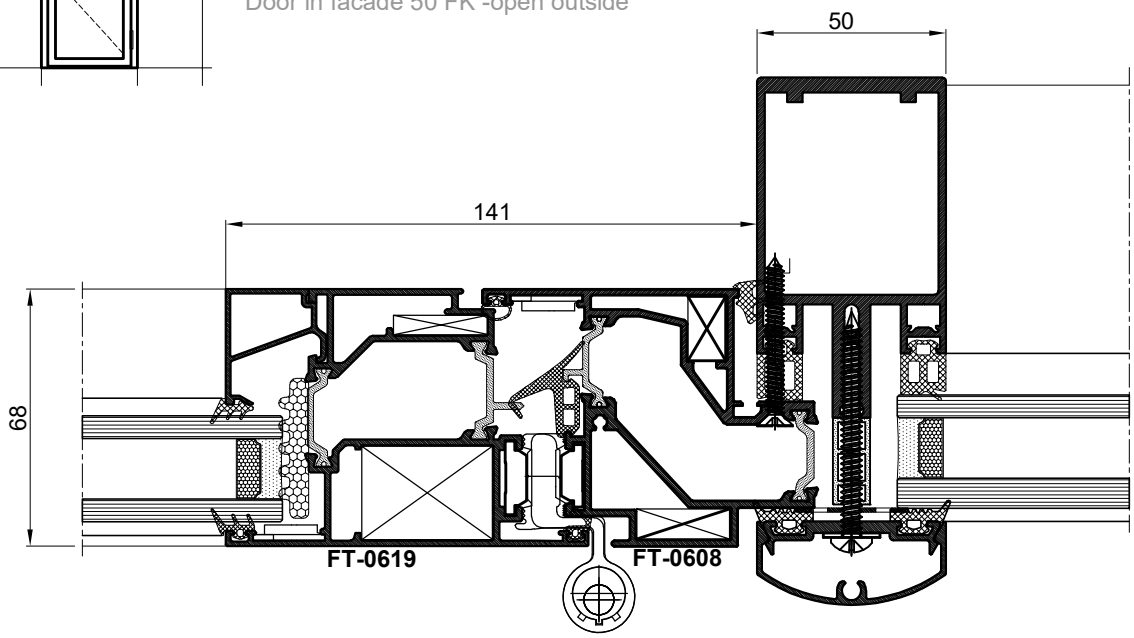


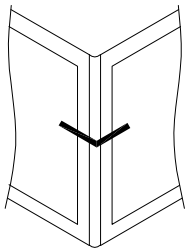
Vrata u fasadi 50 FK - otvaranje unutra
Door in facade 50 FK -open inside

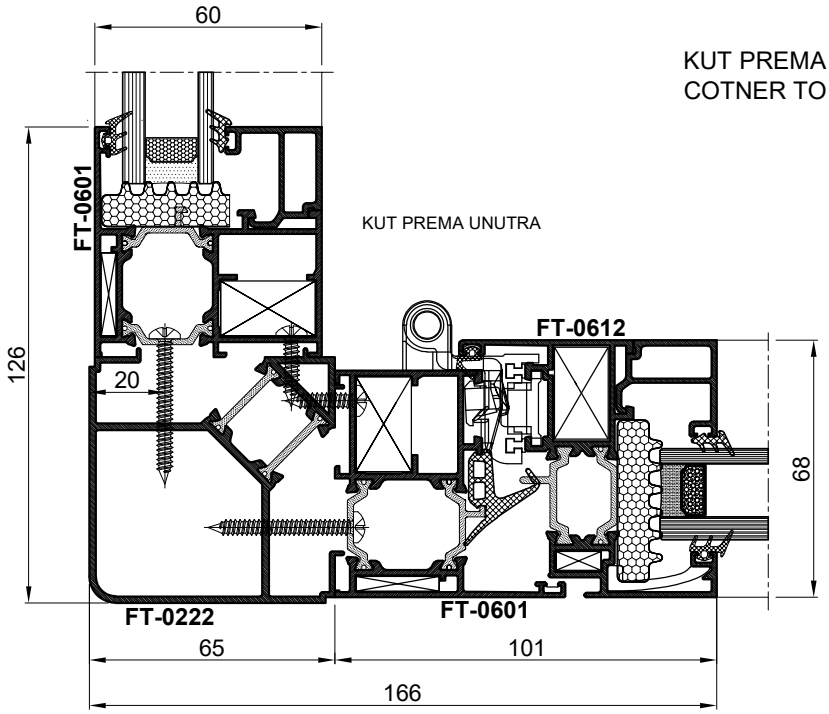




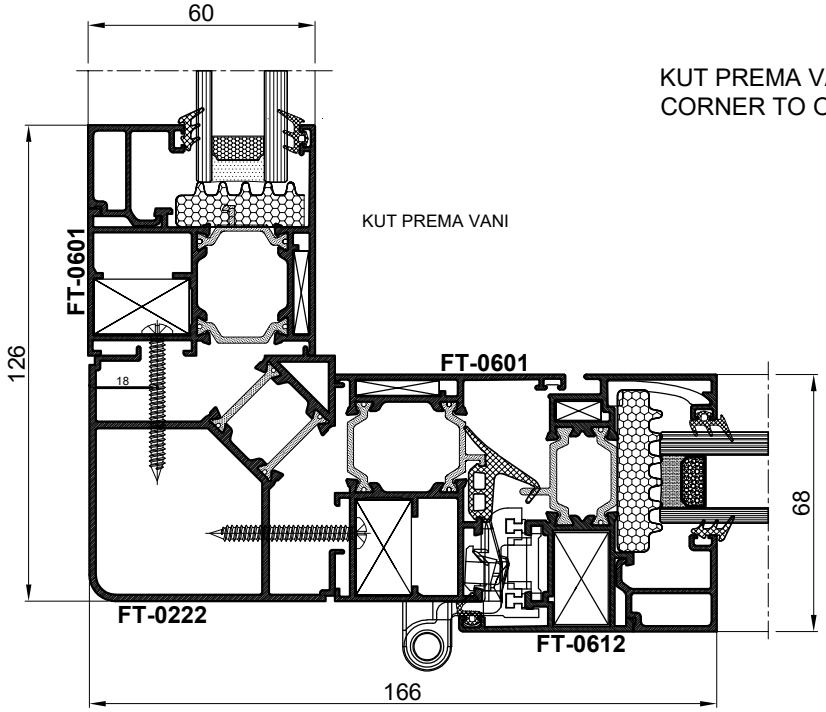
Vrata u fasadi 50 FK - otvaranje vani
Door in facade 50 FK -open outside



