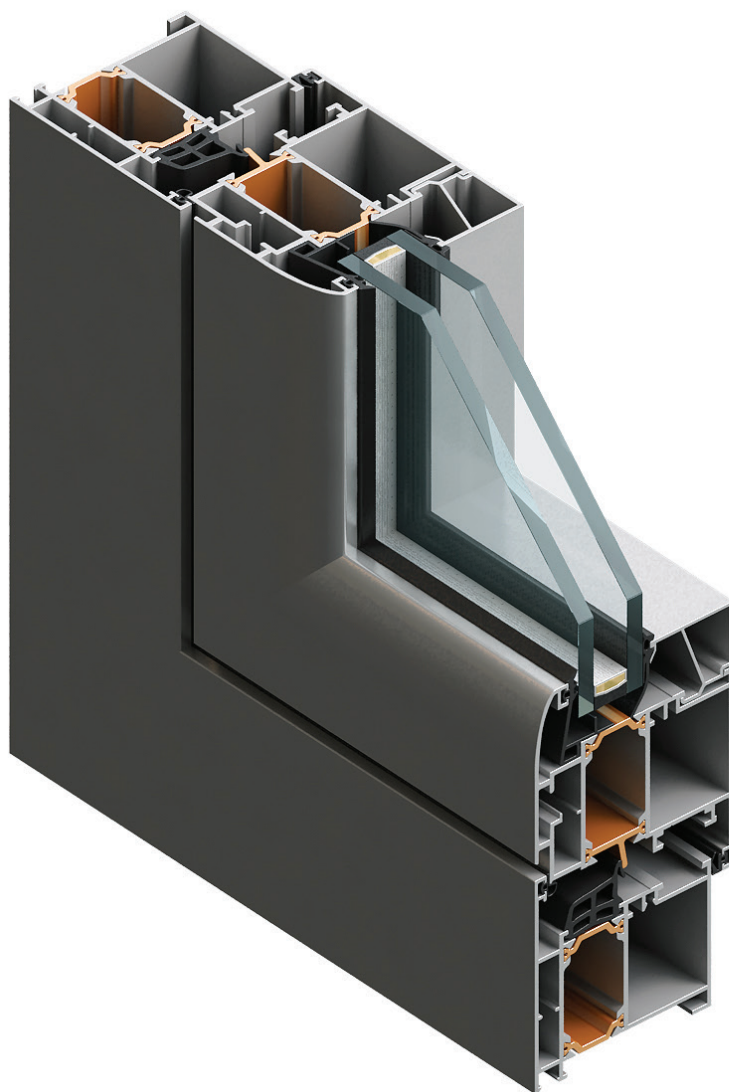


FEAL



TERM0 65

PROZORI I VRATA
FENSTER UND TÜREN

Knjiga A / *Buch A*

SADRŽAJ INHALTSÜBERSICHT

01	ZNAČAJKE SISTEMA	203.01.001-008
01	SERIEN INFORMATIONEN	203.01.001-008
02	ISPITIVANJA I CERTIFIKATI	203.02.001-020
02	PRÜFUNGEN UND ZERTIFIKATEN	203.02.001-020
03	PROFILI	203.03.001-062
03	PROFILE	203.03.001-062
04	PRIKAZ STAKLJENJA	203.04.001-008
04	ÜBERSICHT VERGLASUNG	203.04.001-008
05	PRESJECI	203.05.001-158
05	PROFILSCHNITTE	203.05.001-158

Značajke sistema Serieninformationen

OPIS SISTEMA:

Sistem Termo 65 se koristi za izradu prozora (otvaranje unutra i vani), vrata (otvaranje unutra i vani) i fiksnih stijena.

To je sistem profila sa prekinutim termičkim mostom, osnovne ugradbene dubine dovratnika 65 i 73 mm, Pored osnovne varijante dovratnika/kрила sa ravnim linijama, moguće su izvedbe dovratnika/kрила i sa zaobljenim vanjskim linijama.

Prekid termičkog mosta se postiže poliamidnim trakama širine 22 mm.

Radi dodatnog poboljšanja termičkih karakteristika profila, u komore se ugrađuju profili od XPS -a (ekstrudirani polistiren - $\lambda=0.035 \text{ W/m}^2\text{K}$) i takvi profili dobivaju u nazivu slovo F.

Brtvljenje je izvedeno brtvama EPDM kvalitete.

Mogući tipovi otvaranja su: otklopno, zaokretno, zaokretno otvaranje vani, zaokretno oko srednje ose, otklopno-zaokretno, vrata sa otvaranjem prema unutra i vani.

Sistem je kompatibilan sa fasadnim sistemima 50FK/FS i 60K/S.

Mogućnost odabira profila sa žlijebom 16/13.

Okov koji se ugrađuje u sistem je standardni za eurožlijeb 15/20 i za žlijeb 16/13.

Karakteristike sistema:

-materijal.....	EN AW-6060
-max.masa krila.....	130 kg
-moguća debljina ispune.....	9-59 mm
-zrakopropusnost.....	EN 12207 (klasa 4)
-vodonepropusnost.....	EN 12208 (klasa 9A)
-zaštita od buke.....	DIN 4109 ($R_w=38 \text{ dB}$)
-proračun U_w koeficijenta.....	DIN EN ISO 10077-2 ($\geq 1,4 \text{ Wm}^2/\text{K}$)
-otpornost na udar vjetrova.....	EN 12210 (klasa C5/B5)
-materijal za brtvljenje (EPDM).....	DIN 7863
-površinska obrada.....	DIN 17611
-kontrola kvalitete.....	DIN EN ISO 9001

SYSTEMDETAILS:

Das System TERMO 65 wird zur Herstellung von Fenstern (Innen- und Außenöffnung), Türen (Innen- und Außenöffnung) und festen Glaswänden eingesetzt.

Profile sind mit einer Wärmebrücke ausgeführt. Die allgemeine Einbautiefe des Rahmens 65 und 73 mm, Zusätzlich zu der Grundvariante des Rahmens / Variante mit flachen Linien, Möglichkeit Leistung Rahmen / Flügel mit den abgerundeten Außenlinien.

Eine Thermische Trennung wird mit einem Polyamidsteg mit der Breite 34mm erreicht.

Um die thermischen Eigenschaften zu verbessern (Abnahme der Wärmeleitfähigkeit) werden in die Kammern der Profile Streifen aus extrudiertem Polystyrol (XPS) eingelegt. (extrudiertes Polystyrol- $\lambda=0.035 \text{ W/m}^2\text{K}$) und diese Profile erhalten den Namen F.

Die Flügel- und Rahmendichtung erfolgen mit EPDM-Dichtungen.

Öffnungsmöglichkeiten: kipp, dreh, dreh - auswärts öffnend, Fensteröffnung um die Horizontale und Vertikale Achse, Drehkipp, Tür einwärts und auswärts öffnend.

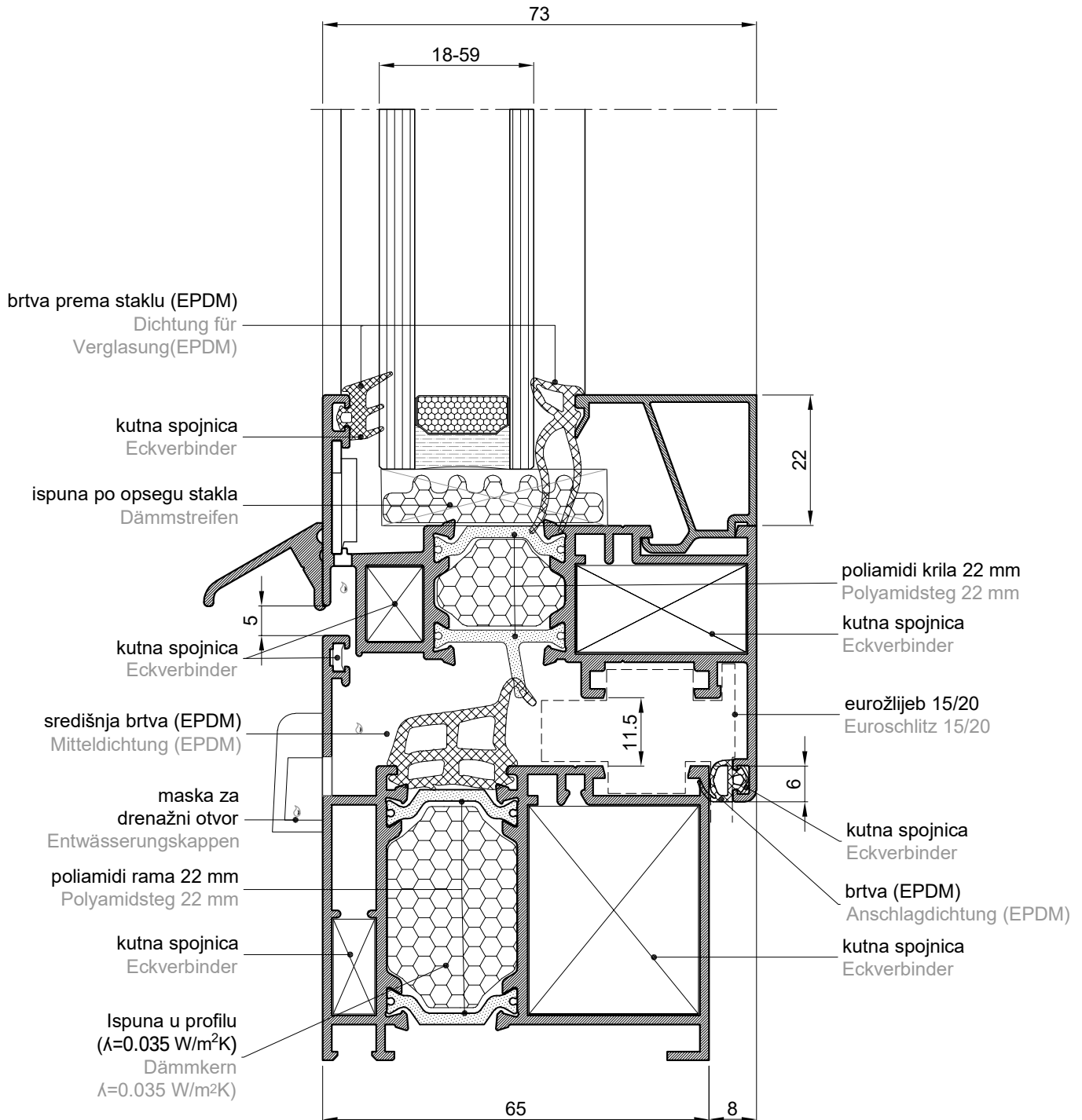
System ist kompatibel mit den Fassadensystemen 50FK/KS i 60K/S.

Auswahlmöglichkeit des Profils mit Nut 16/13

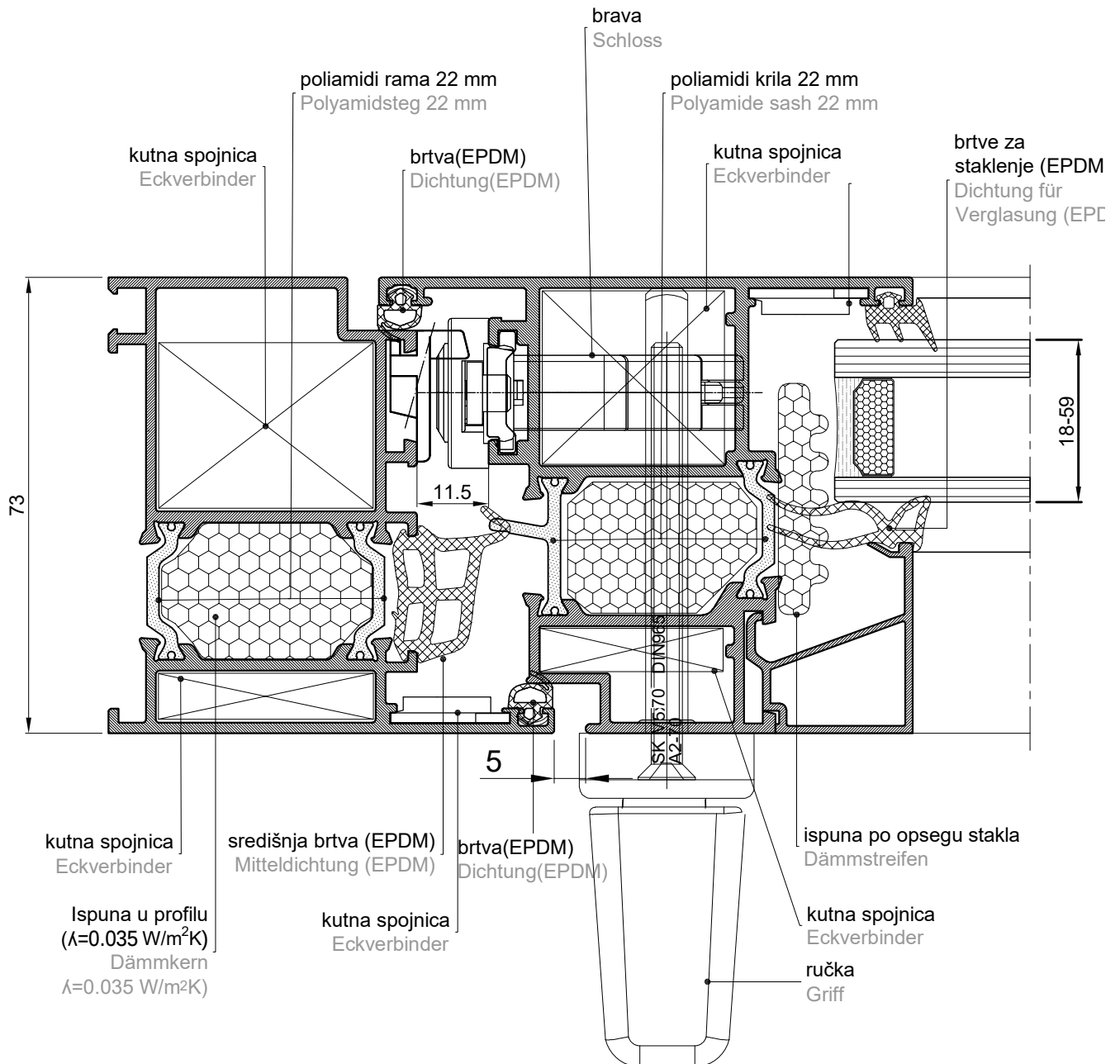
Die Beschläge, die in diesem System eingebaut werden, sind Standard für Euro Nuten und Nuten 16/13

Serieninformationen:

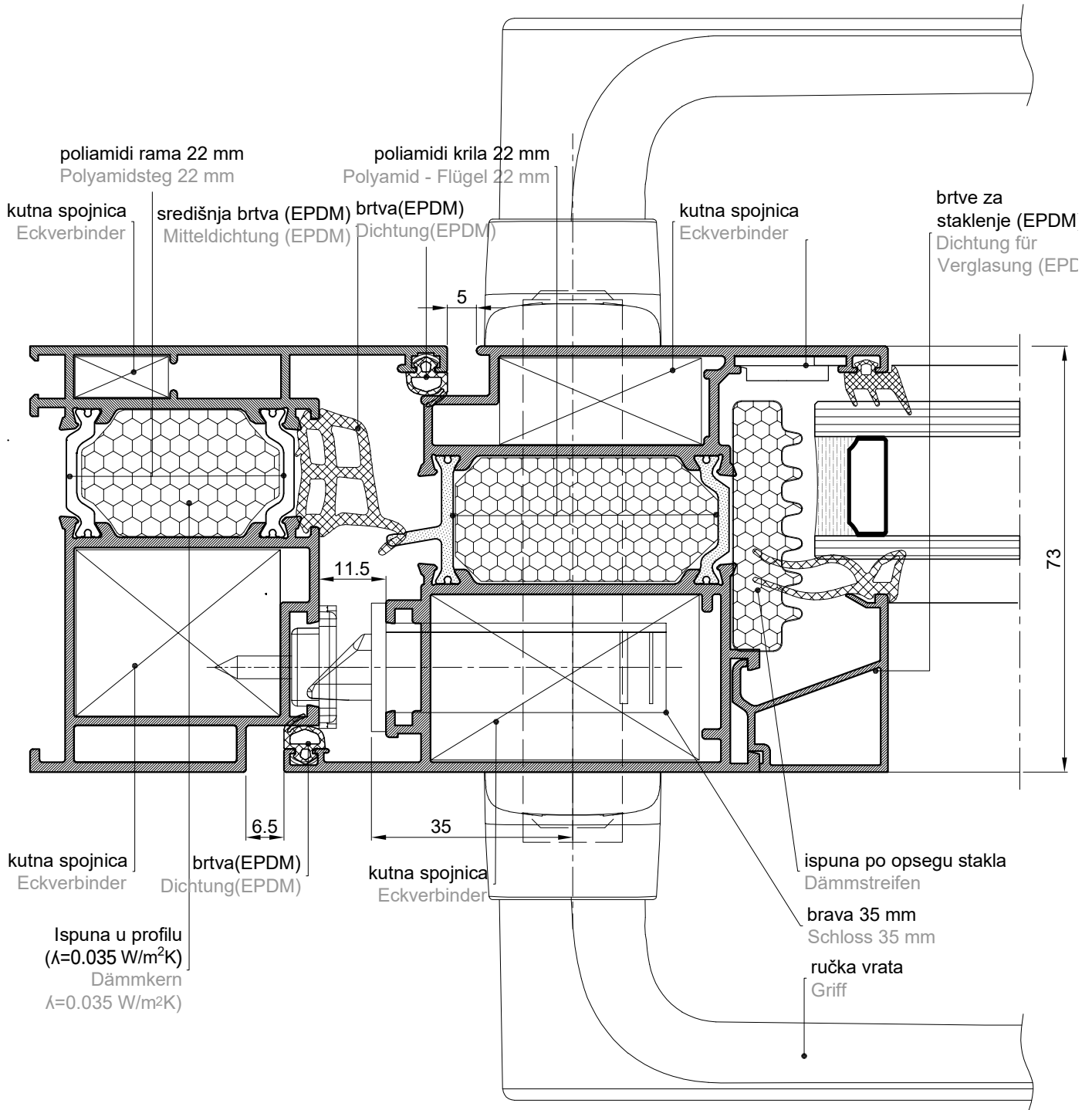
-Material.....	EN AW-6060
-Max. Flügelgewicht.....	130 kg
-Möglichkeit der füllung.....	9-59 mm
-Luftdurchlässigkeit.....	EN 12207 (klasa 4)
-Schlagregendichtheit.....	EN 12208 (klasa 9A)
-Schallschutz.....	DIN 4109 ($R_w=38 \text{ dB}$)
- U_w Berechnung.....	DIN EN ISO 10077-2 ($\geq 1,4 \text{ Wm}^2/\text{K}$)
-Widerstandsfähigkeit gegen windlast.....	EN 12210 (klasa C45/B5)
-Dichtungsmaterial (EPDM).....	DIN 7863
-Oberflächenbehandlung.....	DIN 17611
-Qualitätskontrolle.....	DIN EN ISO 9001



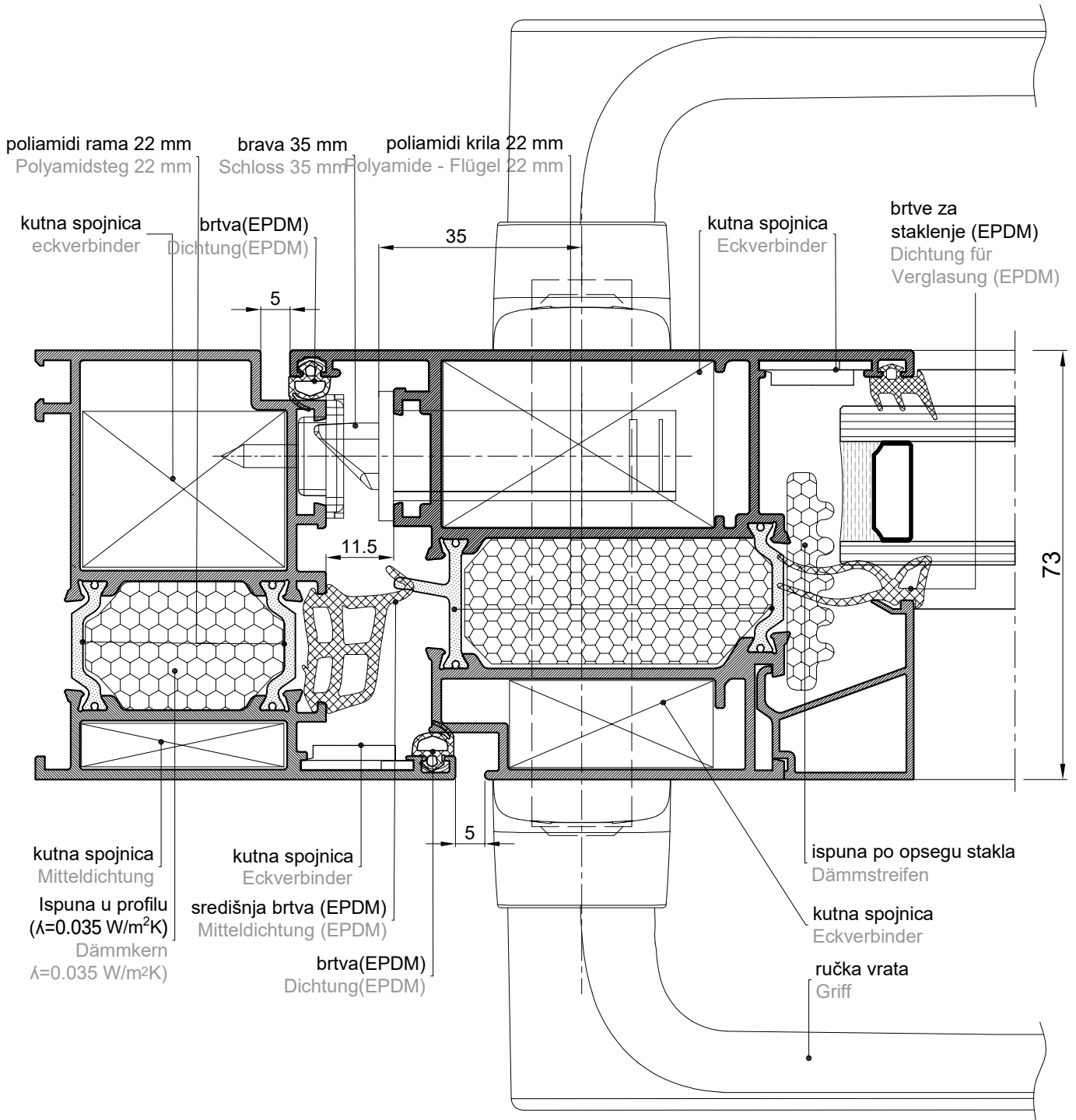
Sistem ravnih linija prozora System von geraden Linien-Fenster



Sistem ravnih linija vrata System von geraden linie-Fenster



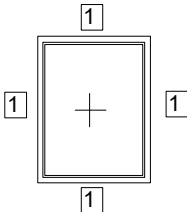
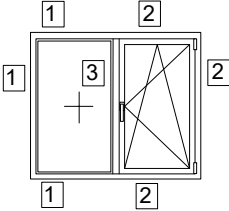
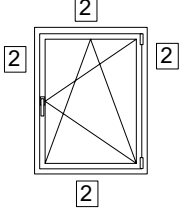
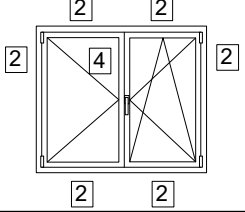
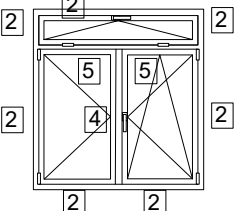
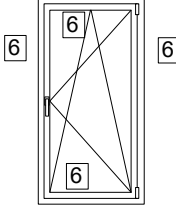
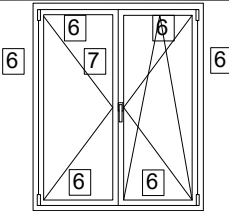
Sistem ravnih linija vrata System straight lines door



Ispitivanja i certifikati

Prüfungen und Zertifikate

ISPITIVANJA I CERTIFIKATI PRÜFUNGEN UND ZERTIFIKATE							
Vrsta ispitivanja Art der Prüfung	Jednokrilni prozor Fenster 1-flügelig	Dvokrilni prozor Fenster 2-flügelig	Dvokrilni prozor s nadsvijetlom Fenster 2-flügelig mit Oberlicht fest	Prozor, otv. oko srednje vodor. ose Fenster, Öffnung um die horizontale Achse	Jed.balk.vrata Balkontür 1-flügelig	Dvo.balk.vrata Balkontür 2-flügelig	Jedokr. prozor s fiksnim dijelom Fenster 1-flügelig mit Fixteil
Zrakopropusnost Luftdurchlässigkeit EN12207	class 4	class 4	class 4	class 3	class 4	class 4	class 4
Vodonepropusnost Schlagregendicht-heit EN 12208	E900	9A	9A	E900	8A	9A	8A
Vjetronepropusnost Widerstandsfähigkeit gegen windlast EN 12210	C5/B5	C4/B4	C4/B4	C4/B4	C4/B4	C3/B3	C5/B5
Buka Rw Schallschutz EN ISO 717-1	38 dB						
Protuprovalnost Einbruchhemmung EN 1627	RC2, RC3	RC2			RC2		
Otpornost na istezanje, torziju... Widerstands auf Belastung, torsion...	+				+		
Pendtl test Schlagfestigkeitsprüfung EN 13049	4						
Toplinska provodljivost prozora, u skladu s EN ISO 10077-1, je Uw=1.4 [W/m²K] Wärmeleitfähigkeit Fenster, in Übereinstimmung mit EN ISO 10077-1, ist Uw=1.4 [W/m²K]							

		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)	2.1 * 2.7							0,7 1,1	≥1.1 * ≥1,2 ≥1,4 * ≥1,5
	-otkl.-zao.s fiks. dijelom Dreh-Kipp mit Festverglasung- Fenster (1600x1480)	2.1 * 2.7	2.5 * 2.9	2.4 * 2.7					0,7 1,1	≥1.3 * ≥1.4 ≥1.6 * ≥1.7
	-otklopno -zaokretno -Dreh-Kipp- Fenster (1230x1480)		2.5 * 2.9						0,7 1,1	≥1.4 * ≥1.5 ≥1.6 * ≥1.8
	-dvokrilno otklopno -zaokretno -Stulpfenster (1600x1480)		2.5 * 2.9		2.7 * 2.9				0,7 1,1	≥1.5 * ≥1.6 ≥1.7 * ≥1.9
	-dvokrilno otkl. -zaok. s nadsvijetlom -Stulpfenster mit Oberlicht fest (1600x1980)		2.5 *2.9		2.7 * 2.9	2.5 * 2.8			0,7 1,1	≥1.5 * ≥1.7 ≥1.8 * ≥1.9
	-balkonska vrata -Balkontür (1100x2200)						2.3 * 2.8		0,7 1,1	≥1.3 * ≥1.5 ≥1.6 * ≥1.8
	-dvokrilna balkonska vrata -2 Teile Balkontür (1600x2200)						2.3 * 2.8	2.4 * 2.9	0,7 1,1	≥1.4 * ≥1.6 ≥1.7 * ≥1.9

* Uf i Uw izračuni bez XPS ispuna u profilima

* Uf i Uw Uf i Uw-Berechnungen ohne XPS-Isolation in den Profilen

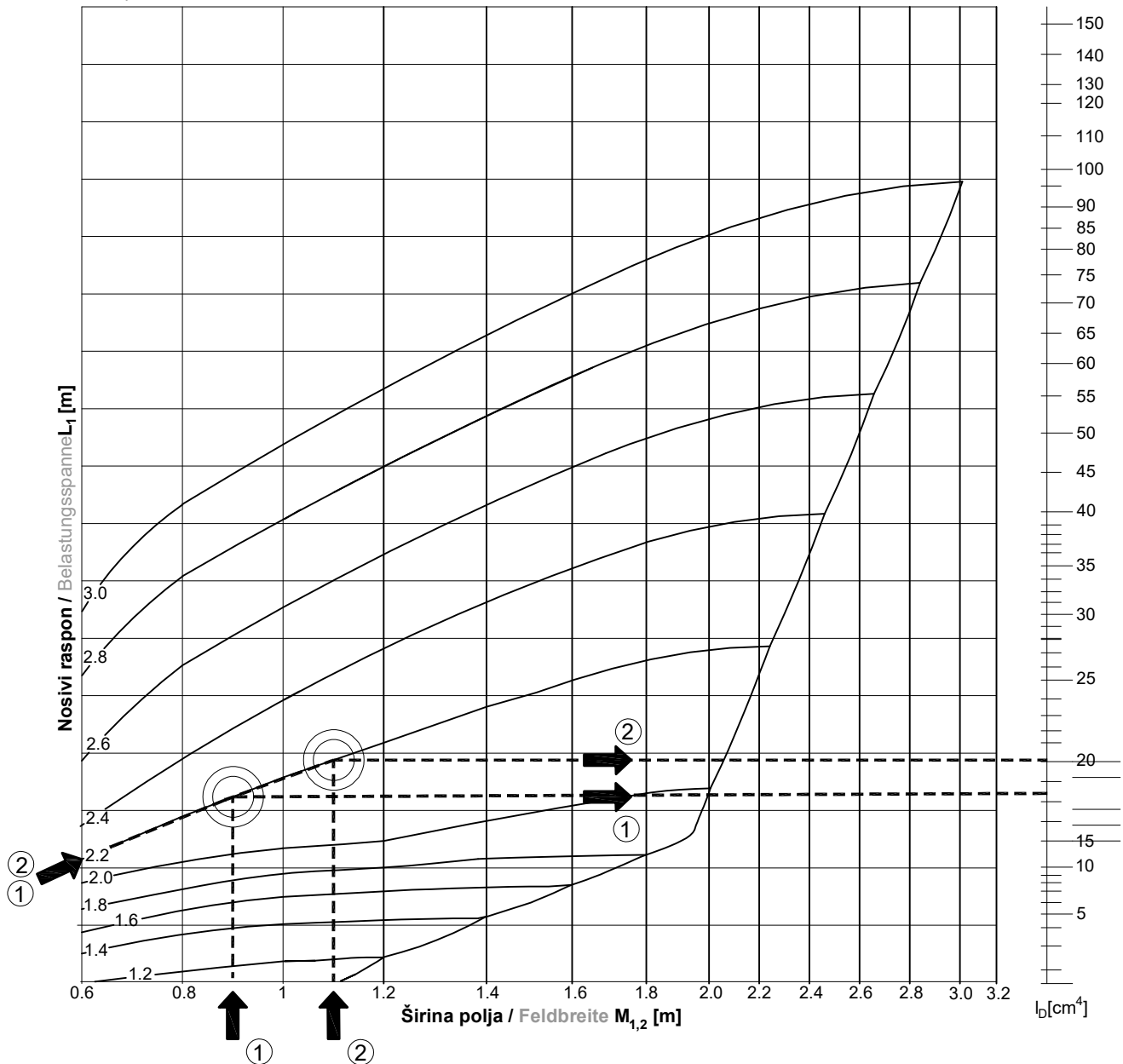
Proračun koeficijenta prolaza topline
Berechnung des
Wärmeübergangskoeffizienten
<http://termika.feal.ba/>



Statički dijagram -opterećenje vjetrom **Strukturdiagramm der Windlast**
Trokutasto i trapezoidno opterećenje **Dreieckige und trapezförmige Belastung**

Osnovni uvjeti
Grundannahmen:

Jed. opterećenje 1.0 kN/m² Stückgut 1.0 kN/m²
 $f_{dop.} / adm. = L / 200$



Statički dijagram -opterećenje vjetrom Strukturdiagramm der Windlast

Trokutasto i trapezoidno opterećenje Dreieckige und trapezförmige Belastung

Primjer primjene dijagrama opterećenja Beispiel eines Lastdiagrammes + Anwendung

1. Ulazni podaci / Eingangsdaten:

Nosivi raspon / Belastungsspanne:

$$L = 2.20 \text{ m}$$

Širina polja / Feldbreite:

$$M_1 = 0.9 \text{ m}$$

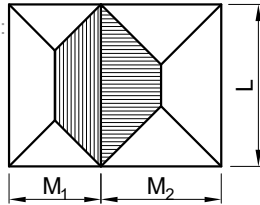
$$M_2 = 1.1 \text{ m}$$

Tlak vjetra*

der Winddruck* = 0.9 kN/m^2

Podtlak vjetra*

der unterdruck Wind* = -0.7 kN/m^2



2. Određivanje potrebnog momenta I_x pod jediničnim opt. 1.0 kN/m^2

Zusätzlich zur Bestimmung des erforderlichen Moments I_x unter Einzellast $1,0 \text{ kN/m}^2$. Grundvariante des Rahmens

Vrijednosti momenata inercije iz dijagrama

Werte des Trägheitsmoment aus dem Diagramm :

$$I_{D1} = 18 \text{ cm}^4 \text{ (① dijagram / diagram)}$$

$$I_{D2} = 20 \text{ cm}^4 \text{ (② dijagram / diagram)}$$

Zbroj s obje strane

die Summe auf beiden Seiten: $I_D = 38 \text{ cm}^4$

3. Određivanje potrebnog momenta I_x pod opterećenjem na građevini

Ermittlung des erforderlichen Trägheitsmoment I_x unter Belastung des Gebäudes

Pretpostavljeni tlak vjetra* / Winddruck angenommen*

$$w_p = 0.9 \text{ kN/m}^2$$

$$\text{potrebni / erforderlich } I_x = w_p \cdot I_D = 0.9 \cdot 38 \text{ cm}^4 = 34 \text{ cm}^4$$

Pretpostavljeni podtlak vjetra* / Windunterdruck angenommen*

$$w_s = -0.7 \text{ kN/m}^2$$

$$\text{potrebni / erforderlich } I_x = w_s \cdot I_D = (-0.7) \cdot 38 \text{ cm}^4 = -26.6 \text{ cm}^4$$

*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 cm^4

größerer absoluter Wert ist gewählt: 34 cm^4

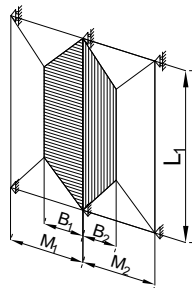
5. Odabirati profil iz tablice

Wählen Sie das Profil aus der Tabelle

Statičke jednadžbe Statische Gleichungen

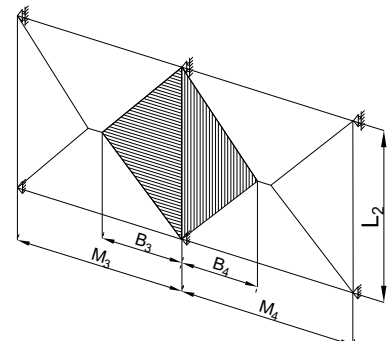
Trapezoidno opterećenje

$$M_{1,2} < L_1$$



Trokutasto opterećenje

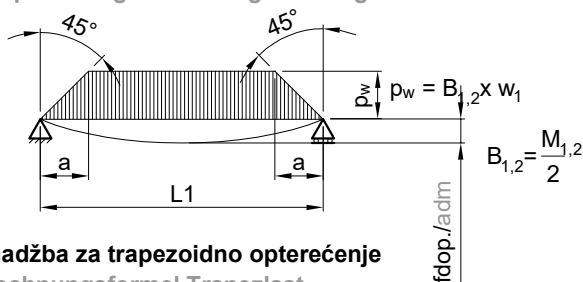
$$M_{3,4} \geq L_2$$



I_x (cm^4) = Moment inercije / Trägheitsmoment
 $L_{1,2}$ (cm) = Nosivi raspon opterećenja / Belastungsspanne
 $B_{1,2}$ (cm) = Širina opterećenja trapezoidnog opterećenja / Breite der Trapezlast $B_{1,2} = M_{1,2}/2$
 $B_{3,4}$ (cm) = Širina opterećenja trokutasto opterećenja / Breite der Dreieckslast $B_{3,4} = L_2/2$
 w_p (kN/cm^2) = Tlak vjetra / der Winddruck
 w_s (kN/cm^2) = Podtlak vjetra / der unterdruck Wind
 p_w (kN/cm) = Linijsko opterećenje / Leitungslast
 E (kN/cm^2) = Modul elastičnosti / Modulus of elasticity $7 \cdot 10^3$
 $fdop.$ / adm. (cm) = dopušteni progib / adm. deflection

Statički sistem trapezoidnog opterećenja

Trapezförmige Belastung des Tragwerks

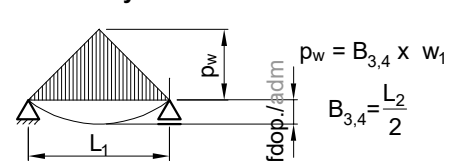


Jednadžba za trapezoidno opterećenje
Berechnungsformel Trapezlast

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

Statički sistem trokutastog opterećenja

Statistisches System Dreieckslast



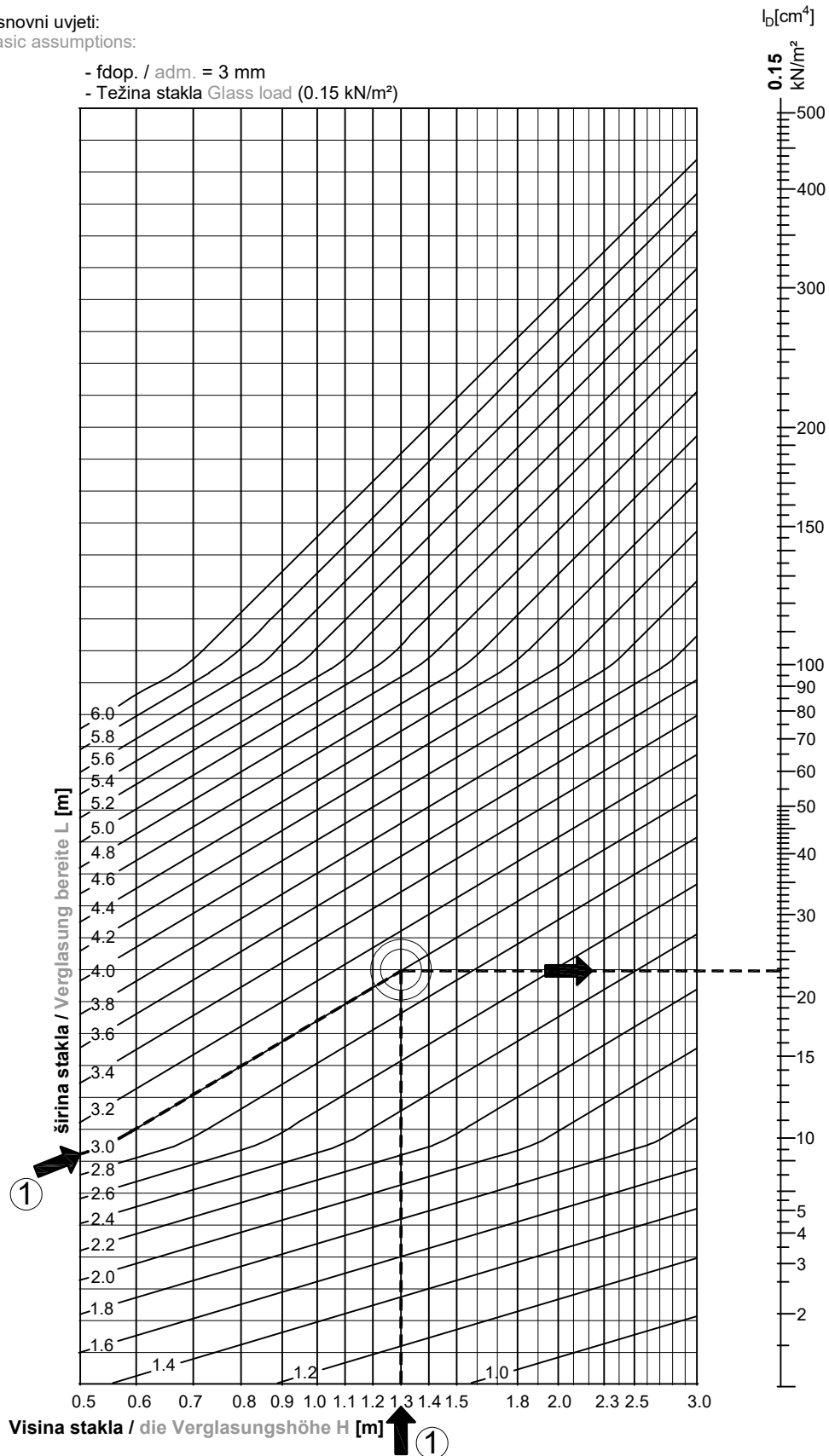
Jednadžba za trokutasto opterećenje
Berechnungsformel Dreieckslast

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

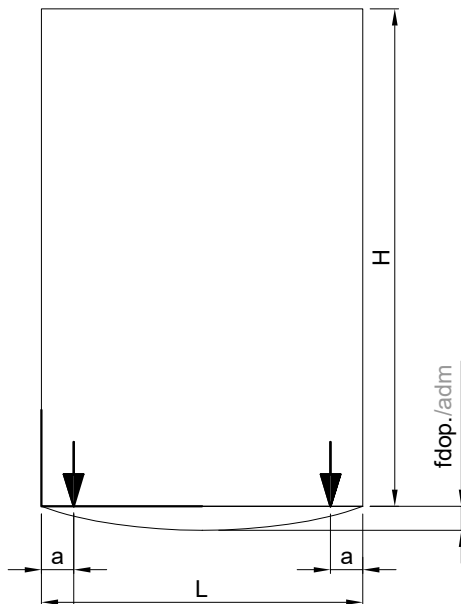
Statički dijagram Težina stakla Strukturdiagramm Glasbelastung

Osnovni uvjeti:
Basic assumptions:

- $f_{dop.} / adm. = 3 \text{ mm}$
- Težina stakla Glass load (0.15 kN/m^2)



Statički dijagram Težina stakla Strukturdiagramm Glasbelastung



1. Ulazni podaci / Eingangsdaten:

Širina stakla / Glasbreite:

$L = 3.00 \text{ m}$

Visina stakla / Verglasungshöhe:

$H = 1.30 \text{ m}$

Debljina stakla / Dicke der Verglasung:

$D = 20 \text{ mm}^*$

* uzima se u obzir samo debljina staklenih ploha
* nur die Dicke der Glasscheiben wird berücksichtigt

2. Određivanje potrebnog momenta I_y pod jediničnim opt. 0.15 kN/m^2 Ermittlung des erforderlichen Moments I_x unter Stücklast 0.15 kN/m^2

za / für $q_s 0.15 \text{ kN/m}^2$

$I_{y0.15} = 23 \text{ cm}^4$ (① dijagram / diagramm)

3. Određivanje potrebnog momenta I_x pod opterećenjem na objektu Ermittlung des erforderlichen Moments I_x unter Belastung des Gebäudes

Debljina stakla / Dicke der Verglasung $D = 20 \text{ mm} \implies K = 3.33$

Potrebni / erforderlich $I_y = K_{20} \cdot I_{y0.15} = (3.33) \cdot 23 \text{ cm}^4 = 77 \text{ cm}^4$



Vlastita težina profila nije uzeta u opterećenje !

Das Eigengewicht des Profils wird nicht berücksichtigt !

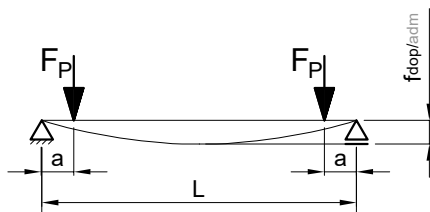
4. Odabrati profil iz tablice

Wählen Sie das Profil aus der Tabelle

Statičke jednadžbe

Statische Gleichungen

Nosač na dva oslonca / Träger auf 2 Unterstützungen



$a = 150 \text{ mm}$ fiksno / fixed

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

$$I_y = \frac{F \cdot a}{24 \cdot E \cdot fdop./adm.} \cdot (3 \cdot L^2 - 4 \cdot a^2)$$

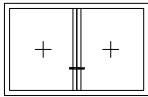
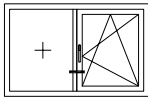
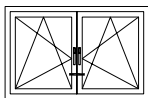
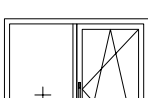
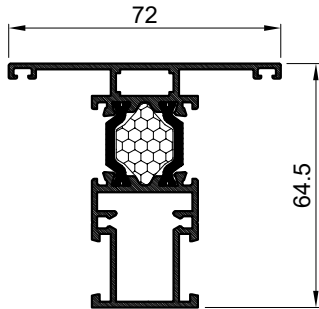
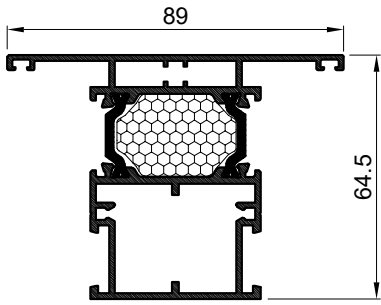
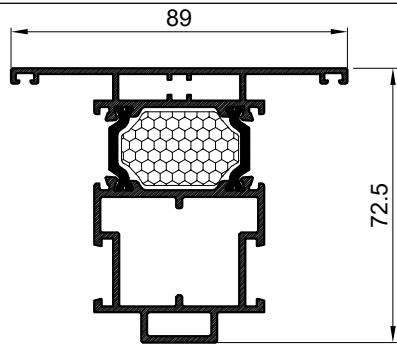
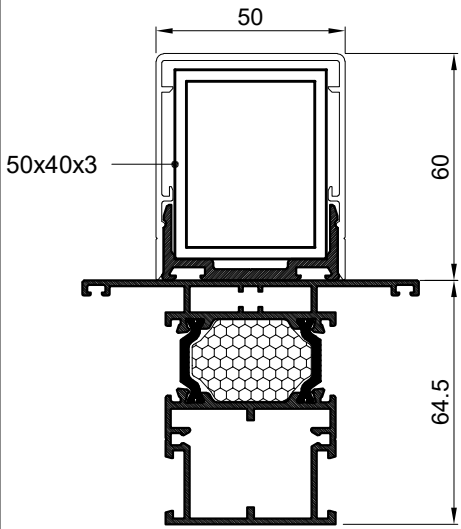
I_y (cm^4) = Moment inercije / Trägheitsmoment
 F_p (kN) = Pojedinačno opterećenje / Einzelne Ladung
 a (cm) = Udaljenost oslonca / Unterstützungsabstand
 H (cm) = Visina stakla / die Verglasungshöhe
 L (cm) = Širina raspona / Belastungsspanne
 q_s (kN/cm^2) = Težina stakla / Glasgewicht
 $fdop./adm.$ (cm) = dop.progib / erlaubt schlaffe

Tablica 1. Težina stakla
Table 1. Glasgewicht

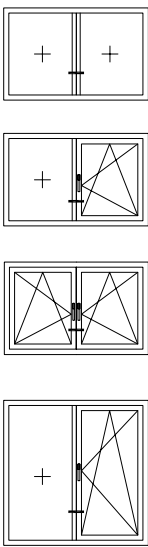
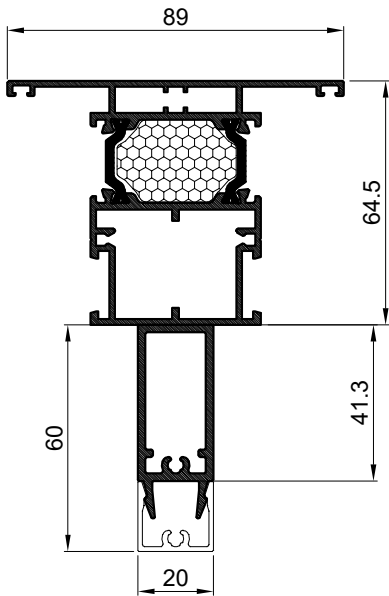
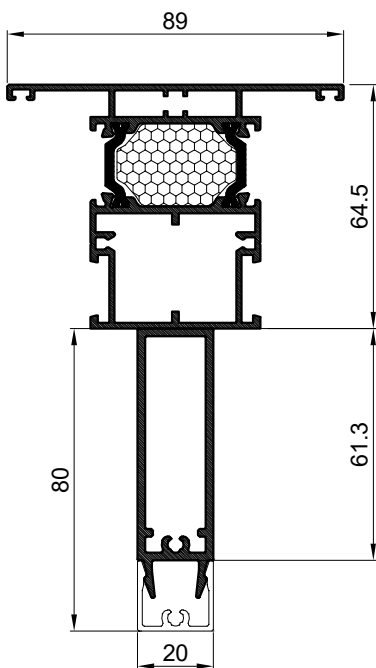
Koeficijent K Koeffizient K	1	1.33	1.66	2	2.33	2.66	3	3.33	3.66	4	4.33	4.66	5	5.33	5.66	6	6.33	6.66	7	7.33	7.66	8
kN/m^2	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50	0.55	0.60	0.65	0.70	0.80	0.85	0.90	0.95	1.00	1.05	1.10	1.15	1.20	1.25
kg/m^2	15	20	25	30	35	40	45	50	55	60	65	70	80	85	90	95	100	105	110	115	120	125
Deblj. stakla (mm) D Glas - Dicke (mm) D	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48



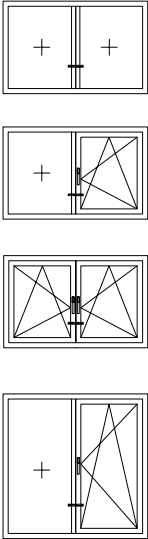
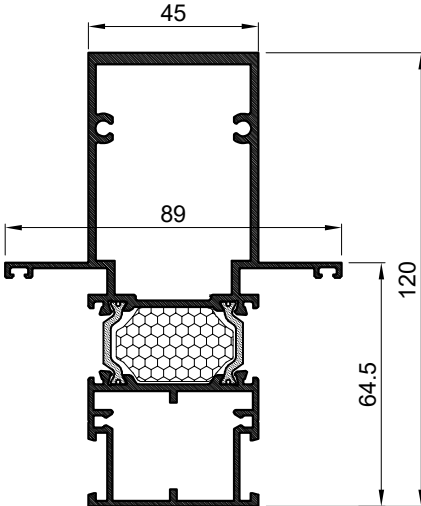
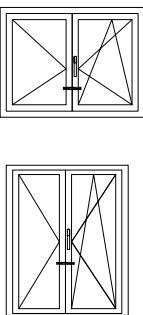
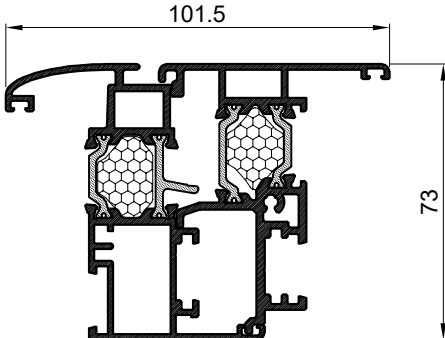
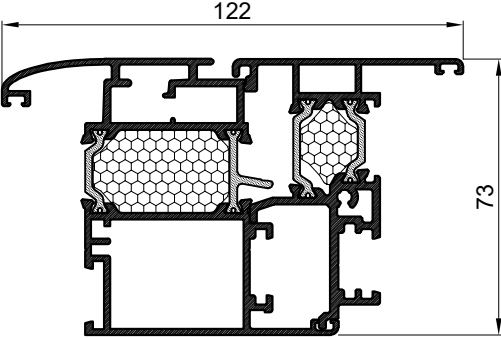
Vrijednosti momenta inercije
Werte der Trägheitsmomente

Tip otvaranja Öffnungsarten	Profili Profile	Izgled Übersicht	I_x (cm ⁴)	I_y (cm ⁴)
   	FT-0205F		17.78	8.91
	FT-0206F		23.18	21.51
	FT-0206F		30.71	21.67
	FT-0206F+ čel.profil 50x40x3		111.76	39.28

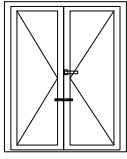
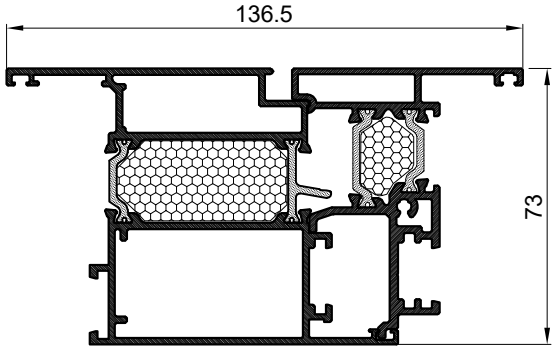
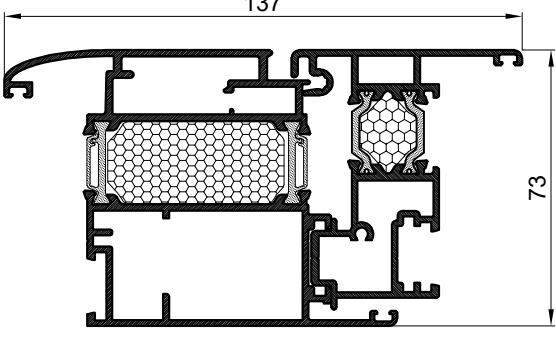
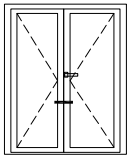
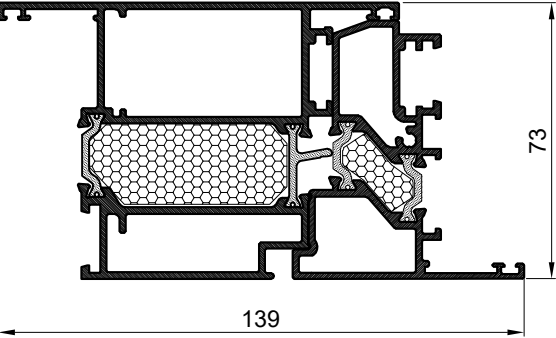
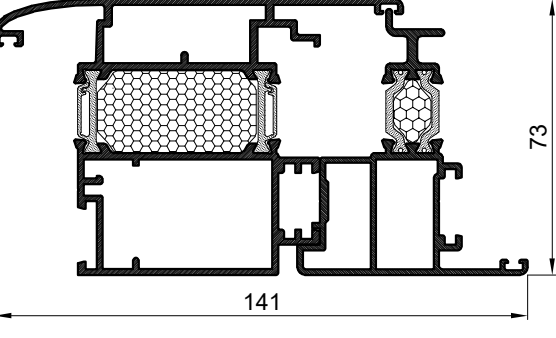
Vrijednosti momenta inercije
Werte der Trägheitsmomente

Tip otvaranja Öffnungsarten	Profili Profile	Izgled Übersicht	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0206F+ F-1634		92.47	23.21
	FT-0206F+ NP-4183		142.36	23.85

Vrijednosti momenta inercije
Werte der Trägheitsmomente

Tip otvaranja Öffnungsarten	Profili Profile	Izgled Übersicht	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0209F		108.01	34.73
	FT-0286F + FT-0203F		43.12	43.94
	FT-0286F + FT-0204F		52.84	87.96

Vrijednosti momenta inercije
Werte der Trägheitsmomente

Tip otvaranja Öffnungsarten	Profil Profile	Izgled Übersicht	I_x (cm ⁴)	I_y (cm ⁴)
	FT-0277F + FT-0275F		58.27	123.08
	FT-0211/AF + FT-0218F		61.57	130.6
	FT-0281F + FT-0279F		62.43	134.06
	FT-0213/AF + FT-0219F		60.37	141.85

PREPORUKE ZA ODABIR PROFILA KRILA OVISNO O VELIČINI KRILA

EMPFEHLUNGEN ZUR AUSWAHL DES FLÜGELPROFILS IN ABHÄNGIGKEIT DER FLÜGELGRÖSSE

Grupa A - profili krila za prozore

Grupa B - profili krila za prozore i balkonska vrata

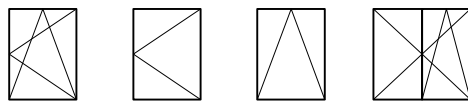
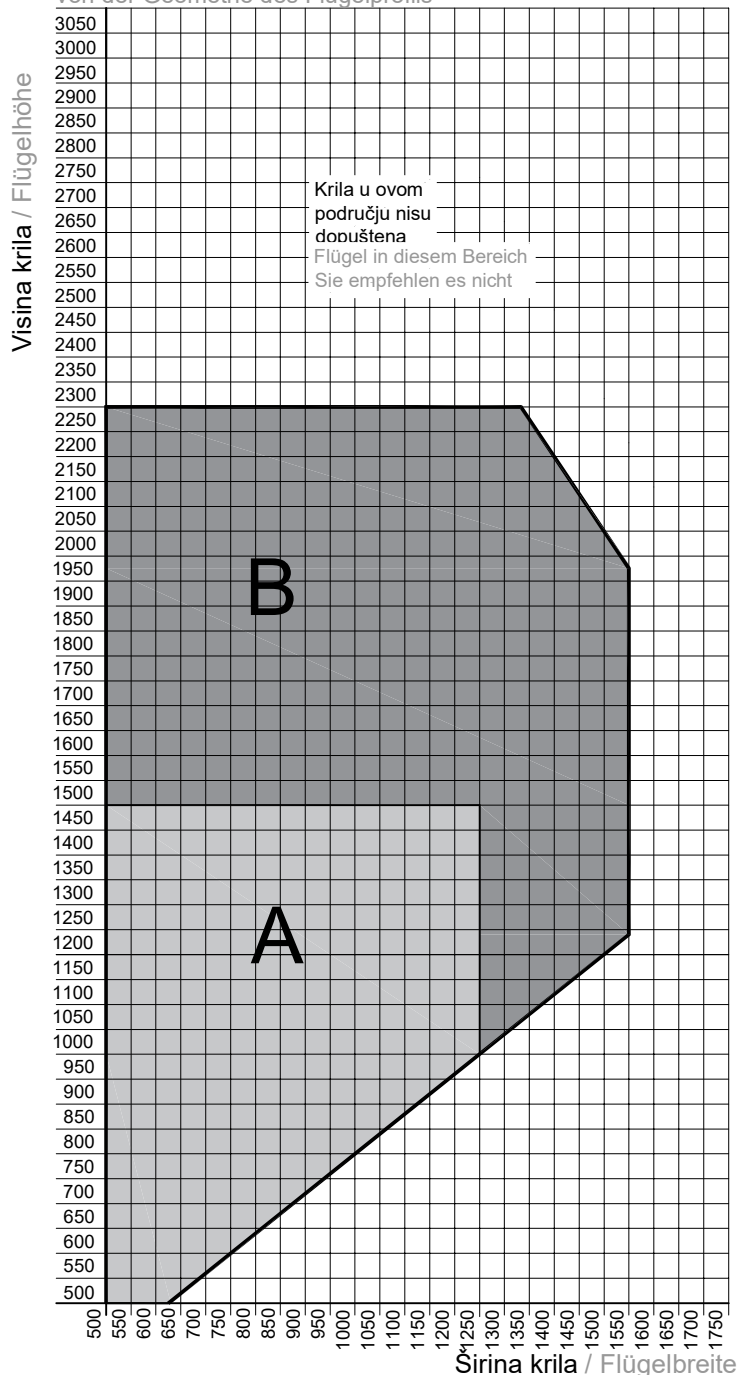
Gruppe A - Flügelprofile für Fenster

Gruppe B - Flügelprofile für Fenster und Balkontüren

Dijagram veličina krila ovisan o geometriji profila krila

Diagramm der Flügelgrößen in Abhängigkeit

von der Geometrie des Flügelprofils



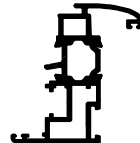
Grupa A

A ≤ 90 kg

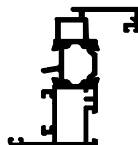
FT-0203



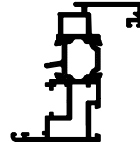
FT-0236



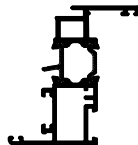
FT-0221



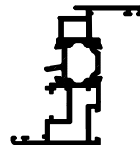
FT-0239



FT-0295



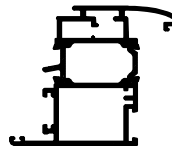
FT-0296



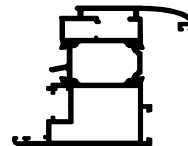
Grupa B

B ≤ 180 kg

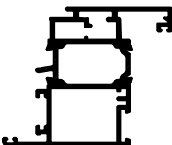
FT-0204



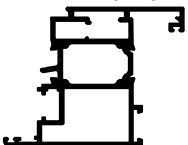
FT-0244



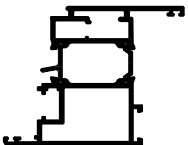
FT-0230



FT-0246



FT-1610

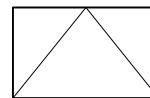


Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. 204.11.010).

Berücksichtigen Sie vor der Auswahl der Profil- und Flügelabmessungen die vom Beschlaghersteller empfohlenen Einsatzgrenzen der Beschläge! Zur Herstellung von Flügeln, deren Abmessungen außerhalb der in der Zeichnung angegebenen Grenzen liegen, muss das Glas mit dem Flügelprofil verklebt werden (Empfehlungen zur Verklebung /Buch B/ Seite 204.11.010).

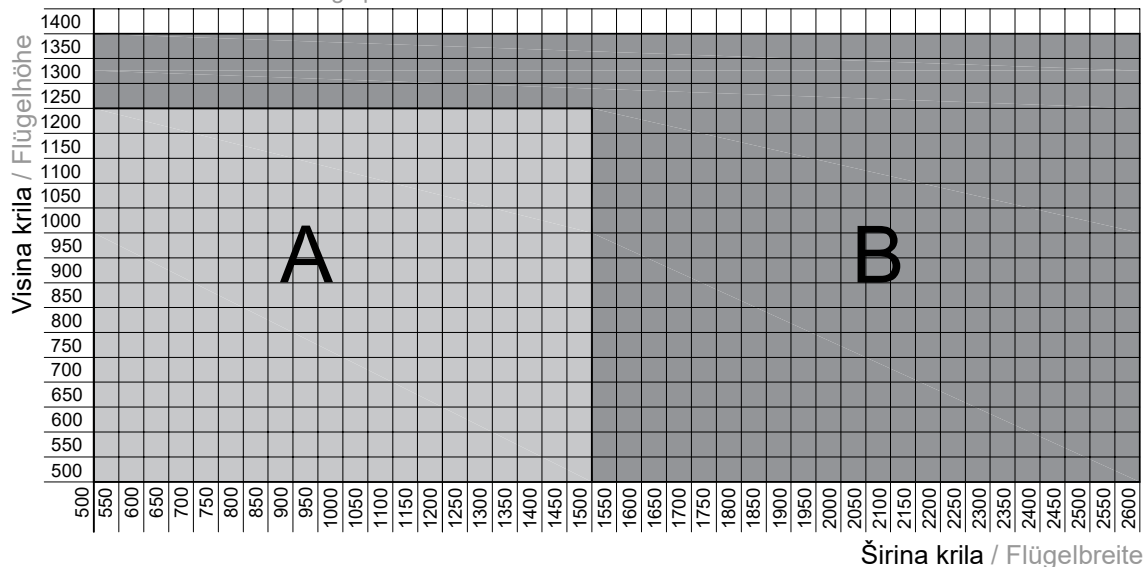
PREPORUKE ZA ODABIR PROFILA KRILA OVISNO O VELIČINI KRILA
EMPFEHLUNGEN ZUR AUSWAHL DES FLÜGELPROFILS IN ABHÄNGIGKEIT DER FLÜGELGRÖSSE

Grupa A i B - profili krila za prozore
Gruppe A und B - Flügelprofile für Fenster



Nadsvjetlo
Deckenleuchte

Dijagram veličina krila ovisan o geometriji profila krila
Diagramm der Flügelgrößen in Abhängigkeit
von der Geometrie des Flügelprofils



Grupa A	
A ≤ 90 kg	
FT-0203	FT-0236
FT-0221	FT-0239
FT-0295	FT-0296

Grupa B	
B ≤ 170 kg	
FT-0204	FT-0244
FT-0230	FT-0246
	FT-1610



Prije konačnog odabira profila i dimenzija krila uzeti u obzir i ograničenja primjene okova prema preporuci proizvođača okova. Za izradu krila čije dimenzije se nalaze van graničnih dimenzija u dijagramu, staklo obavezno zalijepiti za profil krila (preporuke za lijepljenje /Knjiga B/ str. 204.11.010).

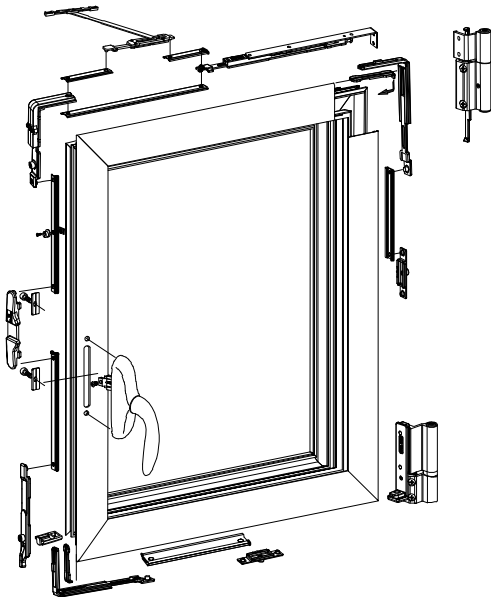
Berücksichtigen Sie vor der Auswahl der Profil- und Flügelabmessungen die vom Beschlaghersteller empfohlenen Einsatzgrenzen der Beschläge! Zur Herstellung von Flügeln, deren Abmessungen außerhalb der in der Zeichnung angegebenen Grenzen liegen, muss das Glas mit dem Flügelprofil verklebt werden (Empfehlungen zur Verklebung /Buch B/ Seite 204.11.010).

134.000.xx - OTKLOPNO-ZAKRETNI MEHANIZAM - STUBLINA (4035)

134.000.xx - DREH-KIPP BESCHLÄGE - STUBLINA (4035)

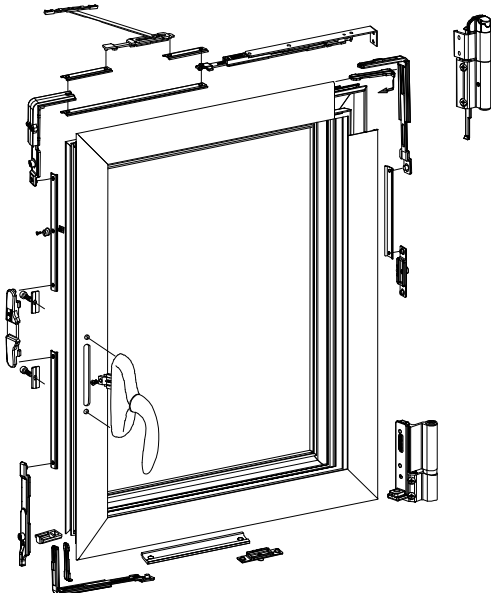
Maksimalna težina krila 100 kg
Maximales Flügelgewicht 100kg
Tabela nosivosti za:
Tabelle der Lasten:

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



Maksimalna težina krila 130 kg
Maximales Flügelgewicht 130 kg
Tabela nosivosti za:
Tabelle der Lasten:

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



Debljina stakla (mm)

Dicke der Verglasung (mm)

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
VK(mm) SK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

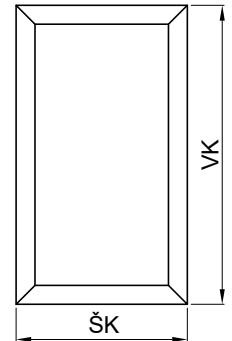
x Neizvedivo / nicht ausführbar

Debljina stakla (mm)

Dicke der Verglasung (mm)

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
VK(mm) SK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

x Neizvedivo / nicht ausführbar

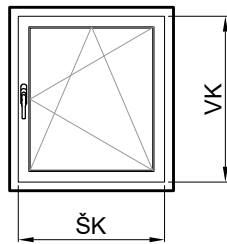


Debljina stakla
Dicke der Verglasung

mm	kg/m ²
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

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

DREH-KIPP BESCHLÄGE - GIESSE FUTURA 3D (130 micro)



Maksimalna težina krila **130 kg**
Maximum Flügelgewicht **130 kg**

Maksimalna težina krila (kg)

Maximales Dicke der Verglasung (kg)

3000	130	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	130
2800	130	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	130
2600	130	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	140	130
2400	140	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	140	130
2200	140	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	140	130
2000	140	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	140	132	118
1800	140	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	118
1600	140	140	140	140	140	140	140	140	140	135	126	118	111	105	105
1500	140	140	140	140	140	140	140	140	137	127	118	111	104	99	99
1400	140	140	140	140	140	140	140	138	127	118	110	104	97	x	x
1300	140	140	140	140	140	140	140	128	118	110	103	96	x	x	x
1200	140	140	140	140	140	140	129	118	109	101	95	x	x	x	x
1100	140	140	140	140	140	130	118	108	100	93	x	x	x	x	x
1000	140	140	140	140	131	118	108	99	91	x	x	x	x	x	x
900	140	140	140	133	118	106	97	89	x	x	x	x	x	x	x
800	140	140	135	118	105	95	86	x	x	x	x	x	x	x	x
700	140	138	118	104	92	83	x	x	x	x	x	x	x	x	x
V _{K(mm)} V _{X(Kmm)}	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	

350

☒ **Neizvedivo / nicht ausführbar**

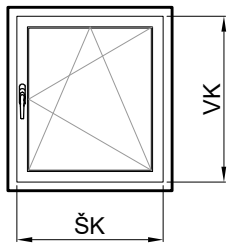
Maksimalna debljina stakla (mm)

Maximales Dicke der Verglasung (mm)

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	x
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
Vk(mm) Vk50(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800

350

☒ **Neizvedivo / nicht ausführbar**

SKRIVENI OTKLOPNO-ZAOKRETNI MEHANIZAM - GIESSE CHIC 3D STANDARD
VERDECKT DREH-KIPP BESCHLÄGE - GIESSE CHIC 3D STANDARD

Maksimalna
težina krila **100 kg**
Maximales
Flügelgewicht **100 kg**

		Maksimalna debljina stakla (mm) Maximales Dicke der Verglasung (mm)										
	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	Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
445		x Neizvedivo / nicht ausführbar										

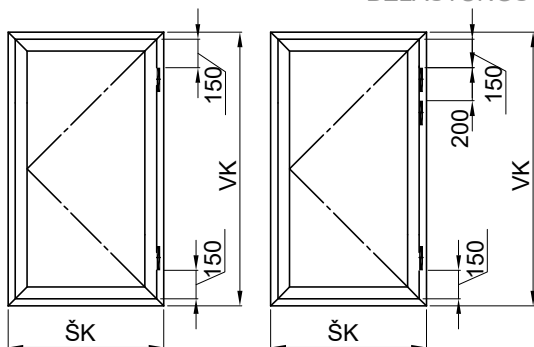
		Maksimalna težina krila (kg) Maximales Flügelgewicht (kg)										
	2500	100	100	100	100	100	100	100	100	100	100	100
	2400	100	100	100	100	100	100	100	100	100	100	100
	2300	100	100	100	100	100	100	100	100	100	100	100
	2200	100	100	100	100	100	100	100	100	100	100	100
	2100	100	100	100	100	100	100	100	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	95	87	80	74	69	
	1100	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	Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
445		x Neizvedivo / nicht ausführbar										

		Maksimalna debljina stakla (mm) Maximales Dicke der Verglasung (mm)										
	2800	35	29	25	22	19	17	16	14	13	12	x
	2700	37	31	26	23	20	18	17	15	14	13	x
	2600	39	32	28	24	21	19	18	16	15	14	13
	2500	43	35	30	27	24	21	19	18	16	15	14
	2400	43	35	30	27	24	21	19	18	16	15	14
	2300	44	37	32	28	25	22	20	18	17	16	15
	2200	46	39	33	29	26	23	21	19	18	17	15
	2100	49	40	35	30	27	24	22	20	19	17	16
	2000	51	43	36	32	28	26	23	21	20	18	17
	1900	54	45	38	34	30	27	24	22	21	19	18
	1800	57	47	40	35	31	28	26	24	22	20	19
	1700	60	50	43	38	33	30	27	25	23	21	20
	1600	60	53	46	40	35	32	29	27	25	23	21
	1500	60	57	49	43	38	34	31	28	26	24	21
	1400	60	60	52	46	40	36	33	30	28	24	21
	1300	60	60	56	49	44	39	36	33	28	24	21
	1200	60	60	60	53	47	43	39	33	28	24	x
	1100	60	60	60	58	52	46	39	33	28	24	x
	1000	60	60	60	60	57	47	39	33	28	x	x
	900	60	60	60	60	58	47	39	33	x	x	x
	800	60	60	60	60	58	47	39	x	x	x	x
	700	60	60	60	60	58	47	x	x	x	x	x
600	Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
470		x Neizvedivo / nicht ausführbar										

		Maksimalna težina krila (kg) Maximales Flügelgewicht (kg)										
	2800	124	124	124	124	124	124	124	124	124	124	x
	2700	126	126	126	126	126	126	126	126	126	126	x
	2600	128	128	128	128	128	128	128	128	128	128	128
	2500	130	130	130	130	130	130	130	130	130	130	130
	2400	130	130	130	130	130	130	130	130	130	130	130
	2300	130	130	130	130	130	130	130	130	130	130	130
	2200	130	130	130	130	130	130	130	130	130	130	130
	2100	130	130	130	130	130	130	130	130	130	130	130
	2000	130	130	130	130	130	130	130	130	130	130	130
	1900	130	130	130	130	130	130	130	130	130	130	130
	1800	130	130	130	130	130	130	130	130	130	130	130
	1700	130	130	130	130	130	130	130	130	130	130	127
	1600	130	130	130	130	130	130	130	130	130	127	119
	1500	130	130	130	130	130	130	130	130	128	119	112
	1400	130	130	130	130	130	130	130	129	119	111	104
	1300	130	130	130	130	130	130	130	119	111	103	97
	1200	130	130	130	130	130	130	129	110	102	95	x
	1100	130	130	130	130	130	119	109	101	94	x	x
	1000	130	130	130	130	119	108	99	92	x	x	x
	900	130	130	130	130	119	107	98	90	x	x	x
	800	130	130	130	119	106	95	87	x	x	x	x
	700	130	130	119	104	93	84	x	x	x	x	x
600	Vk(mm) ŠK(mm)	500	600	700	800	900	1000	1100	1200	1300	1400	1500
470		x Neizvedivo / nicht ausführbar										

- TABLICE NOSIVOSTI SPOJNICA

- BELASTUNGSTABELLE FÜR ROLLENTÜRBAND

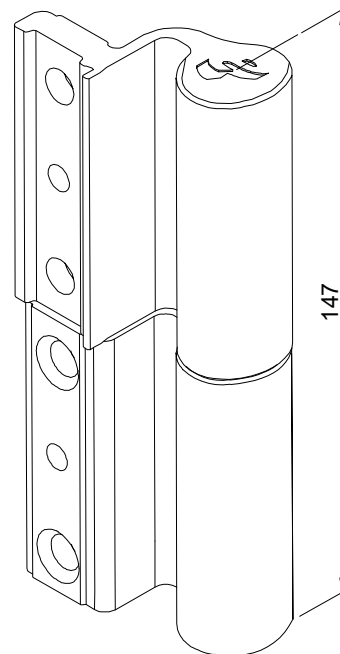


Napomena: Ukoliko se ugrade tri spojnice po preporuci, nosivost se uvećava za 10%.
Hinweis: Es wird empfohlen drei Rolltürbänder zu montieren da sich die Belastung um 10% erhöht.

Tablica nosivosti spojnice 114.001.xx (Stublina)

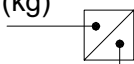
Belastungstabelle für Rollentürband 114.001.xx (Stublina)

	90	90	90	90	90	90	90	90	90	80	71	67	62
2800	90	100	100	100	100	100	100	100	100	90	80	76	70
2700	90	100	100	100	100	100	100	100	100	86	76	70	66
2600	90	100	100	100	100	100	100	100	90	80	76	66	63
2500	90	100	100	100	100	100	100	100	86	76	70	66	61
2400	90	100	100	100	100	100	100	100	80	71	65	58	54
2300	90	100	100	100	100	100	100	100	80	71	65	58	54
2200	90	100	100	100	100	100	100	100	82	76	70	64	59
2100	90	100	100	100	100	100	100	100	82	76	70	64	59
2000	90	100	100	100	100	100	100	100	82	76	70	64	59
1900	90	100	100	100	100	100	100	100	82	76	70	64	59
1800	90	100	100	100	100	100	100	100	82	76	70	64	59
1700	90	100	100	100	100	100	100	100	82	76	70	64	59
1600	90	100	100	100	100	100	100	100	82	76	70	64	59
1500	90	100	100	100	100	100	100	100	82	76	70	64	59
1400	90	100	100	100	100	100	100	100	82	76	70	64	59
1300	90	100	100	100	100	100	100	100	82	76	70	64	59
VK	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	



114.001.xx

A (kg)



B (kg)

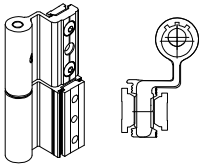
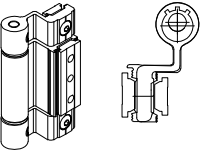
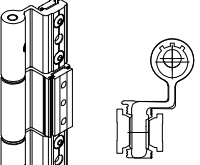
A - javna upotreba sa dvije spojnice

A - die öffentliche Nutzung mit zwei Rollentürband

B - privatna upotreba sa dvije spojnice

B - Privatgebrauch mit zwei Rollentürband

- TABLICE NOSIVOSTI ŠARKI
 - TABELLEN DER SCHARNIERKAPAZITÄT

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

- TABLICE NOSIVOSTI ŠARKI
 - TABELLEN DER SCHARNIERKAPAZITÄT

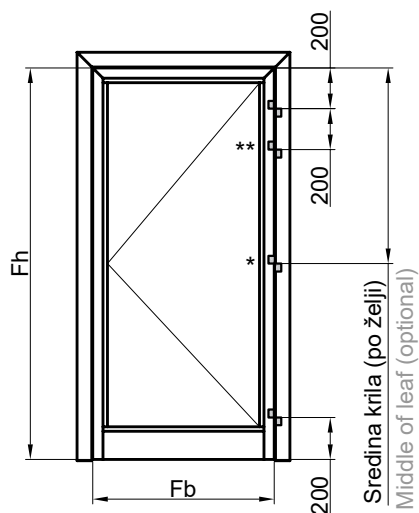
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load (2 šarke 2 hinges)
113.008.01 02 03		- Dvodijelna šarka OSNO 60 - Oznaka proizvođača ALU-B: Max3D 60 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 60 - Manufacturer code ALU-B: Max3D 60 - Color: 01- white; 02 - gray; 03 - black	120 kg
113.009.01 02 03		- Dvodijelna šarka OSNO 68 - Oznaka proizvođača ALU-B: Max3D 68 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 68 - Manufacturer code ALU-B: Max3D 68 - Color: 01- white; 02 - gray; 03 - black	120 kg
113.011.01 02 03		- Dvodijelna šarka OSNO 94 - Oznaka proizvođača ALU-B: Max3D 94 - Boje: 01- bijela; 02 - siva; 03 - crna - Two-part hinge AXIS 94 - Manufacturer code ALU-B: Max3D 94 - Color: 01- white; 02 - gray; 03 - black	120 kg

Preporuke za ugradnju šarki

Empfehlungen zum Einbau von Scharnieren

Fh = Visina krila
 Leaf height

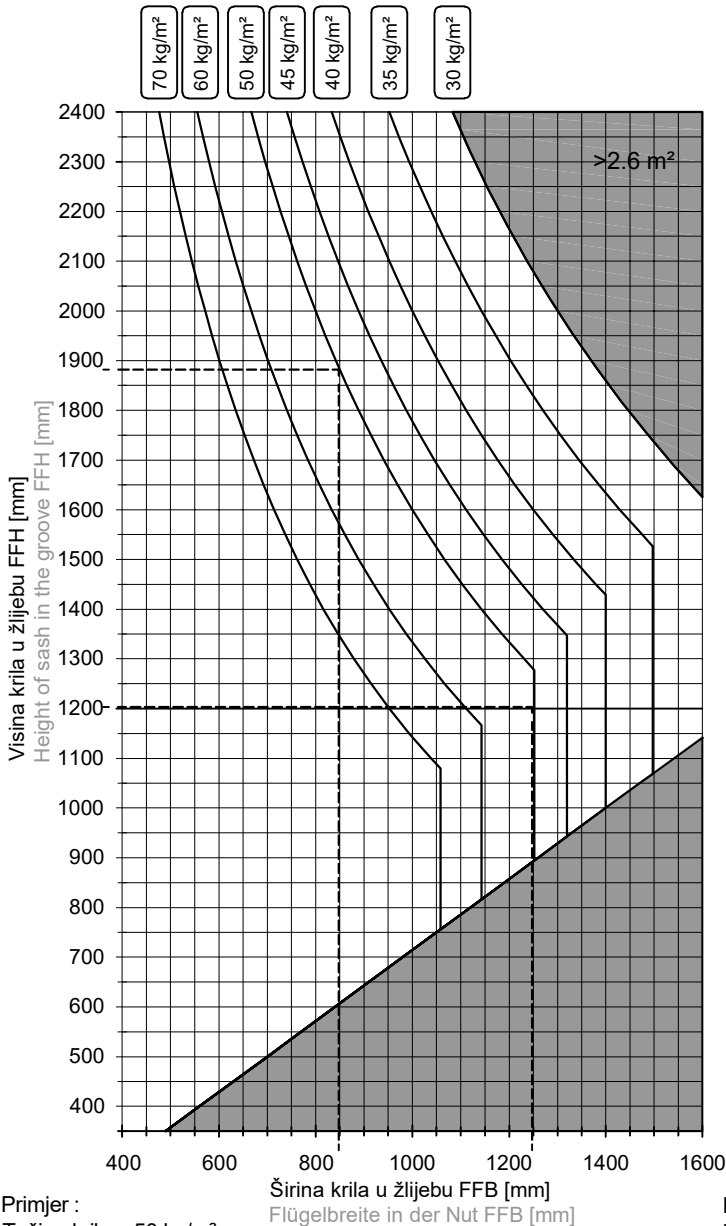
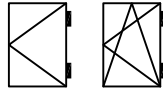
Fb = Širina krila
 Leaf width



Sredina krila (po želji)
 Middle of leaf (optional)

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

Težine ispune



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.

Beispiel :

Flügelgewicht = 50 kg/m²

Bei einer Flügelbreite von 850 mm in der FFB-Nut ergibt sich die maximale Flügelhöhe in der FFH-Nut von 1880 mm..

Auf der Höhe des Flügels 1200 mm in der FFH-Nut erhalten wir die maximale Breite des Flügels in der FFB-Nut 1250mm.

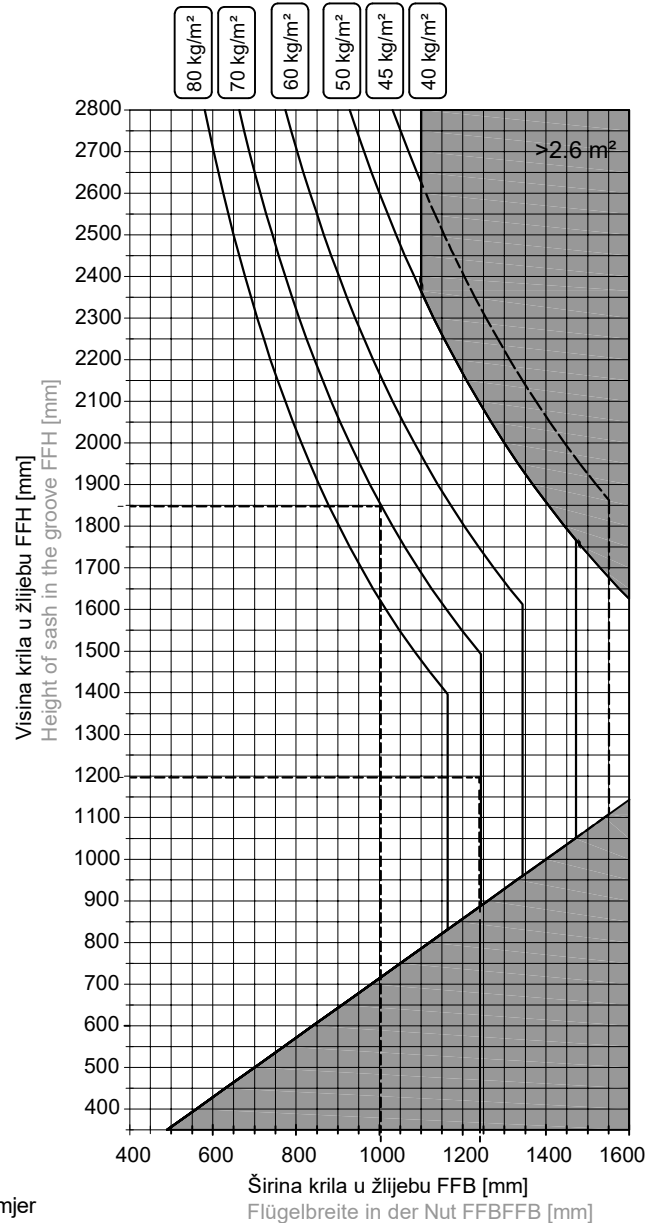
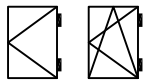
Achtung:

Zulässige Abmessungen der Flügel befinden sich links von der Gewichtskurve.

Die nicht zugelassenen Maße sind grau abgeblendet. Dieses Anwendungsdiagramm gilt nur in Verbindung mit der beigefügten Zeichnung 0-44708.

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

Težine ispune



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.

Beispiel

Flügelgewicht = 70 kg/m²

Bei einer Flügelbreite 1000 mm in der FFB-Nut ergibt sich die maximale Flügelhöhe in der FFH-Nut von 1850 mm.

