FEAL



FR 18

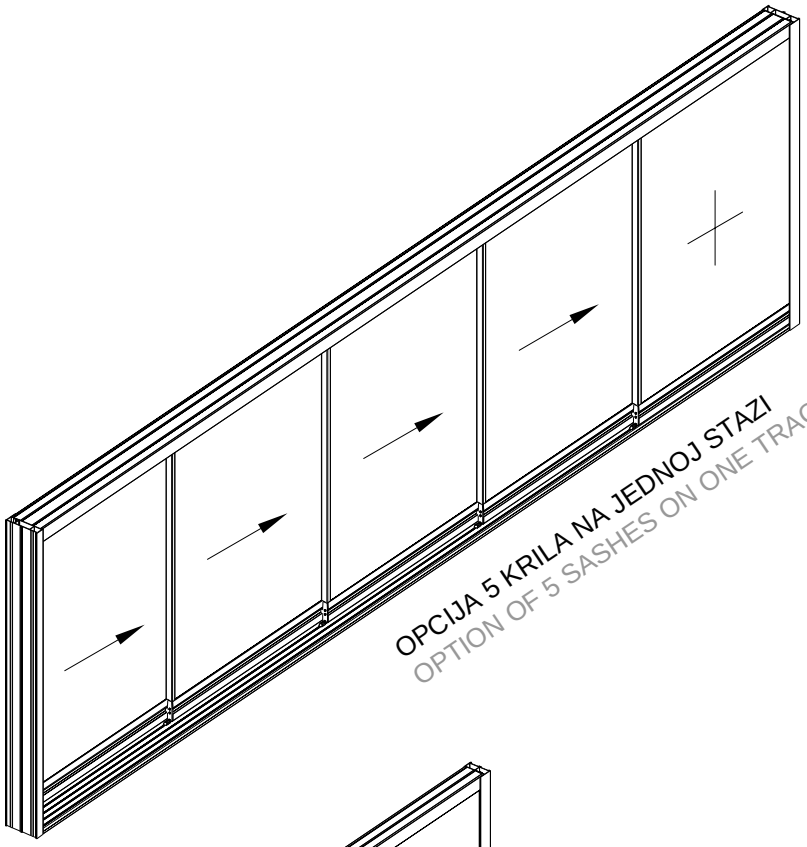
STAKLENA KLIZNA STIJENA

SLIDING GLASS WALL

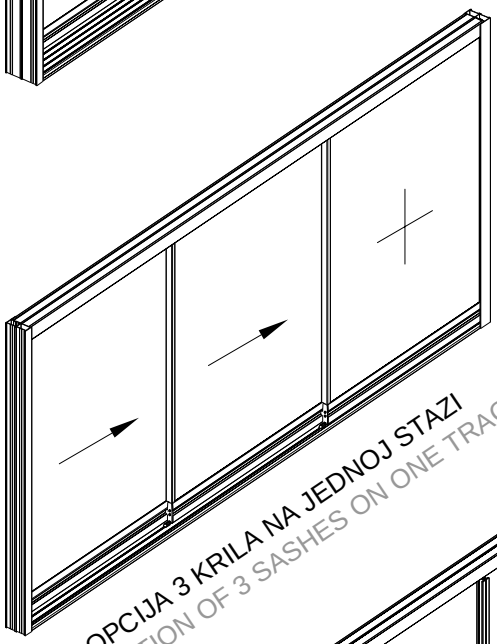
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Značajke sistema
System characteristics



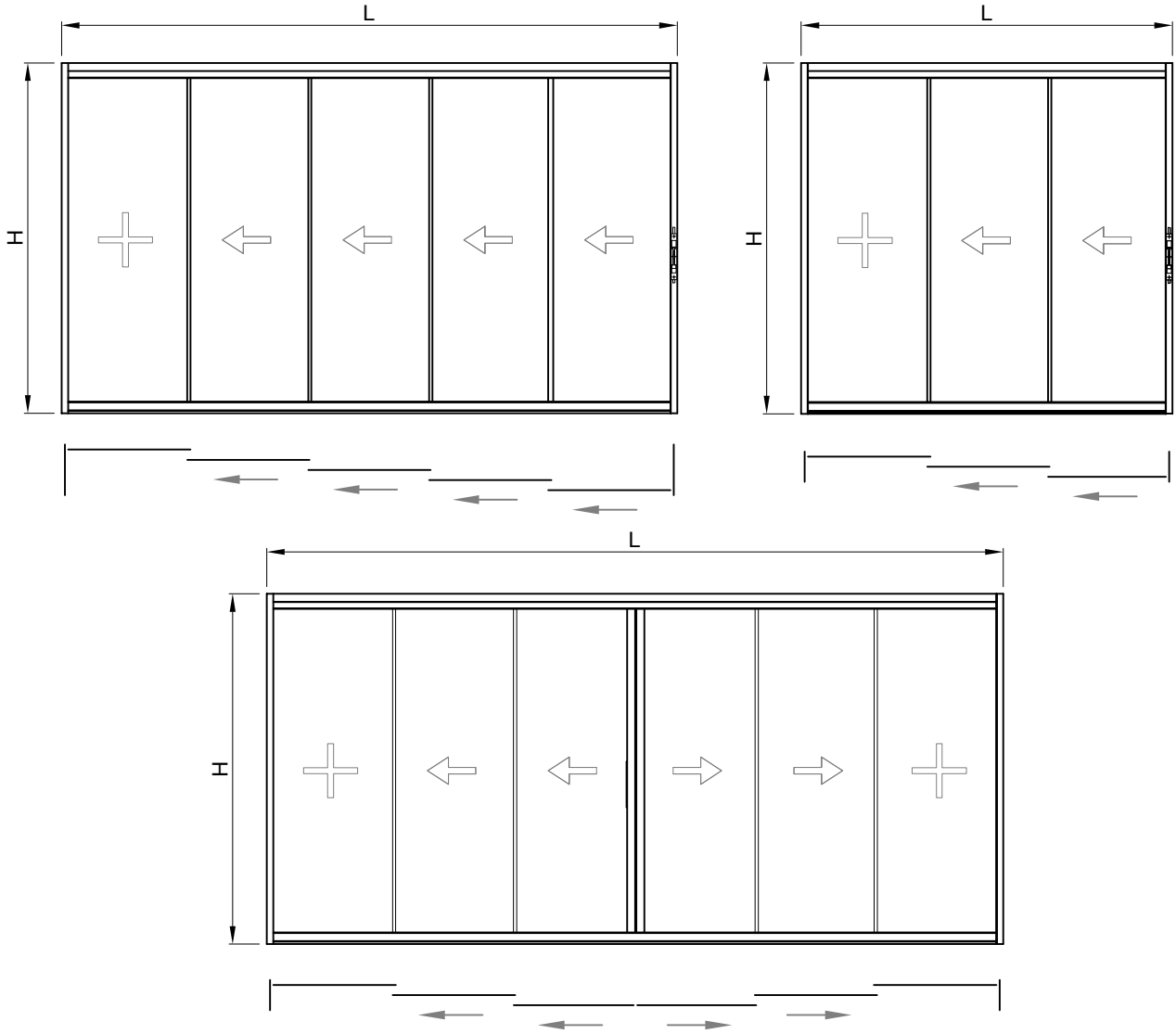
OPCIJA 5 KRILA NA JEDNOJ STAZI
OPTION OF 5 SASHES ON ONE TRACK



OPCIJA 3 KRILA NA JEDNOJ STAZI
OPTION OF 3 SASHES ON ONE TRACK

OPCIJA 6 KRILA NA JEDNOJ STAZI
OPTION OF 6 SASHES ON ONE TRACK

Opis sistema kliznih staklenih stijena **FR-18**
Sliding glass wall **FR-18** system description



Serija je namijenjena za izradu kliznih staklenih stijena na objektima gdje se ne traži visok stupanj toplinske izolacije, odnosno za ostakljenje balkona, terasa, natkrivenih bazena itd., sa mogućnošću otvaranja prema unutra i prema vani.
Odlikuje se jednostavnošću, raznovrsnim tipologijama izrade te je estetski prihvatljiva sa modernim linijama profila.
Nadopunjuje se na FEAL serije fiksnih i pokretnih pergola.

Tehničke karakteristike:

- Dubina okvira: 120 mm (5 staza) / 77 mm (3 staze)
- Dubina krila: 18 mm
- Dubina ispune: 8 - 10 mm

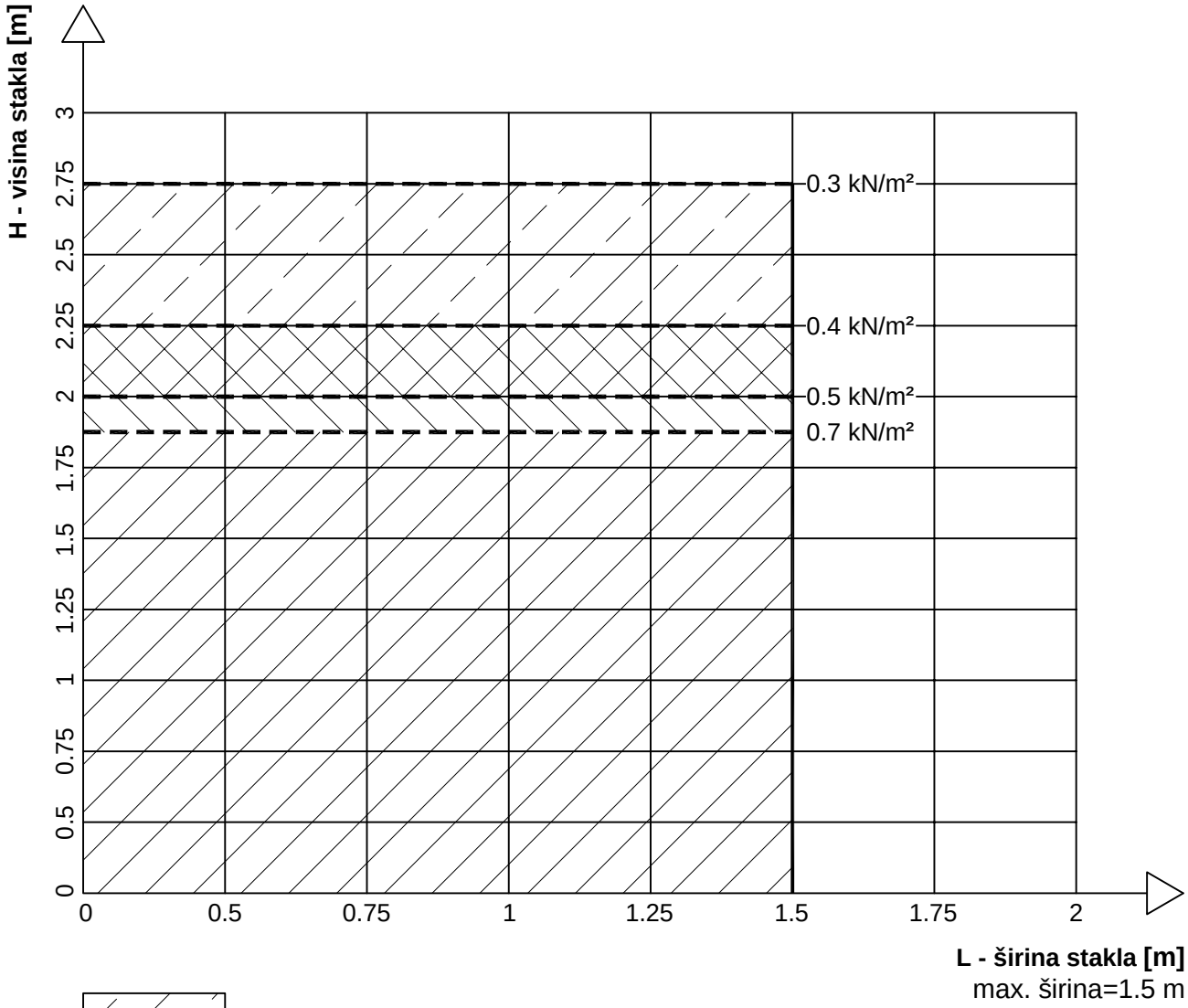
Series is intended to be used in production sliding glass walls on facilities which do not require high level of thermal insulation, i.e. for glazing balconies, terraces, covered swimming pools, etc., with the possibility of opening on the inside and on the outside.
It is characterized with simplicity, variety of production typology and it is aesthetically pleasing with modern profile contours.
It complements the FEAL series of fixed and movable pergolas.

Technical features:

- Frame depth: 120 mm (5 tracks or rails) / 77mm (3 tracks or rails)
- Sash/wing depth: 18 mm
- Infill depth: 8 - 10 mm

Ispitivanja i certifikati
Testing and certificates

- Dijagram dopuštene visine stakla na osnovu opterećenja vjetrom
-Diagram of recommended glass height based on wind load



Max. visina stakla za opterećenje vjetrom od 300 Pa

Max. visina stakla za opterećenje vjetrom od 400 Pa

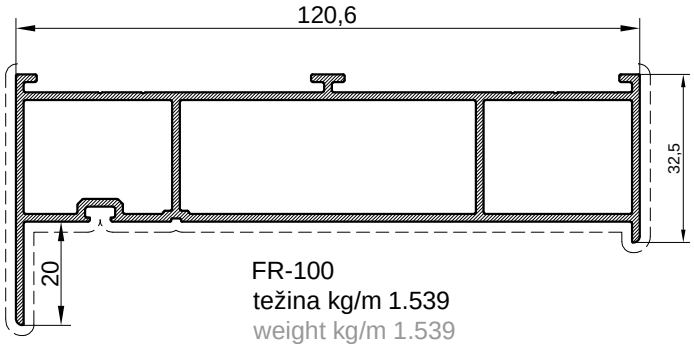
Max. visina stakla za opterećenje vjetrom od 500 Pa

Max. visina stakla za opterećenje vjetrom od 700 Pa

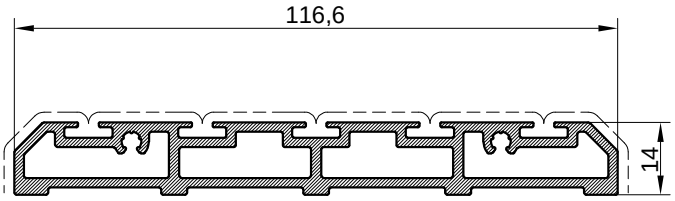
Pa(N/m²)	300	400	500	700
kPa(kN/m²)	0.3	0.4	0.5	0.7
km/h	79.6	89.6	100.1	118.5
m/s	22.1	24.9	27.8	32.9

Max. omjer visine i širine stakla
H:L≤ 2.5
Max. glass height to glass ratio
H:L≤ 2.5

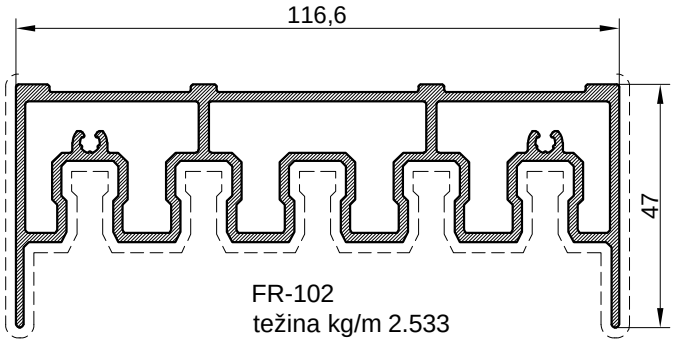
Profili
Profiles



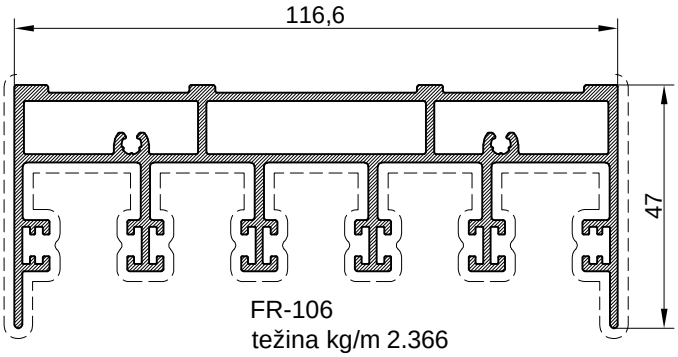
FR-100
težina kg/m 1.539
weight kg/m 1.539



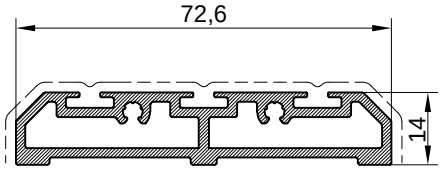
FR-101
težina kg/m 1.667
weight kg/m 1.667



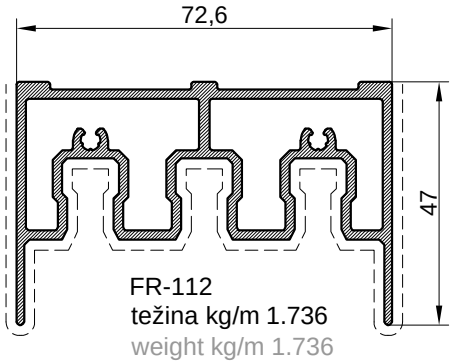
FR-102
težina kg/m 2.533
weight kg/m 2.533



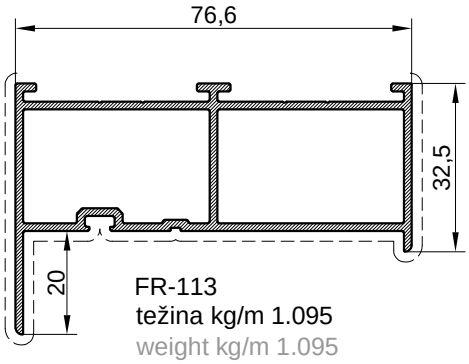
FR-106
težina kg/m 2.366
weight kg/m 2.366



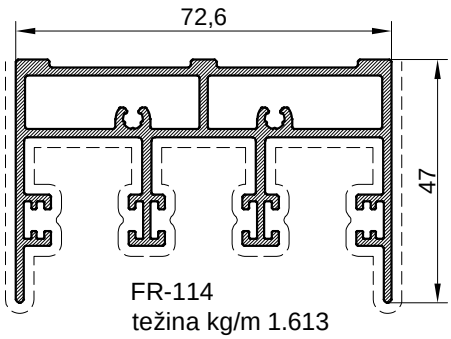
FR-111
težina kg/m 1.05
weight kg/m 1.05



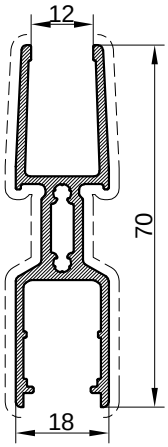
FR-112
težina kg/m 1.736
weight kg/m 1.736



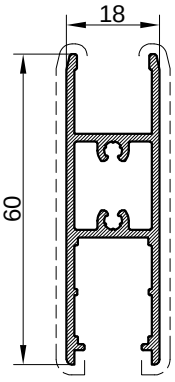
FR-113
težina kg/m 1.095
weight kg/m 1.095



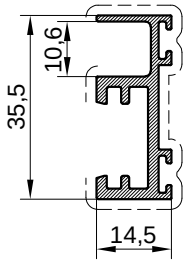
FR-114
težina kg/m 1.613
weight kg/m 1.613



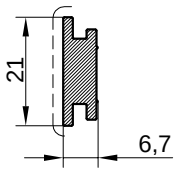
FR-116
težina kg/m 0.81
weight kg/m 0.81



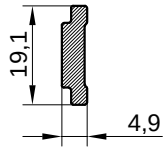
FR-103
težina kg/m 0.701
weight kg/m 0.701



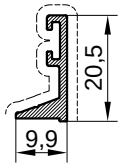
FR-115
težina kg/m 0.42
weight kg/m 0.42



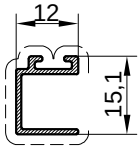
F-1749
težina kg/m 0.284
weight kg/m 0.284



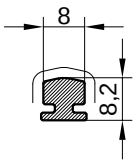
F-1743
težina kg/m 0.204
weight kg/m 0.204



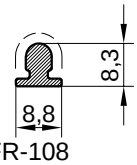
FR-105
težina kg/m 0.142
weight kg/m 0.142



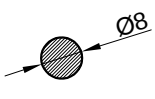
FR-107
težina kg/m 0.180
weight kg/m 0.180



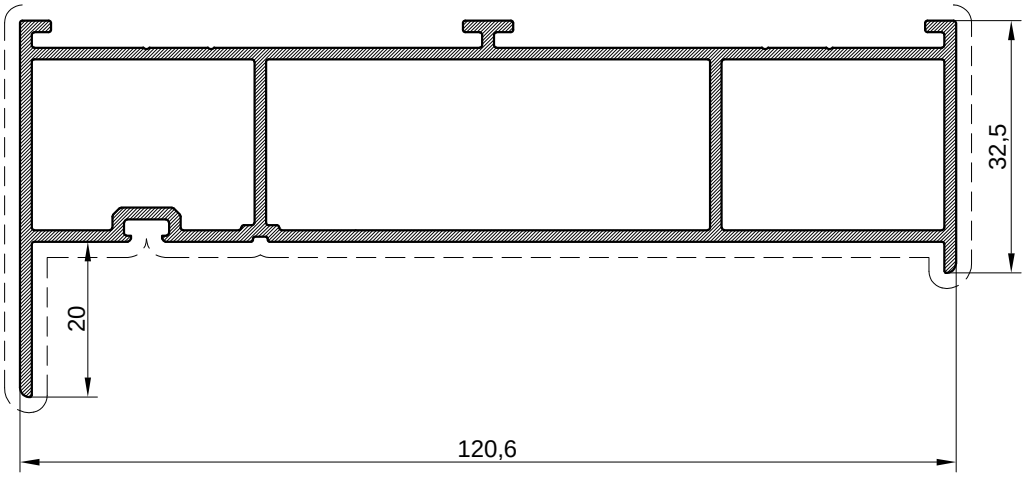
FR-104
težina kg/m 0.154
weight kg/m 0.154



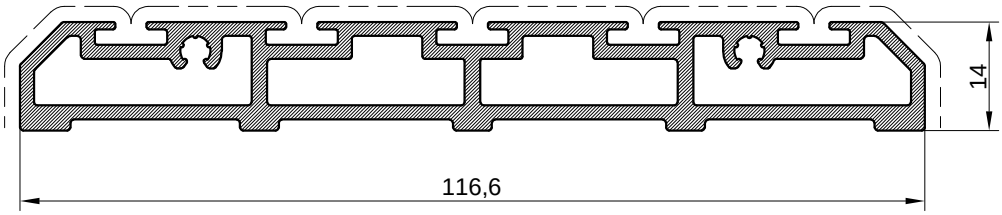
FR-108
težina kg/m 0.114
weight kg/m 0.114



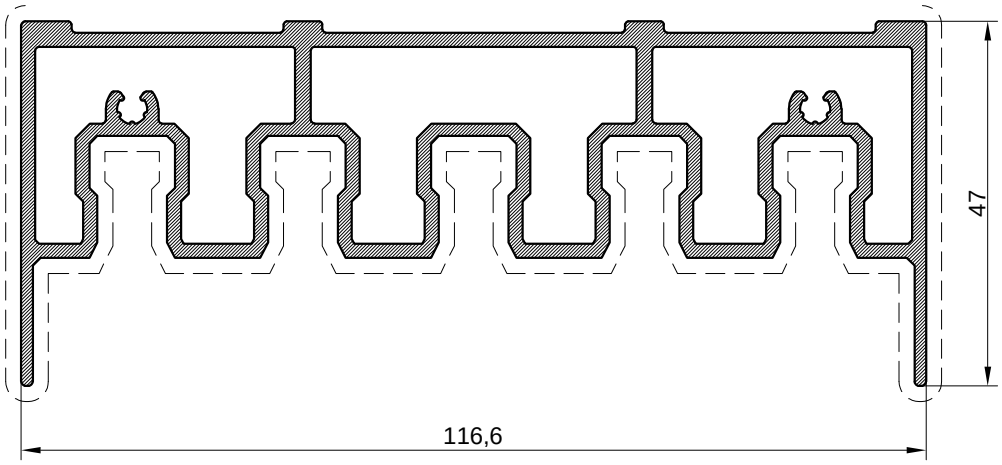
F-0022
težina kg/m 0.135
weight kg/m 0.135



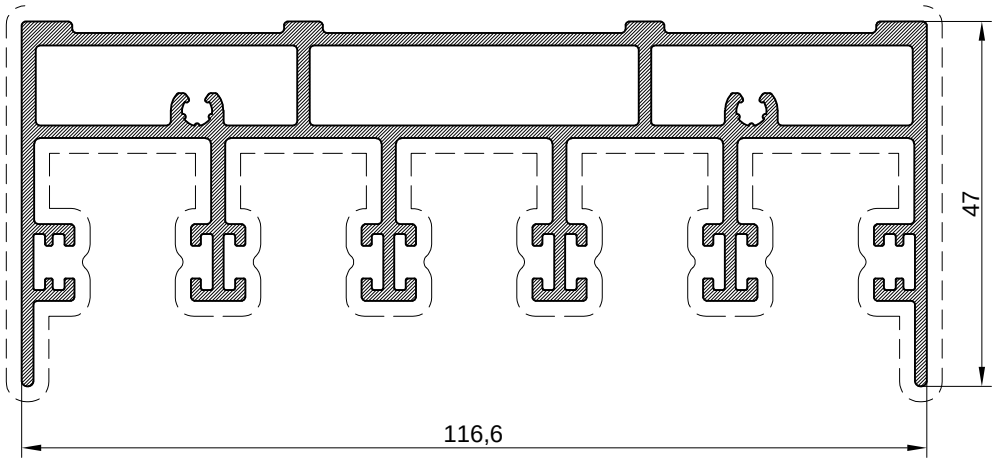
Al profil Al profile		
Art.Br. Art.Nr.	**FR-100**	
Težina Weight	kg/m'	**1.539**
Opseg Perimeter	mm	**386.35**
Moment inercije Moments of inertia	Ix (cm4)	**7.9303**
	Iy (cm4)	**92.936**
	Wx (cm3)	**2.4915**
	Wy (cm3)	**14.619**
L	mm	**6500**



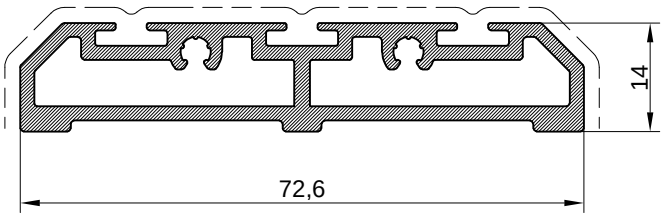
Al profil Al profile		
Art.Br. Art.Nr.	**FR-101**	
Težina Weight	kg/m'	**1.667**
Opseg Perimeter	mm	**340.96**
Moment inercije Moments of inertia	Ix (cm4)	**1.3627**
	Iy (cm4)	**73.401**
	Wx (cm3)	**1.8847**
	Wy (cm3)	**12.590**
L	mm	**6500**



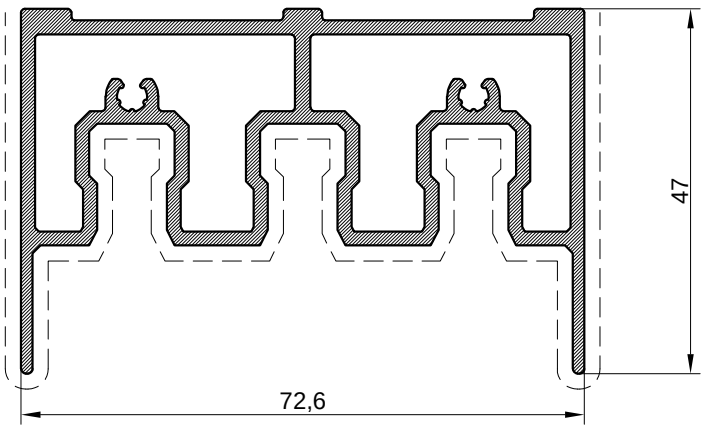
Al profil Al profile		
Art.Br. Art.Nr.	**FR-102**	
Težina Weight	kg/m'	**2.533**
Opseg Perimeter	mm	**522.15**
Moment inercije Moments of inertia	Ix (cm4)	**11.701**
	Iy (cm4)	**136.059**
	Wx (cm3)	**3.8040**
	Wy (cm3)	**23.3376**
L	mm	**6500**



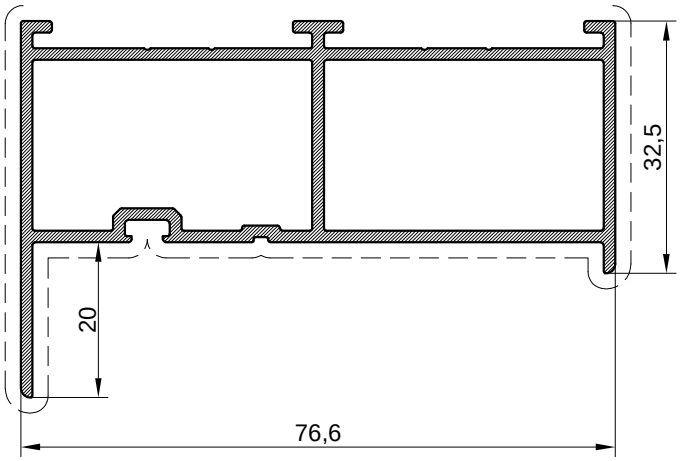
Al profil Al profile		
Art.Br. Art.Nr.	**FR-106**	
Težina Weight	kg/m'	**2.366**
Opseg Perimeter	mm	**748.46**
Moment inercije Moments of inertia	Ix (cm4)	**12.6515**
	Iy (cm4)	**125.2443**
	Wx (cm3)	**4.1671**
	Wy (cm3)	**21.4827**
L	mm	**6500**



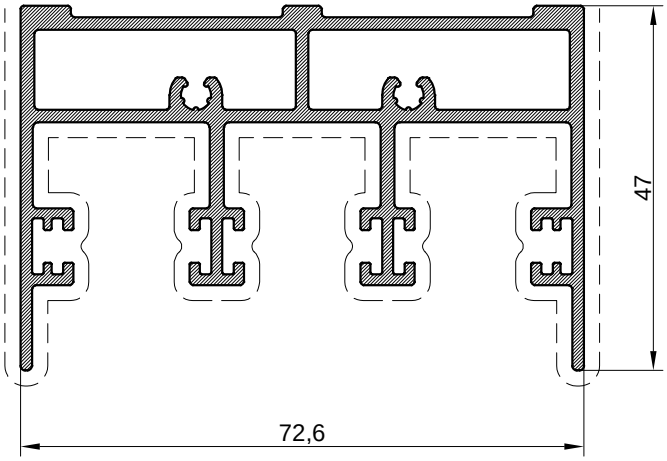
Al profil Al profile		
Art.Br. Art.Nr.	**FR-111**	
Težina Weight	kg/m'	**1.05**
Opseg Perimeter	mm	**217.42**
Moment inercije Moments of inertia	Ix (cm4)	**0.8449**
	Iy (cm4)	**18.1101**
	Wx (cm3)	**1.1686**
	Wy (cm3)	**0.8449**
L	mm	**6500**



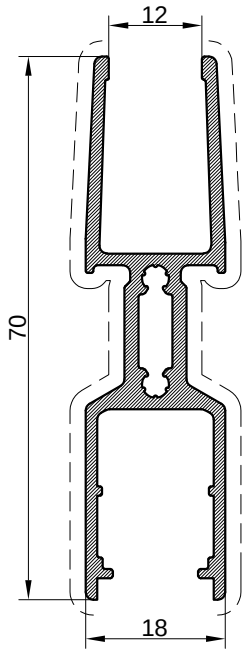
Al profil Al profile		
Art.Br. Art.Nr.	**FR-112**	
Težina Weight	kg/m'	**1.736**
Opseg Perimeter	mm	**368.78**
Moment inercije Moments of inertia	Ix (cm4)	**8.5783**
	Iy (cm4)	**38.7632**
	Wx (cm3)	**2.8329**
	Wy (cm3)	**10.6785**
L	mm	**6500**



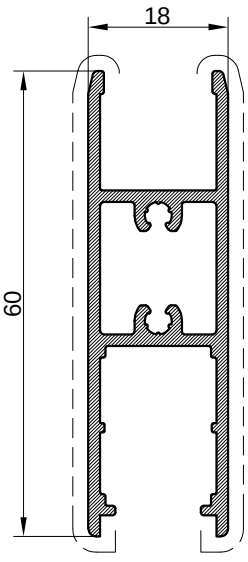
Al profil Al profile		
Art.Br. Art.Nr.	**FR-113**	
Težina Weight	kg/m'	**1.095**
Opseg Perimeter	mm	**298.35**
Moment inercije Moments of inertia	Ix (cm4)	**5.9701**
	Iy (cm4)	**28.1191**
	Wx (cm3)	**1.8922**
	Wy (cm3)	**6.8499**
L	mm	**6500**



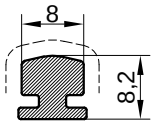
Al profil Al profile		
Art.Br. Art.Nr.	**FR-114**	
Težina Weight	kg/m'	**1.613**
Opseg Perimeter	mm	**512.94**
Moment inercije Moments of inertia	Ix (cm4)	**9.1028**
	Iy (cm4)	**35.6994**
	Wx (cm3)	**3.0362**
	Wy (cm3)	**9.8345**
L	mm	**6500**



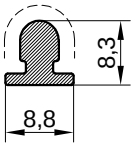
Al profil Al profile		
Art.Br. Art.Nr.	**FR-116**	
Težina Weight	kg/m'	**0.81**
Opseg Perimeter	mm	**301.47**
Moment inercije Moments of inertia	Ix (cm4)	**10.22**
	Iy (cm4)	**1.26**
	Wx (cm3)	**2.89**
	Wy (cm3)	**1.40**
L	mm	**6500**



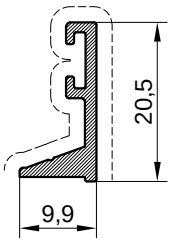
Al profil Al profile		
Art.Br. Art.Nr.	**FR-103**	
Težina Weight	kg/m'	**0.701**
Opseg Perimeter	mm	**243.39**
Moment inercije Moments of inertia	Ix (cm4)	**6.5716**
	Iy (cm4)	**1.3696**
	Wx (cm3)	**2.1532**
	Wy (cm3)	**1.5218**
L	mm	**6500**



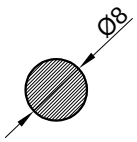
Al profil Al profile		
Art.Br. Art.Nr.	**FR-104**	
Težina Weight	kg/m'	**0.154**
Opseg Perimeter	mm	**40.11**
Moment inercije Moments of inertia	Ix (cm4)	**0.0316**
	Iy (cm4)	**0.0282**
	Wx (cm3)	**0.0765**
	Wy (cm3)	**0.0703**
L	mm	**6500**



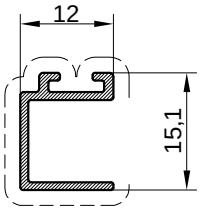
Al profil Al profile		
Art.Br. Art.Nr.	**FR-108**	
Težina Weight	kg/m'	**0.114**
Opseg Perimeter	mm	**33.78**
Moment inercije Moments of inertia	Ix (cm4)	**0.0246**
	Iy (cm4)	**0.0133**
	Wx (cm3)	**0.0519**
	Wy (cm3)	**0.0302**
L	mm	**6500**



Al profil Al profile		
Art.Br. Art.Nr.	**FR-105**	
Težina Weight	kg/m'	**0.142**
Opseg Perimeter	mm	**72.85**
Moment inercije Moments of inertia	Ix (cm4)	**0.2615**
	Iy (cm4)	**0.0320**
	Wx (cm3)	**0.2119**
	Wy (cm3)	**0.0431**
L	mm	**6500**



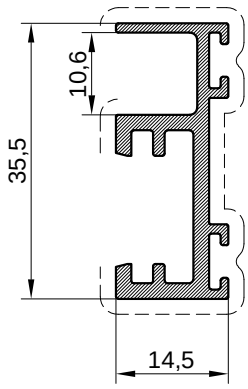
Al profil Al profile		
Art.Br. Art.Nr.	**F-0022**	
Težina Weight	kg/m'	**0.135**
Opseg Perimeter	mm	**25.132**
L	mm	**6000**



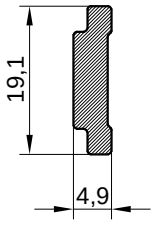
Al profil Al profile		
Art.Br. Art.Nr.	**FR-107**	
Težina Weight	kg/m'	**0.180**
Opseg Perimeter	mm	**84.71**
L	mm	**6500**

NAPOMENA:
-Profil se eloxira
-Ukoliko se profil plastificira potrebno je zaštitit utor za staklo

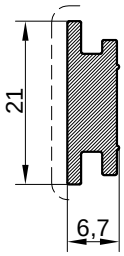
REMARK:
-Profile-finish treatment will be elox
-If the profile is for plastification it is necessary to protect the glass slot



Al profil Al profile		
Art.Br. Art.Nr.	**FR-115**	
Težina Weight	kg/m'	**0.42**
Opseg Perimeter	mm	**185.15**
Moment inercije Moments of inertia	Ix (cm4)	**2.14**
	Iy (cm4)	**0.27**
	Wx (cm3)	**1.13**
	Wy (cm3)	**0.32**
L	mm	**6500**

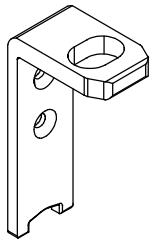
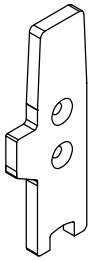
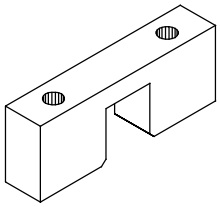
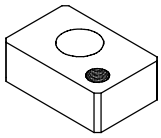
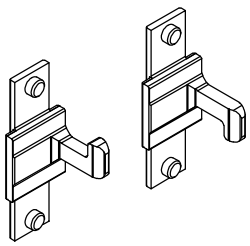


Profil Profile		
Art.Br. Art.No.	**F-1743**	
Težina Weight	kg/m'	**0.204**
Opseg Perimeter	mm	**47.00**
Moment inercije Moments of inertia	Ix (cm^4)	**0.20**
	Iy (cm^4)	**0.01**
	Wx (cm^3)	**0.21**
	Wy (cm^3)	**0.05**
L	mm	**6500**

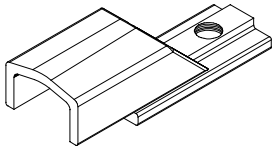
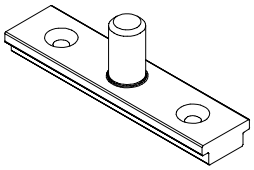
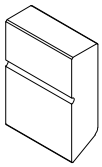
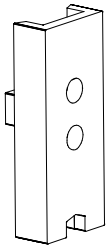
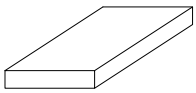
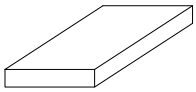


Profil Profile		
Art.Br. Art.No.	**F-1749**	
Težina Weight	kg/m'	**0.284**
Opseg Perimeter	mm	**65.00**
Moment inercije Moments of inertia	Ix (cm^4)	**0.27**
	Iy (cm^4)	**0.04**
	Wx (cm^3)	**0.25**
	Wy (cm^3)	**0.11**
L	mm	**6500**

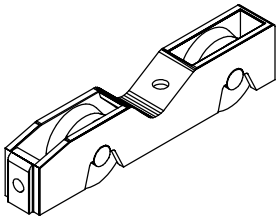
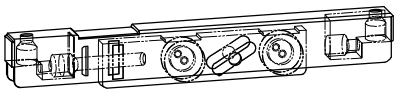
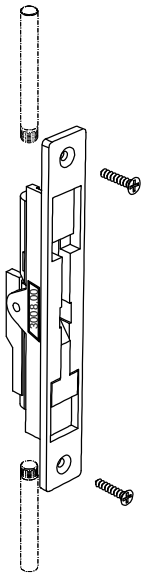
Vezni elementi
Connection elements

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
370.060		- Bočni umetak krila na poziciji ključanja - Side sash insert on the locking position	Inox	
391.290.01 .02 .03		- Bočni umetak krila - Boje: 01 - bijela; 02 - siva; 03 - crna - Side sash insert - Colors: 01 - white; 02 - gray; 03 - black	Al.	
521.145		- Umetak za fiksiranje fiksnog krila - Insert for fixed sash	Al.	
521.146		- Umetak za usmjerivanje osovine za zaključavanje - Insert for routing shaft for lock	Al	
390.038		- Zapinjač za ključanje dvaju krila - Elements for locking two sash	Inox	

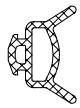
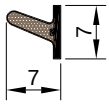
PVC elementi
PVC elements

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
370.058		- Umetak vodilice praga - Treshold guide insert	POLIAMID PA6	
370.056		- Usmjerivač krila - Sash router	POLIAMID PA6	
364.024		-Odbojnik za profil krila FR-116 -Bumper for sash profile FR-116	Tvrda guma	
370.061		- Bočni umetak krila sa prihvatom krila - Side sash insert with sash acceptor * Opcija korištenja na za profil FR-103 * Option of use on FR-103 profile	POLIAMID PA6	
370.026		- Podmetači za staklo 100 x 20 x 1 mm - Pads for glass 100 x 20 x 1 mm	PVC	
370.030		- Podmetači za staklo 100 x 20 x 2 mm - Pads for glass 100 x 20 x 2 mm	PVC	

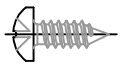
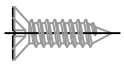
Mehanizmi
Mechanisms

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
521.143		- Kotačići Giesse (120 kg) - Bogie Giesse (120 kg)		
140.064		- Kotačići Roto (120 kg) - Bogie Roto (120 kg) * Opcija korištenja na vodilicu FR-108 * Option of use on FR-108 guide		
124.006.01 .02 .03		- Preklopni zapinjač- zasun (bravica za zaključavanje) - Boje: 01 - bijela; 02 - siva; 03 - crna - Bi-fold door latch - Colors: 01 - white; 02 - gray; 03 - black	Zn	
101.017		- Ručica za zaključavanje dva krila (spoj) - Two-sash locking handle		

Brtvila
Gaskets

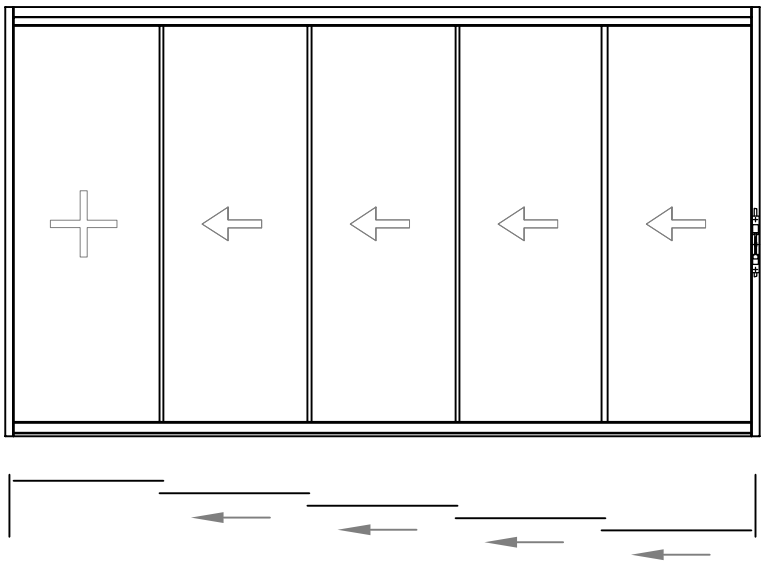
Oznaka Code	Izgled-presjek View- cross section	Opis Description	Materijal Material	Tvrdoća Hardness (ShA)
340.053		- Odstojna vertikalna brtva - Vertical spacer gasket	Elastron	
318.014		- Brtva prema staklu (2mm) - Gasket to the glass (2mm) * Opcija korištenja brtve * Using a gasket (options)	Elastron	
340.055		- Odstojna brtva - Spacer gasket	Elastron	
347.004		- Četkasta brtva 7x5.5, (crna) - Stara oznaka PB*HFC - Brush gasket 7x5.5, (black) - Former code PB*HFC	PP	
347.011		- *Brtva 7x7, (crna) - *Gasket 7x7, (black) * Opcija korištenja brtve * Using a gasket (options)		

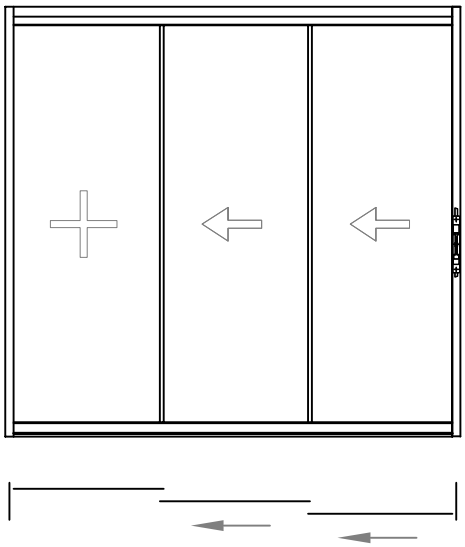
Dodaci
Accessories

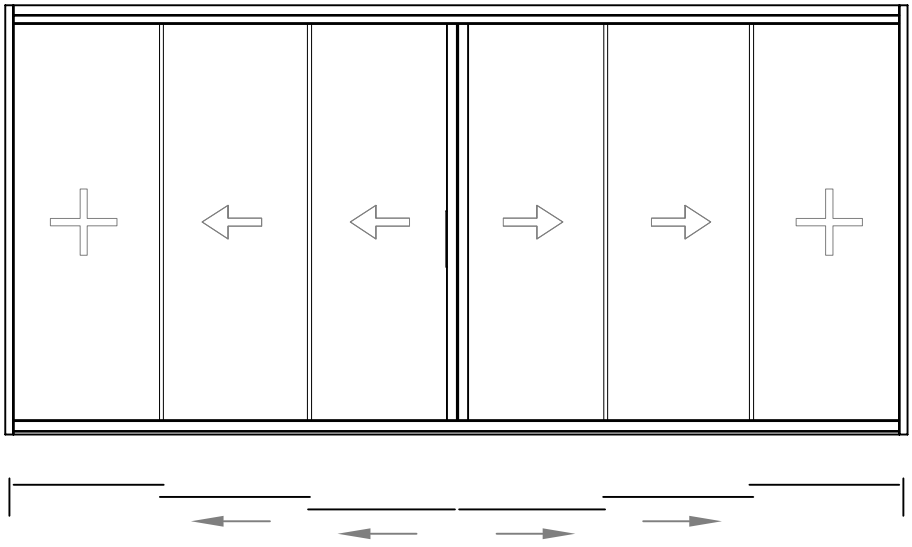
Oznaka Code	Opis Description	Izgled-presjek View-cross section	Materijal Material	Napomena Remark
433.020	3.9x25 DIN 7981			
433.021	3.9x32 DIN 7981			
433.090	3.5x9.5 DIN 7982			
433.091	3.5x13 DIN 7982			
433.097	3.5x38 DIN 7982			
433.104	3.9x13 DIN 7982			
433.105	3.9x16 DIN 7982			

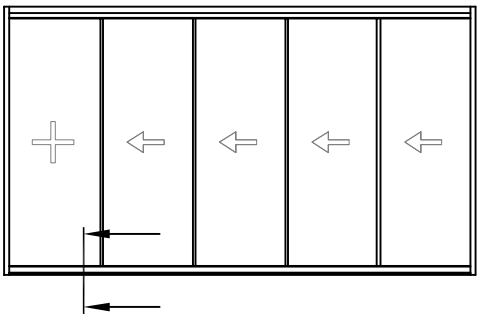
Presjeci
Cross sections

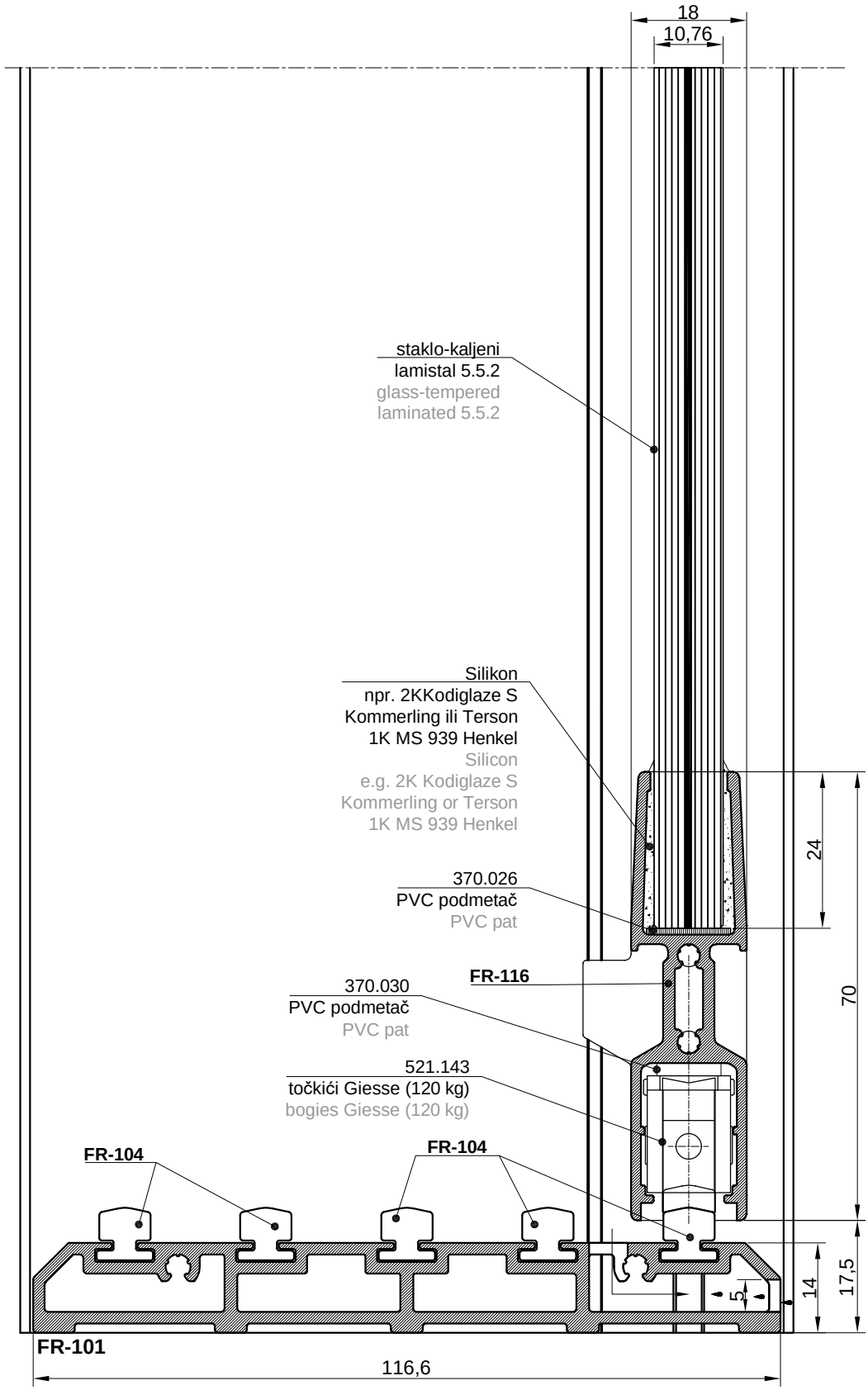
TIPOLOGIJA
TYPOLOGY

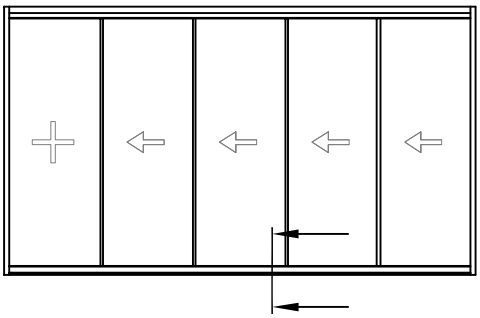


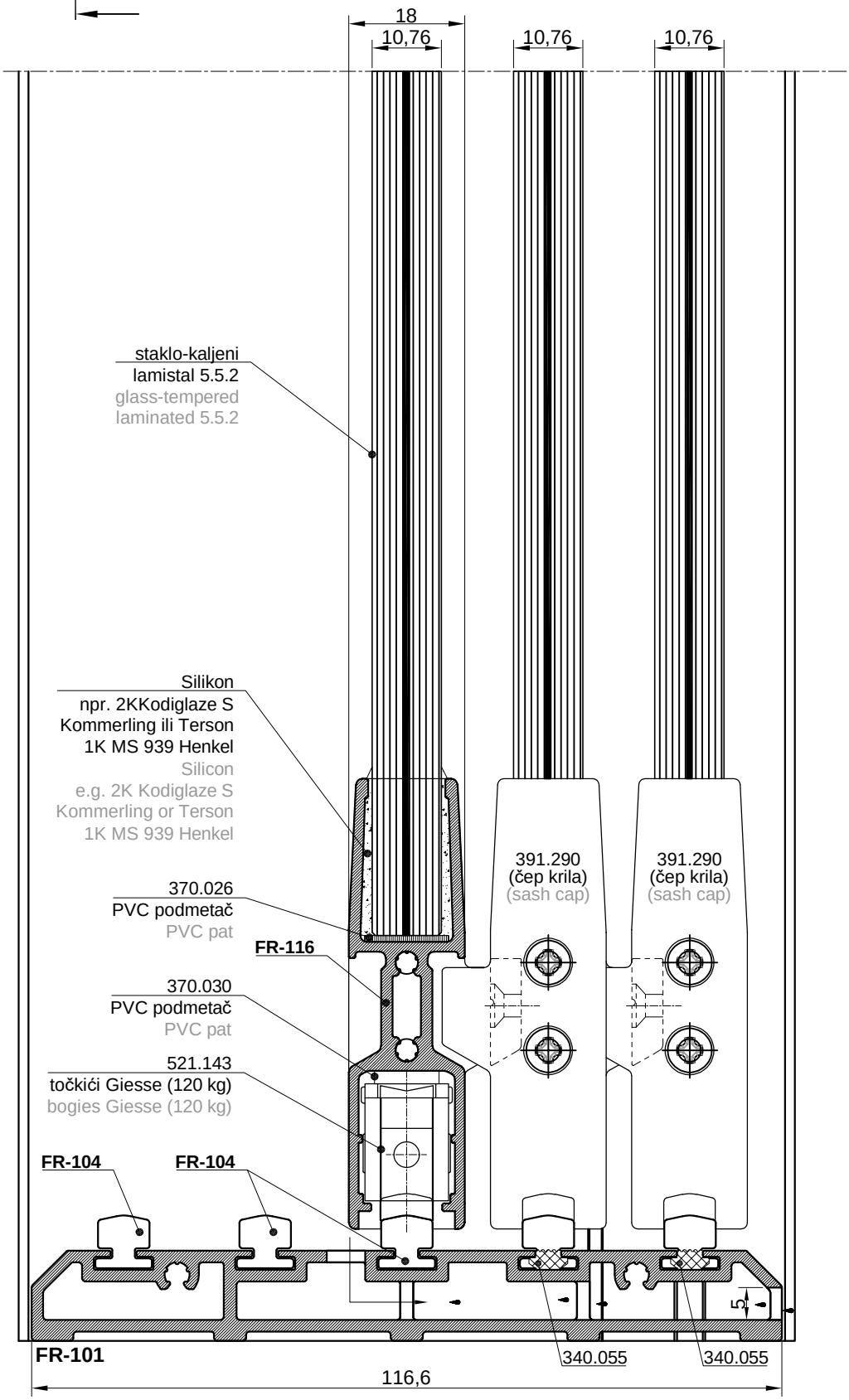


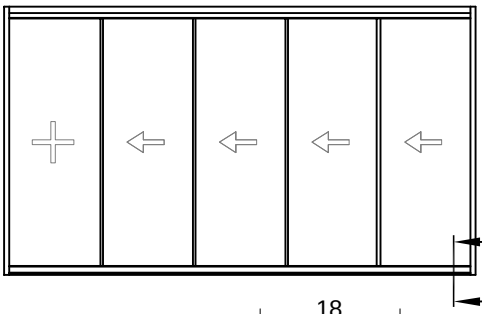


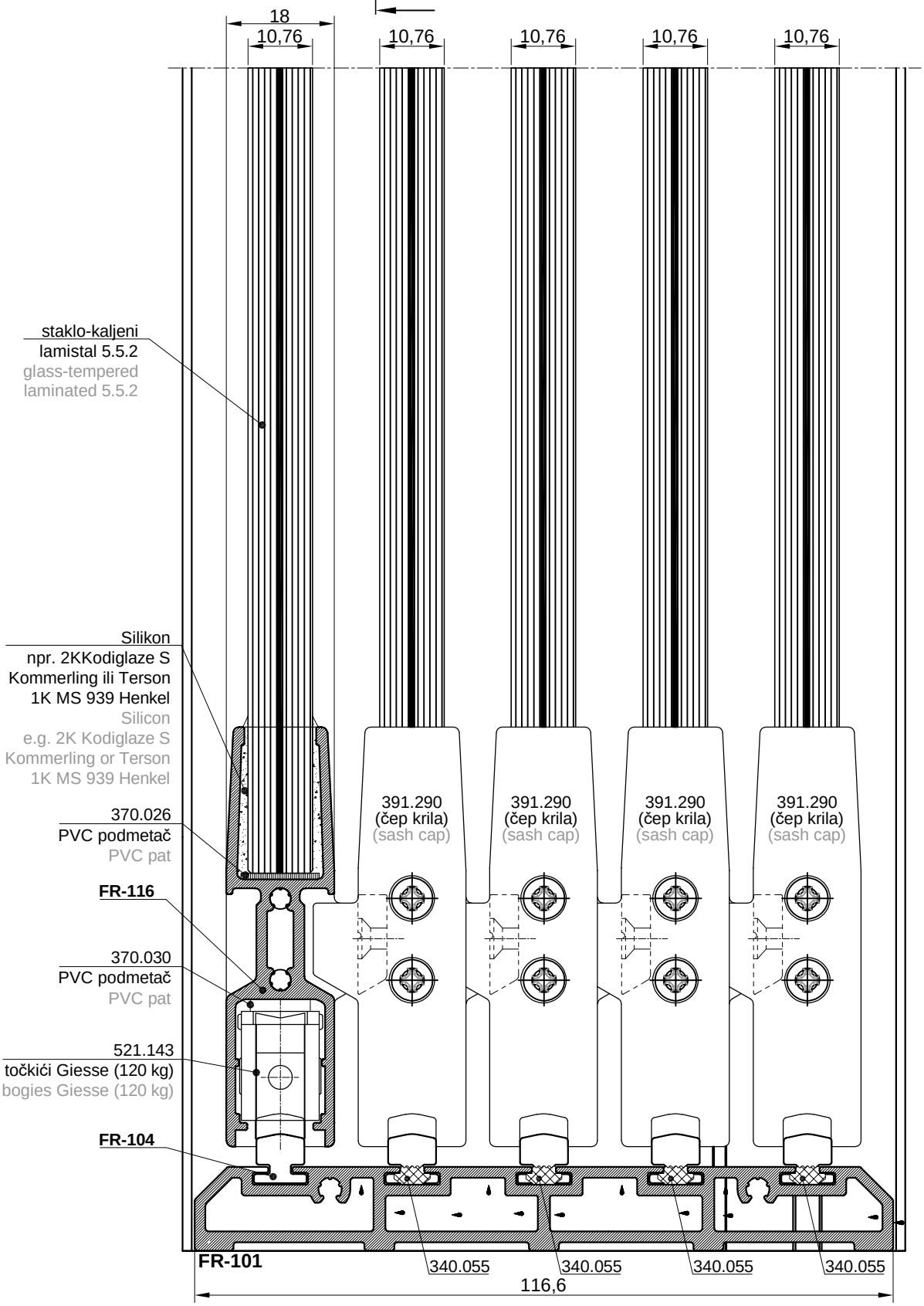


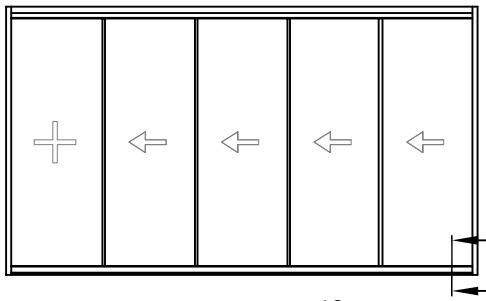

18
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-104
24
70
14
17,5
5
FR-101
116,6