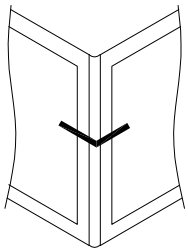


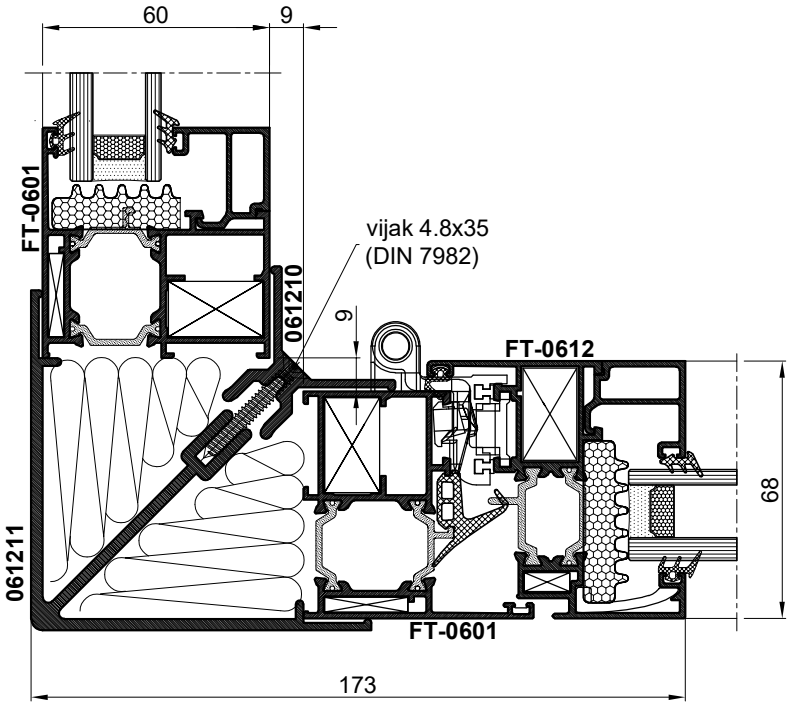


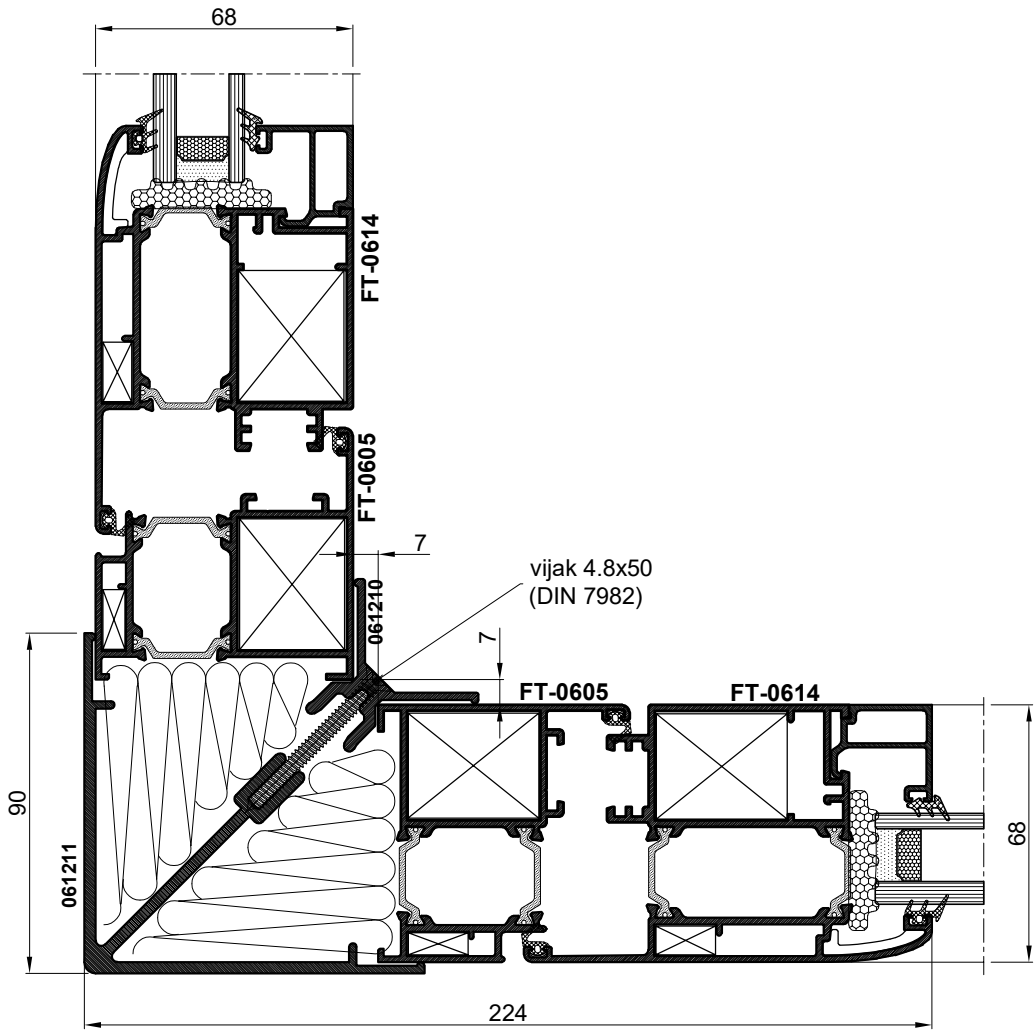
KUT PREMA UNUTRA
COTNER TO INSIDE



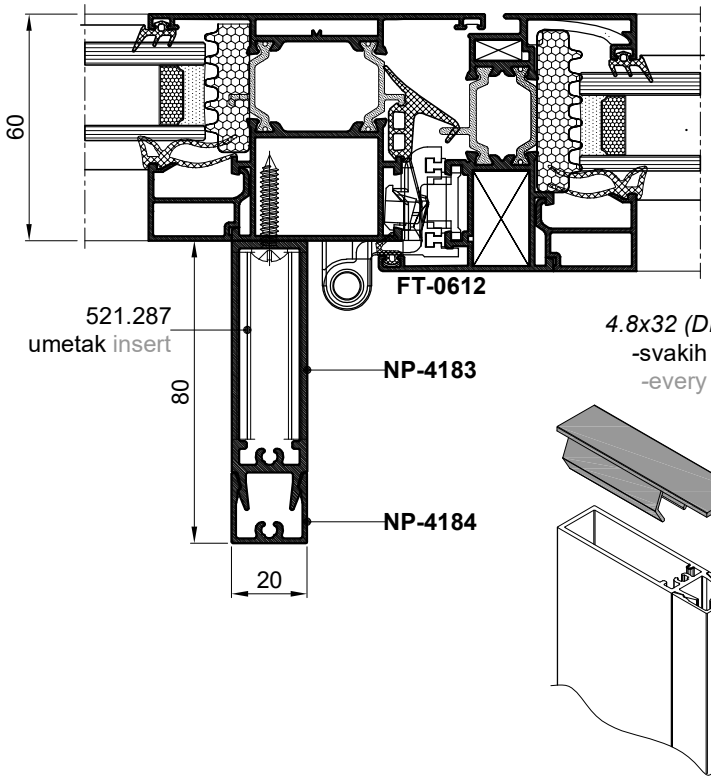
KUT PREMA VANI
CORNER TO OUTSIDE



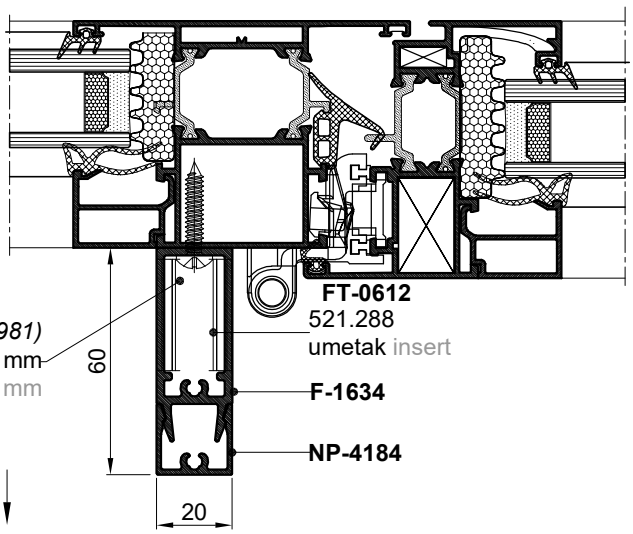

60
9
FT-0601
vijak 4.8x35
(DIN 7982)
061210
9
FT-0612
68
061211
FT-0601
173


68
FT-0614
FT-0605
7
vijak 4.8x50
(DIN 7982)
061210
7
FT-0605
FT-0614
90
061211
68
224

