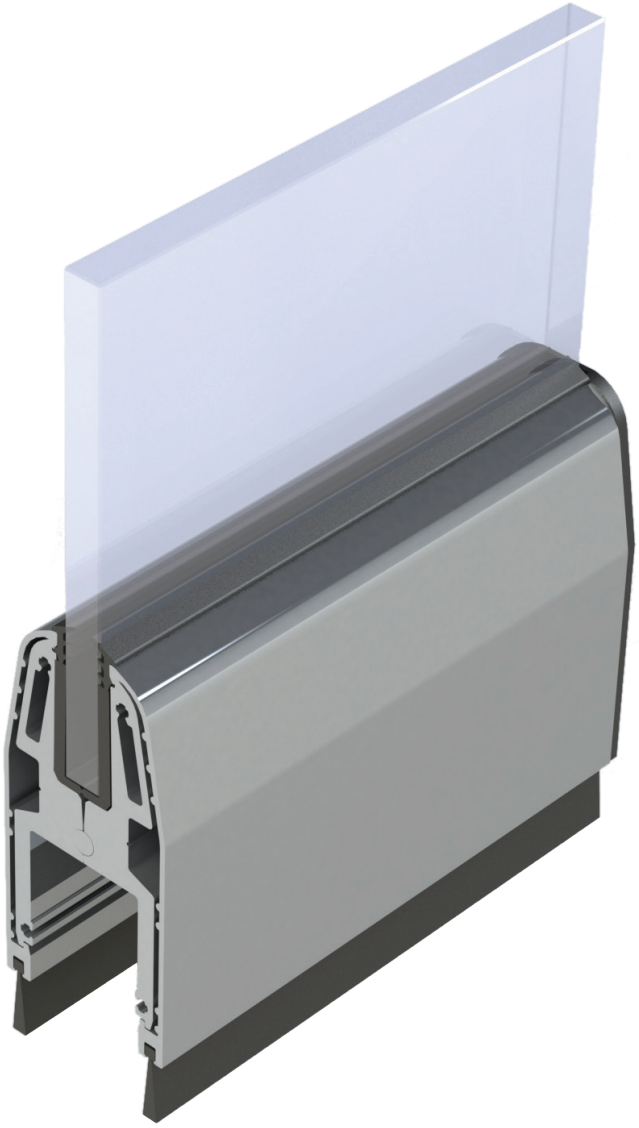
FEAL



MF-45

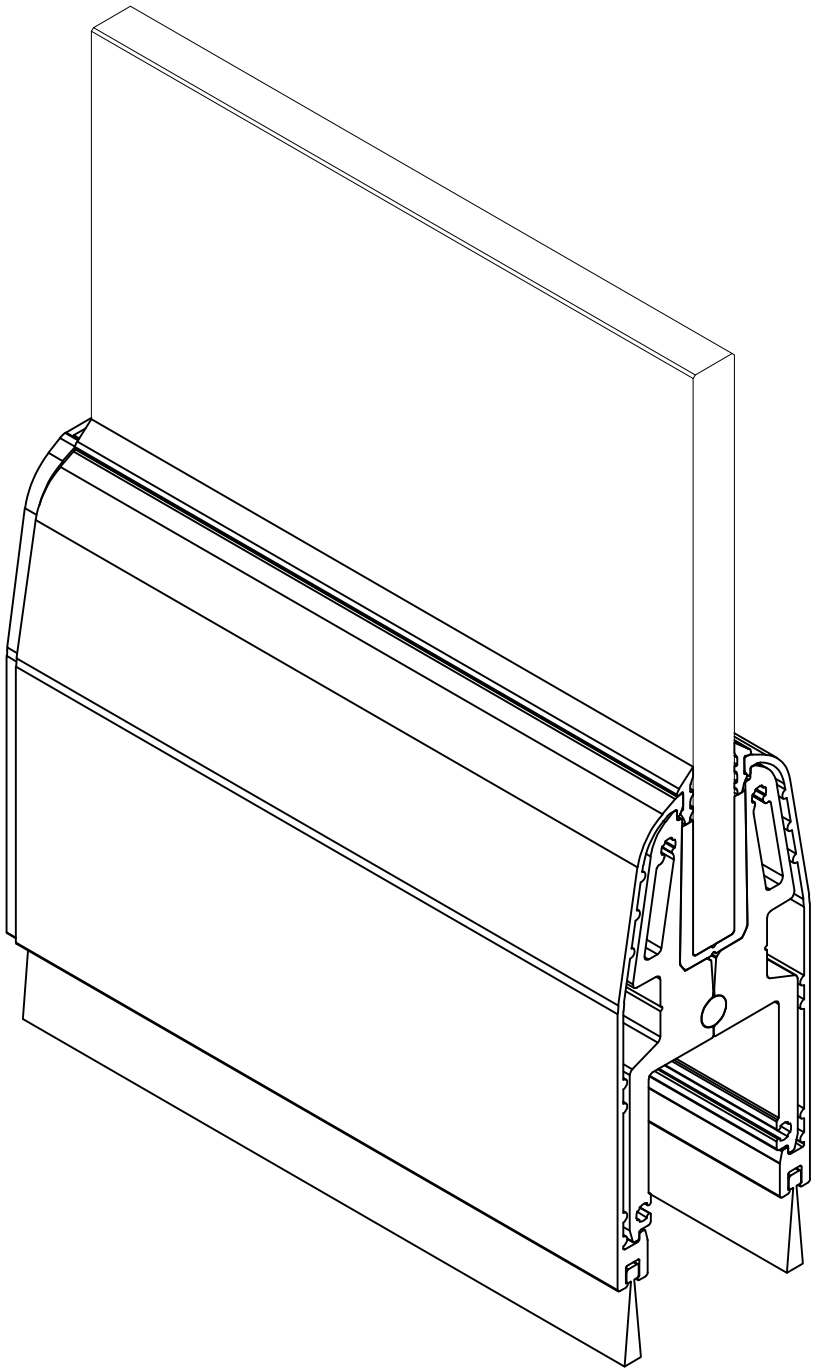
STAKLENE MOBILNE STIJENE

GLASS MOBILE WALLS

SADRŽAJ

00	SADRŽAJ	706.00.000-000
01	ZNAČAJKE SISTEMA	706.01.000-000
03	PROFILI	706.03.000-005
04	VEZNI ELEMENTI	706.04.000-003
05	PVC ELEMENTI	706.05.000-003
06	MEHANIZMI	706.06.000-007
07	BRTVILA	706.07.000-003
08	DODACI	706.08.000-003
10	PRESJECI	706.10.000-023
11	OBRADA I MONTAŽA	706.11.000-045
12	REZNE LISTE	706.12.000-013

Značajke sistema



OPIS SISTEMA MF 45:

Sistem **MF 45** mobilne staklene stijene predstavljaju optimalnu kombinaciju multifunkcionalnosti, otvorenosti i transparentnosti. Ukoliko je vaša želja razdvojiti prostoriju sa staklenim zidom, taj zid ne mora značiti stalnu podjelu prostorije. Daleko prikladniji izbor su mobilne staklene stijene koje omogućuju podjelu između prostorija sukladno vašim potrebama. Ovakva fleksibilnost je iznimno korisna u tržnim centrima, izložbenim prostorima, ugostiteljskim objektima i privatnim rezidencijama kada je potreban puni pristup unutrašnjosti tijekom određenog perioda ili na mjestima gdje stakleni zidovi nude prostranost i njihova mobilnost omogućuje brzu reorganizaciju prostora. MF 45 omogućuje i ugradnju zaokretnih vrata, što omogućuje prolaz između prostorija i kada su mobilne stijene zatvorene.

Tehničke karakteristike sistema:

-Lamistal kaljeno staklo 5.5.2 i 6.6.2

-Odabir različitih površinskih obrada stakla (prozirno, obojano, pjeskareno, printano)

-Odabir različitih površinskih obrada aluminija (RAL boje, eloksaža)

