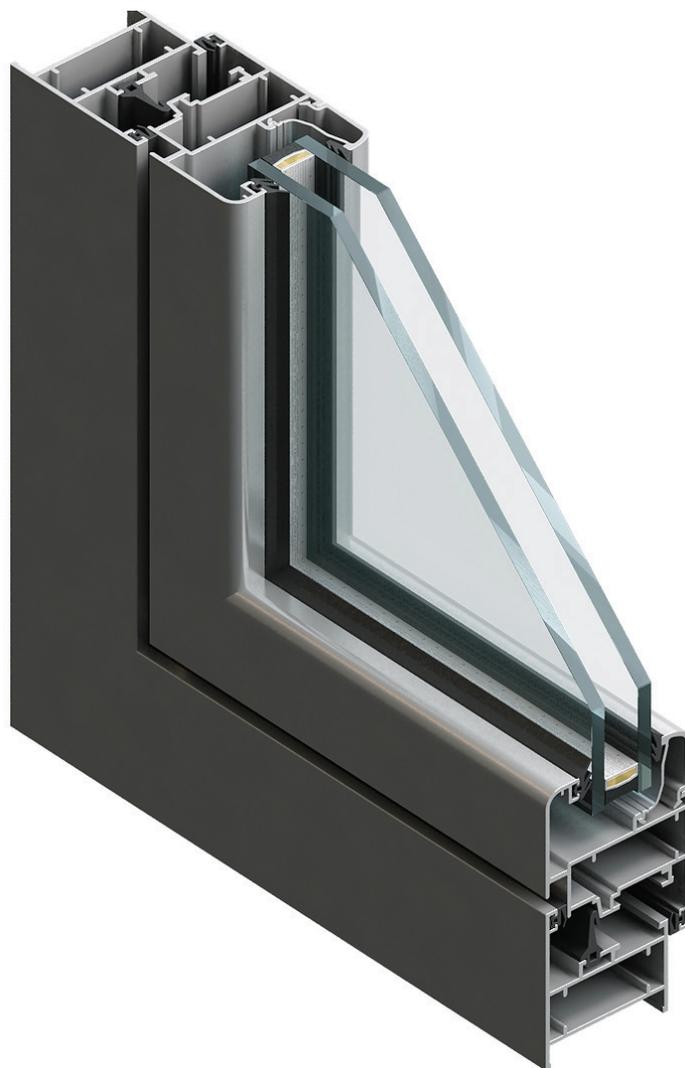


FEAL



45 MILL

PROZORI I VRATA
WINDOWS AND DOORS

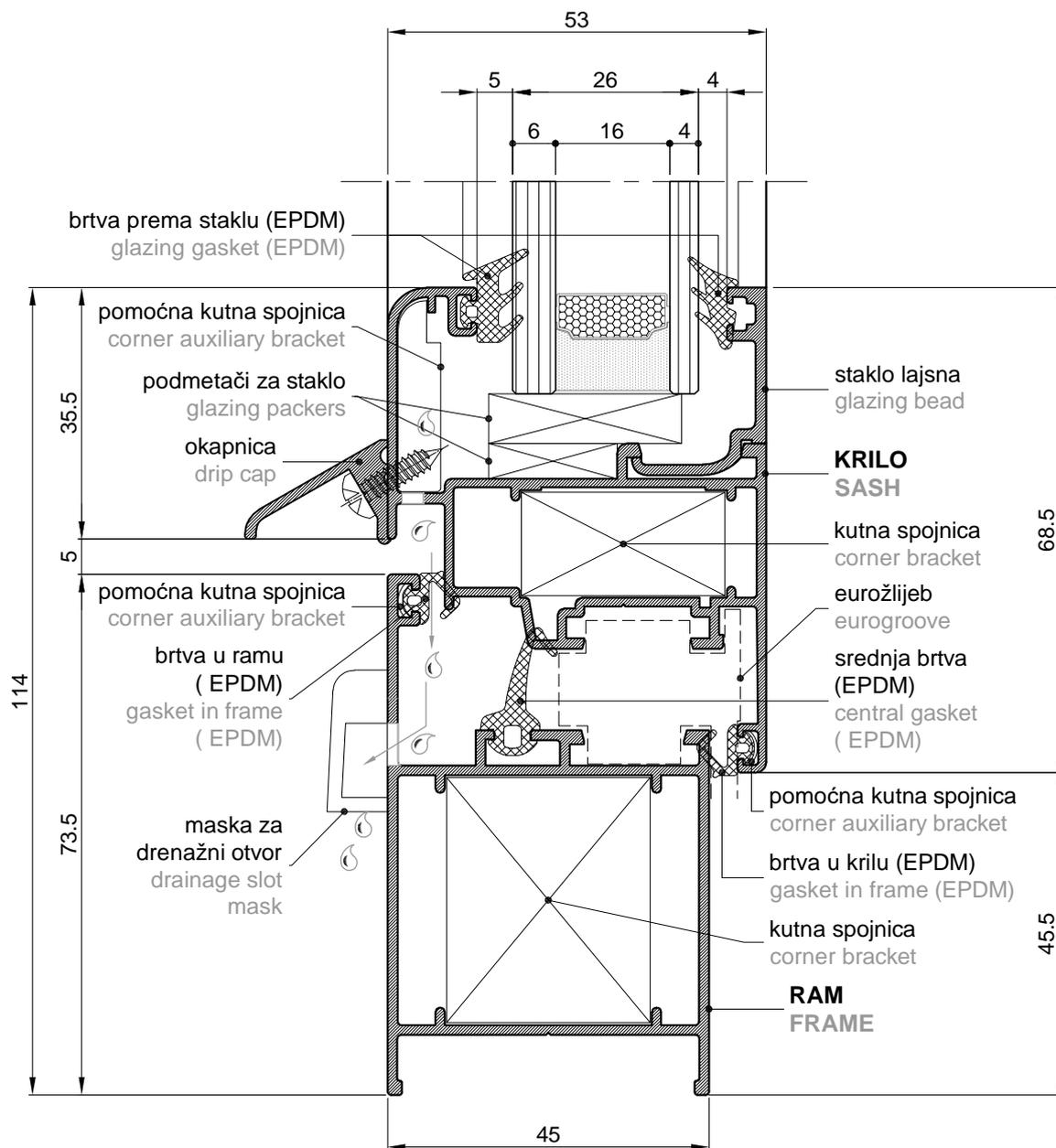
Knjiga A / *Book A*

SADRŽAJ
CONTENT

01	ZNAČAJKE SISTEMA	103.01.000
01	SYSTEM CHARACTERISTICS	103.01.000
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Značajke sistema

System characteristics



OPIS SISTEMA 45 MILL
SYSTEM DESCRIPTION 45 MILL

Sistem **45 MILL** je namijenjen za izradu prozora (otvaranje unutra i vani), vrata (otvaranje unutra i vani) i fiksnih stijena.

To je sistem profila bez prekinutog termičkog mosta, osnovne ugradbene dubine rama 45 mm. Pored osnovne izvedbe ram/krilo sa ravnim linijama, moguće su izvedbe ram/krilo i sa zaobljenim vanjskim linijama.

Brtvljenje je izvedeno EPDM brtvama.

Mogući tipovi otvaranja prozora: otklopno, zaokretno, otklopno-zaokretno, zaokretno otvaranje vani, otklopni oko gornje vodoravne ose - otvaranje vani, zaokretno oko okomite ose - otvaranje vani, otvaranje vrata: otvaranje prema unutra i vani, mimokretna vrata.

Okov koji se ugrađuje u sistem je standardni za eurožlijeb 15/20.

Karakteristike sistema:

- dubina rama..... 45 mm
- dubina krila..... 53 mm
- dubina ispune..... do 31 mm
- max.težina krila..... 130 kg
- zrakopropusnost..... EN 12207 (klasa 4)
- vodonepropusnost..... EN 12208 (klasa E1050)
- otpornost na udar vjetra..... EN 12210 (klasa C4/B4)
- zaštita od buke..... EN ISO 717-1 (Rw=do 41 dB)
- protuprovalnost..... EN 1627
- osnovni materijal..... EN AW-6060
- materijal brtvljenja..... EPDM
- površinska obrada..... DIN 17611
- kontrola kvalitete..... DIN EN ISO 9001

System **45 MILL** is used for production of windows (inside and outside opening), doors (inside and outside opening) and fixed glass wall.

45 MILL is a system without a thermal break, basic mounting frame depth of 45 mm.

In addition to the basic available of the frame/sash with flat lines, also available are frame/sash with the rounded outside lines.

The sealing are made with the EPDM gaskets.

Possible types of window opening: tilt, turn, tilt-turn, turn outside opening, tilt around the top horizontally axis- outside opening, turn around the vertical axis- outside opening, door opening: inside and outside opening, push&pull doors.

The hardware which are installation in the this system is standard for euro groove 15/20 .

System characteristics:

- frame depth..... 45 mm
- sash depth..... 53 mm
- infill depth..... up to 31 mm
- max sash weight..... 130 kg
- air permeability..... EN 12207 (klasa 4)
- watertightness..... EN 12208 (klasa E1050)
- wind resistance..... EN 12210 (klasa C4/B4)
- airborne sound insulation..... EN ISO 717-1 (Rw=up to 41 dB)
- burglary resistance..... EN 1627
- profile material..... EN AW-6060
- gasket material..... EPDM
- surface processing..... DIN 17611
- uqality control..... DIN EN ISO 9001

Ispitivanja i certifikati

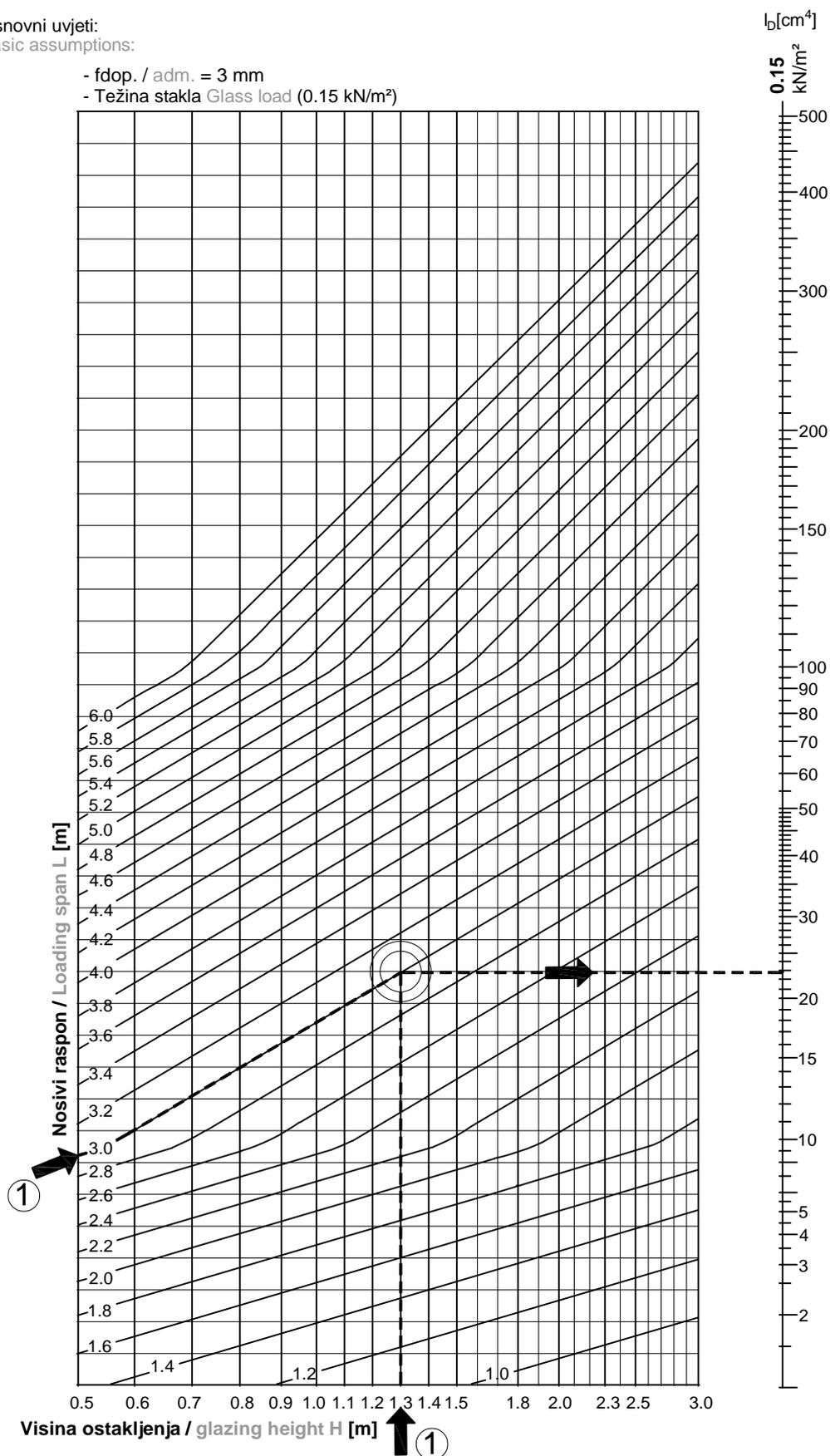
Testing and certificates

ISPITIVANJA I CERTIFIKATI TESTING AND CERTIFICATES						
Vrsta ispitivanja Type of test	Fiksni prozor Fixed window	Jednokrilni prozor Single casement window	Dvokrilni prozor Double casement window	Jednokrilna b.vrata Single balcony door	Jednokrilni prozor otv.vani Single ca.window outward opening	Jednokrilna vrata otv. unutra Single leaf door inw. opening
Zrakopropusnost Air permeability EN12207	4	4	4	4	4	4
Vodonepropusnost Watertightness EN 12208	E1500	E1050	9A	9A	E900	4A
Otpornost na opterećenje vjetrom Resistance to wind load EN 12210	C5/B5	C4/B4	C4/B4	C2/B2	C4/B4	C4/B4
Buka Rw Airborne sound insulation EN ISO 717-1		34 dB				36, 39, 41 dB
Protuprovalnost Protection against burglary EN 1627						
Otpornost na istezanje, torziju... Resistance at strain, torsion...						
Pendl test Impact resistance test EN 13049						klasa 3
Protupožarnost Fire resistance test DIN EN 1363-1						
Protudimnost Smoke control test EN 1634-3 EN 16034						S₂₀₀
* Feal interno ispitivanje * Feal internal testing						

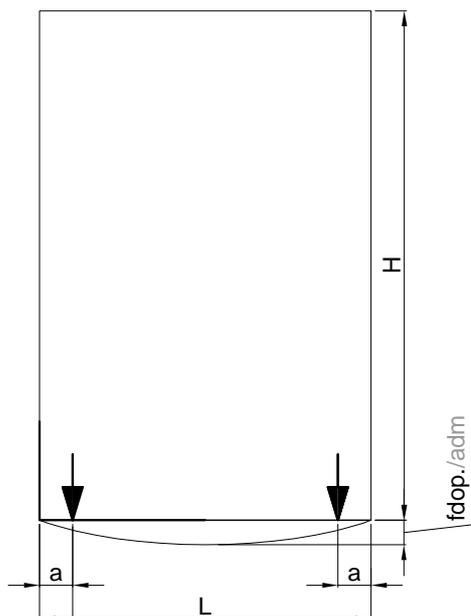
Statički dijagram težina stakla Structural diagram glass load

Osnovni uvjeti:
Basic assumptions:

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



Statički dijagram težina stakla Structural diagram glass load



1. Ulazni podaci / Input data:

Širina raspona / Load span:
L = 3.00 m

Visina ostakljenja / Glazing height:
H = 1.30 m

Debljina ostakljenja / Glazing thickness:
D = 20 mm*

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

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

za / for q_s 0.15 kN/m²
 $I_{y0.15} = 23 \text{ cm}^4$ (1) dijagram / diagram)

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

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

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



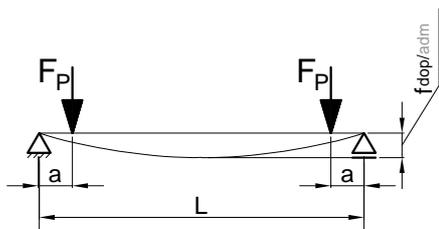
Vlastita težina profila nije uzeta u opterećenje!
The dead weight of the profile is not considered!

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

Select the profile from the table

Statičke jednadžbe

Nosač na dva oslonca / Beam on 2 supports



a = 150 mm fiksno / fixed

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

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

I_y (cm⁴) = Moment inercije / Moment of inertia
 F_p (kN) = Pojedinačno opterećenje / Single load
 a (cm) = Udaljenost oslonca / Support distance
 H (cm) = Visina stakla / Pane height
 L (cm) = Širina raspona / Load span
 q_s (kN/cm²) = Težina stakla / Glass weight
 fdop./adm. (cm) = dop.progib / adm. deflection

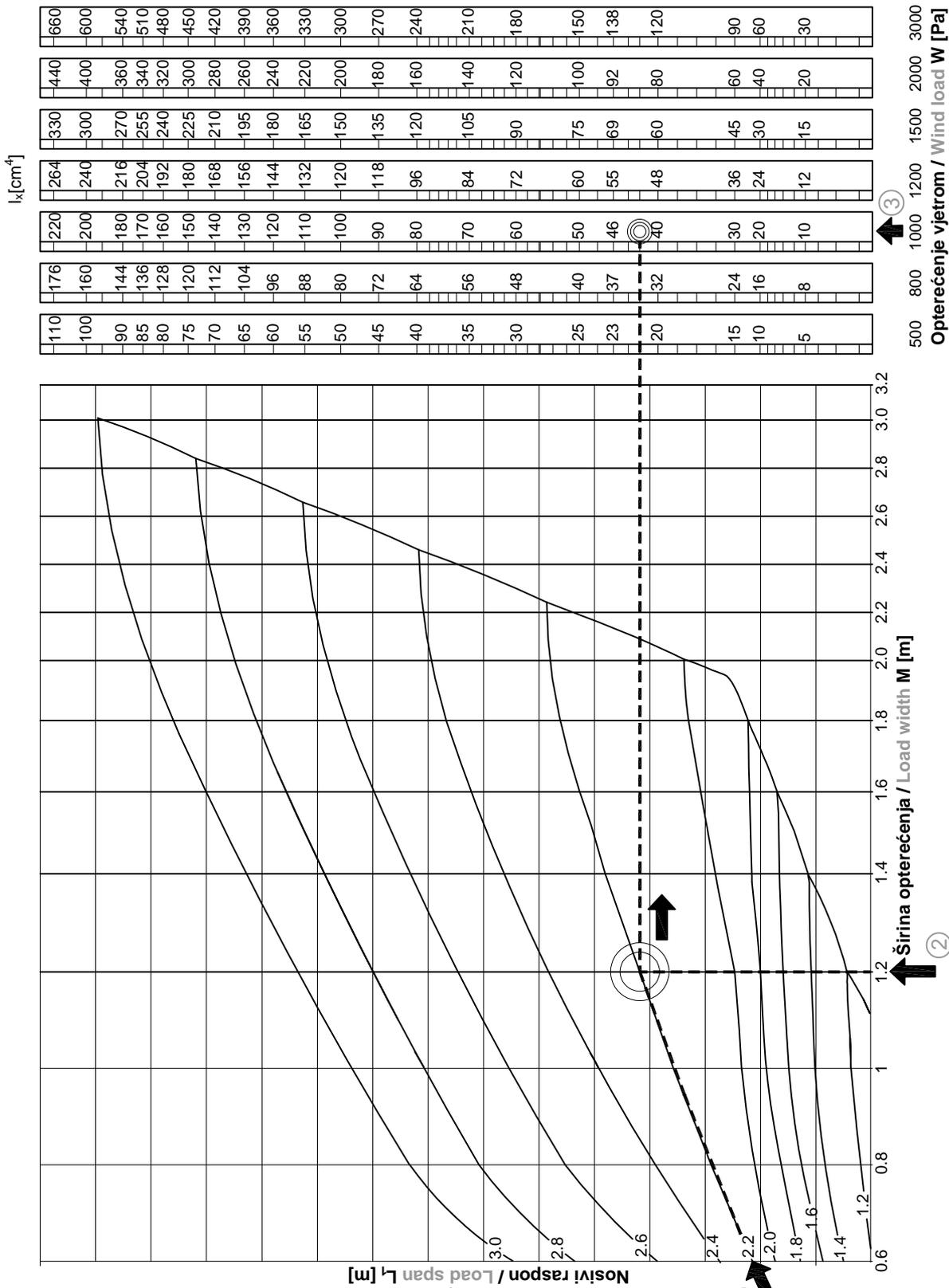
Tablica 1. Težina stakla
Table 1. Glass weight

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



Statički dijagram - opterećenje vjetrom / Structural diagram of wind load

Trokutasto i trapezoidno opterećenje / Triangular and trapezoidal load



I_x [cm⁴]

660	600	540	510	480	450	420	390	360	330	300	270	240	210	180	150	138	120	90	60	30
440	400	360	340	320	300	280	260	240	220	200	180	160	140	120	100	92	80	60	40	20
330	300	270	255	240	225	210	195	180	165	150	135	120	105	90	75	69	60	45	30	15
264	240	216	204	192	180	168	156	144	132	120	108	96	84	72	60	55	48	36	24	12
220	200	180	170	160	150	140	130	120	110	100	90	80	70	60	50	46	40	30	20	10
176	160	144	136	128	120	112	104	96	88	80	72	64	56	48	40	37	32	24	16	8
110	100	90	85	80	75	70	65	60	55	50	45	40	35	30	25	23	20	15	10	5

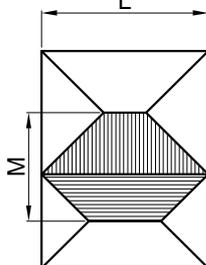
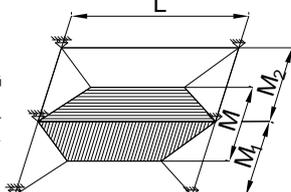
500 800 1000 1200 1500 2000 3000
Opterećenje vjetrom / Wind load W [Pa]

Pa(N/m ²)	400	500	600	700	800	900	1000	1100	1200	1400	1500	1600	1800	2000	2200	2400	3000
kPa(kN/m ²)	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.4	1.5	1.6	1.8	2.0	2.2	2.4	3.0
km/h	89.6	100.1	109.7	118.5	126.7	134.4	141.6	148.5	155.1	167.7	173.5	179.1	190.0	200.3	210.1	219.4	245.3
m/s	24.9	27.8	30.5	32.9	35.2	37.3	39.3	41.3	43.1	46.5	48.2	49.8	52.8	55.6	58.4	60.9	68.1

Osnovni uvjeti
Basic assumptions:
fdop. / adm. = L / 200

Trapezoidno opterećenje
Trapezoidal load

$$M = (M_1 + M_2) / 2$$



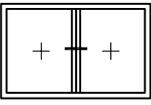
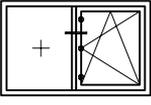
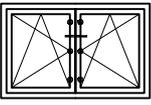
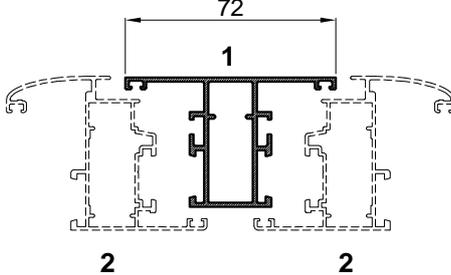
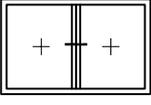
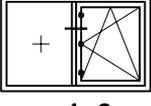
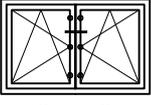
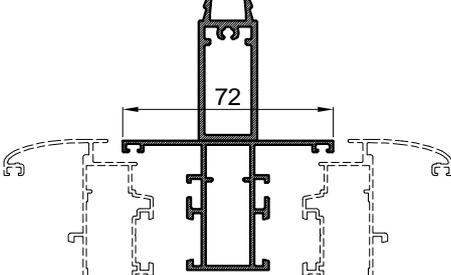
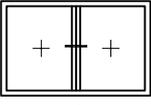
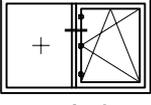
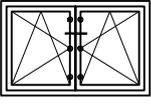
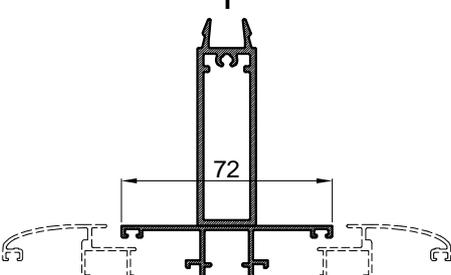
Primjer 1 / Example 1:

- ① Nosivi raspon / Load span: L = 2.20 m
- ② Širina opterećenja / Load width: M₁ = 1,0 m, M₂ = 1,4 m, M = (M₁ + M₂) / 2 = 1,2 m
- ③ Tlak vjetra* / Wind pressure* = 1000 Pa

Rezultat / Result
Potrebni I_x / Required I_x = 42 cm⁴

Odaberi odgovarajući profil iz tablice profila / Select the profile from the profile table

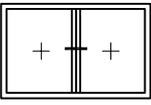
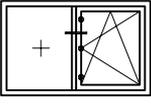
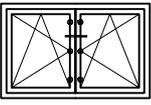
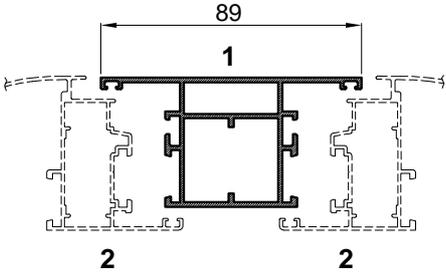
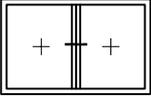
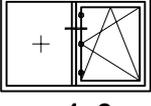
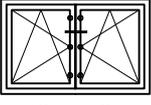
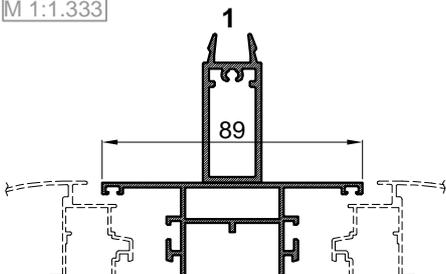
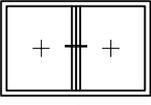
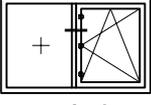
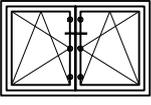
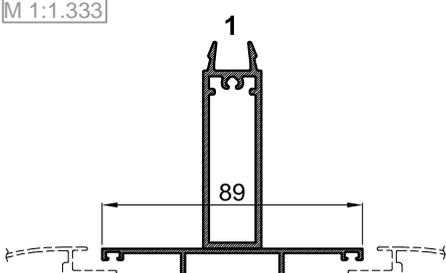
Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 741 676 846"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-725</td> <td>8.43</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-725	8.43	M45-725+M45-737	19.35	M45-737+M45-725+M45-737	30.27
		Profil /Profile 1	I_x (cm ⁴)						
		M45-725	8.43						
		M45-725+M45-731	21.76	M45-731+M45-725+M45-731	35.09				
		M45-725+M45-734	20.42	M45-734+M45-725+M45-734	32.41				
M45-725+M45-730	27.55	M45-730+M45-725+M45-730	46.67						
M45-725+M45-701	28.18	M45-701+M45-725+M45-701	47.93						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 1317 676 1467"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-725 i F-1634</td> <td>43.22</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-725 i F-1634	43.22	M45-725 i F-1634 + M45-737	54.14	M45-737 + M45-725 i F-1634 + M45-737	65.06
		Profil /Profile 1	I_x (cm ⁴)						
		M45-725 i F-1634	43.22						
		M45-725 i F-1634 + M45-731	56.55	M45-731 + M45-725 i F-1634 + M45-731	69.88				
		M45-725 i F-1634 + M45-734	55.21	M45-734 + M45-725 i F-1634 + M45-734	67.2				
M45-725 i F-1634 + M45-730	62.34	M45-730 + M45-725 i F-1634 + M45-730	81.46						
M45-725 i F-1634 + M45-701	62.97	M45-701 + M45-725 i F-1634 + M45-701	82.72						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 1960 676 2065"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-725 i NP-4183</td> <td>75.78</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-725 i NP-4183	75.78	M45-725 i NP-4183 + M45-737	86.7	M45-737 + M45-725 i NP-4183 + M45-737	97.62
		Profil /Profile 1	I_x (cm ⁴)						
		M45-725 i NP-4183	75.78						
		M45-725 i NP-4183 + M45-731	89.11	M45-731 + M45-725 i NP-4183 + M45-731	102.44				
		M45-725 i NP-4183 + M45-734	87.77	M45-734 + M45-725 i NP-4183 + M45-734	99.76				
M45-725 i NP-4183 + M45-730	94.9	M45-730 + M45-725 i NP-4183 + M45-730	114.02						
M45-725 i NP-4183 + M45-701	95.53	M45-701 + M45-725 i NP-4183 + M45-701	115.28						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

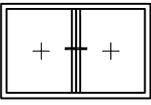
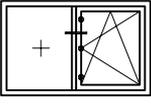
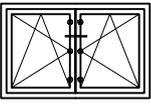
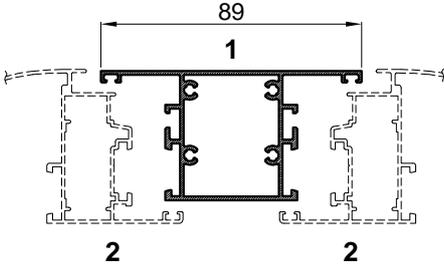
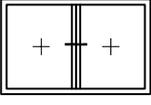
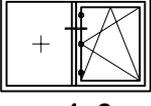
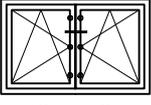
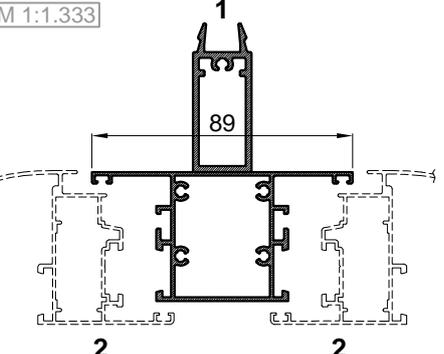
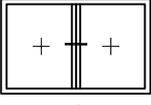
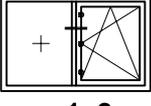
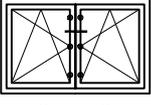
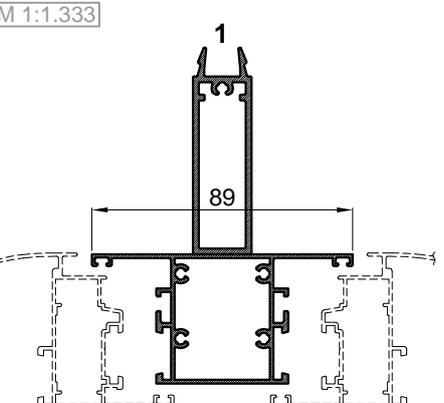
Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 741 676 846"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-703</td> <td>11.99</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-703	11.99	M45-703+M45-737	22.92	M45-737+M45-703+M45-737	33.83
		Profil /Profile 1	I_x (cm ⁴)						
		M45-703	11.99						
		M45-703+M45-731	25.32	M45-731+M45-703+M45-731	38.65				
		M45-703+M45-734	23.98	M45-734+M45-703+M45-734	35.97				
M45-703+M45-730	31.11	M45-730+M45-703+M45-730	50.23						
M45-703+M45-701	31.74	M45-701+M45-703+M45-701	51.49						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 1317 676 1467"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-703 i F-1634</td> <td>51.06</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-703 i F-1634	51.06	M45-703 i F-1634 + M45-737	61.98	M45-737 + M45-703 i F-1634 + M45-737	72.9
		Profil /Profile 1	I_x (cm ⁴)						
		M45-703 i F-1634	51.06						
		M45-703 i F-1634 + M45-731	64.39	M45-731 + M45-703 i F-1634 + M45-731	77.72				
		M45-703 i F-1634 + M45-734	63.05	M45-734 + M45-703 i F-1634 + M45-734	75.04				
M45-703 i F-1634 + M45-730	70.18	M45-730 + M45-703 i F-1634 + M45-730	89.3						
M45-703 i F-1634 + M45-701	70.81	M45-701 + M45-703 i F-1634 + M45-701	90.56						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <table border="1" data-bbox="400 1955 676 2060"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-703 i NP-4183</td> <td>87.89</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-703 i NP-4183	87.89	M45-703 i NP-4183 + M45-737	98.81	M45-737 + M45-703 i NP-4183 + M45-737	109.73
		Profil /Profile 1	I_x (cm ⁴)						
		M45-703 i NP-4183	87.89						
		M45-703 i NP-4183 + M45-731	101.22	M45-731 + M45-703 i NP-4183 + M45-731	114.55				
		M45-703 i NP-4183 + M45-734	99.88	M45-734 + M45-703 i NP-4183 + M45-734	111.87				
M45-703 i NP-4183 + M45-730	107.01	M45-730 + M45-703 i NP-4183 + M45-730	126.13						
M45-703 i NP-4183 + M45-701	107.64	M45-701 + M45-703 i NP-4183 + M45-701	127.39						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

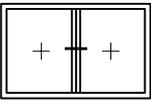
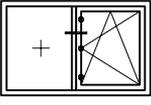
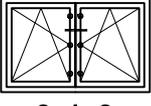
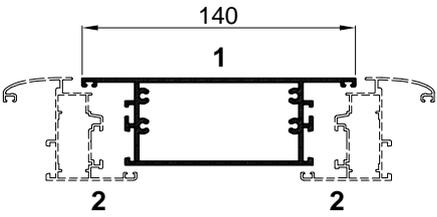
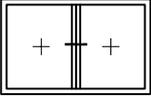
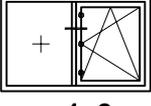
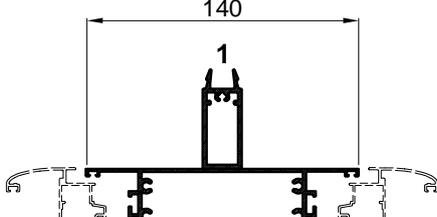
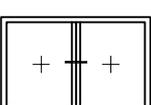
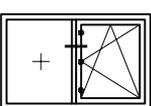
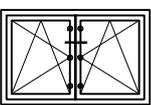
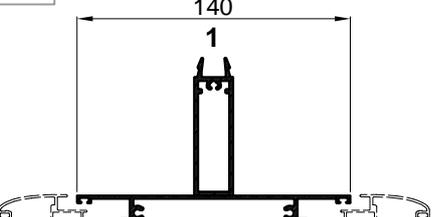
Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <p>2 2</p> <table border="1" data-bbox="400 741 676 846"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-706</td> <td>10.74</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-706	10.74	M45-706+M45-737	21.66	M45-737+M45-706+M45-737	32.58
		Profil /Profile 1	I_x (cm ⁴)						
		M45-706	10.74						
		M45-706+M45-731	24.07	M45-731+M45-706+M45-731	37.4				
		M45-706+M45-734	22.73	M45-734+M45-706+M45-734	34.72				
M45-706+M45-730	29.86	M45-730+M45-706+M45-730	48.98						
M45-706+M45-701	30.49	M45-701+M45-706+M45-701	50.24						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <p>2 2</p> <table border="1" data-bbox="400 1323 676 1469"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-706 i F-1634</td> <td>48.86</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-706 i F-1634	48.86	M45-706 i F-1634 + M45-737	59.78	M45-737 + M45-706 i F-1634 + M45-737	70.7
		Profil /Profile 1	I_x (cm ⁴)						
		M45-706 i F-1634	48.86						
		M45-706 i F-1634 + M45-731	62.19	M45-731 + M45-706 i F-1634 + M45-731	75.52				
		M45-706 i F-1634 + M45-734	60.98	M45-734 + M45-706 i F-1634 + M45-734	72.84				
M45-706 i F-1634 + M45-730	67.98	M45-730 + M45-706 i F-1634 + M45-730	87.1						
M45-706 i F-1634 + M45-701	68.61	M45-701 + M45-706 i F-1634 + M45-701	88.36						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:1.333</p>  <p>2 2</p> <table border="1" data-bbox="400 1951 676 2067"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-706 i NP-4183</td> <td>84.33</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-706 i NP-4183	84.33	M45-706 i NP-4183 + M45-737	95.25	M45-737 + M45-706 i NP-4183 + M45-737	106.17
		Profil /Profile 1	I_x (cm ⁴)						
		M45-706 i NP-4183	84.33						
		M45-706 i NP-4183 + M45-731	97.66	M45-731 + M45-706 i NP-4183 + M45-731	110.99				
		M45-706 i NP-4183 + M45-734	96.32	M45-734 + M45-706 i NP-4183 + M45-734	108.31				
M45-706 i NP-4183 + M45-730	103.45	M45-730 + M45-706 i NP-4183 + M45-730	122.57						
M45-706 i NP-4183 + M45-701	104.08	M45-701 + M45-706 i NP-4183 + M45-701	123.83						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

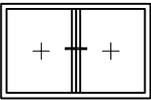
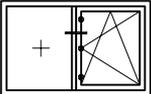
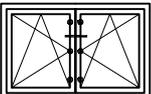
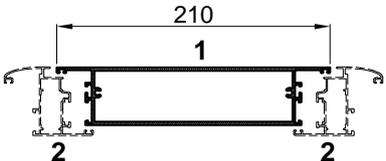
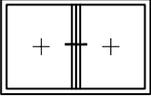
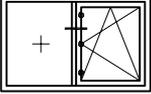
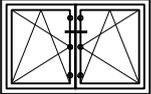
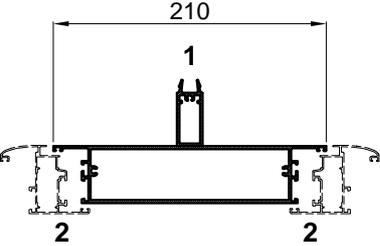
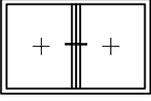
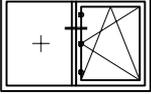
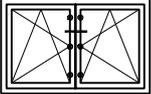
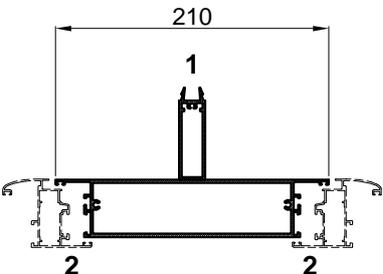
Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:2</p>  <table border="1" data-bbox="400 741 676 846"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-723</td> <td>21.11</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-723	21.11	M45-723+M45-737	32.03	M45-737+M45-723+M45-737	42.95
		Profil /Profile 1	I_x (cm ⁴)						
		M45-723	21.11						
		M45-723+M45-731	34.44	M45-731+M45-723+M45-731	47.77				
		M45-723+M45-734	33.1	M45-734+M45-723+M45-734	45.09				
M45-723+M45-730	40.23	M45-730+M45-723+M45-730	59.35						
M45-723+M45-701	40.86	M45-701+M45-723+M45-701	60.61						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:2</p>  <table border="1" data-bbox="400 1323 676 1473"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-723 i F-1634</td> <td>67.54</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-723 i F-1634	67.54	M45-723 i F-1634 + M45-737	78.46	M45-737 + M45-723 i F-1634 + M45-737	89.38
		Profil /Profile 1	I_x (cm ⁴)						
		M45-723 i F-1634	67.54						
		M45-723 i F-1634 + M45-731	80.87	M45-731 + M45-723 i F-1634 + M45-731	94.2				
		M45-723 i F-1634 + M45-734	79.53	M45-734 + M45-723 i F-1634 + M45-734	91.52				
M45-723 i F-1634 + M45-730	86.66	M45-730 + M45-723 i F-1634 + M45-730	105.78						
M45-723 i F-1634 + M45-701	87.29	M45-701 + M45-723 i F-1634 + M45-701	107.04						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:2</p>  <table border="1" data-bbox="400 1883 676 2033"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-723 i NP-4183</td> <td>111.05</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-723 i NP-4183	111.05	M45-723 i NP-4183 + M45-737	121.97	M45-737 + M45-723 i NP-4183 + M45-737	132.89
		Profil /Profile 1	I_x (cm ⁴)						
		M45-723 i NP-4183	111.05						
		M45-723 i NP-4183 + M45-731	124.38	M45-731 + M45-723 i NP-4183 + M45-731	137.71				
		M45-723 i NP-4183 + M45-734	123.04	M45-734 + M45-723 i NP-4183 + M45-734	135.03				
M45-723 i NP-4183 + M45-730	130.17	M45-730 + M45-723 i NP-4183 + M45-730	149.29						
M45-723 i NP-4183 + M45-701	130.8	M45-701 + M45-723 i NP-4183 + M45-701	150.55						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

Vrijednosti momenta inercije Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
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		Profil /Profile 1	I_x (cm ⁴)						
		M45-724	41.87						
		M45-724+M45-731	55.2	M45-731+M45-724+M45-731	68.53				
		M45-724+M45-734	53.86	M45-734+M45-724+M45-734	65.85				
M45-724+M45-730	60.99	M45-730+M45-724+M45-730	80.11						
M45-724+M45-701	61.62	M45-701+M45-724+M45-701	81.37						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:3</p>  <table border="1" data-bbox="400 1319 676 1464"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-724 i F-1634</td> <td>96.23</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-724 i F-1634	96.23	M45-724 i F-1634 + M45-737	107.92	M45-737 + M45-724 i F-1634 + M45-737	118.07
		Profil /Profile 1	I_x (cm ⁴)						
		M45-724 i F-1634	96.23						
		M45-724 i F-1634 + M45-731	109.56	M45-731 + M45-724 i F-1634 + M45-731	122.89				
		M45-724 i F-1634 + M45-734	108.22	M45-734 + M45-724 i F-1634 + M45-734	120.21				
M45-724 i F-1634 + M45-730	115.35	M45-730 + M45-724 i F-1634 + M45-730	134.47						
M45-724 i F-1634 + M45-701	115.98	M45-701 + M45-724 i F-1634 + M45-701	135.73						
 <p>1</p>  <p>1+2</p>  <p>2+1+2</p>	<p>M 1:3</p>  <table border="1" data-bbox="400 1901 676 2047"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-724 i NP-4183</td> <td>147.33</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-724 i NP-4183	147.33	M45-724 i NP-4183 + M45-737	158.25	M45-737 + M45-724 i NP-4183 + M45-737	169.17
		Profil /Profile 1	I_x (cm ⁴)						
		M45-724 i NP-4183	147.33						
		M45-724 i NP-4183 + M45-731	160.66	M45-731 + M45-724 i NP-4183 + M45-731	173.99				
		M45-724 i NP-4183 + M45-734	159.32	M45-734 + M45-724 i NP-4183 + M45-734	171.31				
M45-724 i NP-4183 + M45-730	166.45	M45-730 + M45-724 i NP-4183 + M45-730	185.57						
M45-724 i NP-4183 + M45-701	167.08	M45-701 + M45-724 i NP-4183 + M45-701	186.83						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

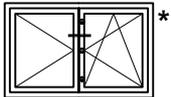
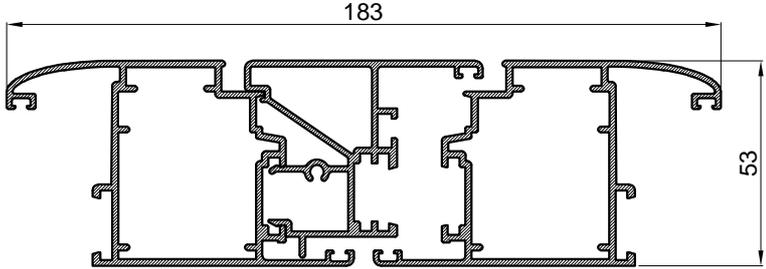
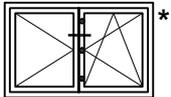
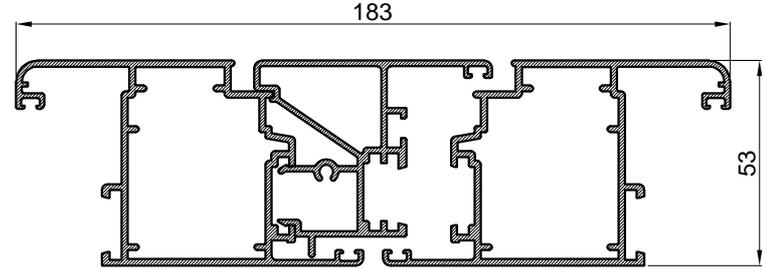
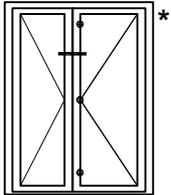
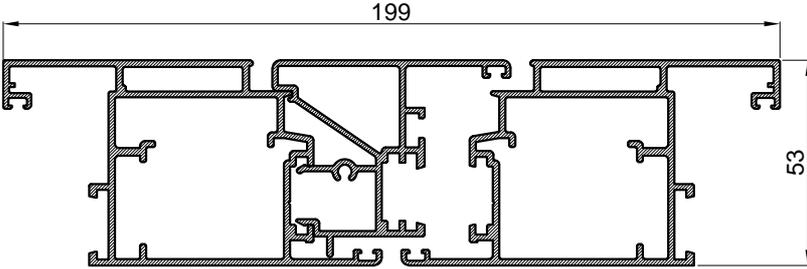
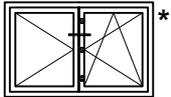
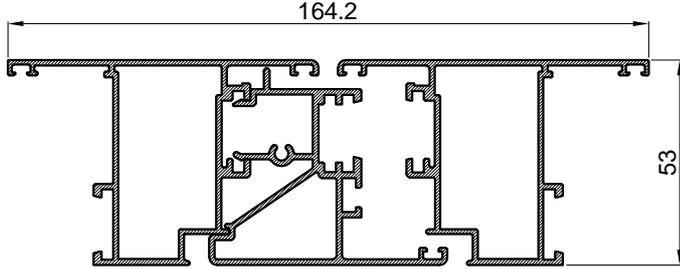
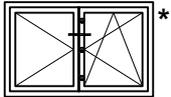
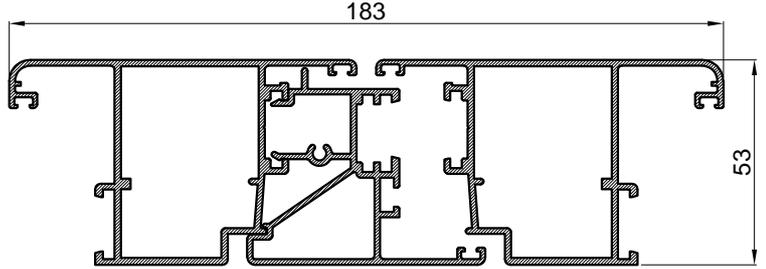
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili /Profiles 1+2	I_x (cm ⁴)	Profili /Profiles 2+1+2	I_x (cm ⁴)				
<p>1</p> <p>1+2</p> <p>2+1+2</p>	<p>M 1:1.333</p> <table border="1"> <thead> <tr> <th>Profil /Profile 1</th> <th>I_x (cm⁴)</th> </tr> </thead> <tbody> <tr> <td>M45-721</td> <td>81.64</td> </tr> </tbody> </table>	Profil /Profile 1	I_x (cm ⁴)	M45-721	81.64	M45-721+M45-737	92.56	M45-737+M45-721+M45-737	103.48
		Profil /Profile 1	I_x (cm ⁴)						
		M45-721	81.64						
		M45-721+M45-731	94.97	M45-731+M45-721+M45-731	108.3				
		M45-721+M45-734	93.63	M45-734+M45-721+M45-734	105.62				
M45-721+M45-730	100.76	M45-730+M45-721+M45-730	119.88						
M45-721+M45-701	101.39	M45-701+M45-721+M45-701	121.14						
Tip otvaranja Opening type	Izgled View	Profili Profiles	I_x (cm ⁴)						
<p>*</p>		<p>(M45-737 i M45-708) + M45-737</p>	32.38						
<p>*</p>		<p>(M45-731 i M45-708) + M45-731</p>	37.29						
<p>*</p>		<p>(M45-734 i M45-708) + M45-734</p>	34.5						

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

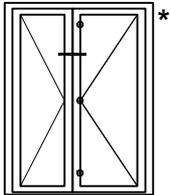
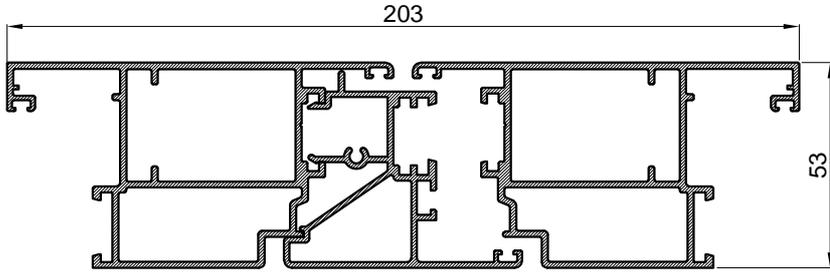
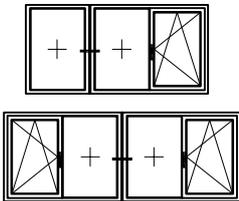
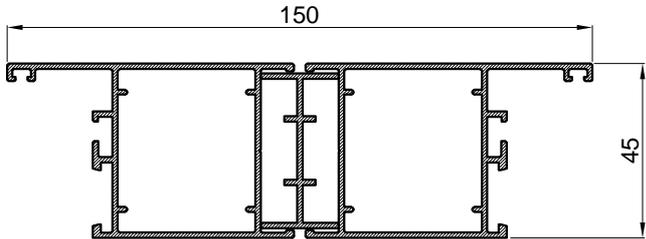
Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm ⁴)
 *		(M45-730 i M45-708) + M45-730	49.86
 *		(M45-701 i M45-708) + M45-701	50
 *		(M45-760 i M45-708) + M45-760	60.81
 *		(M45-736 i M45-708) + M45-736	35.57
 *		(M45-707 i M45-708) + M45-707	47.4

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

Vrijednosti momenta inercije
Moment of inertia values

Tip otvaranja Opening type	Izgled View	Profili Profiles	Ix (cm ⁴)
		(M45-761 i M45-708) + M45-761	68.84
		(M45-714 i M45-708) i M45-714	24.40

* Preduvjet: minimalno tri točke ključanja, s maksimalnim međusobnim razmakom 800 mm

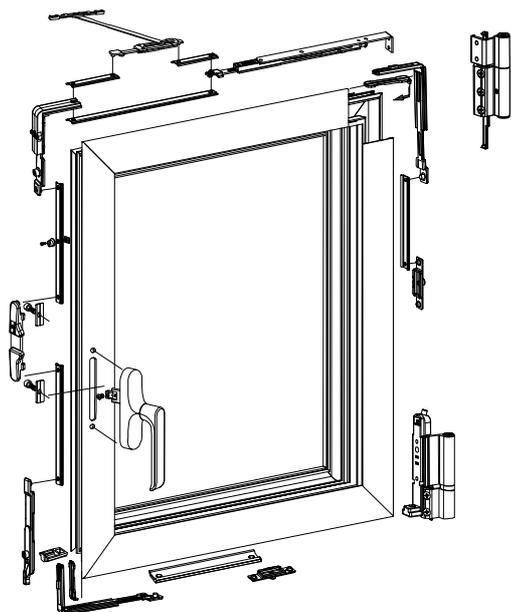
* Precondition: min. 3 locking points, with max. distance between locking points 800 mm

134.026.xx - OTKLOPNO-ZAOKRETNI MEHANIZAM - STUBLINA (4135.00)

134.026.xx - TILT-TURN MECHANISM - STUBLINA (4135.00)

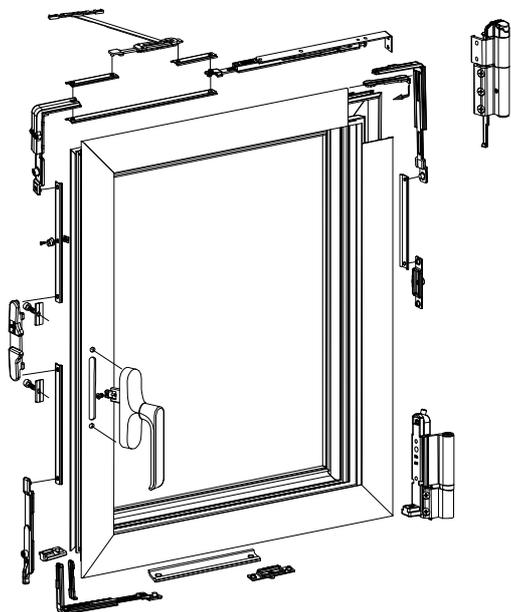
Maksimalna težina krila 100 kg
Maximum sash weight 100 kg
Tablica nosivosti za:
Table of loads:

4135.00
4136.00
4137.00



Maksimalna težina krila 130 kg
Maximum sash weight 130 kg
Tablica nosivosti za:
Table of loads:

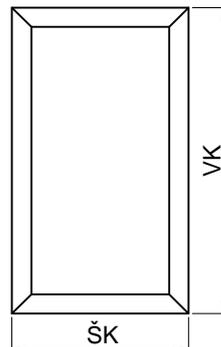
4135.00U
4136.00U
4137.00U



Debljina stakla (mm)
Glass thickness (mm)

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

X Neizvedivo / Unfeasible



Debljina stakla
Glass thickness

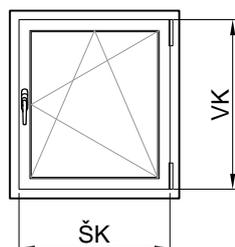
mm	kg/m ²
6	15
8	20
10	25
12	30
14	35
16	40
18	45
20	50
22	55
24	60
26	65
28	70
30	80
32	85
34	90
36	95
38	100
40	105
42	110
44	115
46	120
48	125

Debljina stakla (mm)
Glass thickness (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) ŠK(mm)	425	535	600	700	800	900	1000	1100	1200	1300	1400	1500	1600

X Neizvedivo / Unfeasible

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



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

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

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

350

x Neizvedivo / Unfeasible

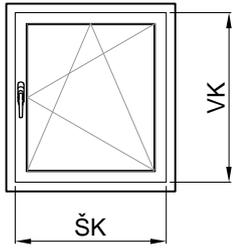
Maksimalna težina krila (kg)
Maximum sash weight (kg)

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

350

x Neizvedivo / Unfeasible

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



Maksimalna težina krila 100 kg
Maximum sash weight 100 kg

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

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

445 **x** Neizvedivo / Unfeasible

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

470 **x** Neizvedivo / Unfeasible

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

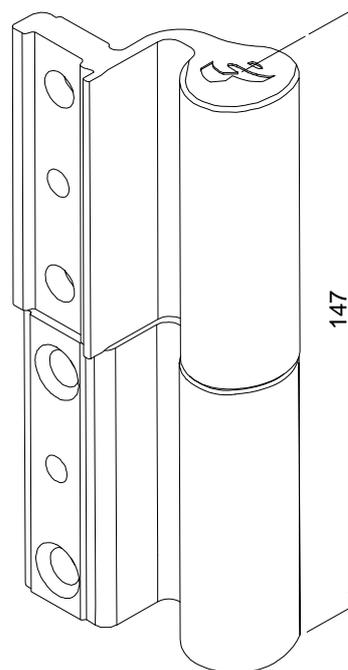
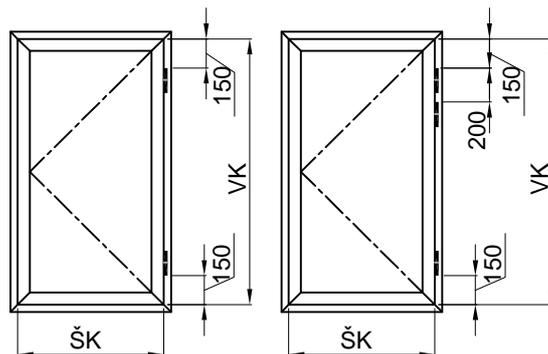
470 **x** Neizvedivo / Unfeasible

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

Tablica nosivosti šarke 114.001.xx (Stublina 2006.00)
Table of loads for hinges 114.001.xx (Stublina 2006.00)

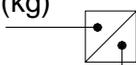
2800	90/100	90/100	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	67/76	62/70	
2700	90/100	90/100	90/100	90/100	90/100	90/100	90/100	90/100	76/86	67/76	62/70	58/66	
2600	90/100	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	67/76	58/66	57/63	
2500	90/100	90/100	90/100	90/100	90/100	90/100	90/100	76/86	67/76	62/70	58/66	55/61	
2400	90/100	90/100	90/100	90/100	90/100	90/100	80/90	71/80	65/72	58/66	56/62	54/60	
2300	90/100	90/100	90/100	90/100	90/100	90/100	74/82	67/76	62/70	57/64	54/60	52/59	
2200	90/100	90/100	90/100	90/100	80/90	71/80	62/70	58/66	56/62	51/58	49/56	47/52	
2100	90/100	90/100	90/100	90/100	74/82	65/72	58/66	56/62	51/58	49/56	47/52	45/50	
2000	90/100	90/100	90/100	80/90	69/78	62/70	56/62	54/60	50/57	47/52	45/50	43/48	
1900	90/100	90/100	90/100	71/80	62/70	58/66	54/60	49/56	47/52	45/50	43/48	41/46	
1800	90/100	90/100	80/90	67/76	58/66	54/60	51/58	49/56	47/52	45/50	43/48	41/46	
1700	90/100	90/100	71/80	62/70	57/64	51/58	49/56	47/52	45/50	43/48	41/46	39/44	
1600	90/100	76/85	65/72	58/66	54/60	49/56	47/52	45/50	43/48	41/46	39/44	37/42	
1500	90/100	70/79	58/66	54/60	50/57	48/53	45/50	43/48	41/46	39/44	37/42	35/40	
1400	90/100	76/86	62/70	56/62	51/58	47/52	45/50	43/48	41/46	39/44	37/42	35/40	
1300	90/100	68/75	58/66	54/60	49/55	46/50	43/48	41/46	39/44	37/42	35/40	33/38	
VK	ŠK	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800

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



114.001.xx

A (kg)



B (kg)

A - javna upotreba sa dvije šarke

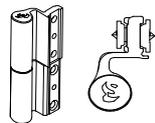
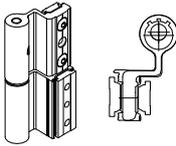
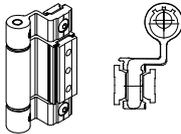
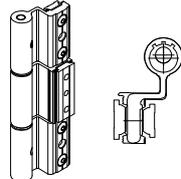
A - public use with two hinges

B - privatna upotreba sa dvije šarke

B - private use with two hinges

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

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

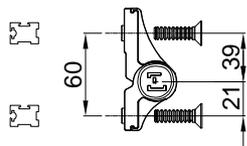
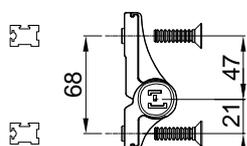
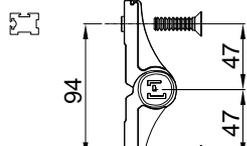
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load			
			Privatna upotreba Private use		Javna upotreba Public use	
			2 šarke 2 hinges	3 šarke 3 hinges	2 šarke 2 hinges	3 šarke 3 hinges
114.001.01 02 03		- Dvodijelna šarka- <i>EURO ŽLIJEB</i> - Oznaka proizvođača Stublina: 2006.00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

Tablica nosivosti šarke 110.008 (Glasmarte)
Table of loads for hinge 110.008 (Glasmarte)

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load	
			2 šarke 2 hinges	3 šarke 3 hinges
110.008		- Šarka za staklena vrata sa jednostrukim staklom - Oznaka proizvođača Glasmarte: (Art.-Nr.963709) - Hinge for glass door with single pane glass - Manufacturer code Glasmarte: (Art.-Nr.963709)	40 kg	55 kg

- TABLICE NOSIVOSTI ŠARKI
- TABLE OF LOADS FOR HINGES

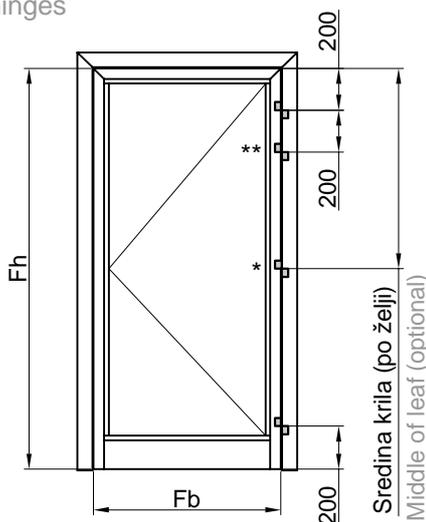
Tablica nosivosti šarke 113.008.xx ; 113.009.xx i 113.011.xx (ALU-B)
Table of loads for hinges 113.008.xx ; 113.009.xx and 113.011.xx (ALU-B)

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Nosivost Load 2 šarke 2 hinges
113.008.01 02 03		<ul style="list-style-type: none"> - Dvodijelna šarka OSNO 60 - Oznaka proizvođača ALU-B: Max3D 60 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge axial distance 60 - Manufacturer code ALU-B: Max3D 60 - Color: 01- white; 02 - gray;03 - black 	120 kg
113.009.01 02 03		<ul style="list-style-type: none"> - Dvodijelna šarka OSNO 68- Oznaka proizvođača ALU-B: Max3D 68 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge axial distance 68 - Manufacturer code ALU-B: Max3D 68 - Color: 01- white; 02 - gray;03 - black 	120 kg
113.011.01 02 03		<ul style="list-style-type: none"> - Dvodijelna šarka OSNO 94 - Oznaka proizvođača ALU-B: Max3D 94 - Boje: 01- bijela; 02 - siva;03 - crna - Two-part hinge axial distance 94 - Manufacturer code ALU-B: Max3D 94 - Color: 01- white; 02 - gray;03 - black 	120 kg

Preporuke za ugradnju šarki
Recommendations for montage of the hinges

Fh = Visina krila
Leaf height

Fb = Širina krila
Leaf width



EN 1935:2002 Annex E

Zatvarači vrata povećavaju opterećenje na šarke i njihov stupanj trošenja. Za zatvarače bez prigušenja otvaranja efektivna masa vrata je 20% veća od stvarne mase vrata. Za zatvarače s prigušenjem otvaranja efektivna masa vrata je 75% veća od stvarne mase vrata.

* Dodatna šarka za bolje brtvljenje preporučuje se za visine krila iznad 2200 mm.

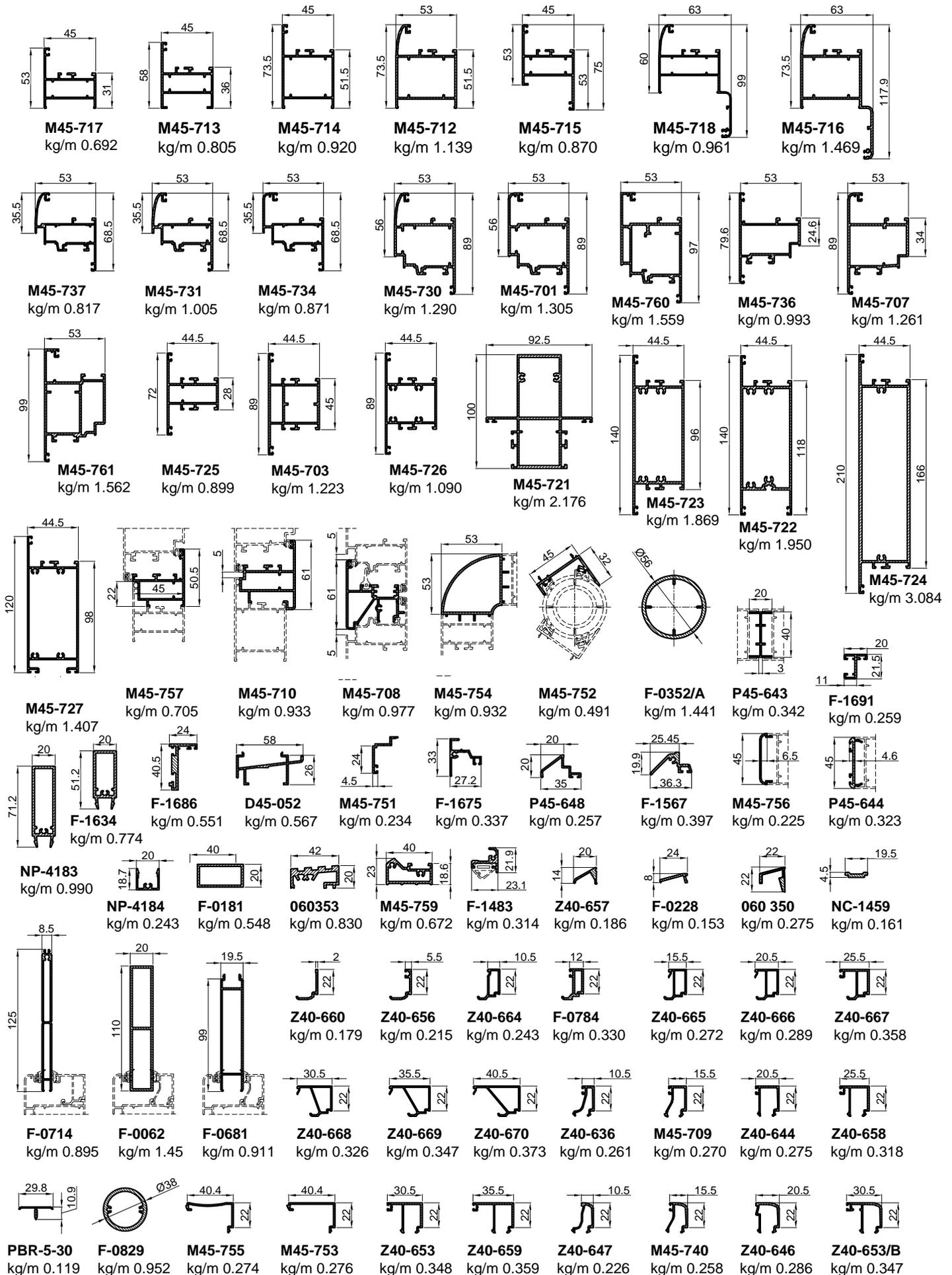
** Na vratima s ugrađenim zatvaračem kao i na vratima za javnu upotrebu potrebno je koristiti najmanje tri šarke.

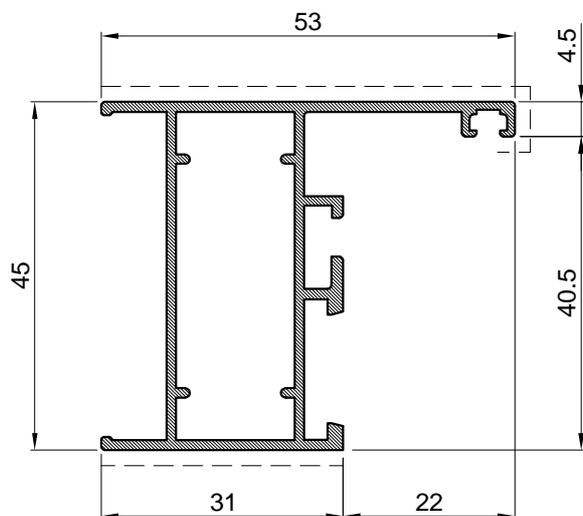
Door closers increase the loading on door hinges and their rate of wear. For door closers without backcheck the effective door mass is 20 % greater than the actual door mass. For back-check closers the effective door mass is calculated to be 75% greater.

* Additional door hinge for better sealing pressure is recommended for leaf height over 2200 mm.

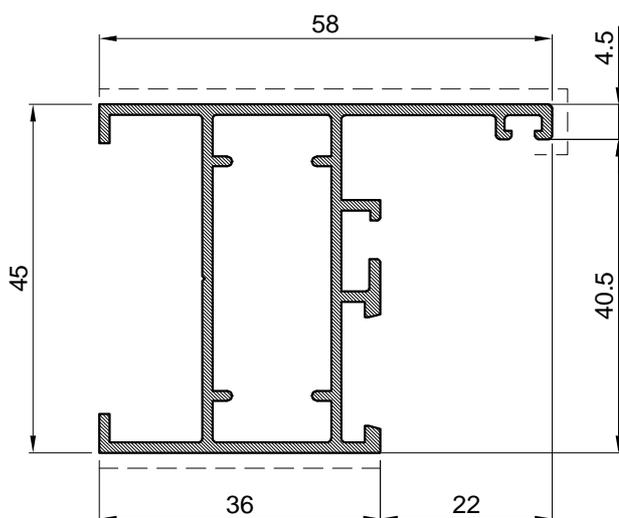
** Doors fitted with door closers as well as doors for public use should use at least three hinges.