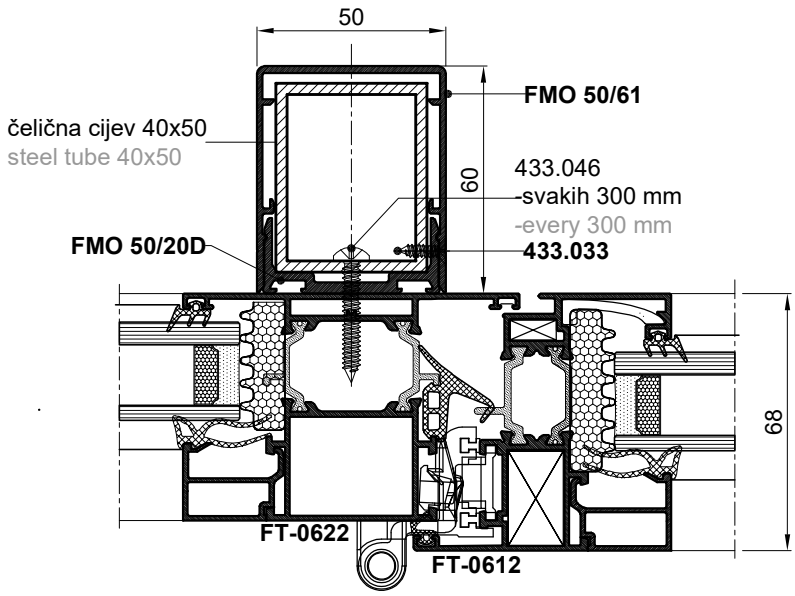
Ojačanje 80 mm
Reinforcement 80 mm

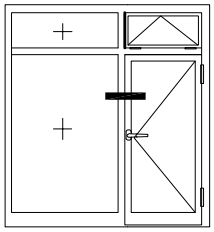


Ojačanje 60 mm
Reinforcement 60 mm

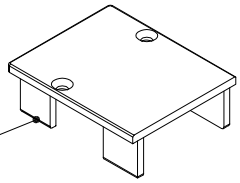


Ojačanje sa čeličnom cijevi
Reinforcement with steel tube

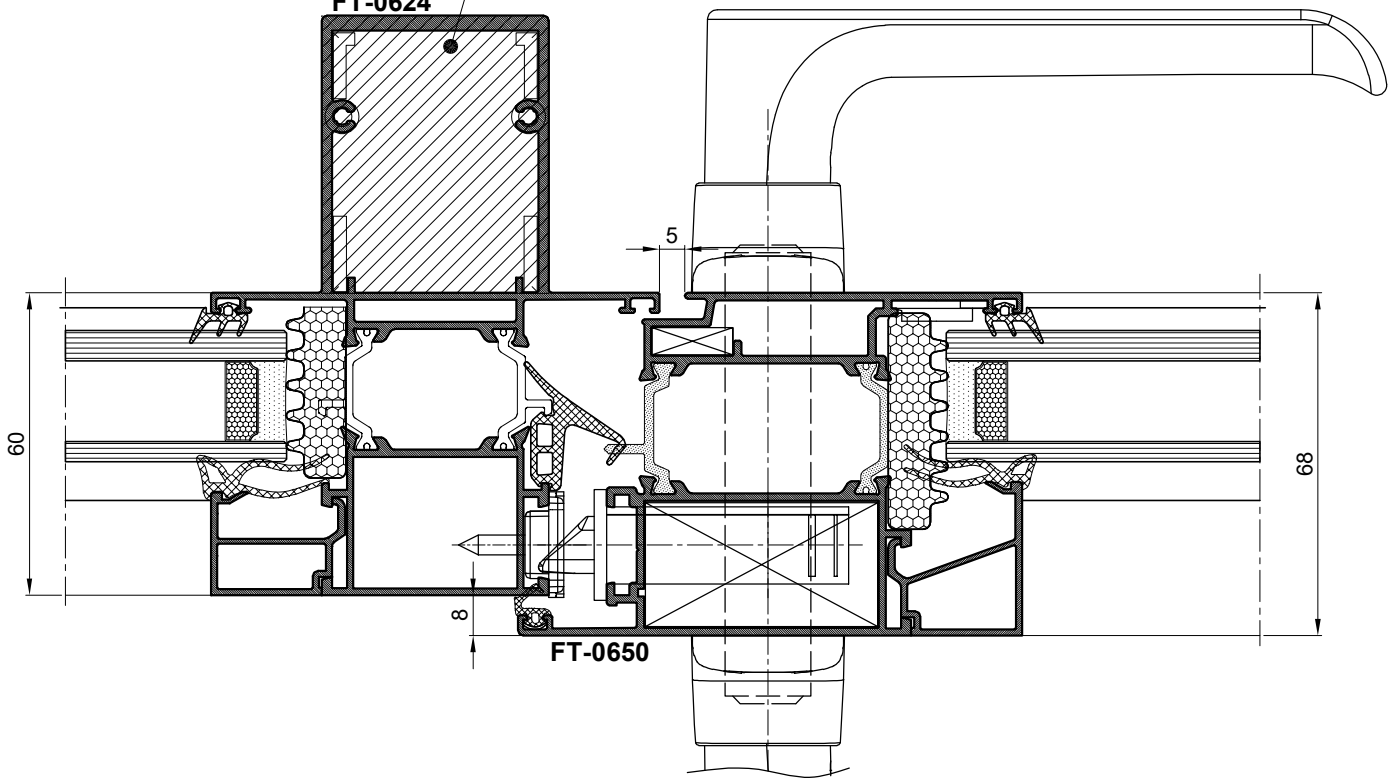


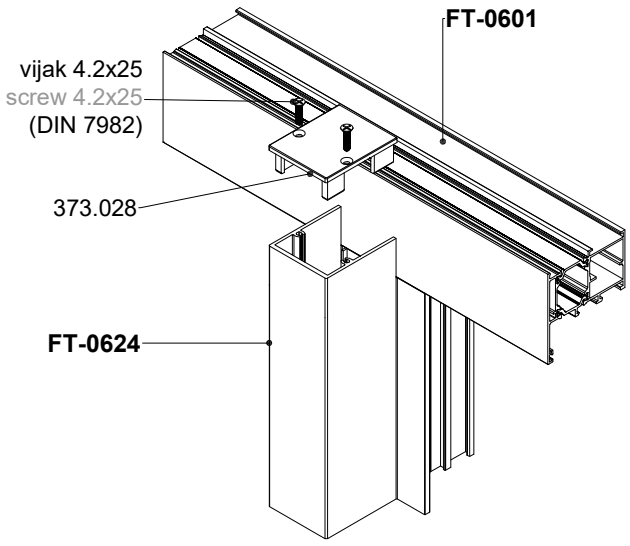


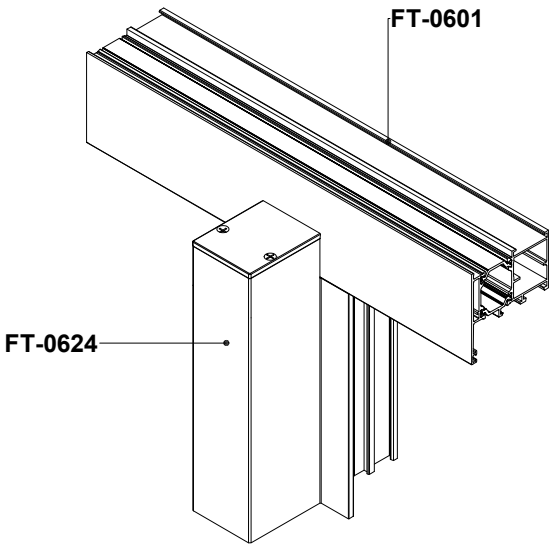
Ojačani profil FT-0209 s umetkom 373.028
Reinforcement profile FT-0209 with insert 373.028