-Bez bočnih profila

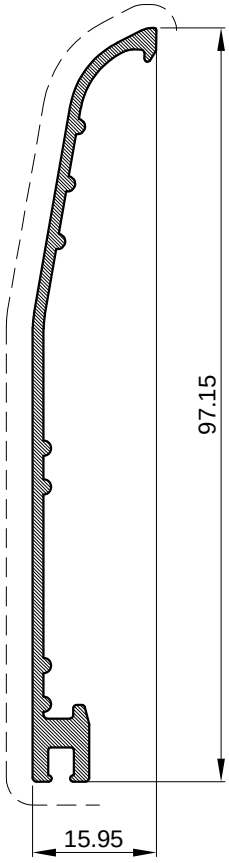
-Bez podnih vodilica

-Automat u krilu za zaokretna vrata - bez obrada u podu

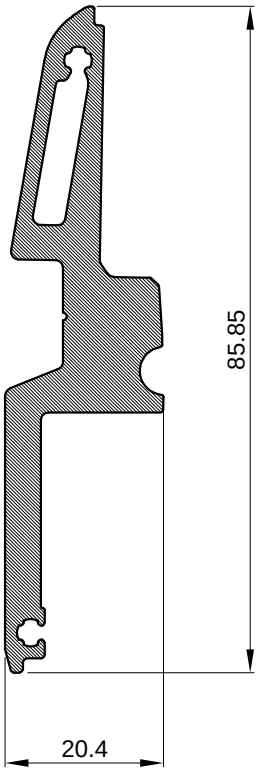
-Nošenje krila u dvije točke za laganije kretanje krila

-Dubina gornjeg i donjeg horizontalnog sklopa - 45 mm

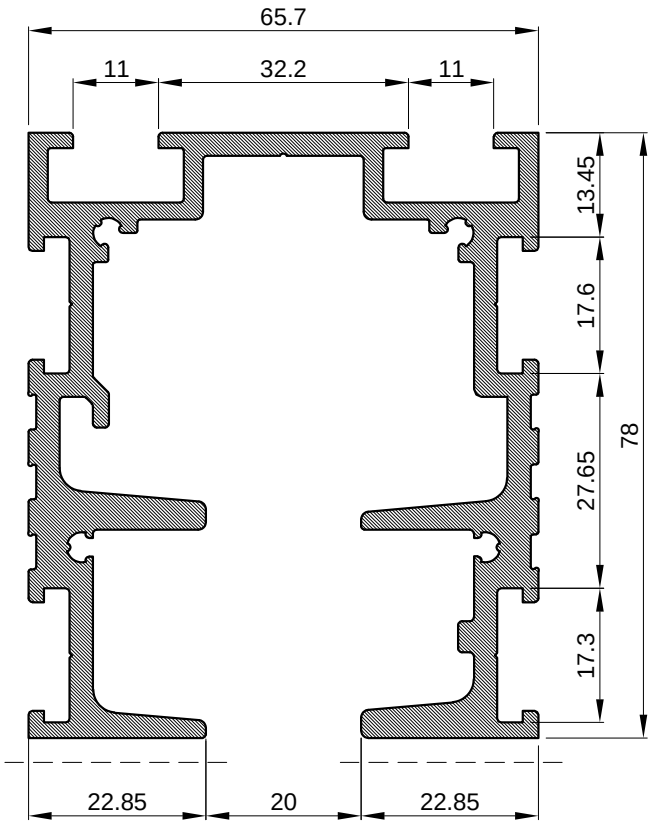
Profili



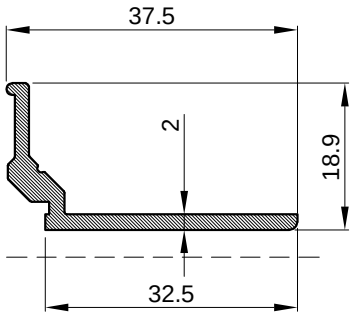
Poklopna lajsna		
Art.Br.	**F-1472**	
Težina	kg/m	0.53
Opseg	mm	224.64
Moment inercije	Ix (cm^4)	20.05
	Iy (cm^4)	0.26
	Wx (cm^3)	3.75
	Wy (cm^3)	0.2
L	mm	≤6800



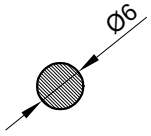
Poklopna lajsna		
Art.Br.	**F-1473**	
Težina	kg/m	1.59
Opseg	mm	224.64
Moment inercije	Ix (cm^4)	23.81
	Iy (cm^4)	1.63
	Wx (cm^3)	5.36
	Wy (cm^3)	1.35
L	mm	≤6800