Profili Profiles

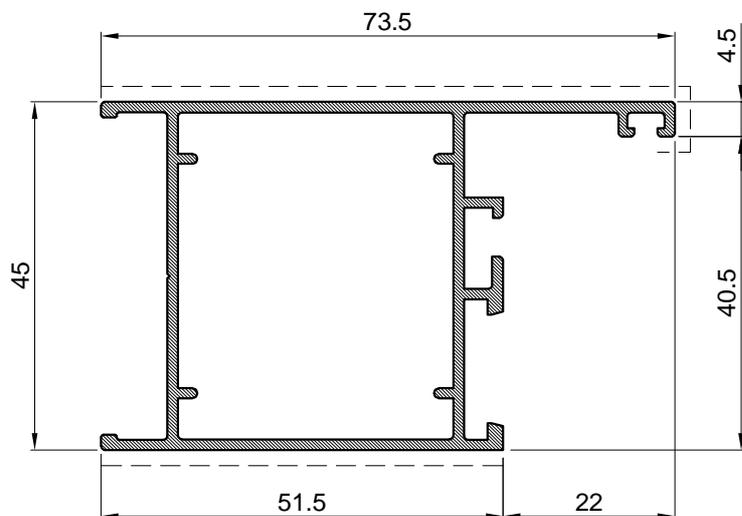




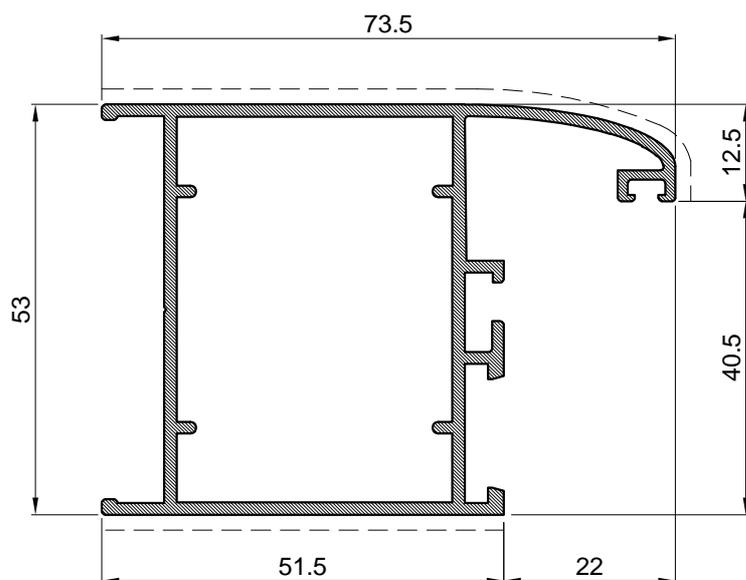
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-717	
Težina Weight	kg/m'	0.692
Opseg Perimeter	mm	277
Moment inercije Moments of inertia	I _x (cm ⁴)	7.28
	I _y (cm ⁴)	3.99
	W _x (cm ³)	2.87
	W _y (cm ³)	1.27
L	mm	6500



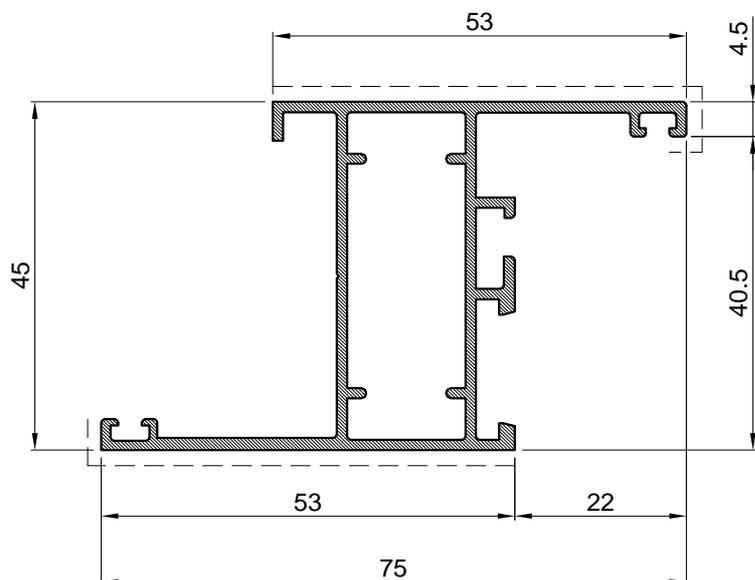
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-713	
Težina Weight	kg/m'	0.805
Opseg Perimeter	mm	309
Moment inercije Moments of inertia	I _x (cm ⁴)	8.77
	I _y (cm ⁴)	5.69
	W _x (cm ³)	3.47
	W _y (cm ³)	1.72
L	mm	6500



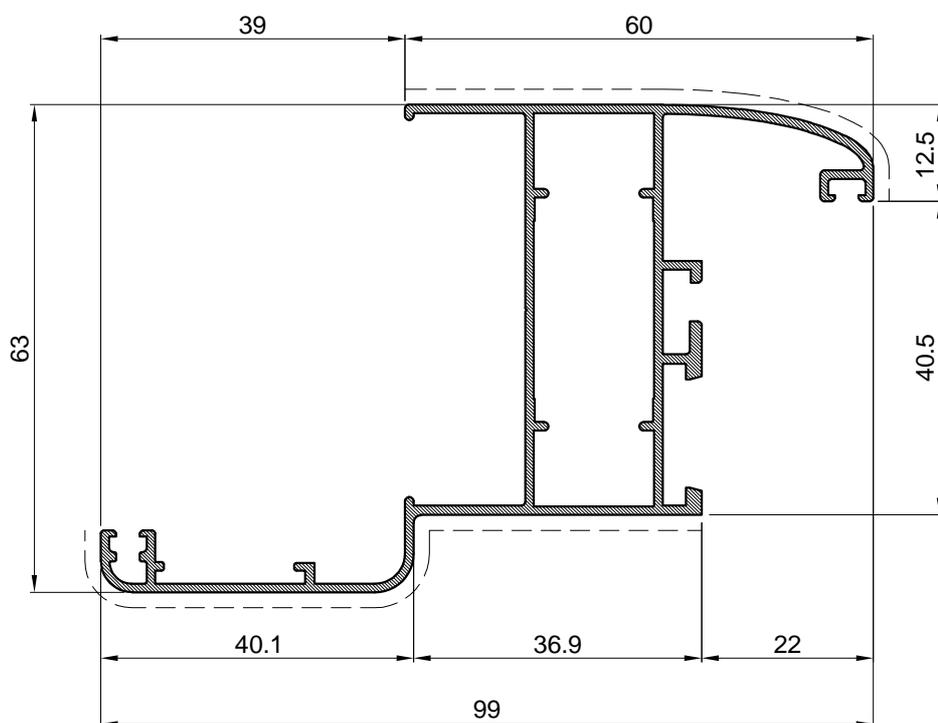
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-714	
Težina Weight	kg/m'	0.920
Opseg Perimeter	mm	317
Moment inercije Moments of inertia	I _x (cm ⁴)	10.76
	I _y (cm ⁴)	13.58
	W _x (cm ³)	4.32
	W _y (cm ³)	3.34
L	mm	6500



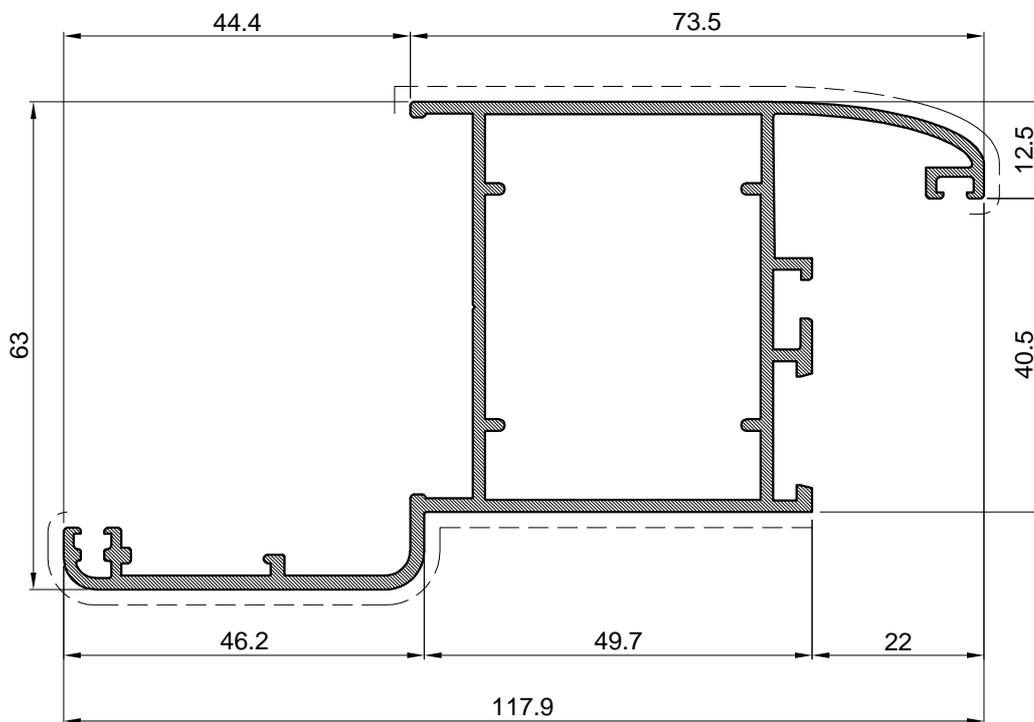
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-712	
Težina Weight	kg/m'	1.139
Opseg Perimeter	mm	348
Moment inercije Moments of inertia	I _x (cm ⁴)	16.96
	I _y (cm ⁴)	17.56
	W _x (cm ³)	5.88
	W _y (cm ³)	4.34
L	mm	6500



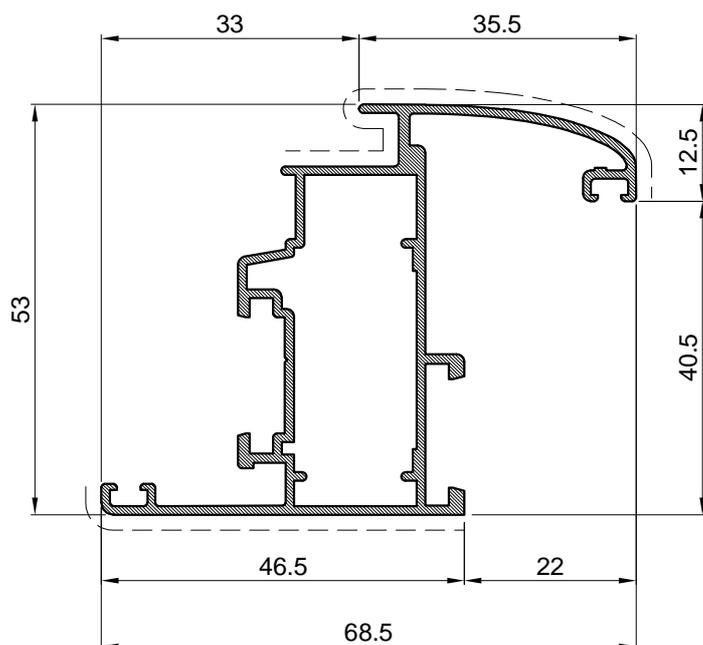
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-715	
Težina Weight	kg/m'	0.870
Opseg Perimeter	mm	339
Moment inercije Moments of inertia	I _x (cm ⁴)	10.10
	I _y (cm ⁴)	8.66
	W _x (cm ³)	4.48
	W _y (cm ³)	2.21
L	mm	6500



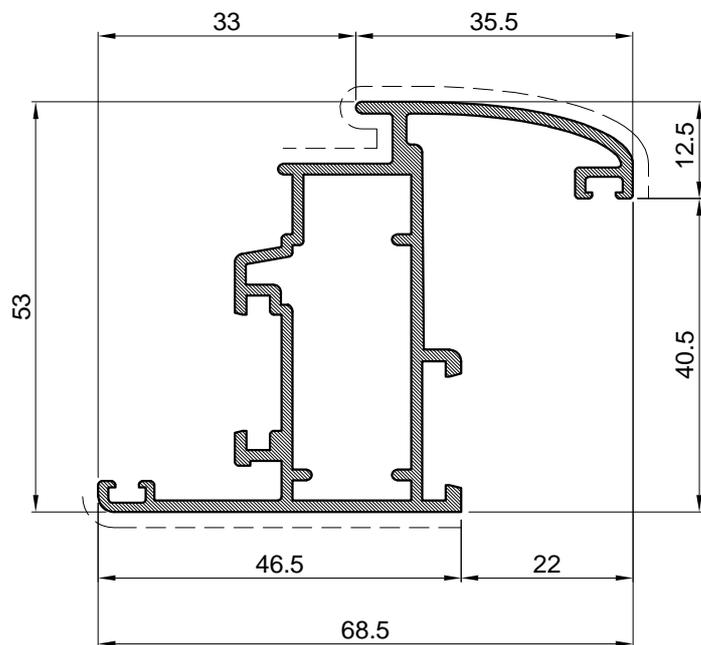
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-718	
Težina Weight	kg/m'	0.961
Opseg Perimeter	mm	474
Moment inercije Moments of inertia	I _x (cm ⁴)	18.63
	I _y (cm ⁴)	21.00
	W _x (cm ³)	5.89
	W _y (cm ³)	3.70
L	mm	6500



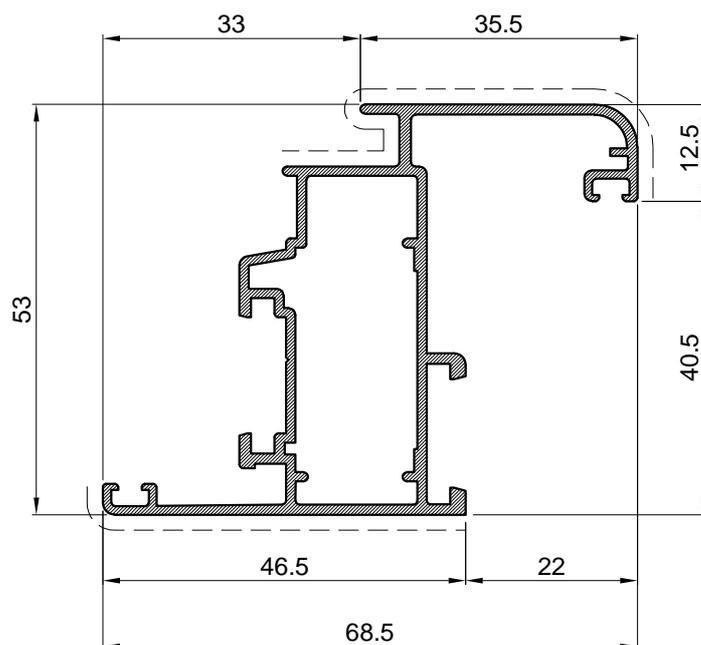
Profil rama Frame profile		
Art.Br. Art.Nr.	M45-716	
Težina Weight	kg/m'	1.469
Opseg Perimeter	mm	490.26
Moment inercije Moments of inertia	Ix (cm ⁴)	29.51
	Iy (cm ⁴)	48.68
	Wx (cm ³)	9.14
	Wy (cm ³)	7.46
L	mm	6500



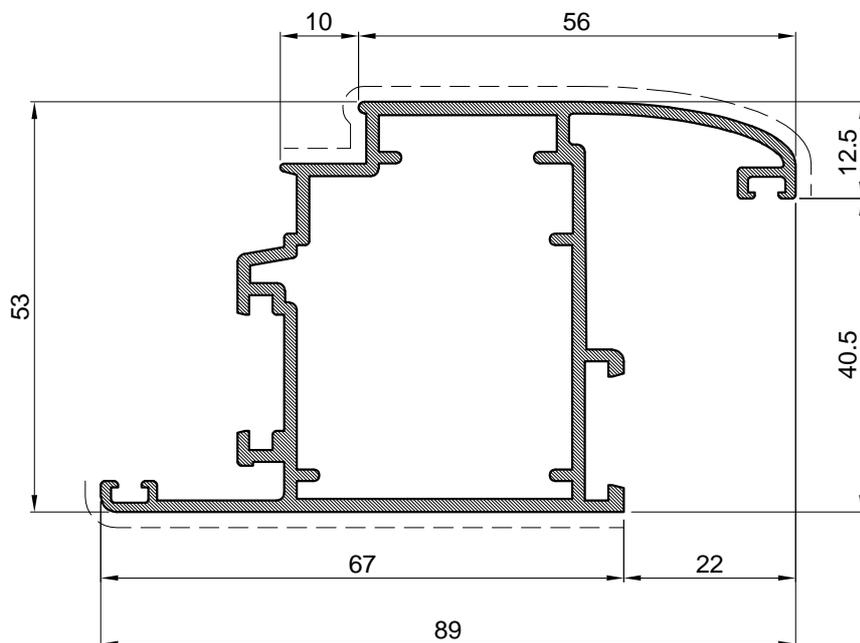
Profil krila Sash profile		
Art.Br. Art.Nr.	M45-737	
Težina Weight	kg/m'	0.817
Opseg Perimeter	mm	365
Moment inercije Moments of inertia	Ix (cm ⁴)	10.92
	Iy (cm ⁴)	7.19
	Wx (cm ³)	3.94
	Wy (cm ³)	2.09
L	mm	6500



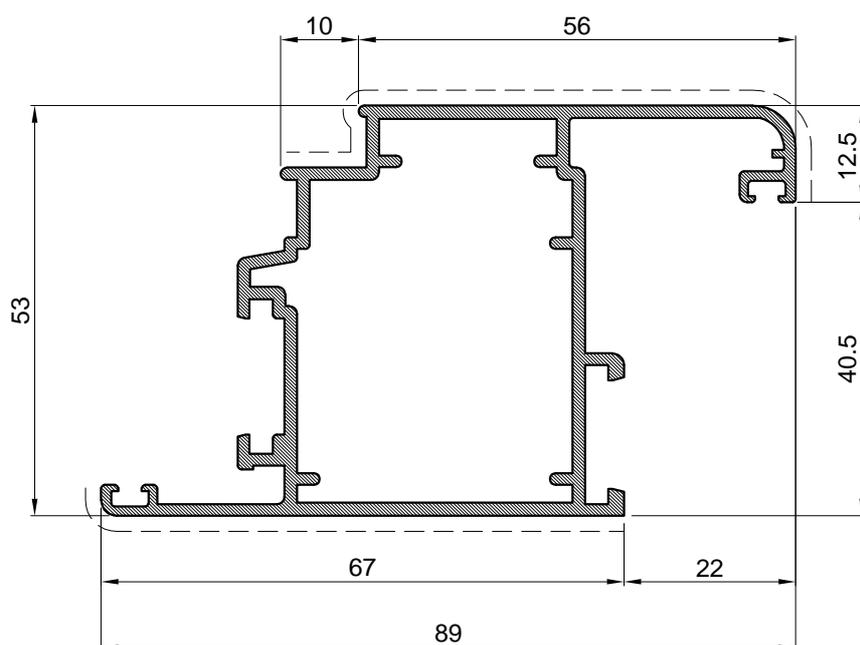
Profil krila Sash profile		
Art.Br. Art.Nr.	M45-731	
Težina Weight	kg/m'	1.005
Opseg Perimeter	mm	360
Moment inercije Moments of inertia	I _x (cm ⁴)	13.33
	I _y (cm ⁴)	8.46
	W _x (cm ³)	4.82
	W _y (cm ³)	2.46
L	mm	6500



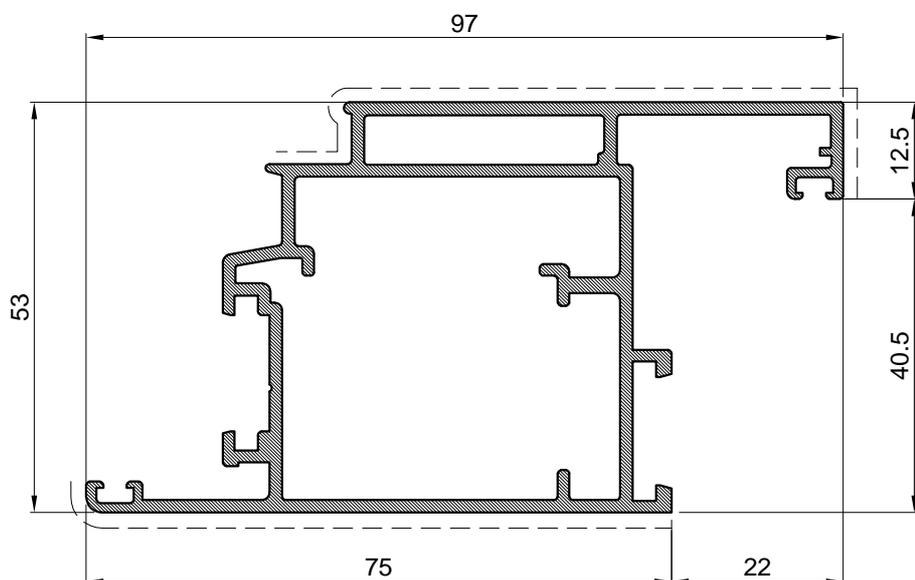
Profil krila Sash profile		
Art.Br. Art.Nr.	M45-734	
Težina Weight	kg/m'	0.871
Opseg Perimeter	mm	373
Moment inercije Moments of inertia	I _x (cm ⁴)	11.99
	I _y (cm ⁴)	8.07
	W _x (cm ³)	4.36
	W _y (cm ³)	2.32
L	mm	6500



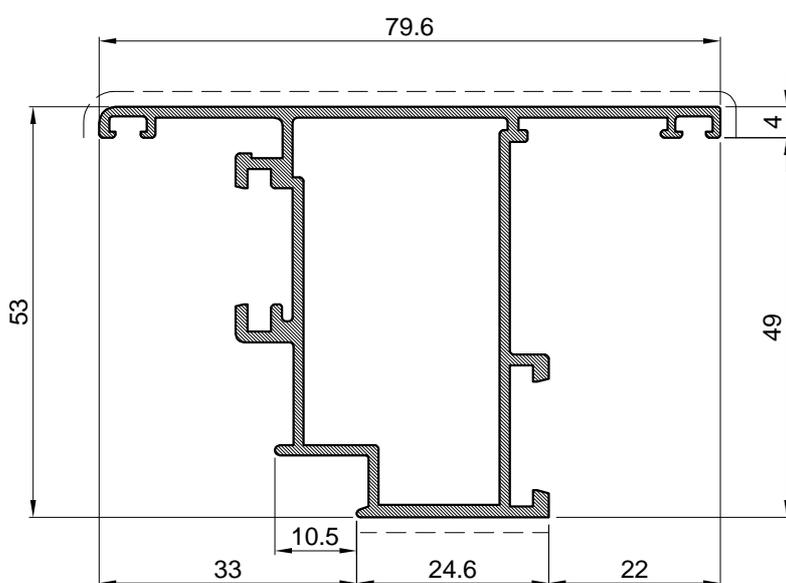
Profil krila Sash profile		
Art.Br. Art.Nr.	M45-730	
Težina Weight	kg/m'	1.290
Opseg Perimeter	mm	394
Moment inercije Moments of inertia	I _x (cm ⁴)	19.12
	I _y (cm ⁴)	22.86
	W _x (cm ³)	7.03
	W _y (cm ³)	5.13
L	mm	6500



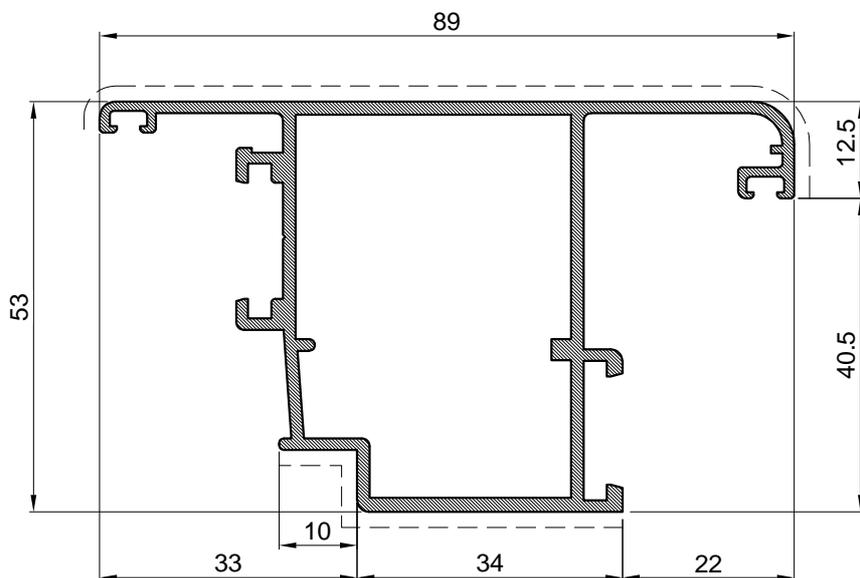
Profil krila Sash profile		
Art.Br. Art.Nr.	M45-701	
Težina Weight	kg/m'	1.305
Opseg Perimeter	mm	403
Moment inercije Moments of inertia	I _x (cm ⁴)	19.75
	I _y (cm ⁴)	24.01
	W _x (cm ³)	7.38
	W _y (cm ³)	5.35
L	mm	6500



Profil krila Sash profile		
Art.Br. Art.Nr.	M45-760	
Težina Weight	kg/m'	1.559
Opseg Perimeter	mm	422
Moment inercije Moments of inertia	I _x (cm ⁴)	22.63
	I _y (cm ⁴)	34.05
	W _x (cm ³)	8.1
	W _y (cm ³)	6.84
L	mm	6500

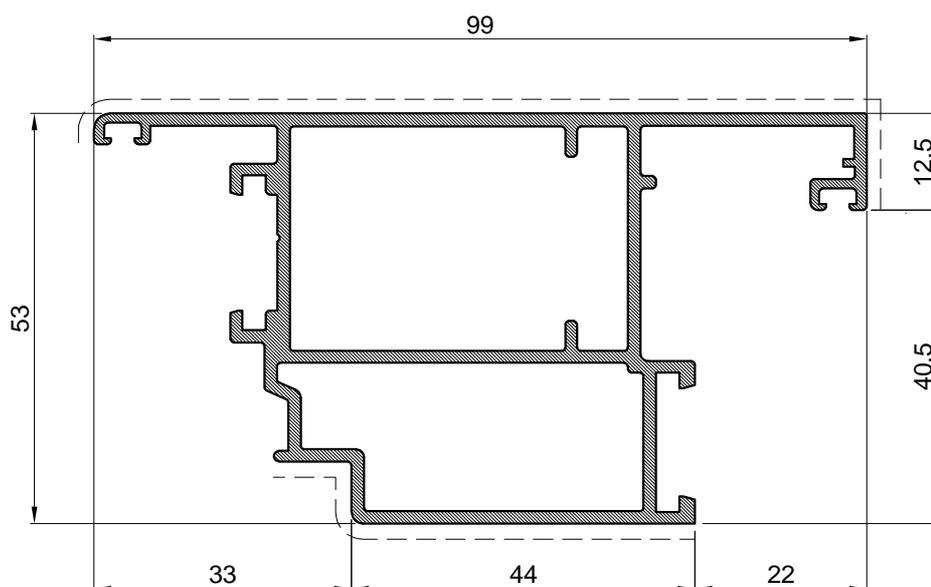


Profil krila-otvaranje vani Sash profile-outward opening		
Art.Br. Art.Nr.	M45-736	
Težina Weight	kg/m'	0.993
Opseg Perimeter	mm	369
Moment inercije Moments of inertia	I _x (cm ⁴)	13.63
	I _y (cm ⁴)	12.00
	W _x (cm ³)	4.21
	W _y (cm ³)	2.91
L	mm	6500



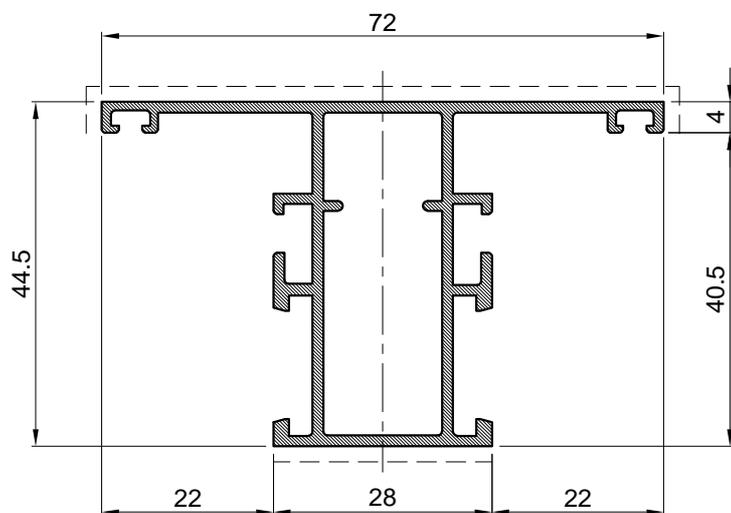
Profil krila-otvaranje vani
Sash profile-outward opening

Art.Br. Art.Nr.	M45-707	
Težina Weight	kg/m'	1.261
Opseg Perimeter	mm	396
Moment inercije Moments of inertia	Ix (cm ⁴)	17.49
	Iy (cm ⁴)	23.12
	Wx (cm ³)	5.48
	Wy (cm ³)	5.11
L	mm	6500

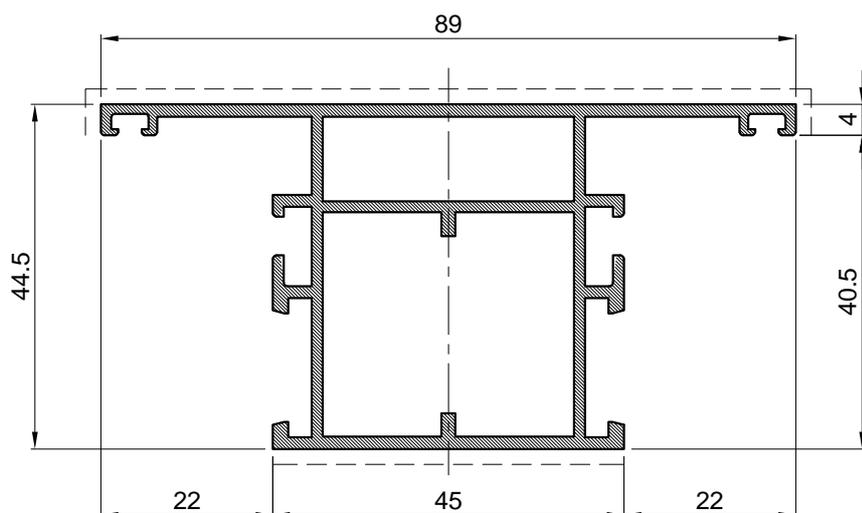


Profil krila-otvaranje vani
Leaf profile-outward opening

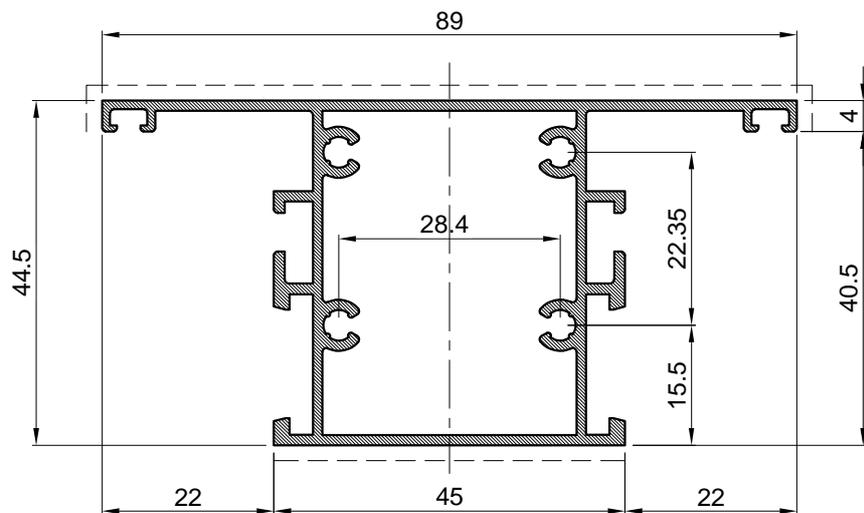
Art.Br. Art.Nr.	M45-761	
Težina Weight	kg/m'	1.562
Opseg Perimeter	mm	427
Moment inercije Moments of inertia	Ix (cm ⁴)	20.56
	Iy (cm ⁴)	36.01
	Wx (cm ³)	6.61
	Wy (cm ³)	7.2
L	mm	6500



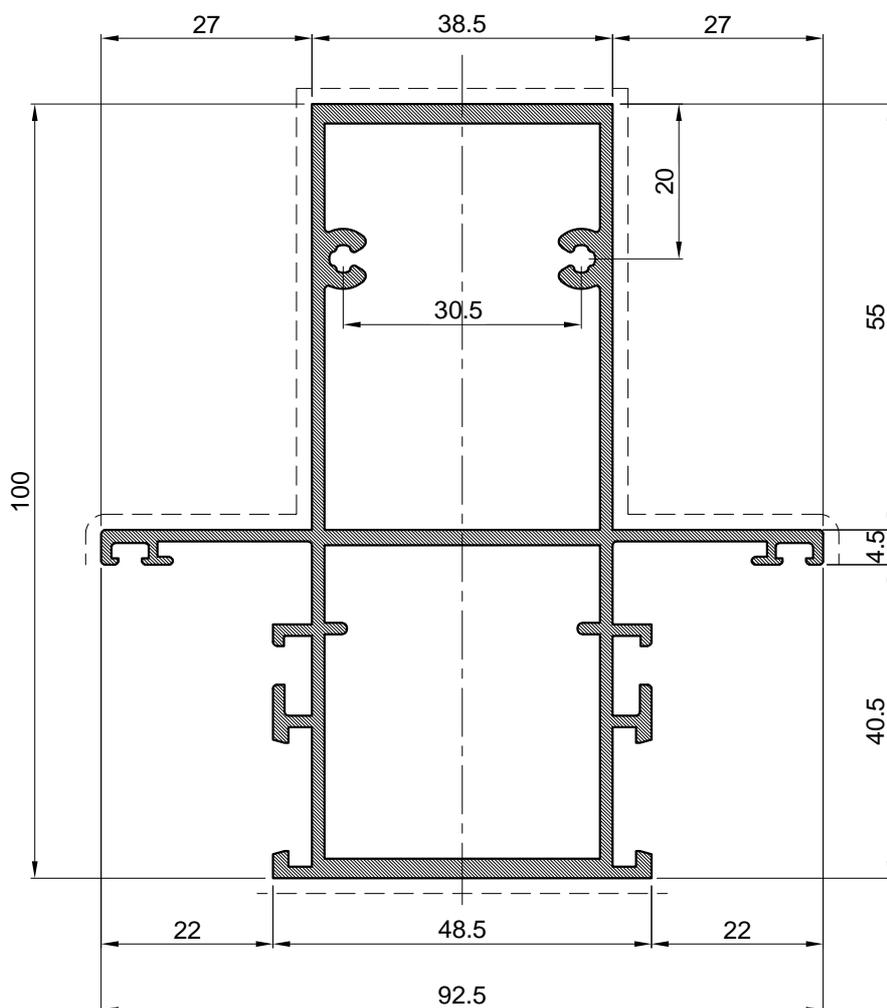
Profil prečke Crossbar profile		
Art.Br. Art.Nr.	M45-725	
Težina Weight	kg/m'	0.899
Opseg Perimeter	mm	355
Moment inercije Moments of inertia	I _x (cm ⁴)	8.43
	I _y (cm ⁴)	7.65
	W _x (cm ³)	3.12
	W _y (cm ³)	2.12
L	mm	6500



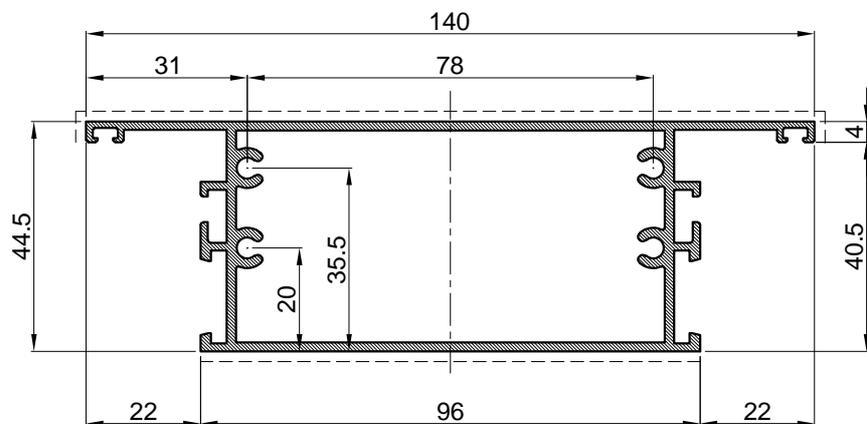
Profil prečke Crossbar profile		
Art.Br. Art.Nr.	M45-703	
Težina Weight	kg/m'	1.223
Opseg Perimeter	mm	387
Moment inercije Moments of inertia	I _x (cm ⁴)	11.99
	I _y (cm ⁴)	18.59
	W _x (cm ³)	4.48
	W _y (cm ³)	4.18
L	mm	6500



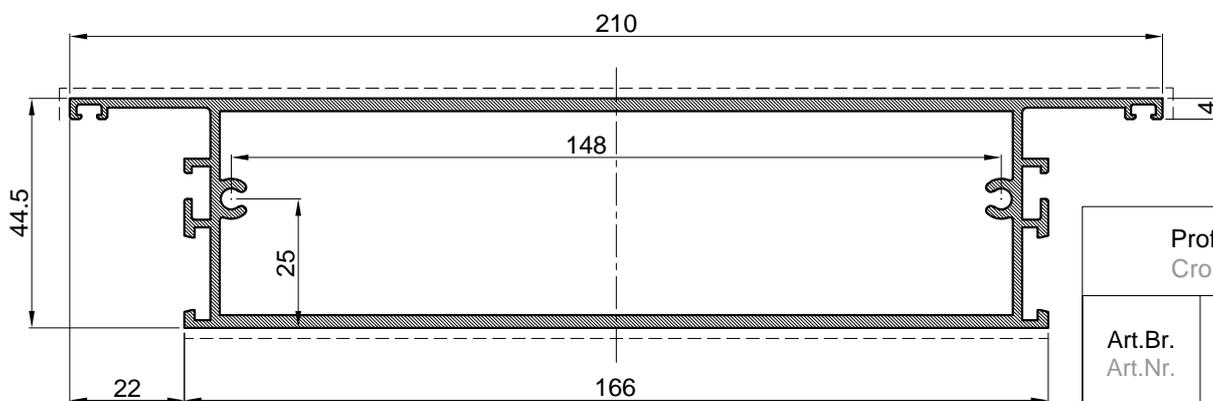
Profil prečke Crossbar profile		
Art.Br. Art.Nr.	M45-726	
Težina Weight	kg/m'	1.090
Opseg Perimeter	mm	390.42
Moment inercije Moments of inertia	I _x (cm ⁴)	10.74
	I _y (cm ⁴)	17.22
	W _x (cm ³)	4.07
	W _y (cm ³)	3.87
L	mm	6500



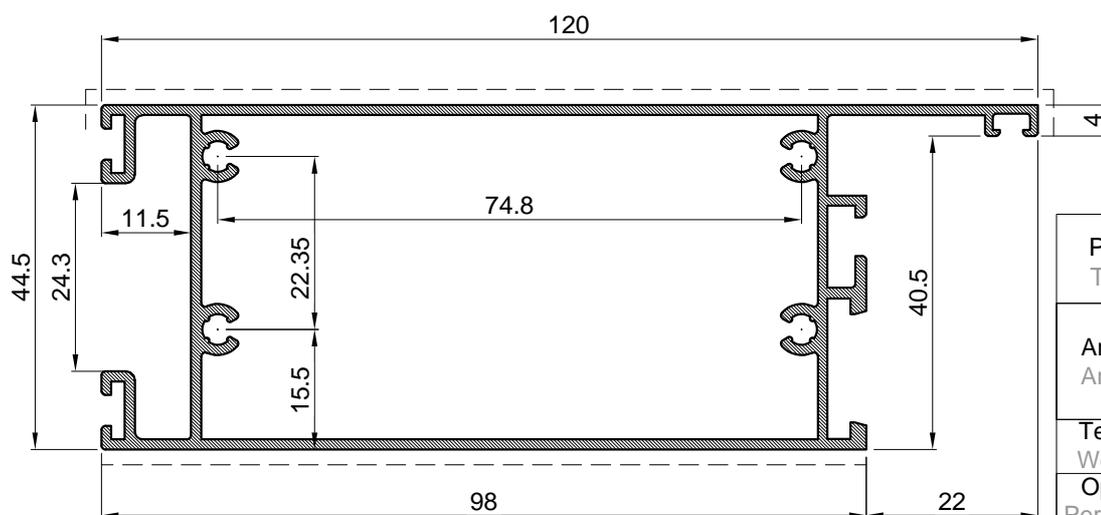
Profil ojačane prečke Reinforcement crossbar profile		
Art.Br. Art.Nr.	M45-721	
Težina Weight	kg/m'	2.176
Opseg Perimeter	mm	514.5
Moment inercije Moments of inertia	I _x (cm ⁴)	82.53
	I _y (cm ⁴)	31.91
	W _x (cm ³)	15.68
	W _y (cm ³)	6.90
L	mm	6500



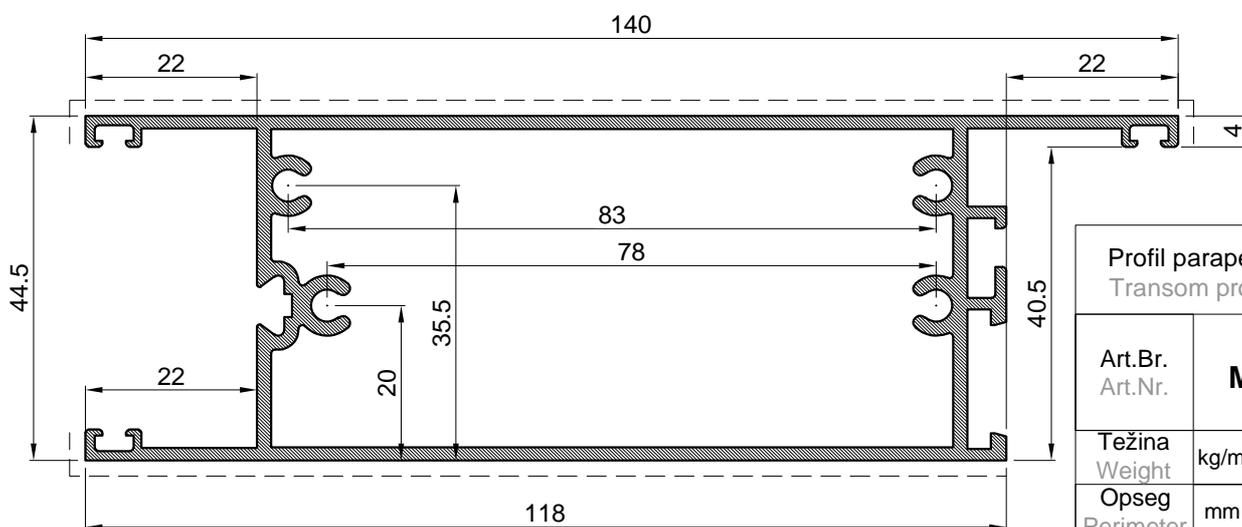
Profil prečke Crossbar profile		
Art.Br. Art.Nr.	M45-723	
Težina Weight	kg/m'	1.869
Opseg Perimeter	mm	489
Moment inercije Moments of inertia	I _x (cm ⁴)	21.11
	I _y (cm ⁴)	105.06
	W _x (cm ³)	8.33
	W _y (cm ³)	15.01
L	mm	6500



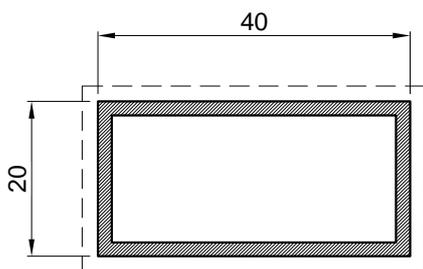
Profil prečke Crossbar profile		
Art.Br. Art.Nr.	M45-724	
Težina Weight	kg/m'	3.084
Opseg Perimeter	mm	628
Moment inercije Moments of inertia	I _x (cm ⁴)	41.87
	I _y (cm ⁴)	403.86
	W _x (cm ³)	17.45
	W _y (cm ³)	38.46
L	mm	6500



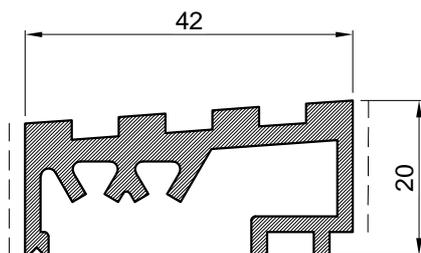
Profil parapetne prečke Transom profile		
Art.Br. Art.Nr.	M45-727	
Težina Weight	kg/m'	1.407
Opseg Perimeter	mm	471
Moment inercije Moments of inertia	I _x (cm ⁴)	16.97
	I _y (cm ⁴)	72.79
	W _x (cm ³)	7.04
	W _y (cm ³)	10.86
L	mm	6500



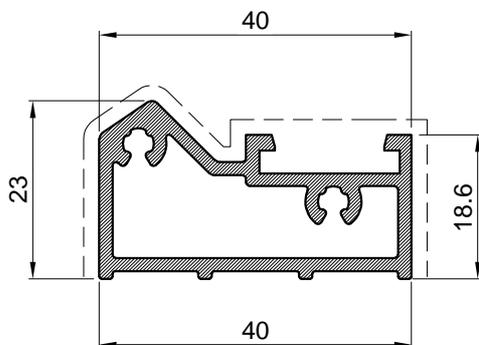
Profil parapetne prečke Transom profile		
Art.Br. Art.Nr.	M45-722	
Težina Weight	kg/m'	1.950
Opseg Perimeter	mm	512
Moment inercije Moments of inertia	I _x (cm ⁴)	23.19
	I _y (cm ⁴)	119.91
	W _x (cm ³)	9.67
	W _y (cm ³)	16.37
L	mm	6500



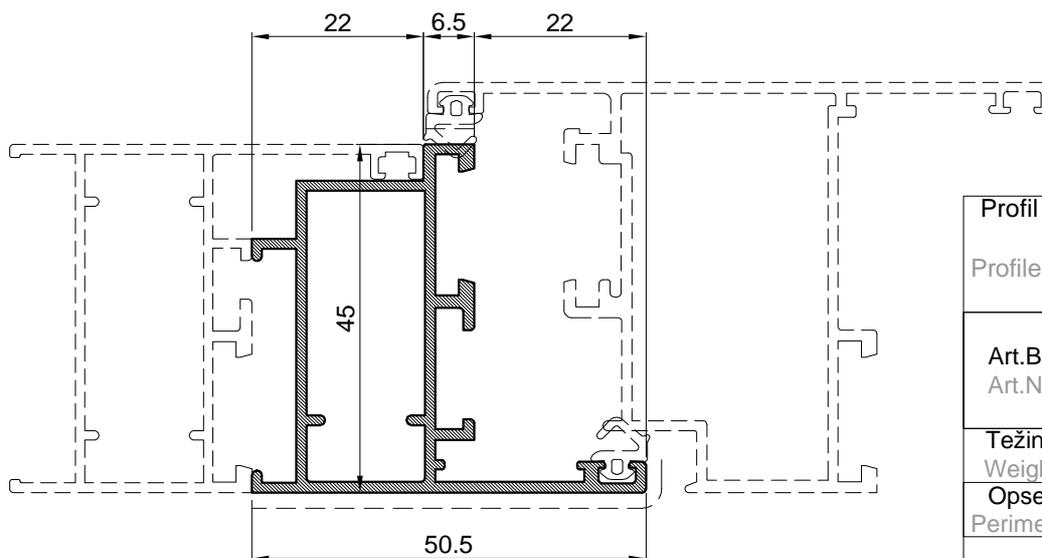
Profil Profiles		
Art.Br. Art.Nr.	F-0181	
Težina Weight	kg/m'	0.548
Opseg Perimeter	mm	120
L	mm	6500



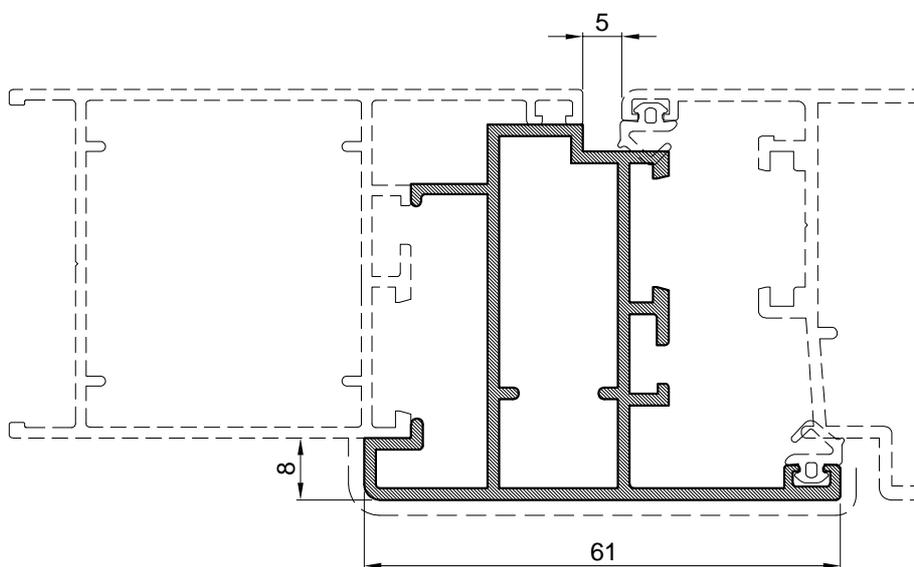
Profil praga Threshold profile		
Art.Br. Art.Nr.	060353	
Težina Weight	kg/m'	0.830
Opseg Perimeter	mm	225
L	mm	6500



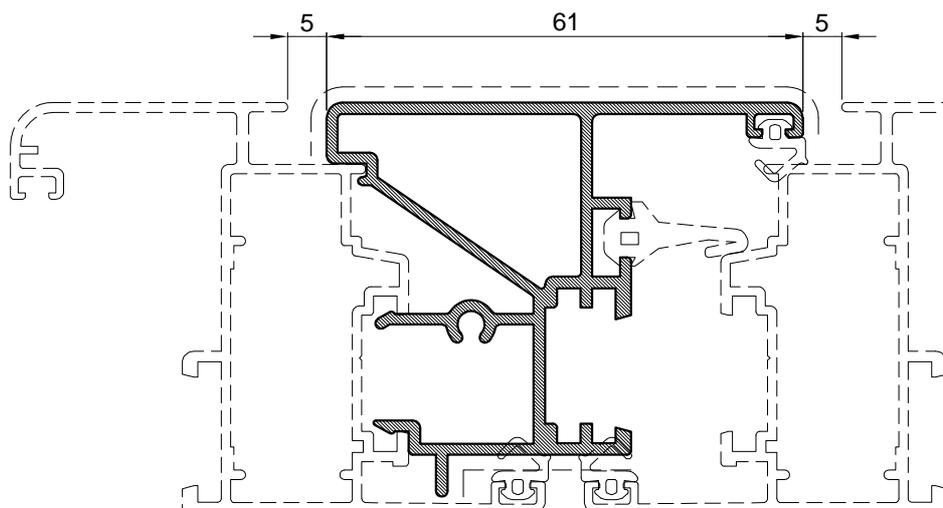
Profil praga Threshold profile		
Art.Br. Art.Nr.	M45-759	
Težina Weight	kg/m'	0.672
Opseg Perimeter	mm	146.5
L	mm	6500



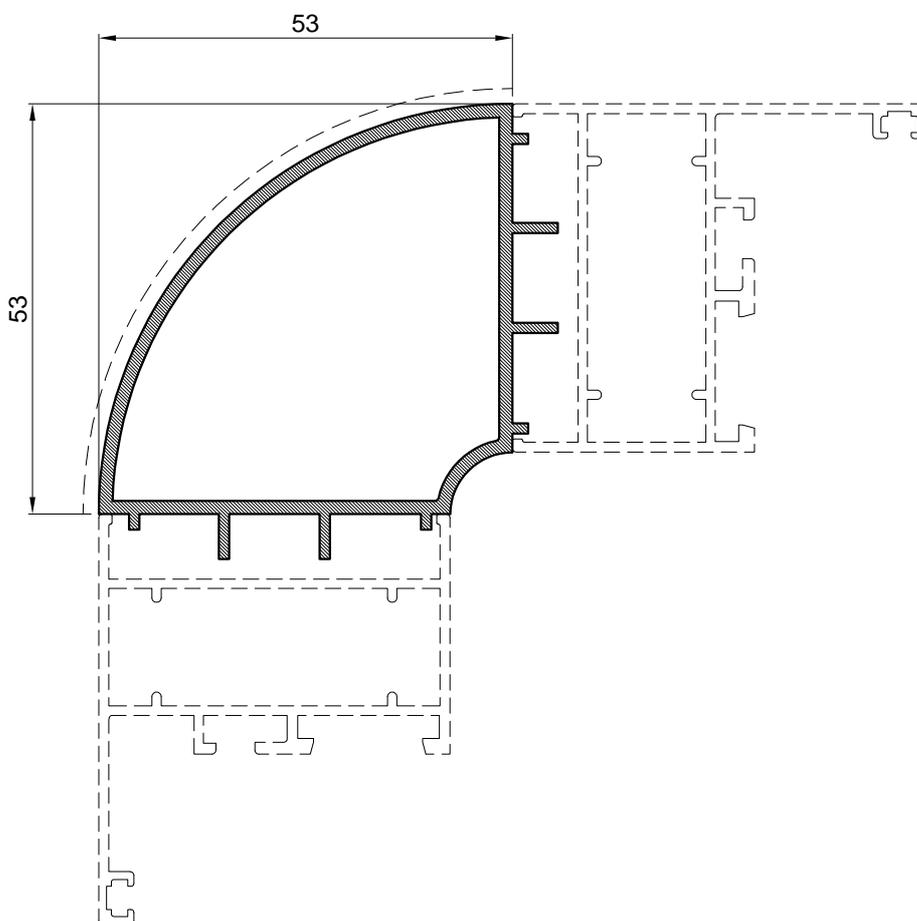
Profil za promjenu smjera okretanja Profile for opening direction change		
Art.Br. Art.Nr.	M45-757	
Težina Weight	kg/m'	0.705
Opseg Perimeter	mm	270
Moment inercije Moments of inertia	I _x (cm ⁴)	6.18
	I _y (cm ⁴)	3.96
	W _x (cm ³)	2.24
	W _y (cm ³)	1.30
L	mm	6500



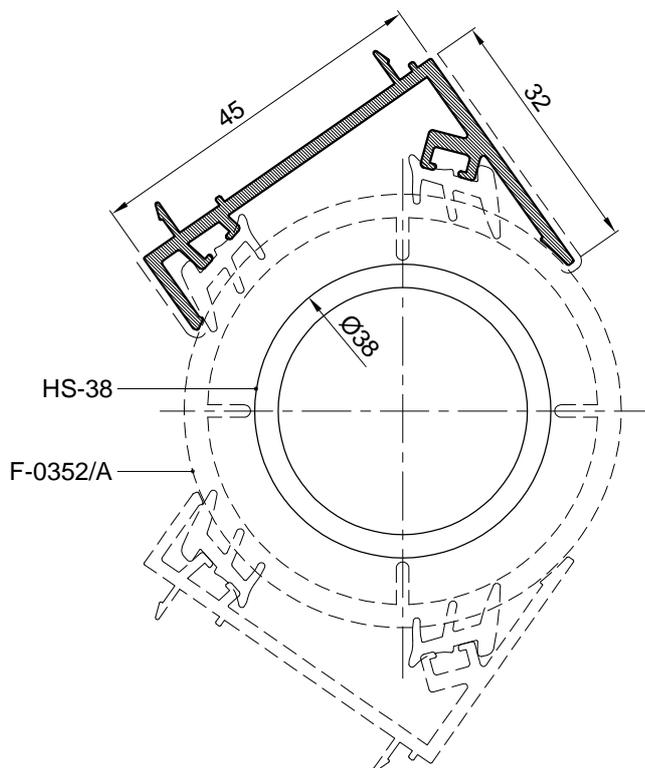
Profil za promjenu smjera okretanja Profile for opening direction change		
Art.Br. Art.Nr.	M45-710	
Težina Weight	kg/m'	0.933
Opseg Perimeter	mm	330
Moment inercije Moments of inertia	I _x (cm ⁴)	9.88
	I _y (cm ⁴)	6.98
	W _x (cm ³)	3.34
	W _y (cm ³)	2.03
L	mm	6500



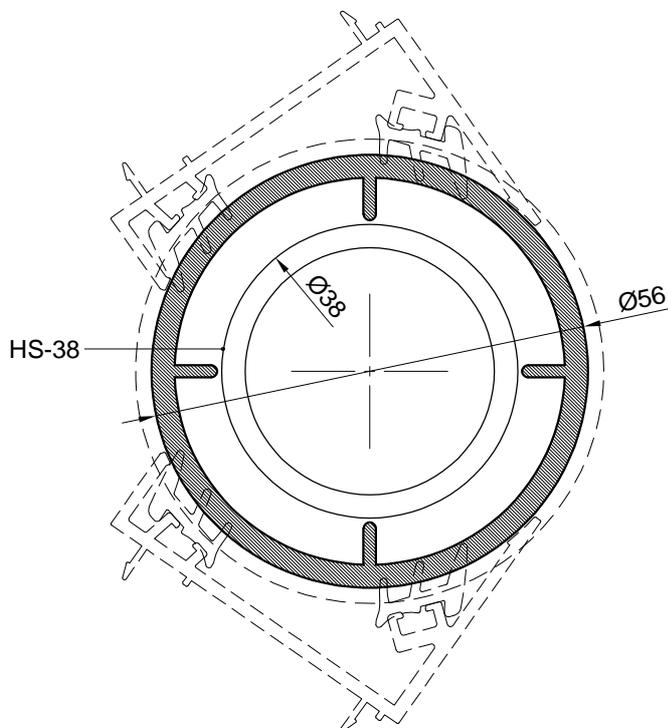
Profil kombatute Flying mullion		
Art.Br. Art.Nr.	M45-708	
Težina Weight	kg/m'	0.977
Opseg Perimeter	mm	395
Moment inercije Moments of inertia	I _x (cm ⁴)	9.58
	I _y (cm ⁴)	6.94
	W _x (cm ³)	3.11
	W _y (cm ³)	1.98
L	mm	6500



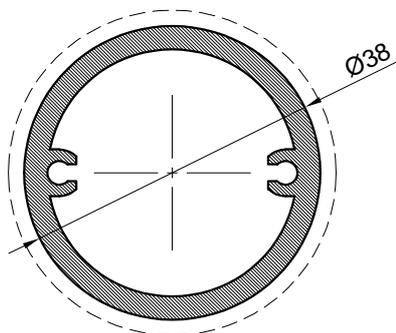
Profil za spoj pod kutem Profile for angle joint		
Art.Br. Art.Nr.	M45-754	
Težina Weight	kg/m'	0.932
Opseg Perimeter	mm	248
Moment inercije Moments of inertia	I _x (cm ⁴)	12.28
	I _y (cm ⁴)	12.28
	W _x (cm ³)	3.94
	W _y (cm ³)	3.94
L	mm	6500



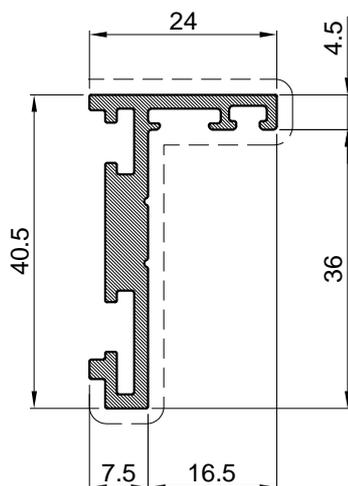
Profil Profiles		
Art.Br. Art.Nr.	M45-752	
Težina Weight	kg/m'	0.491
Opseg Perimeter	mm	230
L	mm	6500



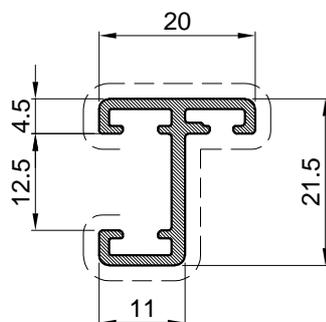
Vezni profil Connection profile		
Art.Br. Art.Nr.	F-0352/A	
Težina Weight	kg/m'	1.441
Opseg Perimeter	mm	119
L	mm	6500



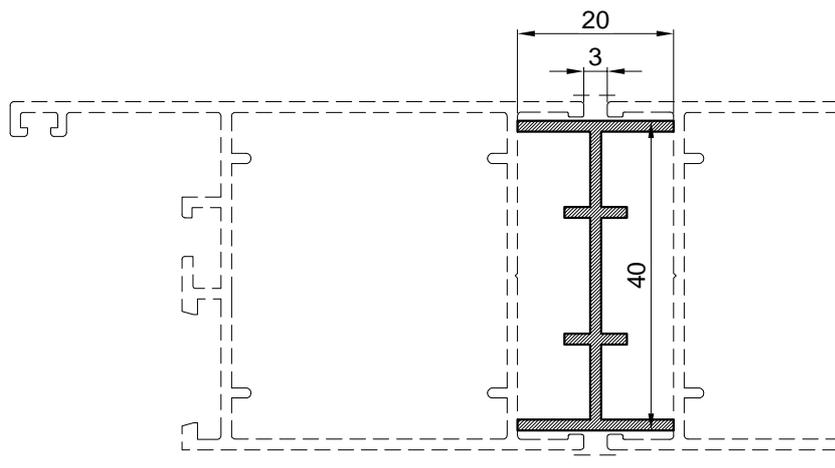
Profil rukohvata vrata Door handle profile		
Art.Br. Art.Nr.	F-0829	
Težina Weight	kg/m'	0.953
Opseg Perimeter	mm	119
L	mm	6500



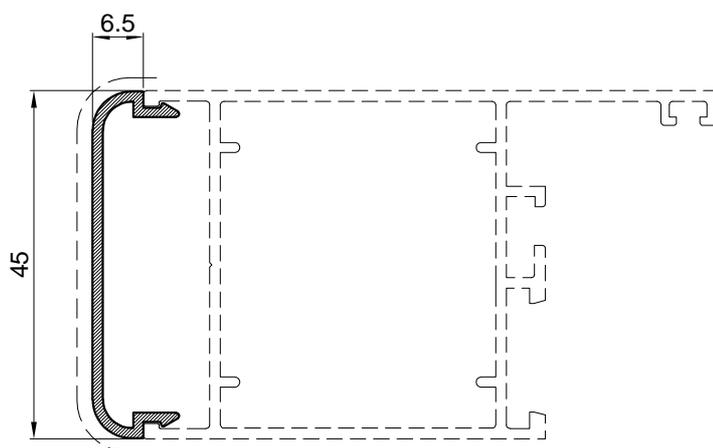
Profil rama staklenog krila Frame profile glass leaf		
Art.Br. Art.Nr.	F-1686	
Težina Weight	kg/m'	0.551
Opseg Perimeter	mm	226.3
Moment inercije Moments of inertia	I _x (cm ⁴)	3.27
	I _y (cm ⁴)	0.57
	W _x (cm ³)	1.36
	W _y (cm ³)	0.34
L	mm	6500



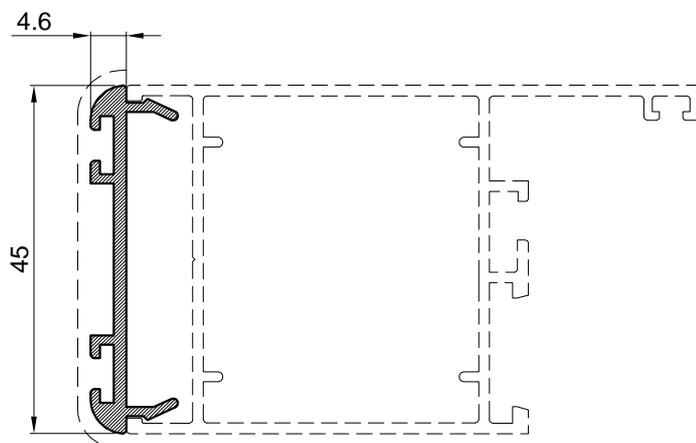
Profil za stakleno krilo Profile for glass leaf		
Art.Br. Art.Nr.	F-1691	
Težina Weight	kg/m'	0.259
Opseg Perimeter	mm	137.85
L	mm	6500



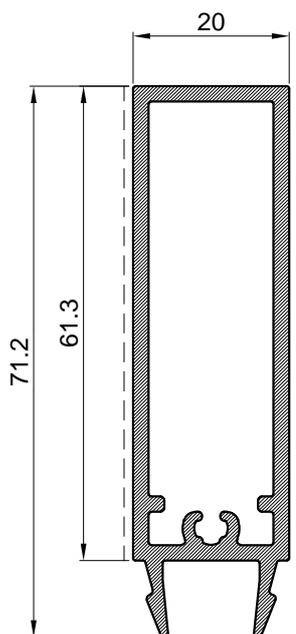
Vezni profil Connection profile		
Art.Br. Art.Nr.	P45-643	
Težina Weight	kg/m'	0.342
Opseg Perimeter	mm	184
L	mm	6500



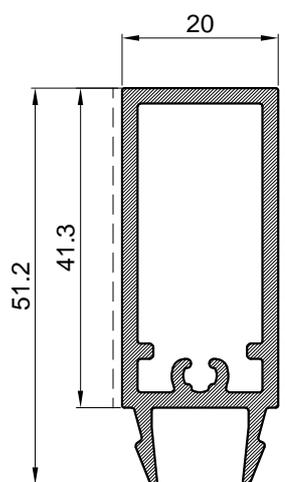
Profil Profiles		
Art.Br. Art.Nr.	M45-756	
Težina Weight	kg/m'	0.225
Opseg Perimeter	mm	132
L	mm	6500



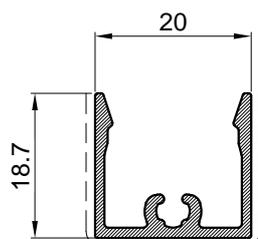
Nosáč četkice Support brush		
Art.Br. Art.Nr.	P45-644	
Težina Weight	kg/m'	0.323
Opseg Perimeter	mm	153
L	mm	6500