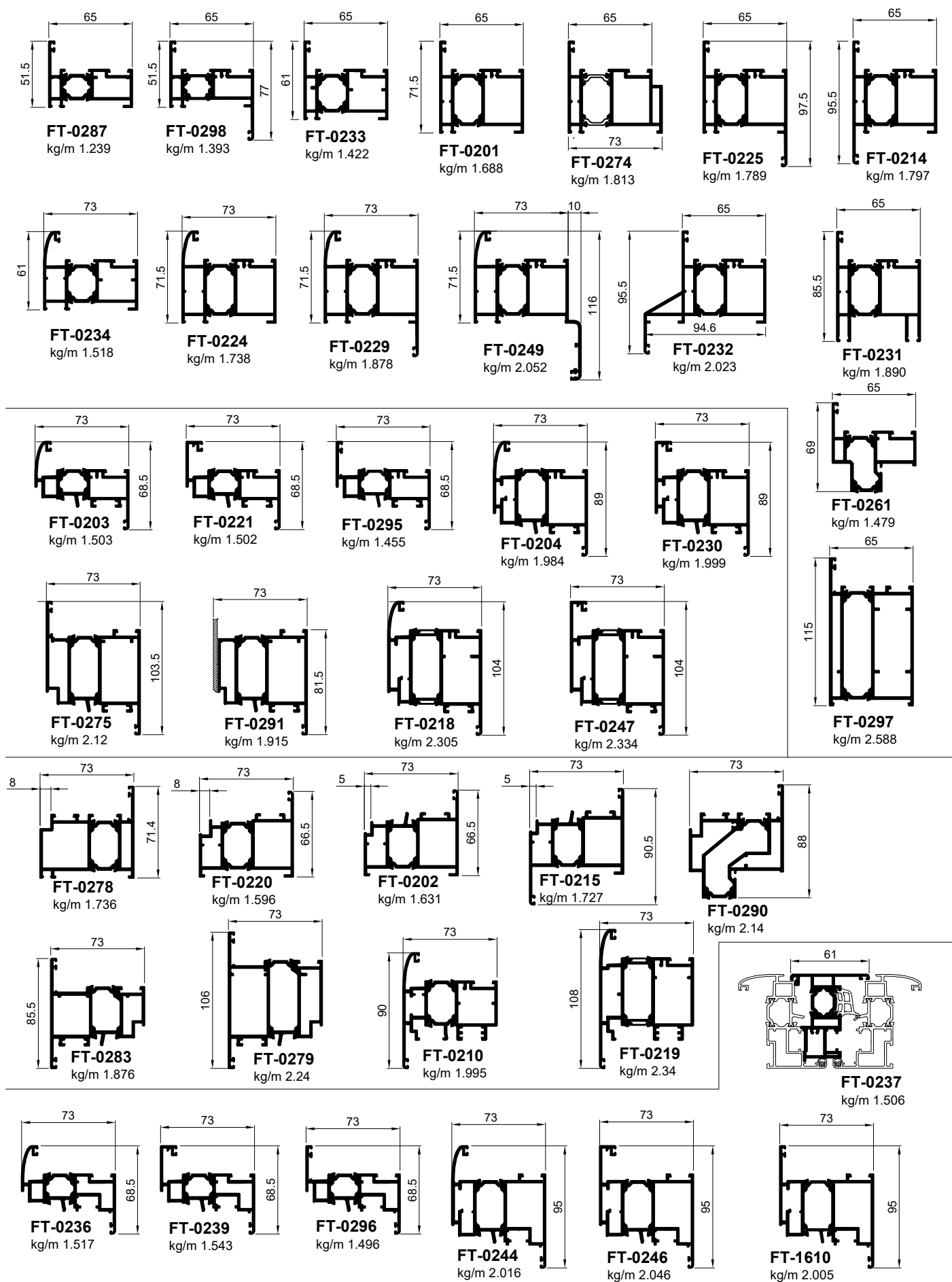
Bei einer Flügelhöhe von 1200 mm in der FFH-Nut ergibt sich die max. Flügelbreite in der FFB-Nut von 1240 mm.

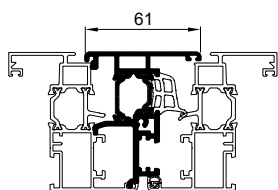
Achtung:

Zulässigen Abmessungen der Flügel befinden sich links von der Gewichtskurve.

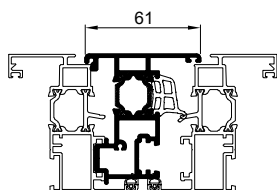
Die nicht zugelassenen Maße sind grau abgeblendet. Dieses Anwendungsdiagramm gilt nur in Verbindung mit der beigefügten Zeichnung 0-44708.

Profili Profile

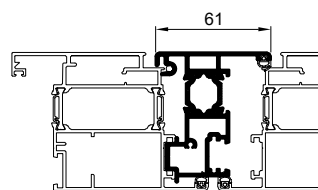




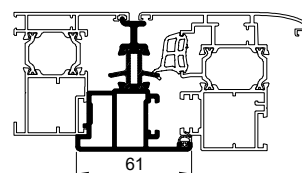
FT-0286
kg/m 1.417



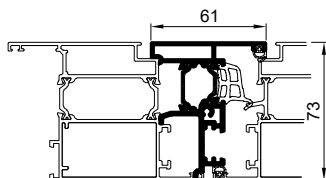
FT-0211
kg/m 1.478



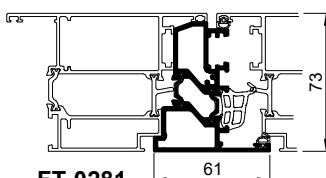
FT-0211-A
kg/m 1.492



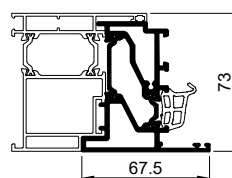
FT-0213
kg/m 1.339



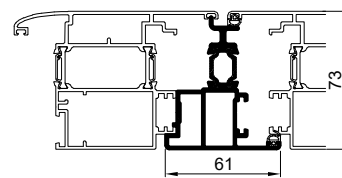
FT-0277
kg/m 1.451



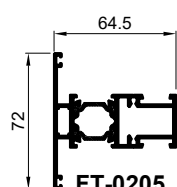
FT-0281
kg/m 1.508



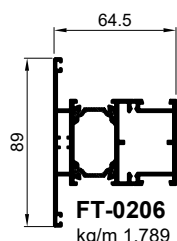
FT-0280
kg/m 1.683



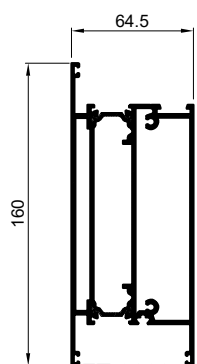
FT-0213-A
kg/m 1.293



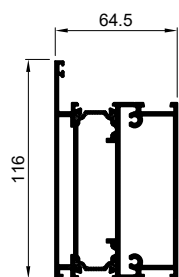
FT-0205
kg/m 1.452



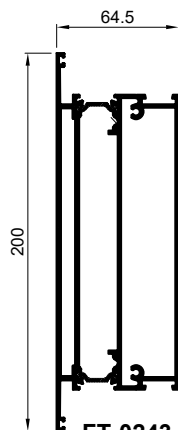
FT-0206
kg/m 1.789



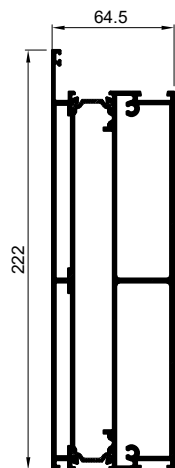
FT-0208
kg/m 3.497



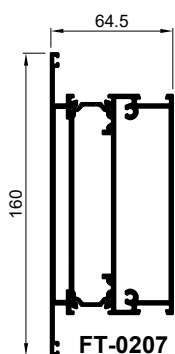
FT-0265
kg/m 2.769



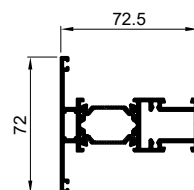
FT-0243
kg/m 4.239



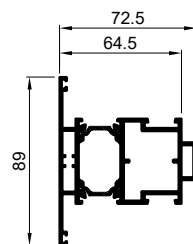
FT-0264
kg/m 5.353



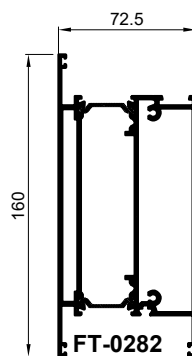
FT-0207
kg/m 3.437



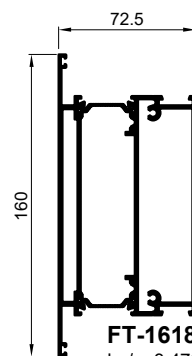
FT-0284
kg/m 1.450



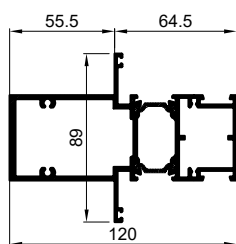
FT-0276
kg/m 1.876



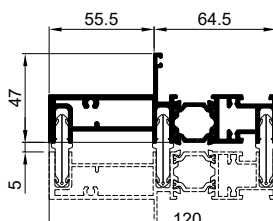
FT-0282
kg/m 3.530



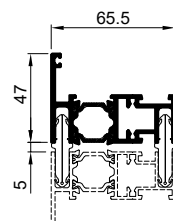
FT-1618
kg/m 3.479



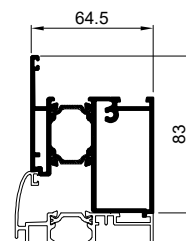
FT-0209
kg/m 2.711



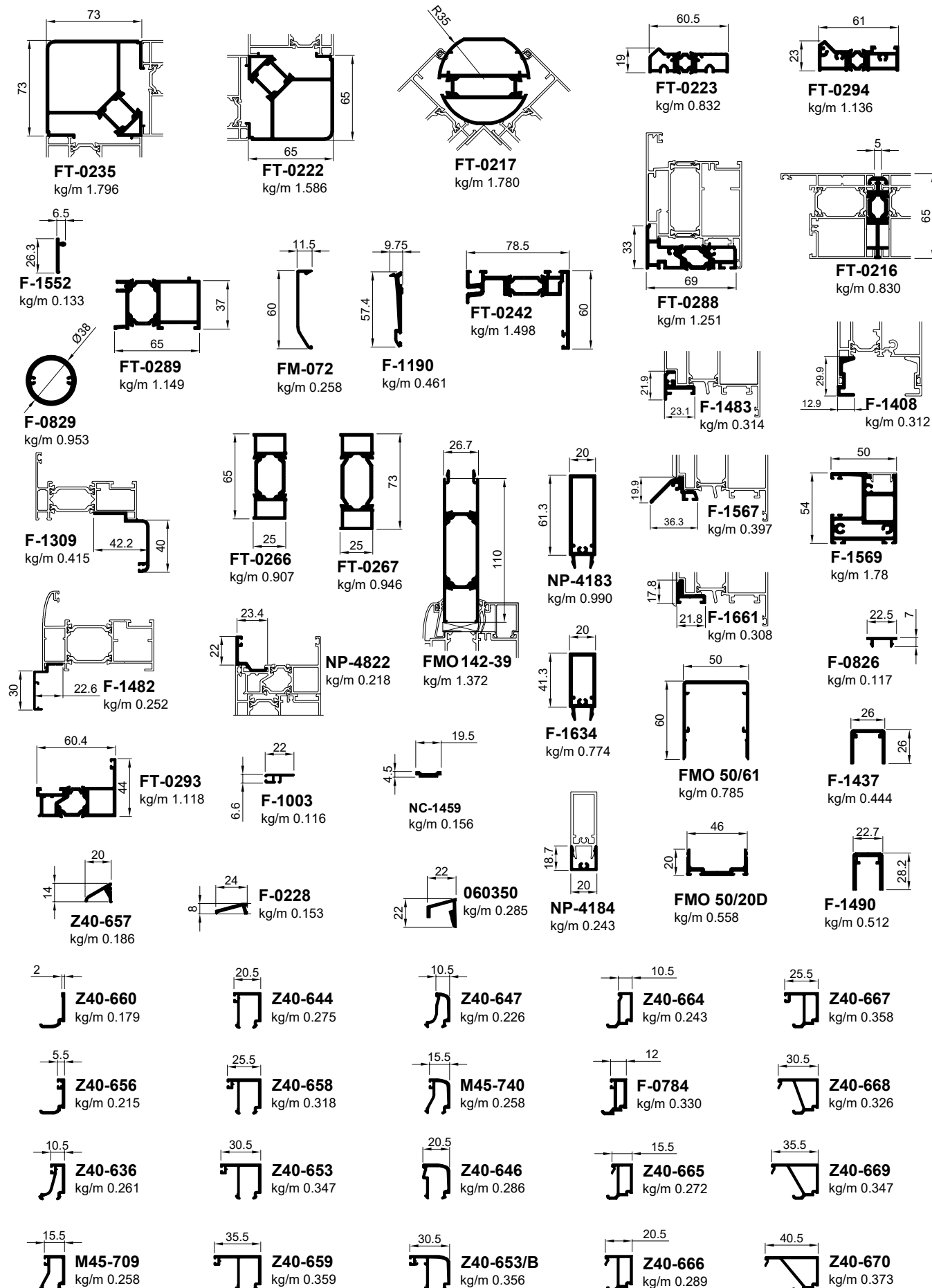
FT-0226
kg/m 2.027

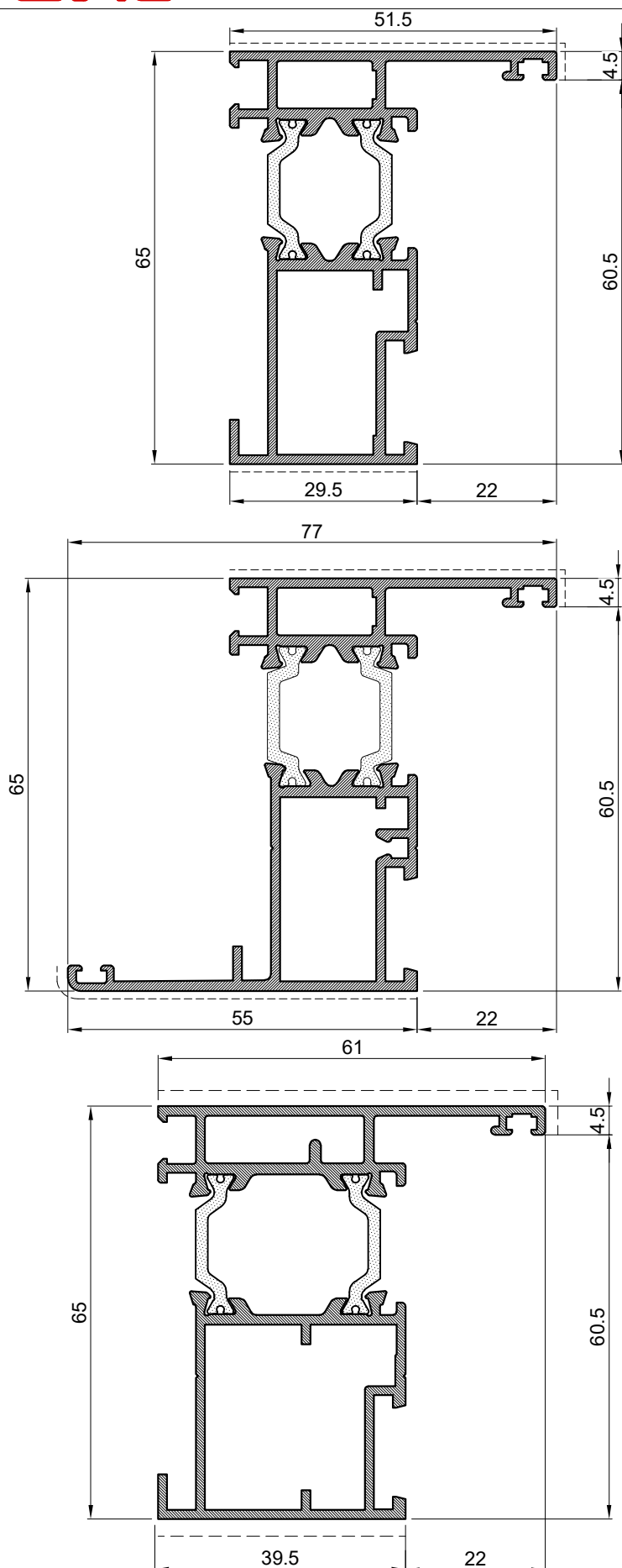


FT-0227
kg/m 1.311



FT-0228
kg/m 1.707



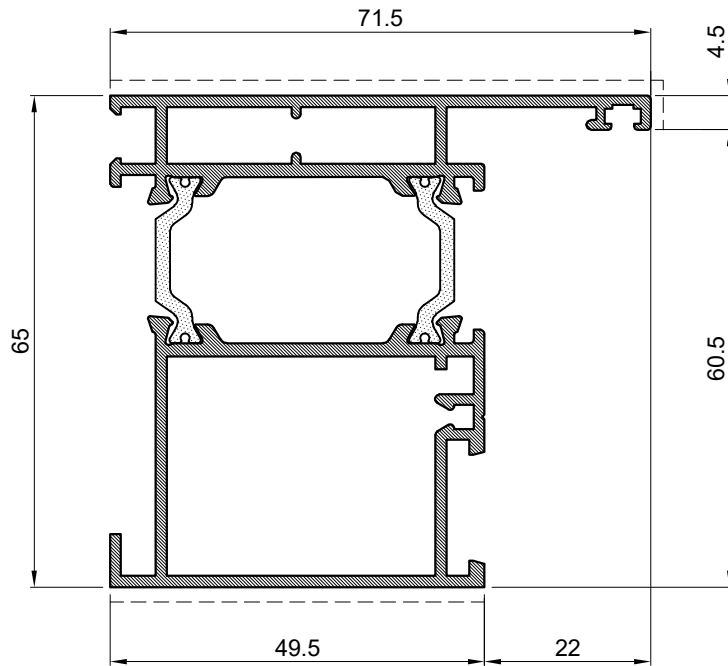


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0287	
Težina Gewicht	kg/m	1.239
Opseg Abwicklung	mm	336
Moment inerције Flächen trägheits moment	Ix (cm4)	16.49
	Iy (cm4)	5.68
	Wx (cm3)	5.89
	Wy (cm3)	1.73
L	mm	6500

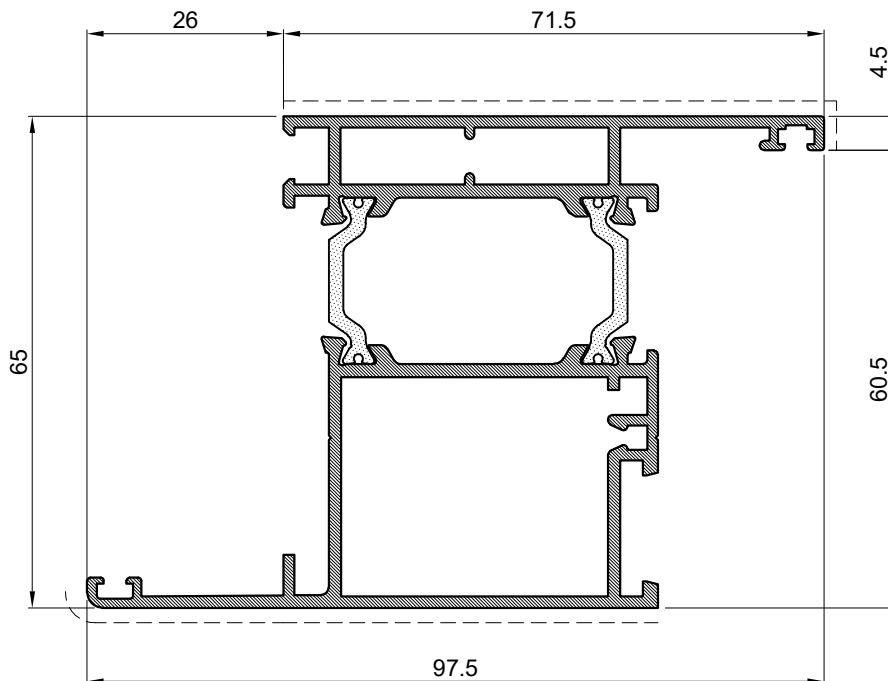
Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0298	
Težina Gewicht	kg/m	1.393
Opseg Abwicklung	mm	397
Moment inercije Flächen trägheits moment	Ix (cm4)	20.5
	Iy (cm4)	10.17
	Wx (cm3)	8.13
	Wy (cm3)	2.47
L	mm	6500

Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0233	
Težina Gewicht	kg/m	1.400
Opseg Abwicklung	mm	345
Moment inercije Flächen trägheits moment	Ix (cm4)	19.24
	Iy (cm4)	10.38
	Wx (cm3)	6.83
	Wy (cm3)	2.77
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN „F”-NAMEN

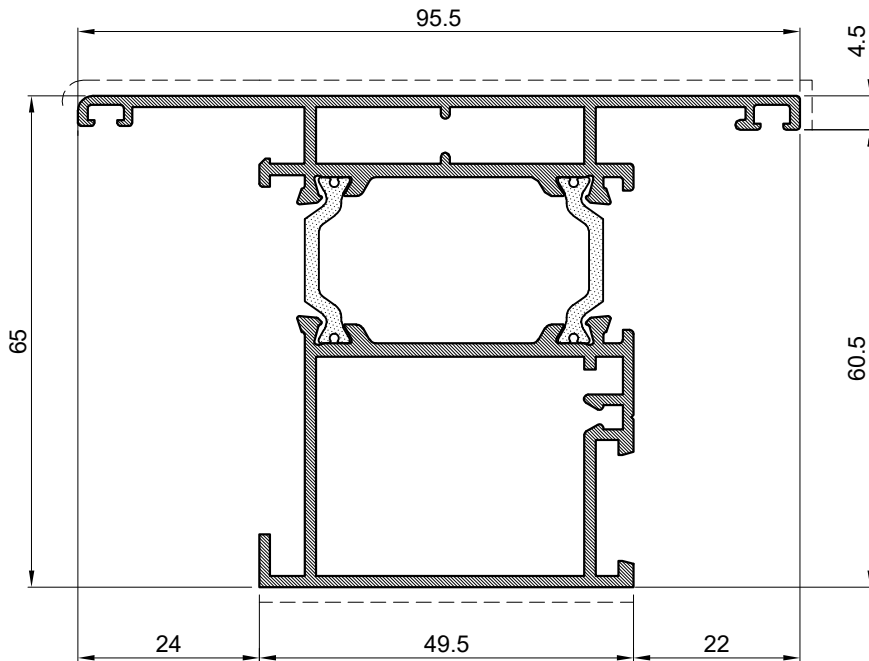


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0201	
Težina Gewicht	kg/m	1.688
Opseg Abwicklung	mm	371
Moment inercije Flächen trägheits moment	Ix (cm4)	22.59
	Iy (cm4)	18.71
	Wx (cm3)	8
	Wy (cm3)	4.41
L	mm	6500

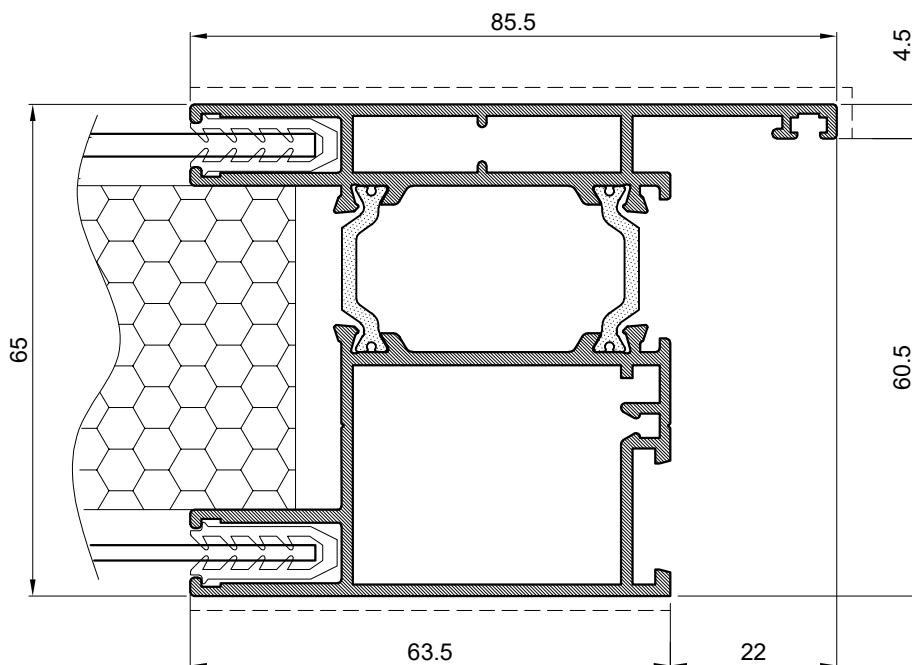


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0225	
Težina Gewicht	kg/m	1.789
Opseg Abwicklung	mm	433
Moment inercije Flächen trägheits moment	Ix (cm4)	27.03
	Iy (cm4)	26.92
	Wx (cm3)	10.4
	Wy (cm3)	5.2
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

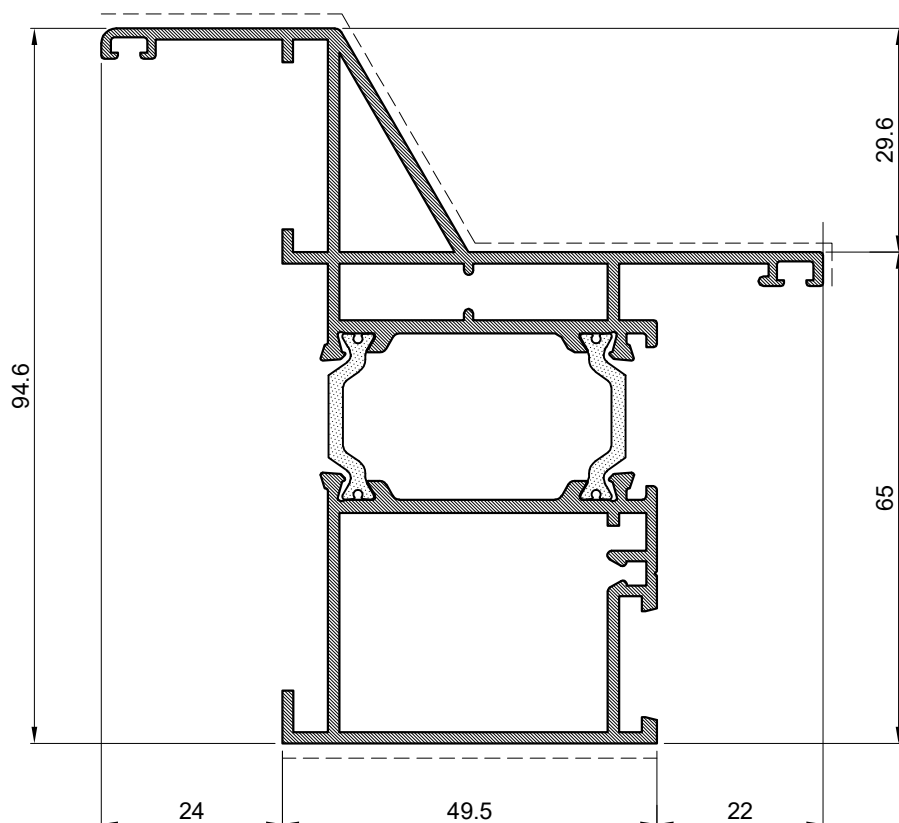


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0214	
Težina Gewicht	kg/m	1.797
Opseg Abwicklung	mm	427
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	24.44
	I _y (cm ⁴)	25.45
	W _x (cm ³)	8.32
	W _y (cm ³)	5.08
L	mm	6500

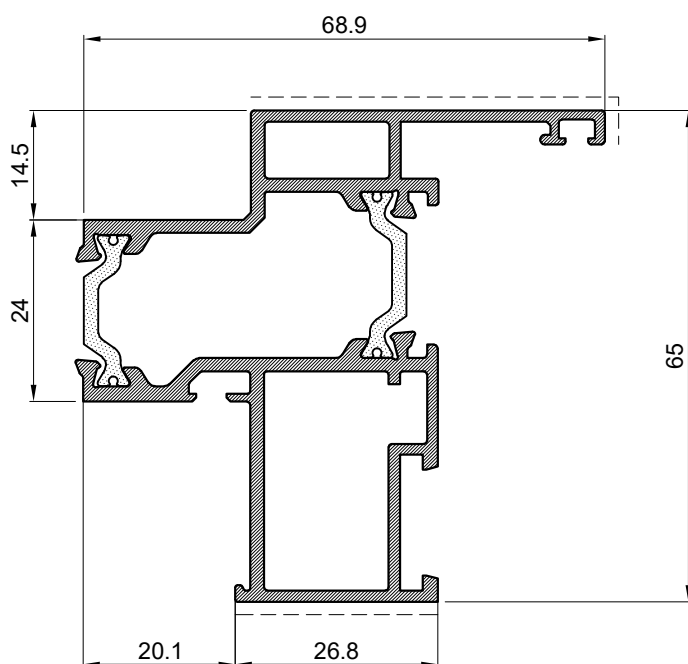


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0231	
Težina Gewicht	kg/m	1.890
Opseg Abwicklung	mm	491
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	27.86
	I _y (cm ⁴)	29.33
	W _x (cm ³)	10.16
	W _y (cm ³)	6.15
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

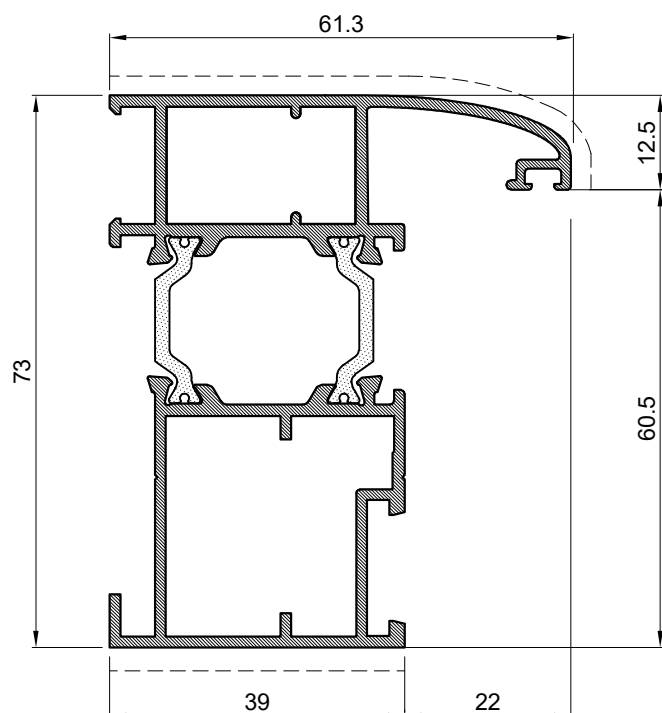


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0232	
Težina Gewicht	kg/m	2.023
Opseg Abwicklung	mm	489
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	44.23
	I _y (cm ⁴)	27.83
	W _x (cm ³)	12.14
	W _y (cm ³)	5.81
L	mm	6500

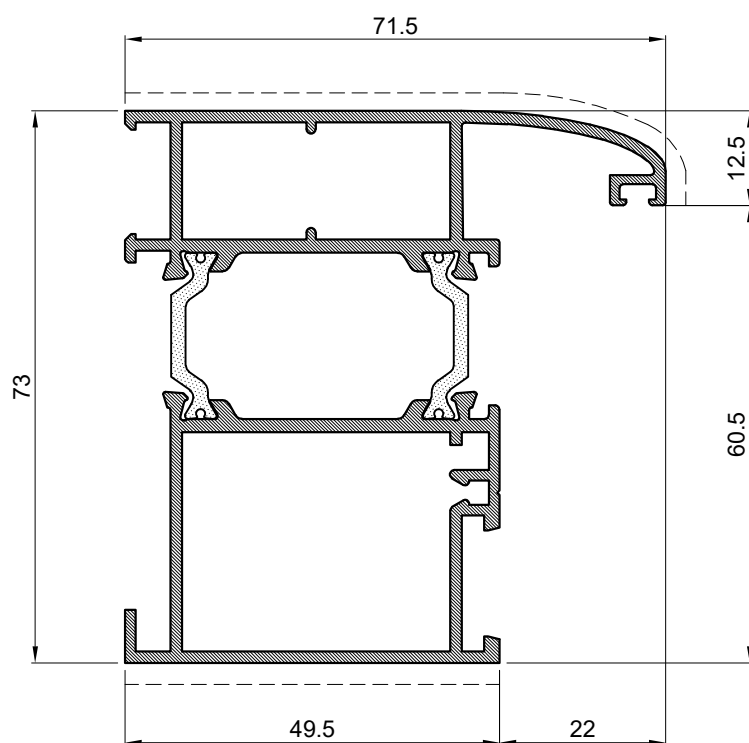


Profil rama u fasadi Blendrahmenprofil in facade		
Art.Br. Art.Nr.	FT-0261	
Težina Gewicht	kg/m	1.479
Opseg Abwicklung	mm	361
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	16.41
	I _y (cm ⁴)	12.38
	W _x (cm ³)	5.83
	W _y (cm ³)	3.22
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

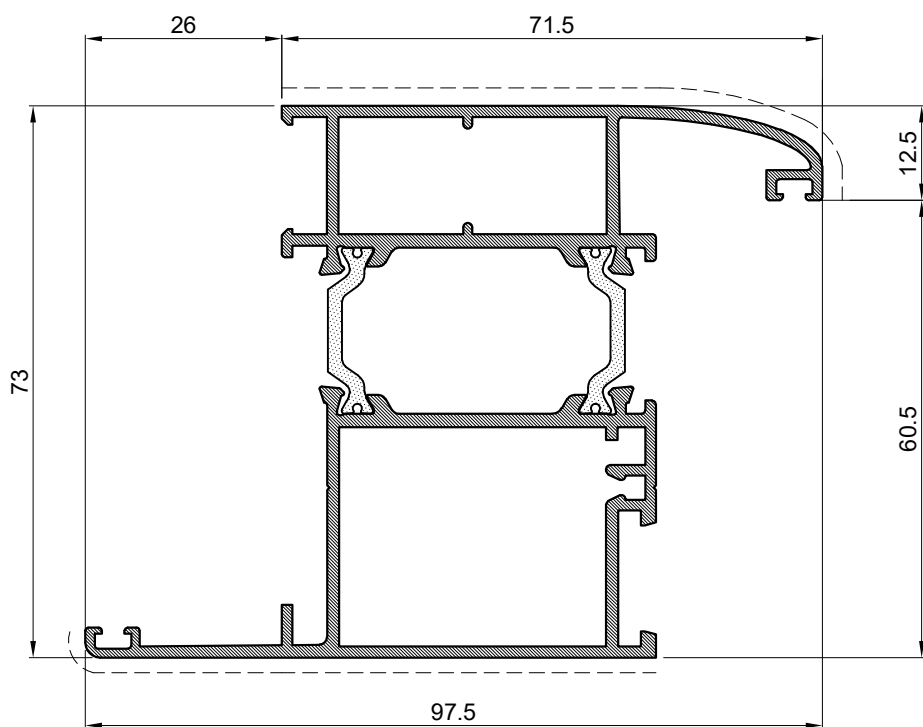


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0234	
Težina Gewicht	kg/m	1.518
Opseg Abwicklung	mm	376
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	24.37
	Iy (cm ⁴)	12.22
	Wx (cm ³)	7.91
	Wy (cm ³)	3.32
L	mm	6500

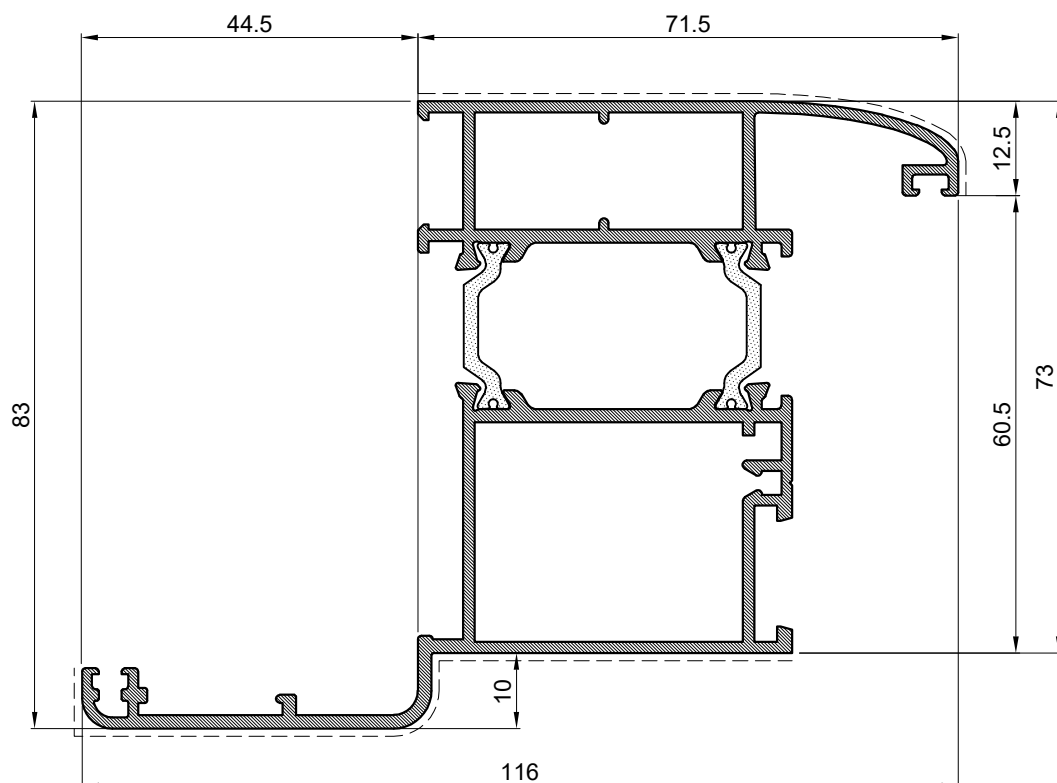


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0224	
Težina Gewicht	kg/m	1.738
Opseg Abwicklung	mm	408
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	28.24
	Iy (cm ⁴)	21.25
	Wx (cm ³)	9.25
	Wy (cm ³)	5.08
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

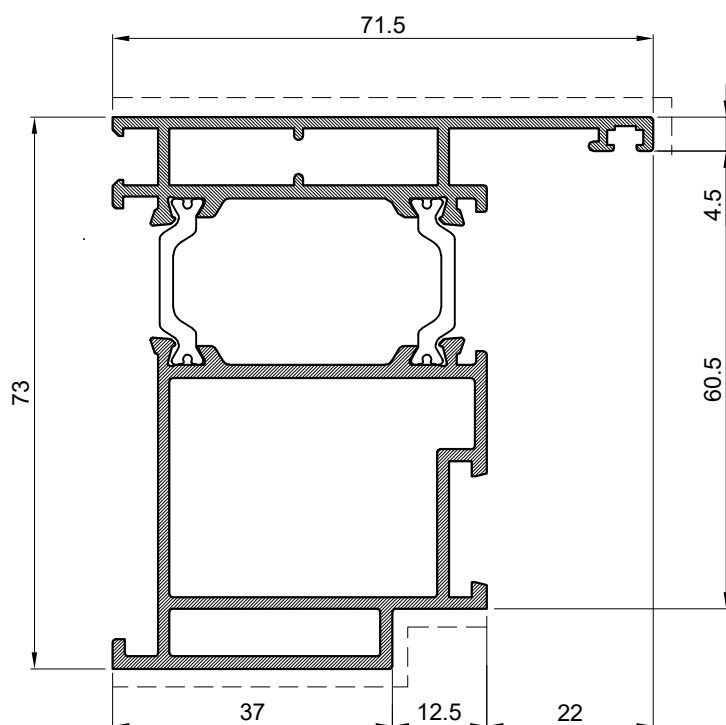


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0229F	
Težina Gewicht	kg/m	1.878
Opseg Abwicklung	mm	461
Moment inerције Flächen trägheits moment	Ix (cm ⁴)	33.45
	Iy (cm ⁴)	29.72
	Wx (cm ³)	11.86
	Wy (cm ³)	5.66
L	mm	6500

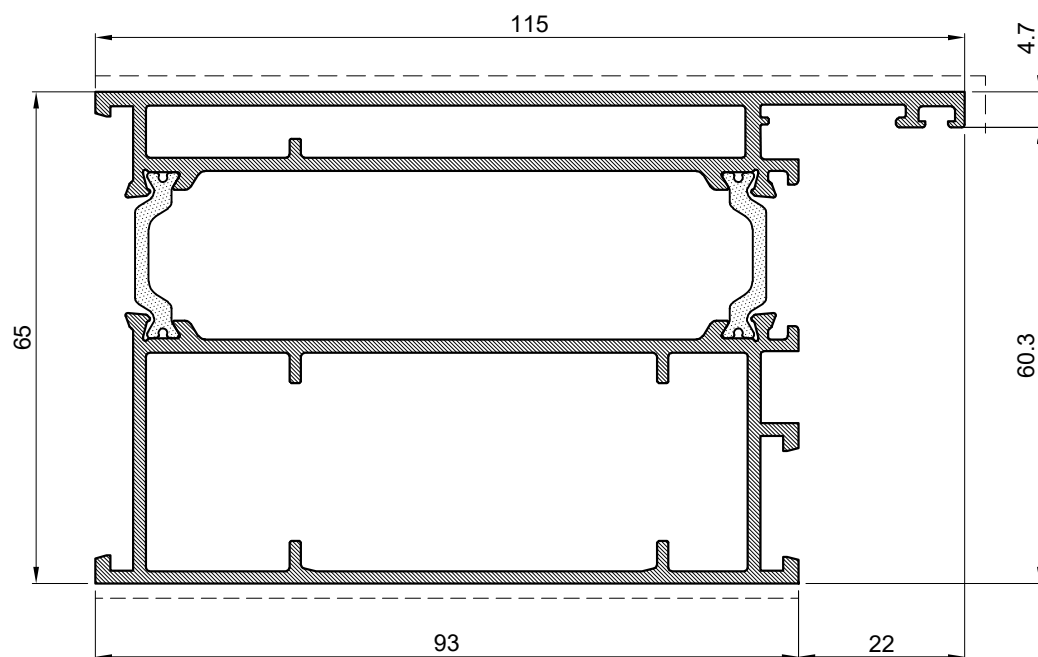


Profil rama Blendrahmenprofil		
Br.Br.	FT-0249	
Težina Težina	kg/m	2.052
Opseg Abwicklung	mm	540
Moment inercije Moment inercije	Ix (cm ⁴)	45.75
	Iy (cm ⁴)	50.35
	Wx (cm ³)	14.11
	Wy (cm ³)	7.68
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

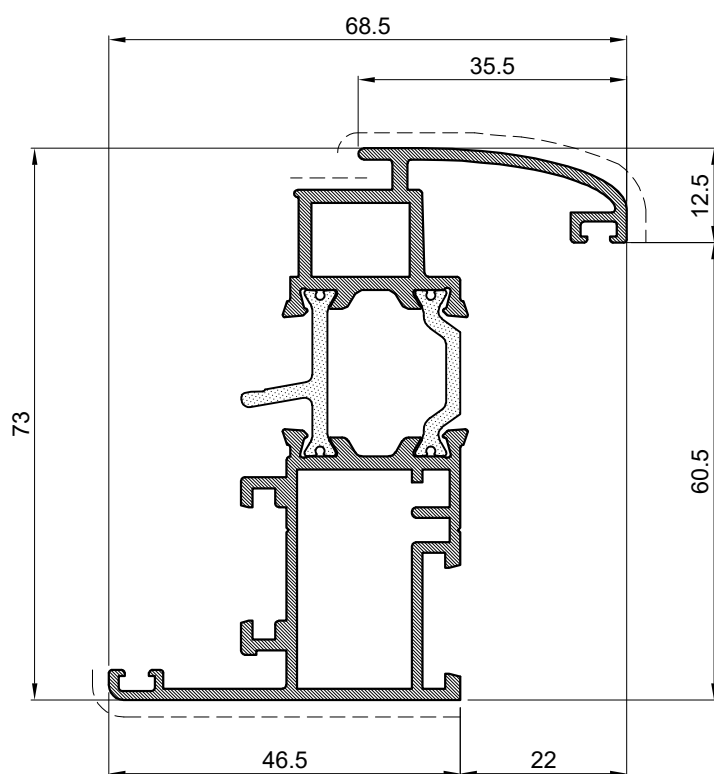


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0274	
Težina Gewicht	kg/m	1.813
Opseg Abwicklung	mm	379
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	32.54
	Iy (cm ⁴)	19.52
	Wx (cm ³)	10.57
	Wy (cm ³)	4.5
L	mm	6500

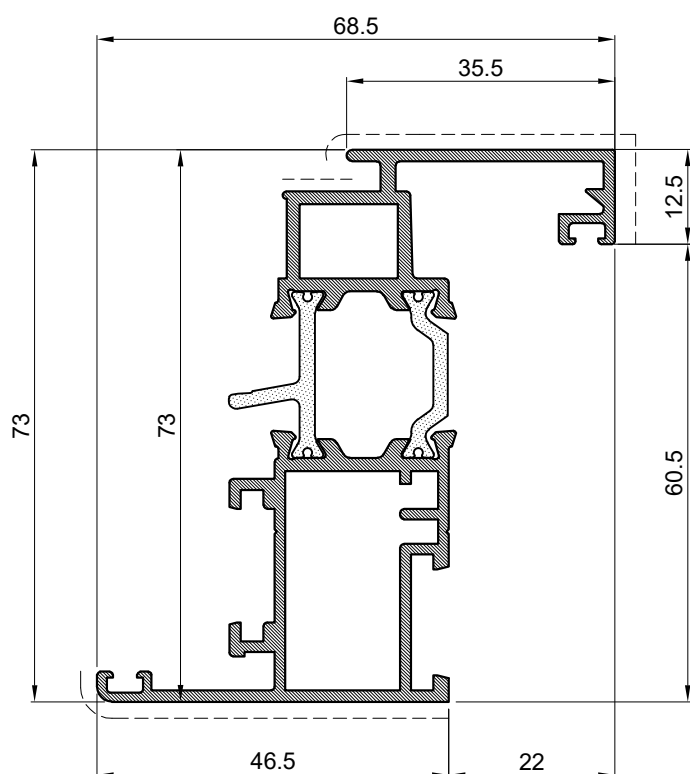


Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0297	
Težina Gewicht	kg/m	2.588
Opseg Abwicklung	mm	445
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	39.01
	Iy (cm ⁴)	94.25
	Wx (cm ³)	13.7
	Wy (cm ³)	14.82
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

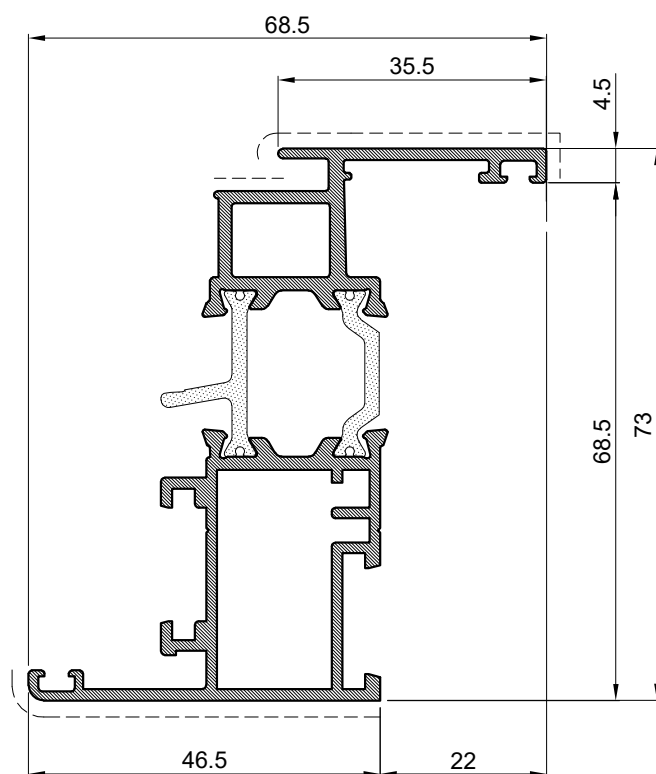


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0203	
Težina Gewicht	kg/m	1.503
Opseg Abwicklung	mm	421
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	23.56
	I _y (cm ⁴)	9.02
	W _x (cm ³)	8.51
	W _y (cm ³)	2.58
L	mm	6500



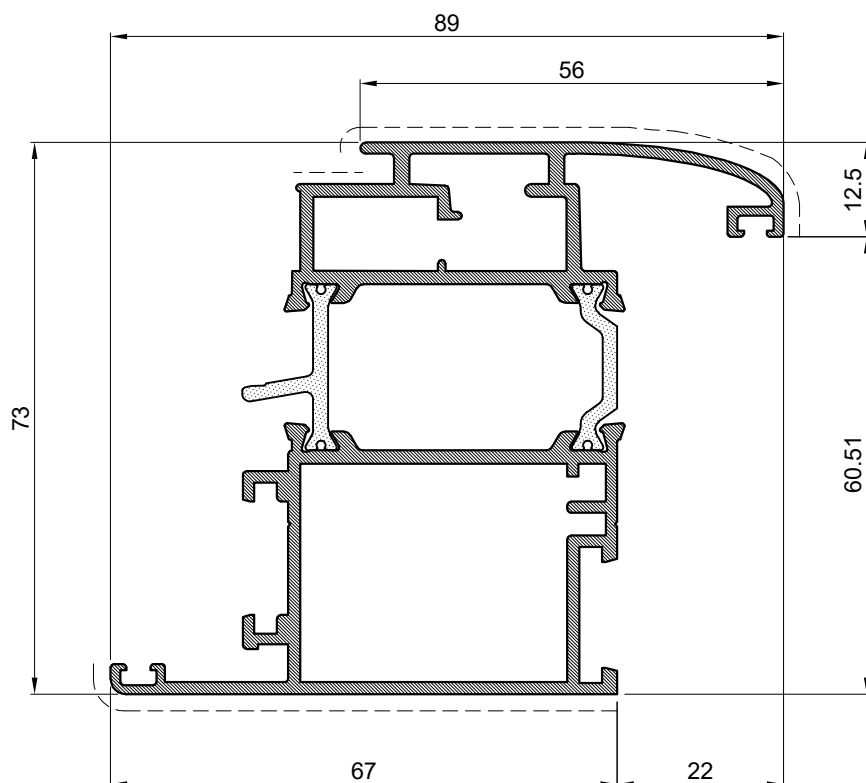
Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0221	
Težina Gewicht	kg/m	1.502
Opseg Abwicklung	mm	431
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	24.65
	I _y (cm ⁴)	10.17
	W _x (cm ³)	8.84
	W _y (cm ³)	2.58
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

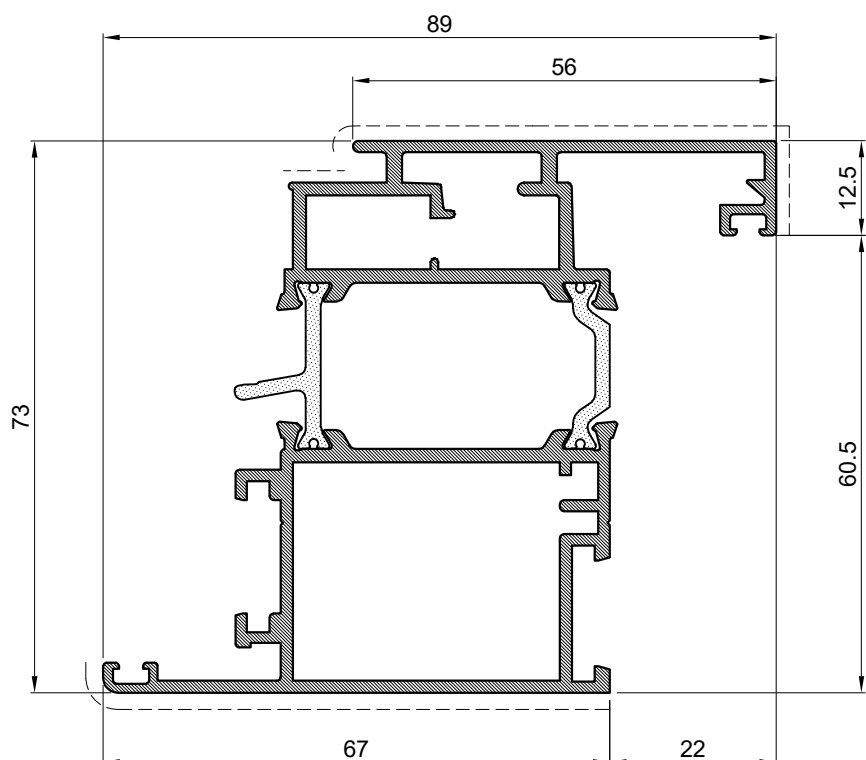


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0295	
Težina Gewicht	kg/m	1.455
Opseg Abwicklung	mm	412
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	23.8
	I _y (cm ⁴)	8.23
	W _x (cm ³)	8.55
	W _y (cm ³)	2.38
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

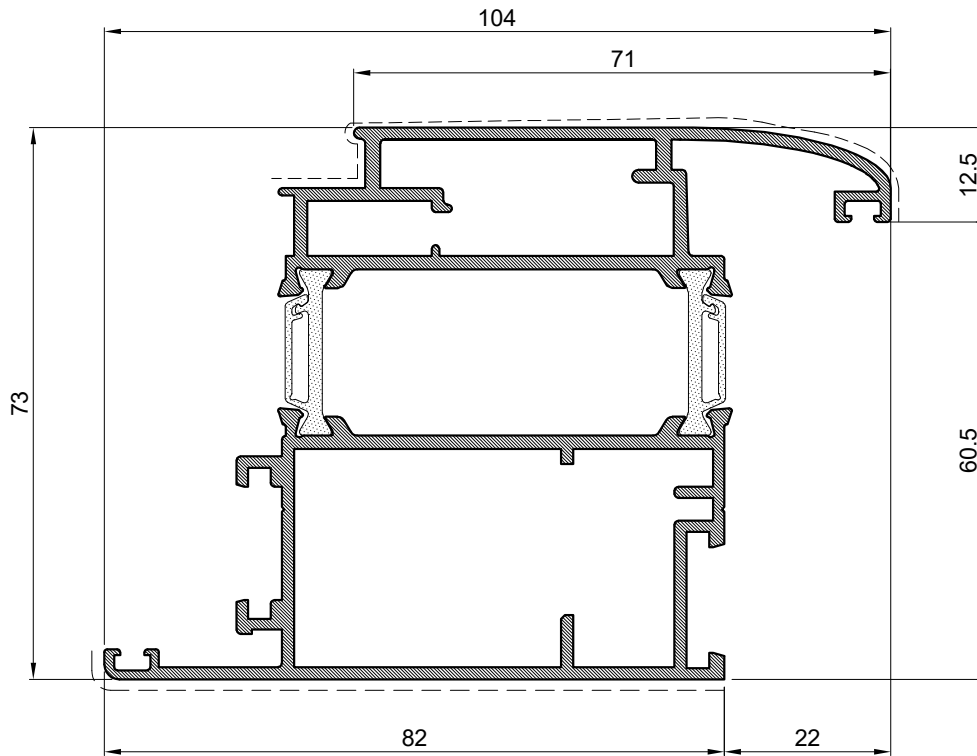


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0204	
Težina Gewicht	kg/m	1.984
Opseg Abwicklung	mm	463
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	33.51
	I _y (cm ⁴)	26.23
	W _x (cm ³)	11.75
	W _y (cm ³)	5.79
L	mm	6500

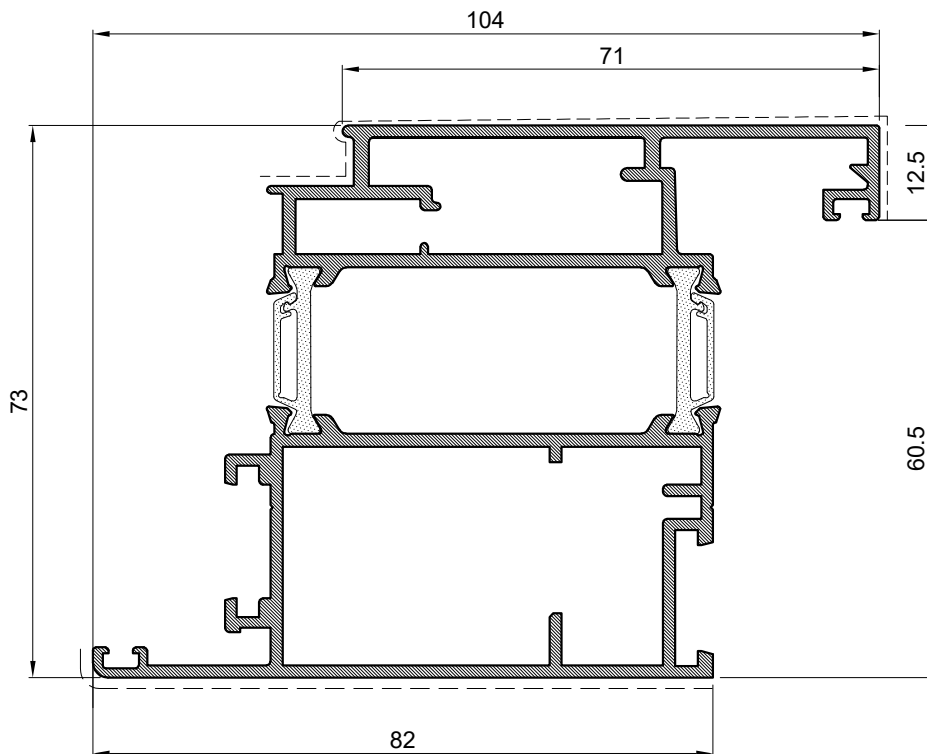


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0230	
Težina Gewicht	kg/m	1.999
Opseg Abwicklung	mm	479
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	34.54
	I _y (cm ⁴)	28.24
	W _x (cm ³)	11.94
	W _y (cm ³)	6.14
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

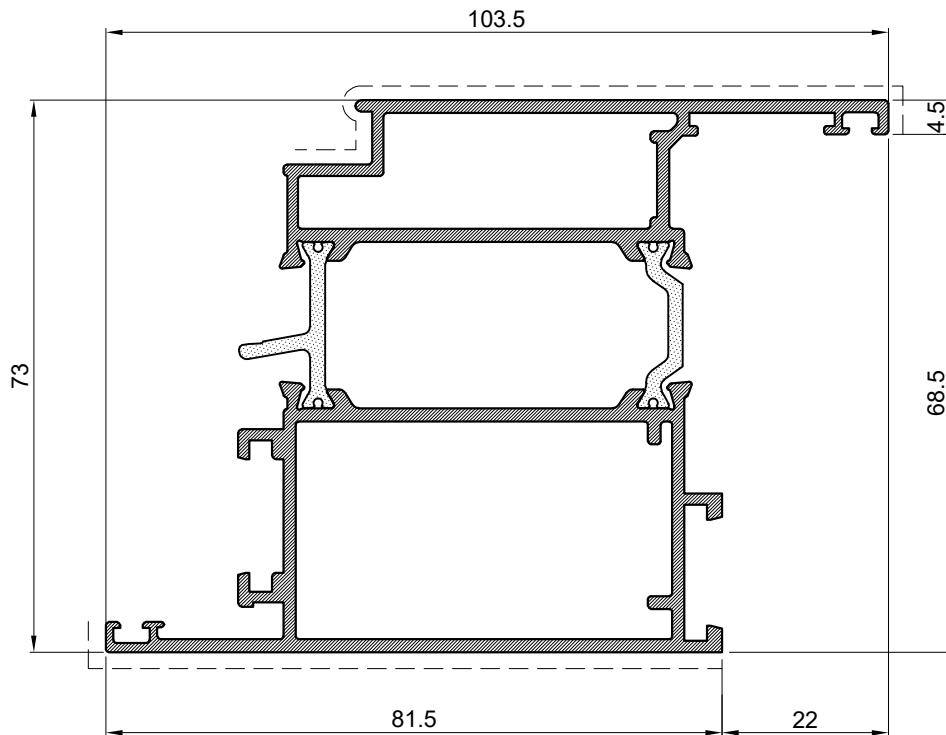


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0218	
Težina Gewicht	519	2.305
Opseg Abwicklung	mm	484
Moment inerције Flächen trägheits moment	Ix (cm4)	39.85
	Iy (cm4)	47.91
	Wx (cm3)	13.97
	Wy (cm3)	9.07
L	mm	6500

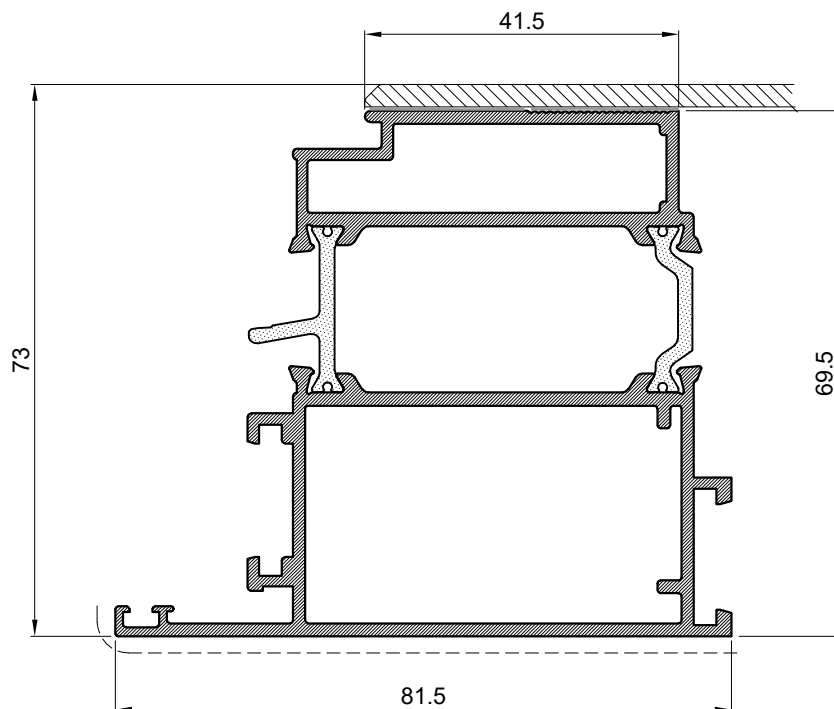


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0247	
Težina Gewicht	kg/m	2.334
Opseg Abwicklung	mm	472
Moment inercije Flächen trägheits moment	Ix (cm4)	40.94
	Iy (cm4)	50.64
	Wx (cm3)	14.18
	Wy (cm3)	9.46
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

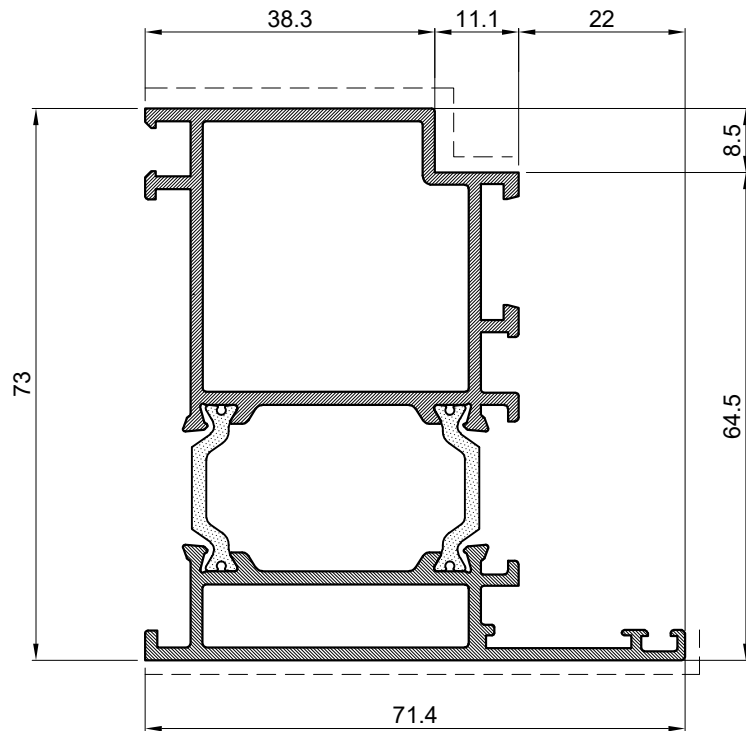


Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0275	
Težina Gewicht	kg/m	2.12
Opseg Abwicklung	mm	499
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	38.51
	Iy (cm ⁴)	42.12
	Wx (cm ³)	13.93
	Wy (cm ³)	8.05
L	mm	6500



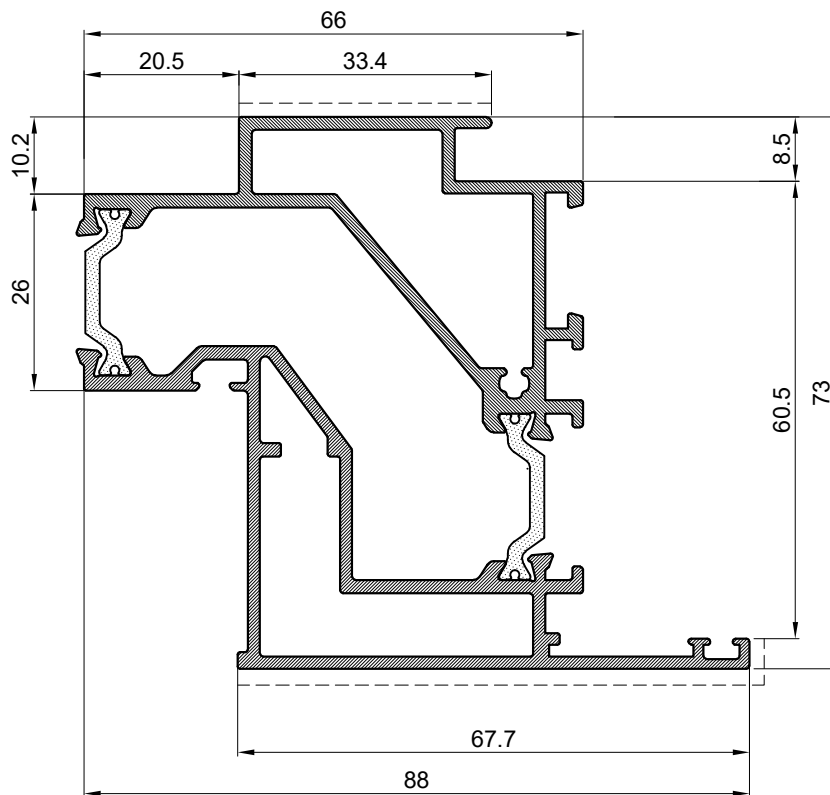
Profil krila Flügelprofile		
Art.Br. Art.Nr.	FT-0291	
Težina Gewicht	kg/m	1.915
Opseg Abwicklung	mm	371
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	29.68
	Iy (cm ⁴)	30.87
	Wx (cm ³)	10.38
	Wy (cm ³)	6.52
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



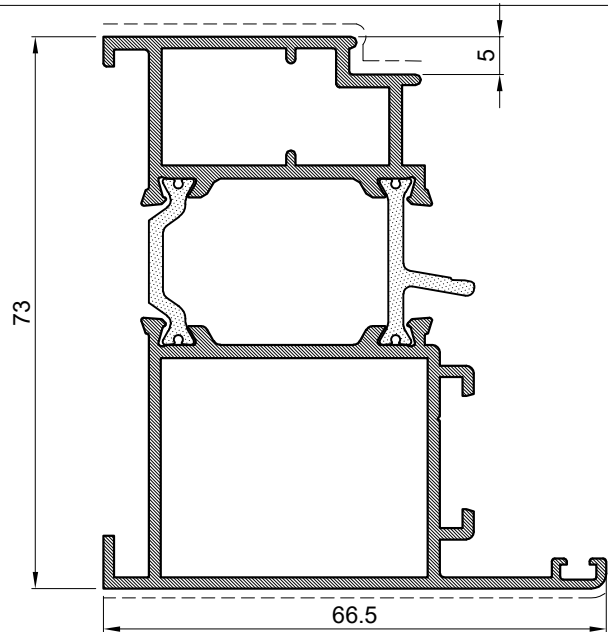
Profil rama, otvaranje vani
Blendrahmenprofil, auswärts
öffnend

Art.Br. Art.Nr.	FT-0278	
Težina Gewicht	kg/m	1.736
Opseg Abwicklung	mm	387
Moment inercije Flächen trägheits moment	Ix (cm4)	30.15
	Iy (cm4)	18.79
	Wx (cm3)	9.47
	Wy (cm3)	4.35
L	mm	6500

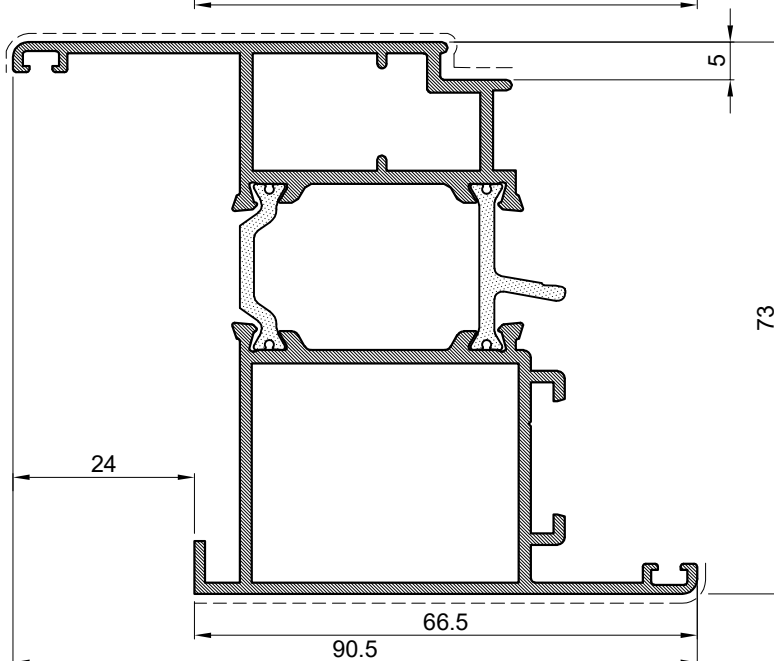


Profil rama u fasadi -otv.vani
Blendrahmenprofil Montage in
Vorhangfassade-auswärts
öffnend

Art.Br. Art.Nr.	FT-0290	
Težina Gewicht	kg/m	2.14
Opseg Abwicklung	mm	440
Moment inercije Flächen trägheits moment	Ix (cm4)	34.33
	Iy (cm4)	31.3
	Wx (cm3)	9.01
	Wy (cm3)	6.52
L	mm	6500

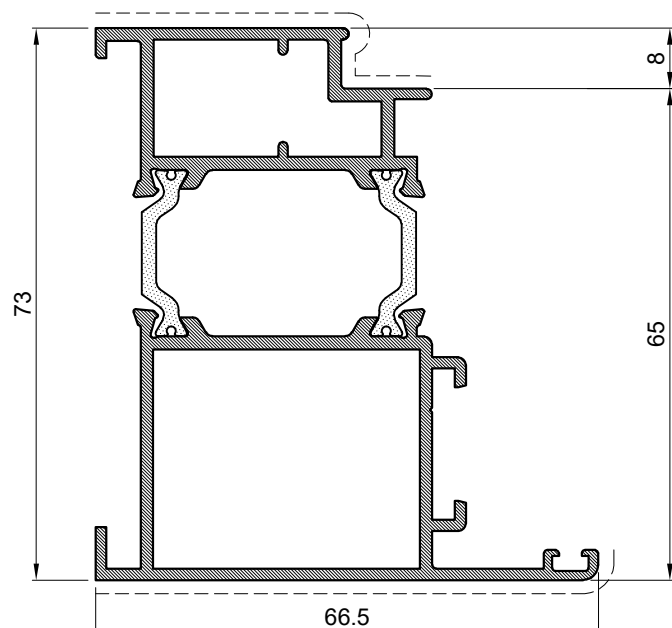


Profil rama, otvaranje vani Blendrahmenprofil, auswärts öffnend		
Art.Br. Art.Nr.	FT-0202	
Težina Gewicht	kg/m	1.631
Opseg Abwicklung	mm	373
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	26.71
	Iy (cm ⁴)	14.88
	Wx (cm ³)	9.11
	Wy (cm ³)	3.7
L	mm	6500

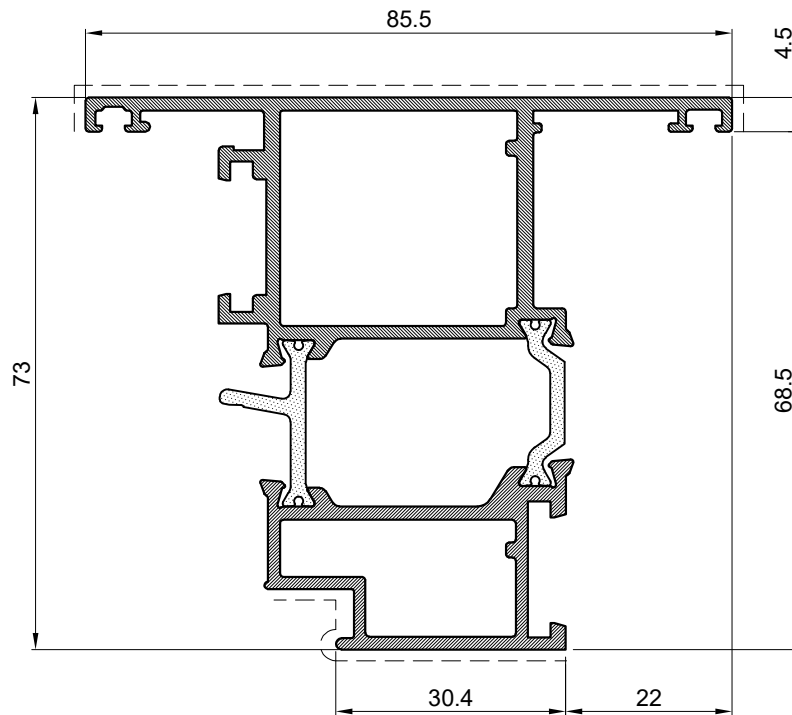


Profil rama-otvaranje vani Blendrahmenprofil-auswärts öffnend		
Art.Br. Art.Nr.	FT-0215	
Težina Gewicht	kg/m	1.727
Opseg Abwicklung	mm	430
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	30.2
	Iy (cm ⁴)	20.77
	Wx (cm ³)	10.85
	Wy (cm ³)	4.36
L	mm	6500

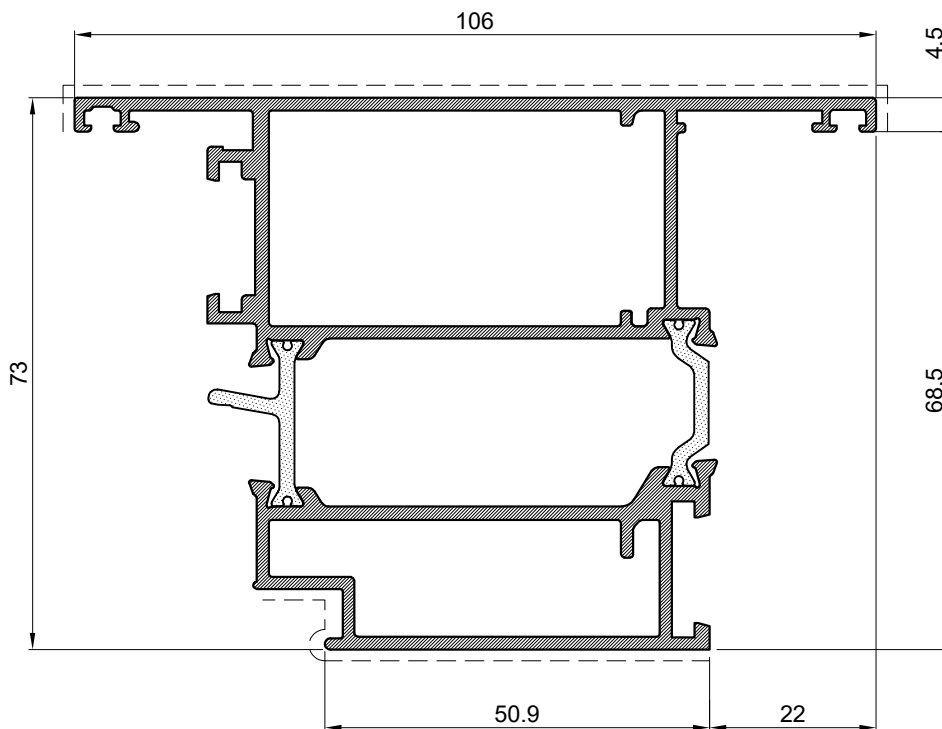
Profil rama-otvaranje vani Blendrahmenprofil-auswärts öffnend		
Art.Br. Art.Nr.	FT-0220	
Težina Gewicht	kg/m	1.596
Opseg Abwicklung	mm	354
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	26.73
	Iy (cm ⁴)	14.92
	Wx (cm ³)	9.14
	Wy (cm ³)	3.72
L	mm	6500



PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

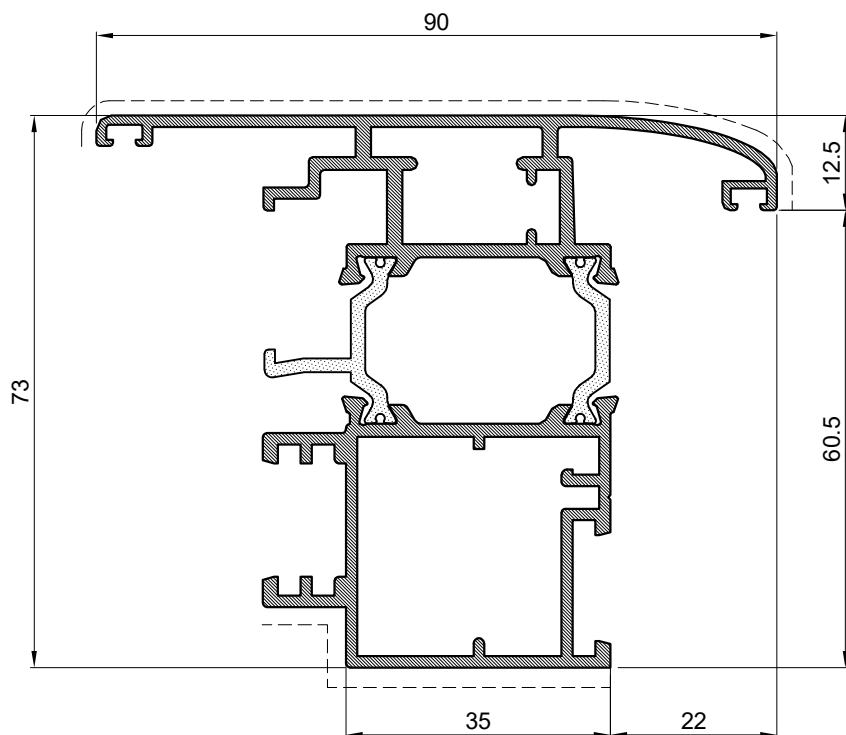


Profil krila, otvaranje vani Flügelprofile, auswärts öffnend		
Art.Br. Art.Nr.	FT-0283	
Težina Gewicht	kg/m	1.876
Opseg Abwicklung	mm	422
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	31.49
	Iy (cm ⁴)	21.88
	Wx (cm ³)	9.88
	Wy (cm ³)	5.09
L	mm	6500

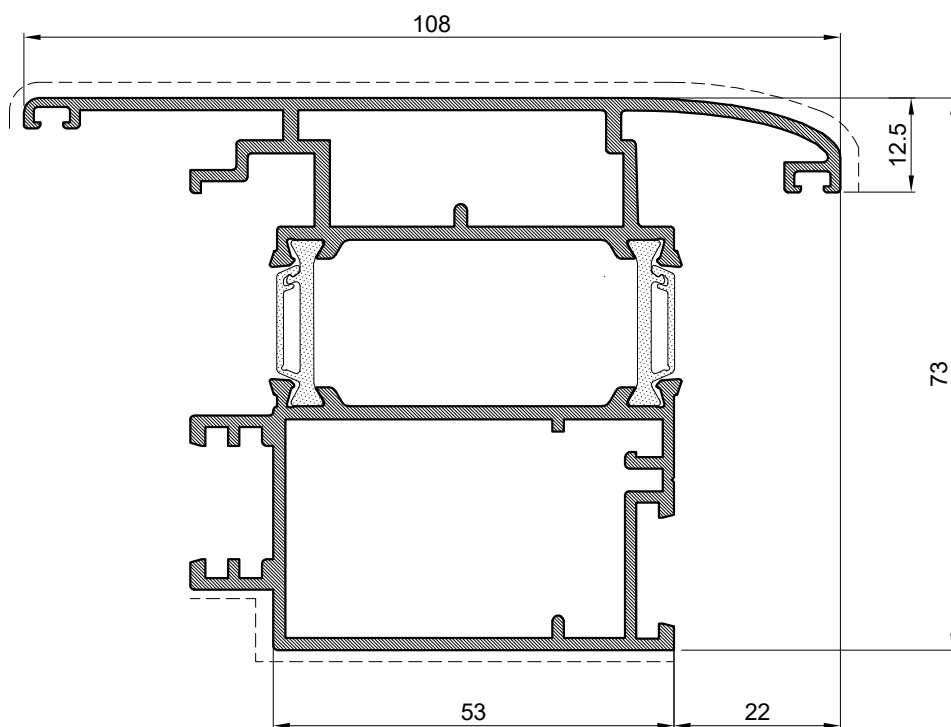


Profil krila, otvaranje vani Flügelprofile, auswärts öffnend		
Art.Br. Art.Nr.	FT-0279	
Težina Gewicht	kg/m	2.24
Opseg Abwicklung	mm	496
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	39.8
	Iy (cm ⁴)	49.66
	Wx (cm ³)	13.12
	Wy (cm ³)	9.3
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

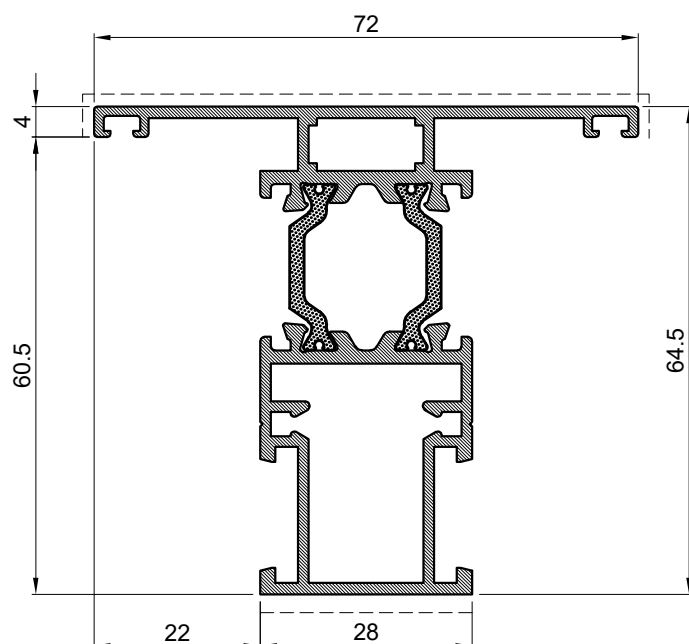


Profil krila-otvaranje vani Flügelprofile-auswärts öffnend		
Art.Br. Art.Nr.	FT-0210	
Težina Gewicht	kg/m	1.995
Opseg Abwicklung	mm	530
Moment inerције Flächen trägheits moment	Ix (cm ⁴)	31.21
	Iy (cm ⁴)	23.21
	Wx (cm ³)	9.66
	Wy (cm ³)	4.93
L	mm	6500

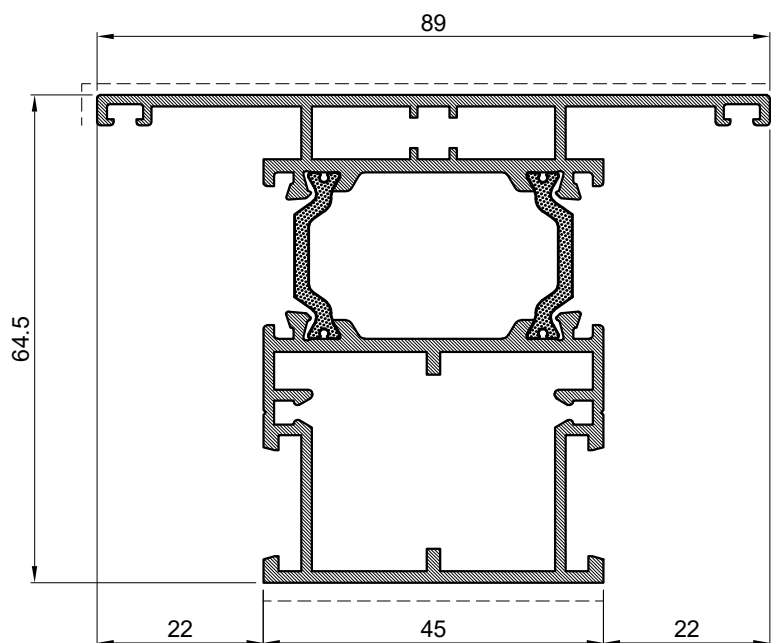


Profil krila-otvaranje vani Flügelprofile-auswärts öffnend		
Art.Br. Art.Nr.	FT-0219	
Težina Gewicht	kg/m	2.34
Opseg Abwicklung	mm	547
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	38.49
	Iy (cm ⁴)	49.45
	Wx (cm ³)	12.06
	Wy (cm ³)	8.82
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