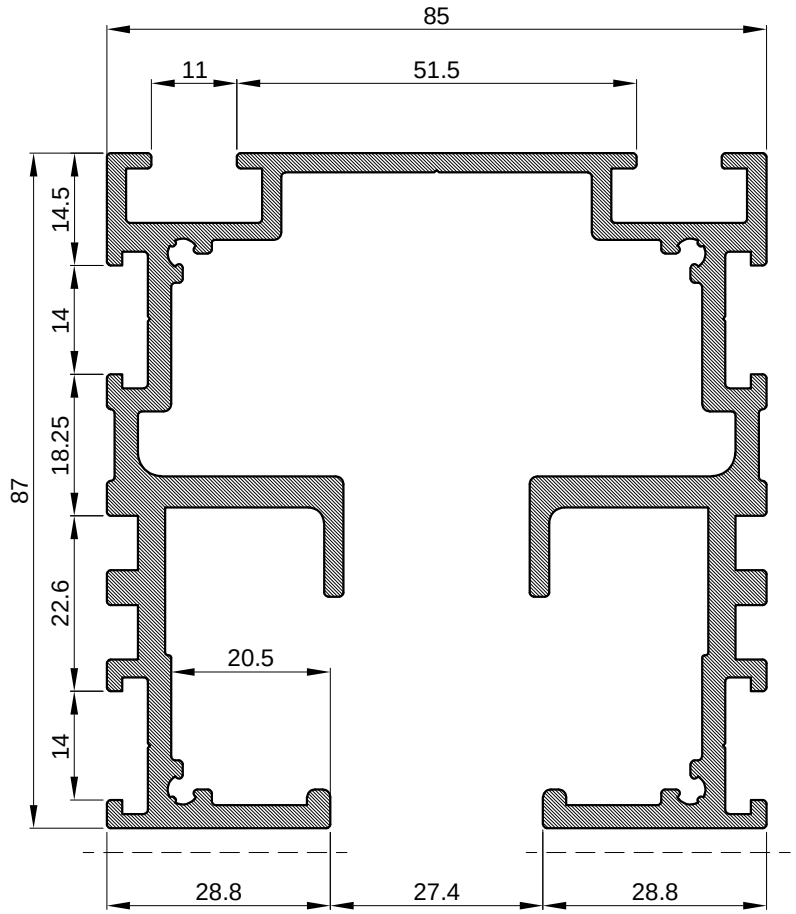
Profil vodilice - harmo stijene		
Art.Br.	**F-1143**	
Težina	kg/m	3.068
Opseg	mm	733.8
Moment inercije	Ix (cm^4)	73.6372
	Iy (cm^4)	69.8967
	Wx (cm^3)	18.4155
	Wy (cm^3)	21.1359
L	mm	6500



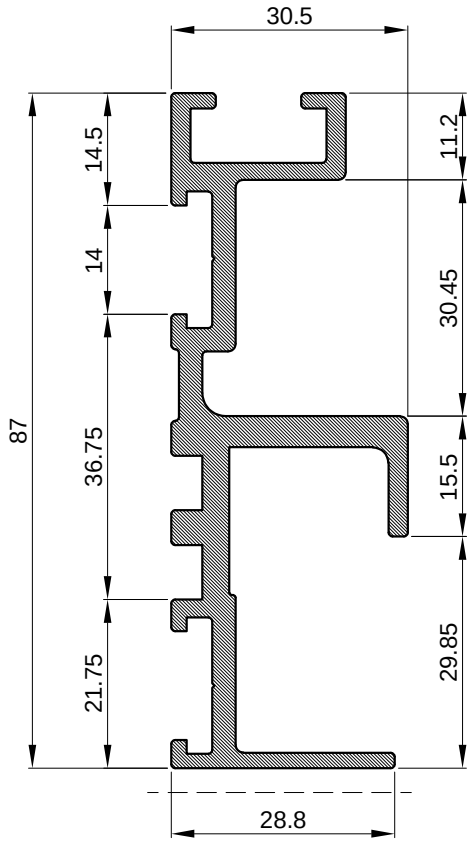
Profil za vodilicu		
Art.Br.	**F-1424**	
Težina	kg/m	0.306
Opseg	mm	109.7
Moment inercije	Ix (cm^4)	0.2943
	Iy (cm^4)	1.4932
	Wx (cm^3)	0.204
	Wy (cm^3)	0.621
L	mm	6500



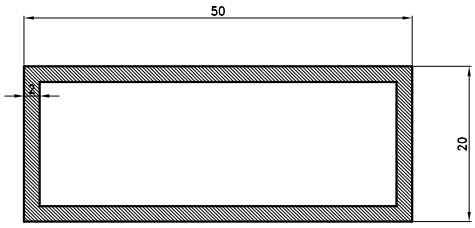
Osovinica stope		
Art.-Br.	**F-0021**	
Težina	kg/m	0.076
Opseg	mm	18.85
L	mm	6500