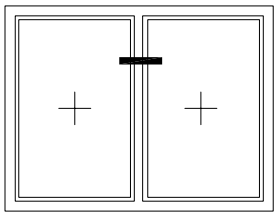


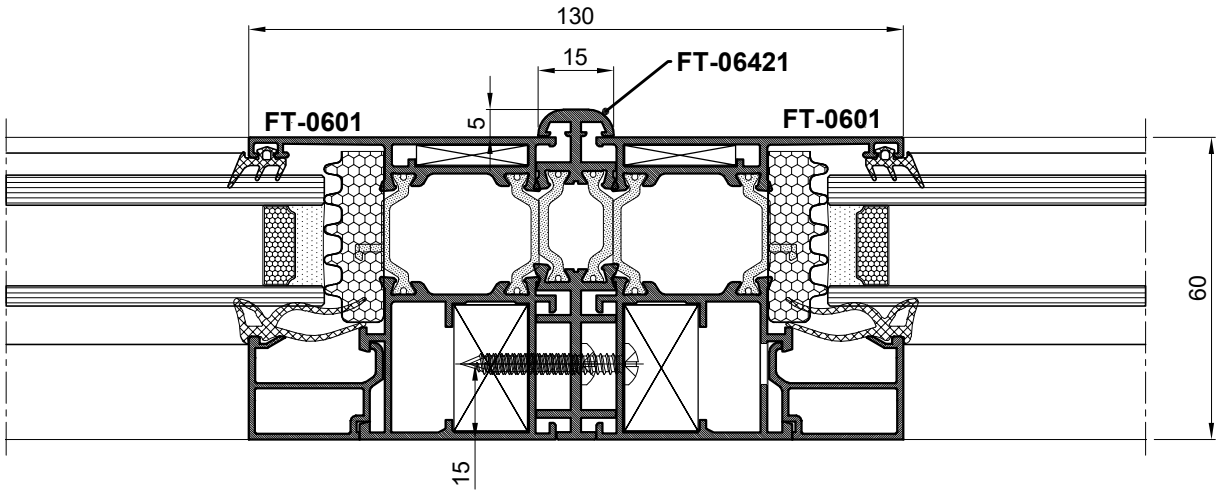
pvc umetak
pvc insert
art.**373.028**

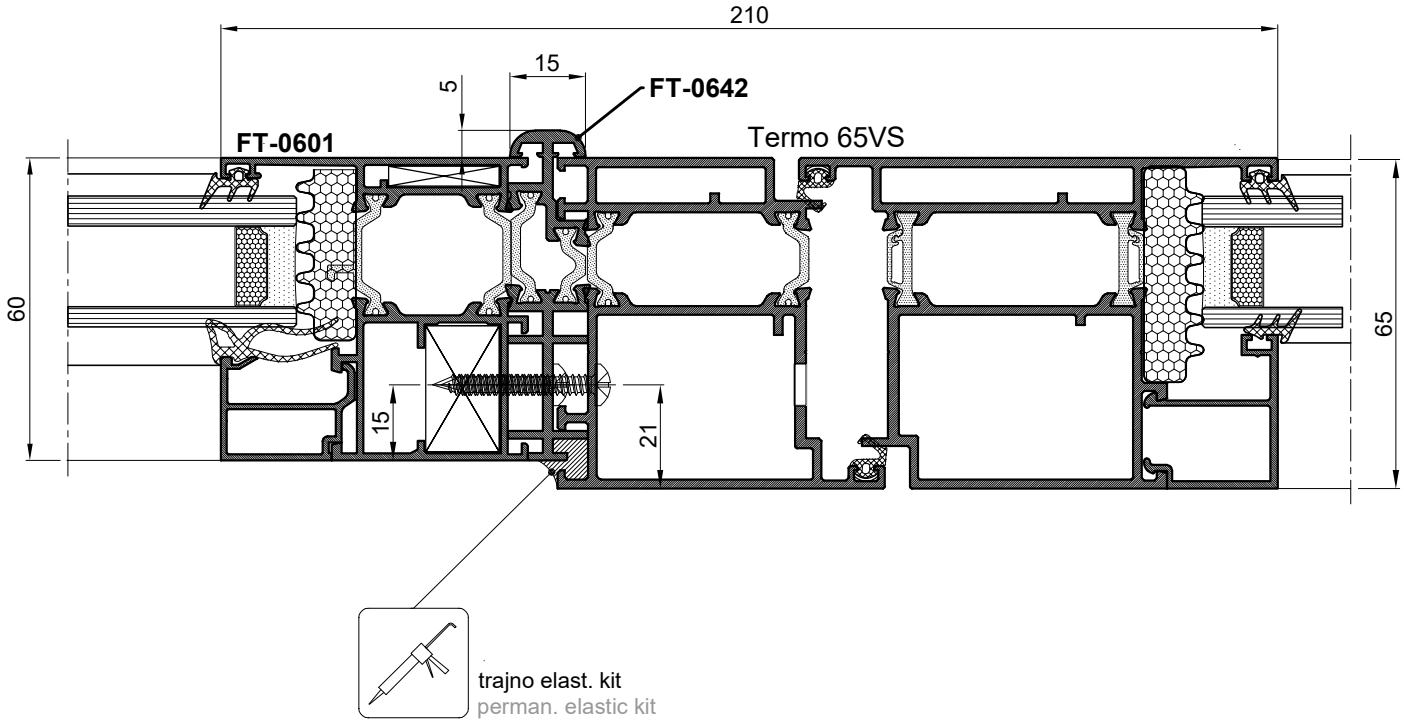




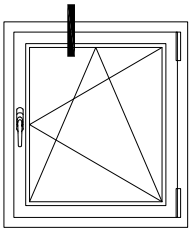




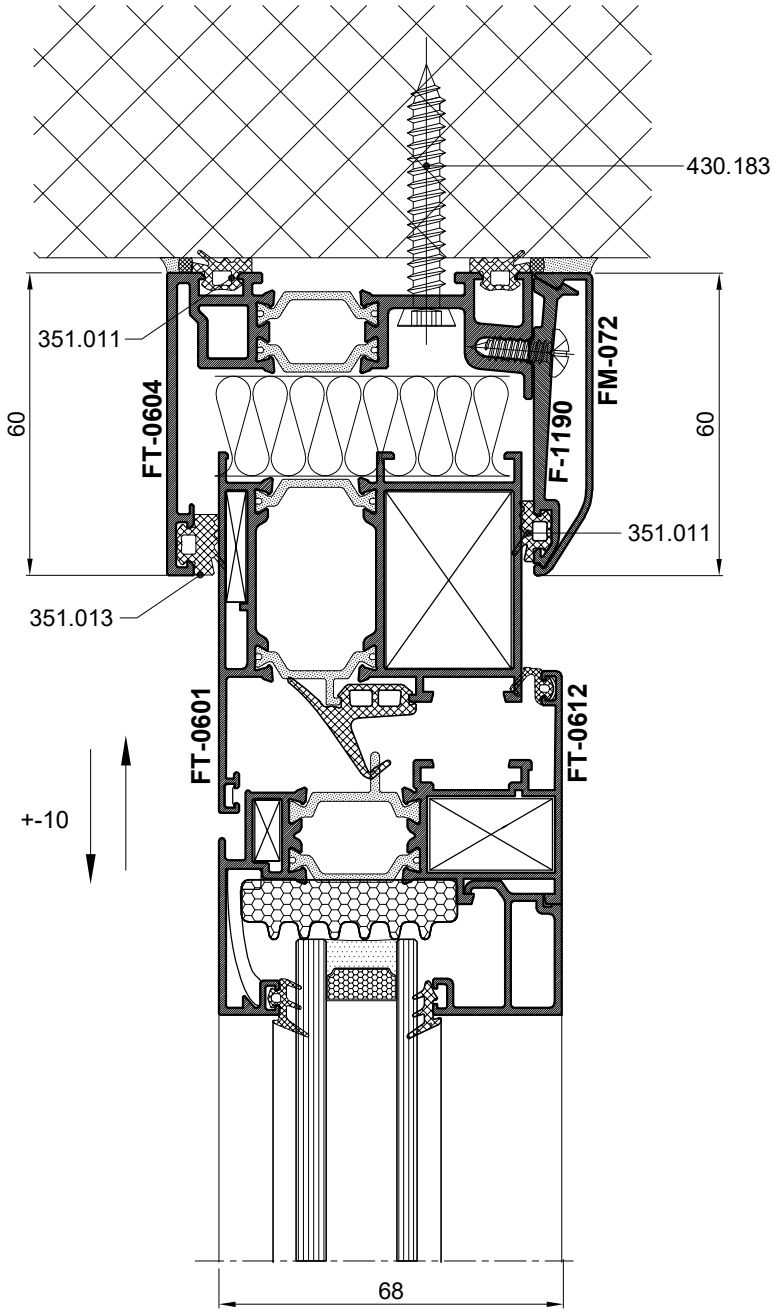


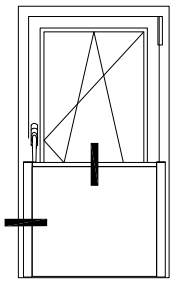


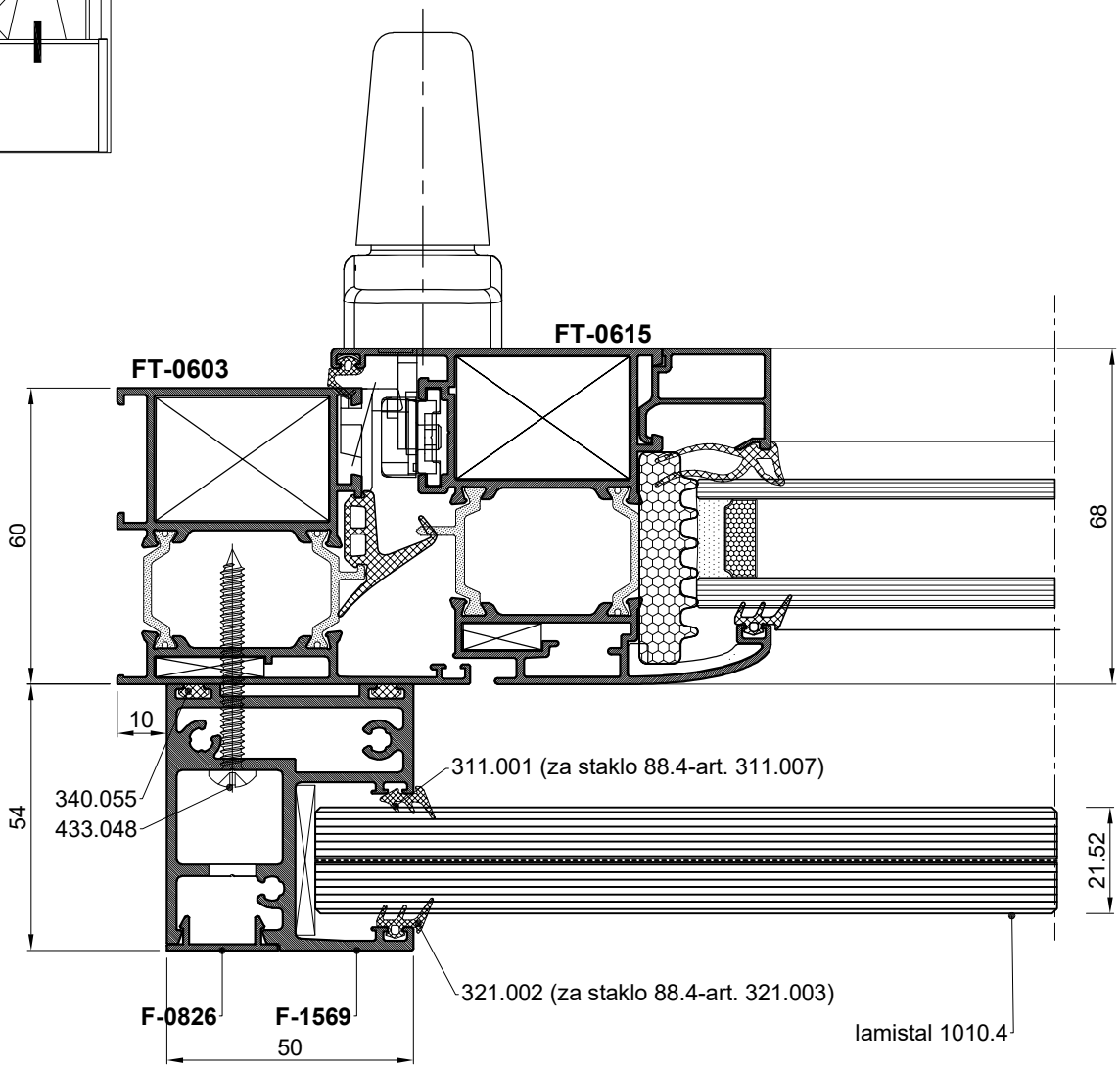
trajno elast. kit
perman. elastic kit

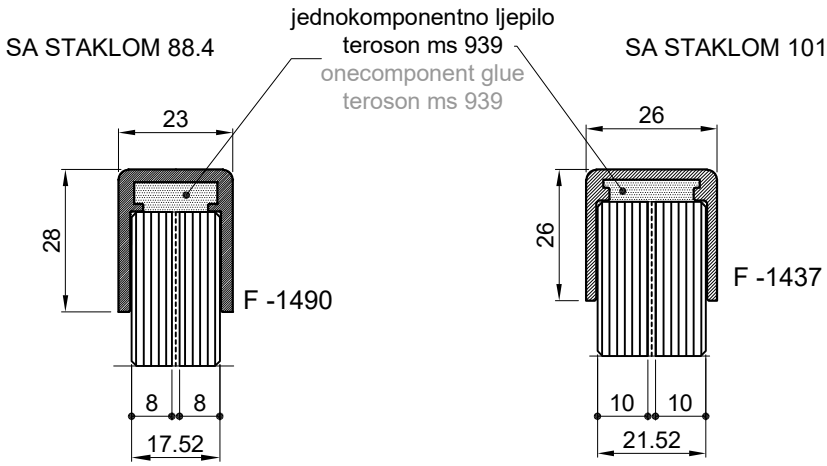


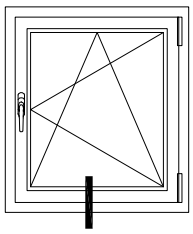
PROFIL ZA UGRADNJU
INSTALATION PROFILE






FT-0615
FT-0603
60
68
10
54
340.055
433.048
311.001 (za staklo 88.4-art. 311.007)
21.52
321.002 (za staklo 88.4-art. 321.003)
F-0826
F-1569
50
lamistal 1010.4