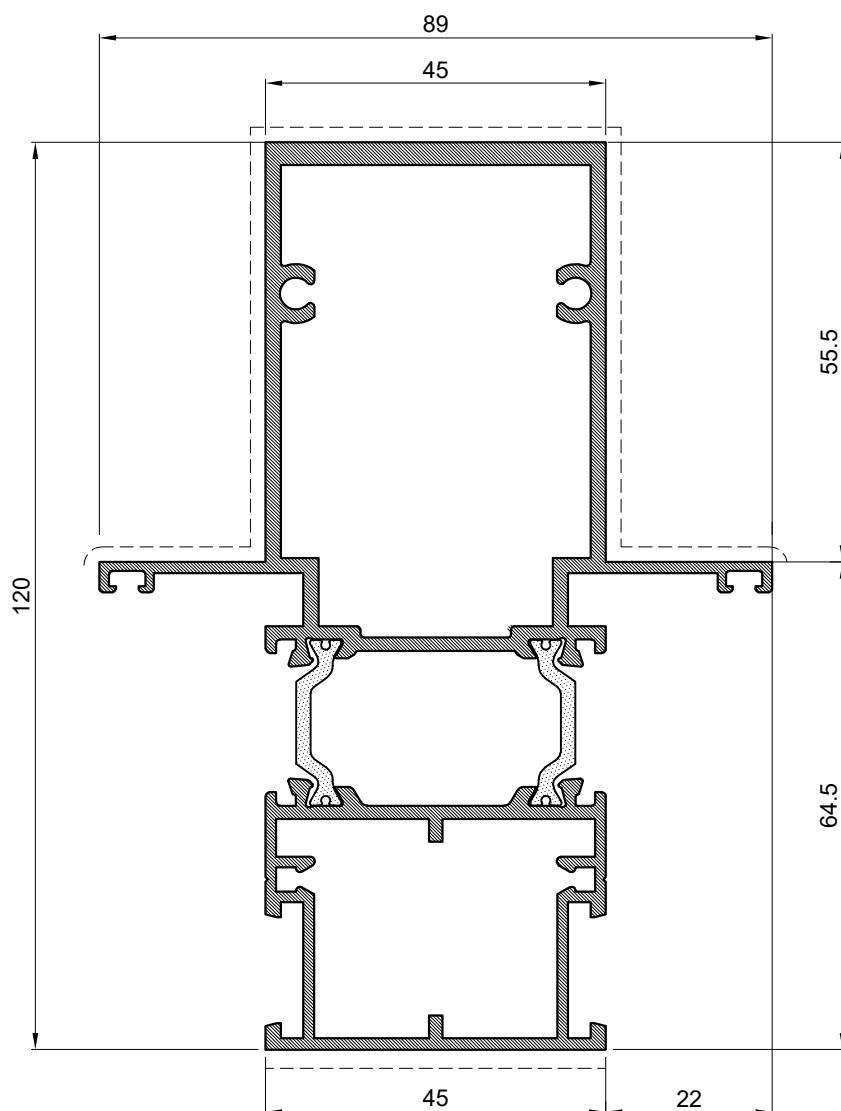


Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0205	
Težina Gewicht	kg/m	1.452
Opseg Abwicklung	mm	379
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	17.78
	I _y (cm ⁴)	8.91
	W _x (cm ³)	6.14
	W _y (cm ³)	2.47
L	mm	6500



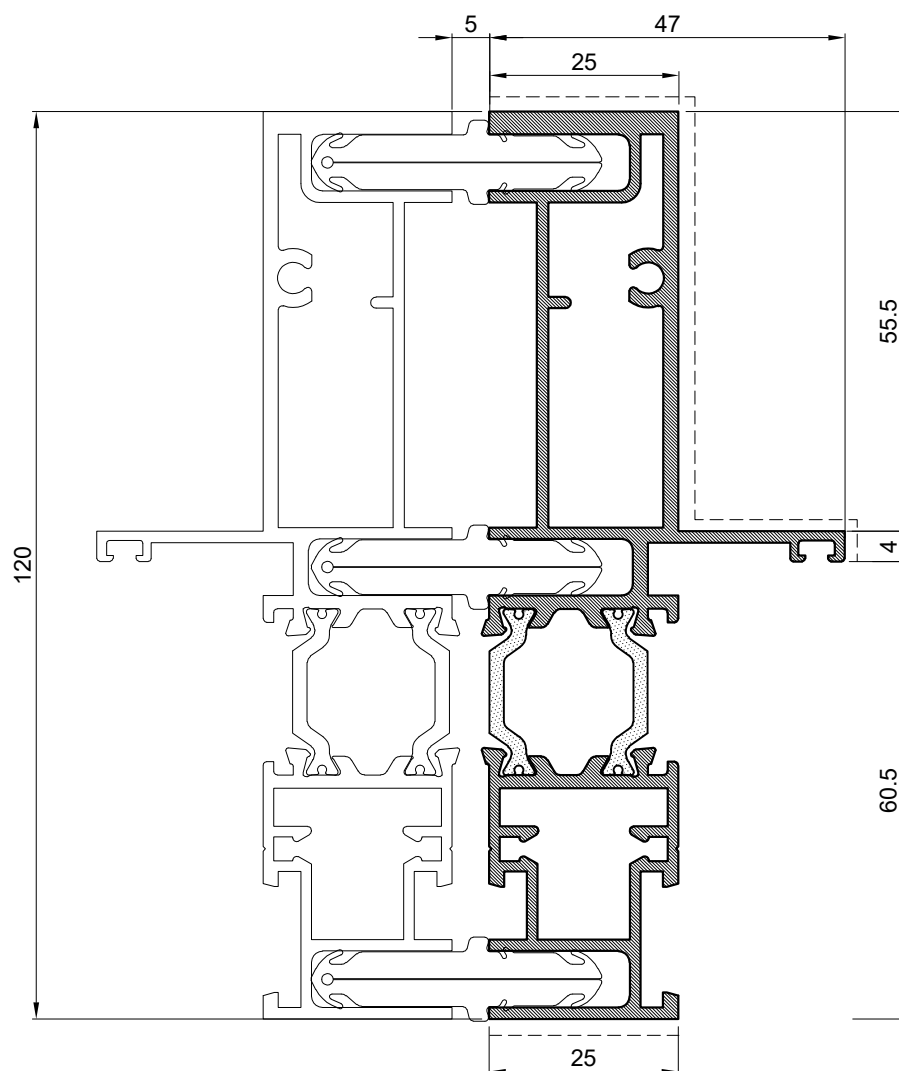
Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0206	
Težina Gewicht	kg/m	1.789
Opseg Abwicklung	mm	410
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	23.17
	I _y (cm ⁴)	21.51
	W _x (cm ³)	8.05
	W _y (cm ³)	4.83
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

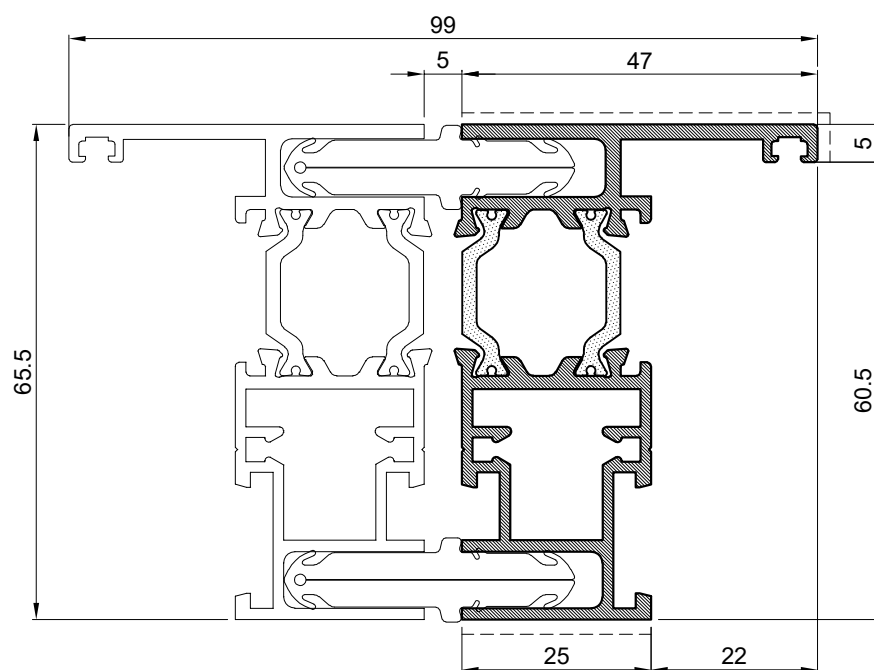


Profil ojačane prečke Statik Sprossenprofil		
Art.Br. Art.Nr.	FT-0209	
Težina Gewicht	kg/m	2.711
Opseg Abwicklung	mm	520
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	108
	I _y (cm ⁴)	34.73
	W _x (cm ³)	21.62
	W _y (cm ³)	7.8
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



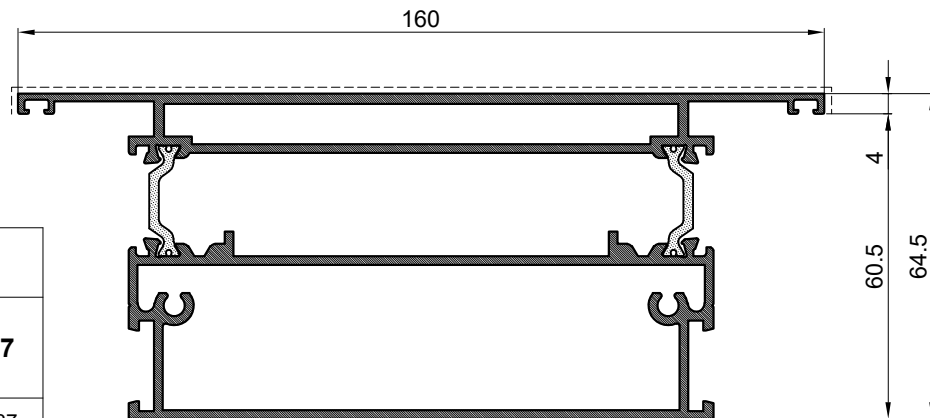
Vezni profil s ojačanjem Statikdehnungsblendrahmen		
Art.Br. Art.Nr.	FT-0226	
Težina Gewicht	kg/m	2.027
Opseg Abwicklung	mm	516
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	80.44
	Iy (cm ⁴)	6.66
	Wx (cm ³)	16.34
	Wy (cm ³)	2.1
L	mm	6500



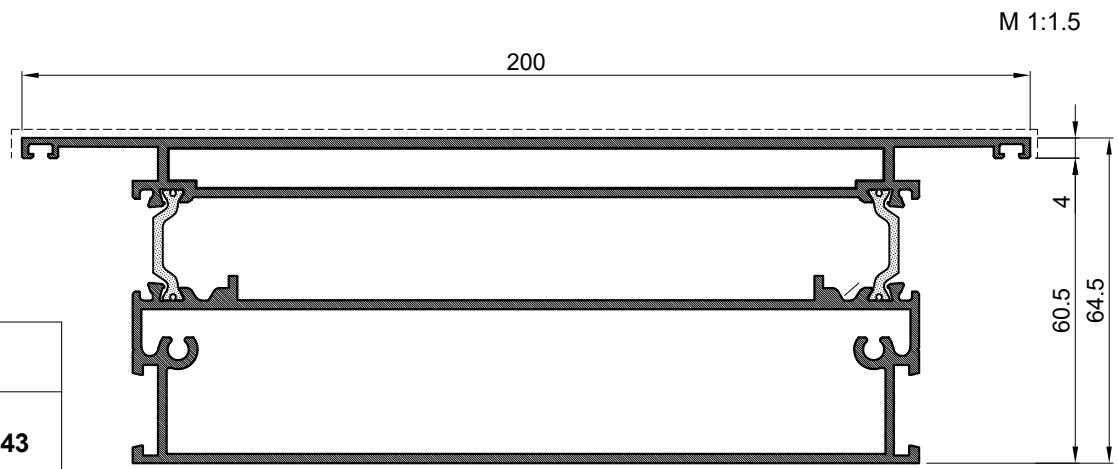
Vezni profil Statikdehnungsblendrahmen		
Art.Br. Art.Nr.	FT-0227	
Težina Gewicht	kg/m	1.311
Opseg Abwicklung	mm	386
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	16.5
	Iy (cm ⁴)	5.42
	Wx (cm ³)	6
	Wy (cm ³)	1.73
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

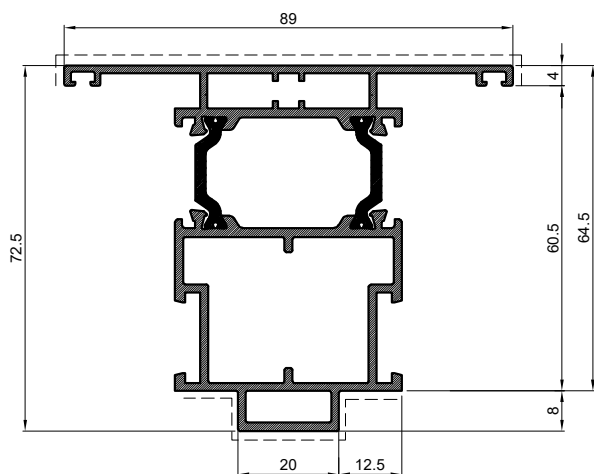
Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0207	
Težina Gewicht	kg/m	3.437
Opseg Abwicklung	mm	559
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	48.28
	I _y (cm ⁴)	209.94
	W _x (cm ³)	16.84
	W _y (cm ³)	26.24
L	mm	6500



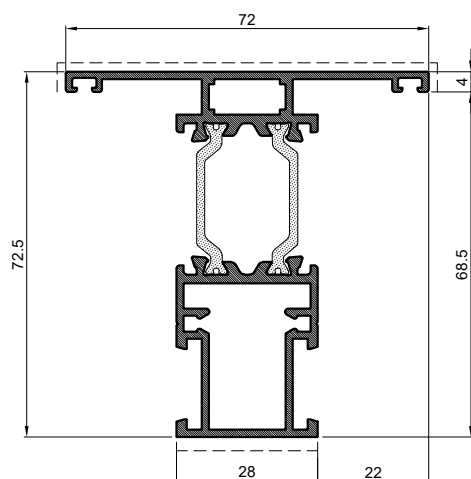
Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0243	
Težina Gewicht	kg/m	4.239
Opseg Abwicklung	mm	677
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	62.88
	I _y (cm ⁴)	450.12
	W _x (cm ³)	21.93
	W _y (cm ³)	45.01
L	mm	6500



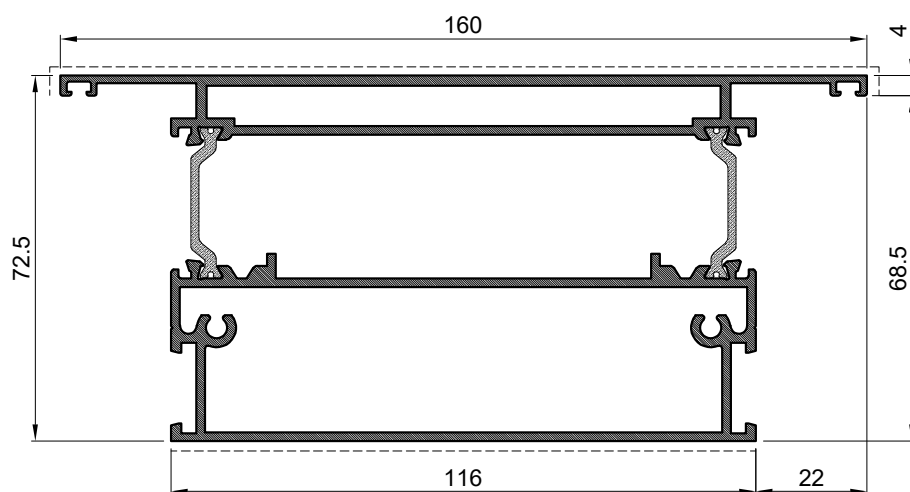
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0276	
Težina Gewicht	kg/m	1.876
Opseg Abwicklung	mm	454
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	30.71
	I _y (cm ⁴)	21.67
	W _x (cm ³)	9.5
	W _y (cm ³)	4.83
L	mm	6500

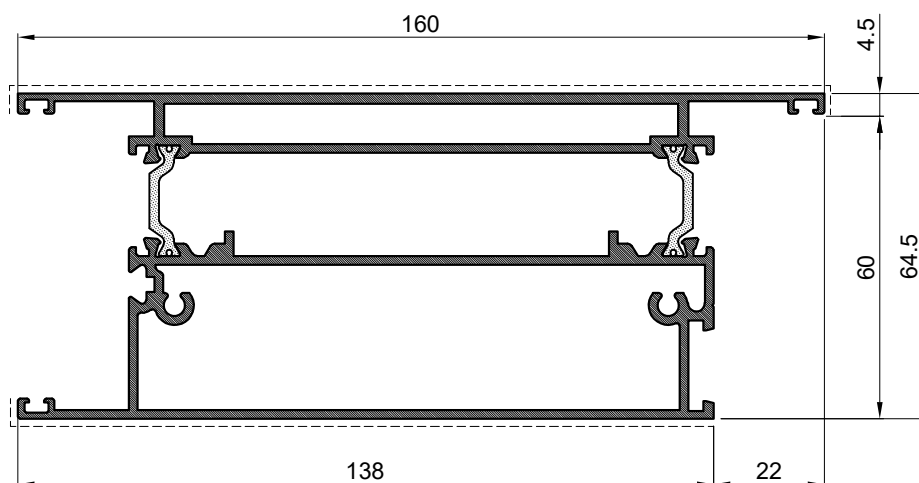


Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-0284	
Težina Gewicht	kg/m	1.450
Opseg Abwicklung	mm	392
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	23.66
	I _y (cm ⁴)	8.91
	W _x (cm ³)	7.59
	W _y (cm ³)	2.48
L	mm	6500

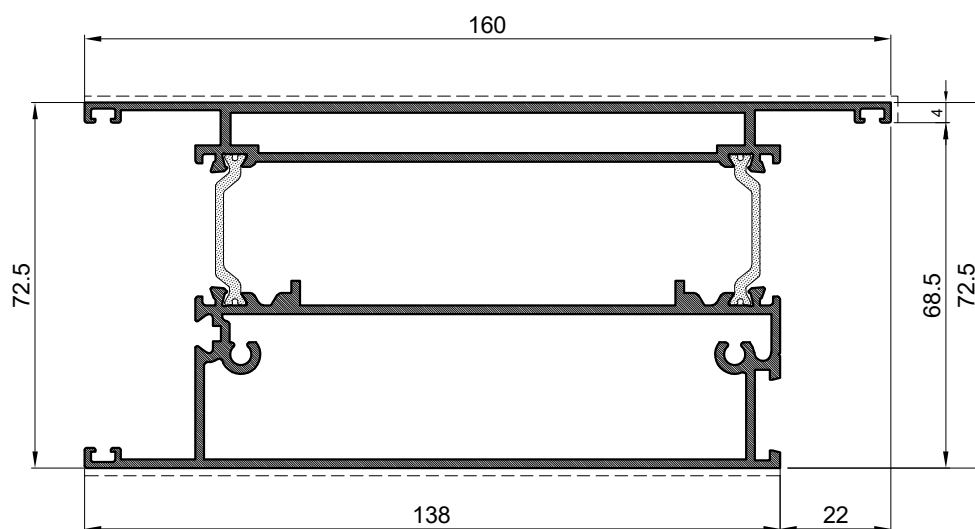


Profil prečke Sprossenprofil		
Art.Br. Art.Nr.	FT-1618	
Težina Gewicht	kg/m	3.479
Opseg Abwicklung	mm	581
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	63.36
	I _y (cm ⁴)	209.98
	W _x (cm ³)	20.53
	W _y (cm ³)	26.25
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

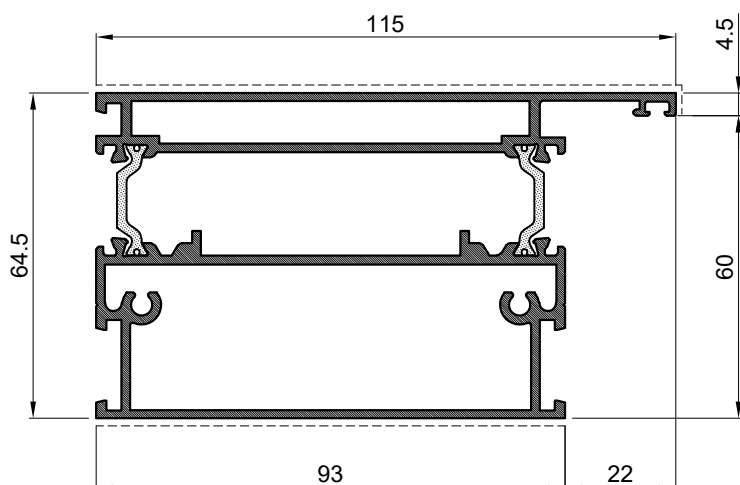
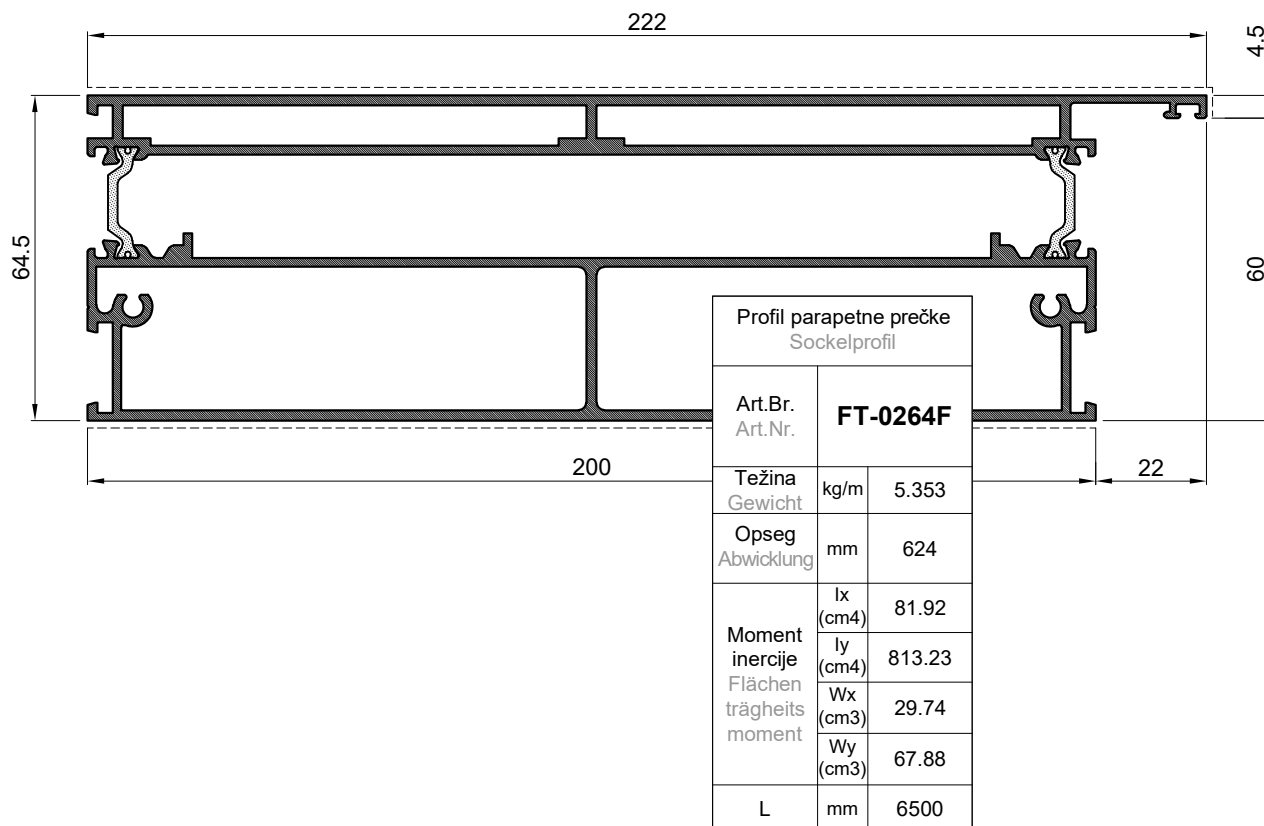


Profil parapetne prečke Sockelprofil		
Art.Br. Art.Nr.	FT-0208	
Težina Gewicht	kg/m	3.497
Opseg Abwicklung	mm	626
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	52.07
	I _y (cm ⁴)	230.02
	W _x (cm ³)	18.7
	W _y (cm ³)	27.94
L	mm	6500



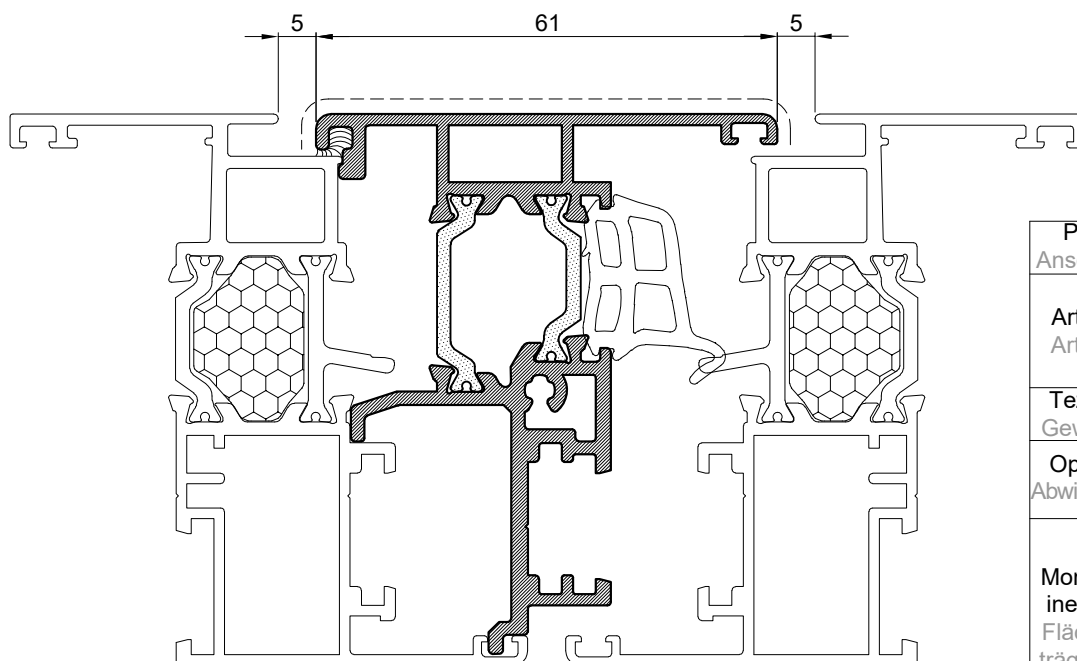
Profil parapetne prečke Sockelprofil		
Art.Br. Art.Nr.	FT-0282	
Težina Gewicht	kg/m	3.53
Opseg Abwicklung	mm	642
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	67.89
	I _y (cm ⁴)	230
	W _x (cm ³)	22.64
	W _y (cm ³)	27.94
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



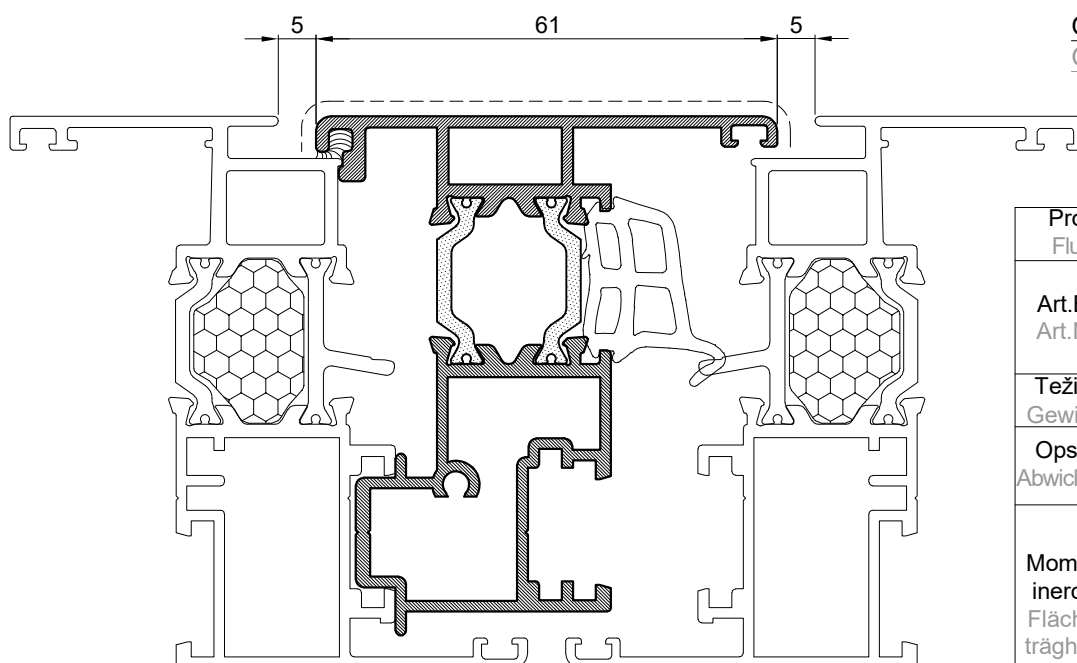
Profil parapetne prečke Sockelprofil		
Art.Br. Art.Nr.	FT-0265F	
Težina Gewicht	kg/m	2.769
Opseg Abwicklung	mm	410
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	37.23
	Iy (cm ⁴)	109.23
	Wx (cm ³)	13.45
	Wy (cm ³)	16.51
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil komb.-za prozor
Anschraubstulp für Fenster

Art.Br. Art.Nr.	FT-0286	
Težina Gewicht	kg/m	1.417
Opseg Abwicklung	mm	384
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	17.13
	Iy (cm ⁴)	6.51
	Wx (cm ³)	5.22
	Wy (cm ³)	1.94
L	mm	6500

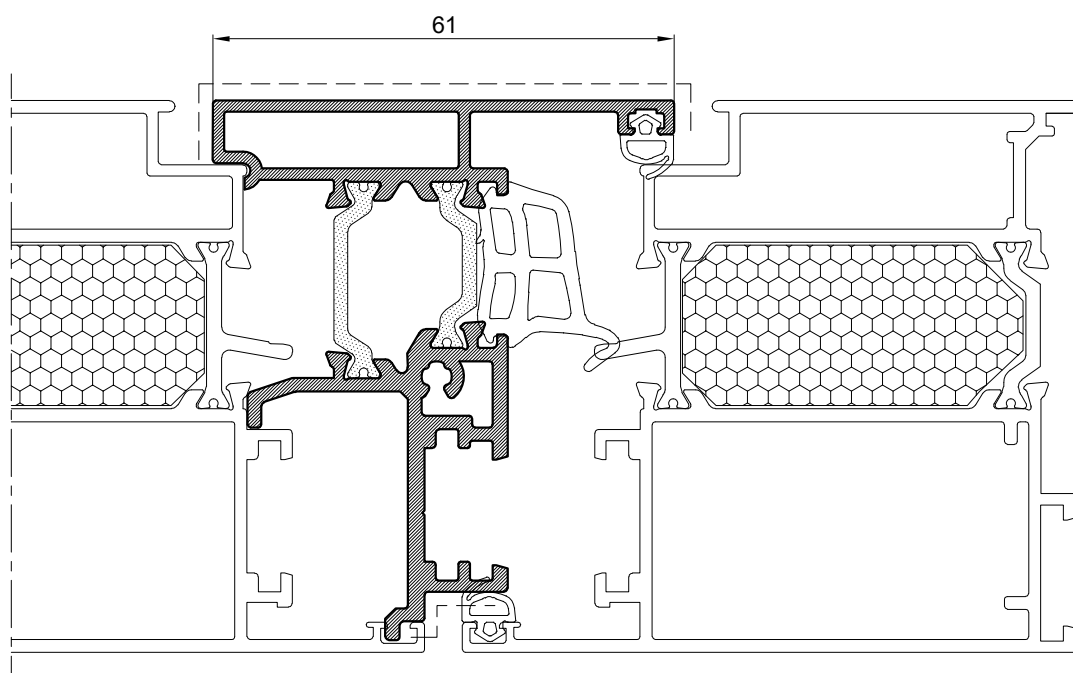


OPCIJA
OPTION

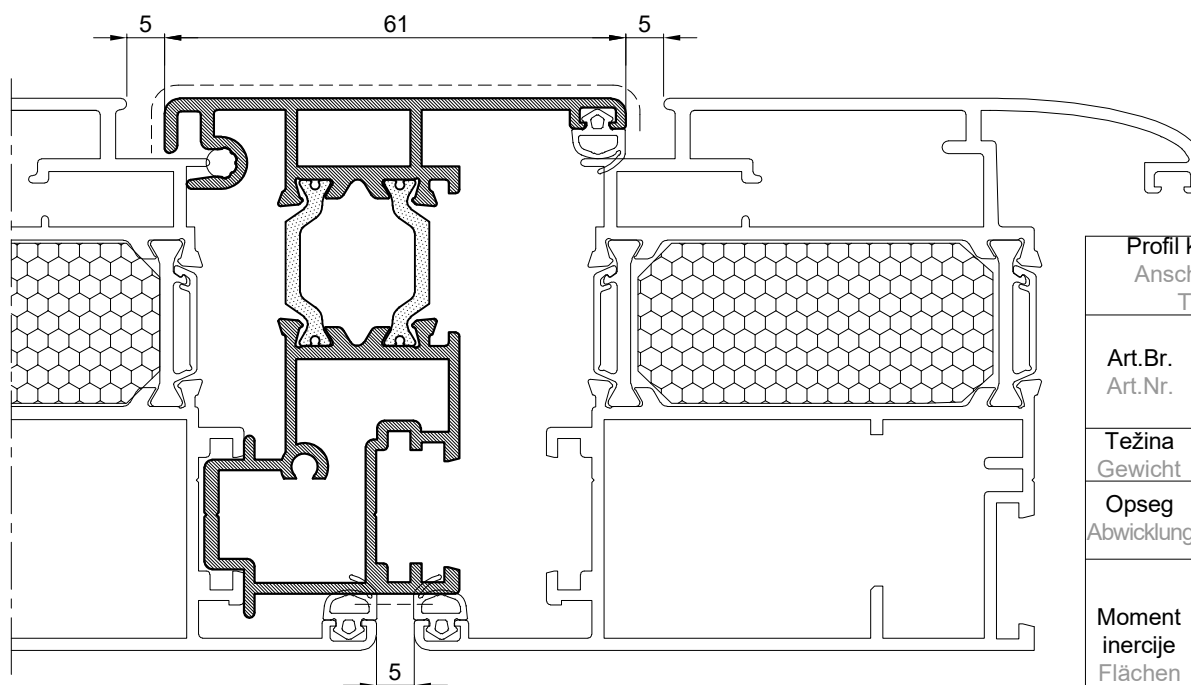
Profil komb.-za prozor
Flugpfosten für Fenster

Art.Br. Art.Nr.	FT-0211	
Težina Gewicht	kg/m	1.478
Opseg Abwicklung	mm	375
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	20.07
	Iy (cm ⁴)	7.81
	Wx (cm ³)	6.83
	Wy (cm ³)	2.17
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

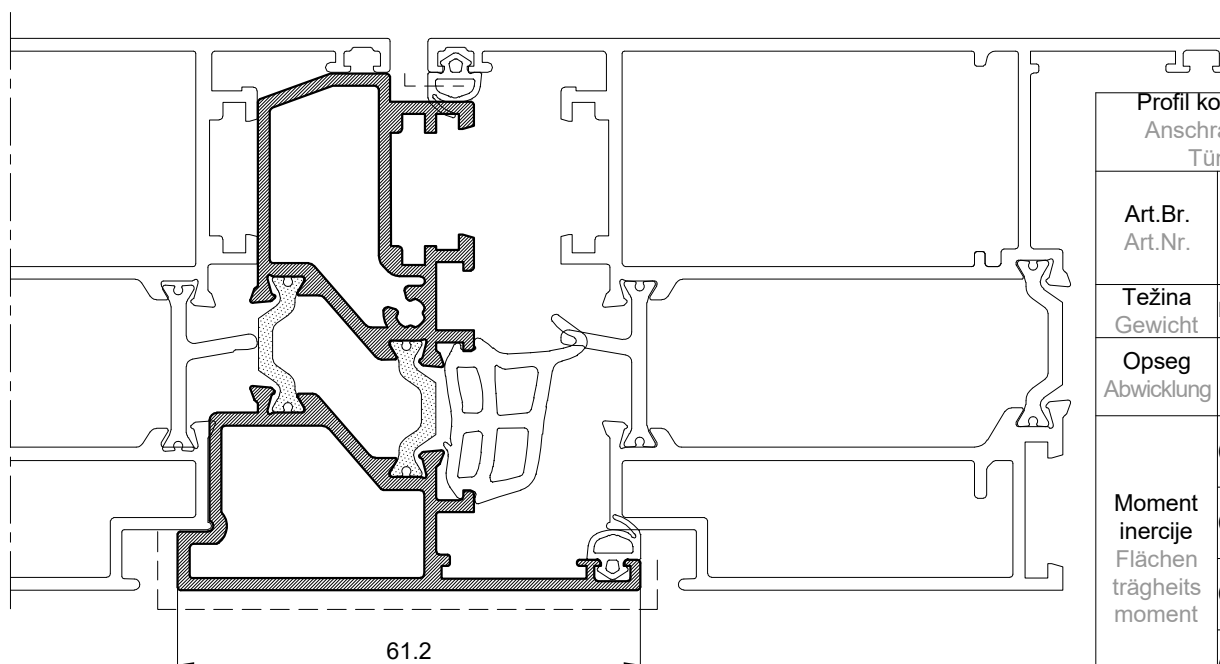


Profil komb.-za vrata Anschraubstulp für Türsystem		
Art.Br. Art.Nr.	FT-0277	
Težina Gewicht	kg/m	1.451
Opseg Abwicklung	mm	423
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	17.43
	Iy (cm ⁴)	4.58
	Wx (cm ³)	5.28
	Wy (cm ³)	2.23
L	mm	6500

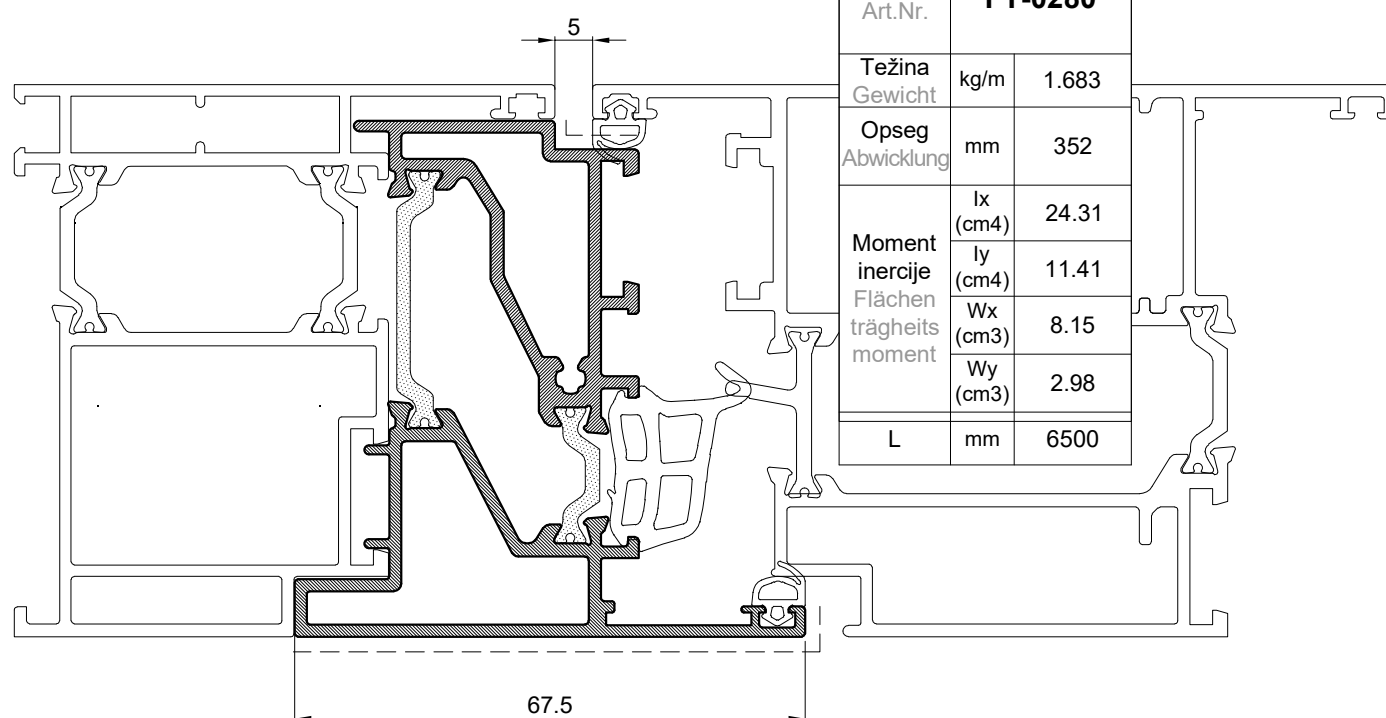


Profil komb.-za vrata Anschraubstulp für Türsystem		
Art.Br. Art.Nr.	FT-0211/A	
Težina Gewicht	kg/m	1.492
Opseg Abwicklung	mm	410
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	20.4
	Iy (cm ⁴)	8.59
	Wx (cm ³)	6.62
	Wy (cm ³)	2.34
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

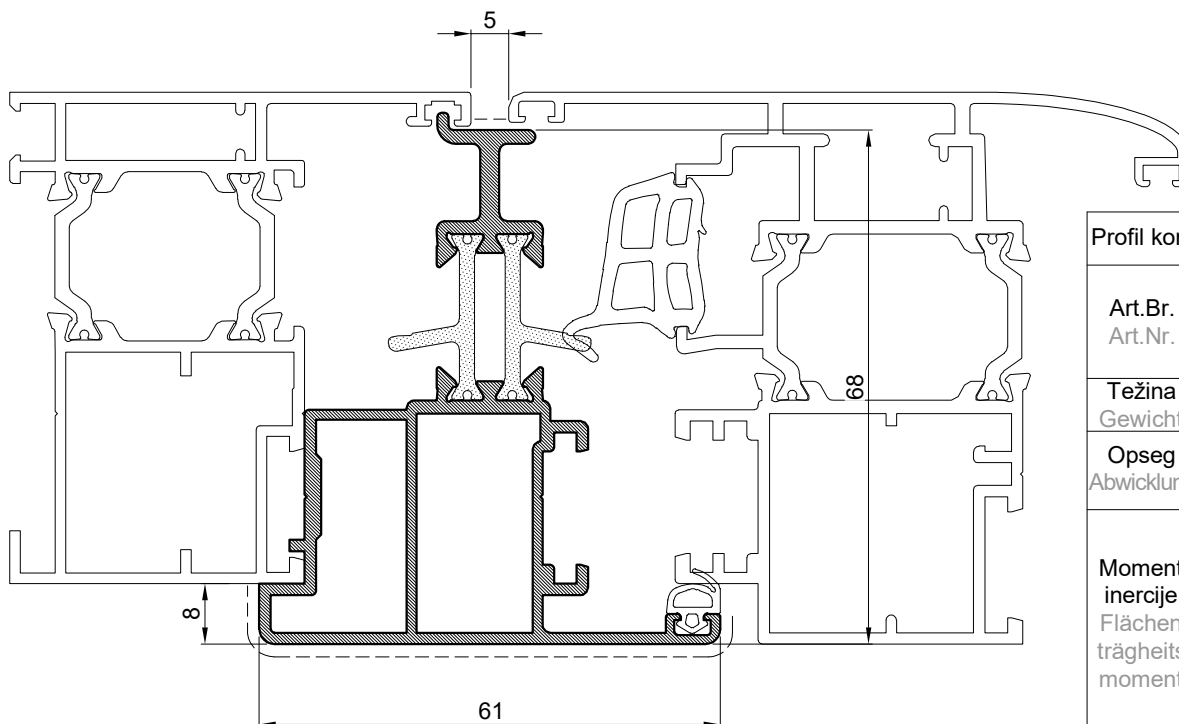


Profil komb.-za vrata Anschraubstulp für Türsystem		
Art.Br. Art.Nr.	FT-0281	
Težina Gewicht	kg/m	1.508
Opseg Abwicklung	mm	344
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	19.41
	Iy (cm ⁴)	8.84
	Wx (cm ³)	6.44
	Wy (cm ³)	2.42
L	mm	6500



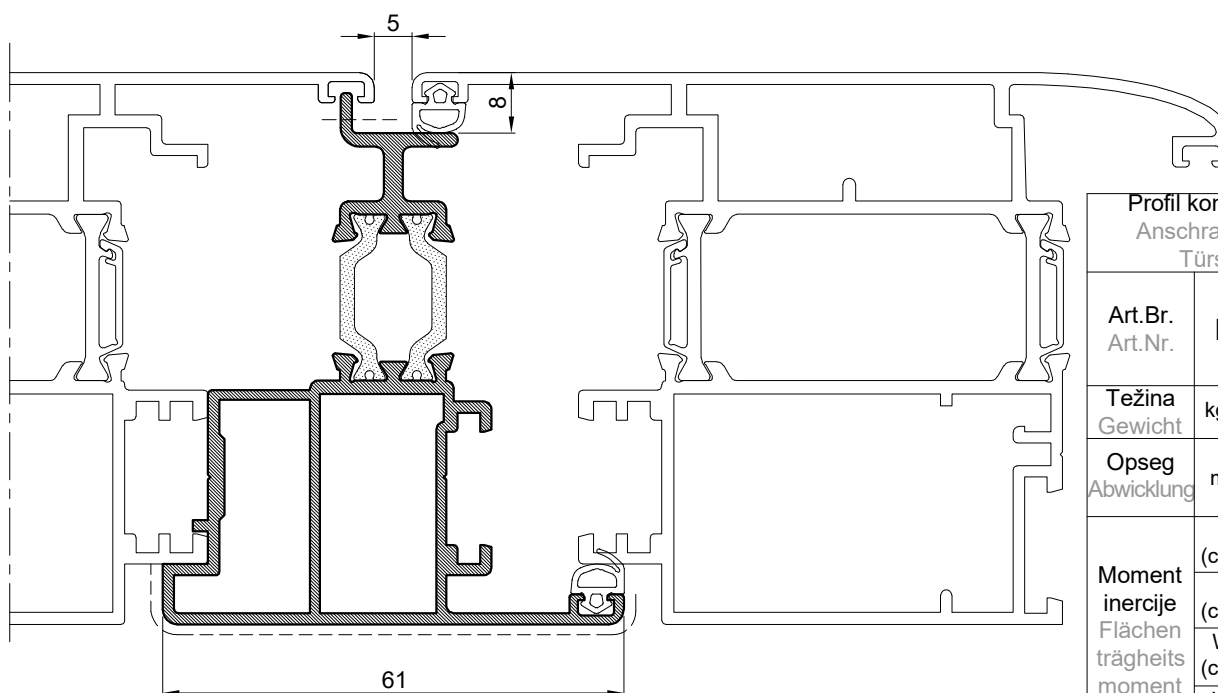
Profil komb.-za vrata Anschraubstulp für Türsystem		
Art.Br. Art.Nr.	FT-0280	
Težina Gewicht	kg/m	1.683
Opseg Abwicklung	mm	352
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	24.31
	Iy (cm ⁴)	11.41
	Wx (cm ³)	8.15
	Wy (cm ³)	2.98
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil komb. Anschraubstulp

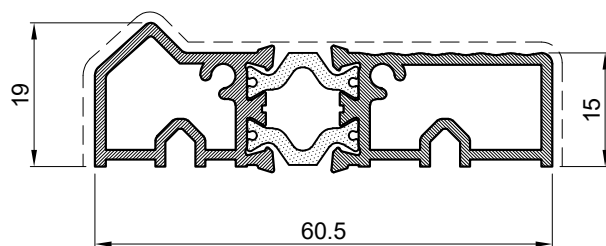
Art.Br. Art.Nr.	FT-0213	
Težina Gewicht	kg/m	1.339
Opseg Abwicklung	mm	376
Moment inercije Flächen trägheits moment	Ix (cm4)	15.81
	Iy (cm4)	18.16
	Wx (cm3)	4.45
	Wy (cm3)	2.38
L	mm	6500



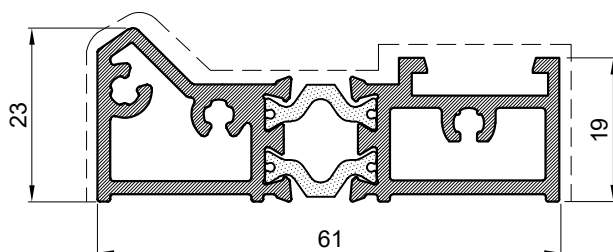
Profil komb.-za vrata
Anschraubstulp für
Türsystem

Art.Br. Art.Nr.	FT-0213/A	
Težina Gewicht	kg/m	1.293
Opseg Abwicklung	mm	333
Moment inercije Flächen trägheits moment	Ix (cm4)	15.6
	Iy (cm4)	8.21
	Wx (cm3)	4.39
	Wy (cm3)	2.4
L	mm	6500

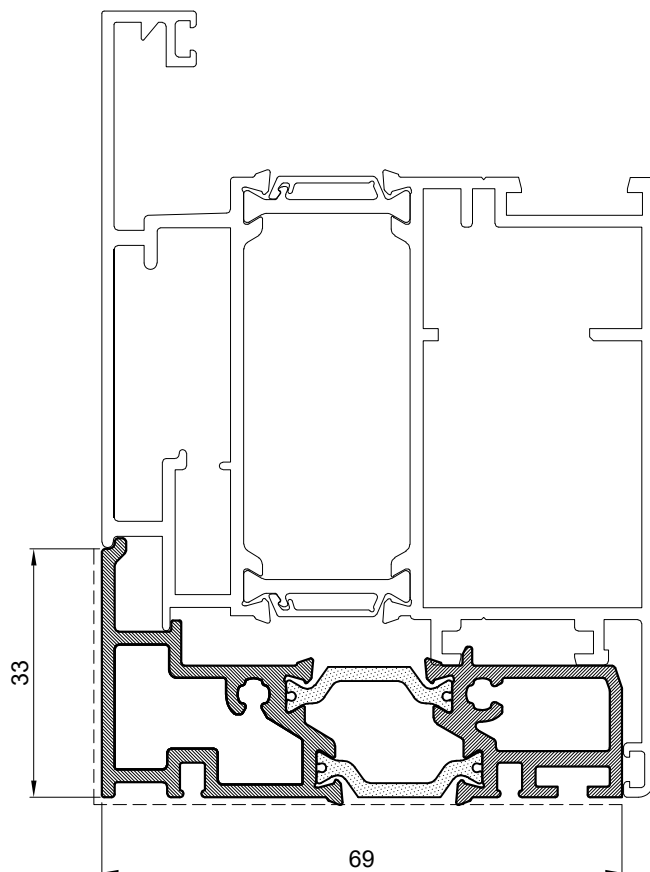
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil praga Schwellenprofil		
Art.Br. Art.Nr.	FT-0223	
Težina Gewicht	kg/m	0.832
Opseg Abwicklung	mm	175
L	mm	6500

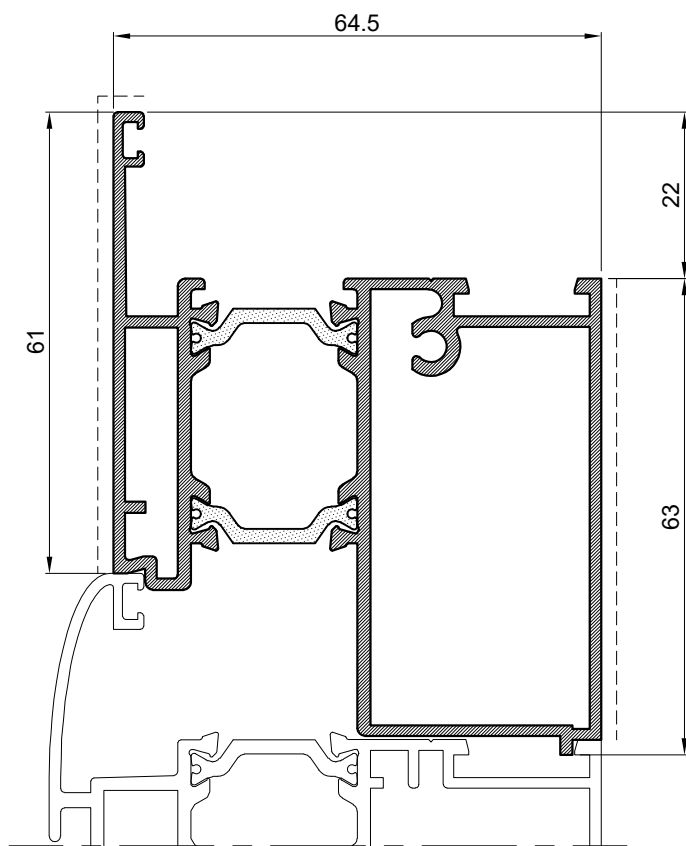


Profil praga Schwellenprofil		
Art.Br. Art.Nr.	FT-0294	
Težina Gewicht	kg/m	1.136
Opseg Abwicklung	mm	206
L	mm	6500

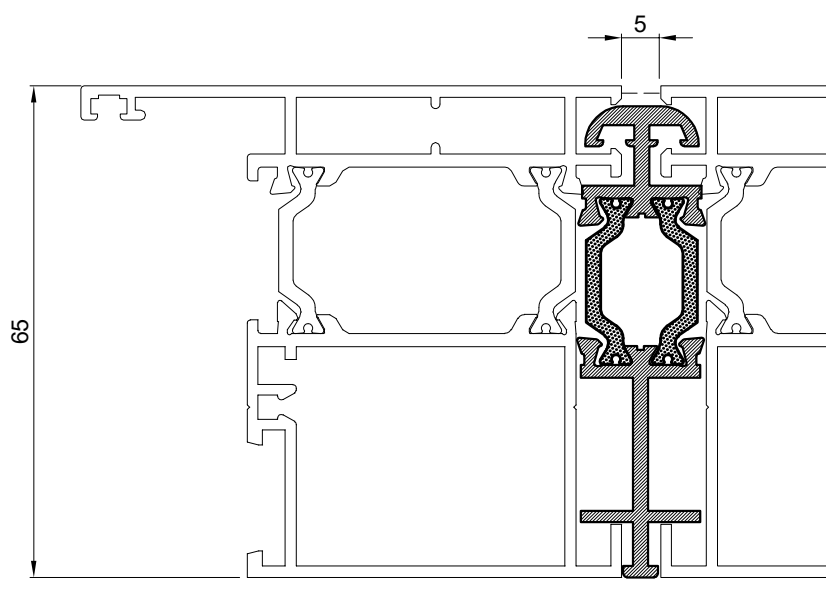


Profil parapeta Sockelprofil		
Art.Br. Art.Nr.	FT-0288	
Težina Gewicht	kg/m	1.251
Opseg Abwicklung	mm	260
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	2.45
	I _y (cm ⁴)	16.19
	W _x (cm ³)	1.03
	W _y (cm ³)	5.83
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

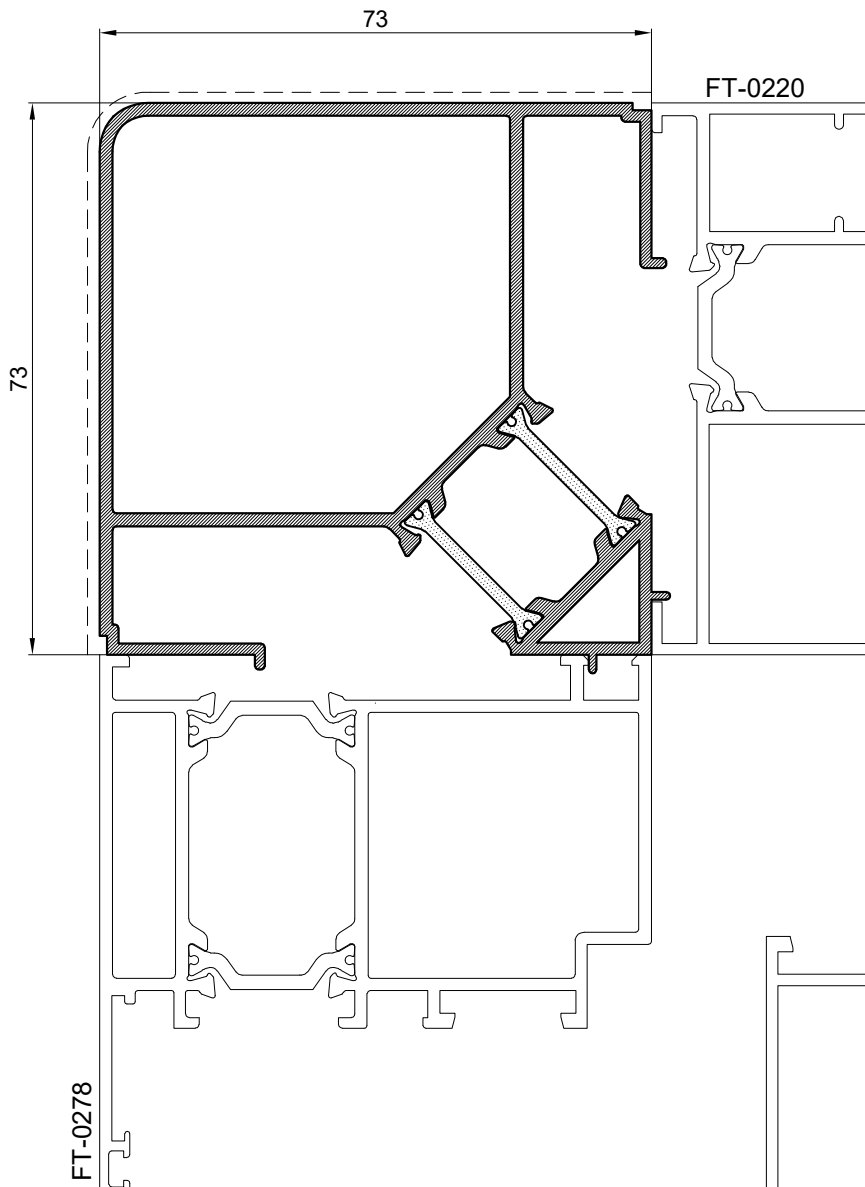


Parapetni profil Sockelprofil		
Art.Br. Art.Nr.	FT-0228	
Težina Gewicht	kg/m	1.707
Opseg Abwicklung	mm	371
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	24.74
	Iy (cm ⁴)	22.75
	Wx (cm ³)	5.58
	Wy (cm ³)	8.62
L	mm	6500



Vezni profil Kopplungsprofil		
Art.Br. Art.Nr.	FT-0216	
Težina Gewicht	kg/m	0.830
Opseg Abwicklung	mm	248
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	6.96
	Iy (cm ⁴)	0.39
	Wx (cm ³)	2.69
	Wy (cm ³)	0.45
L	mm	6500

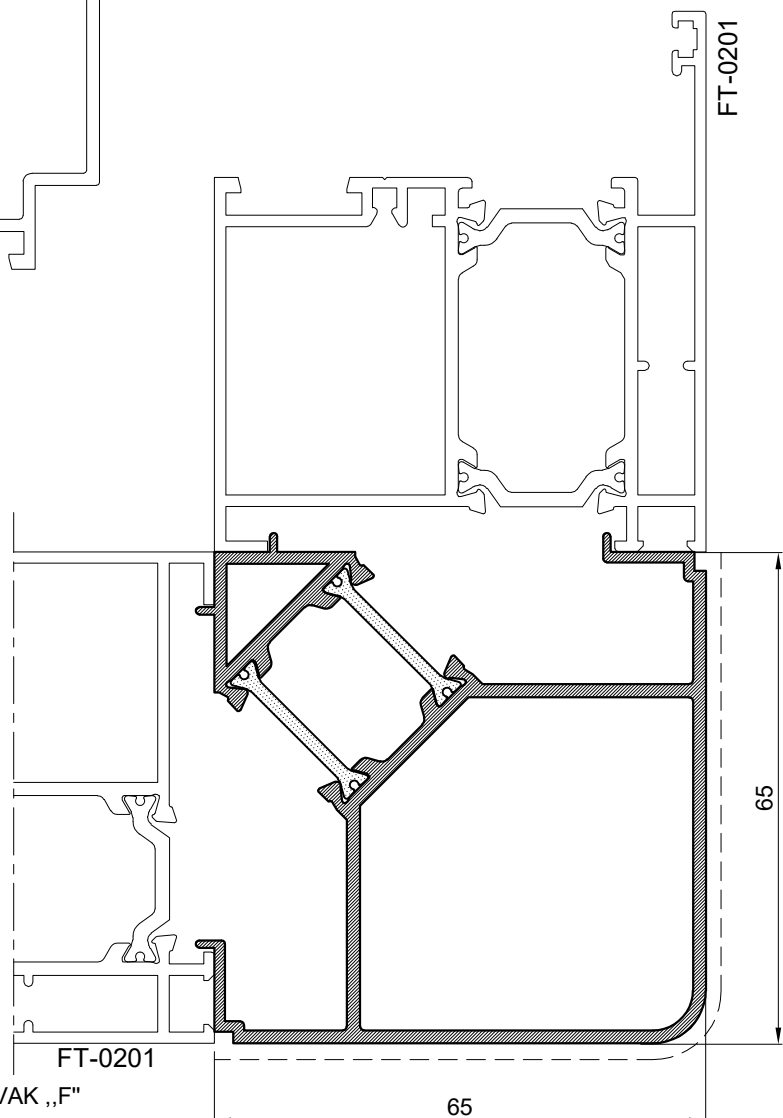
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



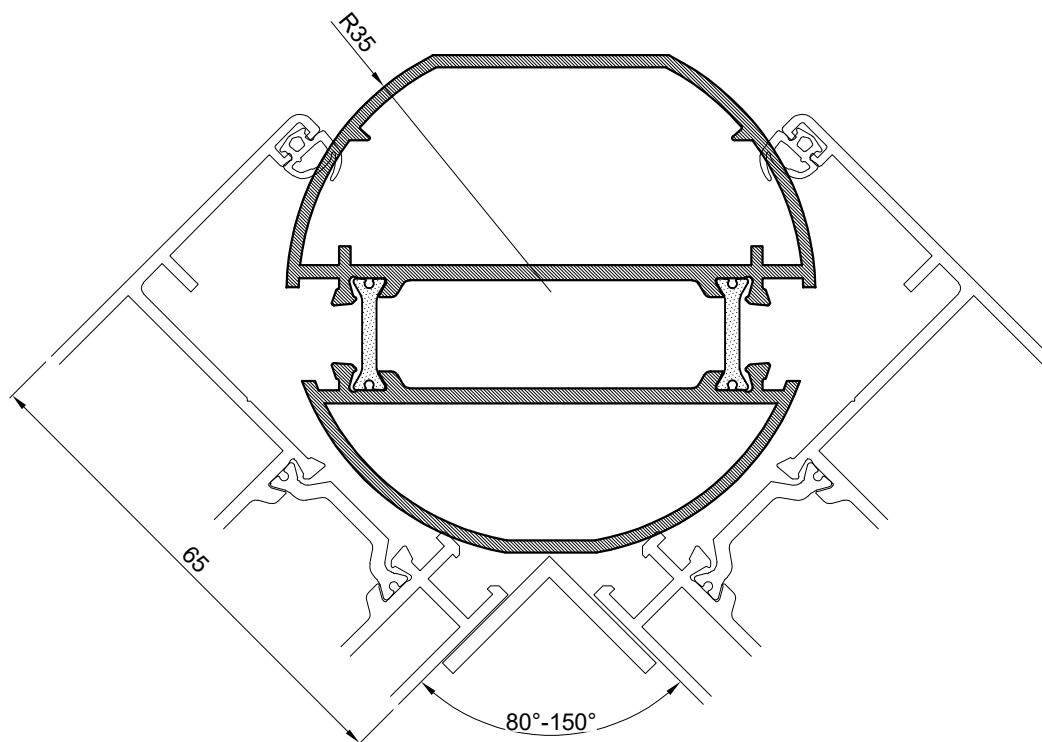
Profil za kut 90° Eckprofil 90°		
Art.Br. Art.Nr.	FT-0235	
Težina Gewicht	kg/m	1.796
Opseg Abwicklung	mm	448
Moment inerције Flächen trägheits moment	Ix (cm ⁴)	39.33
	Iy (cm ⁴)	42.91
	Wx (cm ³)	11.34
	Wy (cm ³)	11.34
L	mm	6500

FT-0278

Profil za kut 90° Eckprofil 90°		
Art.Br. Art.Nr.	FT-0222	
Težina Gewicht	kg/m	1.586
Opseg Abwicklung	mm	390
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	25.78
	Iy (cm ⁴)	28.54
	Wx (cm ³)	8.31
	Wy (cm ³)	8.31
L	mm	6500

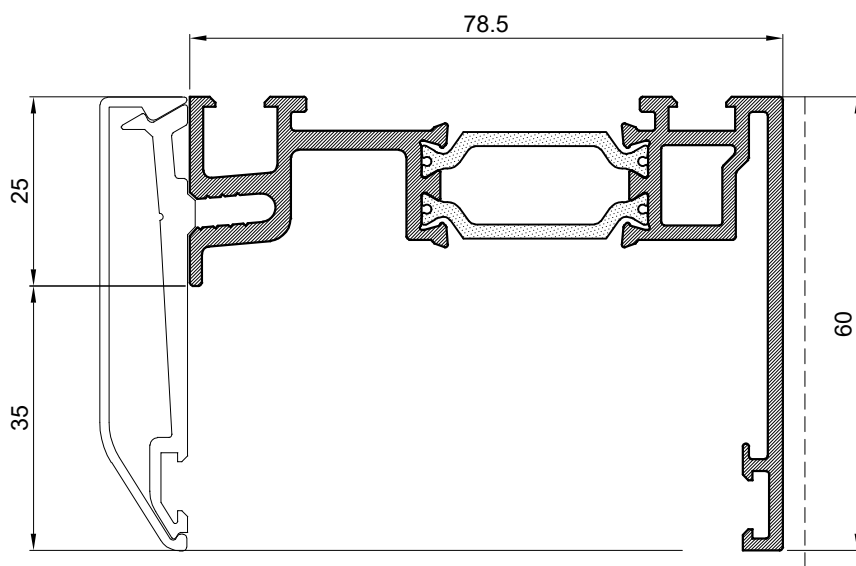


PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

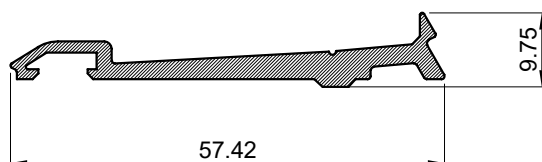


Profil za promjenjivi kut Variables Winkelprofil		
Art.Br. Art.Nr.	FT-0217	
Težina Gewicht	kg/m	1.780
Opseg Abwicklung	mm	269
Moment inerције Flächen trägheits moment	Ix (cm4)	16.92
	Iy (cm4)	27.48
	Wx (cm3)	6.4
	Wy (cm3)	7.85
L	mm	6500

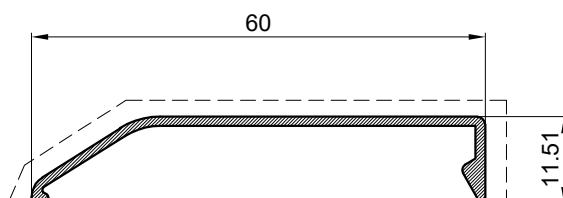
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil za ugradnju Bausenkungsprofil 2-teilig		
Art.Br. Art.Nr.	FT-0242	
Težina Gewicht	kg/m	1.498
Opseg Abwicklung	mm	444
L	mm	6500

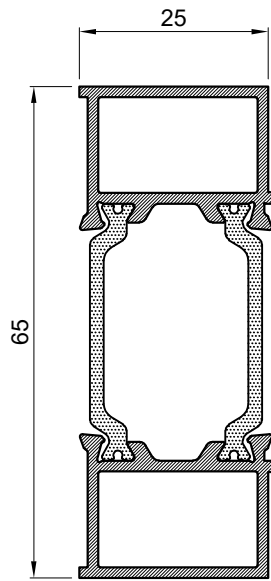


Profil za ugradnju Abdeckprofil für bausenkungsprofil		
Art.Br. Art.Nr.	F-1190	
Težina Gewicht	kg/m	0.461
Opseg Abwicklung	mm	145
L	mm	6500

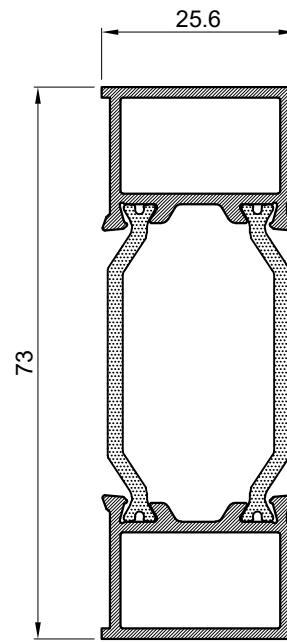


Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	FM-072	
Težina Gewicht	kg/m	0.258
Opseg Abwicklung	mm	152
L	mm	6500

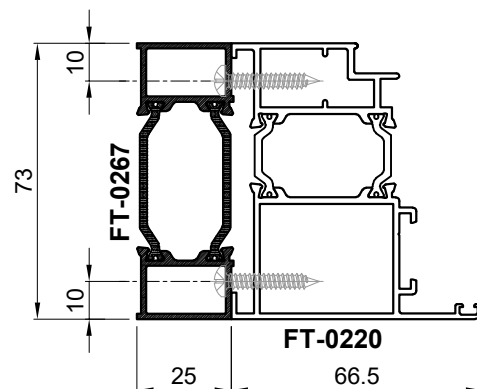
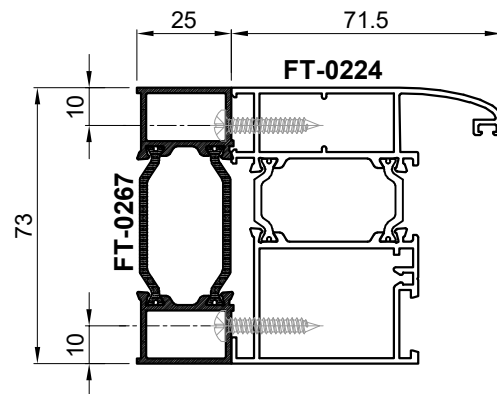
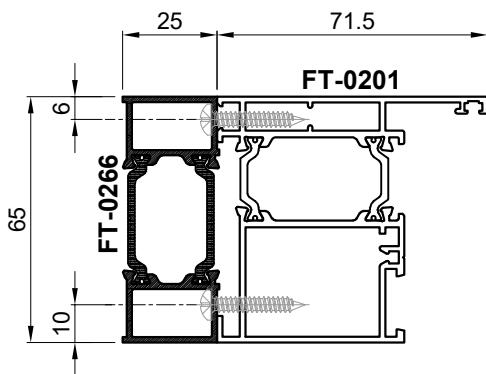
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



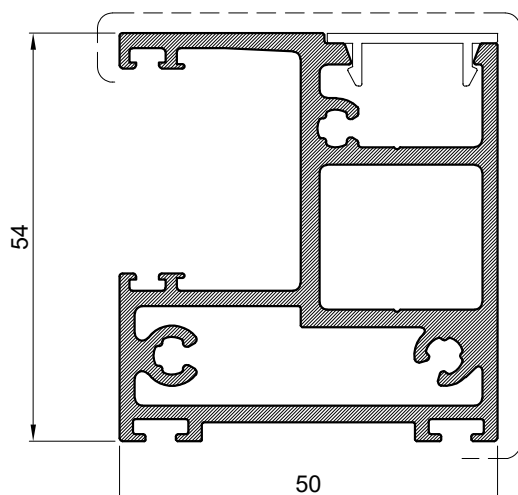
Profil za proširenje rama Blendrahmenverbreiterung		
Art.Br. Art.Nr.	FT-0266	
Težina Gewicht	kg/m	0.907
Opseg Opseg	mm	196
Moment inerције Flächen trägheits moment	I _x (cm ⁴)	10.08
	I _y (cm ⁴)	2.02
	W _x (cm ³)	4.59
	W _y (cm ³)	1.56
L	mm	6500



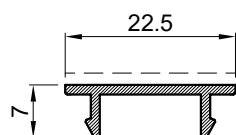
Profil za proširenje rama Blendrahmenverbreiterung		
Art.Br. Art.Nr.	FT-0267	
Težina Gewicht	kg/m	0.946
Opseg Opseg	mm	212
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	14.46
	I _y (cm ⁴)	2.02
	W _x (cm ³)	5.52
	W _y (cm ³)	1.56
L	mm	6500



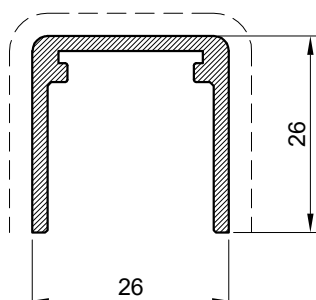
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



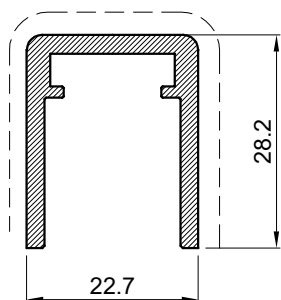
Profil francuskog balkona Profil französischer Balkon		
Art.Br. Art.Nr.	F-1569	
Težina Gewicht	kg/m	1.78
Opseg Abwicklung	mm	357
L	mm	6500



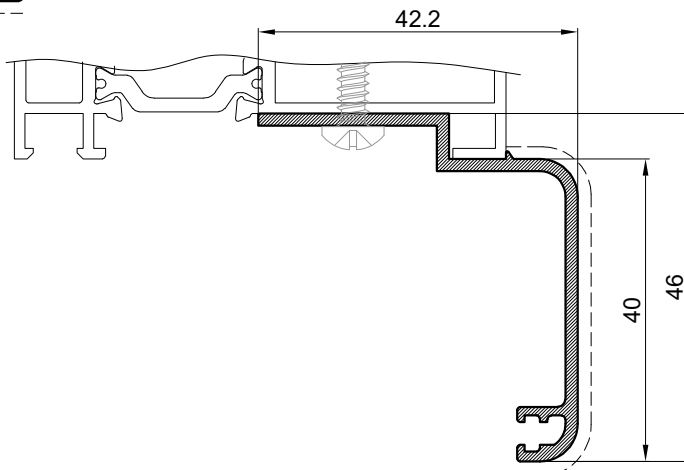
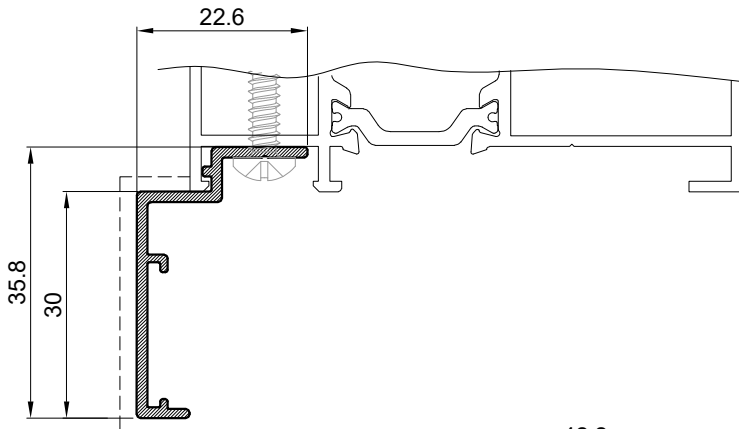
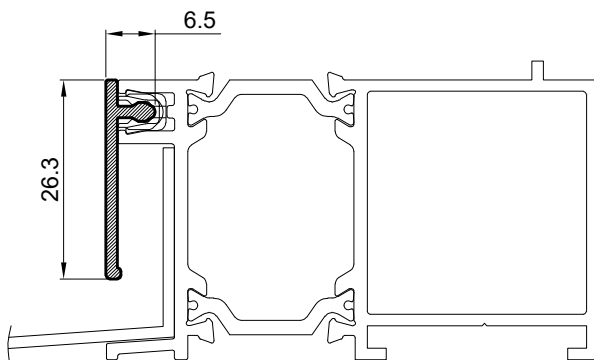
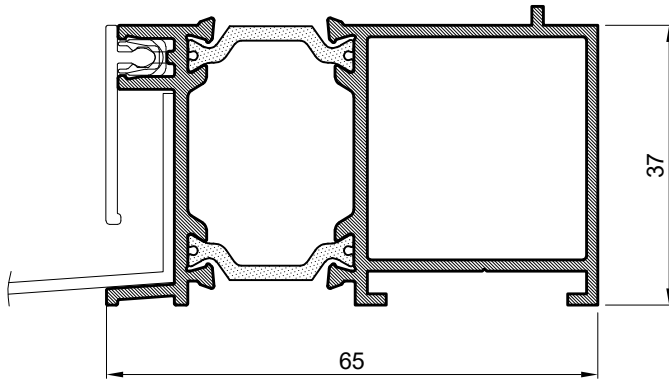
Pokrivni profil Abdeckprofil		
Art.Br. Art.Nr.	F-0826	
Težina Gewicht	kg/m	0.117
Opseg Abwicklung	mm	70
L	mm	6500



Profil rukovata za 1010.4 Handlauf profile für 1010.4		
Art.Br. Art.Nr.	F-1437	
Težina Gewicht	kg/m	0.444
Opseg Abwicklung	mm	154
L	mm	6500



Profil rukovata za 88.4 Handlauf profile für 88.4		
Art.Br. Art.Nr.	F-1490	
Težina Gewicht	kg/m	0.512
Opseg Abwicklung	mm	158
L	mm	6500



Profil za ugradnju Bausenkungsprofil		
Art.Br. Art.Nr.	FT-0289	
Težina Gewicht	kg/m	1.149
Opseg Abwicklung	mm	271
Moment inercije Flächen trägheits moment	Ix (cm4)	6.57
	Iy (cm4)	16.6
	Wx (cm3)	3.28
	Wy (cm3)	4.97
L	mm	6500

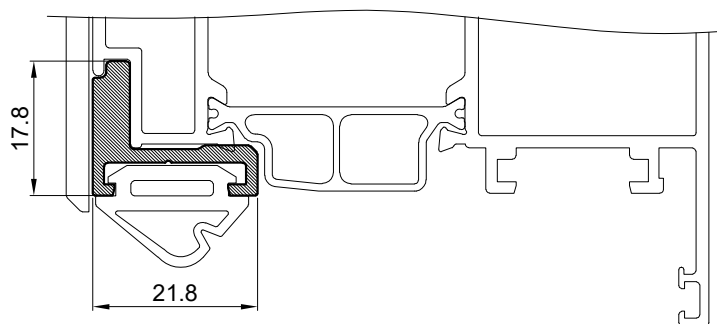
Profil Profile		
Art.Br. Art.Nr.	F-1552	
Težina Gewicht	kg/m	0.133
Opseg Abwicklung	mm	66
L	mm	6500

Profil Profile		
Art.Br. Art.Nr.	F-1482	
Težina Gewicht	kg/m	0.252
Opseg Abwicklung	mm	137
L	mm	6500

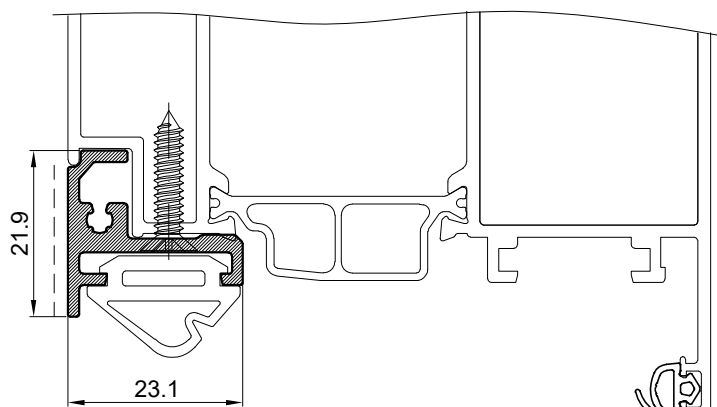
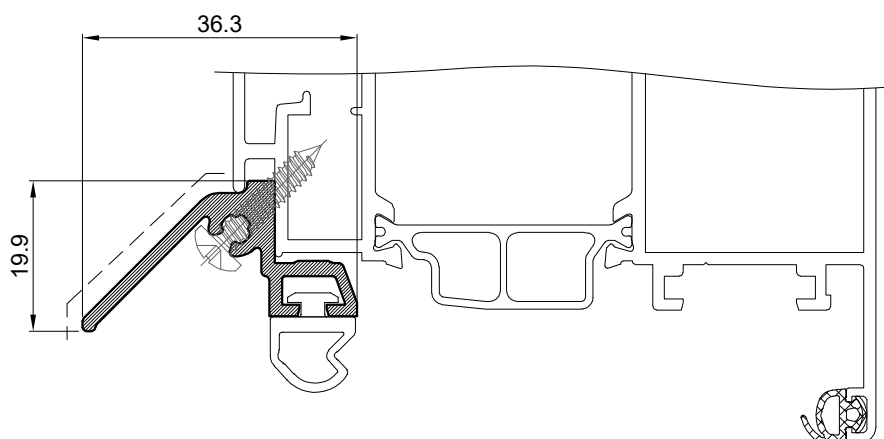
Profil Profile		
Art.Br. Art.Nr.	F-1309	
Težina Gewicht	kg/m	0.415
Opseg Abwicklung	mm	200
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

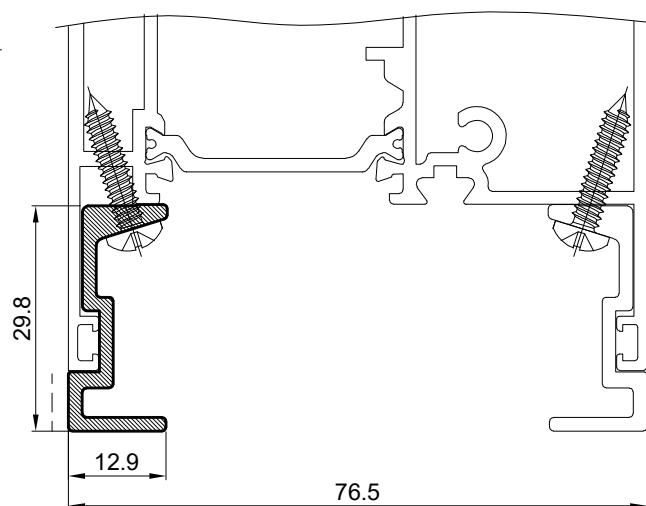
Profile Profile		
Art.Br. Art.Nr.	F-1661	
Težina Gewicht	kg/m	0.308
Opseg Abwicklung	mm	94
L	mm	6500



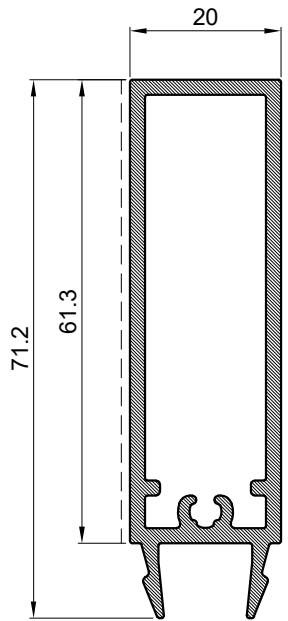
Profile Profile		
Art.Br. Art.Nr.	F-1567	
Težina Gewicht	kg/m	0.397
Opseg Abwicklung	mm	146
L	mm	6500



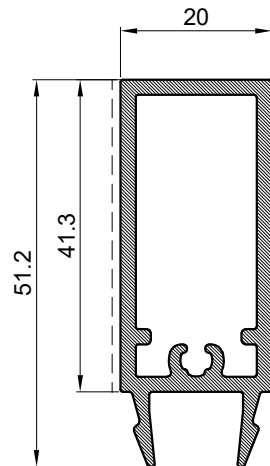
Profile Profile		
Art.Br. Art.Nr.	F-1483	
Težina Gewicht	kg/m	0.314
Opseg Abwicklung	mm	127
L	mm	6500



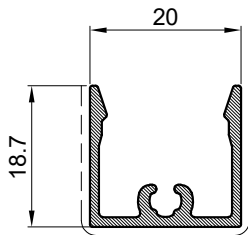
Profile Profile		
Art.Br. Art.Nr.	F-1408	
Težina Gewicht	kg/m	0.312
Opseg Abwicklung	mm	112
L	mm	6500



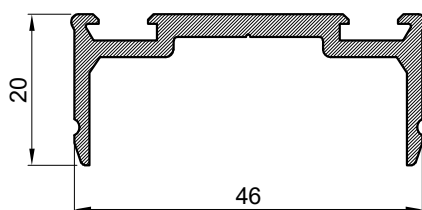
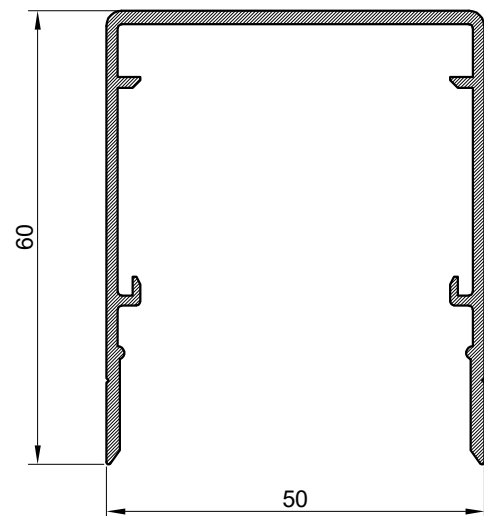
Profil ojačanja prečke Fensterkreuzverstärkung		
Art.Br. Art.Nr.	NP-4183	
Težina Gewicht	kg/m	0.990
Opseg Abwicklung	mm	200
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	18.21
	Iy (cm ⁴)	2.34
	Wx (cm ³)	5.11
	Wy (cm ³)	2.34
L	mm	6500