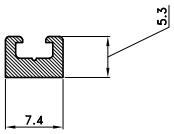
Profil dvostruke vodilice - mobilne stijene		
Art.Br.	**F-1504**	
Težina	kg/m	3.78
Opseg	mm	930.23
Moment inercije	Ix (cm^4)	107.9013
	Iy (cm^4)	142.6922
	Wx (cm^3)	24.069
	Wy (cm^3)	33.5746
L	mm	6500



Profil jednostruke vodilice - mobilne stijene		
Art.Br.	**F-1505**	
Težina	kg/m	1.64
Opseg	mm	411.71
Moment inercije	Ix (cm^4)	39.0411
	Iy (cm^4)	4.4727
	Wx (cm^3)	8.9729
	Wy (cm^3)	2.2055
L	mm	6500

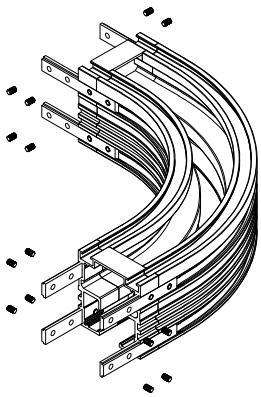
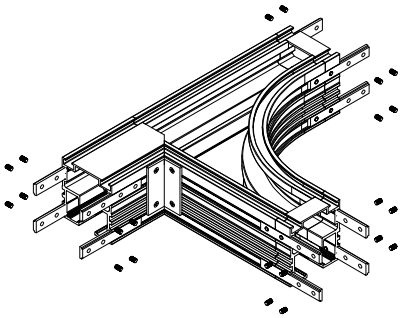
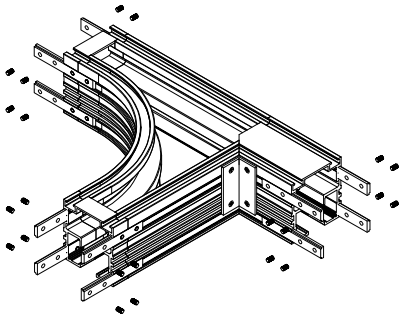
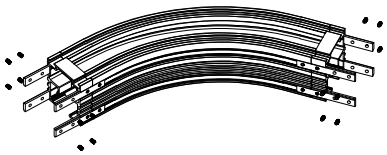


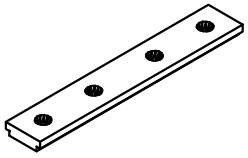
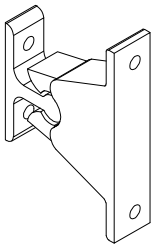
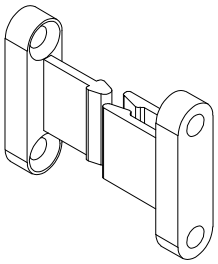
Profil za zidnu baglamu		
Art.Br.	**F-0198**	
Težina	kg/m	0.71
Opseg	mm	264
Moment inercije	Ix (cm^4)	1.7632
	Iy (cm^4)	1.7362
	Wx (cm^3)	7.8552
	Wy (cm^3)	3.142
L	mm	6500



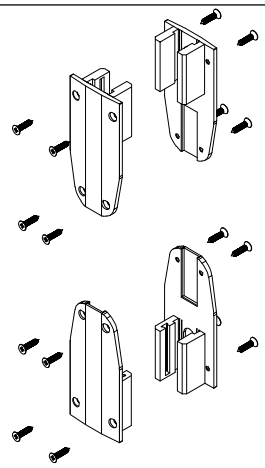
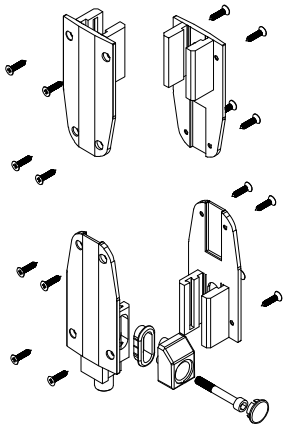
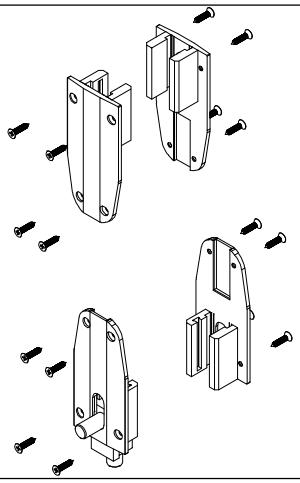
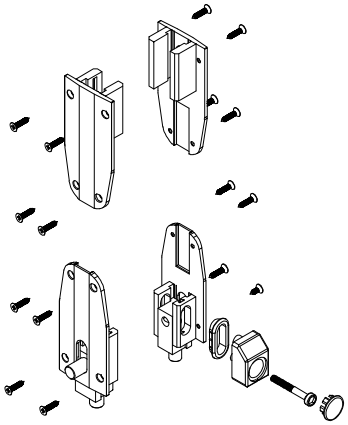
Profil za zidnu blaglamu		
Art.-Br.	**F-1357**	
Težina	kg/m	0.07
Opseg	mm	33.91
L	mm	6500