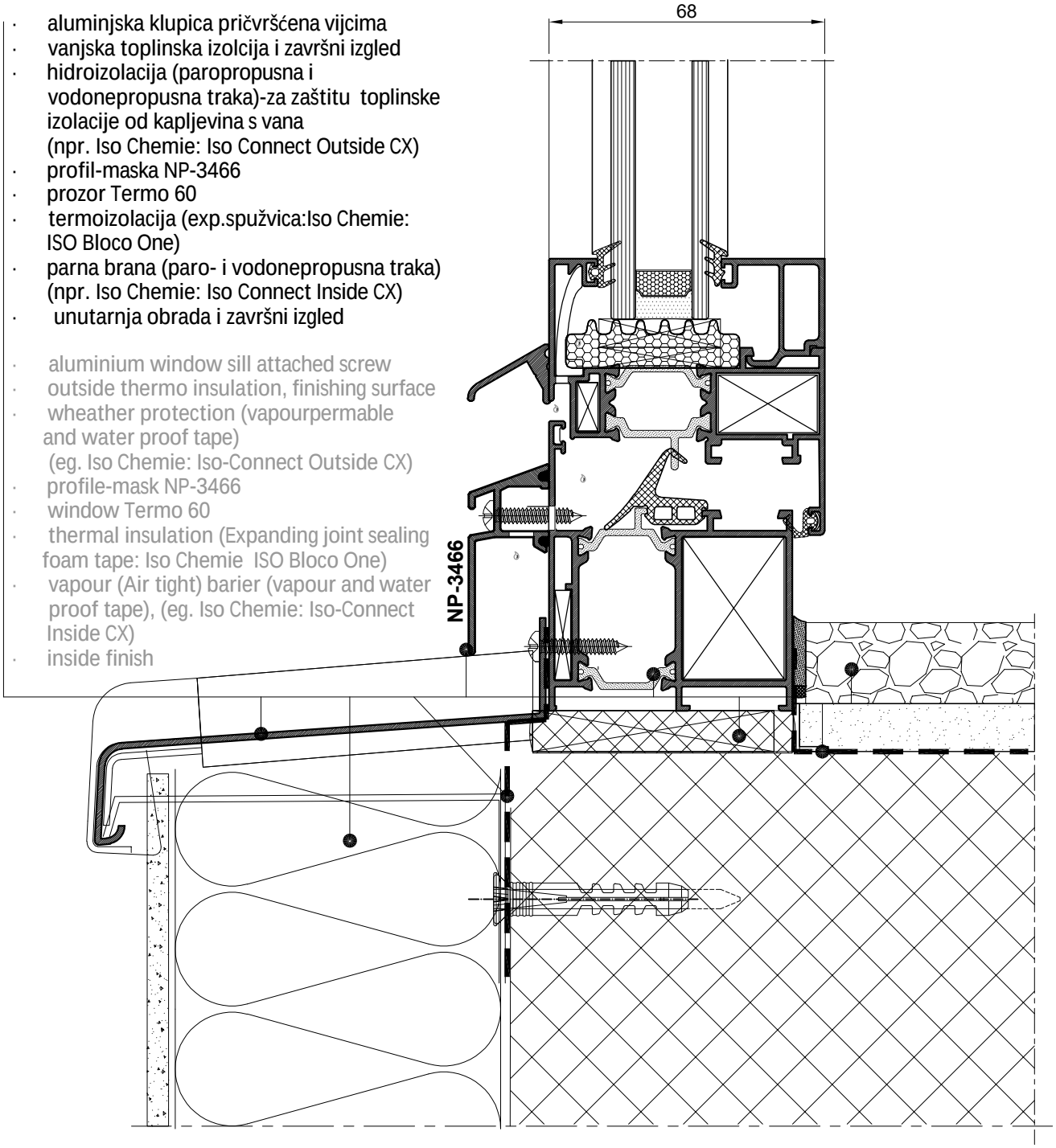

SA STAKLOM 88.4
jednokomponentno ljepilo
teroson ms 939
onecomponent glue
teroson ms 939
SA STAKLOM 1010.4
23
28
F -1490
8
8
17.52
26
26
F -1437
10
10
21.52

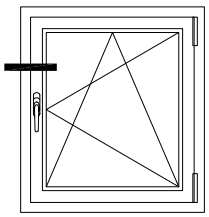


Ugradnja prema RAL standardu
Instalation for RAL standards

- aluminjska klupica pričvršćena vijcima
- vanjska toplinska izolcija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka)-za zaštitu toplinske izolacije od kapljevina s vana (npr. Iso Chemie: Iso Connect Outside CX)
- profil-maska NP-3466
- prozor Termo 60
- 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

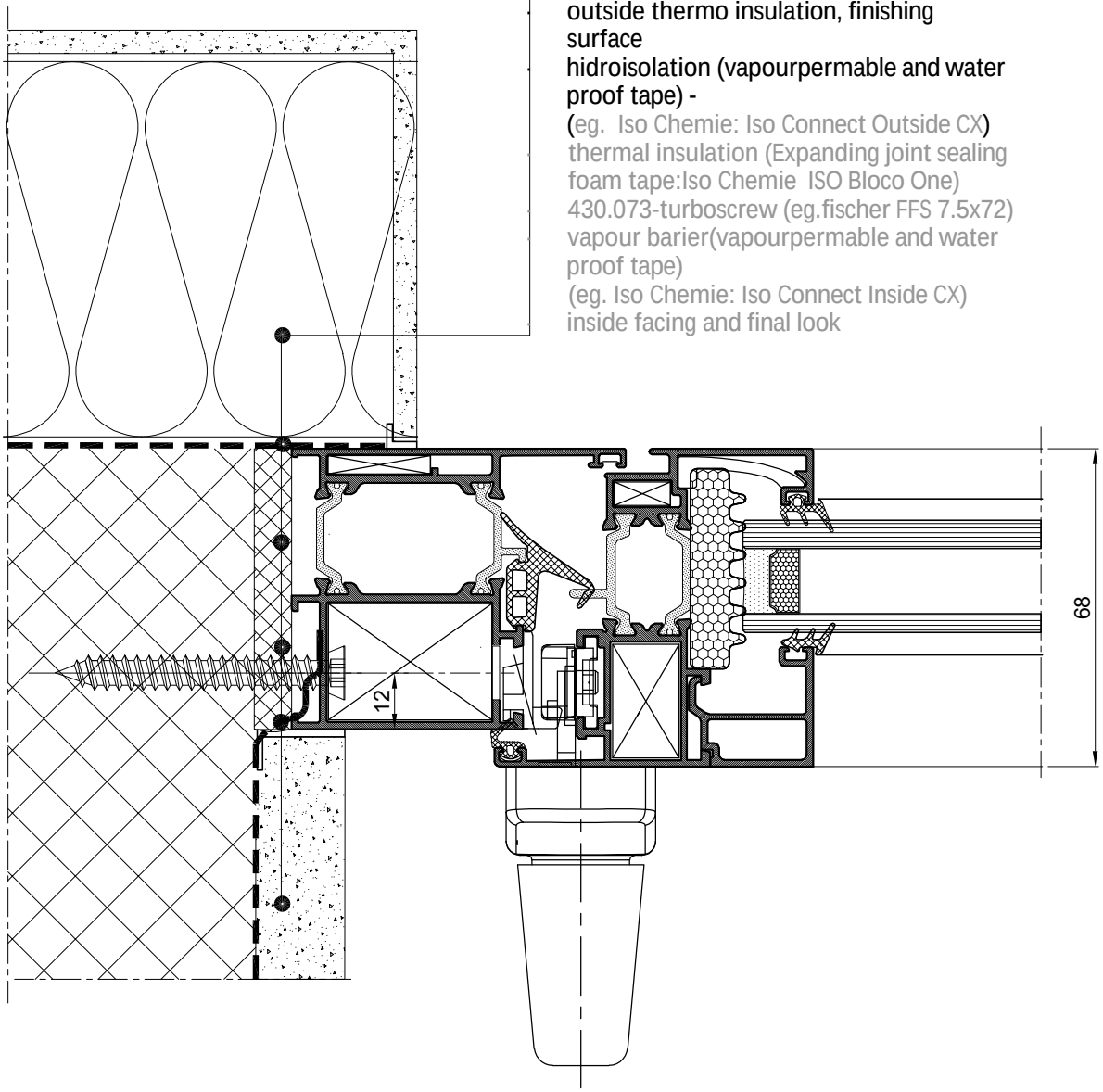
- aluminium window sill attached screw
- outside thermo insulation, finishing surface
- wheather protection (vapourpermable and water proof tape) (eg. Iso Chemie: Iso-Connect Outside CX)
- profile-mask NP-3466
- window Termo 60
- thermal insulation (Expanding joint sealing foam tape: Iso Chemie ISO Bloco One)
- vapour (Air tight) barier (vapour and water proof tape), (eg. Iso Chemie: Iso-Connect Inside CX)
- inside finish