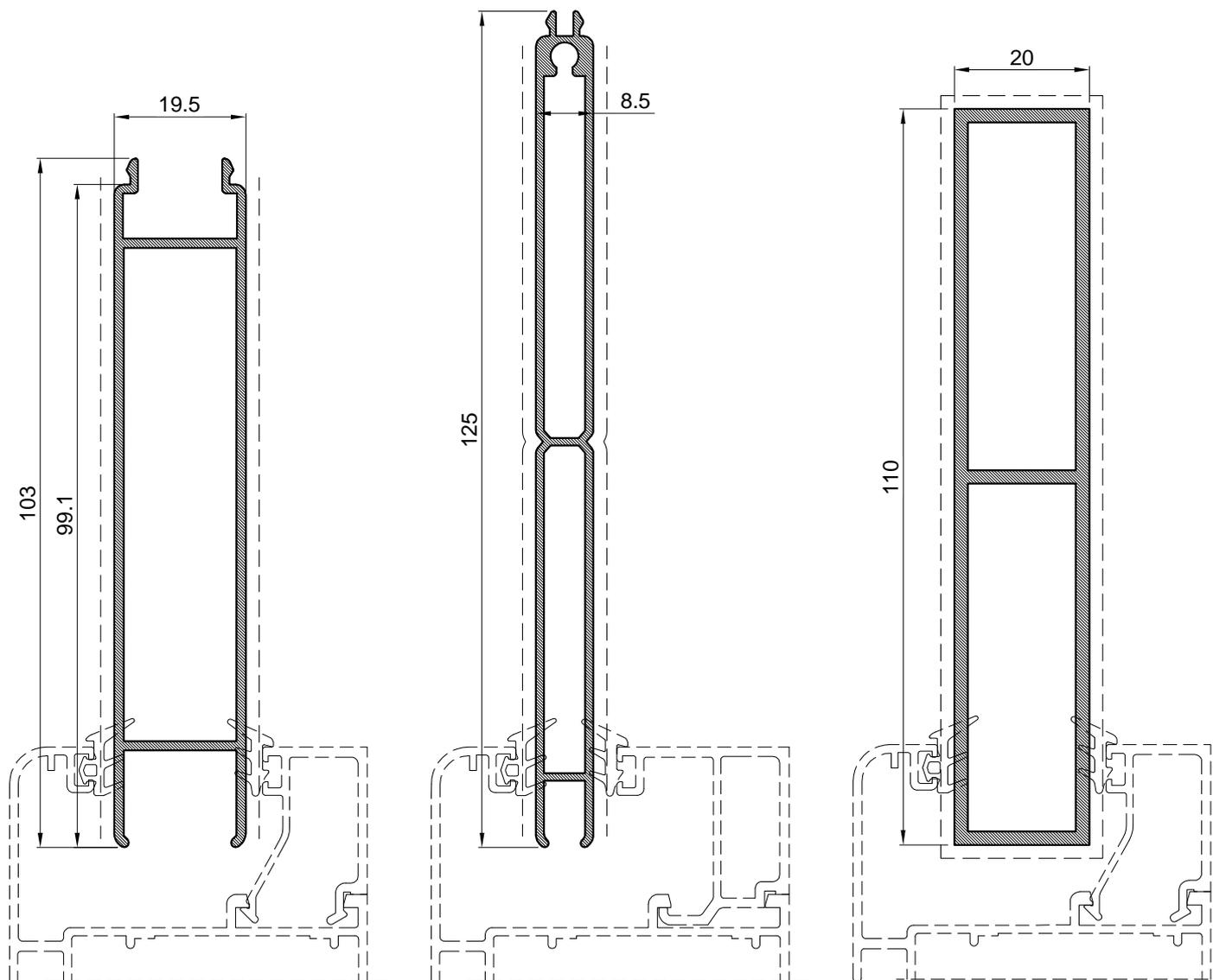
Profil ojačanja prečke Reinforcement crossbar profile		
Art.Br. Art.Nr.	NP- 4183	
Težina Weight	kg/m'	0.990
Opseg Perimeter	mm	200
Moment inercije Moments of inertia	Ix (cm ⁴)	18.21
	Iy (cm ⁴)	2.34
	Wx (cm ³)	5.11
	Wy (cm ³)	2.34
L	mm	6500



Profil ojačanja prečke Reinforcement crossbar profile		
Art.Br. Art.Nr.	F- 1634	
Težina Weight	kg/m'	0.774
Opseg Perimeter	mm	159.9
Moment inercije Moments of inertia	Ix (cm ⁴)	7,06
	Iy (cm ⁴)	1,69
	Wx (cm ³)	2,69
	Wy (cm ³)	1,69
L	mm	6500



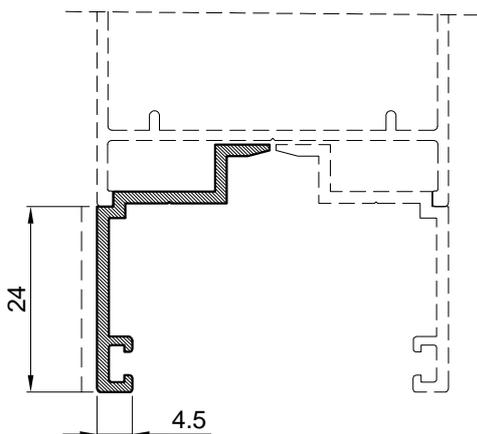
Maska profila ojačanja Reinforcement profile mask		
Art.Br. Art.Nr.	NP-4184	
Težina Weight	kg/m'	0.243
Opseg Perimeter	mm	129
L	mm	6500



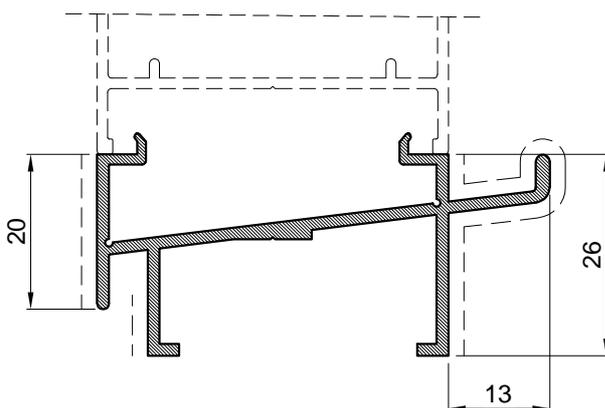
Profil ispunje Infill profile		
Art.Br. Art.Nr.	F-0681	
Težina Weight	kg/m'	0.911
Opseg Perimeter	mm	305
Moment inercije Moments of inertia	Ix (cm4)	32.59
	Iy (cm4)	2.44
	Wx (cm3)	6.28
	Wy (cm3)	2.50
L	mm	6500

Profil ispunje Infill profile		
Art.Br. Art.Nr.	F-0714	
Težina Weight	kg/m'	0.895
Opseg Perimeter	mm	294
Moment inercije Moments of inertia	Ix (cm4)	46.51
	Iy (cm4)	0.40
	Wx (cm3)	7.22
	Wy (cm3)	0.95
L	mm	6500

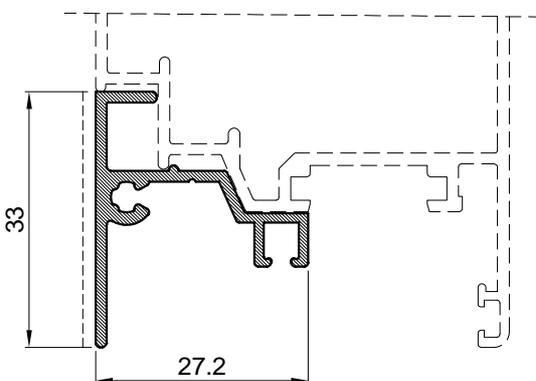
Profil ispunje Infill profile		
Art.Br. Art.Nr.	F-0062	
Težina Weight	kg/m'	1,45
Opseg Perimeter	mm	260
Moment inercije Moments of inertia	Ix (cm4)	63.03
	Iy (cm4)	3.78
	Wx (cm3)	11.46
	Wy (cm3)	3.78
L	mm	6500



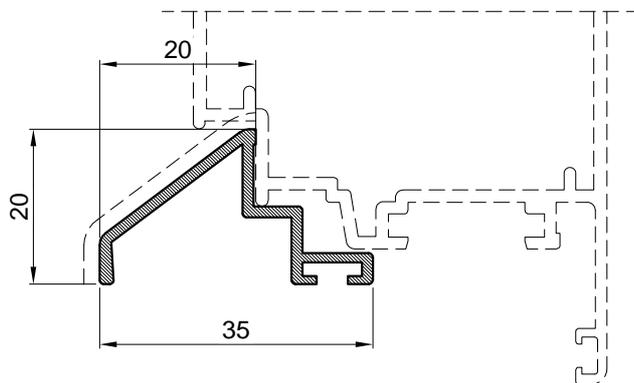
Profil Profiles		
Art.Br. Art.Nr.	M45-751	
Težina Weight	kg/m'	0.234
Opseg Perimeter	mm	122
L	mm	6500



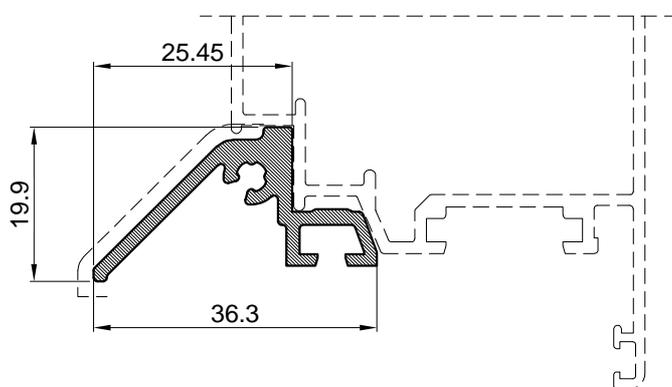
Profil Profiles		
Art.Br. Art.Nr.	D45-052	
Težina Weight	kg/m'	0.567
Opseg Perimeter	mm	283
L	mm	6500



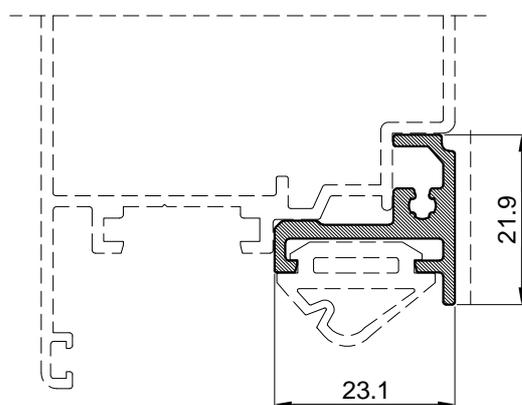
Profil Profiles		
Art.Br. Art.Nr.	F-1675	
Težina Weight	kg/m'	0.337
Opseg Perimeter	mm	175.63
L	mm	6500



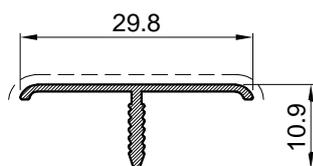
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	P45-648	
Težina Weight	kg/m'	0.257
Opseg Perimeter	mm	140
L	mm	6500



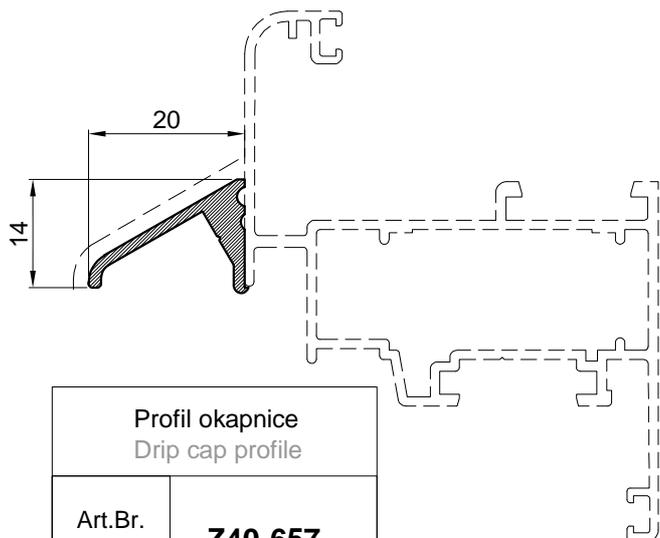
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	F-1567	
Težina Weight	kg/m'	0.397
Opseg Perimeter	mm	145.5
L	mm	6500



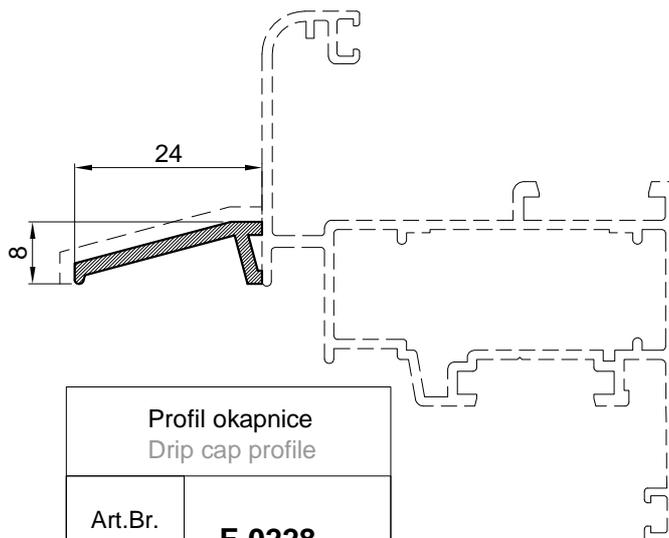
Profil Profiles		
Art.Br. Art.Nr.	F-1483	
Težina Weight	kg/m'	0.314
Opseg Perimeter	mm	127
L	mm	6500



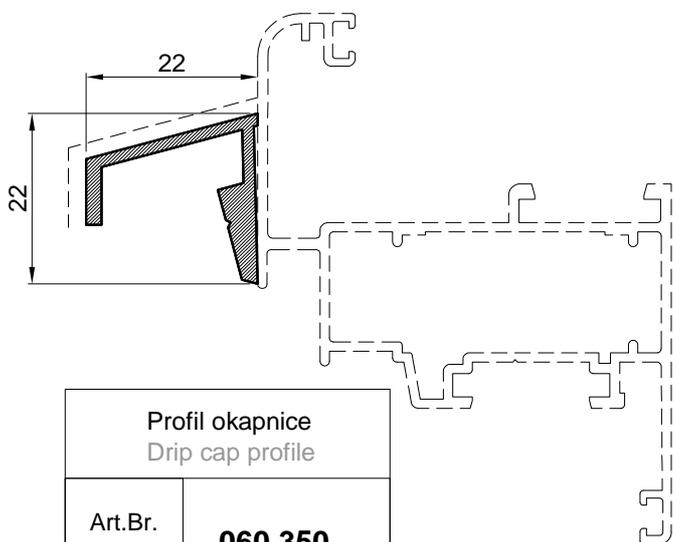
Profil Profiles		
Art.Br. Art.Nr.	PBR-5-30	
Težina Weight	kg/m'	0.119
Opseg Perimeter	mm	85.4
L	mm	6500



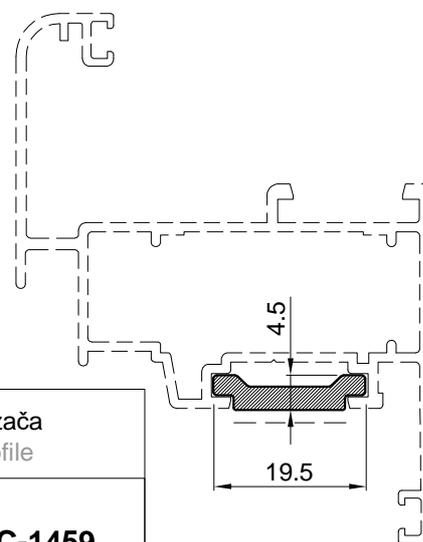
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	Z40-657	
Težina Weight	kg/m'	0.186
Opseg Perimeter	mm	73
L	mm	6500



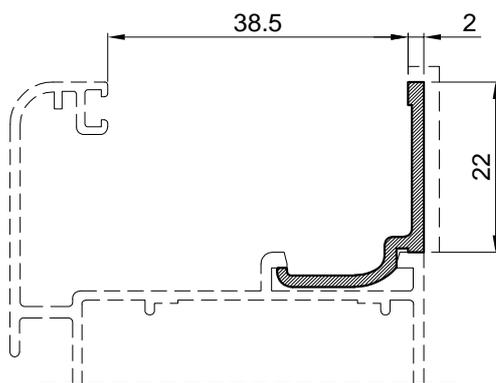
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	F-0228	
Težina Weight	kg/m'	0.153
Opseg Perimeter	mm	68
L	mm	6500



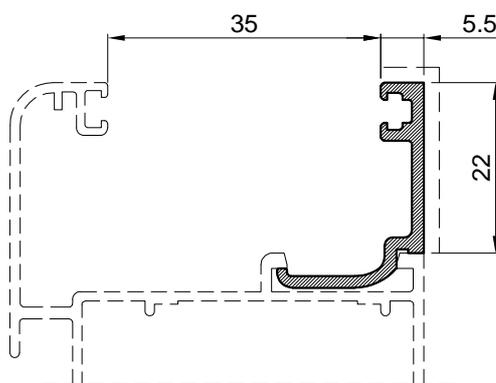
Profil okapnice Drip cap profile		
Art.Br. Art.Nr.	060 350	
Težina Weight	kg/m'	0.275
Opseg Perimeter	mm	107
L	mm	6500



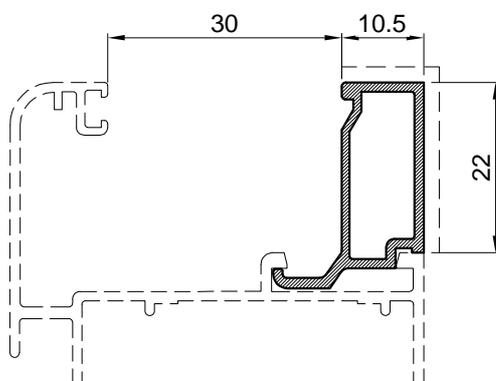
Profil klizača Slide profile		
Art.Br. Art.Nr.	NC-1459	
Težina Weight	kg/m'	0.161
Opseg Perimeter	mm	48
L	mm	6500



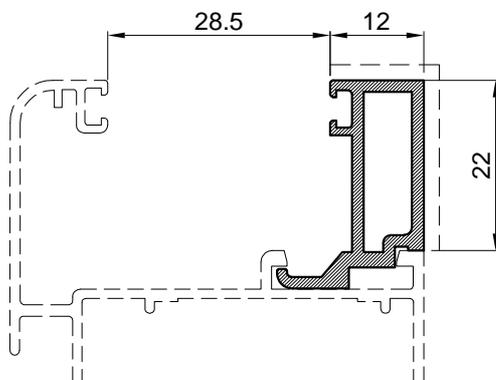
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-660	
Težina Weight	kg/m'	0.179
Opseg Perimeter	mm	89
L	mm	6500



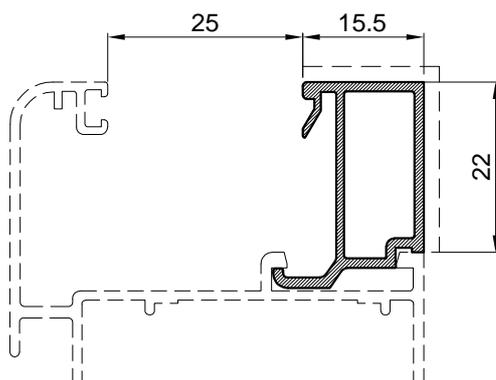
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-656	
Težina Weight	kg/m'	0.215
Opseg Perimeter	mm	107
L	mm	6500



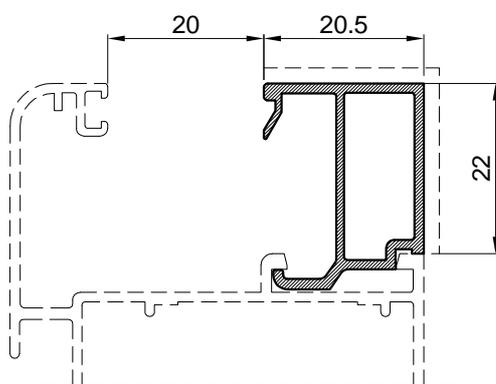
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-664	
Težina Weight	kg/m'	0.243
Opseg Perimeter	mm	93
L	mm	6500



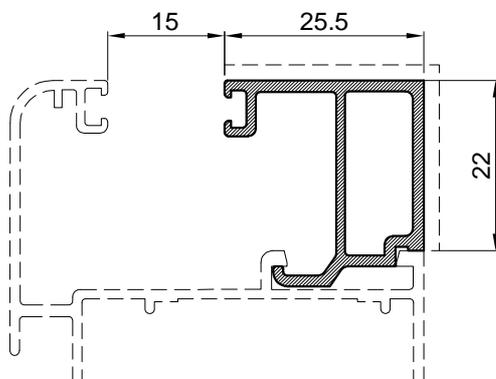
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	F-0784	
Težina Weight	kg/m'	0.330
Opseg Perimeter	mm	105
L	mm	6500



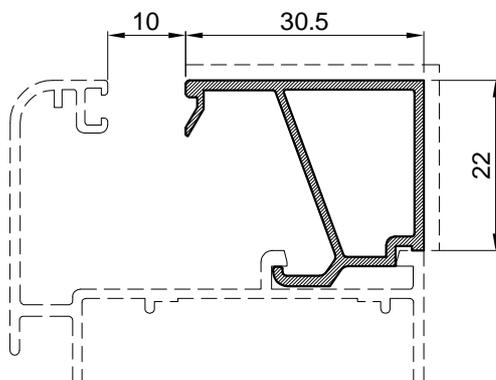
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-665	
Težina Weight	kg/m'	0.272
Opseg Perimeter	mm	112
L	mm	6500



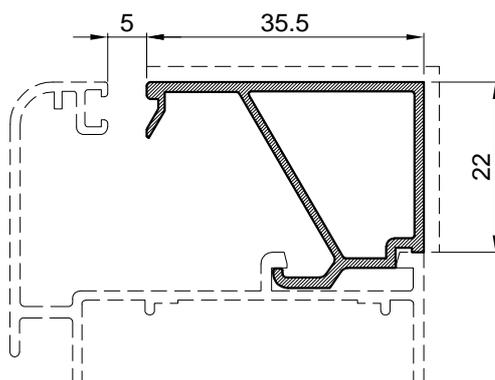
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-666	
Težina Weight	kg/m'	0.289
Opseg Perimeter	mm	122
L	mm	6500



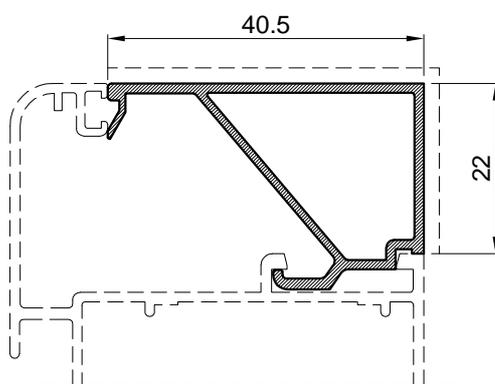
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-667	
Težina Weight	kg/m'	0.358
Opseg Perimeter	mm	139
L	mm	6500



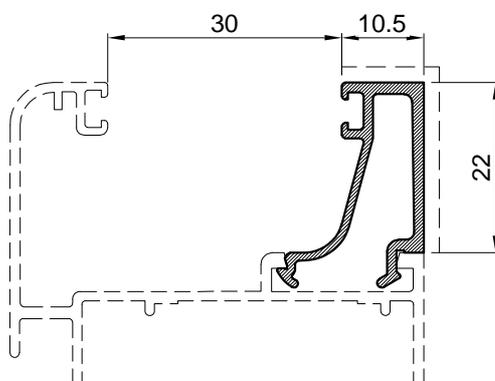
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-668	
Težina Weight	kg/m'	0.326
Opseg Perimeter	mm	135
L	mm	6500



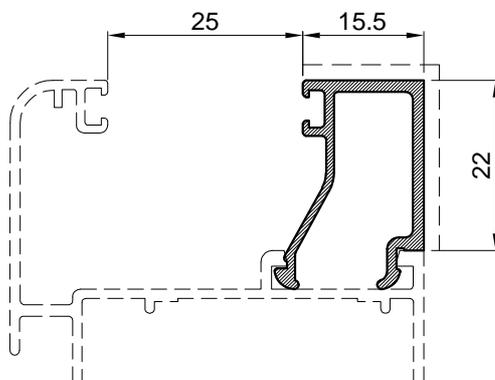
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-669	
Težina Weight	kg/m'	0.347
Opseg Perimeter	mm	143
L	mm	6500



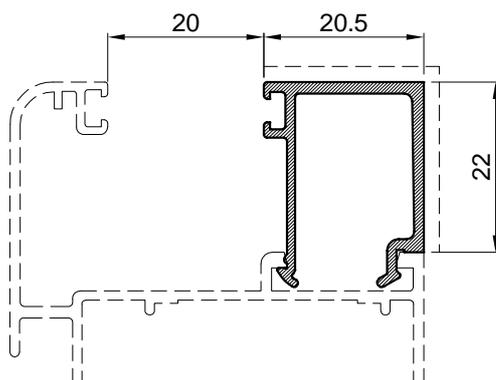
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-670	
Težina Weight	kg/m'	0.373
Opseg Perimeter	mm	150
L	mm	6500



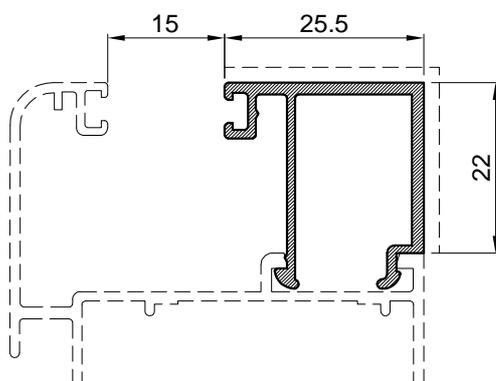
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-636	
Težina Weight	kg/m'	0.261
Opseg Perimeter	mm	151
L	mm	6500



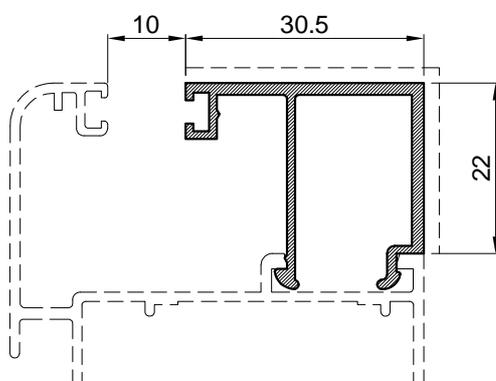
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	M45-709	
Težina Weight	kg/m'	0.270
Opseg Perimeter	mm	156
L	mm	6500



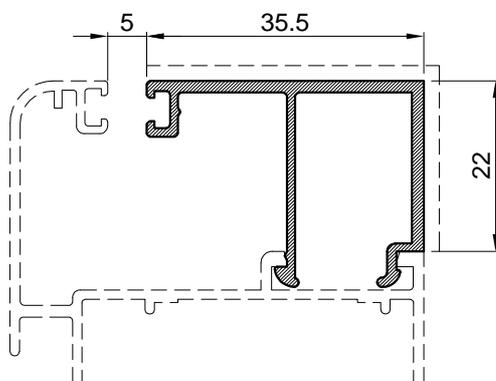
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-644	
Težina Weight	kg/m'	0.275
Opseg Perimeter	mm	162
L	mm	6500



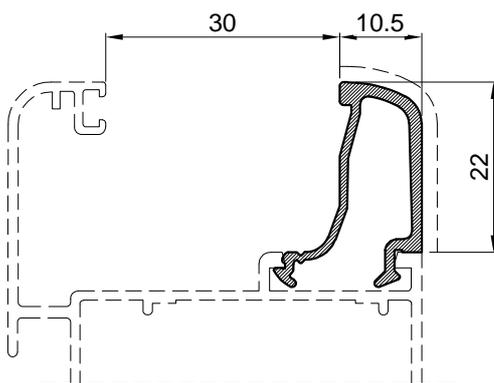
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-658	
Težina Weight	kg/m'	0.318
Opseg Perimeter	mm	184
L	mm	6500



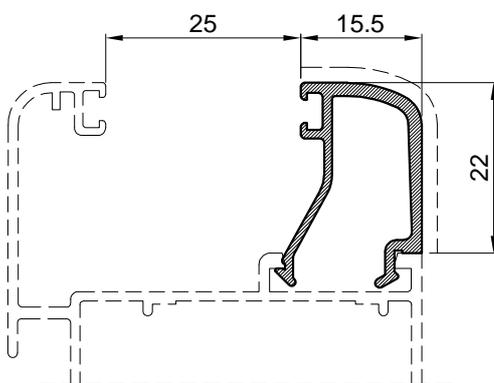
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-653	
Težina Weight	kg/m'	0.348
Opseg Perimeter	mm	196
L	mm	6500



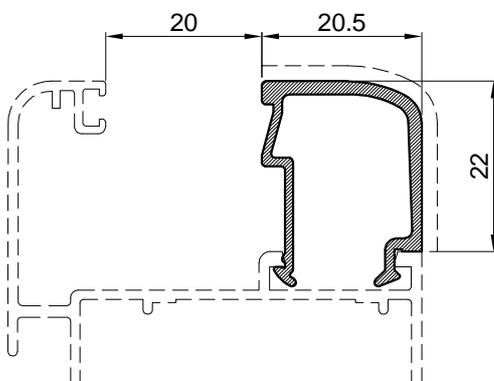
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-659	
Težina Weight	kg/m'	0.359
Opseg Perimeter	mm	204
L	mm	6500



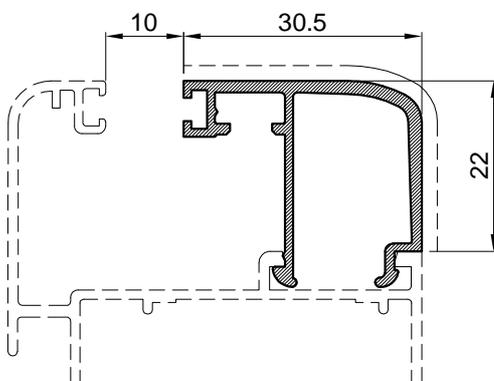
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-647	
Težina Weight	kg/m'	0.226
Opseg Perimeter	mm	138
L	mm	6500



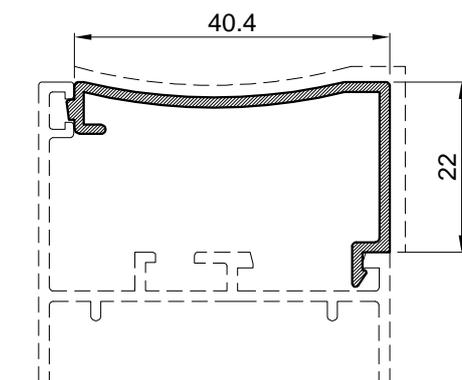
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	M45-740	
Težina Weight	kg/m'	0.258
Opseg Perimeter	mm	148
L	mm	6500



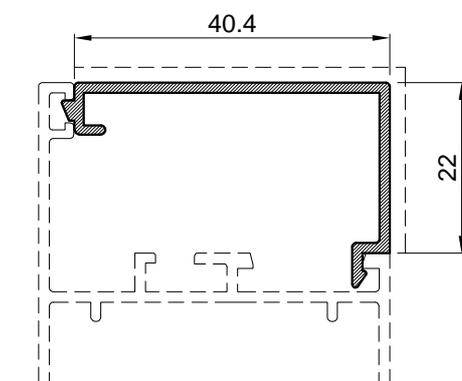
Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-646	
Težina Weight	kg/m'	0.286
Opseg Perimeter	mm	154
L	mm	6500



Staklo lajsna Glazing bead		
Art.Br. Art.Nr.	Z40-653/B	
Težina Weight	kg/m'	0.347
Opseg Perimeter	mm	197
L	mm	6500



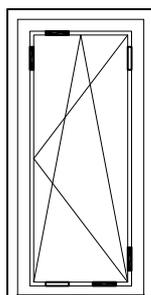
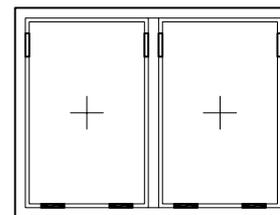
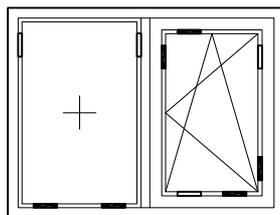
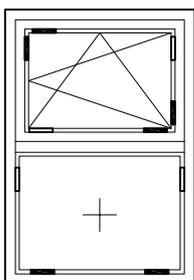
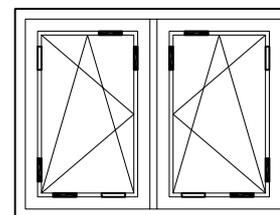
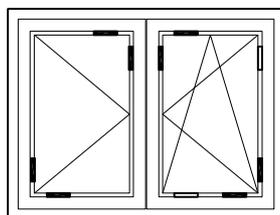
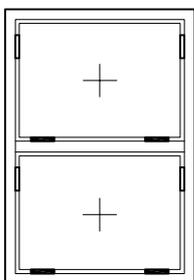
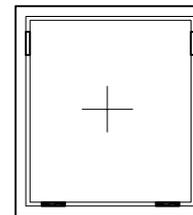
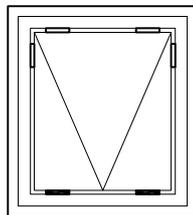
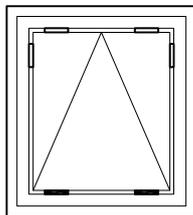
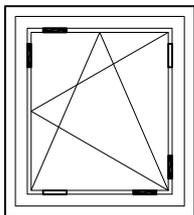
Profil Profile		
Art.Br. Art.Nr.	M45-755	
Težina Weight	kg/m'	0.274
Opseg Perimeter	mm	158
L	mm	6500



Profil Profile		
Art.Br. Art.Nr.	M45-753	
Težina Weight	kg/m'	0.276
Opseg Perimeter	mm	158
L	mm	6500

Prikaz stakljenja Glazing

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



-  nosivi podmetač
support packer
-  odstojni podmetač
distance packer

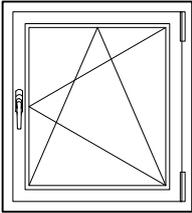
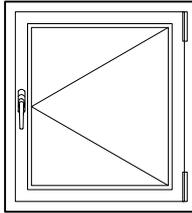
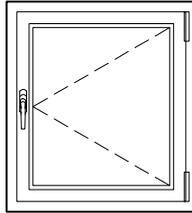
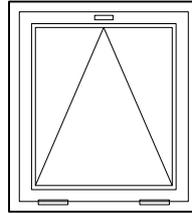
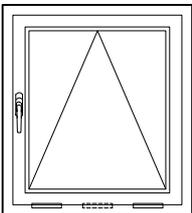
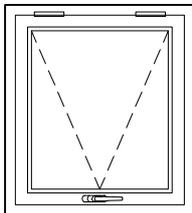
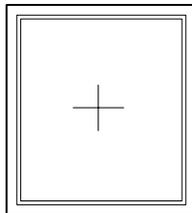
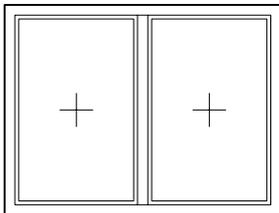
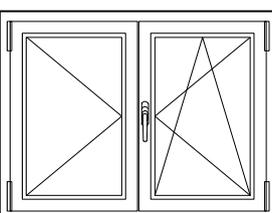
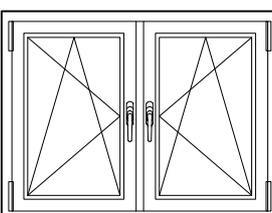
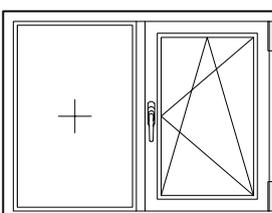
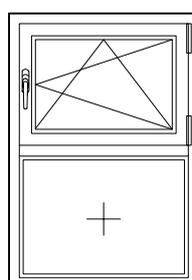
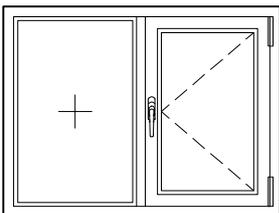
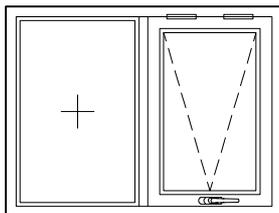
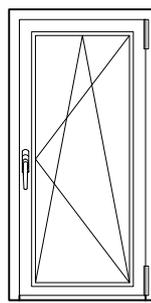
Materijal podmetača: PVC
Material packers: PVC

M 2.5:1						
Vanjske brtve Exterior gasket		Unutarnje brtve Interior gaskets				
328.003	328.002	318.002	318.015	318.016	318.017	
Ispuna X Fillings X	Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket	STAKLO LAJSNE GLAZING BEAD			
5	328.003	318.016	Z40-658 			Z40-667
6-7	328.003	318.015				
8	328.002	318.015				
9-10	328.003	318.016	Z40-644 	Z40-646 		Z40-666
11-12	328.003	318.015				
13	328.002	318.015				
14-15	328.003	318.016	M45-709 	M45-740 		Z40-665
16-17	328.003	318.015				
18	328.002	318.015				
19-20	328.003	318.016	Z40-636 	Z40-647 		Z40-664
21-22	328.003	318.015				
23	328.002	318.015				
24-25	328.003	318.016	Z40-656 			
26-27	328.003	318.015				
28	328.002	318.015				
29-30	328.002	318.016	Z40-660 			
31	328.002	318.015				

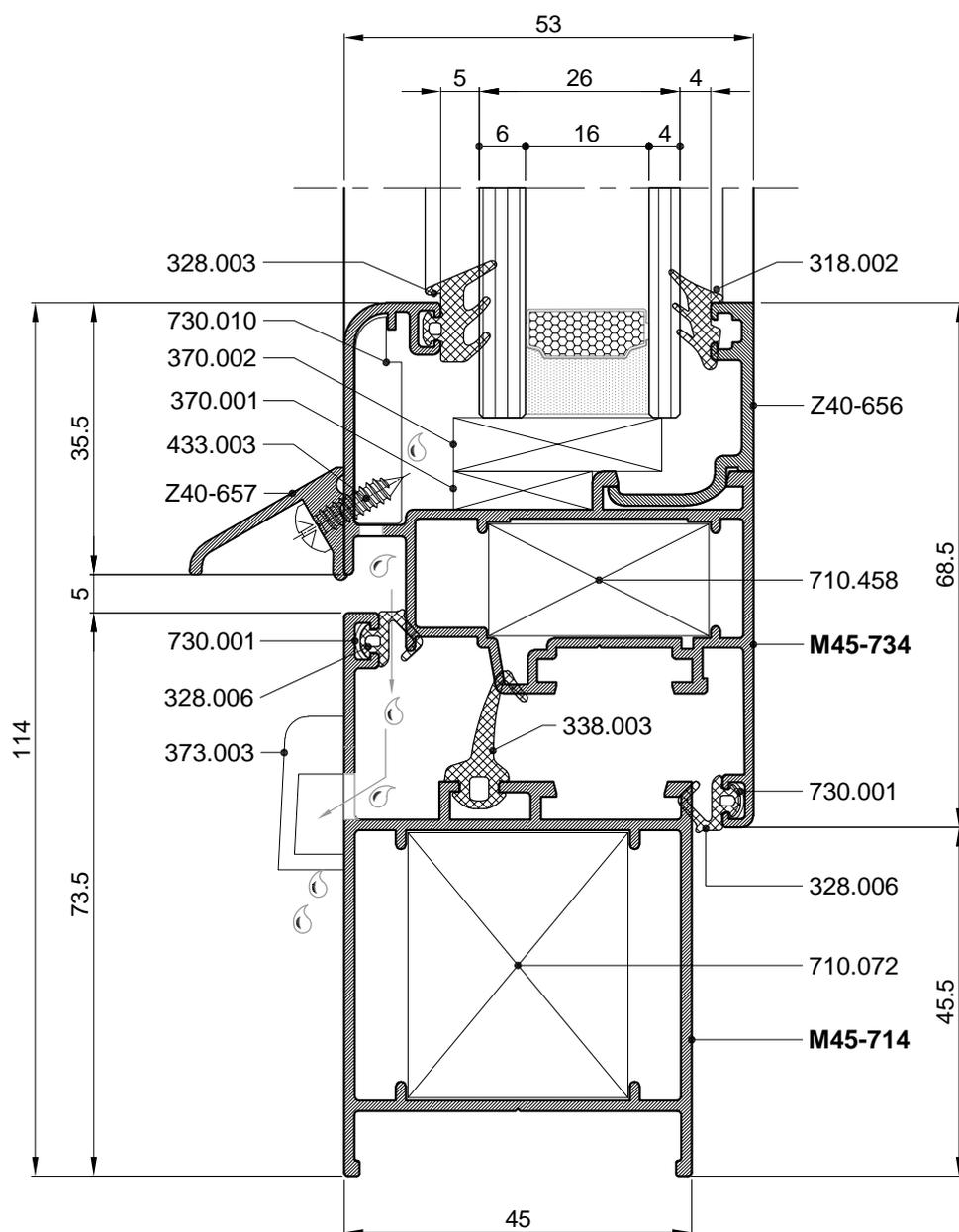
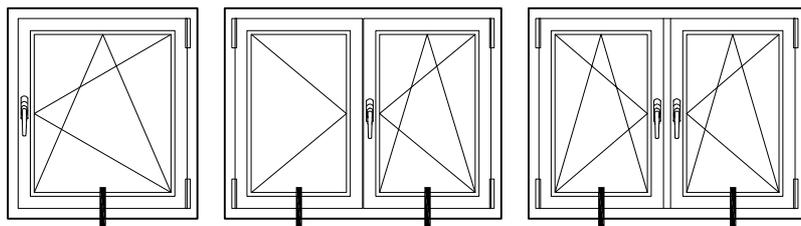
M 2.5:1						
Vanjske brtve Exterior gasket		Unutarnje brtve Interior gaskets				
328.003	328.002	318.002	318.015	318.016	318.017	
Ispuna X Fillings X	Vanjska brtva Exterior gasket	Unutarnja brtva Interior gasket	STAKLO LAJSNE GLAZING BEAD			
6-7	328.002	318.015				
8	328.003	318.016				
9-10	328.002	318.016				
11	328.002	318.015				
12-13	328.002	318.017				
14-15	328.002	318.016				
16-17	328.002	318.015				
18	328.003	318.016				
19-20	328.002	318.016				
21	328.002	318.015				
22-23	328.002	318.017				
24-25	328.002	318.016				
26	328.002	318.015				
27-28	328.002	318.017				
29-30	328.002	318.016				
31	328.002	318.015				
32-33	328.002	318.017				
34-35	328.002	318.016				
36	328.002	318.015				
37	328.003	318.016				
38-39	328.003	318.015				
40	328.002	318.015				

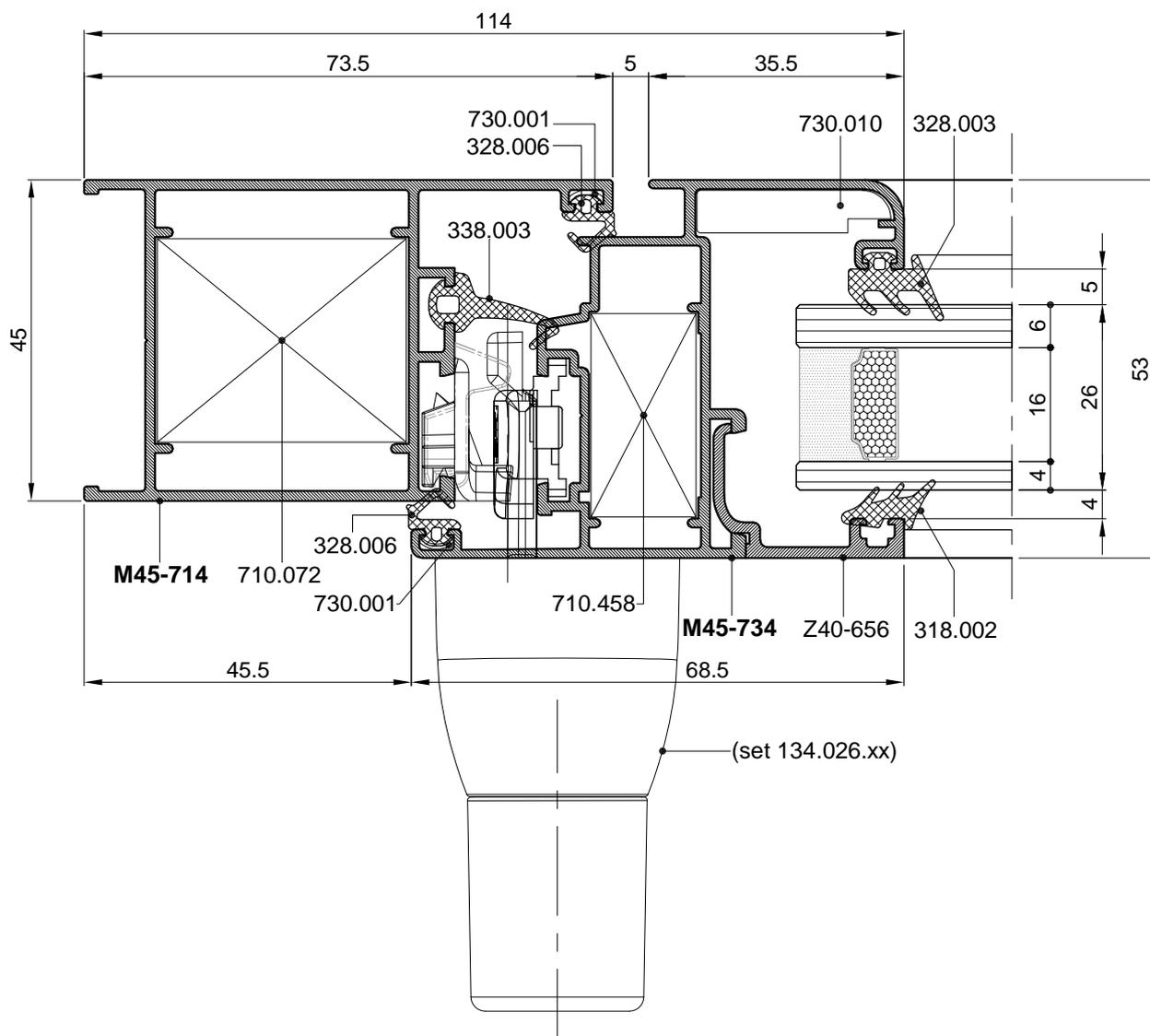
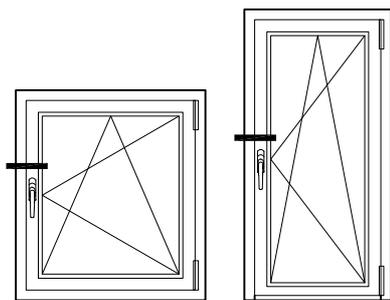
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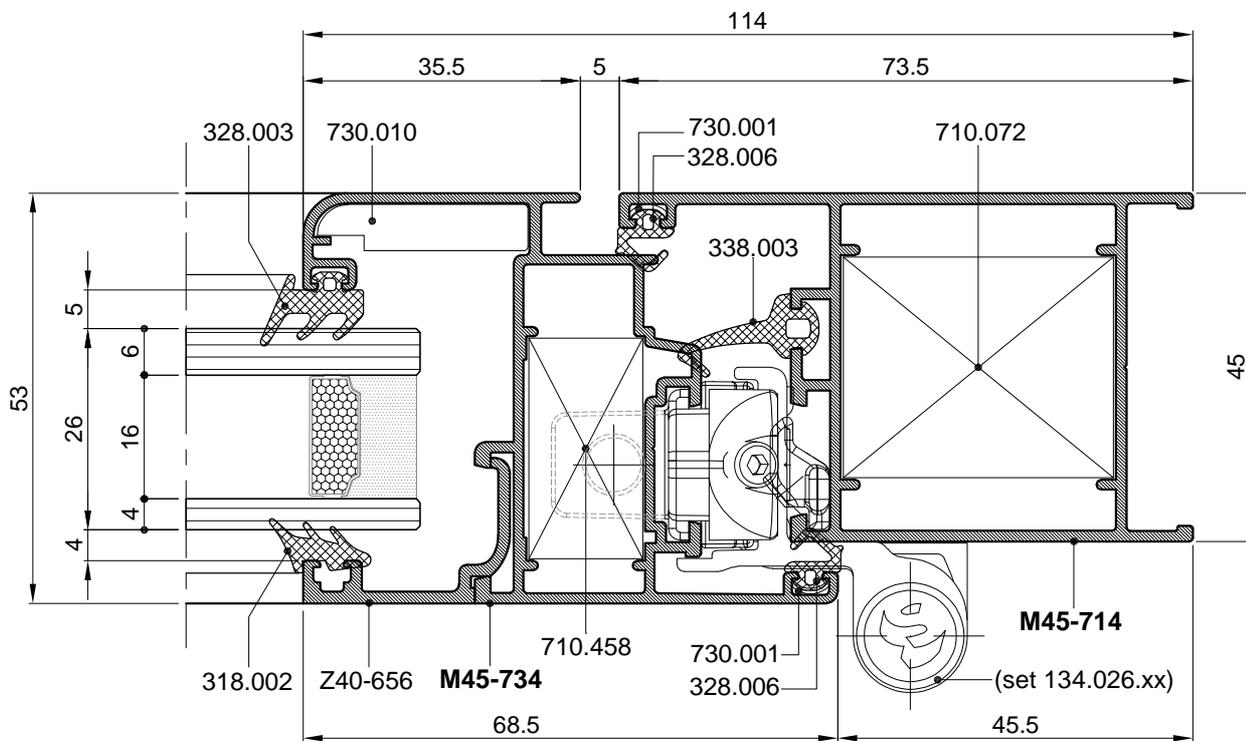
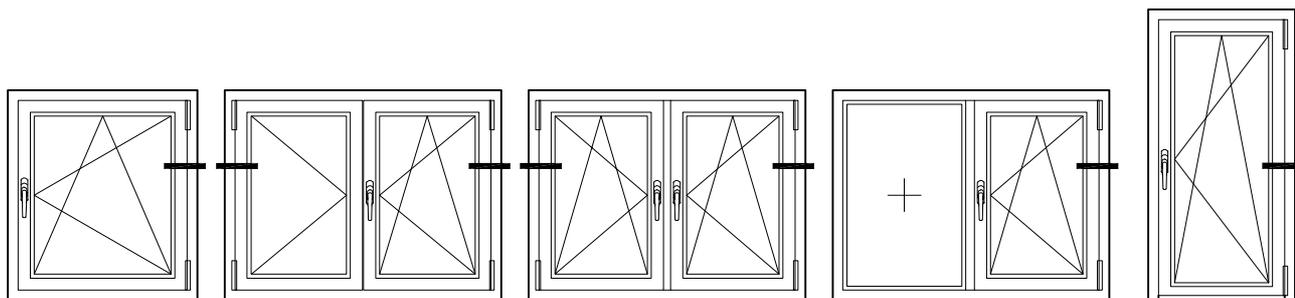
Cross sections

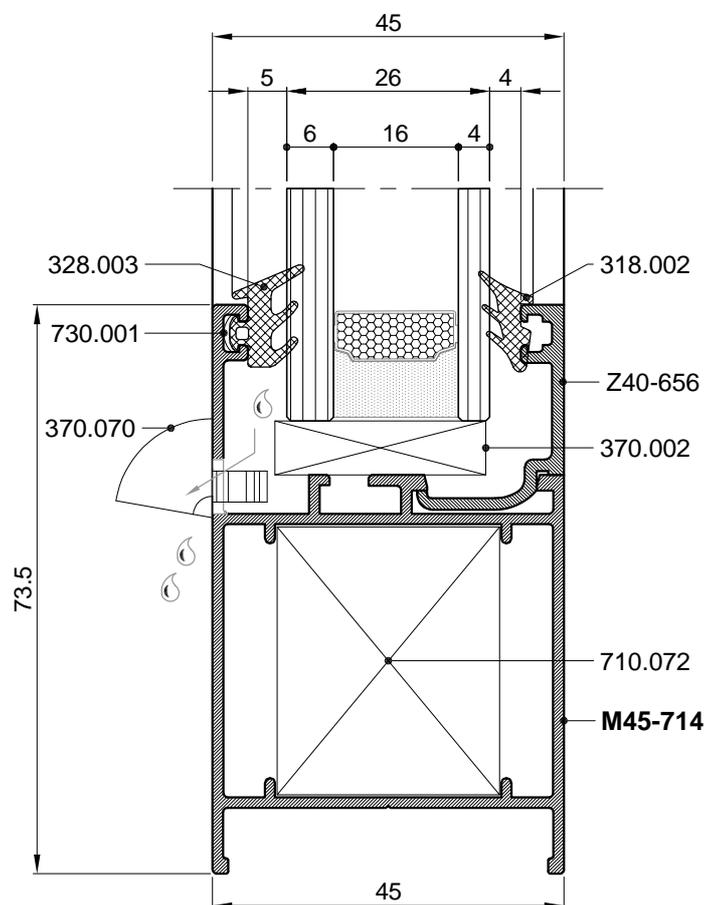
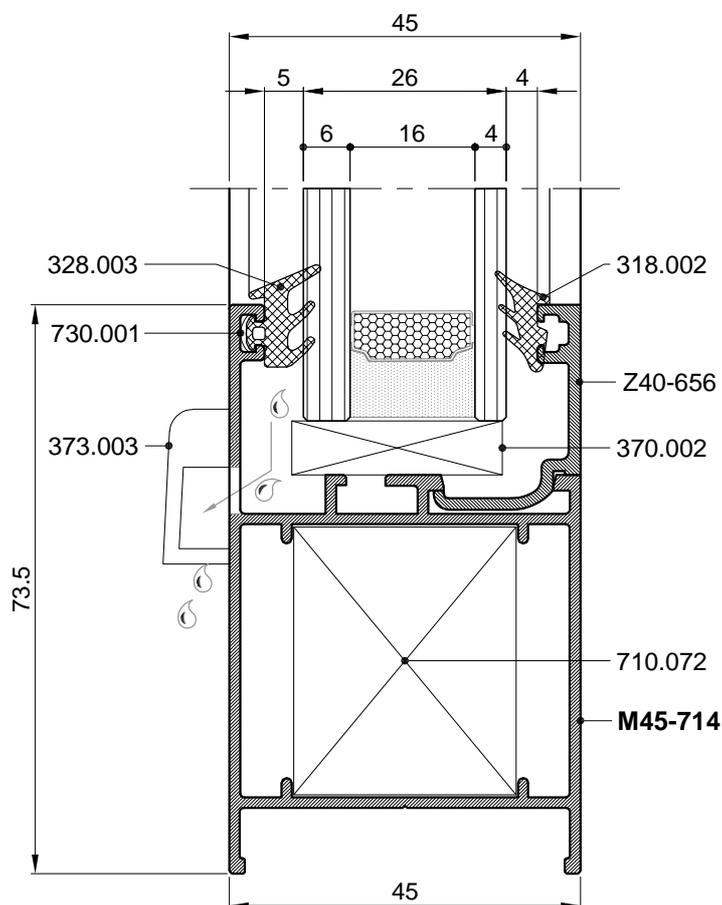
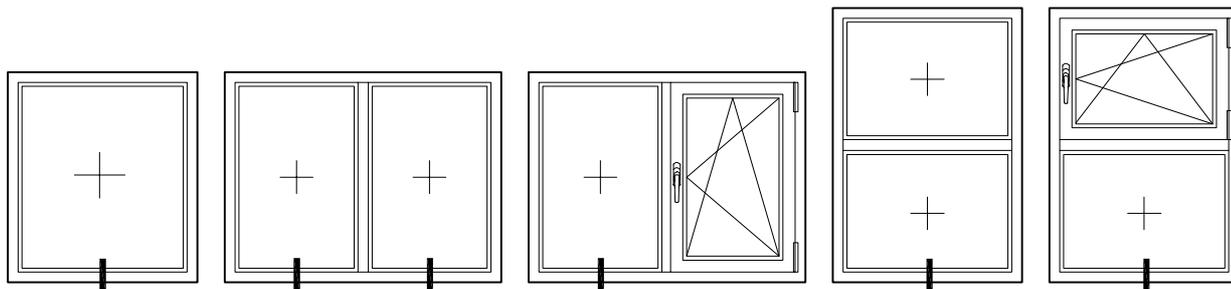
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<p style="text-align: center;">*</p> 	<p style="text-align: center;">*</p> 		

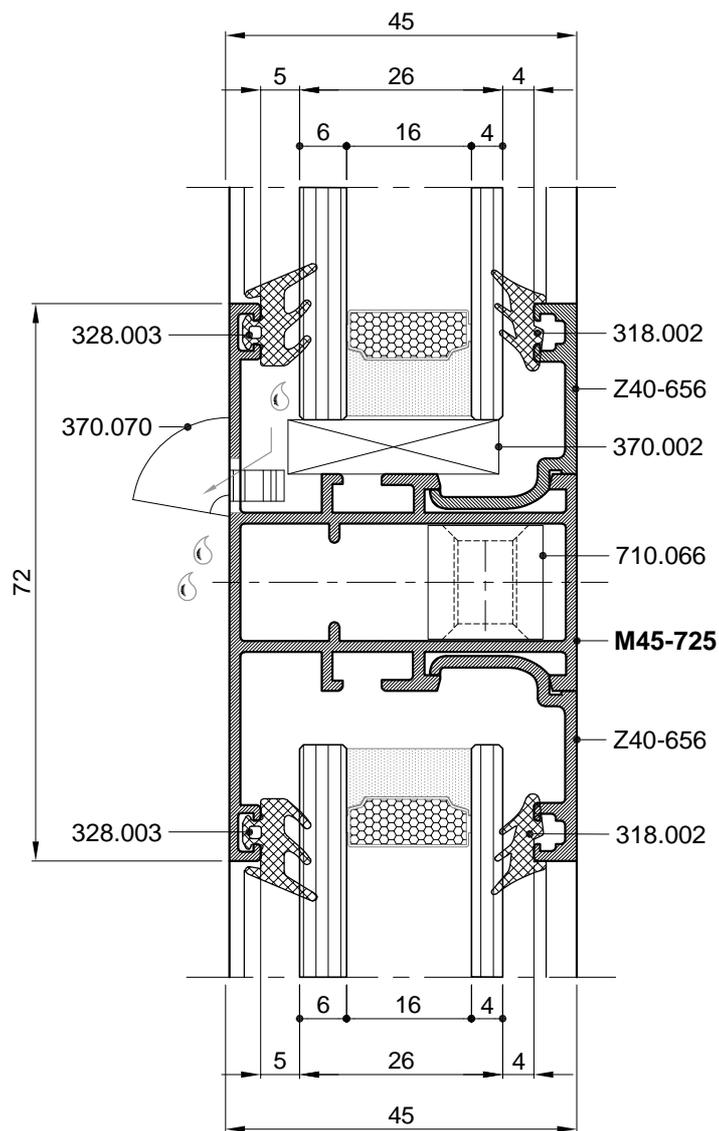
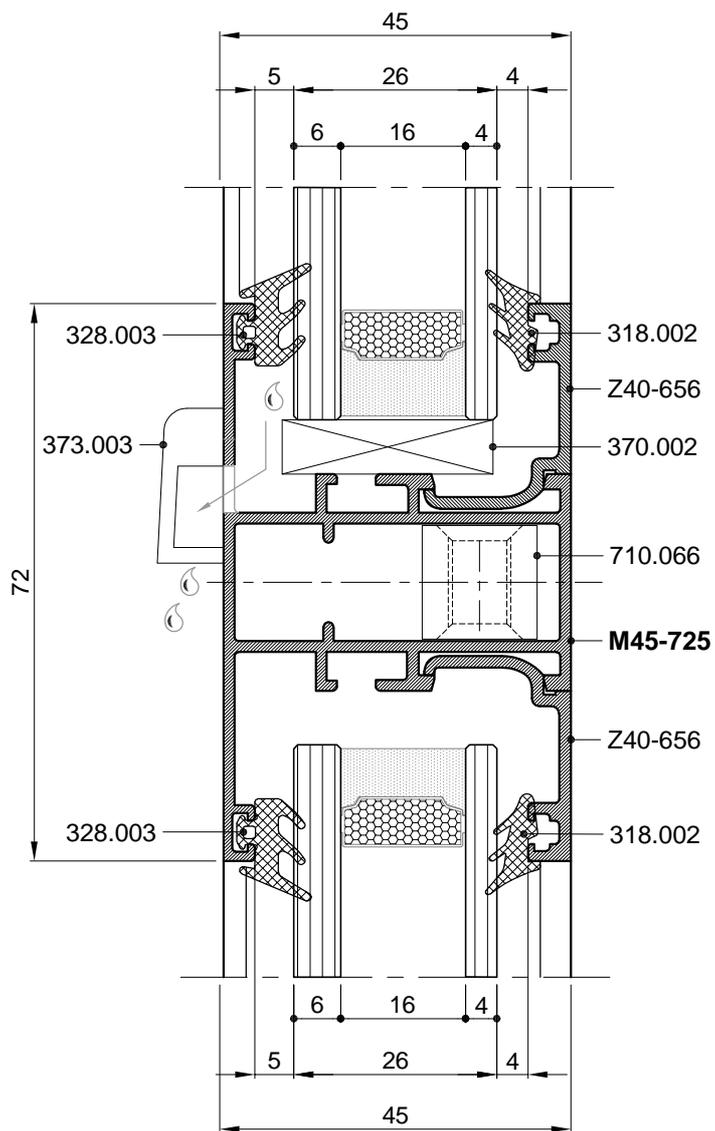
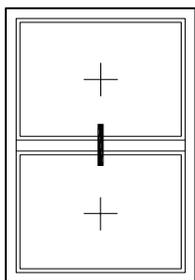
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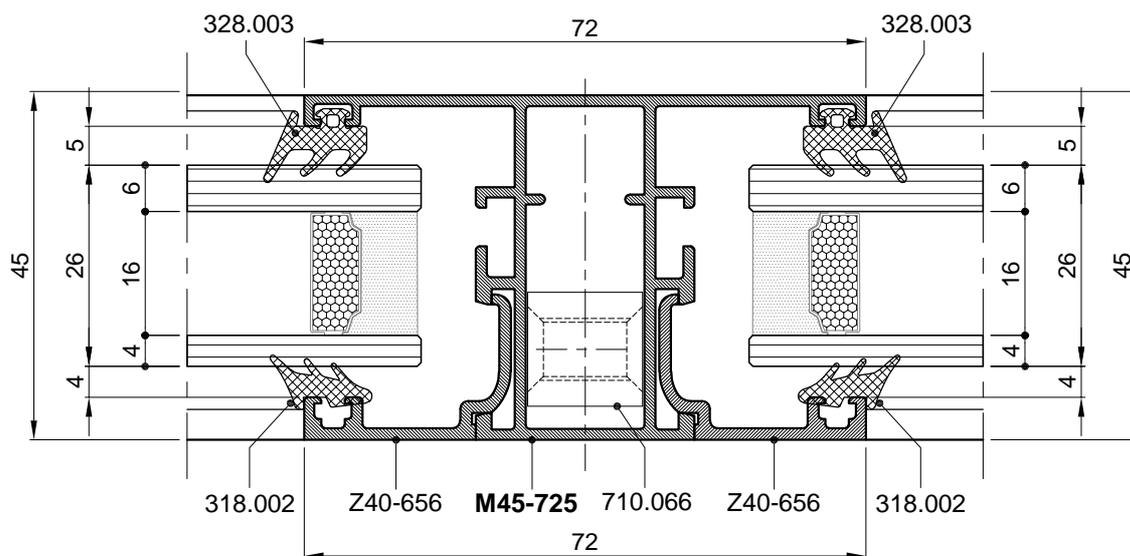
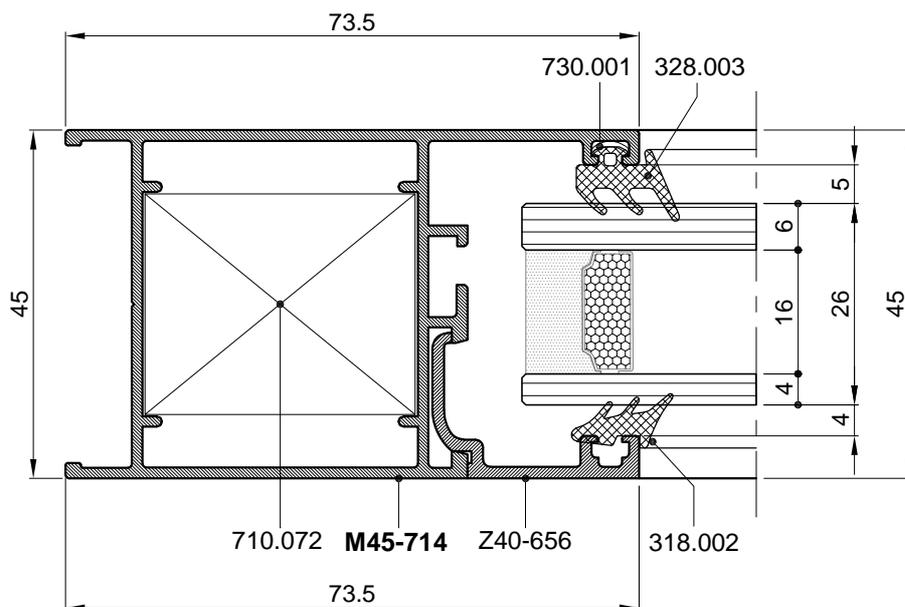
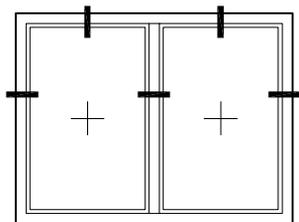


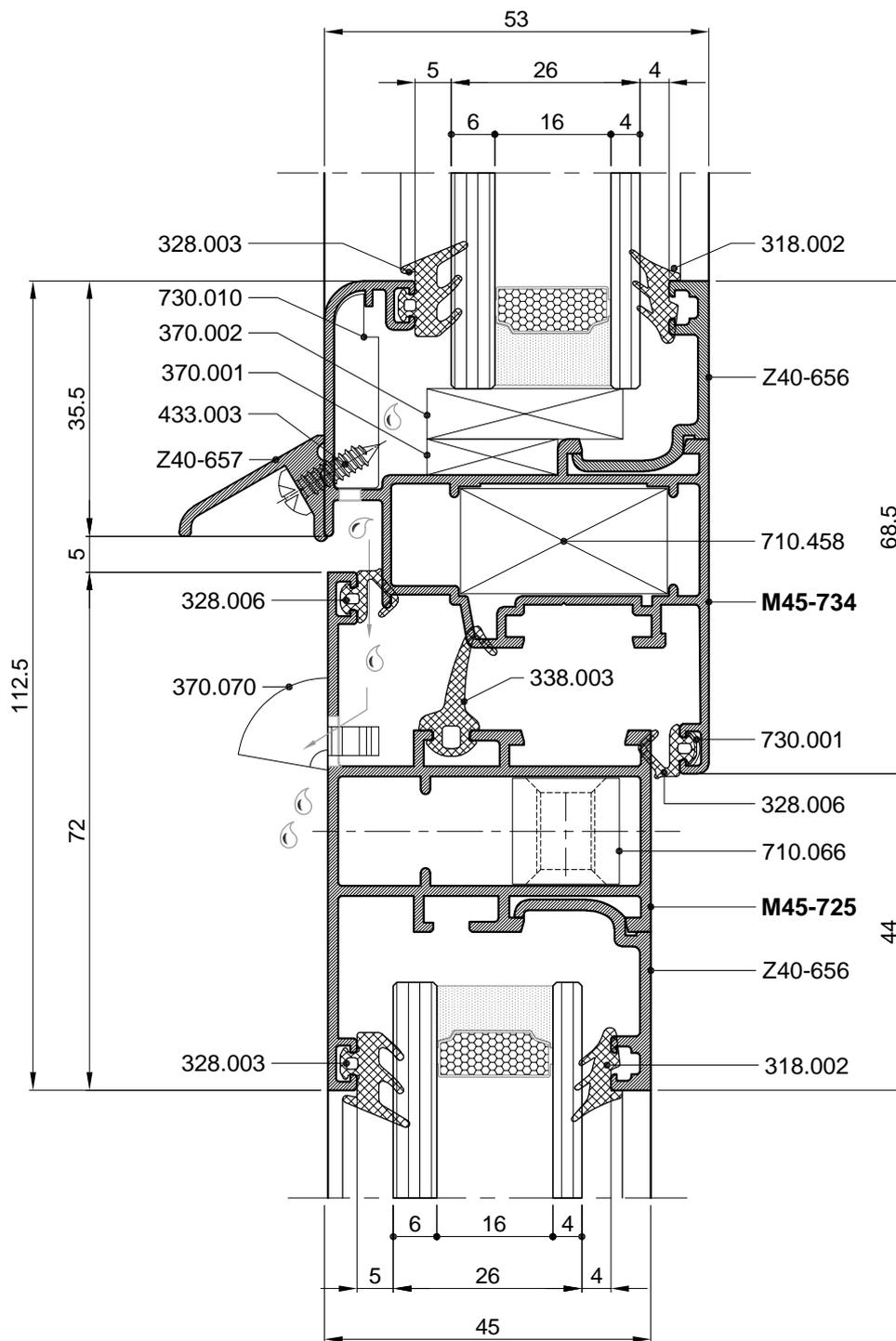
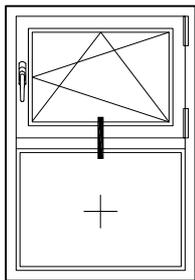