Profil ojačanja prečke Fensterkreuzverstärkung		
Art.Br. Art.Nr.	F-1634	
Težina Gewicht	kg/m	0.774
Opseg Abwicklung	mm	160
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	7.06
	Iy (cm ⁴)	1.69
	Wx (cm ³)	2.69
	Wy (cm ³)	1.69
L	mm	6500

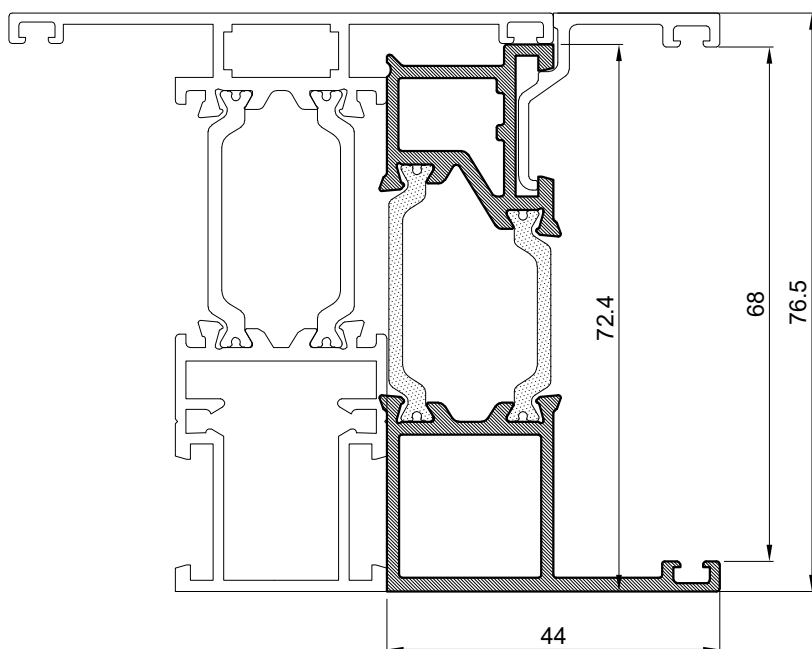


Maska profila ojačanja Maske des Verstärkungsprofils		
Art.Br. Art.Nr.	NP-4184	
Težina Gewicht	kg/m	0.243
Opseg Abwicklung	mm	129
L	mm	6500

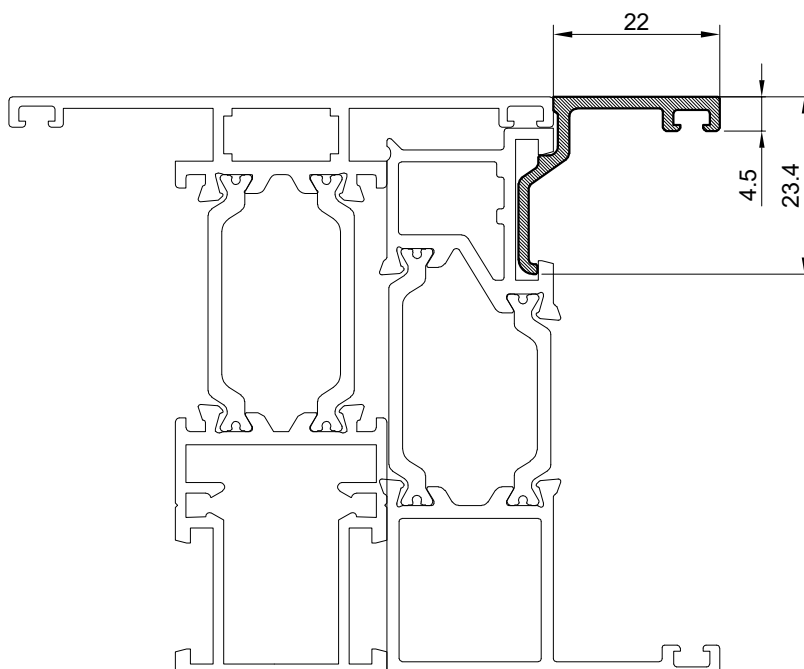


Profil ojačanja Reinforcement profile		
Art.Br. Art.Nr.	FMO 50/20D	
Težina Gewicht	kg/m	0.558
Opseg Abwicklung	mm	185
L	mm	6500

Profil ojačanja Verstärkungsprofil		
Art.Br. Art.Nr.	FMO 50/61	
Težina Gewicht	kg/m	0.785
Opseg Abwicklung	mm	365
L	mm	6500



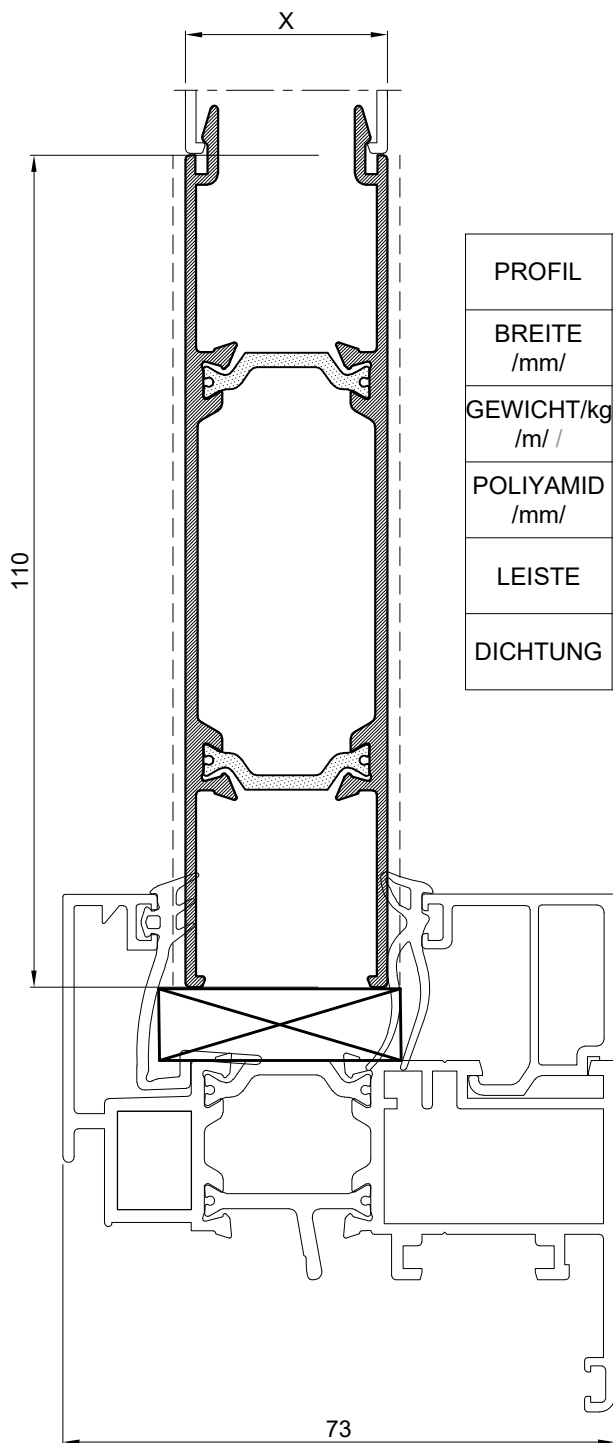
Profil rama Blendrahmenprofil		
Art.Br. Art.Nr.	FT-0293H	
Težina Gewicht	kg/m	1.183
Opseg Abwicklung	mm	270
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	17.97
	Iy (cm ⁴)	4.04
	Wx (cm ³)	6.06
	Wy (cm ³)	1.34
L	mm	6500



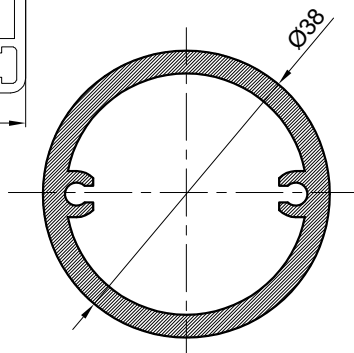
Profil Profile		
Art.Br. Art.Nr.	NP-4822	
Težina Gewicht	kg/m	0.218
Opseg Abwicklung	mm	134
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

PROFIL ISPUNE U OVISNOSTI O ŠIRINI POLIAMIDA ISOLATIONSPROFIL IN ABHÄNGIGKEIT VON DER BREITE POLYAMID

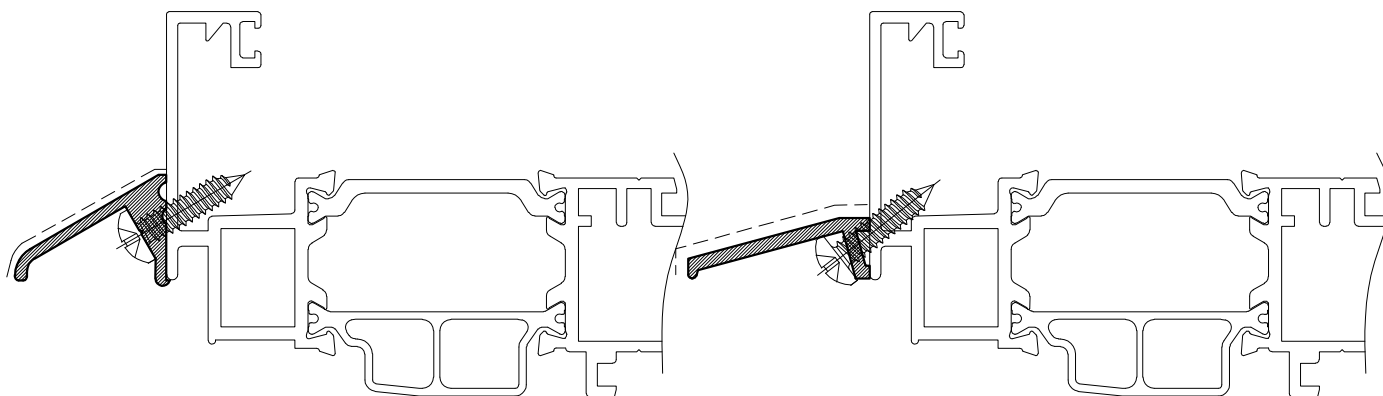


PROFIL	FT-0142/39	FT-0142/35	FT-0142/33	FT-0142/27	FT-0142
BREITE /mm/	38.7	34.7	32.7	26.7	19.5
GEWICHT/kg /m/ /	1.437	1.423	1.413	1.372	1.327
POLYAMID /mm/	34	30	28	22	14.8
LEISTE	Z40-664 (10.5 mm)	Z40-665 (15.5 mm)	Z40-666 (20.5 mm)	Z40-667 (25.5 mm)	Z40-668 (30.5 mm)
DICHTUNG	321.004 i 311.005	321.004 i 311.004	321.004 i 311.003	321.004 i 311.004	321.004 i 311.004



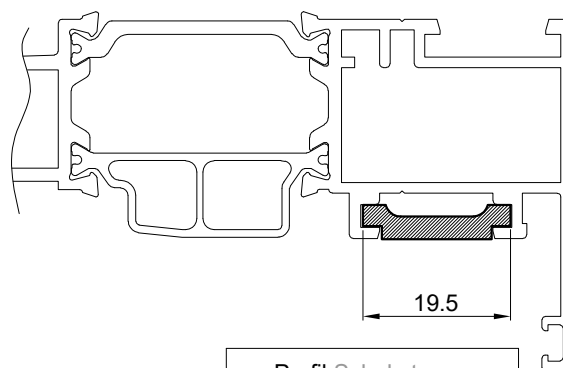
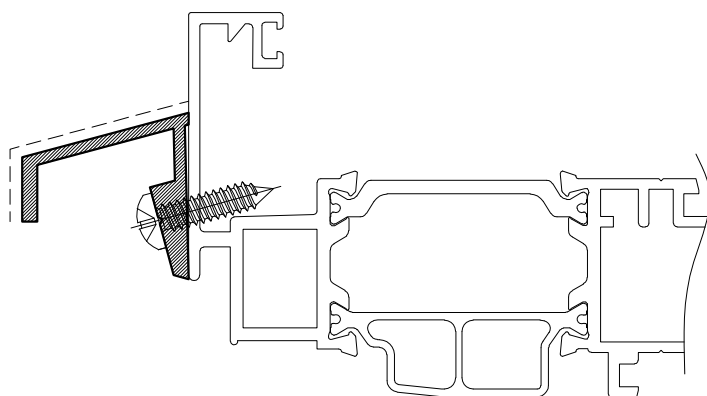
Profil Profile		
Art.Br. Art.Nr.	F-0829	
Težina Gewicht	kg/m	0.953
Opseg Abwicklu ng	mm	119
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



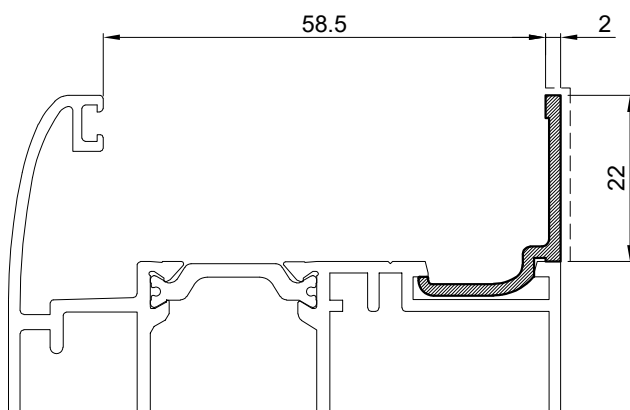
Profil Wetterschenkel		
Art.Br. Art.Nr.	Z40-657	
Težina Gewicht	kg/m	0.186
Opseg Abwicklung	mm	73
L	mm	6500

Profil Wetterschenkel		
Art.Br. Art.Nr.	F-0228	
Težina Gewicht	kg/m	0.153
Opseg Abwicklung	mm	68
L	mm	6500

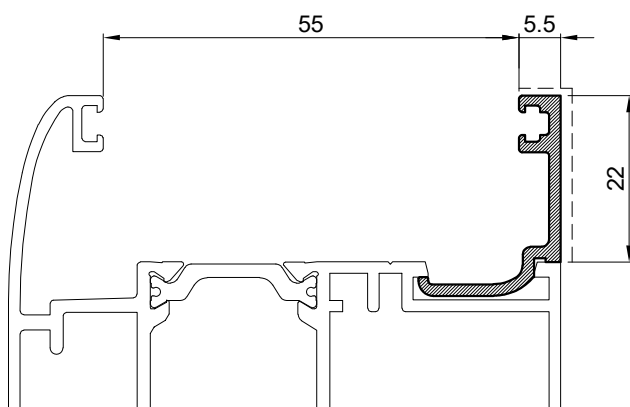


Profil Wetterschenkel		
Art.Br. Art.Nr.	060350	
Težina Gewicht	kg/m	0.285
Opseg Abwicklung	mm	107
L	mm	6500

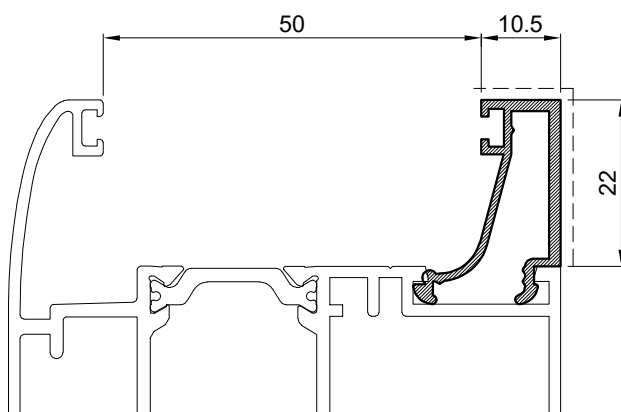
Profil Schubstange		
Art.Br. Art.Nr.	NC-1459	
Težina Gewicht	kg/m	0.156
Opseg Abwicklung	mm	49
L	mm	6500



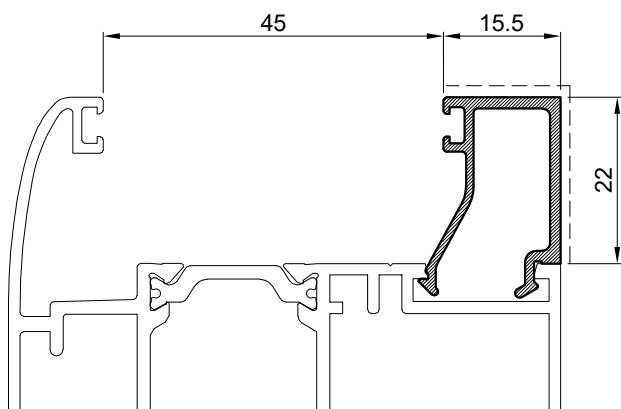
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-660	
Težina Gewicht	kg/m	0.179
Opseg Abwicklung	mm	89
L	mm	6500



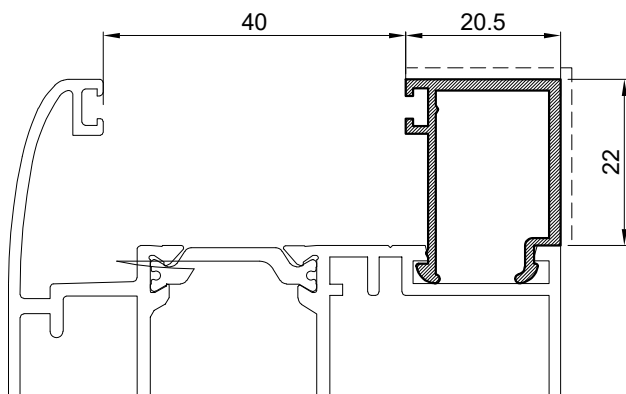
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-656	
Težina Gewicht	kg/m	0.215
Opseg Abwicklung	mm	107
L	mm	6500



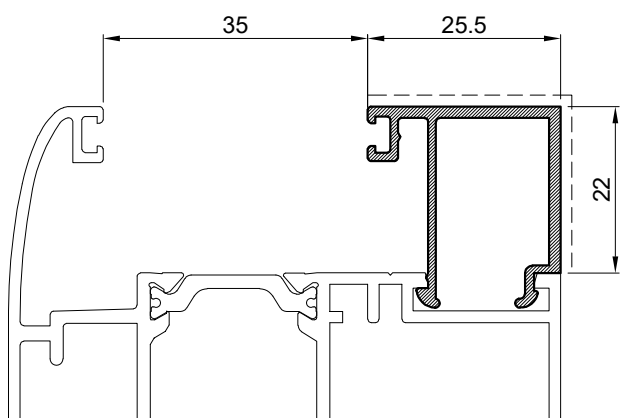
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-636	
Težina Gewicht	kg/m	0.261
Opseg Abwicklung	mm	158
L	mm	6500



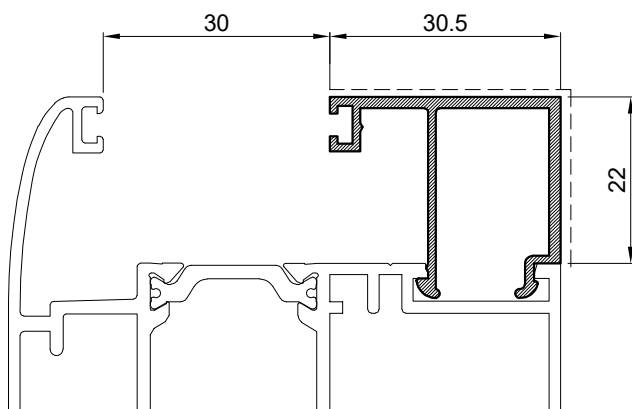
Profil Glasleisten		
Art.Br. Art.Nr.	M45-709	
Težina Gewicht	kg/m	0.258
Opseg Abwicklung	mm	153
L	mm	6500



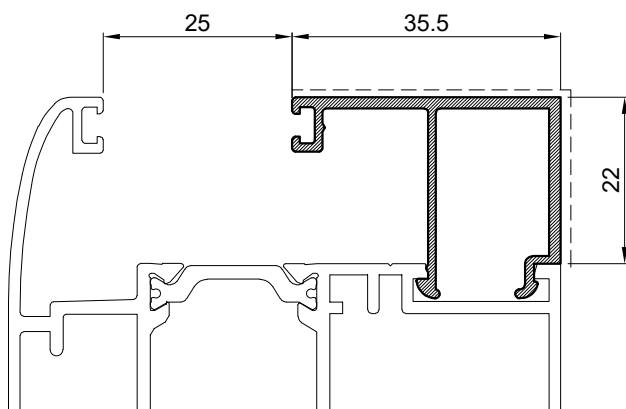
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-644	
Težina Gewicht	kg/m	0.275
Opseg Abwicklung	mm	166
L	mm	6500



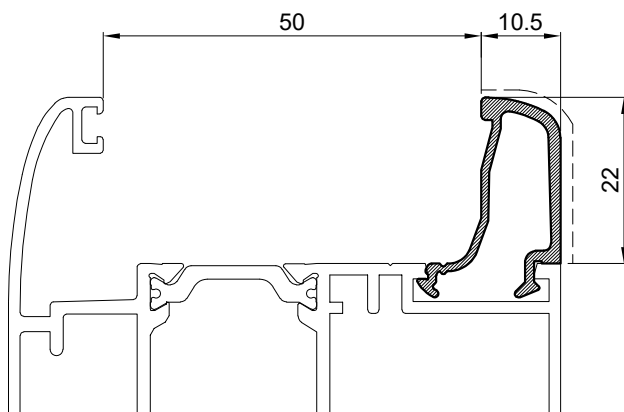
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-658	
Težina Gewicht	kg/m	0.318
Opseg Abwicklung	mm	184
L	mm	6500



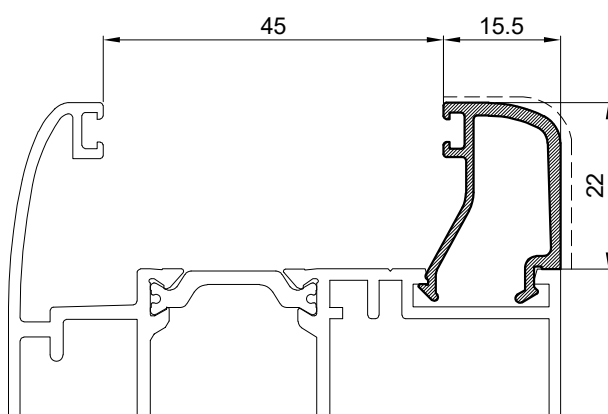
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-653	
Težina Gewicht	kg/m	0.347
Opseg Abwicklung	mm	196
L	mm	6500



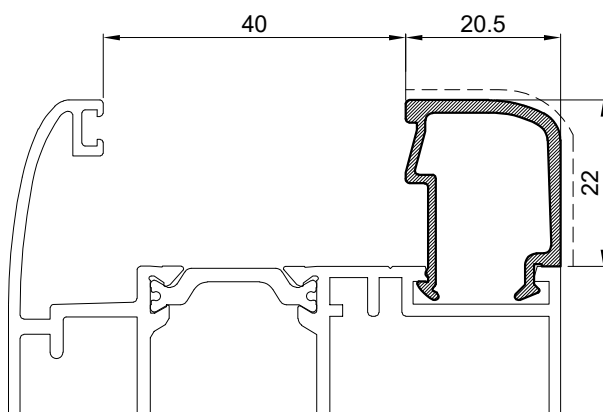
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-659	
Težina Gewicht	kg/m	0.359
Opseg Abwicklung	mm	204
L	mm	6500



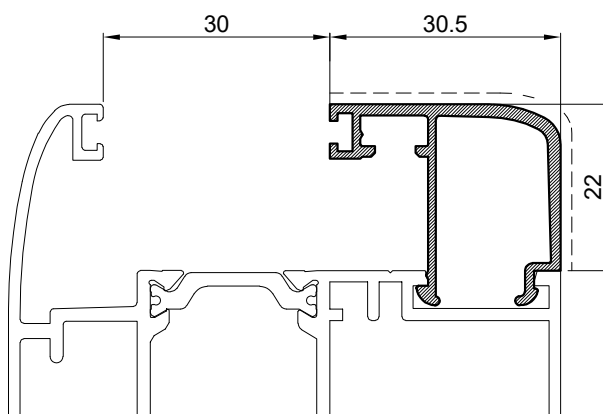
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-647	
Težina Gewicht	kg/m	0.226
Opseg Abwicklung	mm	138
L	mm	6500



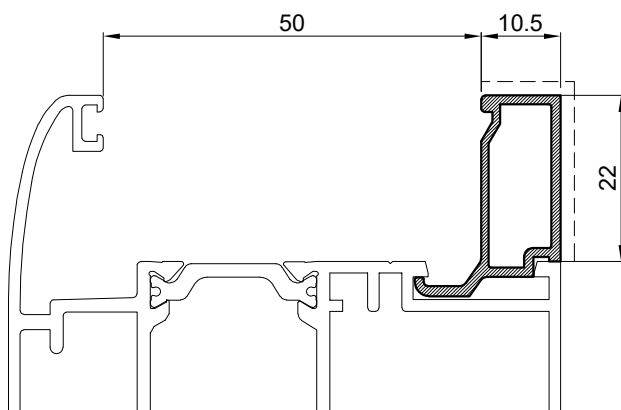
Profil Glasleisten		
Art.Br. Art.Nr.	M45-740	
Težina Gewicht	kg/m	0.258
Opseg Abwicklung	mm	148
L	mm	6500



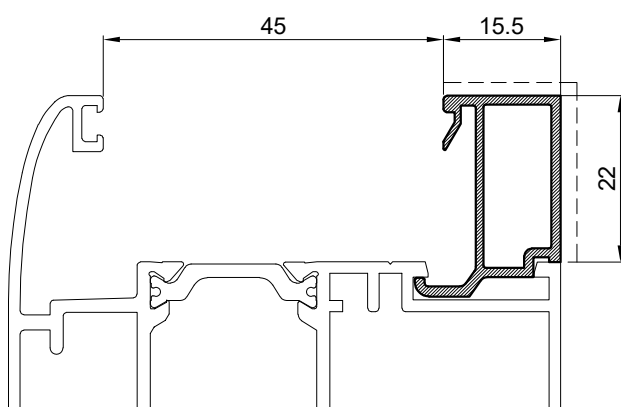
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-646	
Težina Gewicht	kg/m	0.286
Opseg Abwicklung	mm	154
L	mm	6500



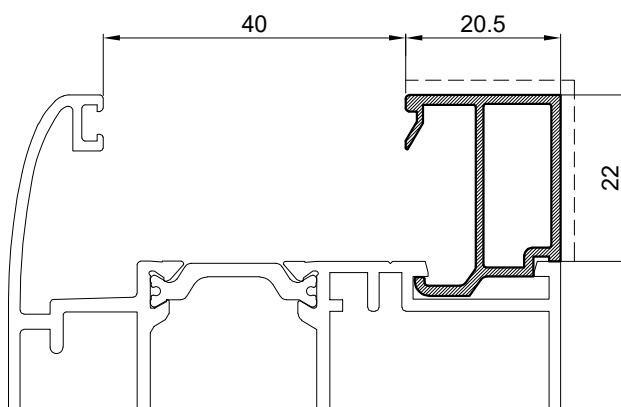
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-653/B	
Težina Gewicht	kg/m	0.356
Opseg Abwicklung	mm	197
L	mm	6500



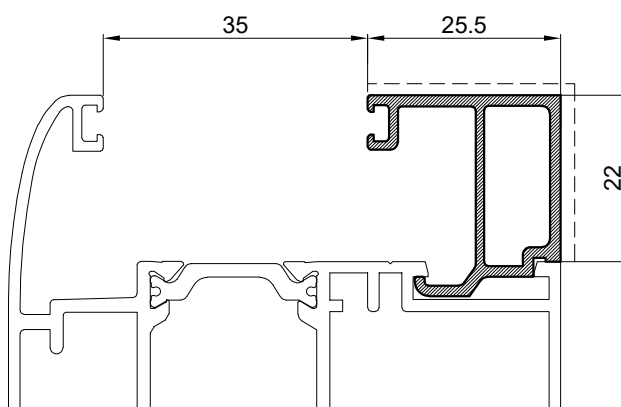
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-664	
Težina Gewicht	kg/m	0.243
Opseg Abwicklung	mm	93
L	mm	6500



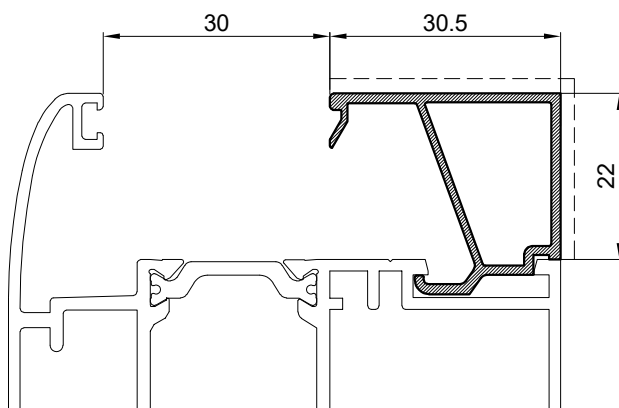
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-665	
Težina Gewicht	kg/m	0.272
Opseg Abwicklung	mm	112
L	mm	6500



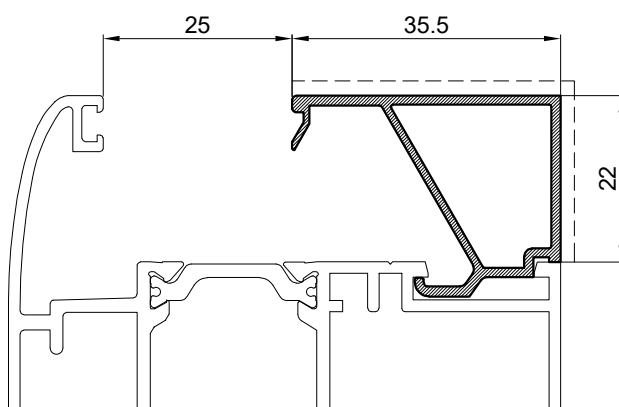
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-666	
Težina Gewicht	kg/m	0.289
Opseg Abwicklung	mm	122
L	mm	6500



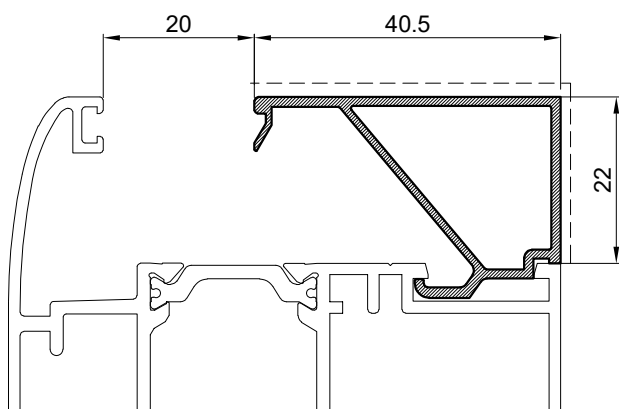
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-667	
Težina Gewicht	kg/m	0.358
Opseg Abwicklung	mm	139
L	mm	6500



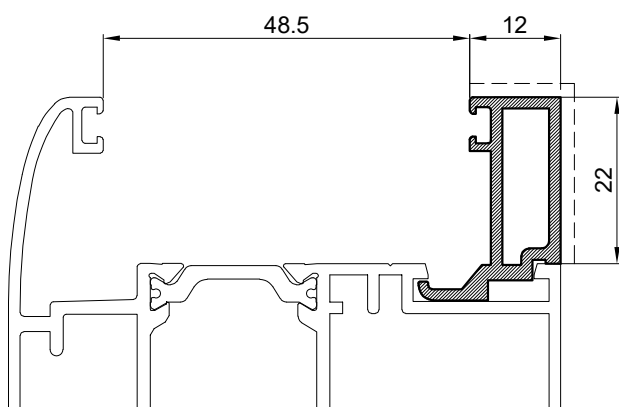
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-668	
Težina Gewicht	kg/m	0.326
Opseg Abwicklung	mm	135
L	mm	6500



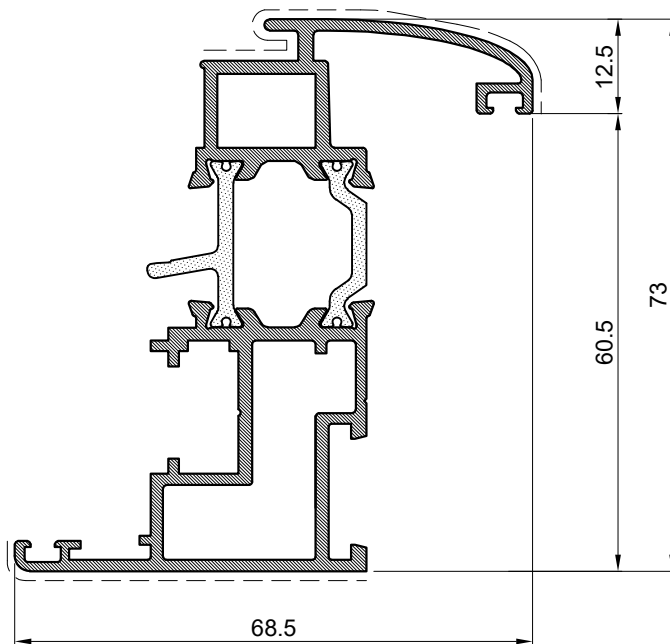
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-669	
Težina Gewicht	kg/m	0.347
Opseg Abwicklung	mm	143
L	mm	6500



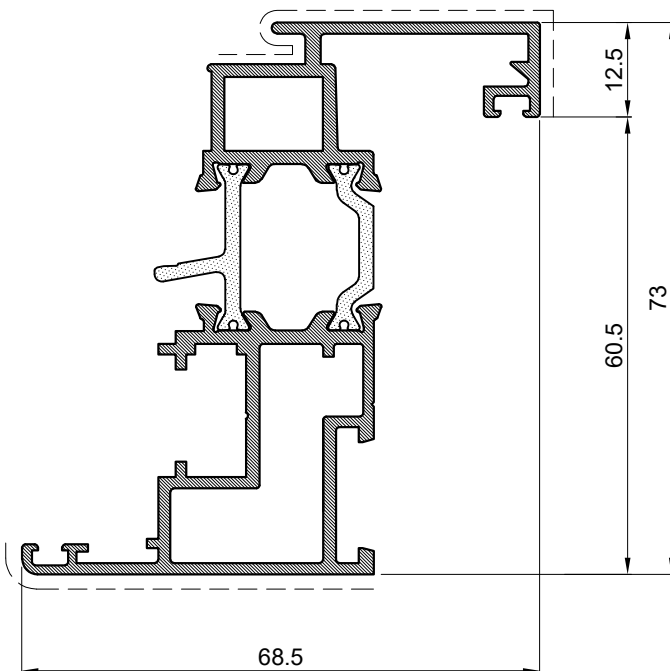
Profil Glasleisten		
Art.Br. Art.Nr.	Z40-670	
Težina Gewicht	kg/m	0.373
Opseg Abwicklung	mm	150
L	mm	6500



Profil Glasleisten		
Art.Br. Art.Nr.	F-0784	
Težina Gewicht	kg/m	0.330
Opseg Abwicklung	mm	105
L	mm	6500

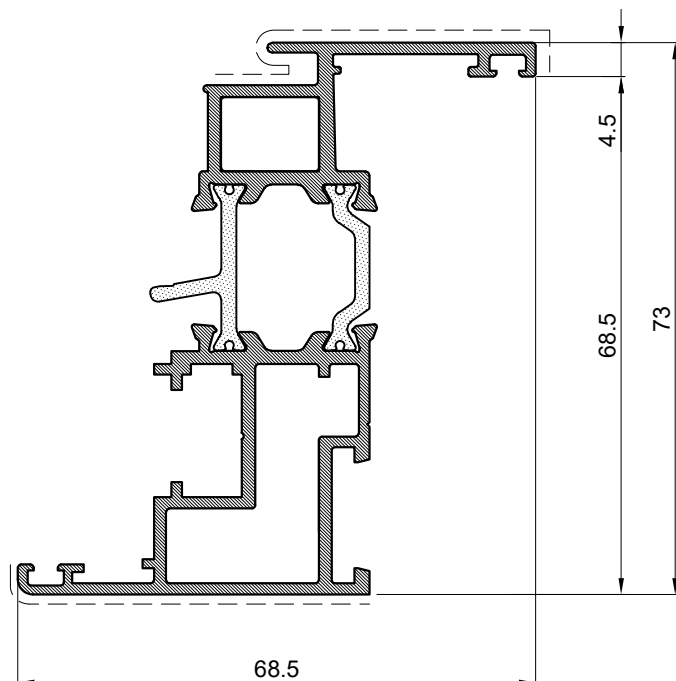


Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-0236	
Težina Gewicht	kg/m	1.517
Opseg Abwicklung	mm	420
Moment inerције Flächen trägheits moment	Ix (cm ⁴)	24.16
	Iy (cm ⁴)	9.06
	Wx (cm ³)	8.57
	Wy (cm ³)	2.59
L	mm	6500



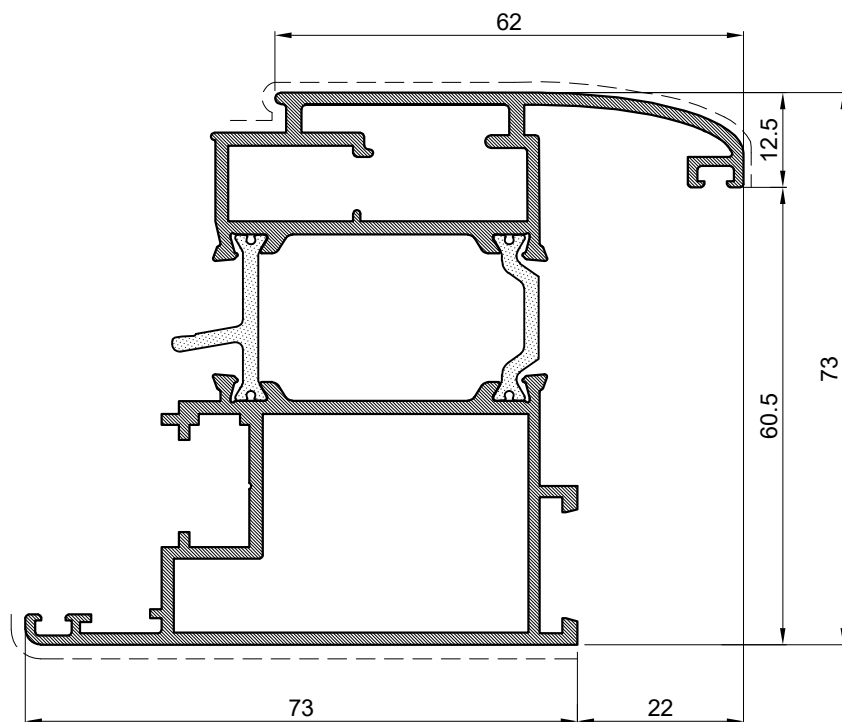
Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-0239	
Težina Gewicht	kg/m	1.543
Opseg Abwicklung	mm	415
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	25.27
	Iy (cm ⁴)	10.24
	Wx (cm ³)	9.17
	Wy (cm ³)	2.87
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

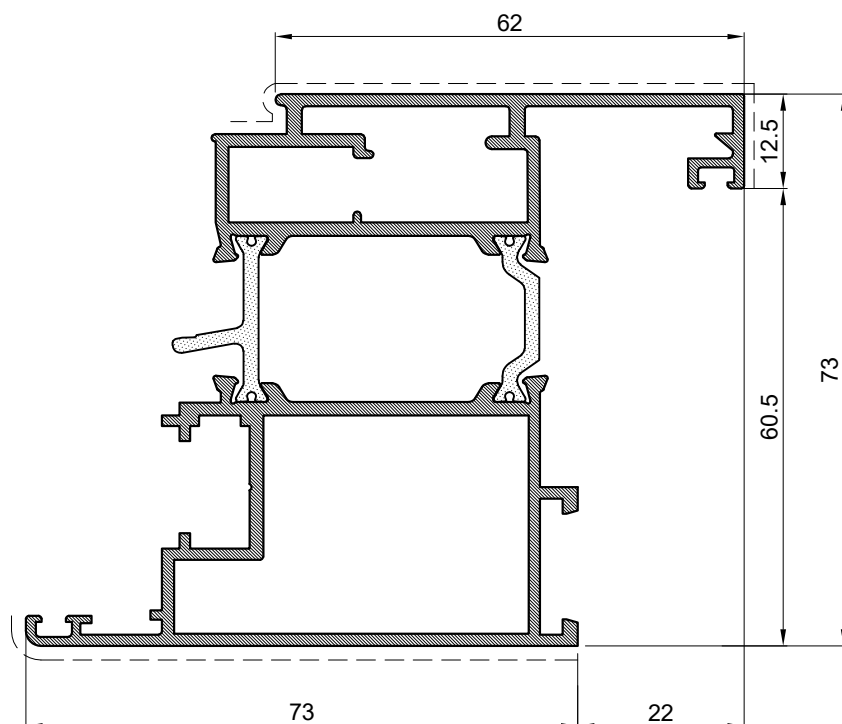


Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-0296	
Težina Gewicht	kg/m	1.496
Opseg Abwicklung	mm	429
Moment inercije Flächen trägheits moment	Ix (cm ⁴)	23.8
	Iy (cm ⁴)	8.23
	Wx (cm ³)	8.55
	Wy (cm ³)	2.38
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

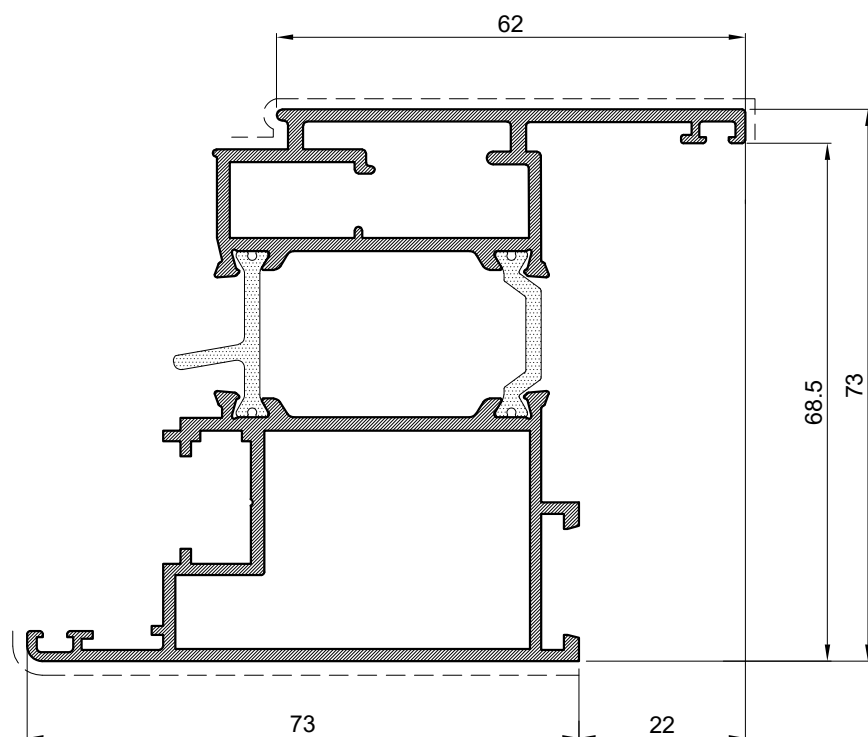


Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-0244	
Težina Gewicht	kg/m	2.016
Opseg Abwicklung	mm	471
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	35.39
	I _y (cm ⁴)	31.4
	W _x (cm ³)	12.39
	W _y (cm ³)	6.56
L	mm	6500



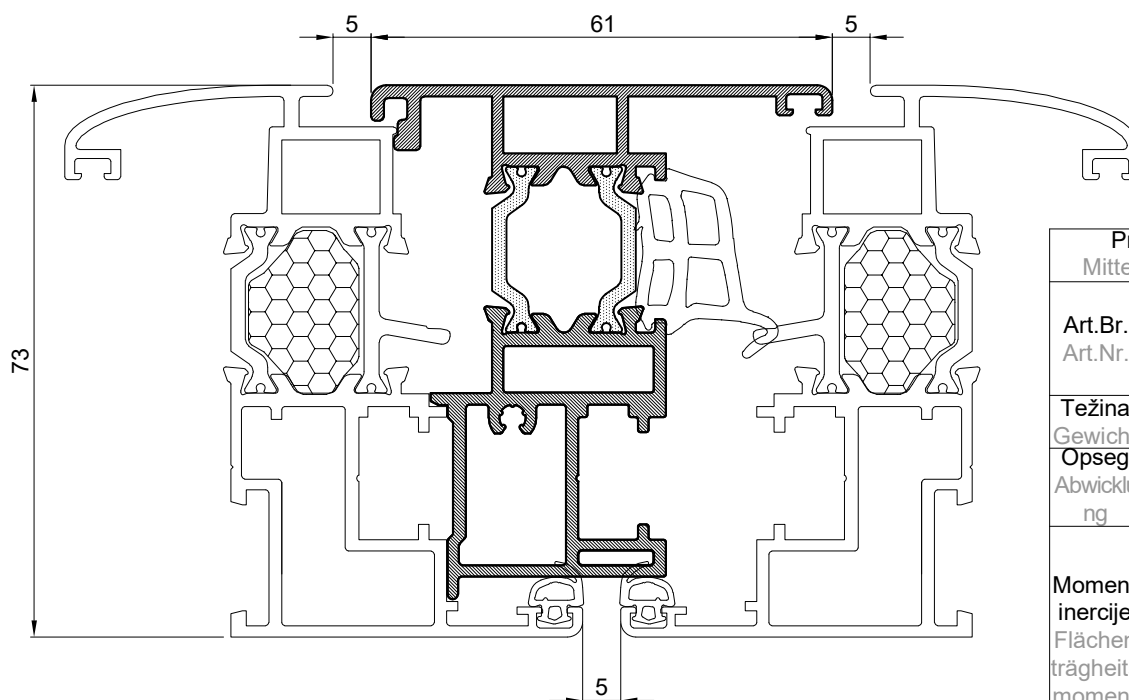
Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-0246	
Težina Gewicht	kg/m	2.046
Opseg Abwicklung	mm	476
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	36.46
	I _y (cm ⁴)	33.81
	W _x (cm ³)	12.59
	W _y (cm ³)	7.06
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN



Profil krila prozora Profil-Fensterflügel		
Art.Br. Art.Nr.	FT-1610	
Težina Gewicht	kg/m	2.005
Opseg Abwicklung	mm	446
Moment inerције Flächen trägheits moment	Ix (cm4)	35.7
	Iy (cm4)	29.46
	Wx (cm3)	12.52
	Wy (cm3)	6.08
L	mm	6500

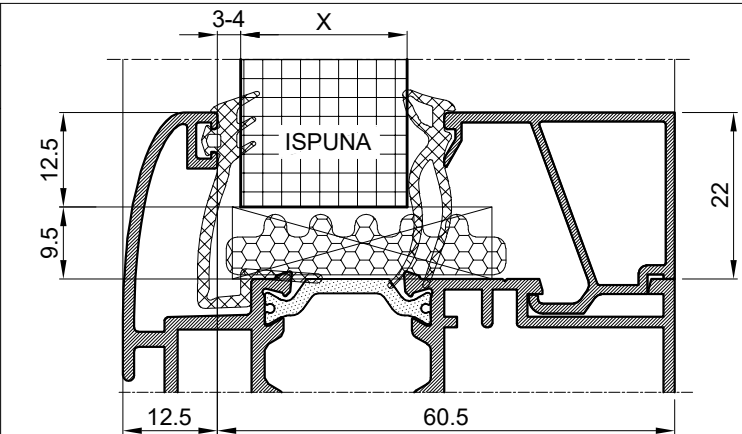
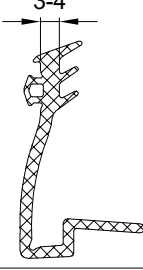
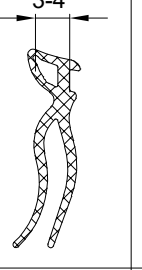
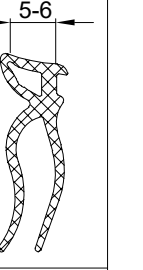
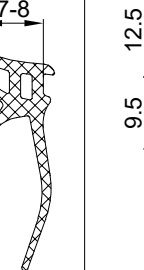
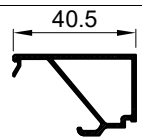
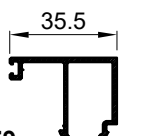
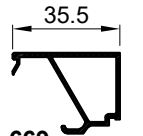
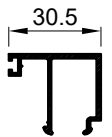
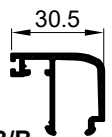
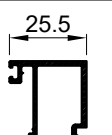
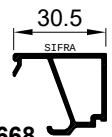
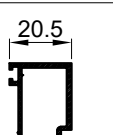
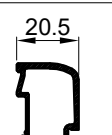
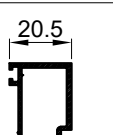
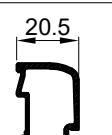
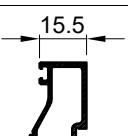
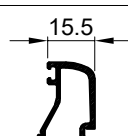
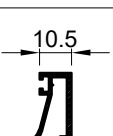
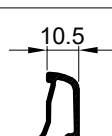
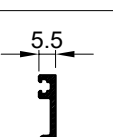
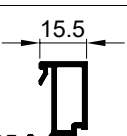
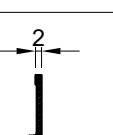
PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F“
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

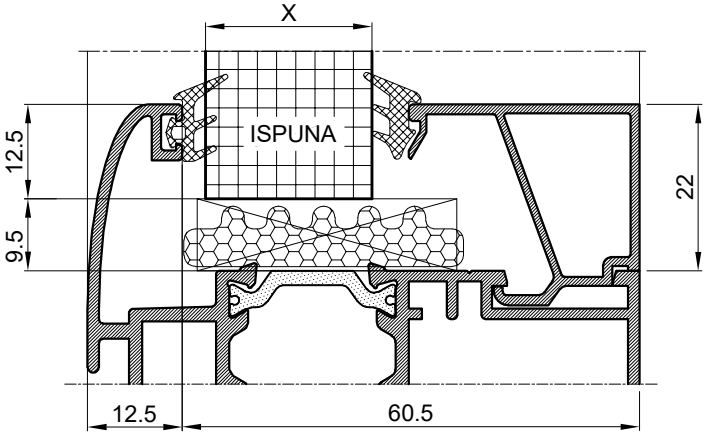
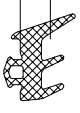
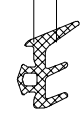
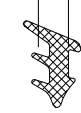
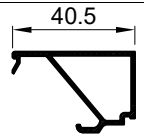
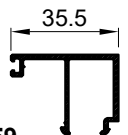
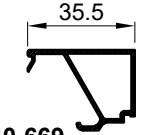
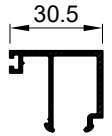
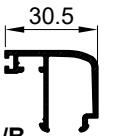
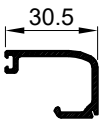
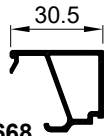
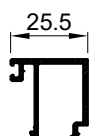
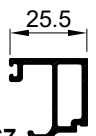
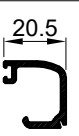
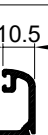


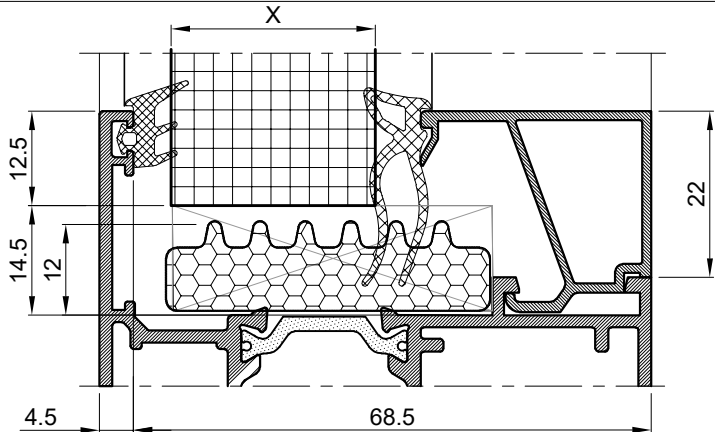
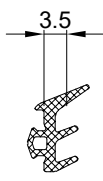
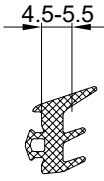
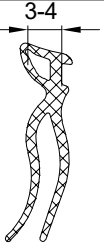
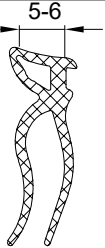
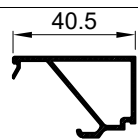
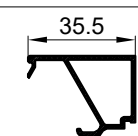
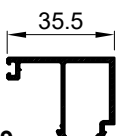
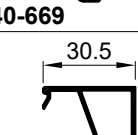
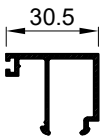
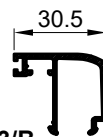
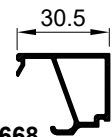
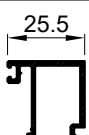
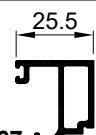
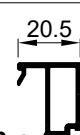
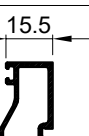
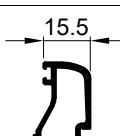
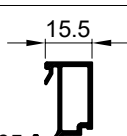
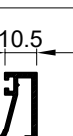
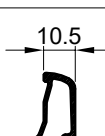
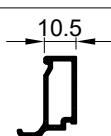
Profil kombatuće Mittelpfosten, fliegend		
Art.Br. Art.Nr.	FT-0237	
Težina Gewicht	kg/m	1.506
Opseg Abwicklung	mm	350
Moment inercije Flächen trägheits moment	I _x (cm ⁴)	19.69
	I _y (cm ⁴)	7.33
	W _x (cm ³)	6.91
	W _y (cm ³)	2.07
L	mm	6500

PROFIL SA XPS ISPUNOM U NAZIVU IMA NASTAVAK „F”
PROFIL MIT XPS-FÜLLUNG HAT EINEN "F"-NAMEN

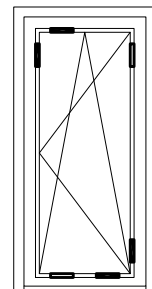
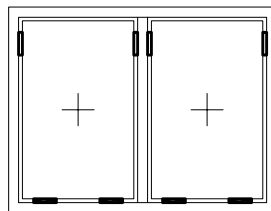
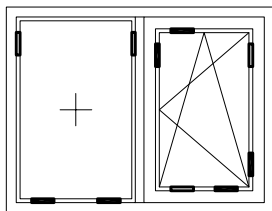
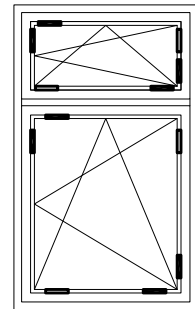
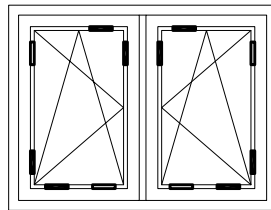
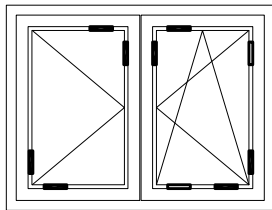
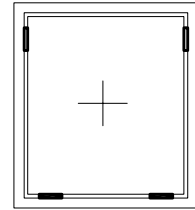
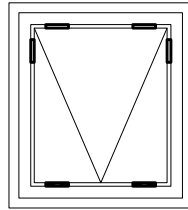
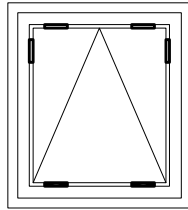
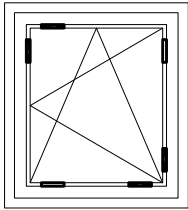
Prikaz stakljenja Verglasung

Vanjska brtva Verglasungsdicht.		Unutarnje brtve Verglasungsdichtungen, innen				
321.004	311.003	311.004	311.005			
						
Ispuna X Füllungs- dicke X	Vanjska brtva Verglasungs- dichtungen, außen	Unutar. brtva Verglasungs- dichtungen, innen	LAJSNE ZA STAKLO GLASLEISTEN			
9	321.004	311.005				
10-11	321.004	311.004				
12-13	321.004	311.003				
14	321.004	311.005				
15-16	321.004	311.004				
17-18	321.004	311.003				
19	321.004	311.005				
20-21	321.004	311.004				
22-23	321.004	311.003				
24	321.004	311.005				
25-26	321.004	311.004				
27-28	321.004	311.003				
29	321.004	311.005				
30-31	321.004	311.004				
32-33	321.004	311.003				
34	321.004	311.005				
35-36	321.004	311.004				
37-38	321.004	311.003				
39	321.004	311.005				
40-41	321.004	311.004				
42-43	321.004	311.003				
44	321.004	311.005				
45-46	321.004	311.004				
47-48	321.004	311.003				
49-50	321.004	311.004				
51	321.004	311.003				
						

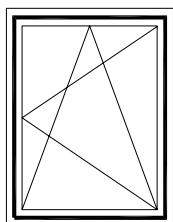
Vanjska brtva Verglasungsdicht.		Unutarnja brtva Verglasungsdichtungen, innen				
321.003 (Z113)	321.002 (Z111)	311.002 (918)				
4.5-5.5	3.5	3.5-4.5				
						
Ispuna X Füllungs dicke X	Vanjska brtva Verglasungsdichtungen, außen	Unutar. brtva Verglasungsdichtungen, innen	LAJSNE ZA STAKLO GLASLEISTEN			
10-11	321.003	311.002				
12	321.002	311.002				Z40-670
15-16	321.003	311.002				
17	321.002	311.002	Z40-659			Z40-669
20-21	321.003	311.002				
22	321.002	311.002	Z40-653	Z40-653/B	Z40-661	Z40-668
25-26	321.003	311.002				
27	321.002	311.002	Z40-658			Z40-667
30-31	321.003	311.002				
32	321.002	311.002	Z40-644	Z40-646	Z40-648	Z40-666
35-36	321.003	311.002				
37	321.002	311.002	M45-709	M45-740	Z40-662	Z40-665
40-41	321.003	311.002				
42	321.002	311.002	Z40-636	Z40-647	Z40-649	Z40-664
45-46	321.003	311.002				
47	321.002	311.002	Z40-656			
49-50	321.003	311.002				
51	321.002	311.002	Z40-660			

Vanjske brtve Verglasungsdicht.s		Unutarnje brtve Verglasungsdichtungen,innen				
321.002 (Z111)	311.003 (Z113)	311.003	311.004			
				LAJSNE ZA STAKLO GLASLEISTEN		
Ispuna X Füllungs dicke X	Vanjska brtva Verglasungs dichtungen, außen	Unutar. brtva Verglasungs dichtungen, innen				
17-18	321.003	311.004				
19-20	321.002	311.004				
21	321.002	311.003				
22-23	321.003	311.004				
24-25	321.002	311.004				
26	321.002	311.003				
27-28	321.003	311.004				
29-30	321.002	311.004				
31	321.002	311.003				
32-33	321.003	311.004				
34-35	321.002	311.004				
36	321.002	311.003				
37-38	321.003	311.004				
39-40	321.002	311.004				
41	321.002	311.003				
42-43	321.003	311.004				
44-45	321.002	311.004				
46	321.002	311.003				
47-48	321.003	311.004				
49-50	321.002	311.004				
51	321.002	311.003				
52-53	321.003	311.004				
54-55	321.002	311.004				
56	321.002	311.003				
69-70	321.002	311.004				
59	321.002	311.003				

PREPORUKE ZA RASPORED PODMETAČA KOD UGRADNJE ELEMENATA ZA ISPUNU EMPFEHLUNG FÜR EINBAU DER VERGLASUNGSUNTERLAGE



-  nosivi podmetač
Unterstützung Verglasungsunterlage
-  odstojni podmetač
Distanz
Verglasungsunterlage
- Materijal podmetača: PVC
Material von Verglasungsunterlage PVC

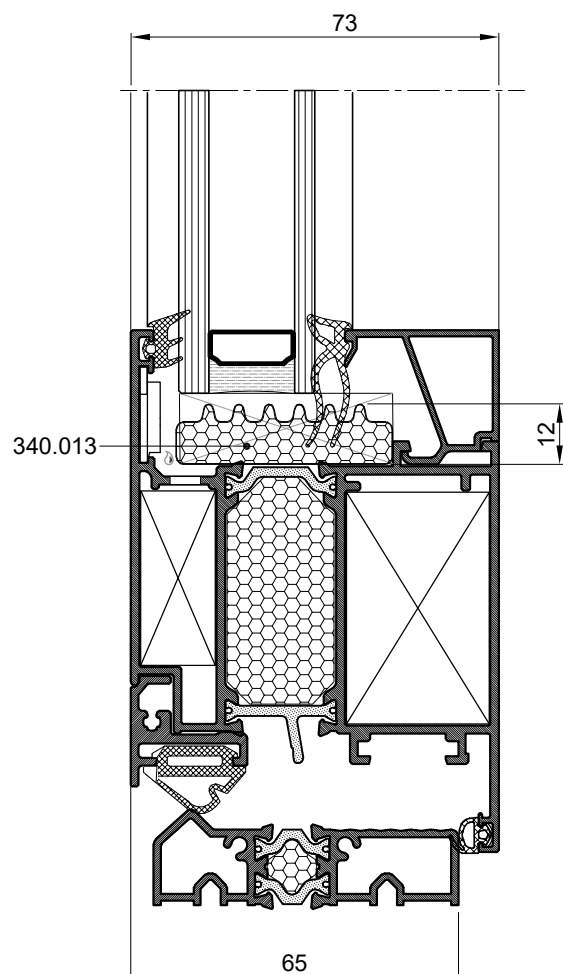
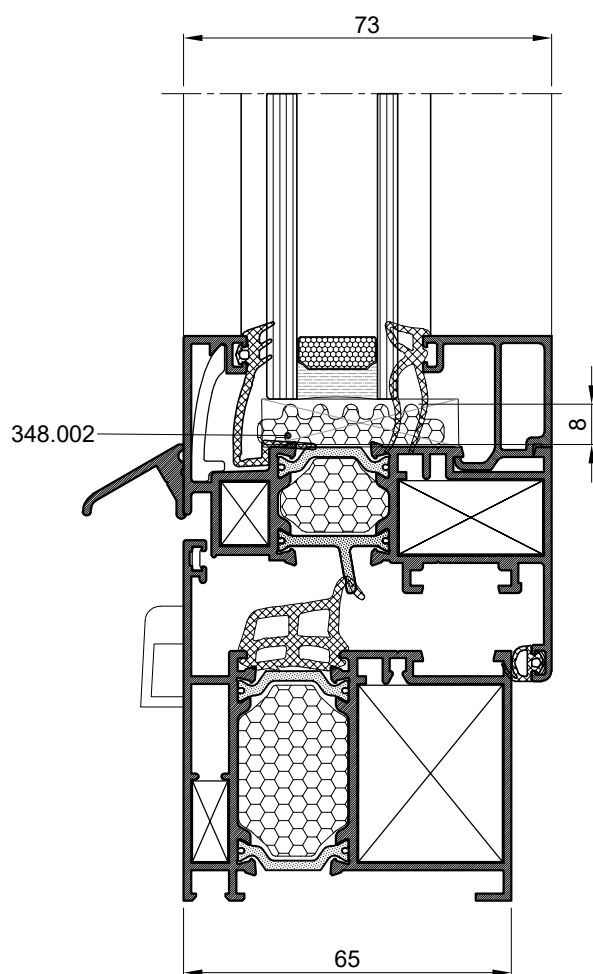


ISPUNA OKO STAKLA

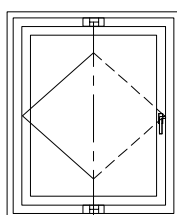
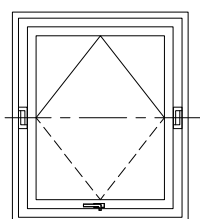
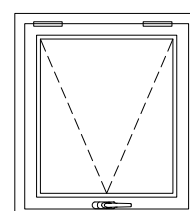
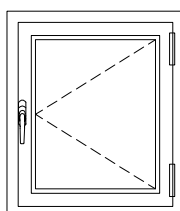
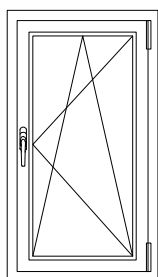
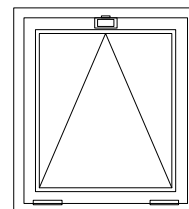
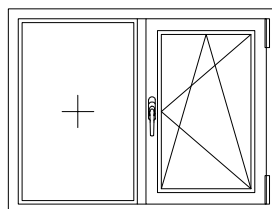
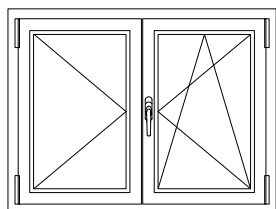
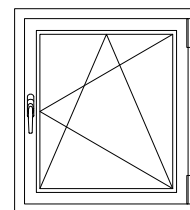
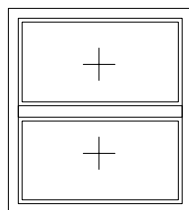
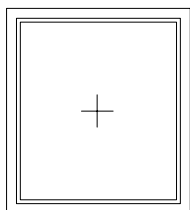
-Radi povećanja toplinskih svojstava, u prostor oko stakla se umeću profilirane trake, debljine 8 mm i 12 mm, od termoizolacionog materijala XPE - $\lambda=0.038 \text{ W/m}^2\text{K}$

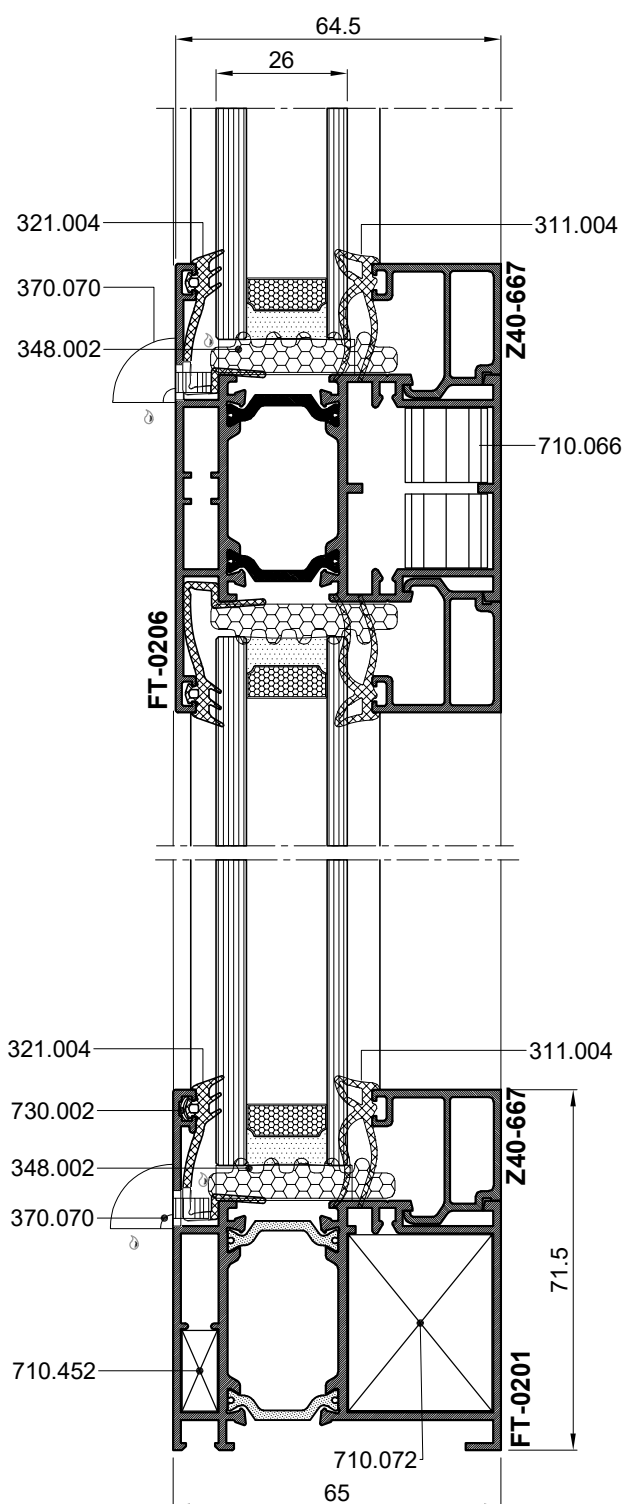
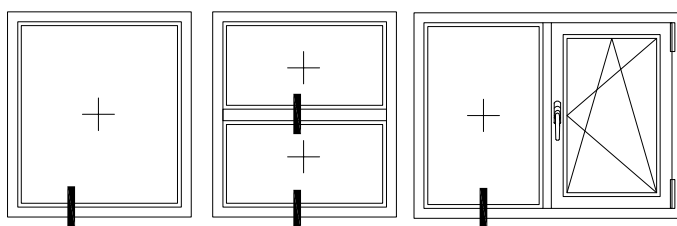
GLASFALZDÄMMUNG

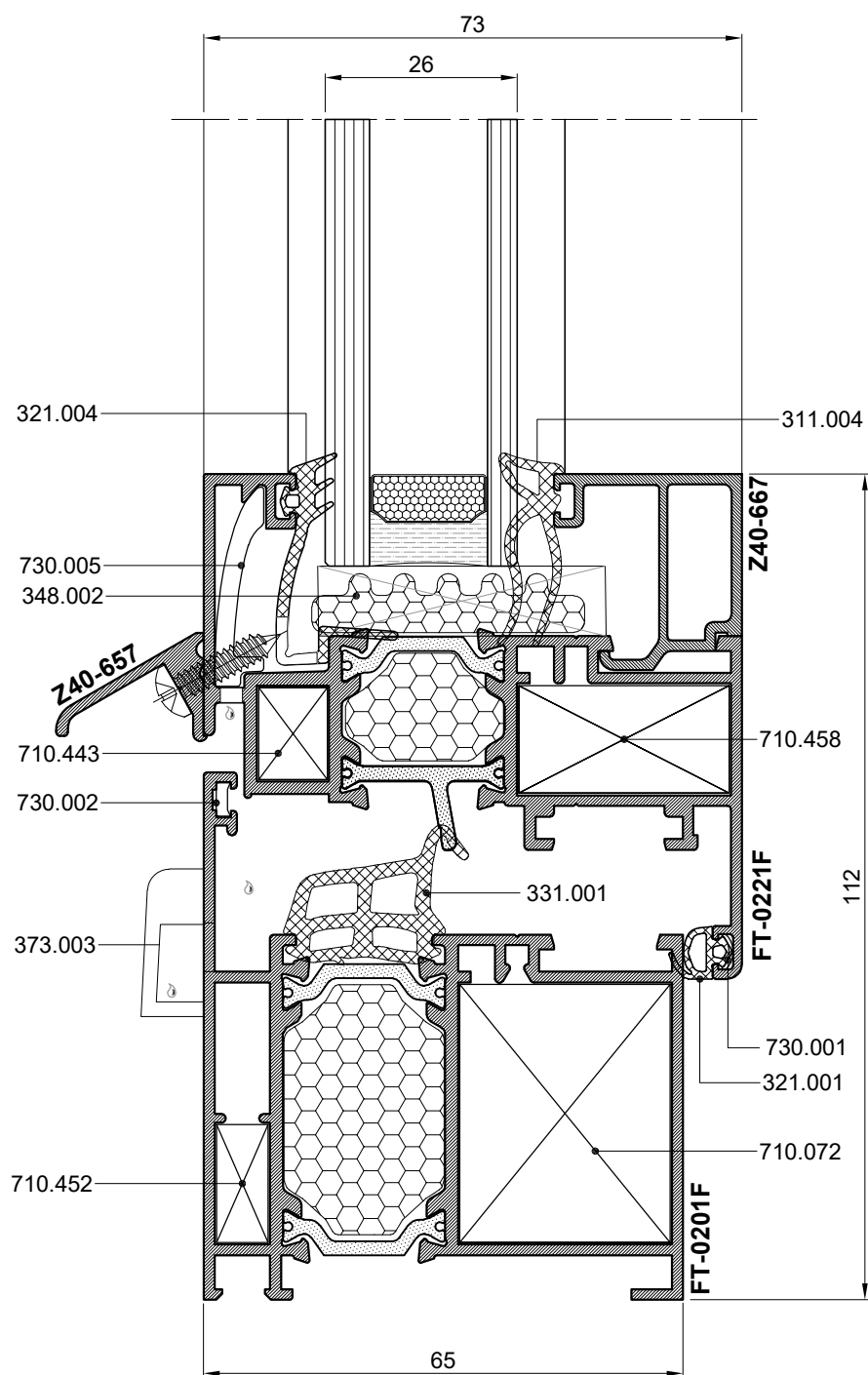
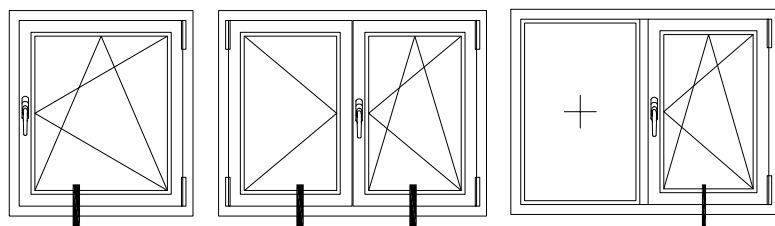
-Zur Erhöhung der thermischen Eigenschaften, in den Bereich um das Glas werden Profileisen eingelegt, Dicke 8 mm und 12 mm, aus wärmeisolierendem Material XPE - $\lambda = 0.038 \text{ W / m}^2\text{K}$

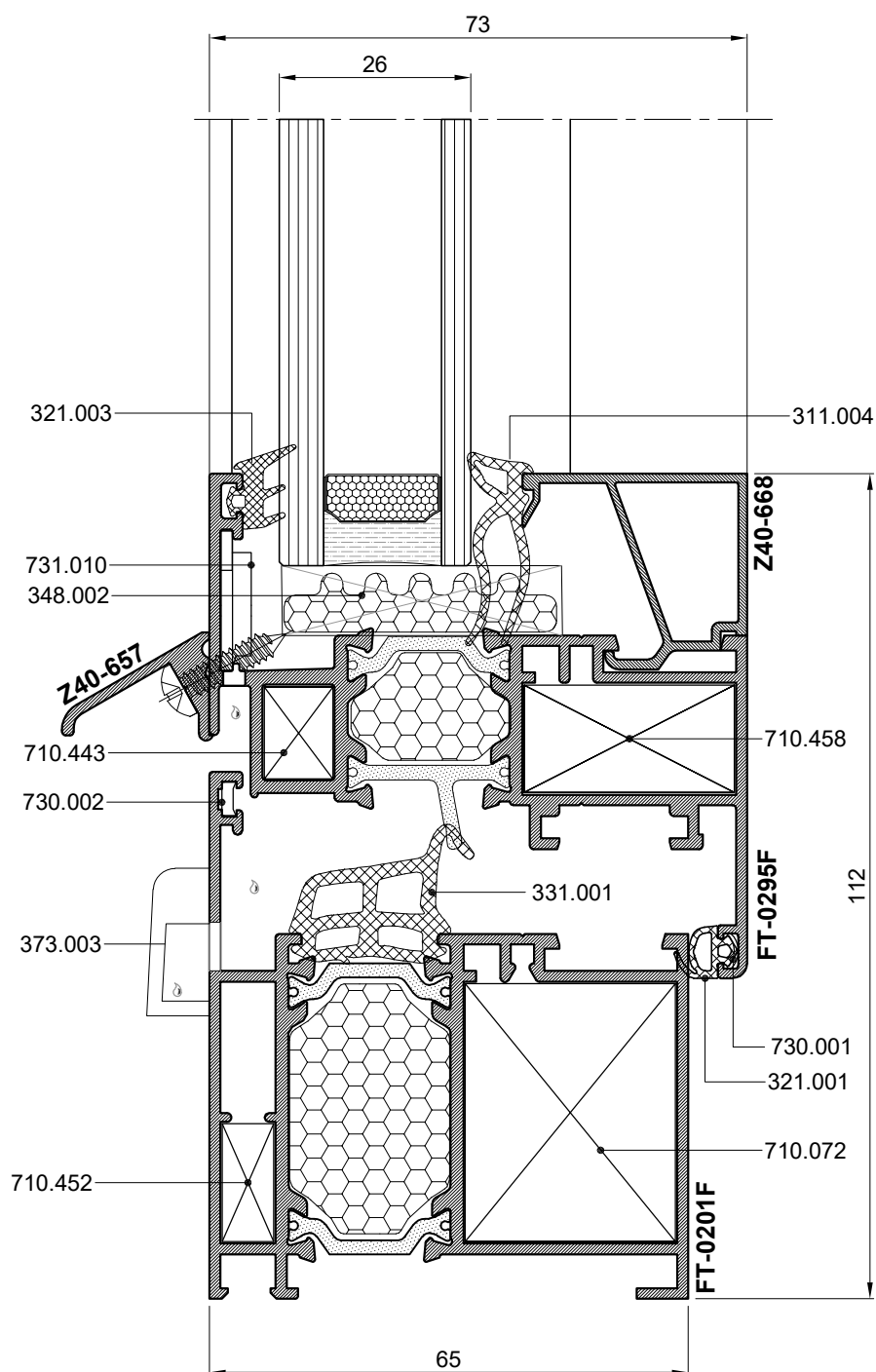
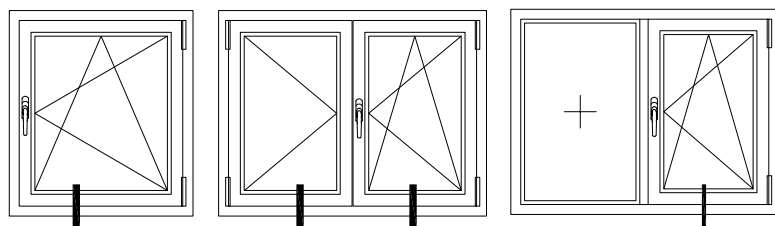


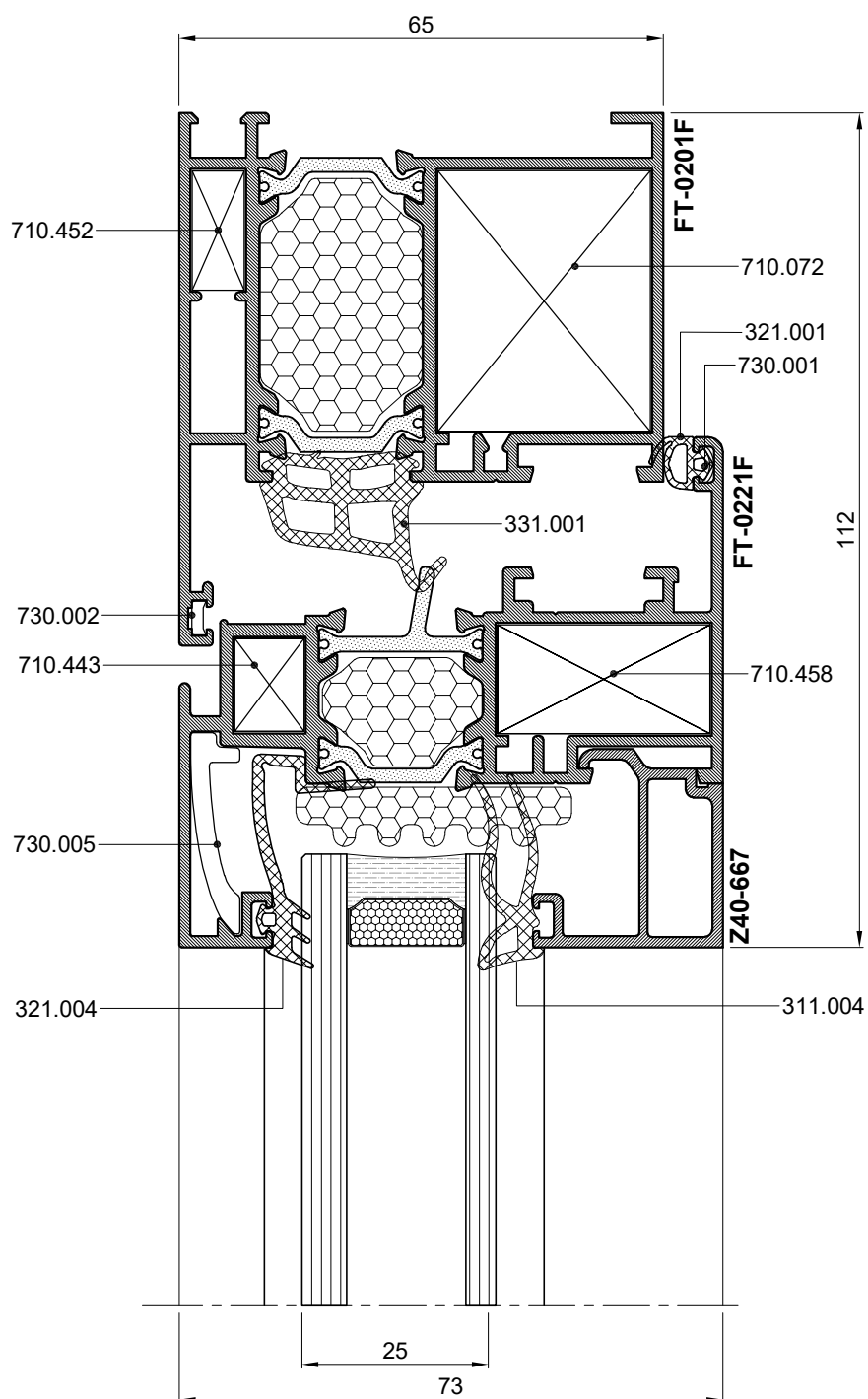
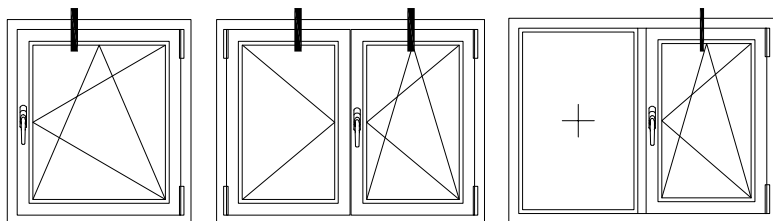
Presjeci Profilschnitte

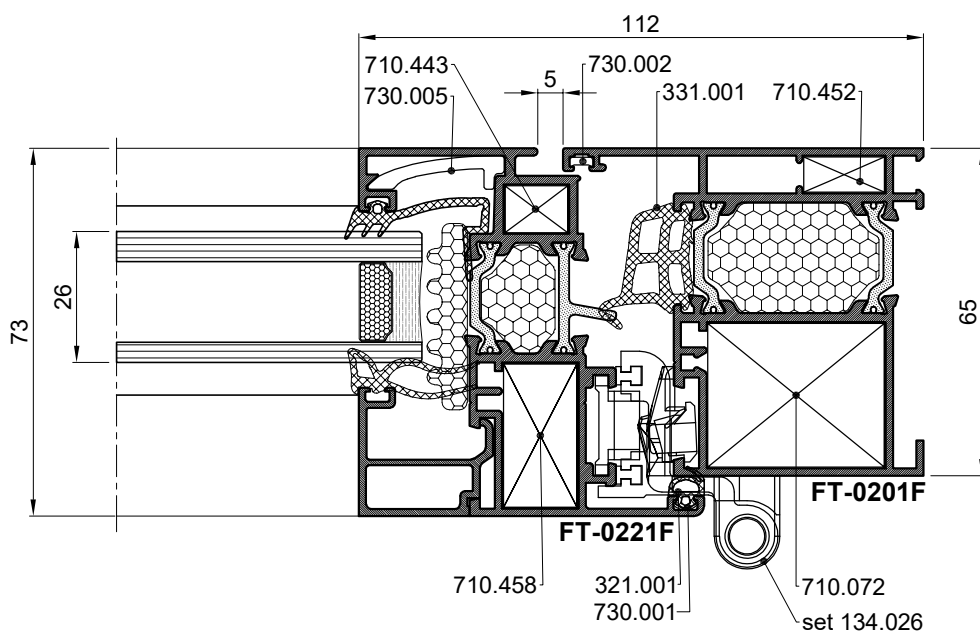
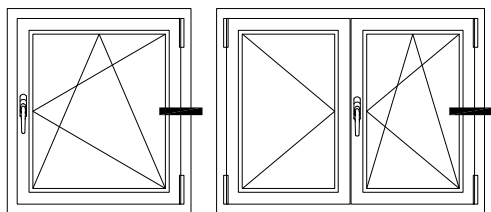