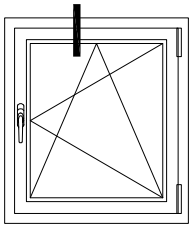




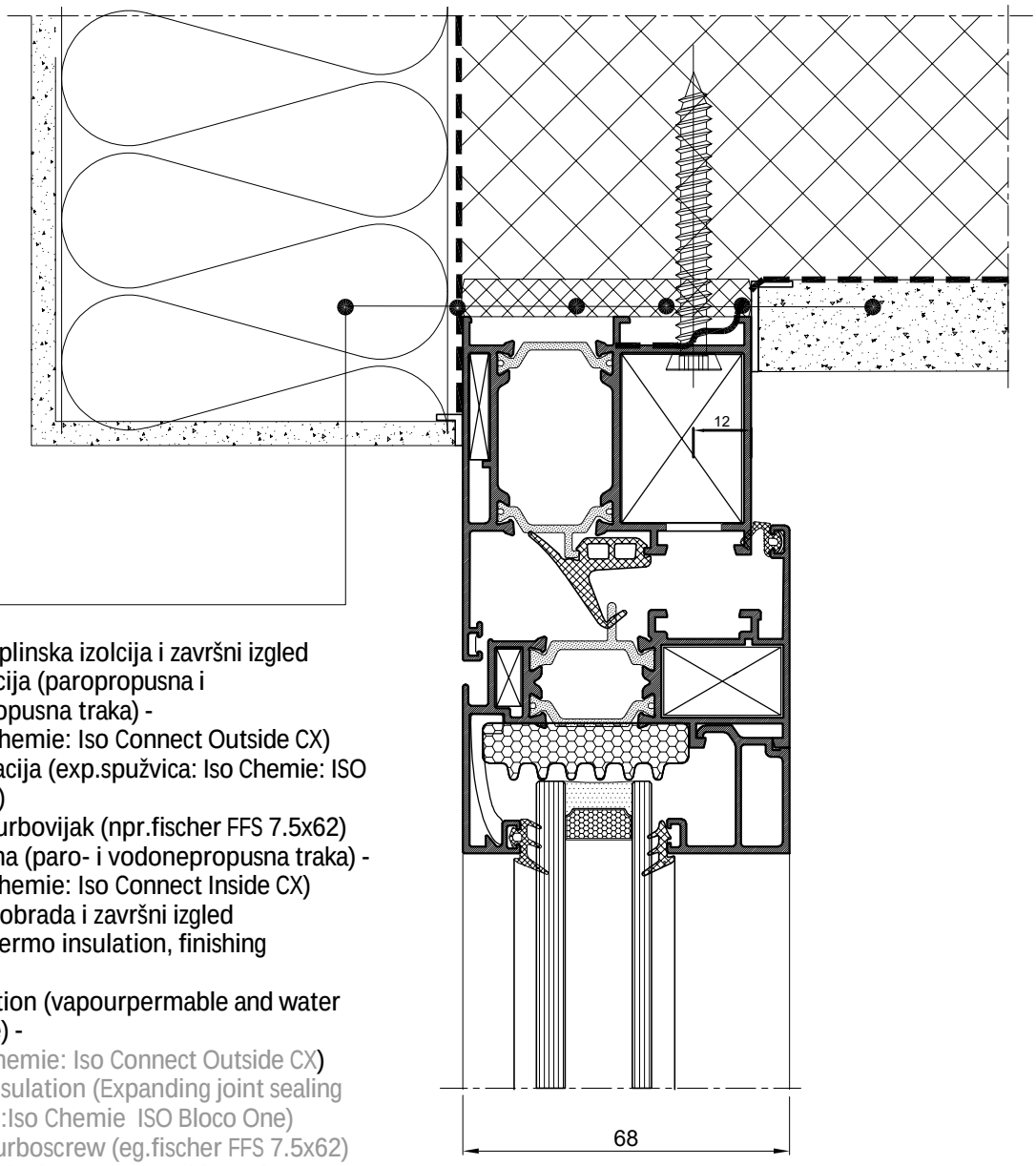
Ugradnja prema RAL standardu
Instalation for RAL standards

vanjska toplinska izolcija i završni izgled
hidroizolacija (paropropusna i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
430.073-turbovijak (npr.fischer FFS 7.5x72)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
outside thermo insulation, finishing surface
hidroisolation (vapourpermable and water proof tape) -
(eg. Iso Chemie: Iso Connect Outside CX)
thermal insulation (Expanding joint sealing foam tape:Iso Chemie ISO Bloco One)
430.073-turboscrew (eg.fischer FFS 7.5x72)
vapour barier(vapourpermable and water proof tape)
(eg. Iso Chemie: Iso Connect Inside CX)
inside facing and final look

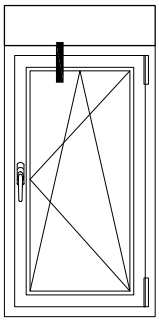


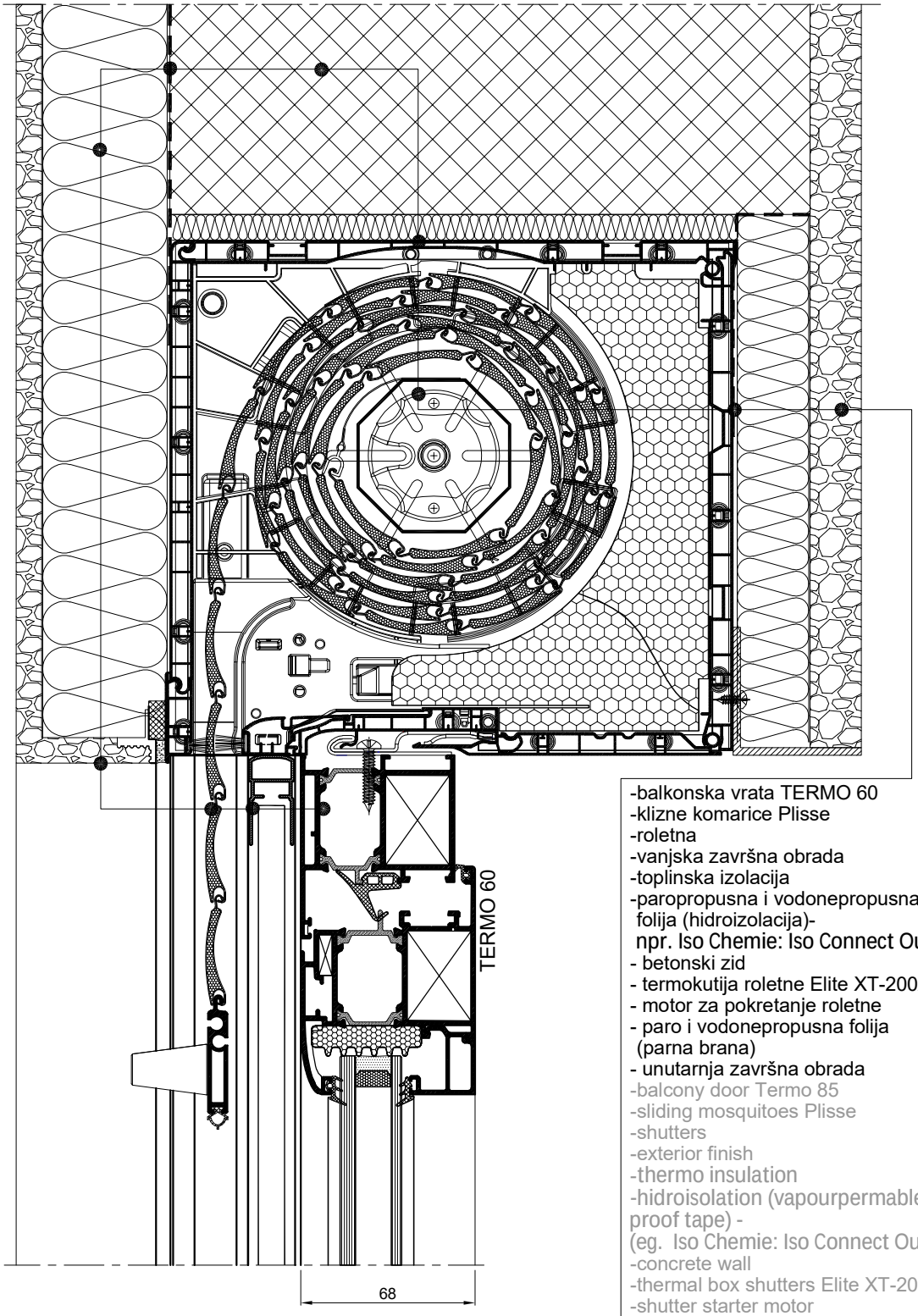


Ugradnja prema RAL standardu
Instalation for RAL standards



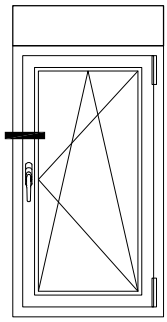
- vanjska toplinska izolcija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka) - (npr. Iso Chemie: Iso Connect Outside CX)
- termoizolacija (exp.spužvica: Iso Chemie: ISO Bloco One)
- 430.184-turbovijak (npr.fischer FFS 7.5x62)
- parna brana (paro- i vodonepropusna traka) - (npr. Iso Chemie: Iso Connect Inside CX)
- unutarnja obrada i završni izgled
- outside thermo insulation, finishing surface
- hidroisolation (vapourpermable and water proof tape) - (eg. Iso Chemie: Iso Connect Outside CX)
- thermal insulation (Expanding joint sealing foam tape:Iso Chemie ISO Bloco One)
- 430.184-turboscrew (eg.fischer FFS 7.5x62)
- vapour barier(vapourpermable and water proof tape) (eg. Iso Chemie: Iso Connect Inside CX)
- inside facing and final look