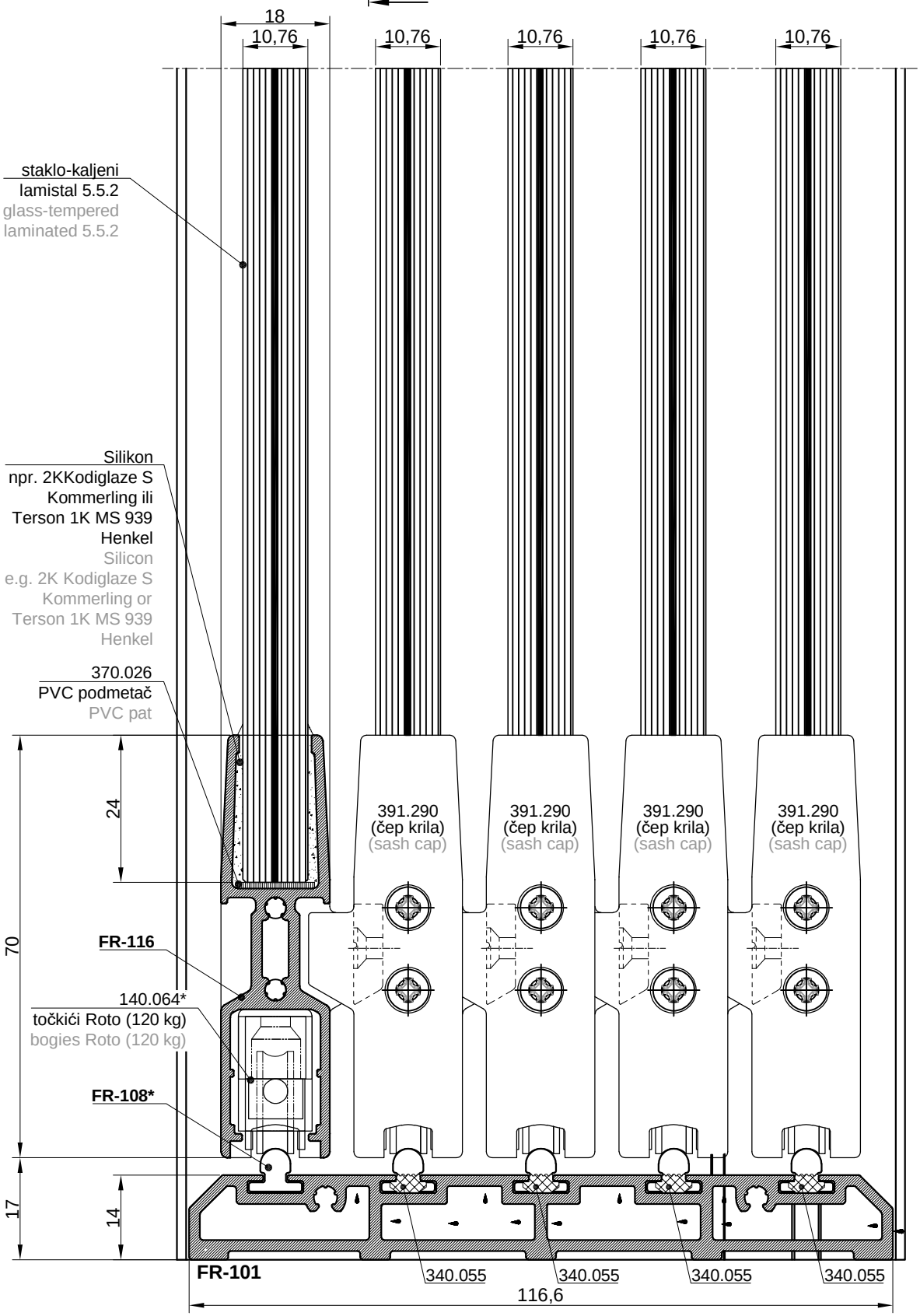

18
10,76
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370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-104
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
5
FR-101
340.055
340.055
116,6

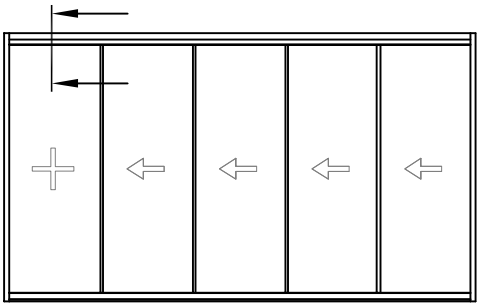


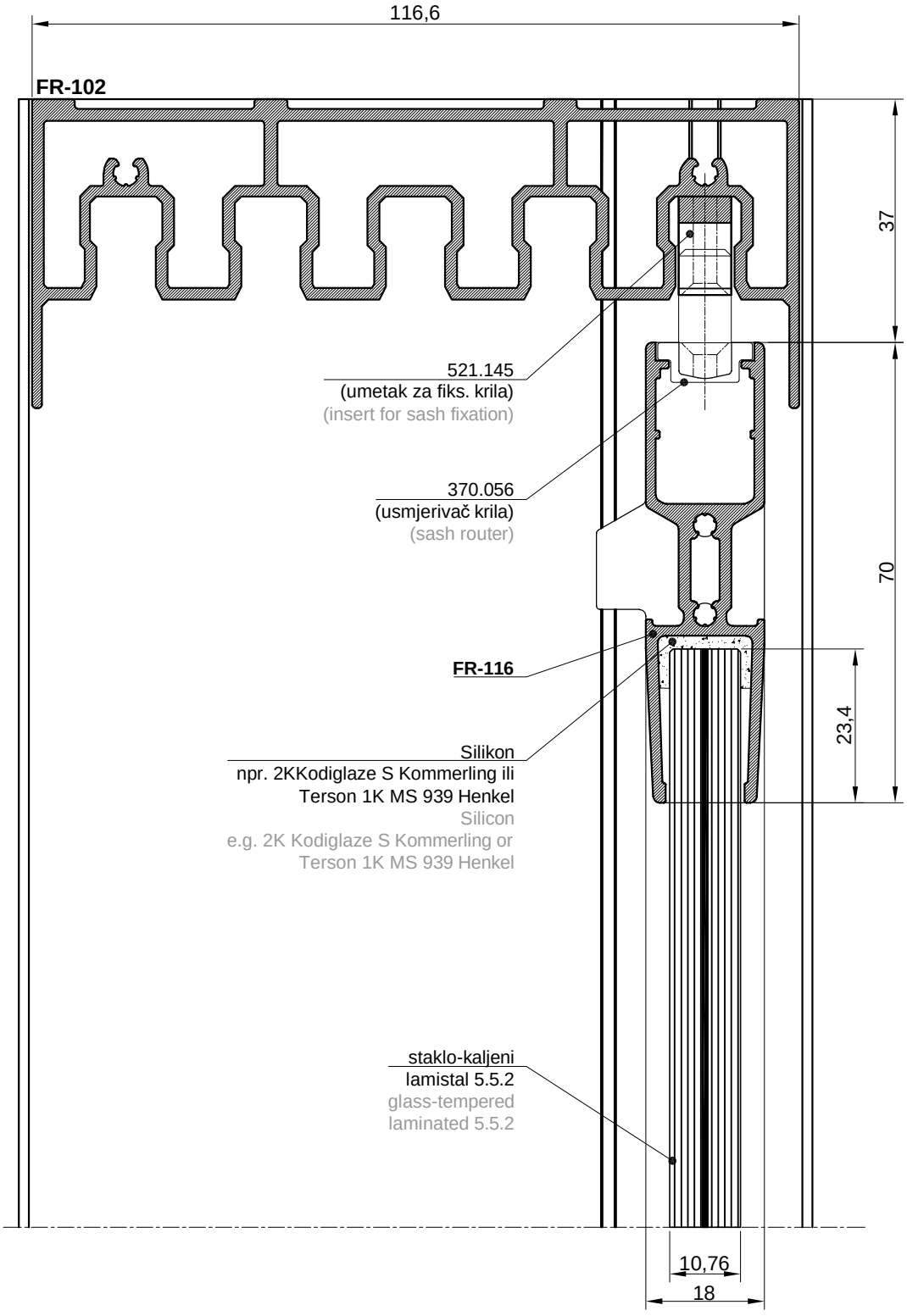

18
10,76
10,76
10,76
10,76
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
FR-101
340.055
340.055
340.055
340.055
116,6

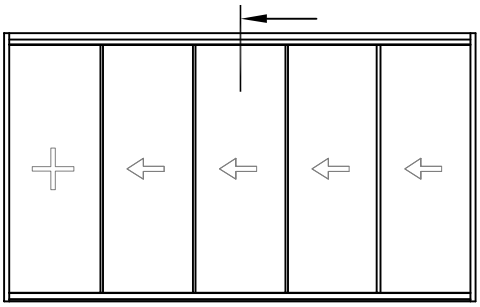


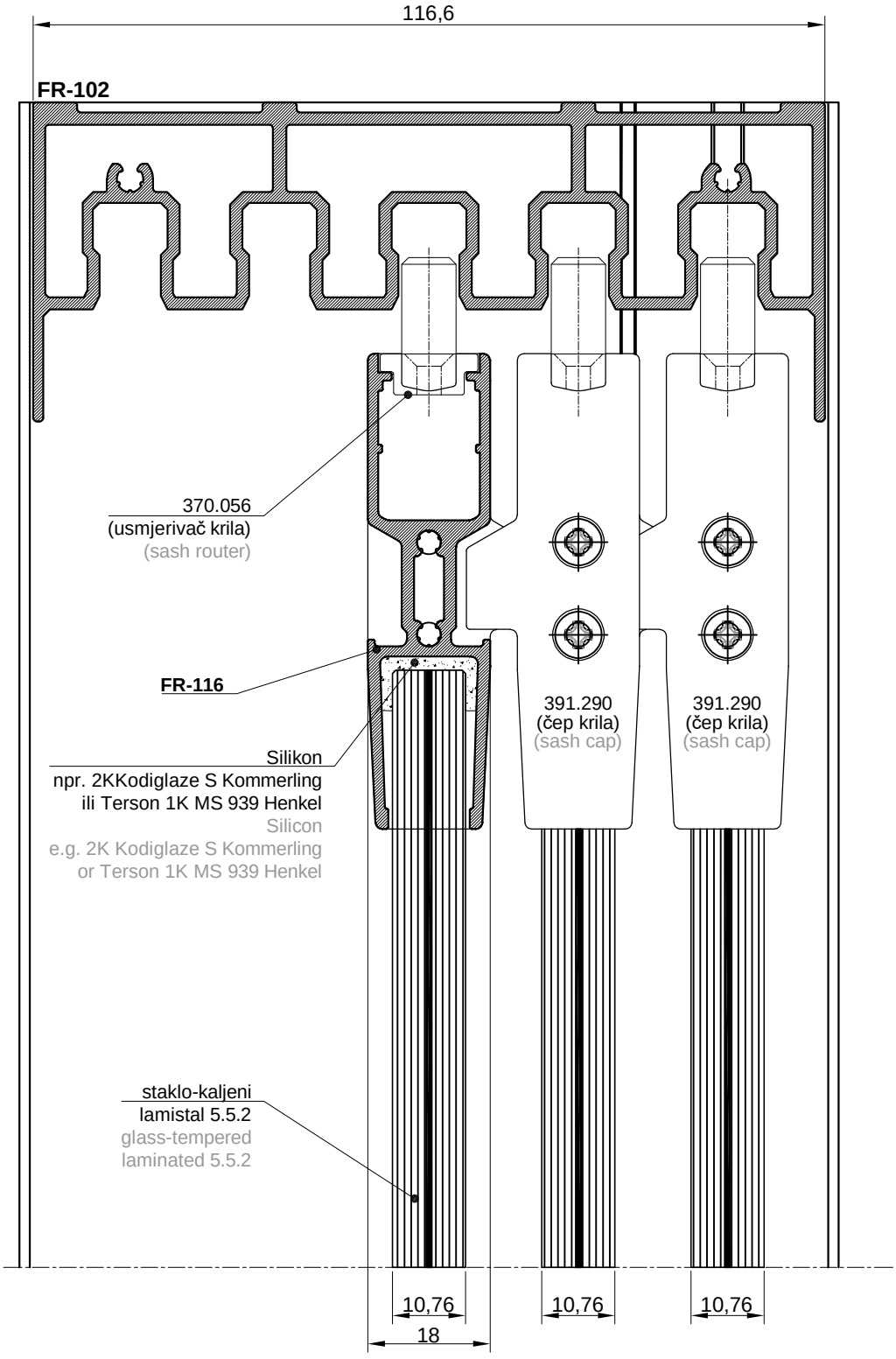
*Mogućnost korištenja točkića 140.064 Roto (120 kg) i vodilice FR-108.
*Possibility of using bogies 140.064 Roto (120 kg) and guide FT-108.

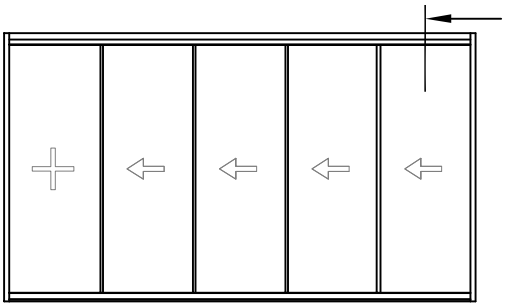


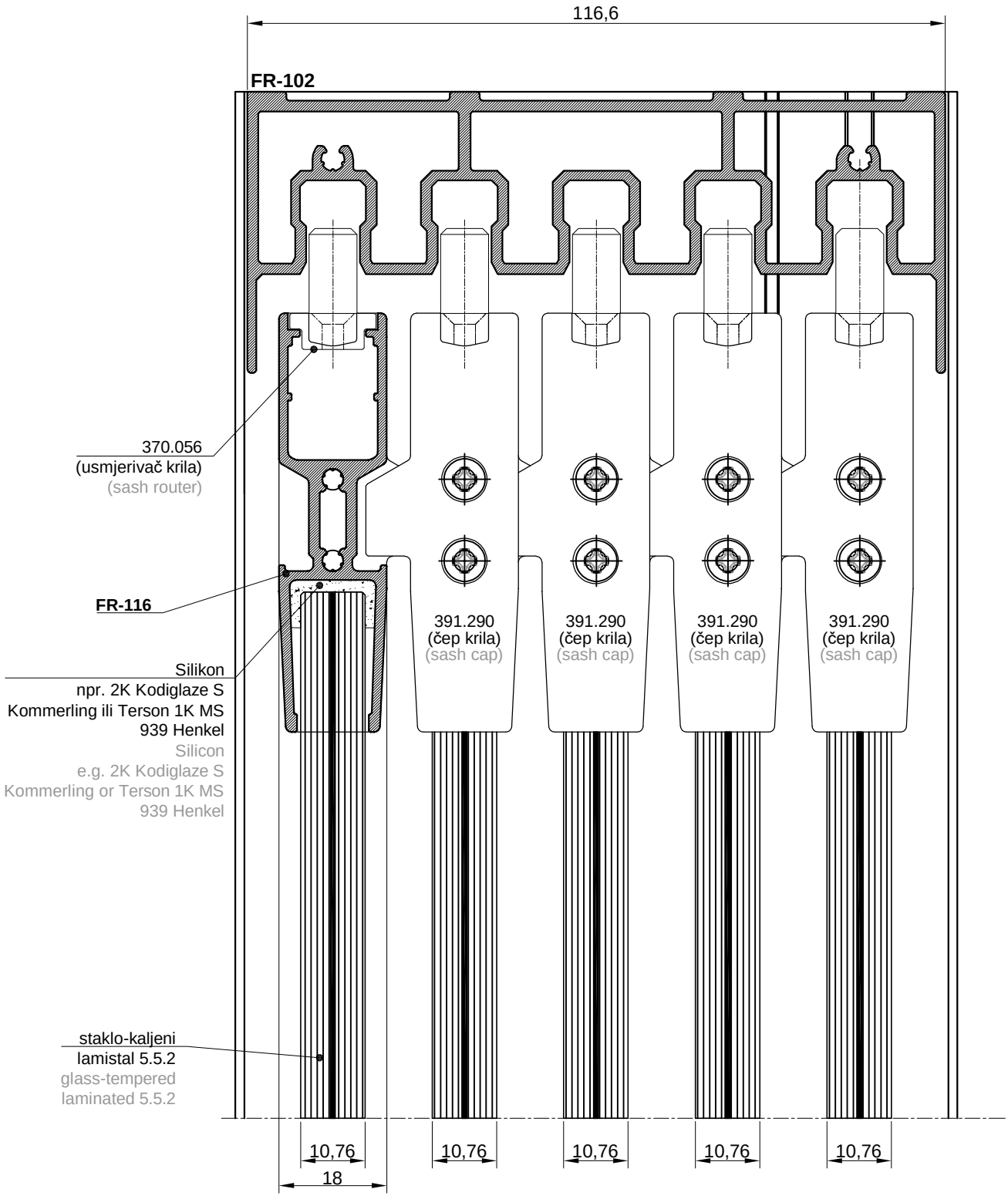


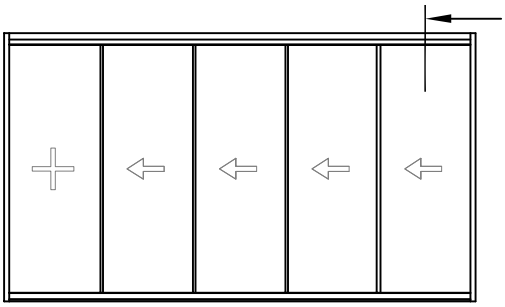

116,6
FR-102
37
521.145
(umetak za fiks. krila)
(insert for sash fixation)
370.056
(usmjerivač krila)
(sash router)
70
FR-116
23,4
Silikon
npr. 2KKodiglaze S Kommerling ili
Terson 1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S Kommerling or
Terson 1K MS 939 Henkel
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
10,76
18



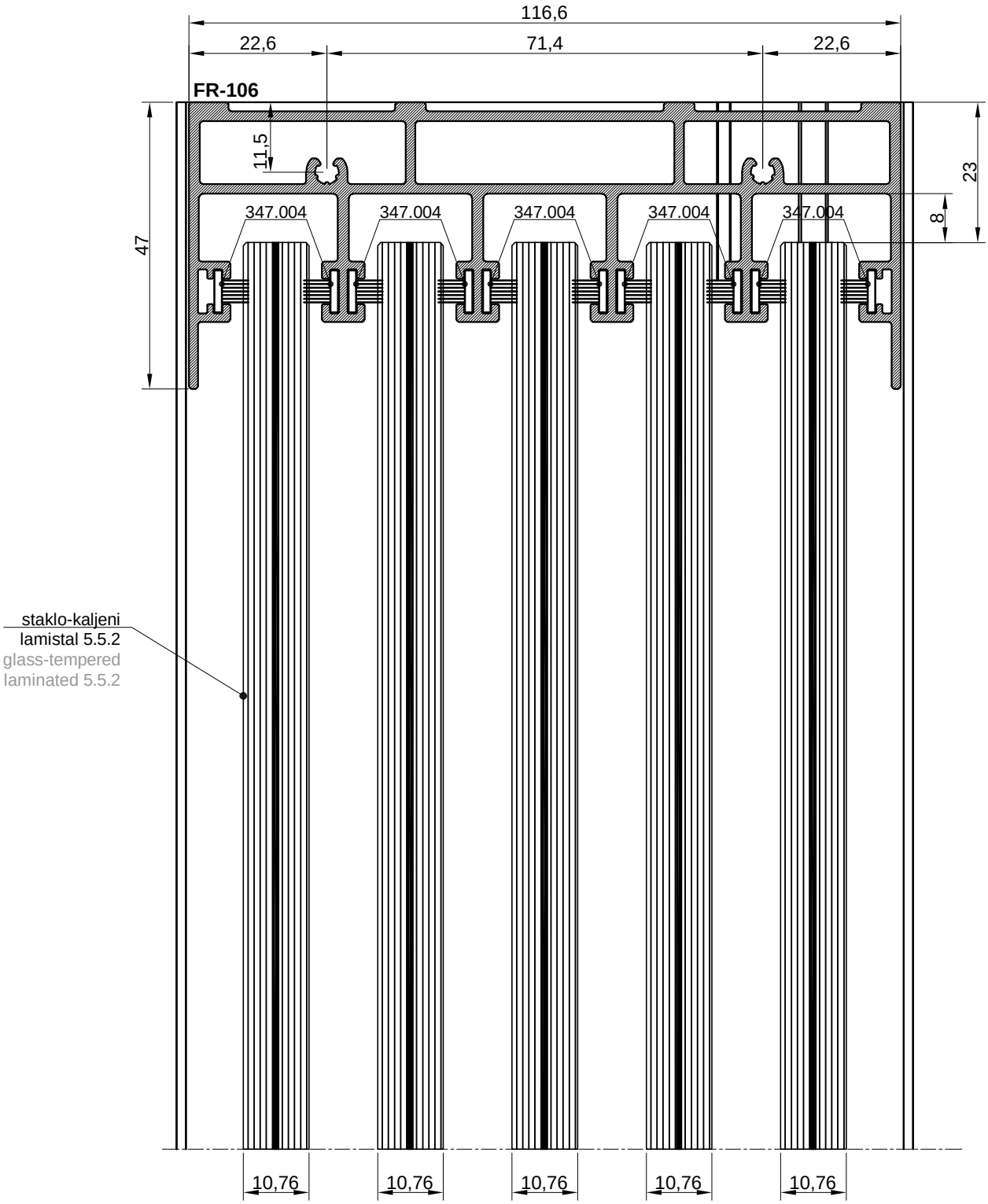

116,6
FR-102
370.056
(usmjerivač krila)
(sash router)
FR-116
Silikon
npr. 2KKodiglaze S Kommerling
ili Terson 1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S Kommerling
or Terson 1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
10,76
10,76
10,76
18

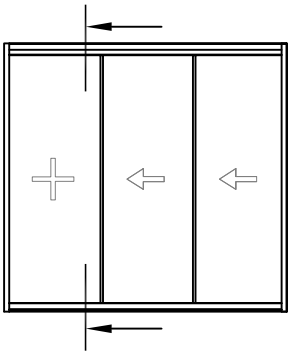


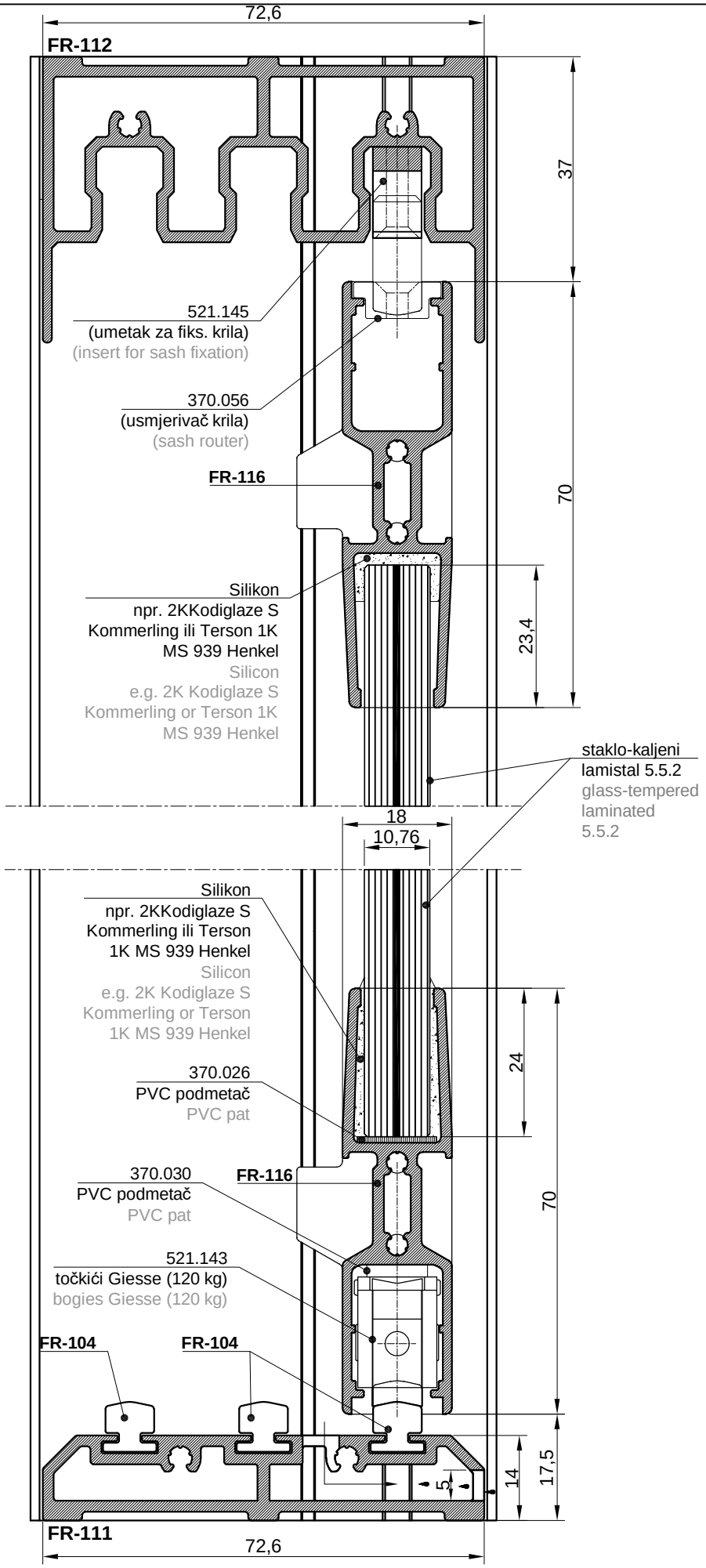

116,6
FR-102
370.056
(usmjerivač krila)
(sash router)
FR-116
Silikon
npr. 2K Kodiglaze S
Kommerling ili Terson 1K MS
939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson 1K MS
939 Henkel
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
10,76
10,76
10,76
10,76
10,76
18

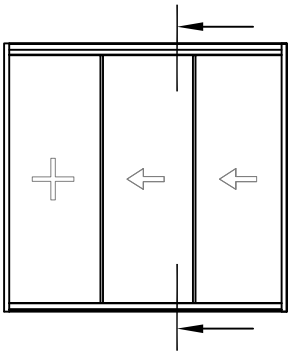


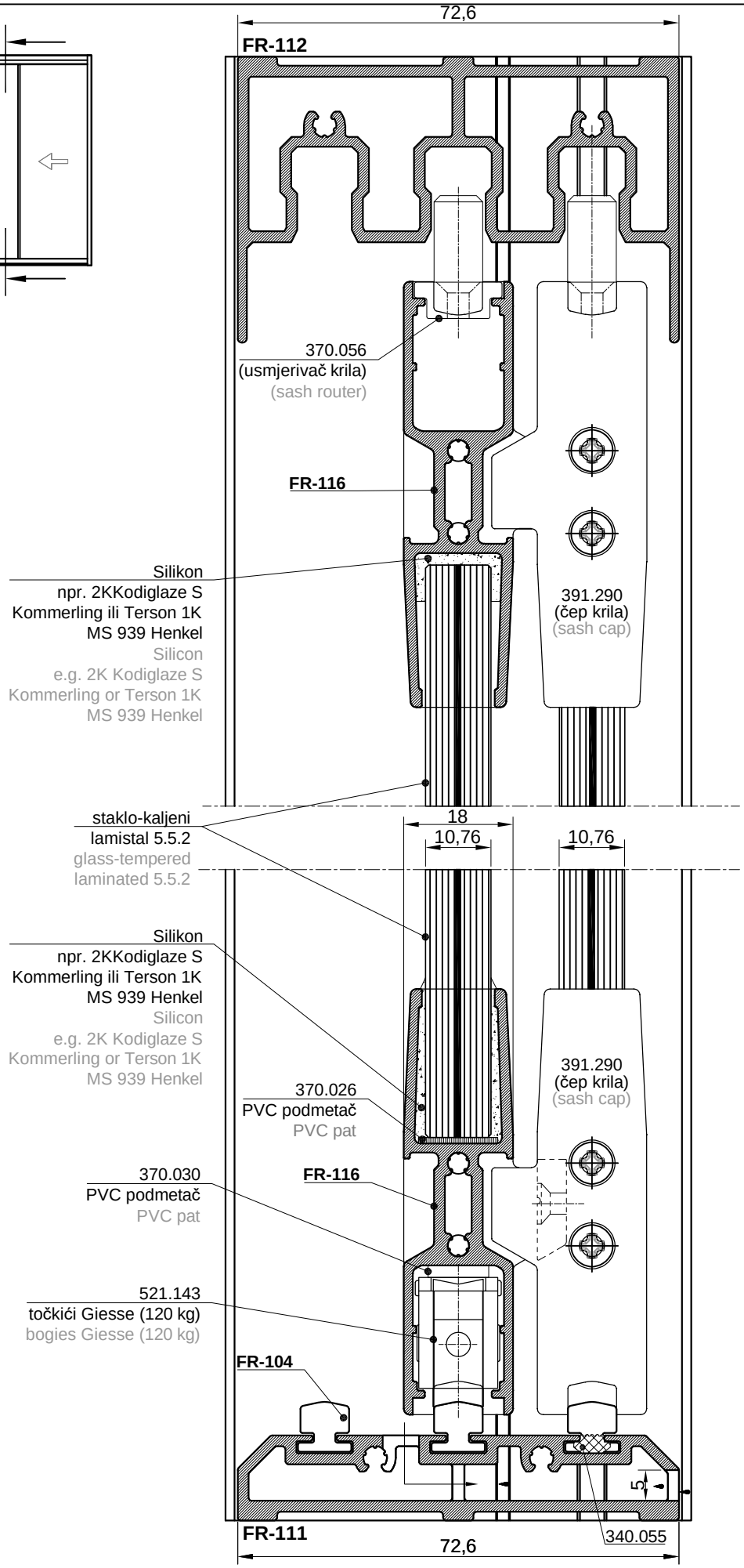
*Opcija bez gornjeg horizontalnog profila krila FR-116
*Option without upper horizontal sash profile FR-116

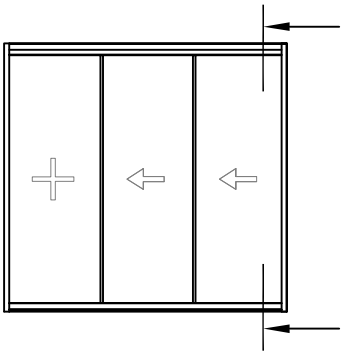




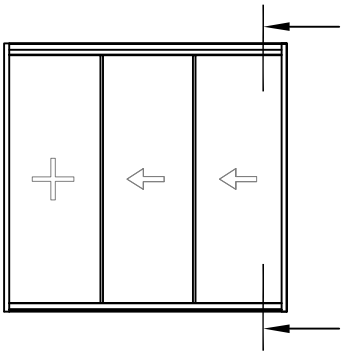

72,6
FR-112
37
521.145
(umetak za fiks. krila)
(insert for sash fixation)
370.056
(usmjerivač krila)
(sash router)
FR-116
70
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson 1K
MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson 1K
MS 939 Henkel
23,4
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated
5.5.2
18
10,76
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
24
370.026
PVC podmetač
PVC pat
370.030
PVC podmetač
PVC pat
FR-116
70
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-104
14
17,5
5
FR-111
72,6



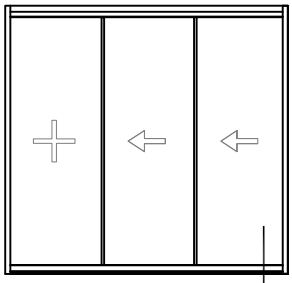

72,6
FR-112
370.056
(usmjerivač krila)
(sash router)
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson 1K
MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson 1K
MS 939 Henkel
391.290
(čep krila)
(sash cap)
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
18
10,76
10,76
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson 1K
MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson 1K
MS 939 Henkel
391.290
(čep krila)
(sash cap)
370.026
PVC podmetač
PVC pat
370.030
PVC podmetač
PVC pat
FR-116
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
5
FR-111
72,6
340.055



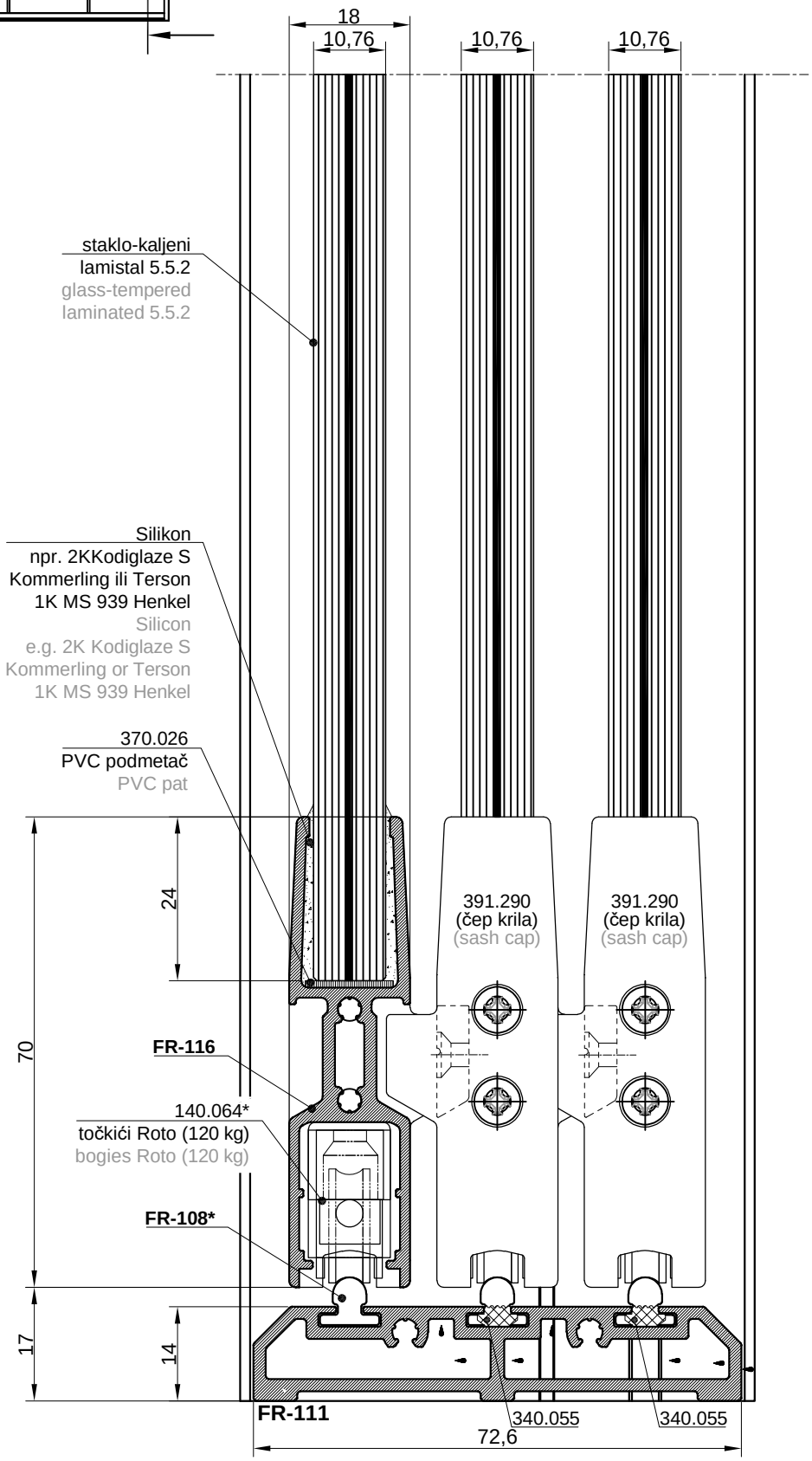
72,6
FR-112
370.056
(usmjerivač krila)
(sash router)
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson 1K
MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson 1K
MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
18
10,76
10,76
10,76
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-111
340.055
72,6

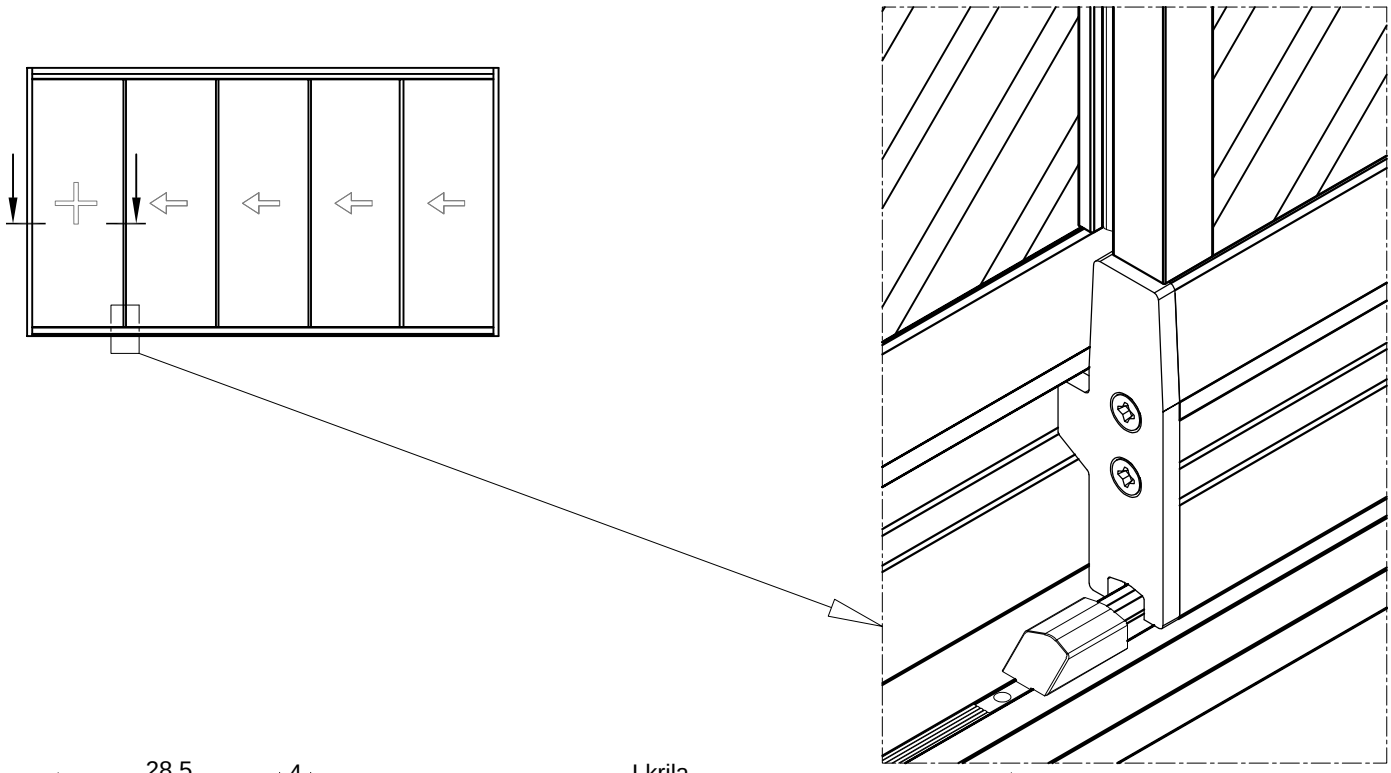


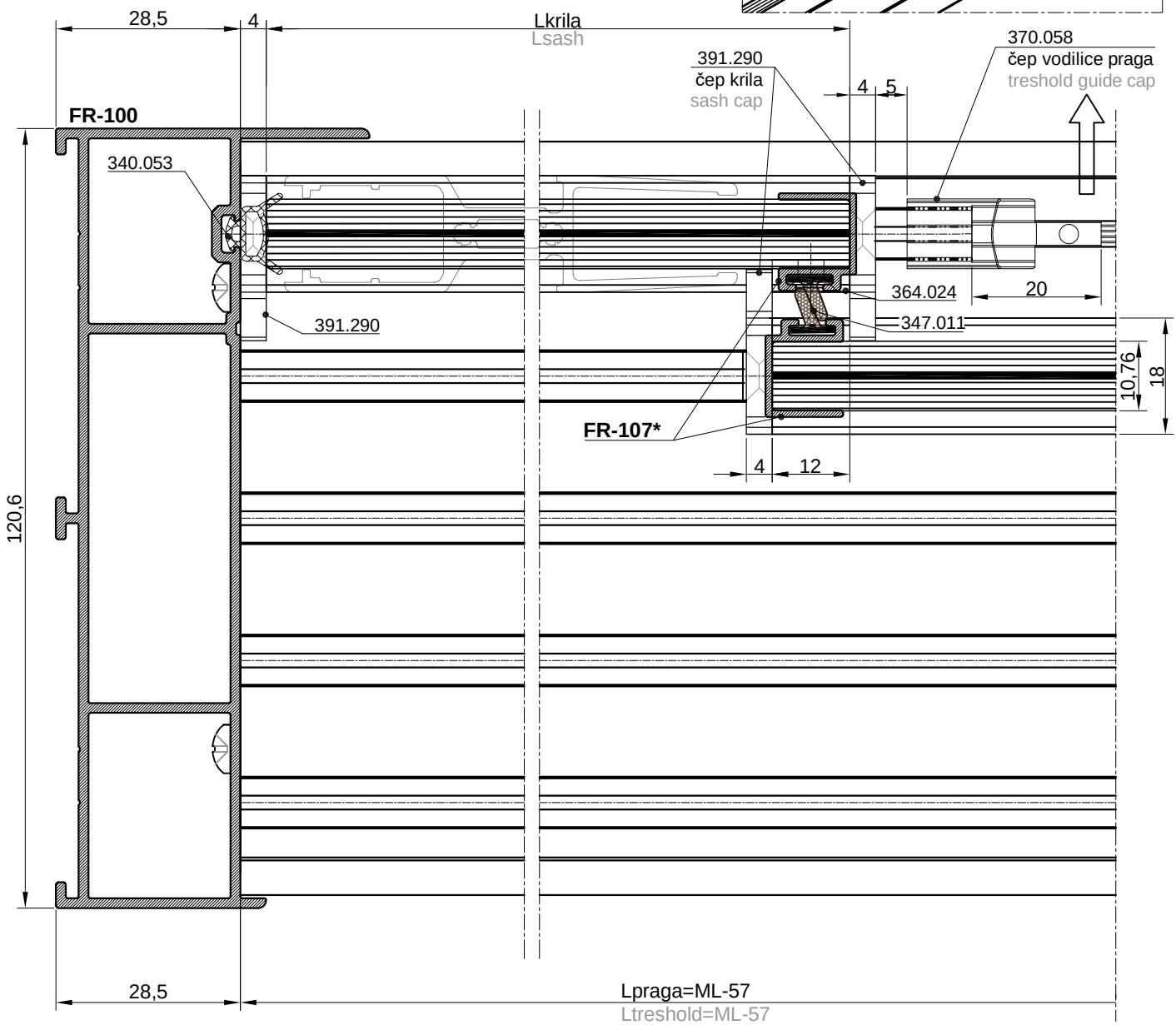
*Opcija bez gornjeg horizontalnog profila krila FR-116
*Option without upper horizontal sash profile FR-116

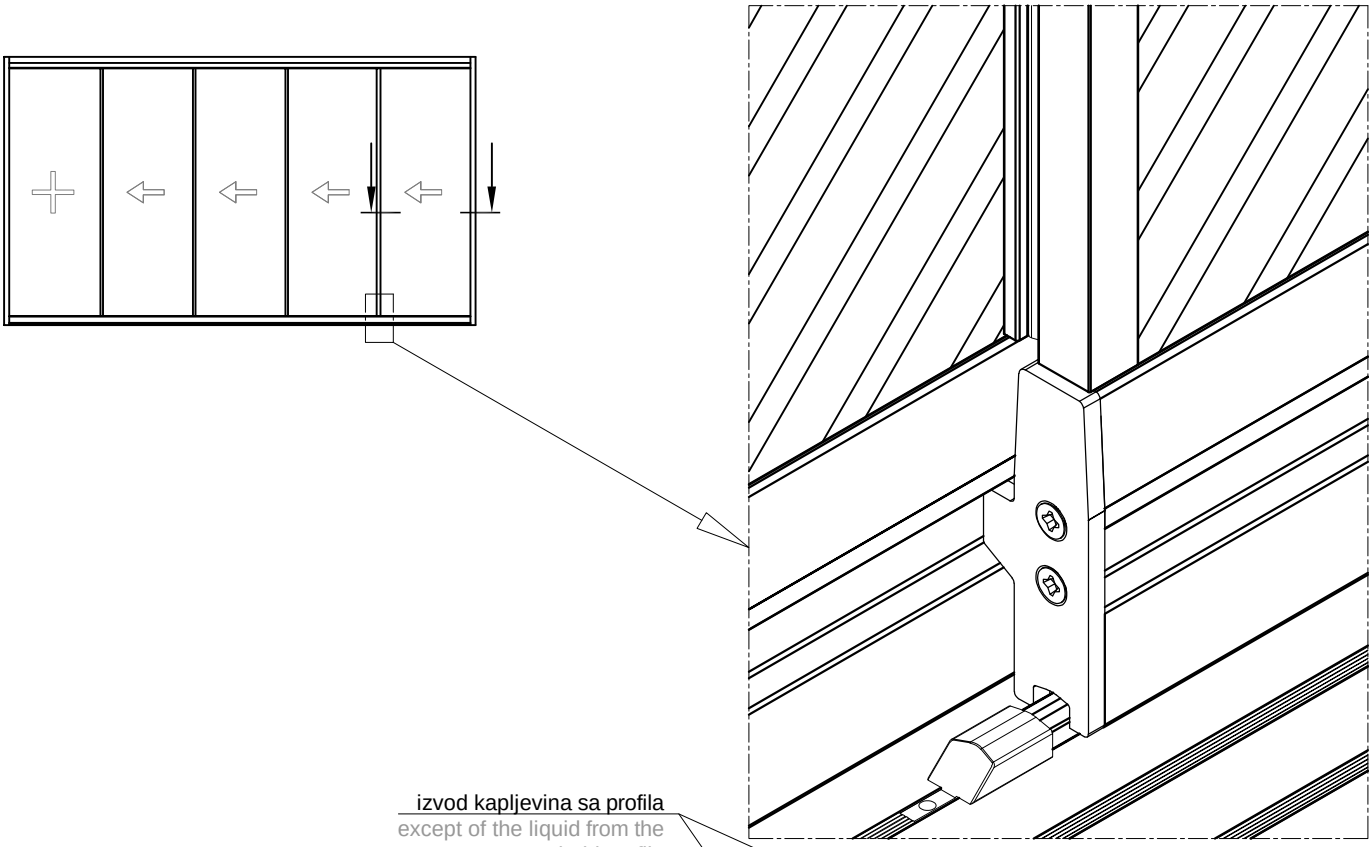


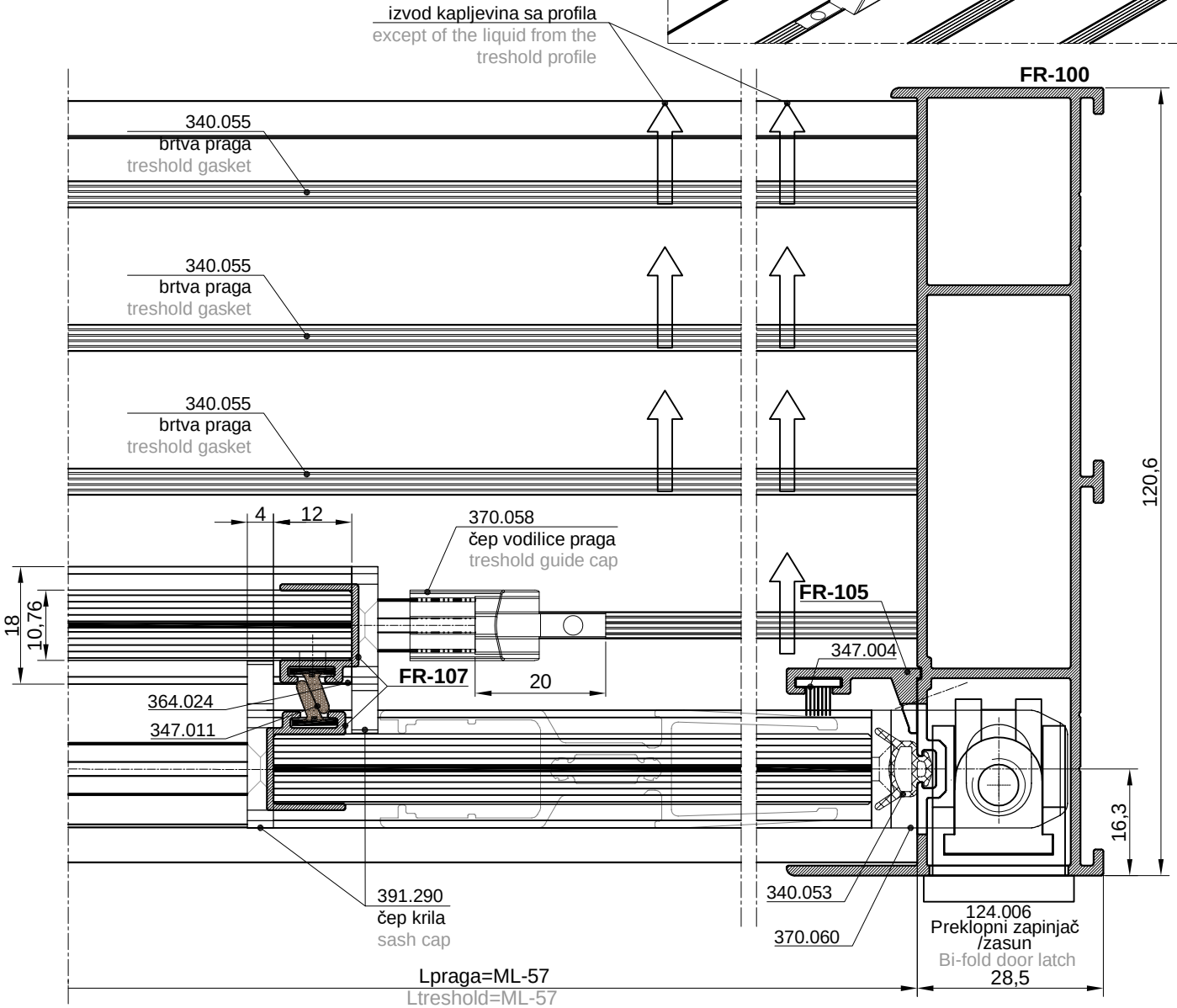
*Mogućnost korištenja točkića 140.064 Roto (120 kg) i vodilice FR-108.
*Possibility of using bogies 140.064 Roto (120 kg) and guide FT-108.