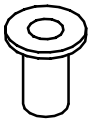
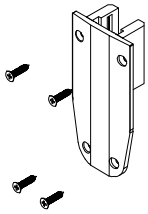
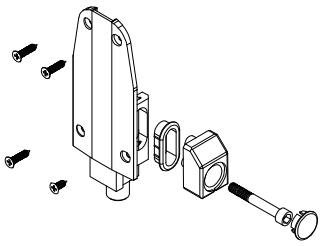
Vezni elementi

Oznaka		Opis	Materijal	Napomena
391.120		- Vodilica skretanja 90° - sklop	Al.	
391.121		- Vodilica račvanja lijevo - sklop	Al.	
391.122		- Vodilica račvanja desno - sklop	Al.	
391.161		- Vodilica skretanja 120° - sklop	Al.	

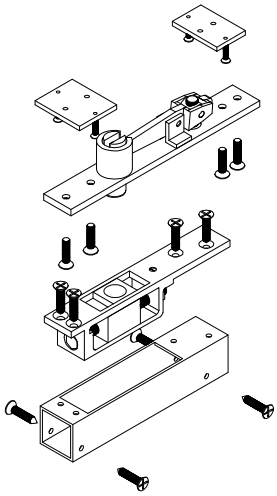
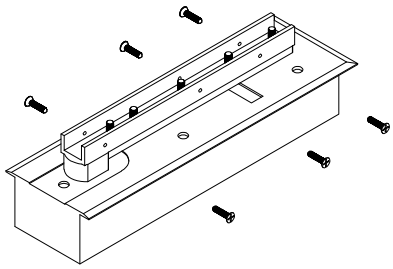
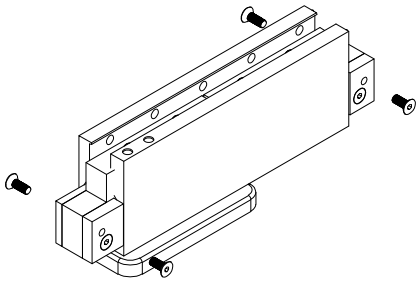
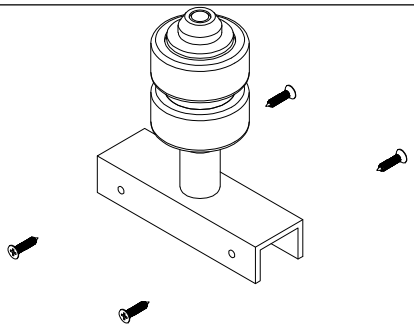
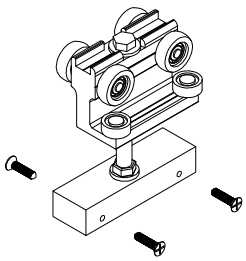
Oznaka	Izgled-presjek	Opis	Materijal	Napomena
391.019		- Pločica (100x17x5)	Al.	
390.023		- Osovina Ø7/23	Inox	
724.021		- Držač - Oznaka dobavljača Schachermayer: 102283256	Kromirani Zamak	
724.022		- PVC držač krila - oznaka dobavljača SIEGENIA: PMZG0020-012010	PVC	