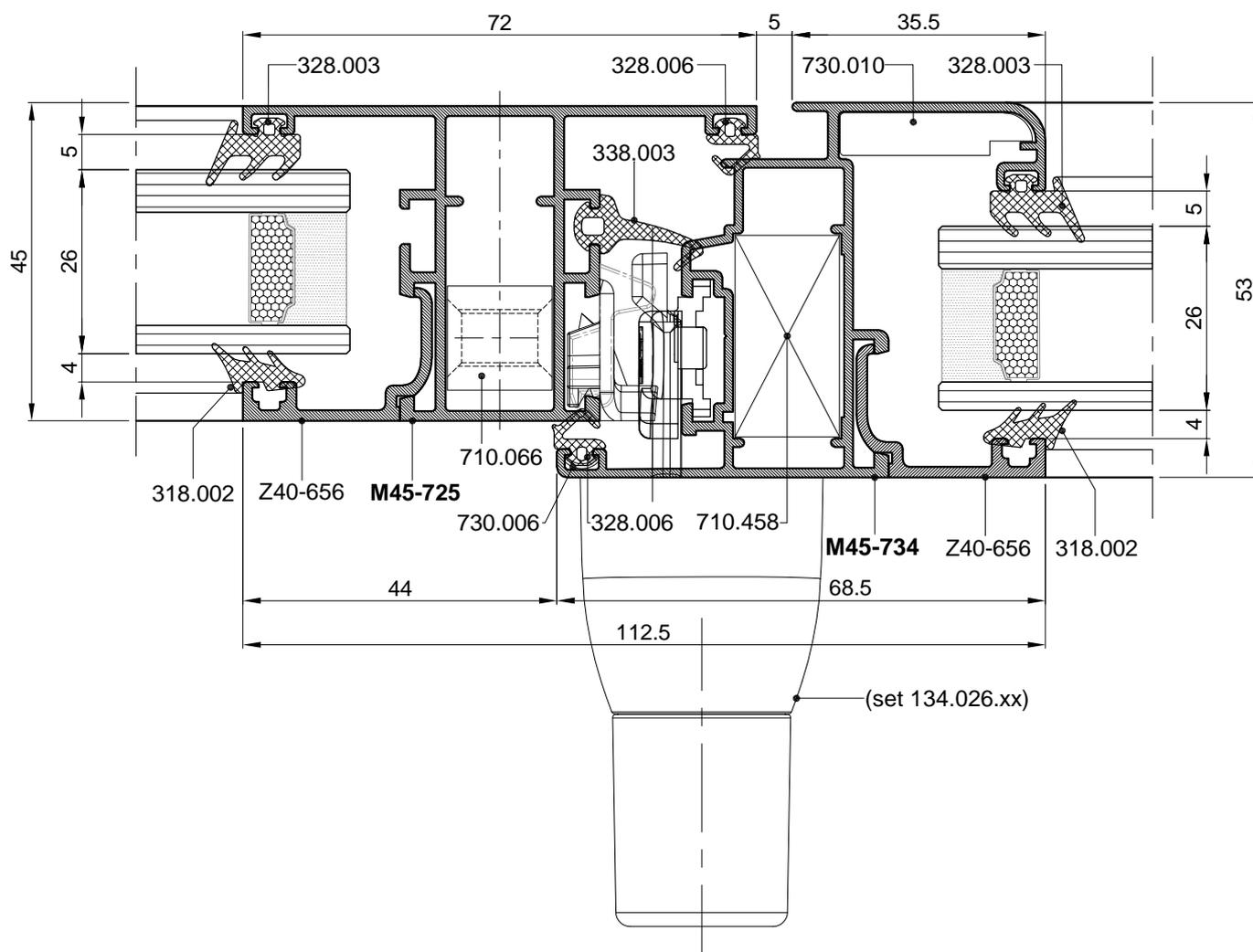
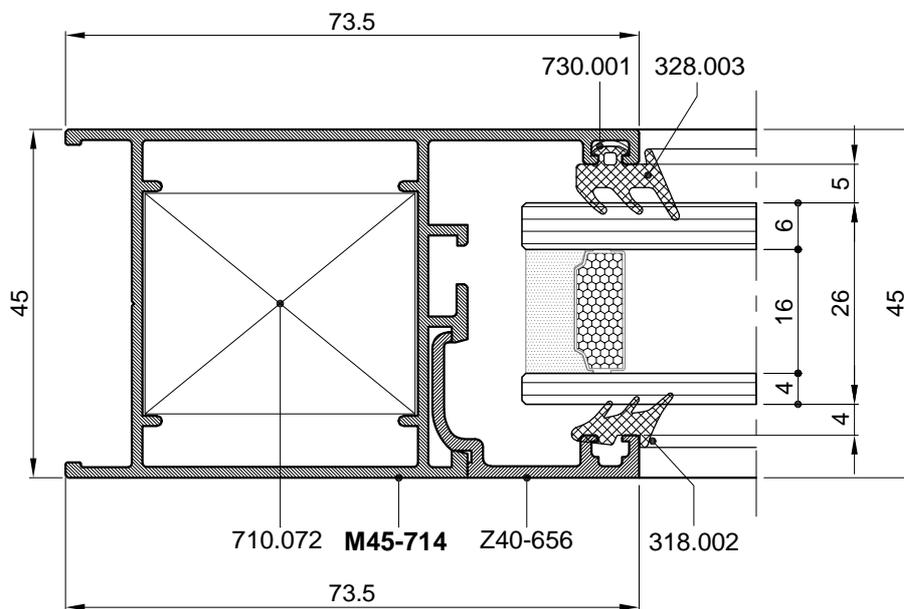
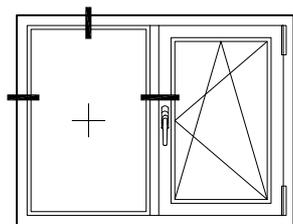


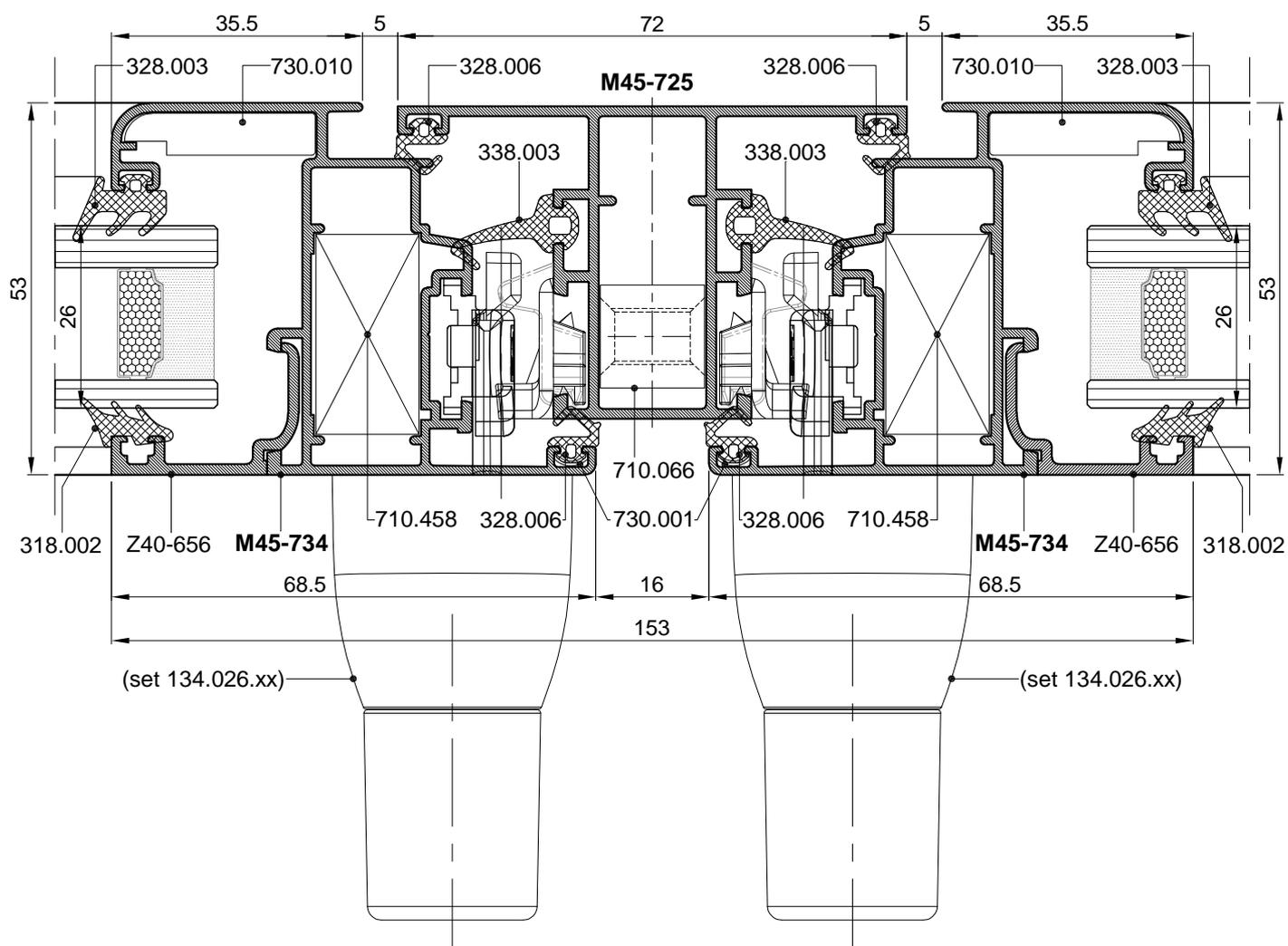
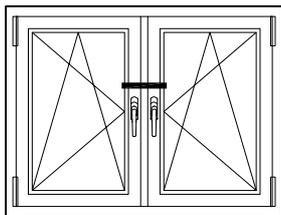


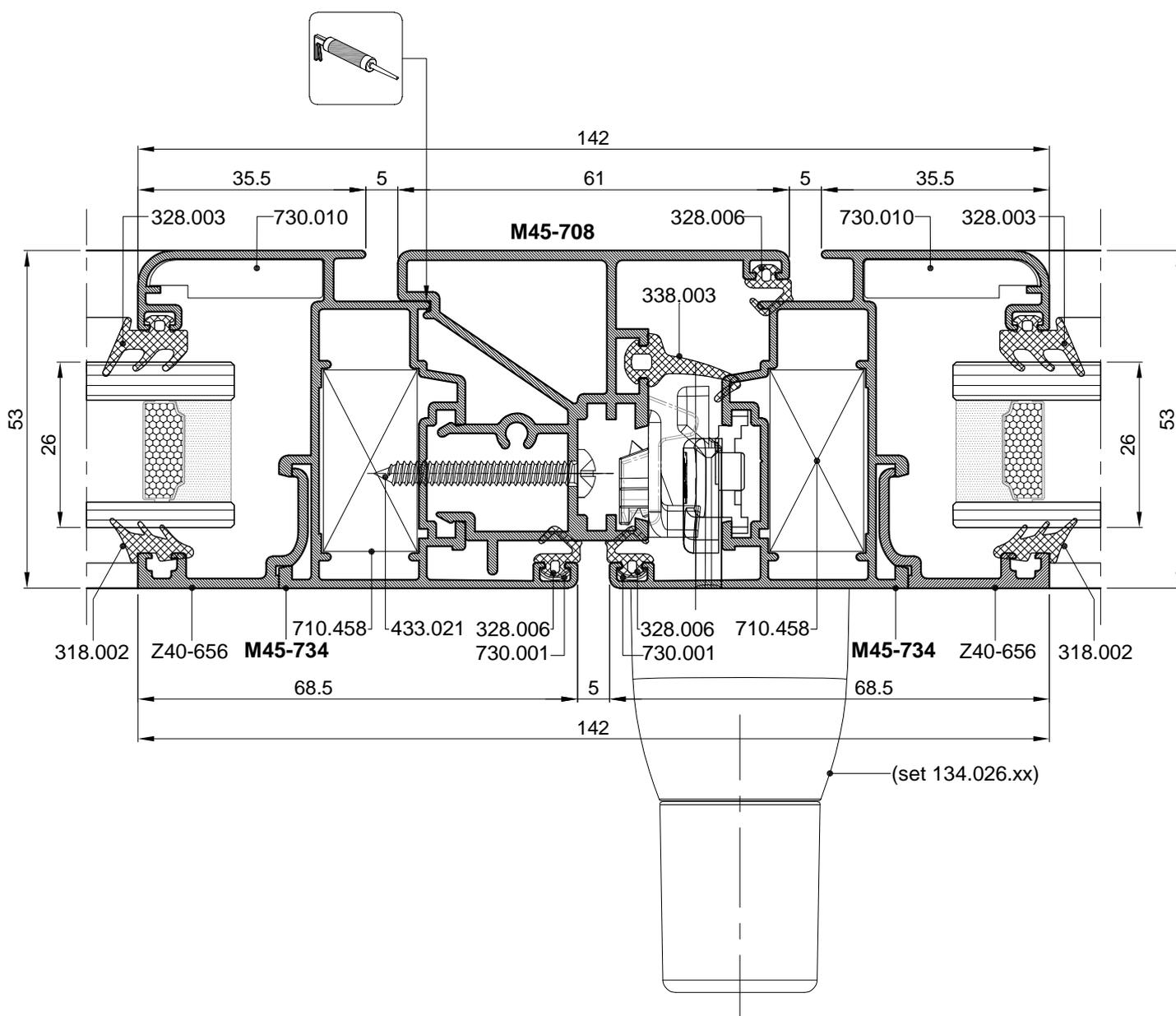
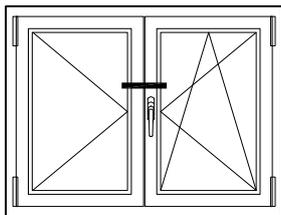




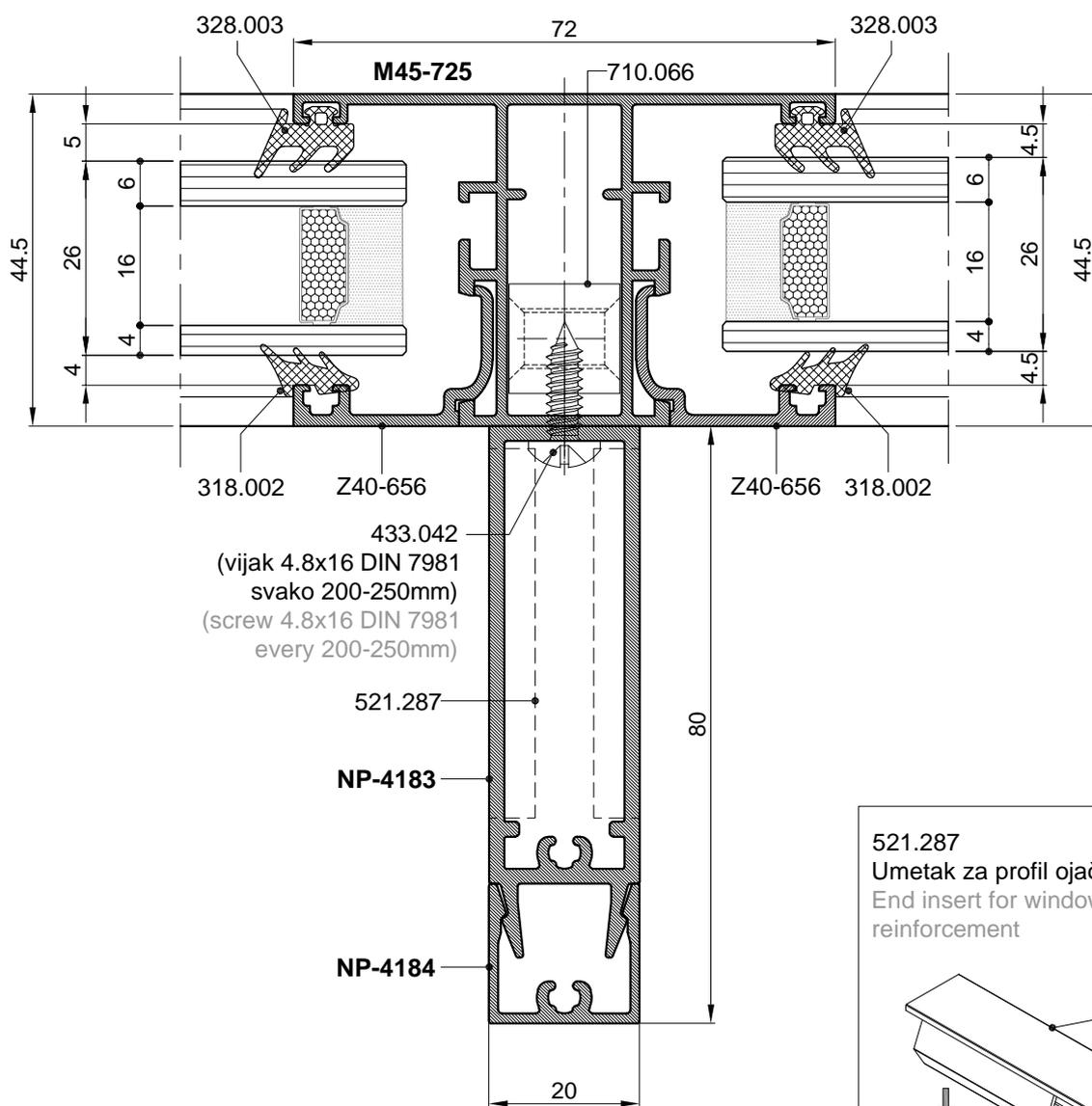
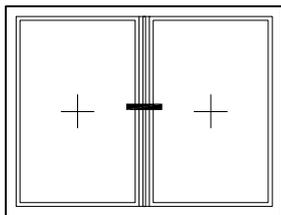




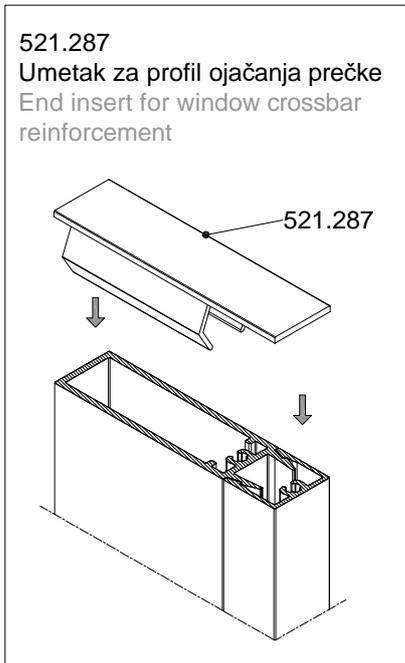




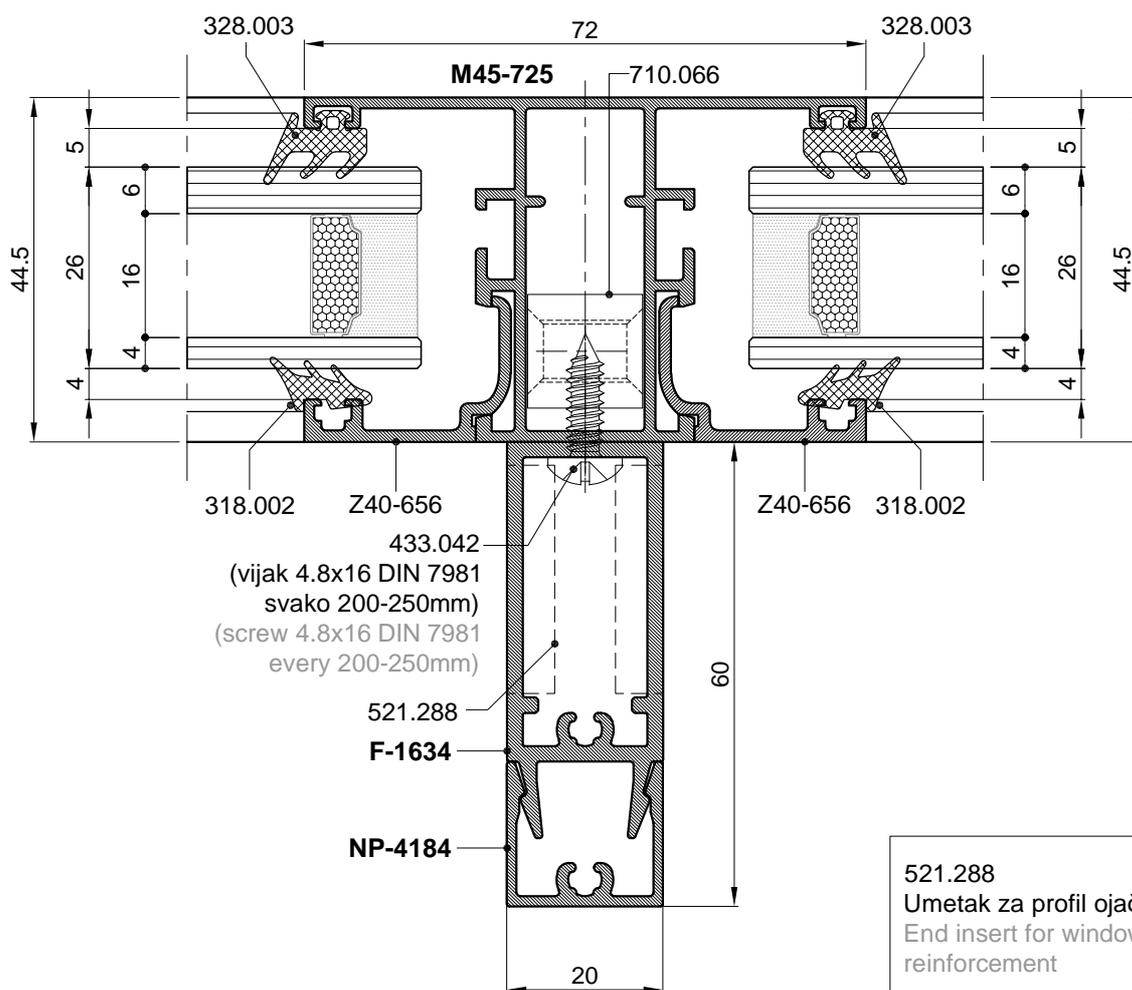
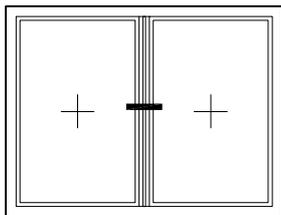
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



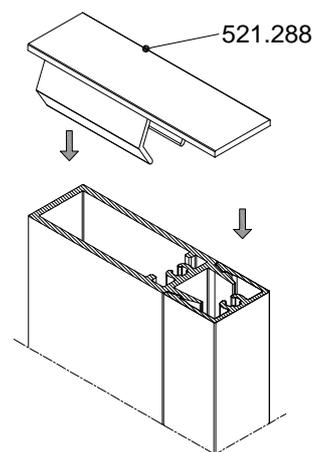
433.042
(vijak 4.8x16 DIN 7981
svako 200-250mm)
(screw 4.8x16 DIN 7981
every 200-250mm)



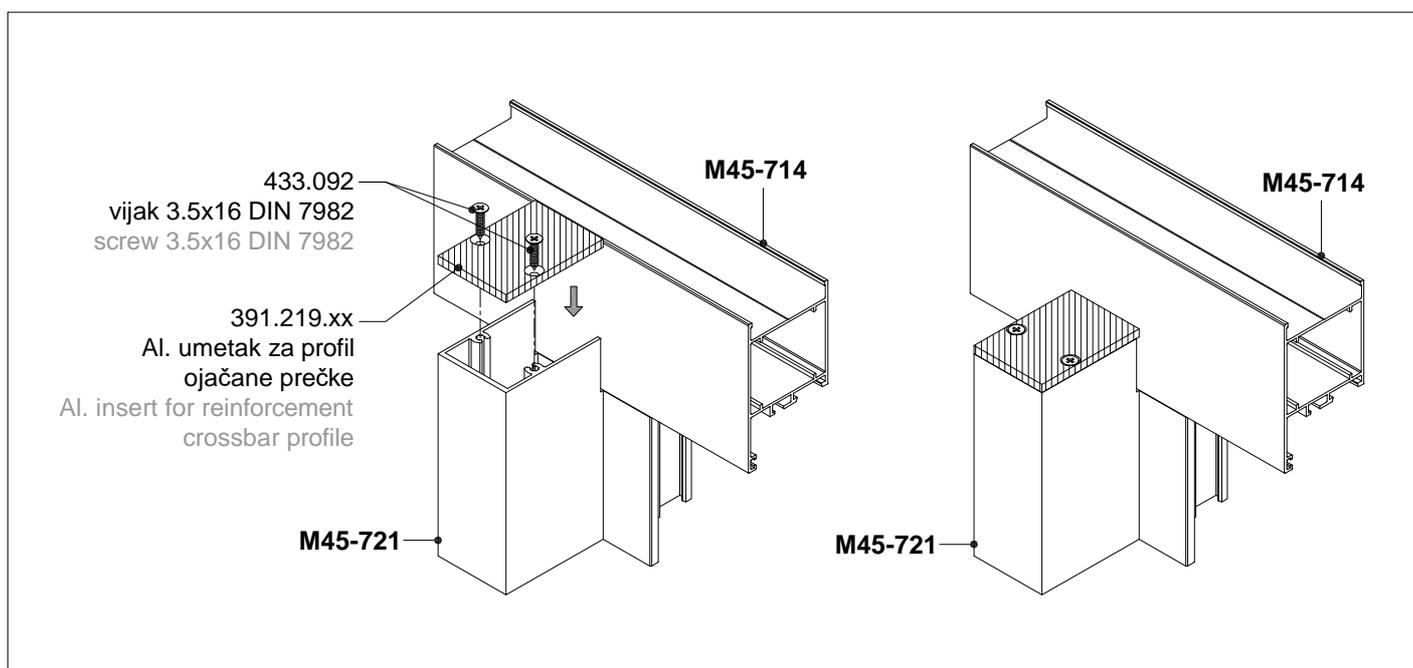
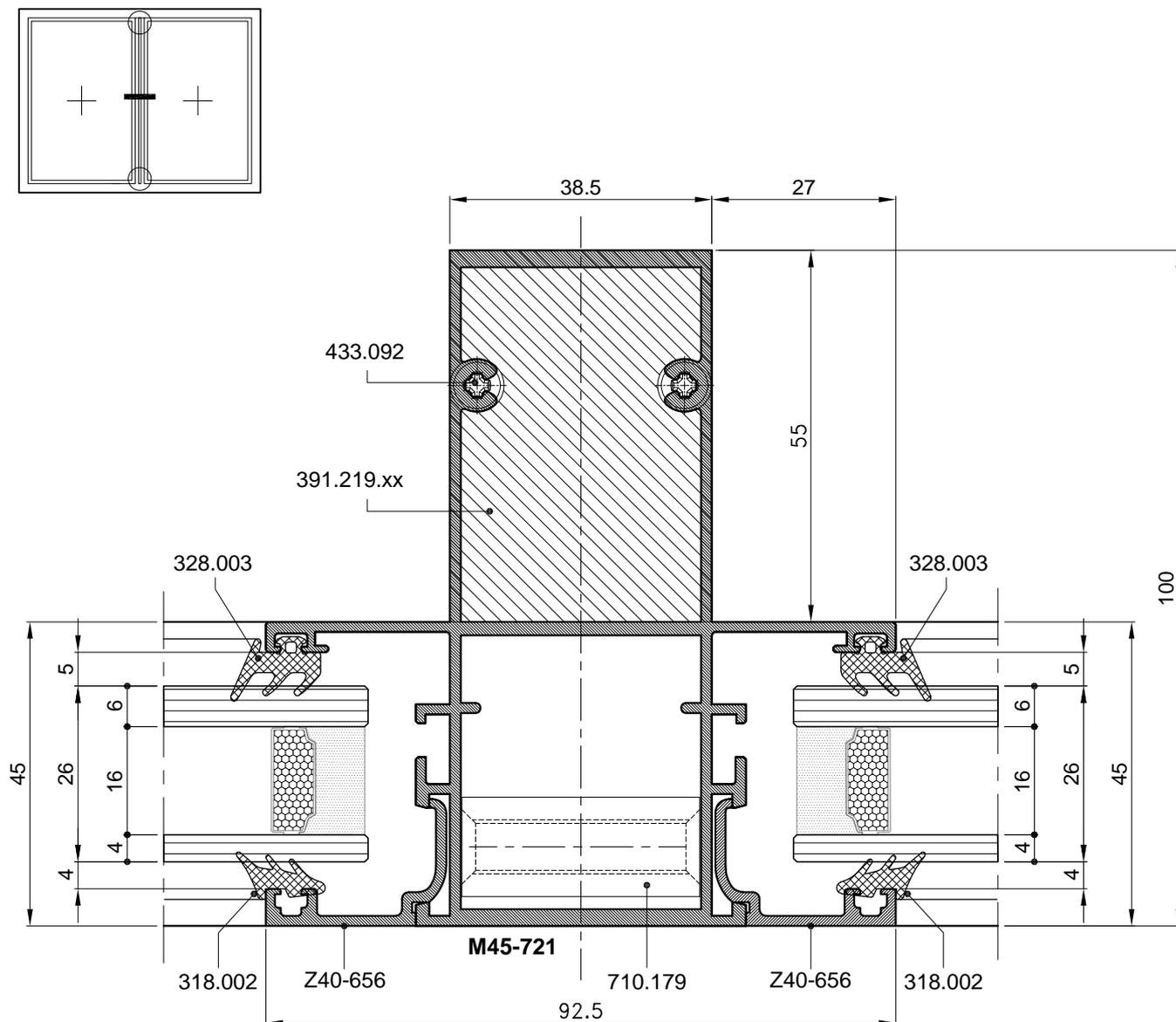
*Profil ojačanja može biti s unutarnje ili vanjske strane.
The reinforcement profile can be placed on the inside or on the outside.

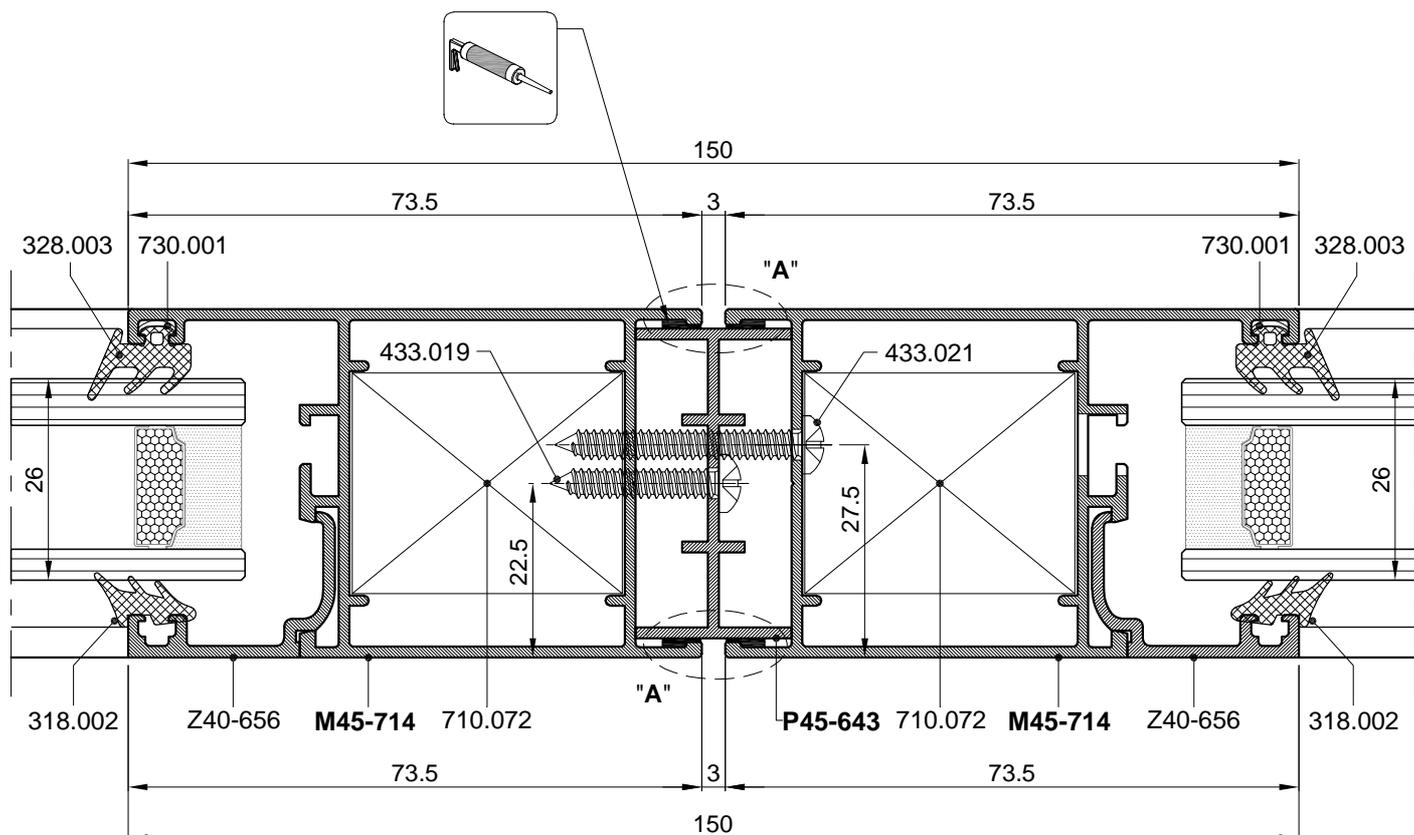
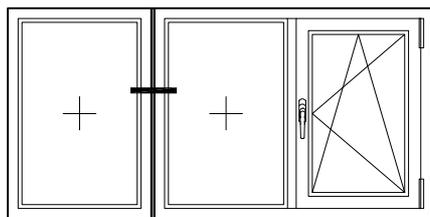


521.288
Umetak za profil ojačanja prečke
End insert for window crossbar
reinforcement



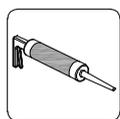
*Profil ojačanja može biti s
unutarnje ili vanjske strane.
The reinforcement profile can be placed
on the inside or on the outside.



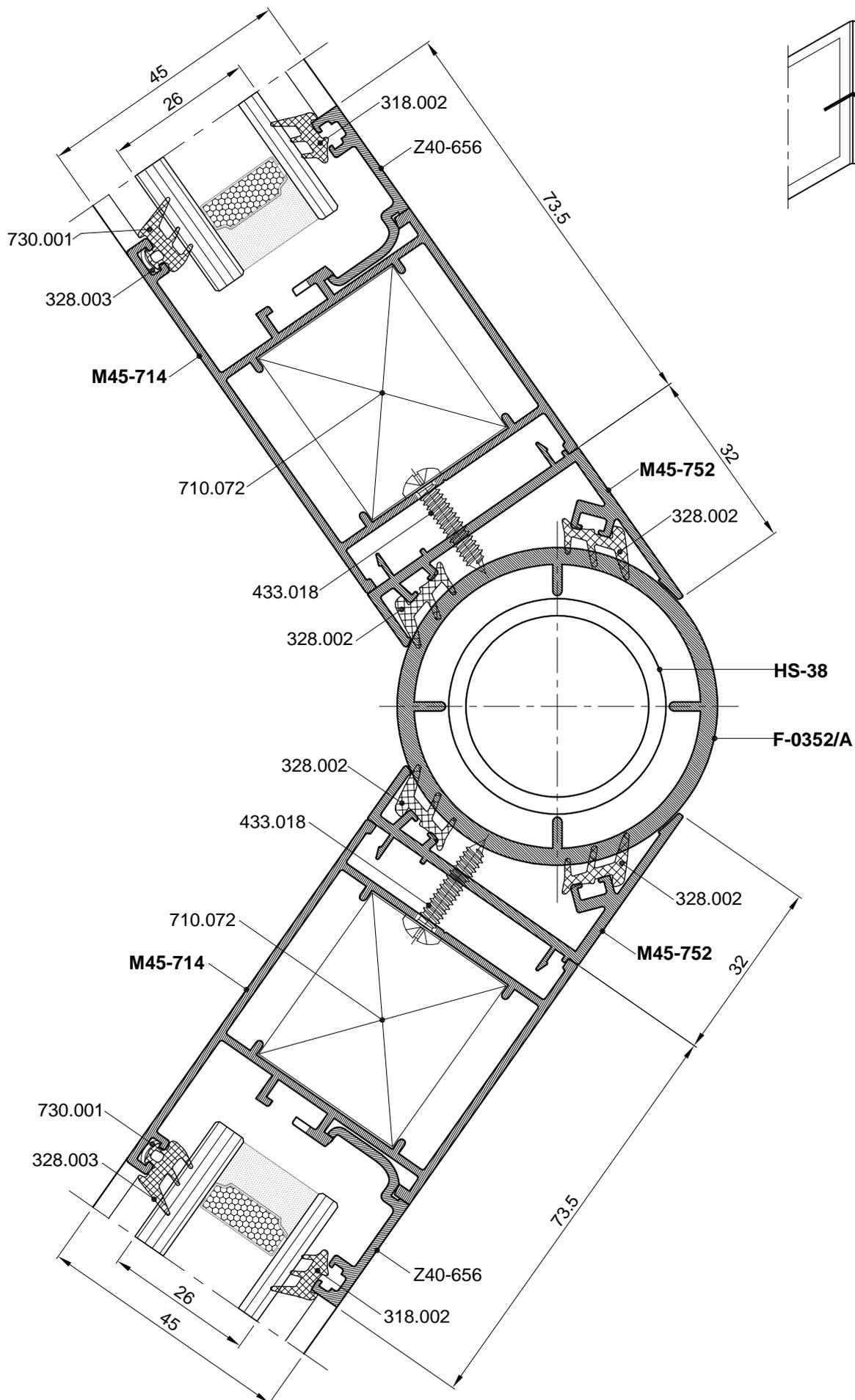


"A" - ispuniti ljeplom za metal
(cijelom dužinom profila)

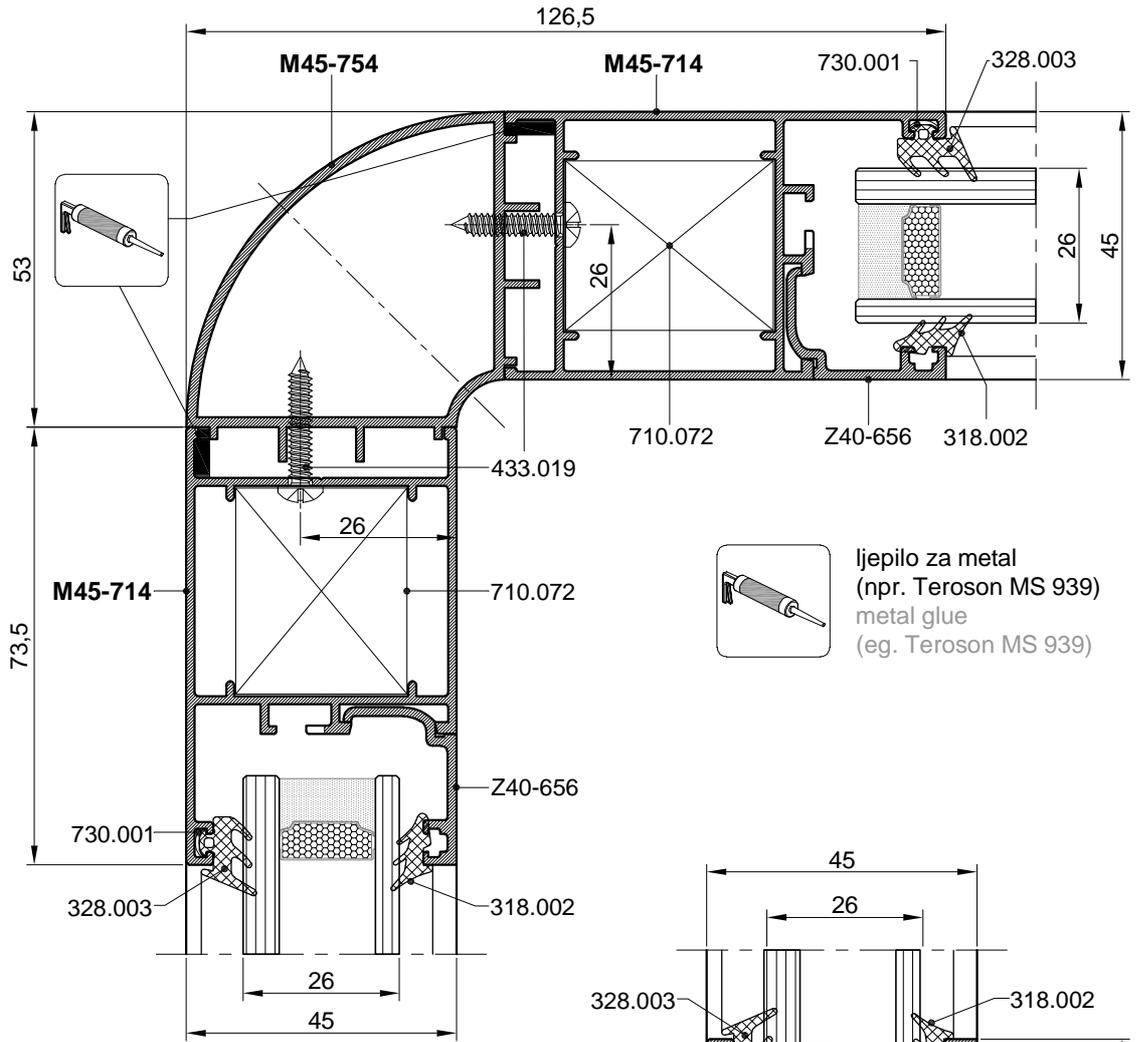
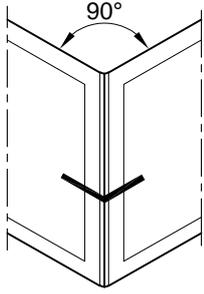
"A" - to be filled with metal glue
(throughout the length of the profile)

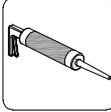


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

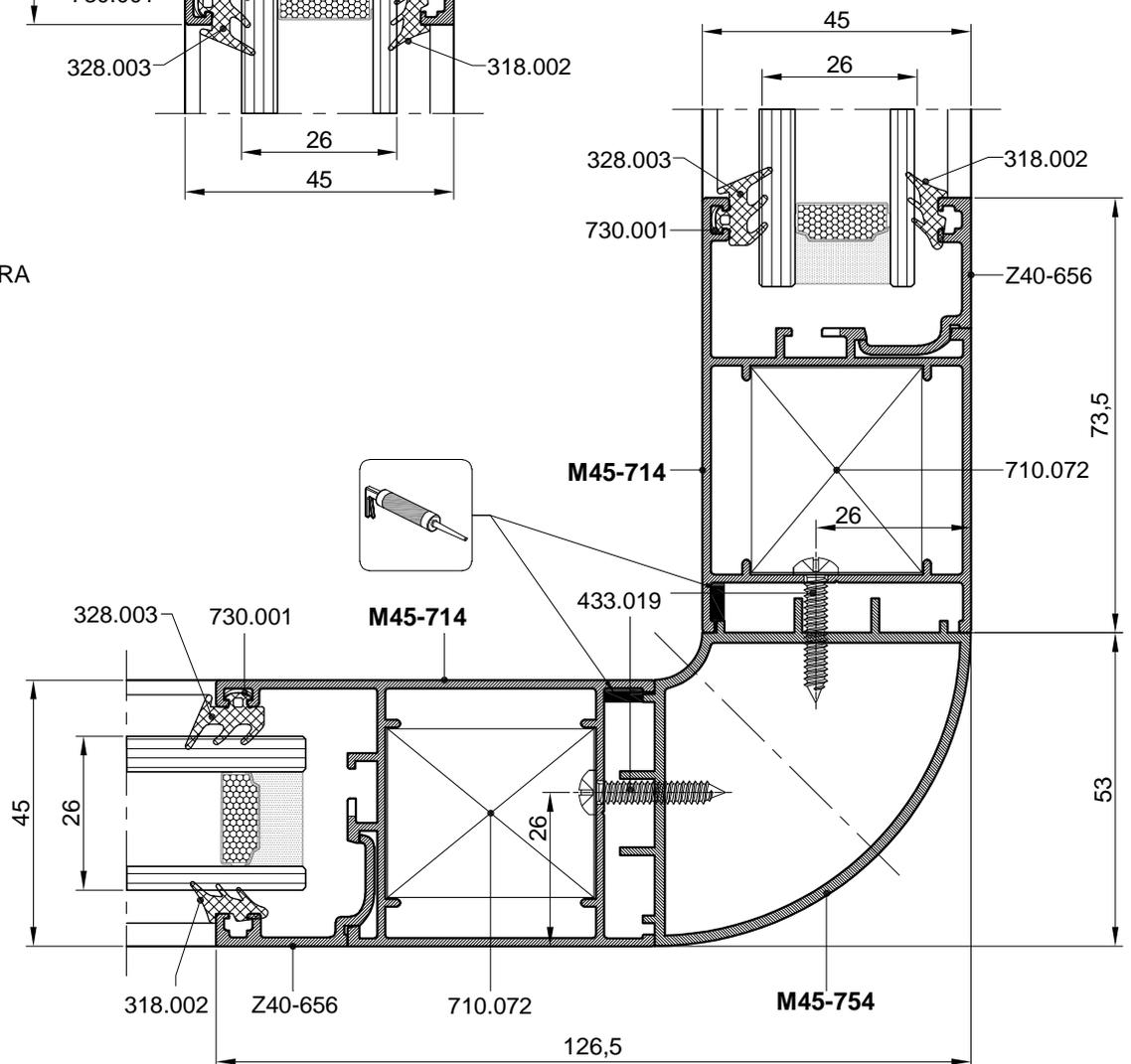
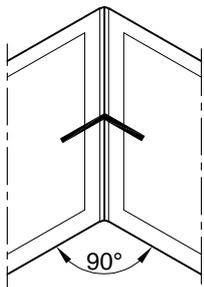


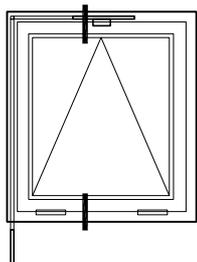
KUT PREMA VANI OUTSIDE CORNER




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

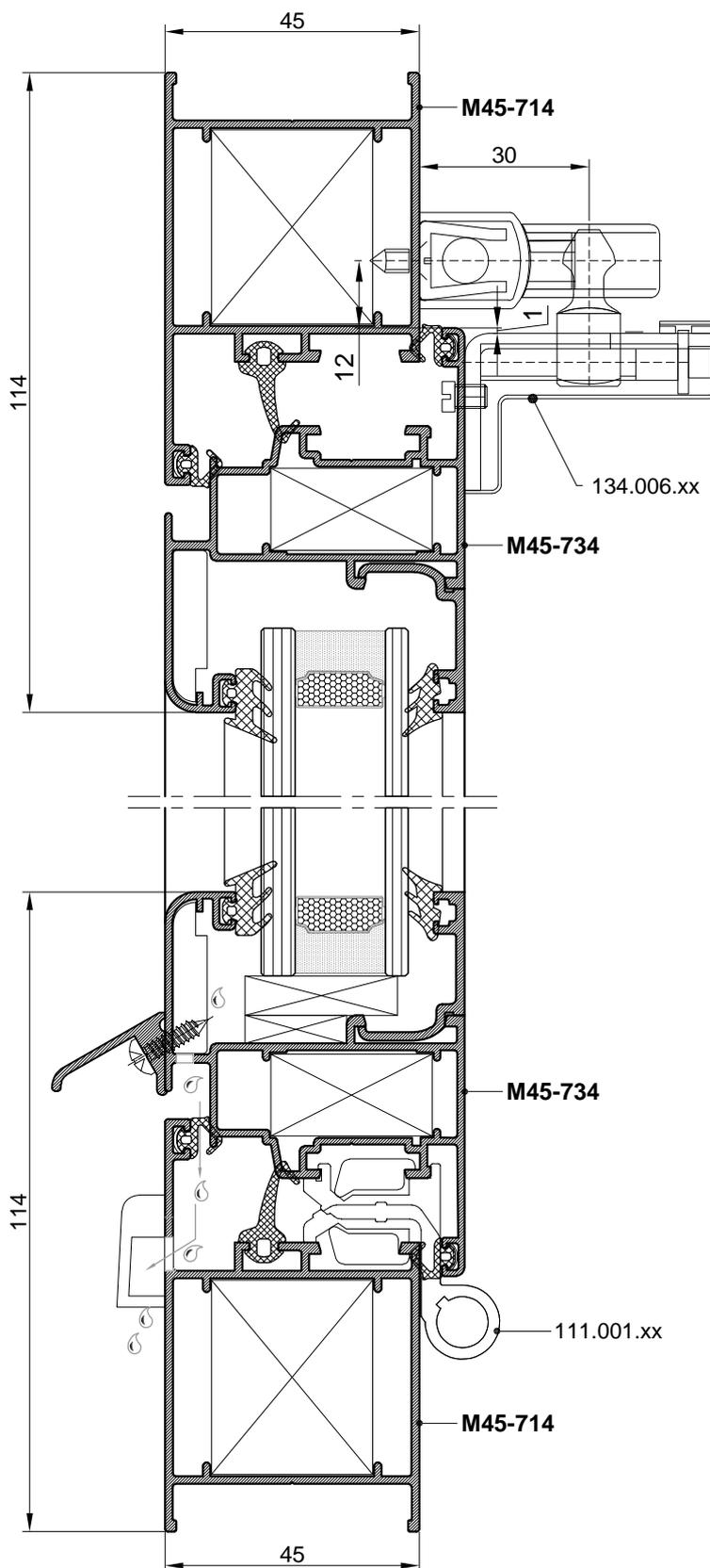
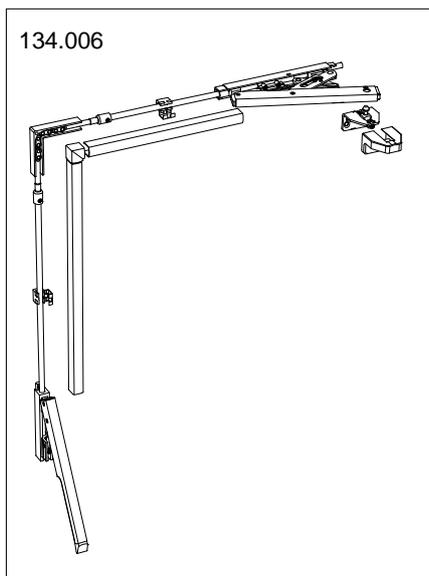
KUT PREMA UNUTRA INSIDE CORNER



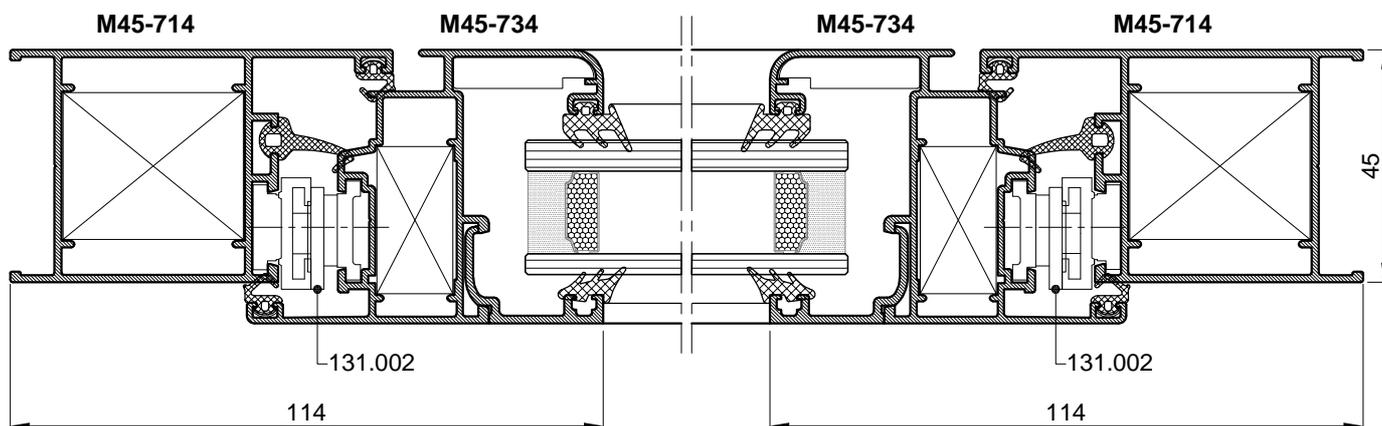
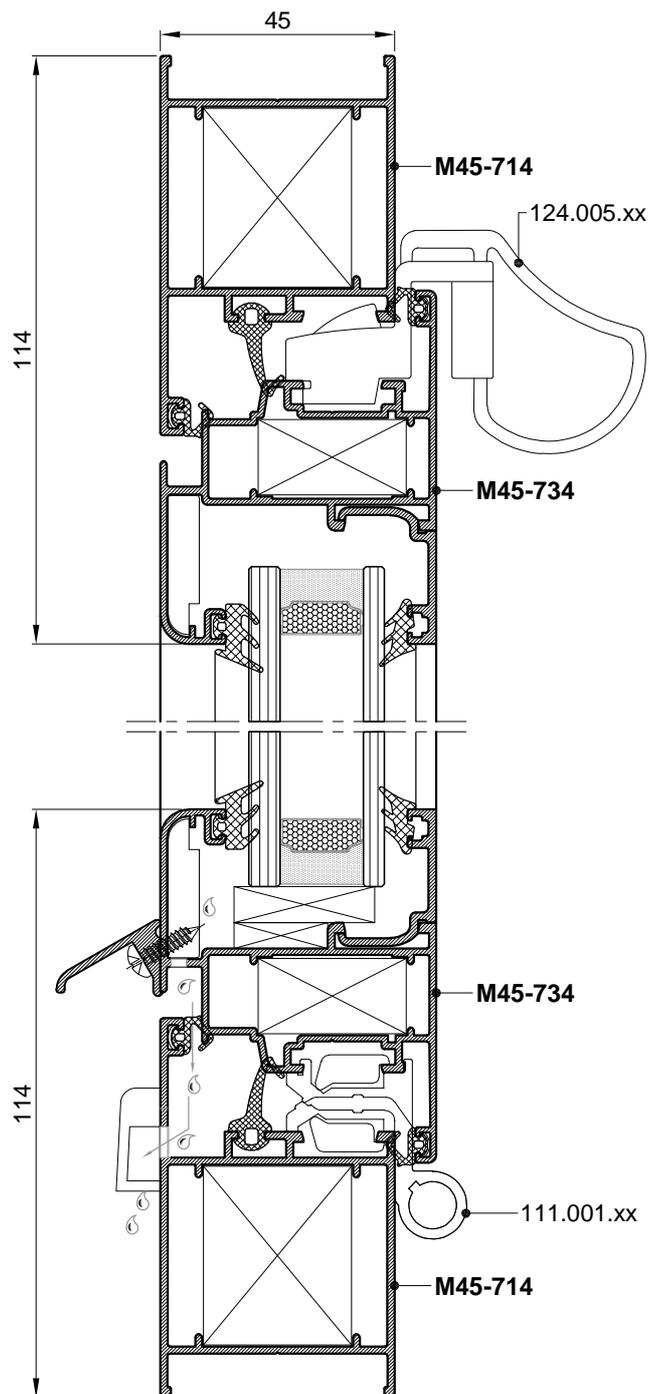
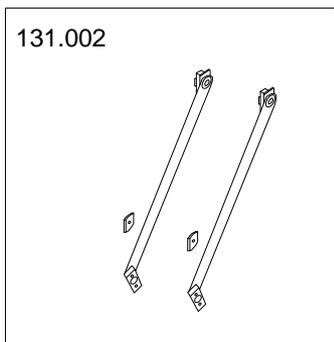
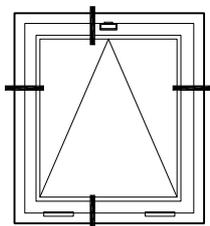


OTKLOPNI PROZOR - VENTUS sa ručkom za visinu - (134.006.xx)
TILT WINDOW - VENTUS with handle for height - (134.006.xx)

134.006



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

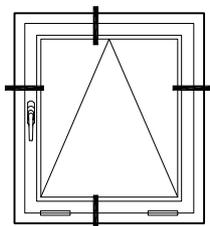


OTKLOPNI PROZOR - VENTUS

s ručkom na vertikali

TILT WINDOW - VENTUS

with the handle on the side



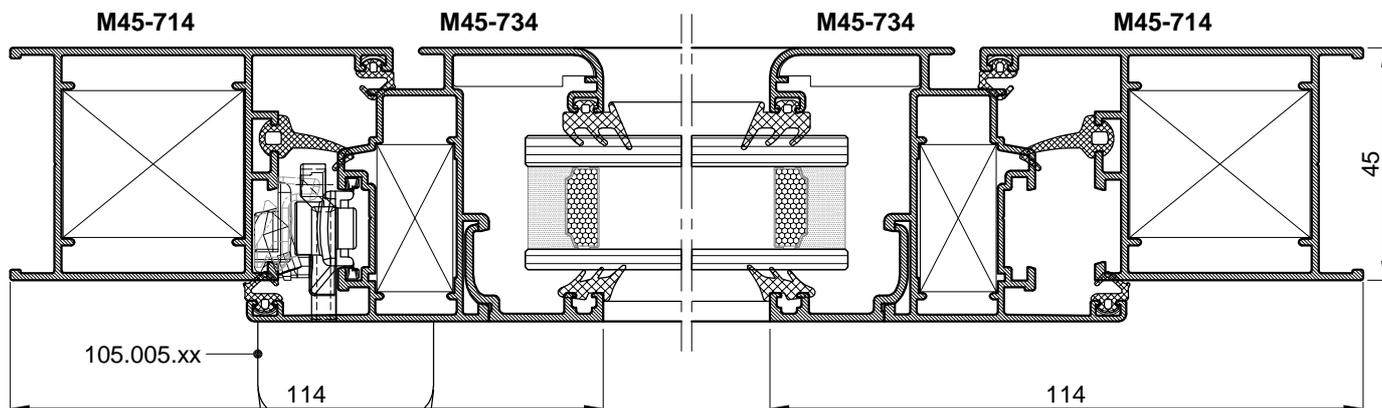
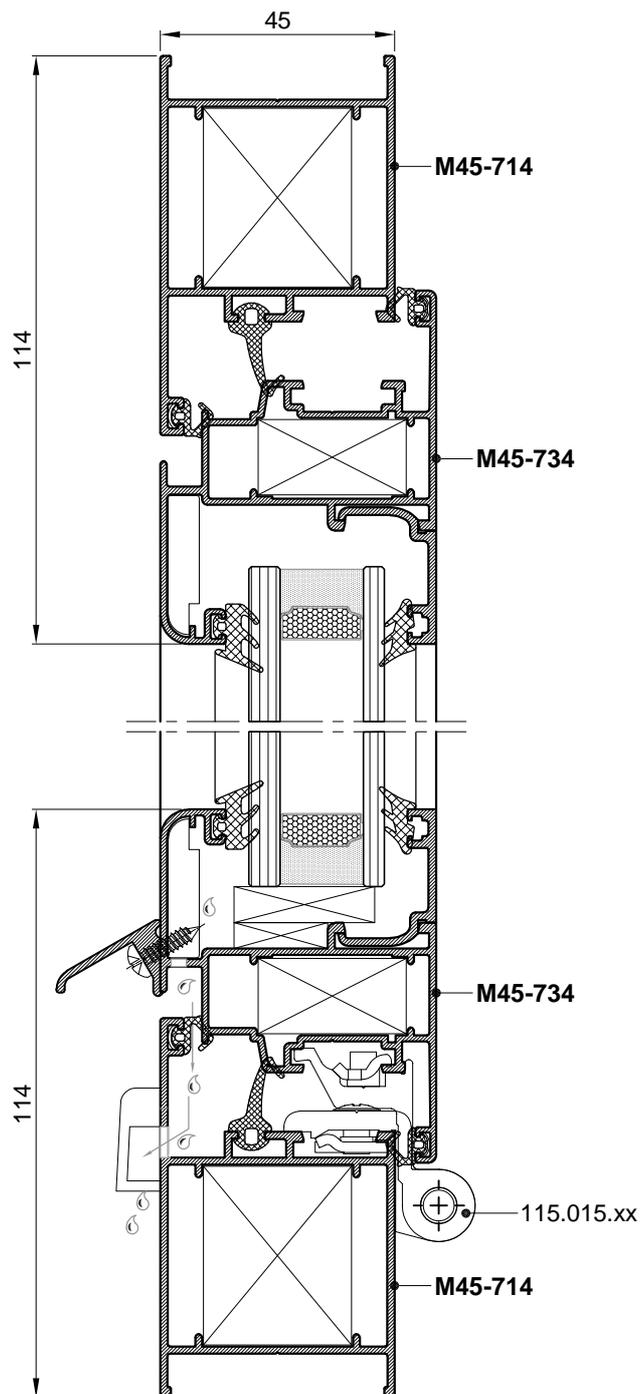
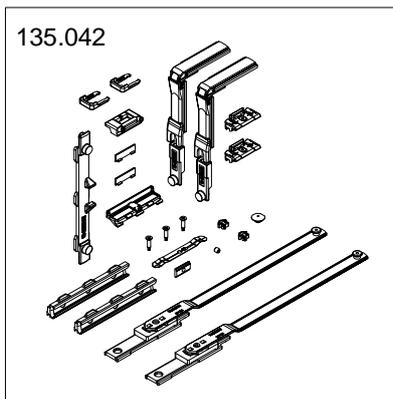
(Mehanizam za otklopni prozor - ventus

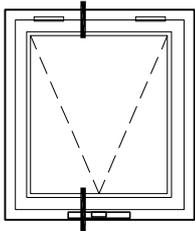
sa ručkom na vertikali - Giese)

(Mechanism for tilt window (ventus)

with the handle on the side - Giese)

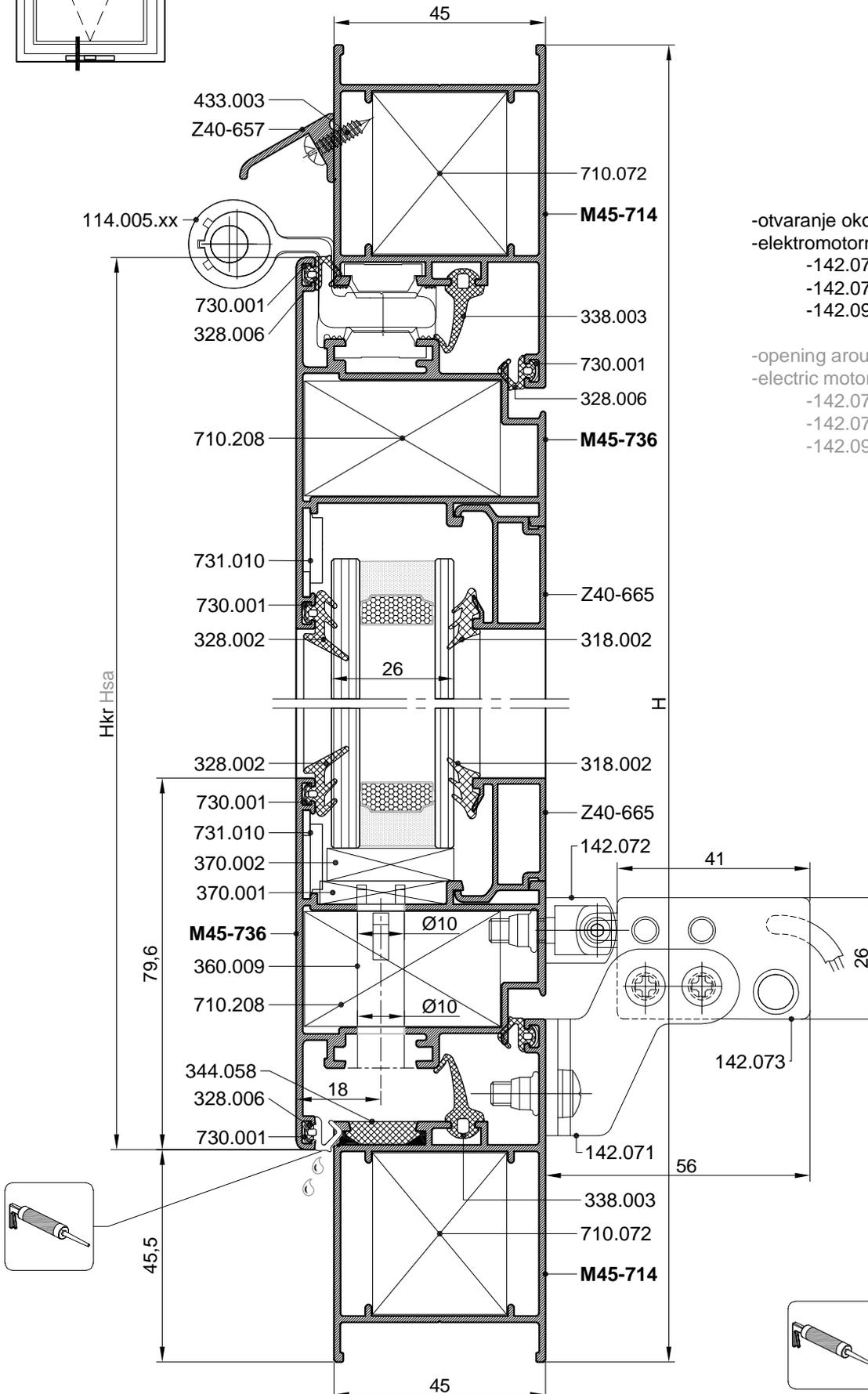
135.042





OTKLOPNI PROZOR - VENTUS sa elektromotorom - otvaranje vani
TILT WINDOW - VENTUS with electric motor - outward opening

Krilo : M45-736
Sash : M45-736



- otvaranje oko gornje ose
- elektromotorni pogon
 - 142.073 - hod motora 200 mm
 - 142.074 - hod motora 300 mm
 - 142.094 - hod motora 400 mm
- opening around the top axis
- electric motor drive
 - 142.073 - stroke length 200 mm
 - 142.074 - stroke length 300 mm
 - 142.094 - stroke length 400 mm

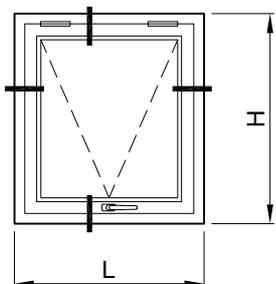

 ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

Jednokrilni prozor:

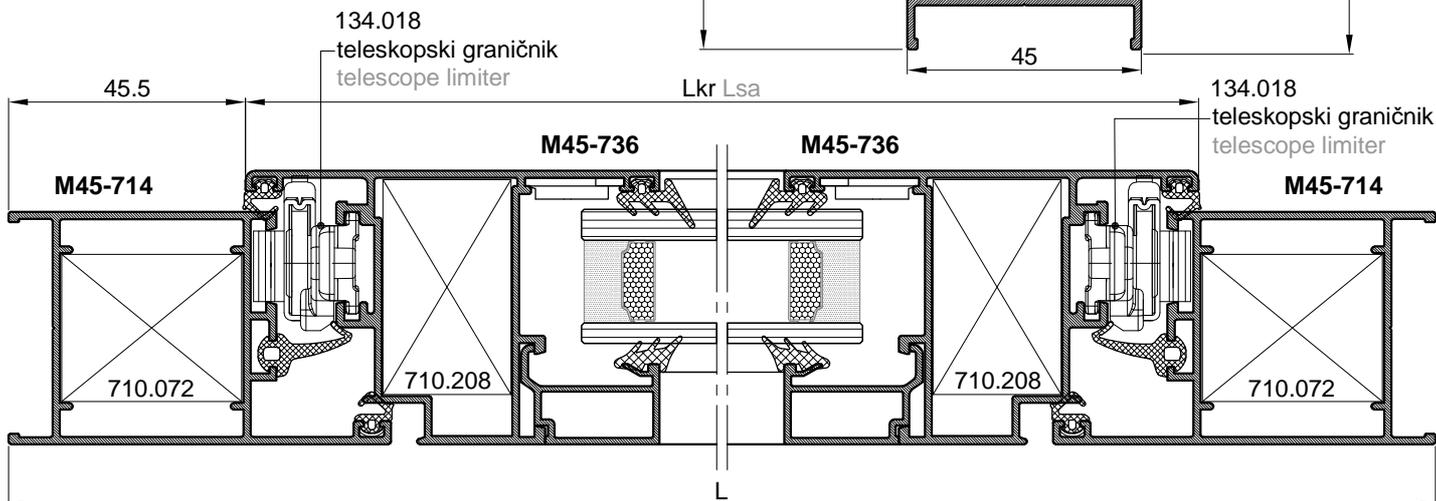
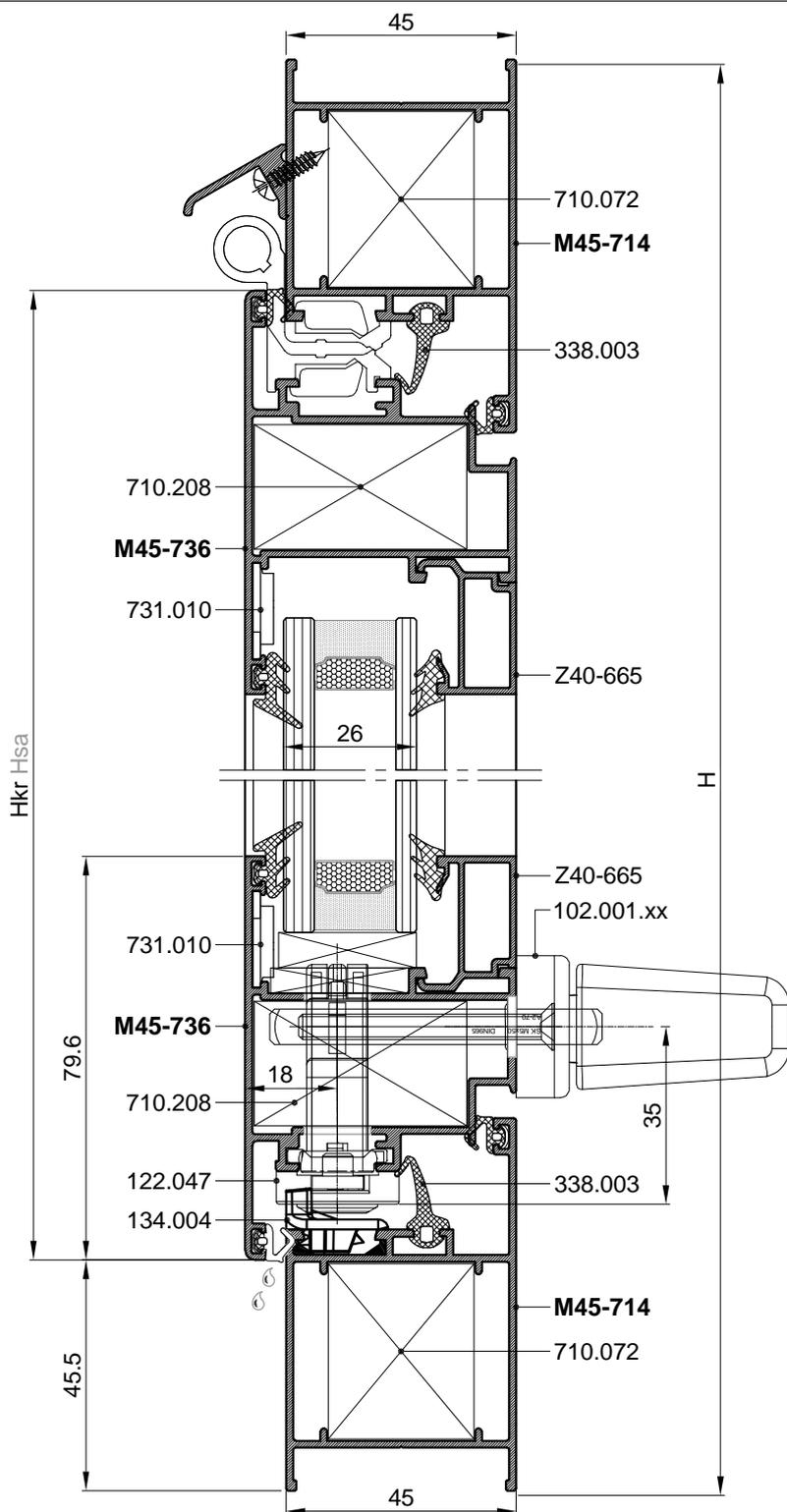
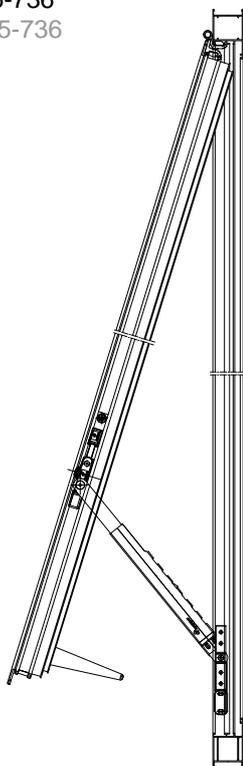
- otvaranje vani oko gornje vodoravne ose

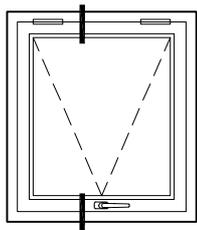
Single casement window:

- outward opening around the top horizontal axis



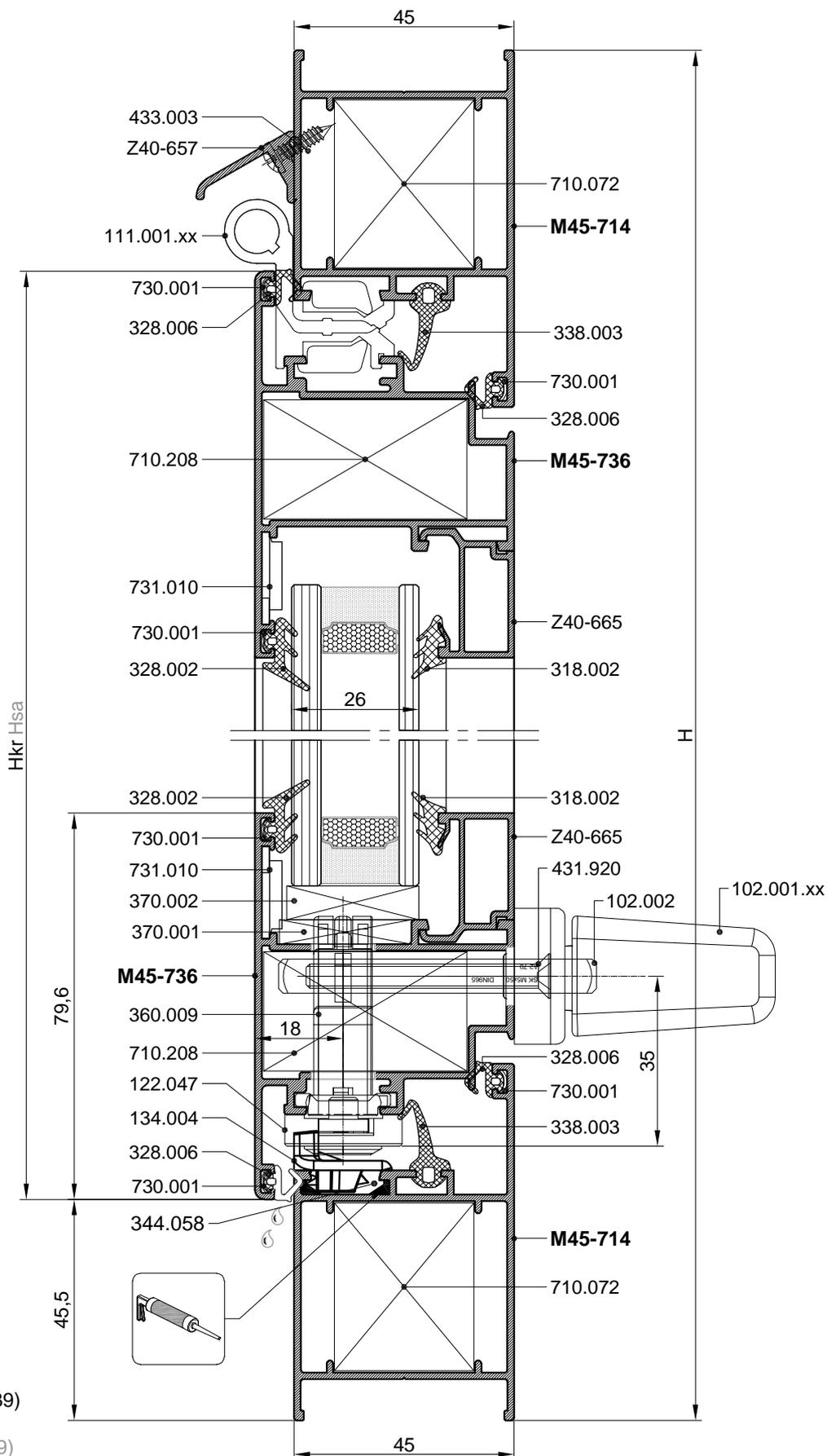
Krilo : M45-736
Sash : M45-736





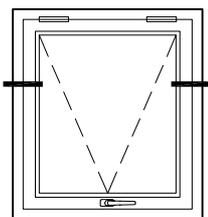
Krilo : M45-736
Sash : M45-736

OTKLOPNI PROZOR - VENTUS - otvaranje vani oko gornje vodoravne ose
TILT WINDOW - VENTUS - outward opening around the top horizontal axis

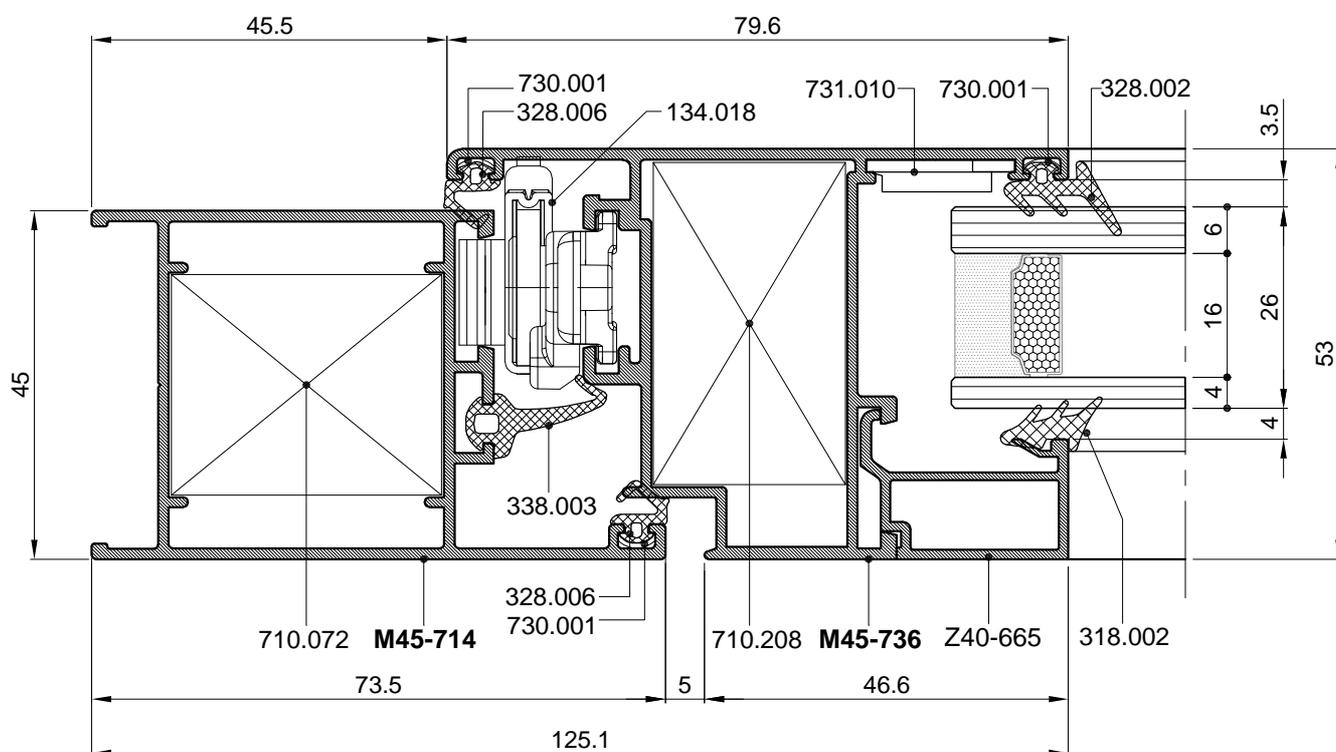


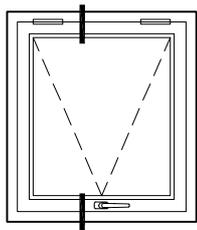
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

OTKLOPNI PROZOR - VENTUS - otvaranje vani oko gornje vodoravne ose
TILT WINDOW - VENTUS - outward opening around the top horizontal axis



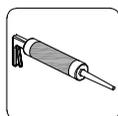
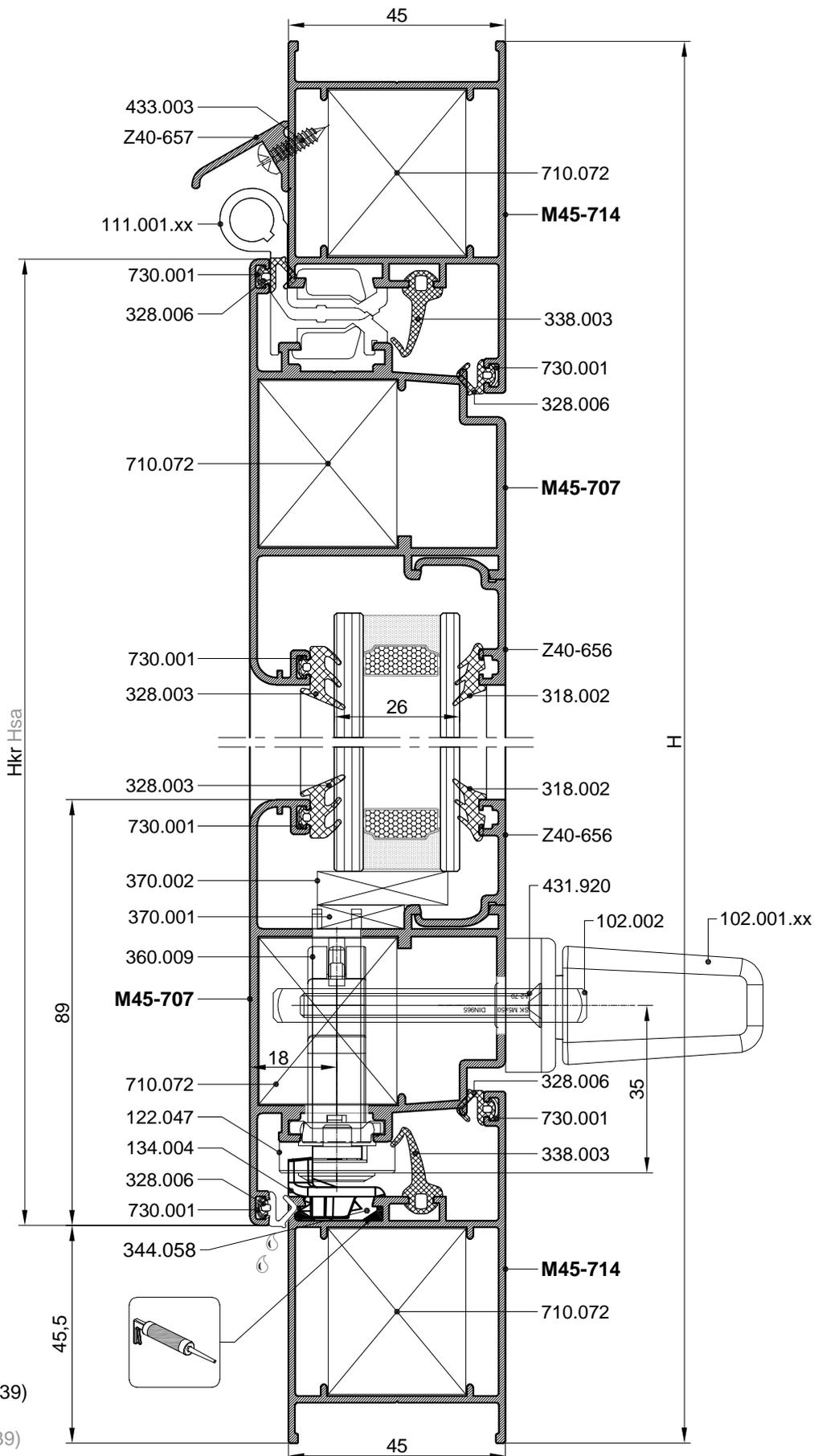
Krilo : M45-736
Sash : M45-736





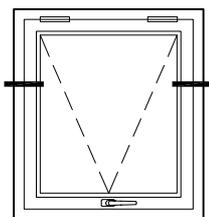
Krilo : M45-707
Sash : M45-707

OTKLOPNI PROZOR - VENTUS - otvaranje vani oko gornje vodoravne ose
TILT WINDOW - VENTUS - outward opening around the top horizontal axis

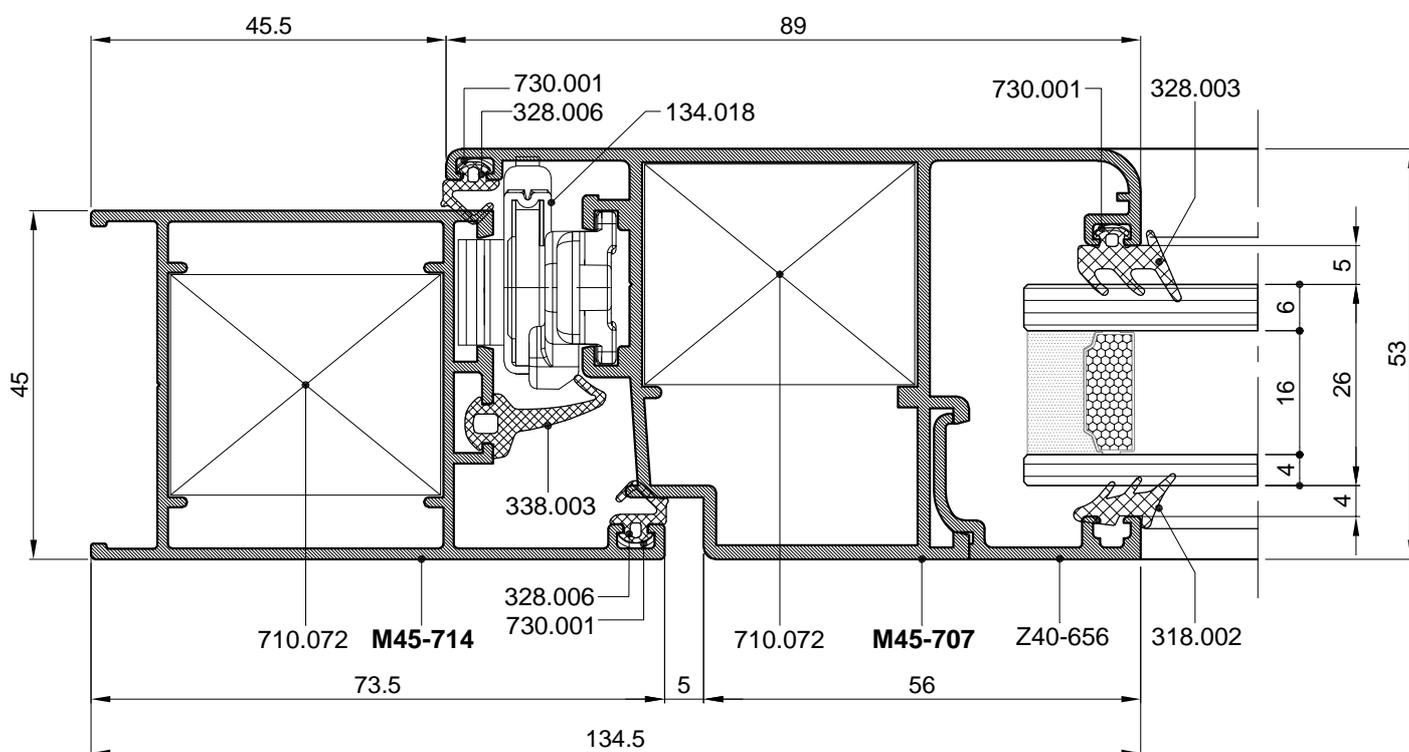


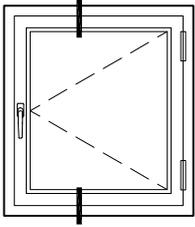
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

OTKLOPNI PROZOR - VENTUS - otvaranje vani oko gornje vodoravne ose
TILT WINDOW - VENTUS - outward opening around the top horizontal axis



Krilo : M45-707
Sash : M45-707

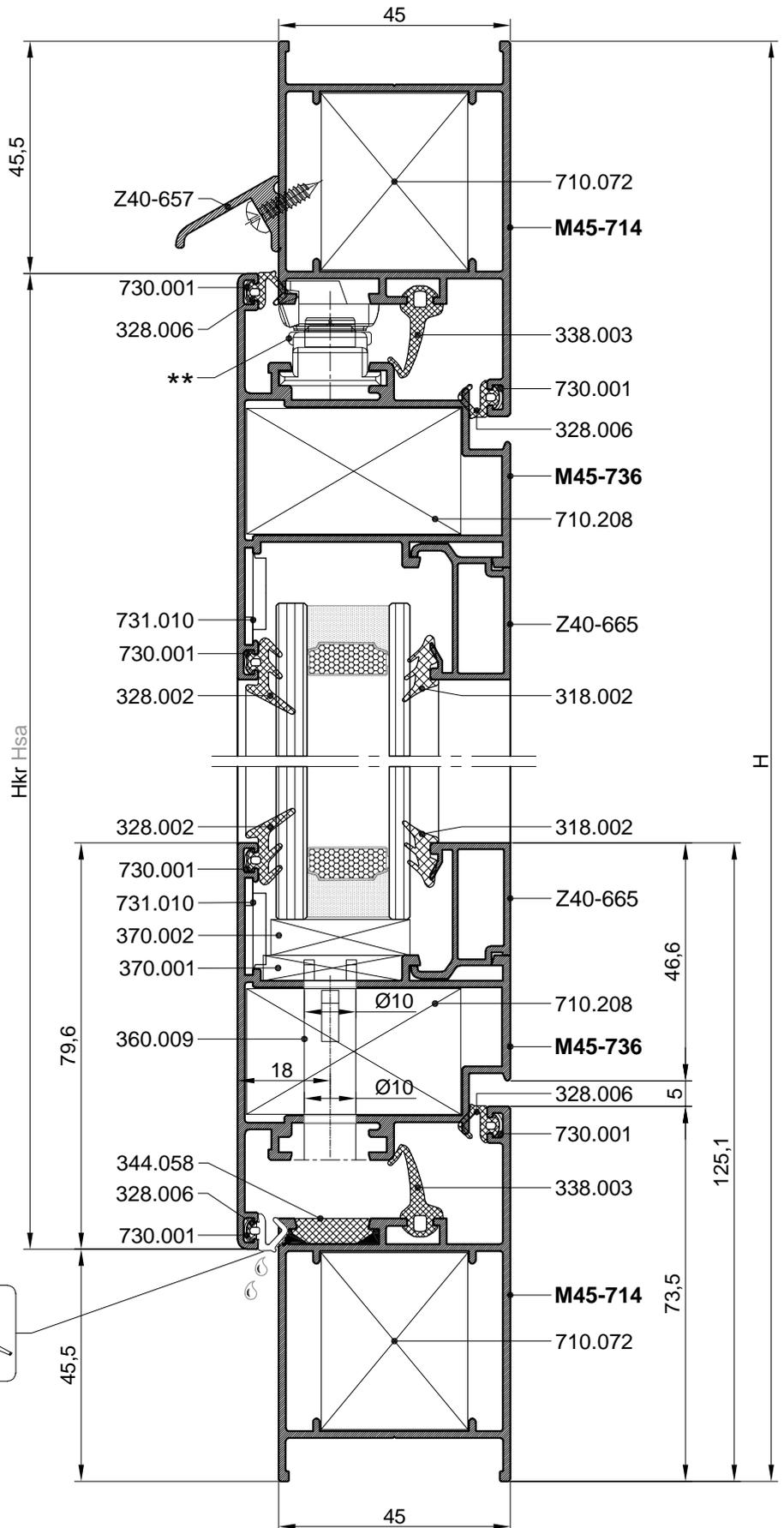




ZAKRETNI PROZOR - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW - outward opening, turn around the vertical axis

Krilo : M45-736
 Sash : M45-736

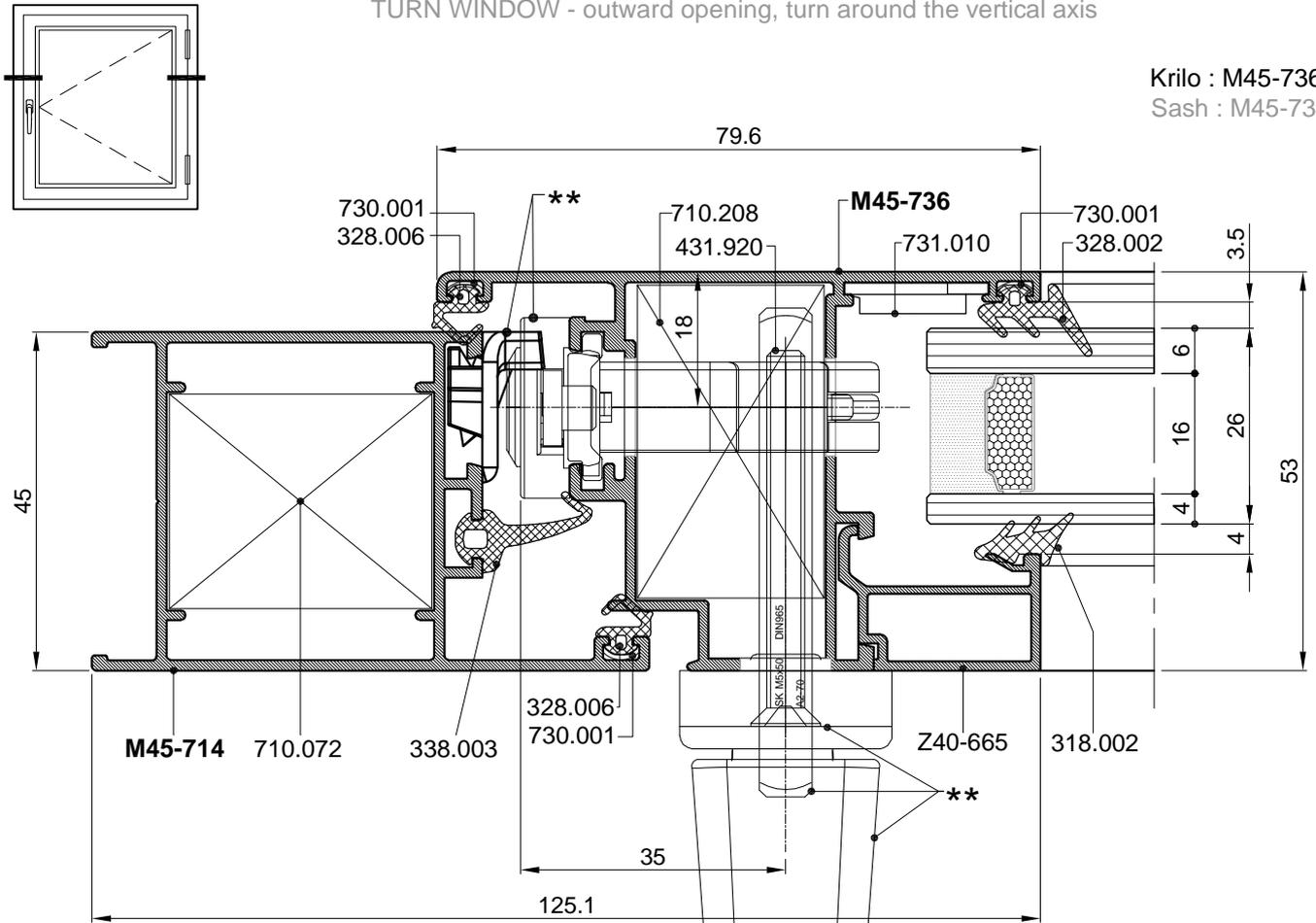
** Okov za zaokretni prozor
 - (otvaranje vani) - GU
 Hardware for side hung window
 - (outward opening) - GU



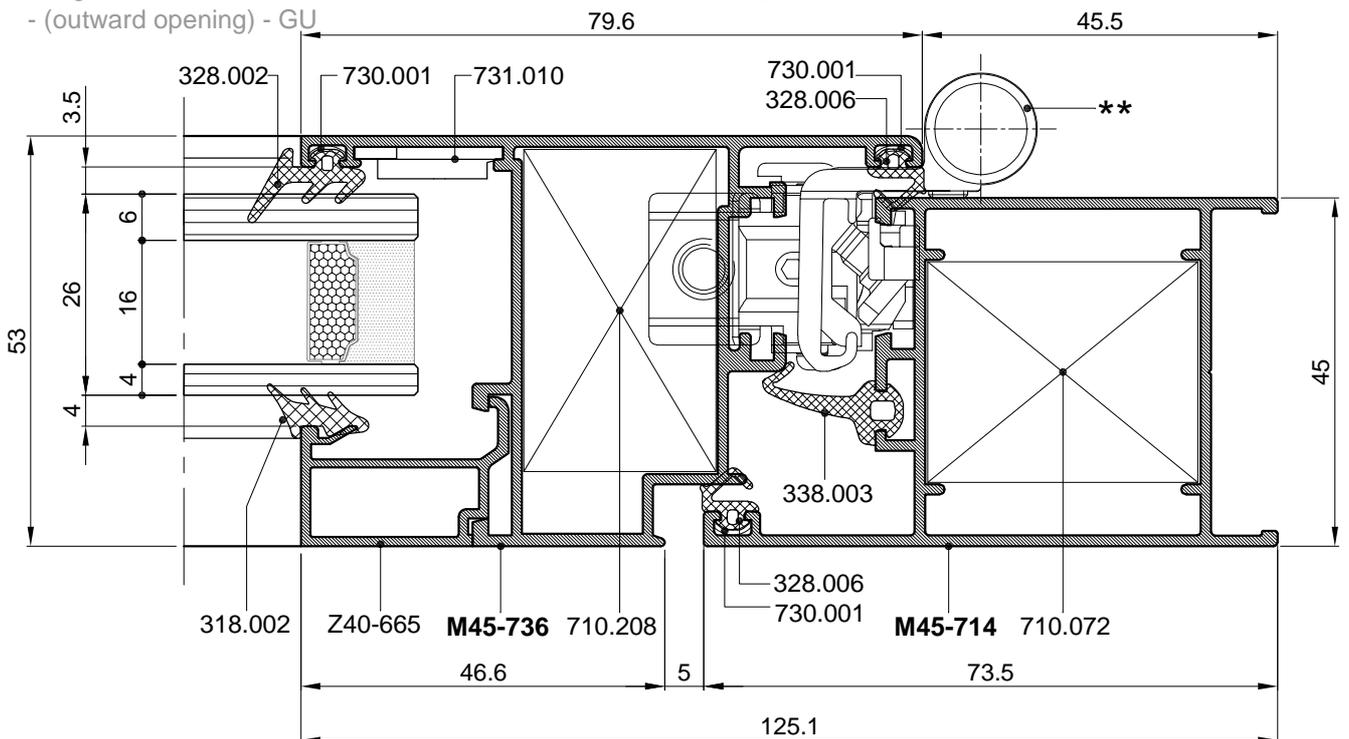
ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

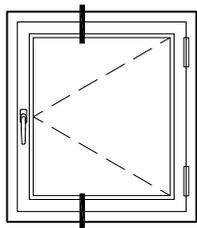
ZAOKRETNI PROZOR - otvaranje vani, zaokretno oko okomite ose TURN WINDOW - outward opening, turn around the vertical axis

Krilo : M45-736
Sash : M45-736



** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for side
hung window
- (outward opening) - GU

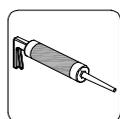
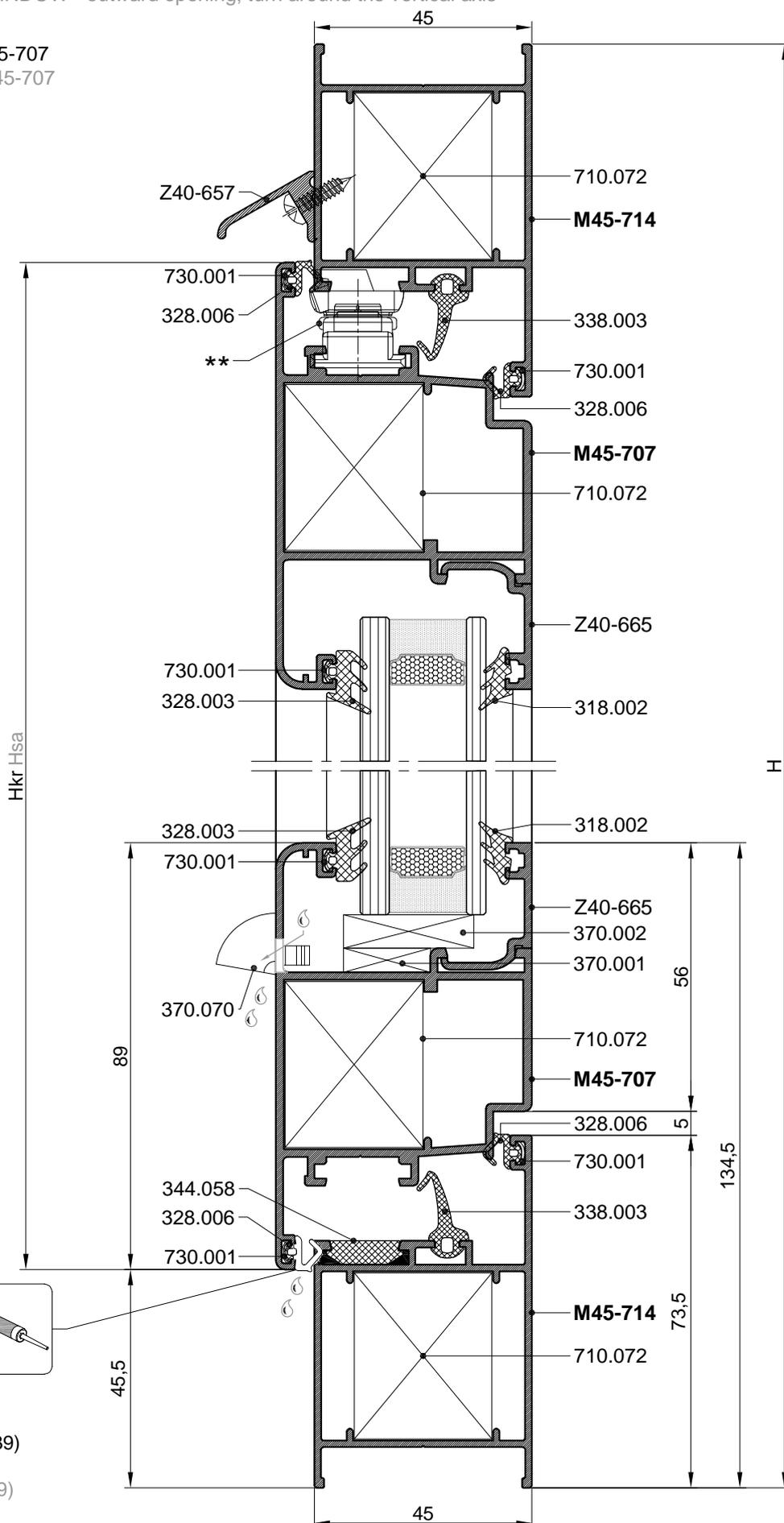




ZAKRETNI PROZOR - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW - outward opening, turn around the vertical axis

Krilo : M45-707
 Sash : M45-707

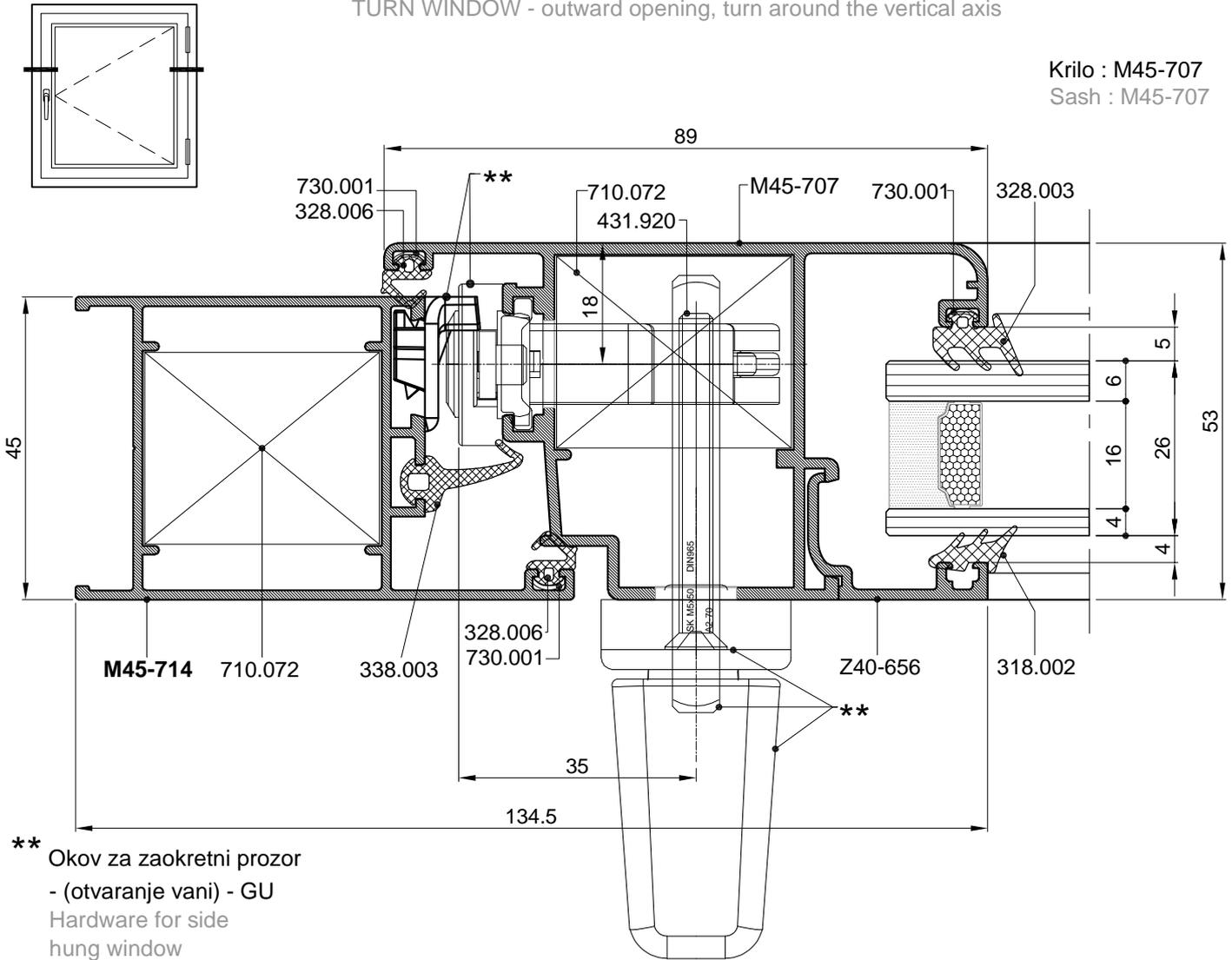
** Okov za zaokretni prozor
 - (otvaranje vani) - GU
 Hardware for side hung window
 - (outward opening) - GU



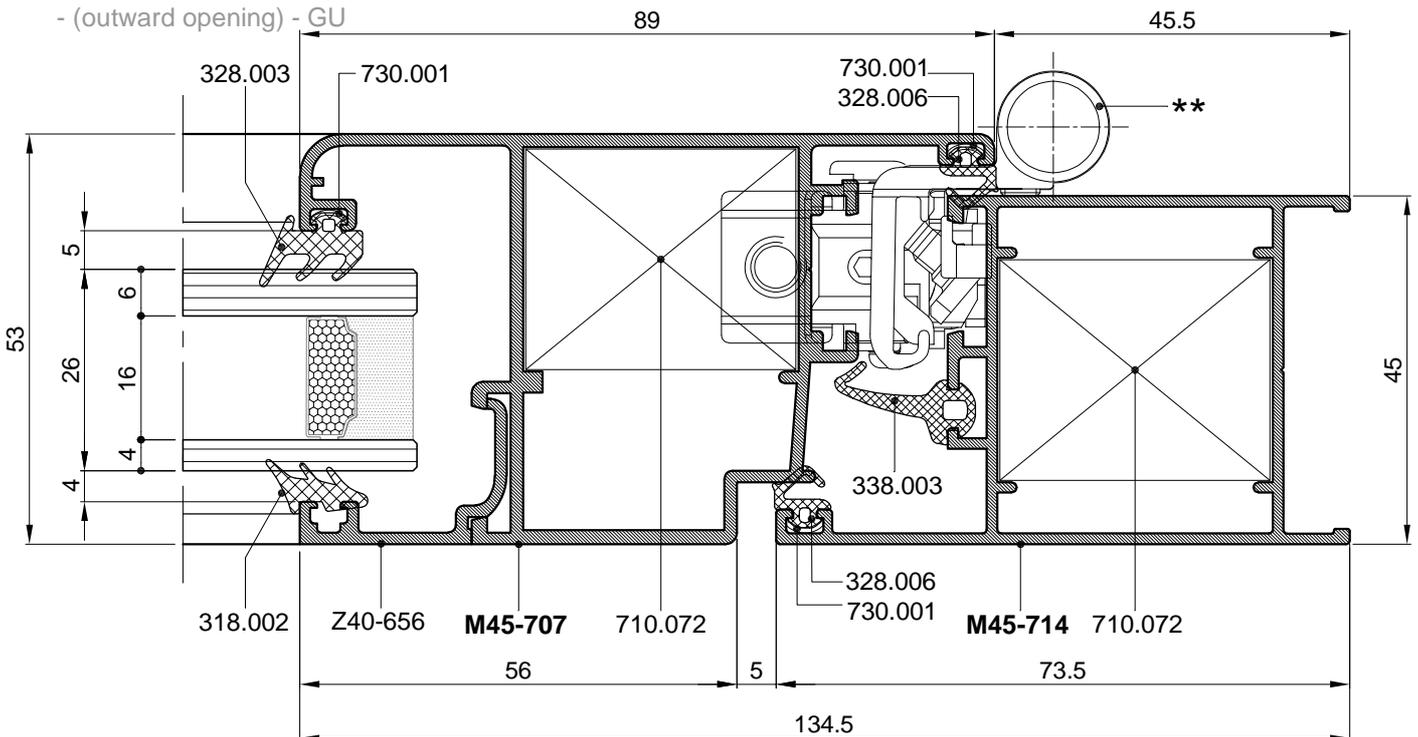
ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

ZAKRETNI PROZOR - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW - outward opening, turn around the vertical axis

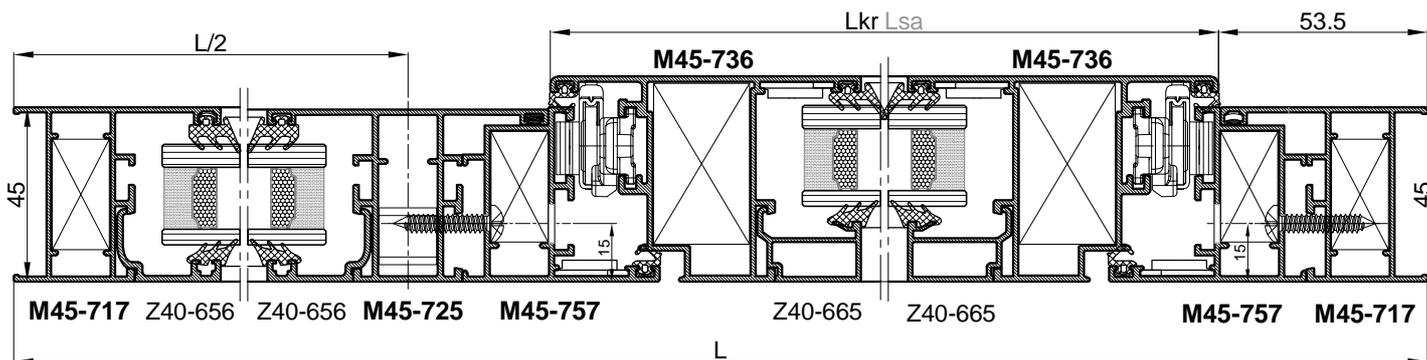
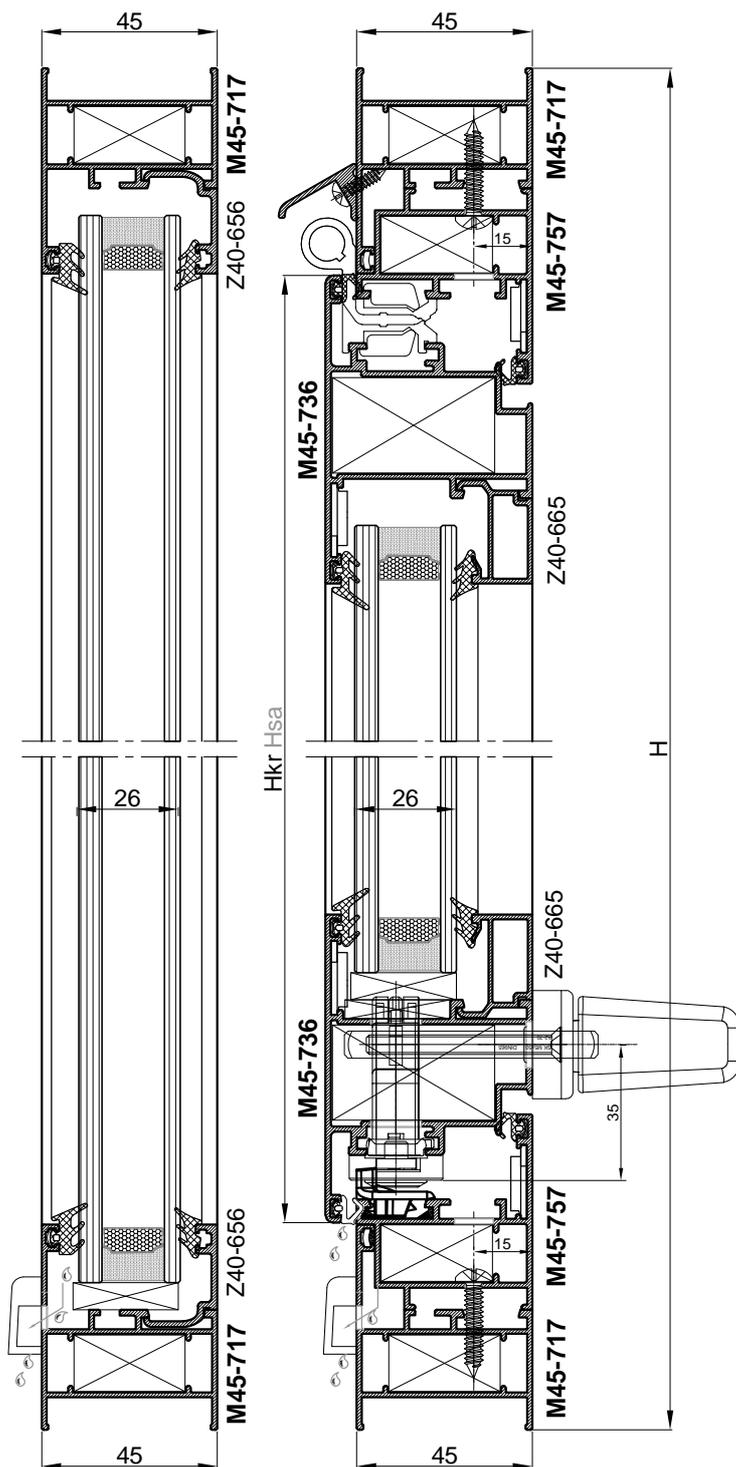
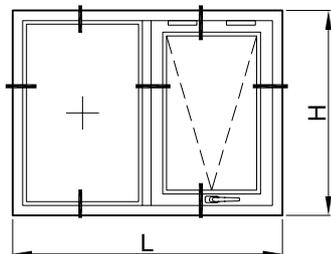
Krilo : M45-707
Sash : M45-707

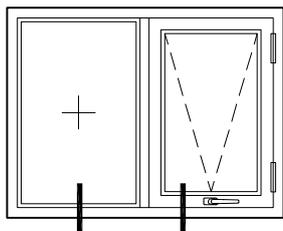


** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for side
hung window
- (outward opening) - GU



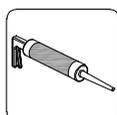
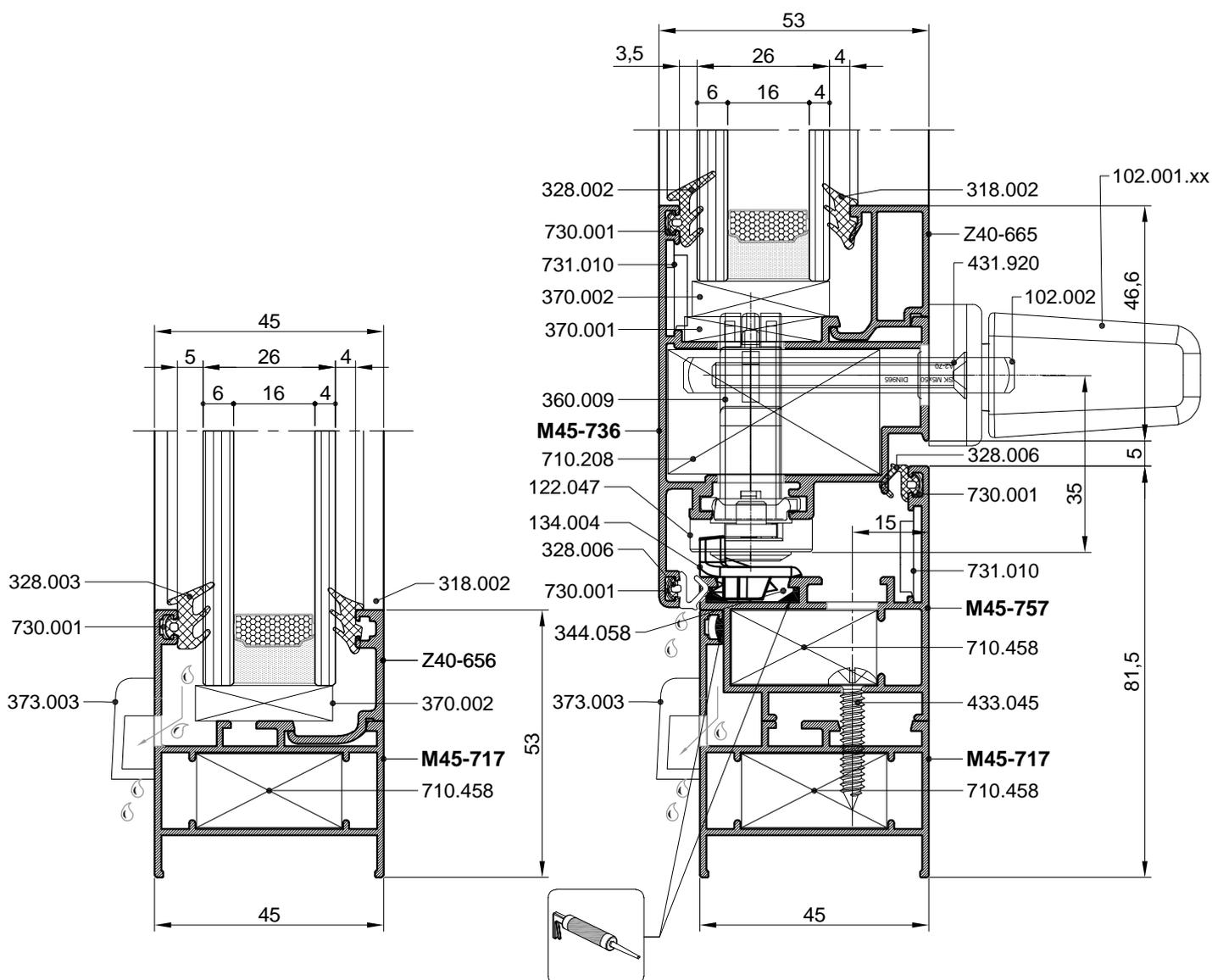
Jednokrilni prozor s fiksnim dijelom:
 - otvaranje vani oko gornje vodoravne ose
 Single casement window with fixed part:
 - outward opening around the top horizontal axis



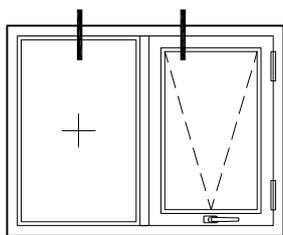


JEDNOKRILNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, oko gornje vodoravne ose
SINGLE CASEMENT WINDOW WITH FIXED PART: outward opening around the top horizontal axis

Krilo : M45-736
Sash : M45-736

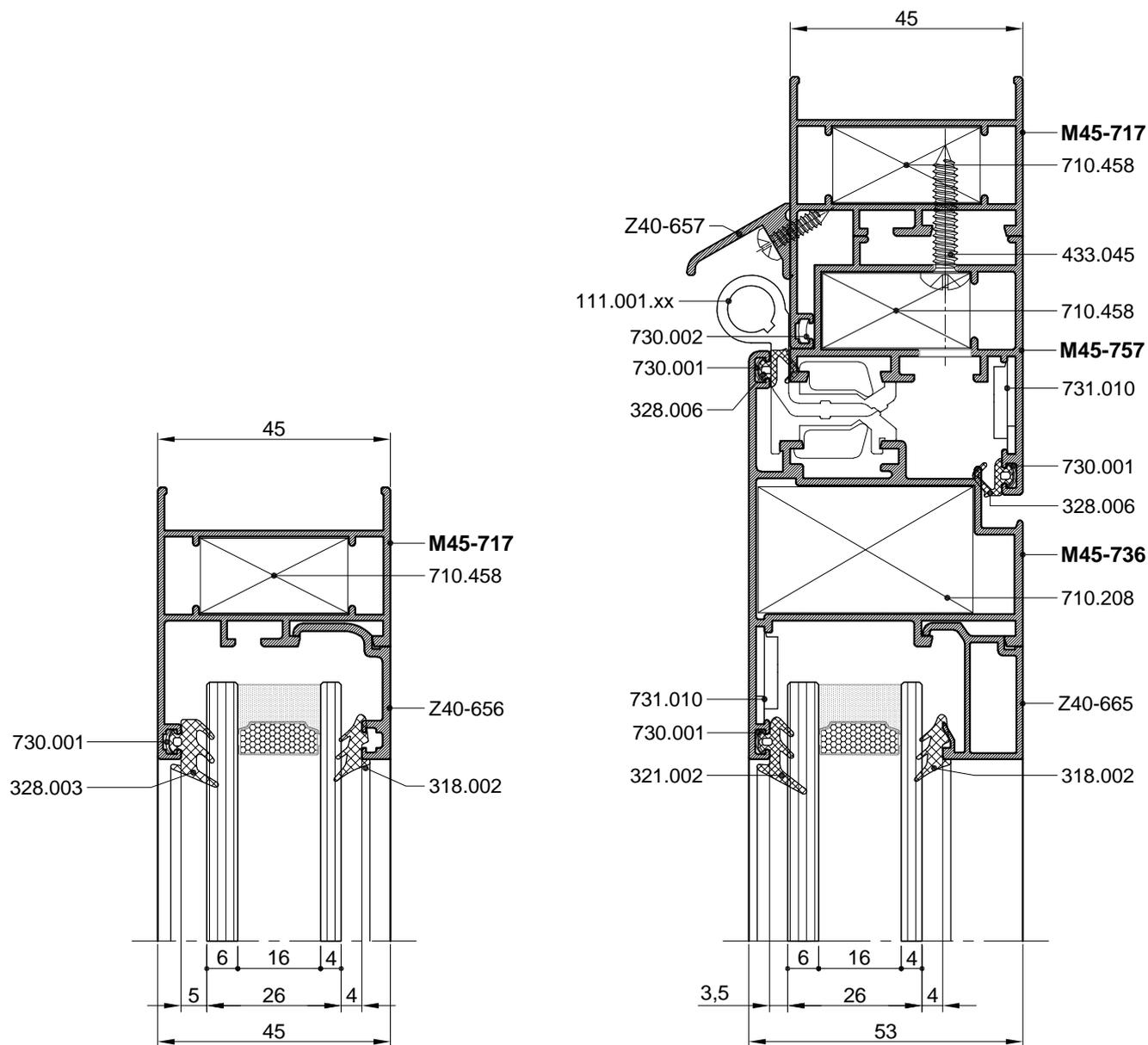


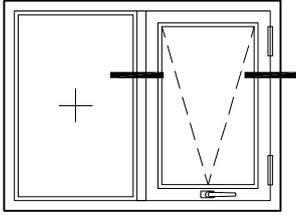
ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)



JEDNOKRILNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, oko gornje vodoravne ose
 SINGLE CASEMENT WINDOW WITH FIXED PART: outward opening around the top horizontal axis

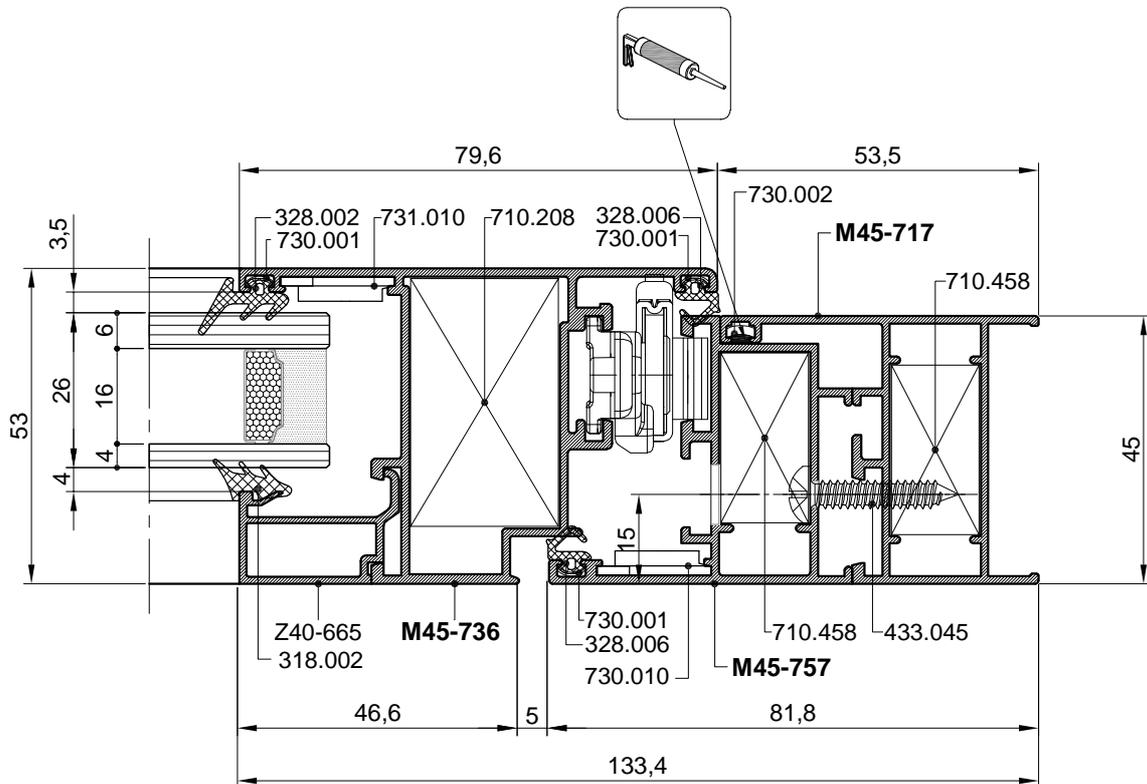
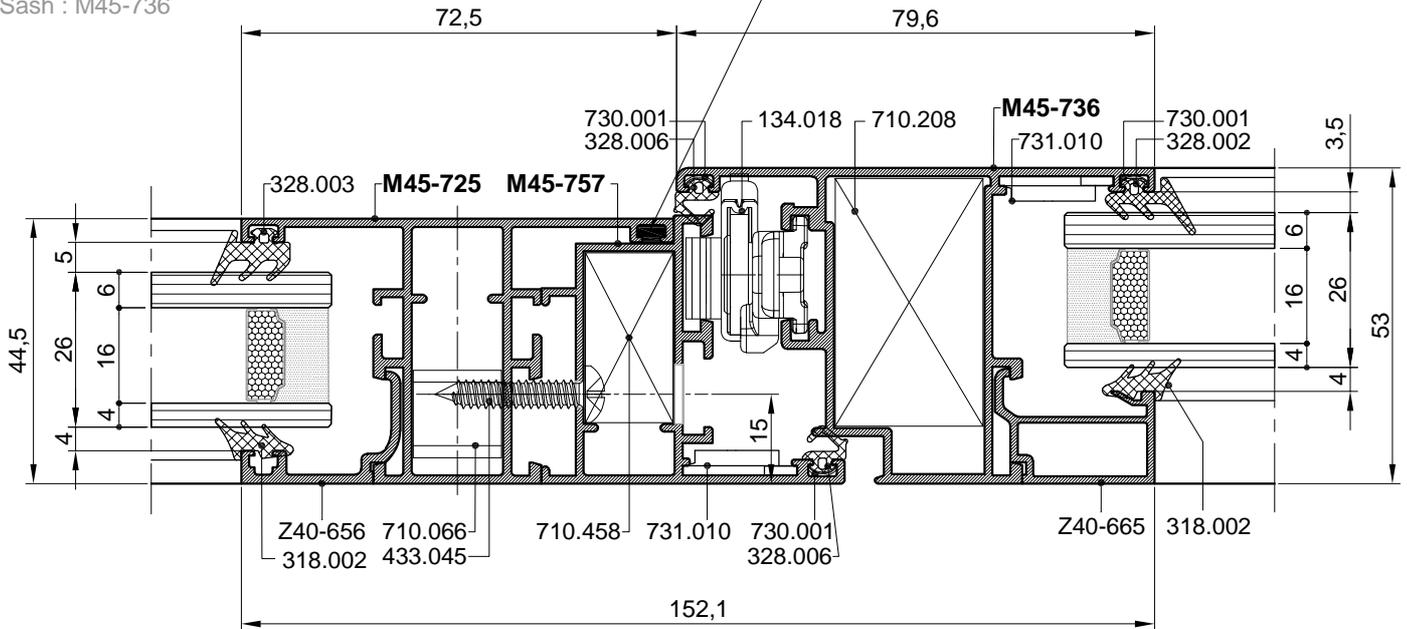
Krilo : M45-736
 Sash : M45-736



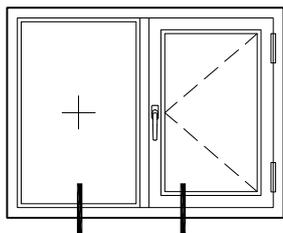


JEDNOKRILNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, oko gornje vodoravne ose
 SINGLE CASEMENT WINDOW WITH FIXED PART: outward opening around the top horizontal axis

Krilo : M45-736
 Sash : M45-736

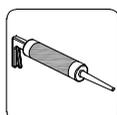
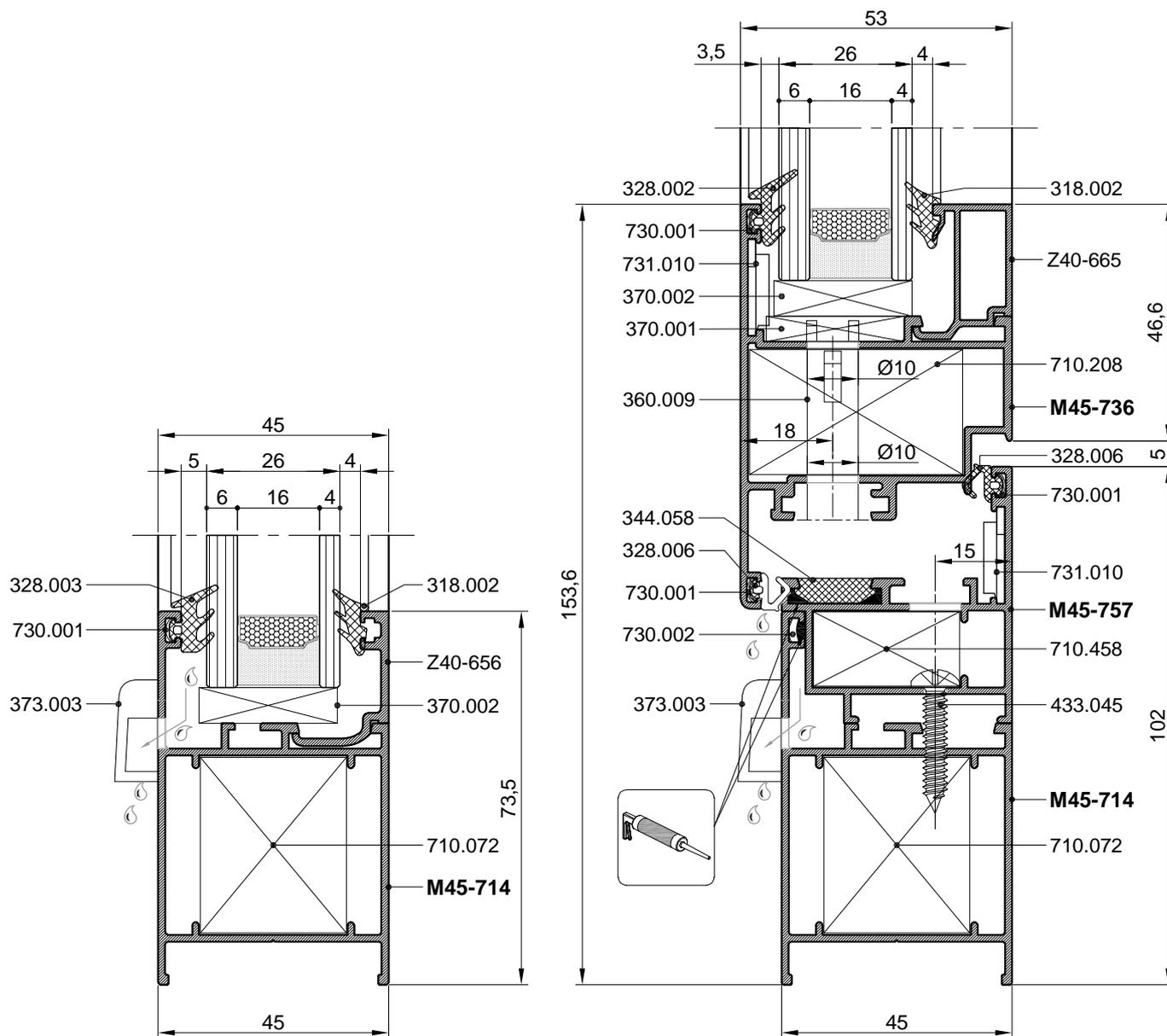


ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

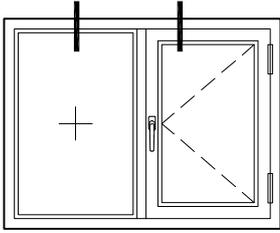


ZAKRETNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW WITH FIXED PART - outward opening, turn around the vertical axis