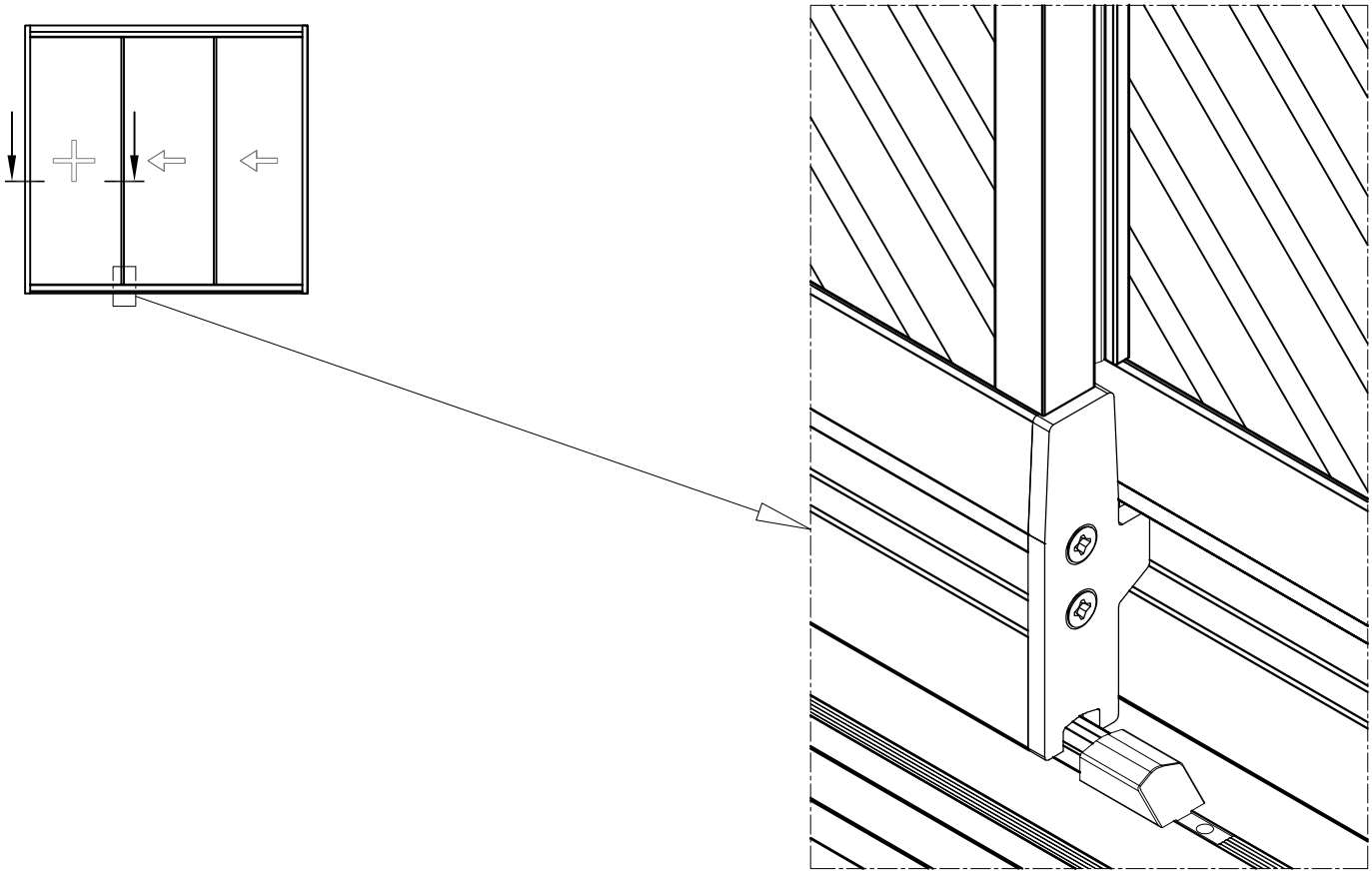


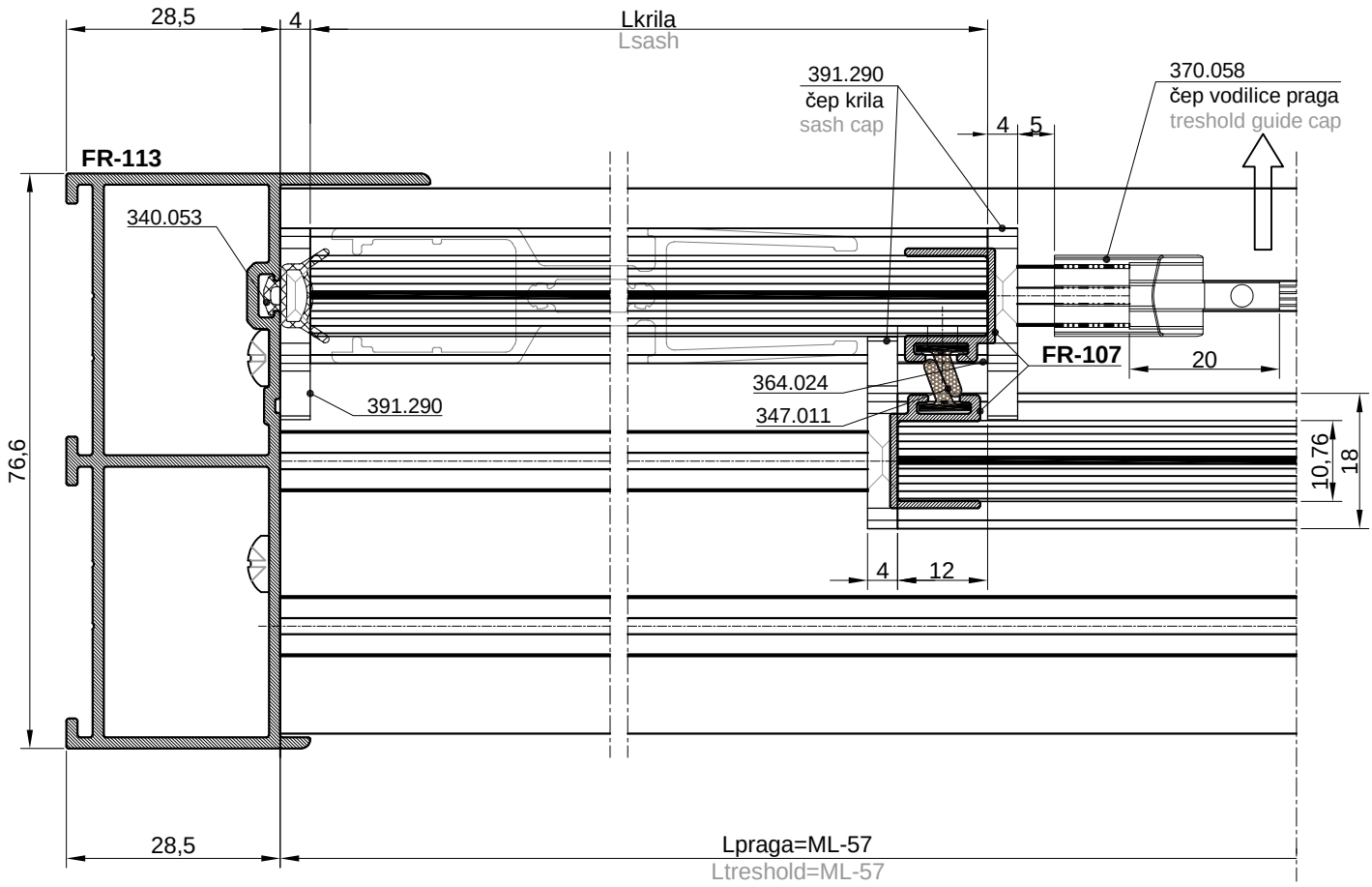


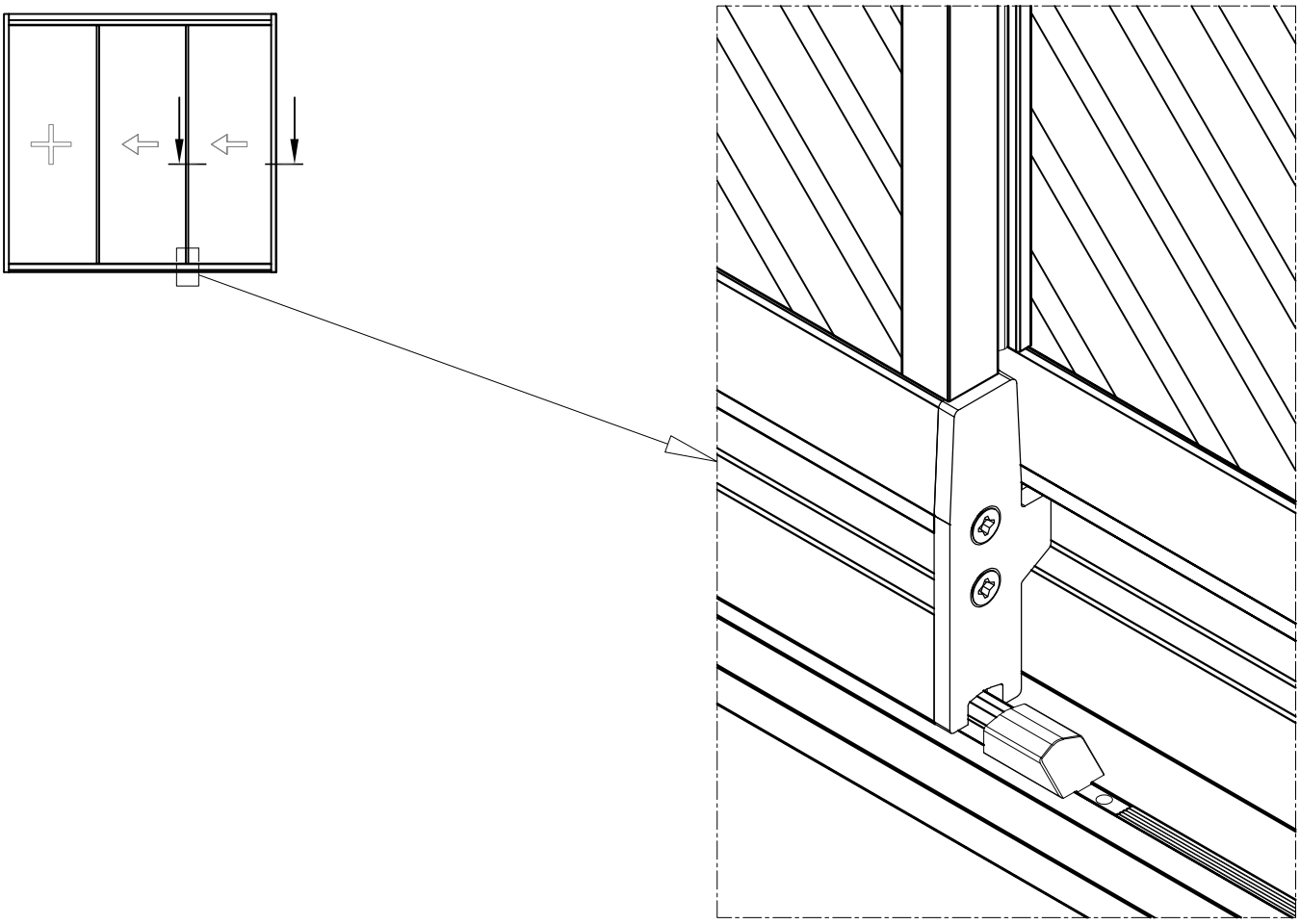

28,5
4
Lkrila
Lsash
391.290
čep krila
sash cap
4
5
370.058
čep vodilice praga
treshold guide cap
FR-100
340.053
391.290
364.024
20
347.011
10,76
18
FR-107*
4
12
120,6
28,5
Lpraga=ML-57
Ltreshold=ML-57

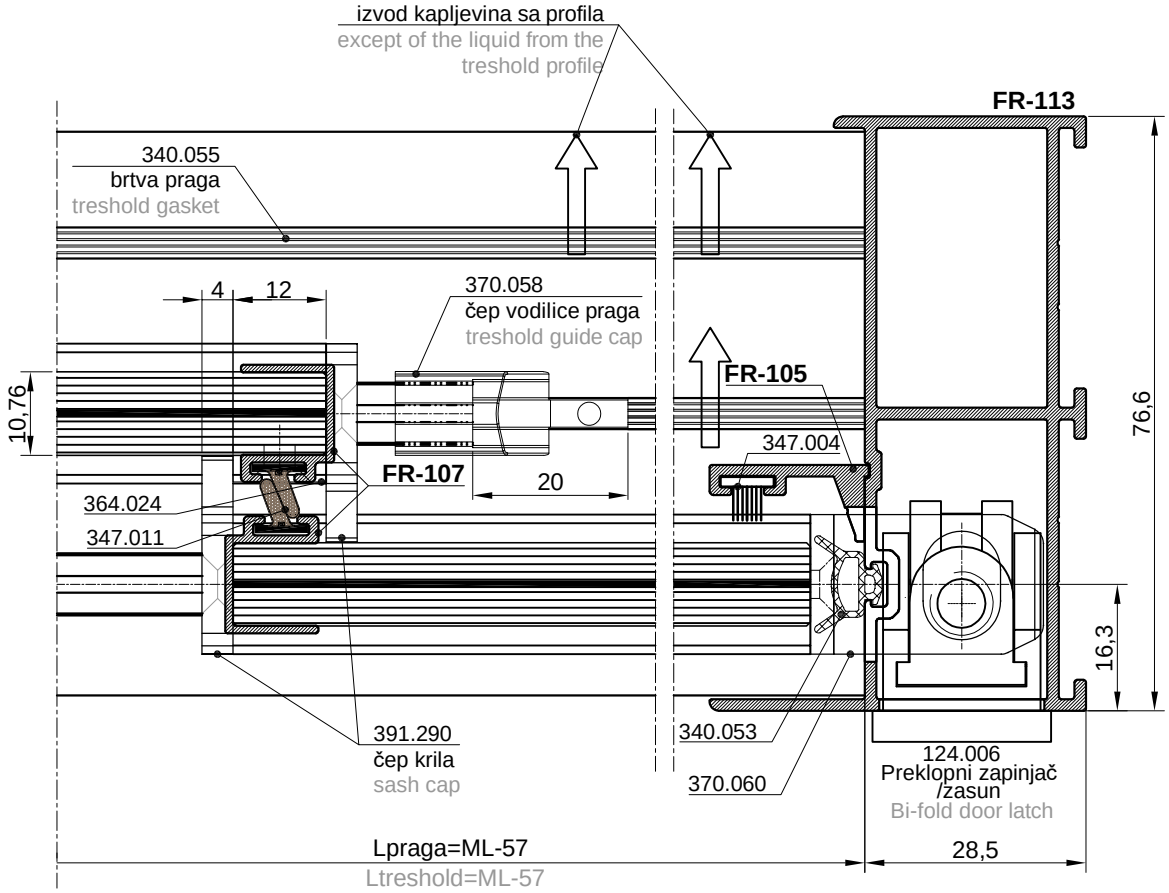


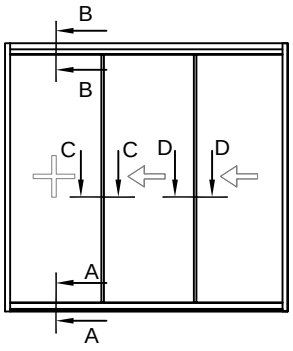

izvod kapljevina sa profila
except of the liquid from the treshold profile
FR-100
340.055
brtva praga
treshold gasket
340.055
brtva praga
treshold gasket
340.055
brtva praga
treshold gasket
4
12
370.058
čep vodilice praga
treshold guide cap
18
10,76
FR-107
20
364.024
347.011
FR-105
347.004
120,6
16,3
391.290
čep krila
sash cap
340.053
370.060
124.006
Preklopni zapinjač
/zasun
Bi-fold door latch
28,5
Lpraga=ML-57
Ltreshold=ML-57




28,5
4
Lkrila
Lsash
391.290
čep krila
sash cap
370.058
čep vodilice praga
treshold guide cap
4
5
FR-113
340.053
391.290
364.024
347.011
FR-107
20
76,6
10,76
18
4
12
28,5
Lpraga=ML-57
Ltreshold=ML-57

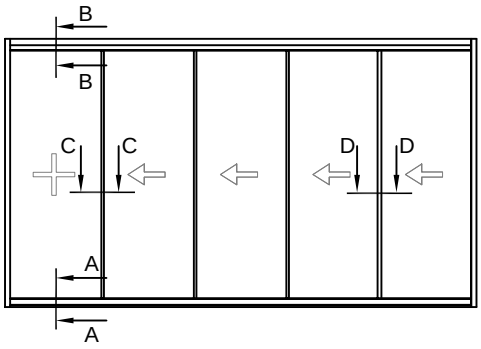


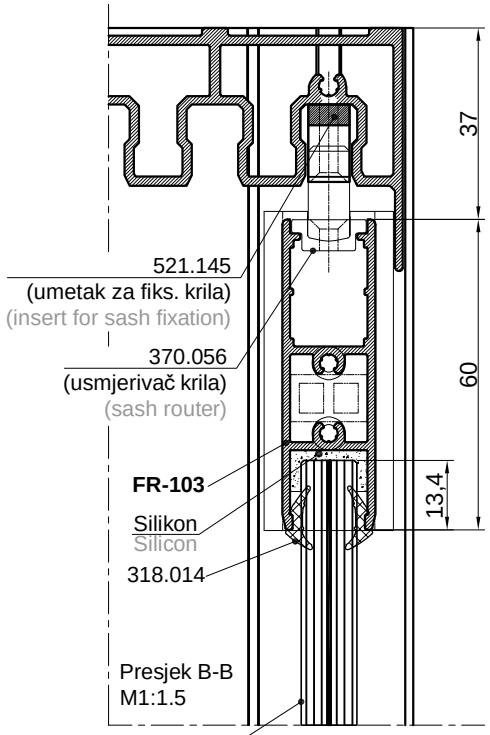

izvod kapljevina sa profila
except of the liquid from the treshold profile
FR-113
340.055
brtva praga
treshold gasket
4
12
370.058
čep vodilice praga
treshold guide cap
FR-105
10,76
FR-107
20
347.004
76,6
364.024
347.011
16,3
391.290
čep krila
sash cap
340.053
370.060
124.006
Preklopni zapinjač /zasun
Bi-fold door latch
Lpraga=ML-57
Ltreshold=ML-57
28,5



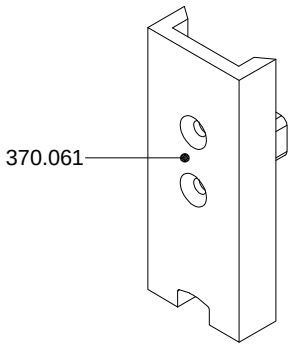
*Mogućnost upotrebe krila FR-103 sa čepom i prihvatnikom krila 370.061!
*Possibility of using sash FR-103 with side sash cap and two sash acceptor 370.061!

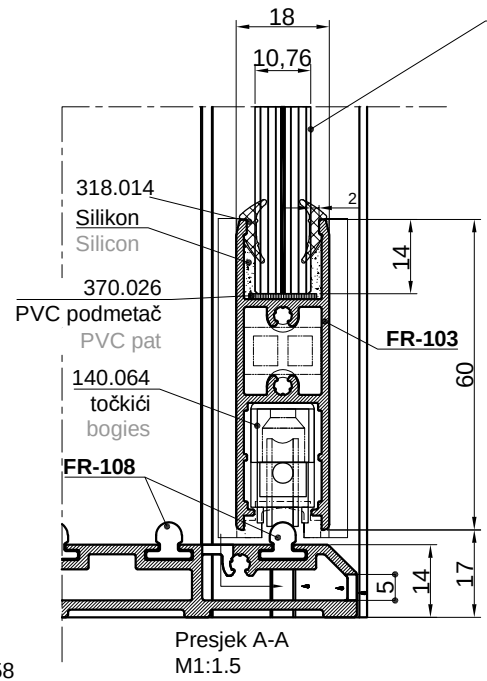
*Profili rama su isti kao i za krilo FR-116.
*The frame profiles are the same as for the FR-116 sash.



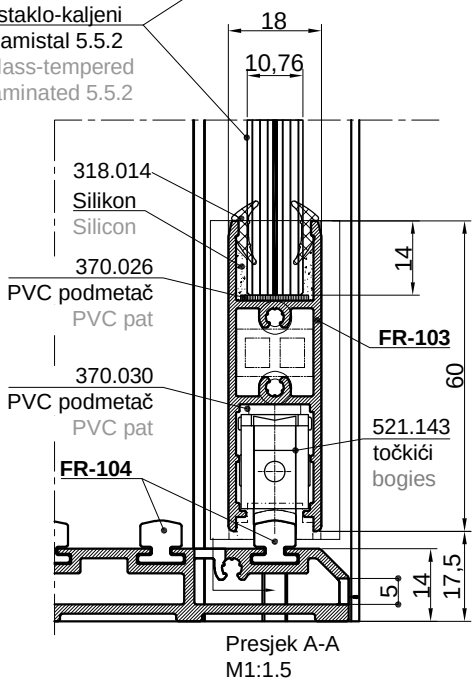


Presjek B-B
M1:1.5

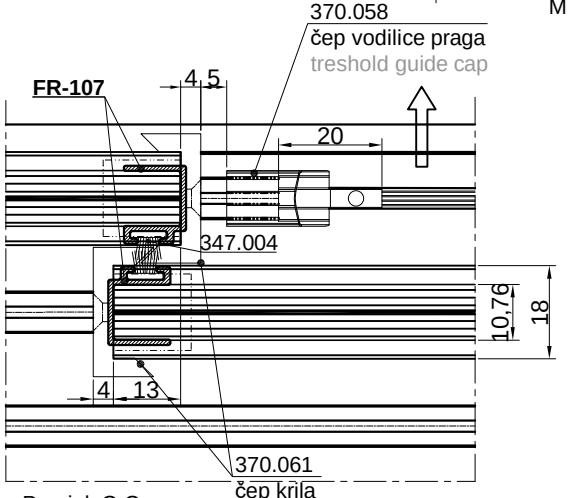




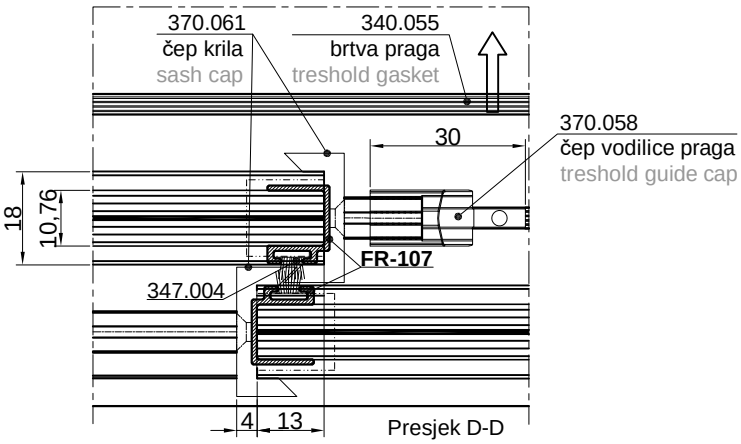
Presjek A-A
M1:1.5



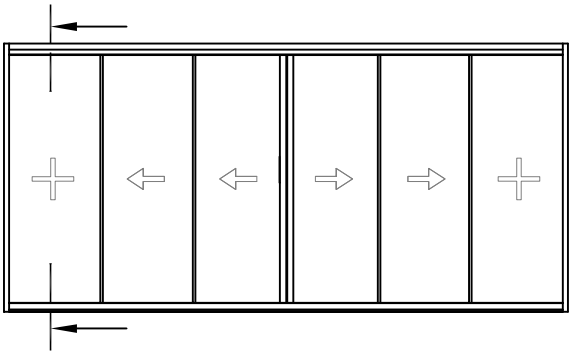
Presjek A-A
M1:1.5

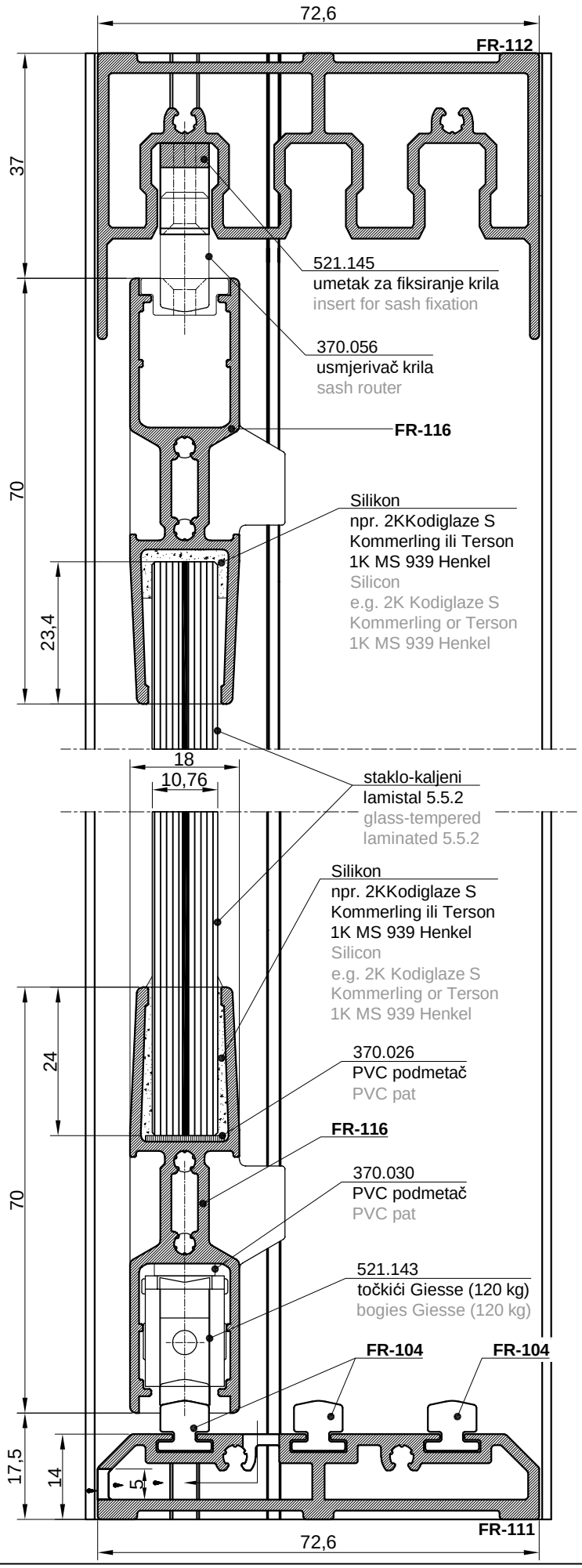


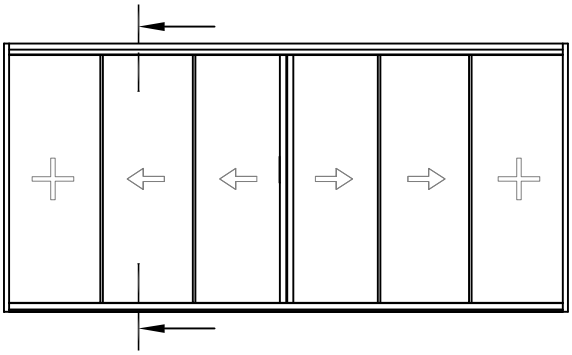
Presjek C-C
M1:1.5

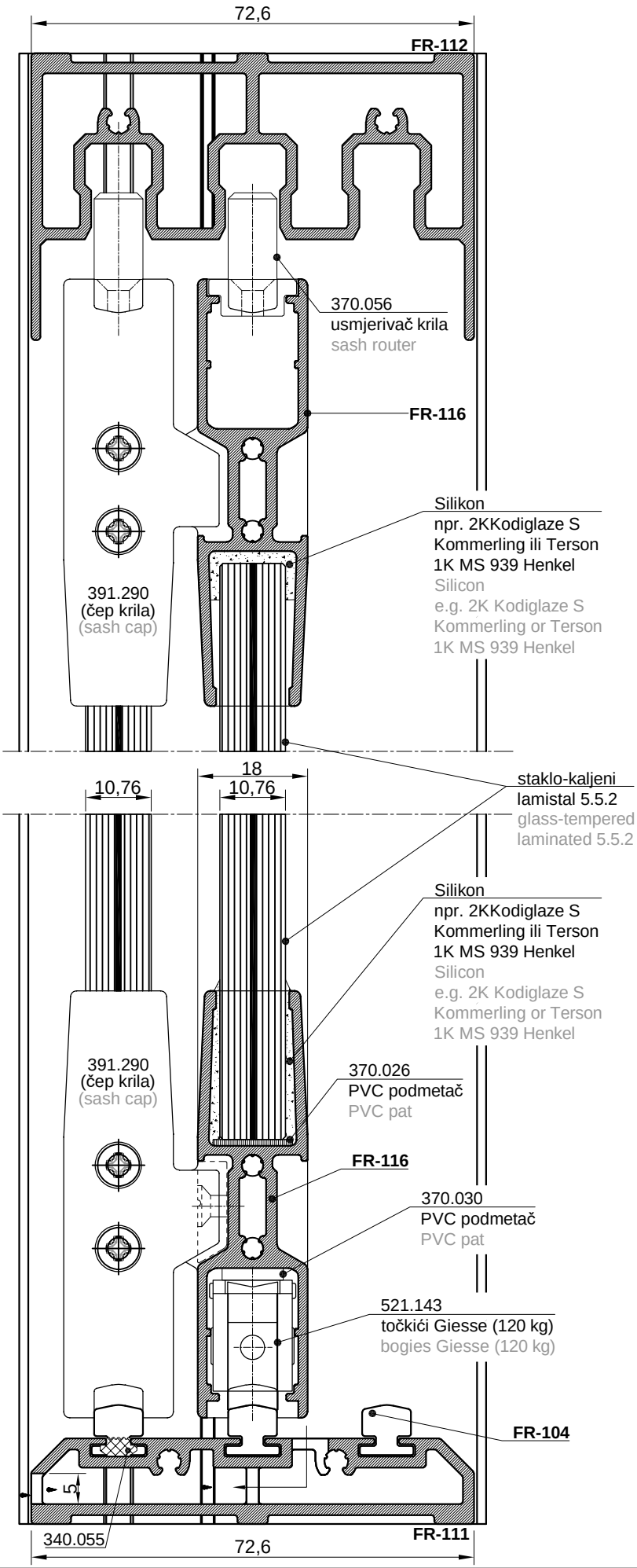


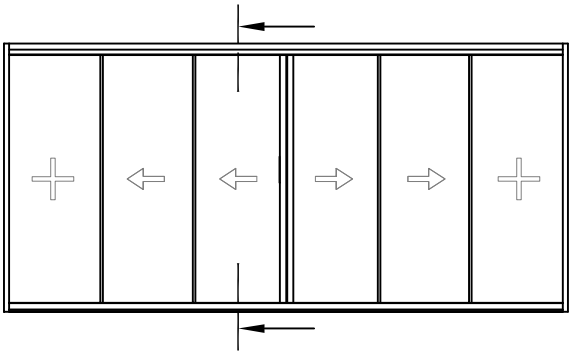
Presjek D-D
M1:1.5

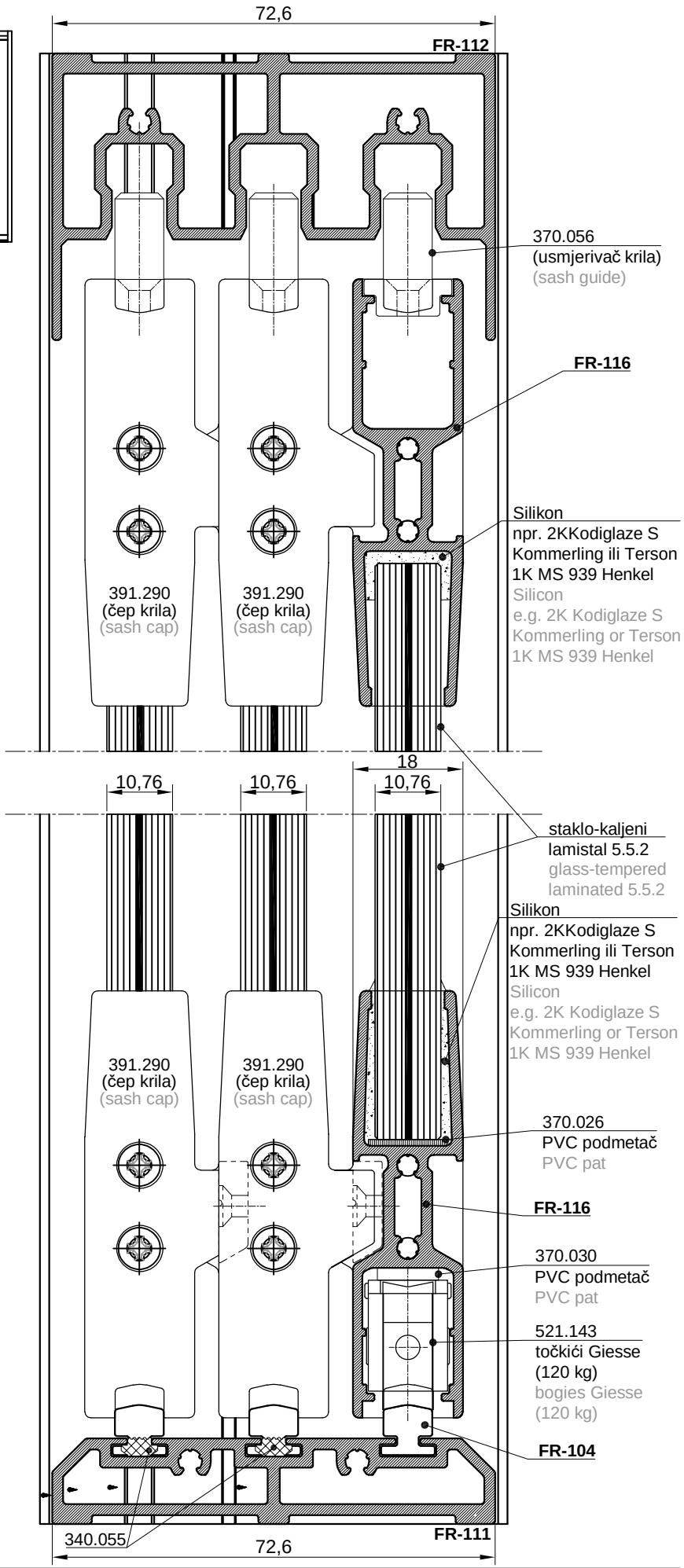


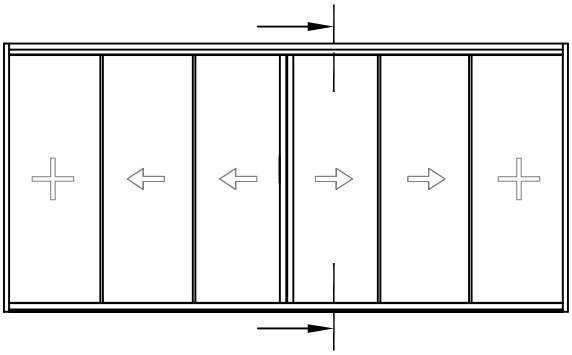

72,6
FR-112
37
521.145
umetak za fiksiranje krila
insert for sash fixation
370.056
usmjerivač krila
sash router
FR-116
70
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
23,4
18
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
24
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
70
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-104
17,5
14
5
FR-111
72,6

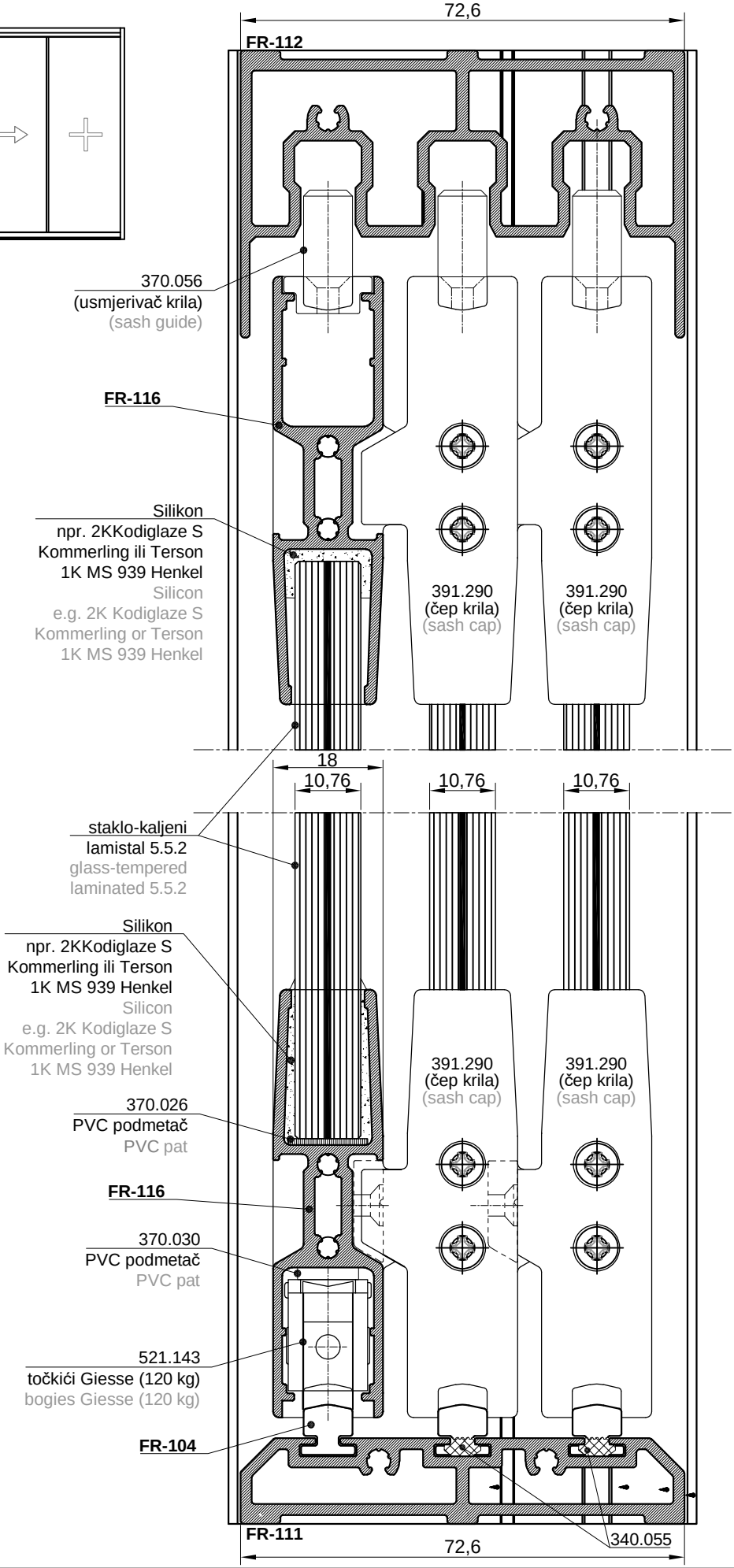


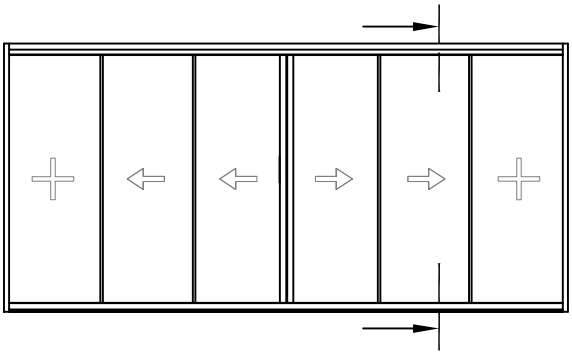

72,6
FR-112
370.056
usmjerivač krila
sash router
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
18
10,76
10,76
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
5
340.055
72,6
FR-111

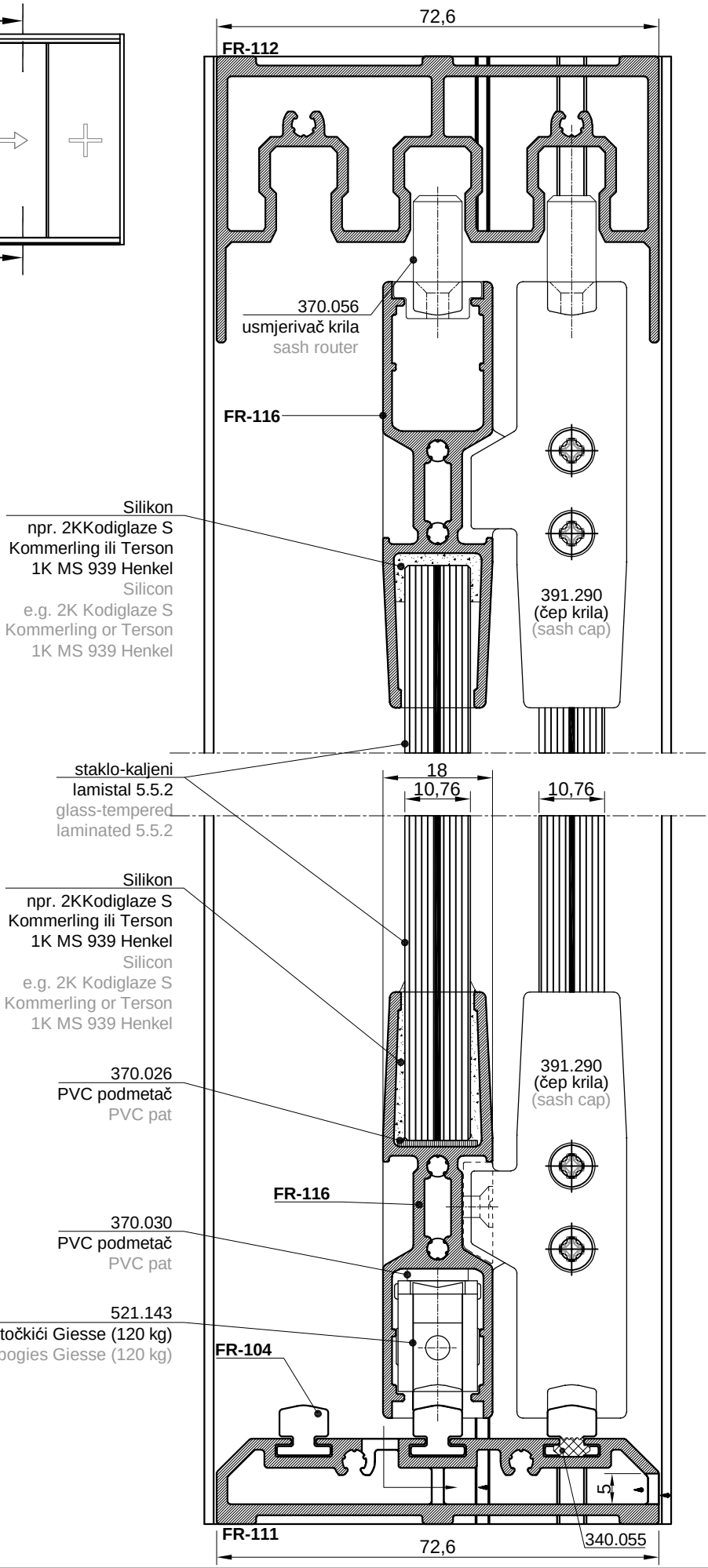


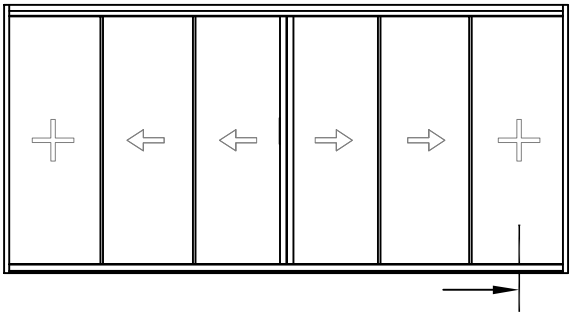

72,6
FR-112
370.056
(usmjerivač krila)
(sash guide)
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
18
10,76
10,76
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse
(120 kg)
bogies Giesse
(120 kg)
FR-104
340.055
FR-111
72,6

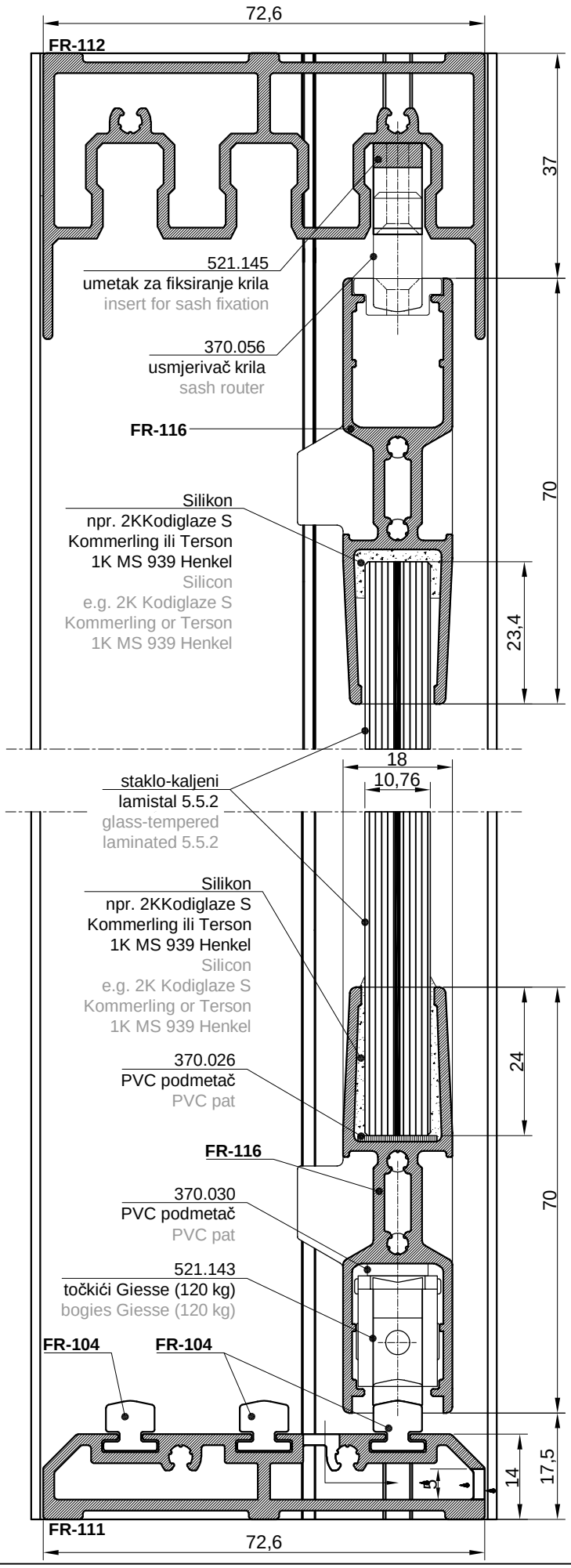


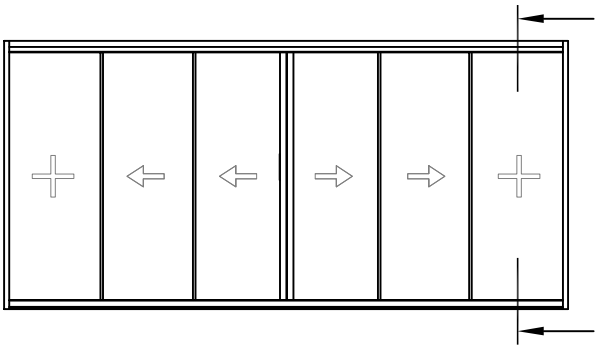

72,6
FR-112
370.056
(usmjerivač krila)
(sash guide)
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
18
10,76
10,76
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
391.290
(čep krila)
(sash cap)
370.026
PVC podmetač
PVC pat
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-111
340.055
72,6



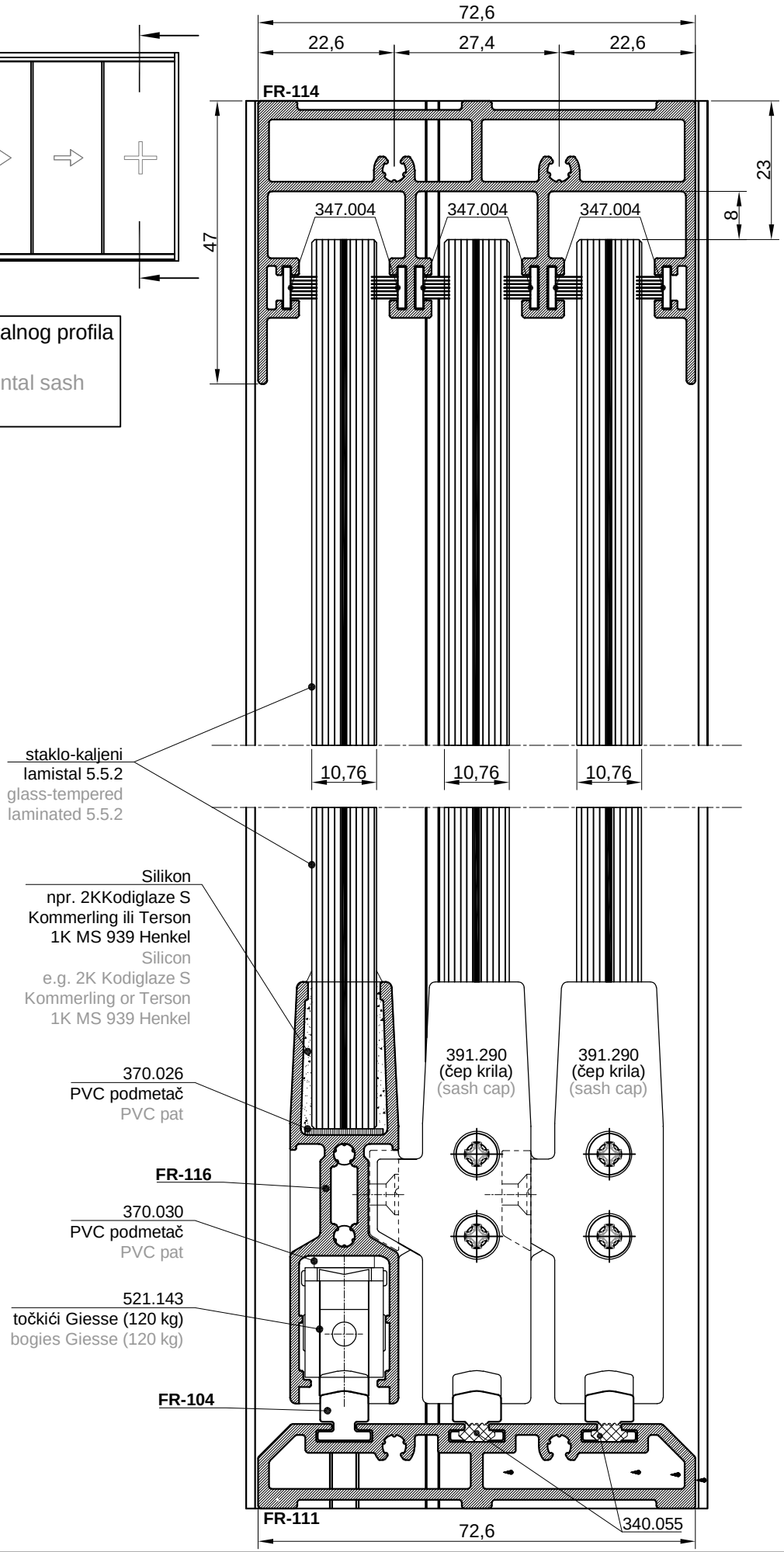

72,6
FR-112
370.056
usmjerivač krila
sash router
FR-116
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
391.290
(čep krila)
(sash cap)
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
18
10,76
10,76
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
370.026
PVC podmetač
PVC pat
391.290
(čep krila)
(sash cap)
FR-116
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
5
FR-111
72,6
340.055