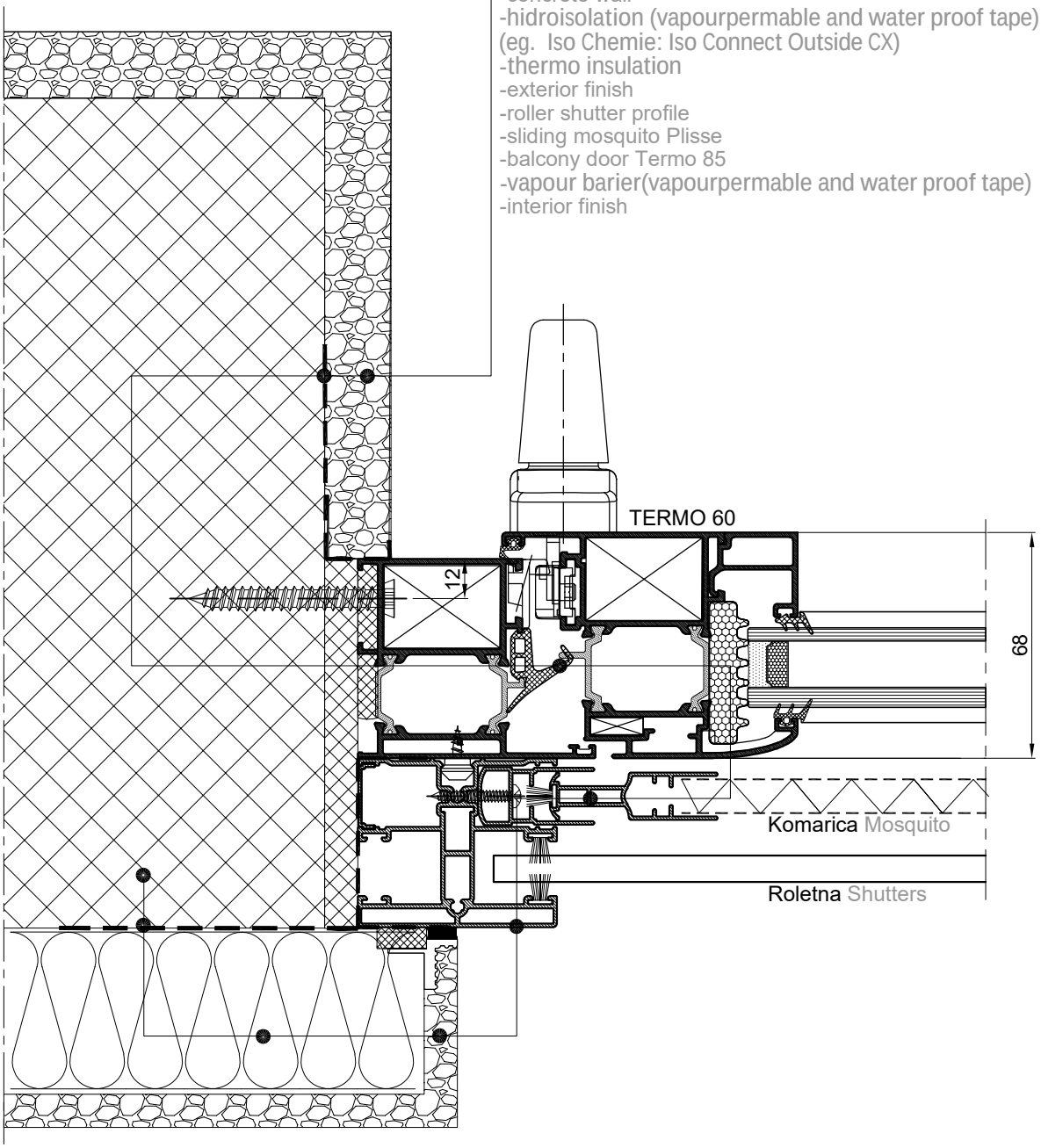


-balkonska vrata TERMO 60
-klizne komarice Plisse
-roletna
-vanjska završna obrada
-toplinska izolacija
-paropropusna i vodonepropusna folija (hidroizolacija)-
npr. Iso Chemie: Iso Connect Outside CX
- betonski zid
- termokutija roletne Elite XT-200x220
- motor za pokretanje roletne
- paro i vodonepropusna folija (parna brana)
- unutarnja završna obrada

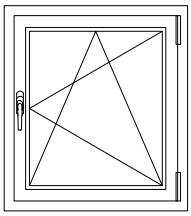
-balcony door Termo 85
-sliding mosquitoes Plisse
-shutters
-exterior finish
-thermo insulation
-hidroisolation (vapourpermable and water proof tape) -
(eg. Iso Chemie: Iso Connect Outside CX)
-concrete wall
-thermal box shutters Elite XT-200x220
-shutter starter motor
-vapour barier(vapourpermable and water proof tape)
-interior finish

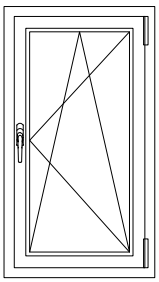


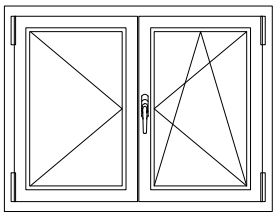
-betonski zid
-paropropusna i vodonepropusna folija (hidroizolacija)
-toplinska izolacija
-vanjska završna obrada
-vodilica roletne
-klizne komarice Plisse
-balkonska vrata TERMO 60
- paro i vodonepropusna folija (parna brana)
- unutarnja završna obrada
-concrete wall
-hidroisolation (vapourpermable and water proof tape) - (eg. Iso Chemie: Iso Connect Outside CX)
-thermo insulation
-exterior finish
-roller shutter profile
-sliding mosquito Plisse
-balcony door Termo 85
-vapour barier(vapourpermable and water proof tape)
-interior finish

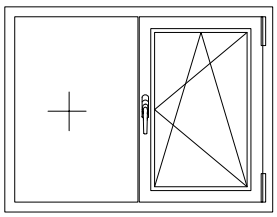


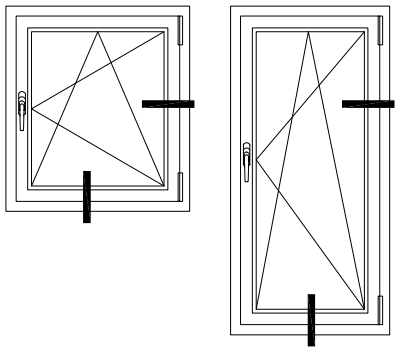
Profili sa žlijebom 16/9
Grooved profiles 16/9