Krilo : M45-736
 Sash : M45-736



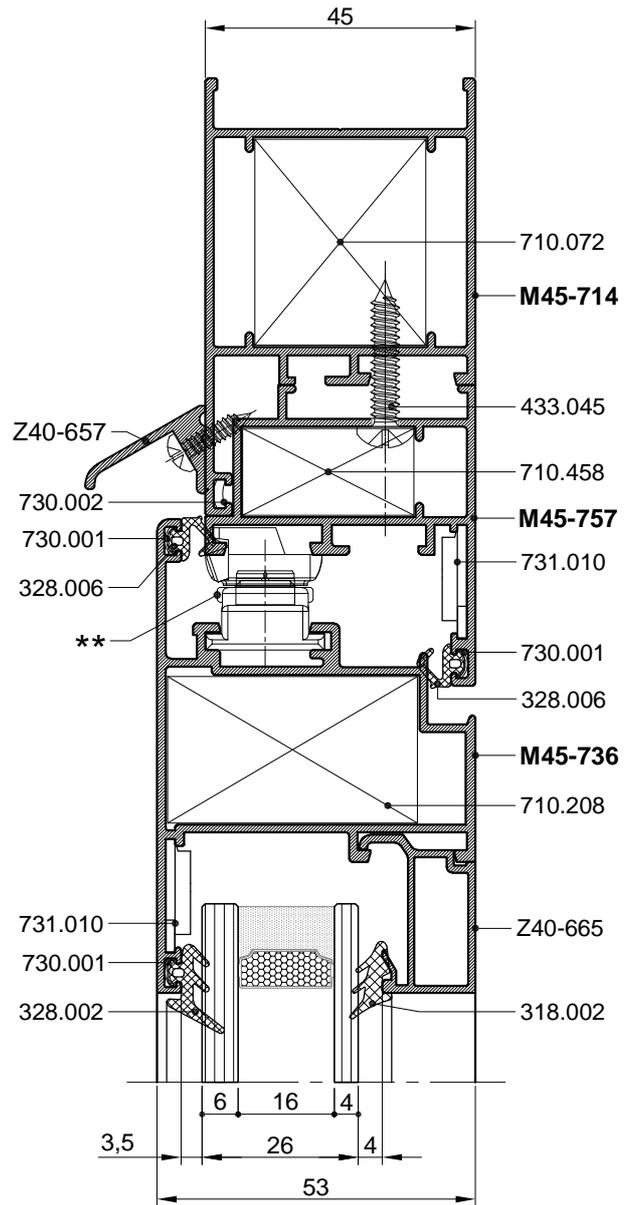
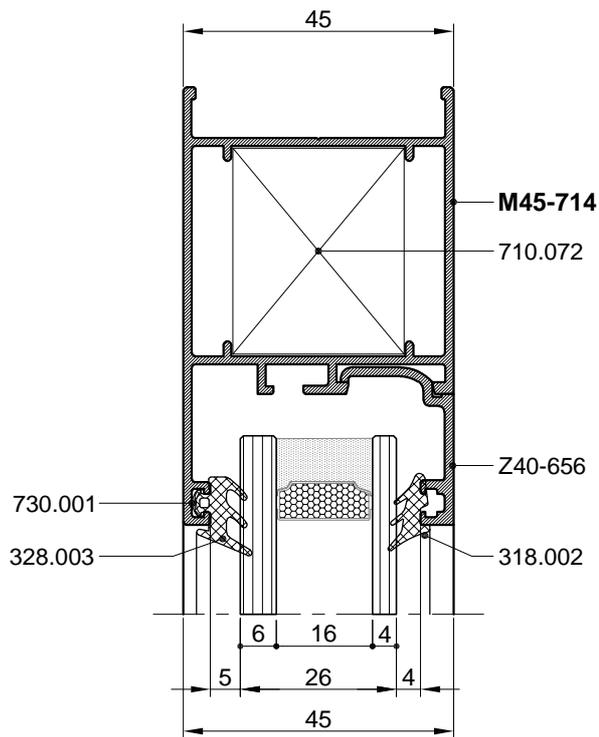
ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

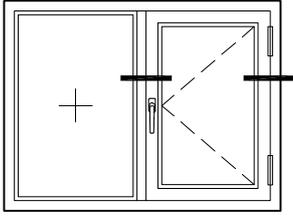


ZAKRETNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW WITH FIXED PART - outward opening, turn around the vertical axis

Krilo : M45-736
 Sash : M45-736

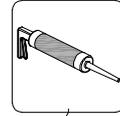
** Okov za zaokretni prozor
 - (otvaranje vani) - GU
 Hardware for side hung window
 - (outward opening) - GU



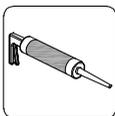
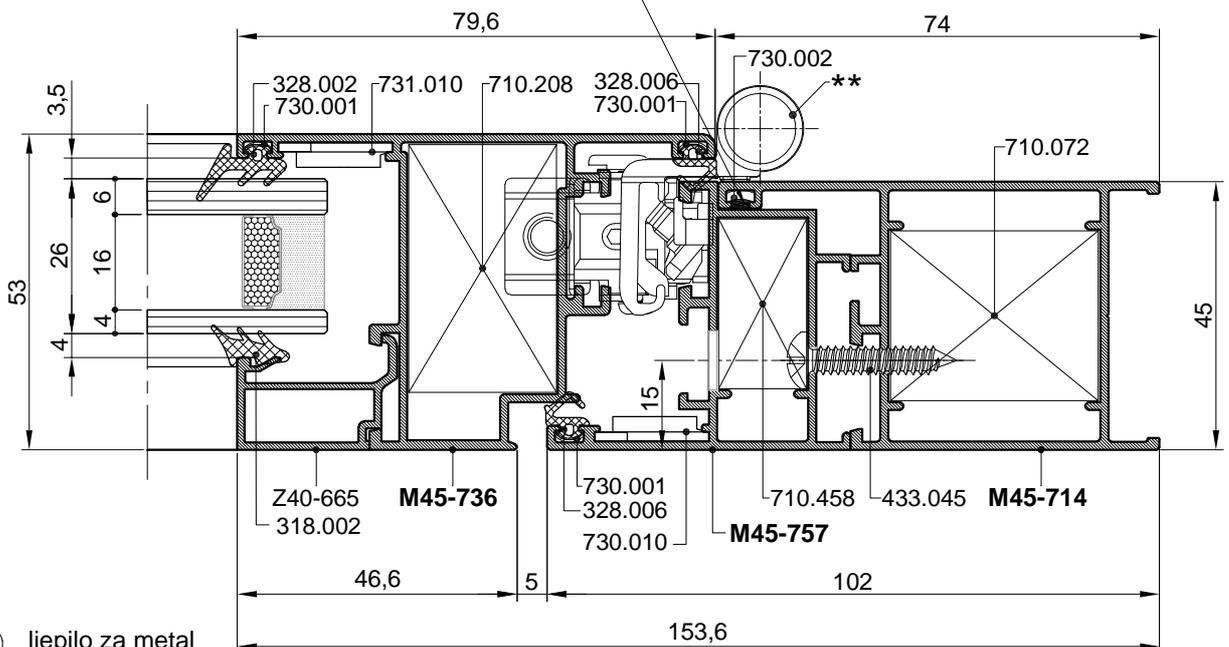
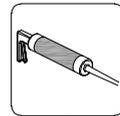
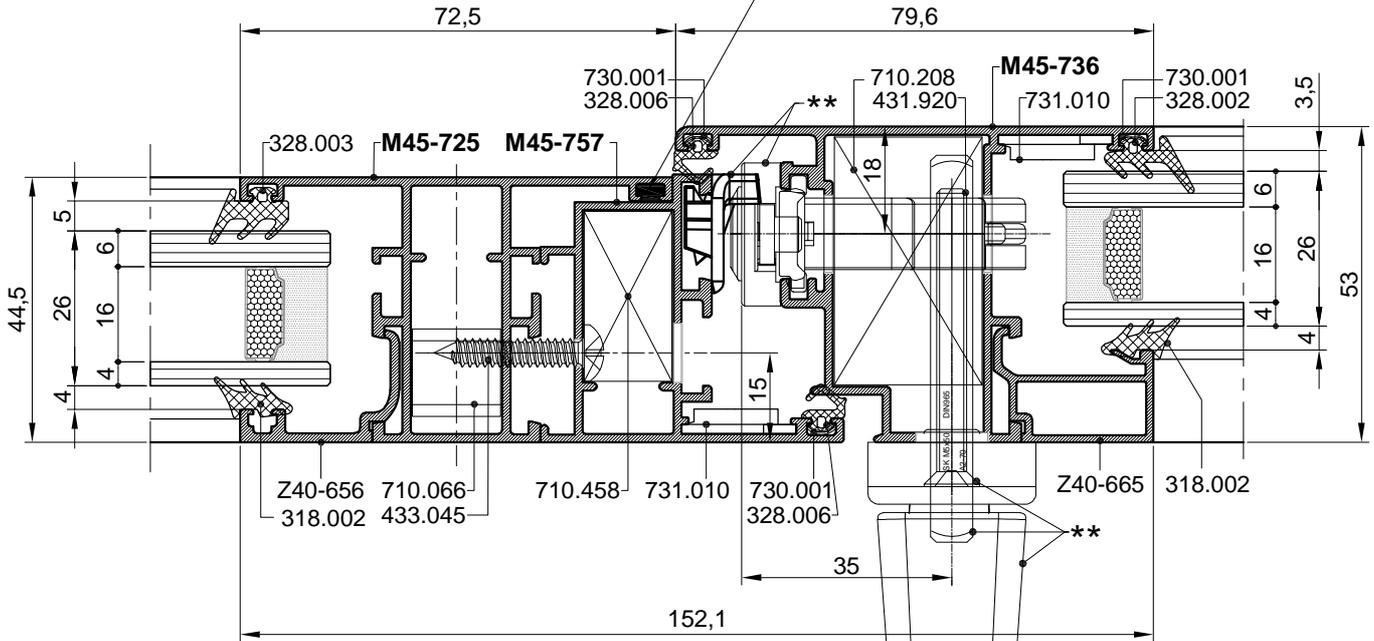


ZAKRETNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW WITH FIXED PART - outward opening, turn around the vertical axis

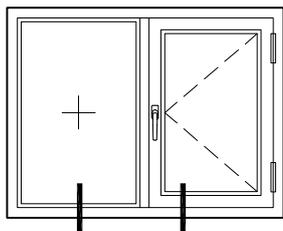
** Okov za zaokretni prozor
 - (otvaranje vani) - GU
 Hardware for side hung window
 - (outward opening) - GU



Krilo : M45-736
 Sash : M45-736

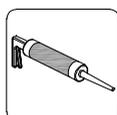
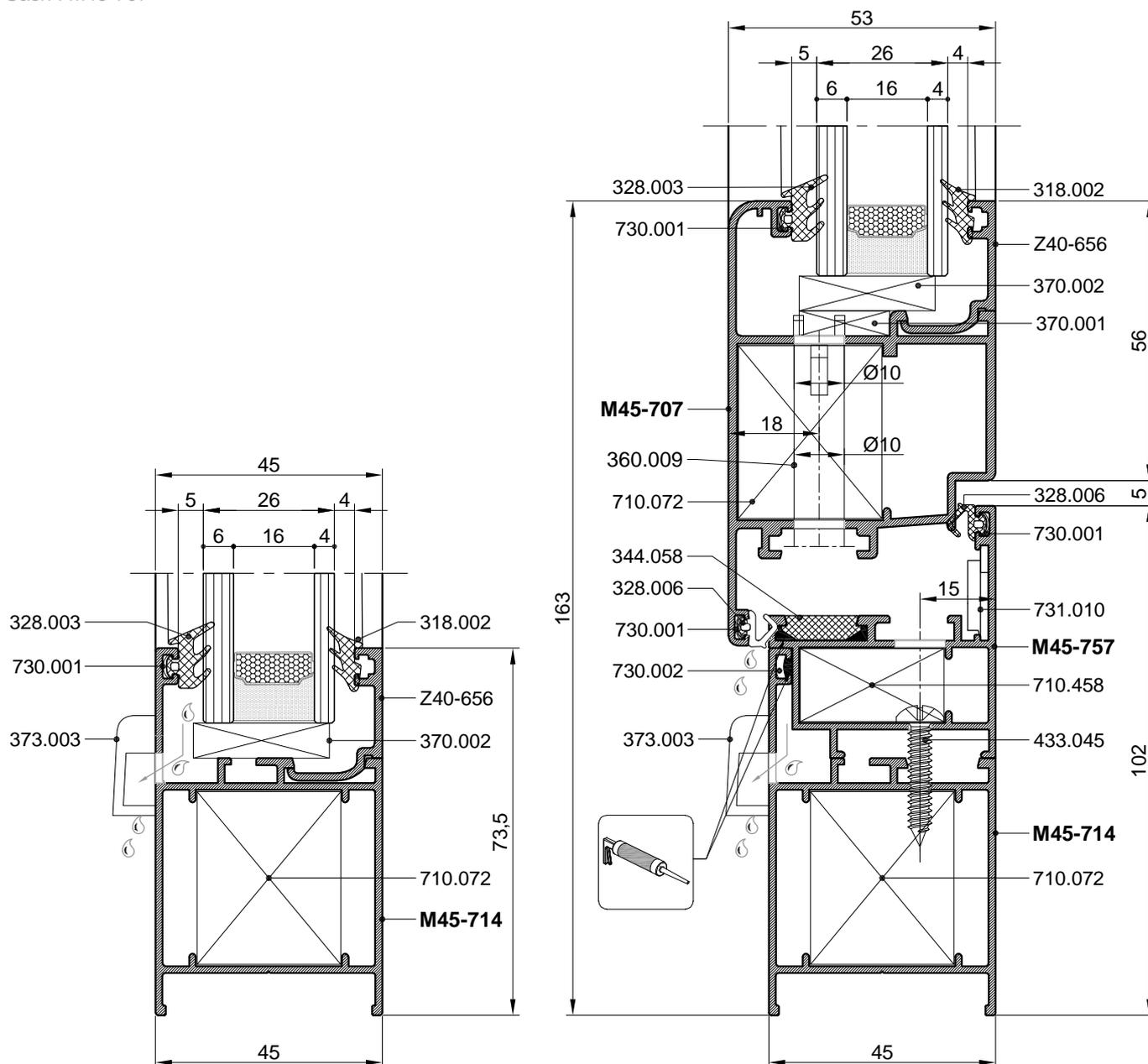


ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)

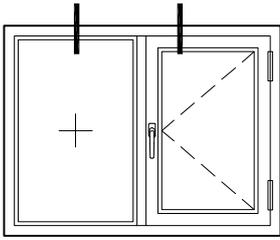


ZAKRETNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW WITH FIXED PART - outward opening, turn around the vertical axis

Krilo : M45-707
 Sash : M45-707



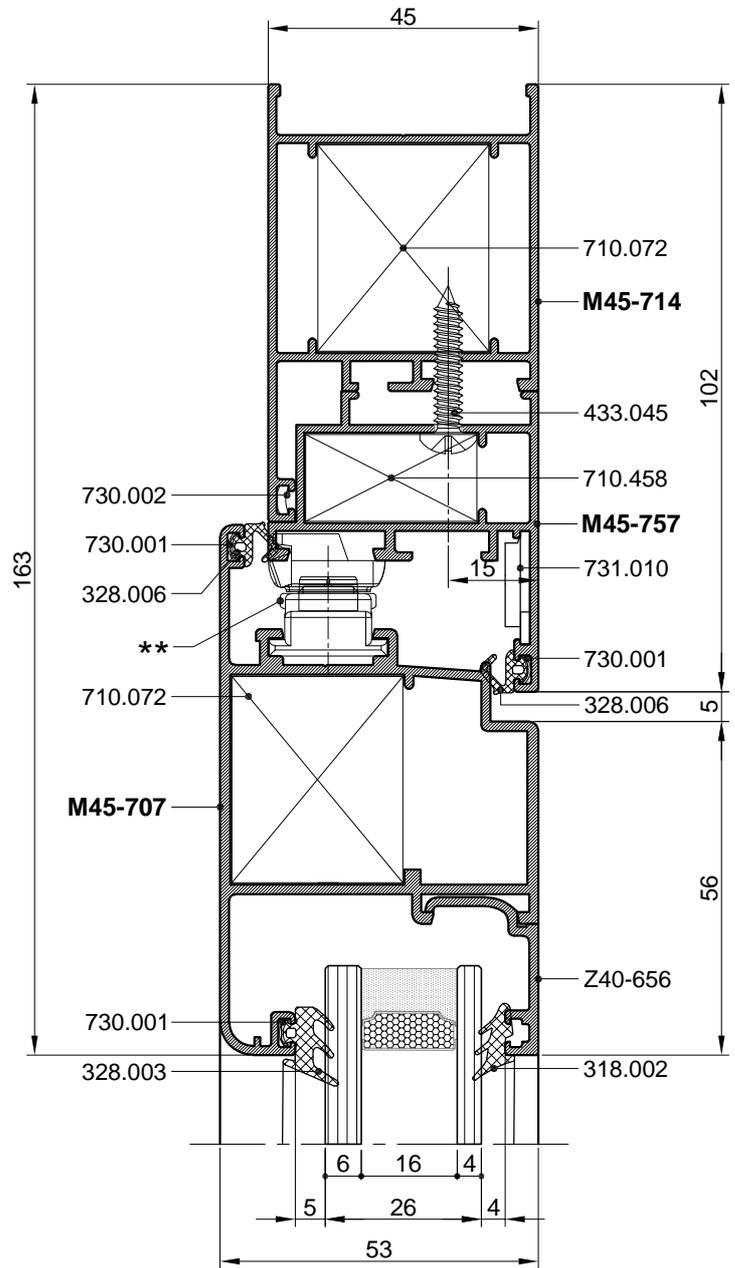
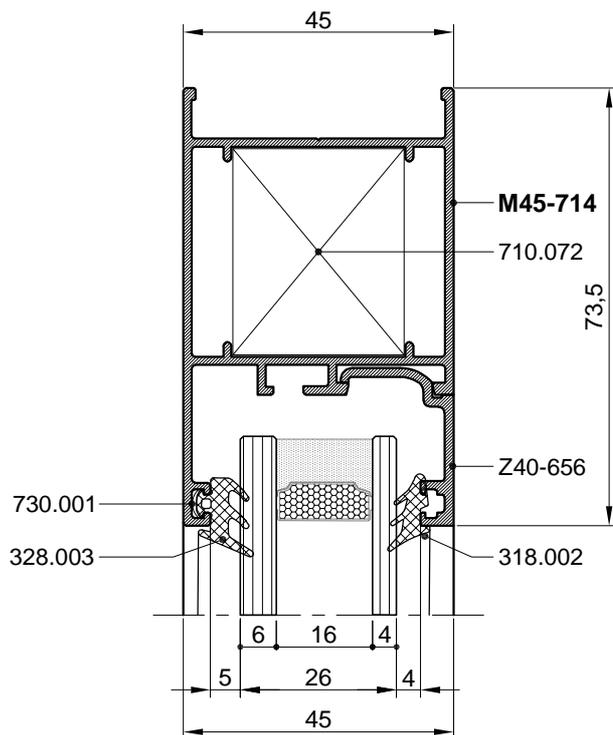
ljepilo za metal
 (npr. Teroson MS 939)
 metal glue
 (eg. Teroson MS 939)



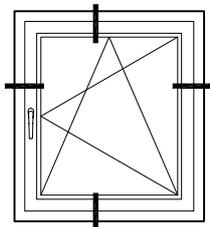
ZAOKRETNI PROZOR S FIKSNIM DIJELOM - otvaranje vani, zaokretno oko okomite ose
TURN WINDOW WITH FIXED PART - outward opening, turn around the vertical axis

Krilo : M45-707
Sash : M45-707

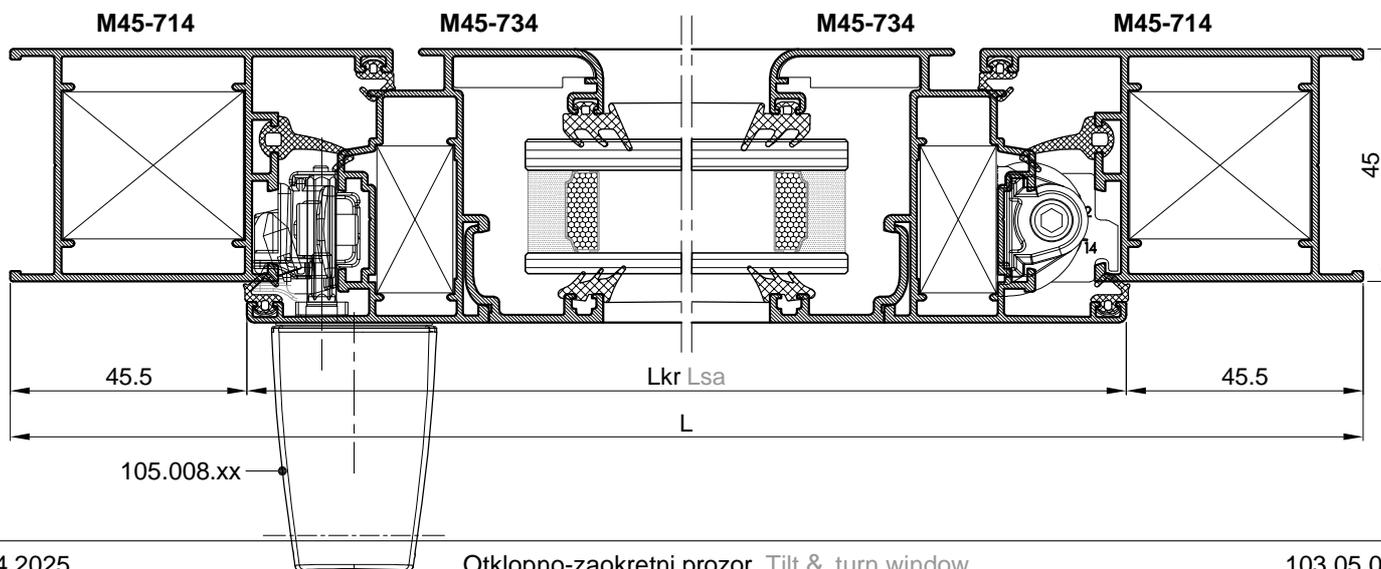
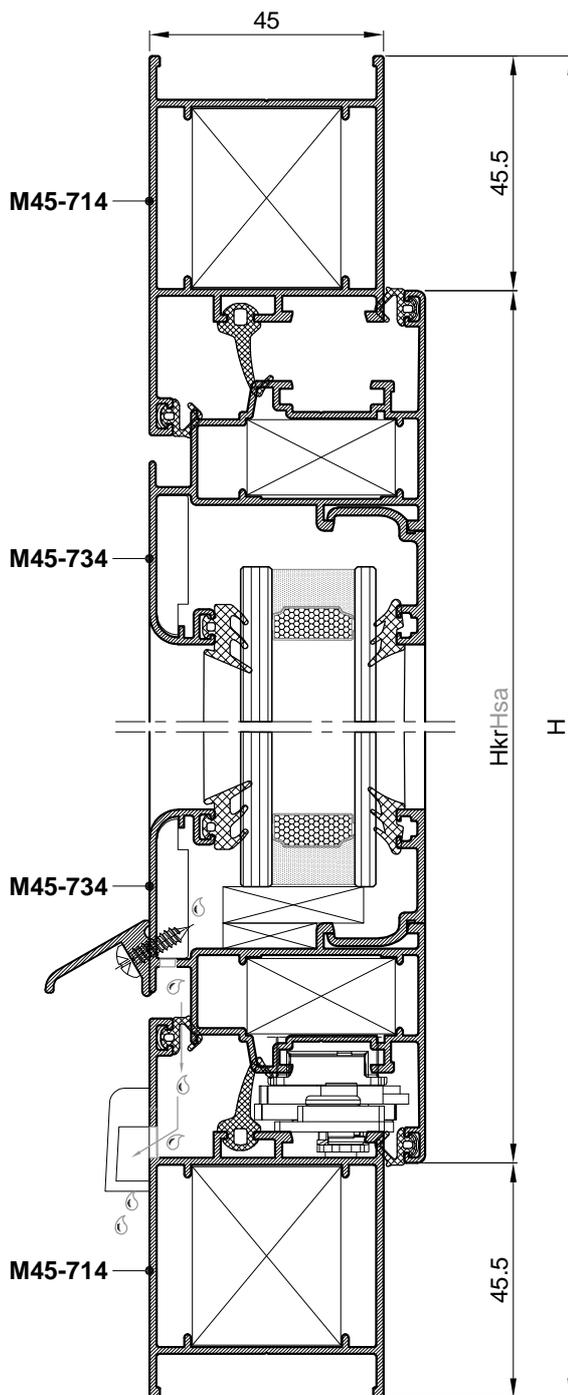
** Okov za zaokretni prozor
- (otvaranje vani) - GU
Hardware for side hung window
- (outward opening) - GU



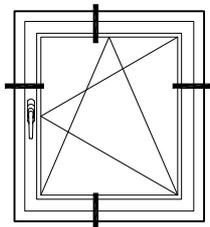
OTKLOPNO ZAOKRETNI PROZOR
TILT & TURN WINDOW



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

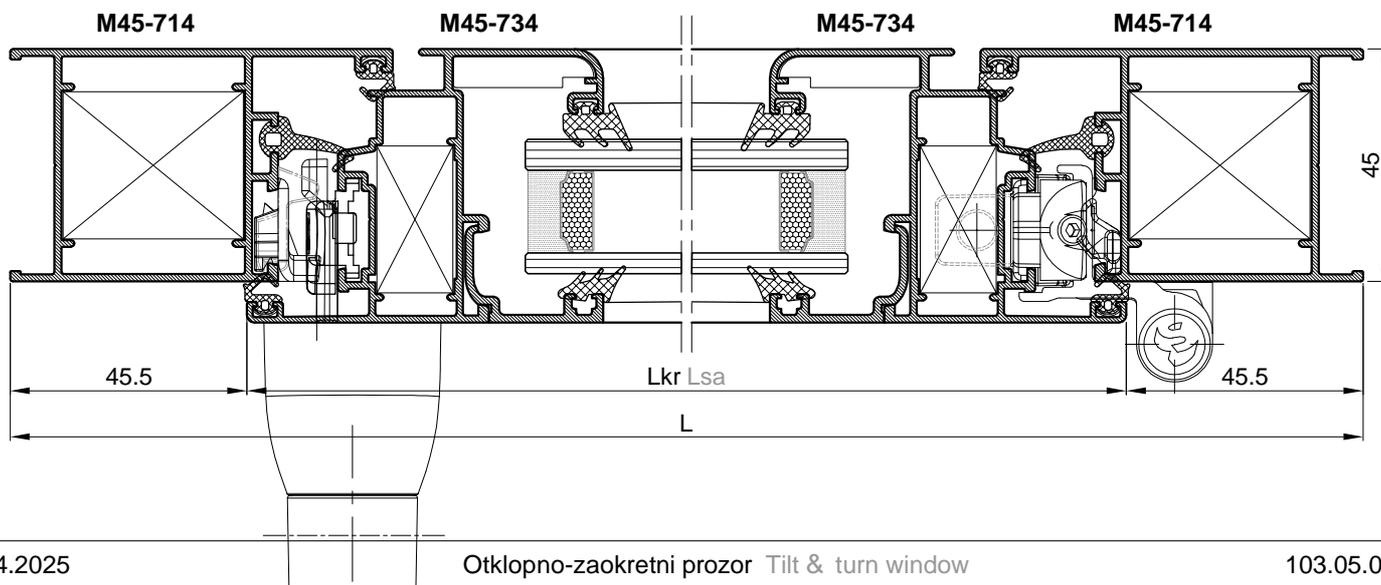
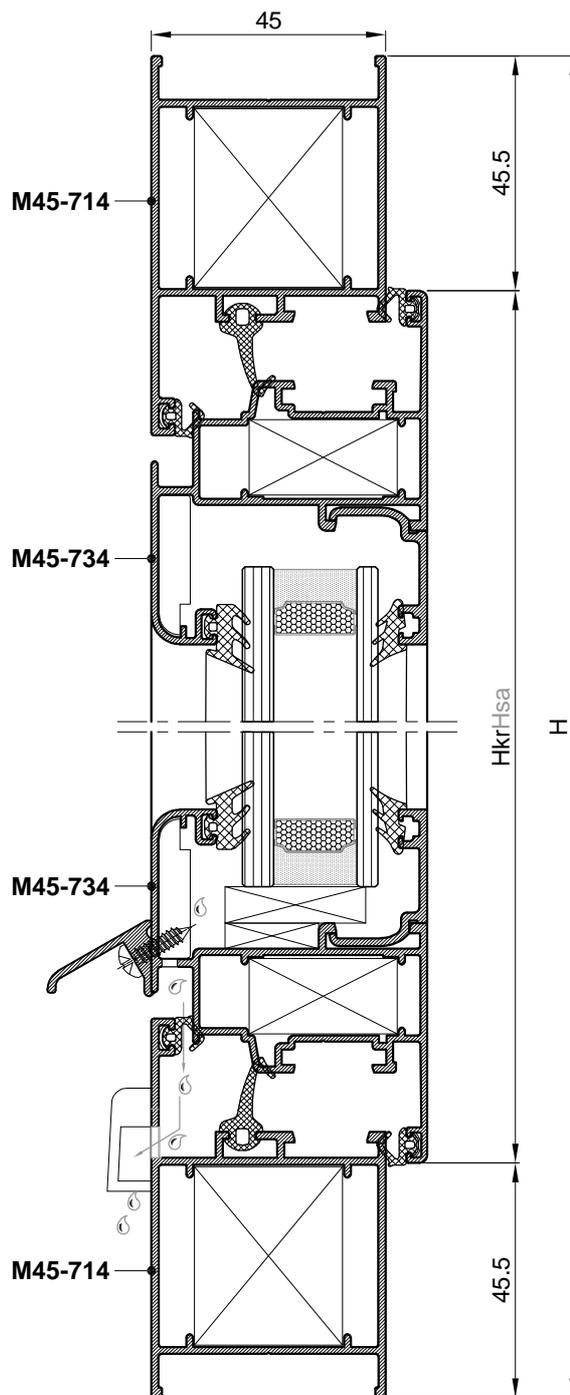
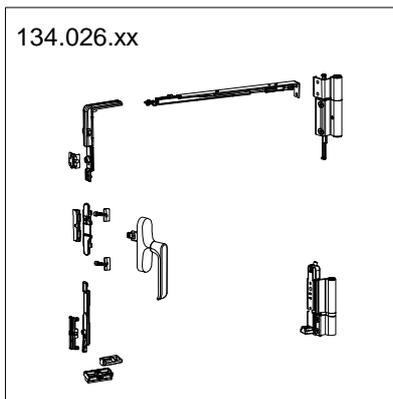


OTKLOPNO ZAOKRETNI PROZOR
TILT & TURN WINDOW

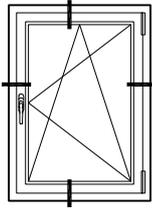


(Otklopno-zaokretni mehanizam- Stublina)
(Tilt & turn mechanism- Stublina)

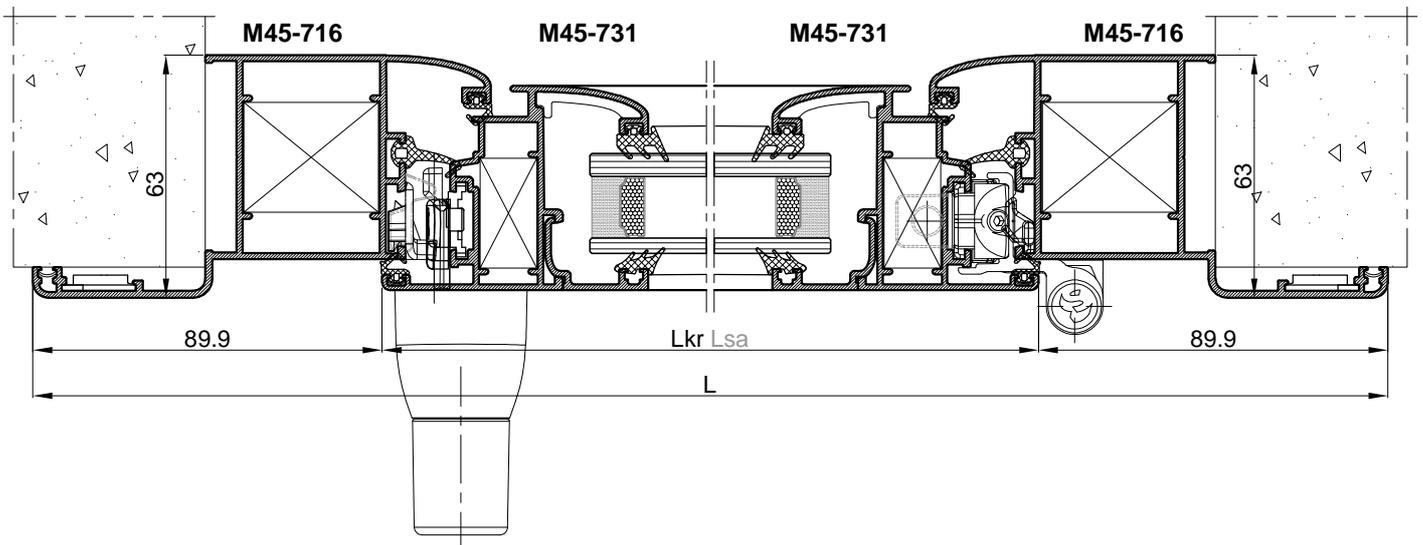
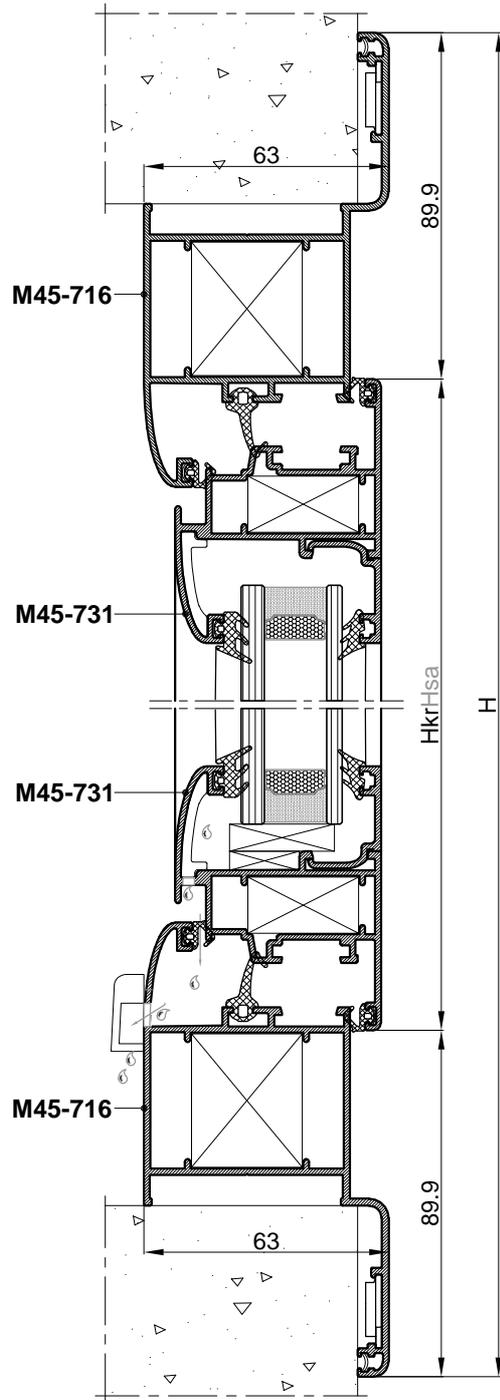
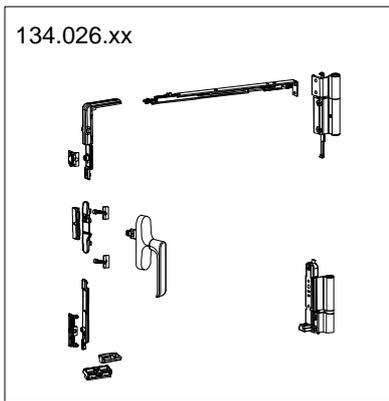
134.026.xx



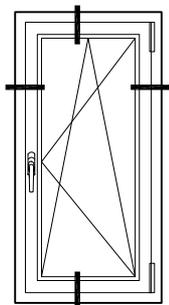
OTKLOPNO ZAOKRETNI PROZOR
TILT & TURN WINDOW



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

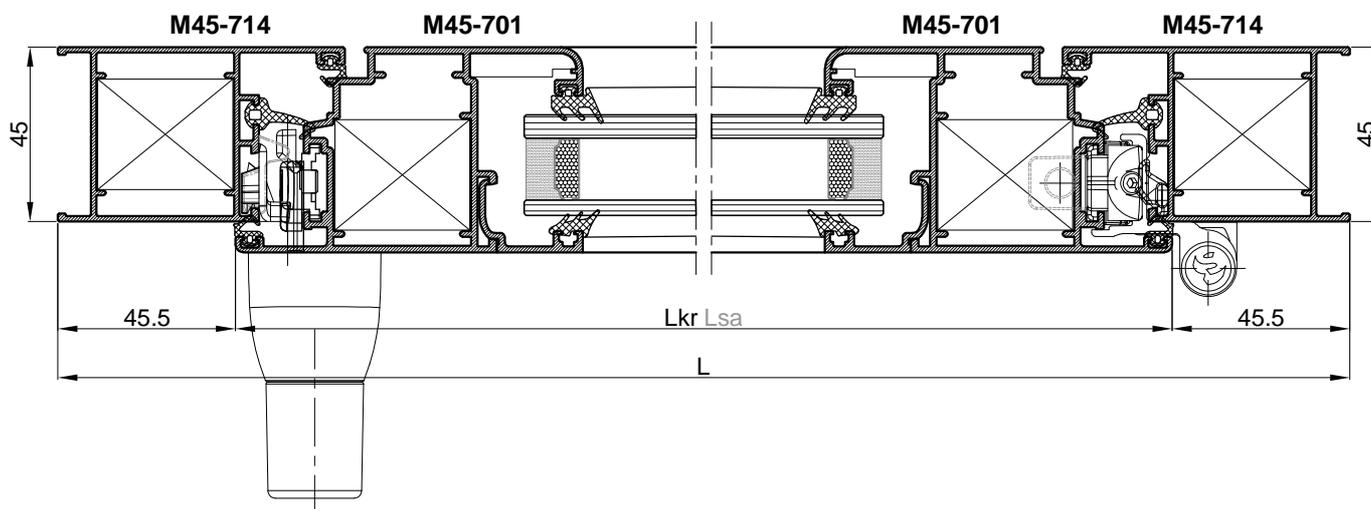
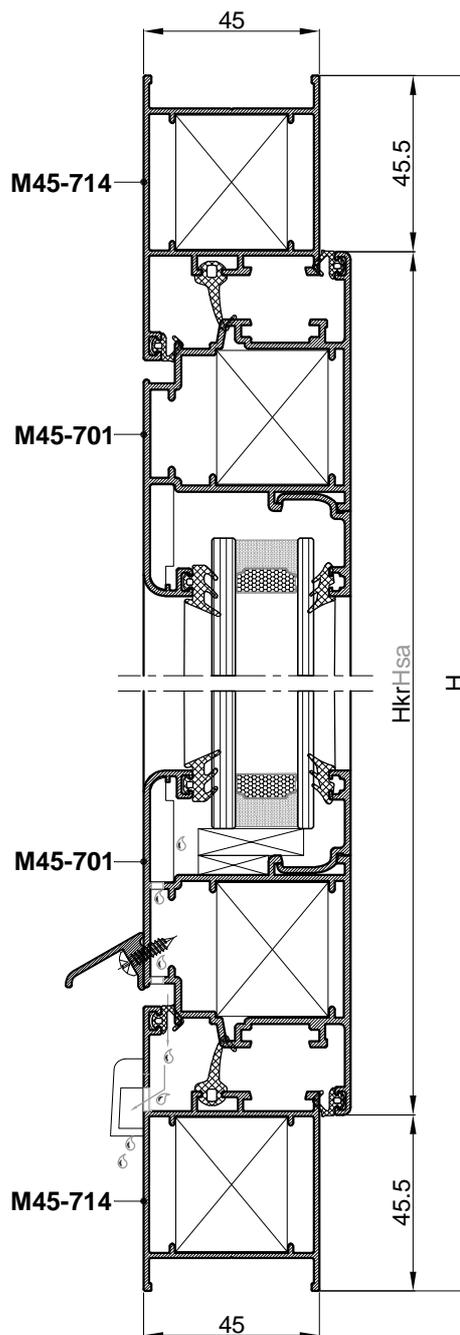
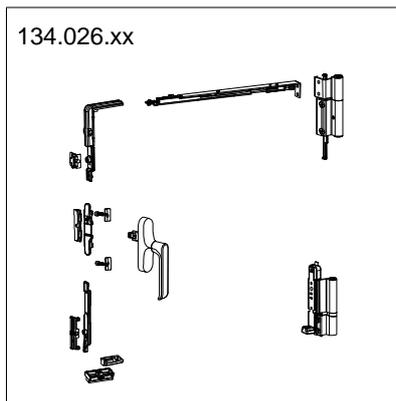


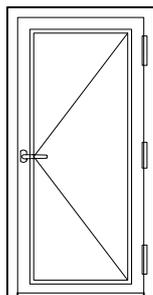
JEDNOKRILNA BALKONSKA VRATA
SINGLE-SASH BALCONY DOOR



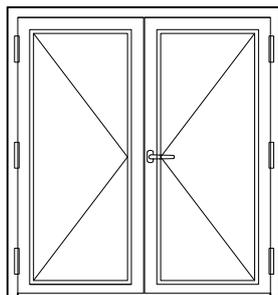
(Otklopno-zaokretni mehanizam- Stublina)
(Tilt & turn mechanism- Stublina)

134.026.xx

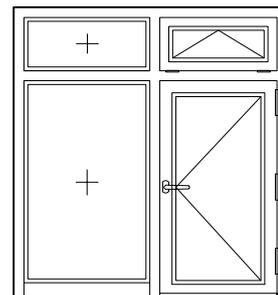




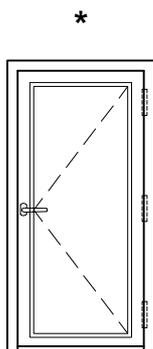
ulazna vrata
entrance door



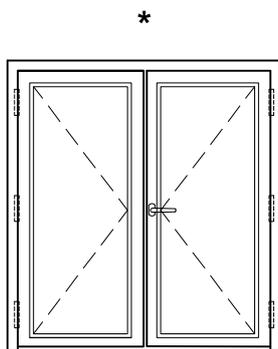
ulazna vrata
entrance door



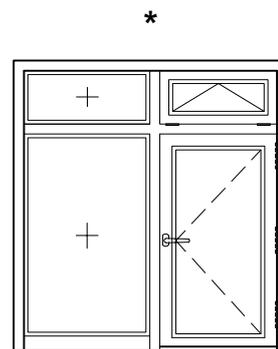
ulazna vrata
entrance door



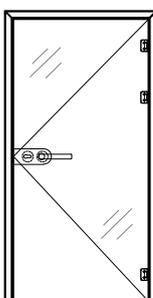
ulazna vrata
entrance door



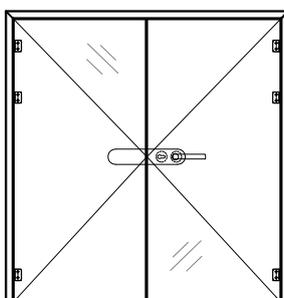
ulazna vrata
entrance door



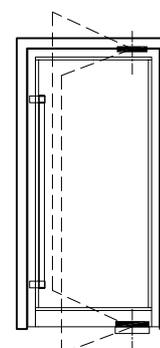
ulazna vrata
entrance door



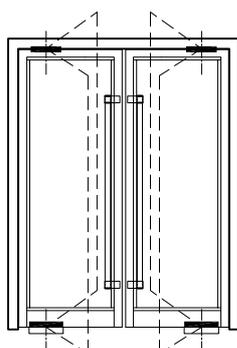
vrata sa staklenim krilom
door with glass leaf



vrata sa staklenim krilom
door with glass leaf



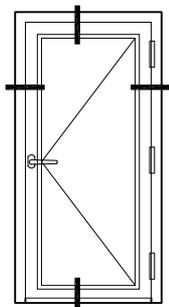
mimokretna vrata
push and pull doors



mimokretna vrata
push and pull doors

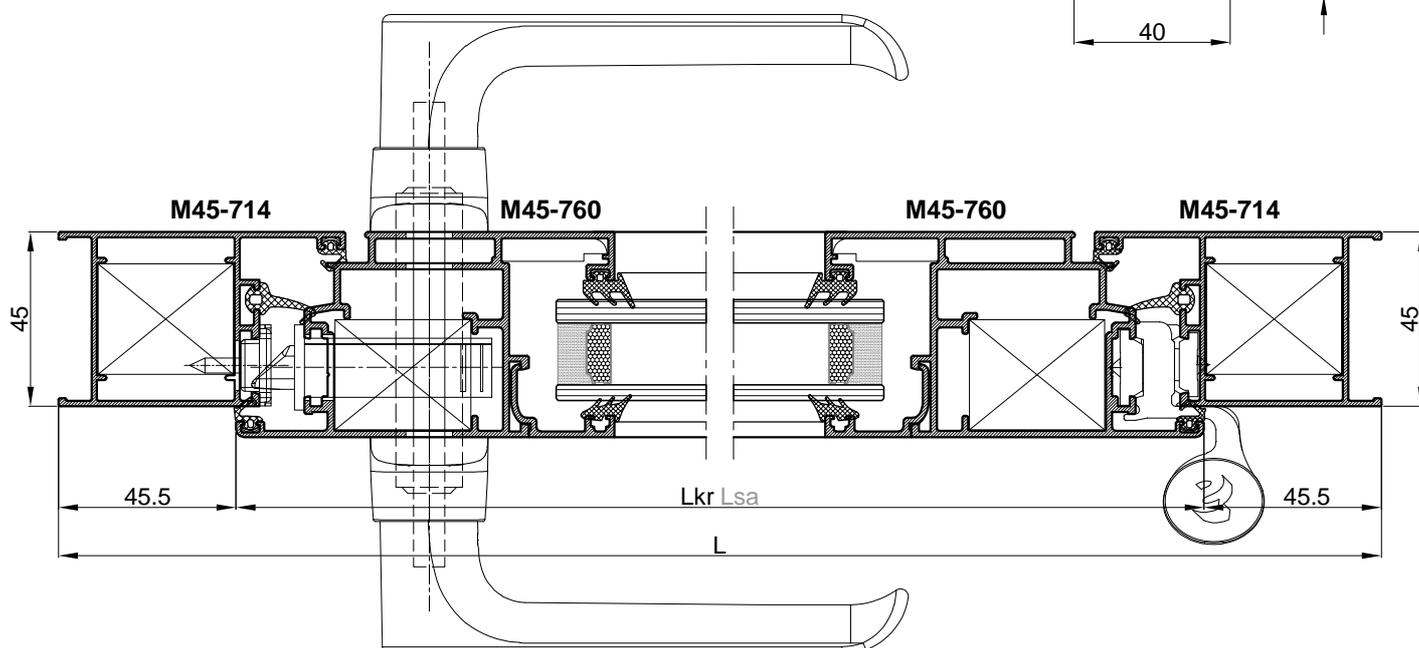
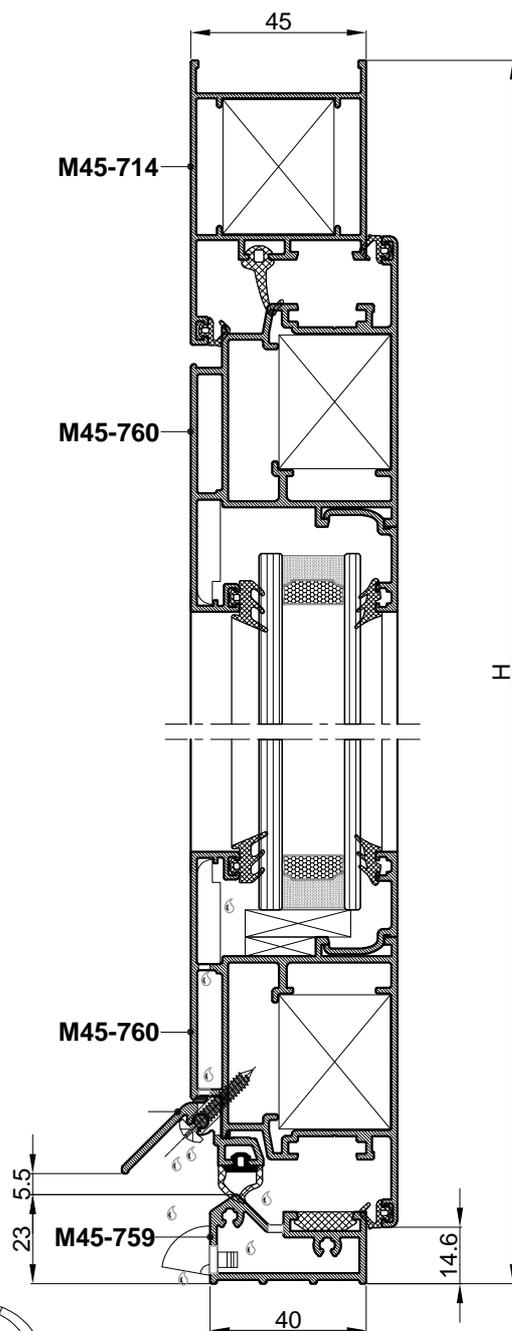
* Otvaranje vani / Outward opening

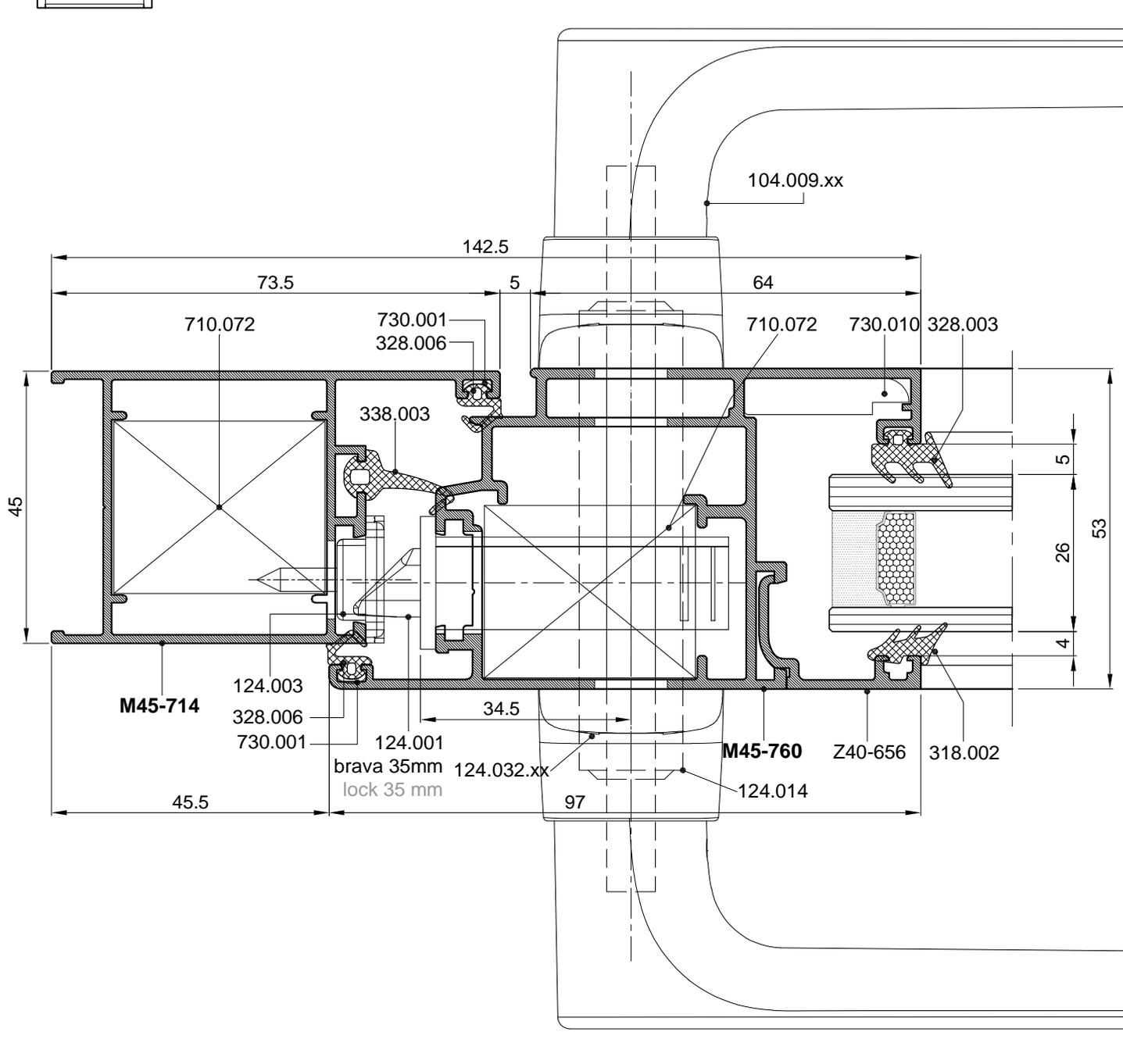
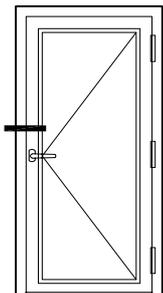
JEDNOKRILNA ULAZNA VRATA, OTVARANJE UNUTRA
SINGLE-LEAF ENTRANCE DOOR, INWARD OPENING



Napomena /Remark:

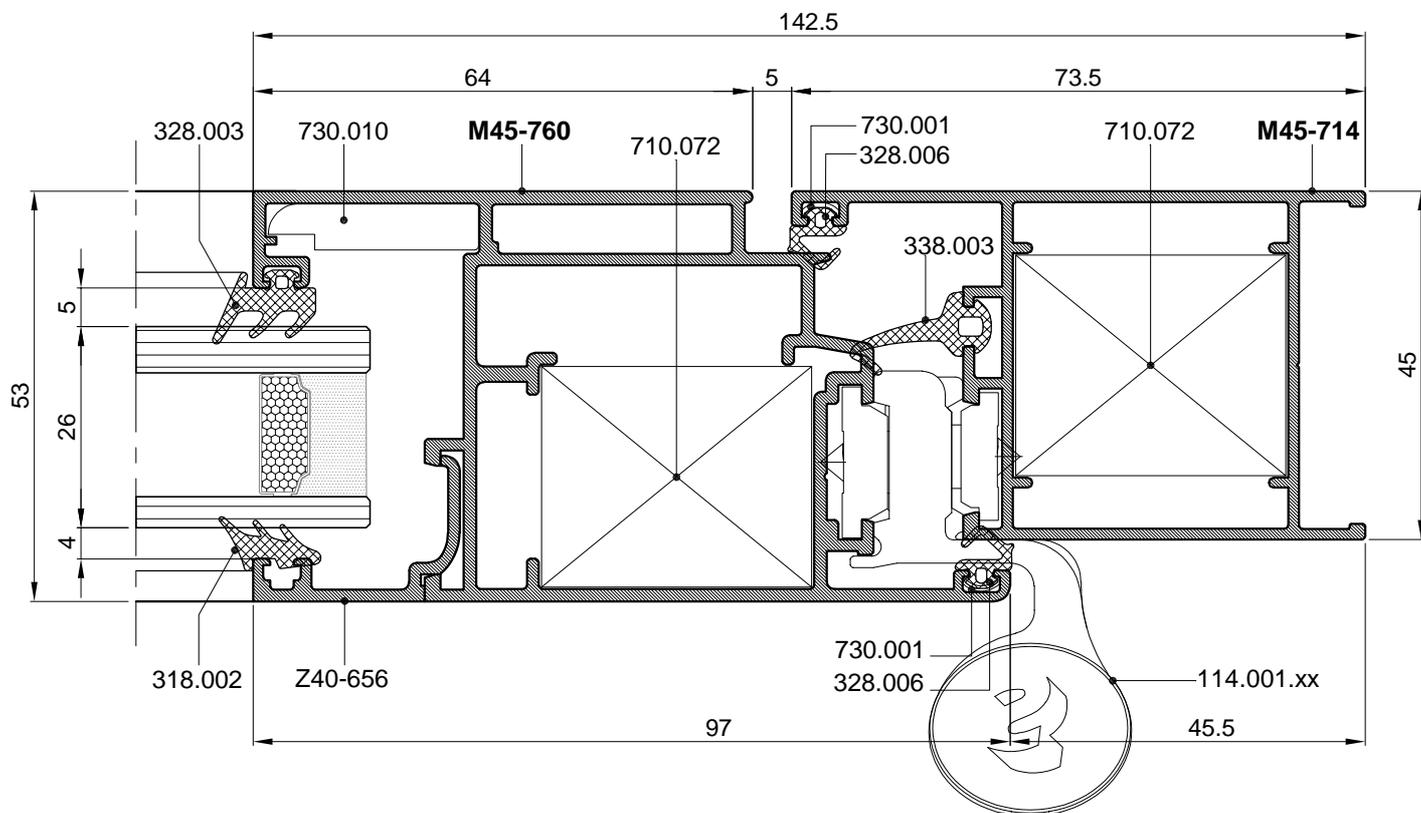
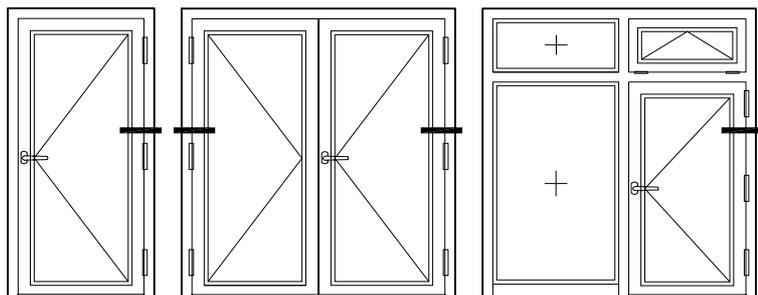
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door leaf for lock 35mm
- Lock 35mm with latchbolt...(124.001)



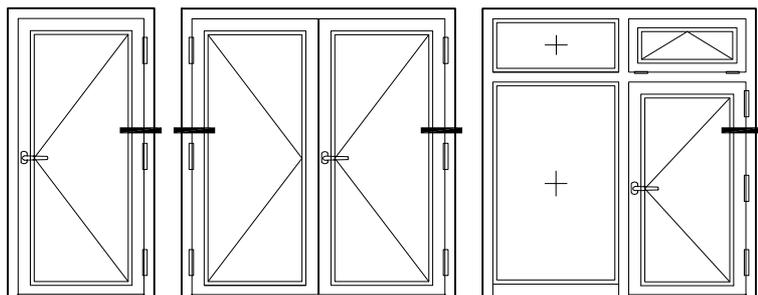


Napomena /Remark:

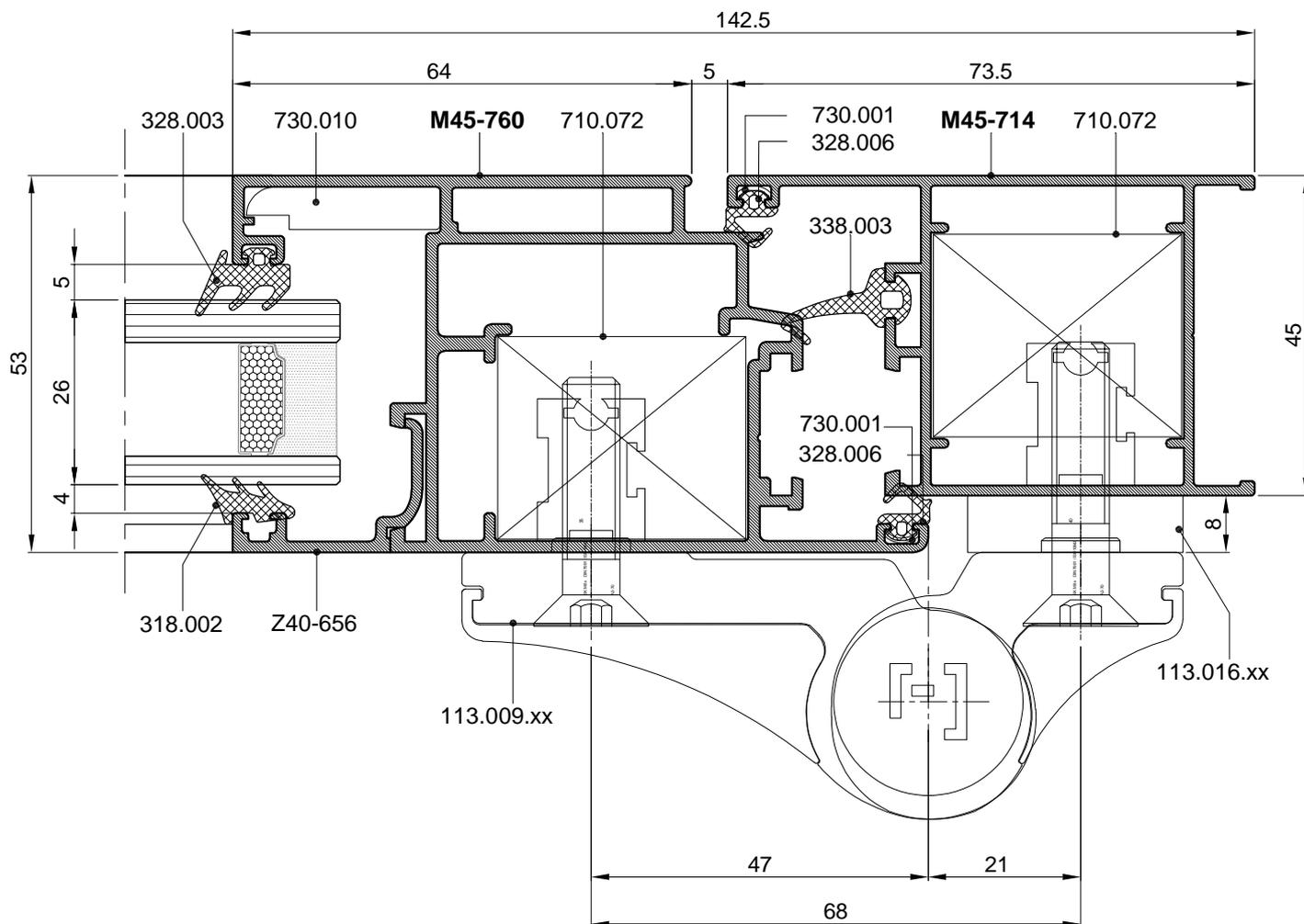
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door leaf for lock 35mm
- Lock 35mm with latchbolt...(124.001)



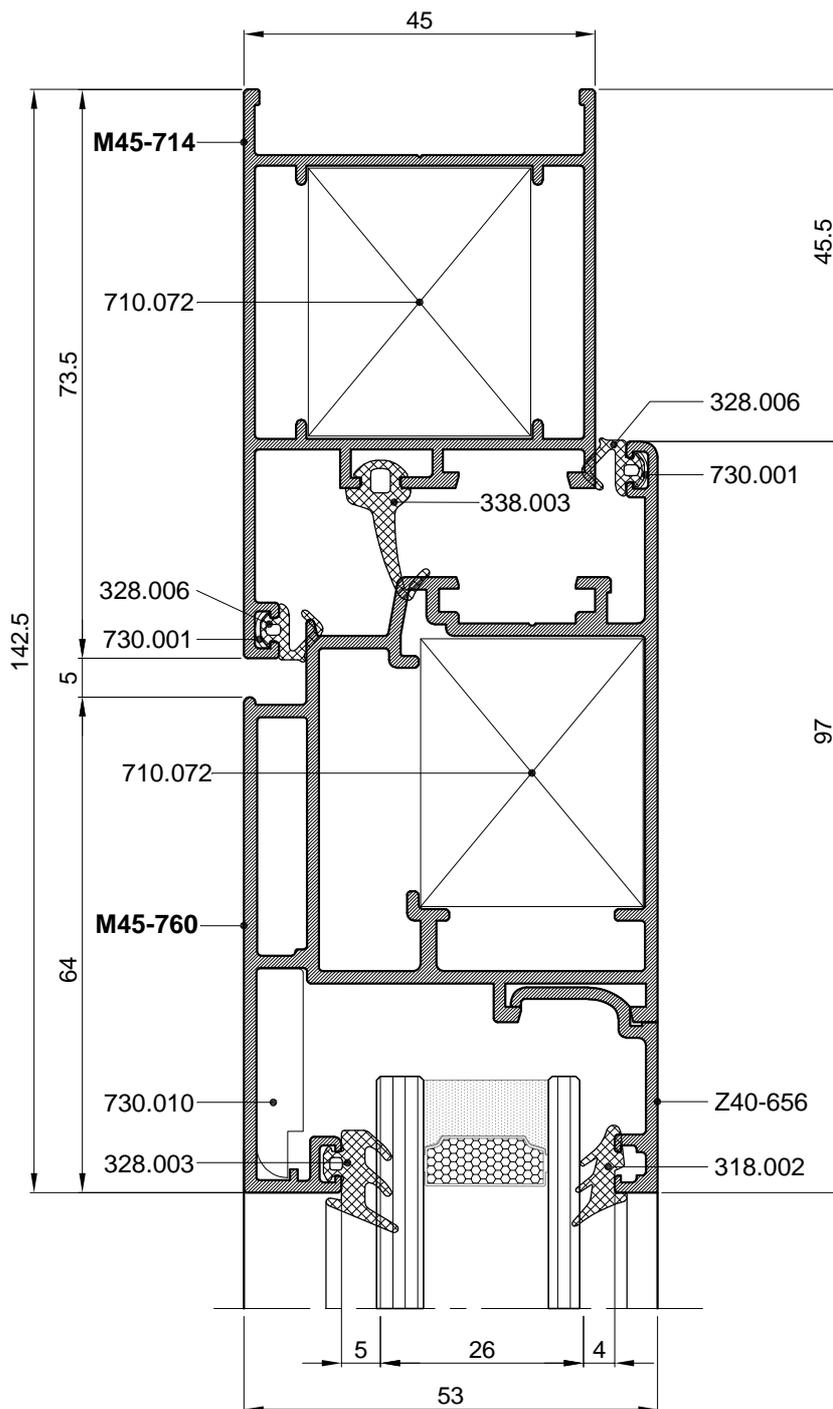
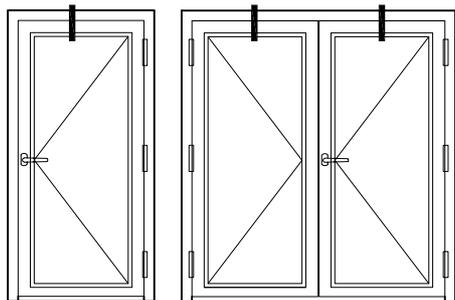
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



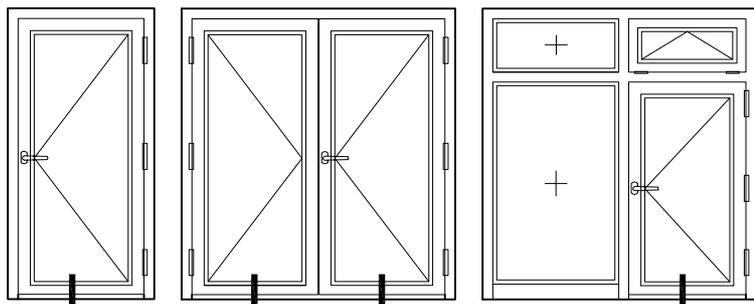
SET USADNIH BAGLAMA - OSNO 68 mm
UGRAĐUJE SE U KRILU VRATA M45-760 (OTVARANJE UNUTRA)
SET OF SCREW-IN HINGES - AXIAL DISTANCE 68 mm
INSTALLED IN DOOR LEAF M45-760 (INWARD OPENING)