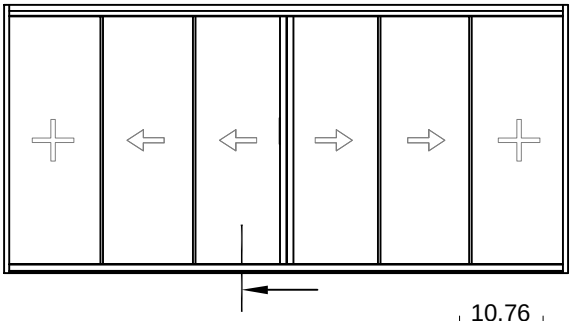



72,6
FR-112
37
521.145
umetak za fiksiranje krila
insert for sash fixation
370.056
usmjerivač krila
sash router
FR-116
70
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
23,4
18
10,76
staklo-kaljeni
lamistal 5.5.2
glass-tempered
laminated 5.5.2
Silikon
npr. 2KKodiglaze S
Kommerling ili Terson
1K MS 939 Henkel
Silicon
e.g. 2K Kodiglaze S
Kommerling or Terson
1K MS 939 Henkel
24
370.026
PVC podmetač
PVC pat
FR-116
70
370.030
PVC podmetač
PVC pat
521.143
točkići Giesse (120 kg)
bogies Giesse (120 kg)
FR-104
FR-104
14
17,5
FR-111
72,6

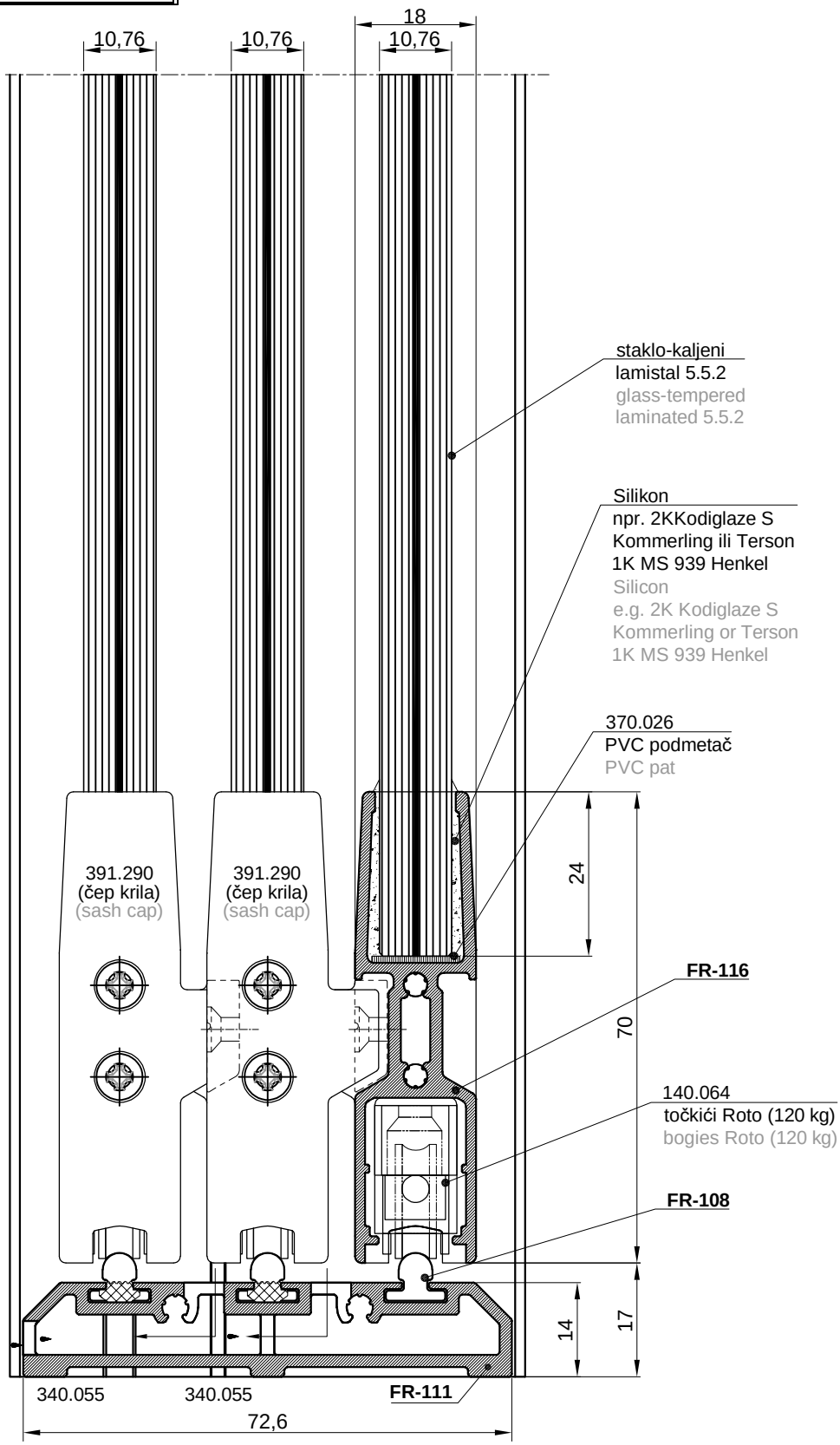


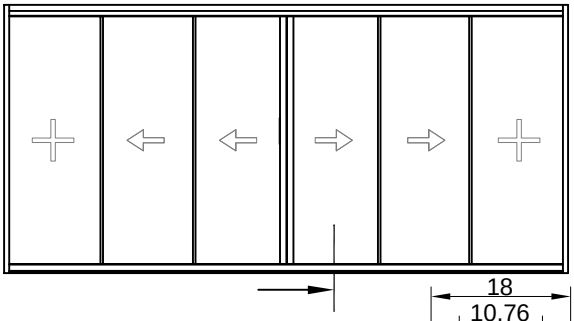
*Opcija bez gornjeg horizontalnog profila krila FR-116
*Option without upper horizontal sash profile FR-116



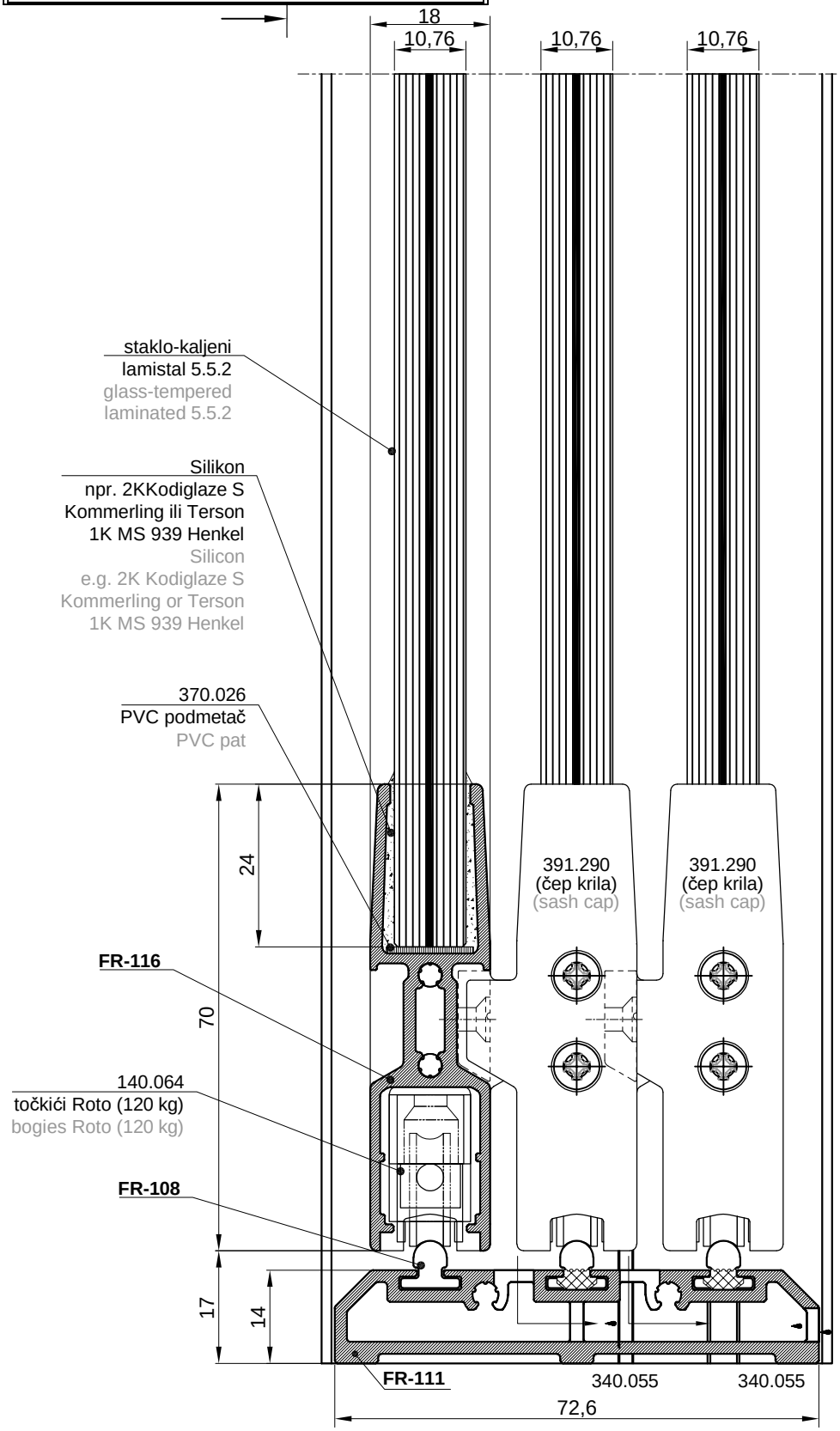


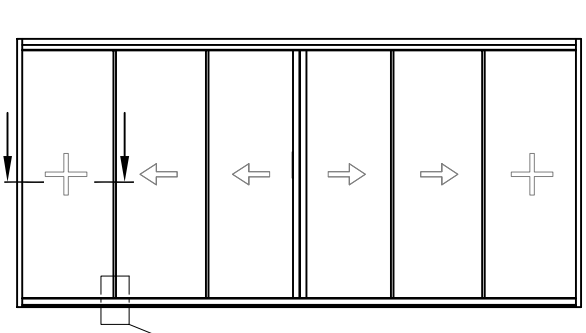
*Mogućnost korištenja točkića 140.064 Roto (120 kg) i vodilice FR-108.
*Possibility of using bogies 140.064 Roto (120 kg) and guide FT-108.

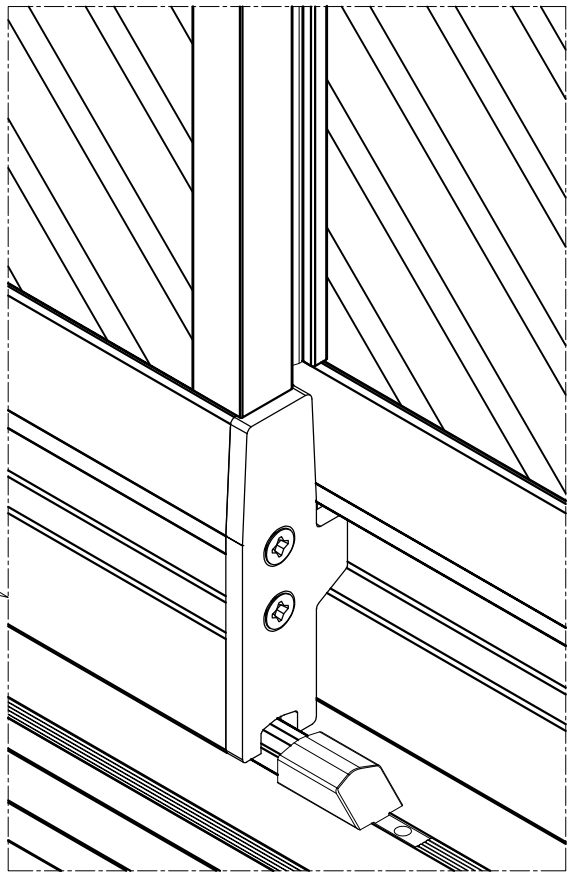


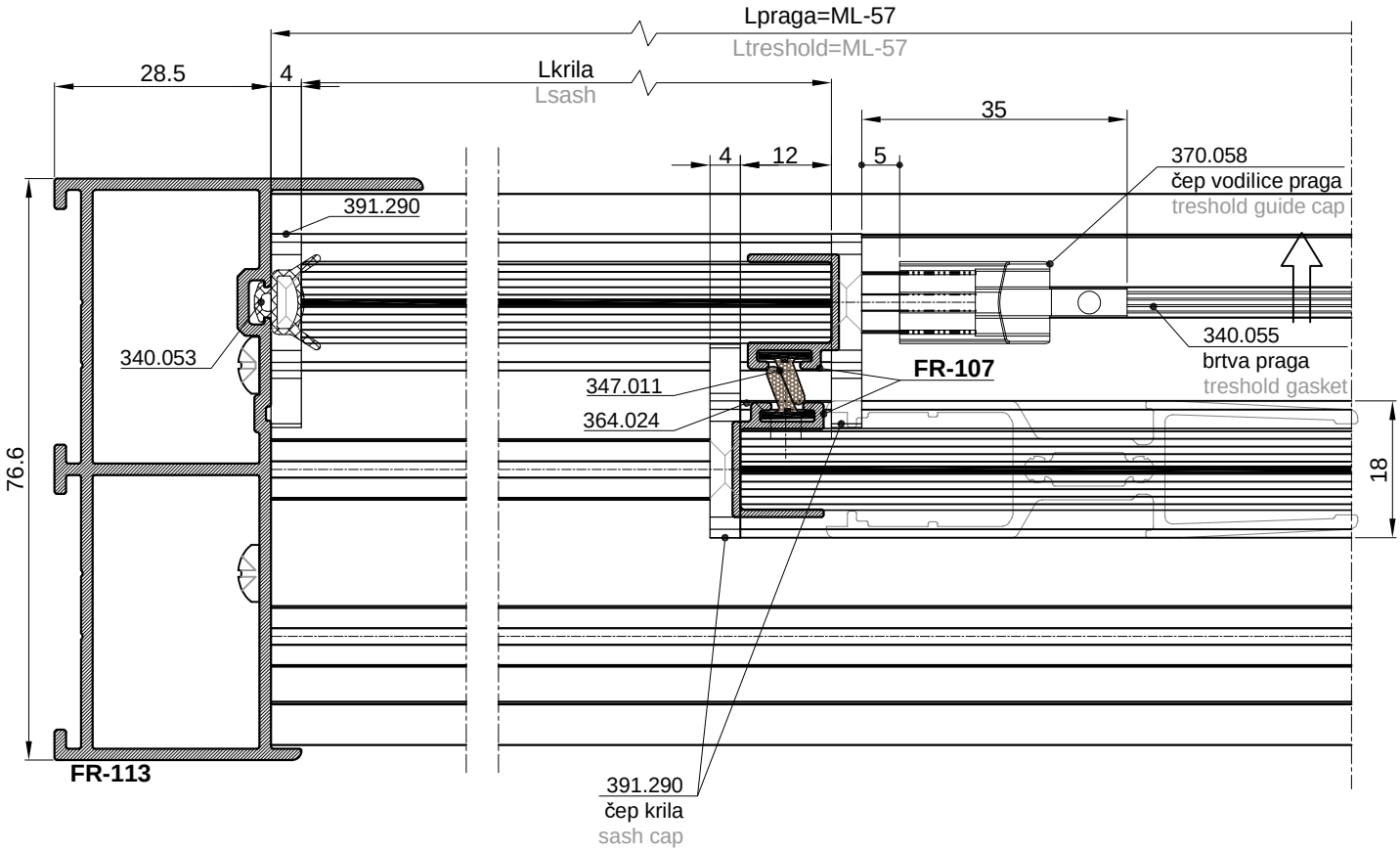


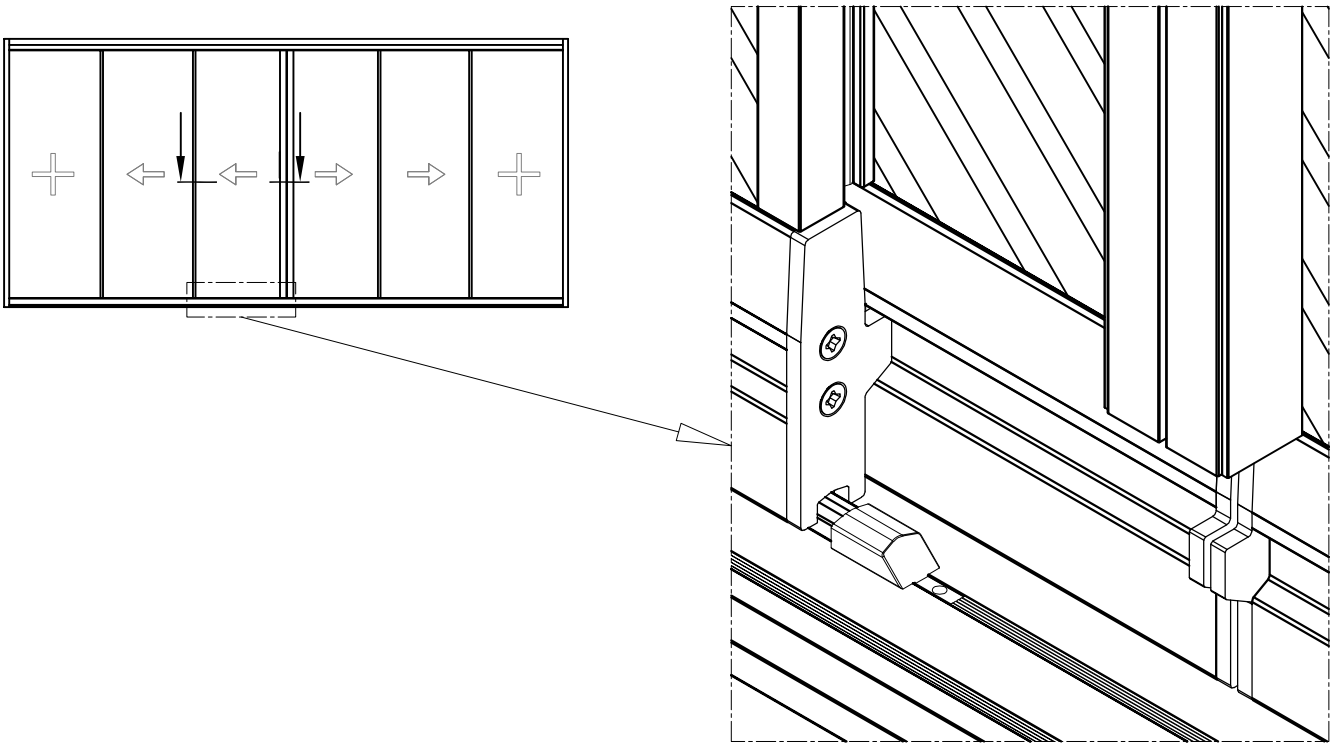
*Mogućnost korištenja točkića 140.064 Roto (120 kg) i vodilice FR-108.
*Possibility of using bogies 140.064 Roto (120 kg) and guide FT-108.

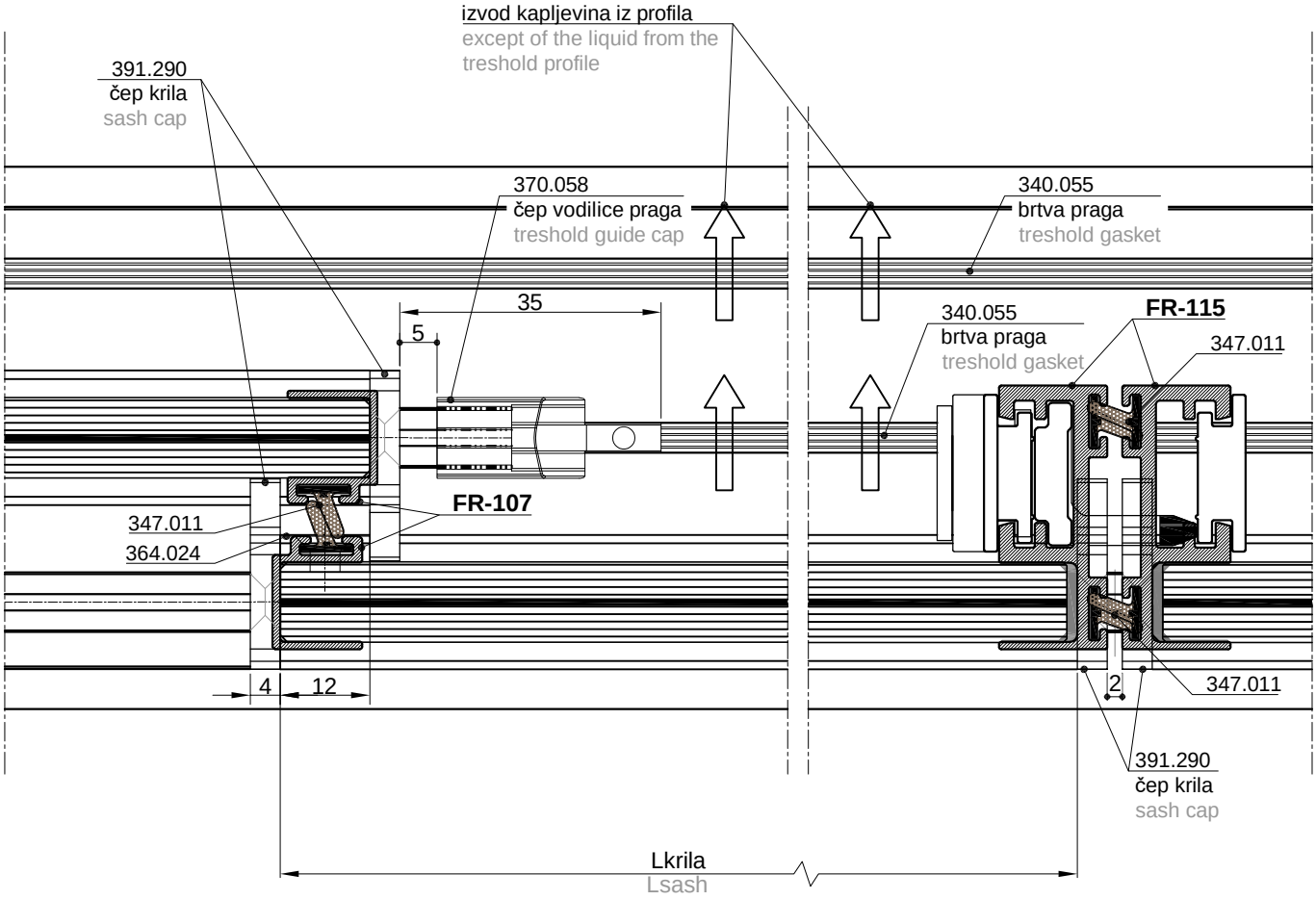




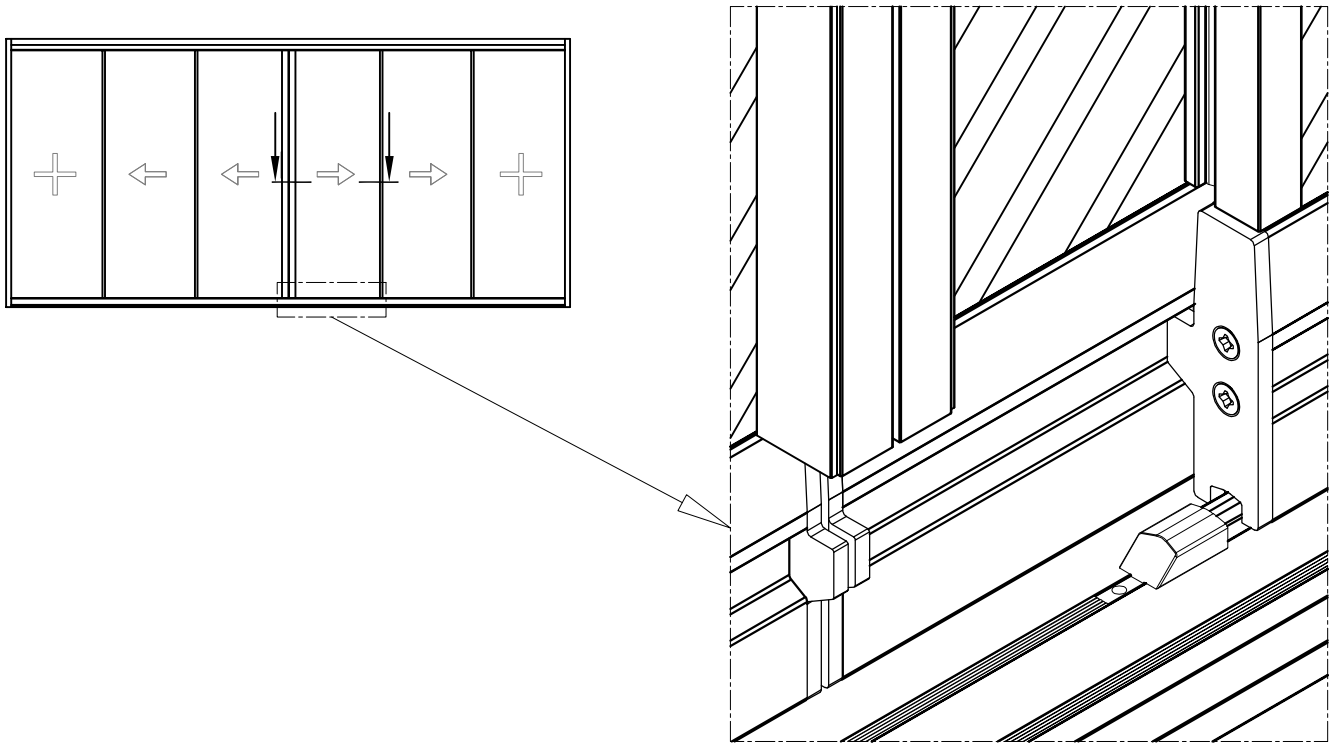


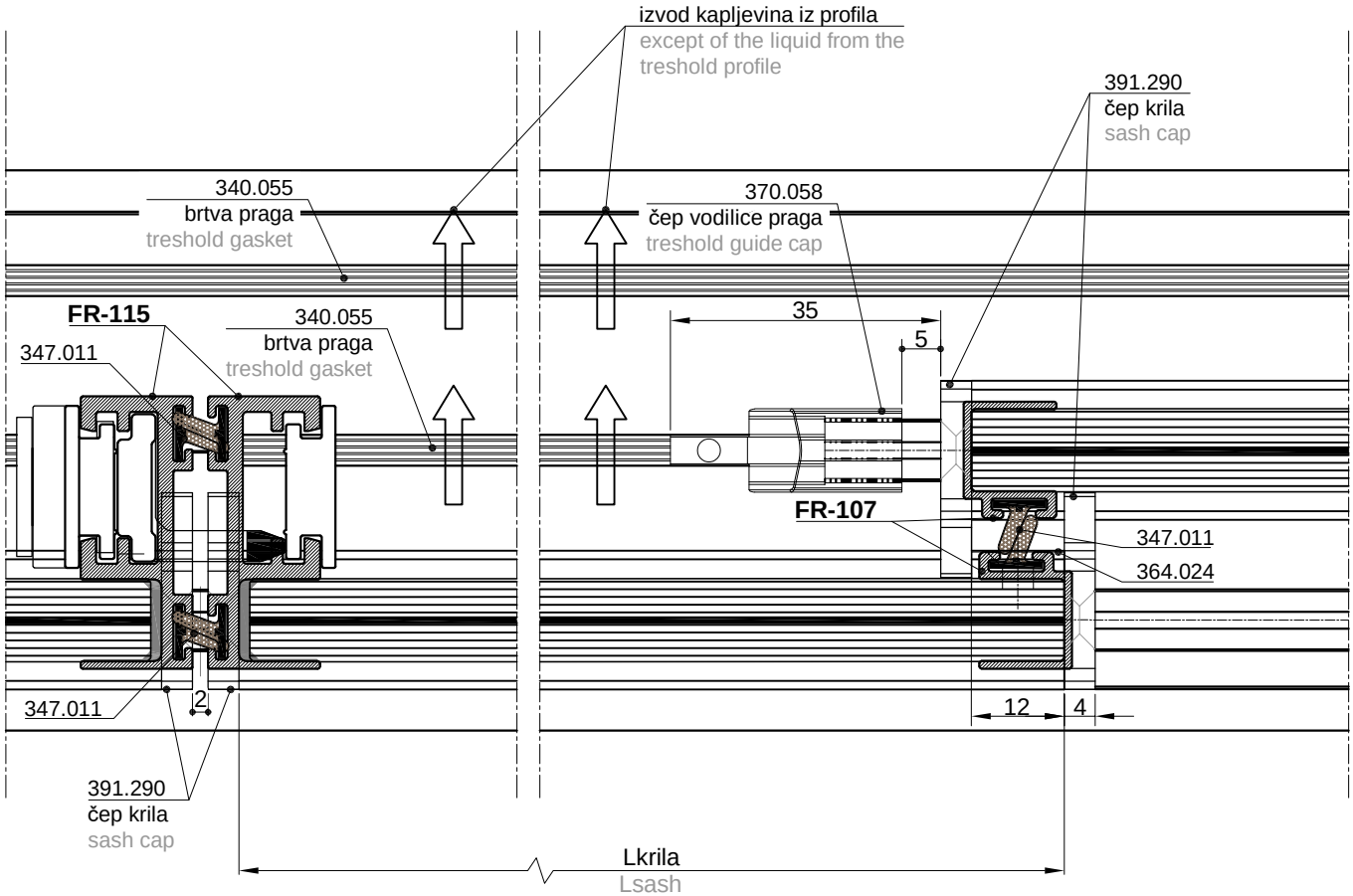

Lpraga=ML-57
Ltreshold=ML-57
28.5
4
Lkrila
Lsash
35
4
12
5
370.058
čep vodilice praga
treshold guide cap
391.290
340.053
340.055
brtva praga
treshold gasket
FR-107
347.011
364.024
76.6
18
FR-113
391.290
čep krila
sash cap



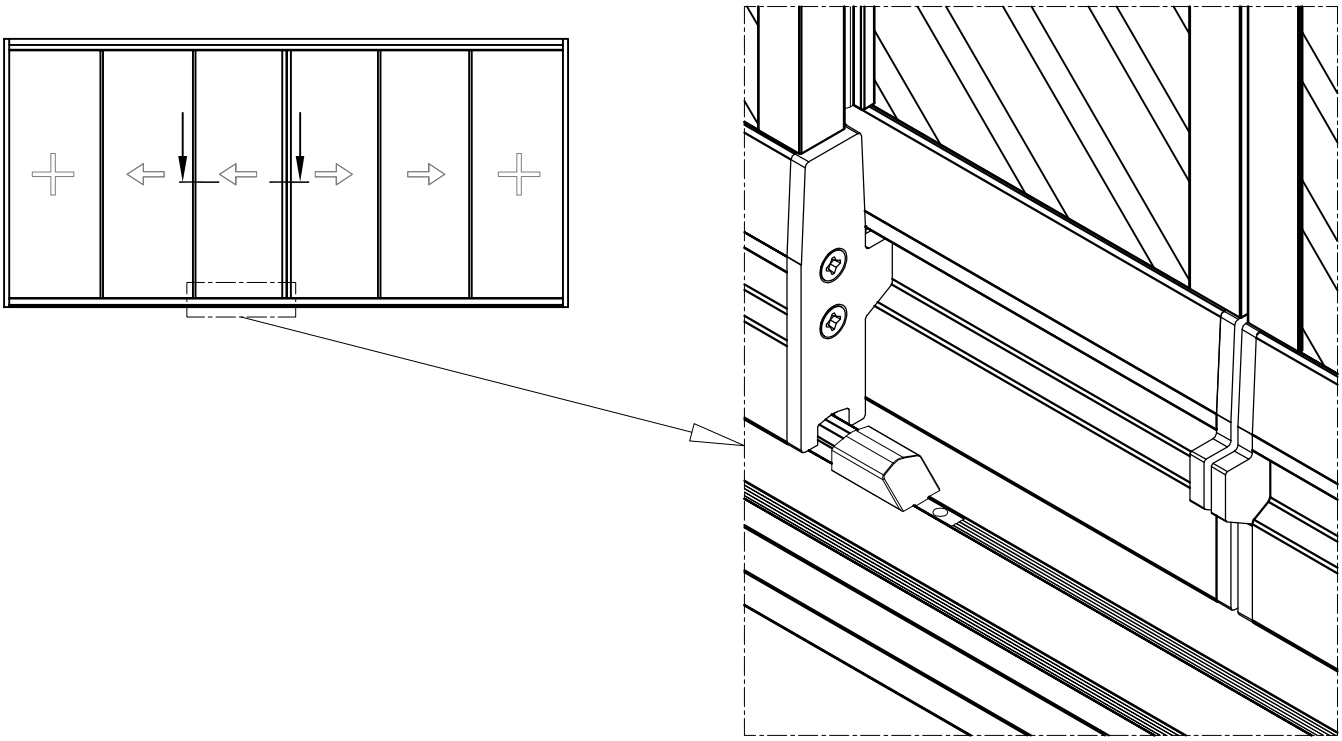


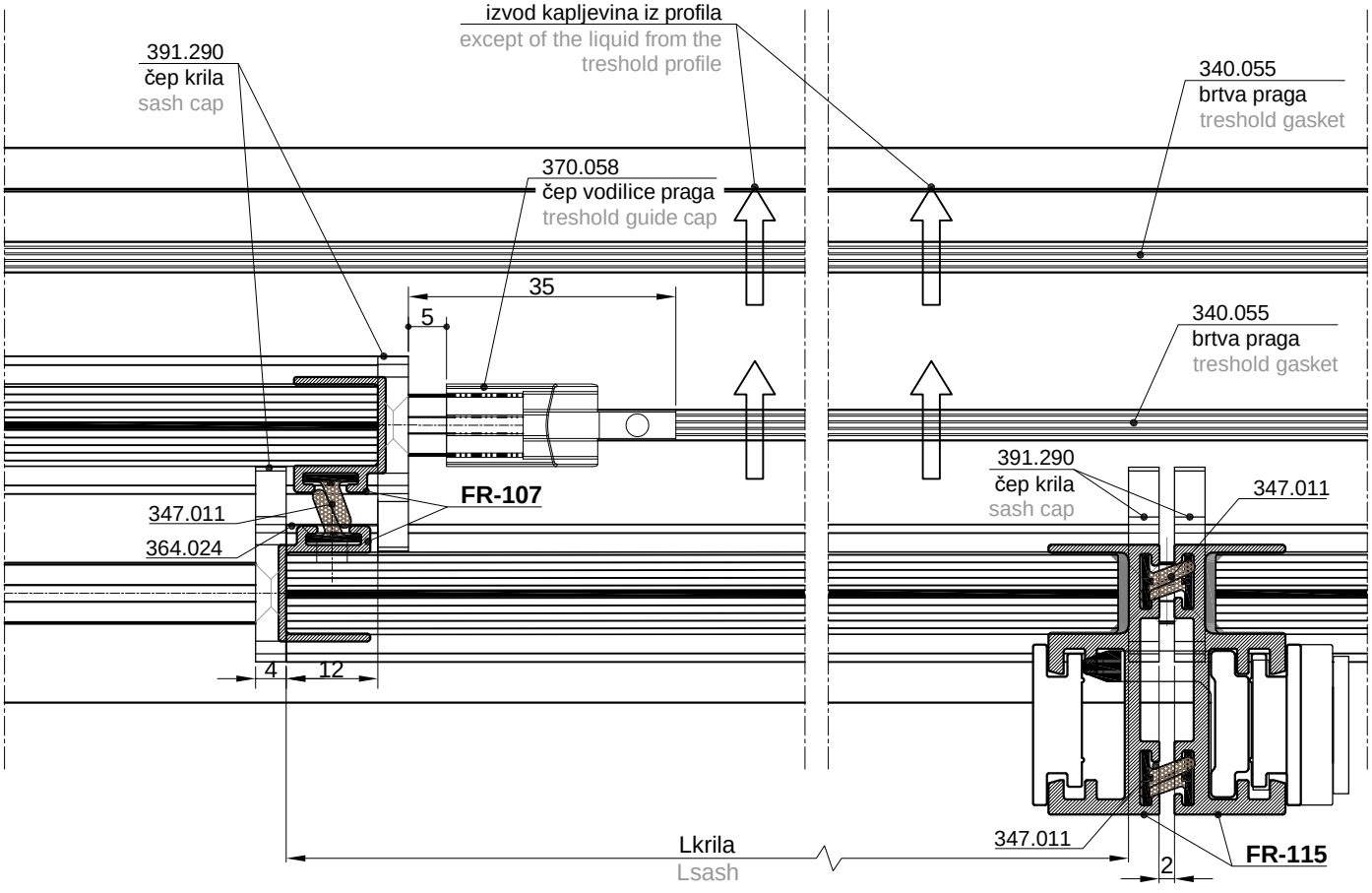
Otvaranje vani
Opening on the outside



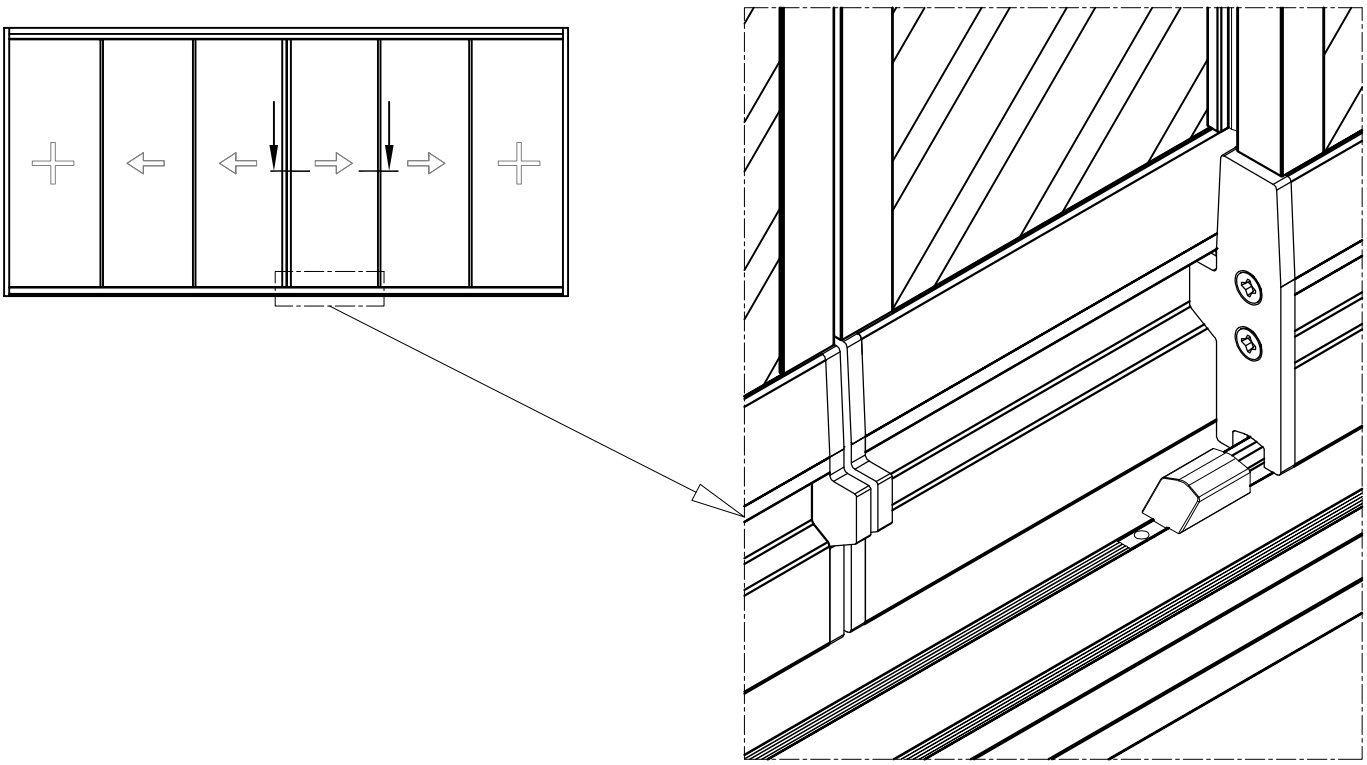


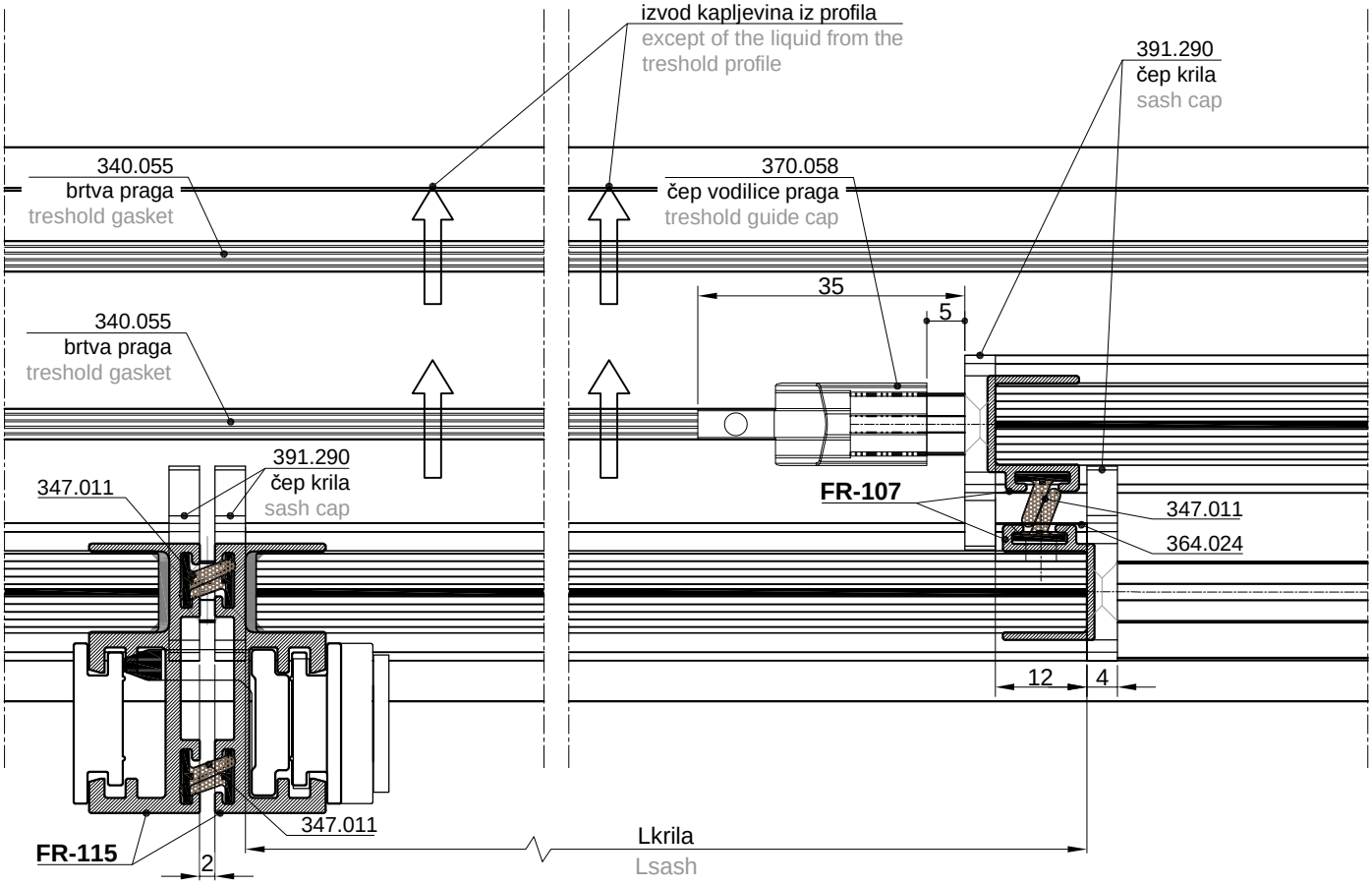
Otvaranje vani
Opening on the outside



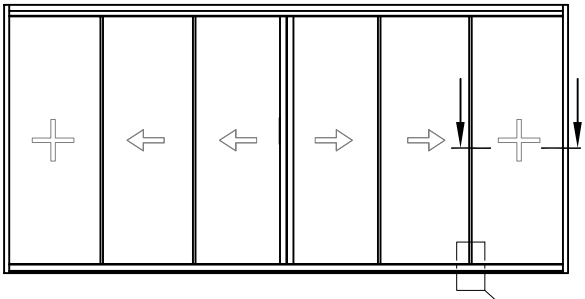


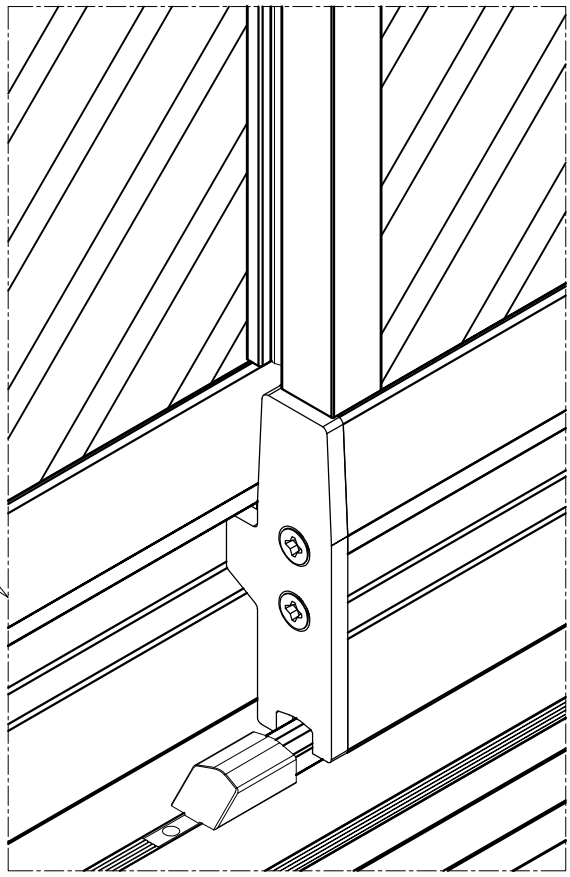
Otvaranje unutra
Opening on the inside

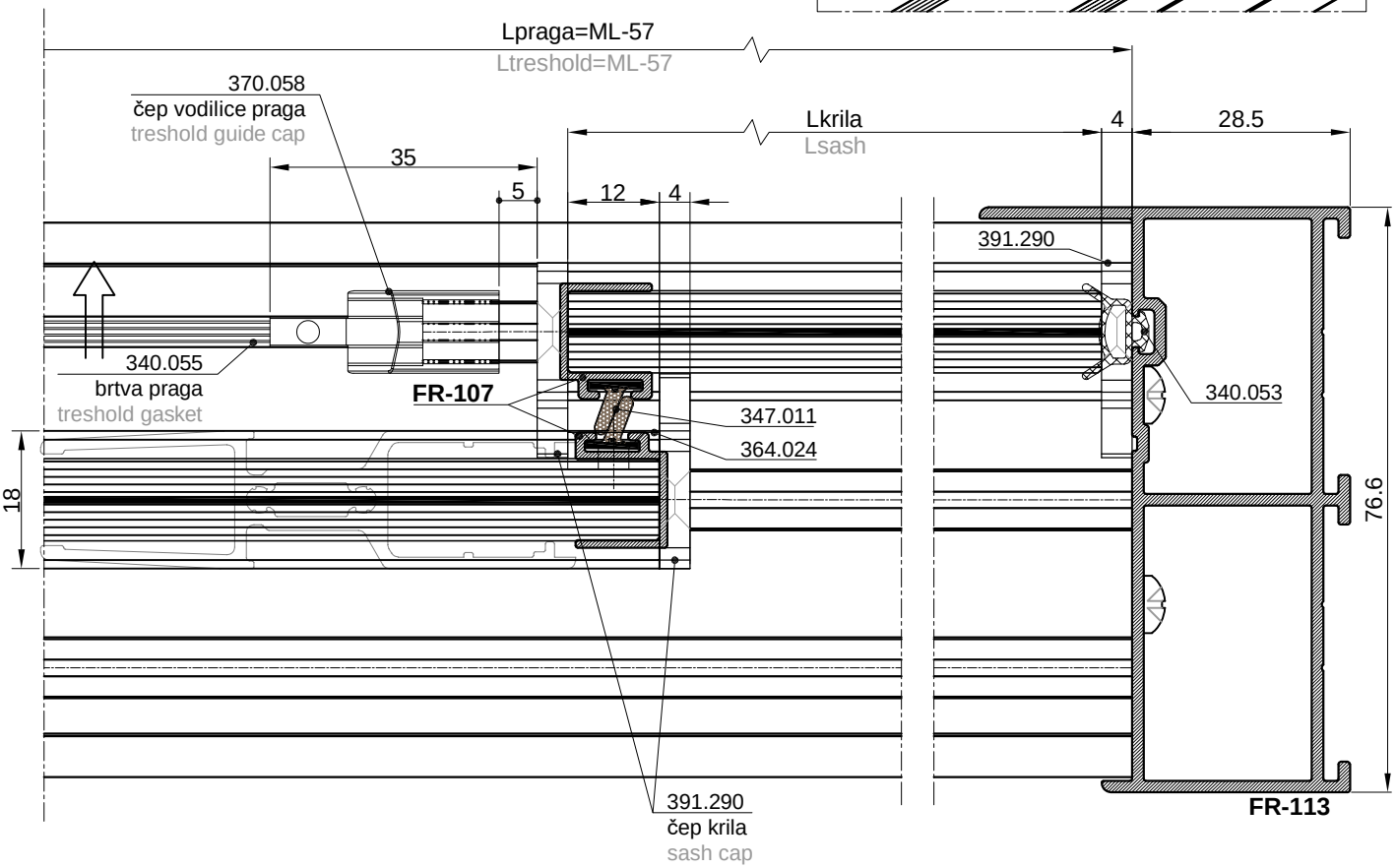




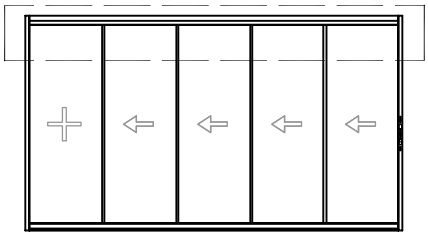
Otvaranje unutra
Opening on the inside



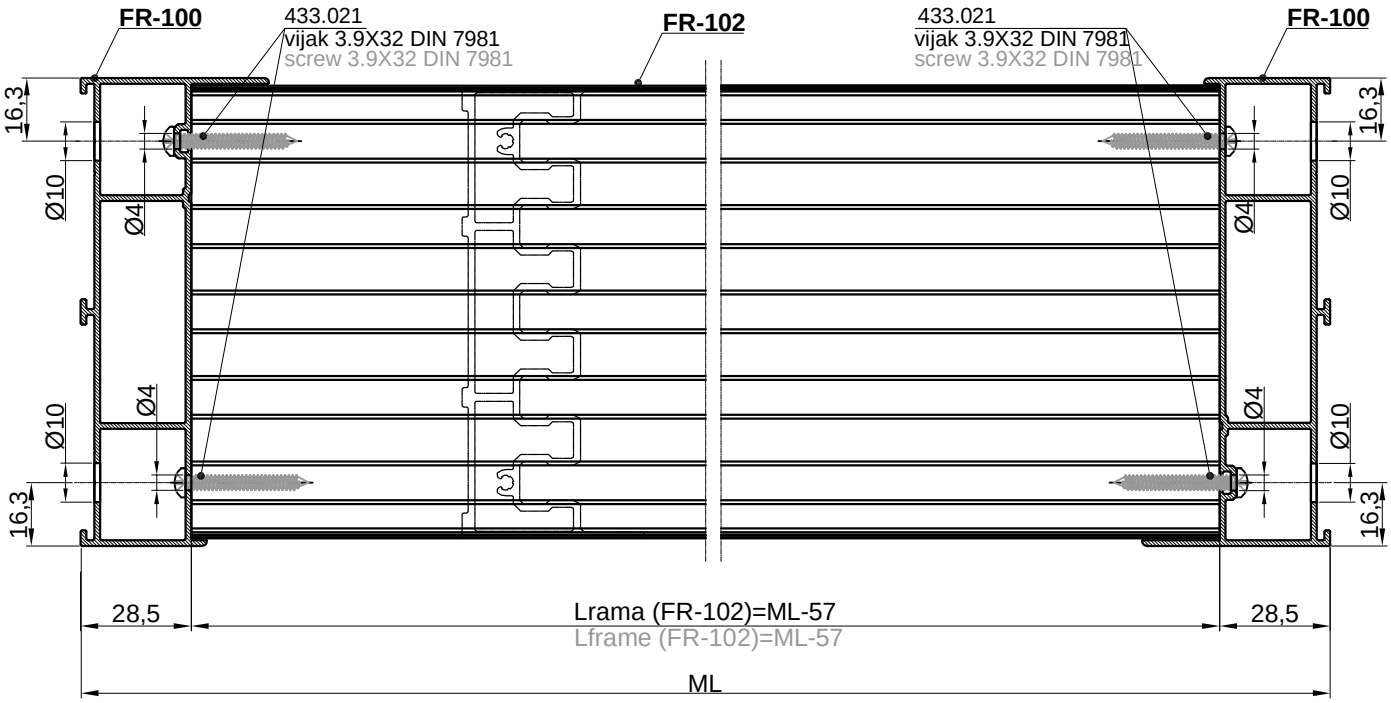



Lpraga=ML-57
Ltreshold=ML-57
370.058
čep vodilice praga
treshold guide cap
35
5
12
4
Lkrila
Lsash
4
28.5
391.290
340.055
brtva praga
treshold gasket
FR-107
347.011
364.024
340.053
18
76.6
391.290
čep krila
sash cap
FR-113