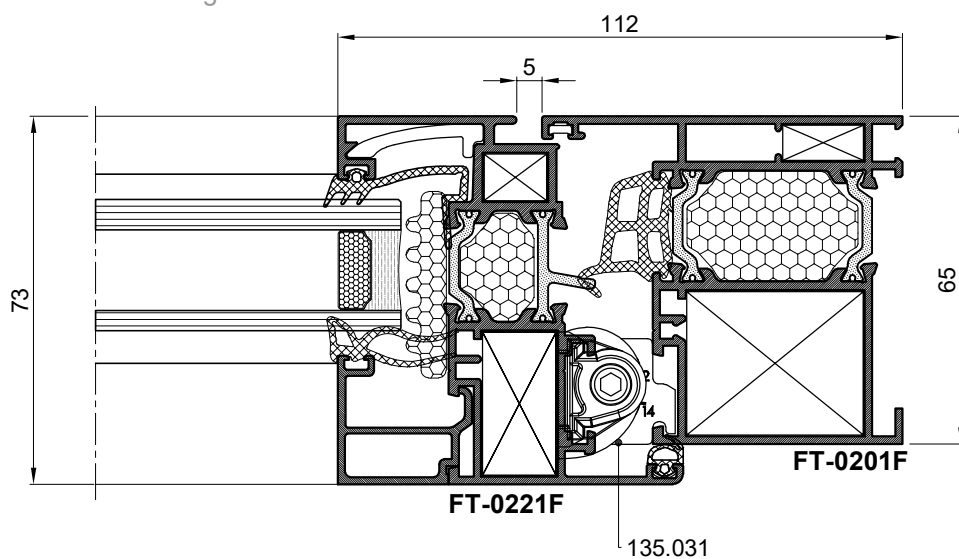


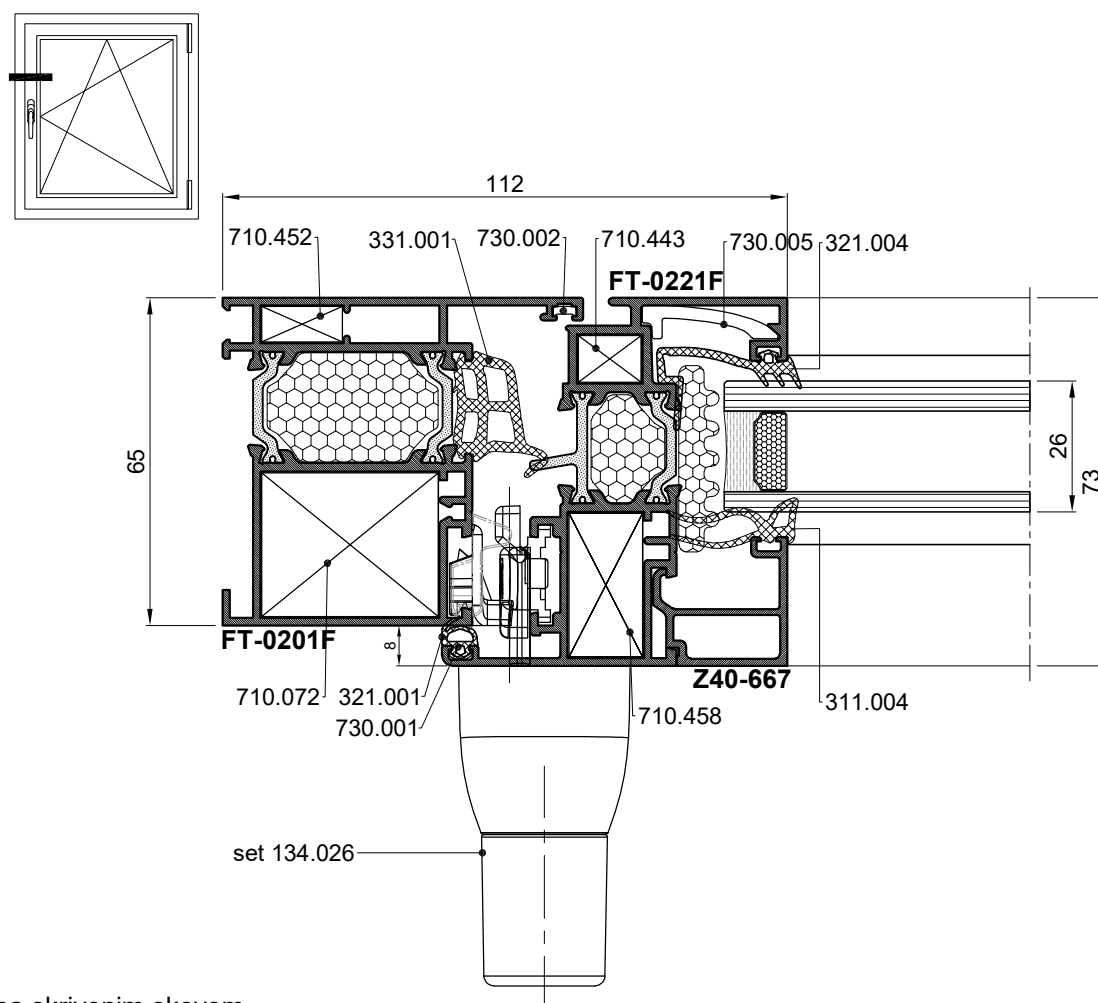




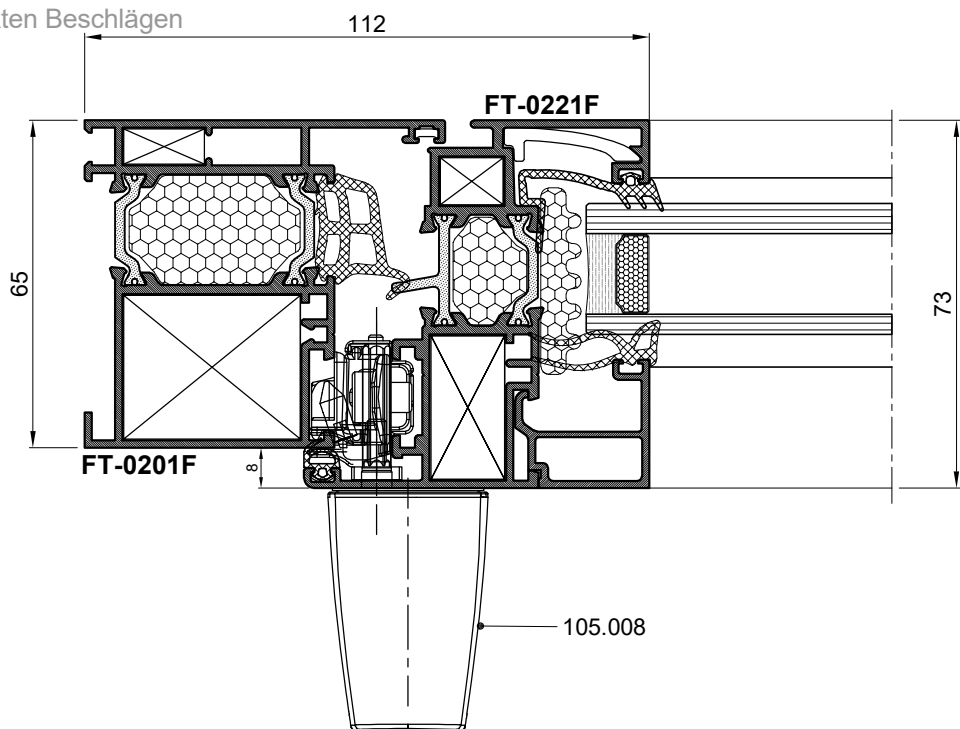


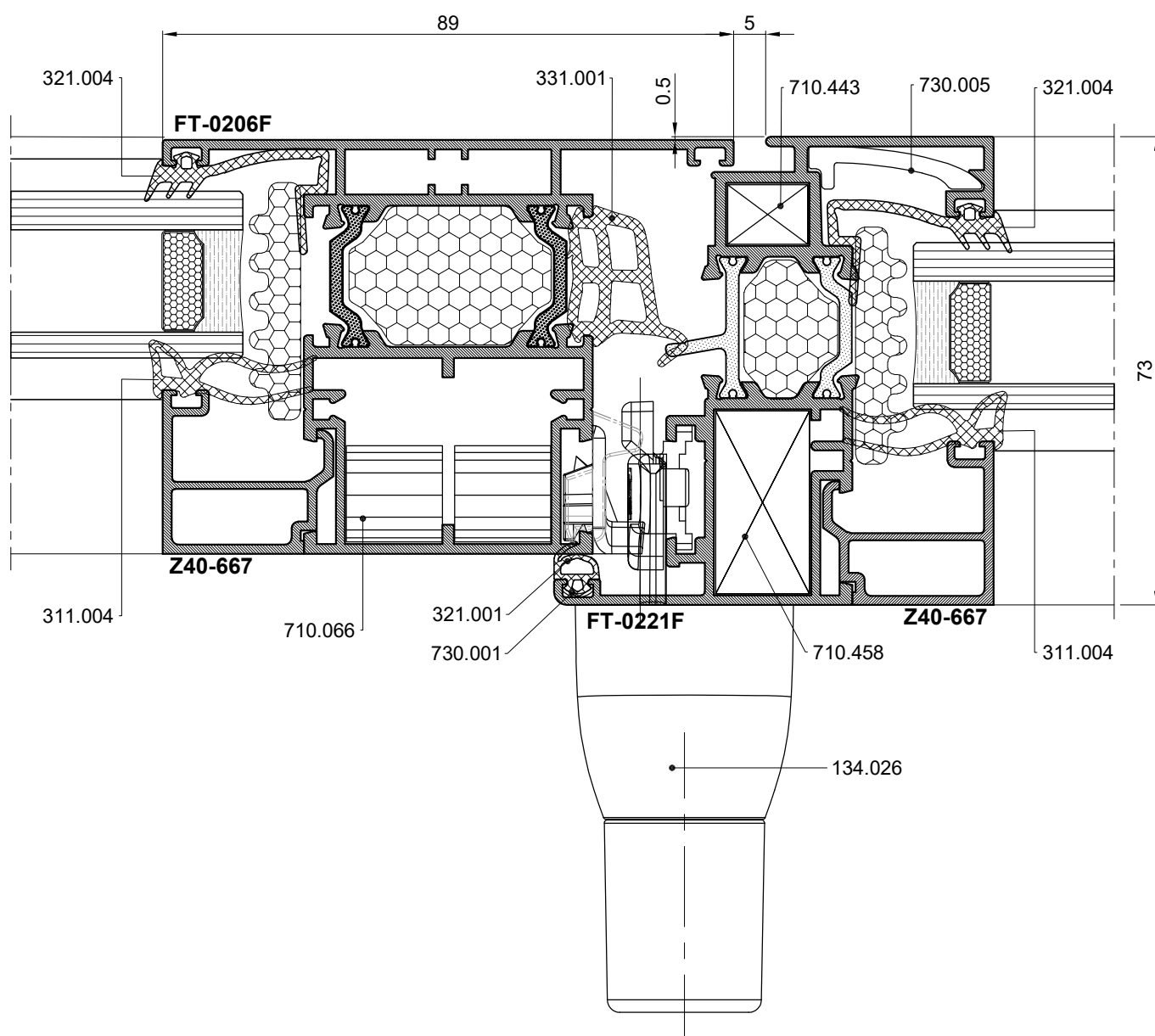
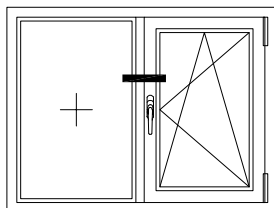
Detalj sa skrivenim okovom
Detail mit versteckten Beschlägen

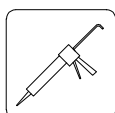
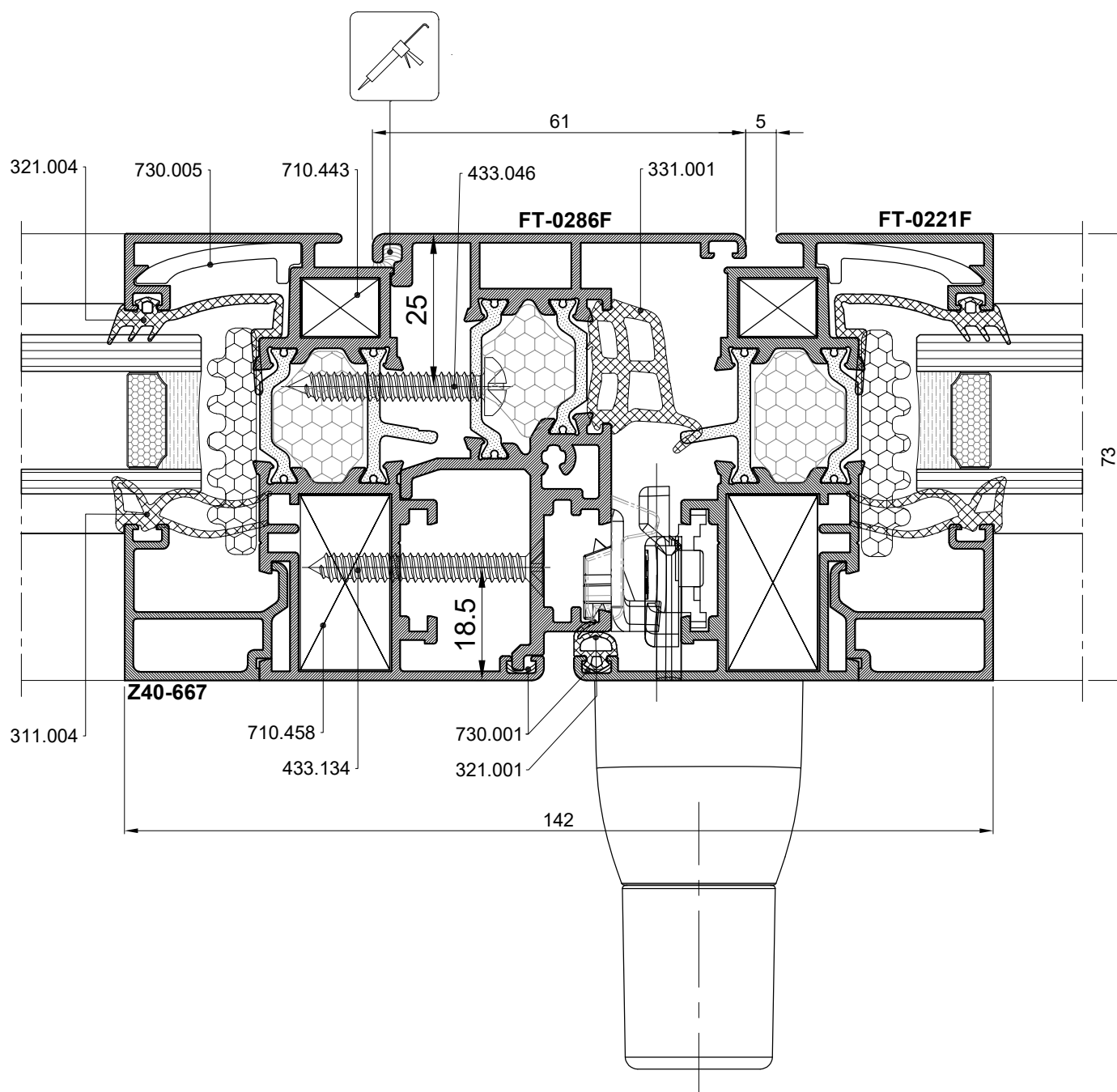
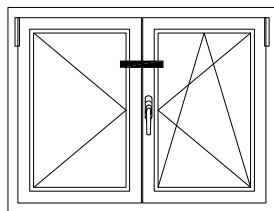




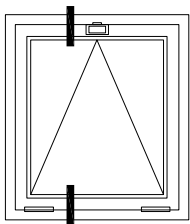
Detalj sa skrivenim okovom
Detail mit versteckten Beschlägen



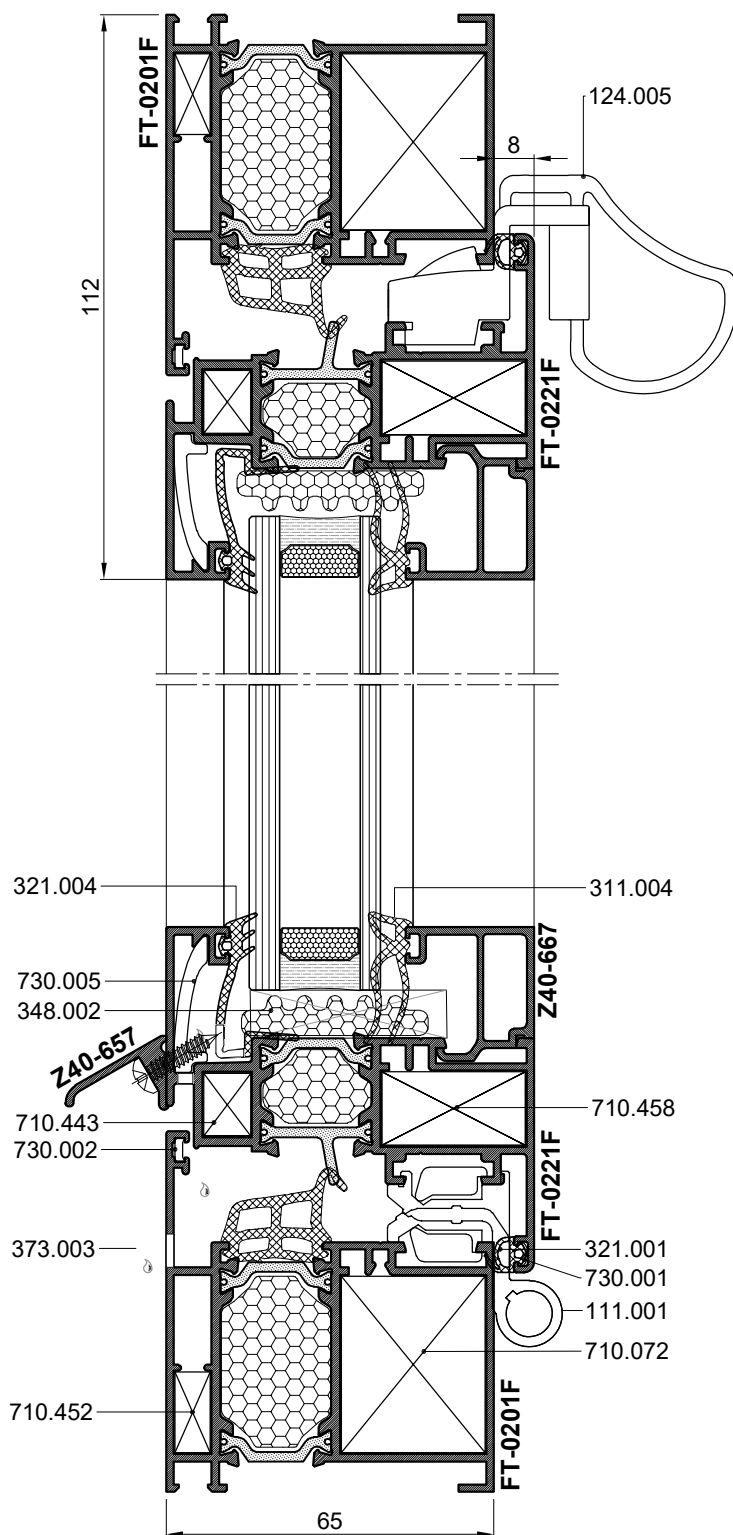


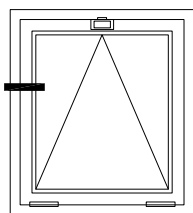


ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

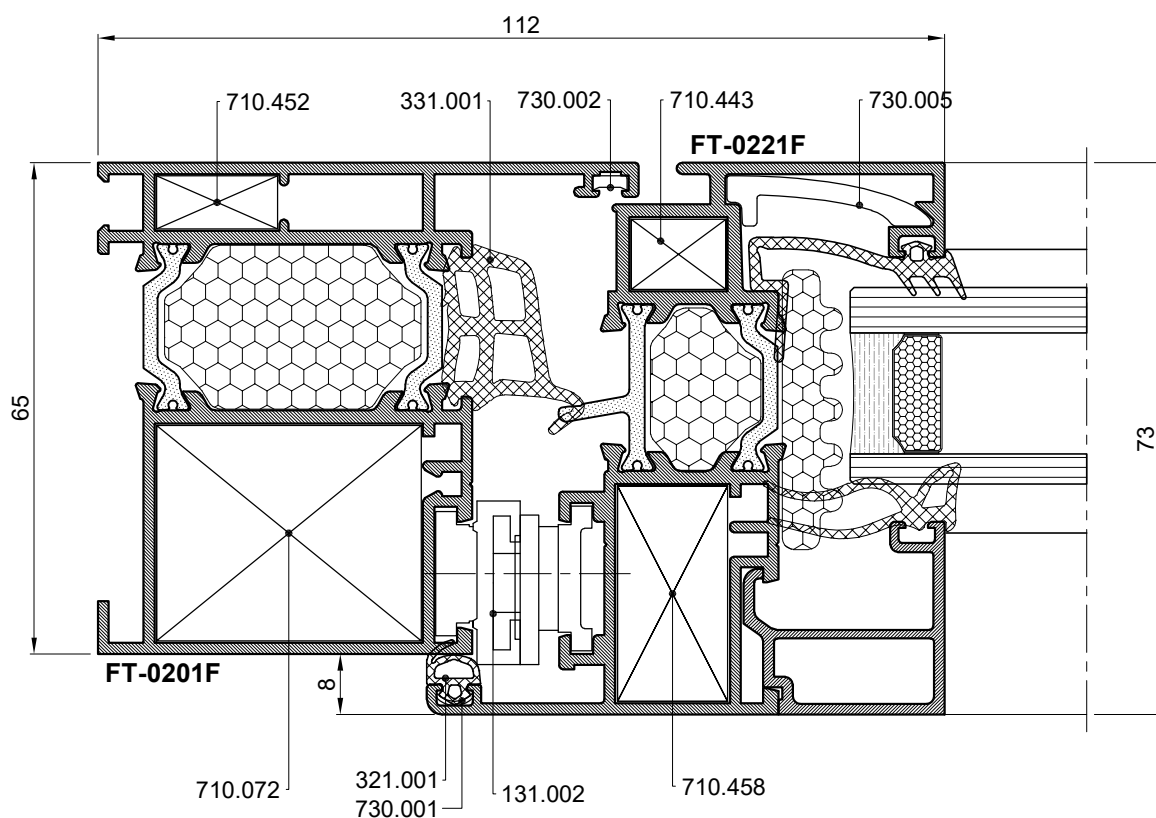


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
KIPPFENSTER / OBERLICHT
Getriebeverschluss - (124.005) Kippschere (131.002)

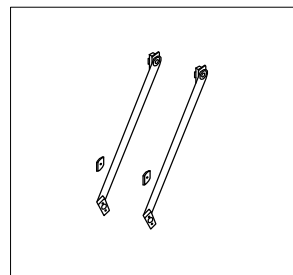


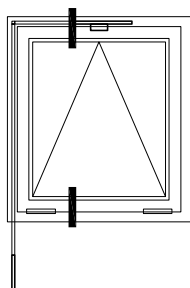


OTKLOPNI PROZOR - VENTUS
sa bravicom za zatvaranje (124.005) i škarama (131.002)
KIPPFENSTER / OBERLICHT
Getriebeverschluss - (124.005) kippschere (131.002)

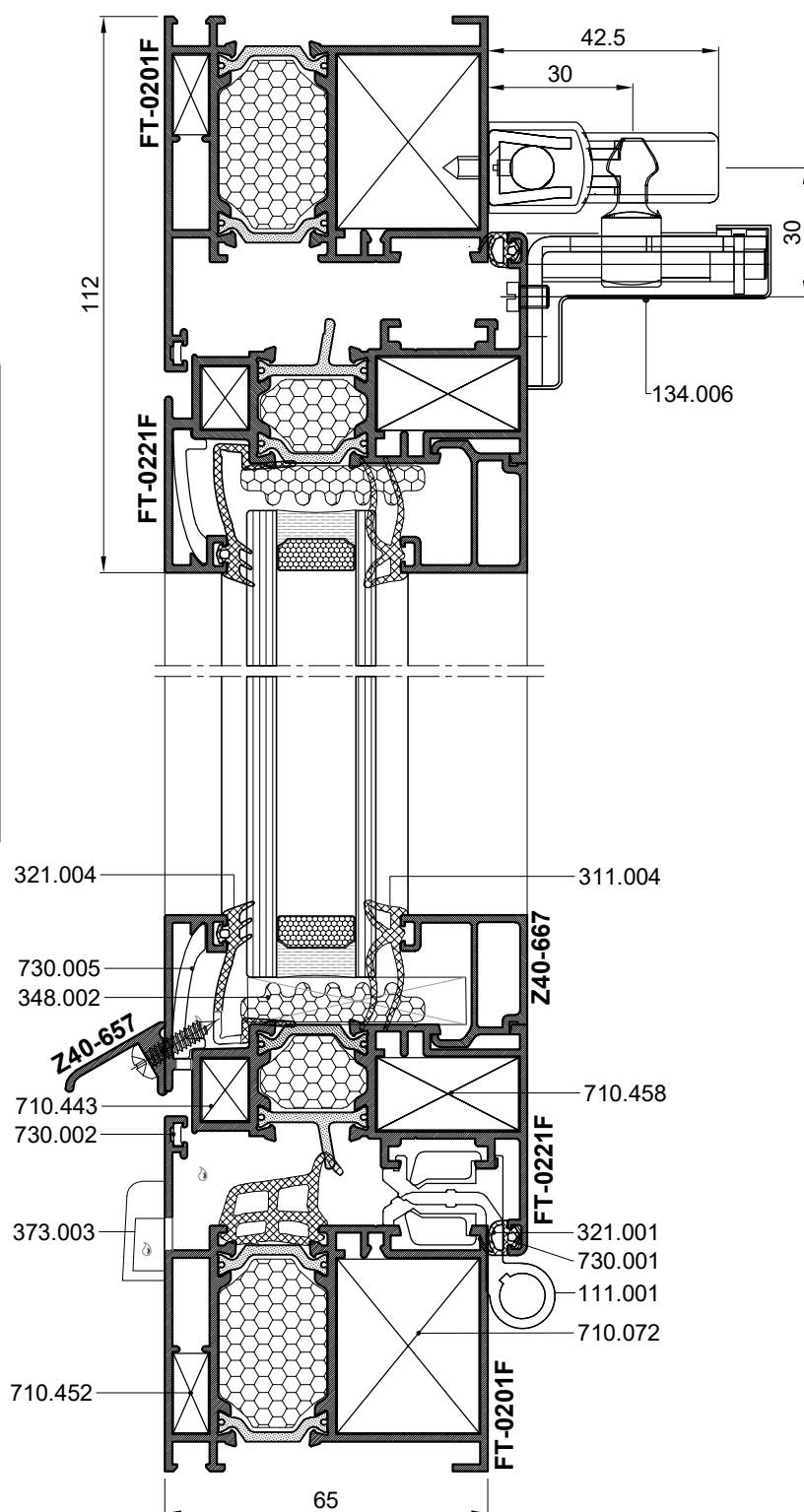
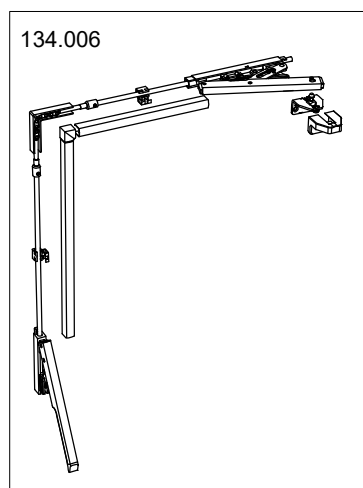


131.002



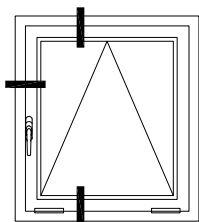


OTKLOPNI PROZOR - VENTUS sa ručkom za visinu (134.006)
KIPPFENSTER / OBERLICHT Oberlichtöffner (134.006)

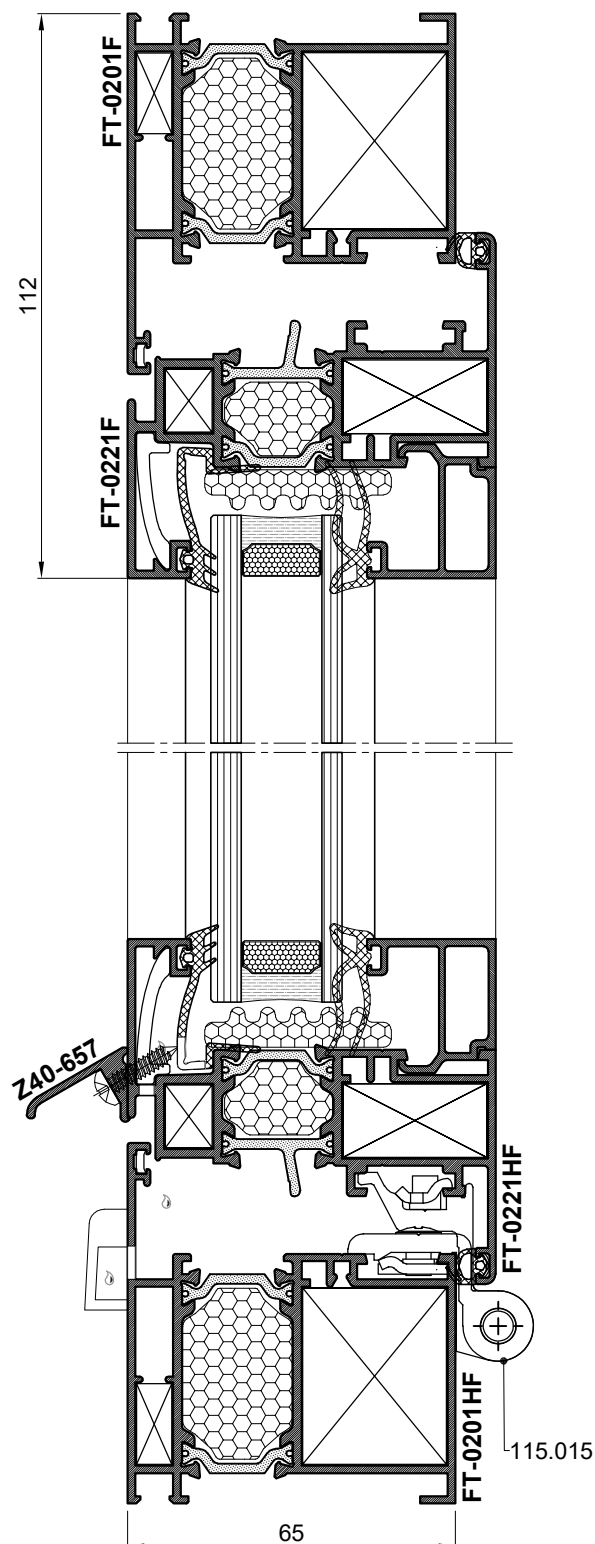
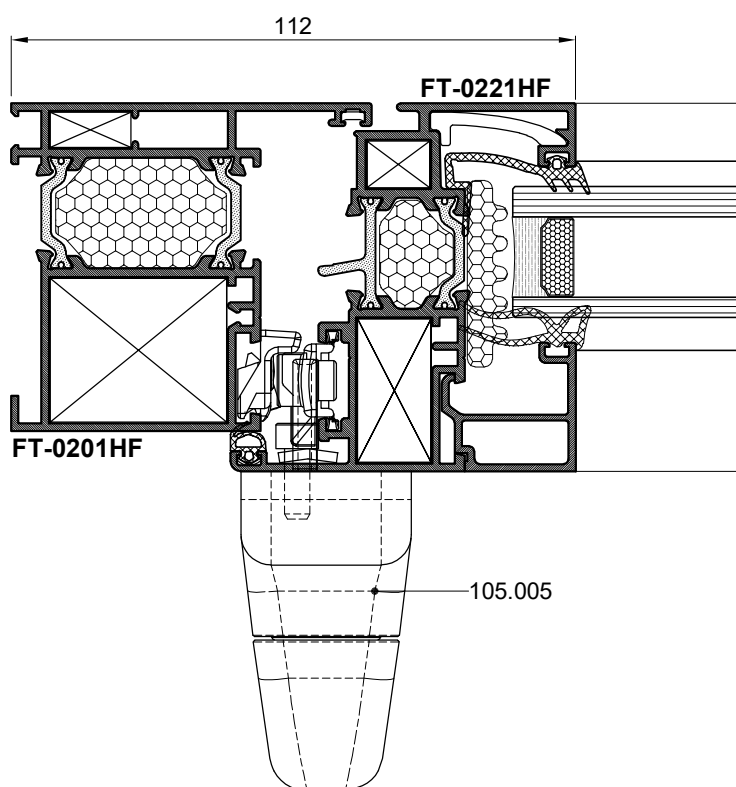
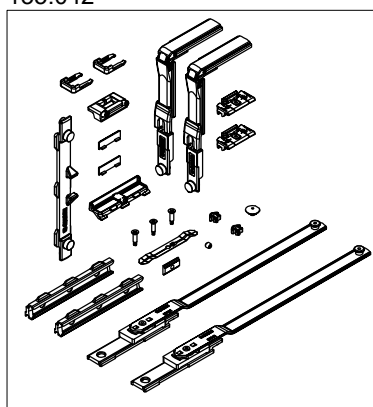


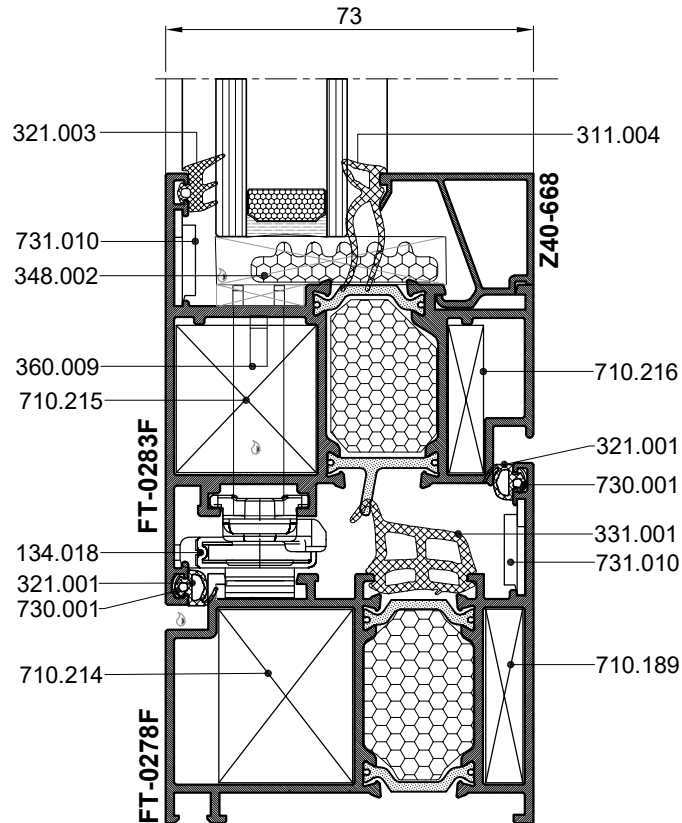
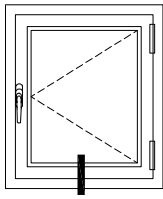
OTKLOPNI PROZOR - VENTUS sa ručkom na okomici (135.042)

KIPPFENSTER / OBERLICHT mit Griff auf vertikalen Fenstersprosse (135.042)



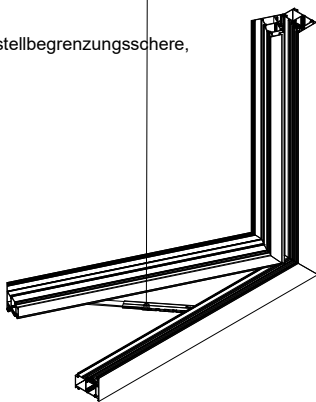
135.042





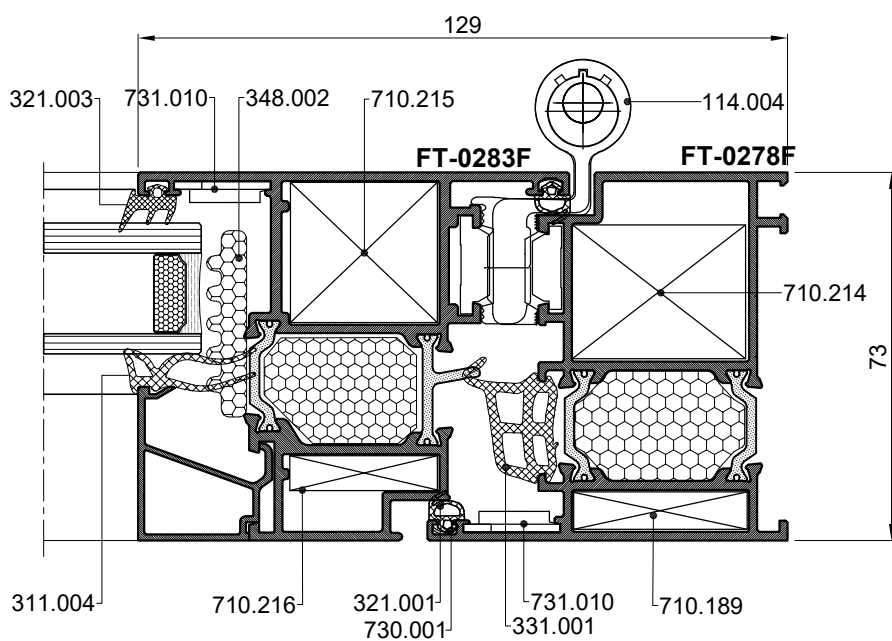
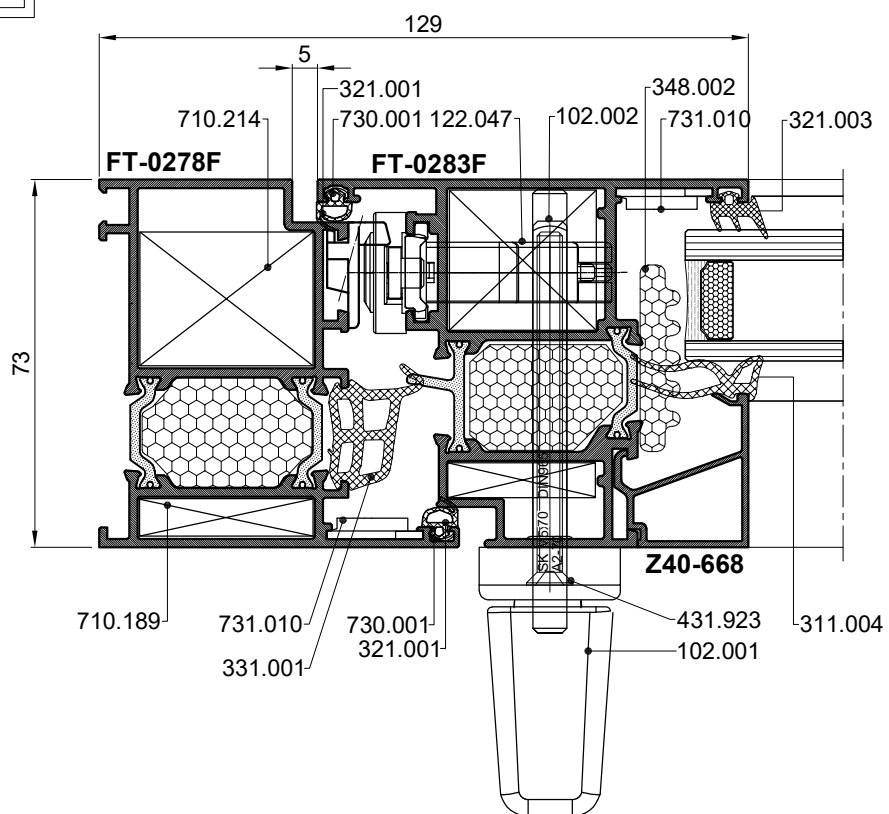
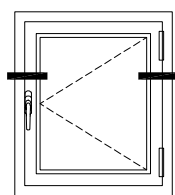
134.018
teleskopske škare, graničnik otvaranja
Scheren, Ausstellbegrenzungsschere,

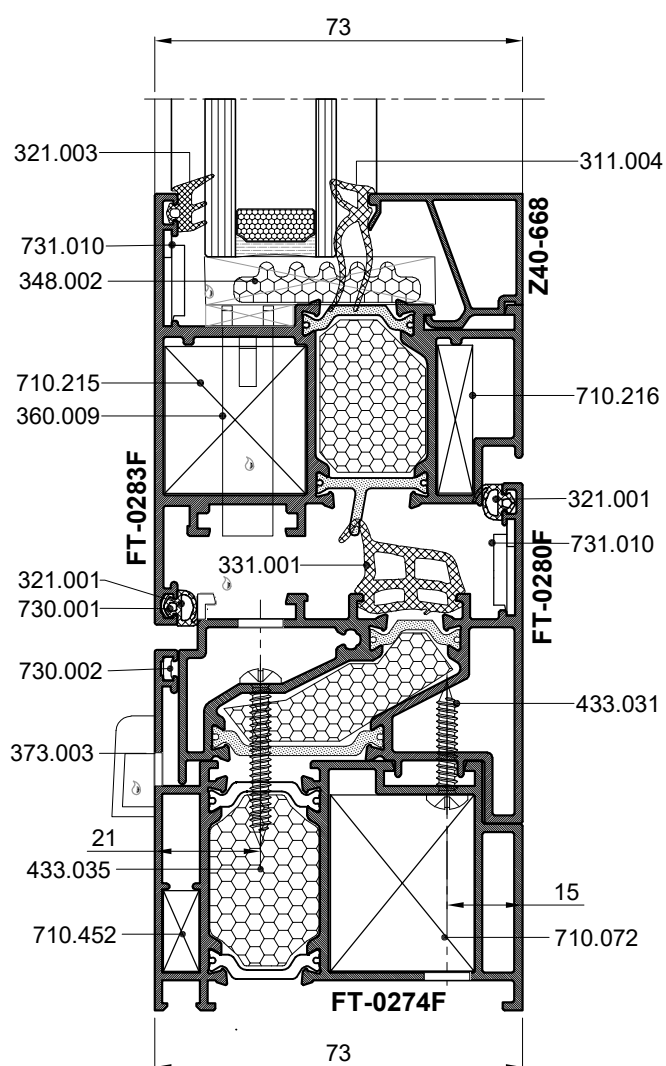
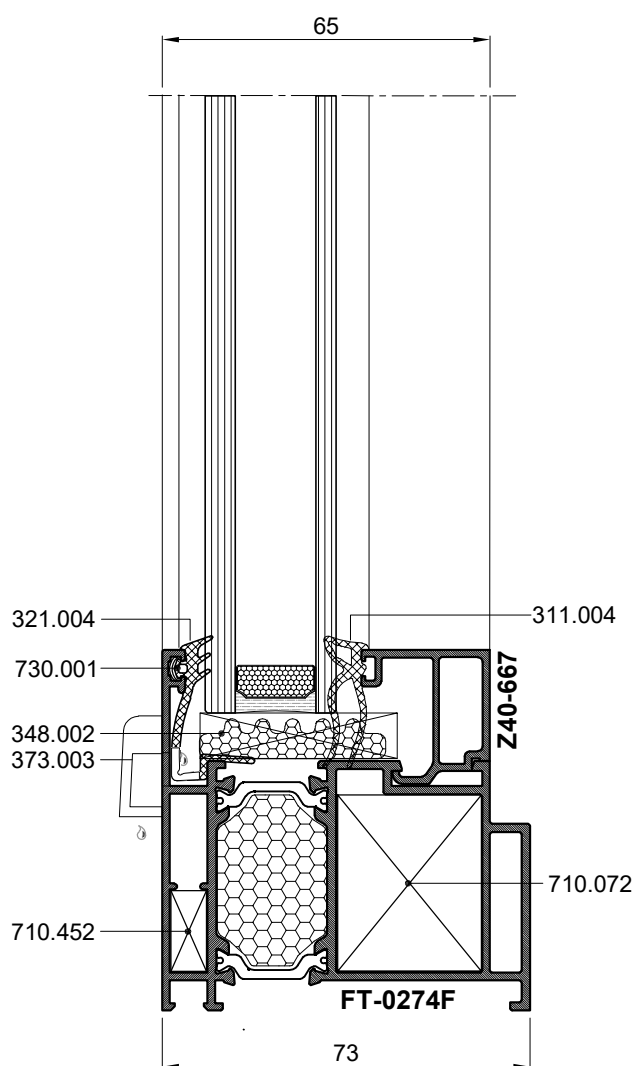
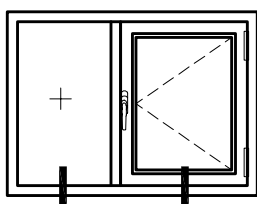
Ausstellbegrenzungsschere,

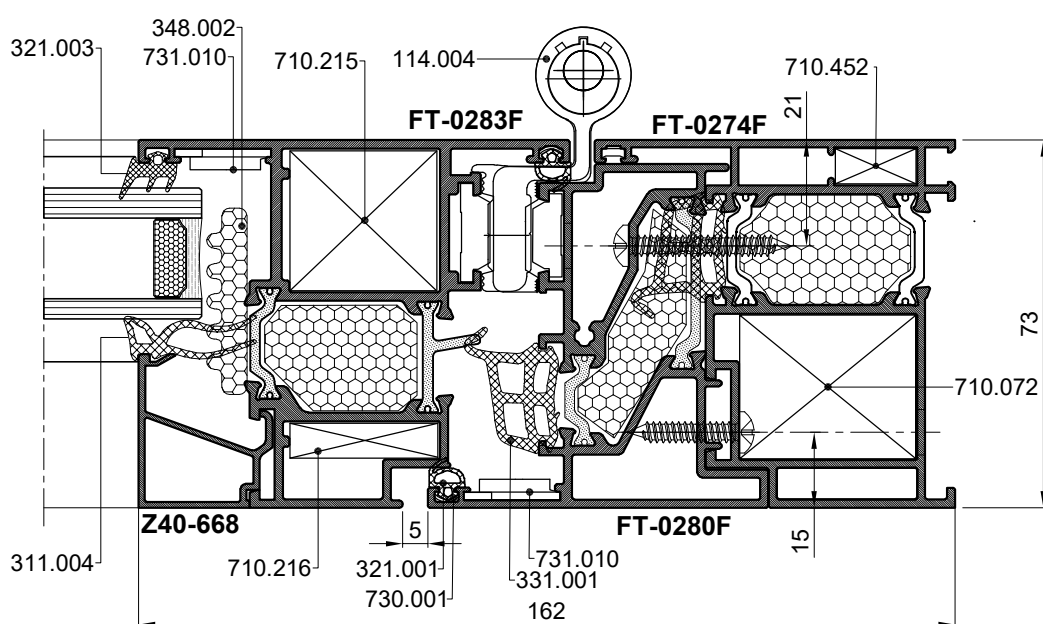
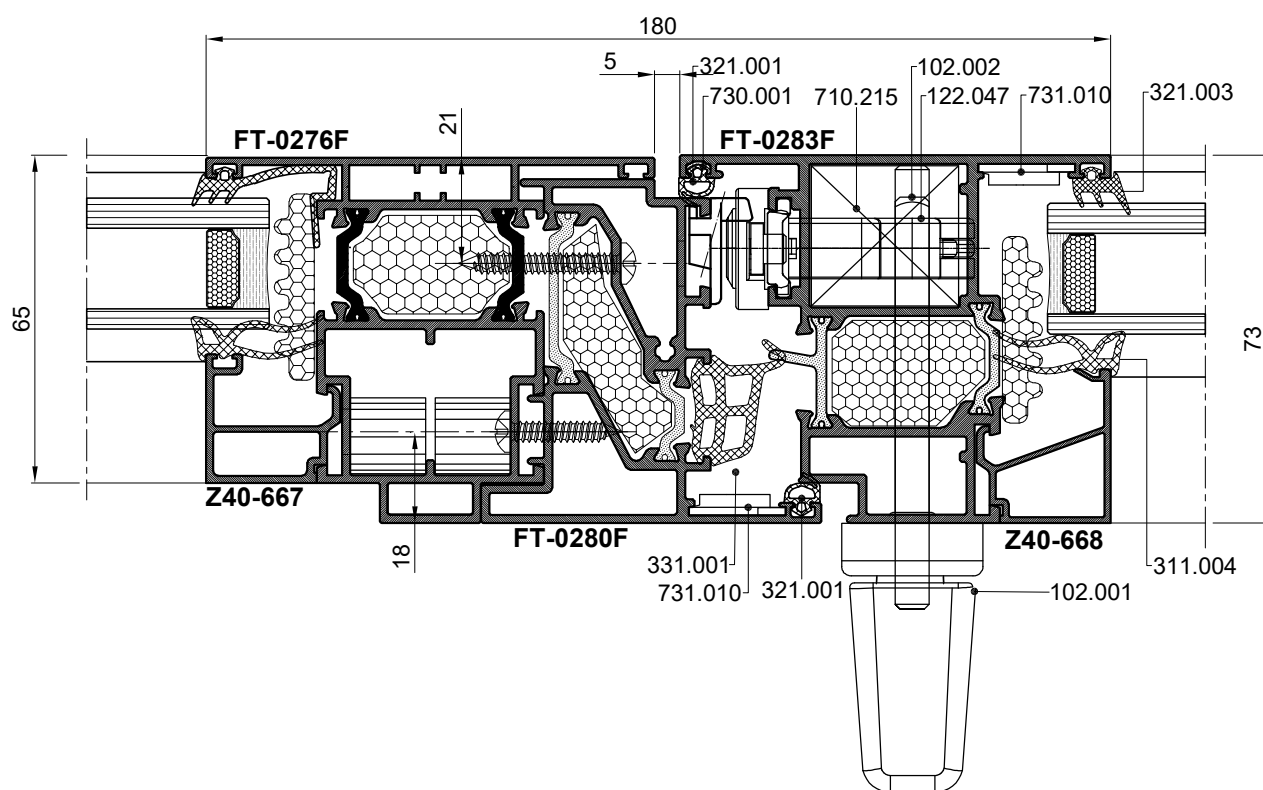
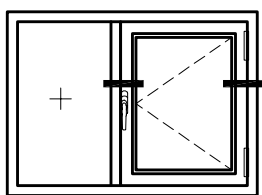


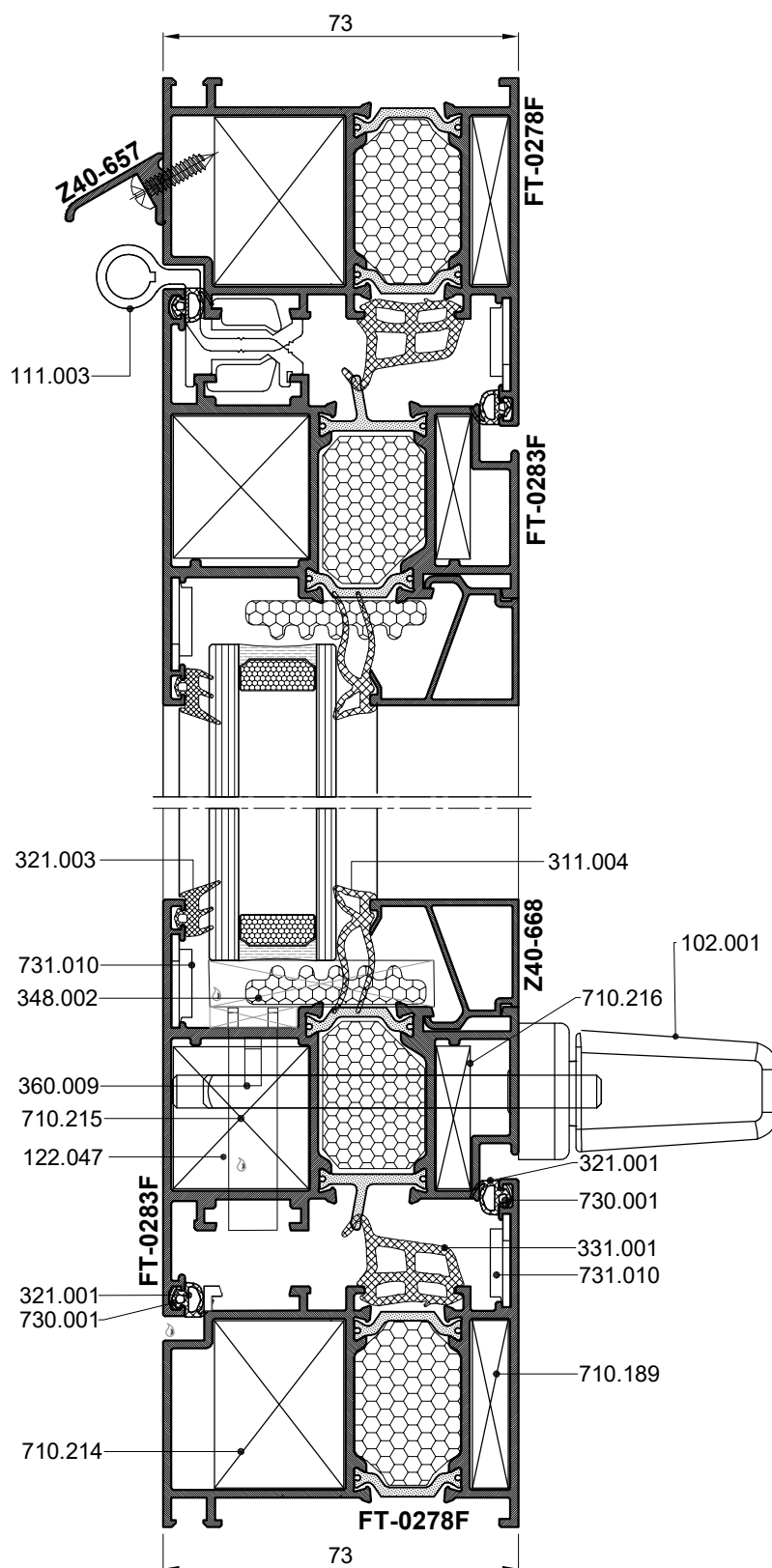
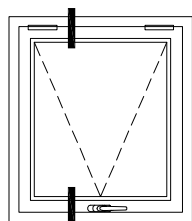
Prozor otvaranje vani
Fenster nach außen - öffnend

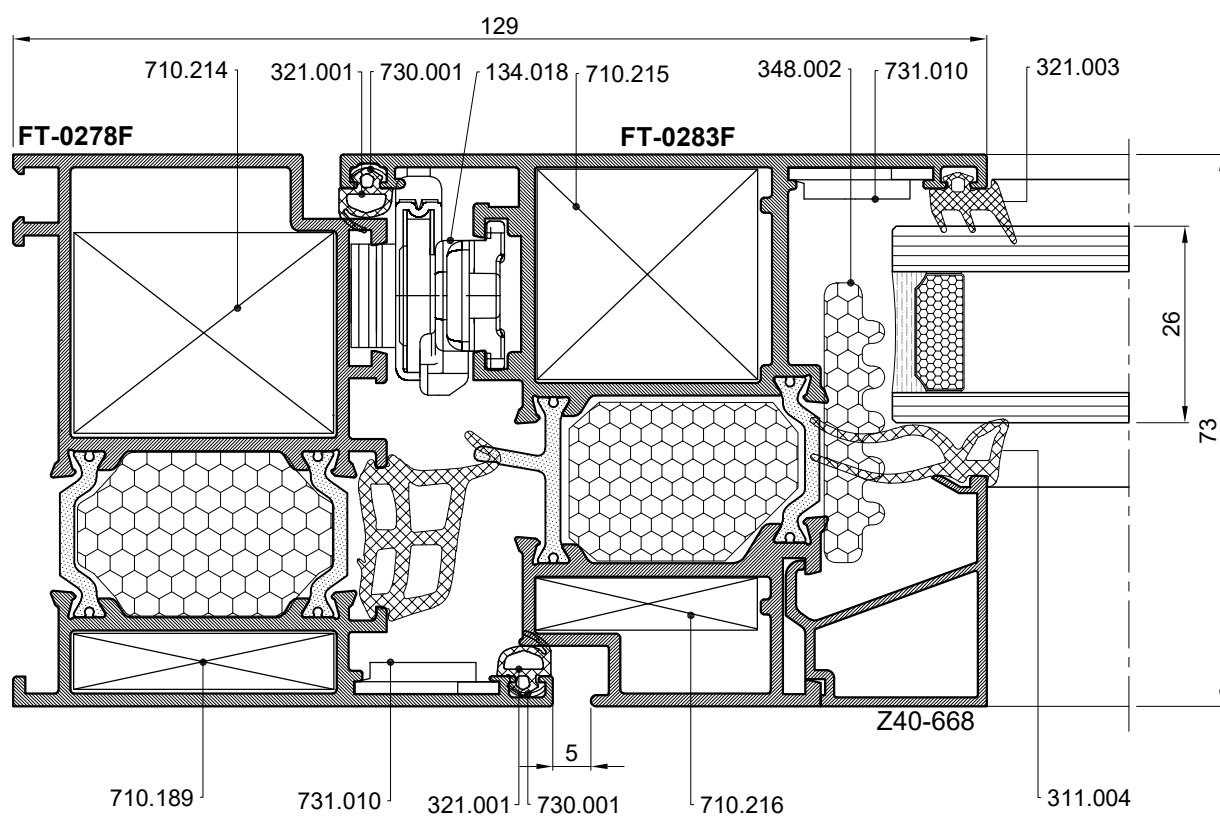
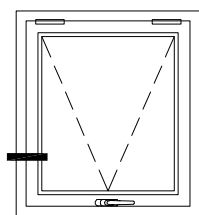
Oznaka Code	Opis Bezeichnung	kom pcs
122.047	brava 35 mm Verriegelung 35 mm 6-25916-35-0 (GU)	1
102.001	ručka dirigent-F Griff 6-28072-00-0 (GU)	1
102.002	firkant 7x7x143 Vierkant 7x7x143 9-26874-81-0-1 (GU)	1
431.919	vijak M5x80 DIN 635 Schraube M5x80 DIN 635	2
134.005	tuljac Schließplatten 4010.27(Stub.)	2
134.004	prihvatnik Schließplatten 4010.03 (Stub.)	2
114.004	šarka Drehband 2024.00 (Stub.)	2
134.018	teleskopski graničnik Ausstellbegrenzungss chere	1

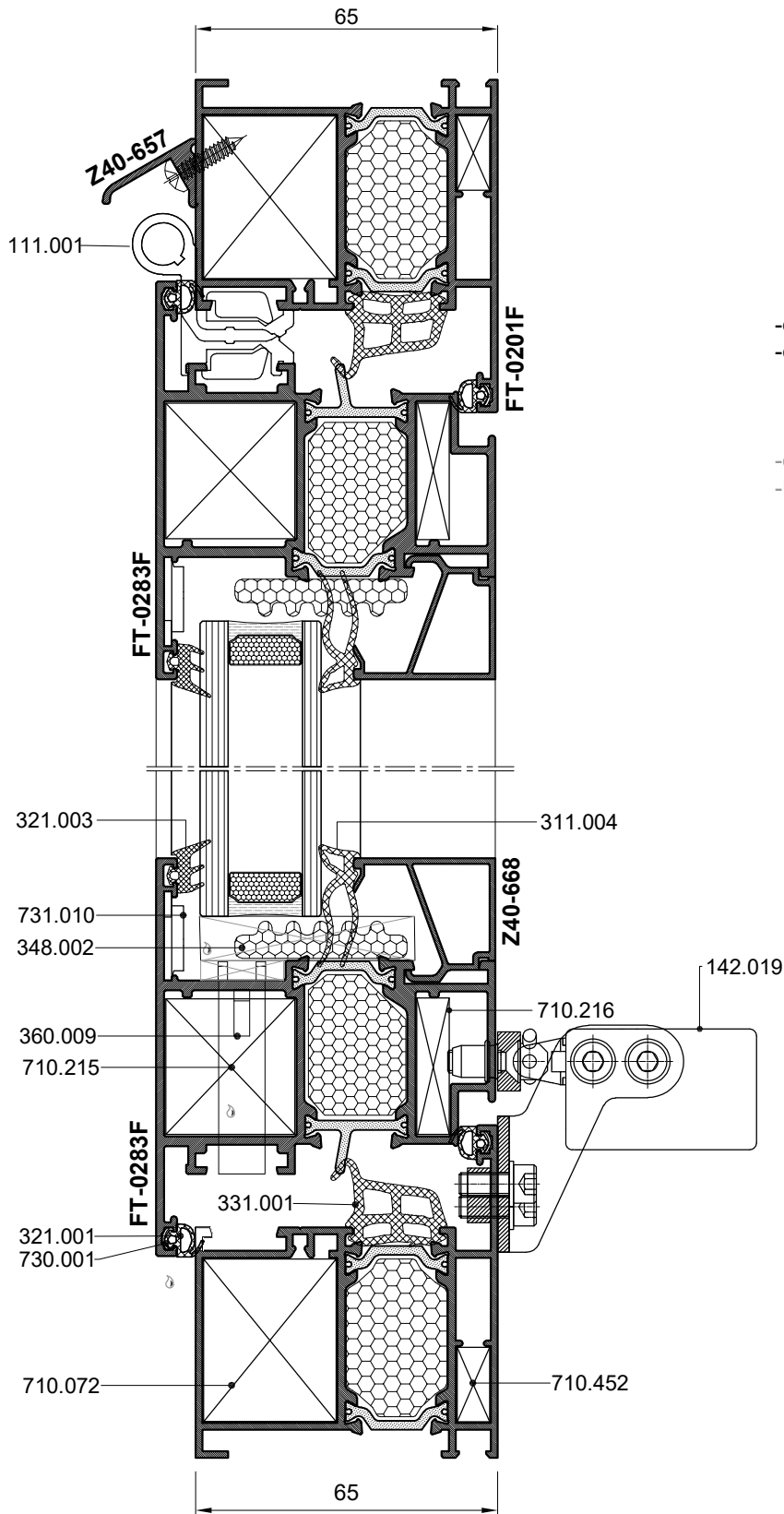




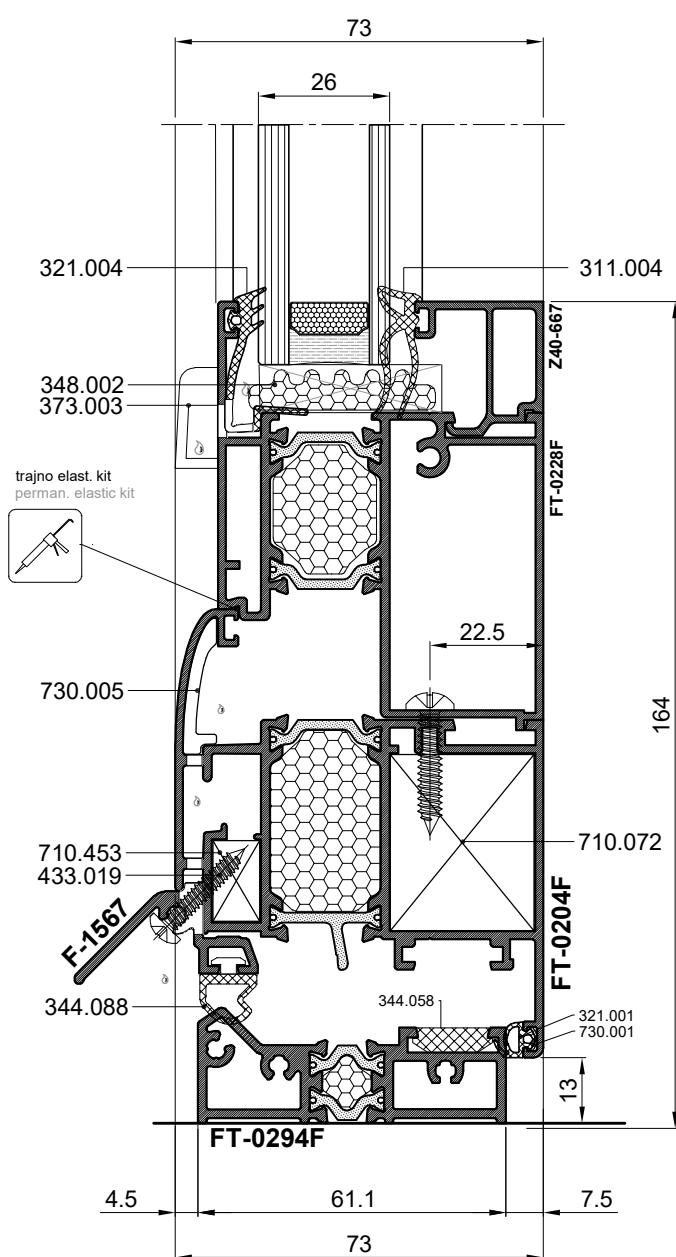
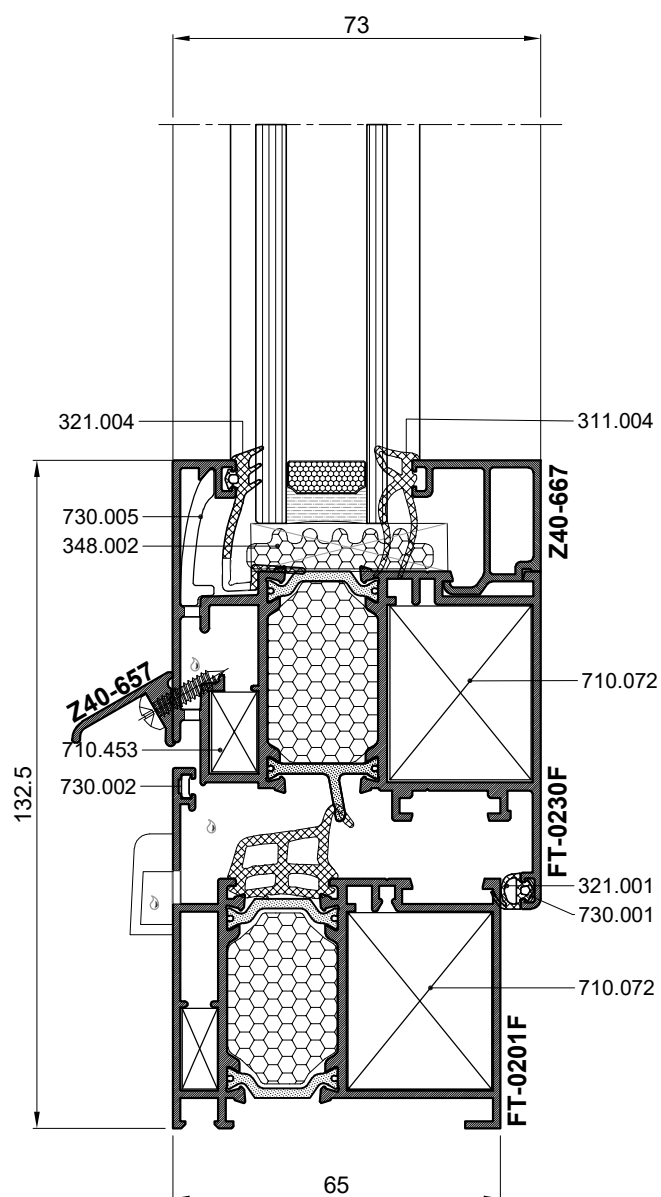
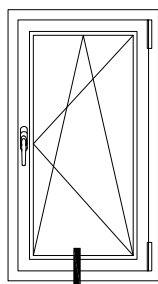


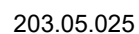


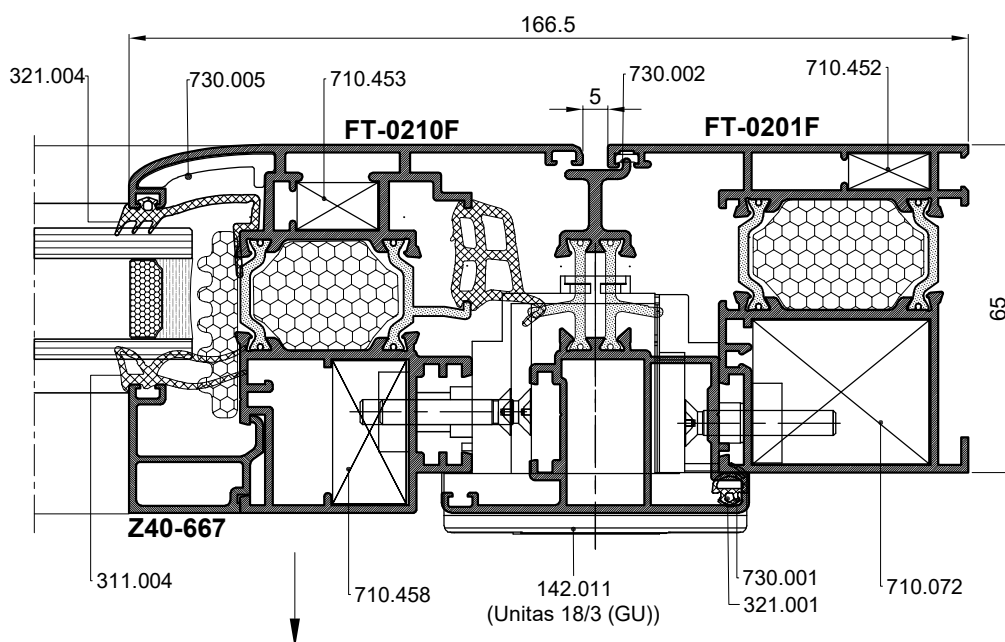
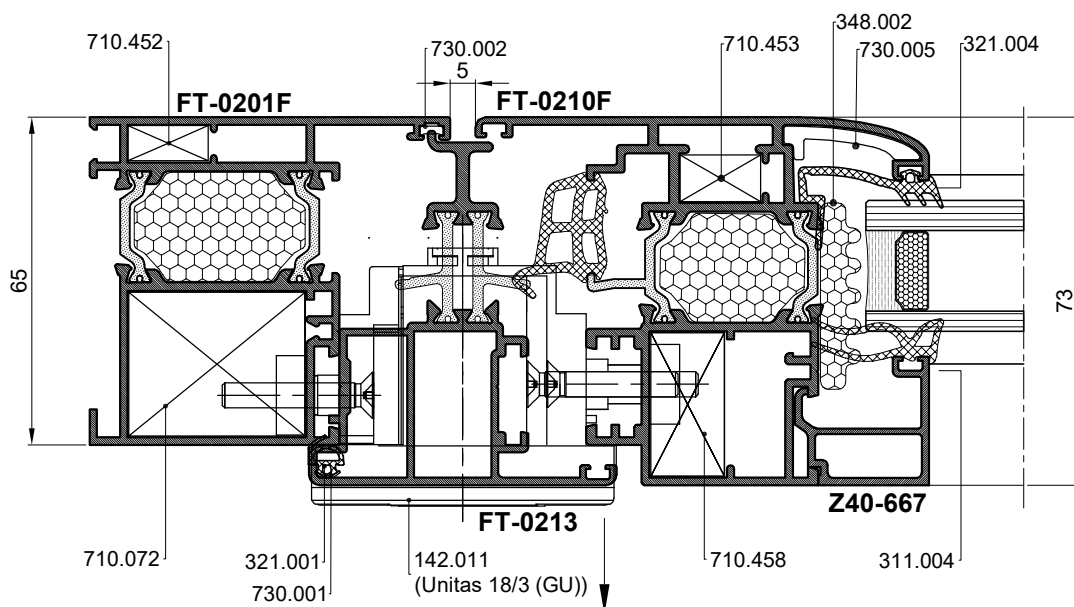
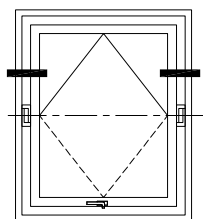


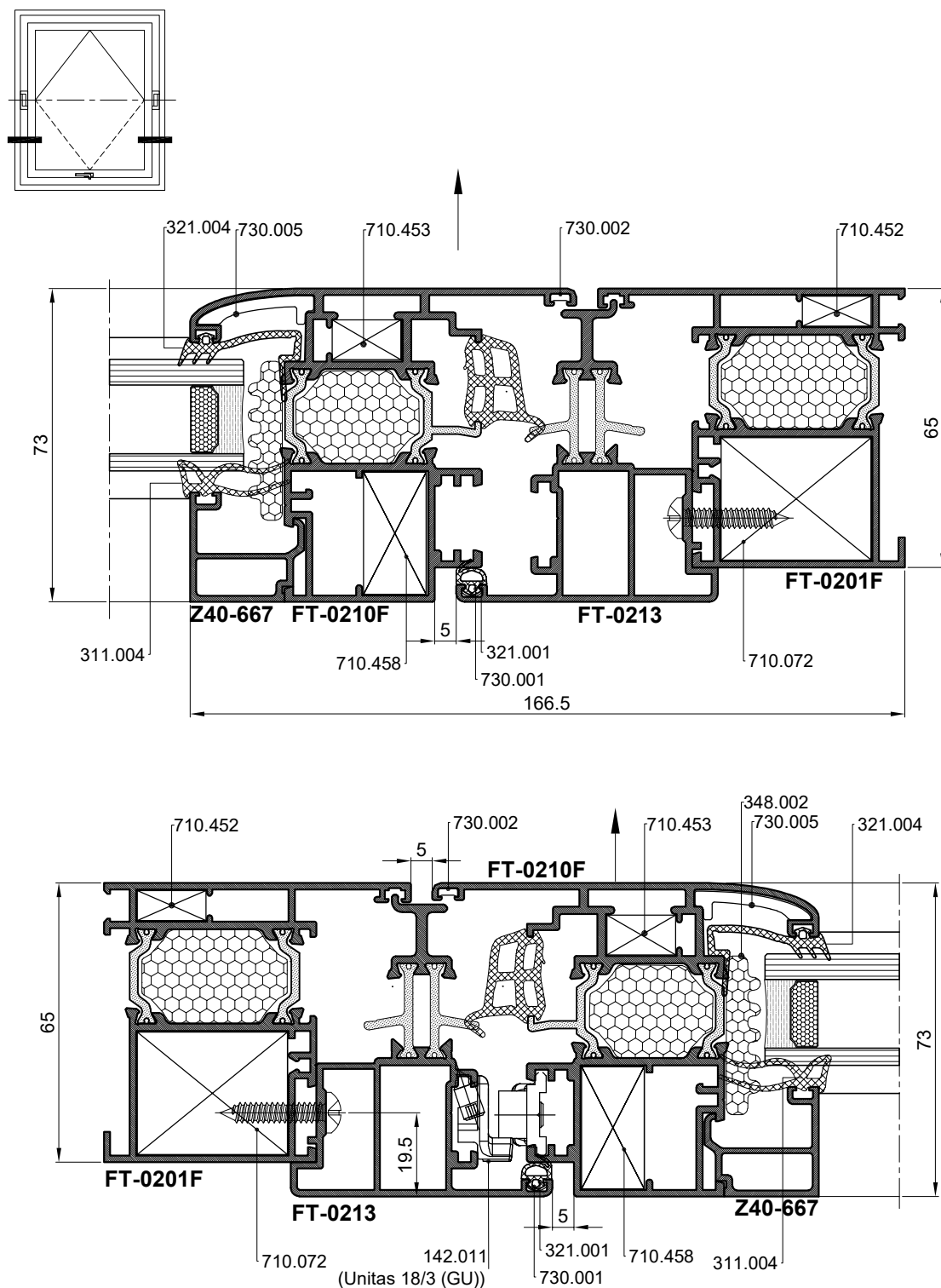


- otvaranje oko gornje ose
- elektromotorni pogon
 - 142.019 - hod motora 200 mm
 - 142.020 - hod motora 300 mm
 - 142.021 - hod motora 400 mm
- obere Achse öffnen
- Elektromotorischer Antrieb
 - 142.019 - Motorhub 200 mm
 - 142.020 - Motorhub 300 mm
 - 142.021 - Motorhub 400 mm

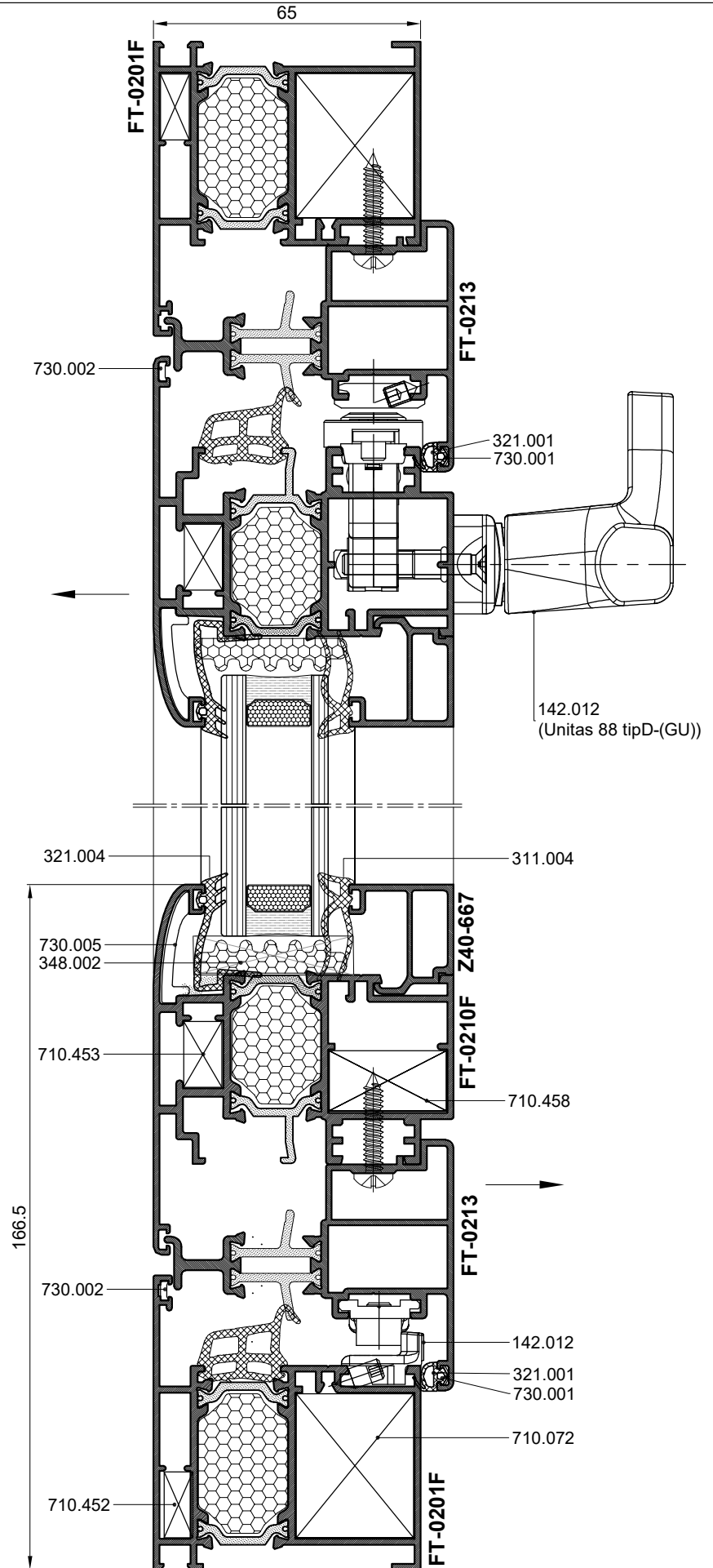
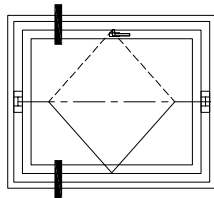


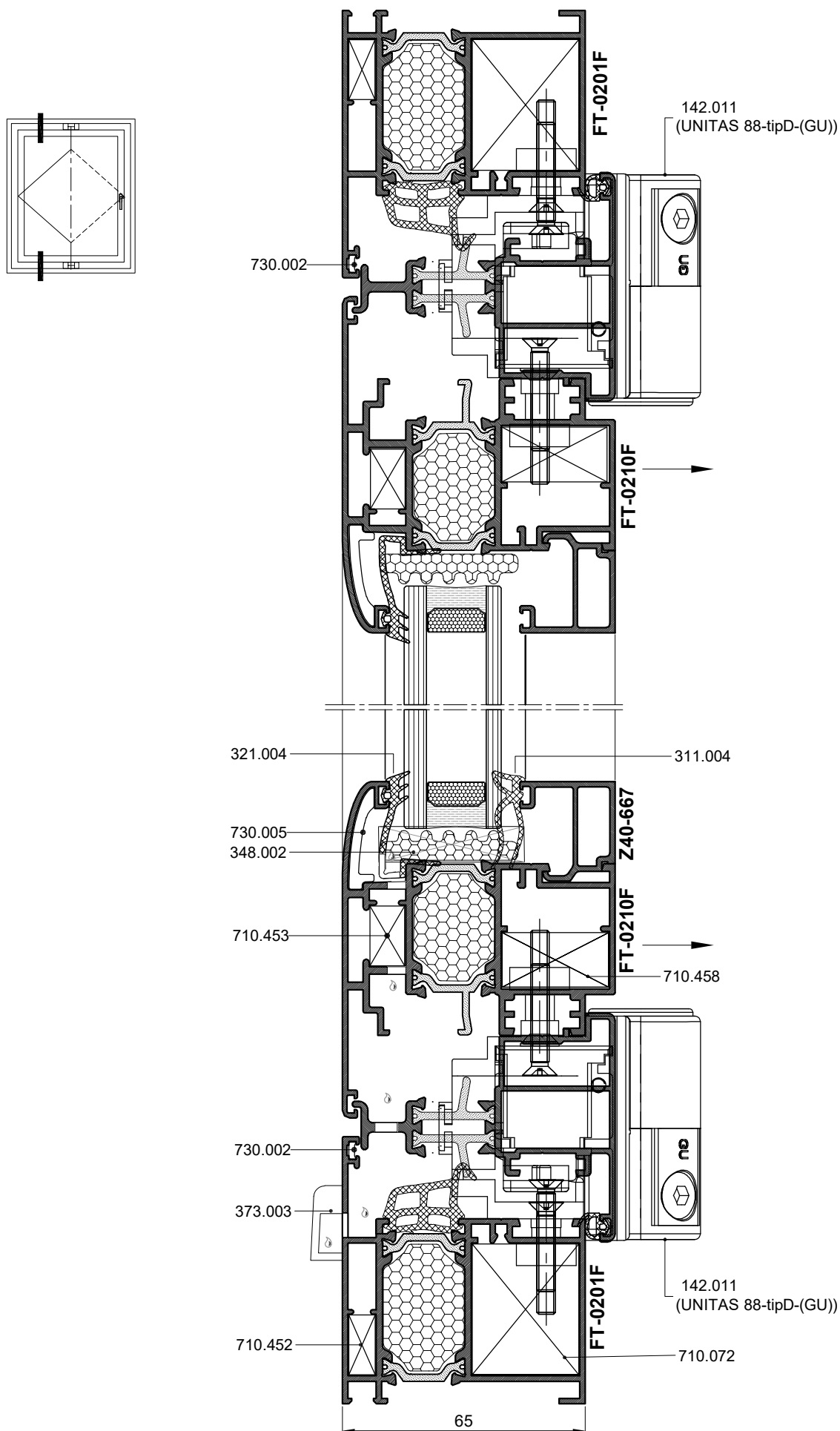


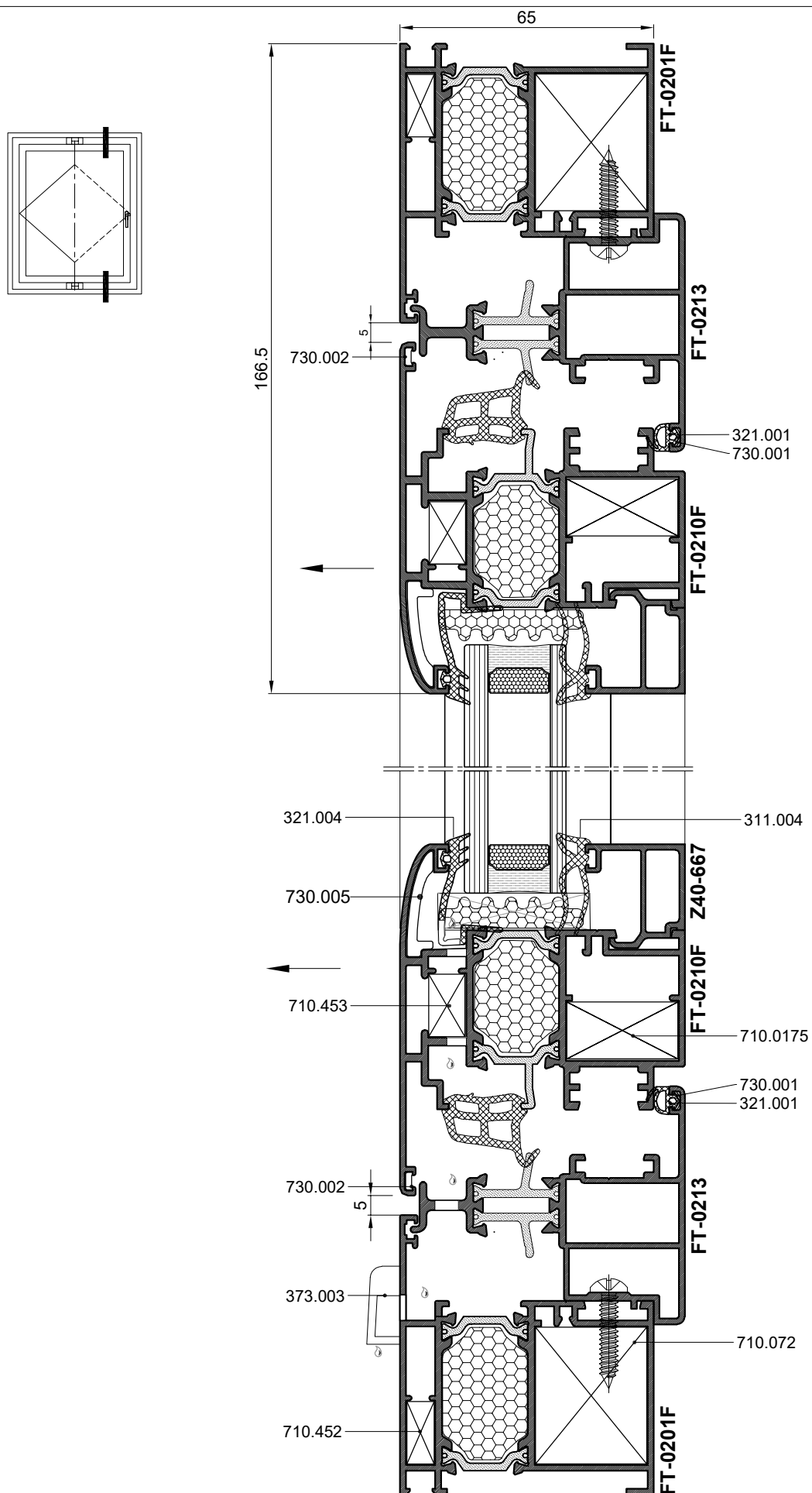


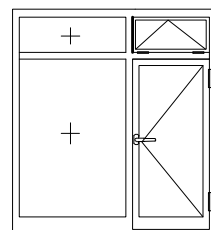
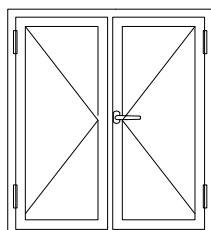
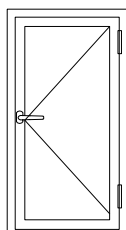