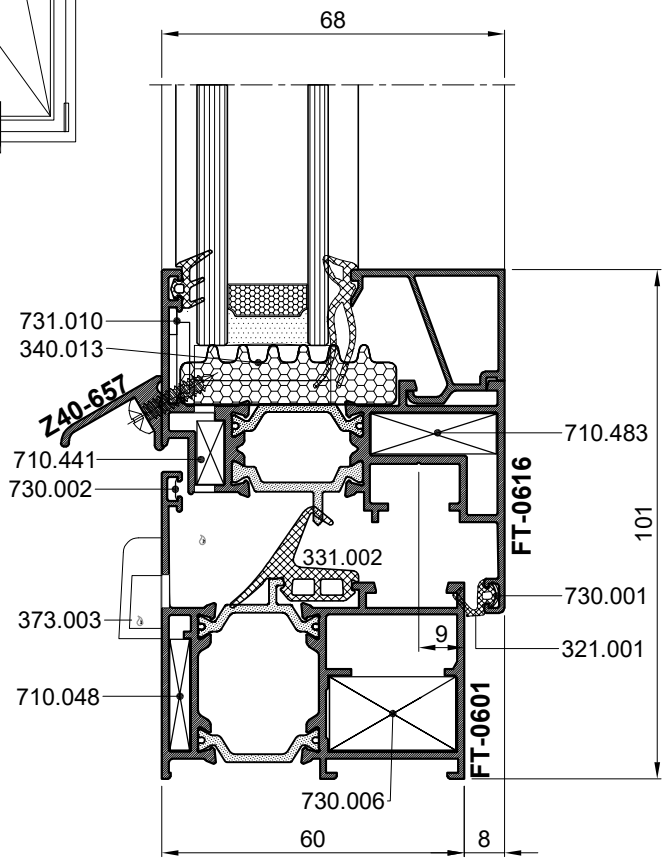


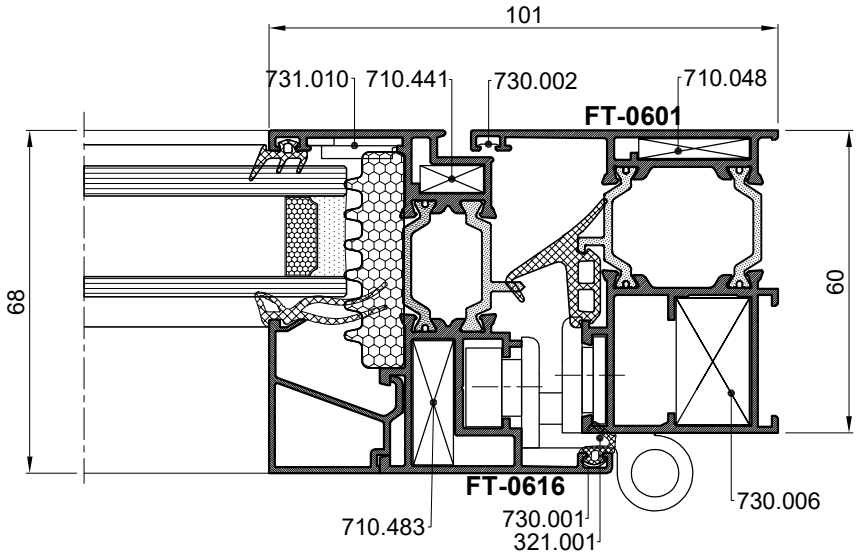


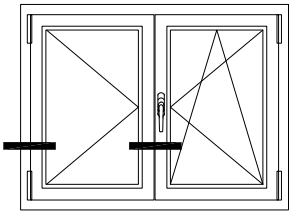


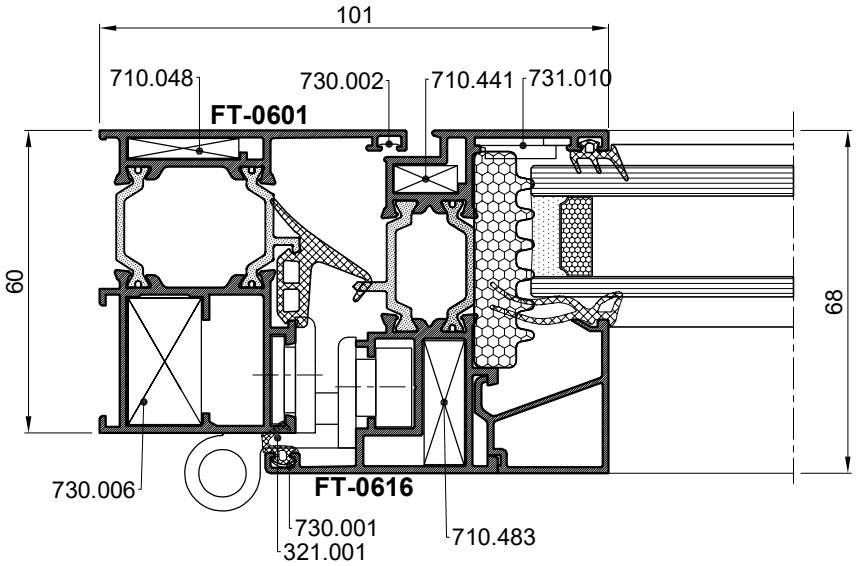


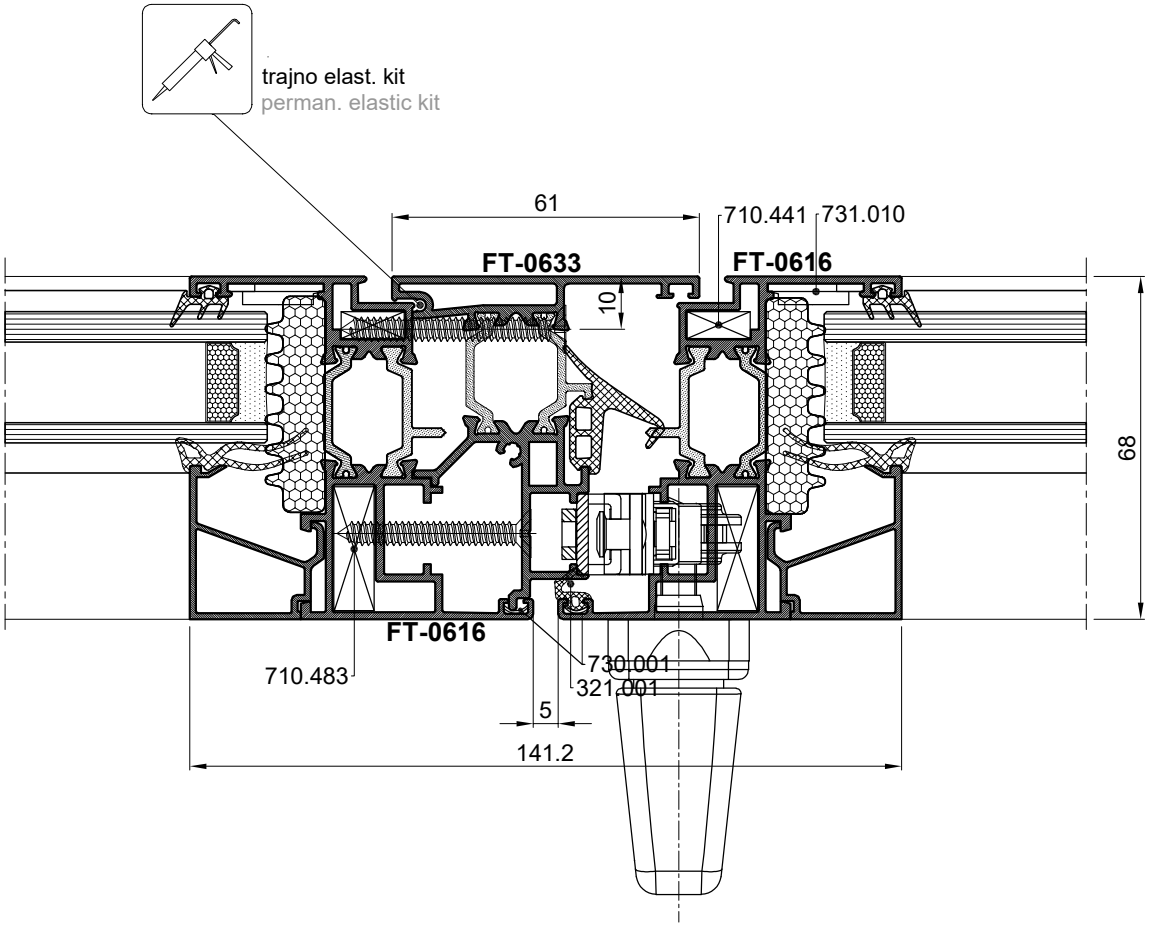


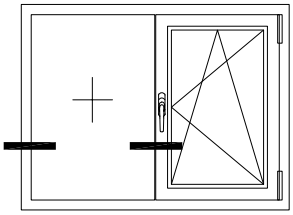

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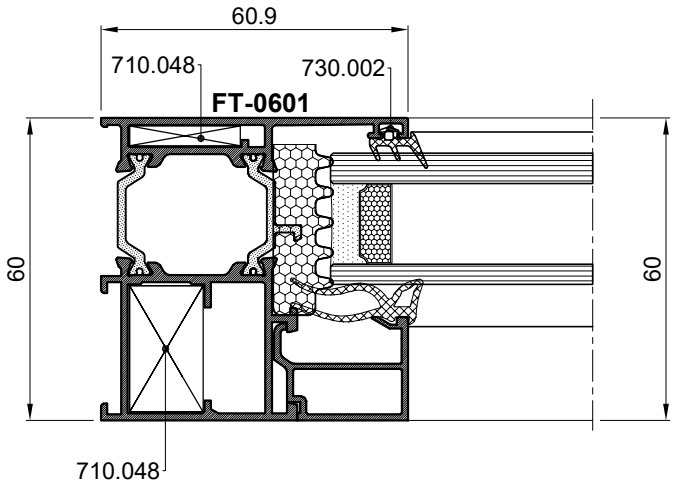

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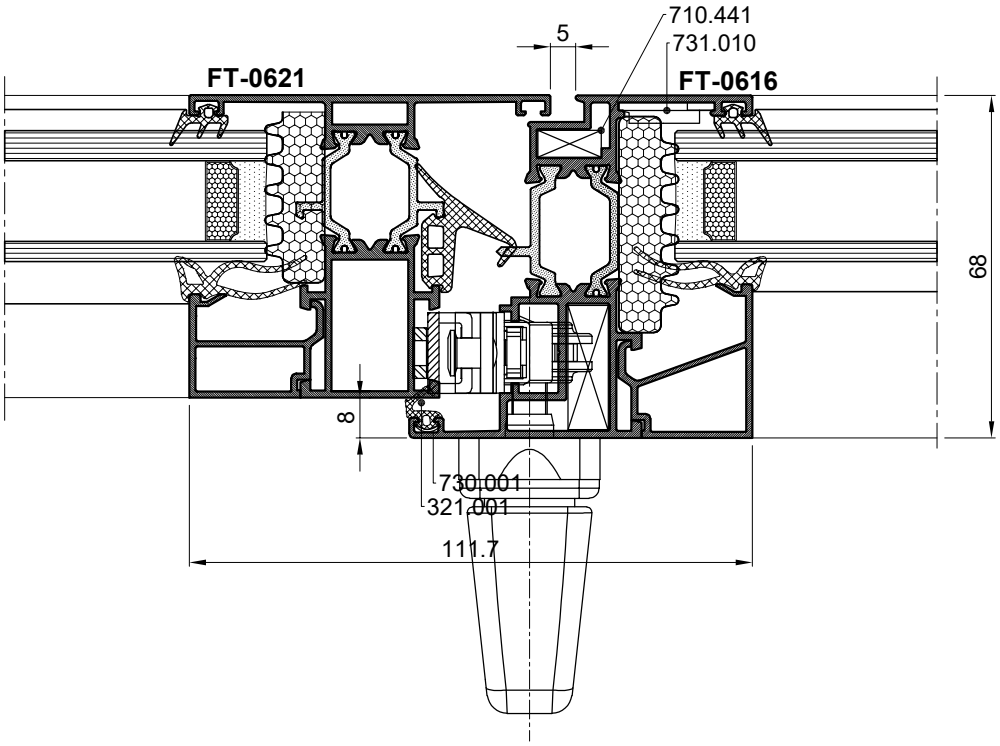



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