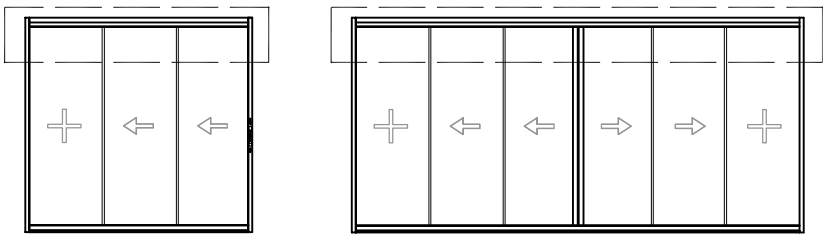
Obrada i montaža
Processing and montage

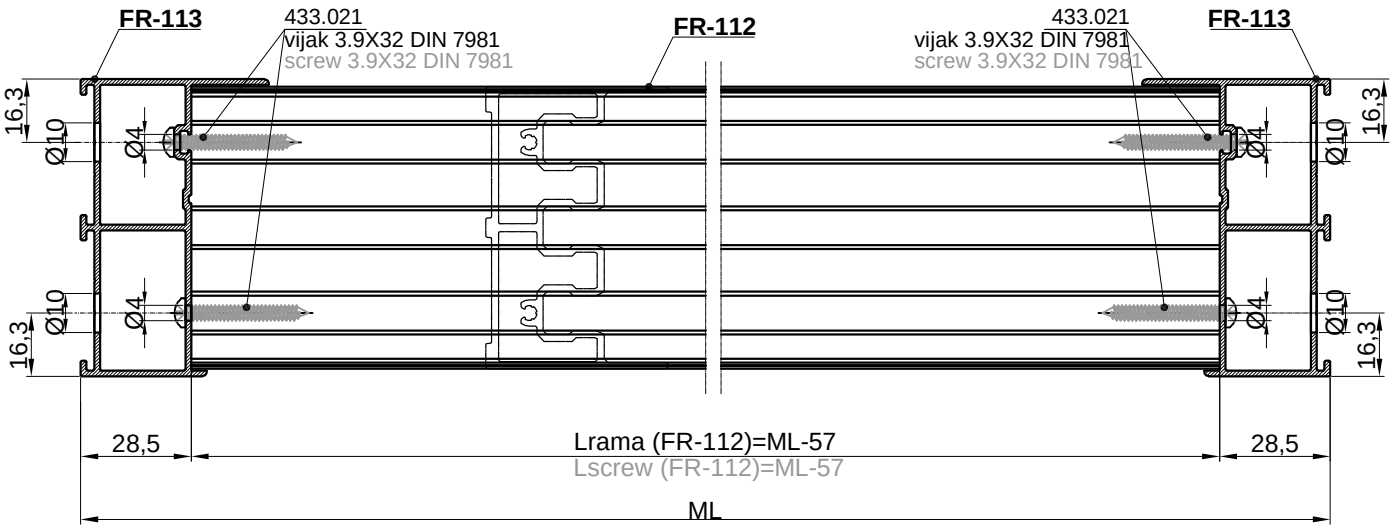


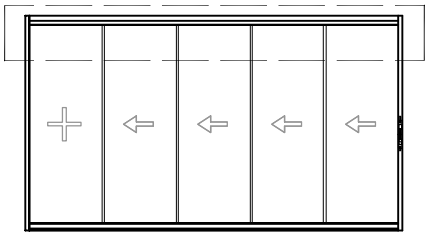
- pilanje gornjeg horizontalnog rama FR-102 i spoj sa vertikalnim ramom FR-100
- cutting the upper horizontal frame FR-102 and connecting to the vertical frame FR-100



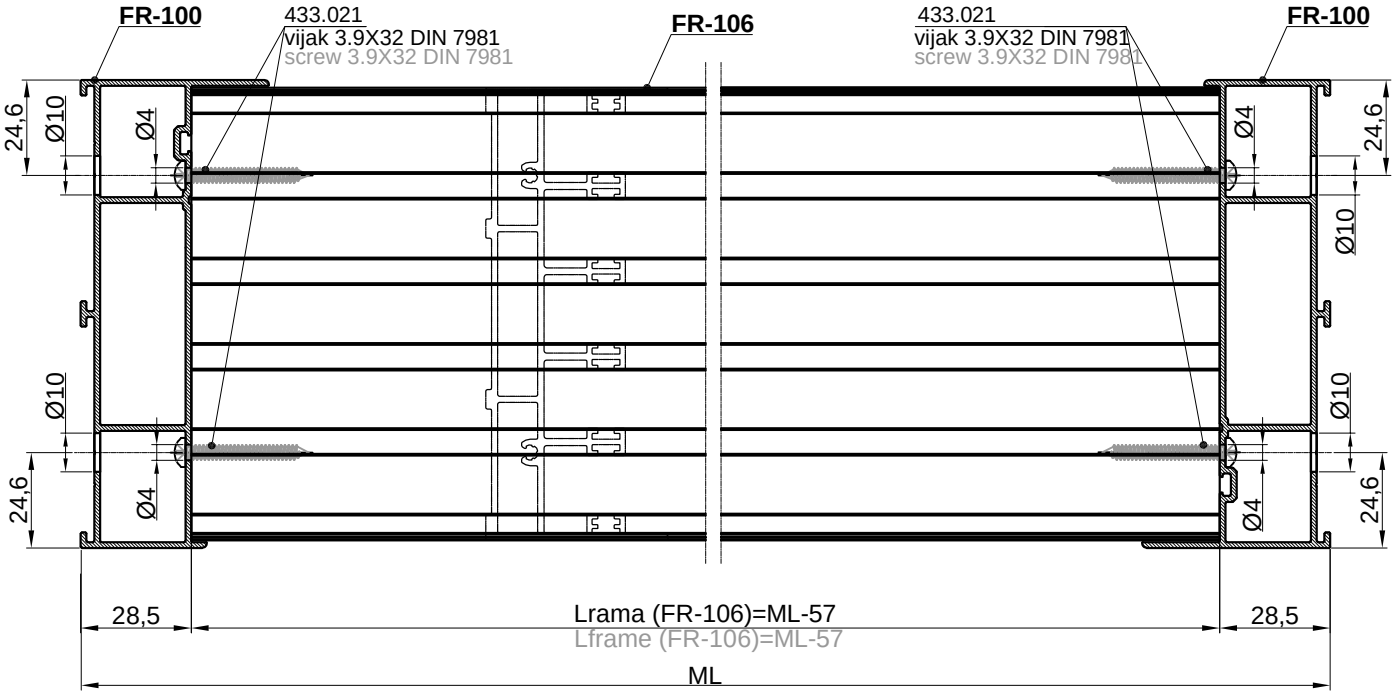
- pilanje gornjeg horizontalnog rama FR-112 i spoj sa vertikalnim ramom FR-113
- cutting the upper horizontal frame FR-112 and connecting to the vertical frame FR-113



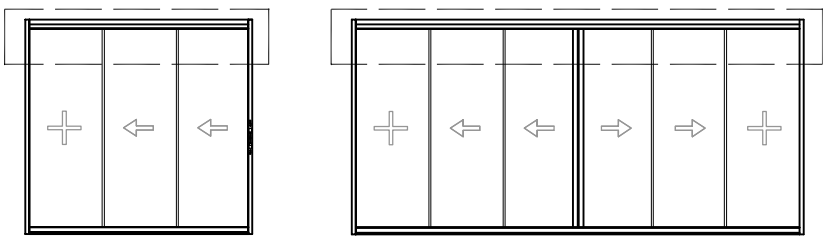


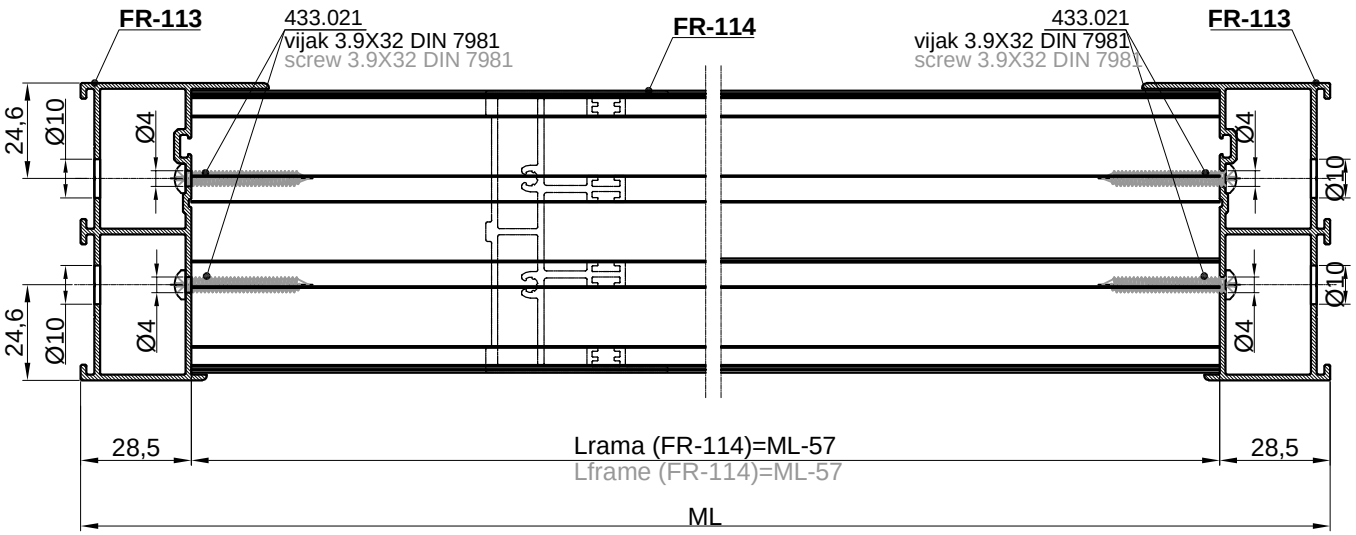


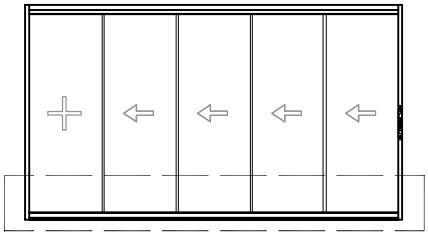
- pilanje gornjeg horizontalnog rama FR-106 i spoj sa vertikalnim ramom FR-100
- cutting the upper horizontal frame FR-106 and connecting to the vertical frame FR-100



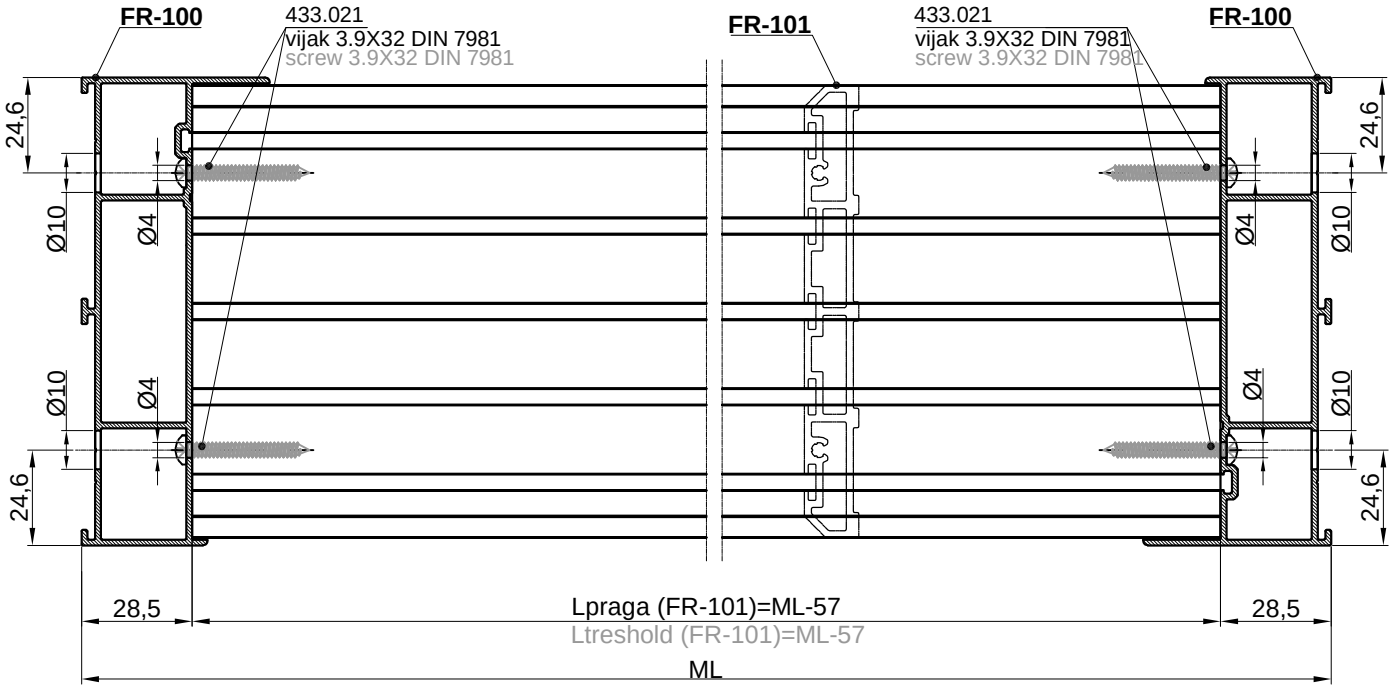
- pilanje gornjeg horizontalnog rama FR-114 i spoj sa vertikalnim ramom FR-113
- cutting the upper horizontal frame FR-114 and connecting to the vertical frame FR-113



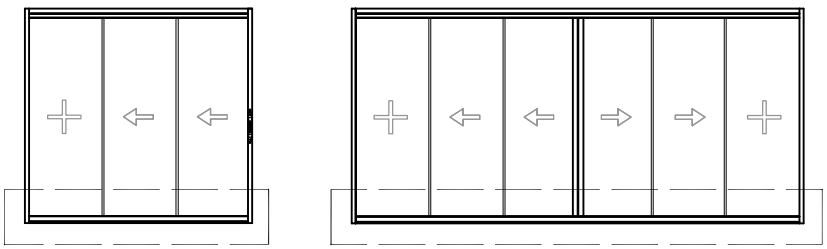


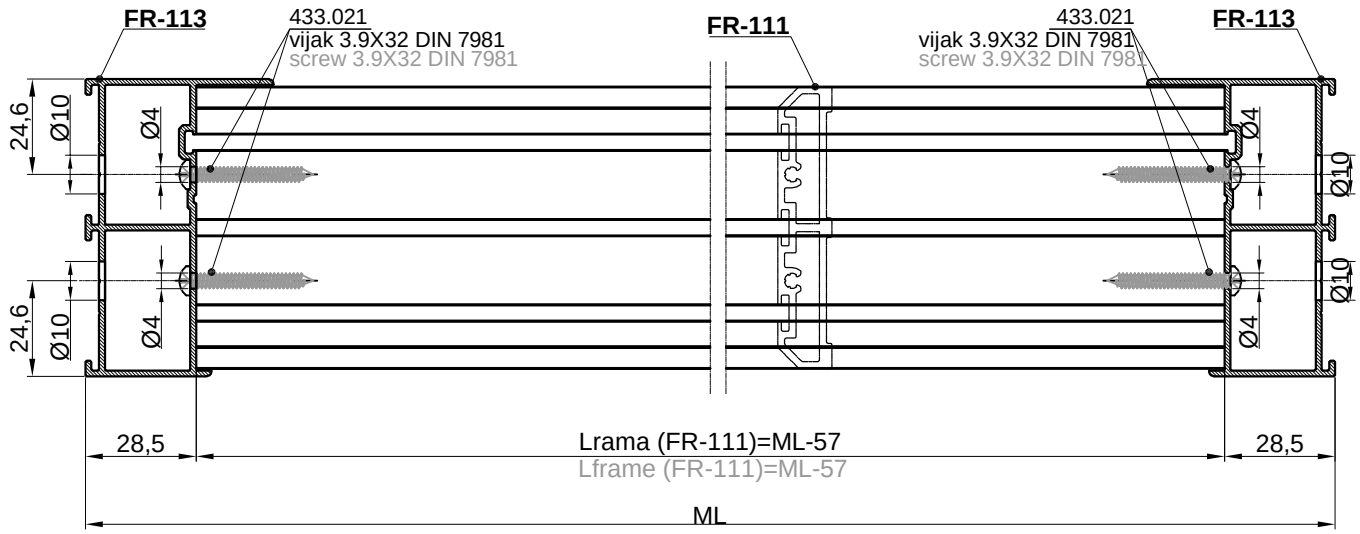


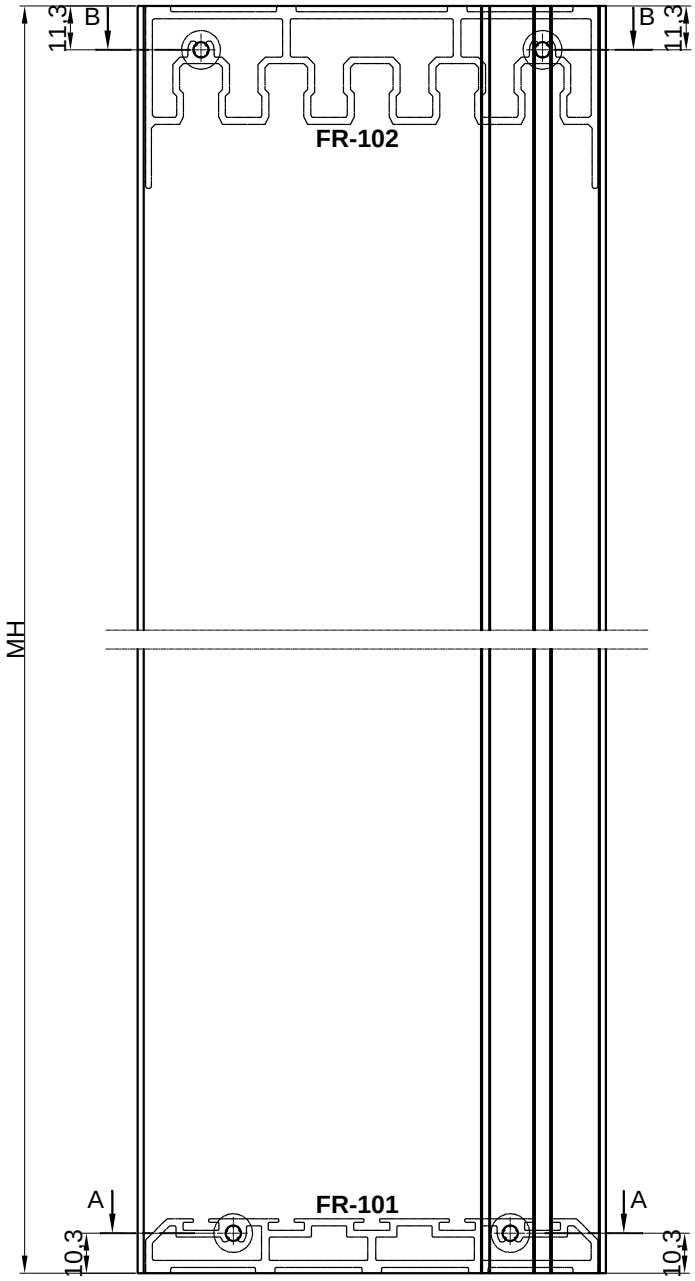
- pilanje donjeg horizontalnog rama FR-101 i spoj sa vertikalnim ramom FR-100
- cutting the lower horizontal frame FR-101 and connecting to the vertical frame FR-100

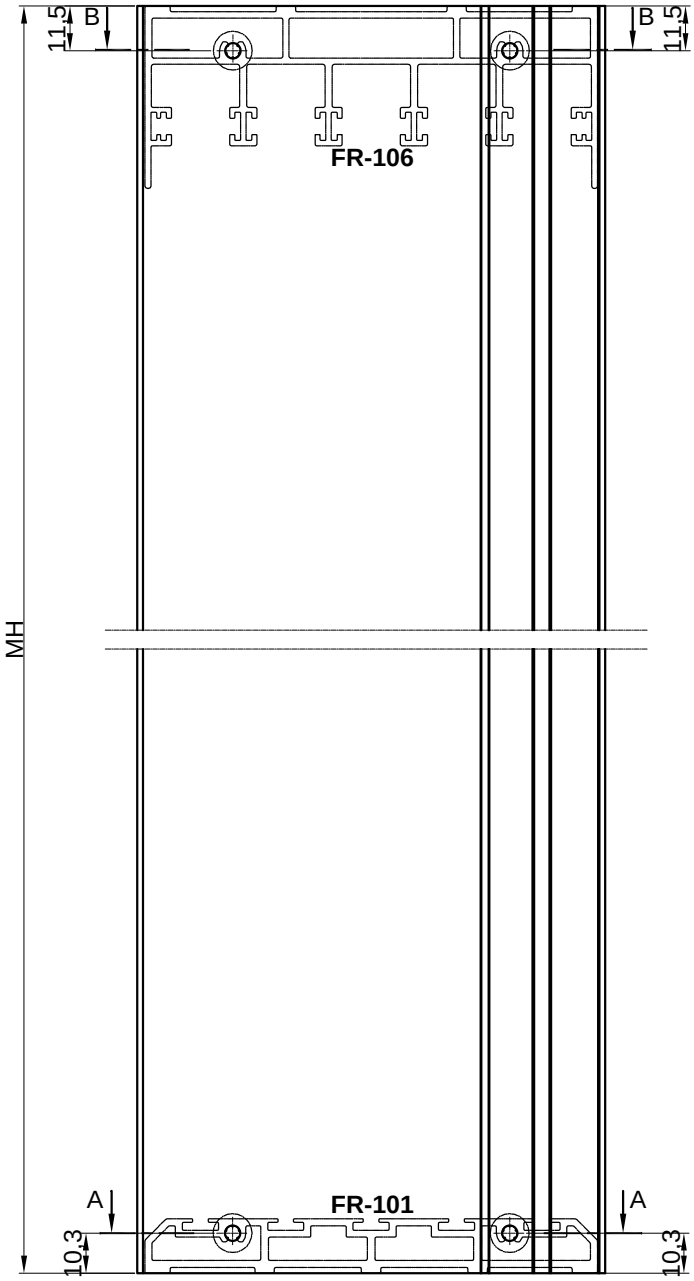


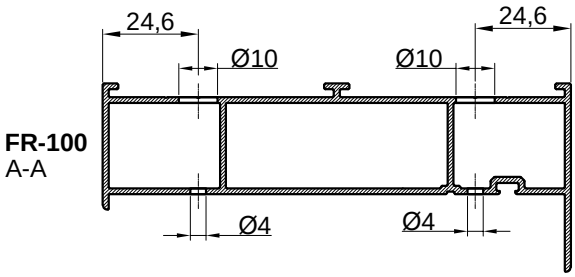
- pilanje donjeg horizontalnog rama FR-111 i spoj sa vertikalnim ramom FR-113
- cutting the lower horizontal frame FR-111 and connecting to the vertical frame FR-113

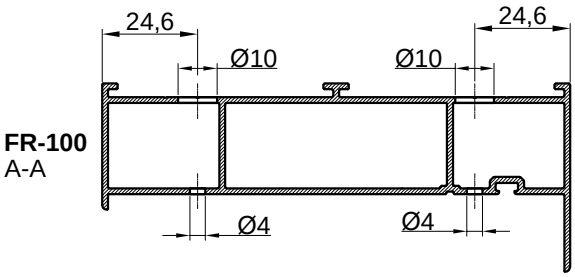


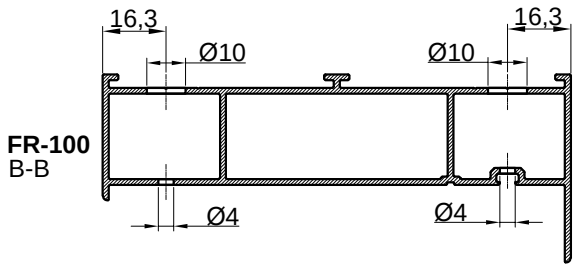


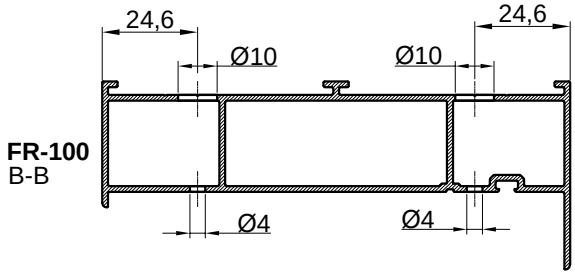

11,3
B
B
11,3
FR-102
MH
A
A
FR-101
10,3
10,3

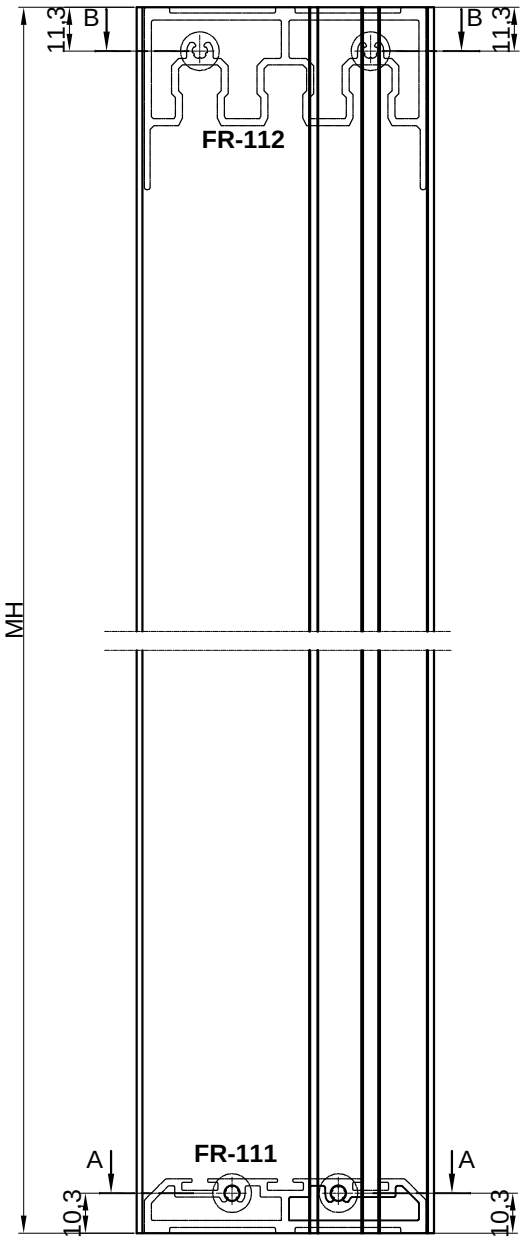

11,5
B
B
11,5
FR-106
MH
A
A
FR-101
10,3
10,3

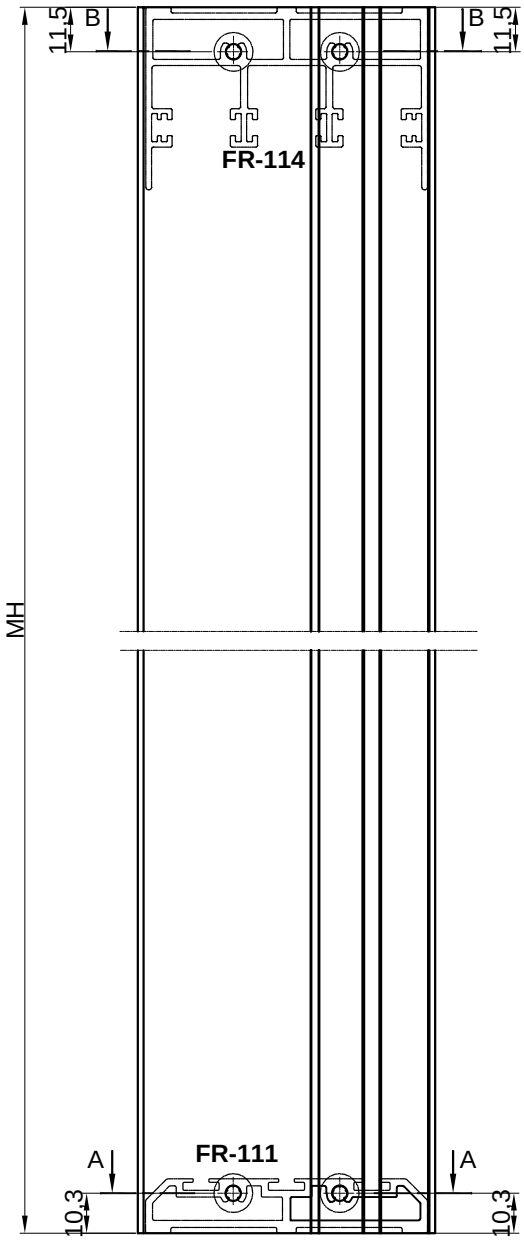

24,6
Ø10
Ø10
24,6
FR-100
A-A
Ø4
Ø4

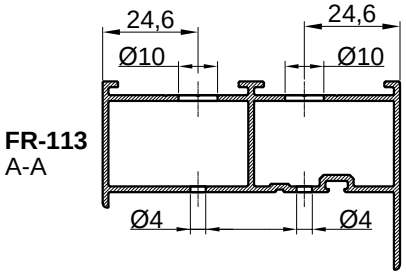

24,6
Ø10
Ø10
24,6
FR-100
A-A
Ø4
Ø4


16,3
Ø10
Ø10
16,3
FR-100
B-B
Ø4
Ø4

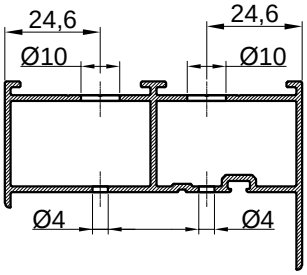

24,6
Ø10
Ø10
24,6
FR-100
B-B
Ø4
Ø4



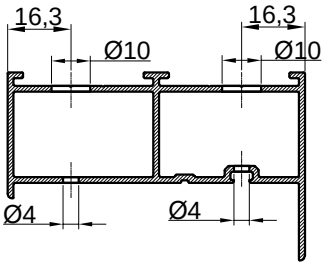




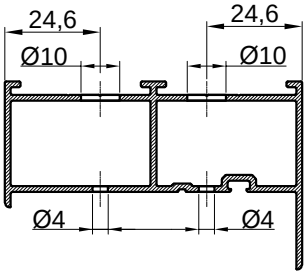
FR-113
A-A



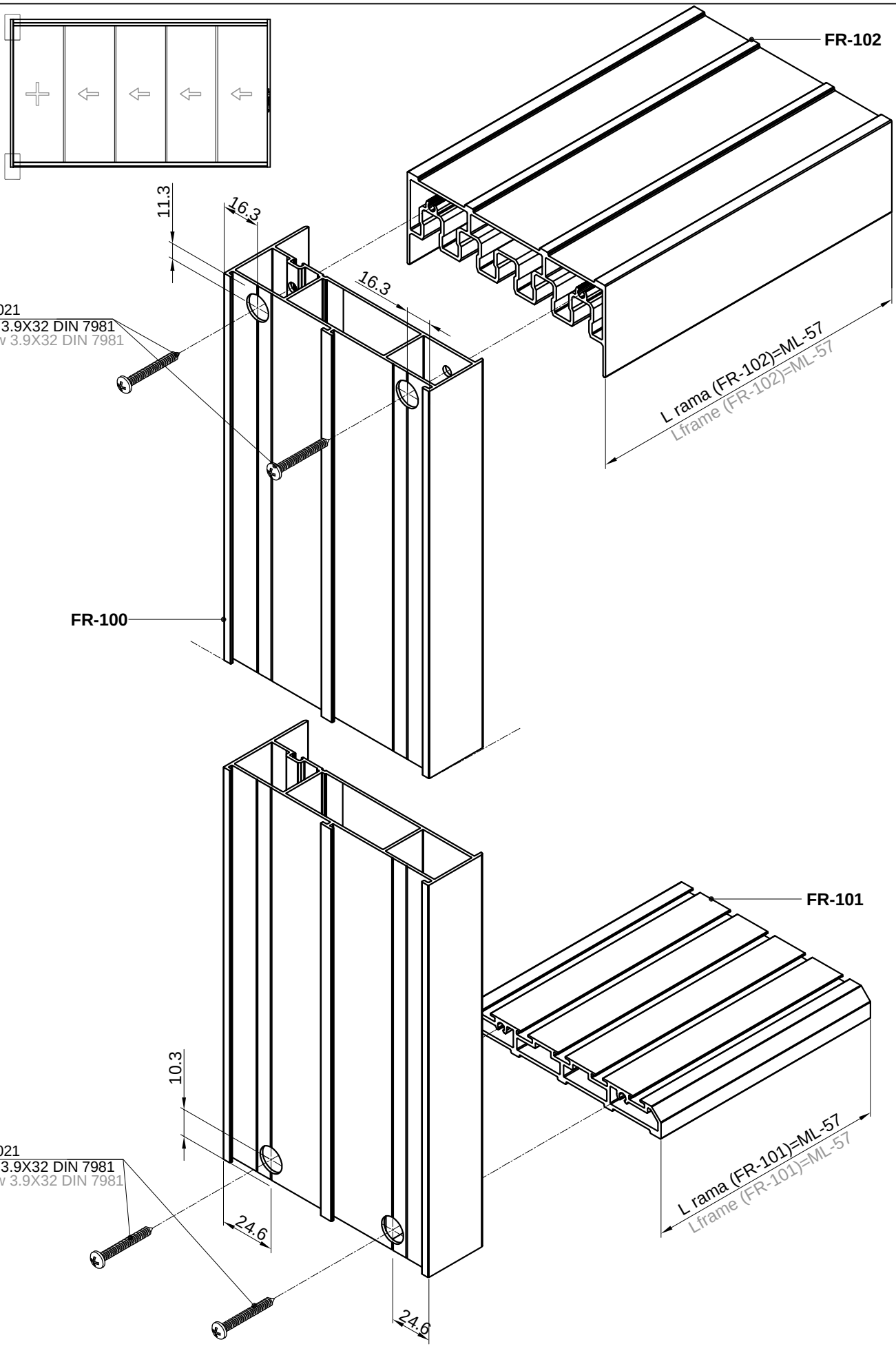
FR-113
A-A

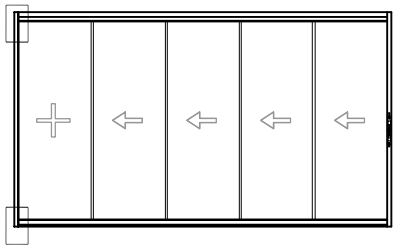


FR-113
B-B

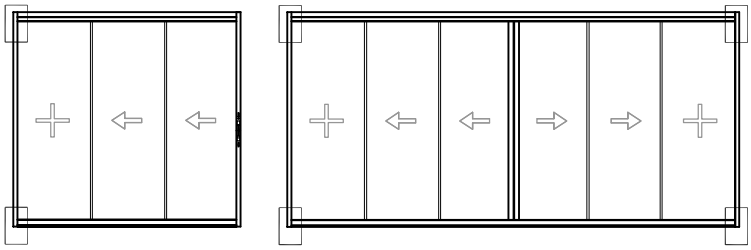


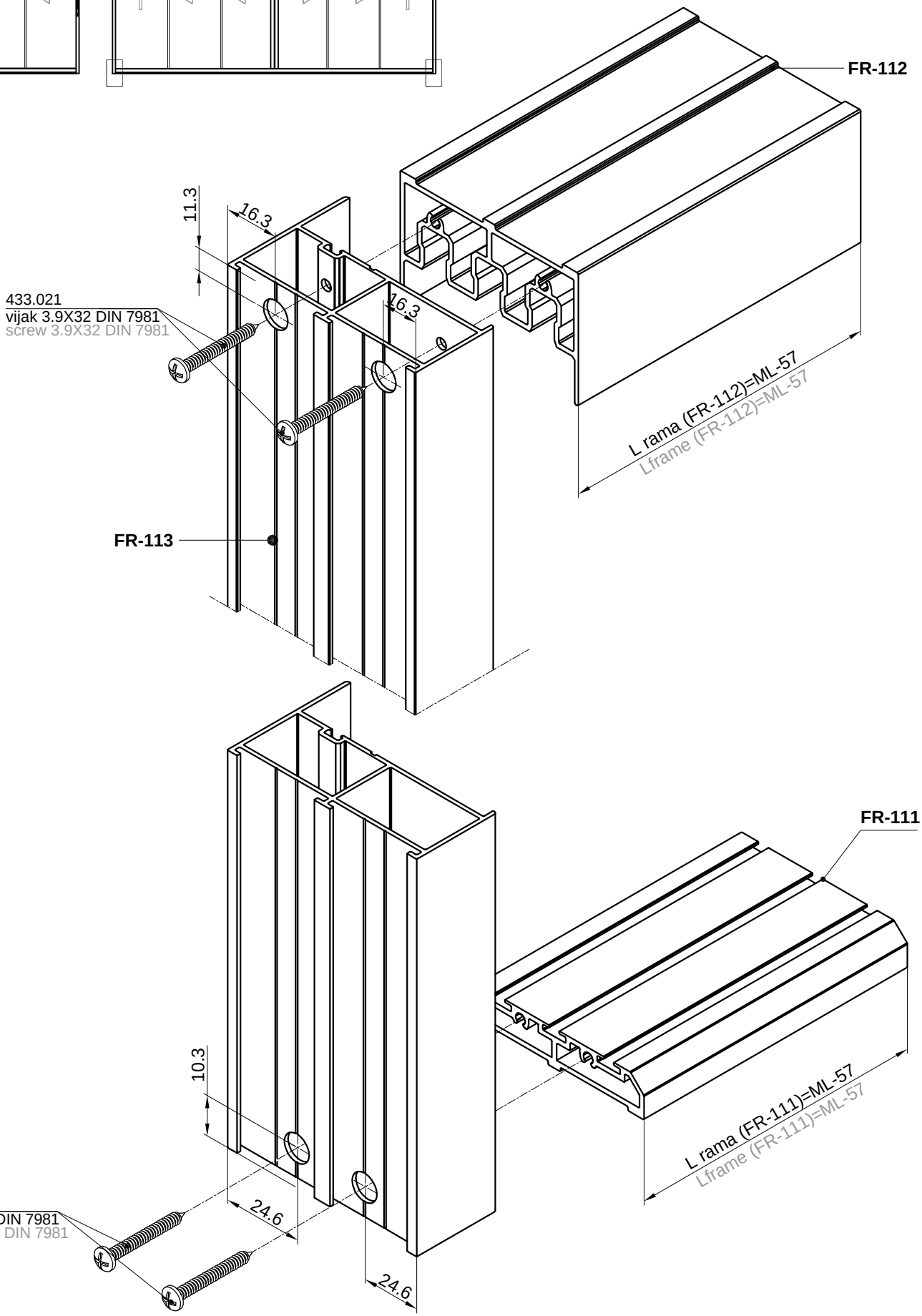
FR-113
B-B

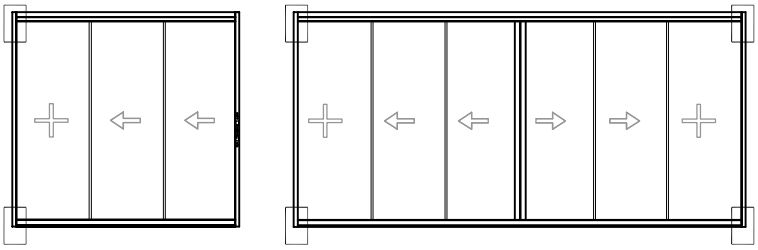

FR-102
11.3
16.3
16.3
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
L rama (FR-102)=ML-57
Lframe (FR-102)=ML-57
FR-100
FR-101
10.3
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
24.6
24.6
L rama (FR-101)=ML-57
Lframe (FR-101)=ML-57

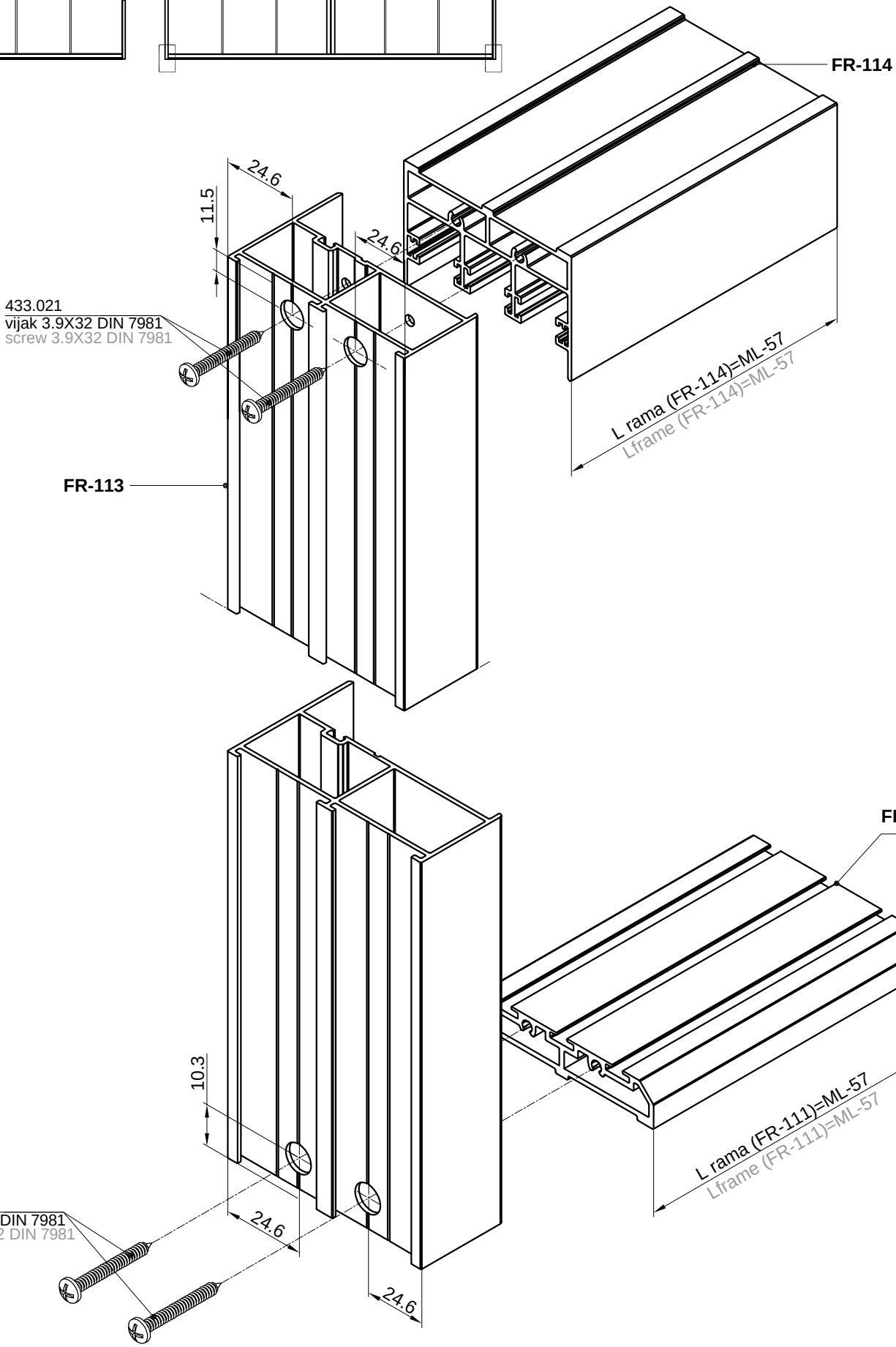


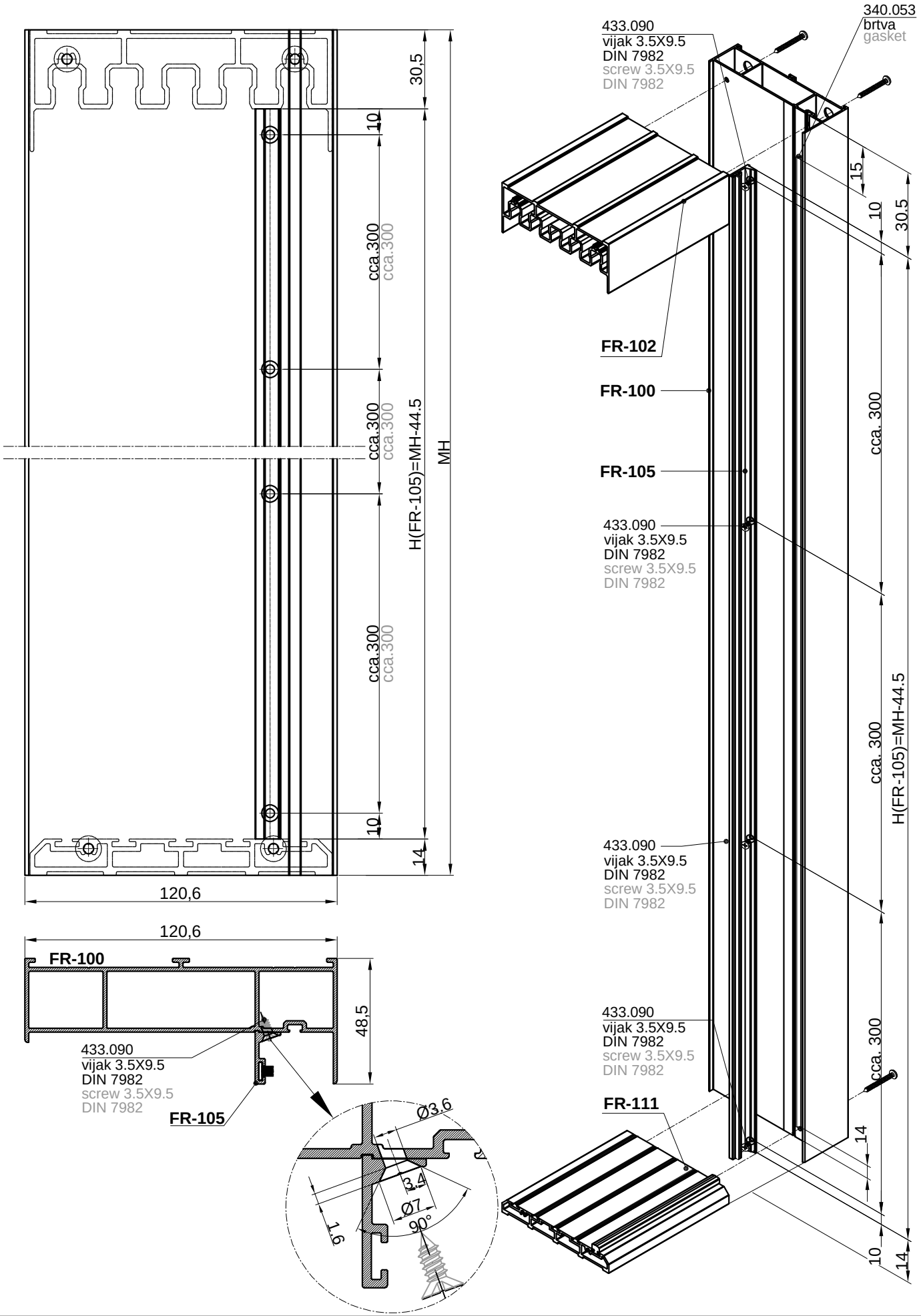
FR-106
11.5
24.6
24.6
L rama (FR-106)=ML-57
Lframe (FR-106)=ML-57
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
FR-100
FR-101
10.3
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
24.6
24.6
L rama (FR-101)=ML-57
Lframe (FR-101)=ML-57

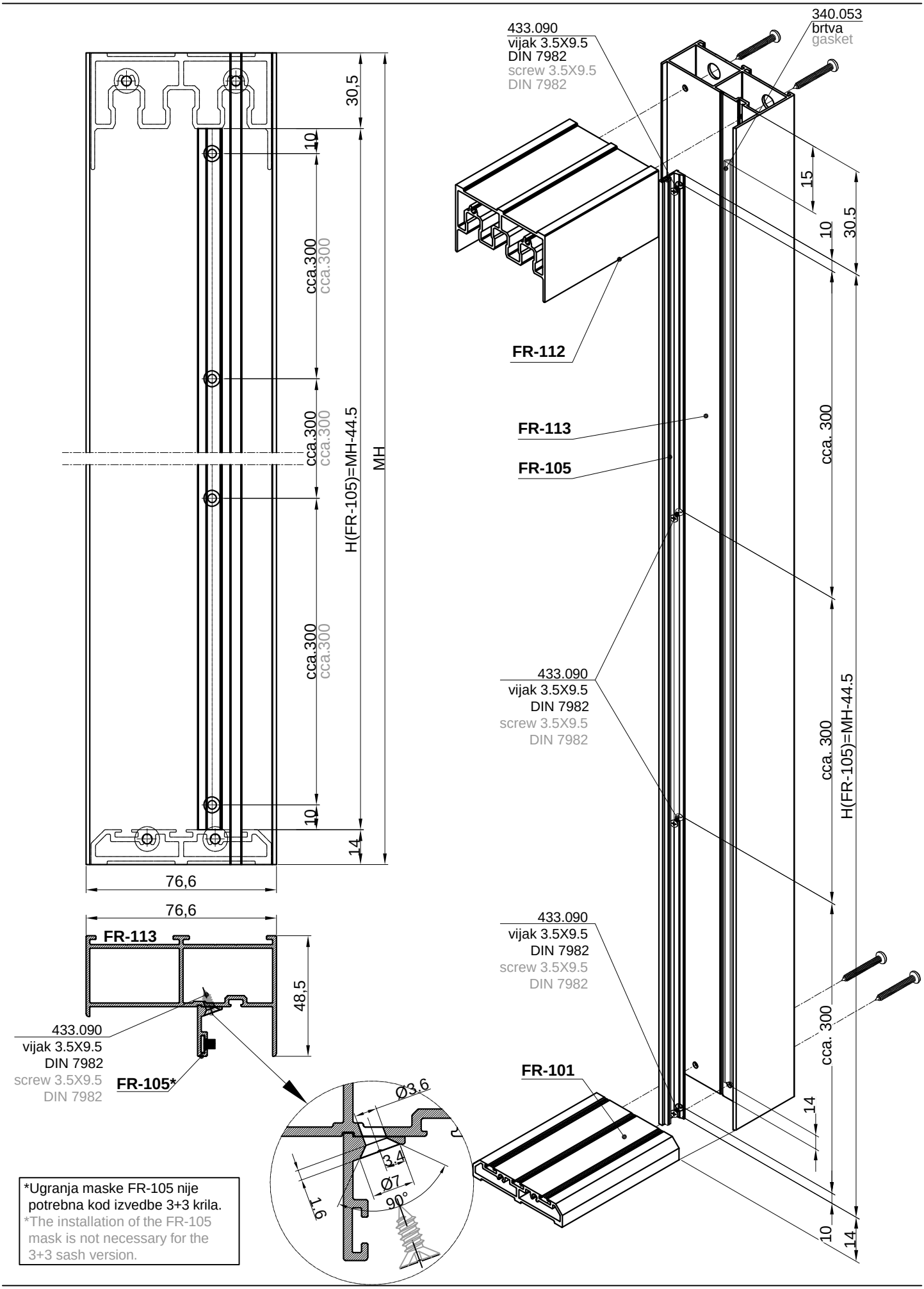



FR-112
11.3
16.3
16.3
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
L rama (FR-112)=ML-57
Lframe (FR-112)=ML-57
FR-113
FR-111
10.3
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
24.6
24.6
L rama (FR-111)=ML-57
Lframe (FR-111)=ML-57

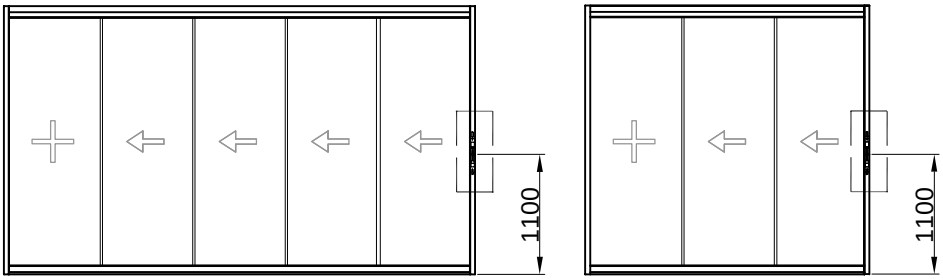


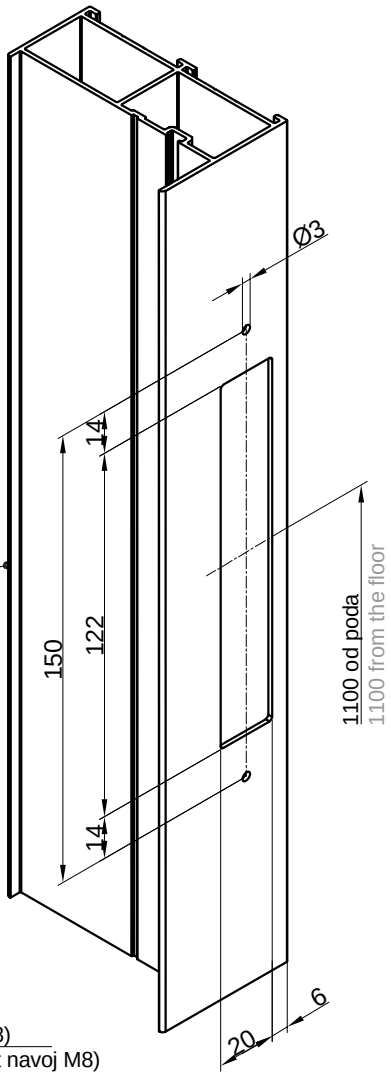

FR-114
24.6
11.5
24.6
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
L rama (FR-114)=ML-57
Lframe (FR-114)=ML-57
FR-113
FR-111
10.3
24.6
24.6
433.021
vijak 3.9X32 DIN 7981
screw 3.9X32 DIN 7981
L rama (FR-111)=ML-57
Lframe (FR-111)=ML-57