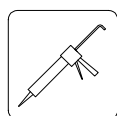
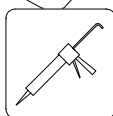
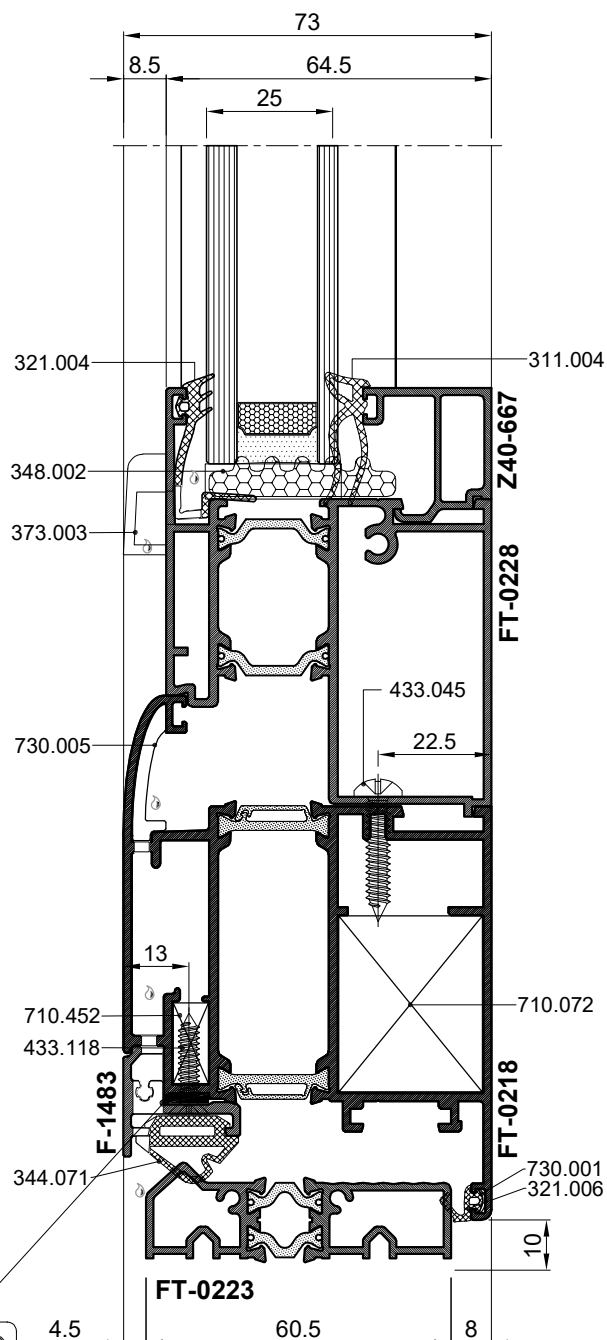
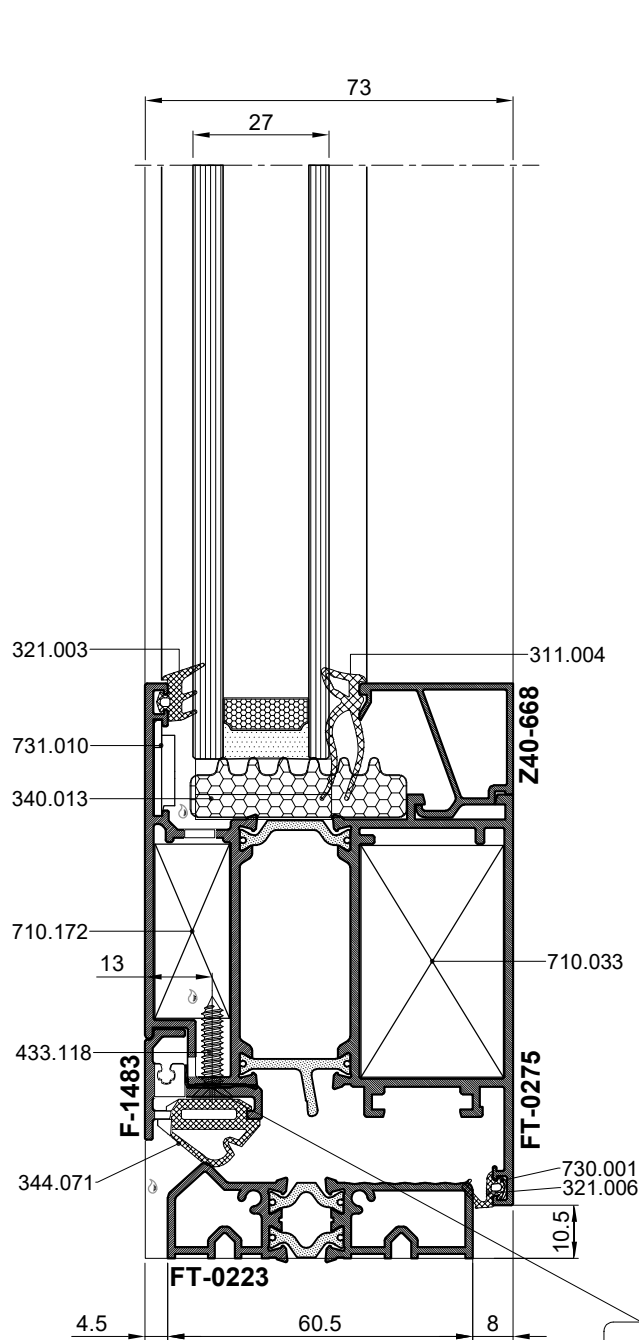
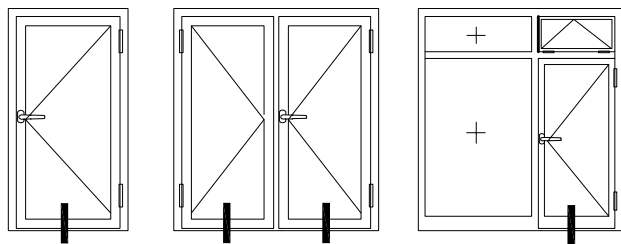
PROZOR - OTVARANJE OKO SREDNJE OKOMITE OSE
FENSTER ÖFFNUNG UM DIE VERTIKALE ACHSE



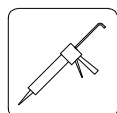
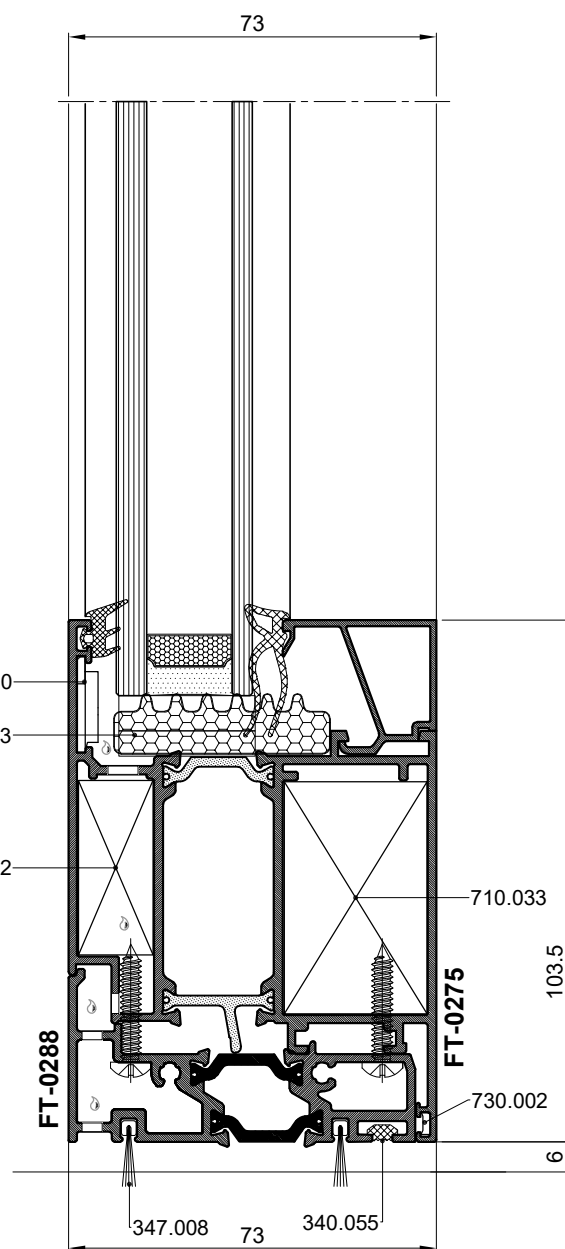
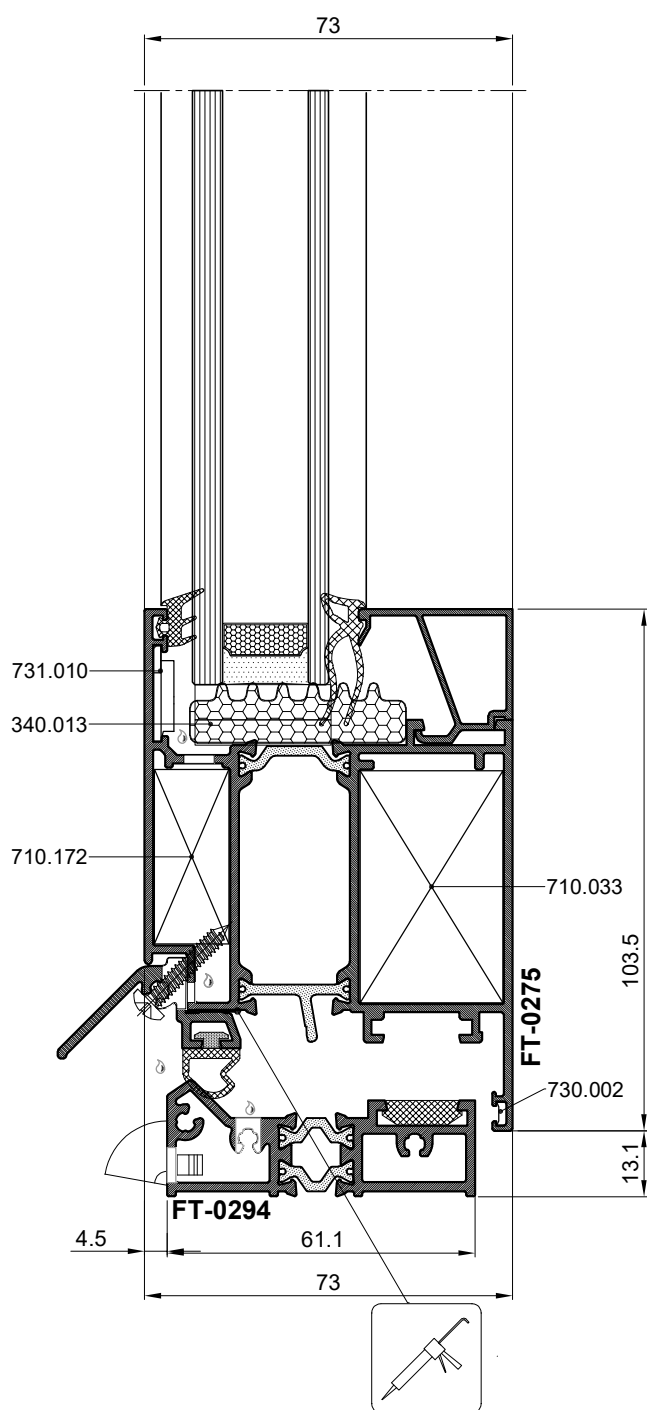
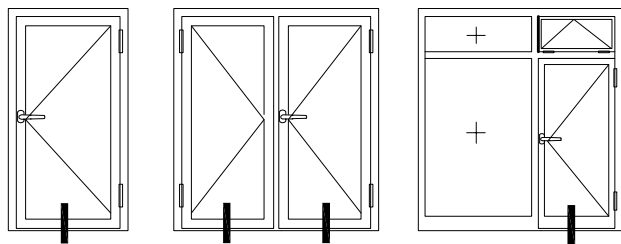




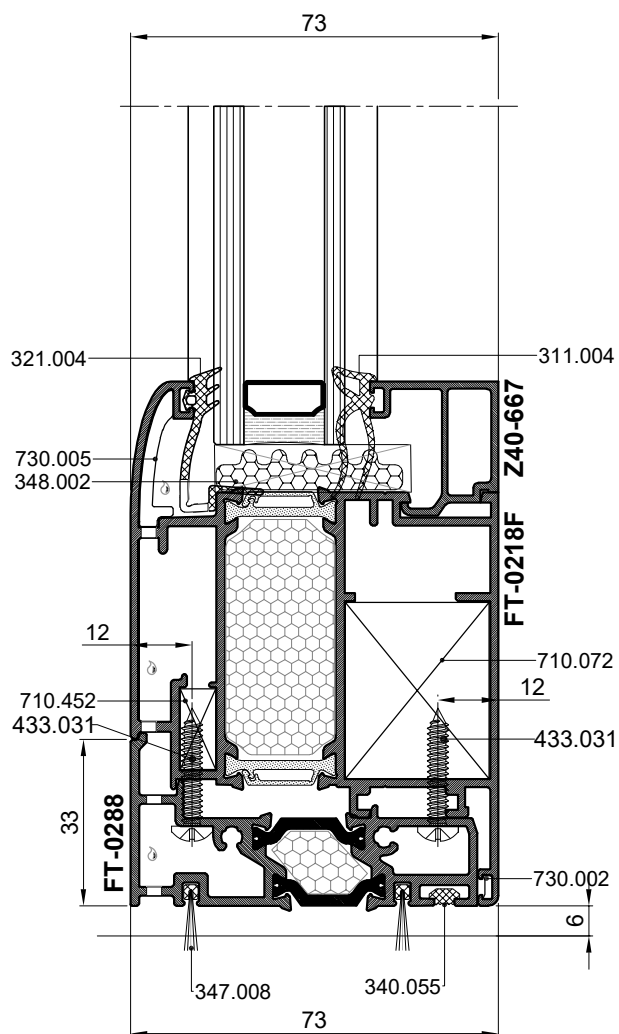
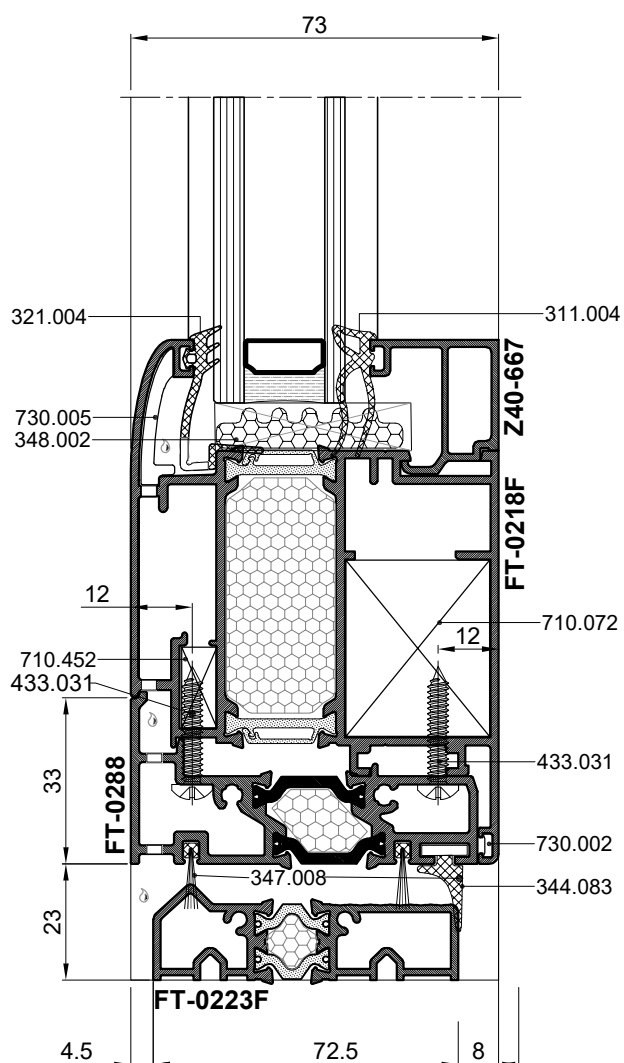
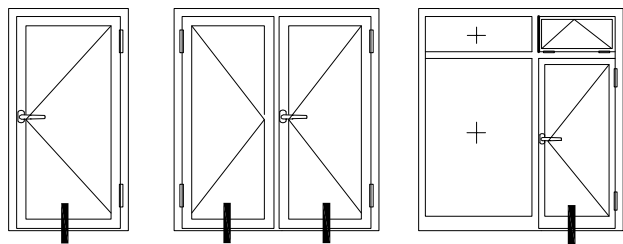


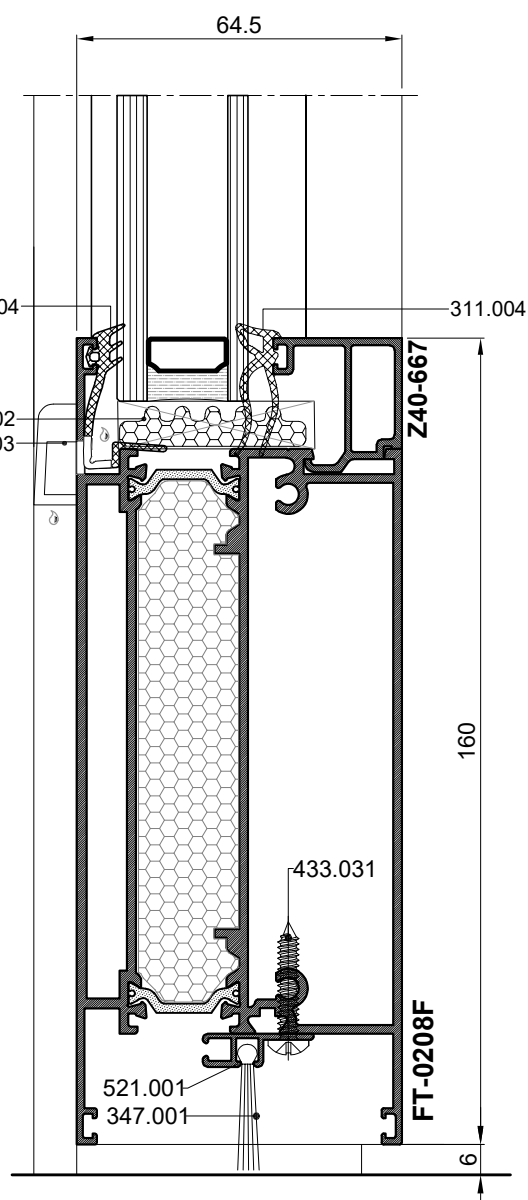
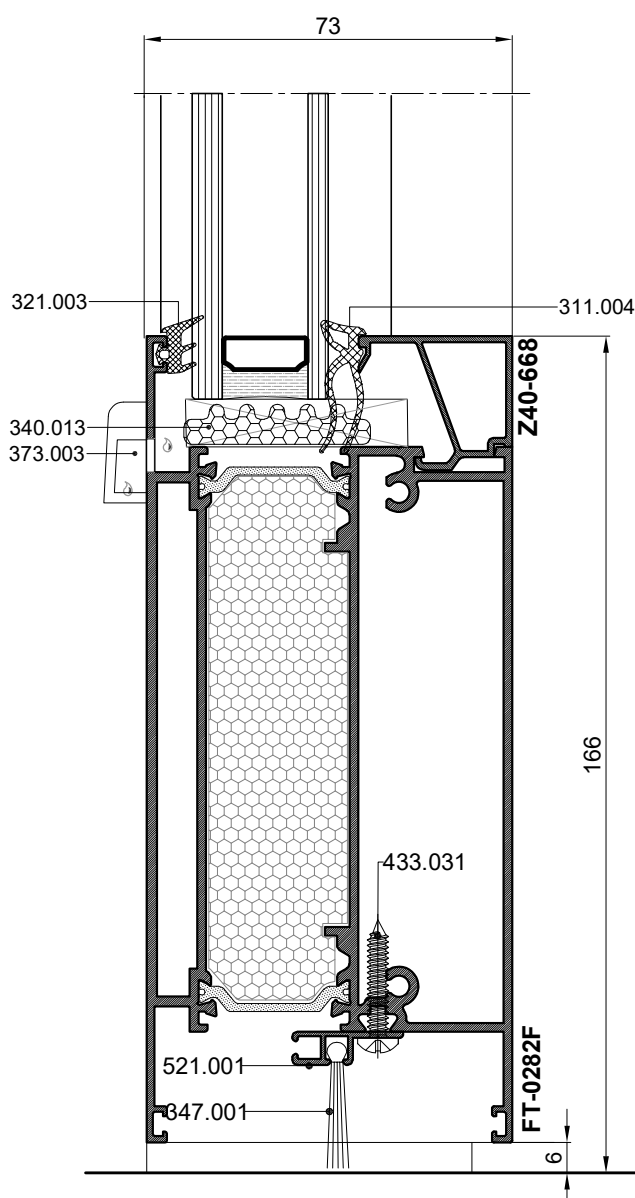
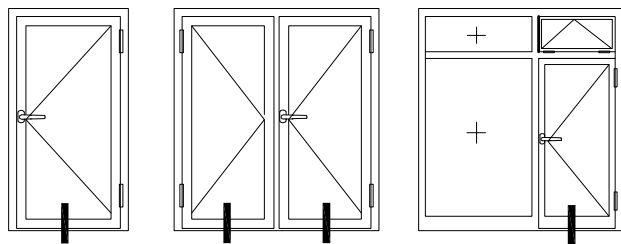


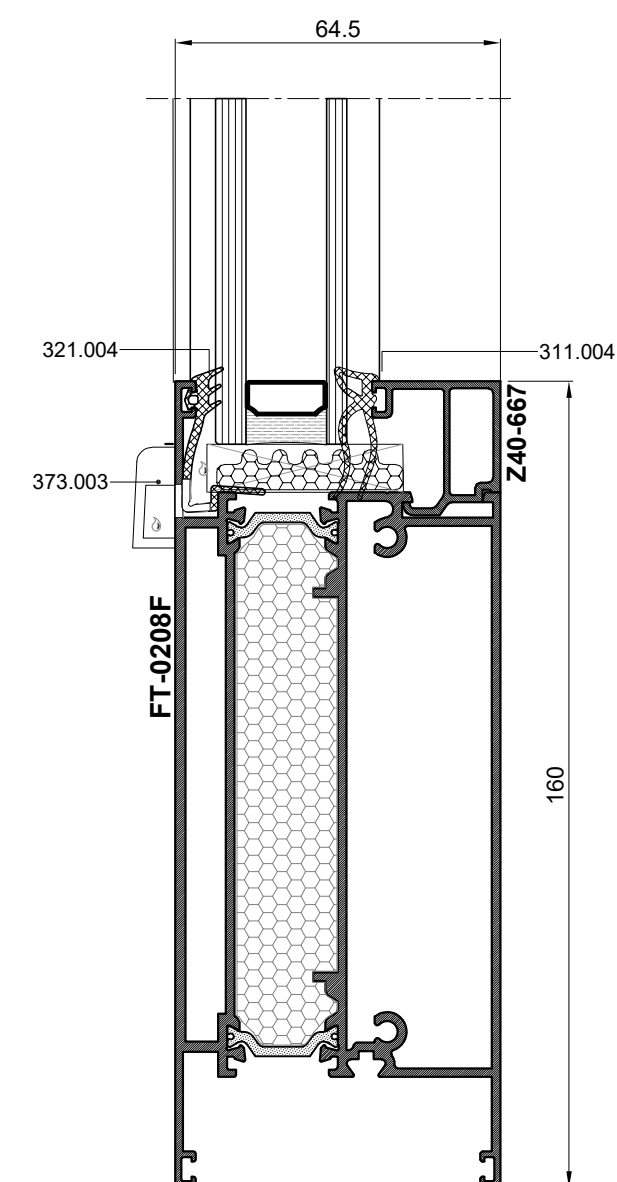
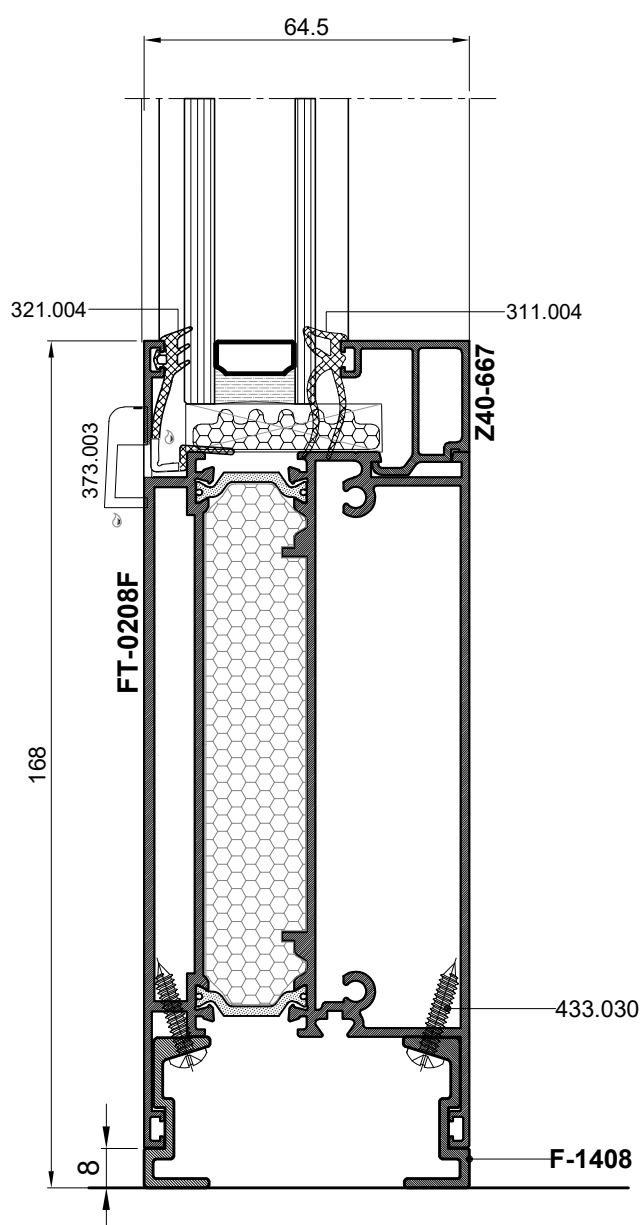
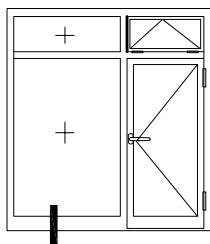
ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(eg. Teroson MS 939)

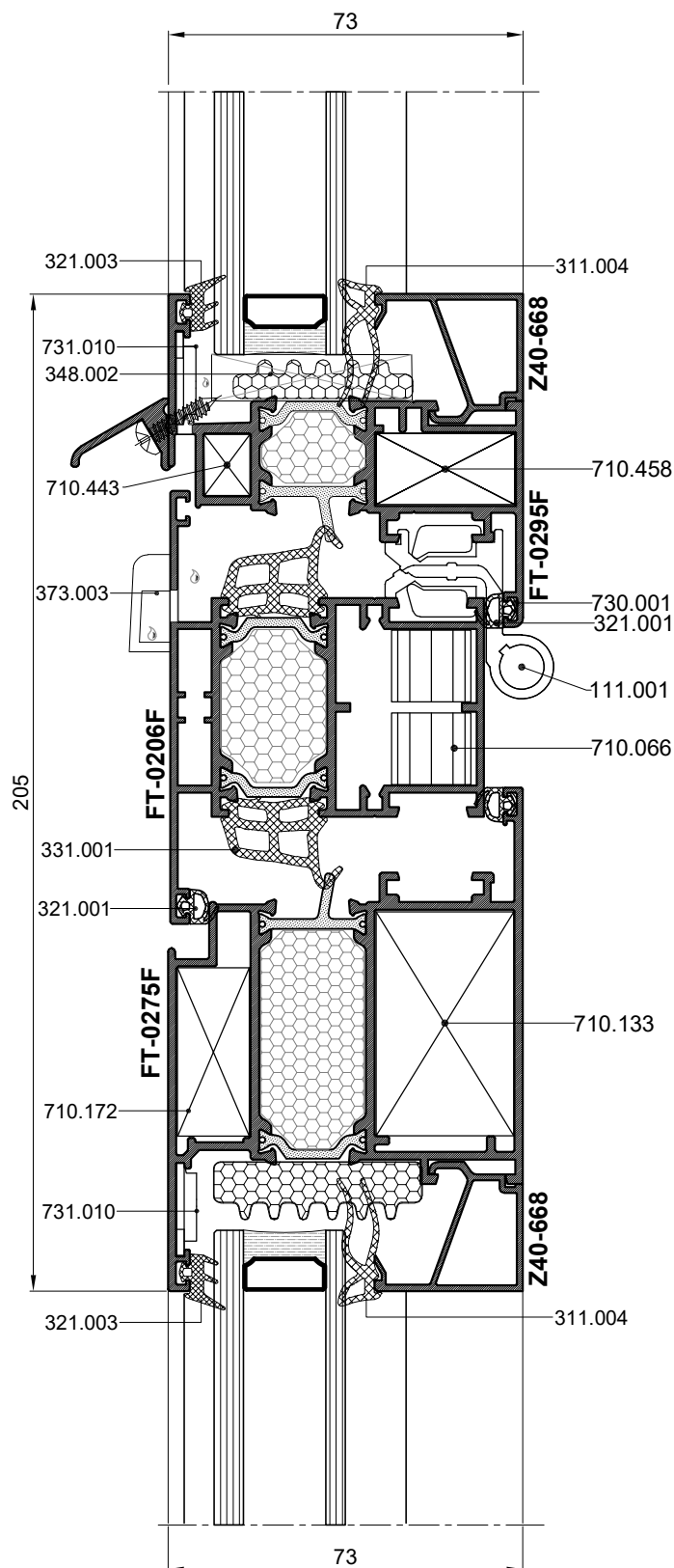
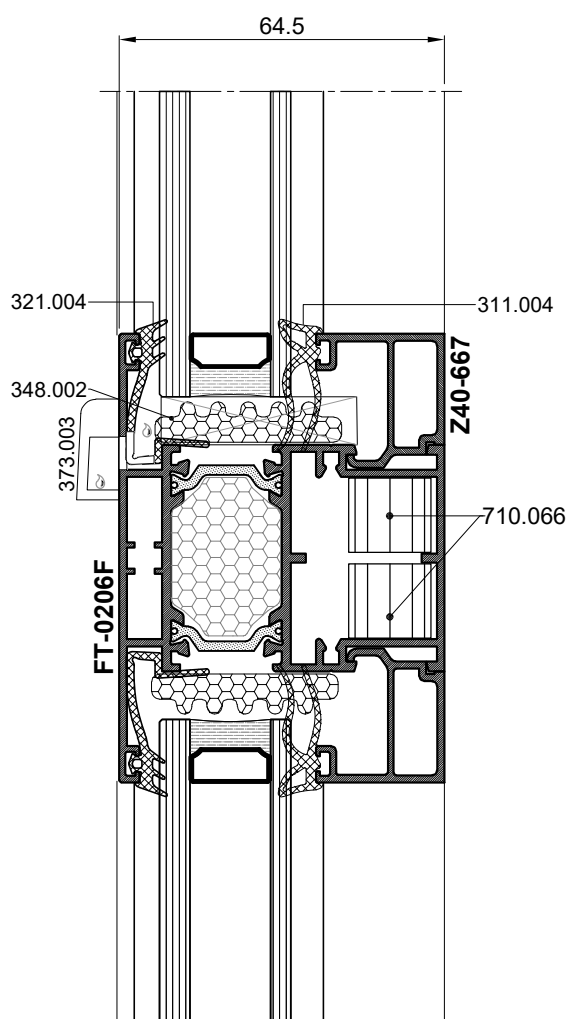
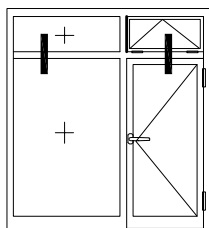


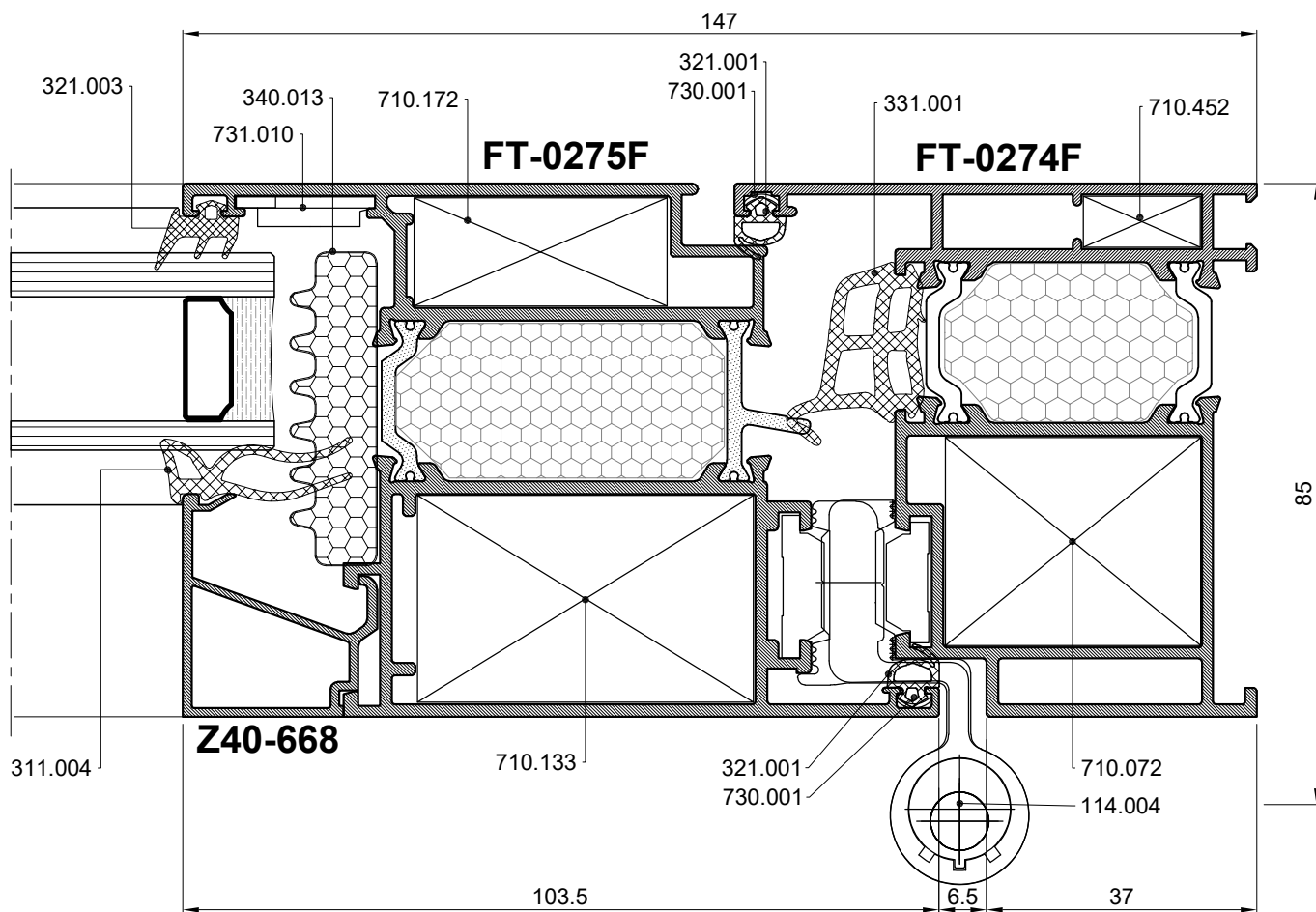
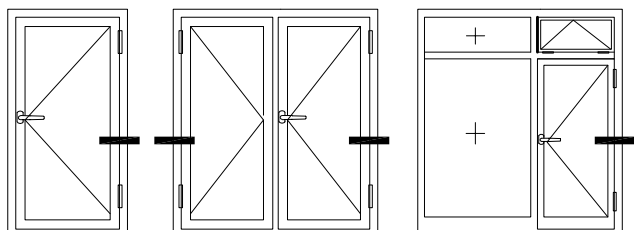
ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(eg. Teroson MS 939)

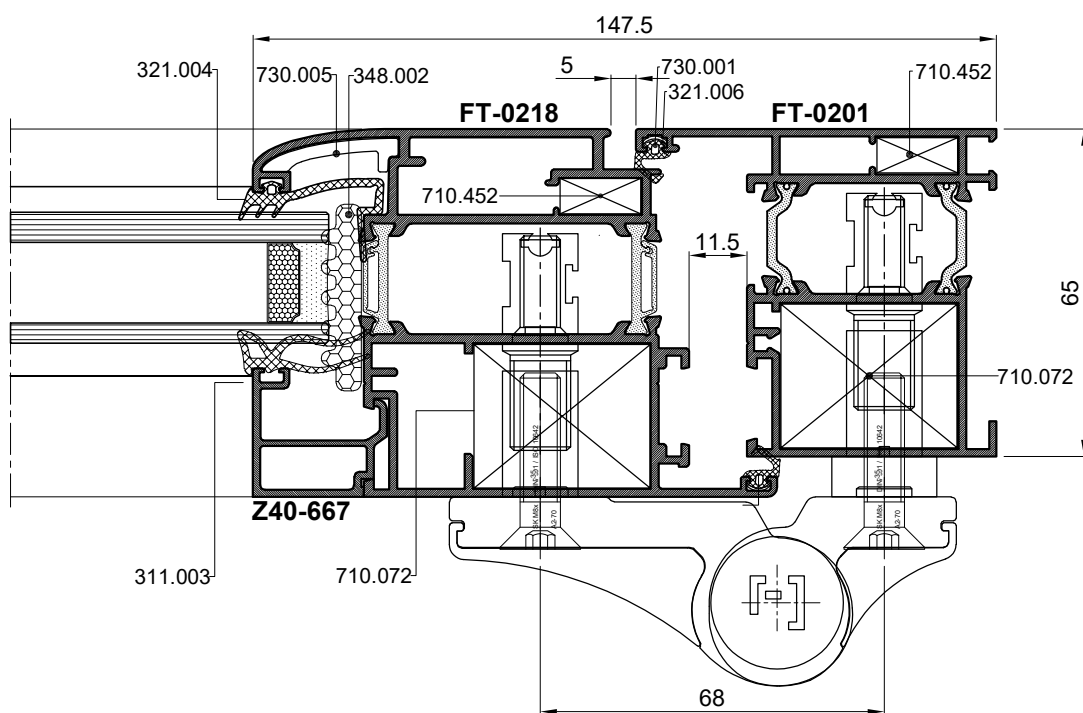
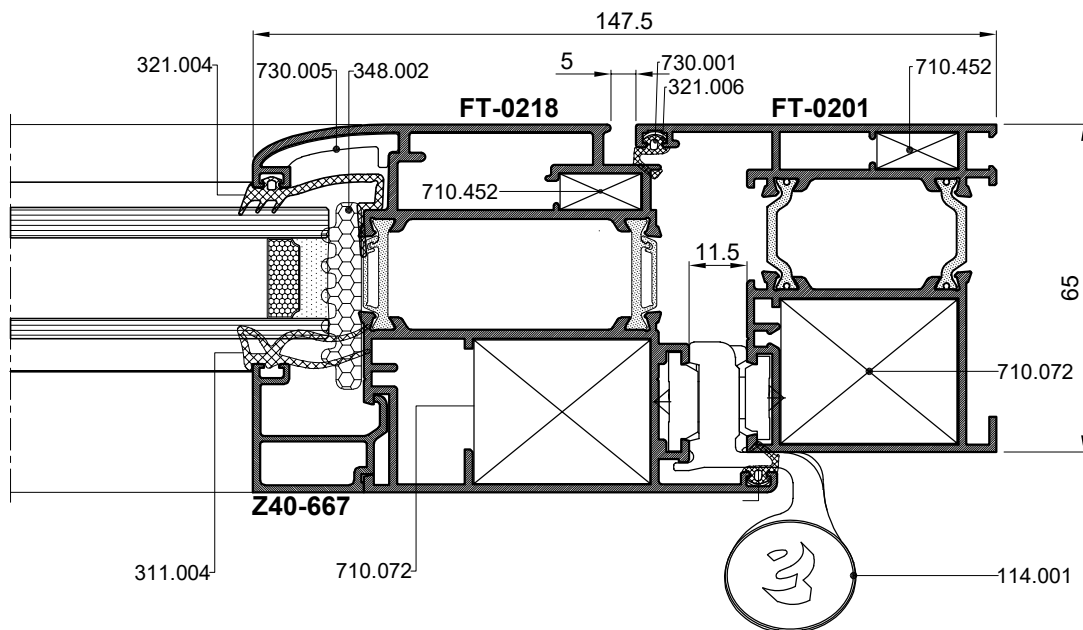
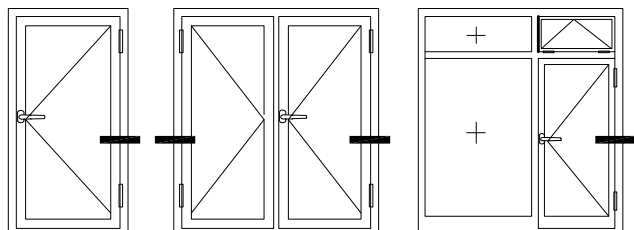


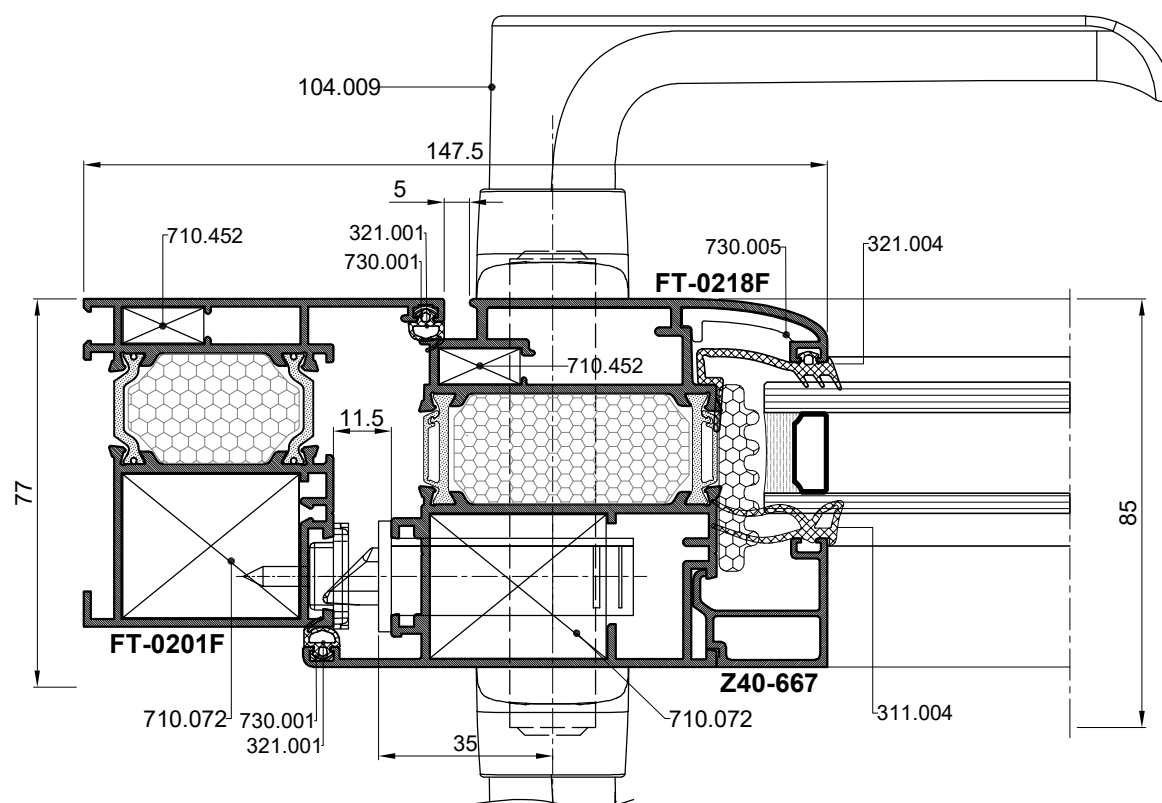
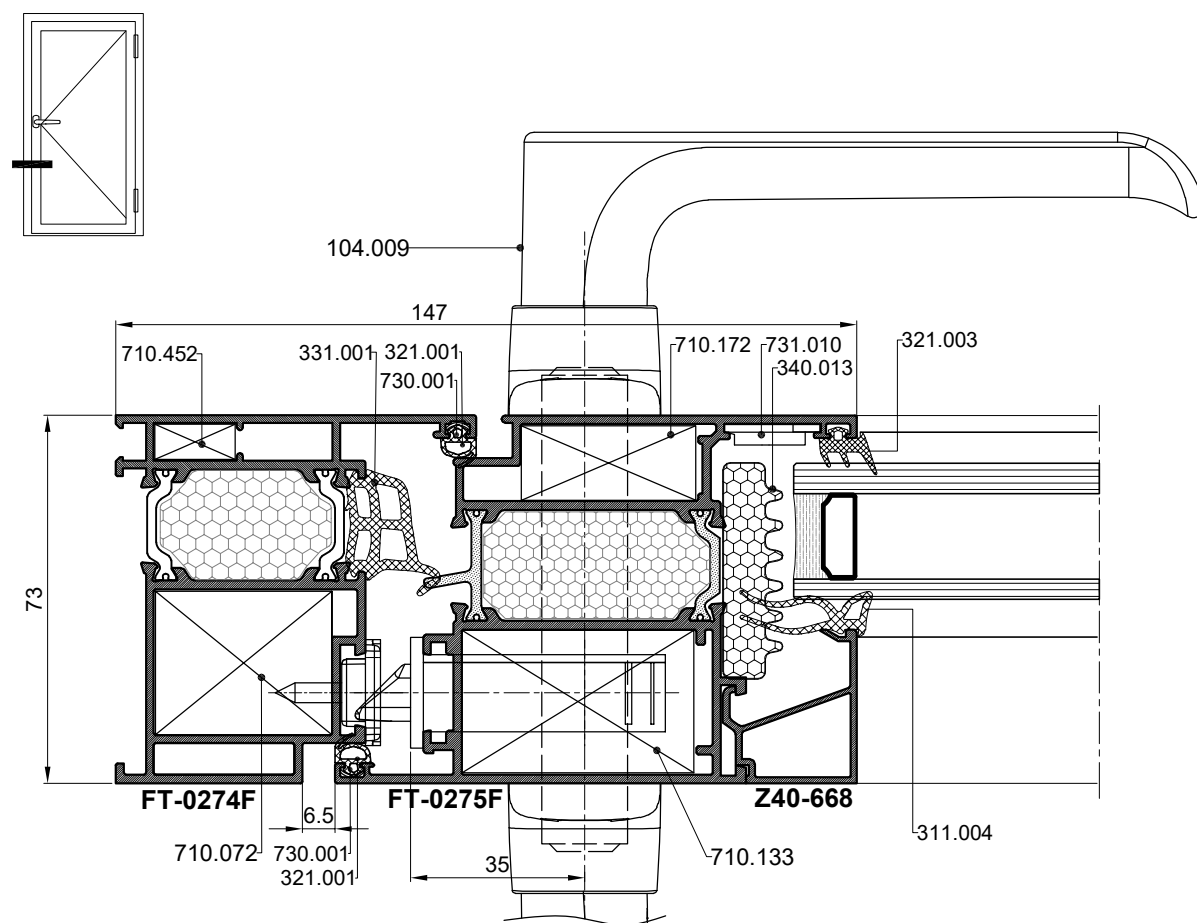


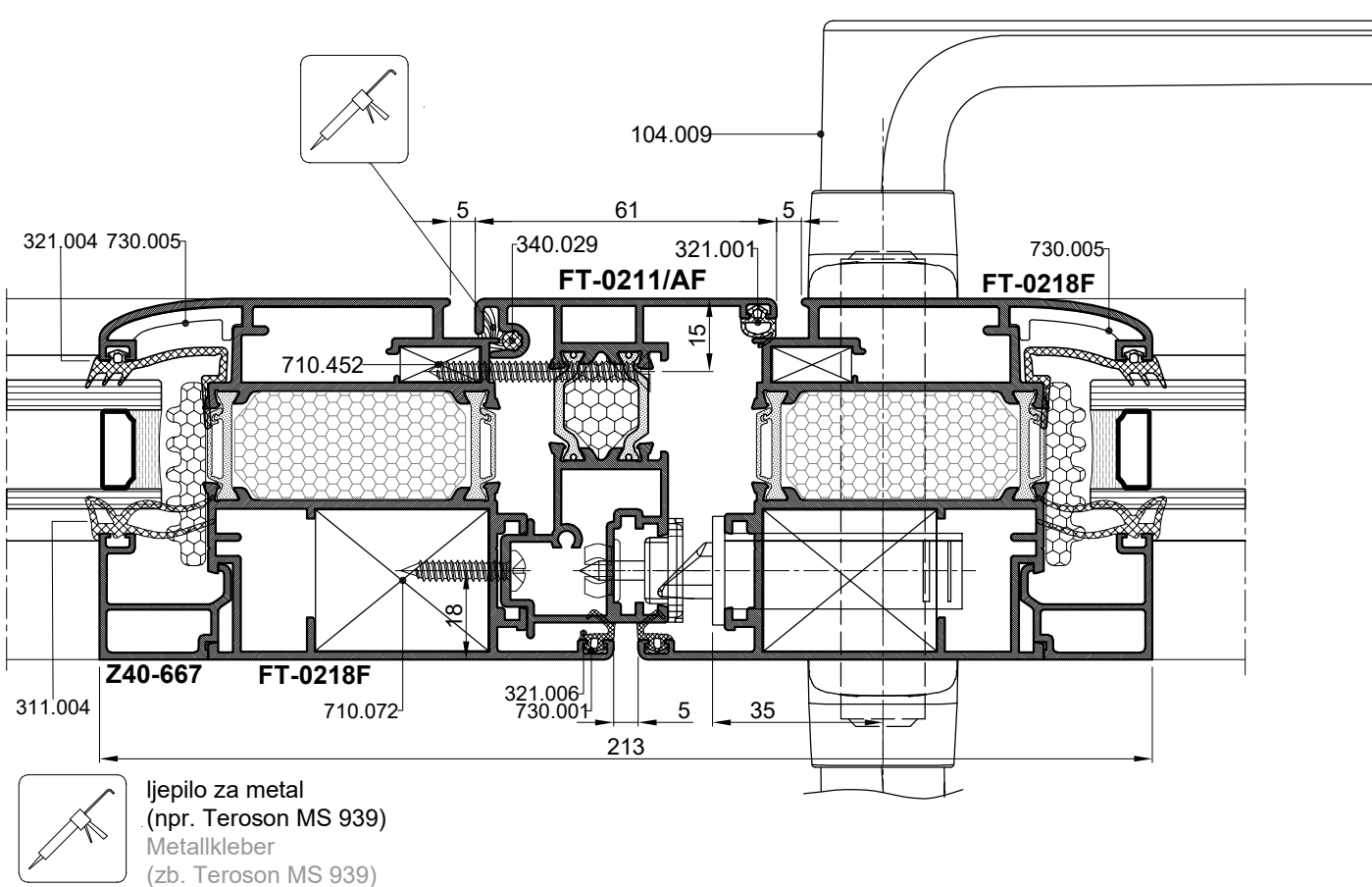
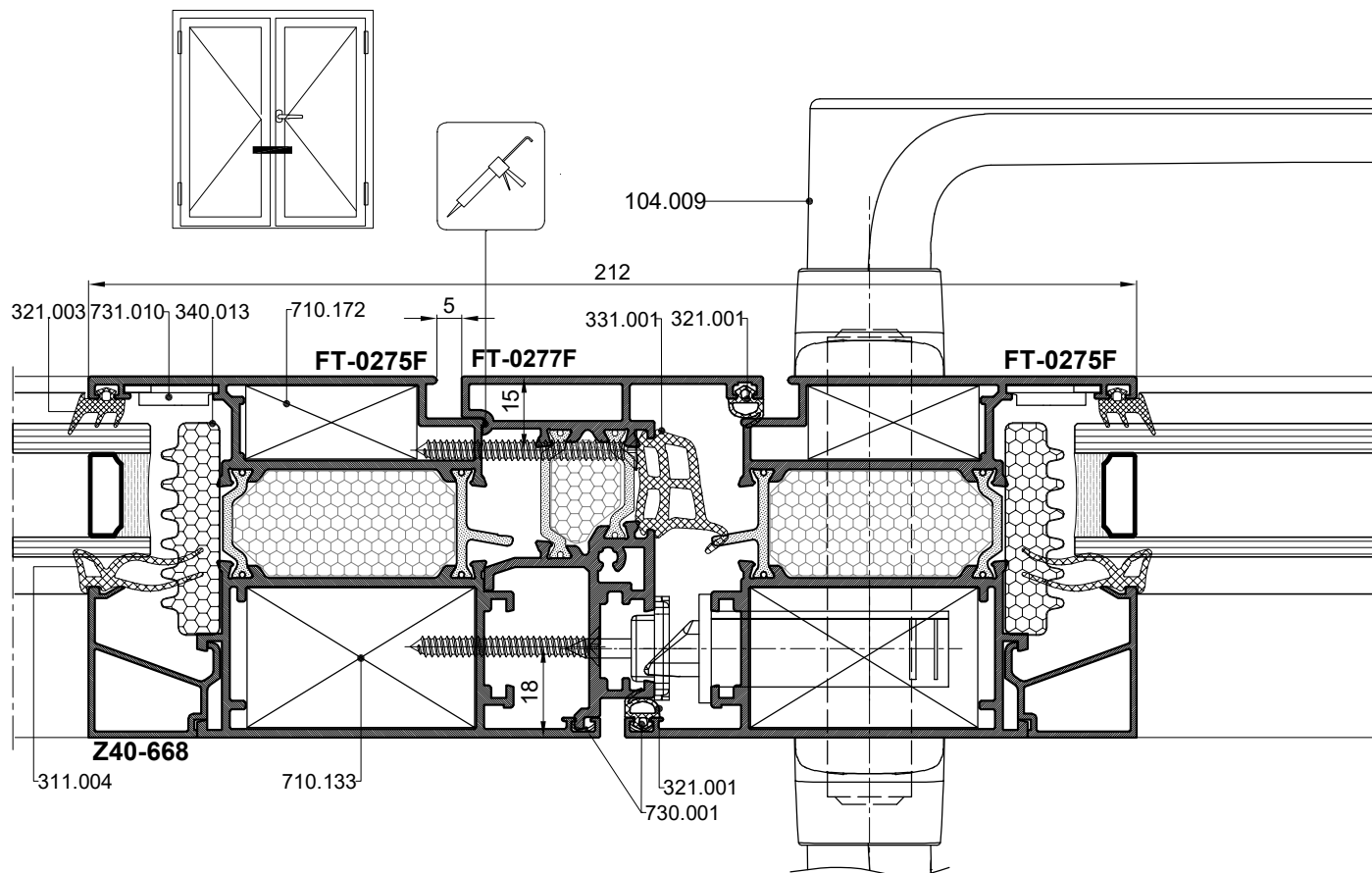


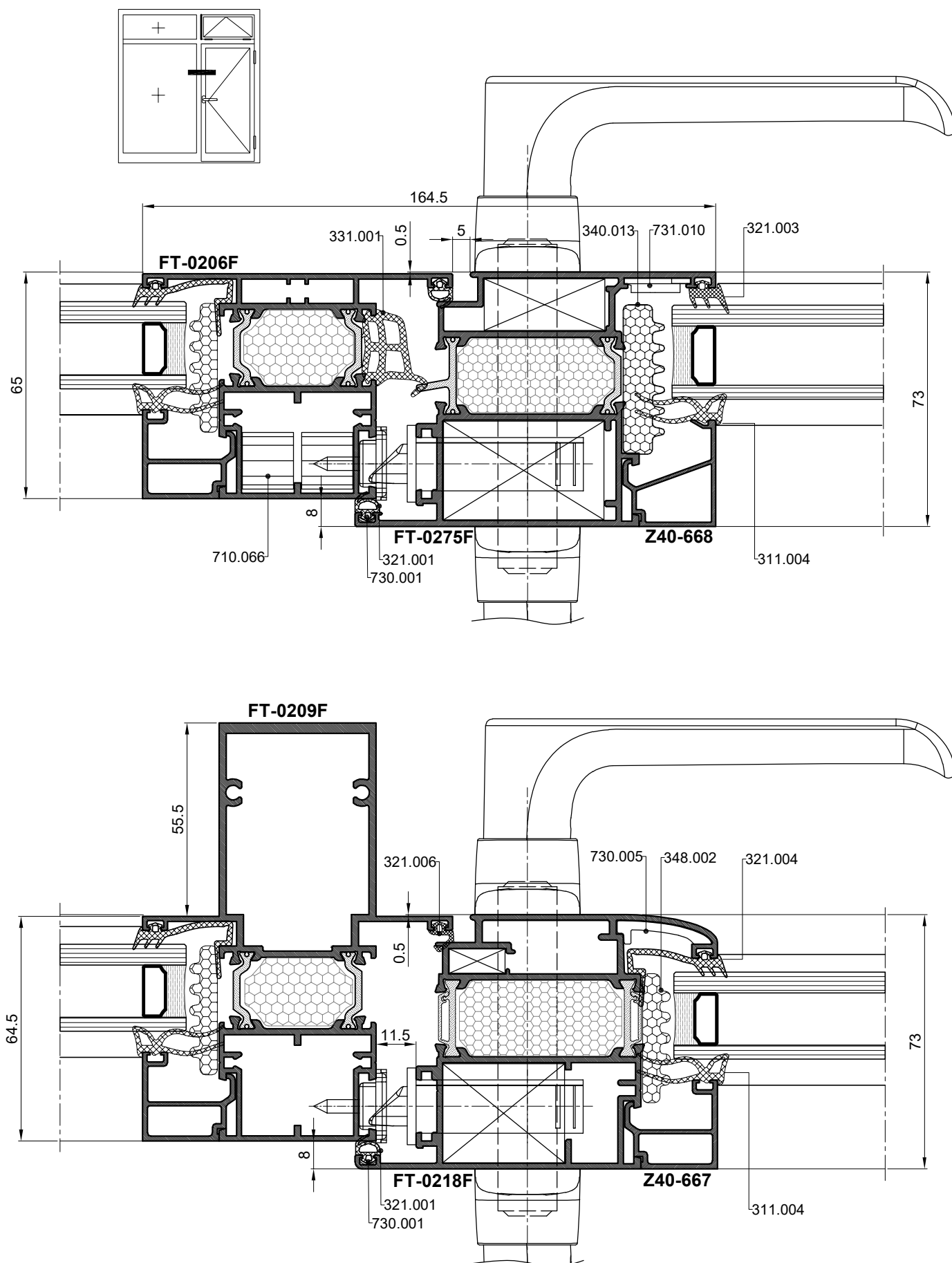




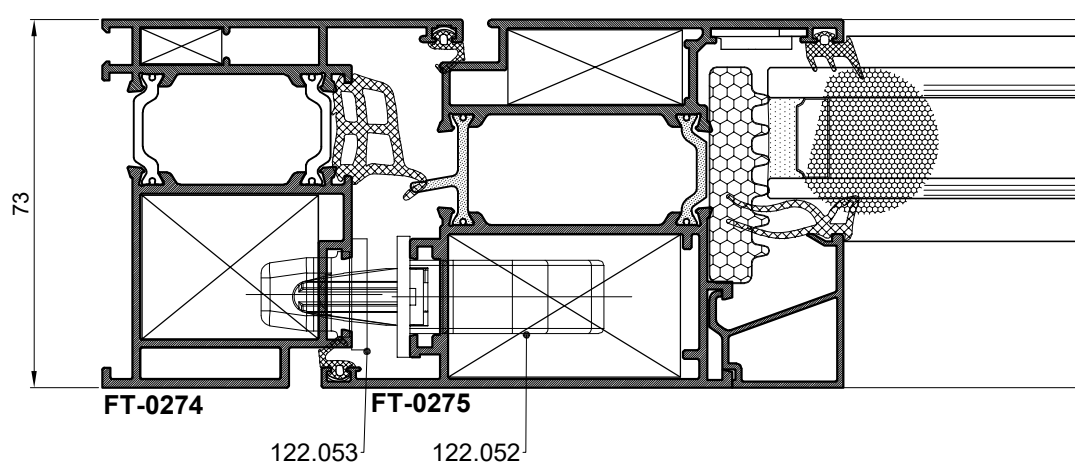
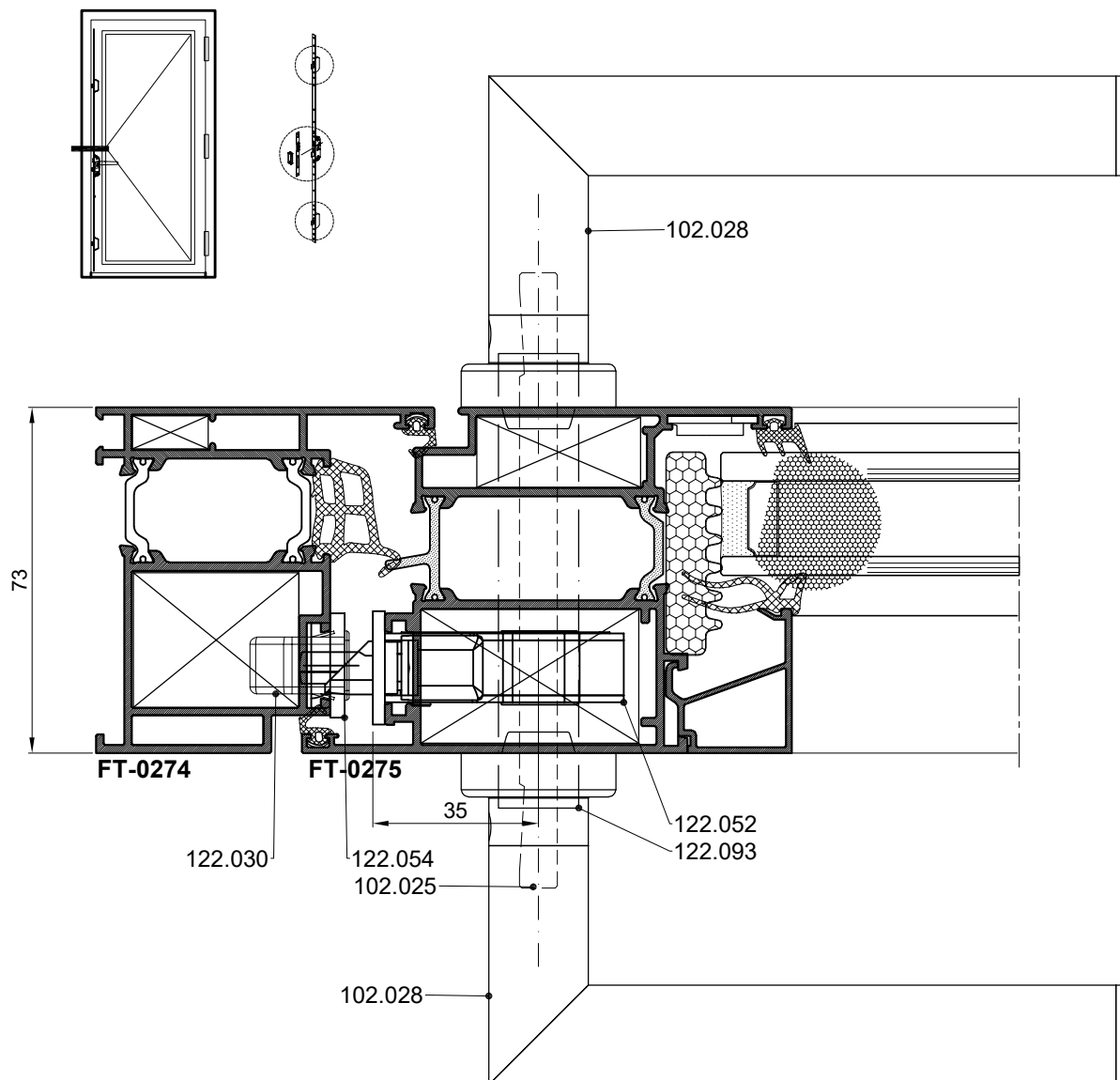




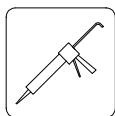
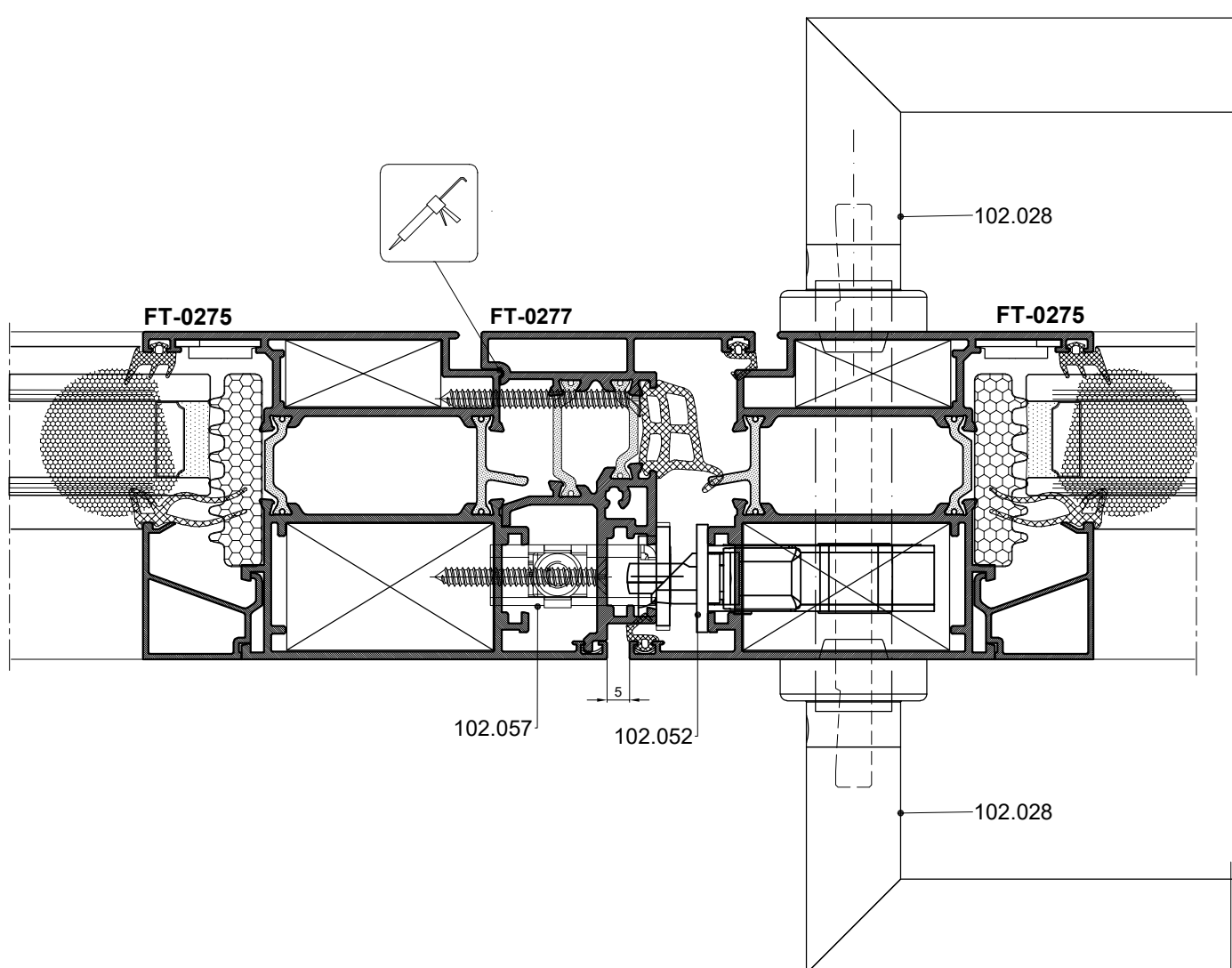
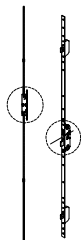
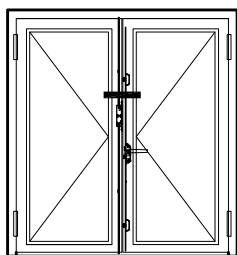




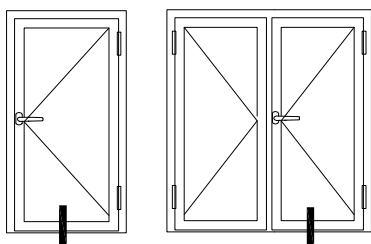
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
TÜR MIT BEIDSEITIGEM UND SIG.SCHLOSS 35 mm-MR2 (GU)



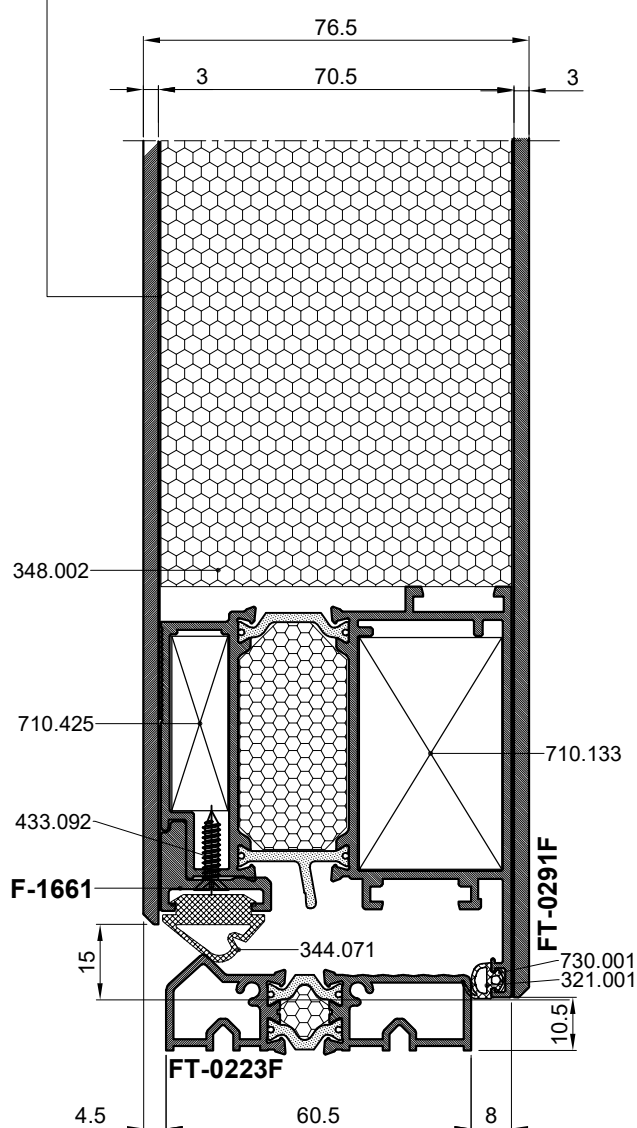
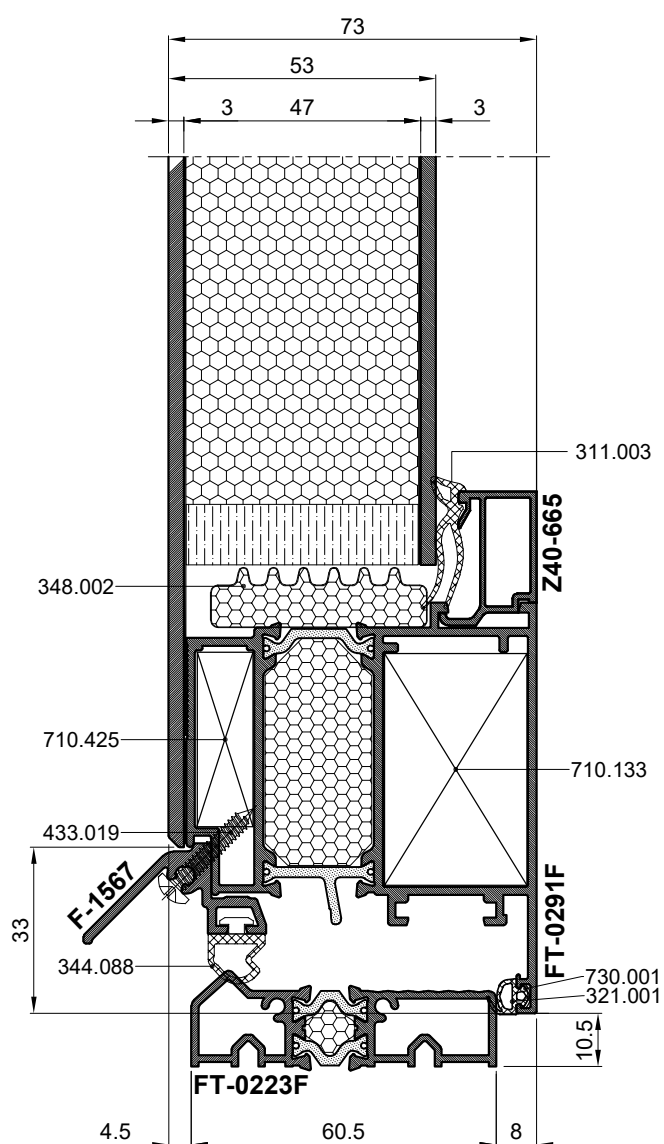
VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
TÜR MIT BEIDSEITIGEM UND SIG.SCHLOSS 35 mm-MR2 (GU)

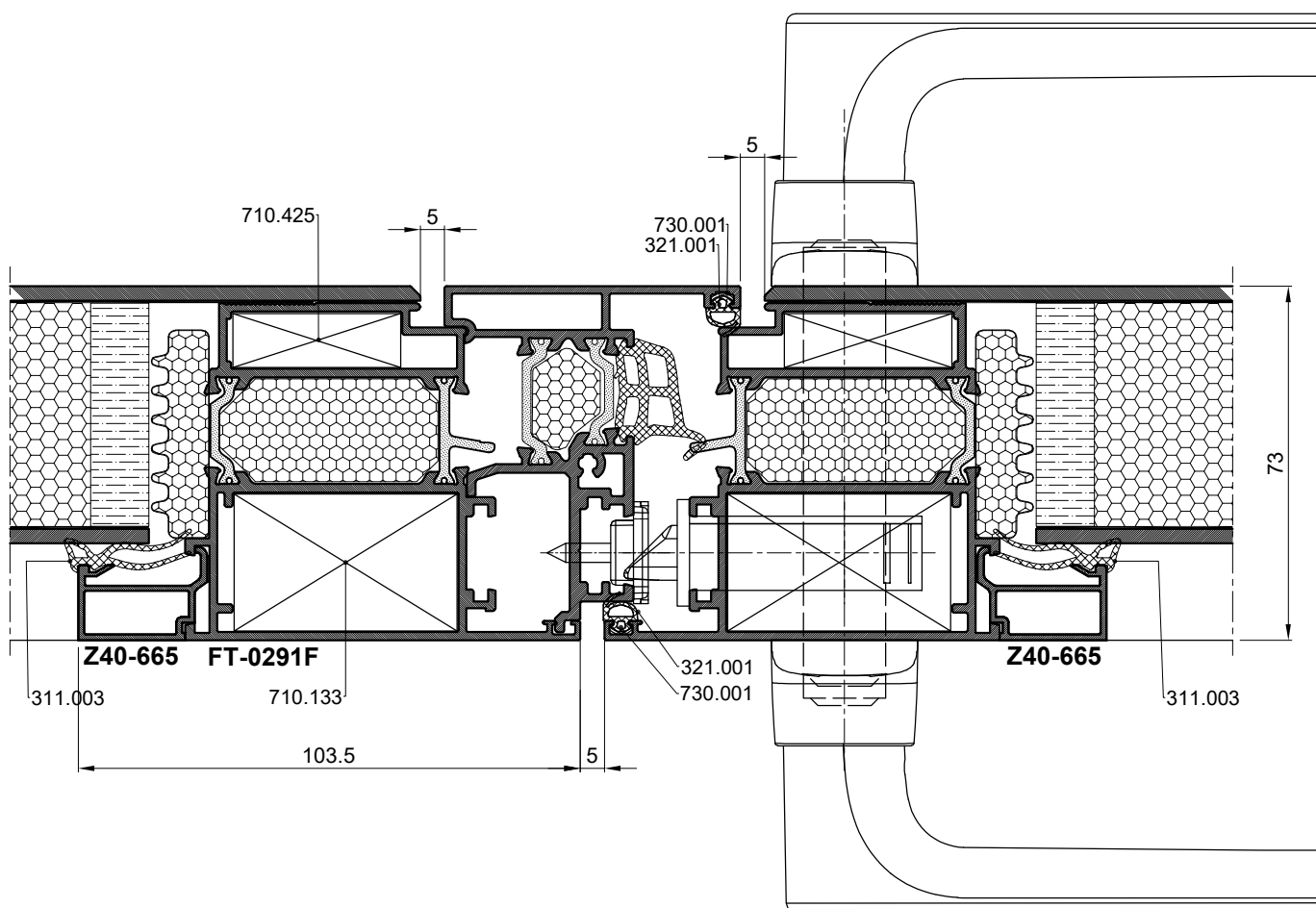
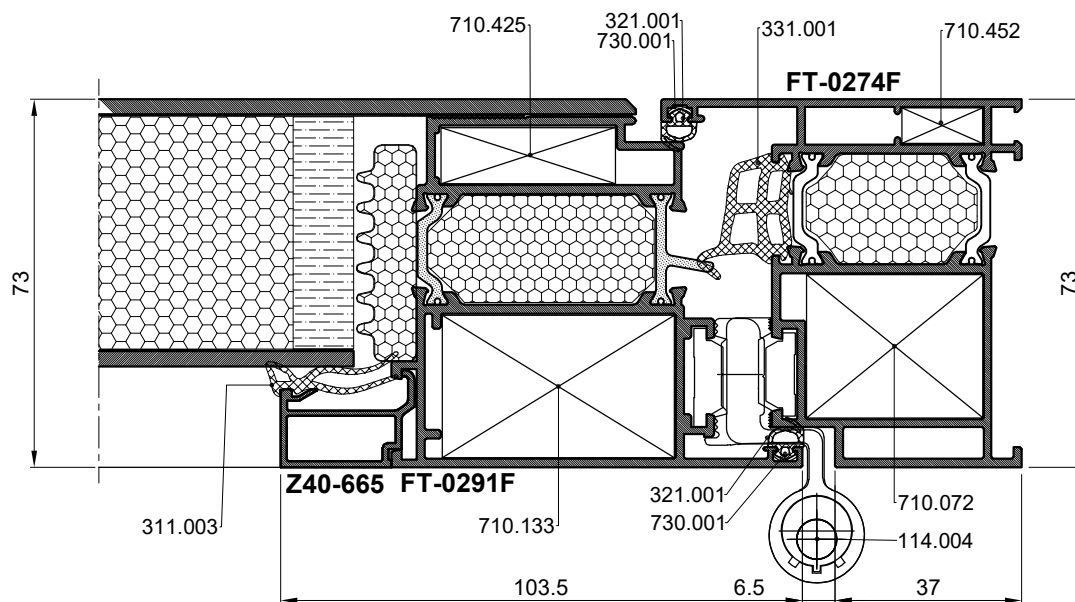
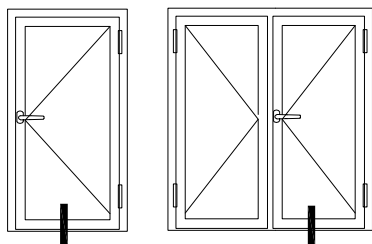


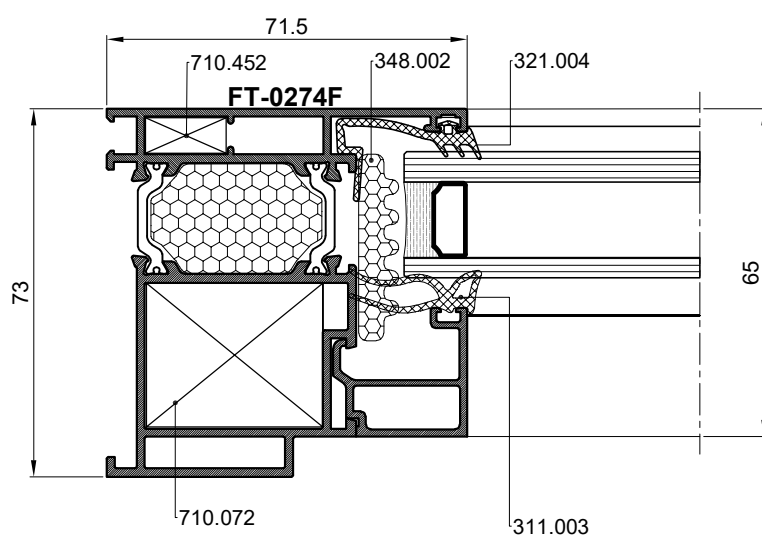
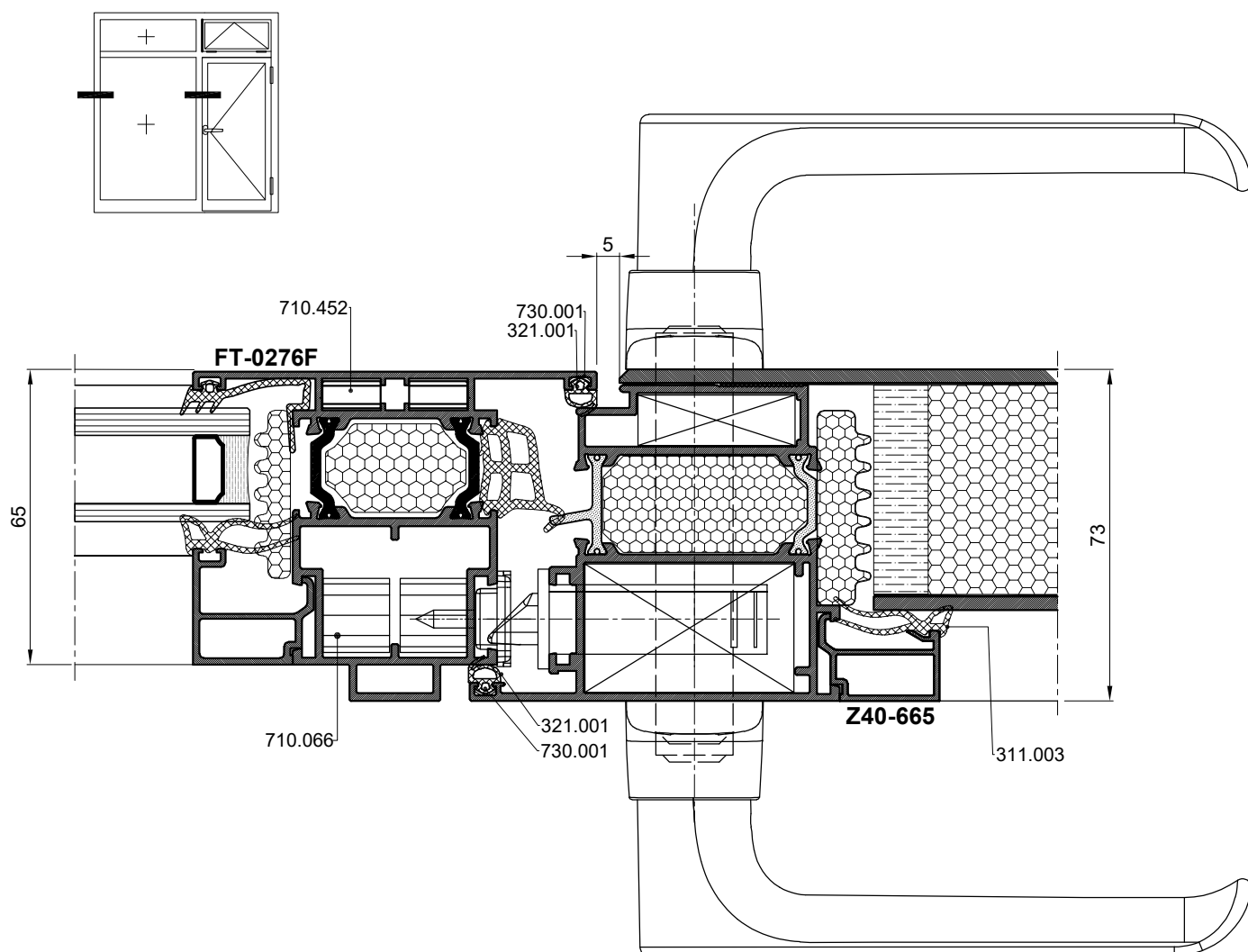
ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