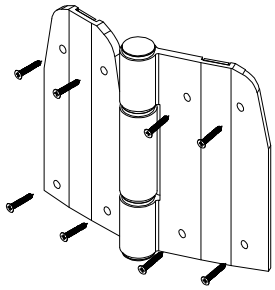
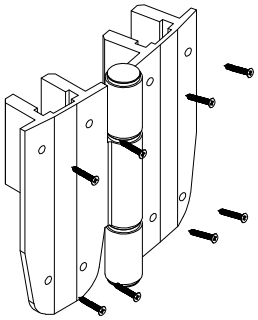
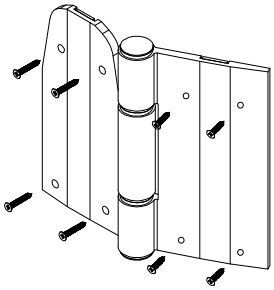
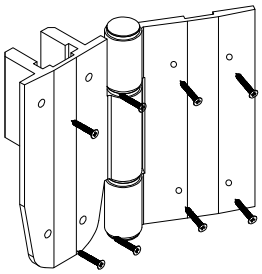
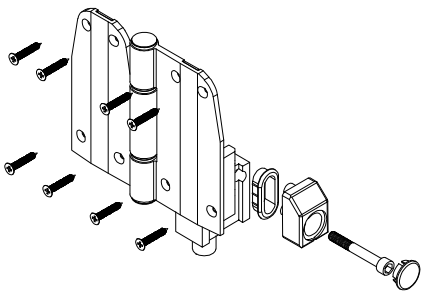
PVC elementi

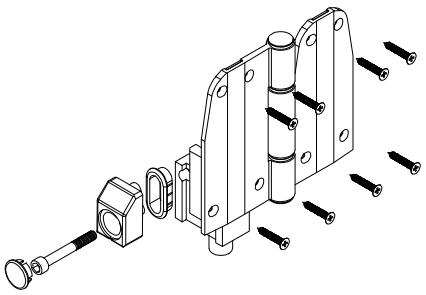
Oznaka		Opis	Materijal	Napomena
301.039.01 .02 .03		- Set umetaka s vijcima za mimokretna vrata - Boje: 01- bijela; 02 - siva;03 - crna	PVC	
301.040.01 .02 .03		- Set umetaka s vijcima prvog kliznog krila MF-45 - Boje: 01- bijela; 02 - siva;03 - crna	PVC	
301.041.01 .02 .03		- Set umetaka s vijcima srednjeg kliznog krila MF-45 - Boje: 01- bijela; 02 - siva;03 - crna	PVC	
301.042.01 .02 .03		- Set umetaka s vijcima zadnjeg kliznog krila MF-45 - Boje: 01- bijela; 02 - siva;03 - crna	PVC	

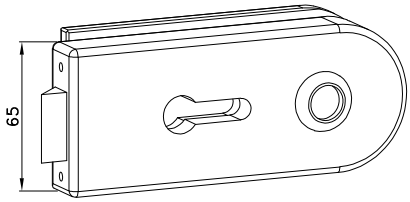
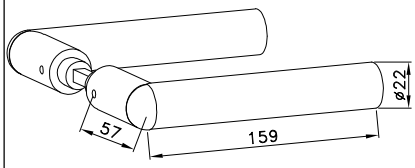
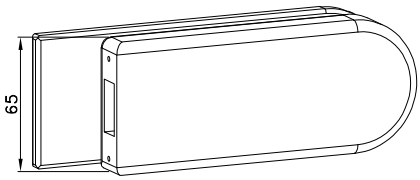
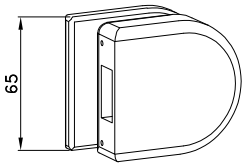
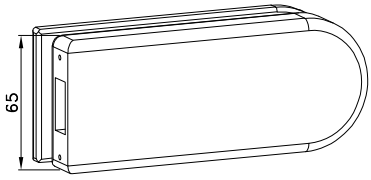
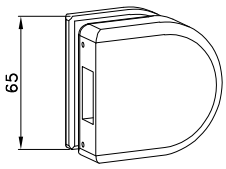
Oznaka	Izgled-presjek	Opis	Materijal	Napomena
375.049		- Poliamidna čahura manja L=12.5 mm	PA 66	
301.043.01 .02 .03		- Umetak zatvoreni-MF-45 - Boje: 01- bijela; 02 - siva;03 - crna	PVC	
301.044.01 .02 .03		- Čep zatvoreni - Boje: 01- bijela; 02 - siva;03 - crna	PVC	
301.046		- Odstojnik za krila - set		

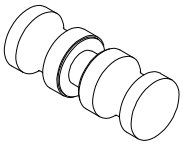
Mehanizmi

Oznaka	Izgled-presjek	Opis	Materijal	Napomena
146.007		- Sklop gornjeg mehanizma mimokretnih vrata MF 45	-	
146.008		- Automat u podu mimokretnih vrata MF 45	-	
140.072		- Automat u krilu mimokretnih vrata s vijcima MF 45 - set	-	
140.065		- Kotač kliznog krila s vijcima - set	-	
521.212		- Aluminijski sklop kolica za MF-45	-	