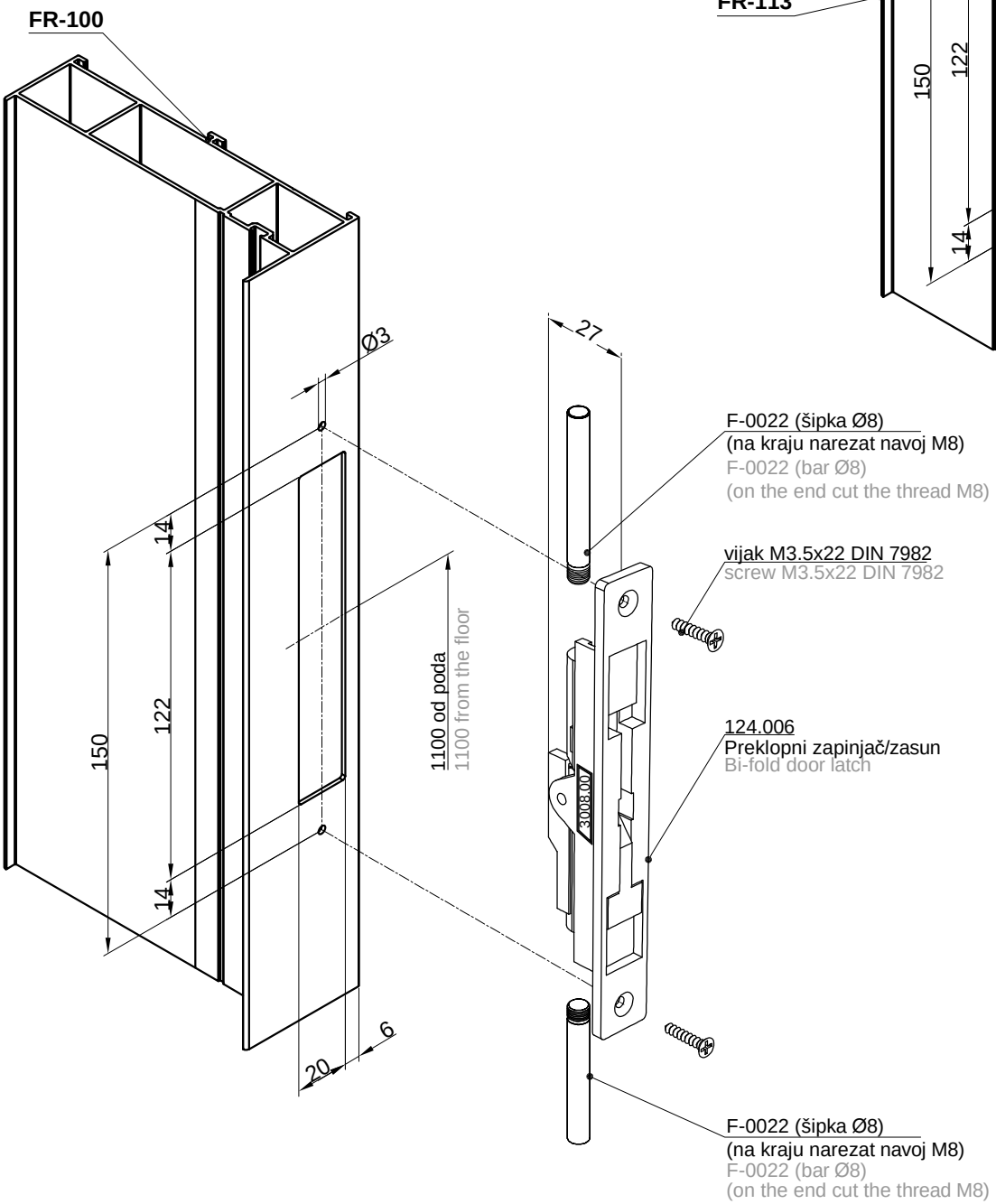

30,5
10
cca.300
cca.300
cca.300
cca.300
cca.300
cca.300
10
14
H(FR-105)=MH-44.5
MH
120,6
120,6
FR-100
48,5
433.090
vijak 3.5X9.5
DIN 7982
screw 3.5X9.5
DIN 7982
FR-105
Ø3,6
3,4
Ø7
90°
1,6
340.053
brtva
gasket
433.090
vijak 3.5X9.5
DIN 7982
screw 3.5X9.5
DIN 7982
15
10
30.5
FR-102
FR-100
FR-105
433.090
vijak 3.5X9.5
DIN 7982
screw 3.5X9.5
DIN 7982
cca. 300
433.090
vijak 3.5X9.5
DIN 7982
screw 3.5X9.5
DIN 7982
cca. 300
H(FR-105)=MH-44.5
433.090
vijak 3.5X9.5
DIN 7982
screw 3.5X9.5
DIN 7982
cca. 300
FR-111
14
10
14

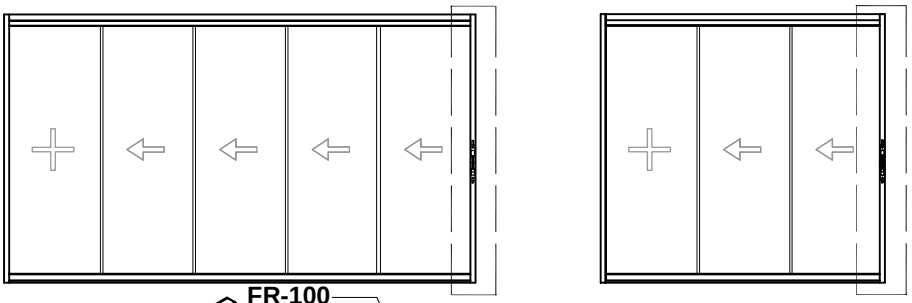


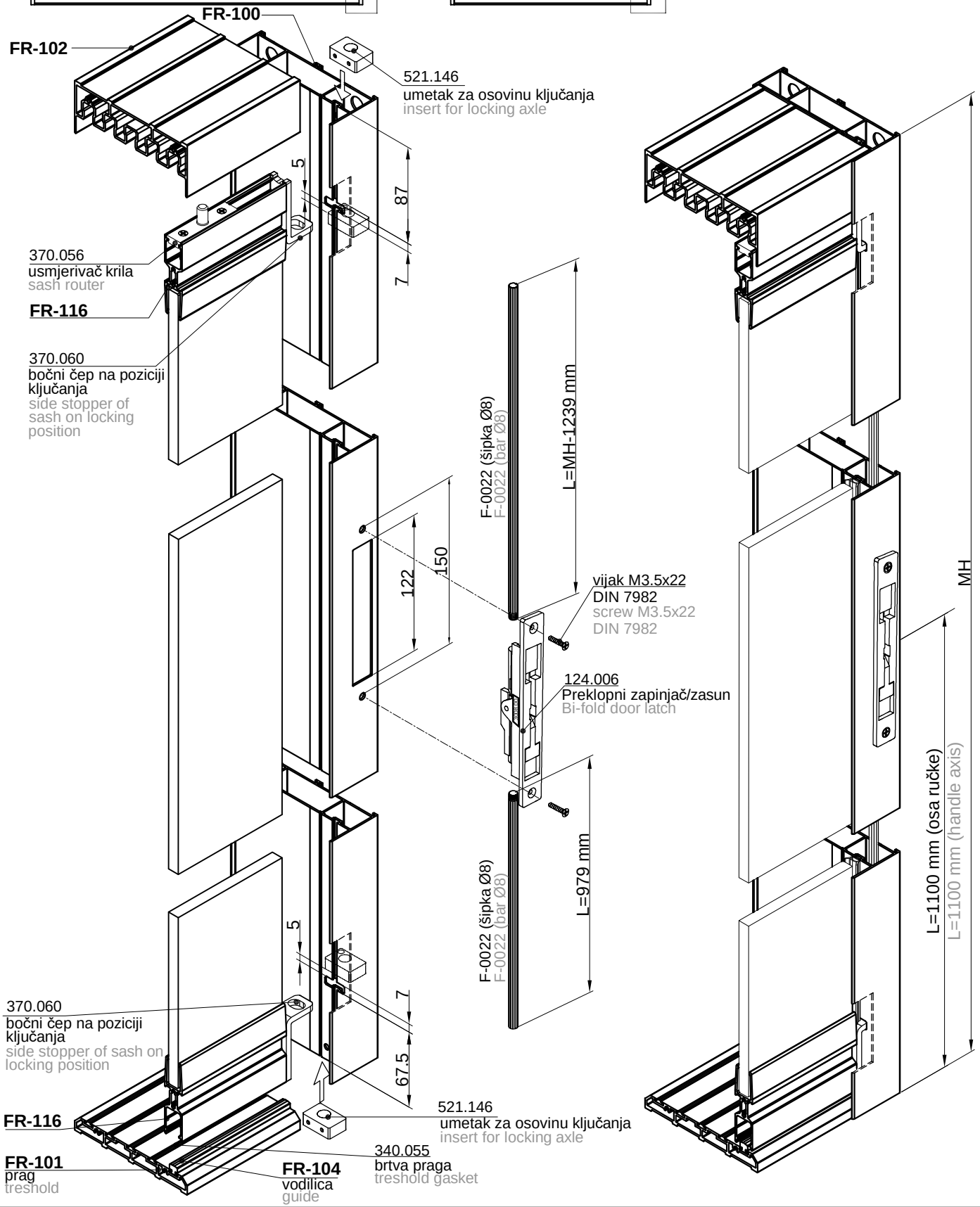
*Ugranja maske FR-105 nije potrebna kod izvedbe 3+3 krila.
*The installation of the FR-105 mask is not necessary for the 3+3 sash version.

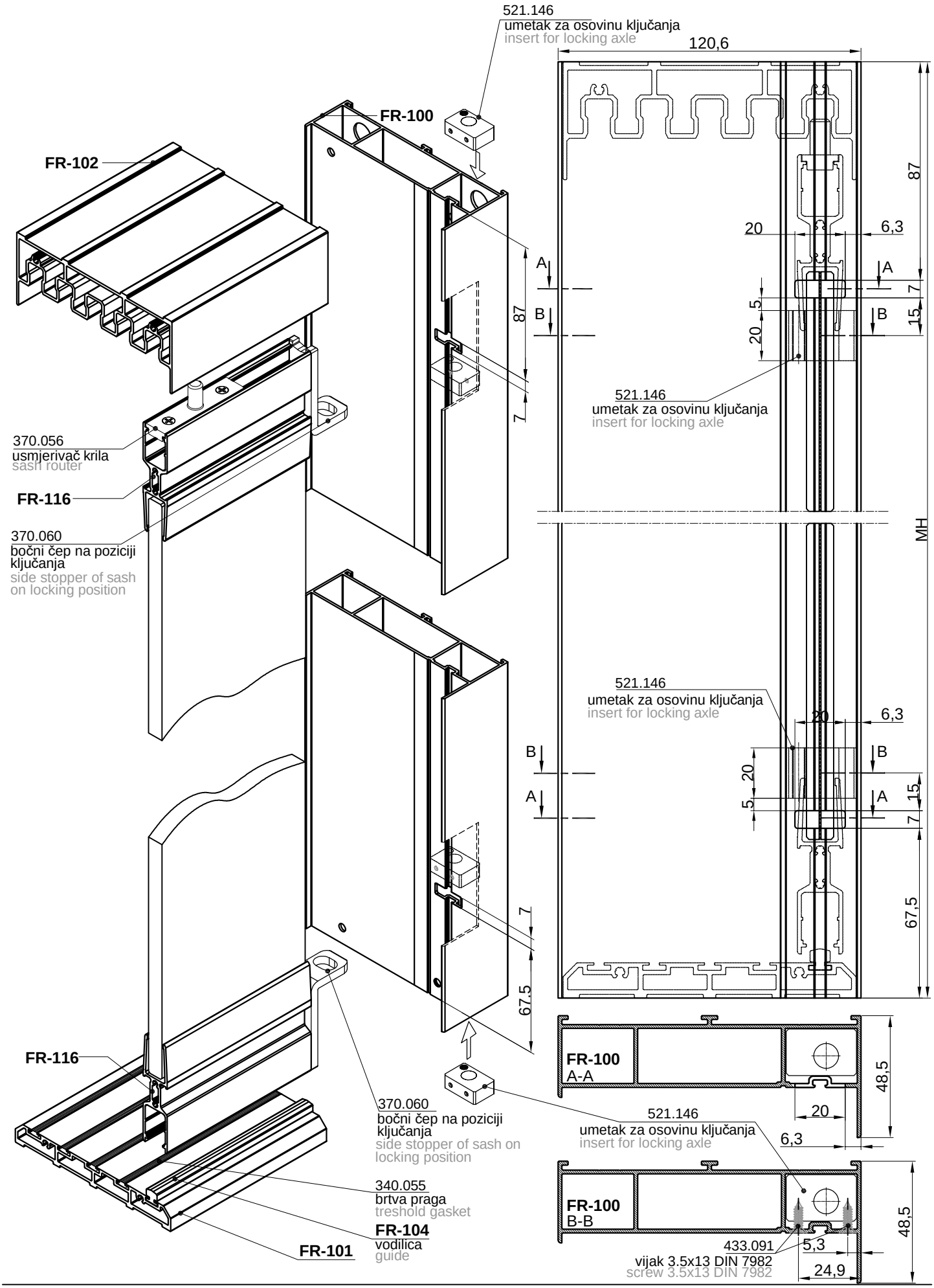

1100
1100

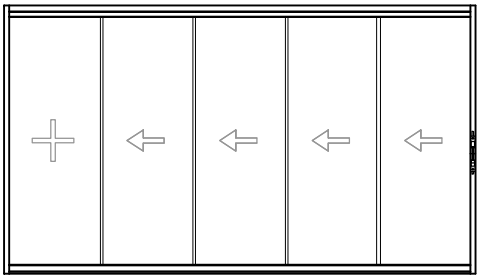

FR-113
Ø3
14
122
150
14
1100 od poda
1100 from the floor
6
20

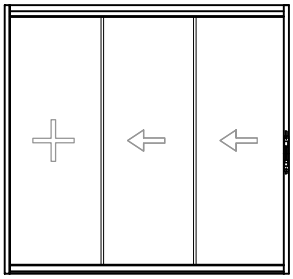

FR-100
Ø3
27
14
122
150
14
1100 od poda
1100 from the floor
3008.000
6
20
F-0022 (šipka Ø8)
(na kraju narezat navoj M8)
F-0022 (bar Ø8)
(on the end cut the thread M8)
vijak M3.5x22 DIN 7982
screw M3.5x22 DIN 7982
124.006
Preklopni zapinjač/zasun
Bi-fold door latch
F-0022 (šipka Ø8)
(na kraju narezat navoj M8)
F-0022 (bar Ø8)
(on the end cut the thread M8)



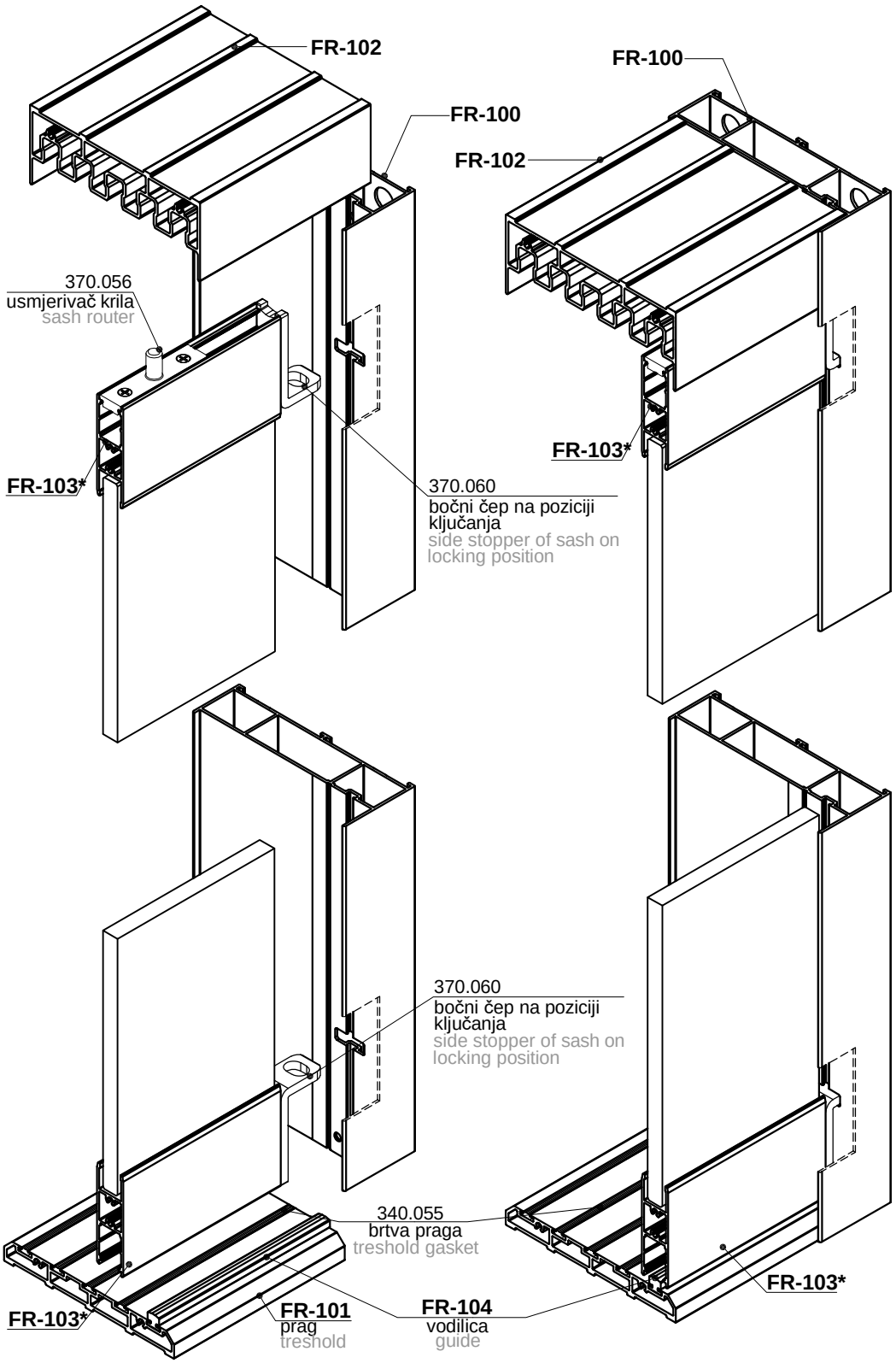

FR-100
FR-102
521.146
umetak za osovinu ključanja
insert for locking axle
5
87
7
370.056
usmjerivač krila
sash router
FR-116
370.060
bočni čep na poziciji ključanja
side stopper of sash on locking position
F-0022 (šipka Ø8)
F-0022 (bar Ø8)
L=MH-1239 mm
122
150
vijak M3.5x22
DIN 7982
screw M3.5x22
DIN 7982
124.006
Preklopni zapinjač/zasun
Bi-fold door latch
F-0022 (šipka Ø8)
F-0022 (bar Ø8)
L=979 mm
5
7
67.5
370.060
bočni čep na poziciji ključanja
side stopper of sash on locking position
FR-116
521.146
umetak za osovinu ključanja
insert for locking axle
FR-101
prag
treshold
340.055
brtva praga
treshold gasket
FR-104
vodilica
guide
MH
L=1100 mm (osa ručke)
L=1100 mm (handle axis)

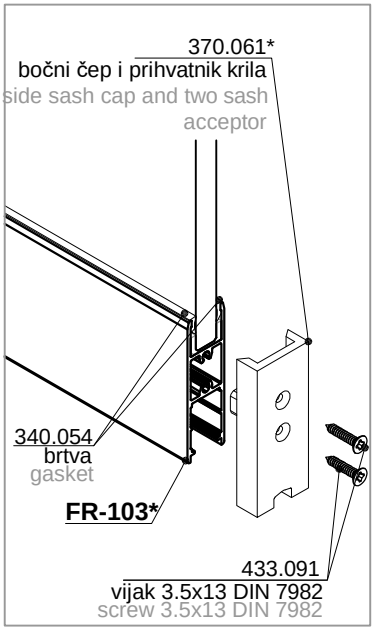

521.146
umetak za osovinu ključanja
insert for locking axle
120,6
FR-100
FR-102
87
20
6,3
A
B
7
5
15
370.056
usmjerivač krila
sash router
FR-116
370.060
bočni čep na poziciji ključanja
side stopper of sash on locking position
MH
67,5
FR-100
A-A
48,5
FR-100
B-B
433.091
vijak 3.5x13 DIN 7982
screw 3.5x13 DIN 7982
5,3
24,9
340.055
brtva praga
treshold gasket
FR-104
vodilica
guide
FR-101

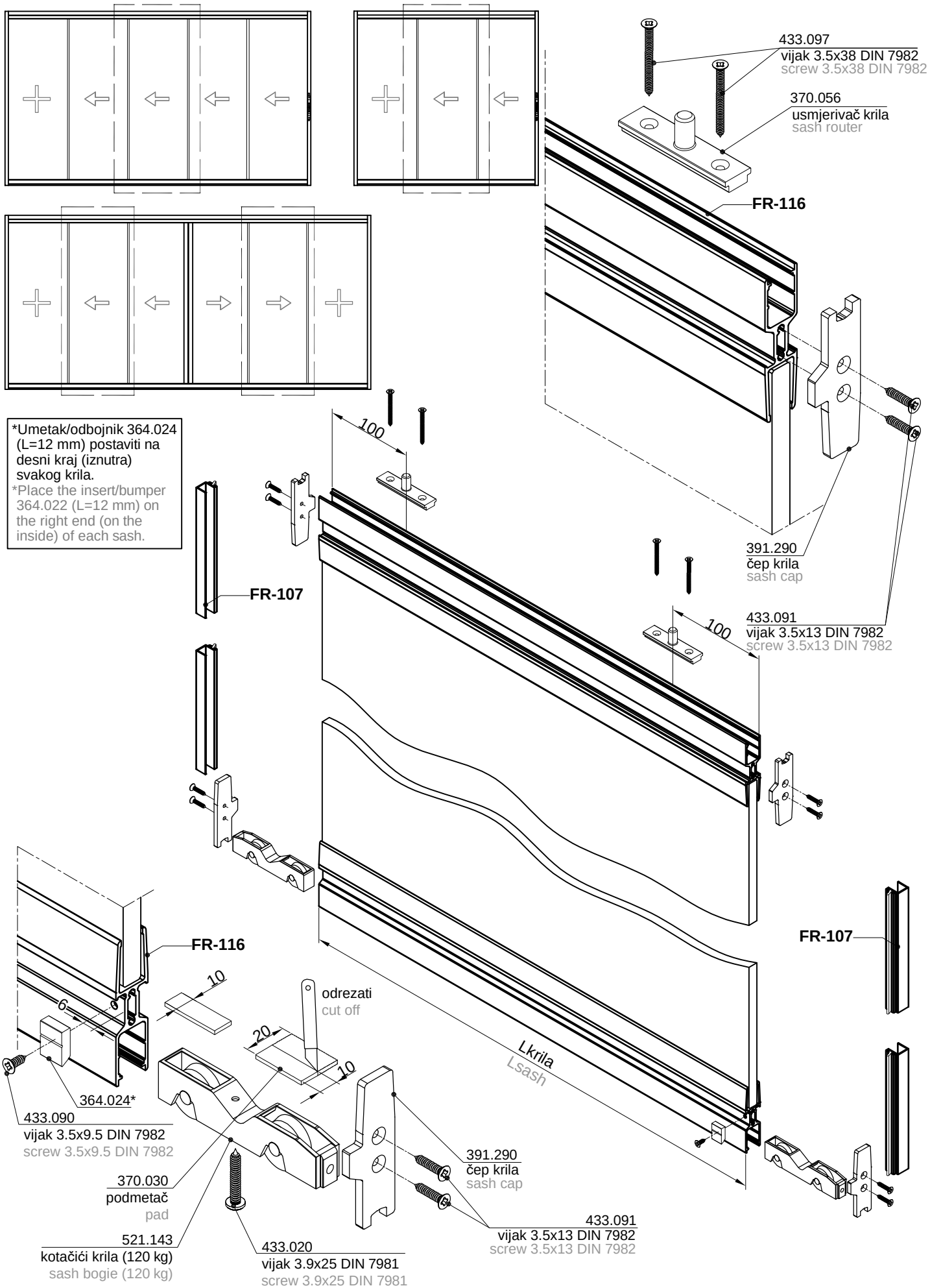


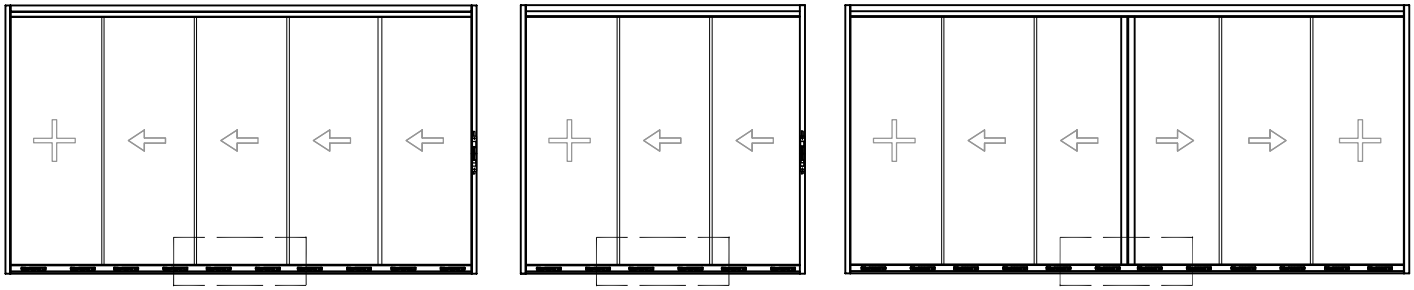


*Moguće koristiti krilo FR-103 i bočni čep 370.061(ključanje i obrada rama je ista kao i kod korištenja krila FR-116).
*Posible to use FR-103 sash and side cap 370.061 (locking and frame processing is the same as when using FR-116 sash).

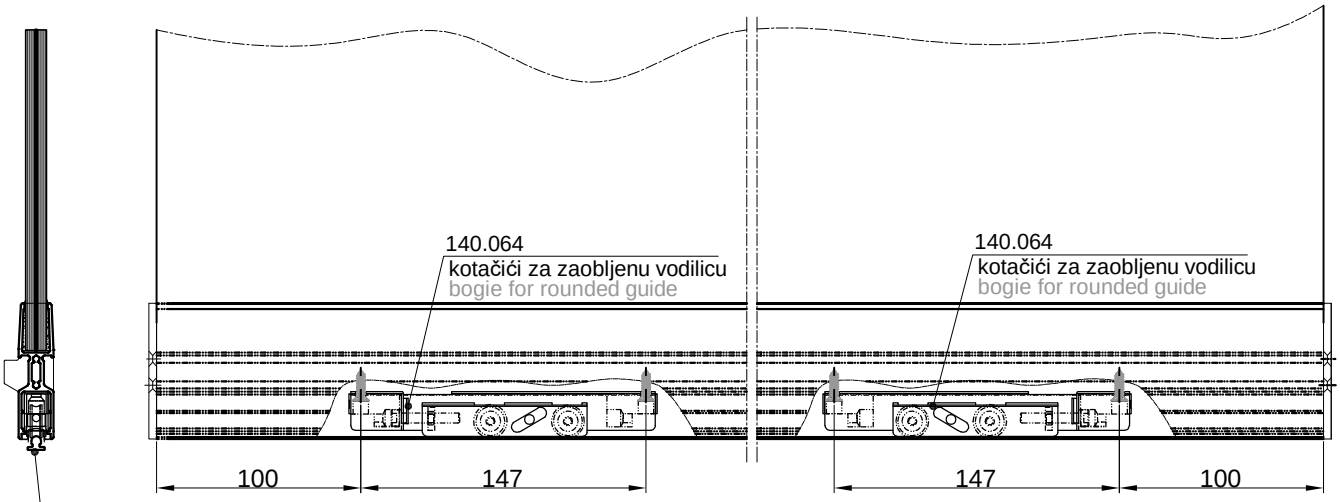


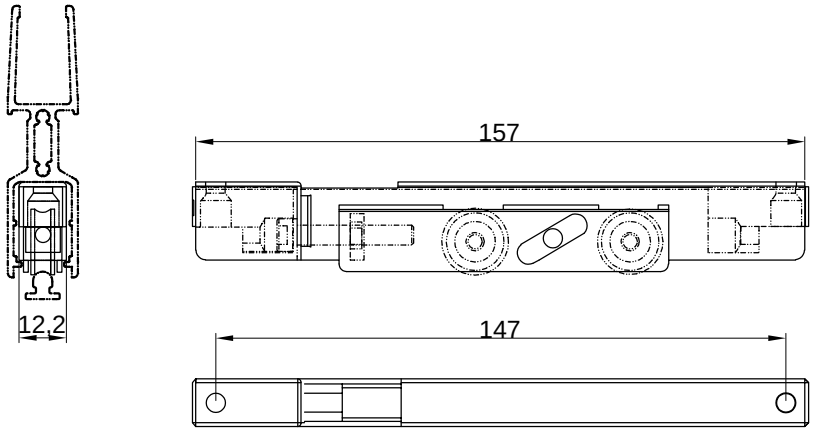



433.097
vijak 3.5x38 DIN 7982
screw 3.5x38 DIN 7982
370.056
usmjerivač krila
sash router
FR-116
*Umetak/odbojnik 364.024 (L=12 mm) postaviti na desni kraj (iznutra) svakog krila.
*Place the insert/bumper 364.022 (L=12 mm) on the right end (on the inside) of each sash.
100
391.290
čep krila
sash cap
FR-107
433.091
vijak 3.5x13 DIN 7982
screw 3.5x13 DIN 7982
FR-116
10
6
odrezati
cut off
20
10
Lkrila
Lsash
FR-107
364.024*
433.090
vijak 3.5x9.5 DIN 7982
screw 3.5x9.5 DIN 7982
370.030
podmetač
pad
521.143
kotačići krila (120 kg)
sash bogie (120 kg)
433.020
vijak 3.9x25 DIN 7981
screw 3.9x25 DIN 7981
391.290
čep krila
sash cap
433.091
vijak 3.5x13 DIN 7982
screw 3.5x13 DIN 7982



* Ukoliko se koristi vodilica FR-108, koristiti kotačiće 140.064
* If guide FR-108 is used, use wheels 140.064



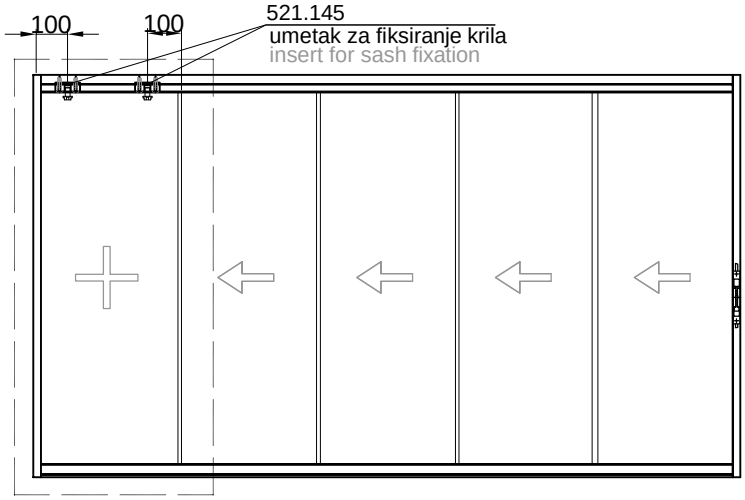


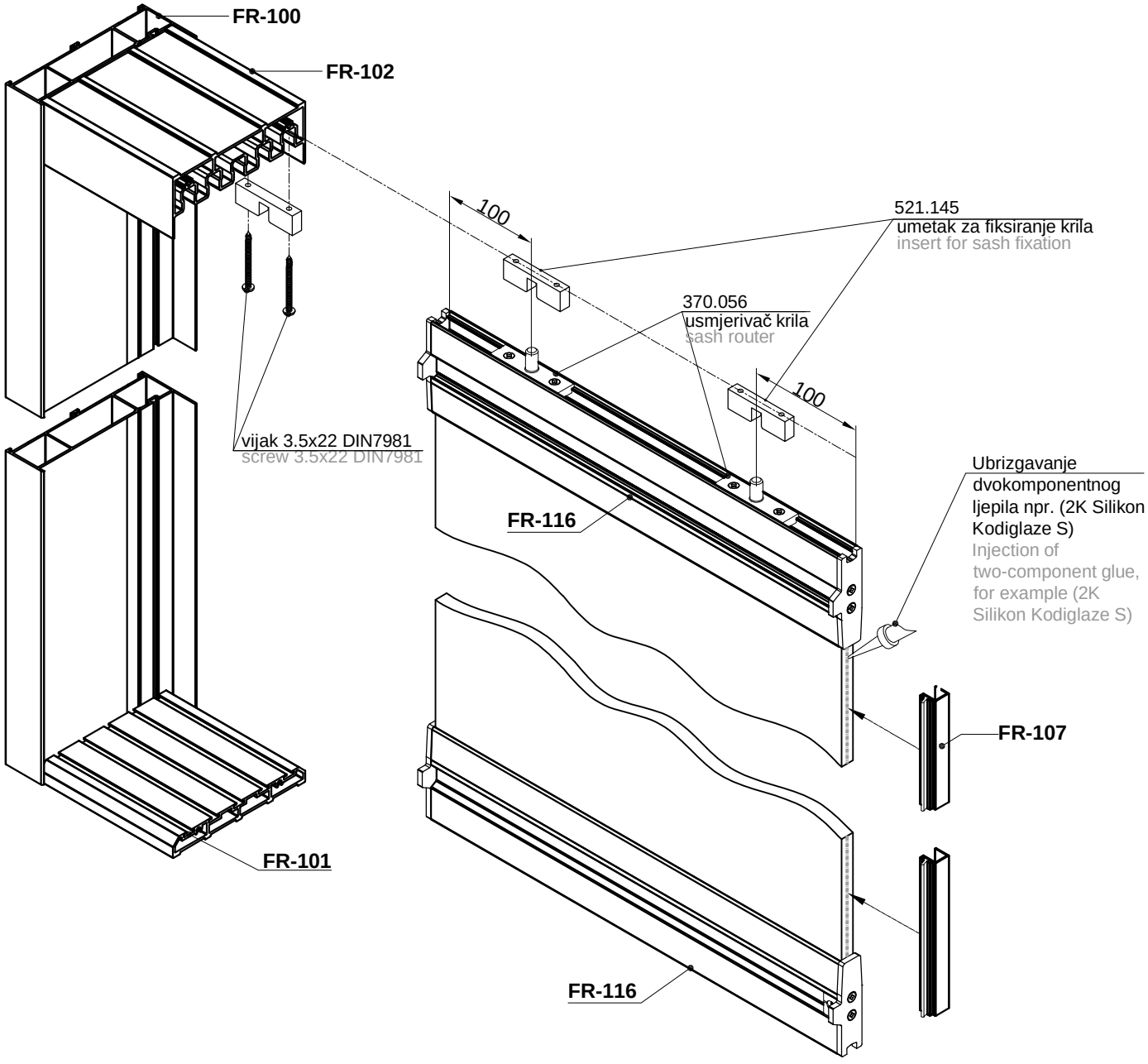
140.064* kotačići za zaobljenu vodilicu FR-108

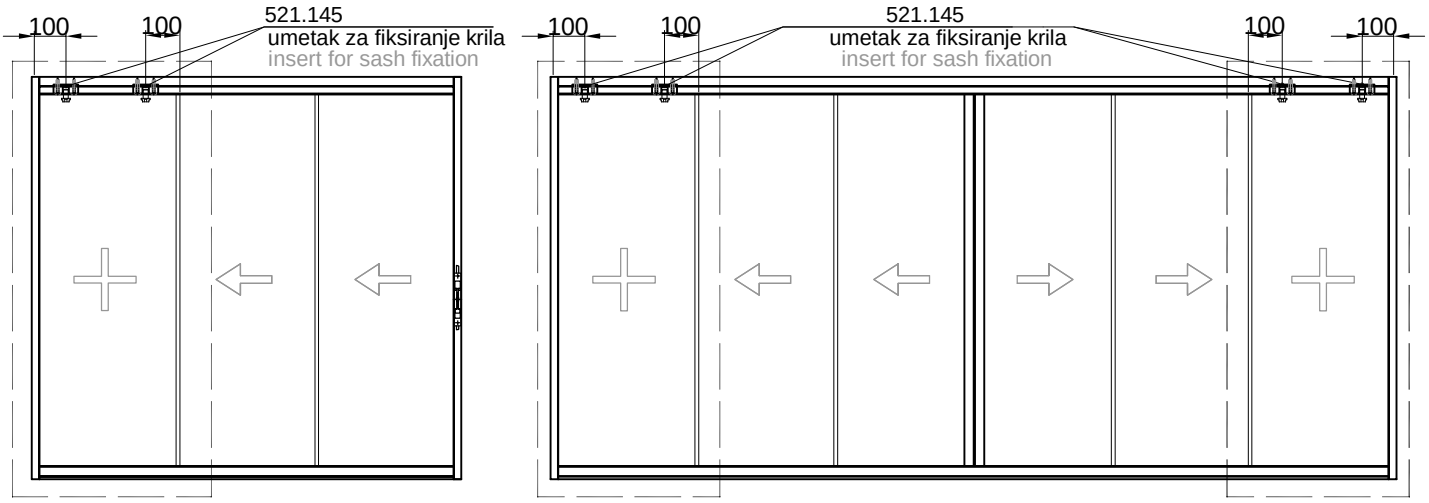
- max. težina krila 120 kg
- sa kugličnim ležajevima
- visina podešavanja od 19-26 mm
- srebrena boja, pocinčana površina sa dodatnom zaštitom od korozije
- DIN EN 13126/15, Klasa 5

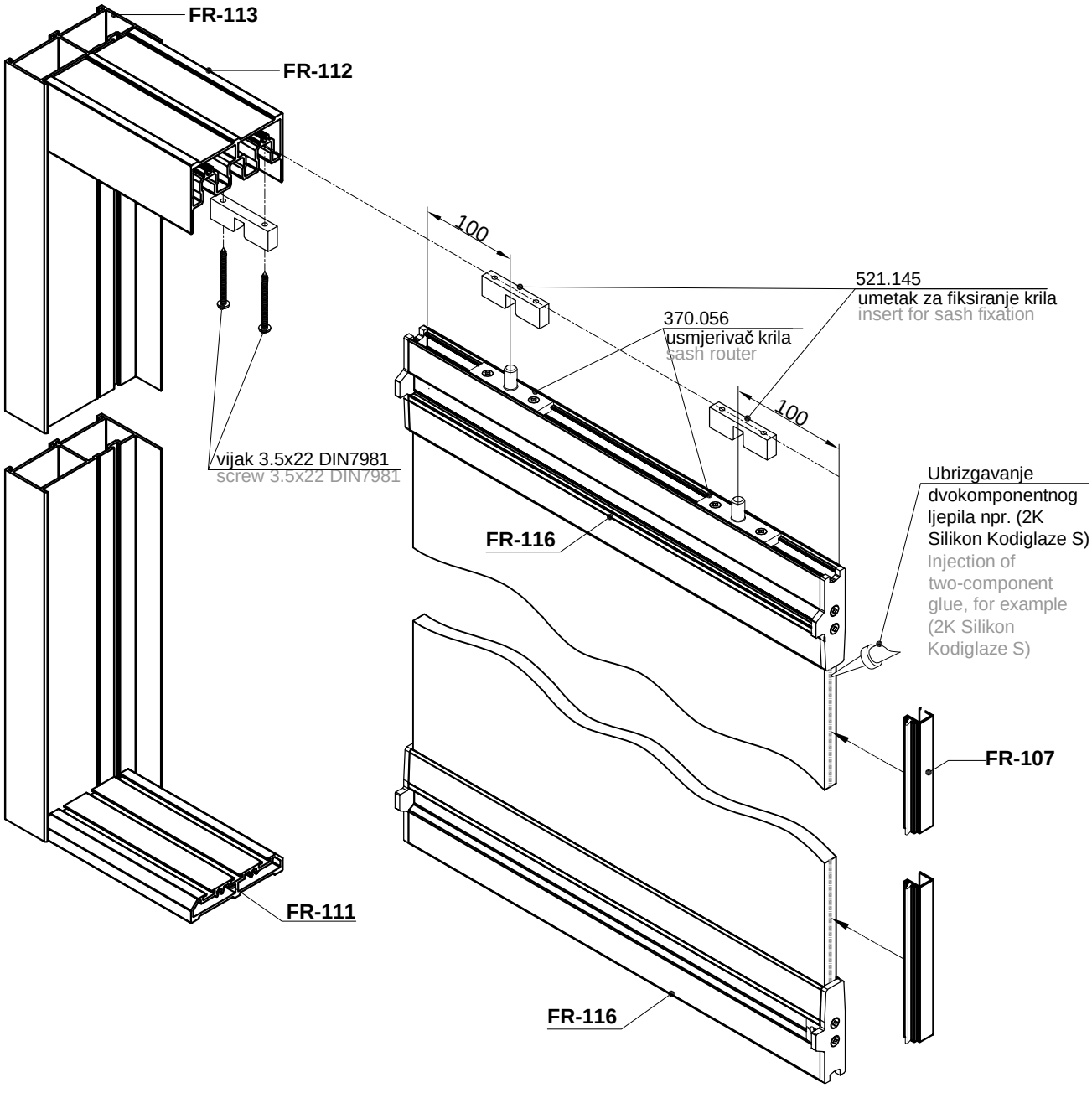
140.064* bogie for rounded guide FR-108

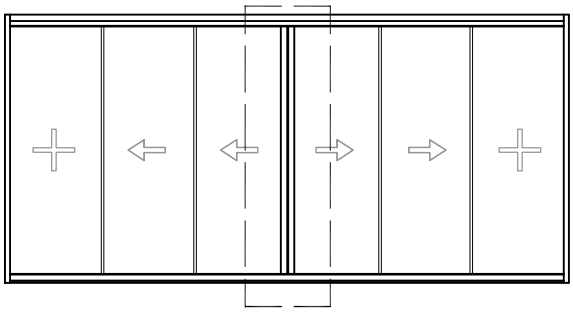
- max. sash weight 120 kg
- with ball bearing
- adjusment height of 19-26 mm
- silver color, galvanized surface with additional corrosion protection
- DIN EN 13126/15, Class 5


100
100
521.145
umetak za fiksiranje krila
insert for sash fixation


FR-100
FR-102
100
521.145
umetak za fiksiranje krila
insert for sash fixation
370.056
usmjerivač krila
sash router
100
vijak 3.5x22 DIN7981
screw 3.5x22 DIN7981
FR-116
Ubrizgavanje dvokomponentnog ljepila npr. (2K Silikon Kodiglaze S)
Injection of two-component glue, for example (2K Silikon Kodiglaze S)
FR-107
FR-101
FR-116


100
100
521.145
umetak za fiksiranje krila
insert for sash fixation
100
100
521.145
umetak za fiksiranje krila
insert for sash fixation
100
100


FR-113
FR-112
100
521.145
umetak za fiksiranje krila
insert for sash fixation
370.056
usmjerivač krila
sash router
100
vijak 3.5x22 DIN7981
screw 3.5x22 DIN7981
FR-116
Ubrizgavanje dvokomponentnog ljepila npr. (2K Silikon Kodiglaze S)
Injection of two-component glue, for example (2K Silikon Kodiglaze S)
FR-107
FR-111
FR-116



- Ugradnja 3+3 krila sa mogućnošću vanjskog ili unutarnjeg otvaranja.
- Instal of 3+3 sashes with optional opening on the outside or inside.

370.056
usmjerivač krila
sash router

370.056
usmjerivač krila
sash router

391.290
bočni čep i prihvatnik krila
side sash cap and two sash acceptor

FR-115

391.290
bočni čep i prihvatnik krila
side sash cap and two sash acceptor

Osa ručke
Axis of the handle

L= cca 1000 mm (osa rucke)
L=cca 1000 mm (handle axis)

FR-116
krilo
sash

2

FR-111
ram
sash

Dno krila
Bottom of the sash

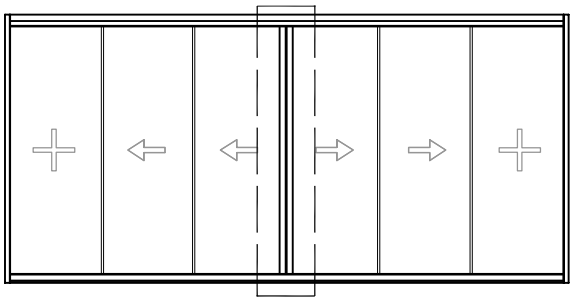
340.055
brtva praga
treshold gasket

FR-104
vodilica
guide

340.055
brtva praga
treshold gasket

- Otvaranje iznutra
- Opening on the inside

- Otvaranje izvana
- Opening on the outside

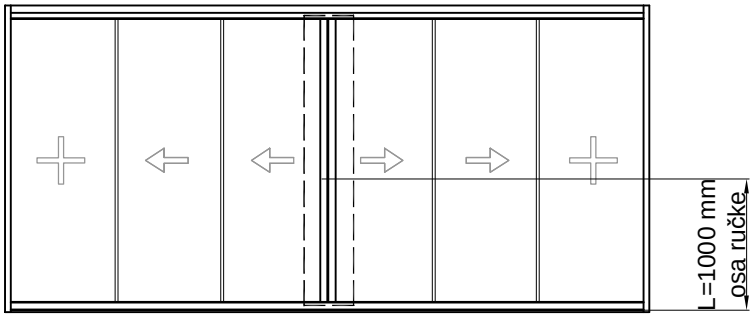


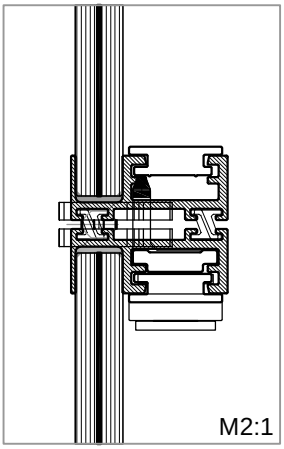
- Obrada profila FR-115 za prihvat ručice za ključanje 101.017 i klizača 390.038
- Processing of the FR-115 profile to insert the locking handle 101.017 and the slides 390.038

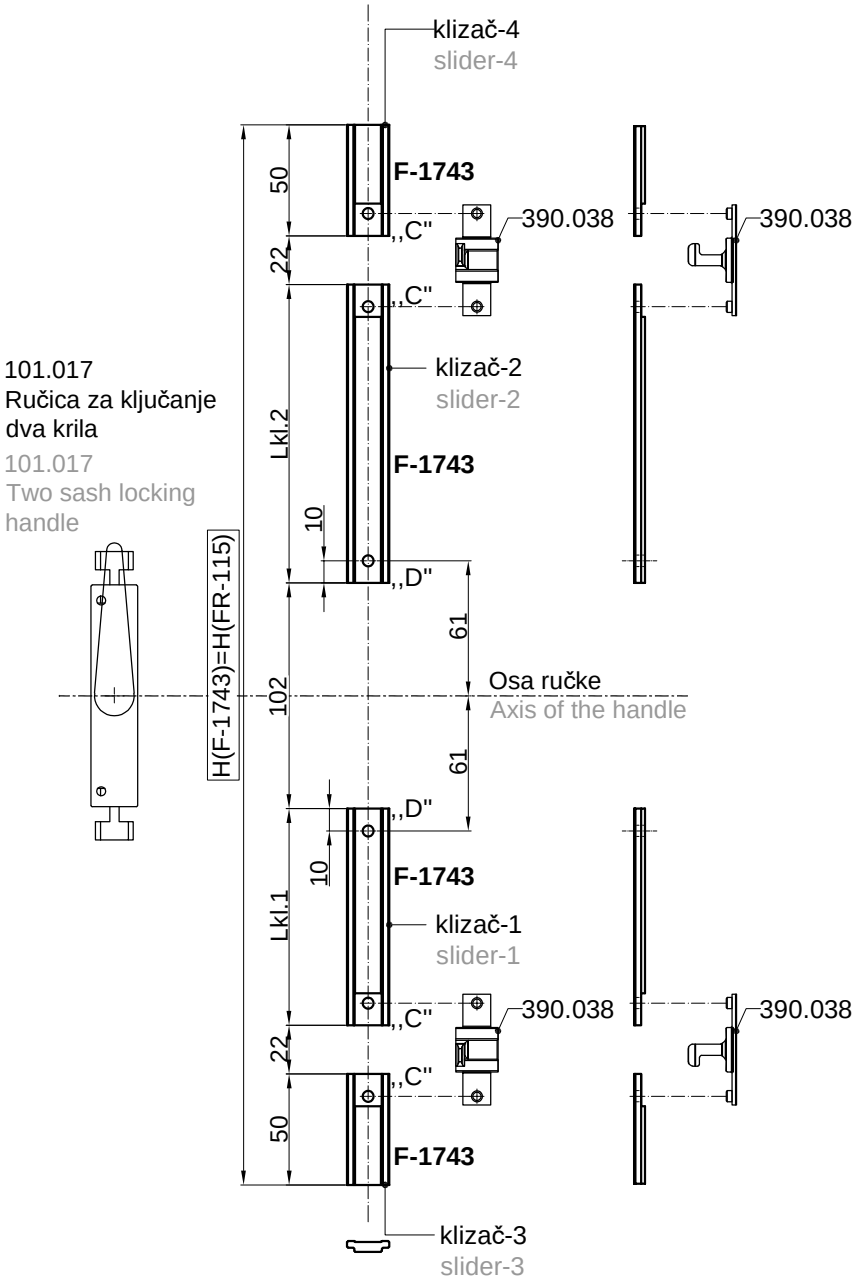
FR-115
M2:1

*U slučaju korištenja vodilice FR-108, H(FR-115)=MH-194
*In the case of using guide FR-108, H(FR-115)=MH-194

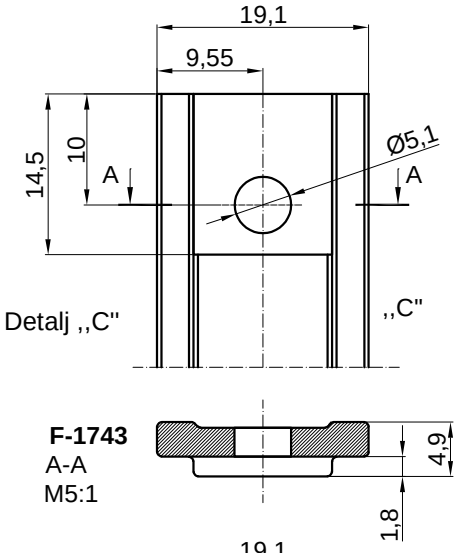
- Obrada klizača F-1743
- Slider processing F-1743