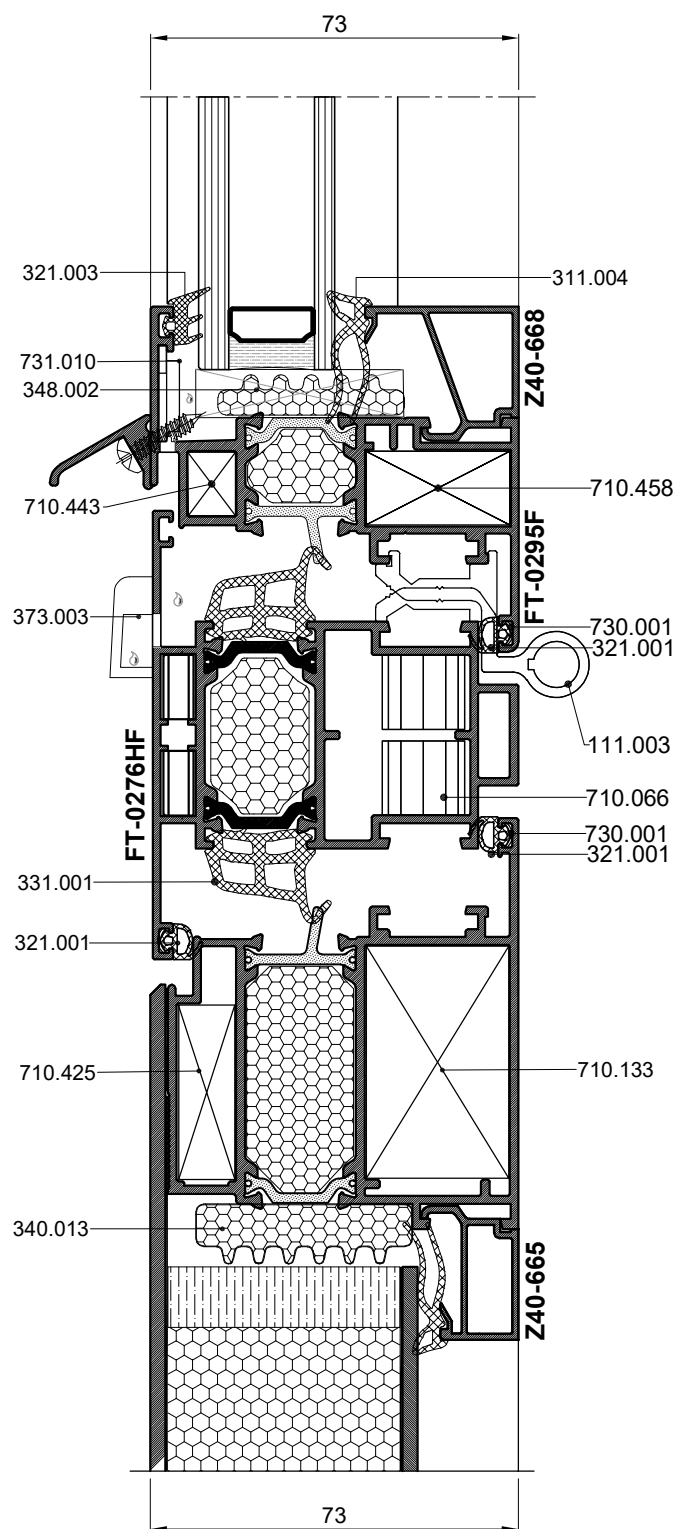
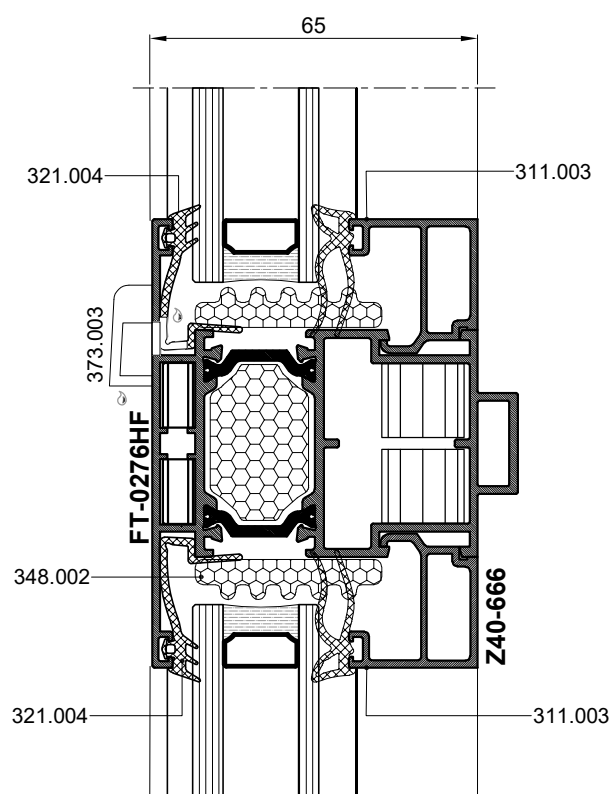
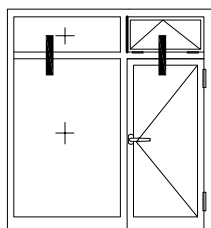


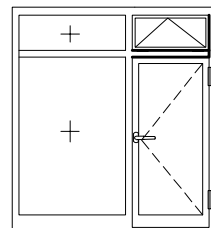
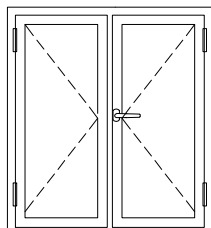
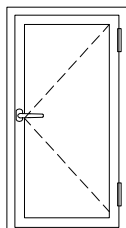
Terostat T-8519-primer-414.001
 Terostat MS 9399 (Loctite)-ljepilo-414.002
 Terostat T-8519P-primer-414.001
 Terostat MS 9399 (Loctite)-kleber-414.002

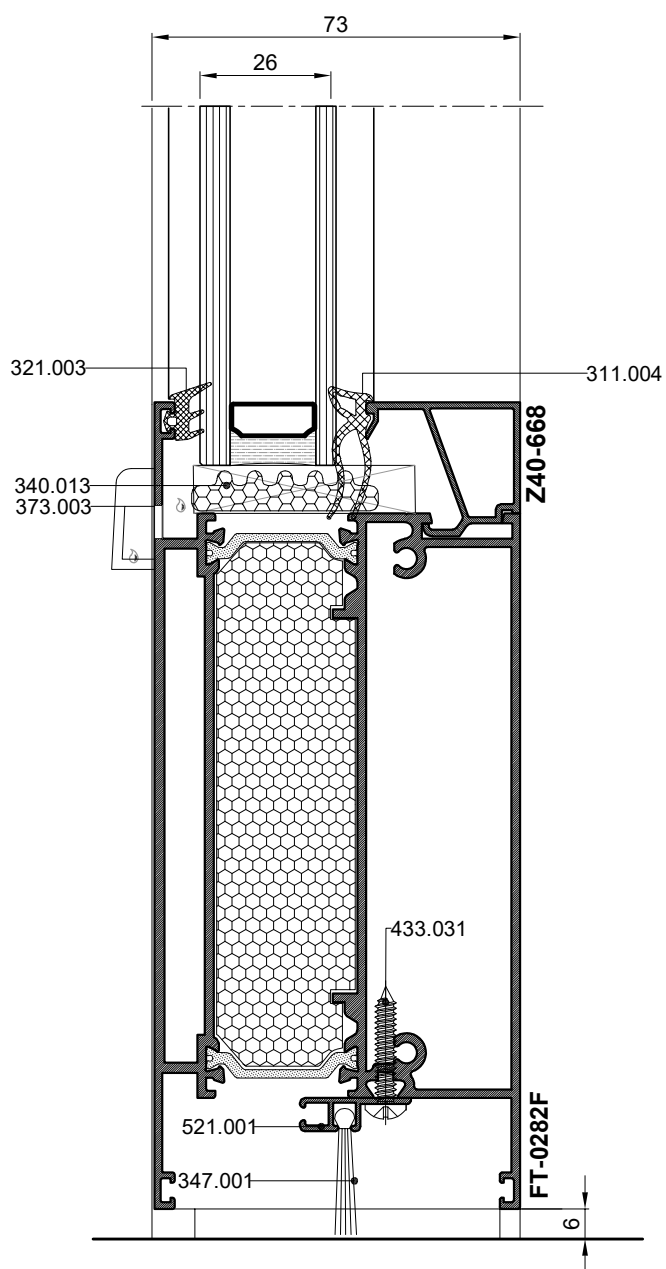
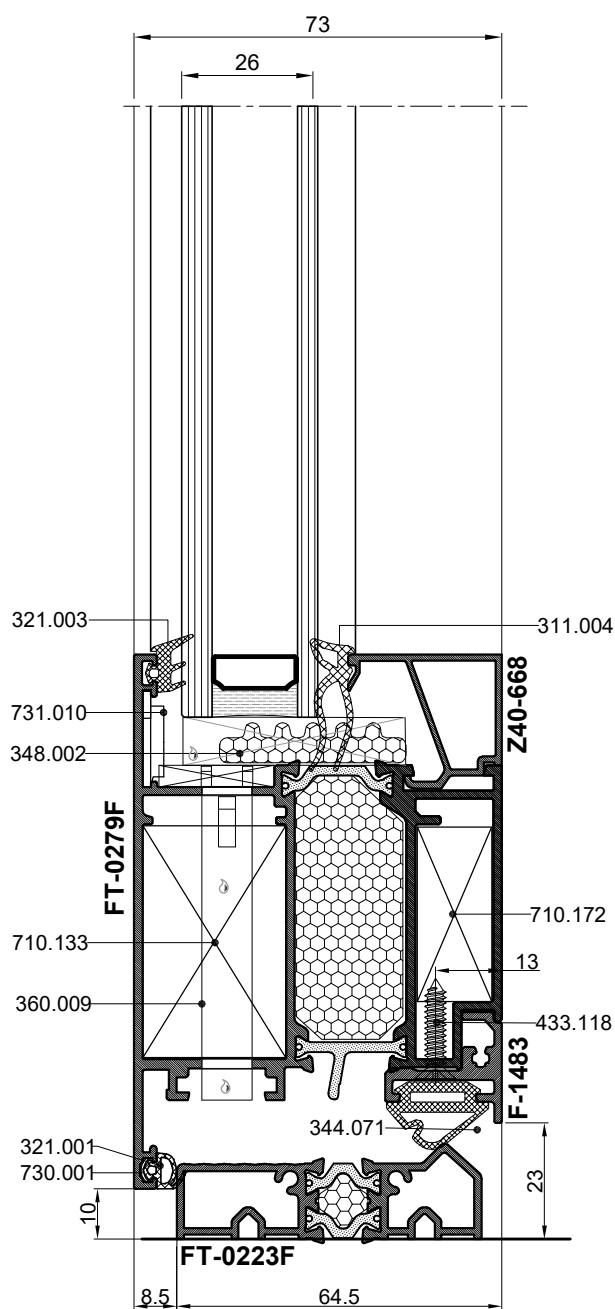
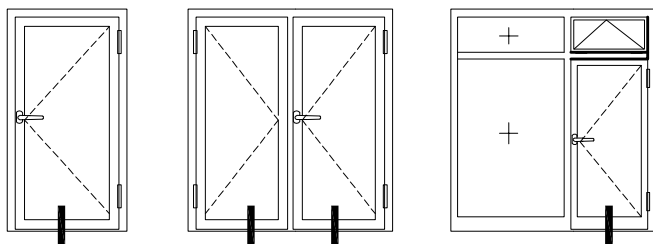


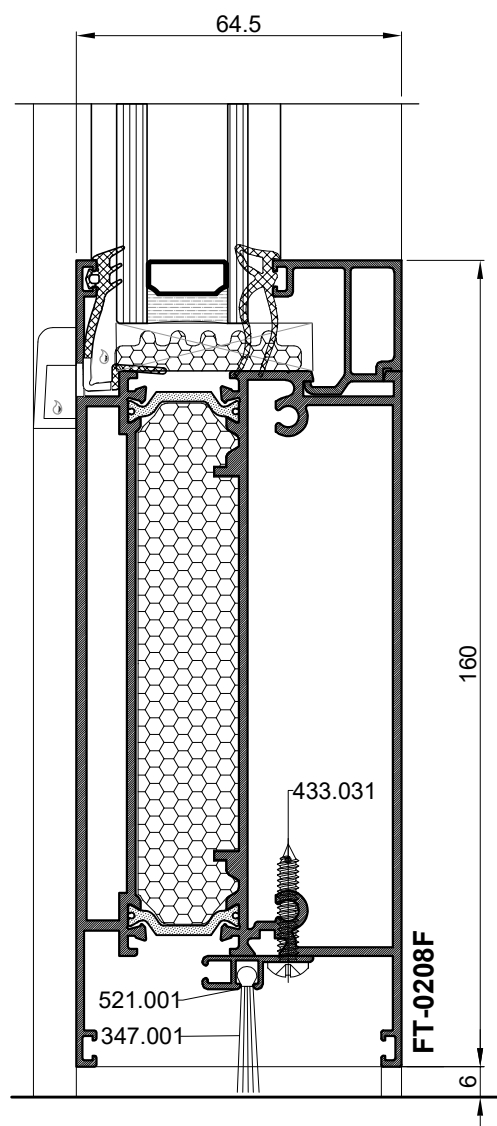
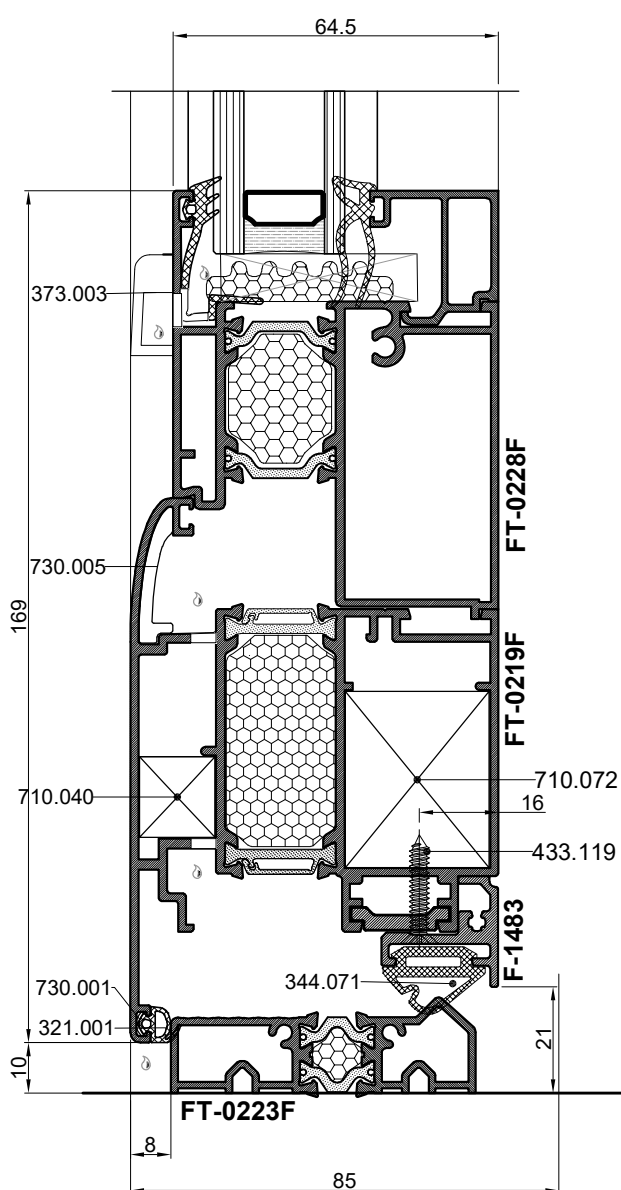
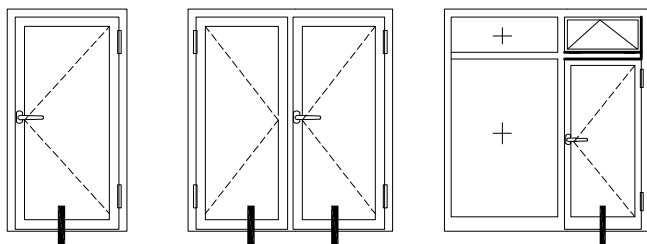


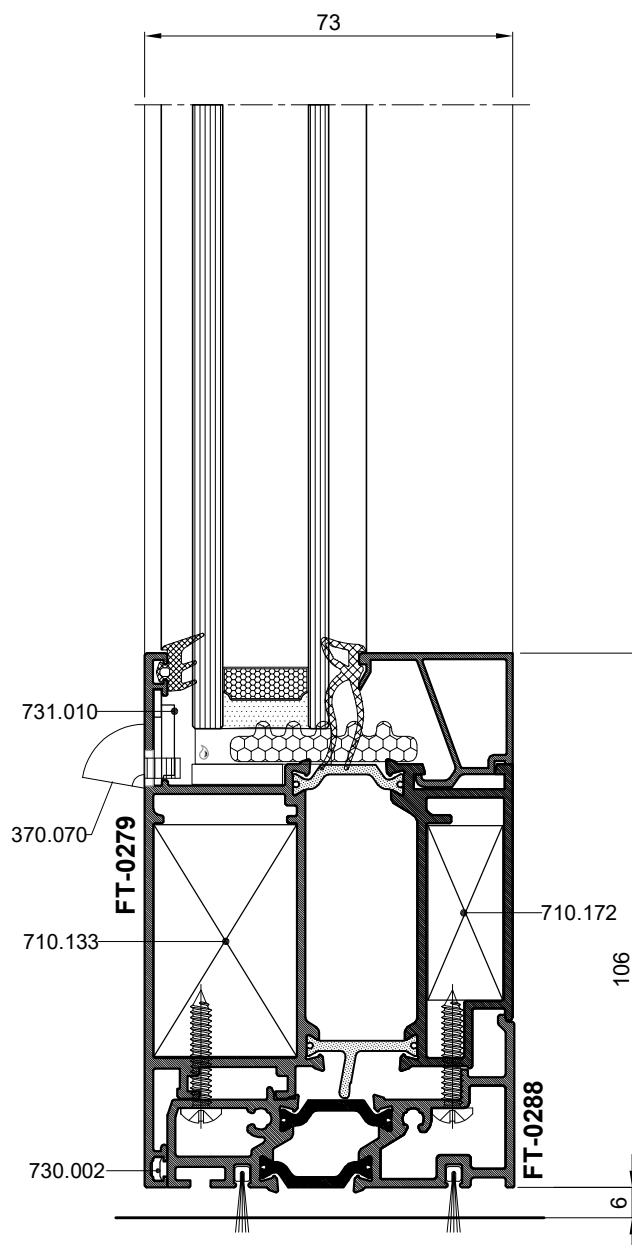
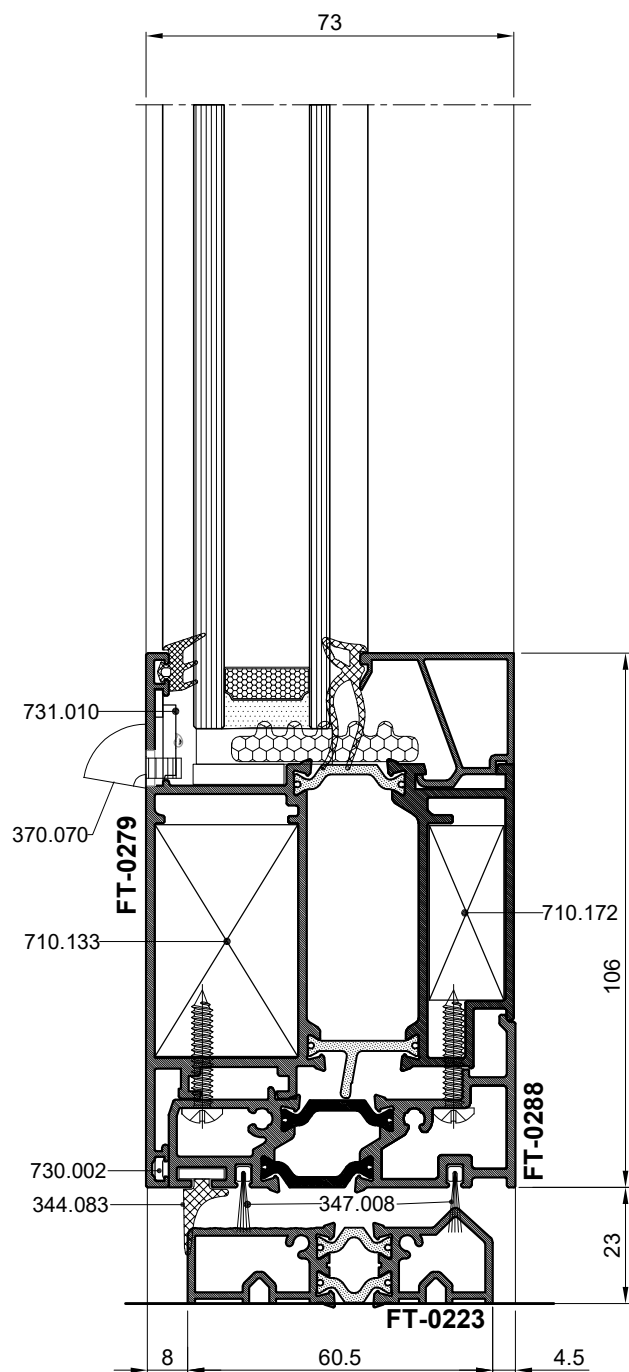
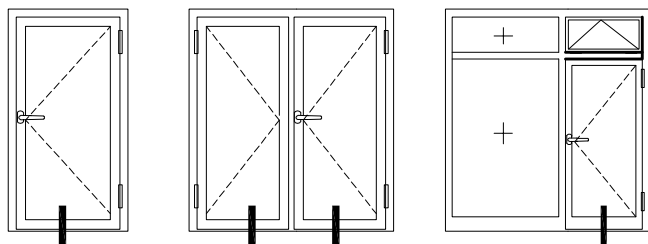


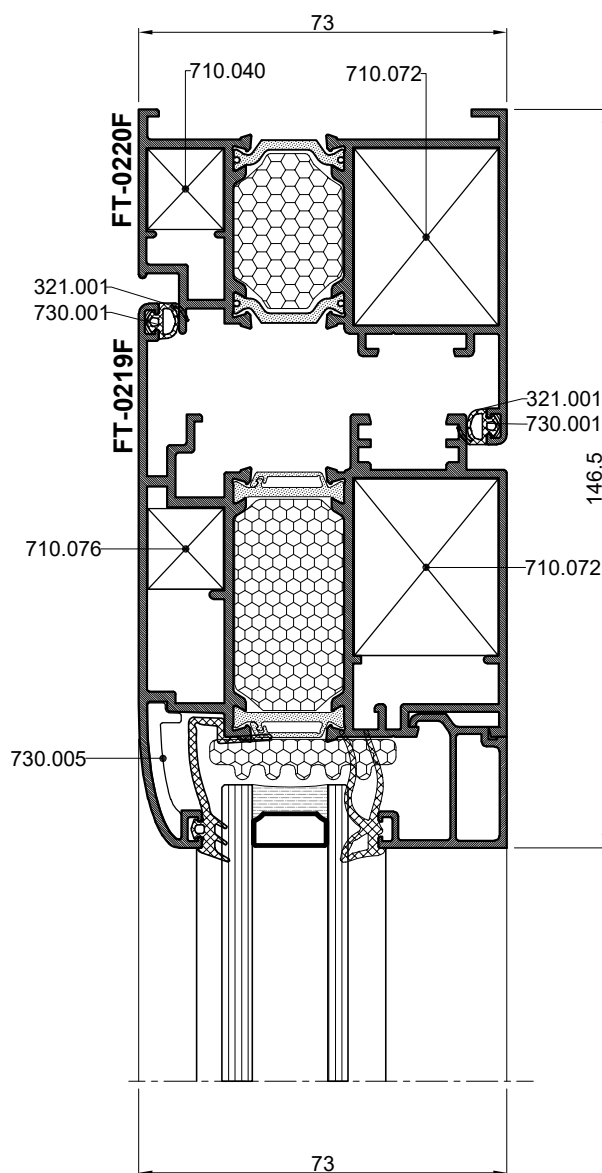
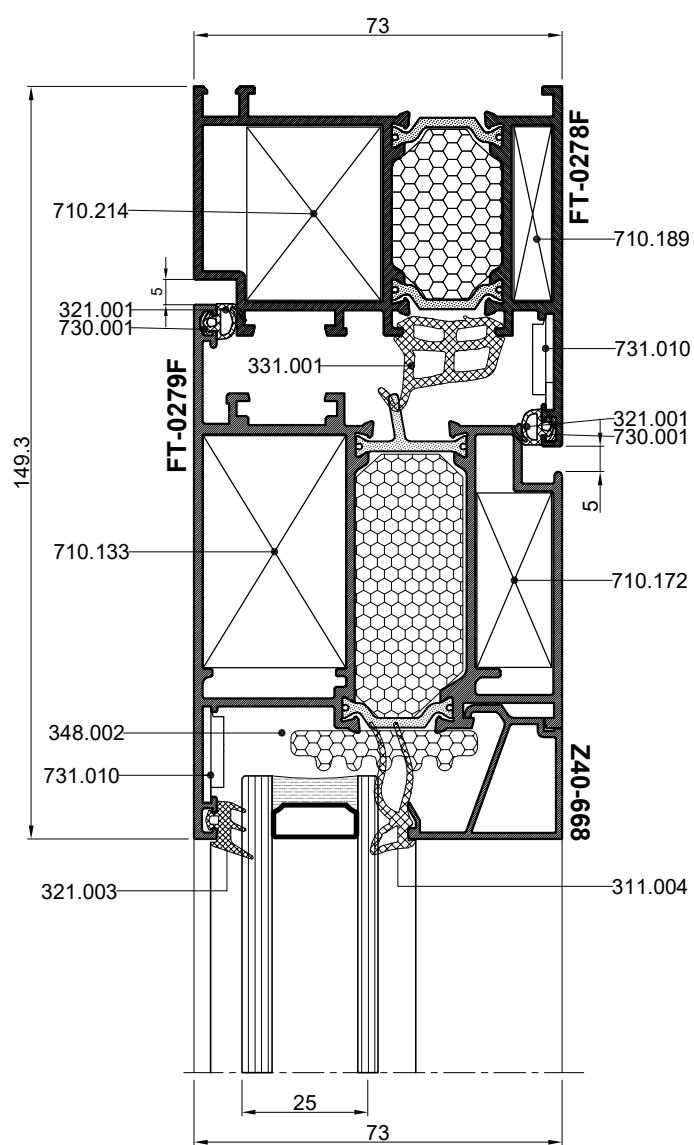
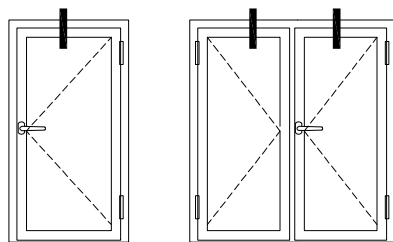


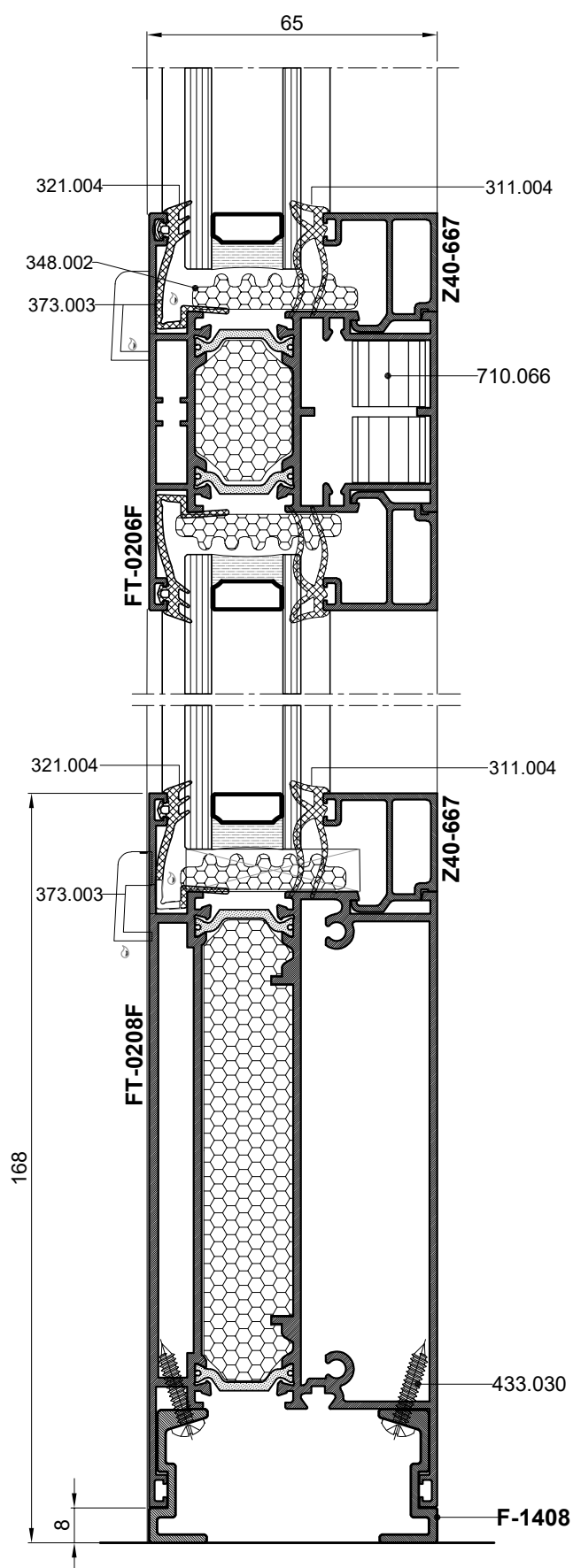
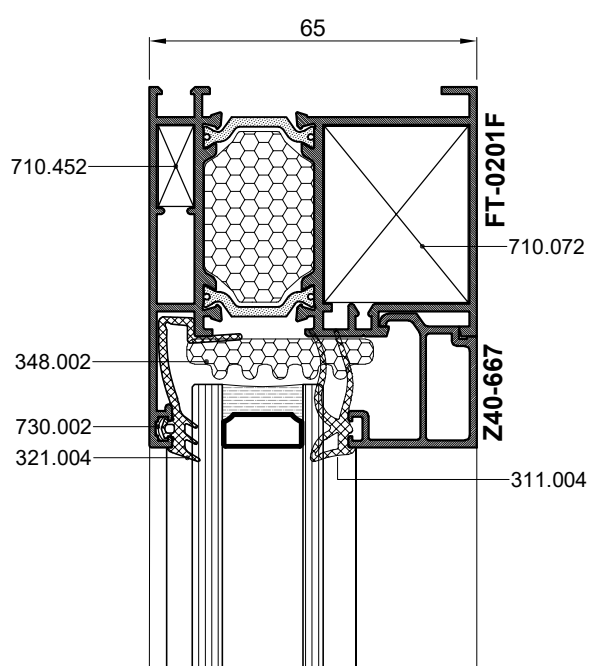
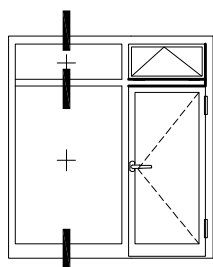


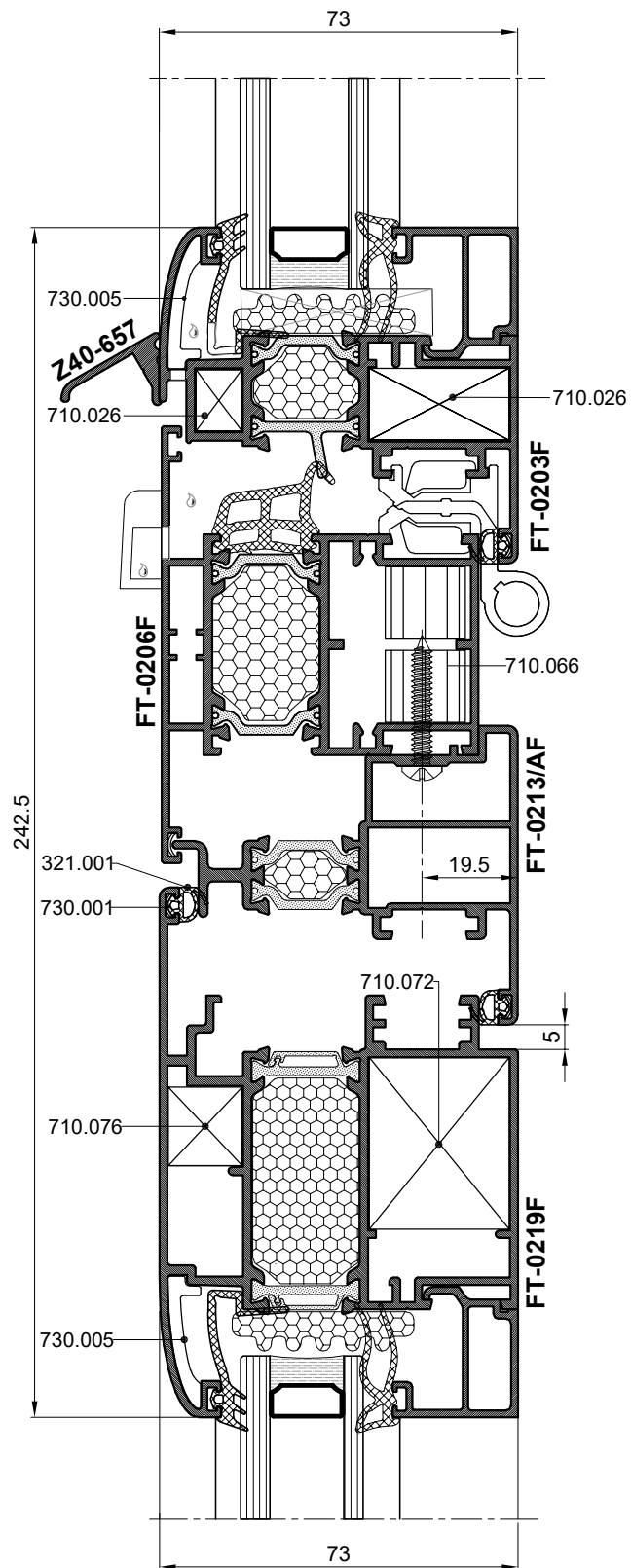
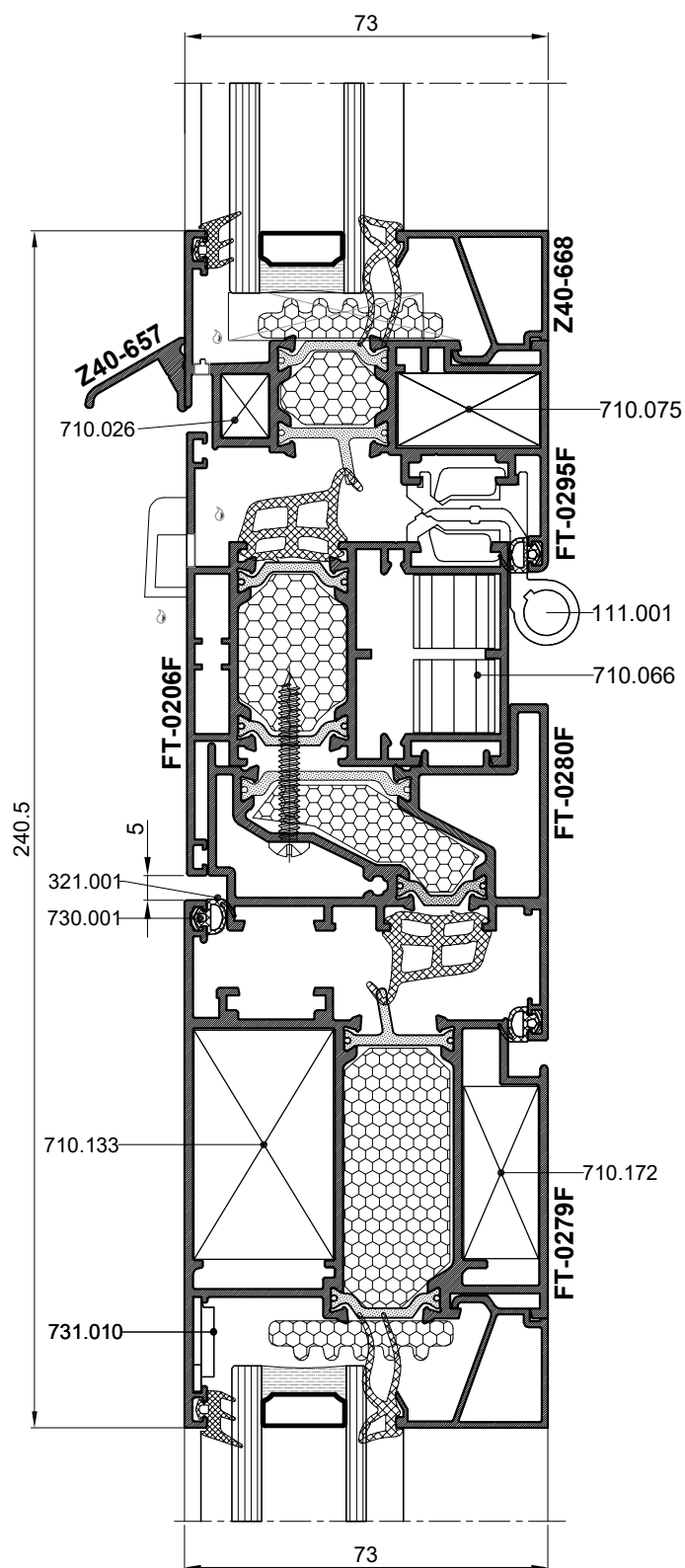
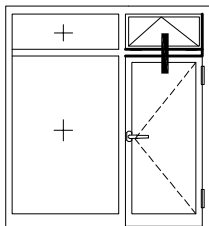


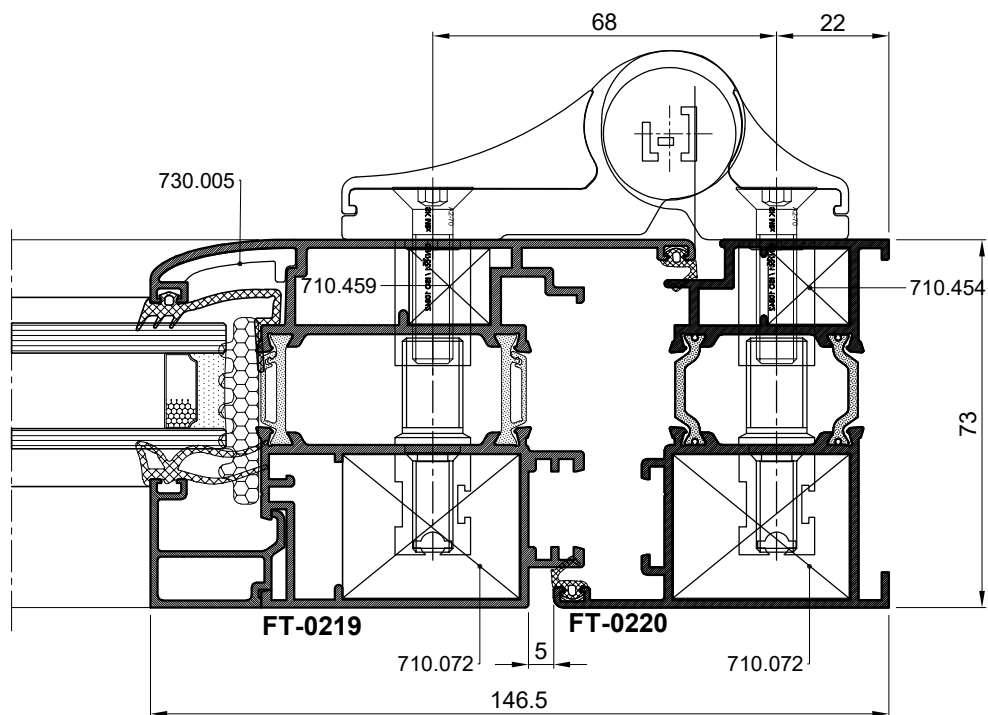
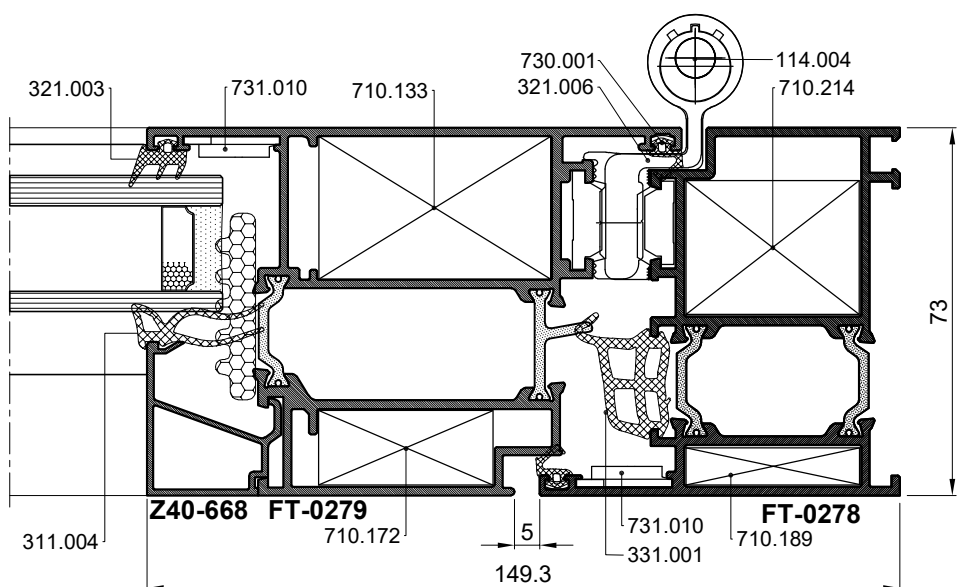
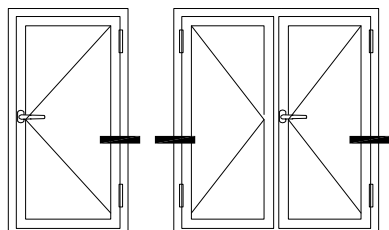


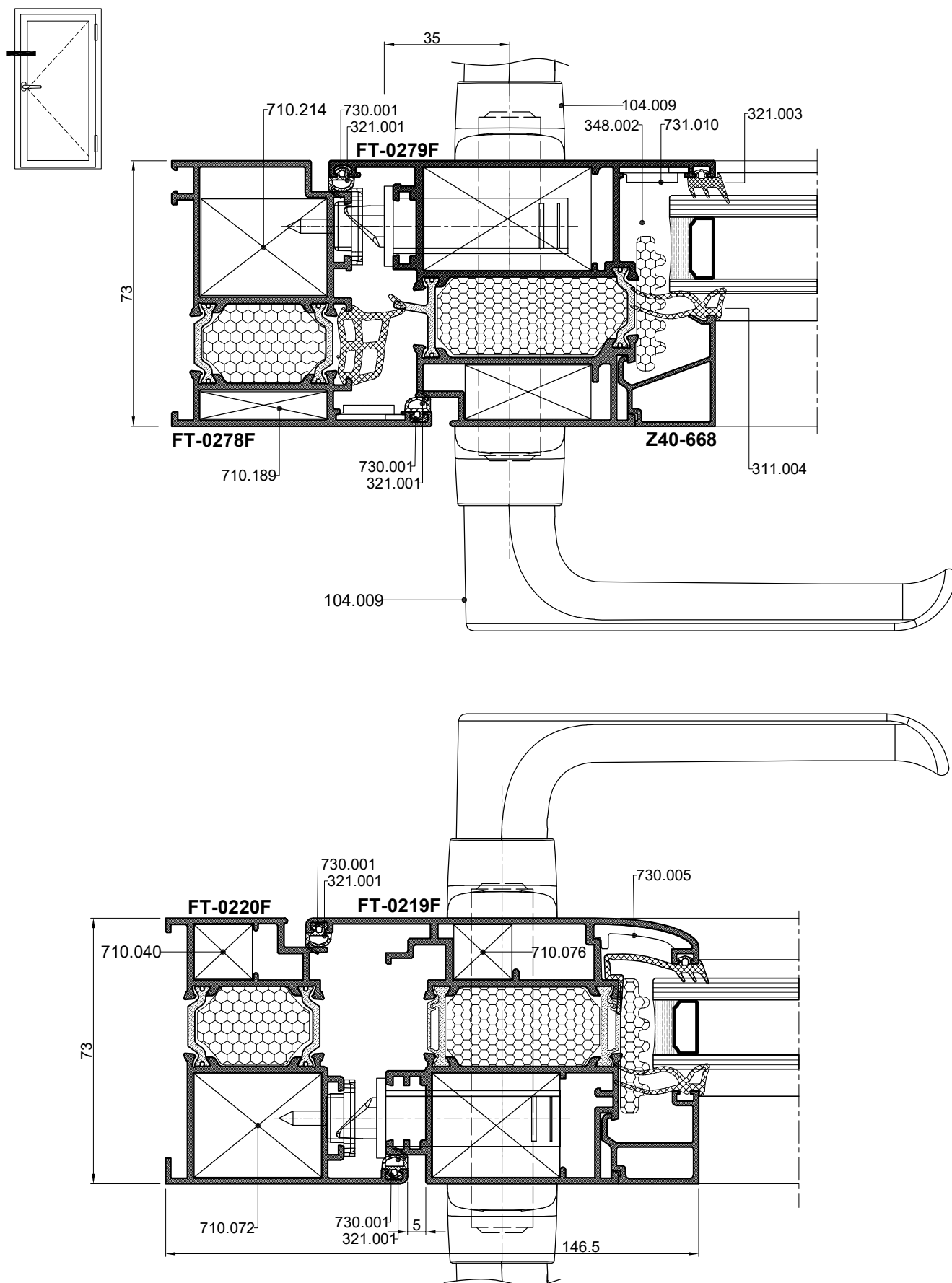


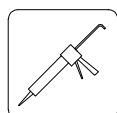
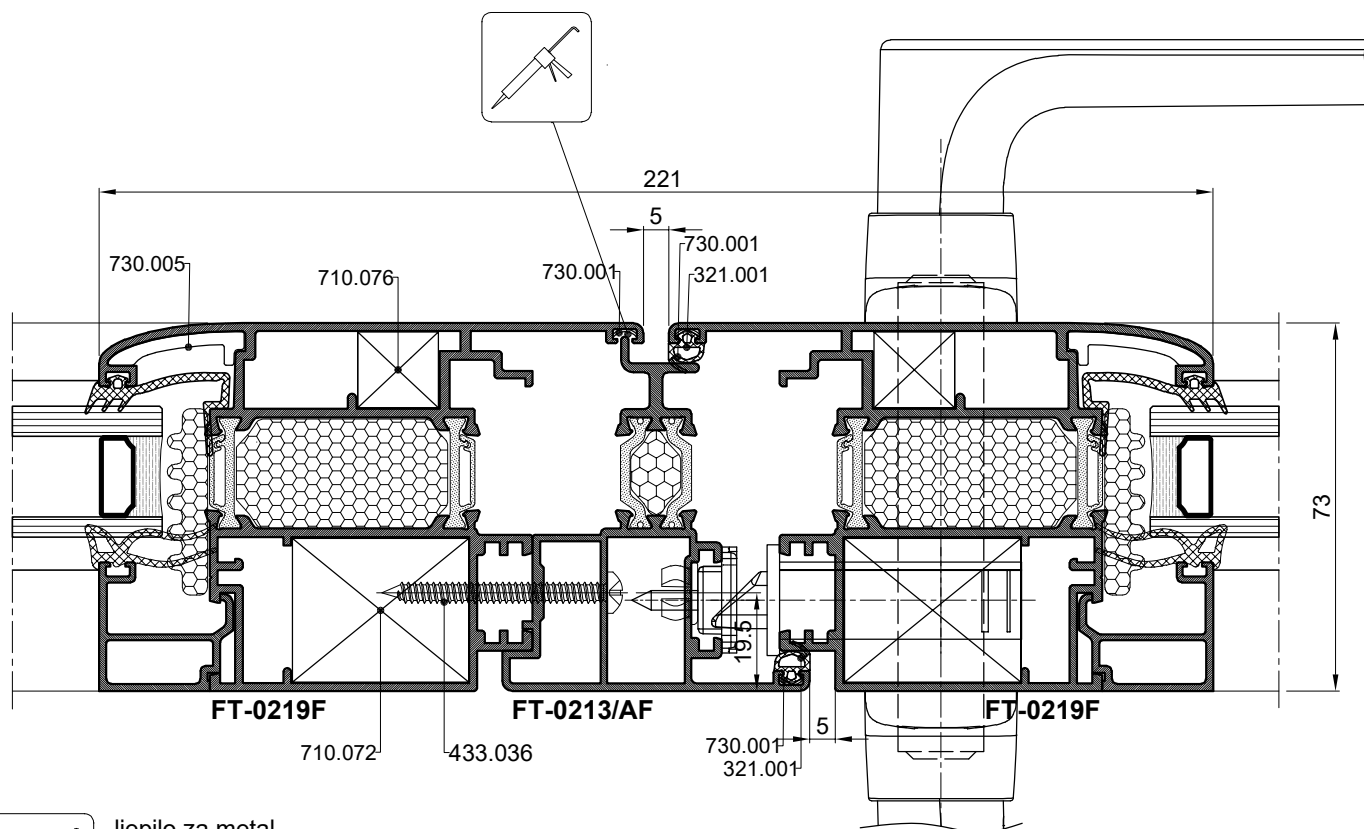
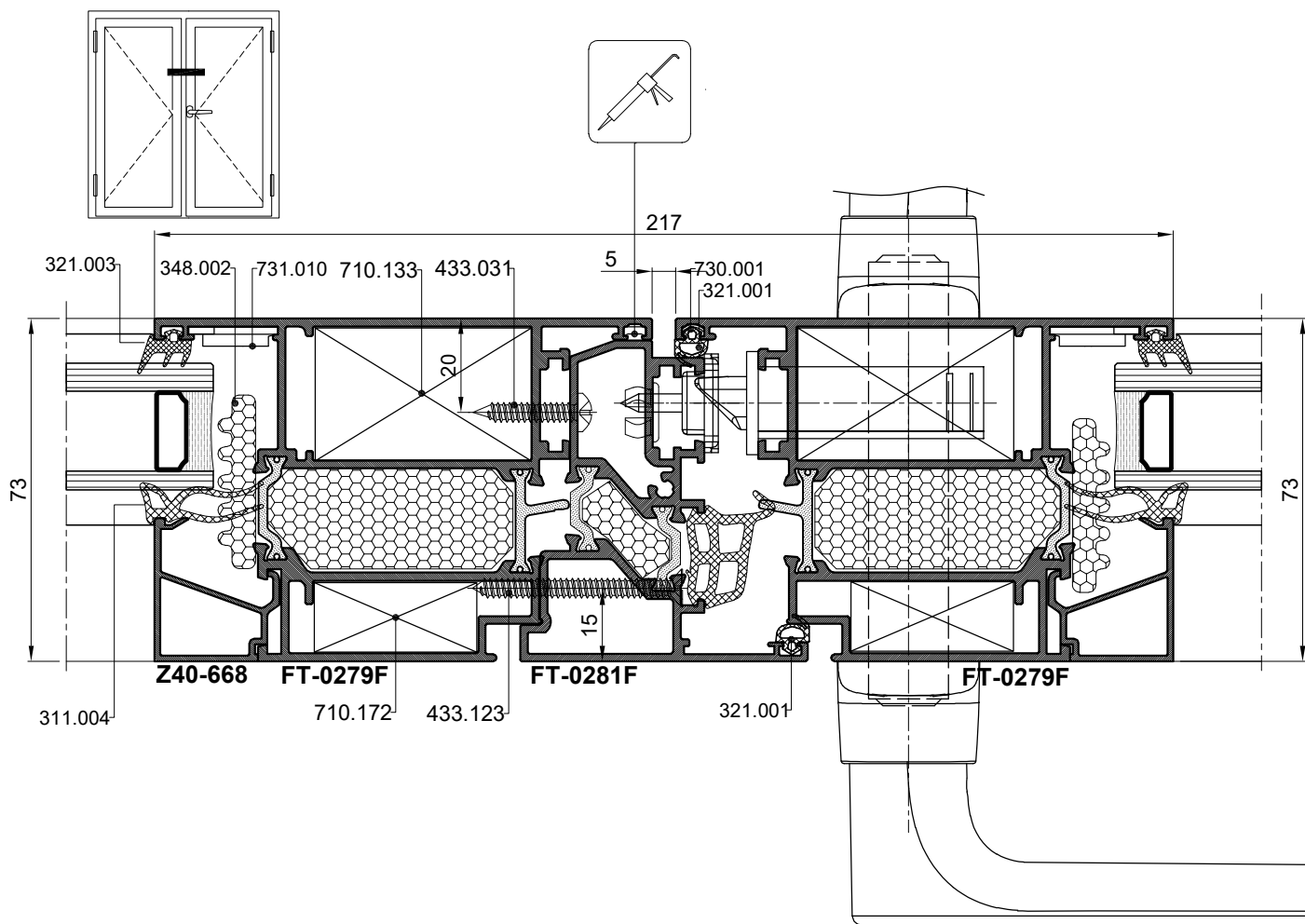




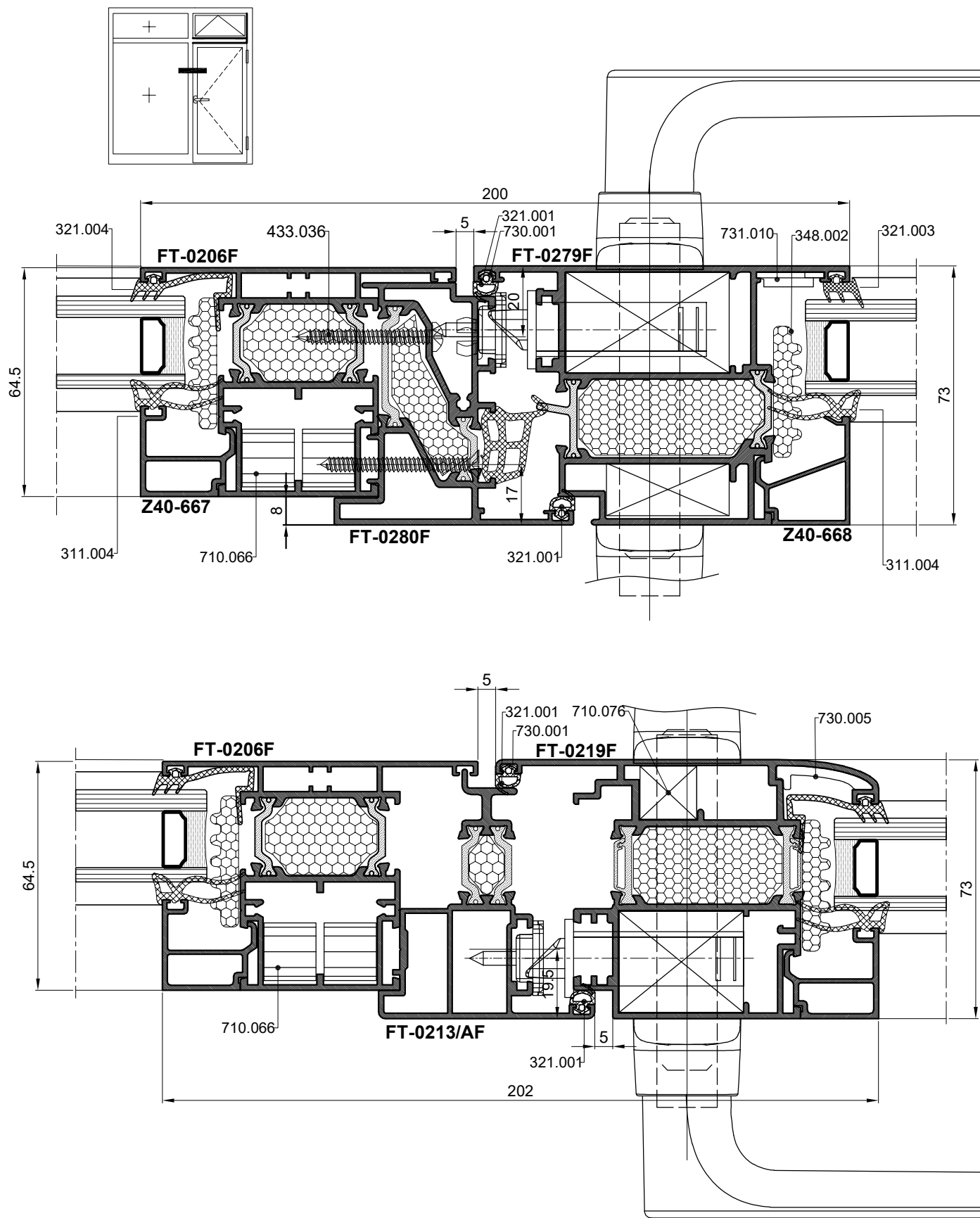


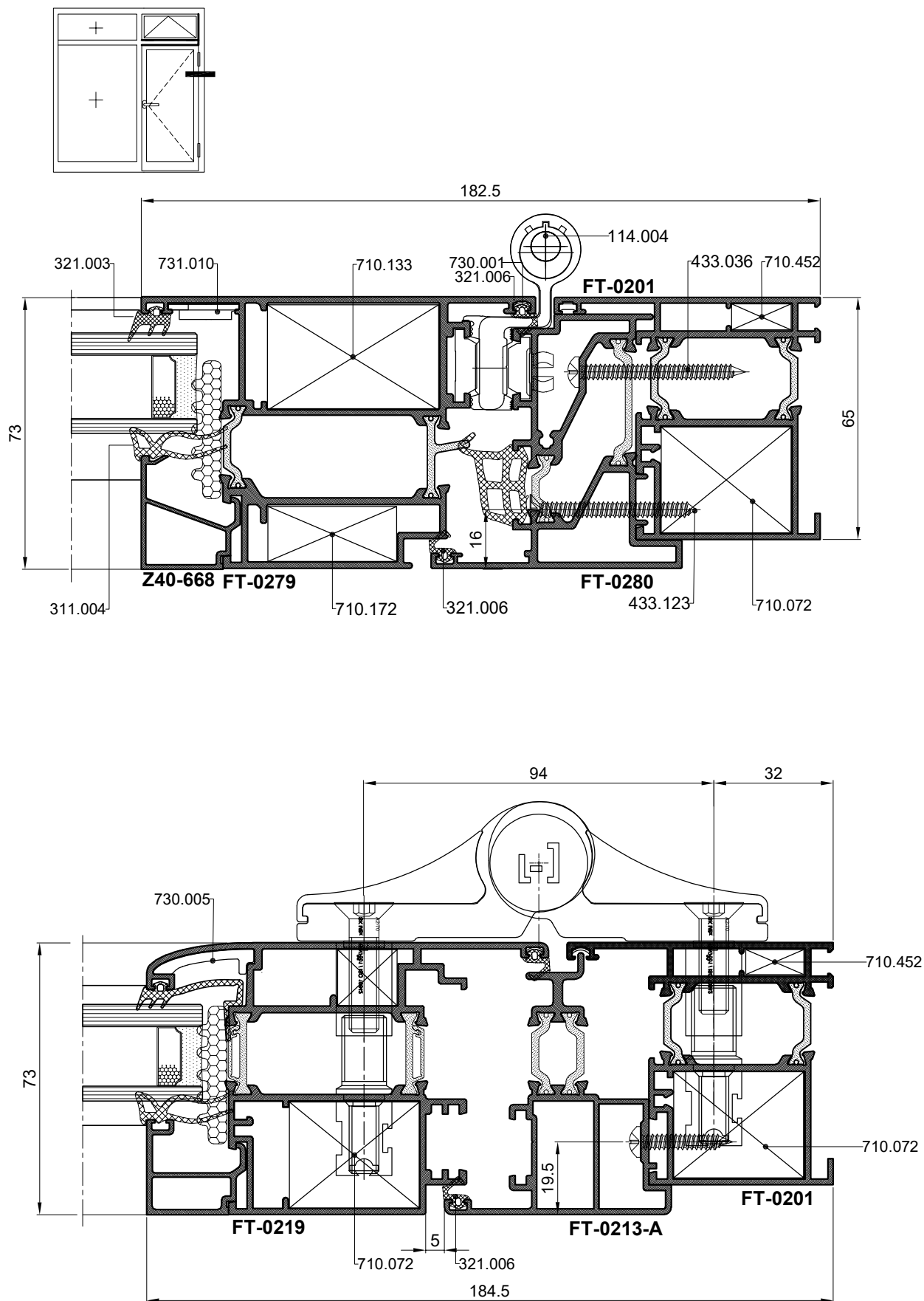


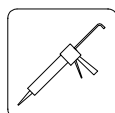
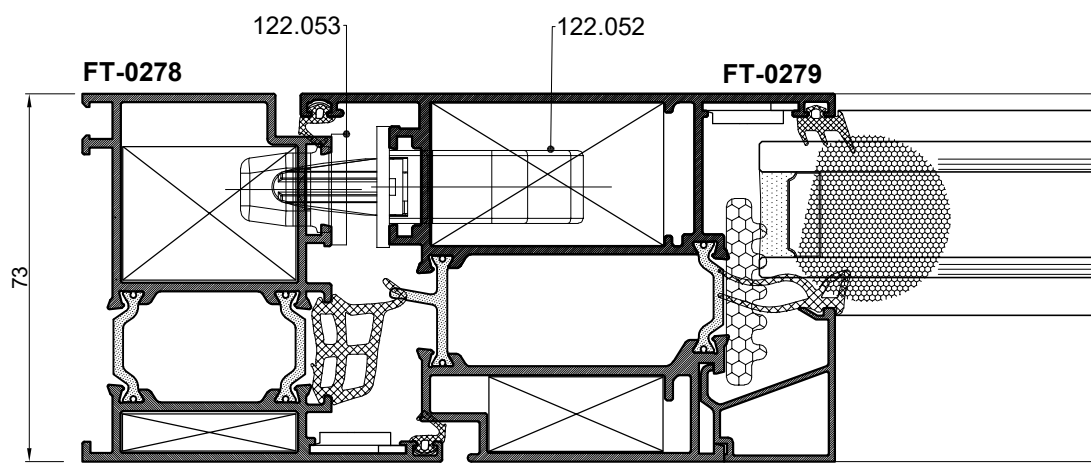
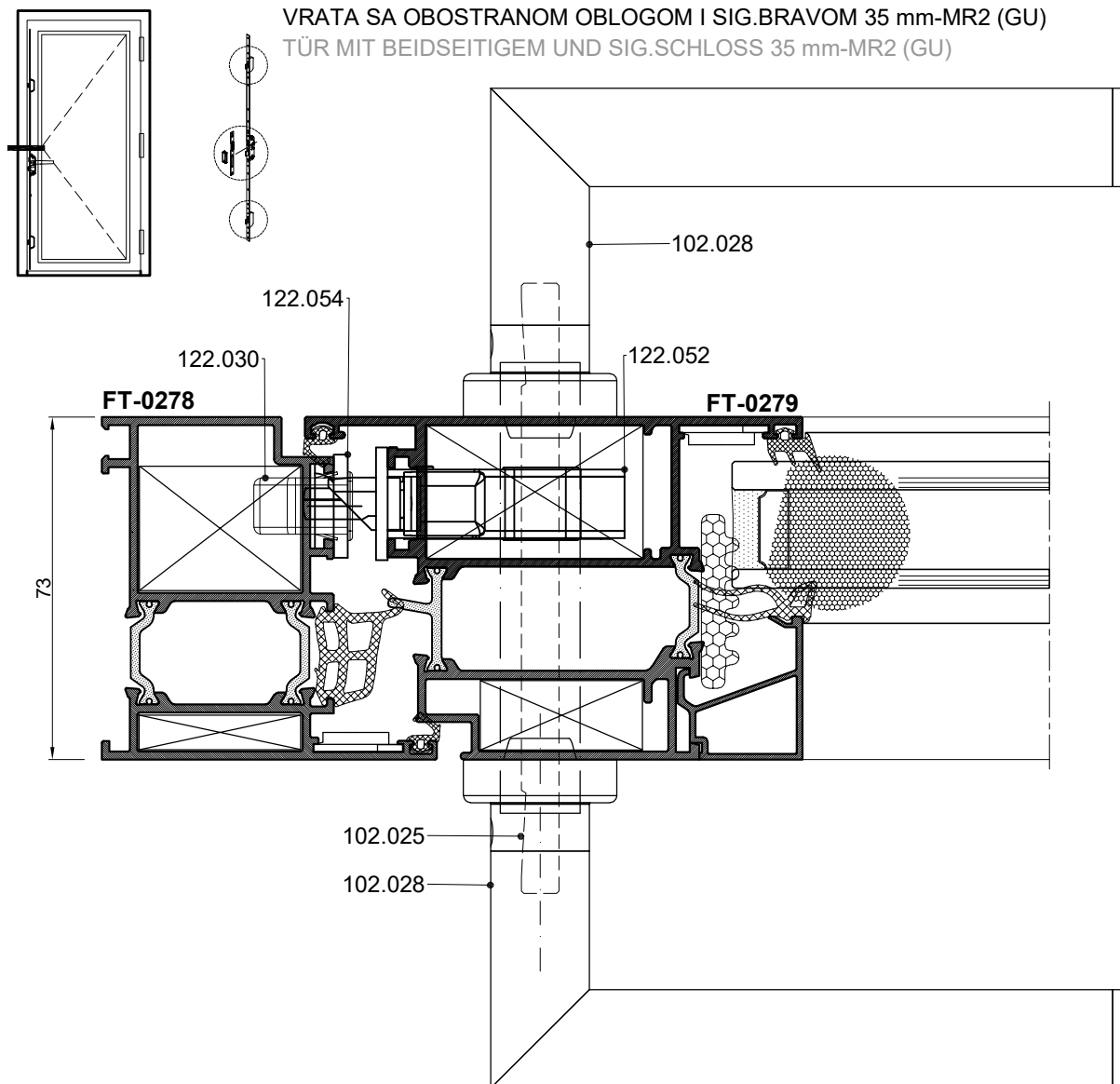




ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

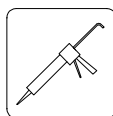
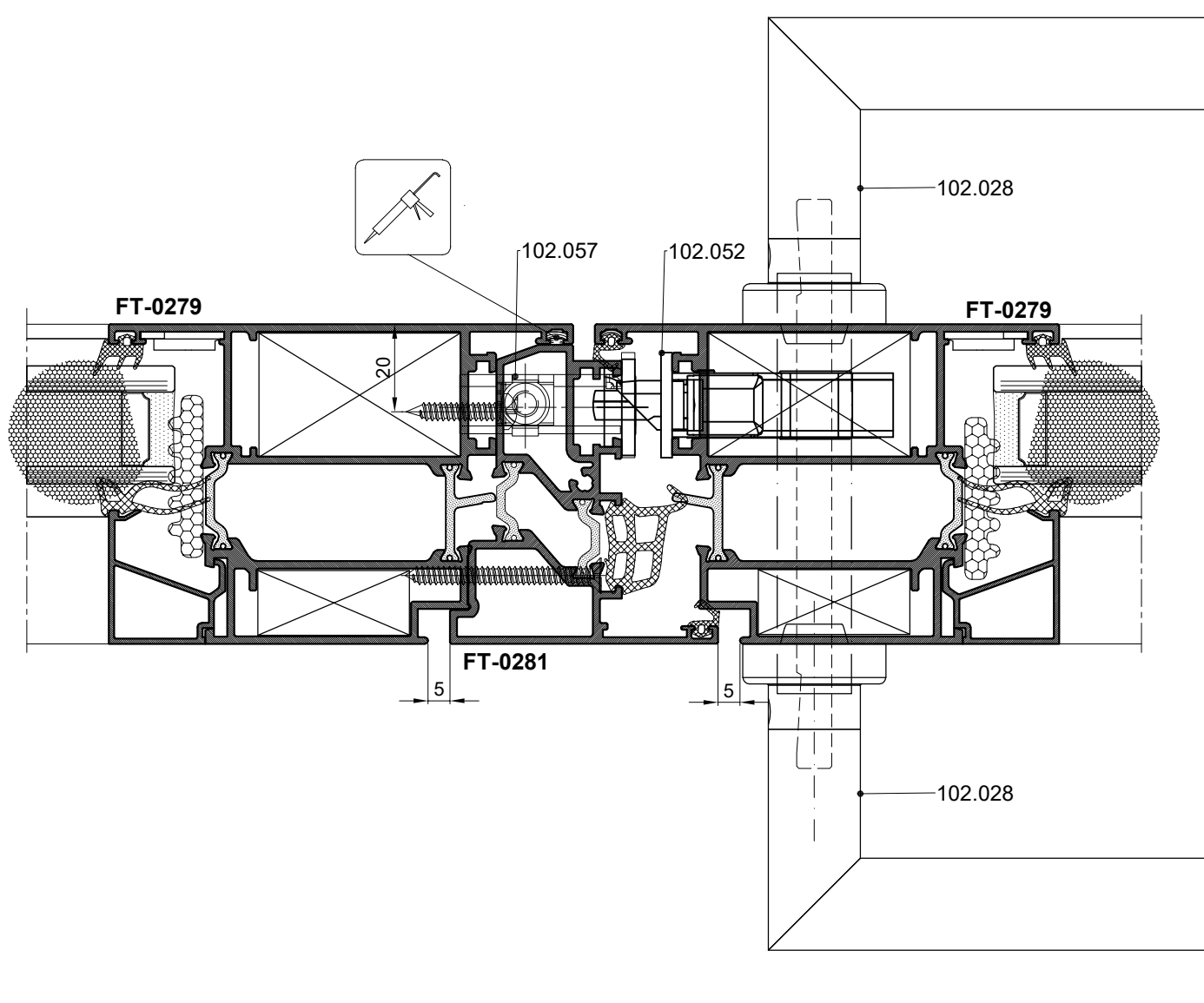
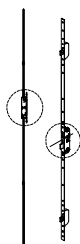
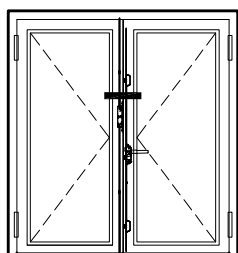




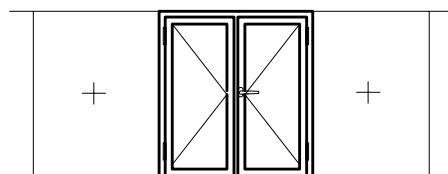
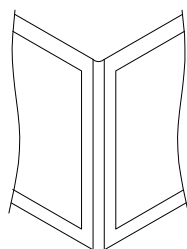
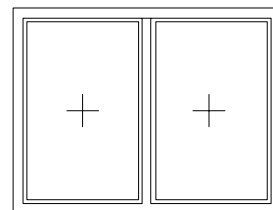
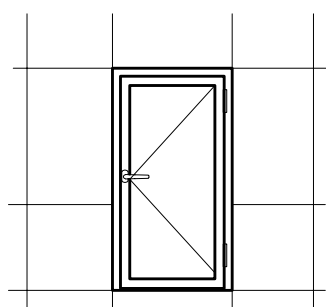
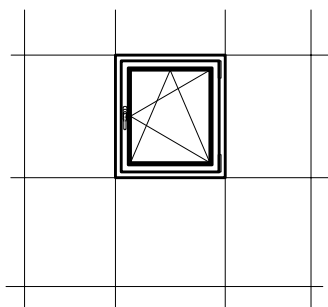


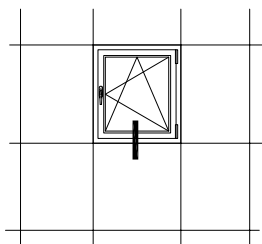
ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

VRATA SA OBOSTRANOM OBLOGOM I SIG.BRAVOM 35 mm-MR2 (GU)
TÜR MIT BEIDSEITIGEM UND SIG.SCHLOSS 35 mm-MR2 (GU)

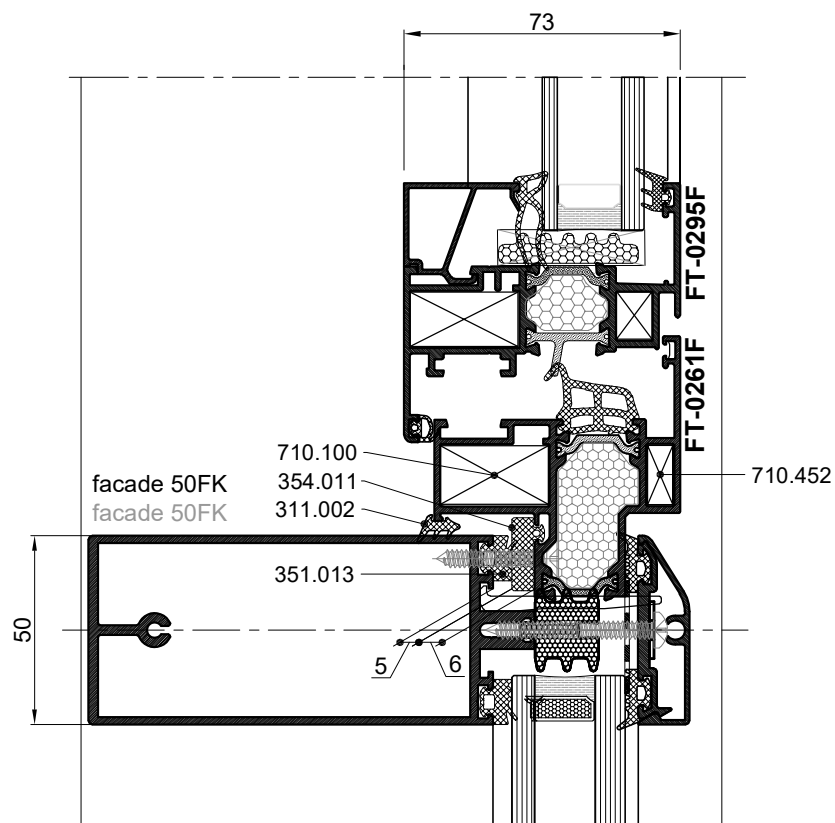
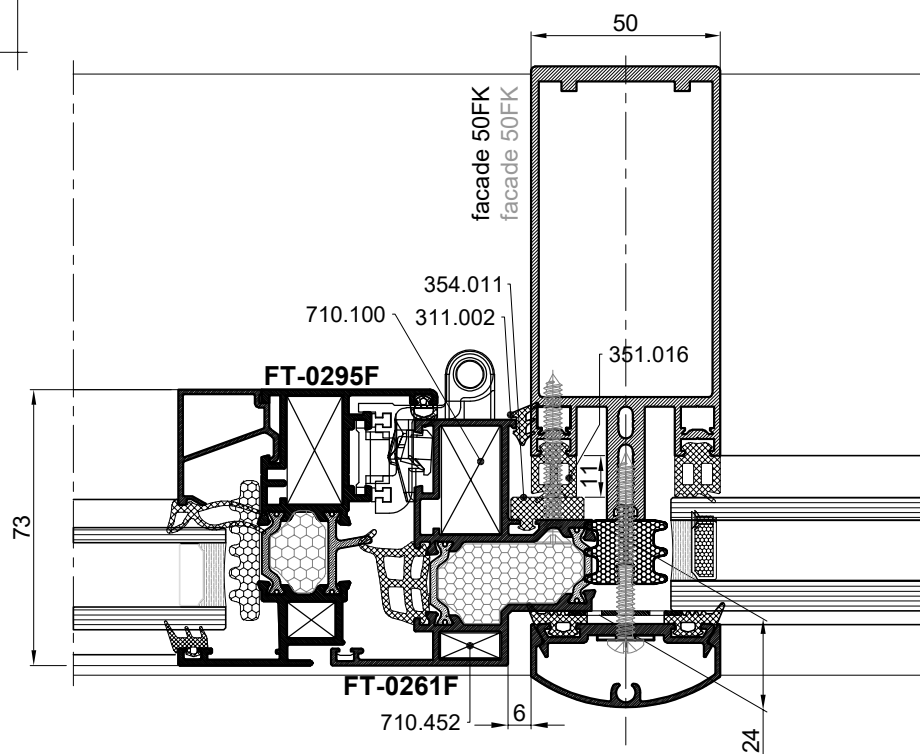


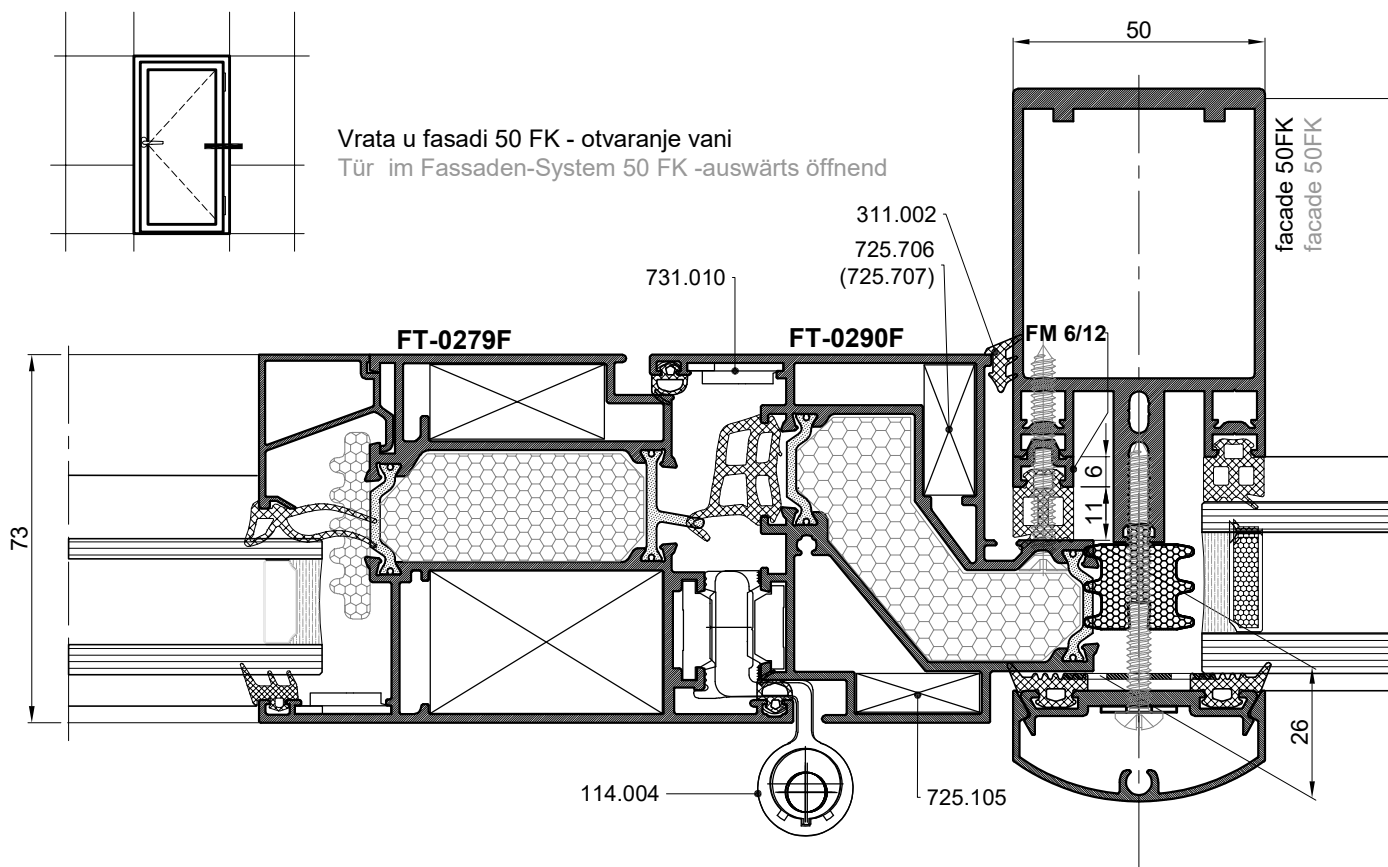
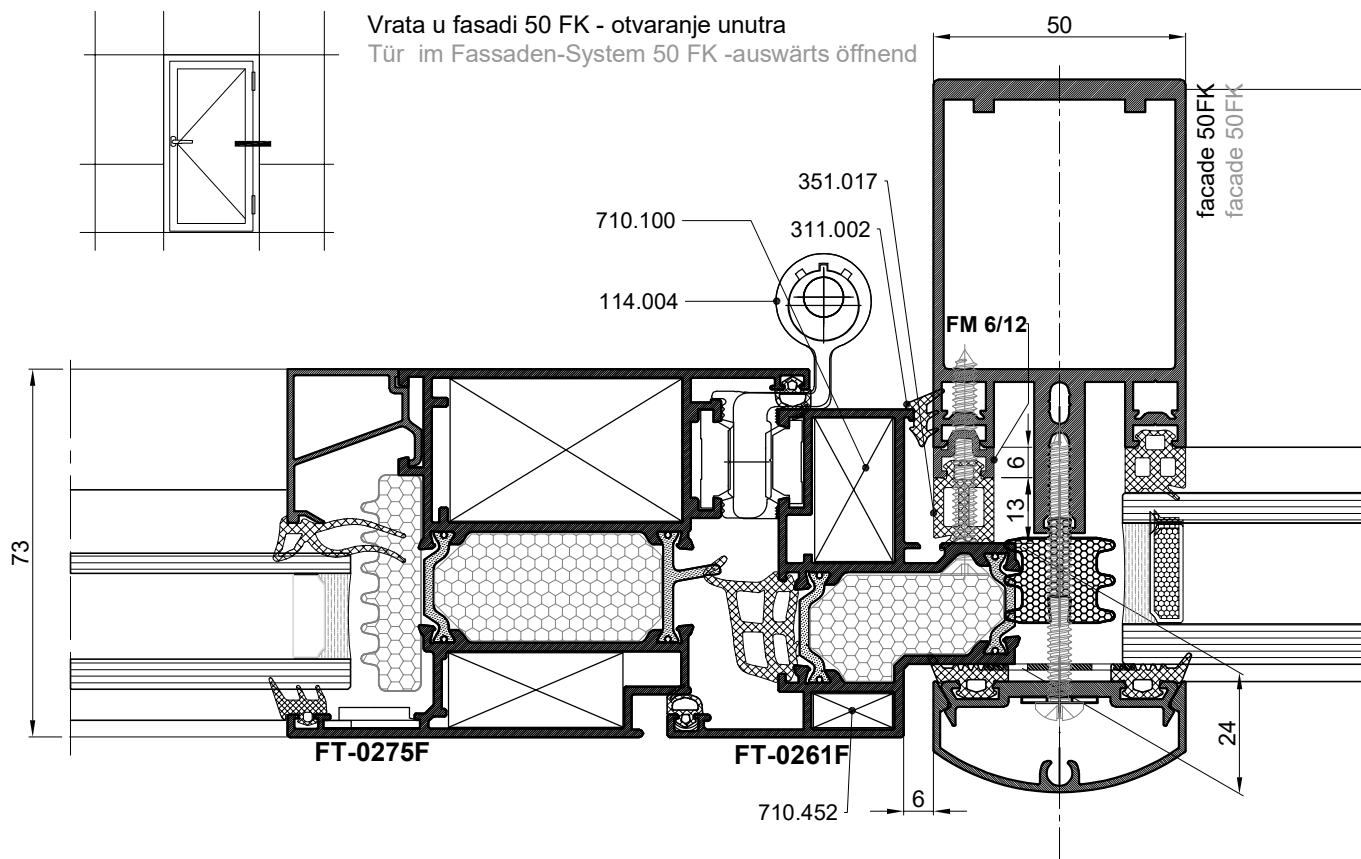
ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

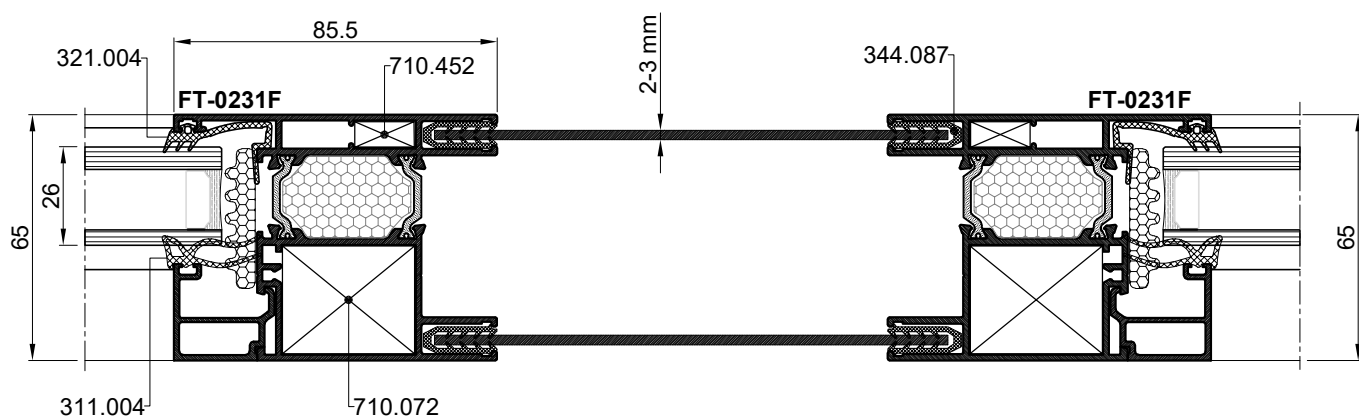
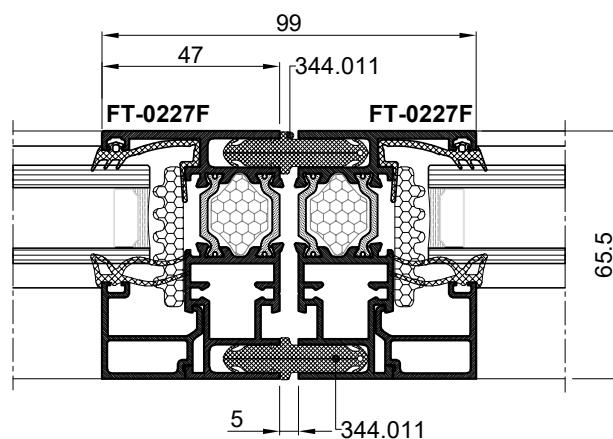
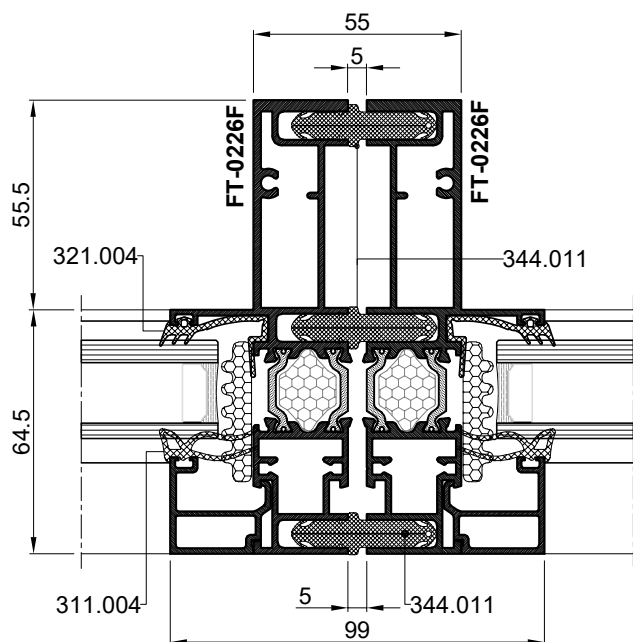
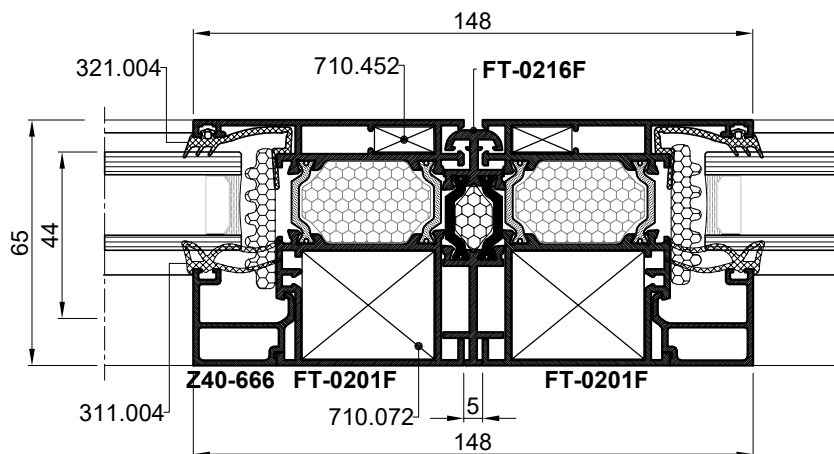
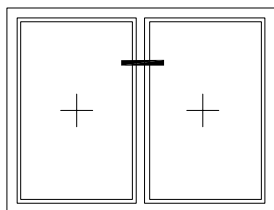