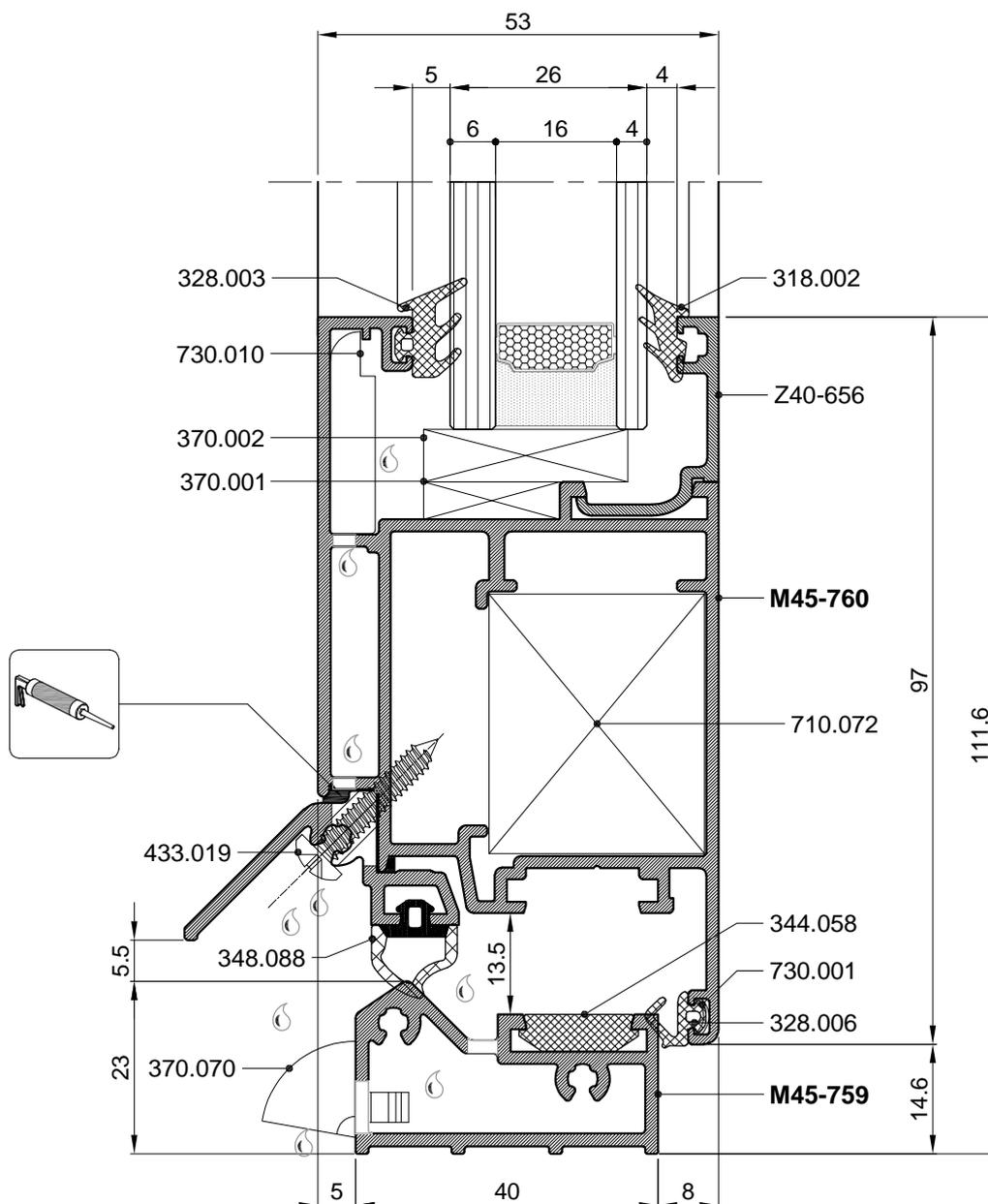
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



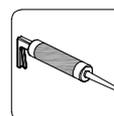
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



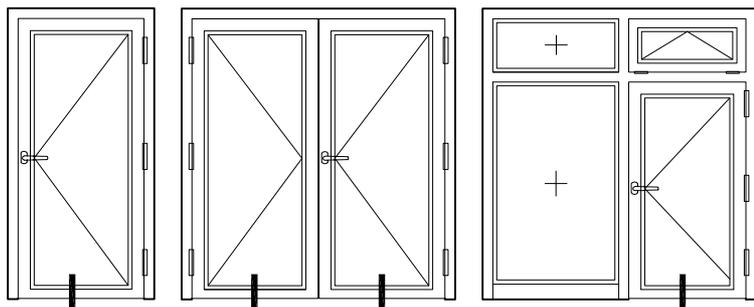
VRATA S PRAGOM
(OTVARANJE UNUTRA)
DOOR WITH THRESHOLD
(INWARD OPENING)



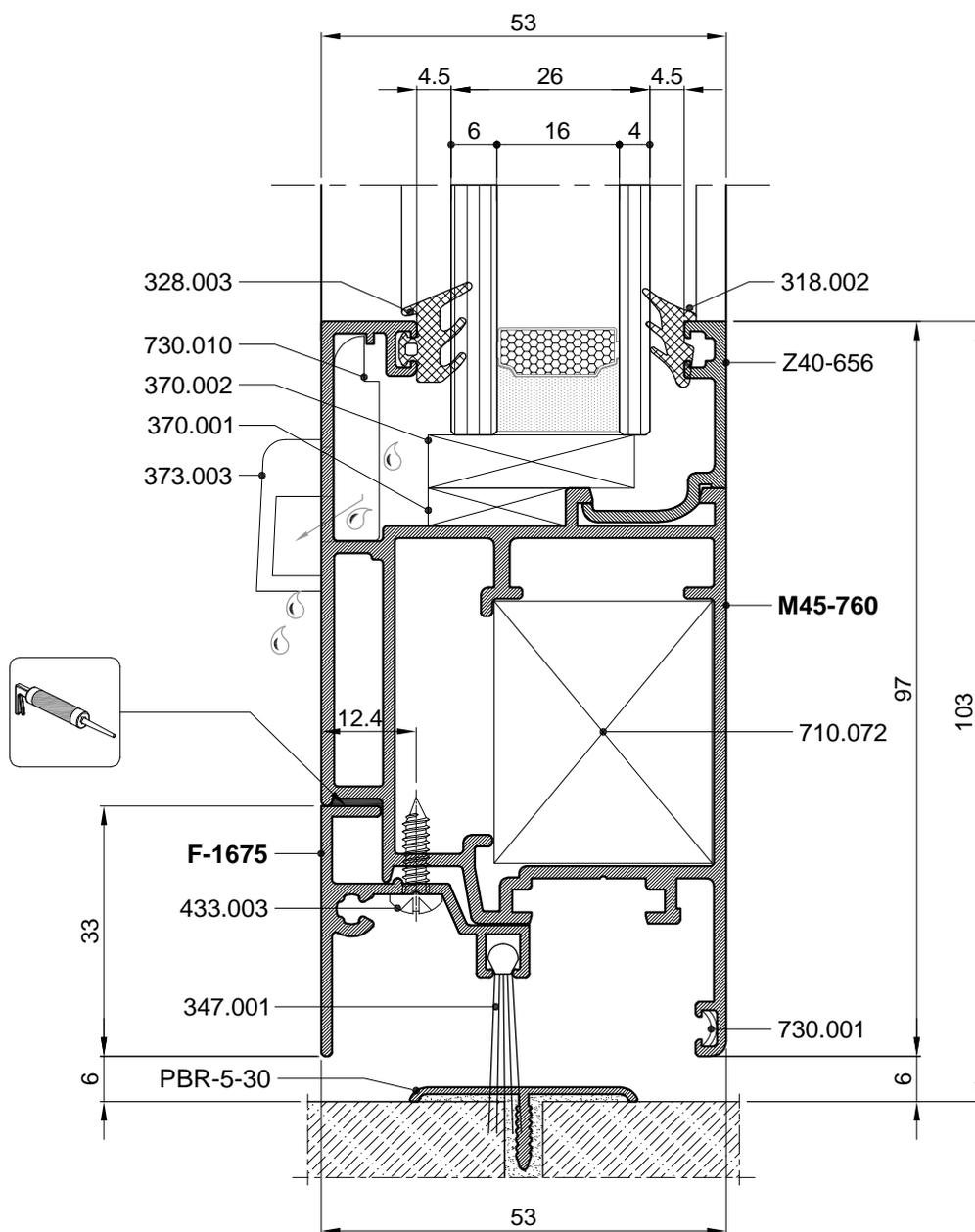
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



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



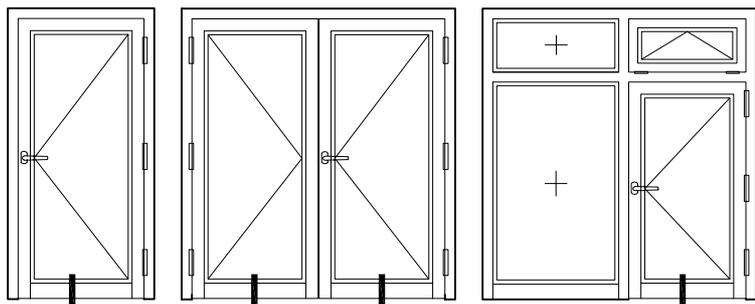
VRATA BEZ PRAGA
(OTVARANJE UNUTRA)
DOOR WITHOUT THRESHOLD
(INWARD OPENING)



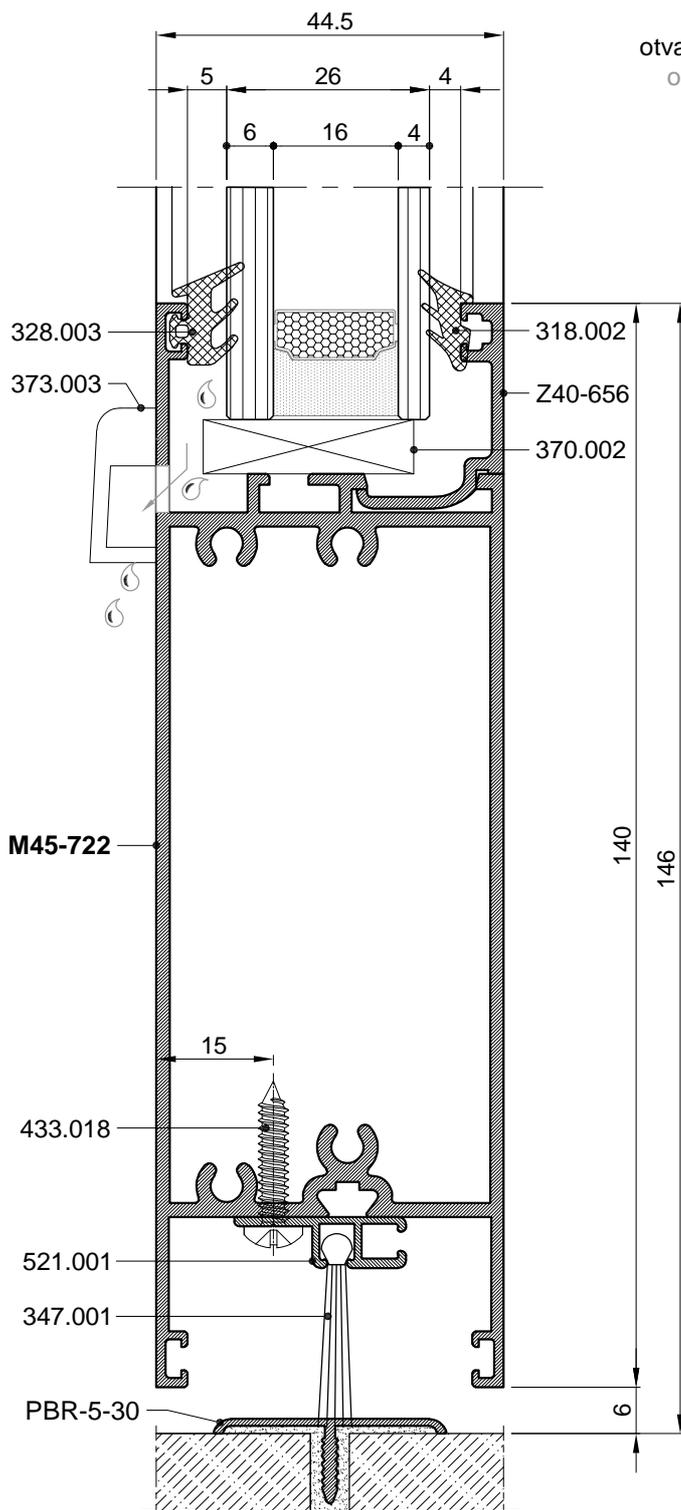
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



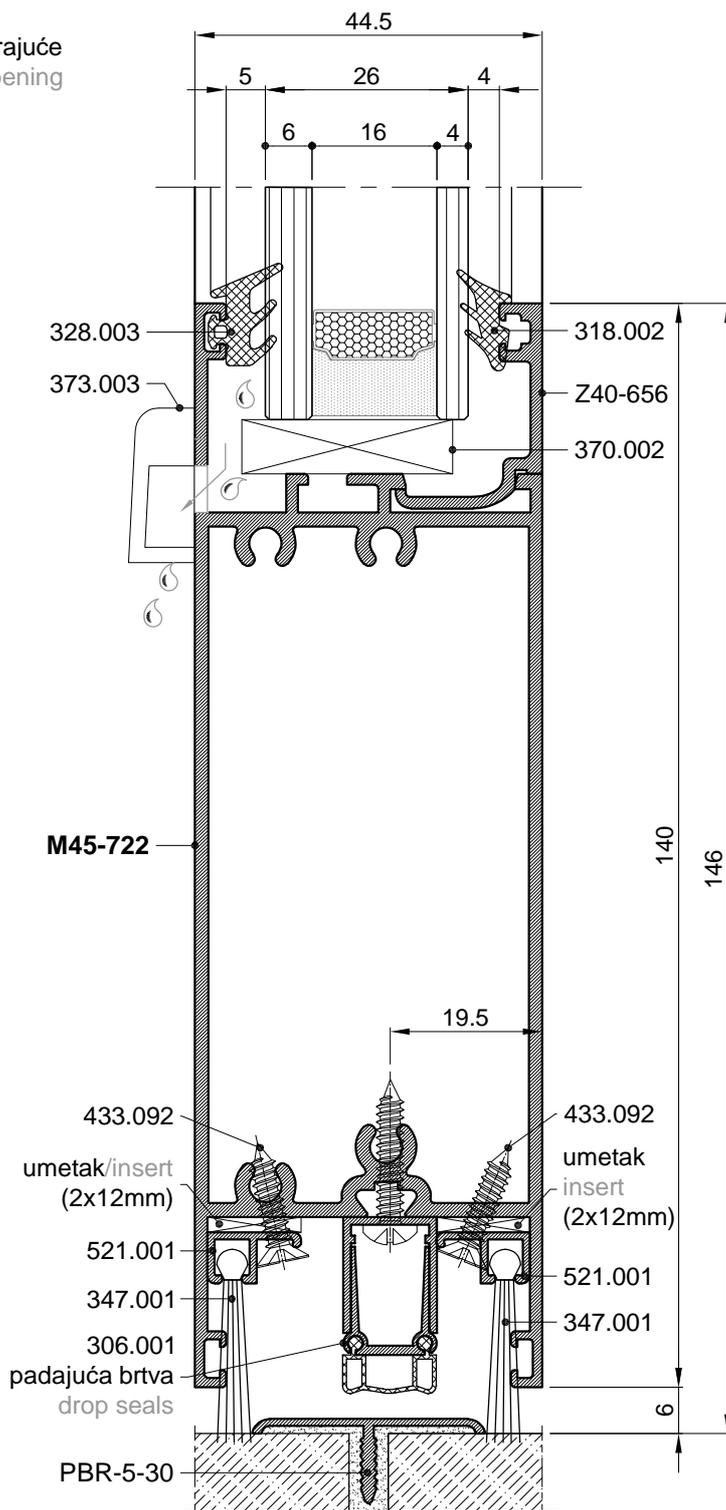
lijepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

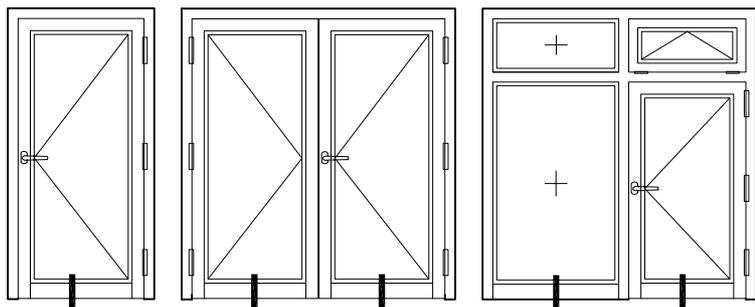


VRATA BEZ PRAGA
(OTVARANJE UNUTRA I VANI)
DOOR WITHOUT THRESHOLD
(INWARD AND OUTWARD OPENING)



otvarajuće
opening

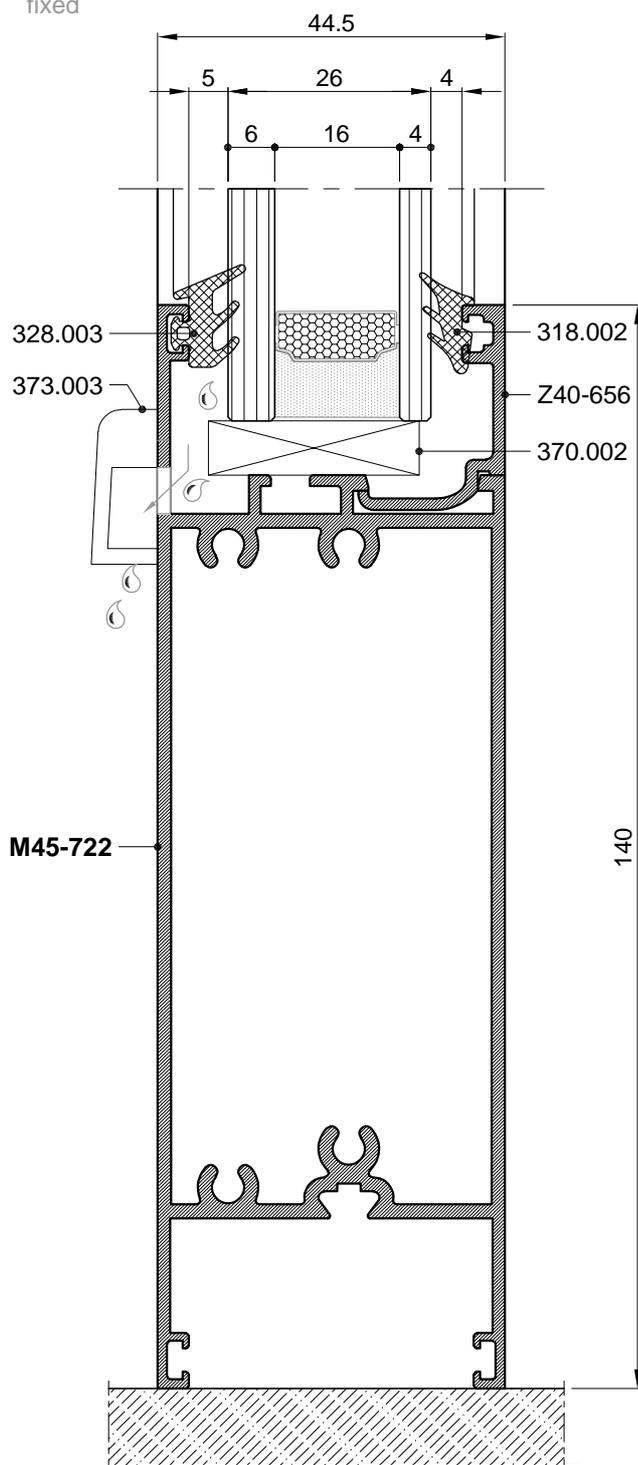
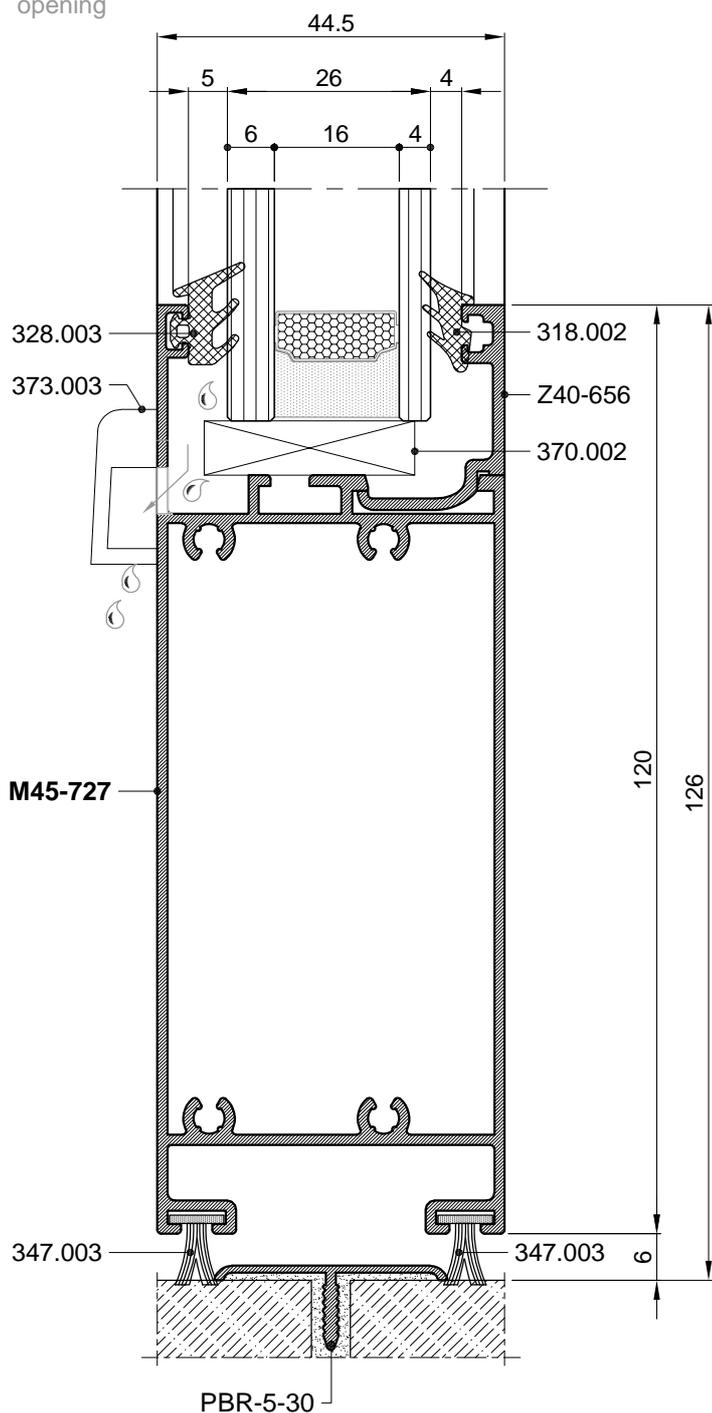


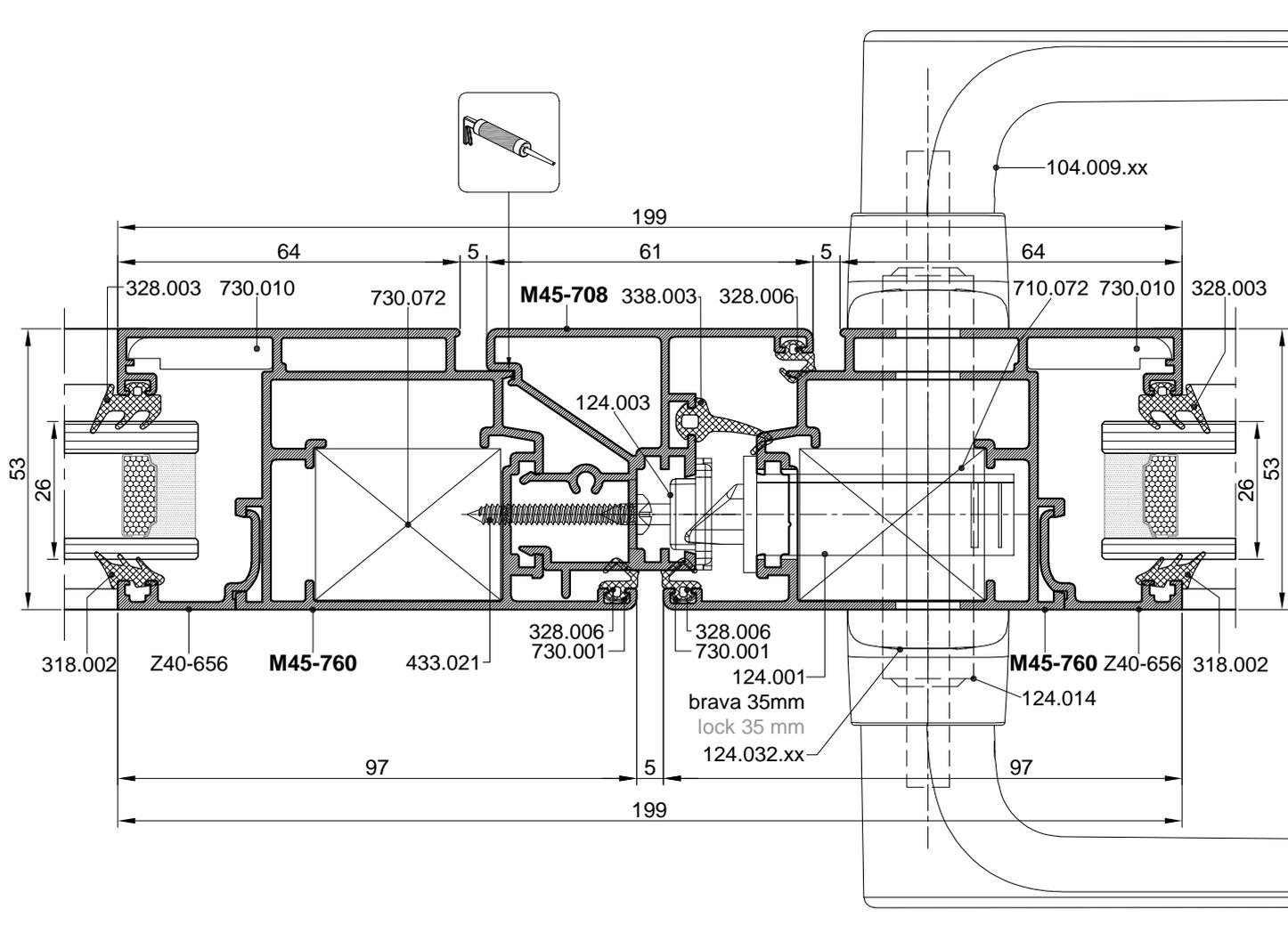
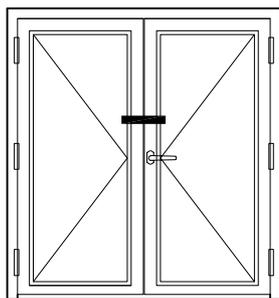


VRATA BEZ PRAGA
(OTVARANJE UNUTRA I VANI)
DOOR WITHOUT THRESHOLD
(INWARD AND OUTWARD OPENING)

otvarajuće
opening

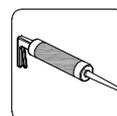
fiksno
fixed



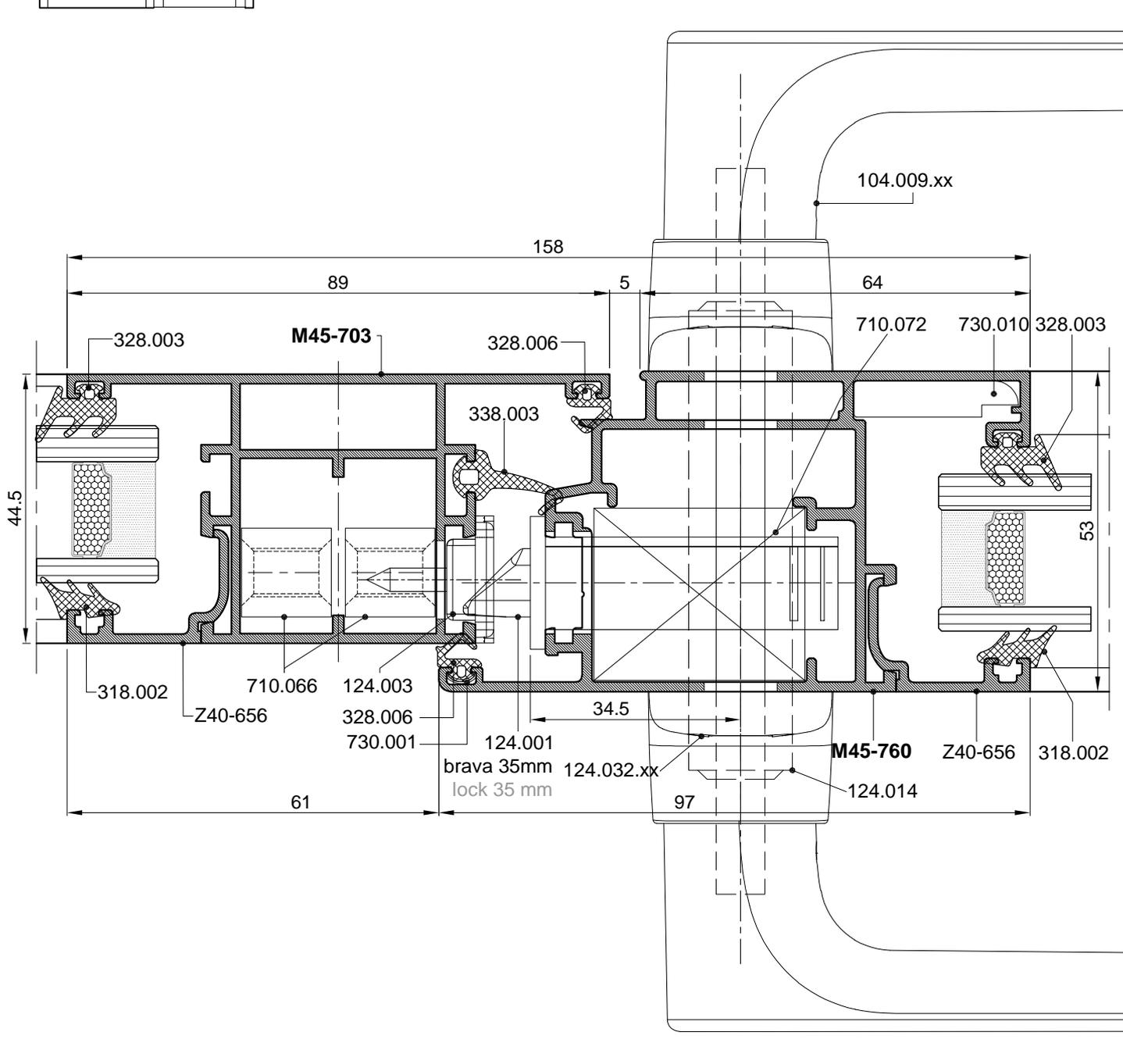
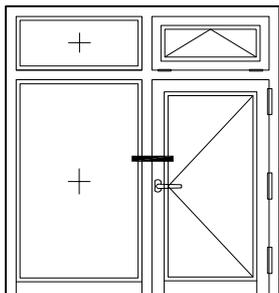


Napomena /Remark:

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

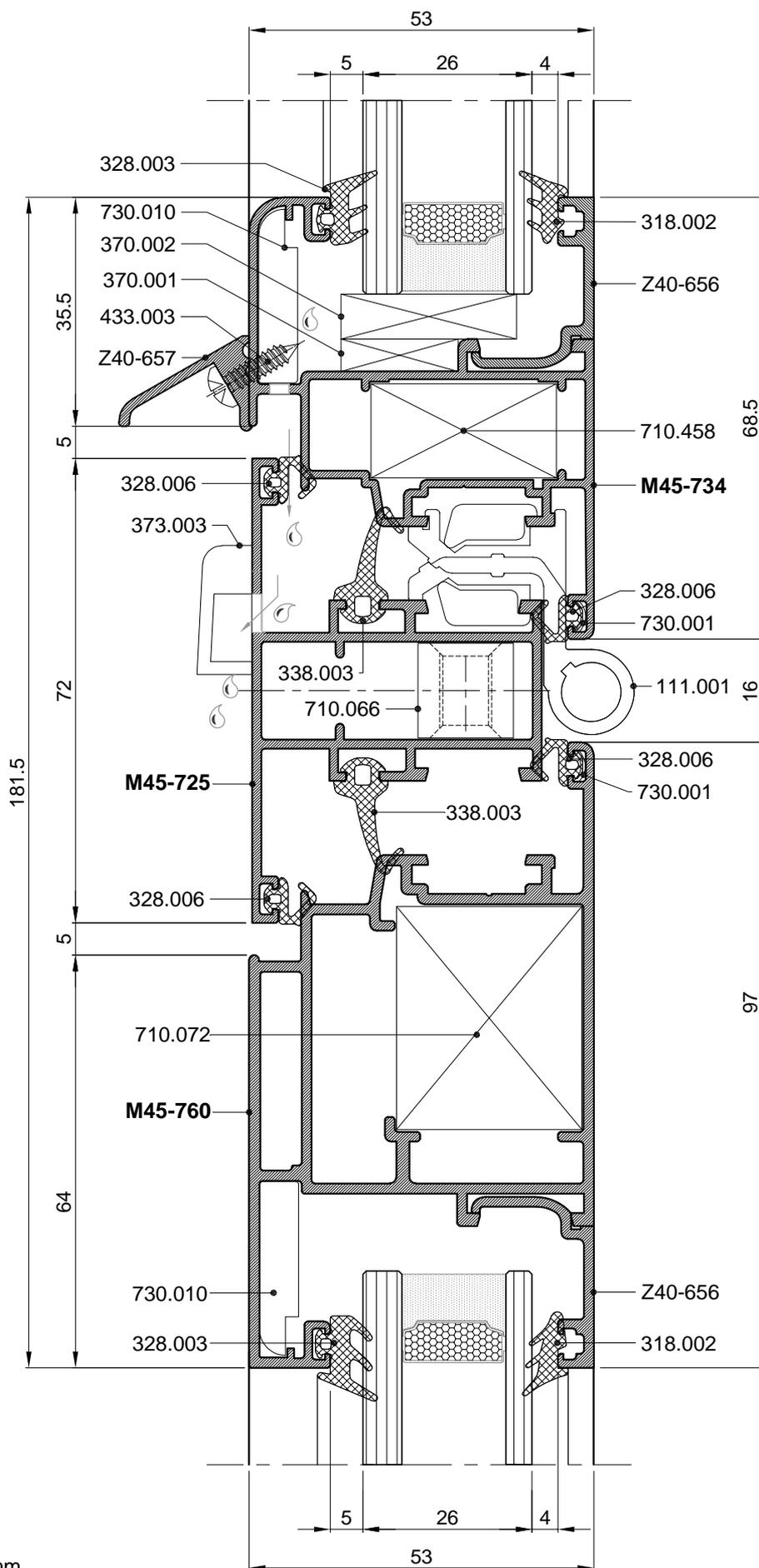
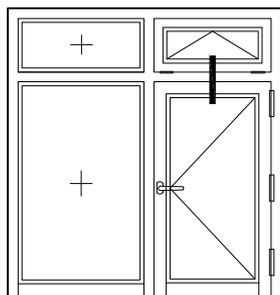


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

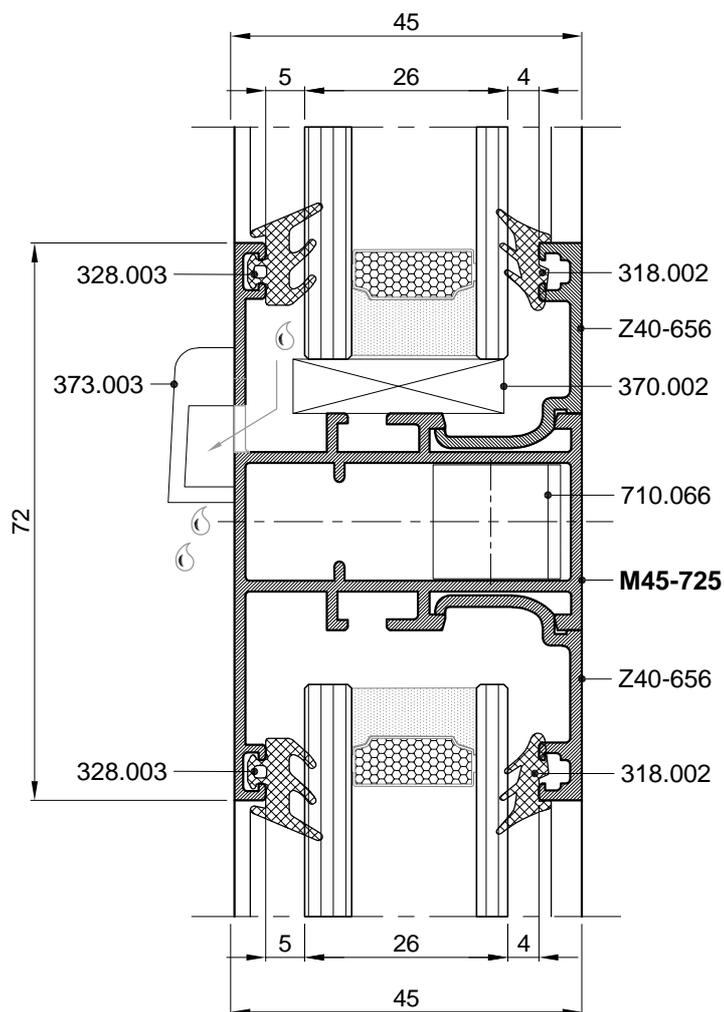
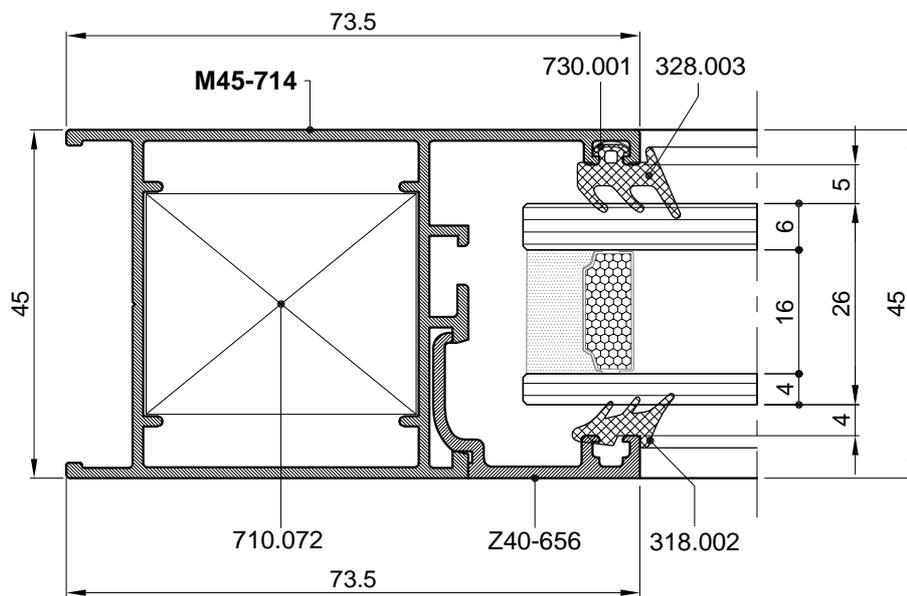
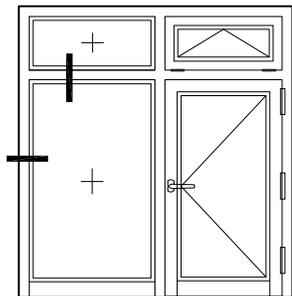


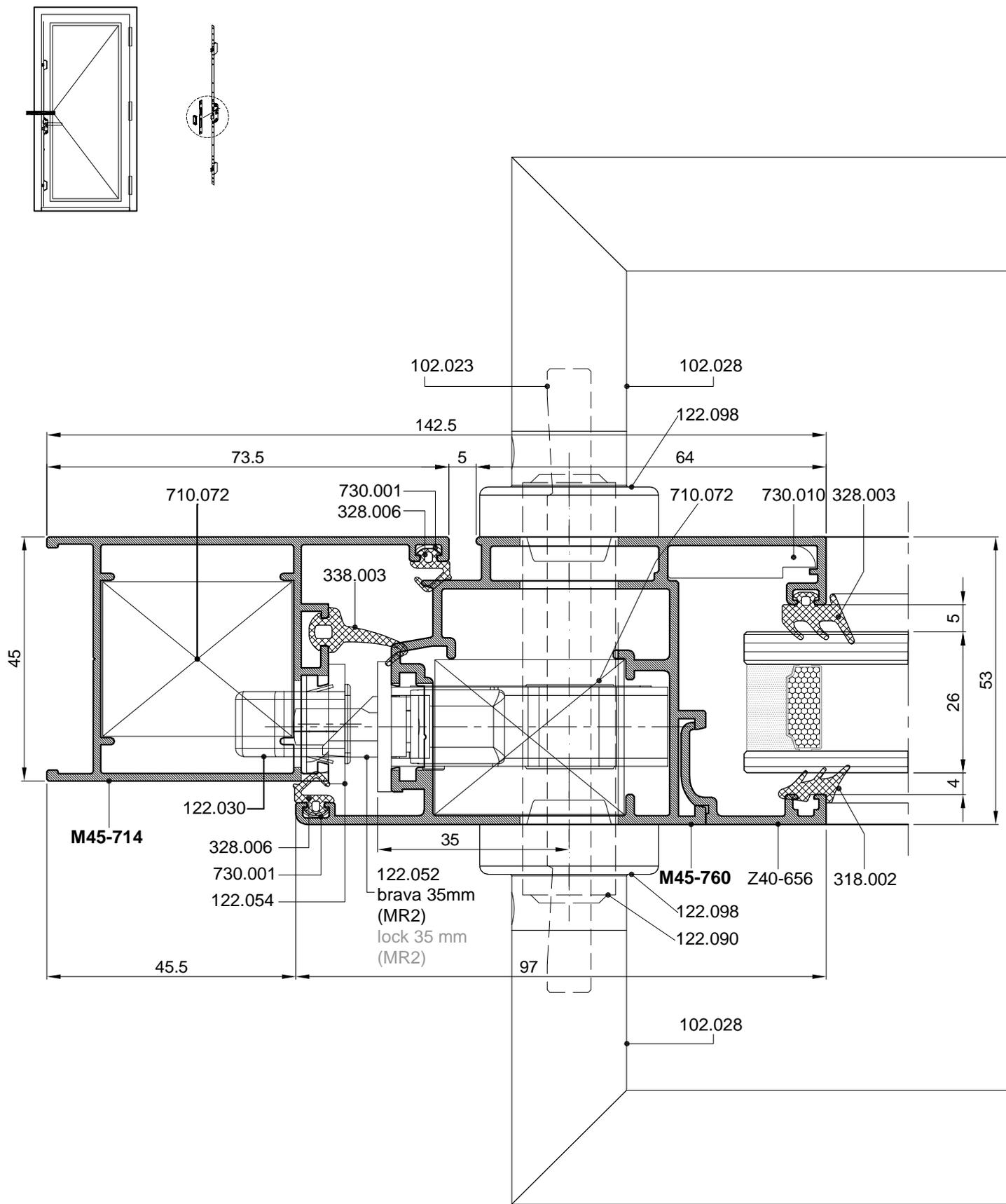
Napomena /Remark:

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



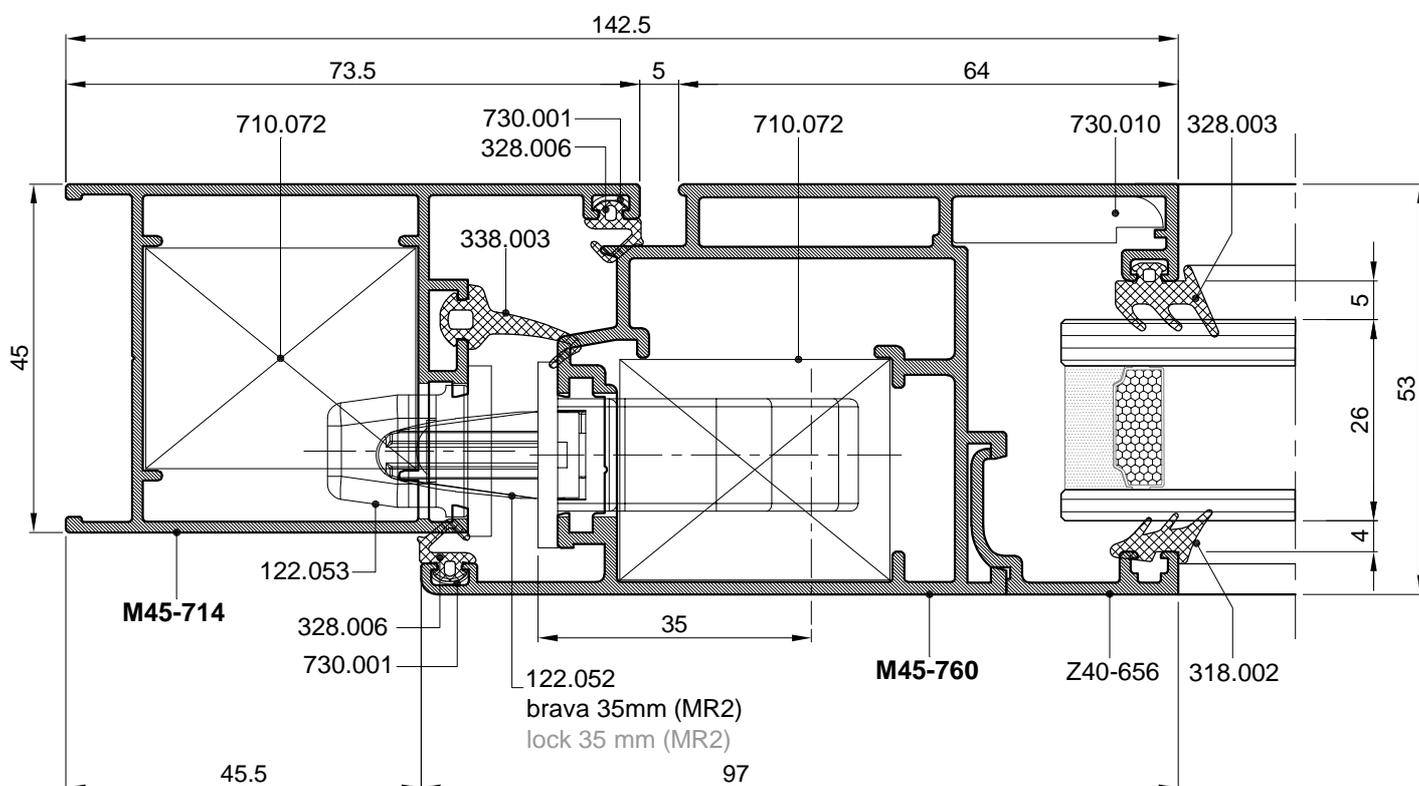
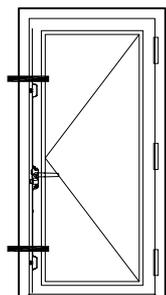
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm





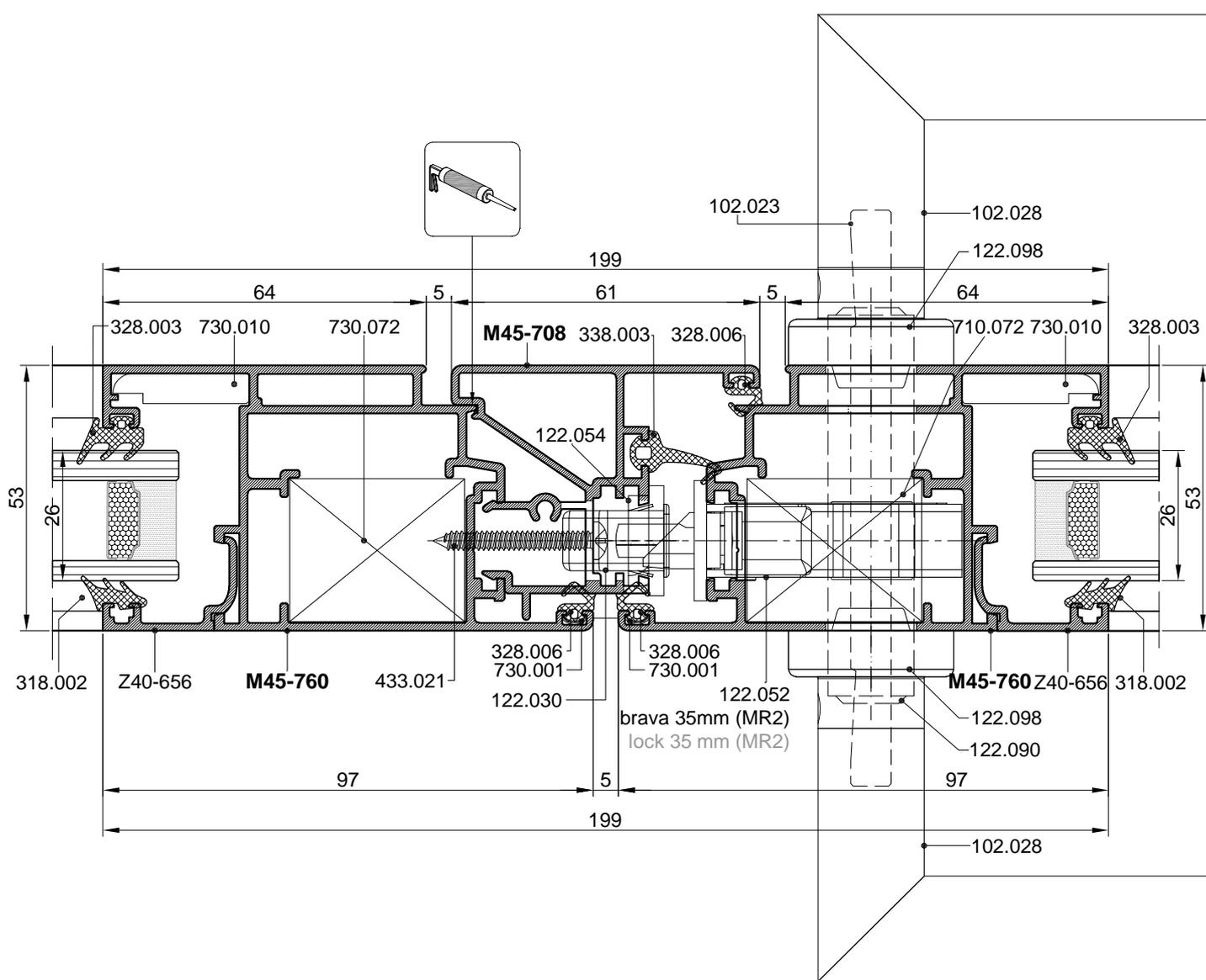
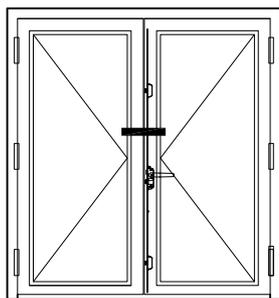
Napomena /Remark:

- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta klučanja -(MR2)...(122.052)
- Door leaf for lock 35mm
- Safety lock 35mm with 3 locking point -(MR2)...(122.052)



Napomena /Remark:

- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Door leaf for lock 35mm
- Safety lock 35mm with 3 locking point -(MR2)...(122.052)

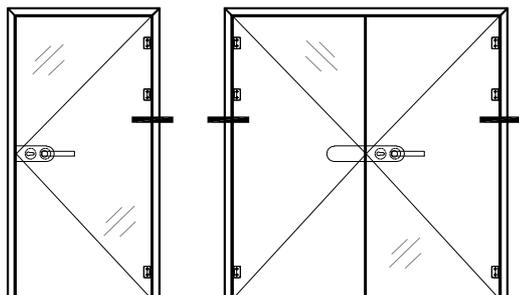


Napomena /Remark:

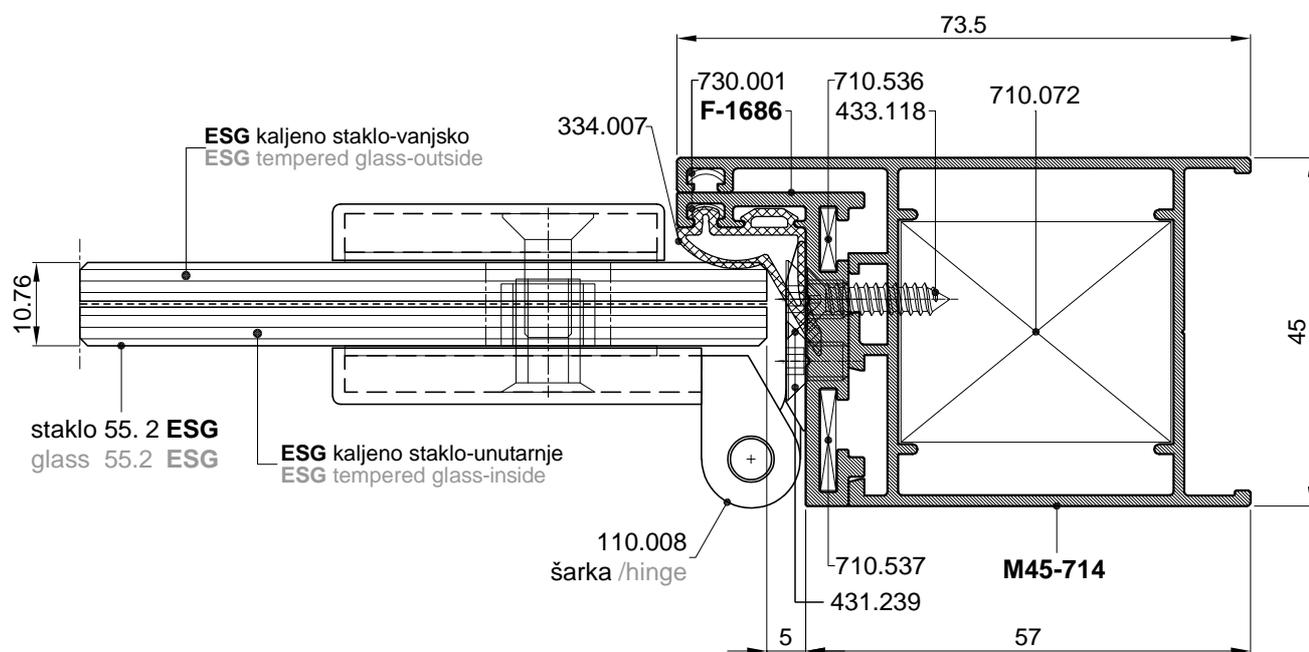
- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Door leaf for lock 35mm
- Safety lock 35mm with 3 locking point -(MR2)...(122.052)



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



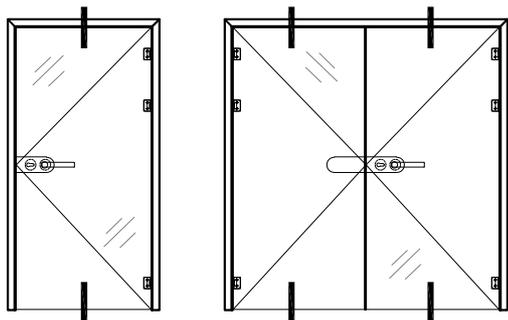
VRATA SA STAKLENIM KRILOM
(OTVARANJE UNUTRA)
DOOR WITH GLASS LEAF
(INWARD OPENING)



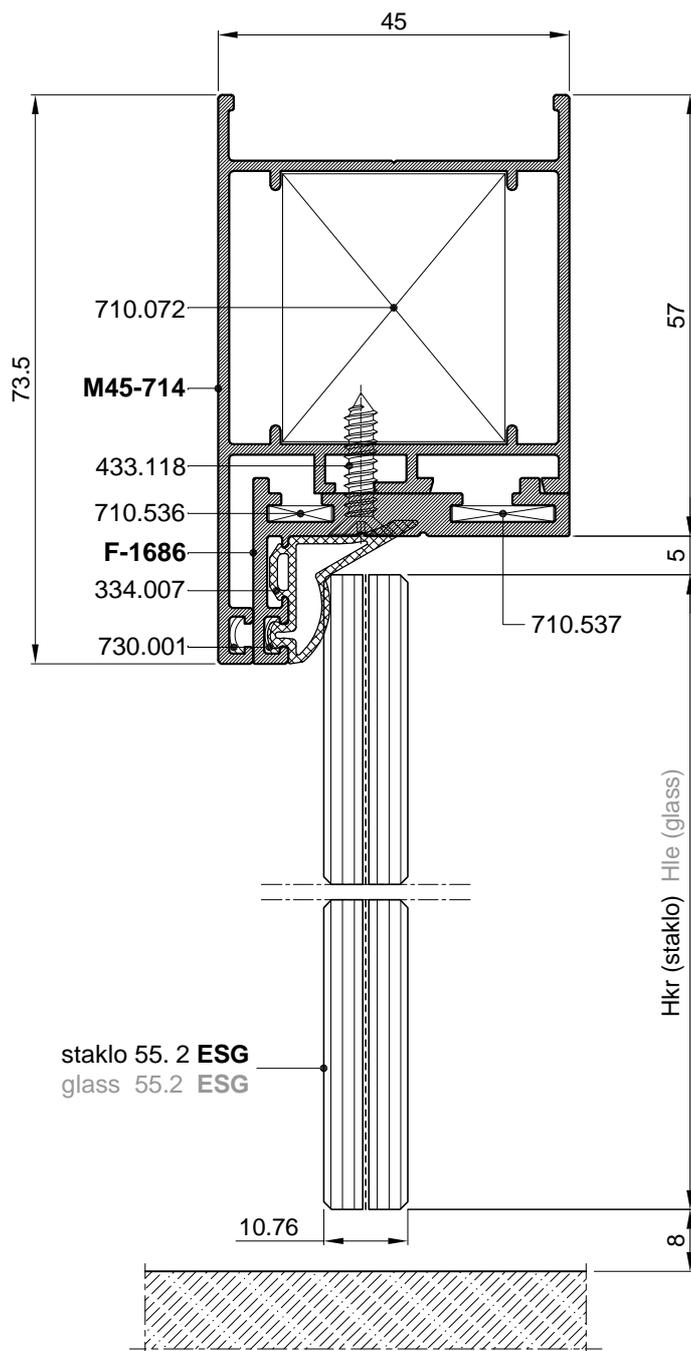
Napomena /Remark:

Krilo vrata / Leaf door :

- Staklo 55.2 **ESG** / Glass 55.2 **ESG**



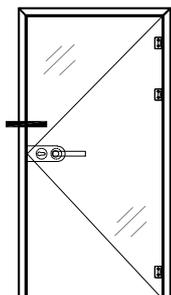
VRATA SA STAKLENIM KRILOM
(OTVARANJE UNUTRA)
DOOR WITH GLASS LEAF
(INWARD OPENING)



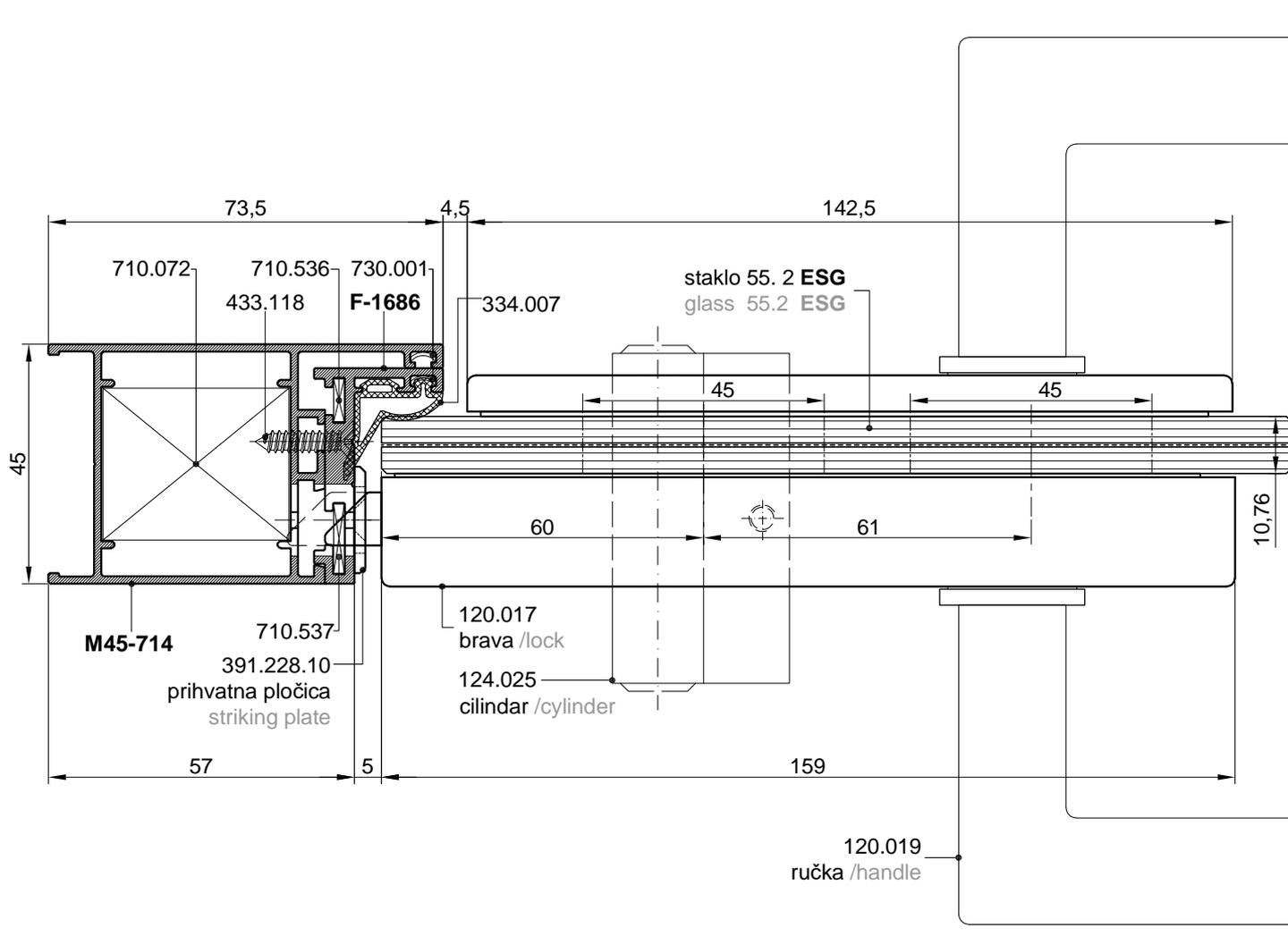
Napomena /Remark:

Krilo vrata / Leaf door :

- Staklo 55.2 **ESG** / Glass 55.2 **ESG**



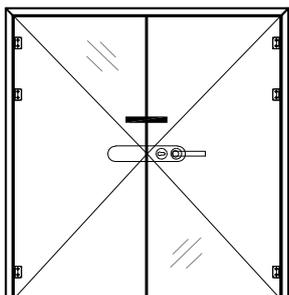
VRATA SA STAKLENIM KRILOM
(OTVARANJE UNUTRA)
DOOR WITH GLASS LEAF
(INWARD OPENING)



Napomena /Remark:

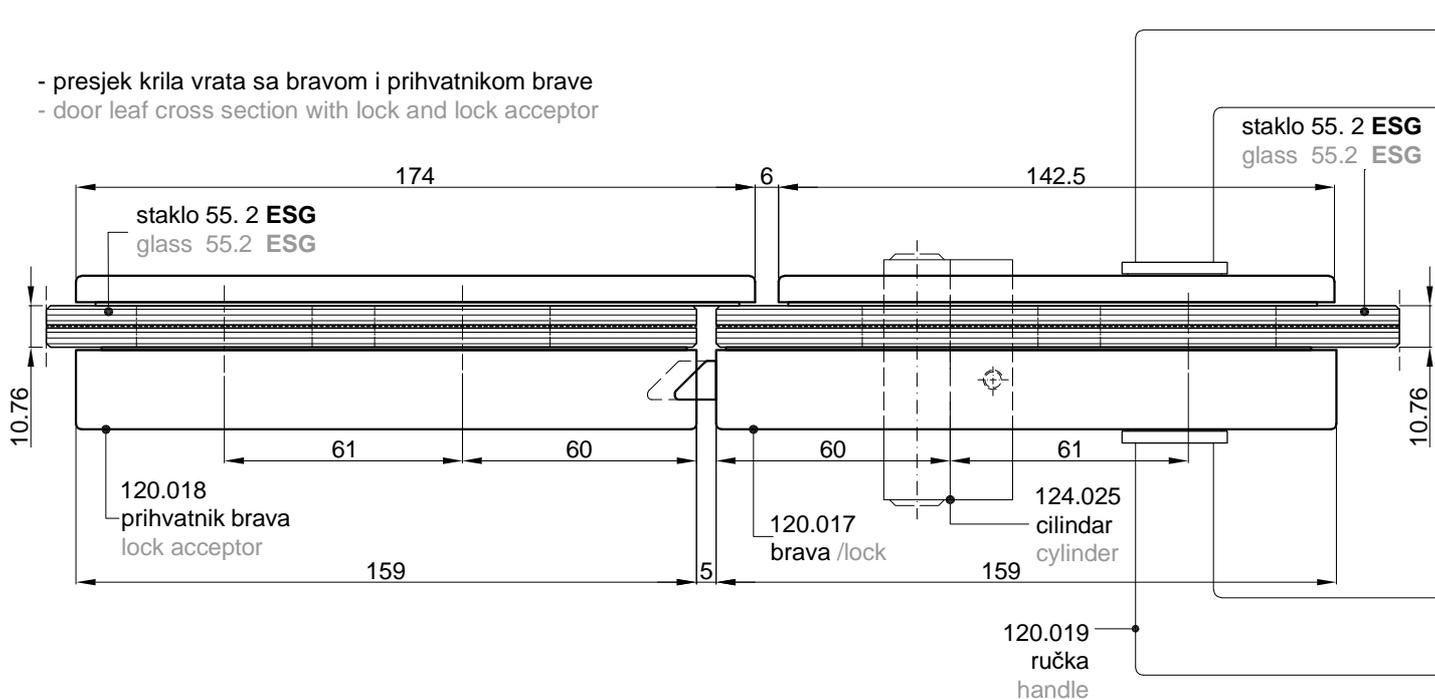
Krilo vrata / Door leaf:

- Staklo 55.2 **ESG** / Glass 55.2 **ESG**

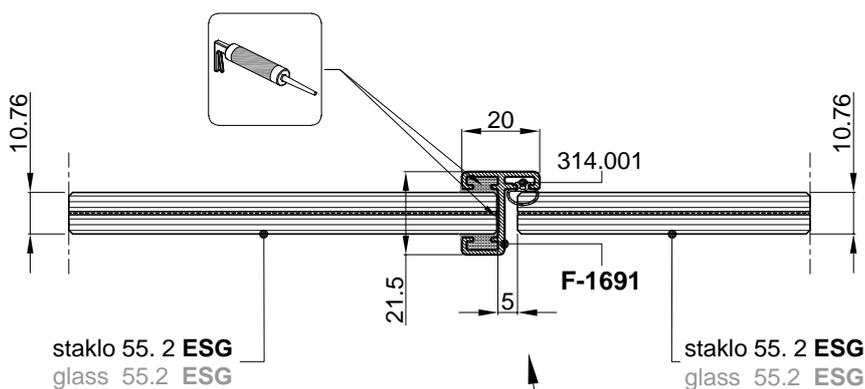


VRATA SA STAKLENIM KRILOM
(OTVARANJE UNUTRA)
DOOR WITH GLASS LEAF
(INWARD OPENING)

- presjek krila vrata sa bravom i prihvatnikom brave
- door leaf cross section with lock and lock acceptor



- presjek krila vrata sa profilom F-1691 na pomoćnome krilu
- door leaf cross section with profile F-1691 on auxiliary leaf

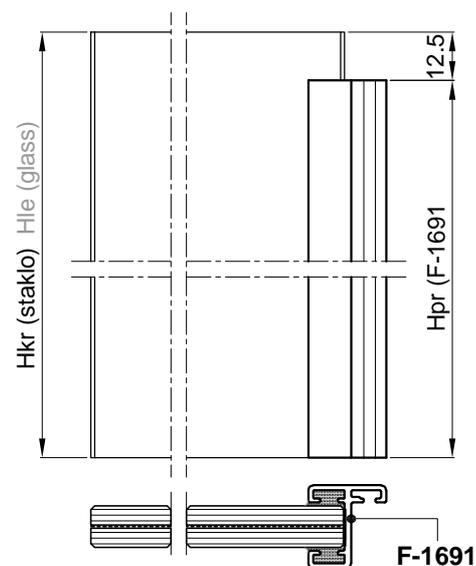


Mjera pilanja profila **F-1691**:

Hpr = Hkr (staklo) -12.5 mm

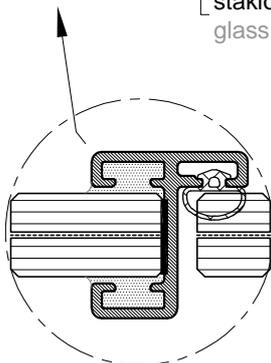
Sawing length of profile **F-1691**:

Hpr = Hle (glass) -12.5 mm



Napomena /Remark:
Kriilo vrata / Door leaf :

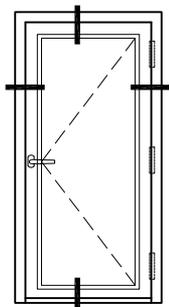
- Staklo 55.2 **ESG** / Glass 55.2 **ESG**