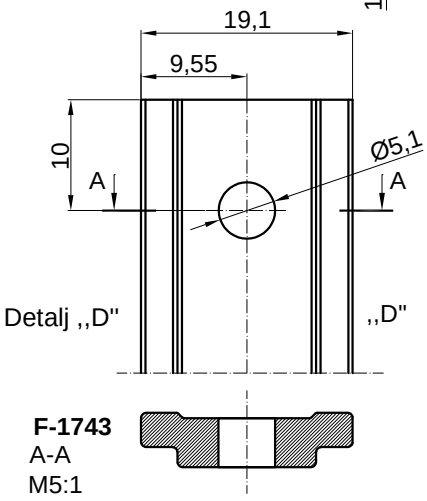


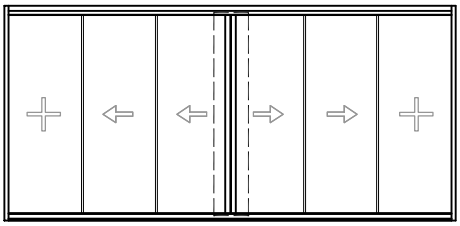


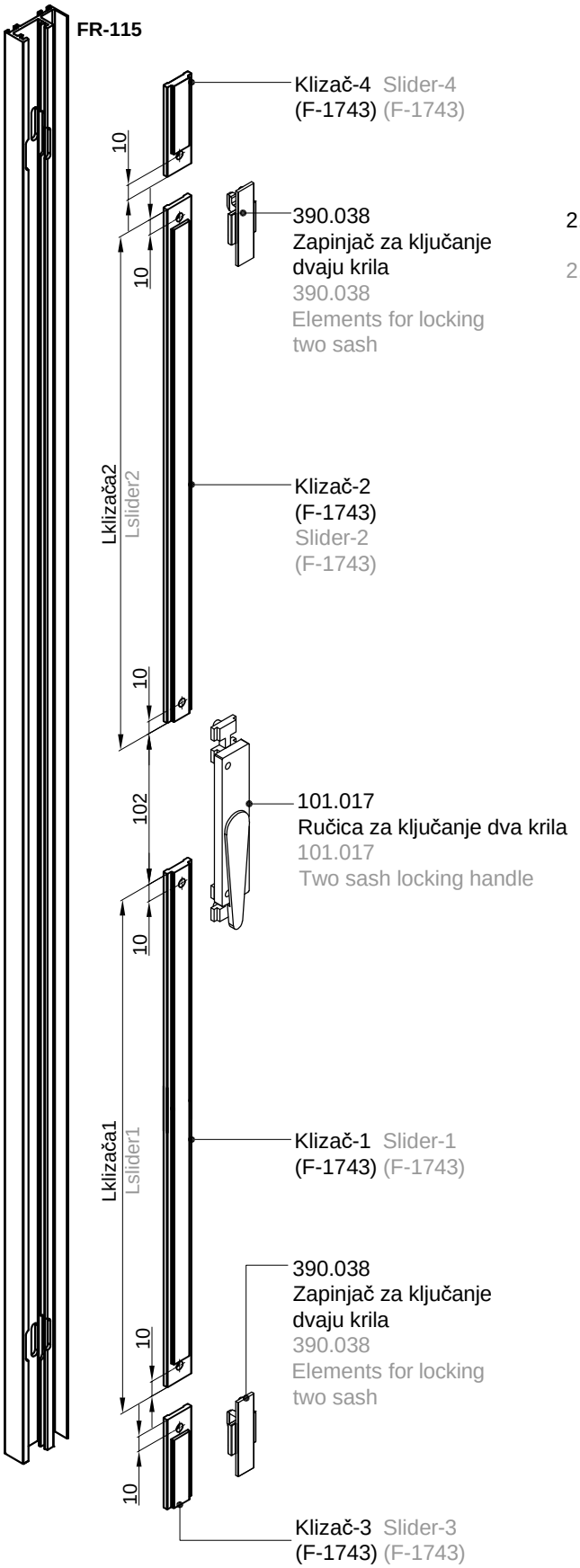


101.017
Ručica za ključanje dva krila
101.017
Two sash locking handle

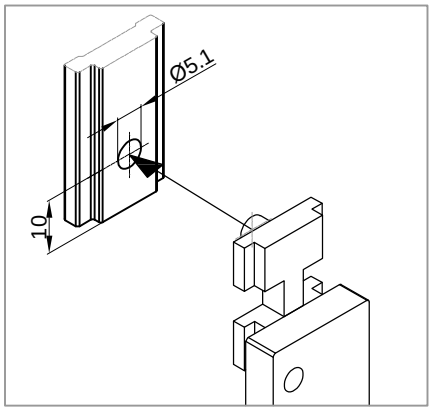




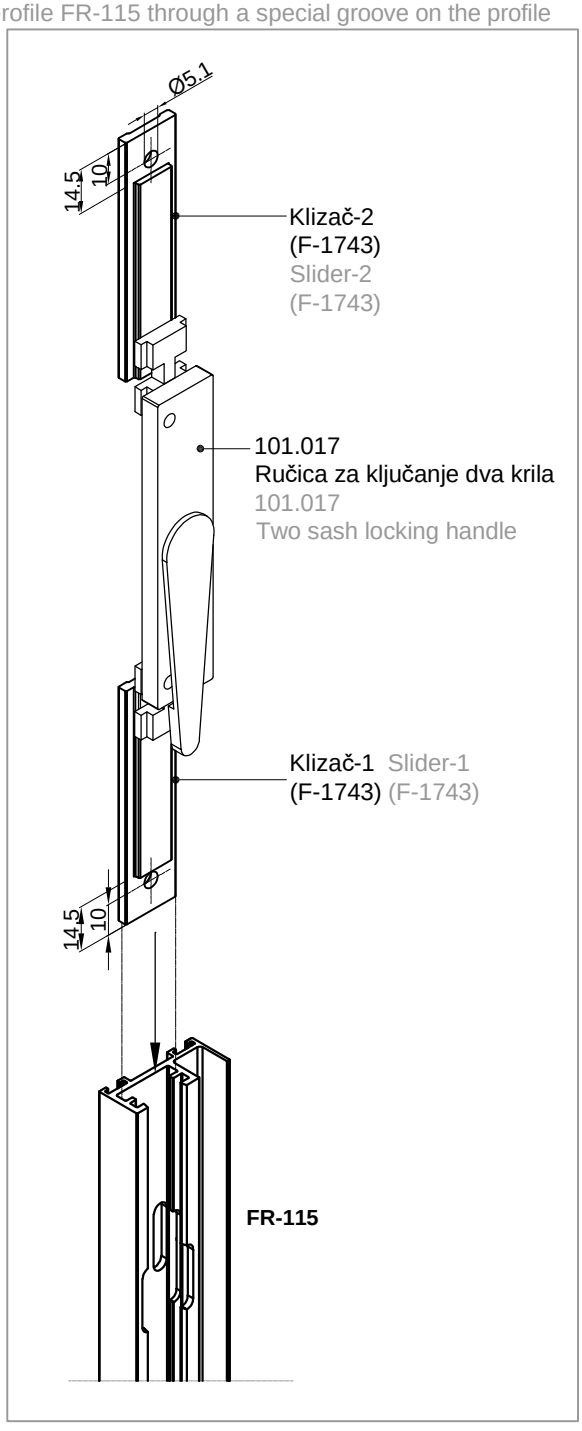




1. Bravicu za ključanje spojiti sa klizačima 1 i 2
1. Two sash locking handle connect with slider 1 i 2

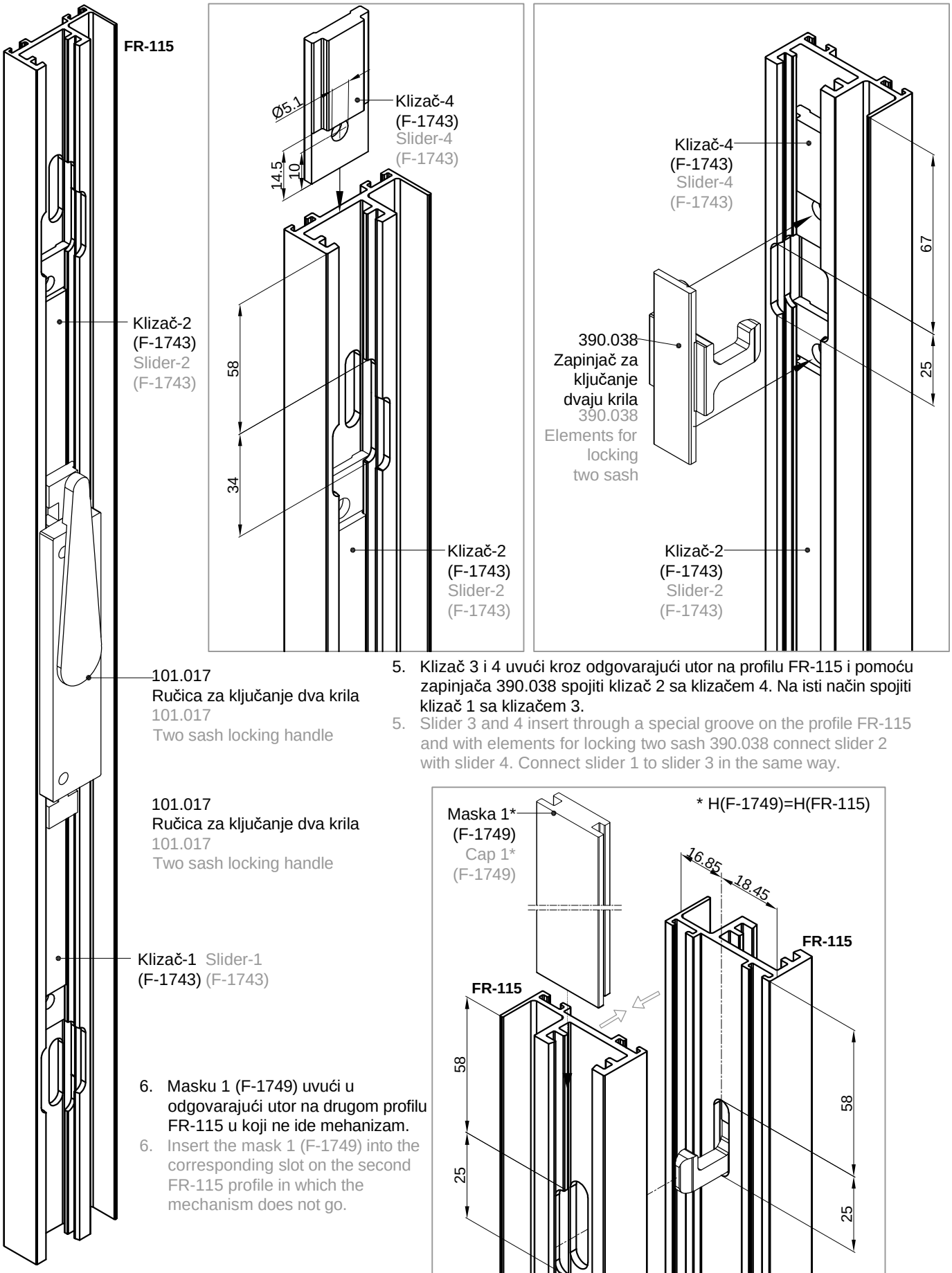


2. Klizač 2, bravicu i klizač 1 uvući u profil FR-115 kroz poseban utor na profilu
2. Slider 2, two sash locking handle and slider 1 insert in profile FR-115 through a special groove on the profile



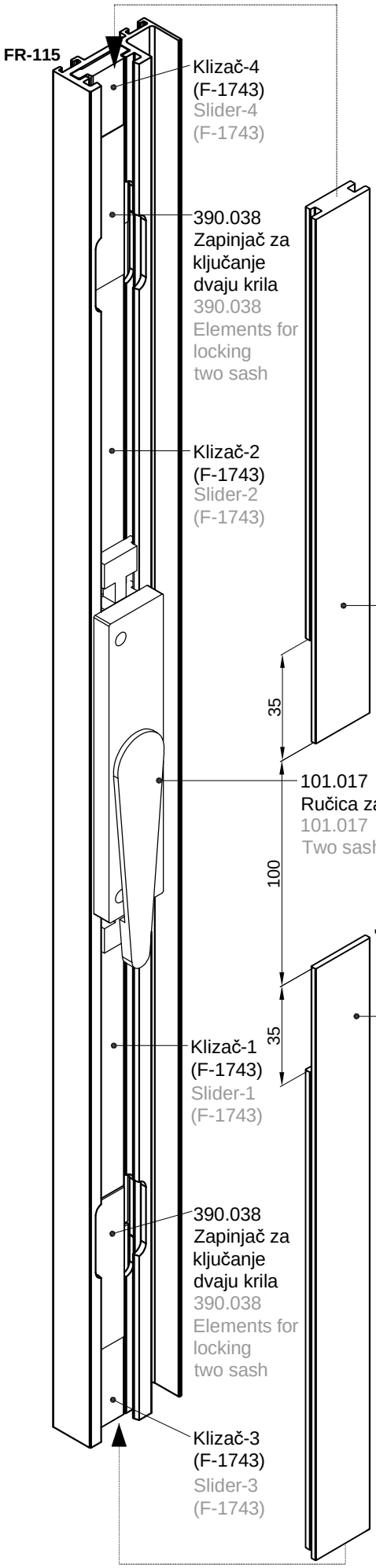
3. Pozicionirati ručicu na osu na profilu FR-115 (npr.cca 1000 mm od dna krila)
3. Position the handle on the axis on the profile FR-115 (eg.cca 1000 mm from the bottom of the sash)

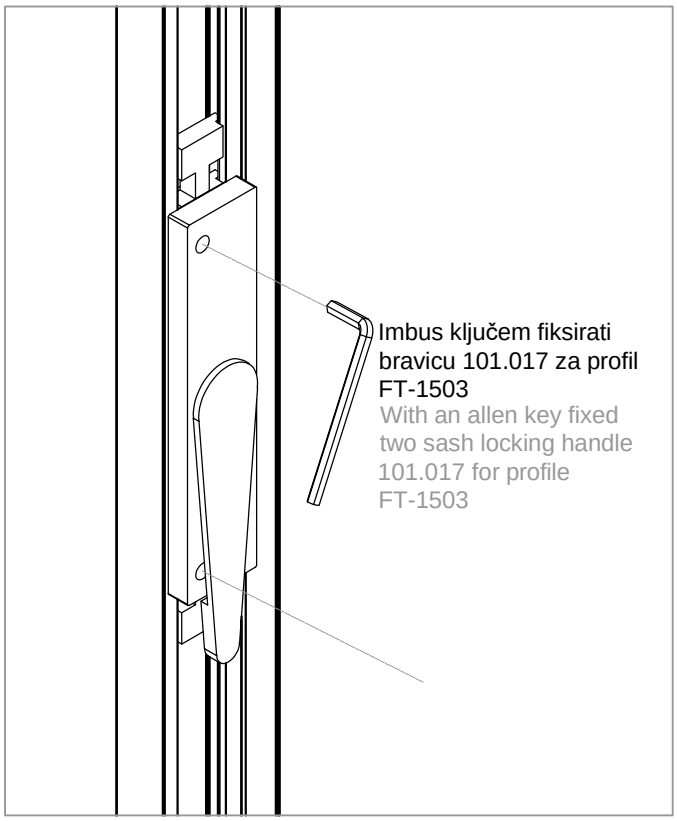
4. Obrada profila FR-115 za prihvat zapinjača 390.038
4. Processing profile FR-115 for elements for locking two sash 390.038



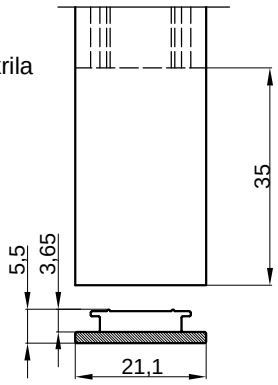
5. Klizač 3 i 4 uvući kroz odgovarajući utor na profilu FR-115 i pomoću zapinjača 390.038 spojiti klizač 2 sa klizačem 4. Na isti način spojiti klizač 1 sa klizačem 3.
5. Slider 3 and 4 insert through a special groove on the profile FR-115 and with elements for locking two sash 390.038 connect slider 2 with slider 4. Connect slider 1 to slider 3 in the same way.

6. Masku 1 (F-1749) uvući u odgovarajući utor na drugom profilu FR-115 u koji ne ide mehanizam.
6. Insert the mask 1 (F-1749) into the corresponding slot on the second FR-115 profile in which the mechanism does not go.

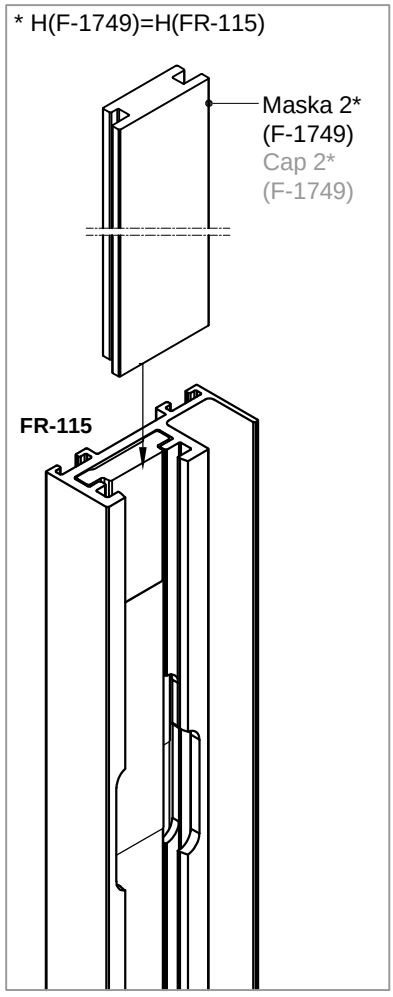




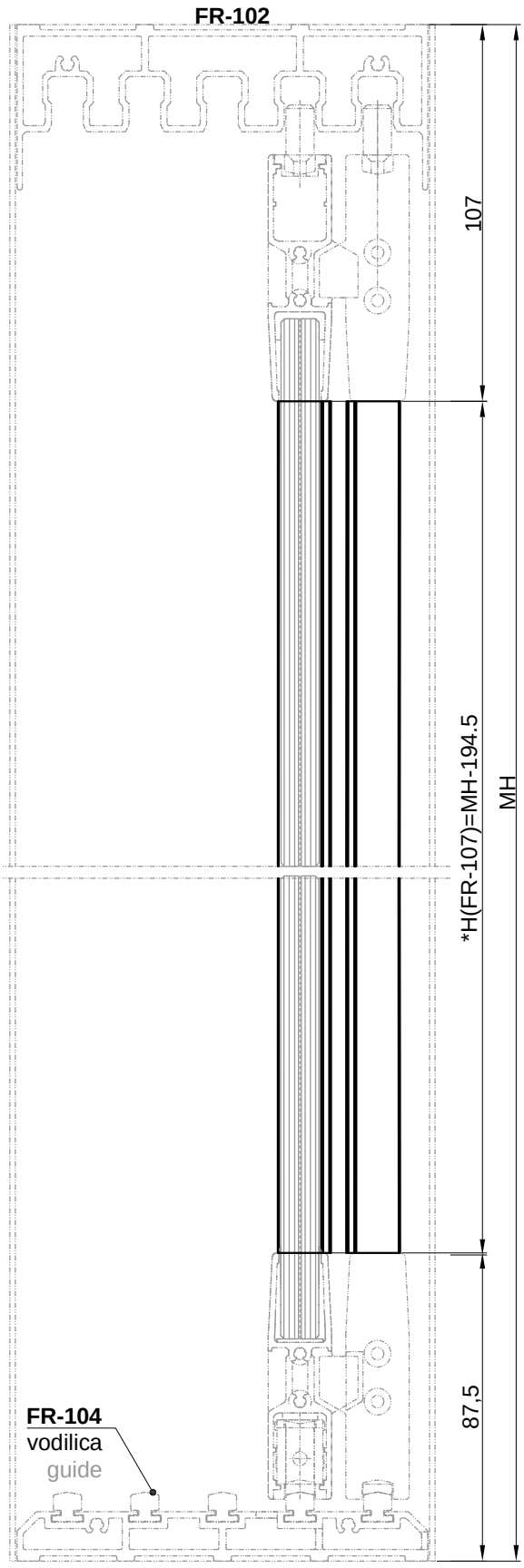
7. Profil maske F-1749 obraditi (detalj "A") kod ručice 101.017
7. Processing mask profile F-1749 (detail "A") at handle position 101.017

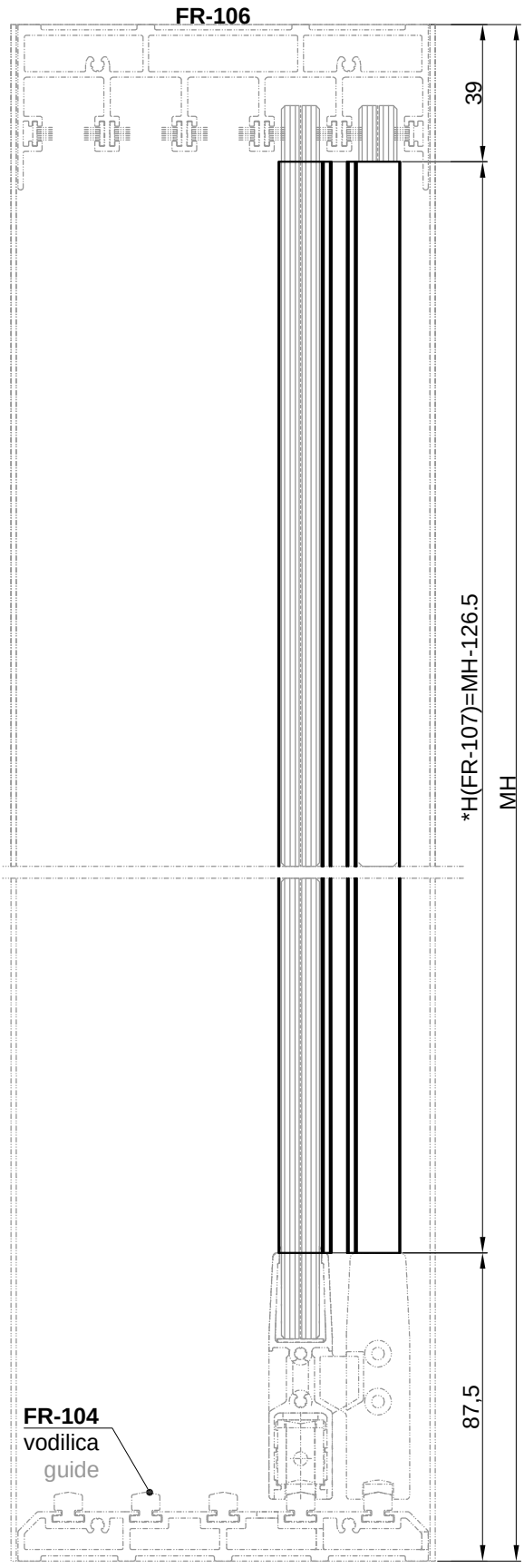


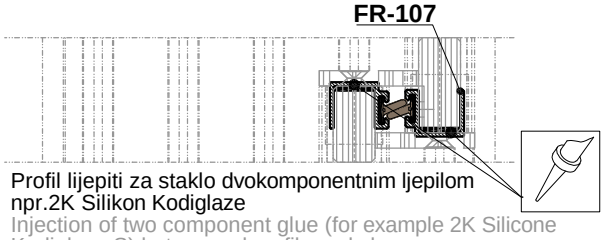
detalj "A" F-1749 M4:1
detail "A" F-1749 M4:1



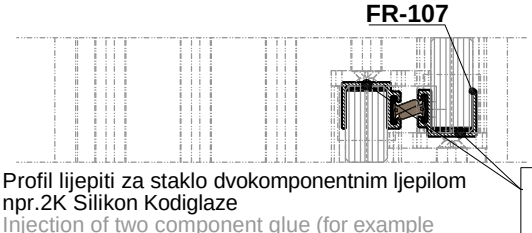
8. Profil maske 2 F-1749 uvući u profil FR-115 da prekrije klizače i zapinjače
8. Insert the mask 2 profile F-1749 into the profile FR-115 to cover sliders and elements for locking two sash



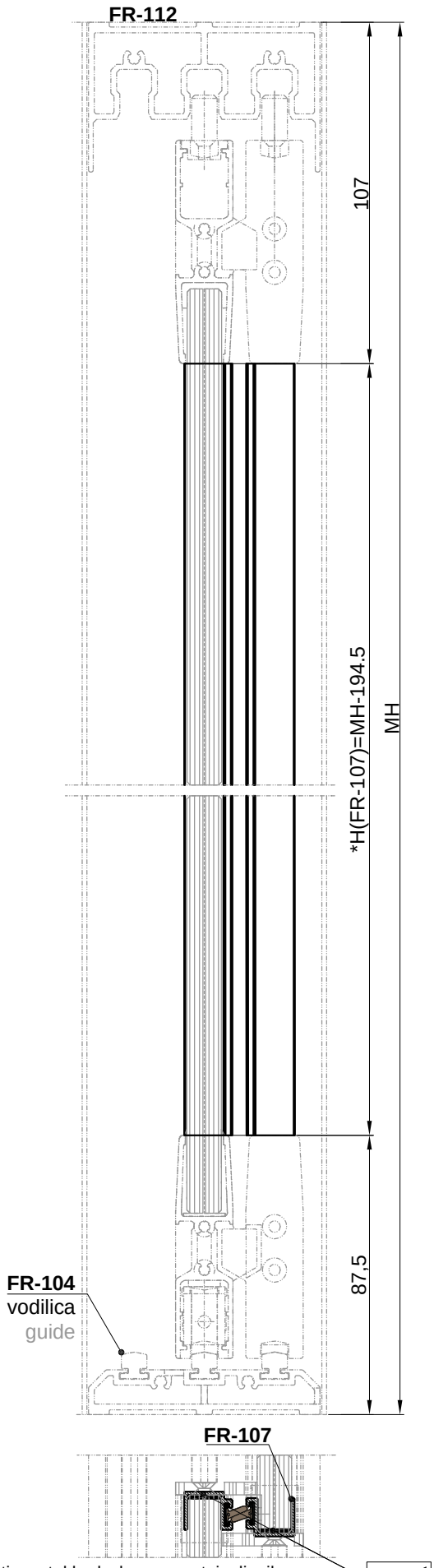




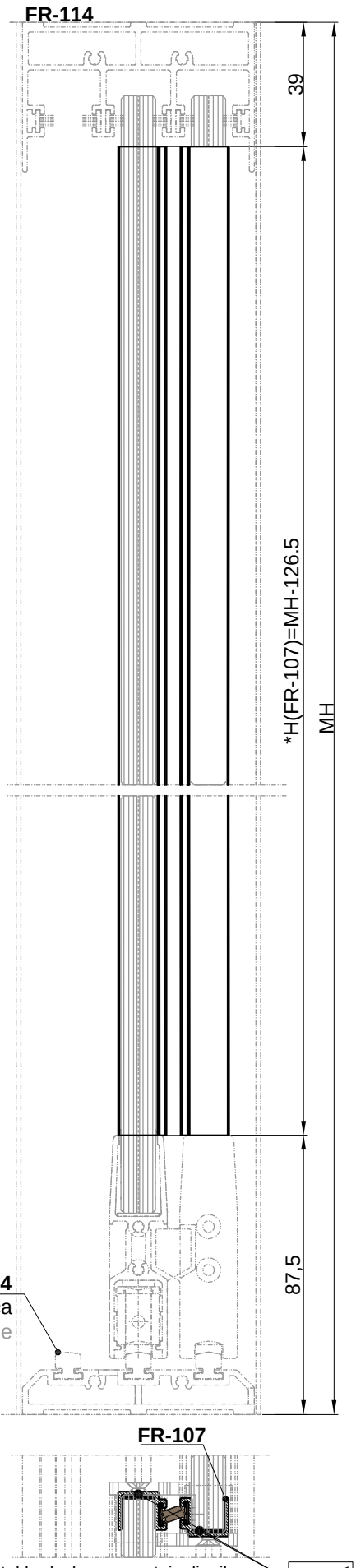
Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass



Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass

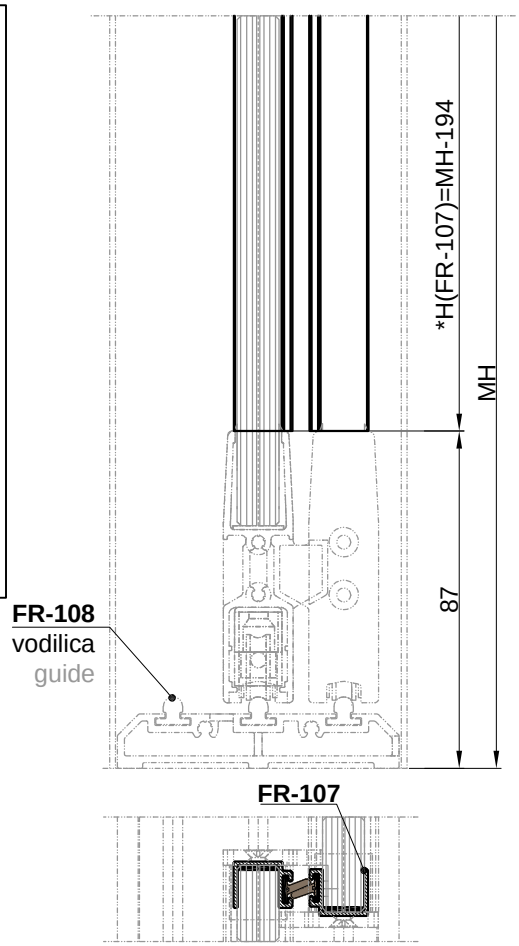


Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass

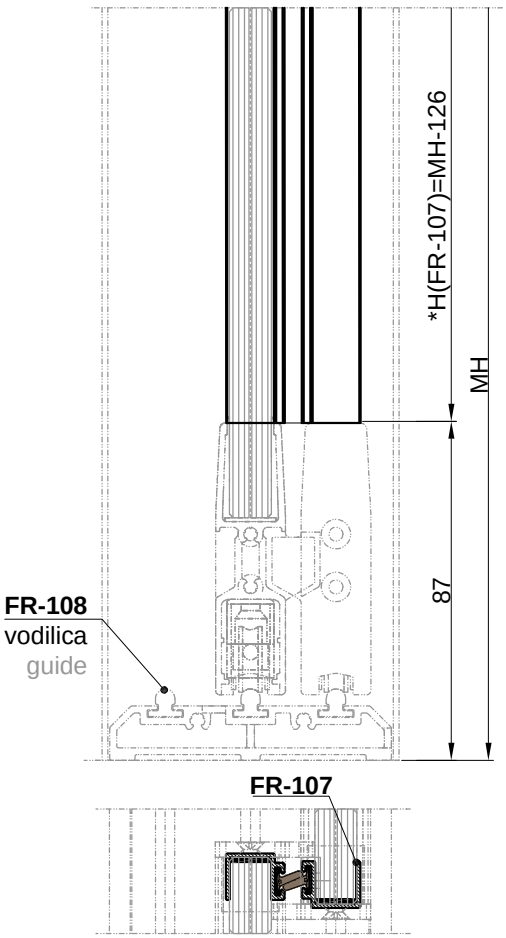


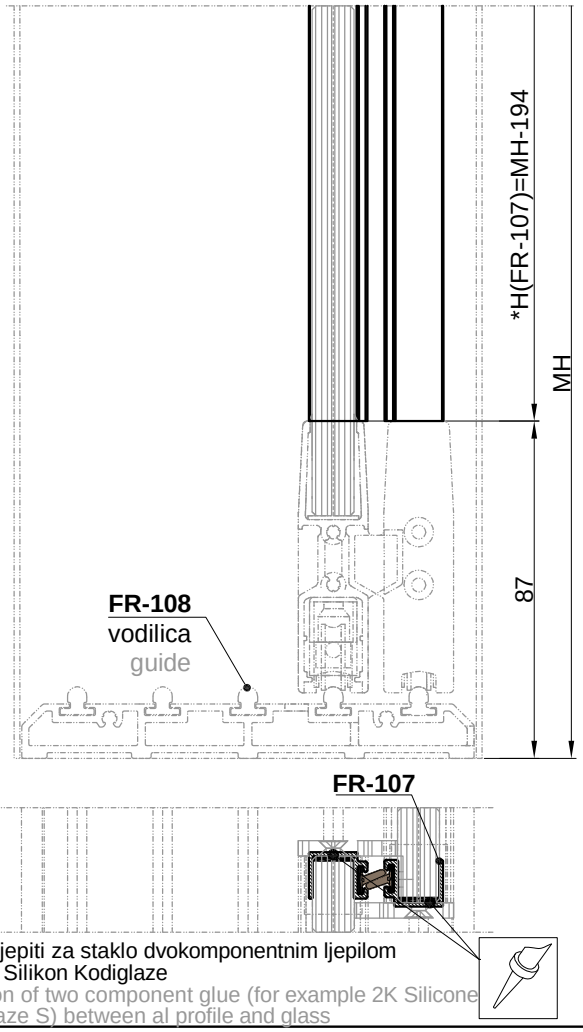
Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass

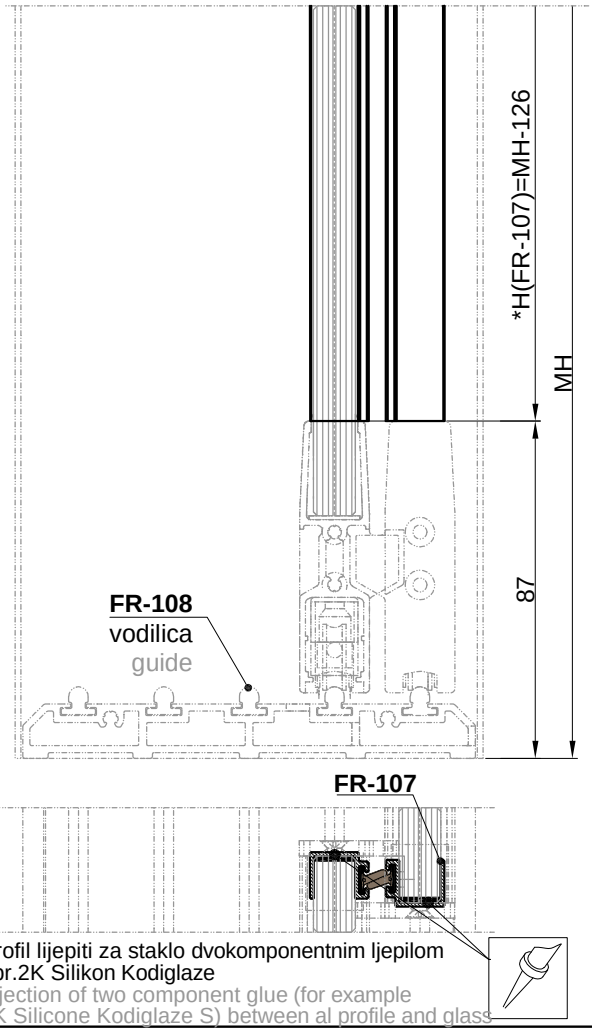
*MH-194 (dužina profila FR-107 kada se koristi gornji profil rama FR-112 i FR-102)
*MH-194 (length of profile FR-107 when using upper frame profile FR-112 and FR-102)



*MH-126 (dužina profila FR-107 kada se koristi gornji profil rama FR-114 i FR-106)
*MH-126 (length of profile FR-107 when using upper frame profile FR-114 and FR-106)





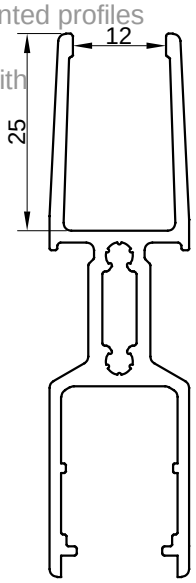


Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass

Profil lijepiti za staklo dvokomponentnim ljepilom npr.2K Silikon Kodiglaze
Injection of two component glue (for example 2K Silicone Kodiglaze S) between al profile and glass

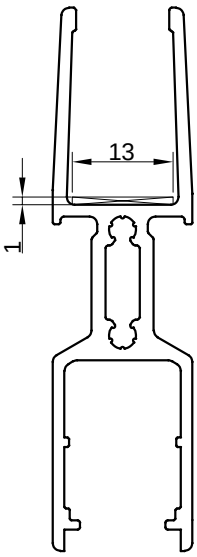
1) aluminijski profil krila
- priprema površine za eloxirane profile npr.Kodiglaze WashCleaner-om
- priprema površine za bojene profile prvo čišćenje sa čistačem npr. Korasolv WL i obrada Kodiglaze WashCleaner-om

1) aluminium sash profile
- surface preparation for anodized profiles e.g.Kodiglaze WashCleaner-om
- surface preparation for painted profiles with cleaner e.g. Korasolv WL and then processing with Kodiglaze WashCleaner



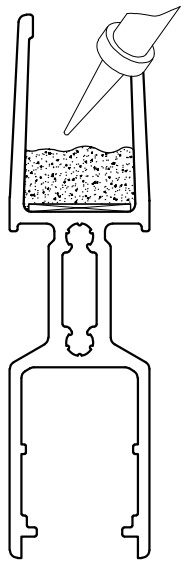
2) ljepljenja podmetača 370.026 (2 kom po krilu i odrezati na odgovarajuću dimenziju)

2) gluing the pad 370.026 (2 pcs by sash and cuting to the appropriate size)



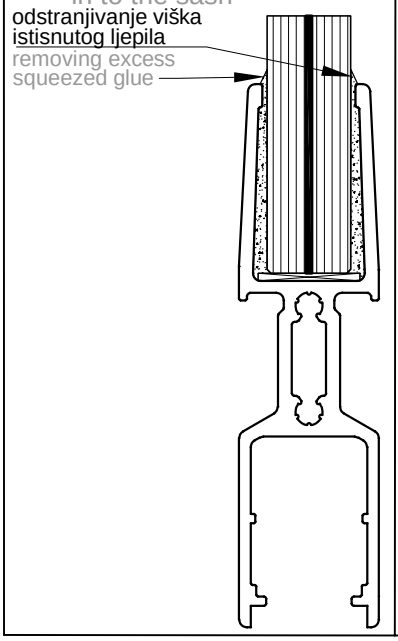
3) ubrizgavanje dvokomponentnog ljepila npr. (2K Silikon Kodiglaze S)

3) injection of two-component glue for example (2K Silikon Kodiglaze S)



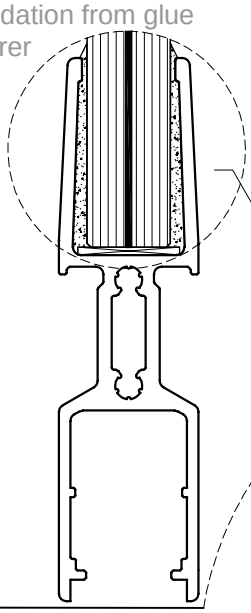
4) ubacivanje stakla u krilo

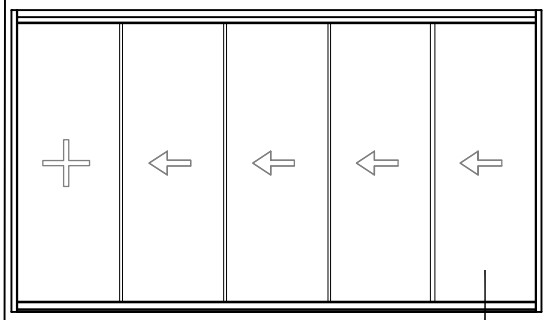
4) insertion the glass in to the sash

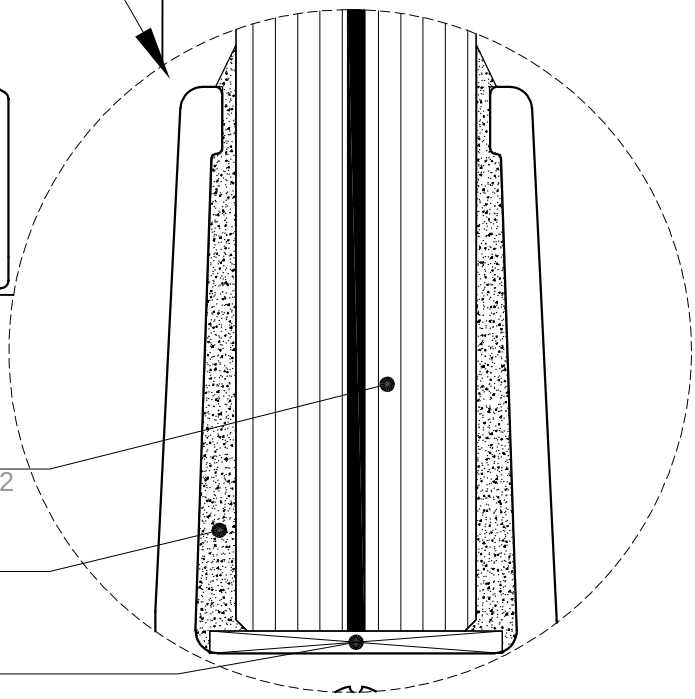


5) ostavljanje ljepila da se suši po zahtjevu proizvođača ljepila

5) leaving glue to dry on recommendation from glue manufacturer



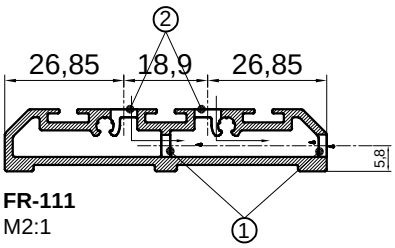




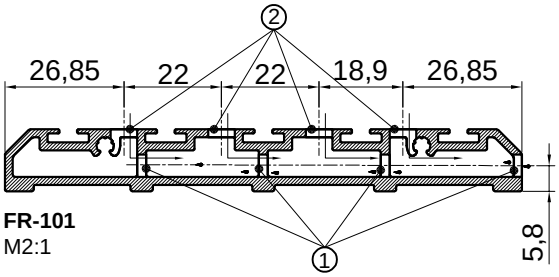
① Žlijeb 5x20 mm

② Žlijeb 6x30 mm

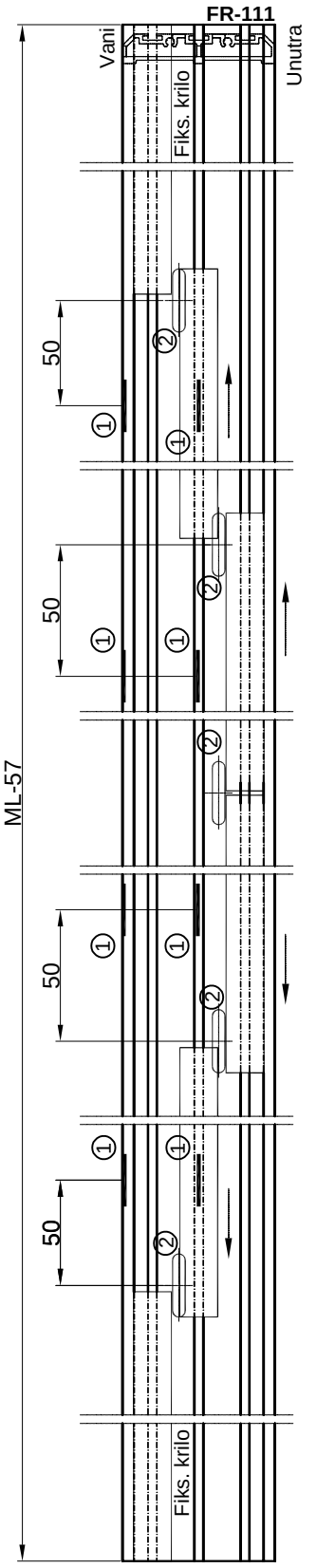
NAPOMENA:
Postaviti otvore "2" na mjesto spoja dvaju krila!
REMARK:
Place openings "2" at the junction of the two sashes!

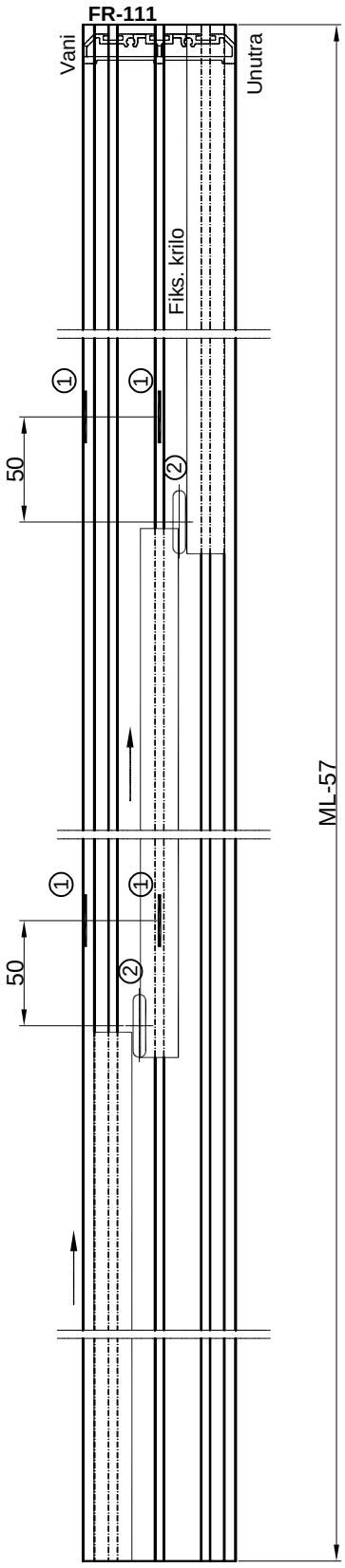


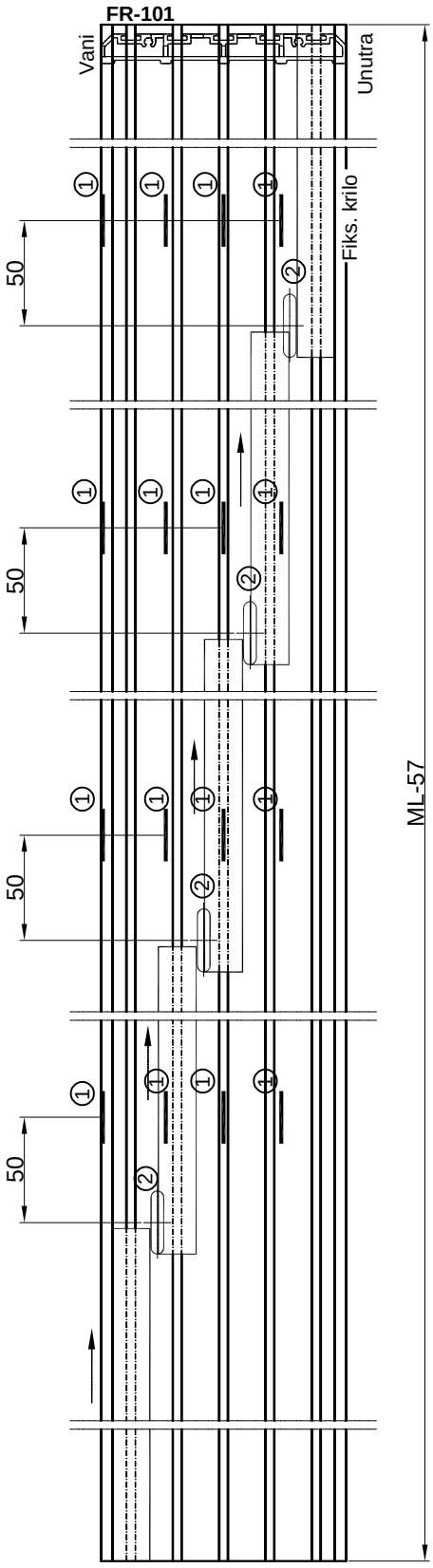
FR-111
M2:1



FR-101
M2:1



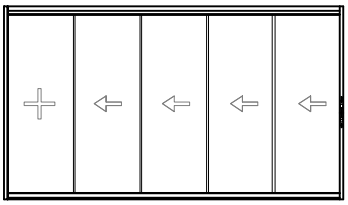




Rezna lista
Cutting list

KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list



naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-102	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/5-4	10	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-4Lkr+3	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-3Lkr-9	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-2Lkr-21	1	90-90
[1]FR-104	vodilica	guide	Lvod4=ML-Lkr-33	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-105	umetak	insert	MH-44,5	1	90-90
FR-107	umetak	insert	[2]MH-194,5	8	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
F-0022	osovina	axle	L=MH-1239	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		10	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		10	
370.056	usmjerivač krila	sash router		10	
370.058	čep vodilice praga	treshold guide cap		4	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		18	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		2	
364.024	odbojnik krila	sash bumper		4	
521.145	umetak za fiksno krilo	insert for fixed sash		2	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		10	
124.006	preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-88	1	90-90
340.055	brtva praga	threshold gasket	Lbp3=ML-3Lkr-76	1	90-90
340.055	brtva praga	threshold gasket	Lbp4=ML-4Lkr-64	1	90-90
347.004	četkasta brtva	brush gasket	MH-44,5	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-194,5	8	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	5	
Glass dimension (tempered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	5	

NAPOMENE: REMARK:

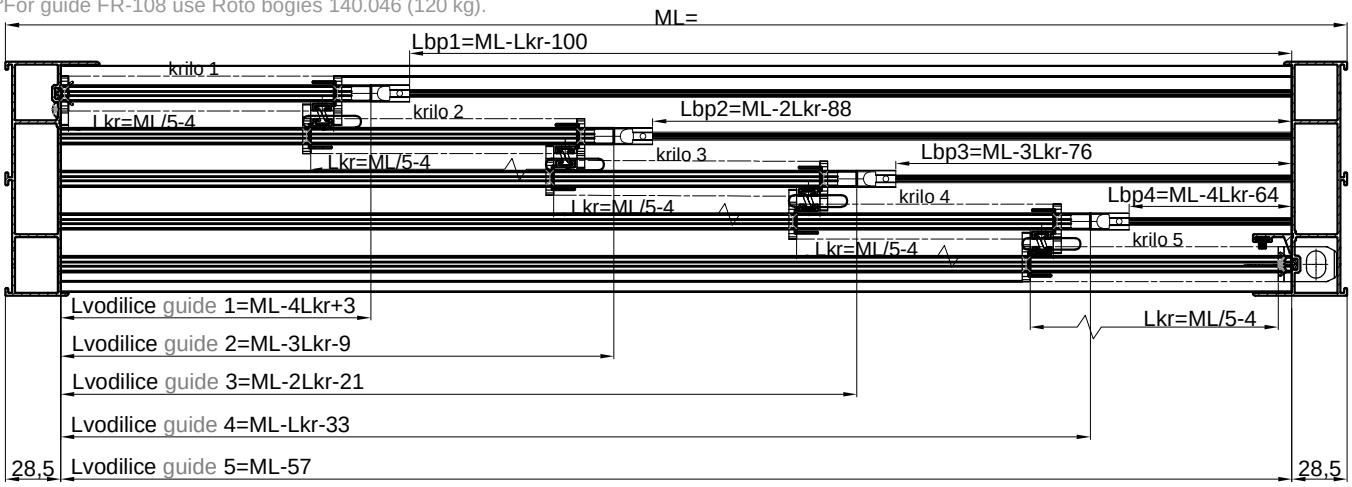
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108 → MH-194.
[2]When using guide FR-108 → MH-194.

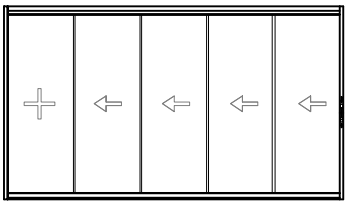
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

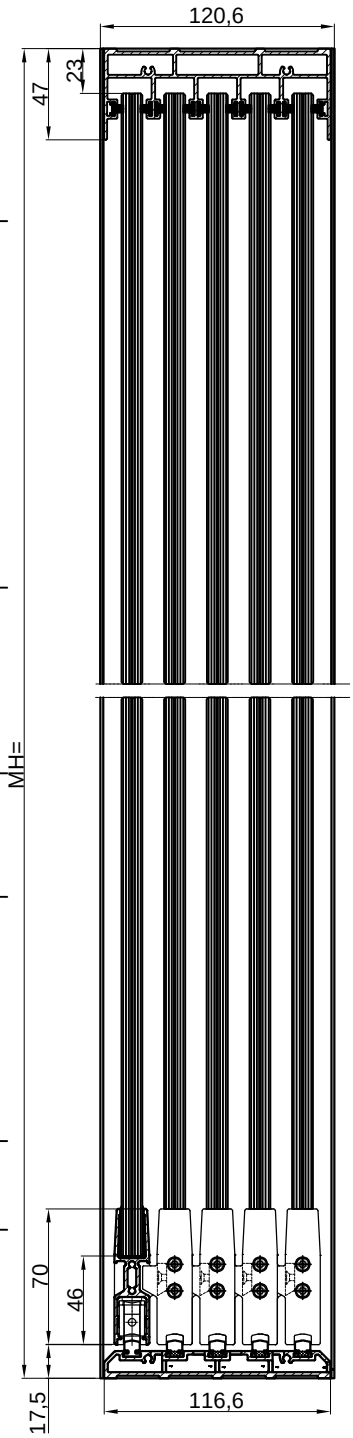




KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-106	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/5-4	5	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-4Lkr+3	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-3Lkr-9	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-2Lkr-21	1	90-90
[1]FR-104	vodilica	guide	Lvod4=ML-Lkr-33	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-105	umetak	insert	MH-50	1	90-90
FR-107	umetak	insert	[2]MH-134,5	8	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		10	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		10	
370.058	čep vodilice praga	treshold guide cap		4	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		9	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		1	
364.024	odbojnik krila	sash bumper		4	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		10	
124.006	preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		1	
Brtve Gasket					
340.053	brtva u vertikalnom pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-88	1	
340.055	brtva praga	threshold gasket	Lbp3=ML-3Lkr-76	1	
340.055	brtva praga	threshold gasket	Lbp4=ML-4Lkr-64	1	
347.004	četkasta brtva	brush gasket	MH-50	1	90-90
347.004	četkasta brtva	brush gasket	ML-57	10	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-134,5	8	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2) Glass dimension (tempered laminated 5.5.2)			Lst x [4]Hst=Lkr x (MH-86.5) Lgl x [4]Hgl=Lsh x (HM-86.5)	5 5	

NAPOMENE: REMARKS:

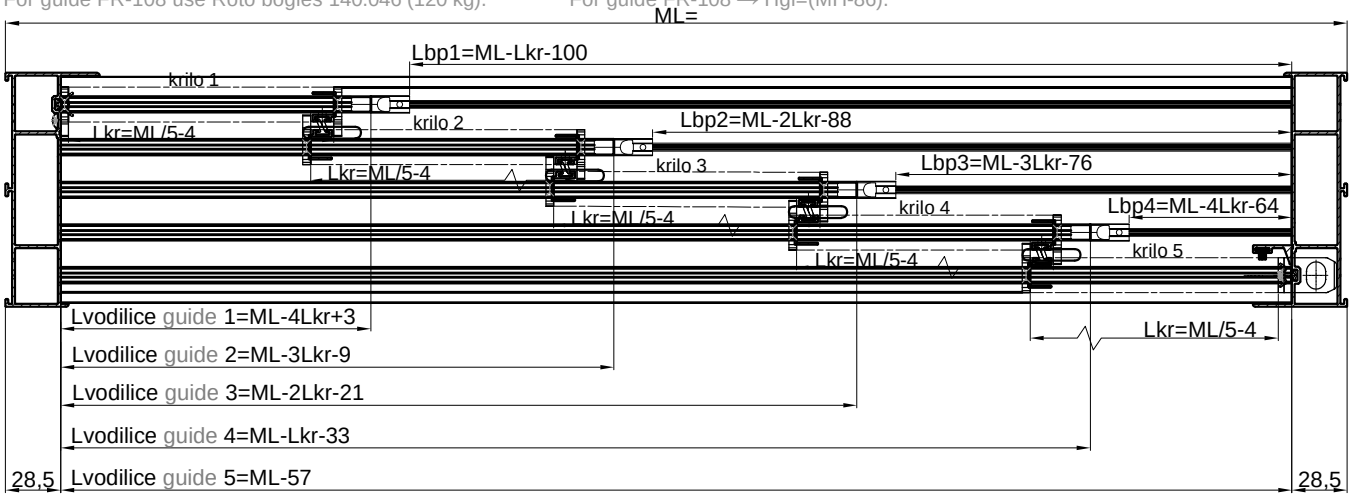
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108 → MH-134.
[2]When using guide FR-108 → MH-134.