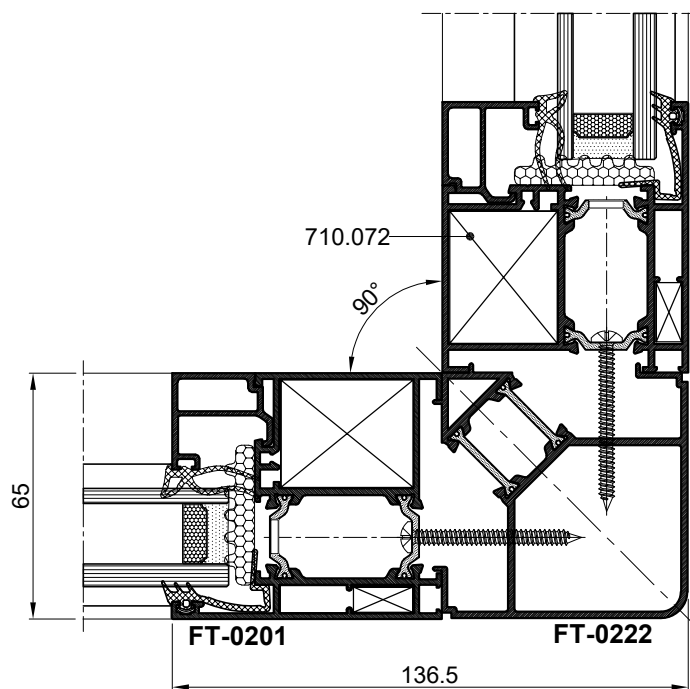
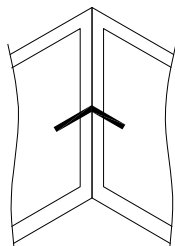
Prozor u fasadi 50 FK
Fenster im Fassaden-System 50 FK



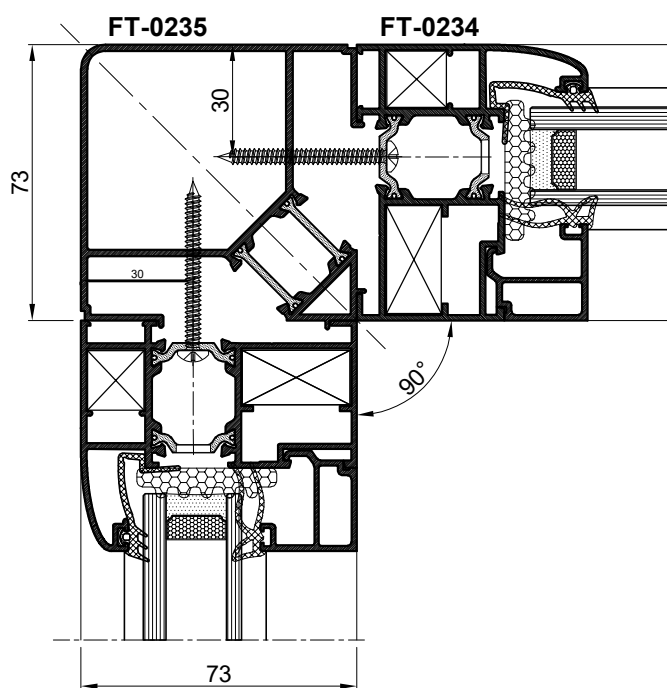




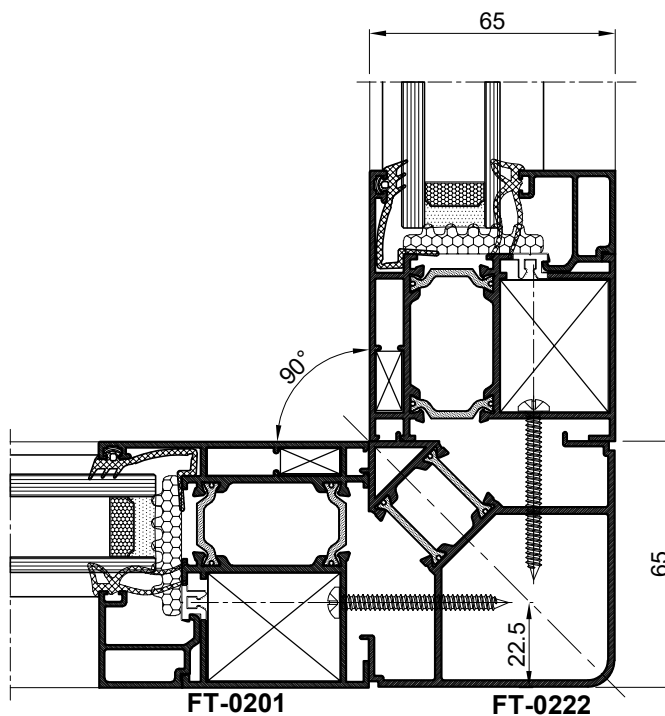
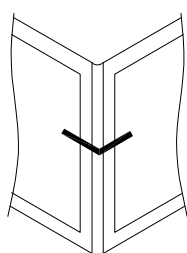
KUT 90° - PREMA VANI
90°-WINKEL - NACH AUSSEN



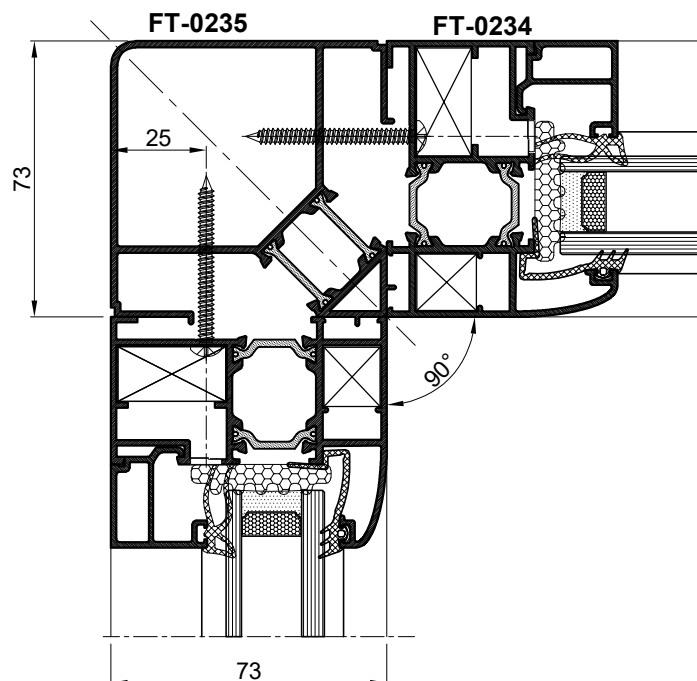
KUT 90° - PREMA VANI
90°-WINKEL - NACH AUSSEN

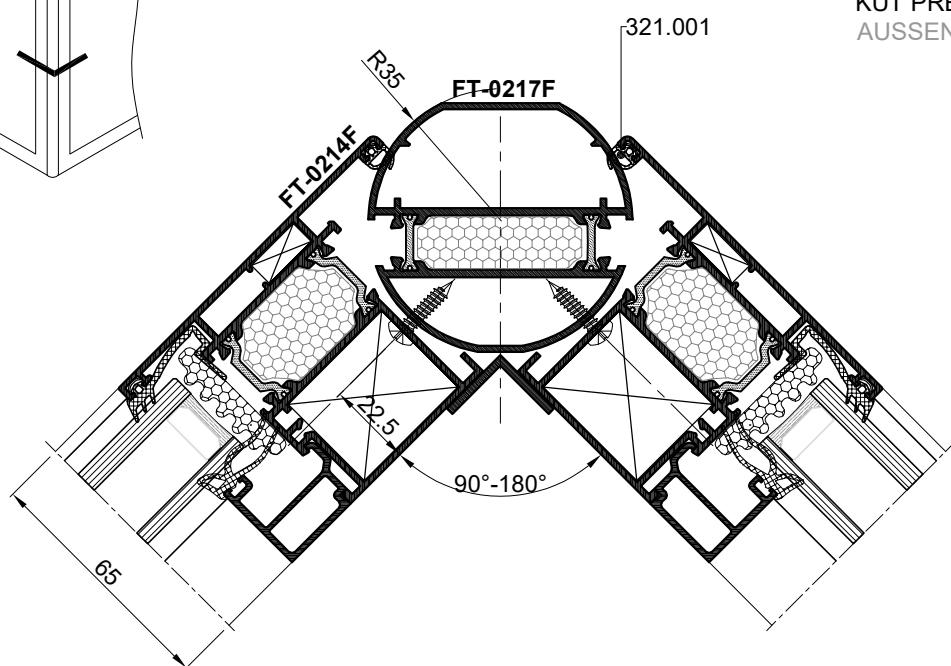
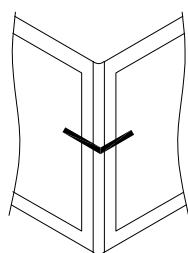


KUT 90° - PREMA UNUTRA
90°-WINKEL - NACH INNEN

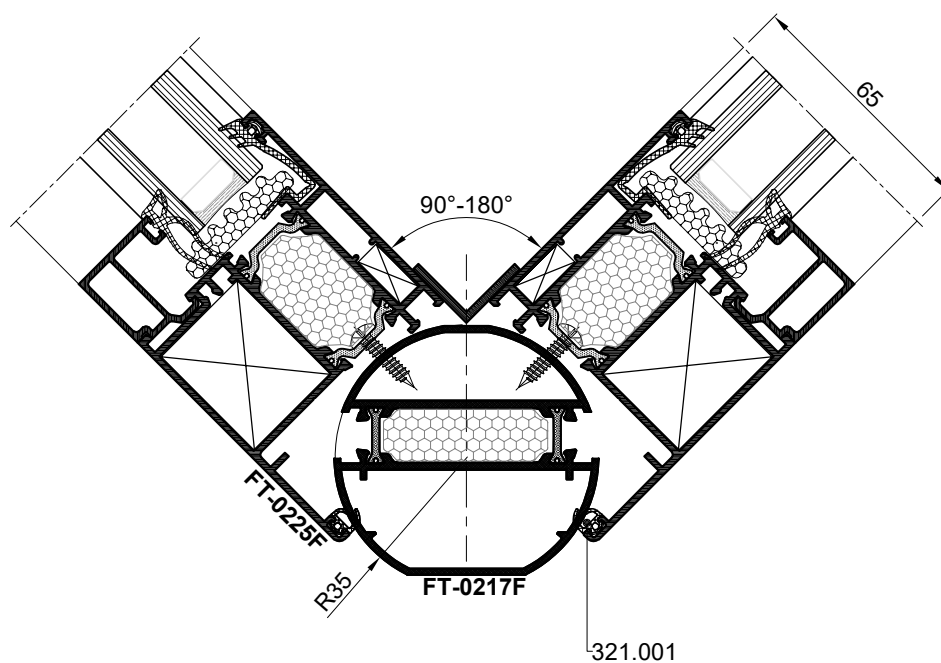


KUT 90° - PREMA UNUTRA
90°-WINKEL - NACH INNEN



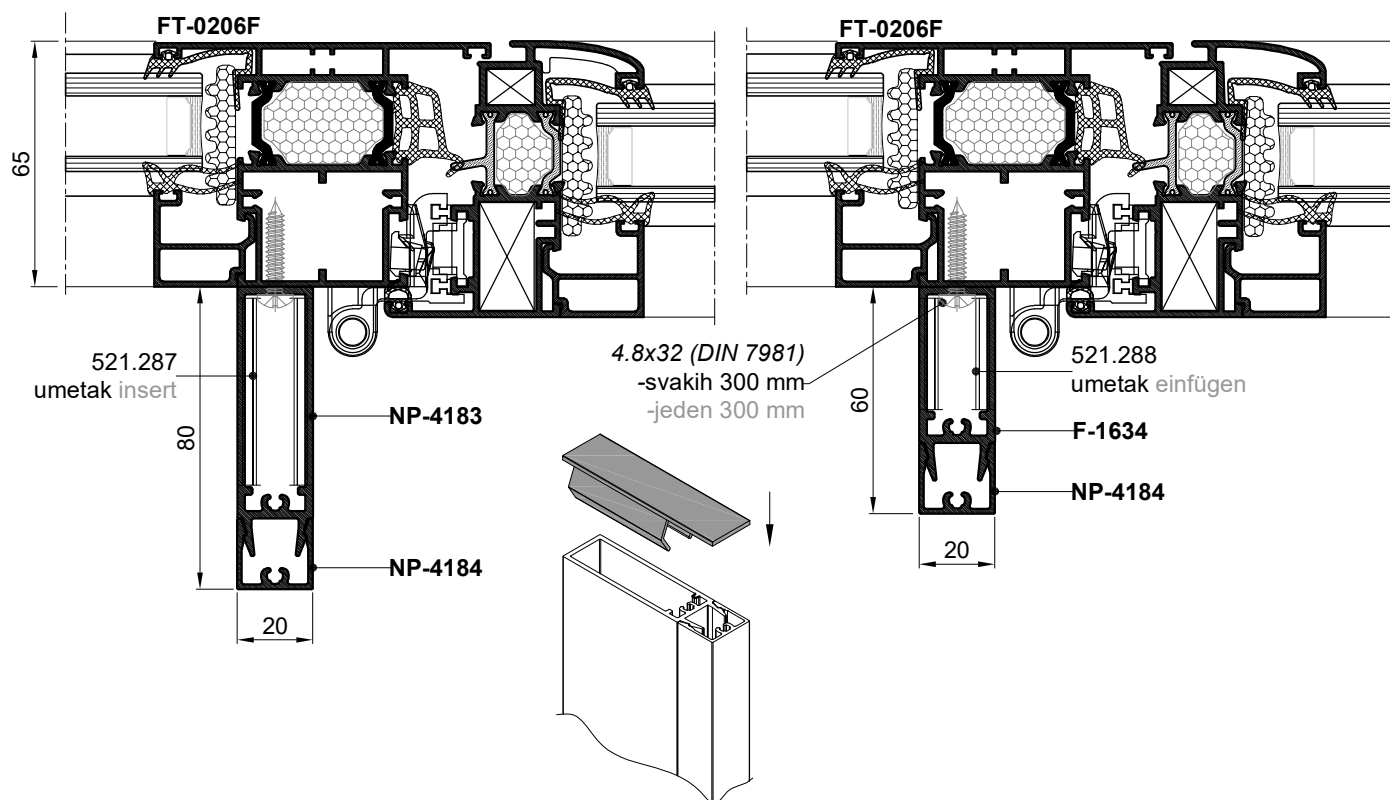


KUT PREMA UNUTRA
INNENECKE

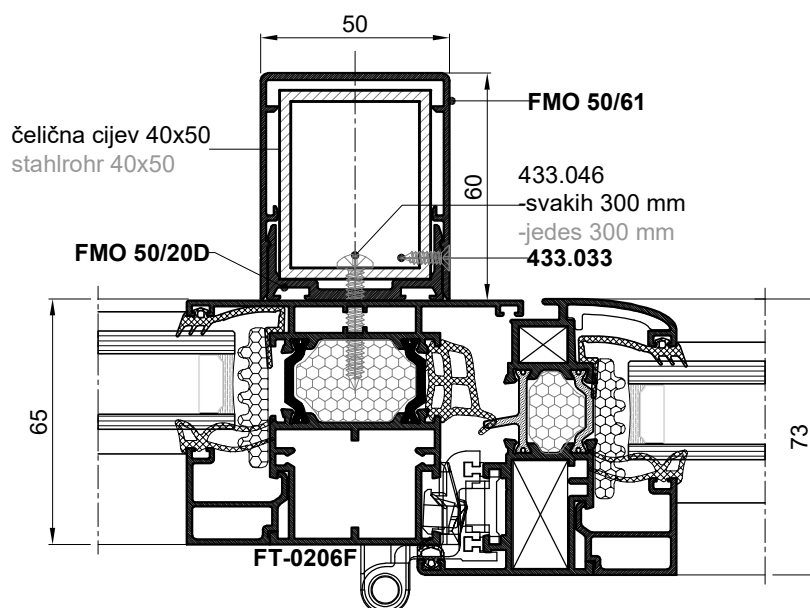


Ojačanje 80 mm
Verstärkungsprofile 80 mm

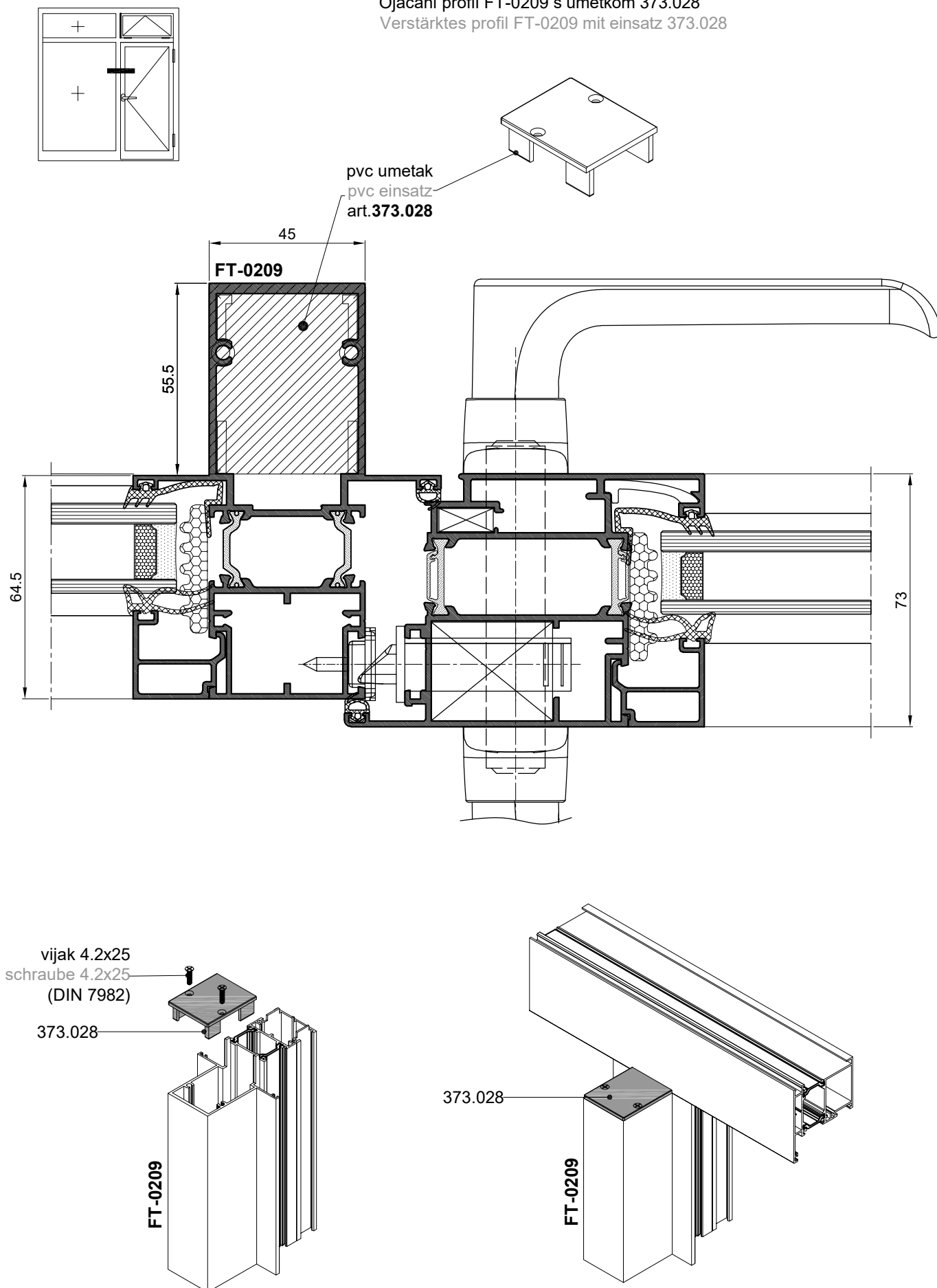
Ojačanje 60 mm
Verstärkungsprofile 60 mm



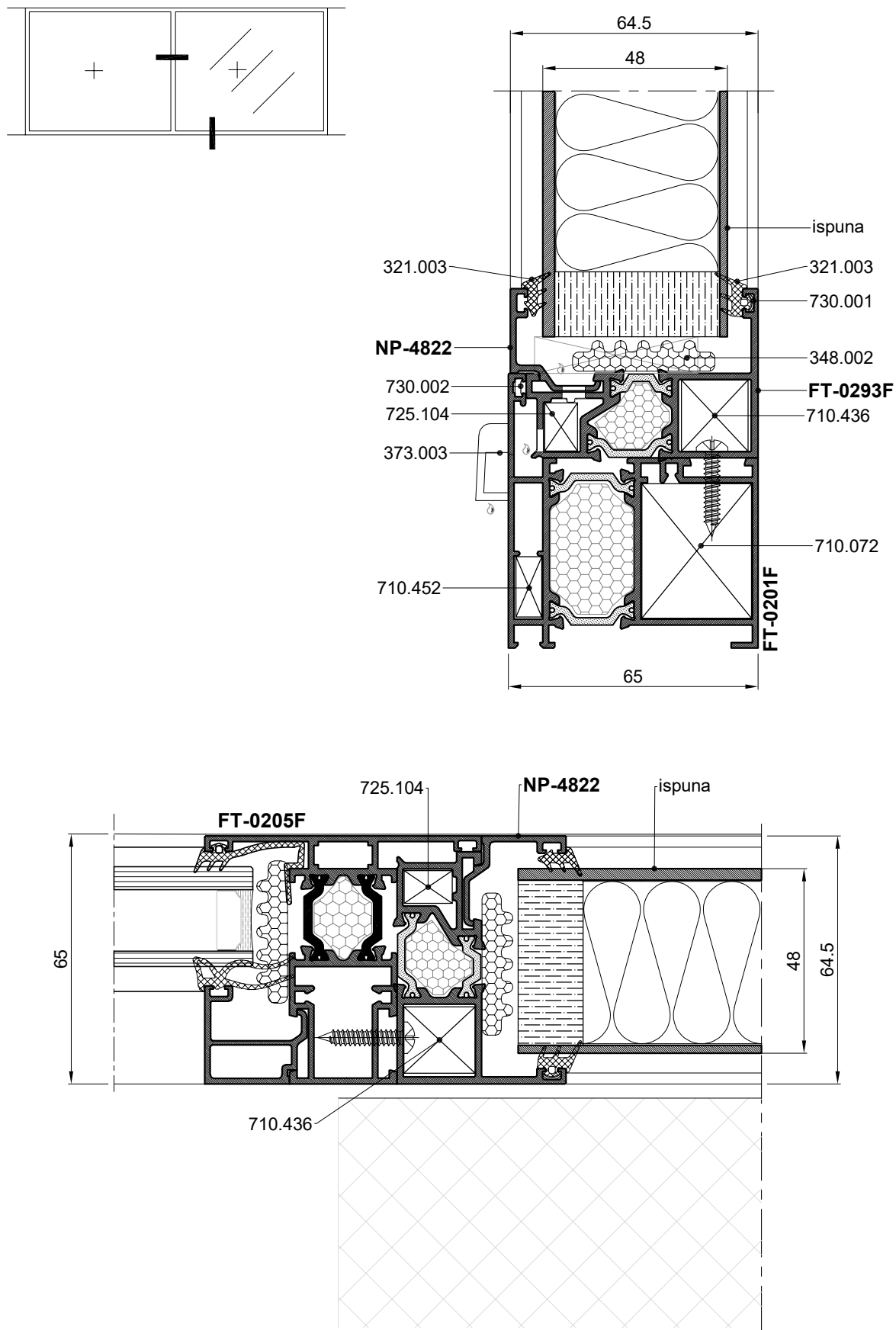
Ojačanje sa čeličnom cijevi
Verstärkung mit Stahlrohr

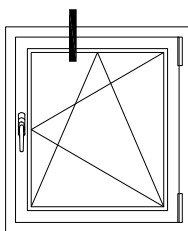


Ojačani profil FT-0209 s umetkom 373.028
Verstärktes profil FT-0209 mit einsatz 373.028

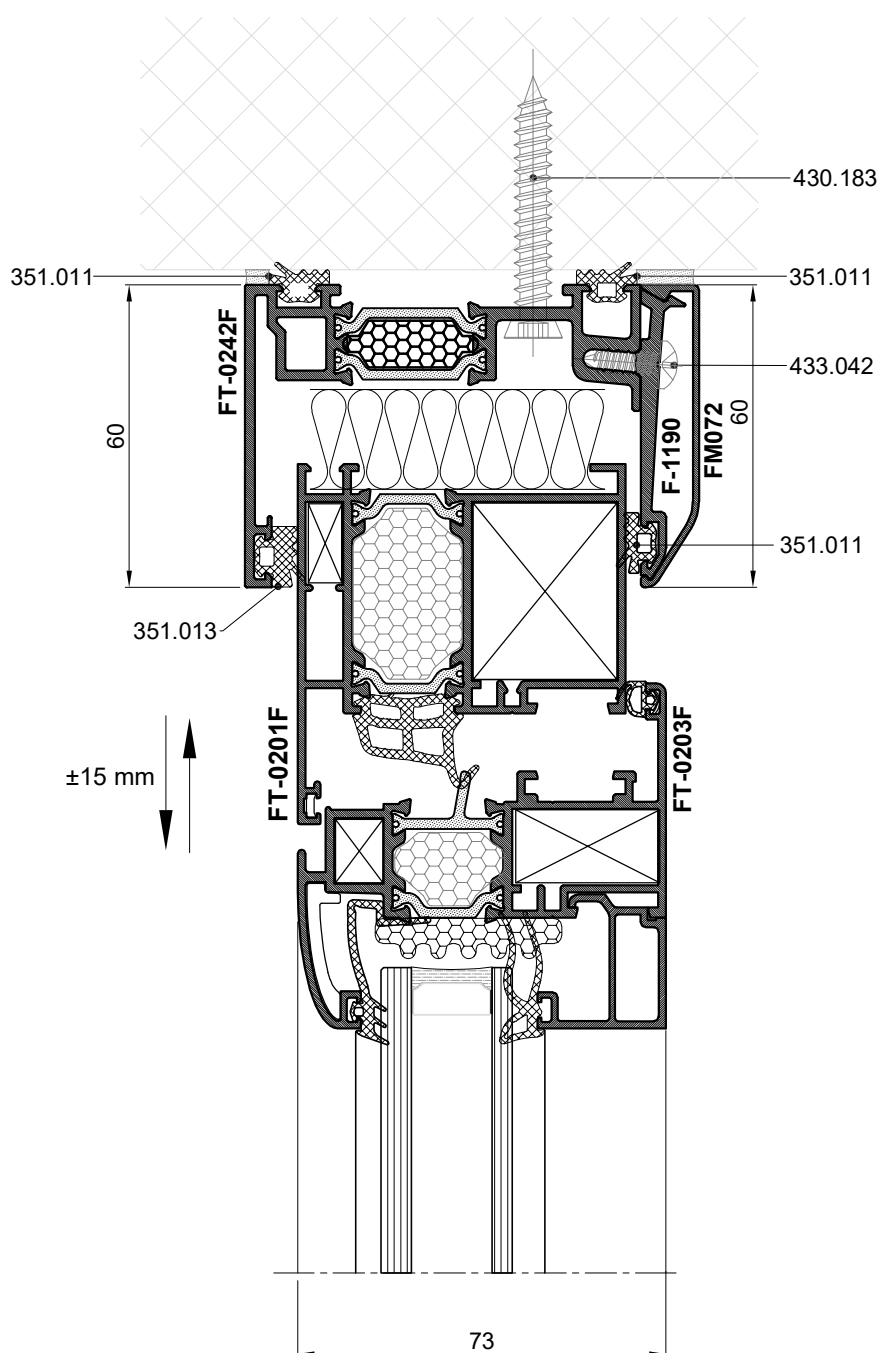


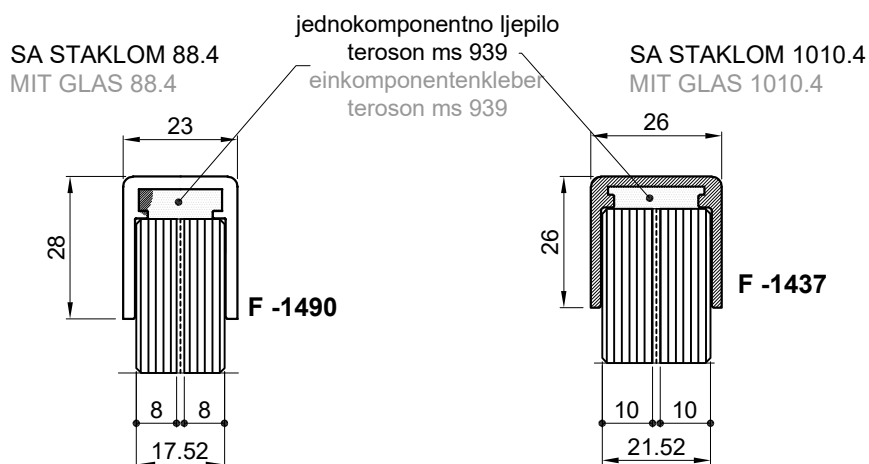
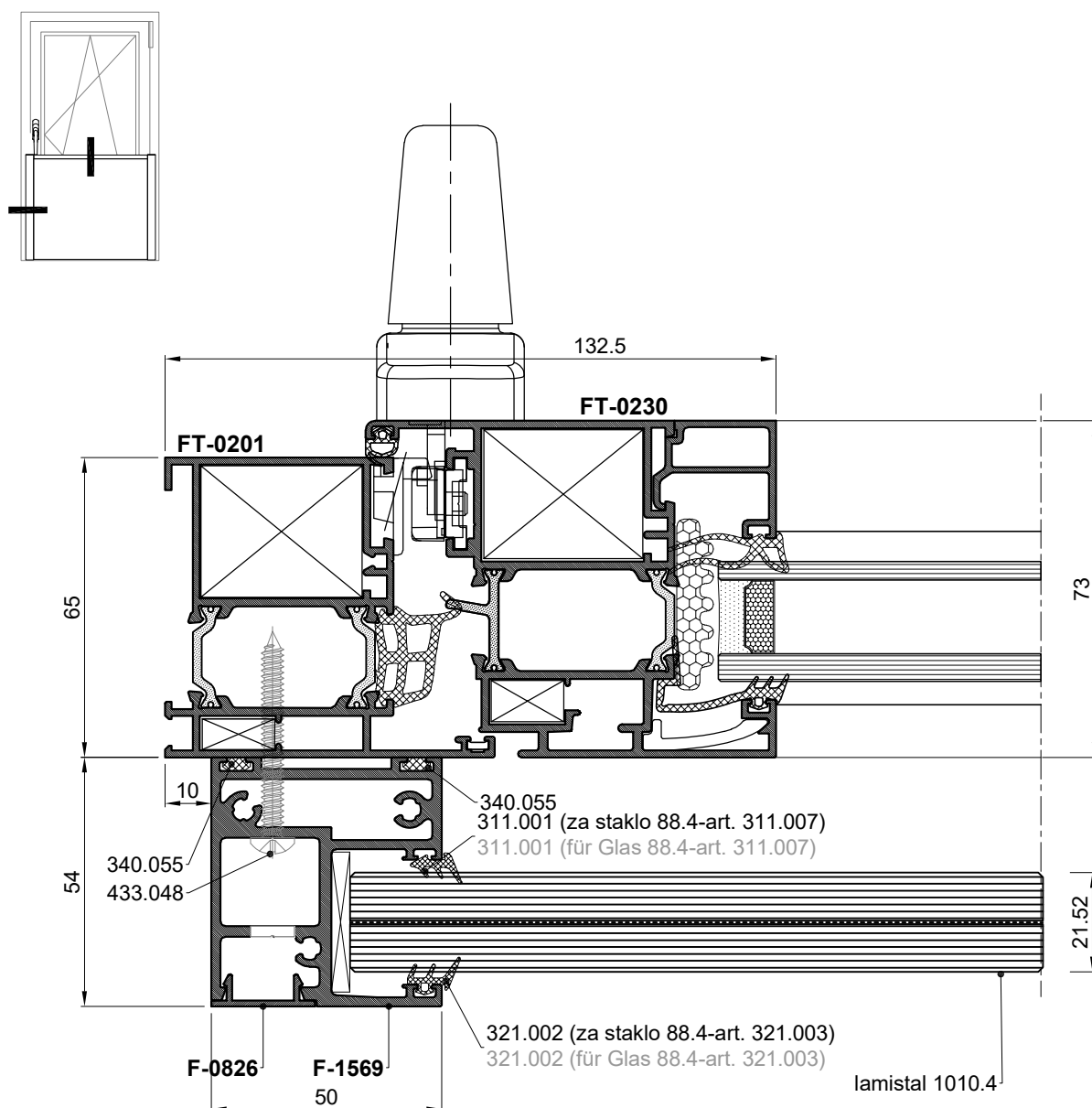
Detalj ostakljivanja s vanjske strane
Detail der Verglasung an der Außenseite

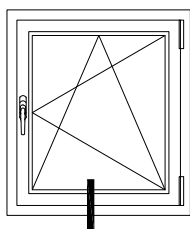




PROFIL ZA UGRADNJU BAUSENKUNGSPROFIL



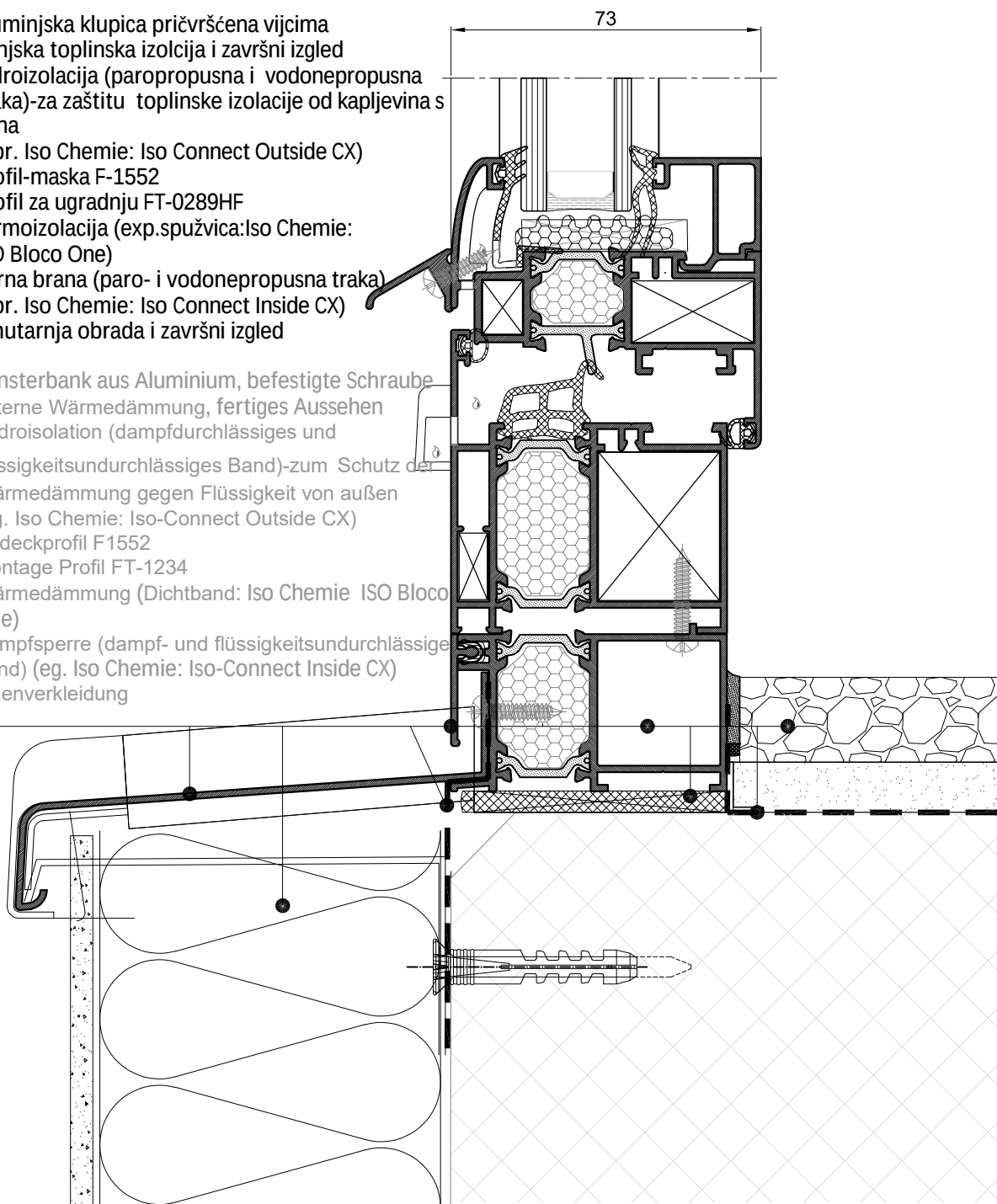


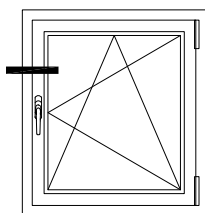


Ugradnja prema RAL standardu
Montage nach RAL Standard

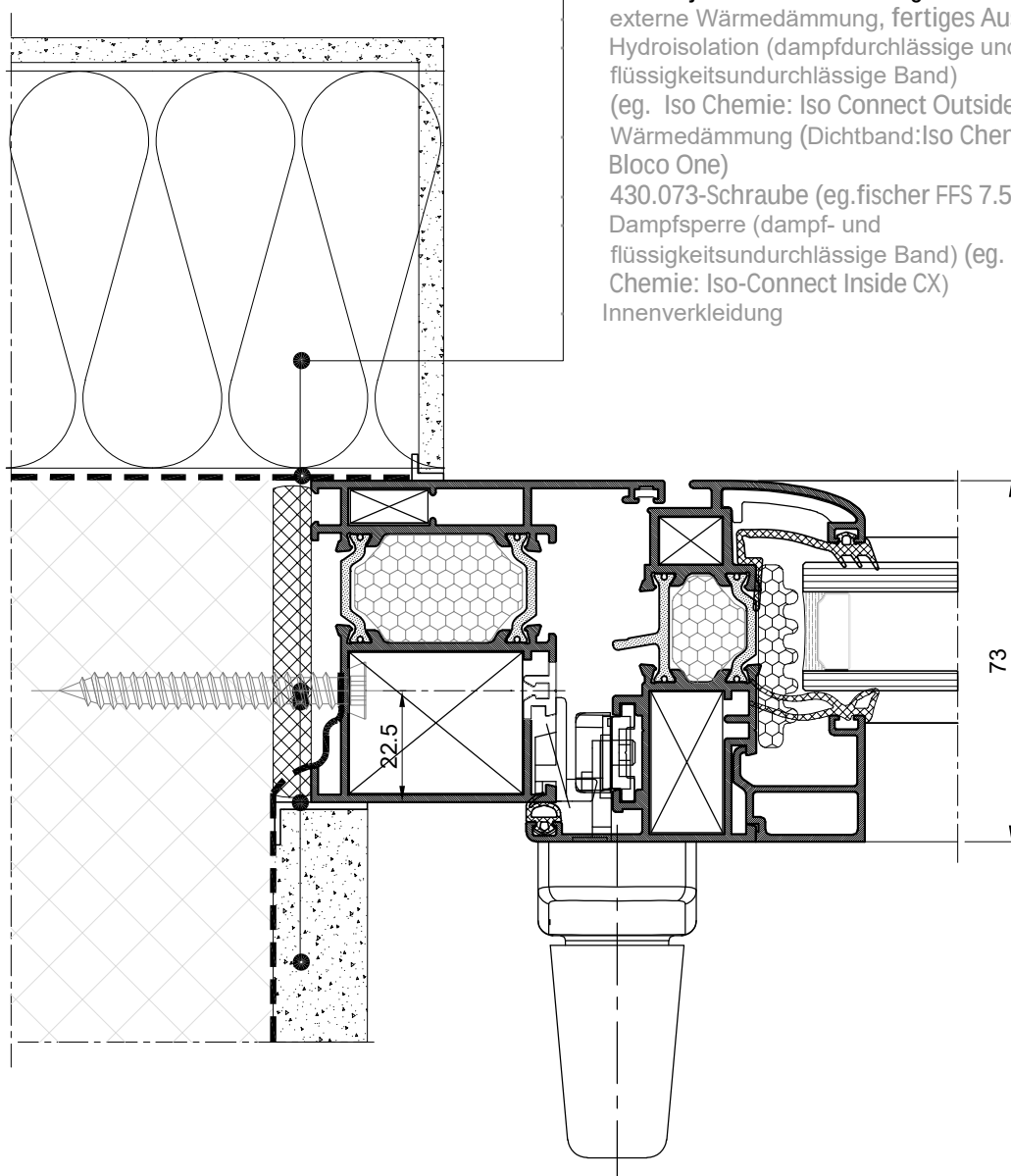
- aluminjska klupica pričvršćena vijcima
- vanjska toplinska izolacija i završni izgled
- hidroizolacija (paropropusna i vodonepropusna traka)-za zaštitu toplinske izolacije od kapljevina s vana
- (npr. Iso Chemie: Iso Connect Outside CX)
- profil-masko F-1552
- profil za ugradnju FT-0289HF
- termoizolacija (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

- Fensterbank aus Aluminium, befestigte Schraube
- externe Wärmedämmung, fertiges Aussehen
- Hydroisolation (dampfdurchlässiges und flüssigkeitsundurchlässiges Band)-zum Schutz der Wärmedämmung gegen Flüssigkeit von außen
- (eg. Iso Chemie: Iso-Connect Outside CX)
- Abdeckprofil F1552
- montage Profil FT-1234
- Wärmedämmung (Dichtband: Iso Chemie ISO Bloco One)
- Dampfsperre (dampf- und flüssigkeitsundurchlässiges band) (eg. Iso Chemie: Iso-Connect Inside CX)
- Innenverkleidung

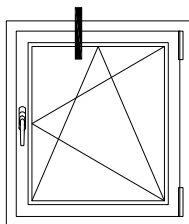




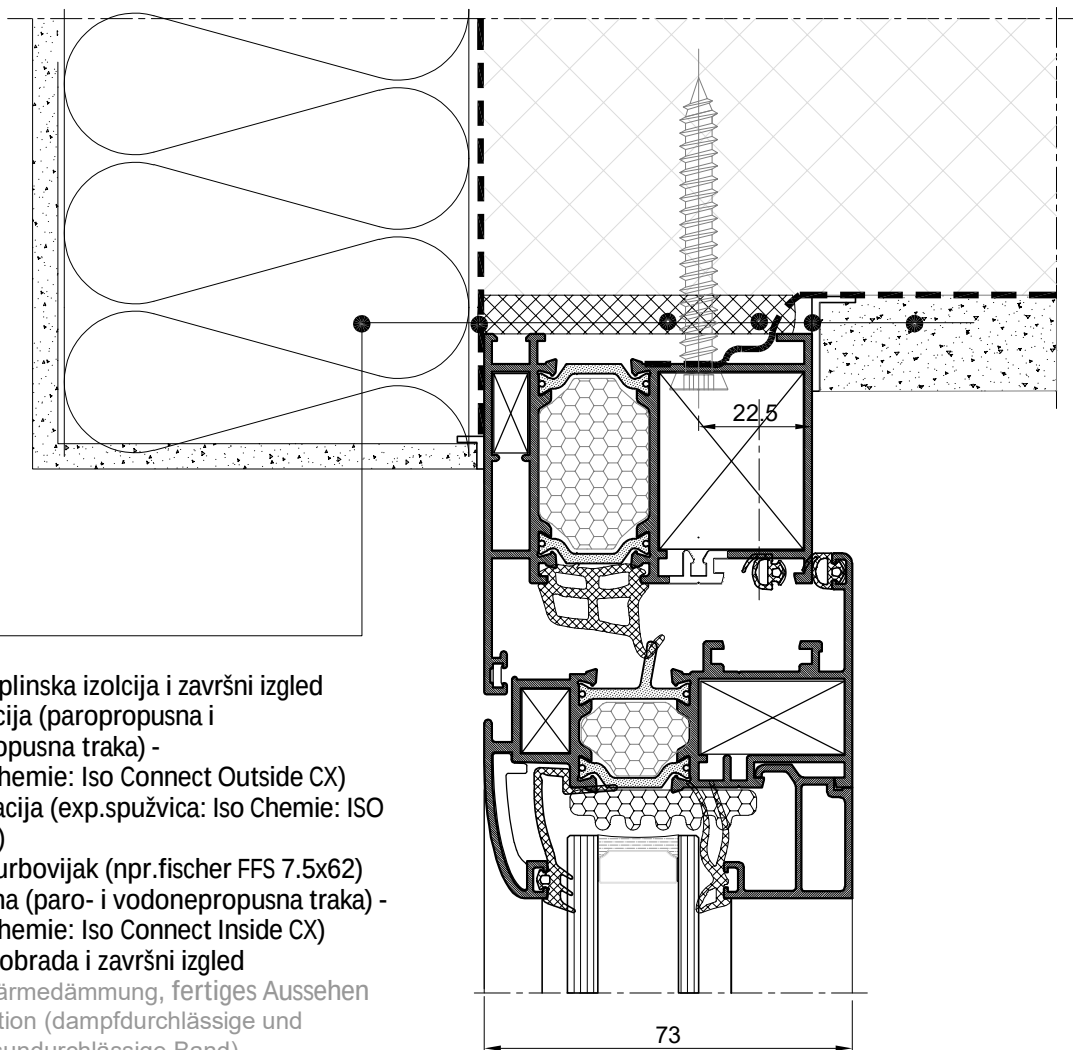
Ugradnja prema RAL standardu
Installation nach RAL Standard



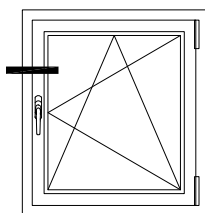
vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i
vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO
Bloco One)
430.073-turbovijak (npr.fischer FFS 7.5x72)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
externe Wärmedämmung, fertiges Aussehen
Hydroisolation (dampfdurchlässige und
flüssigkeitsundurchlässige Band)
(eg. Iso Chemie: Iso Connect Outside CX)
Wärmedämmung (Dichtband:Iso Chemie ISO
Bloco One)
430.073-Schraube (eg.fischer FFS 7.5x72)
Dampfsperre (dampf- und
flüssigkeitsundurchlässige Band) (eg. Iso
Chemie: Iso-Connect Inside CX)
Innenverkleidung



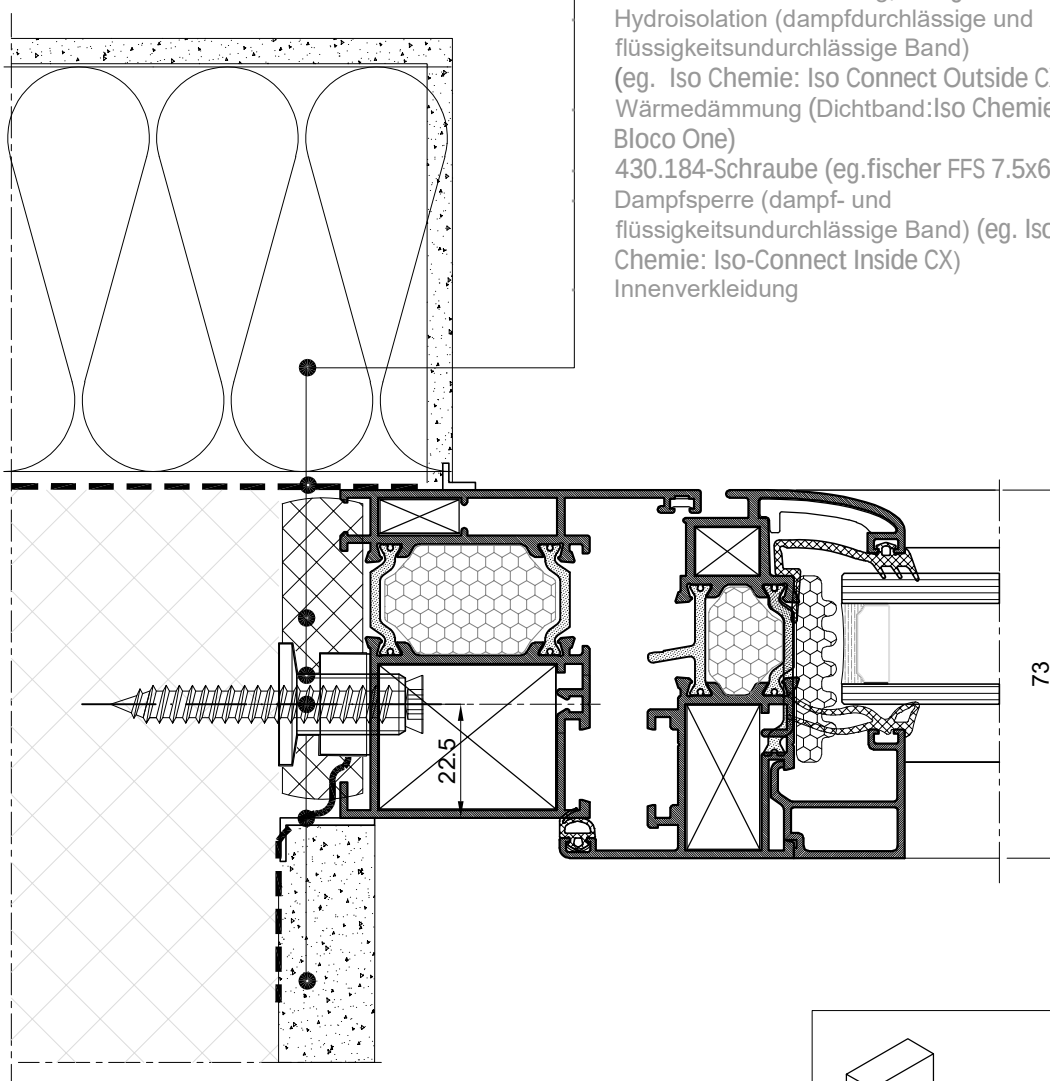
Ugradnja prema RAL standardu
Installation nach RAL Standard



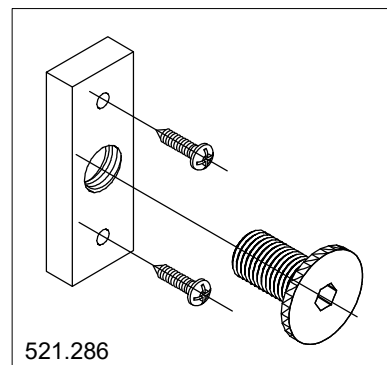
vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i
vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO
Bloco One)
430.184-turbovijak (npr.fischer FFS 7.5x62)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
externe Wärmedämmung, fertiges Aussehen
Hydroisolation (dampfdurchlässige und
flüssigkeitsundurchlässige Band)
(eg. Iso Chemie: Iso Connect Outside CX)
Wärmedämmung (Dichtband:Iso Chemie ISO
Bloco One)
430.184-Schraube (eg.fischer FFS 7.5x62)
Dampfsperre (dampf- und
flüssigkeitsundurchlässige Band) (eg. Iso
Chemie: Iso-Connect Inside CX)
Innenverkleidung



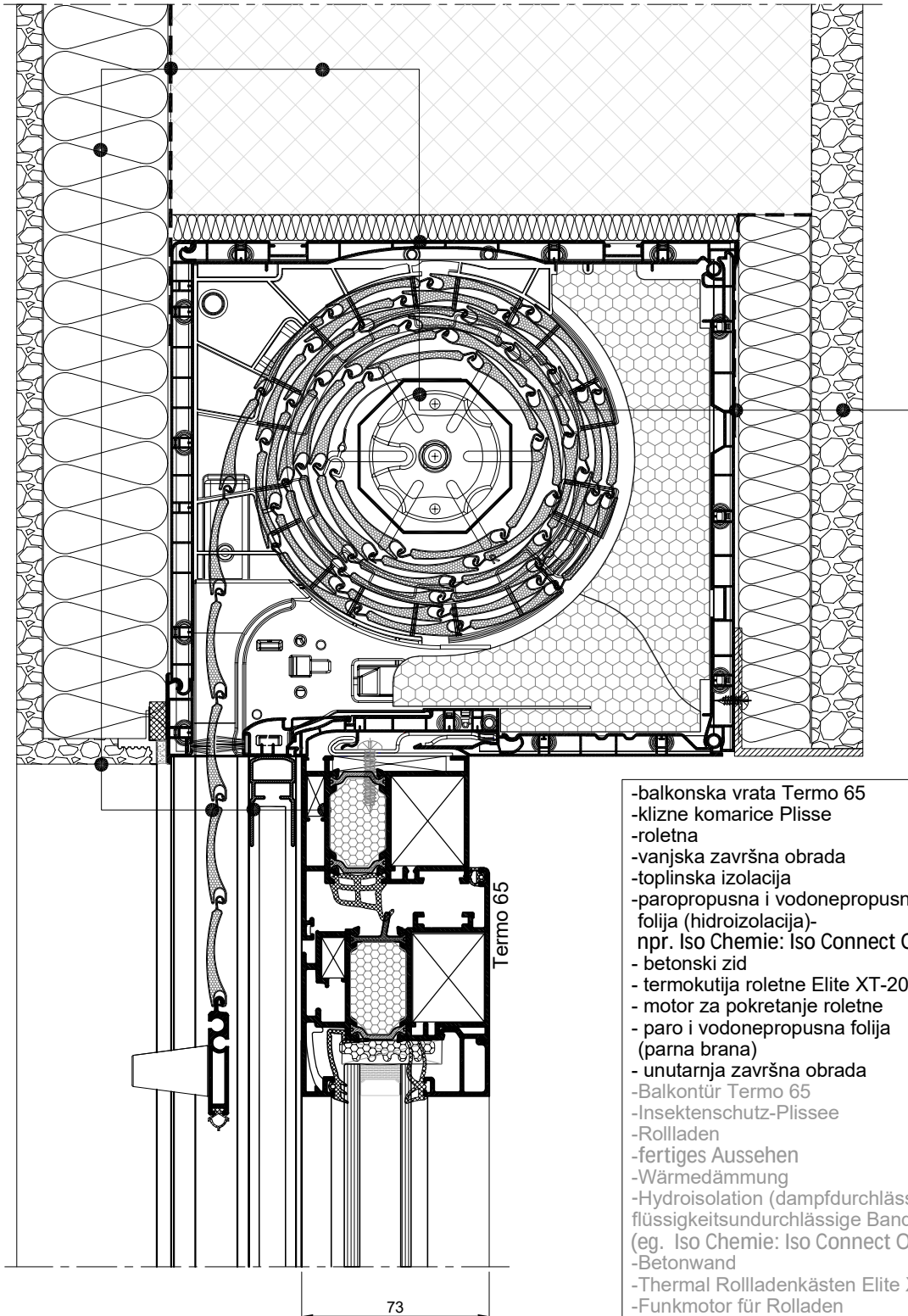
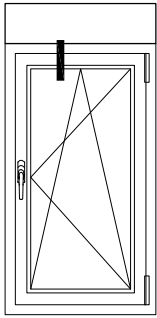
Ugradnja sa elementom za ugradnju 521.286
Montage mit Befestigungselement 521.286



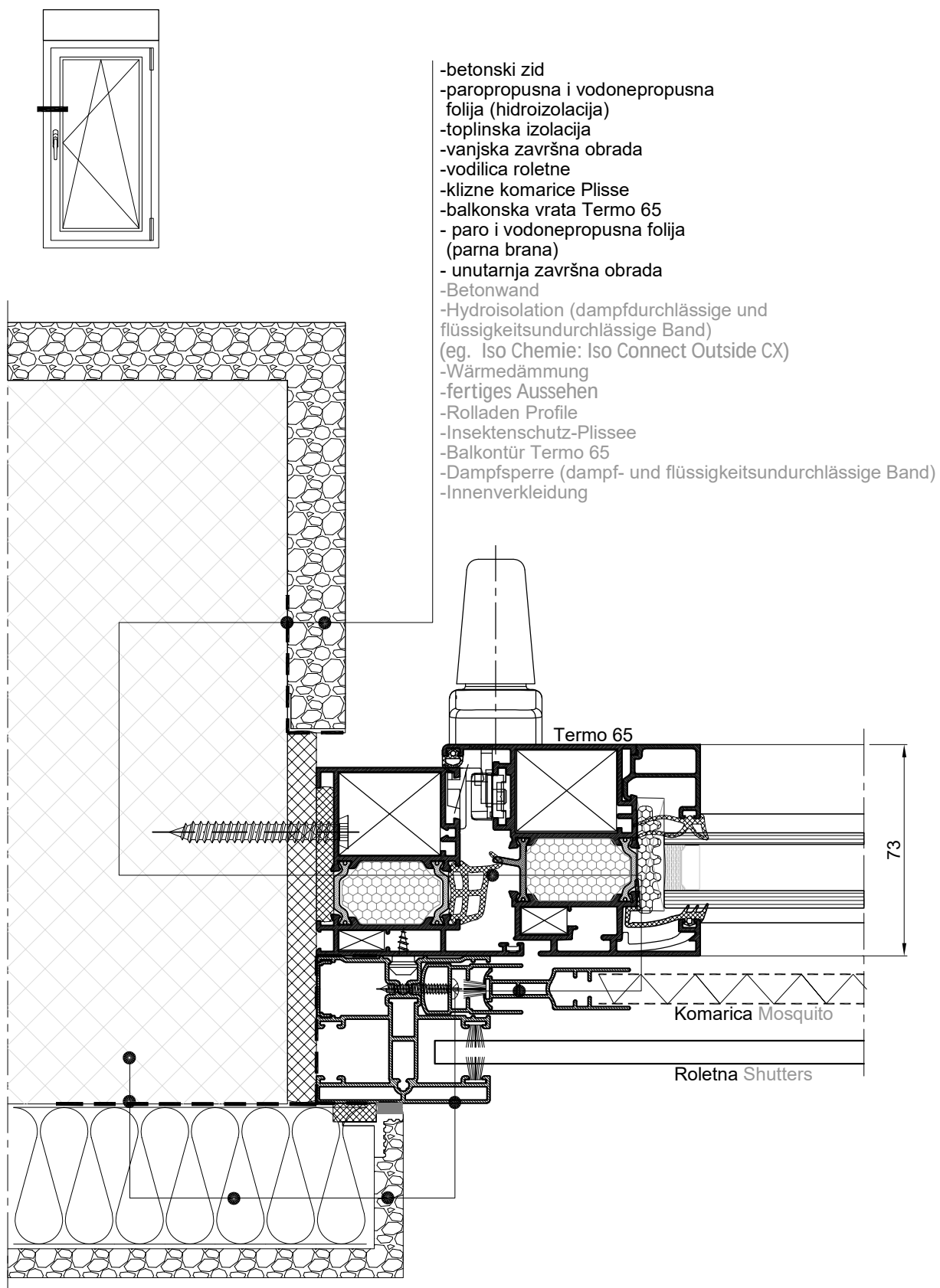
vanjska toplinska izolacija i završni izgled
hidroizolacija (paropropusna i
vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Outside CX)
termoizolacija (exp.spužvica: Iso Chemie: ISO
Bloco One)
521.286-element za ugradnju
430.184-turbovijak (npr.fischer FFS 7.5x62)
parna brana (paro- i vodonepropusna traka) -
(npr. Iso Chemie: Iso Connect Inside CX)
unutarnja obrada i završni izgled
externe Wärmedämmung, fertiges Aussehen
Hydroisolation (dampfdurchlässige und
flüssigkeitsundurchlässige Band)
(eg. Iso Chemie: Iso Connect Outside CX)
Wärmedämmung (Dichtband:Iso Chemie ISO
Bloco One)
430.184-Schraube (eg.fischer FFS 7.5x62)
Dampfsperre (dampf- und
flüssigkeitsundurchlässige Band) (eg. Iso
Chemie: Iso-Connect Inside CX)
Innenverkleidung



521.286

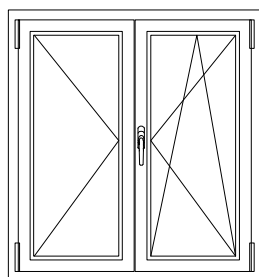
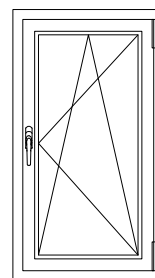
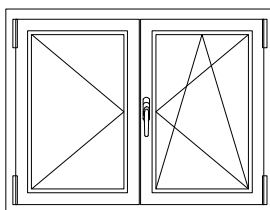
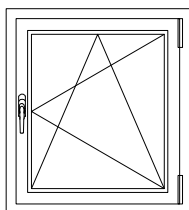


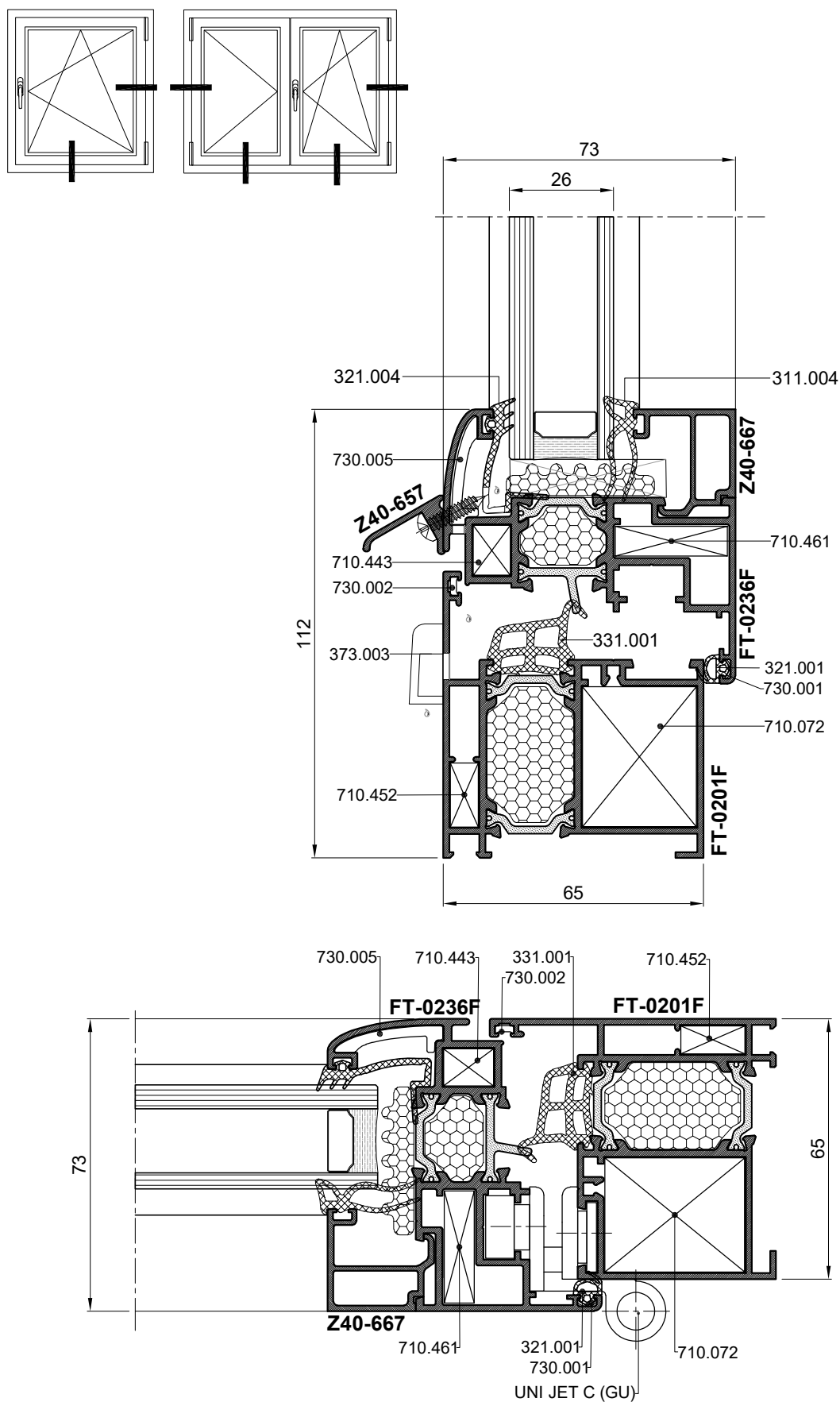
- balkonska vrata Termo 65
- klizne komarice Plisse
- roletna
- vanjska završna obrada
- toplinska izolacija
- paropropusna i vodonepropusna folija (hidroizolacija)-
- npr. Iso Chemie: Iso Connect Outside CX
- betonski zid
- termokutija roletne Elite XT-200x220
- motor za pokretanje roletne
- paro i vodonepropusna folija (parna brana)
- unutarnja završna obrada
- Balkontür Termo 65
- Insektenschutz-Plisse
- Rollladen
- fertiges Aussehen
- Wärmedämmung
- Hydroisolation (dampfdurchlässige und flüssigkeitsundurchlässige Band)
- (eg. Iso Chemie: Iso Connect Outside CX)
- Betonwand
- Thermal Rollladenkästen Elite XT-200x220
- Funkmotor für Rolladen
- Dampfsperre (dampf- und flüssigkeitsundurchlässige Band)
- Innenverkleidung

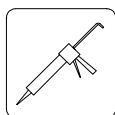
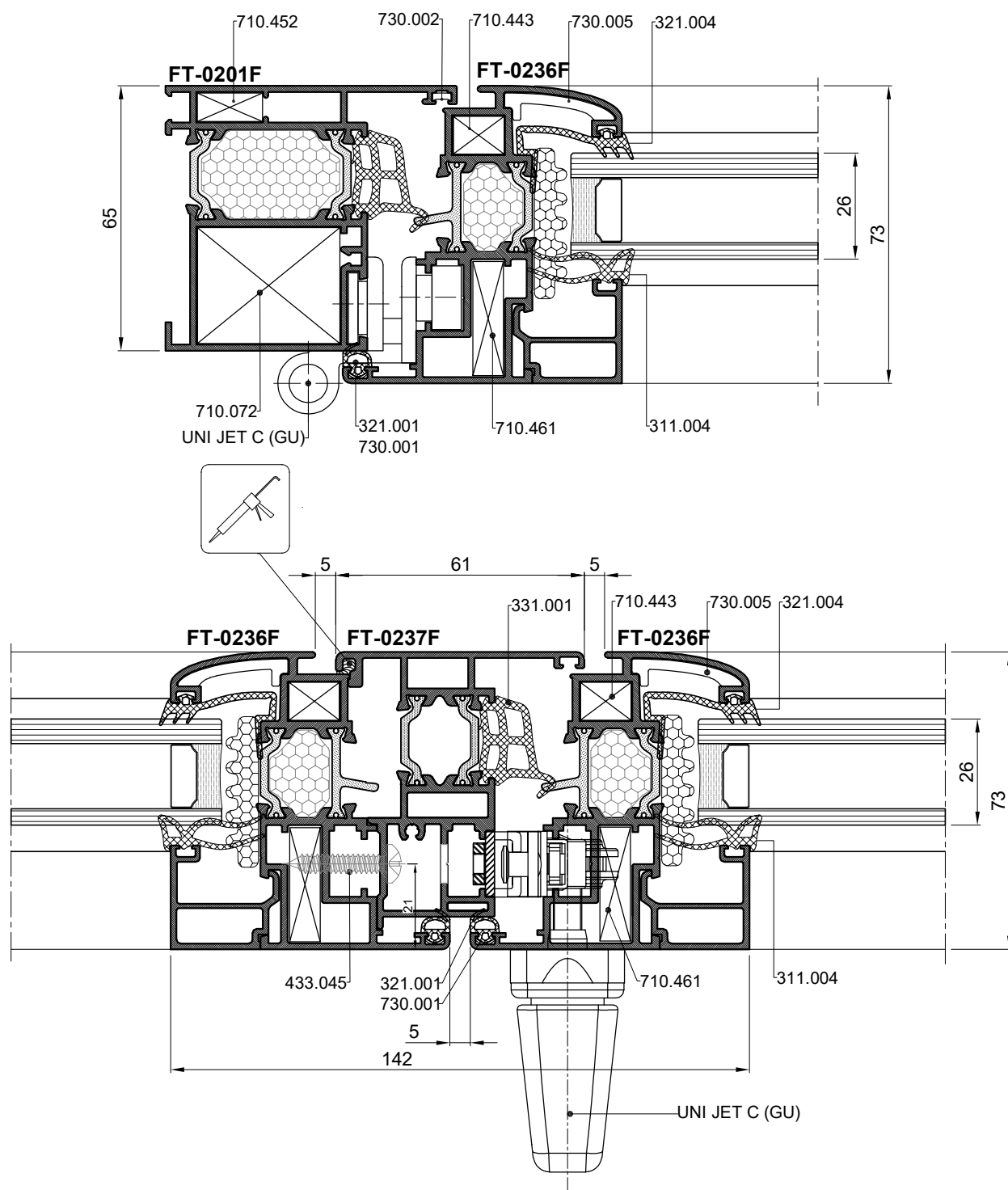
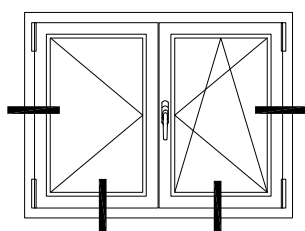


Profili sa žlijebom 16/13

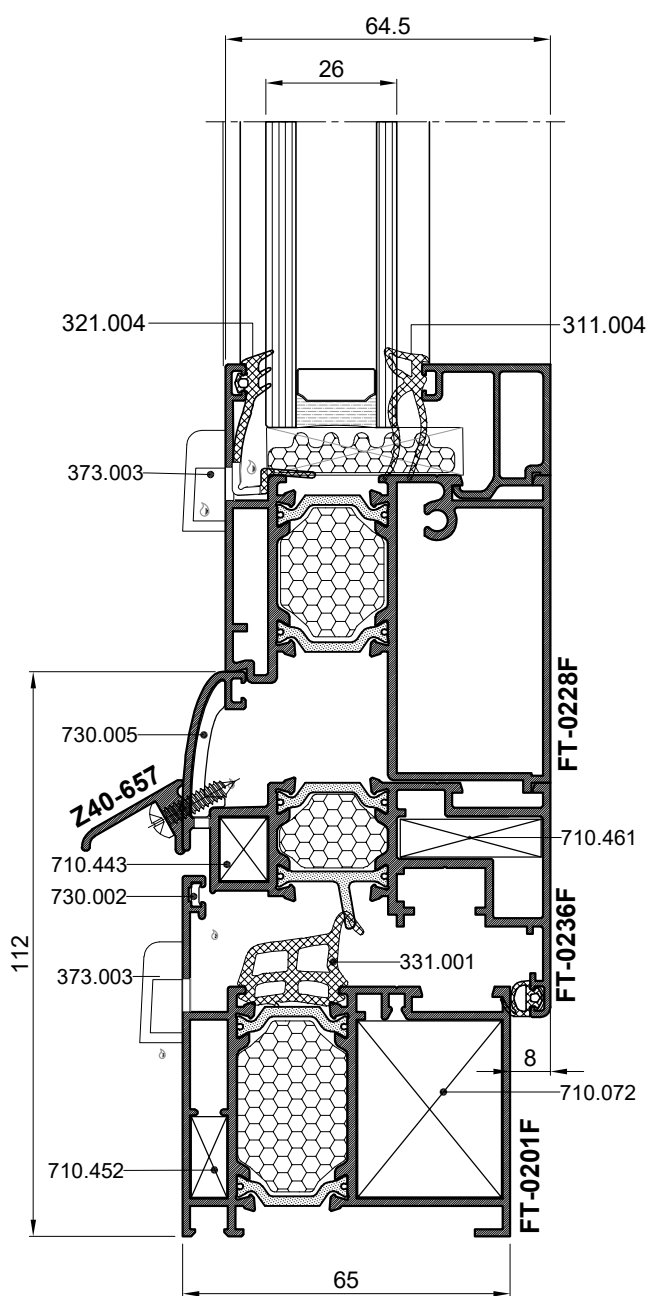
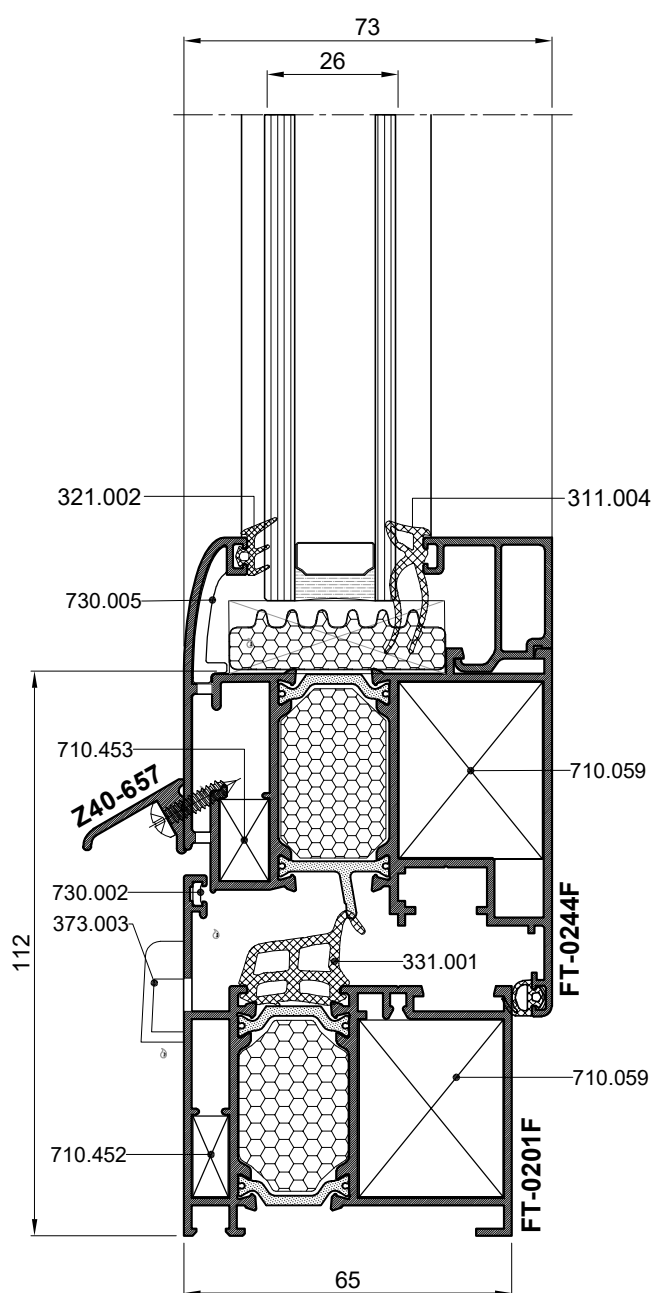
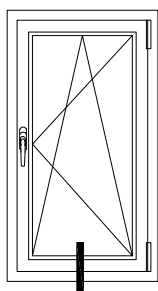
Profile mit Nuten 16/13

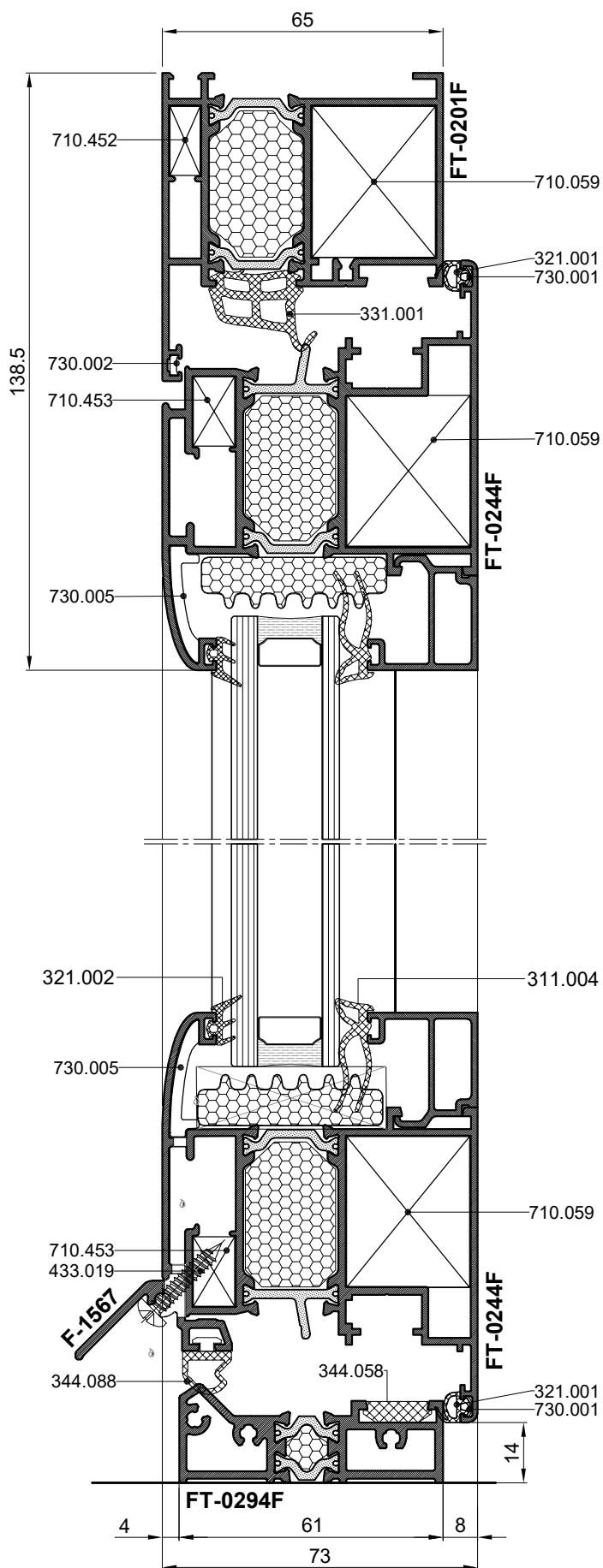
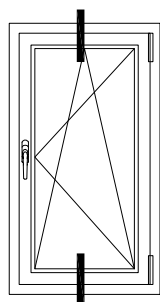


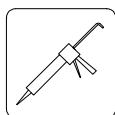
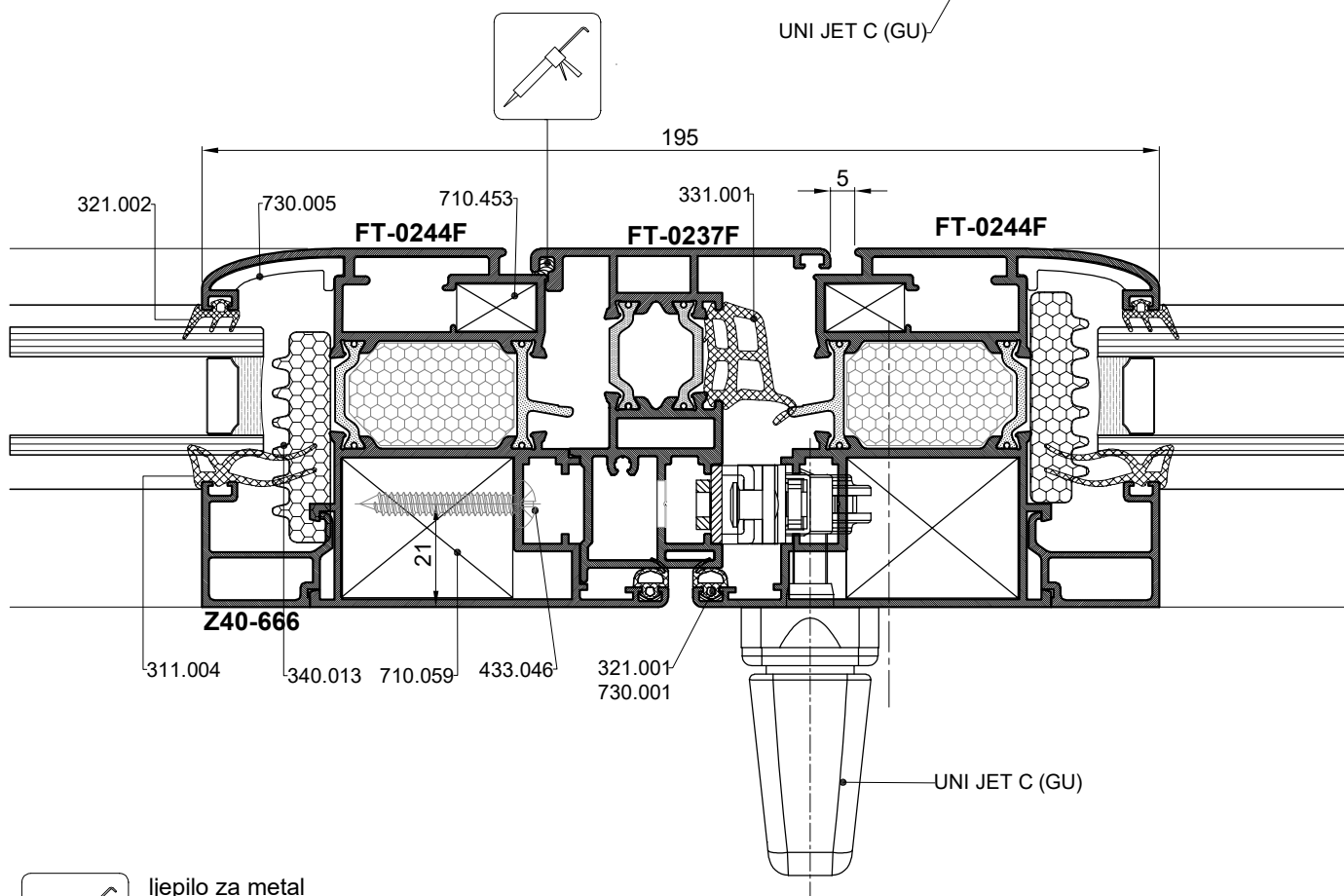
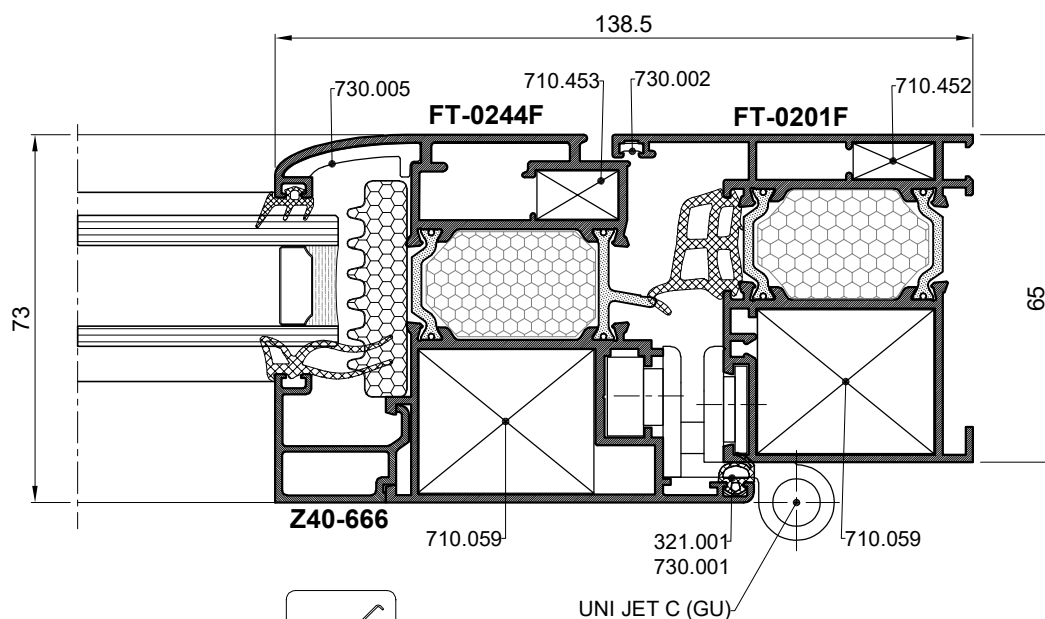
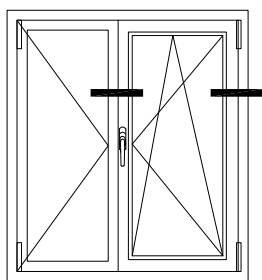




lijepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)







ljepilo za metal
(npr. Teroson MS 939)
Metallkleber
(zb. Teroson MS 939)

FEAL



Skenirajte QR kod i registrirajte
se na partner.feal.ba

*Scannen Sie den QR-Code und
registrieren Sie sich auf partner.feal.ba*

TERMO 65

Knjiga A / *Buch A*

Veljača 2020. / Februar 2020

FEAL d.o.o.
Trnska cesta 146
88220 Široki Brijeg
Bosna i Hercegovina
Tel. +387 39 704-269; 705-807; 705-636
Fax. +387 39 704-358
info@feal.ba
www.feal.ba