Jednokomponentno ljepljivo
TEROSON MS 939

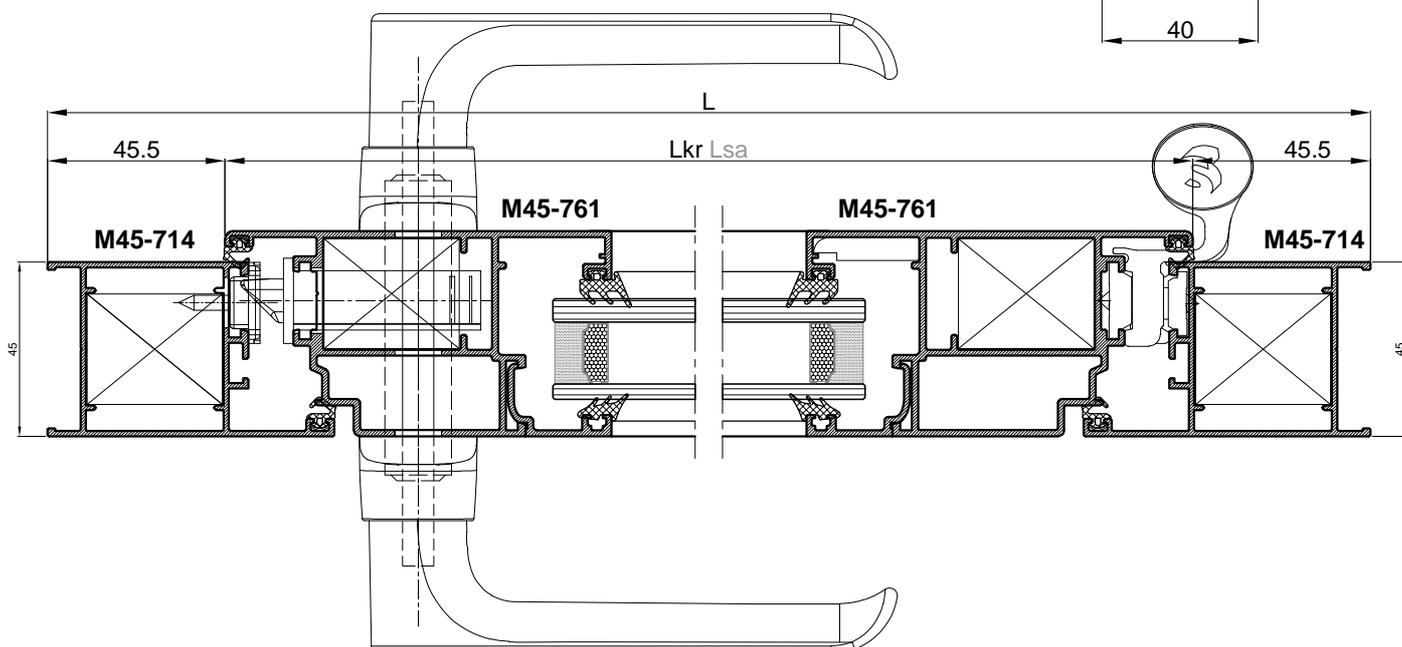
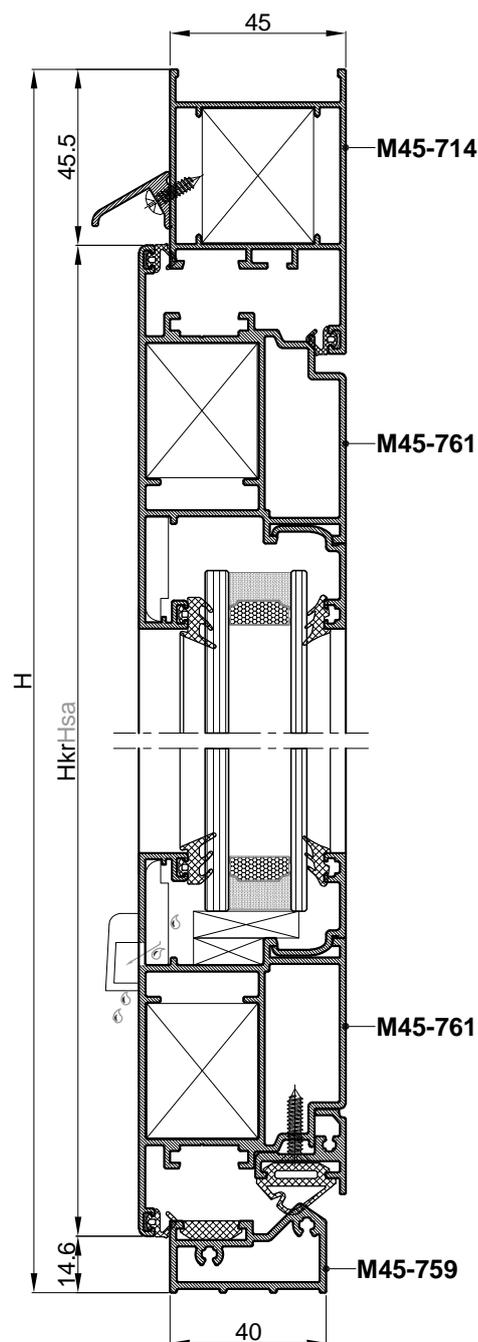
One-component glue
TEROSON MS 939

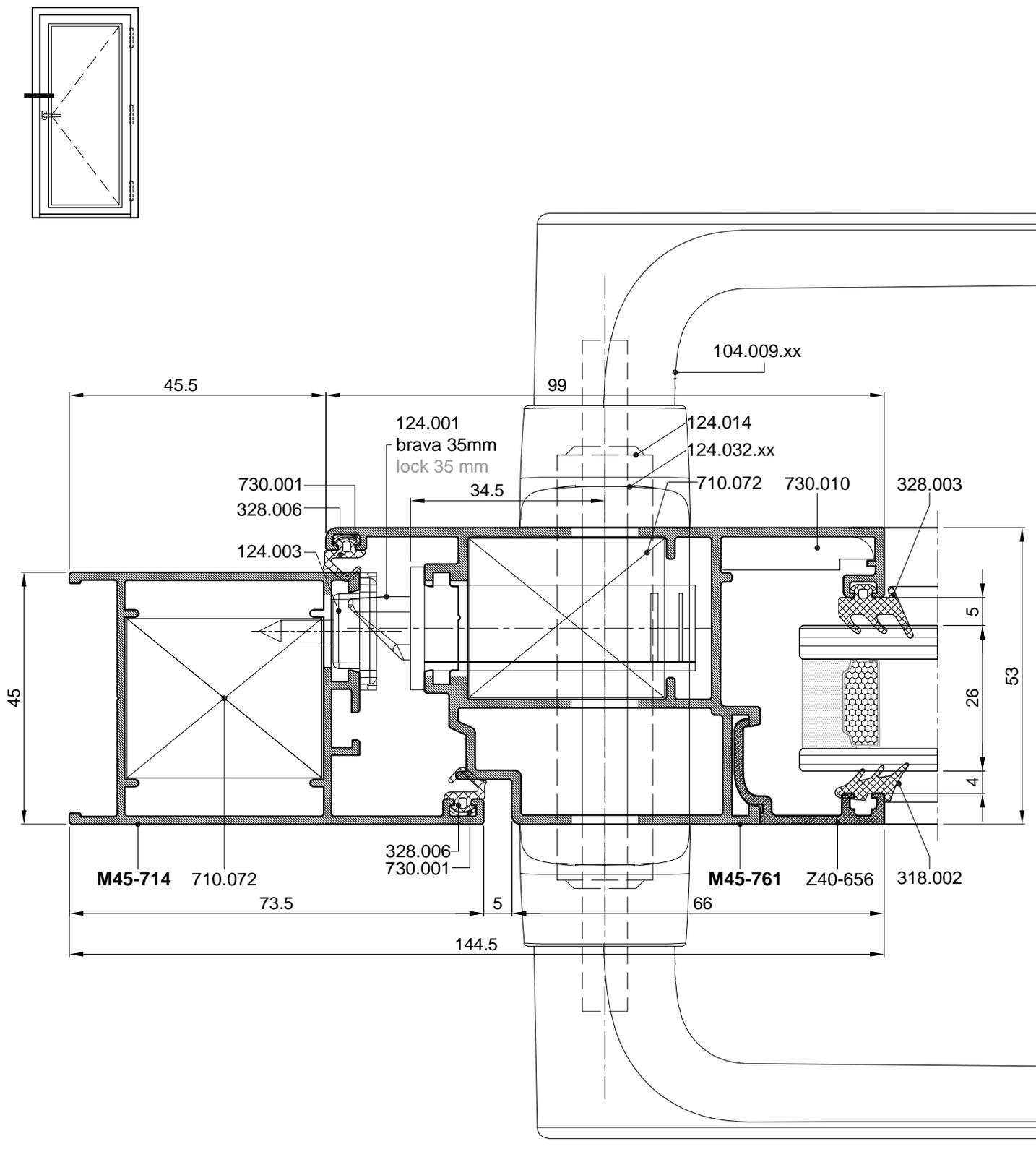
JEDNOKRILNA ULAZNA VRATA, OTVARANJE VANI
SINGLE-LEAF ENTRANCE DOOR, OUTWARD OPENING



Napomena /Remark:

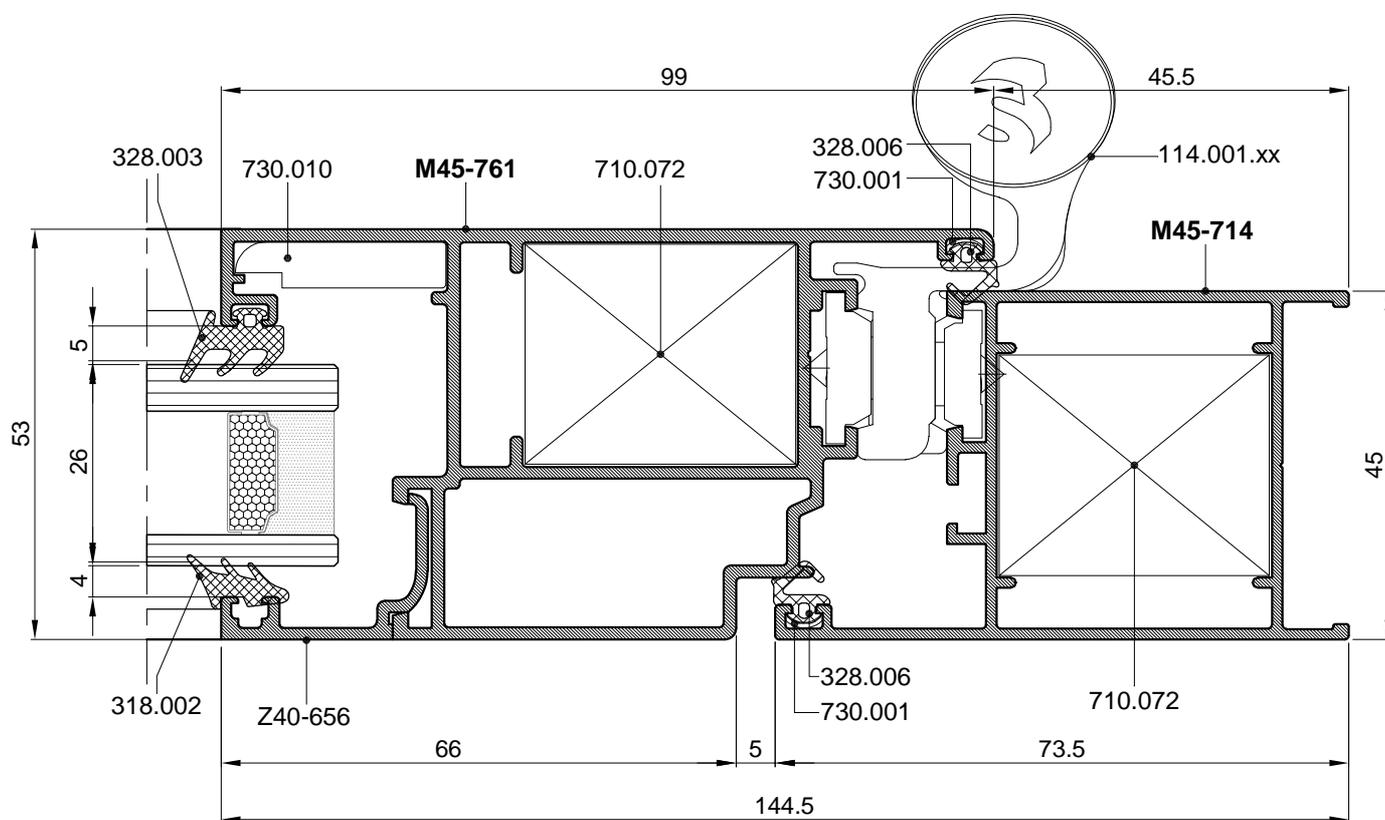
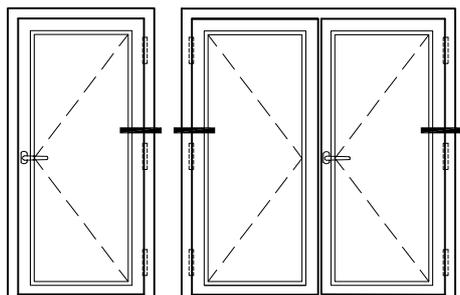
- Krilo vrata za bravu 35mm
- Brava 35mm sa jezičkom...(124.001)
- Door leaf for lock 35mm
- Lock 35mm with latchbolt...(124.001)



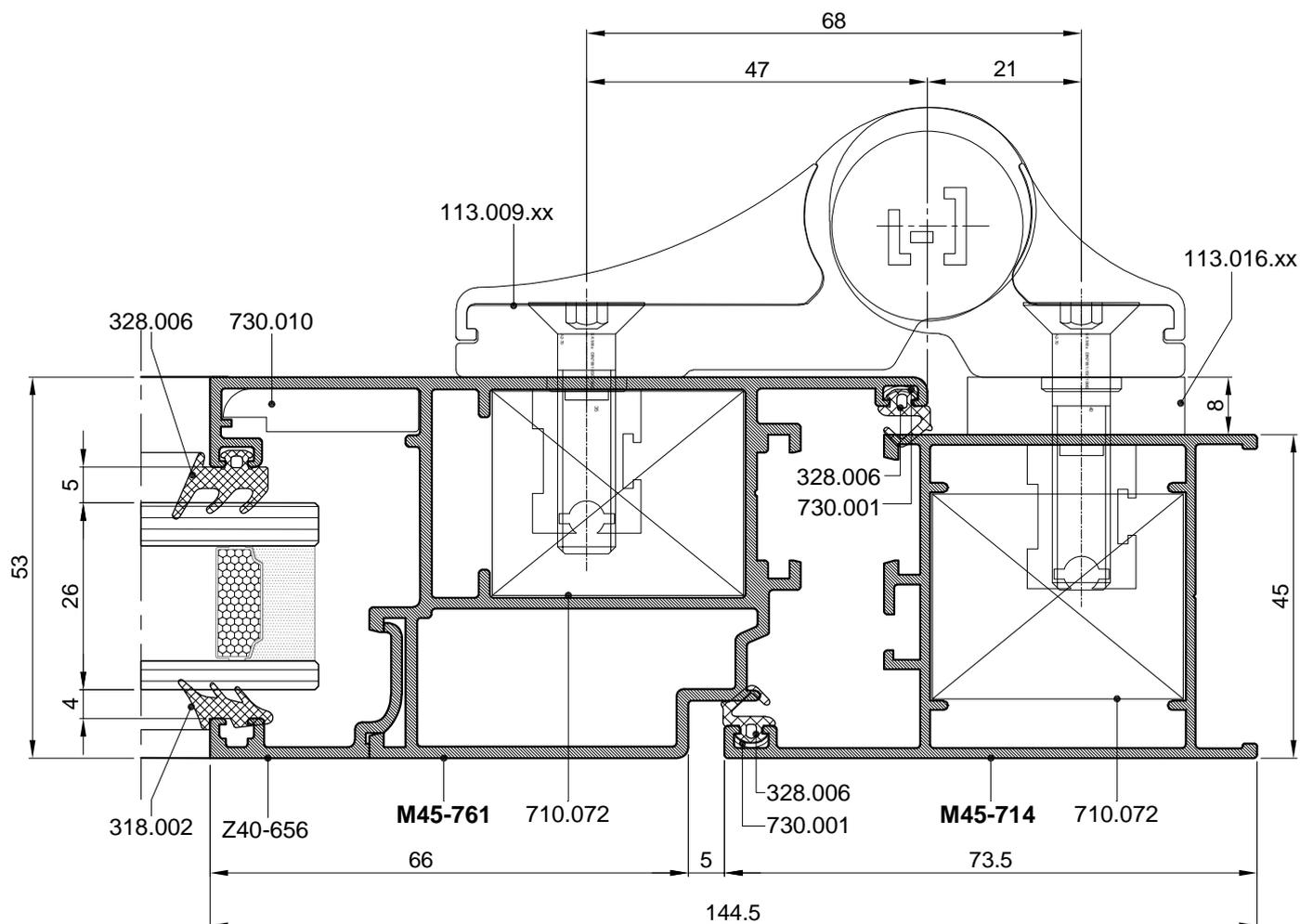
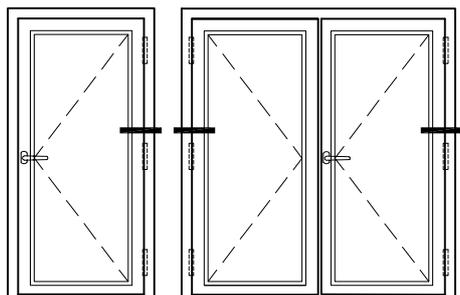


Napomena /Remark:

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

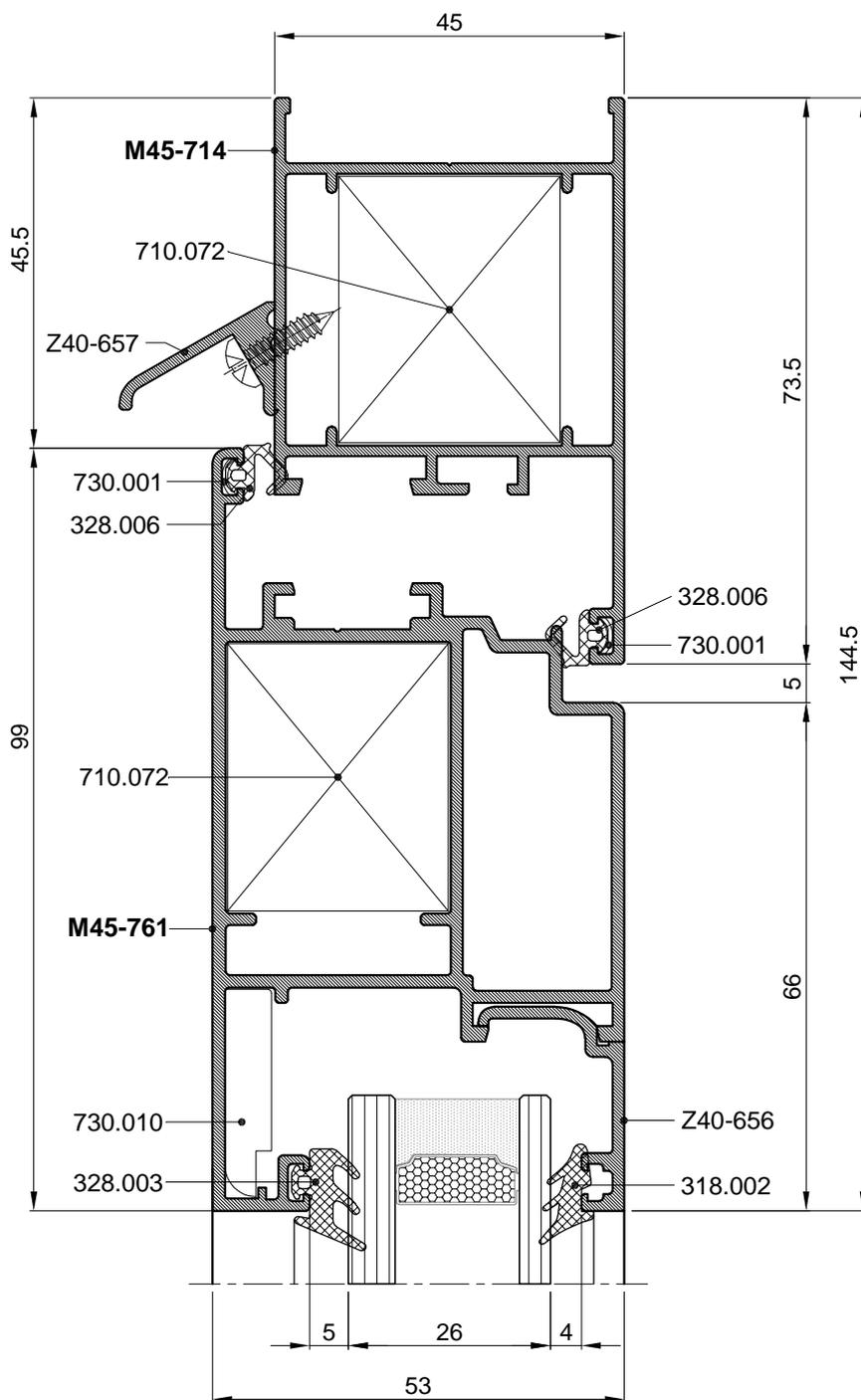
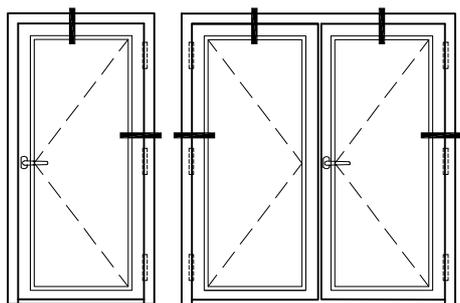


Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm

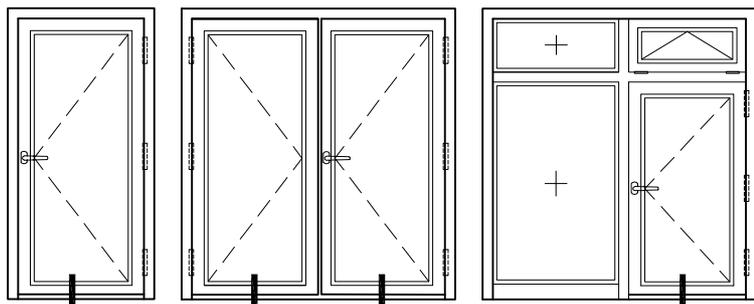


SET USADNIH BAGLAMA - OSNO 68 mm
 UGRAĐUJE SE U KRILO VRATA M45-761 (OTVARANJE VANI)
 SET OF SCREW-IN HINGES - AXIAL DISTANCE 68 mm
 INSTALLED IN DOOR LEAF M45-761 (OUTWARD OPENING)

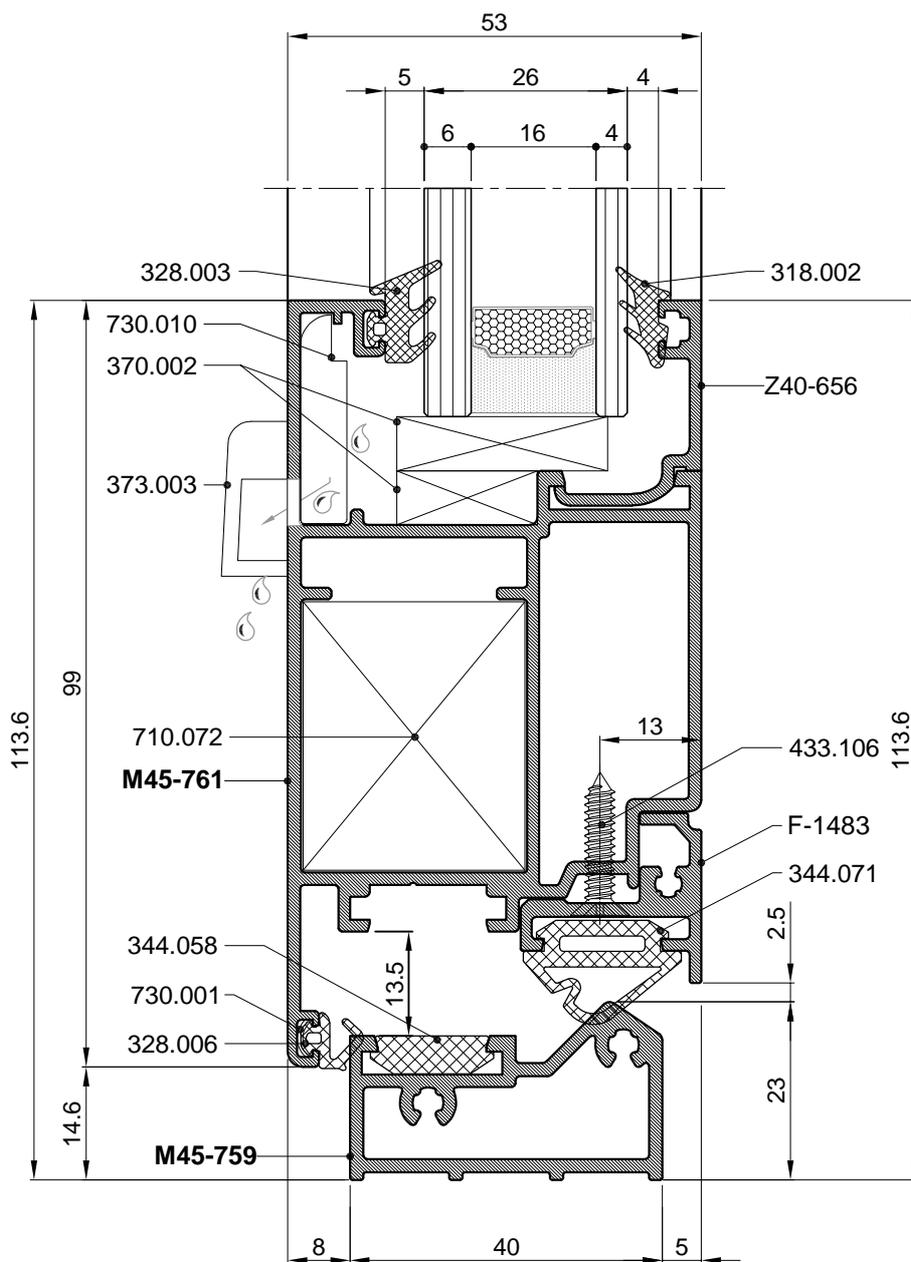
Napomena: Krilo vrata za bravu 35mm
 Remark: Door leaf for lock 35mm



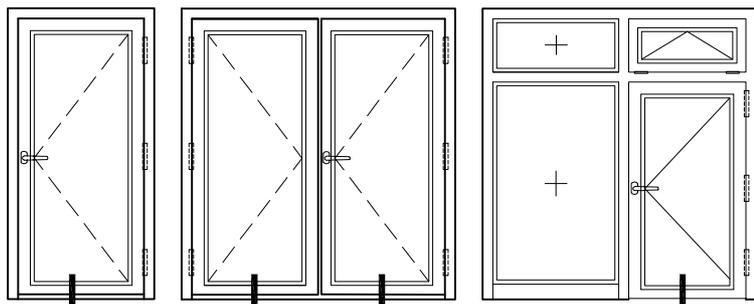
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



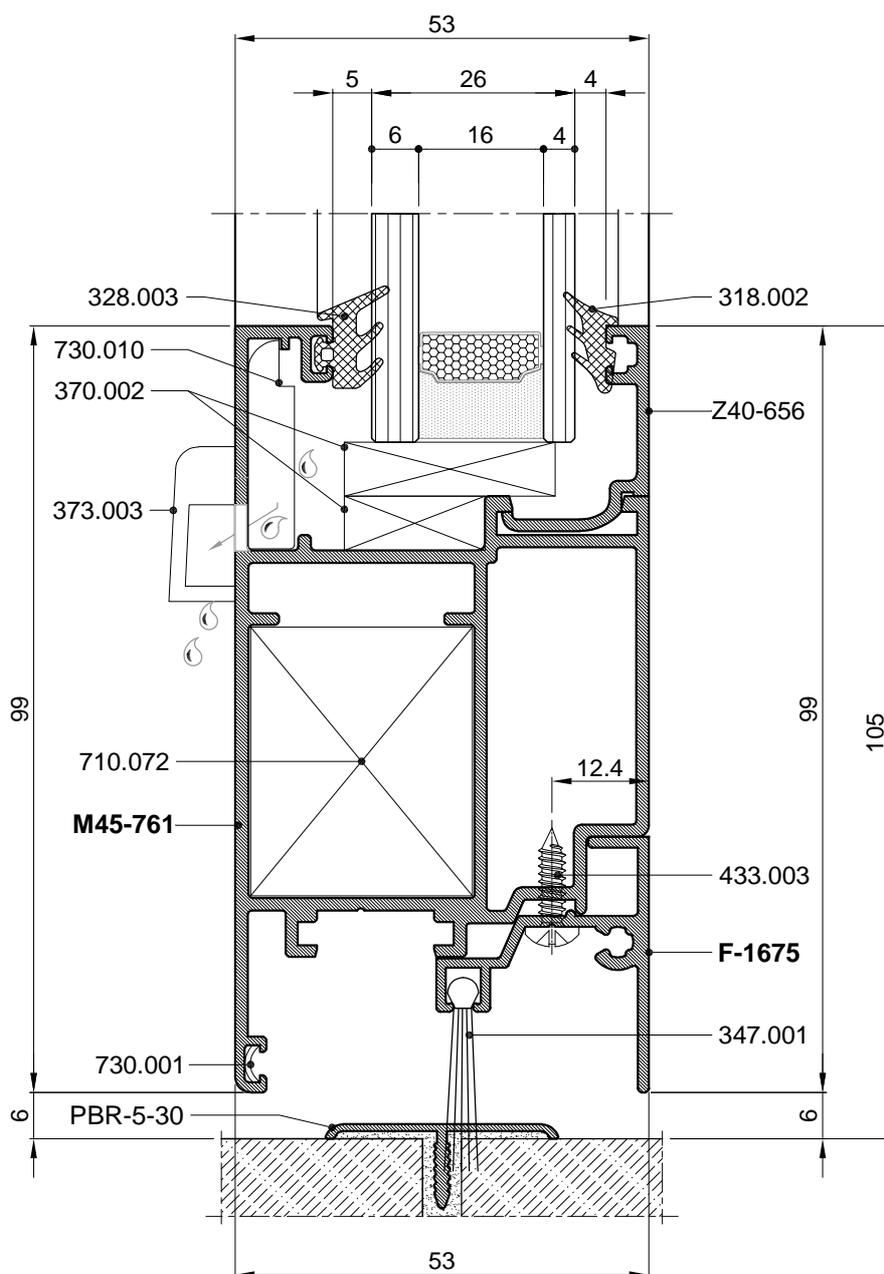
VRATA S PRAGOM
(OTVARANJE VANI)
DOOR WITH THRESHOLD
(OUTWARD OPENING)



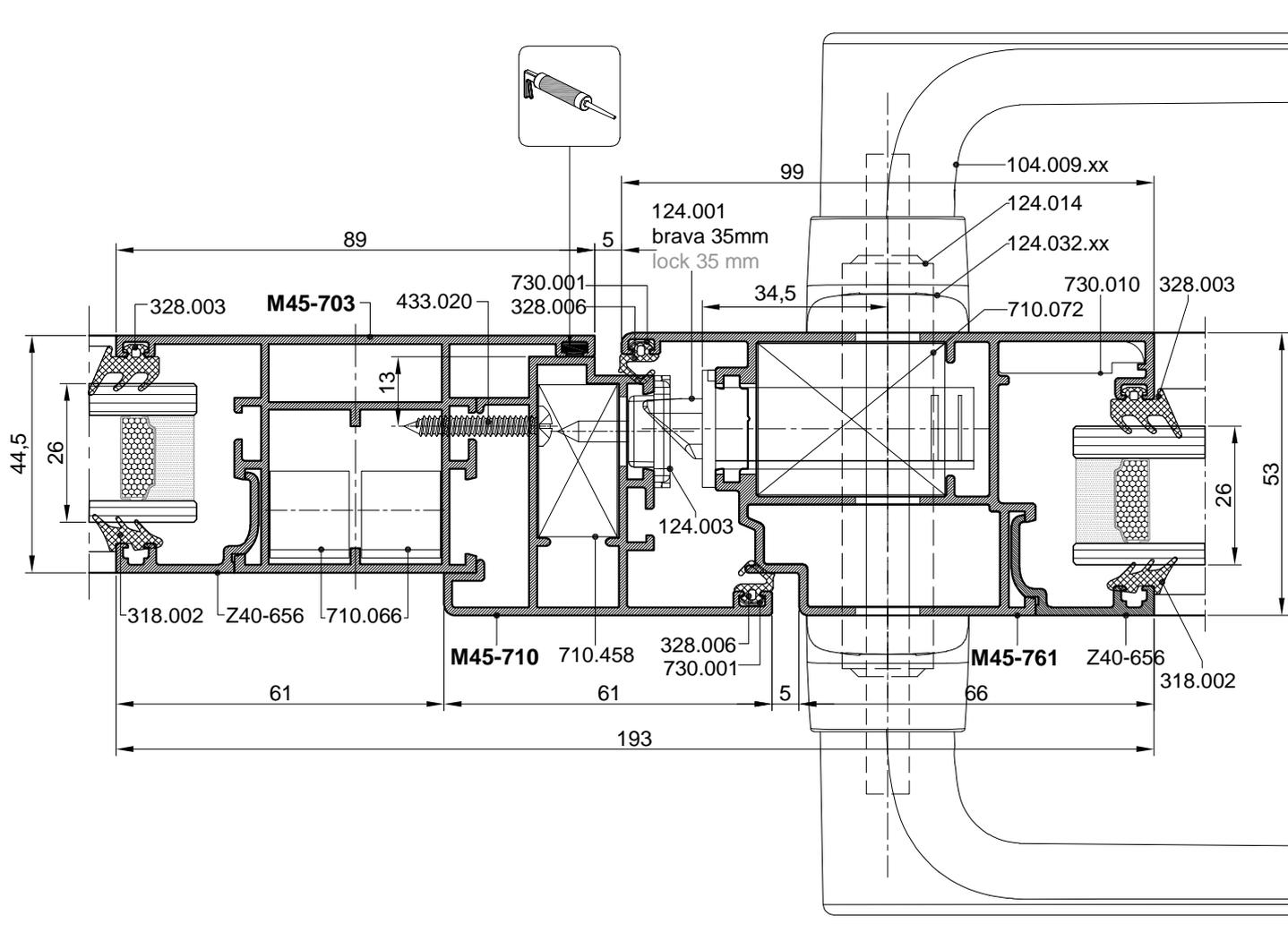
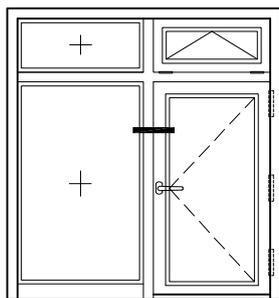
Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



VRATA BEZ PRAGA
(OTVARANJE VANI)
DOOR WITHOUT THRESHOLD
(OUTWARD OPENING)

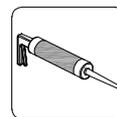


Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm



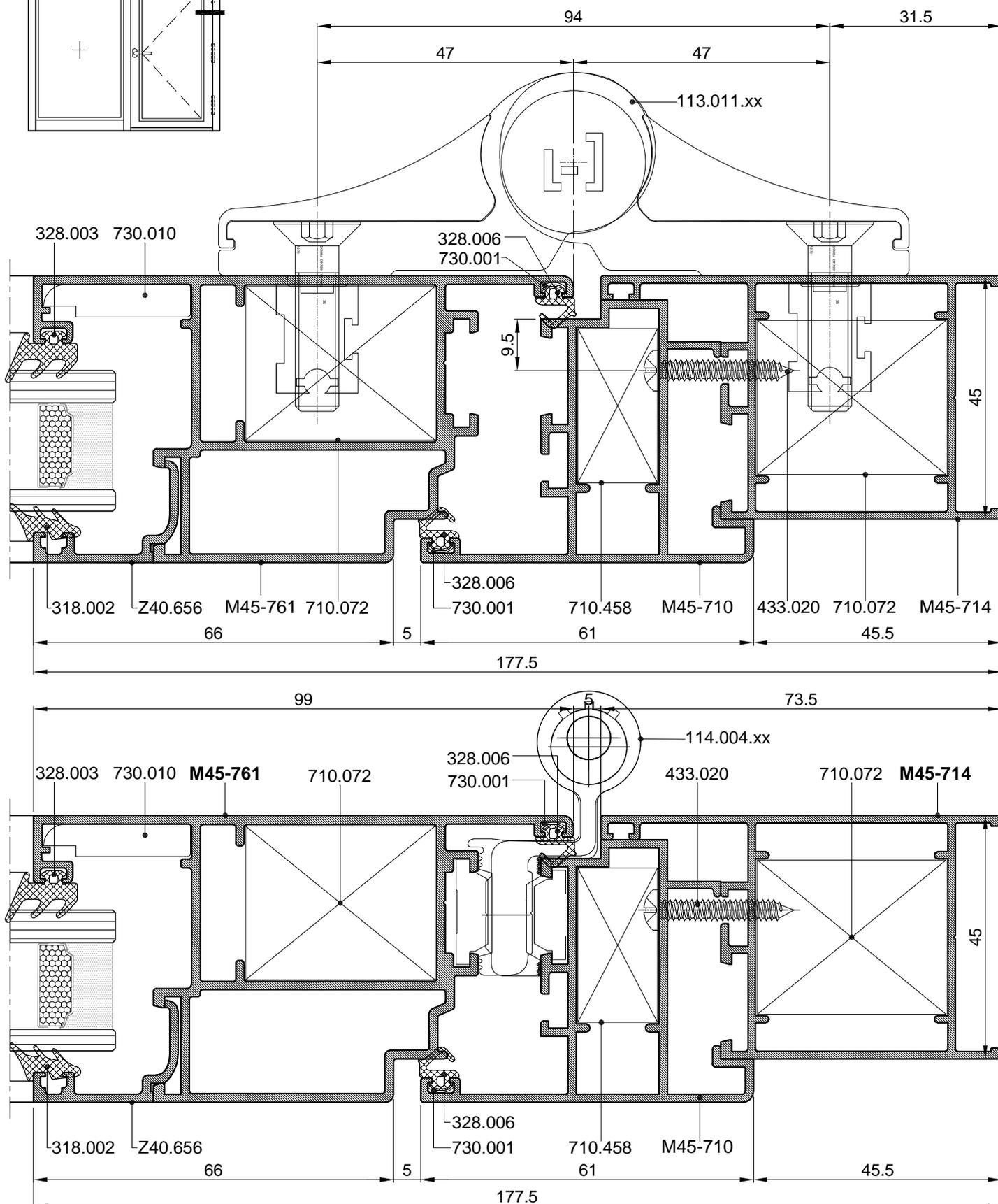
Napomena /Remark:

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

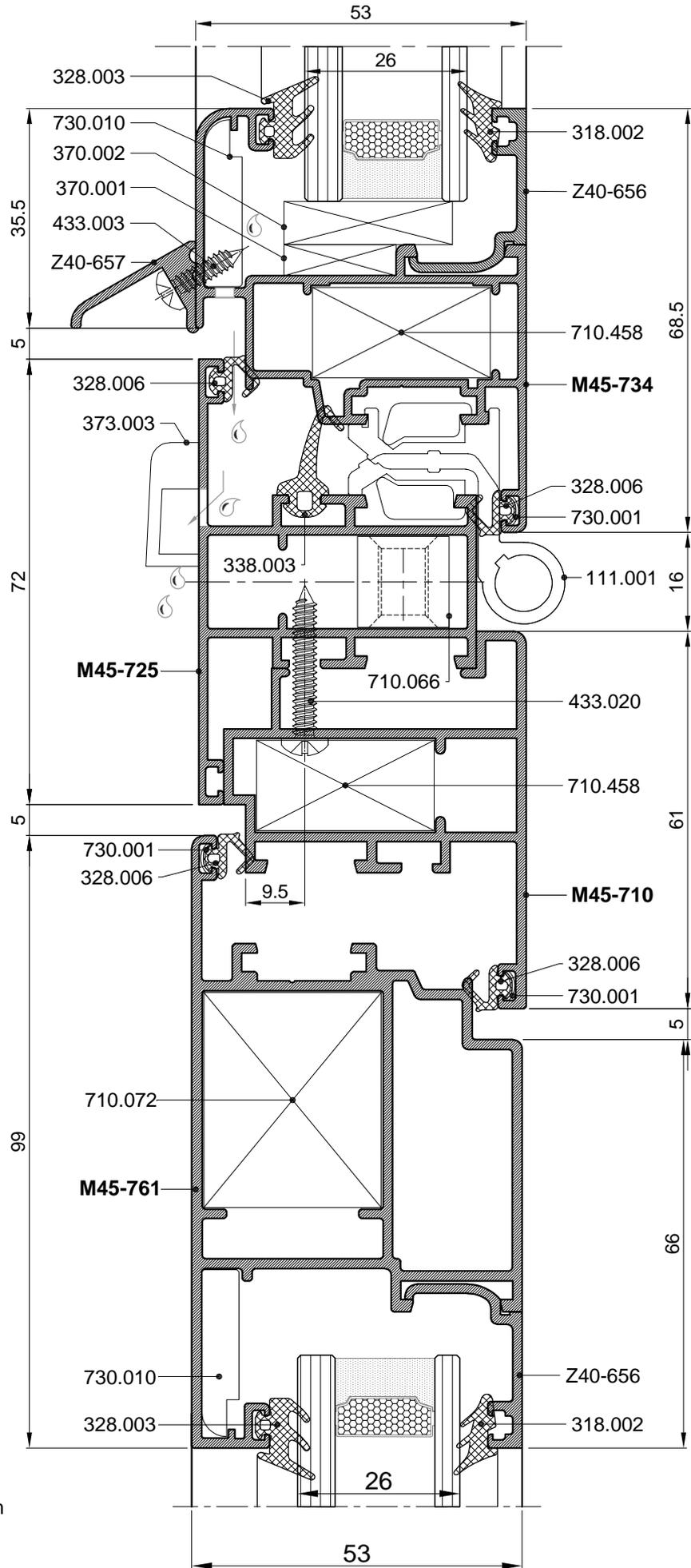
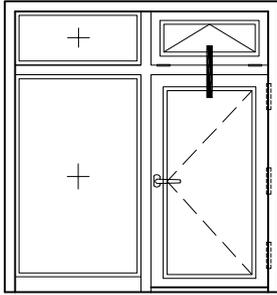


ljepilo za metal
(npr. Teroson MS 939)
metal glue
(eg. Teroson MS 939)

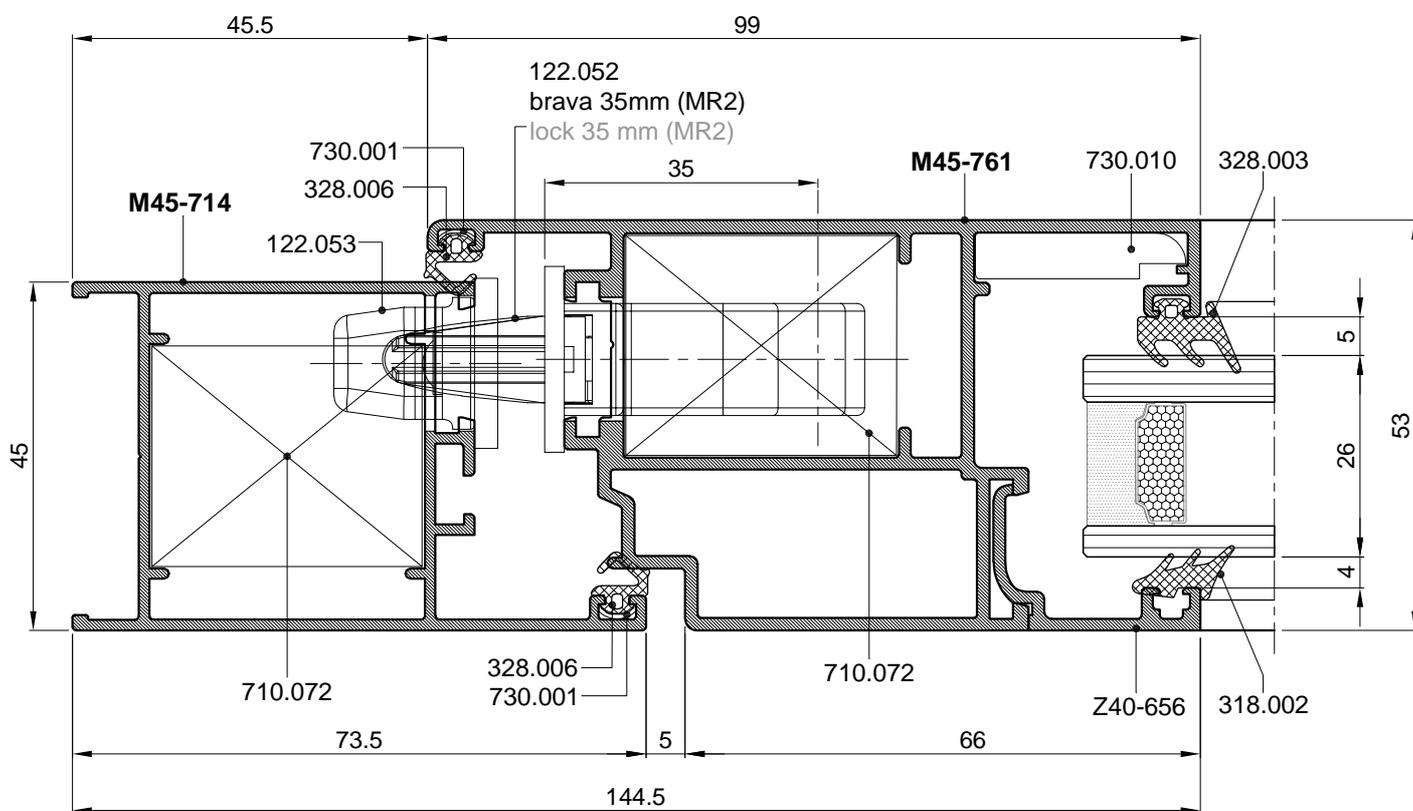
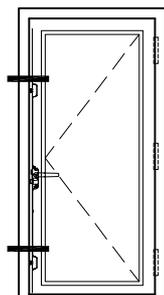
SET USADNIH BAGLAMA - OSNO 94 mm
UGRAĐUJE SE U KRILU VRATA M45-761 (OTVARANJE VANI)
SET OF SCREW-IN HINGES - AXIAL DISTANCE 94 mm
INSTALLED IN DOOR SASH M45-761 (OUTWARD OPENING)



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

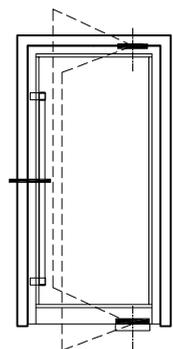


Napomena: Krilo vrata za bravu 35mm
Remark: Door leaf for lock 35mm

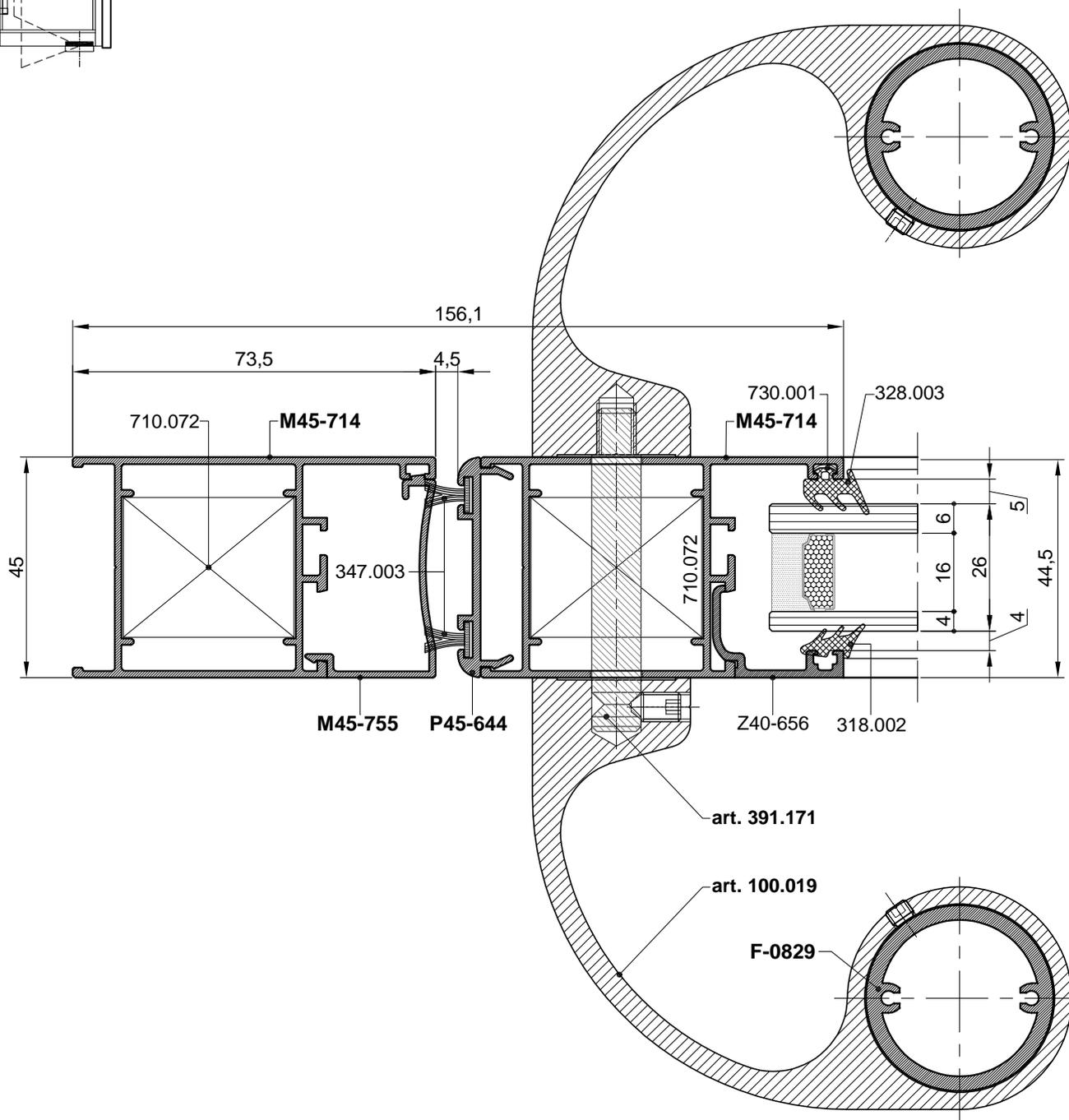


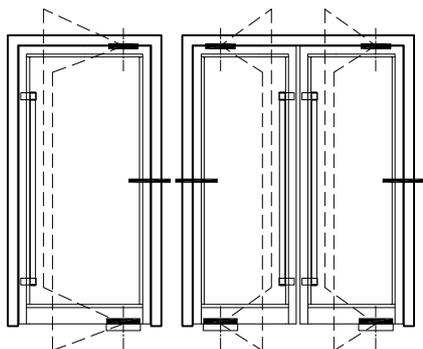
Napomena /Remark:

- Krilo vrata za bravu 35mm
- Sigurnosna brava 35mm sa 3 mjesta ključanja -(MR2)...(122.052)
- Door leaf for lock 35mm
- Safety lock 35mm with 3 locking point -(MR2)...(122.052)

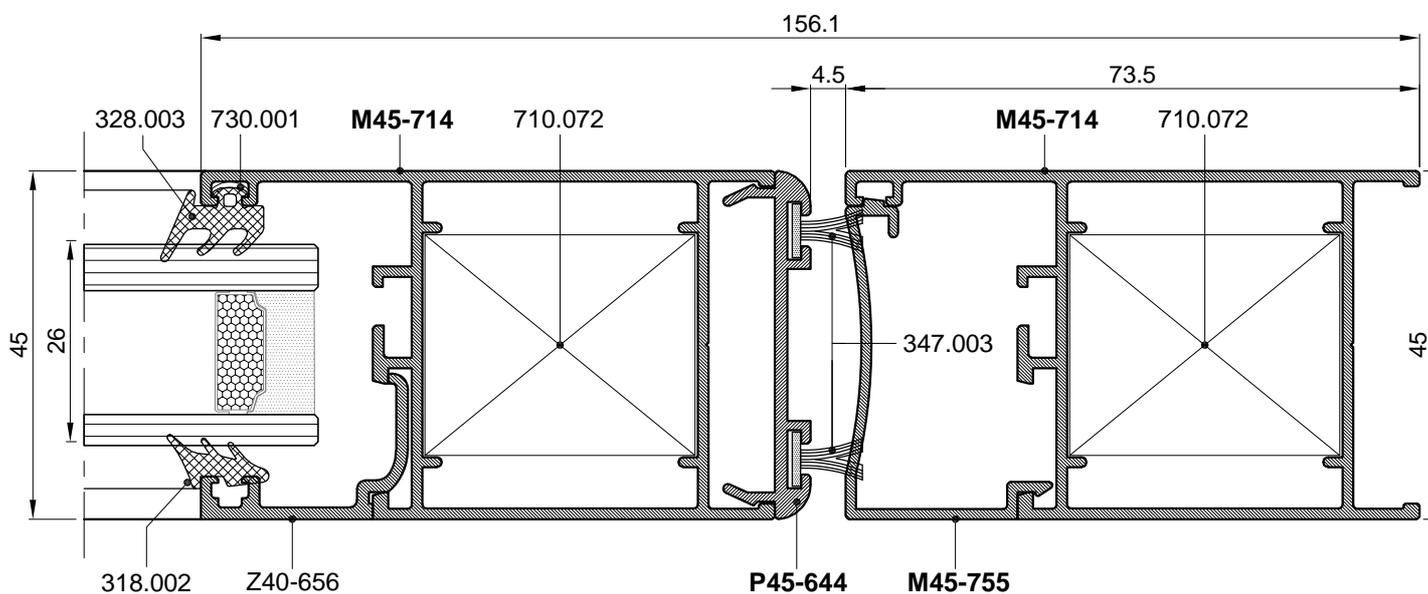


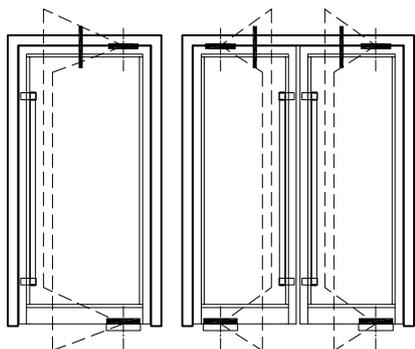
MIMOKRETNNA VRATA
PUSH AND PULL DOORS



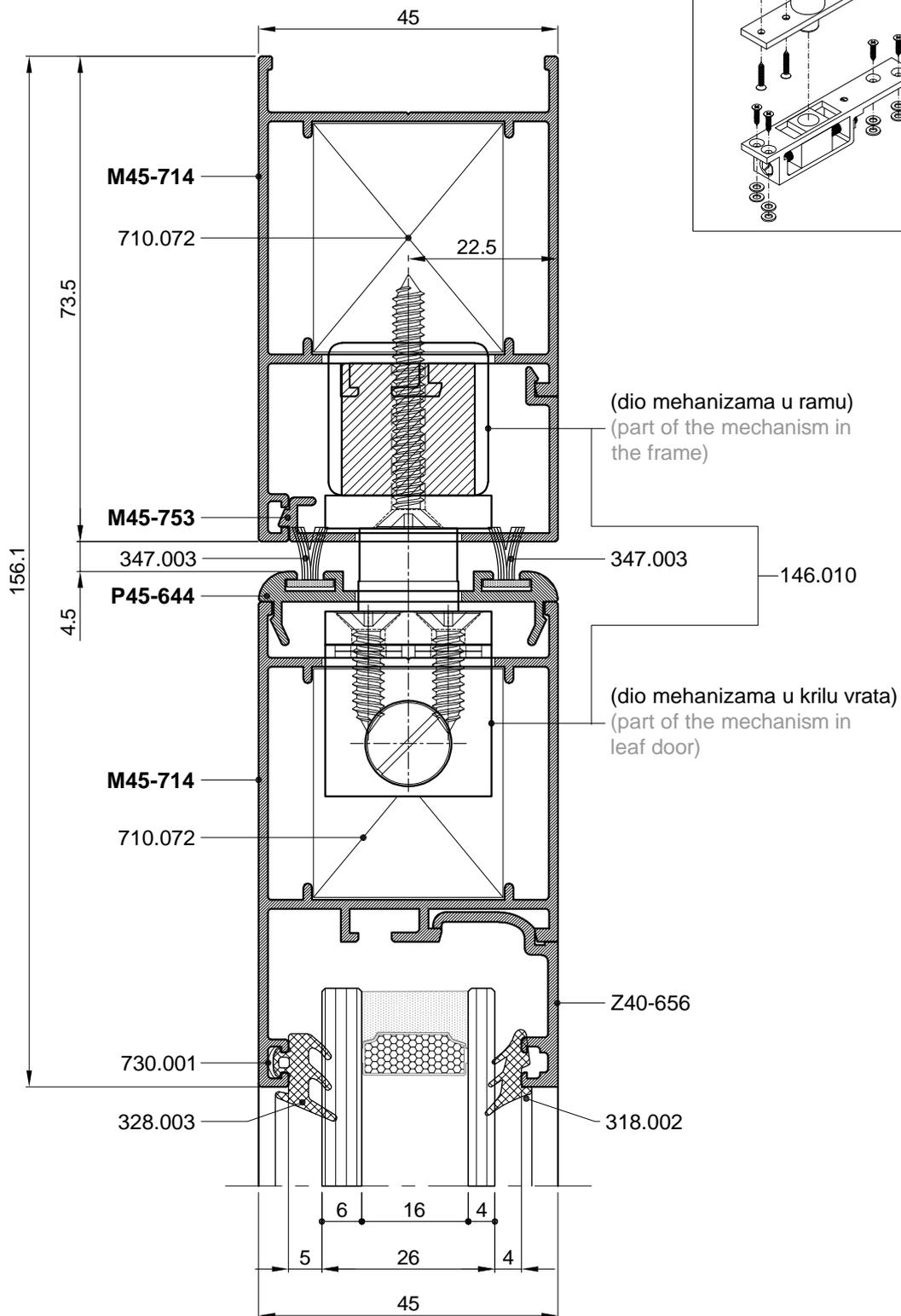
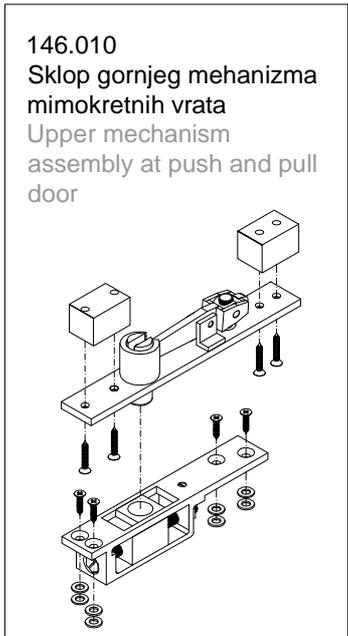


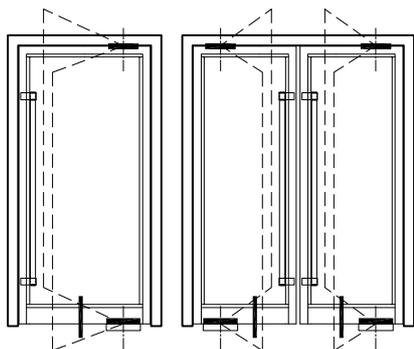
MIMOKRETNNA VRATA
PUSH AND PULL DOORS



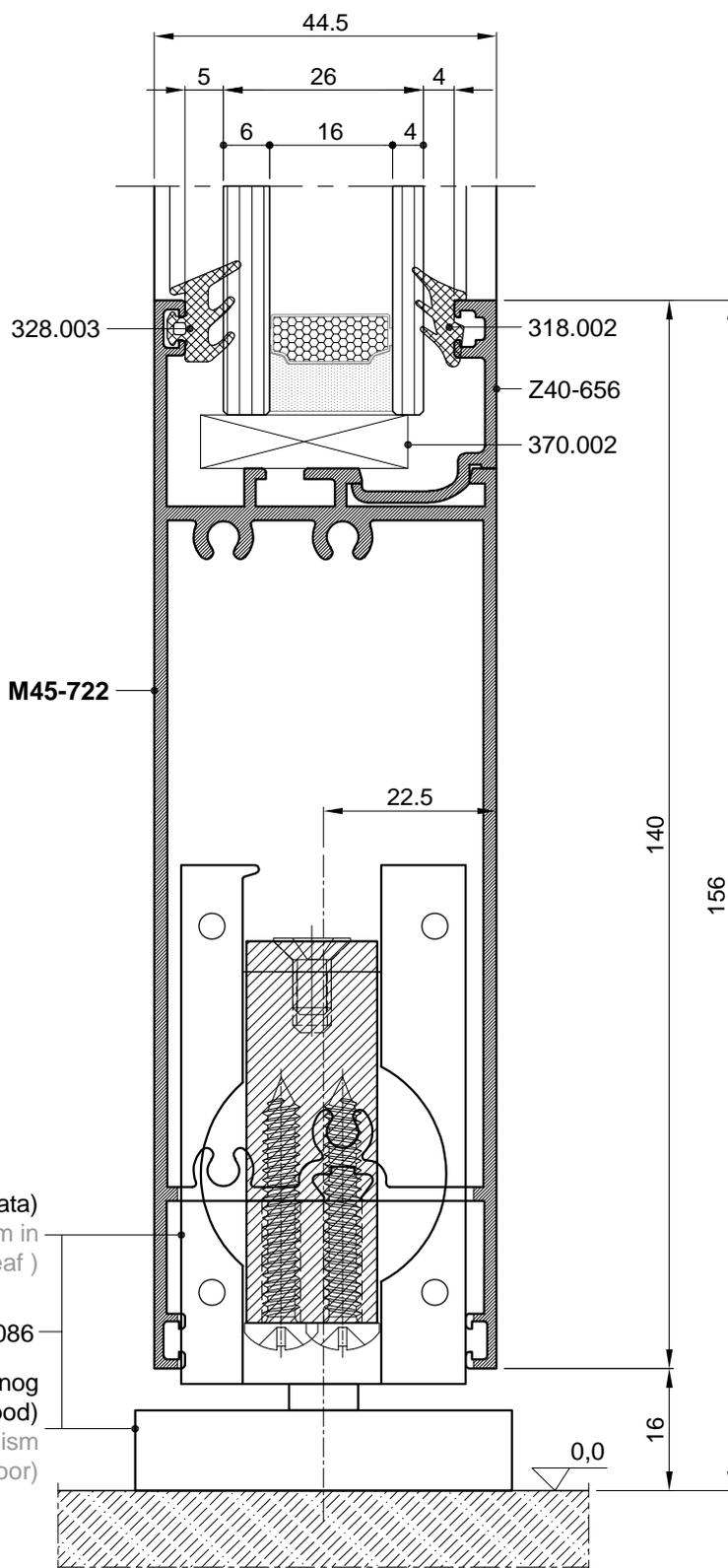
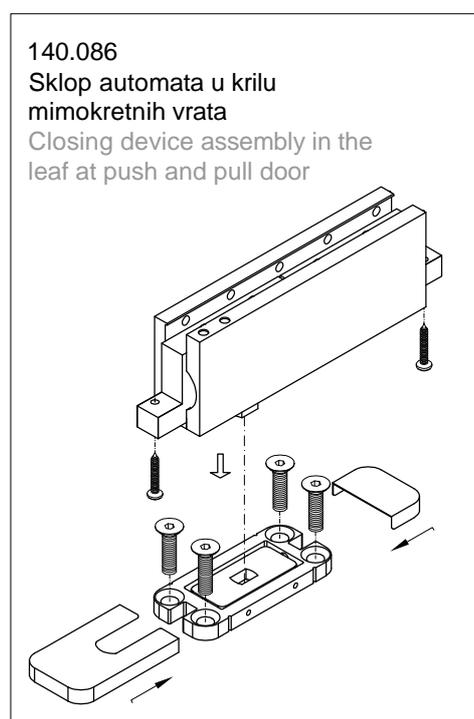


MIMOKRETNA VRATA
PUSH AND PULL DOORS





MIMOKRETNNA VRATA
PUSH AND PULL DOORS

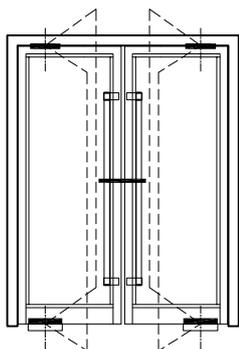


(dio mehanizama u krilu vrata)
(part of the mechanism in
the door leaf)

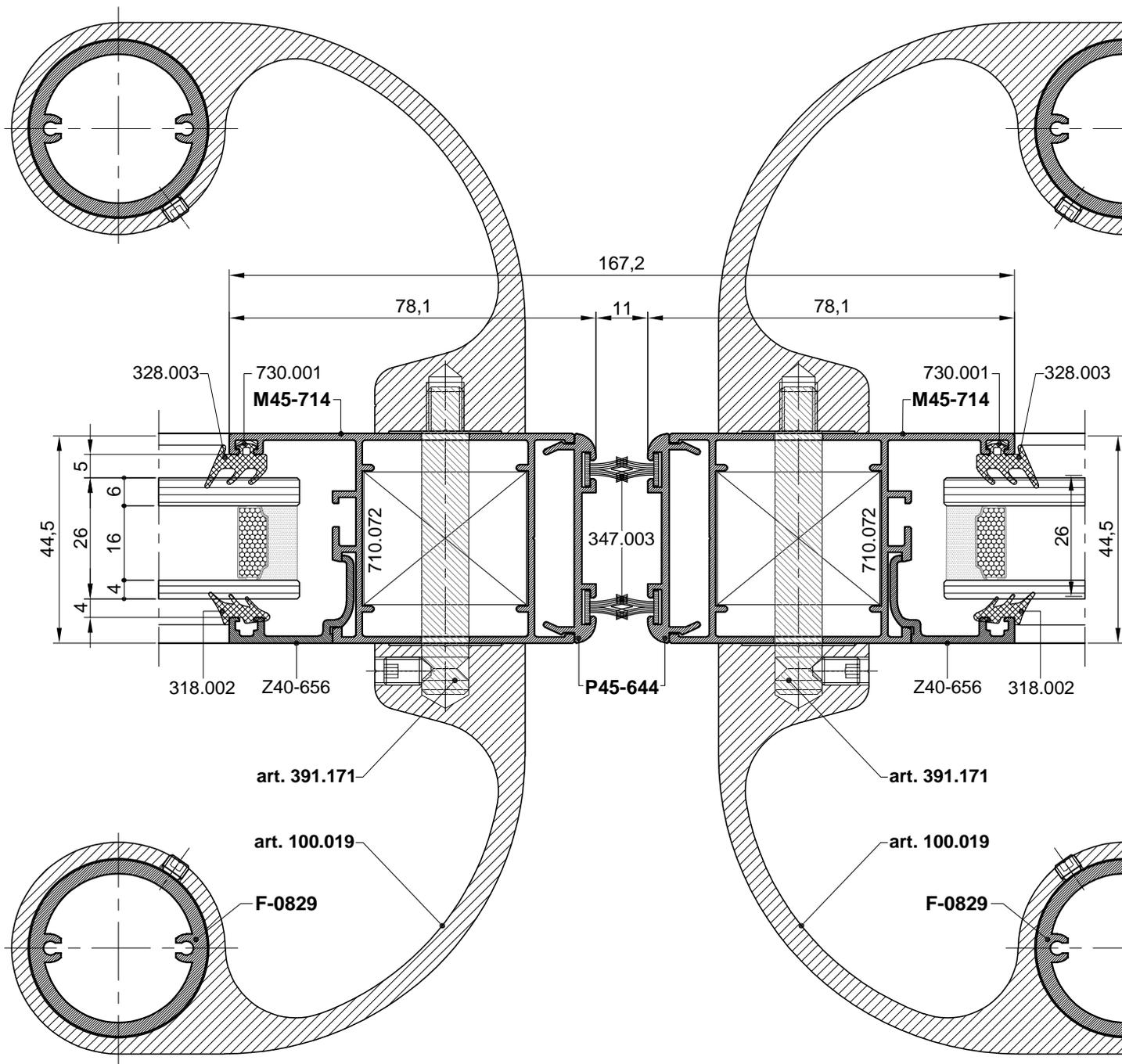
140.086

(dio mehanizama ugrađenog
na gotov pod)
(part of the mechanism
installed on the finished floor)

0,0 kota gotovog poda
▽ 0,0 height of the finished floor



MIMOKRETNNA VRATA
PUSH AND PULL DOORS



FEAL



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Scan the QR code and register on partner.feal.ba

45 MILL

Knjiga A / *Book A*

Kolovoz 2025. / *August 2025*

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