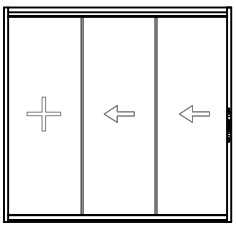
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

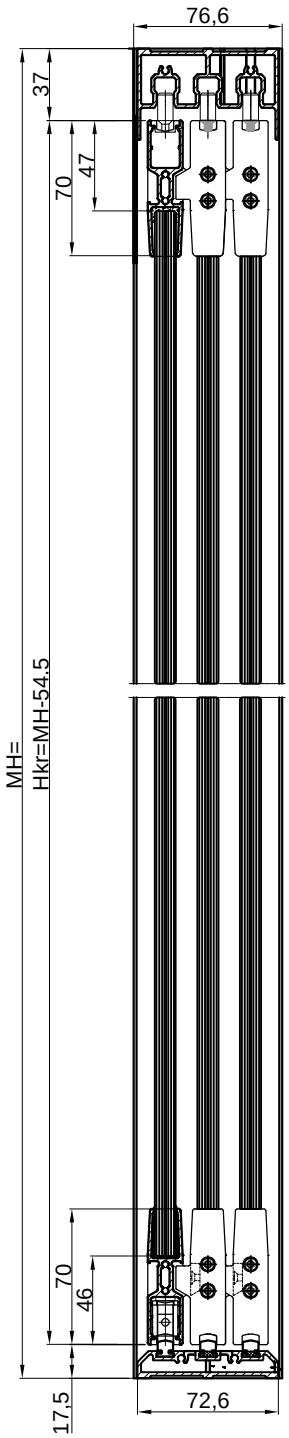
[4]Za vodilicu FR-108 → Hst=(MH-86).
[4]For guide FR-108 → Hgl=(MH-86).



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-112	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/3-14,67	6	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-2Lkr-21	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-1Lkr-33	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-57	1	90-90
FR-105	umetak	insert	MH-44,5	1	90-90
FR-107	umetak	insert	[2]MH-194,5	4	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
F-0022	osovina	axle	L=MH-1239	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		6	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		6	
370.056	usmjerivač krila	sash router		6	
370.058	čep vodilice praga	treshold guide cap		2	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		10	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		2	
364.024	odbojnik krila	sash bumper		2	
521.145	umetak za fiksno krilo	insert for fixed sash		2	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		6	
124.006	preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-88	1	90-90
347.004	četkasta brtva	brush gasket	MH-44,5	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-194,5	4	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	3	
Glass dimension (tampered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	3	

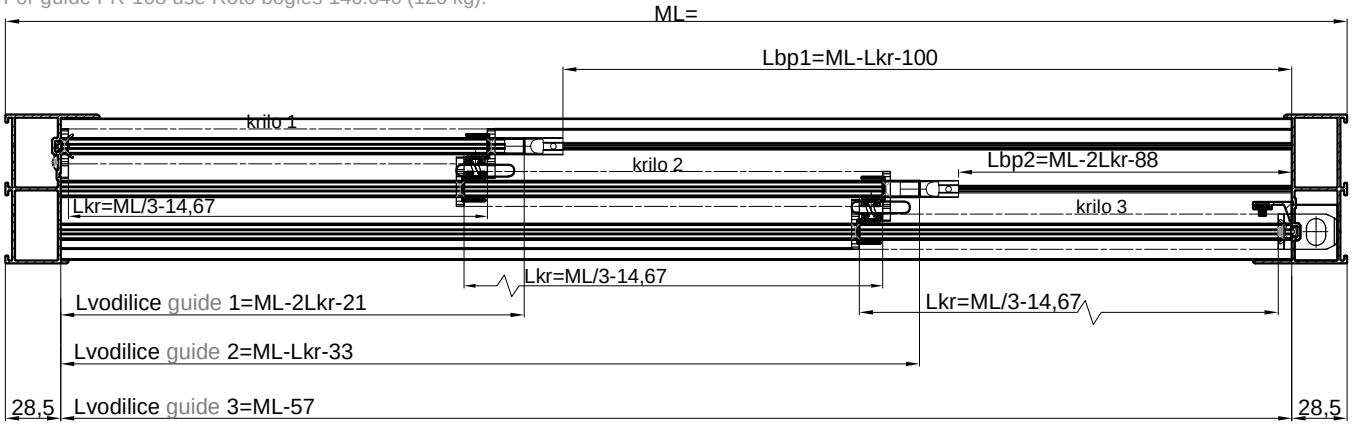
NAPOMENE: REMARKS:

MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

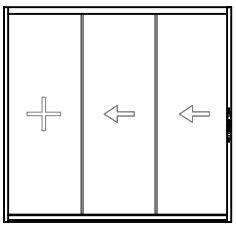
[2]Kada se koristi vod. FR-108 → MH-194.
[2]When using guide FR-108 → MH-194.

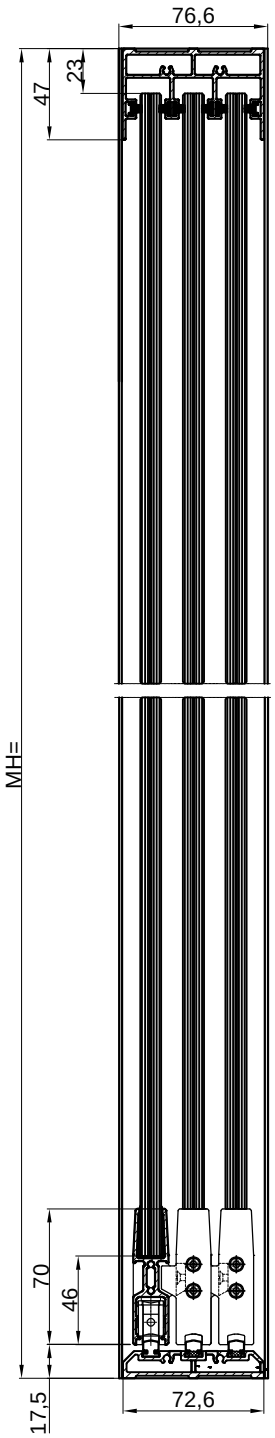
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-114	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/3-14,67	3	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-2Lkr-21	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-1Lkr-33	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-57	1	90-90
FR-105	umetak	insert	MH-50	1	90-90
FR-107	umetak	insert	[2]MH-134,5	4	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		6	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		6	
370.058	čep vodilice praga	treshold guide cap		2	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		5	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		1	
364.024	odbojnik krila	sash bumper		2	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		6	
124.006	preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gaskets					
340.053	brtva u vert.pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-88	1	90-90
347.004	četkasta brtva	brush gasket	MH-50	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-134,5	4	90-90
347.004	četkasta brtva	brush gasket	ML-57	6	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2) Glass dimension (tampered laminated 5.5.2)			Lst x [4]Hst=Lkr x (MH-86.5) Lgl x [4]Hgl=Lsh x (MH-86.5)	3 3	

NAPOMENE: REMARKS:

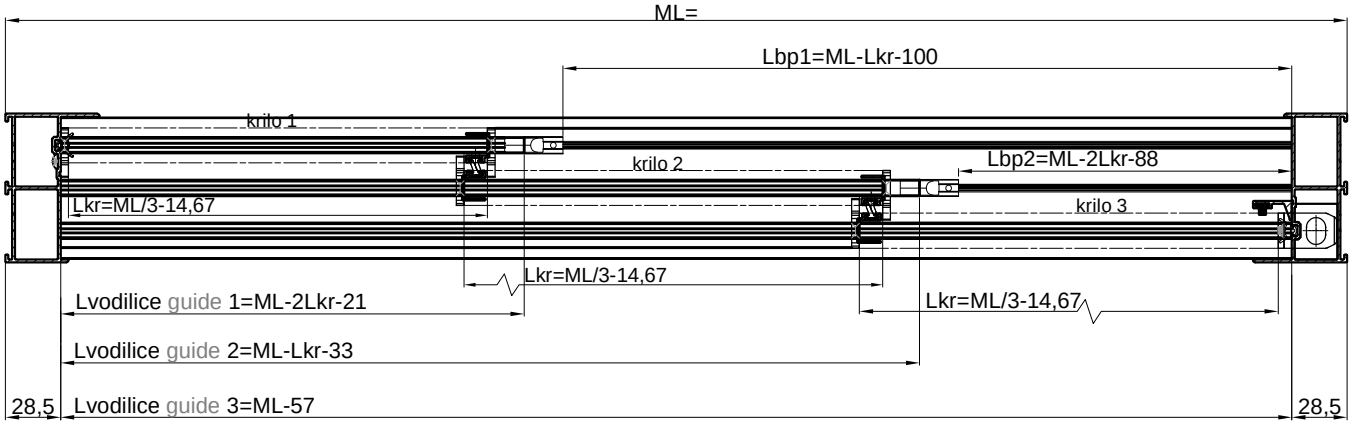
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108 → MH-134.
[2]When using guide FR-108 → MH-134.

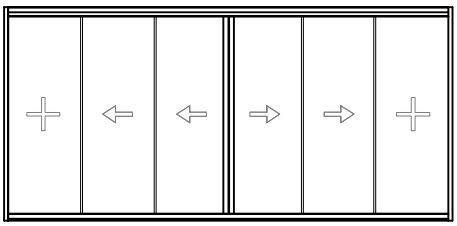
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

[4]Za vodilicu FR-108 → Hst=(MH-86).
[4]For guide FR-108 → Hgl=(MH-86).



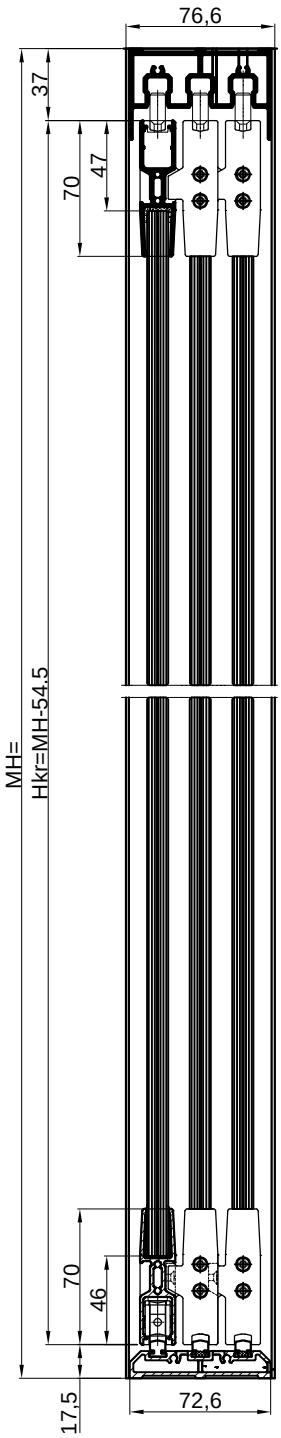
KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list



Otvaranje prema van.
Opening on the outside.

Rezne liste za otvaranje iznutra su iste!
Cutting lists for opening on the inside are the same!



naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-112	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/6-4,5	12	90-90
[1]FR-104	vodilica	guide	Lvod1,2=ML/2-2Lkr+9,5	2	90-90
[1]FR-104	vodilica	guide	Lvod3,4=ML/2-Lkr-2,5	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-107	umetak	insert	[2]MH-194,5	8	90-90
FR-115	umetak	insert	[2]MH-194,5	2	90-90
F-1743	klizač	slider	[2]MH-194,5	1	90-90
F-1749	maska	cap	[2]MH-194,5	2	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		12	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		12	
370.056	usmjerivač krila	sash router		12	
370.058	čep vodilice praga	treshold guide cap		4	
364.024	odbojnik krila	sash bumper		4	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		24	
521.145	umetak za fiksno krilo	insert for fixed sash		4	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		12	
101.017	ručica za ključanje dva krila	lever for locking two sashes		1	
390.038	zapinjač za ključanje dvaju krila	claps for locking two sashes		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-4Lkr-119	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-143	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-194,5	12	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	6	
Glass dimension (tampered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	6	

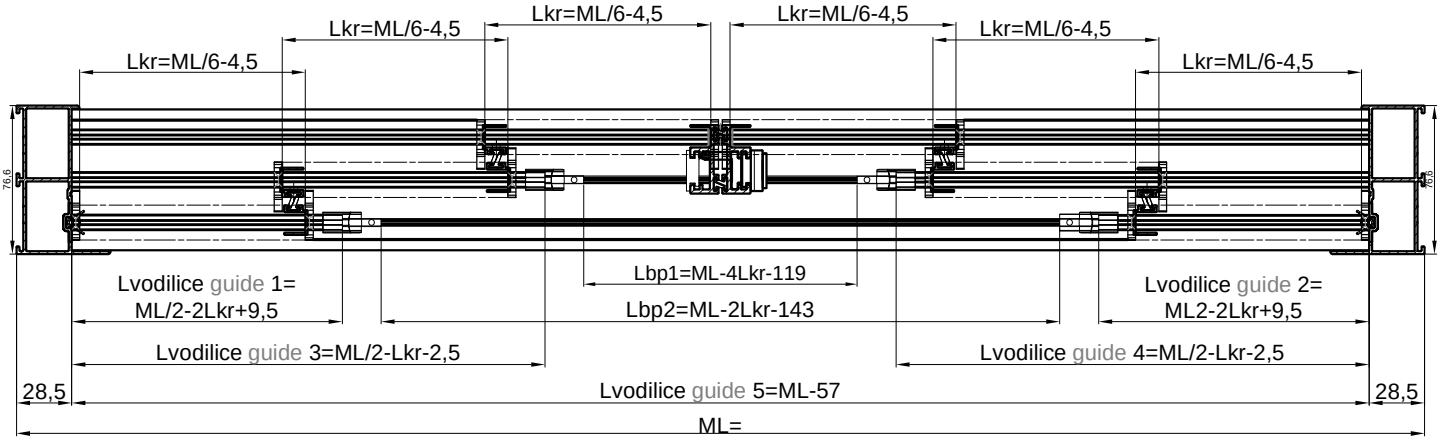
NAPOMENE: REMARKS:

MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

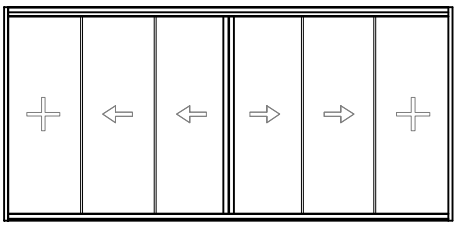
[2]Kada se koristi vod. FR-108 → MH-194.
[2]When using guide FR-108 → MH-194.

[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).



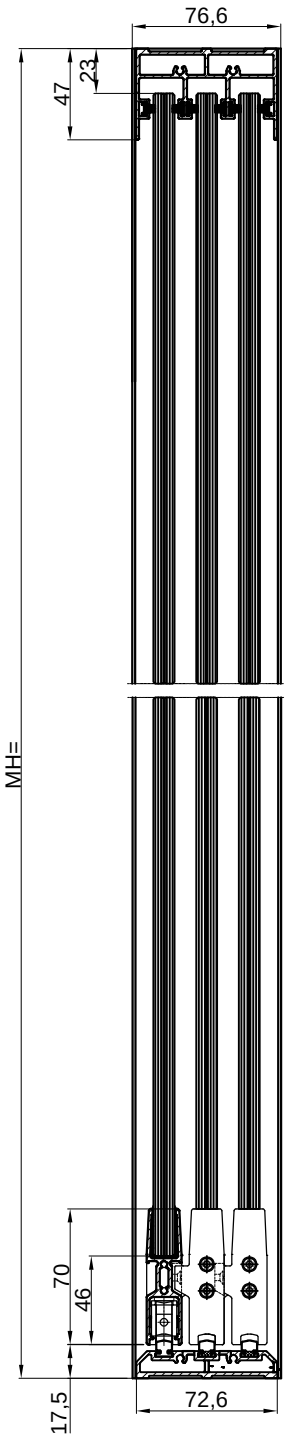
KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list



Otvaranje prema van.
Opening on the outside.

Rezne liste za otvaranje iznutra su iste!
Cutting lists for opening on the inside are the same!



naziv / name			mjera / measure	kom. / pcs.	pilanje / cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-114	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/6-4,5	12	90-90
[1]FR-104	vodilica	guide	Lvod1,2=ML/2-2Lkr+9,5	2	90-90
[1]FR-104	vodilica	guide	Lvod3,4=ML/2-Lkr-2,5	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-107	umetak	insert	[2]MH-134,5	8	90-90
FR-115	umetak	insert	[2]MH-134,5	2	90-90
F-1743	klizač	slider	[2]MH-134,5	1	90-90
F-1749	maska	cap	[2]MH-134,5	2	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		12	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		12	
370.056	usmjerivač krila	sash router		12	
370.058	čep vodilice praga	treshold guide cap		4	
364.024	odbojnik krila	sash bumper		4	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		24	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		12	
101.017	ručica za ključanje dva krila	lever for locking two sashes		1	
390.038	zapinjač za ključanje dvaju krila	claps for locking two sashes		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-4Lkr-119	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-143	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-134,5	12	90-90
347.004	četkasta brtva	brush gasket	ML-57	6	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x [4]Hst=Lkr x (MH-86.5)	6	
Glass dimension (tempered laminated 5.5.2)			Lgl x [4]Hgl=Lsh x (MH-86.5)	6	

NAPOMENE: REMARKS:

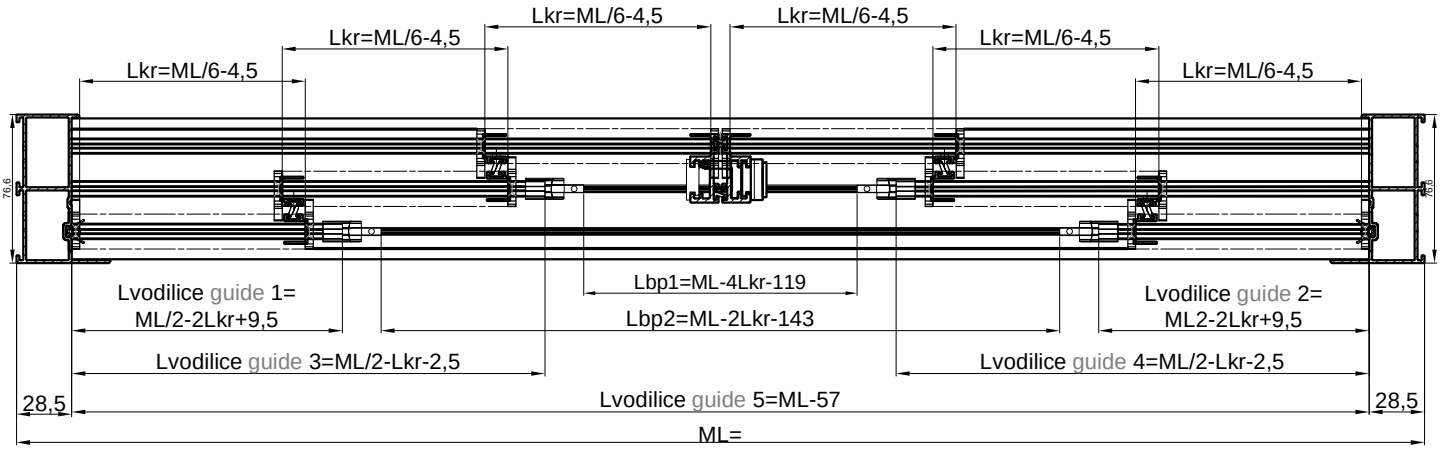
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108 → MH-134.
[2]When using guide FR-108 → MH-134.

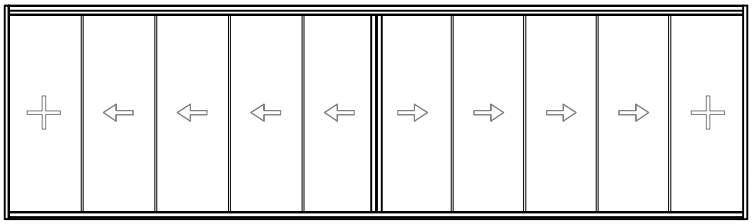
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

[4]Za vodilicu FR-108 → Hst=(MH-86).
[4]For guide FR-108 → Hgl=(MH-86).



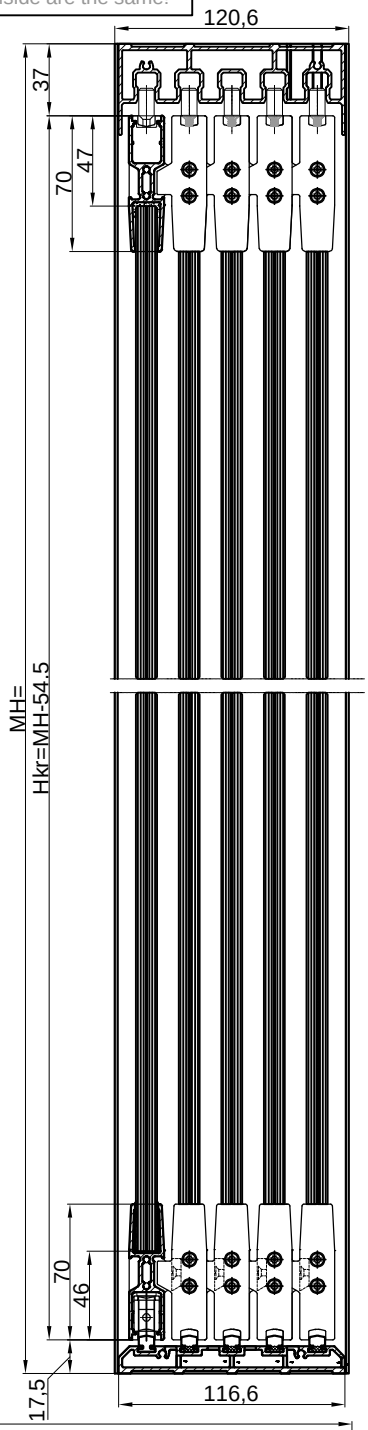
KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list



Rezne liste za otvaranje iznutra su iste!
Cutting lists for opening on the inside are the same!

Otvaranje prema van.
Opening on the outside.



naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-102	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/10+2,1	20	90-90
[1]FR-104	vodilica	guide	Lvod1,2=ML/2-4Lkr+33,5	2	90-90
[1]FR-104	vodilica	guide	Lvod3,4=ML/2-3Lkr+21,5	2	90-90
[1]FR-104	vodilica	guide	Lvod5,6=ML/2-2Lkr+9,5	2	90-90
[1]FR-104	vodilica	guide	Lvod7,8=ML/2-Lkr-2,5	2	90-90
[1]FR-104	vodilica	guide	Lvod9=ML-57	1	90-90
FR-107	umetak	insert	[2]MH-194,5	16	90-90
FR-115	umetak	insert	[2]MH-194,5	2	90-90
F-1743	klizač	slider	[2]MH-194,5	1	90-90
F-1749	maska	cap	[2]MH-194,5	2	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		20	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		20	
370.056	usmjerivač krila	sash router		8	
370.058	čep vodilice praga	treshold guide cap		20	
364.024	odbojnik krila	sash bumper		8	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		40	
521.145	umetak za fiksno krilo	insert for fixed sash		4	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		20	
101.017	ručica za ključanje dva krila	lever for locking two sashes		1	
390.038	zapinjač za ključanje dvaju krila	claps for locking two sashes		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-8Lkr-71	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-6Lkr-95	1	90-90
340.055	brtva praga	threshold gasket	Lbp3=ML-4Lkr-119	1	90-90
340.055	brtva praga	threshold gasket	Lbp4=ML-2Lkr-143	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-194,5	20	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	10	
Glass dimension (tampered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	10	

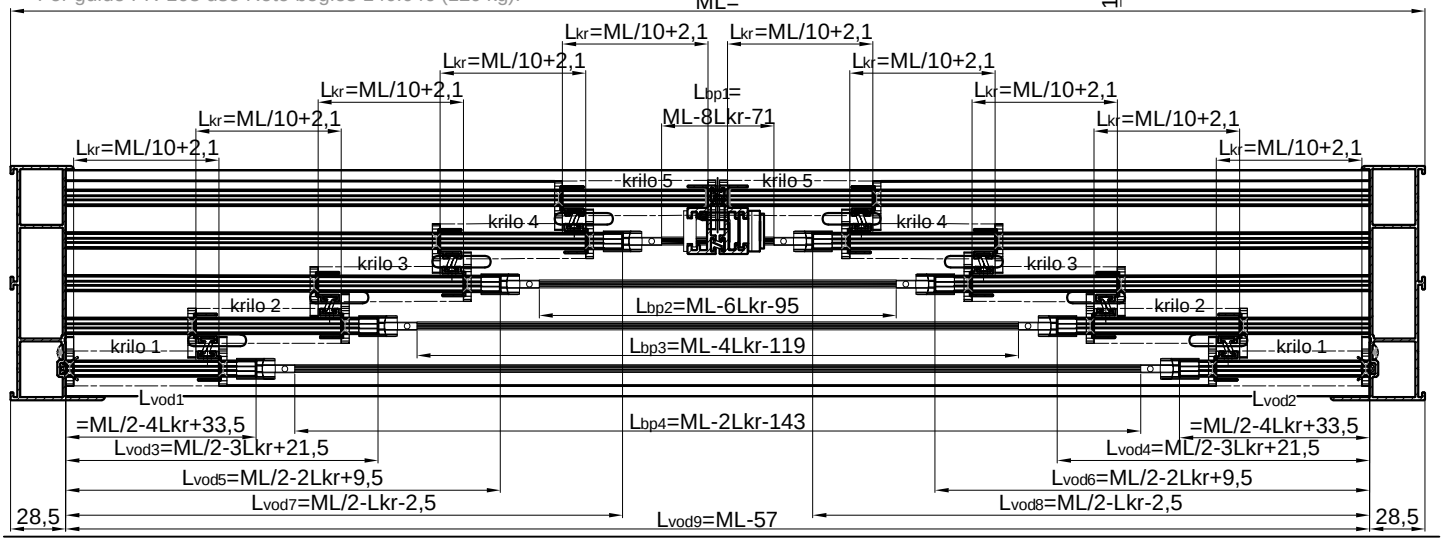
NAPOMENE: REMARKS:

MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

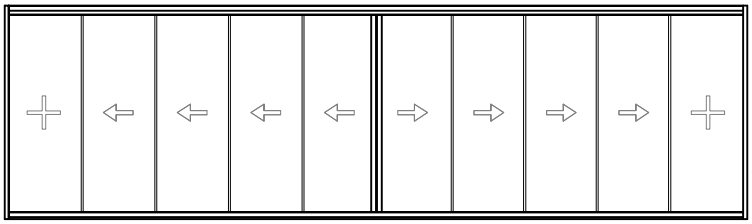
[2]Kada se koristi vod. FR-108 → MH-194.
[2]When using guide FR-108 → MH-194.

[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).



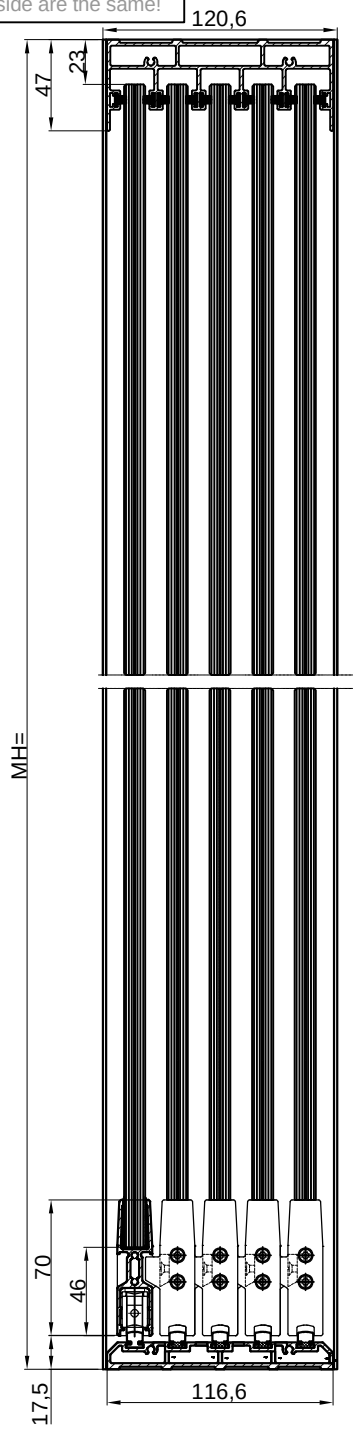
KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list



Rezne liste za otvaranje iznutra su iste!
Cutting lists for opening on the inside are the same!

Otvaranje prema van.
Opening on the outside.



naziv / name			mjera / measure	kom. / pcs.	pilanje / cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-106	ram	frame	ML-57	1	90-90
FR-116	krilo	sash	Lkr=ML/10+2,1	20	90-90
[1]FR-104	vodilica	guide	Lvod1,2=ML/2-4Lkr+33,5	2	90-90
[1]FR-104	vodilica	guide	Lvod3,4=ML/2-3Lkr+21,5	2	90-90
[1]FR-104	vodilica	guide	Lvod5,6=ML/2-2Lkr+9,5	2	90-90
[1]FR-104	vodilica	guide	Lvod7,8=ML/2-Lkr-2,5	2	90-90
[1]FR-104	vodilica	guide	Lvod9=ML-57	1	90-90
FR-107	umetak	insert	[2]MH-134,5	16	90-90
FR-115	umetak	insert	[2]MH-134,5	2	90-90
F-1743	klizač	slider	[2]MH-134,5	1	90-90
F-1749	maska	cap	[2]MH-134,5	2	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		20	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		20	
370.058	čep vodilice praga	treshold guide cap		8	
370.056	usmjerivač krila	sash router		20	
364.024	odbojnik krila	sash bumper		8	
391.290	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		40	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		20	
101.017	ručica za ključanje dva krila	lever for locking two sashes		1	
390.038	zapinjač za ključanje dvaju krila	claps for locking two sashes		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-8Lkr-71	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-6Lkr-95	1	90-90
340.055	brtva praga	threshold gasket	Lbp3=ML-4Lkr-119	1	90-90
340.055	brtva praga	threshold gasket	Lbp4=ML-2Lkr-143	1	90-90
347.011	QL brtva 7mm	QL gasket 7mm	[2]MH-134,5	20	90-90
347.004	četkasta brtva	brush gasket	ML-57	10	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x [4]Hst=Lkr x (MH-86.5)	10	
Glass dimension (tempered laminated 5.5.2)			Lgl x [4]Hgl=Lsh x (MH-86.5)	10	

NAPOMENE: REMARKS:

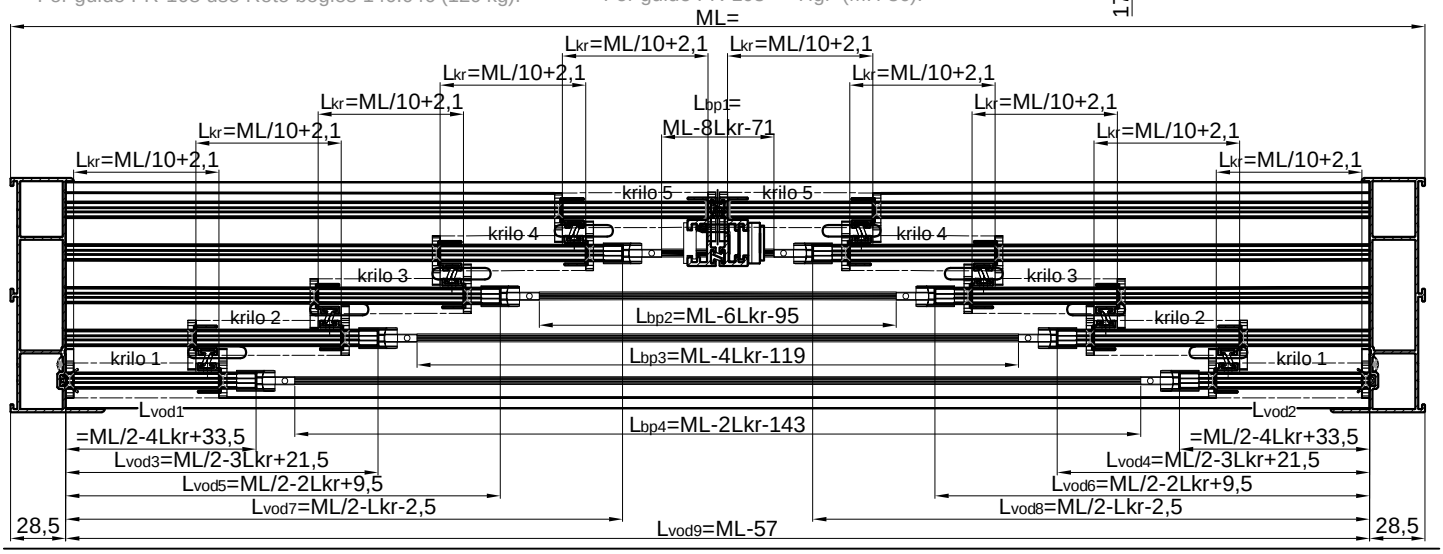
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108 → MH-134.
[2]When using guide FR-108 → MH-134.

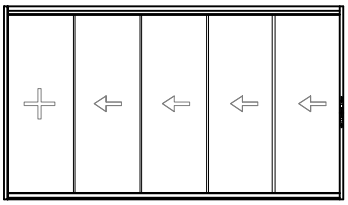
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

[4]Za vodilicu FR-108 → Hst=(MH-86).
[4]For guide FR-108 → Hgl=(MH-86).



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-102	ram	frame	ML-57	1	90-90
FR-103	krilo	sash	Lkr=ML/5-3	10	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-4Lkr+7	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-3Lkr-6	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-2Lkr-19	1	90-90
[1]FR-104	vodilica	guide	Lvod4=ML-Lkr-32	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-105	umetak	insert	MH-44,5	1	90-90
FR-107	umetak	insert	[2]MH-174,5	8	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
F-0022	osovina	axle	L=MH-1239	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		10	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		10	
370.056	usmjerivač krila	sash router		10	
370.058	čep vodilice praga	treshold guide cap		4	
370.061	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		18	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		2	
521.145	umetak za fiksno krilo	insert for fixed sash		2	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		10	
124.006	Preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
318.014	brtva prema staklu krila	gasket to the sash glass	Lkr	20	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-87	1	90-90
340.055	brtva praga	threshold gasket	Lbp3=ML-3Lkr-74	1	90-90
340.055	brtva praga	threshold gasket	Lbp4=ML-4Lkr-61	1	90-90
347.004	četkasta brtva	brush gasket	MH-44,5	1	90-90
[4]347.004	četkasta brtva	brush gasket	[2]MH-174,5	8	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	5	
Glass dimension (tampered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	5	

NAPOMENE: REMARK:

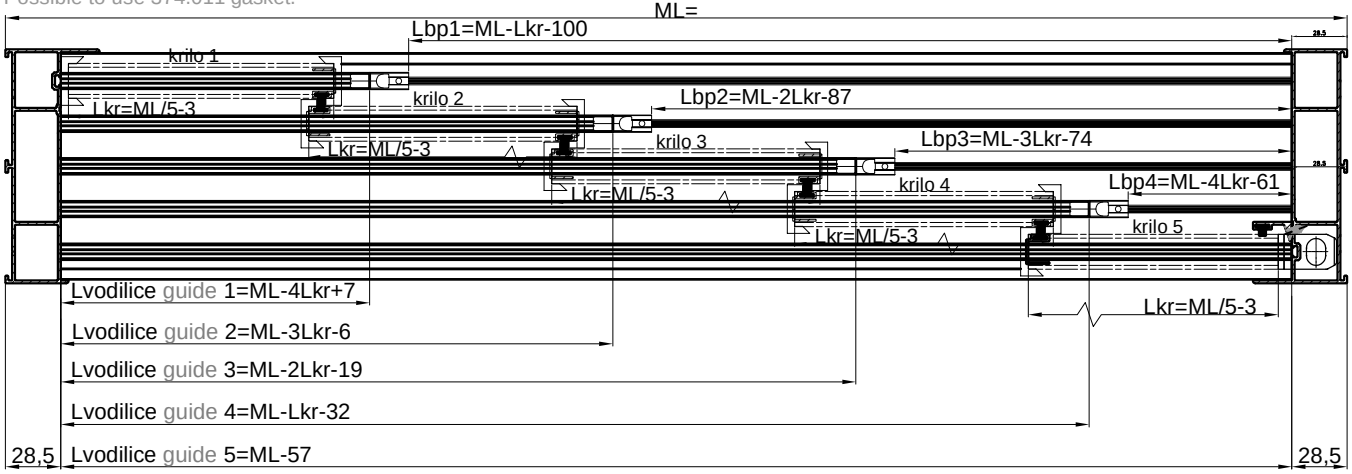
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108; MH-174.
[2]When using guide FR-108; =MH-174.

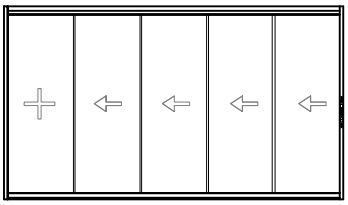
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

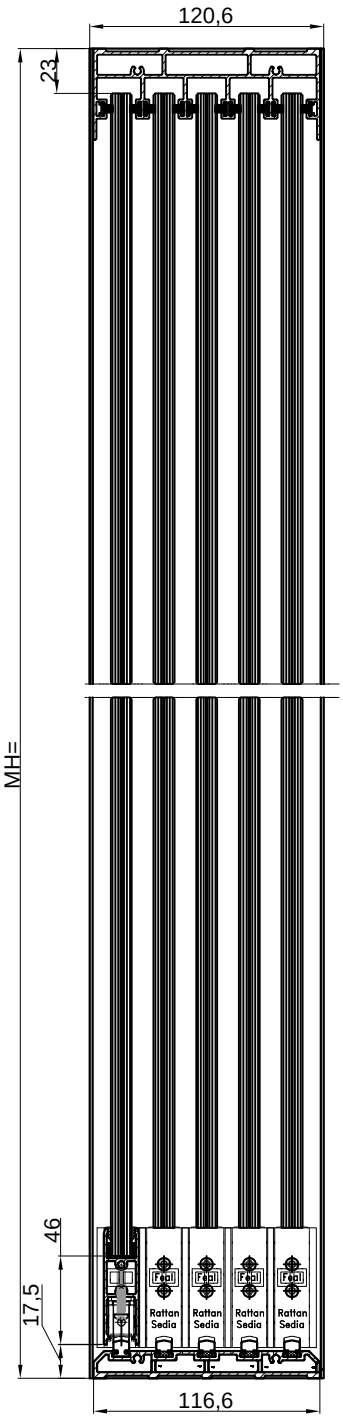
[4]Moguće koristiti brtvu 374.011.
[4]Possible to use 374.011 gasket.



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-100	ram	frame	MH	2	90-90
FR-101	ram	frame	ML-57	1	90-90
FR-106	ram	frame	ML-57	1	90-90
FR-103	krilo	sash	Lkr=ML/5-3	5	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-4Lkr+7	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-3Lkr-6	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-2Lkr-19	1	90-90
[1]FR-104	vodilica	guide	Lvod4=ML-Lkr-32	1	90-90
[1]FR-104	vodilica	guide	Lvod5=ML-57	1	90-90
FR-105	umetak	insert	MH-50	1	90-90
FR-107	umetak	insert	[2]MH-124,5	8	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		10	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		10	
370.058	čep vodilice praga	treshold guide cap		4	
370.061	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		9	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		1	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		10	
124.006	Preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		1	
Brtve Gasket					
340.053	brtva u vertikalnom pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
318.014	brtva prema staklu krila	gasket to the sash glass	Lkr	10	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-87	1	
340.055	brtva praga	threshold gasket	Lbp3=ML-3Lkr-74	1	
340.055	brtva praga	threshold gasket	Lbp4=ML-4Lkr-61	1	
347.004	četkasta brtva	brush gasket	MH-50	1	90-90
[4]347.004	četkasta brtva	brush gasket	[2]MH-116,5	9	90-90
347.004	četkasta brtva	brush gasket	ML-57	10	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2) Glass dimension (tempered laminated 5.5.2)			Lst x [5]Hst=Lkr x (MH-86.5) Lgl x [5]Hgl=Lsh x (Hsh-86.5)	5 5	

NAPOMENE: REMARKS:

MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

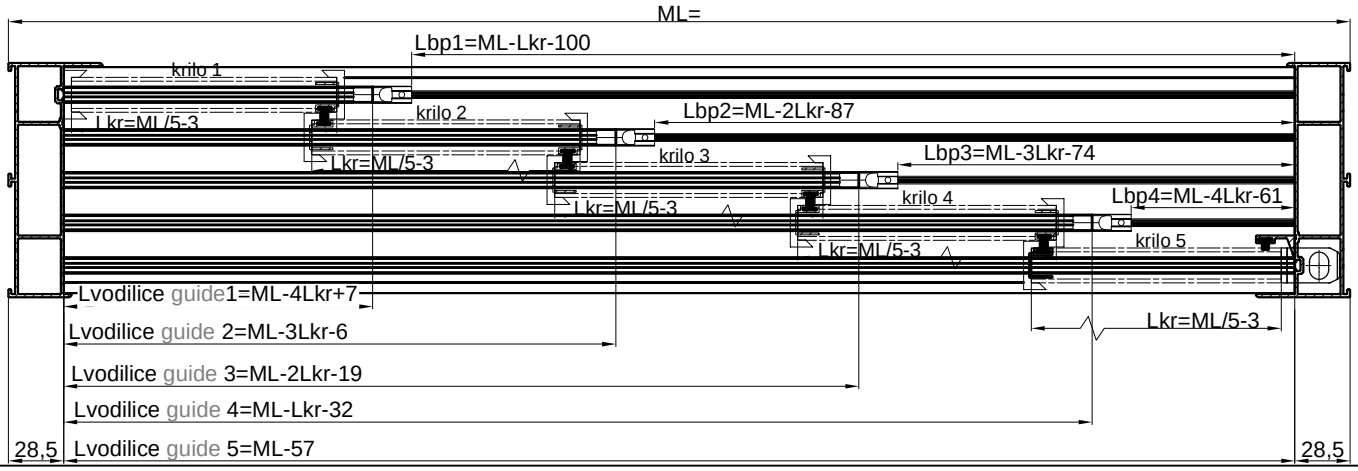
[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108; MH-124.
[2]When using guide FR-108; MH-124.

[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

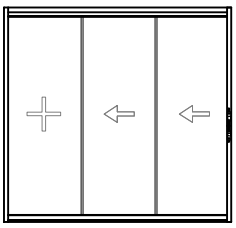
[4]Moguće koristiti brtvu 374.011.
[4]Possible to use 374.011 gasket.

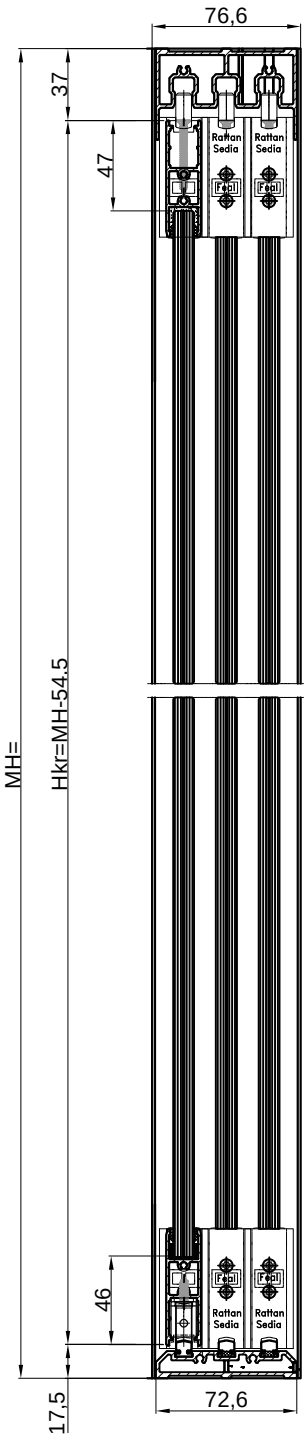
[5]Za vodilicu FR-108, Hst=(MH-86).
[5]For guide FR-108, Hgl=(MH-86).



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-112	ram	frame	ML-57	1	90-90
FR-103	krilo	sash	Lkr=ML/3-14	6	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-2Lkr-19	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-1Lkr-32	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-57	1	90-90
FR-105	umetak	insert	MH-44.5	1	90-90
FR-107	umetak	insert	[2]MH-174,5	4	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
F-0022	osovina	axle	L=MH-1239	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		6	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		6	
370.056	usmjerivač krila	sash router		6	
370.058	čep vodilice praga	treshold guide cap		2	
370.061	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		10	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		2	
521.145	umetak za fiksno krilo	insert for fixed sash		2	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		6	
124.006	Preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gasket					
340.053	brtva u vert. pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
318.014	brtva prema staklu krila	gasket to the sash glass	Lkr	12	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-87	1	90-90
347.004	četkasta brtva	brush gasket	MH-44.5	1	90-90
[4]347.004	četkasta brtva	brush gasket	[2]MH-174,5	4	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2)			Lst x Hst=Lkr x (Hkr-93)	3	
Glass dimension (tampered laminated 5.5.2)			Lgl x Hgl=Lsh x (Hsh-93)	3	

NAPOMENE: REMARKS:

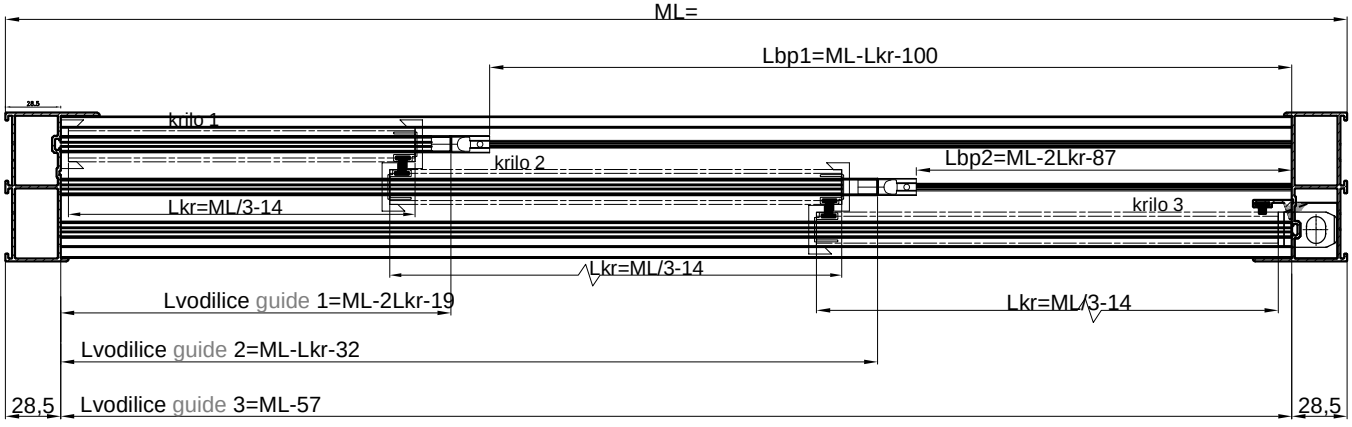
MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108; MH-174.
[2]When using guide FR-108; =MH-174.

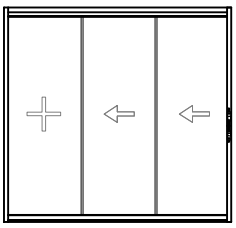
[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

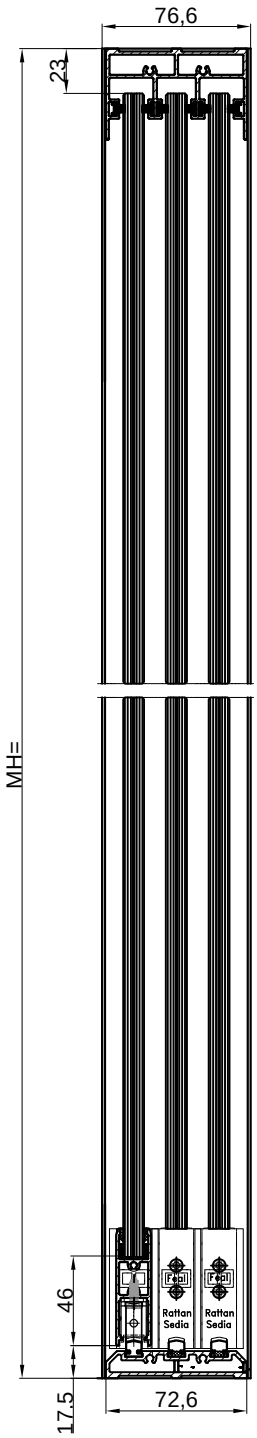
[4]Moguće koristiti brtvu 374.011.
[4]Possible to use 374.011 gasket.



KLIZNE STAKLENE STIJENE FR-18
SLIDING GLASS WALL FR-18

Rezna lista
Cutting list





naziv name			mjera measure	kom. pcs.	pilanje cutting
Profili Profiles					
FR-113	ram	frame	MH	2	90-90
FR-111	ram	frame	ML-57	1	90-90
FR-114	ram	frame	ML-57	1	90-90
FR-103	krilo	sash	Lkr=ML/3-14	3	90-90
[1]FR-104	vodilica	guide	Lvod1=ML-2Lkr-19	1	90-90
[1]FR-104	vodilica	guide	Lvod2=ML-1Lkr-32	1	90-90
[1]FR-104	vodilica	guide	Lvod3=ML-57	1	90-90
FR-105	umetak	insert	MH-50	1	90-90
FR-107	umetak	insert	[2]MH-124,5	4	90-90
F-0022	osovina	axle	L=979 mm	1	90-90
Čepovi i umetci Caps and inserts					
370.026	PVC podmetač za staklo	PVC glass pad		6	
370.030	PVC podmetač za Giesse kotačiće	PVC pad for Giesse bogies		6	
370.058	čep vodilice praga	treshold guide cap		2	
370.061	bočni čep krila i prihvatnik dva krila	side sash cap and two sash acceptor		9	
370.060	bočni čep krila na poziciji ključanja	side stopper of sash on locking position		1	
Okovi Hardware					
[3]521.143	kotačići Giesse (120 kg)	Bogies Giesse (120 kg)		6	
124.006	Preklopni zapinjač-zasun /Stublina/	Bi-fold door latch /Stublina/		1	
521.146	umetak za osovinu ključanja	insert for locking axle		2	
Brtve Gaskets					
340.053	brtva u vert.pojasu rama	gasket in vert. frame zone	MH-29	2	90-90
318.014	brtva prema staklu krila	gasket to the sash glass	Lkr	6	90-90
340.055	brtva praga	threshold gasket	Lbp1=ML-Lkr-100	1	90-90
340.055	brtva praga	threshold gasket	Lbp2=ML-2Lkr-87	1	90-90
347.004	četkasta brtva	brush gasket	MH-50	1	90-90
[4]347.004	četkasta brtva	brush gasket	[2]MH-116,5	4	90-90
347.004	četkasta brtva	brush gasket	ML-57	6	90-90
Staklo Glass					
Dimenzije stakla (kaljeni lamistal 5.5.2) Glass dimension (tampered laminated 5.5.2)			Lst x [5]Hst=Lkr x (MH-86.5) Lgl x [5]Hgl=Lsh x (MH-86.5)	3 3	

NAPOMENE: REMARKS:

MH-visina rama MH-frame height	Lvod-duljina vodilice Lgui-guide length	Lst-širina stakla Lst-sash width	Lkr-širina krila Lkr-sash width
ML-širina rama ML-frame height	Lbp -duljina brtve praga Ltg -treshold gasket length	Hst-visina stakla Hgl-glass height	Hkr-visina krila Hkr-sash height

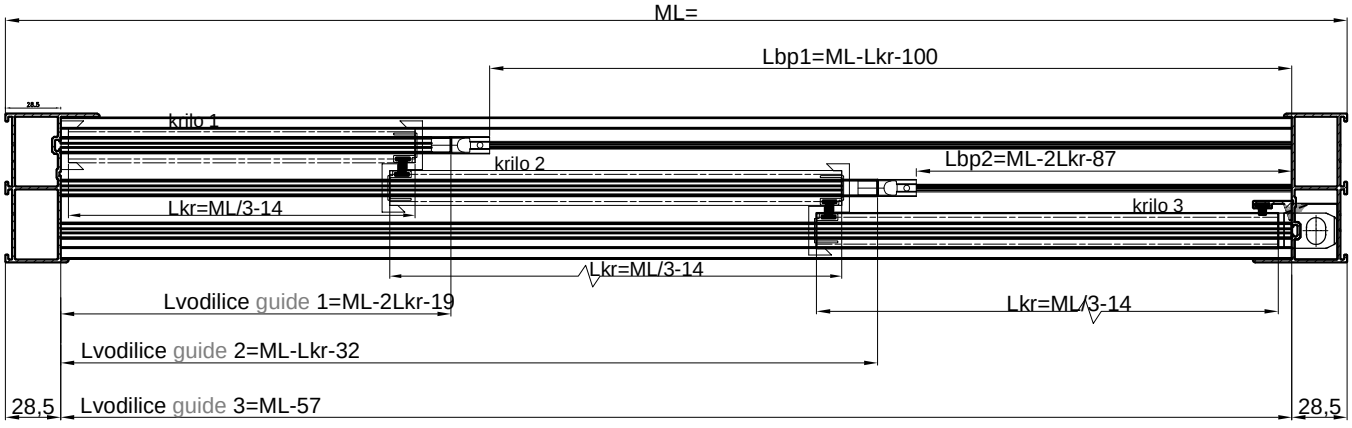
[1]Moguće koristiti vodilicu FR-108.
[1]Possible to use the guide FR-108.

[2]Kada se koristi vod. FR-108; MH-124.
[2]When using guide FR-108; MH-124.

[3]Za vodilicu FR-108 koristiti Roto kotačiće 140.046 (120kg).
[3]For guide FR-108 use Roto bogies 140.046 (120 kg).

[4]Moguće koristiti brtvu 374.011.
[4]Possible to use 374.011 gasket.

[5]Za vodilicu FR-108, Hst=(MH-86).
[5]For guide FR-108, Hgl=(MH-86).



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FR **18**

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