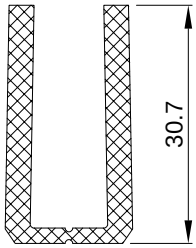
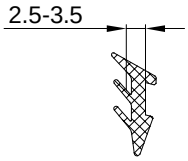
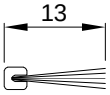
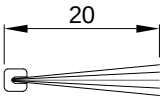
Oznaka	Izgled-presjek	Opis	Materijal	Napomena
111.016		- Međukrilna šarka Tip A	-	Dostupna površinska obrada prema ELOX karti
111.017		- Međukrilna šarka Tip B	-	Dostupna površinska obrada prema ELOX karti
111.018		- Šarka između zida i vrata Tip A	-	Dostupna površinska obrada prema ELOX karti
111.019		- Šarka između zida i vrata Tip B	-	Dostupna površinska obrada prema ELOX karti
111.020		- Međukrilna šarka Tip C	-	Dostupna površinska obrada prema ELOX karti

Oznaka	Izgled-presjek	Opis	Materijal	Napomena
111.021		- Međukrilna šarka Tip D	-	Dostupna površinska obrada prema ELOX karti

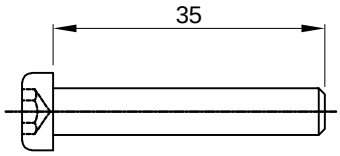
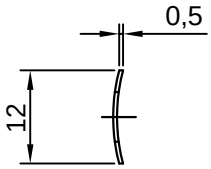
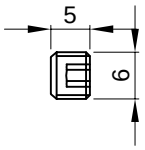
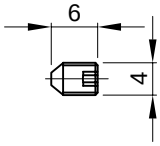
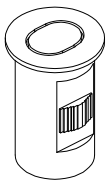
Oznaka	Izgled-presjek	Opis	Materijal	Napomena
120.008		- Brava za staklena vrata	-	
120.009		- Ručka za staklena vrata	-	
120.010		- Prihvatnik brave za staklena vrata - Otvaranja 90° - Tip otvaranja 2	-	
120.011		- Prihvatnik brave za staklena vrata (mali) - Otvaranje 180° -Tip otvaranje 1,3,4	-	
120.014		- Prihvatnik brave za staklena vrata - Otvaranje 180° - Tip otvaranja 2	-	
120.015		- Prihvatnik brave za staklena vrata (mali) - Otvaranje 90° - Tip otvaranje 2	-	

Oznaka	Izgled-presjek	Opis	Materijal	Napomena
100.013		- Ručka za staklena vrata s vijcima - Oznaka dobavljača: 102232034	Kromirani mesing	

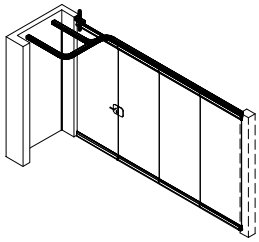
Brtvila

Oznaka	Izgled-presjek	Opis	Materijal	Napomena
344.070		- Brtva u stopi mobilne stijene	TPE	83
318.001		- Brtva prema staklu-unutarnja (3mm)	EPDM	75
347.008		- Četkasta brtva 13mm, (A=2.9, B=2.9), crna - Oznaka dobavljača Schlegel Giesse: 2K120288006	PP	
347.010		- Četkasta brtva 20 mm, (A=2.9, B=2.9), crna - Oznaka dobavljača: 2K144288	PP	
314.001		- Brtva u profilu rama - Stara oznaka Z-10	TPE	65

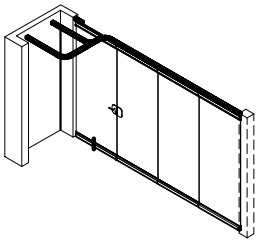
Dodaci

Oznaka	Izgled-presjek	Opis	Materijal	Napomena
431.914		- M6x35 DIN 912	Inox	
432.013		- Matica M6 DIN 985	Inox	
432.128		- Podloška M6 DIN 137 B	-	
431.737		- M6x5 DIN 913	Inox	
431.314		- M4x6 DIN 914	Inox	
120.013		- Podna čahura za osovinu Ø8.5x11.5 mm - Oznaka dobavljača Schachermayer: 102224620	Pocinčani čelik	

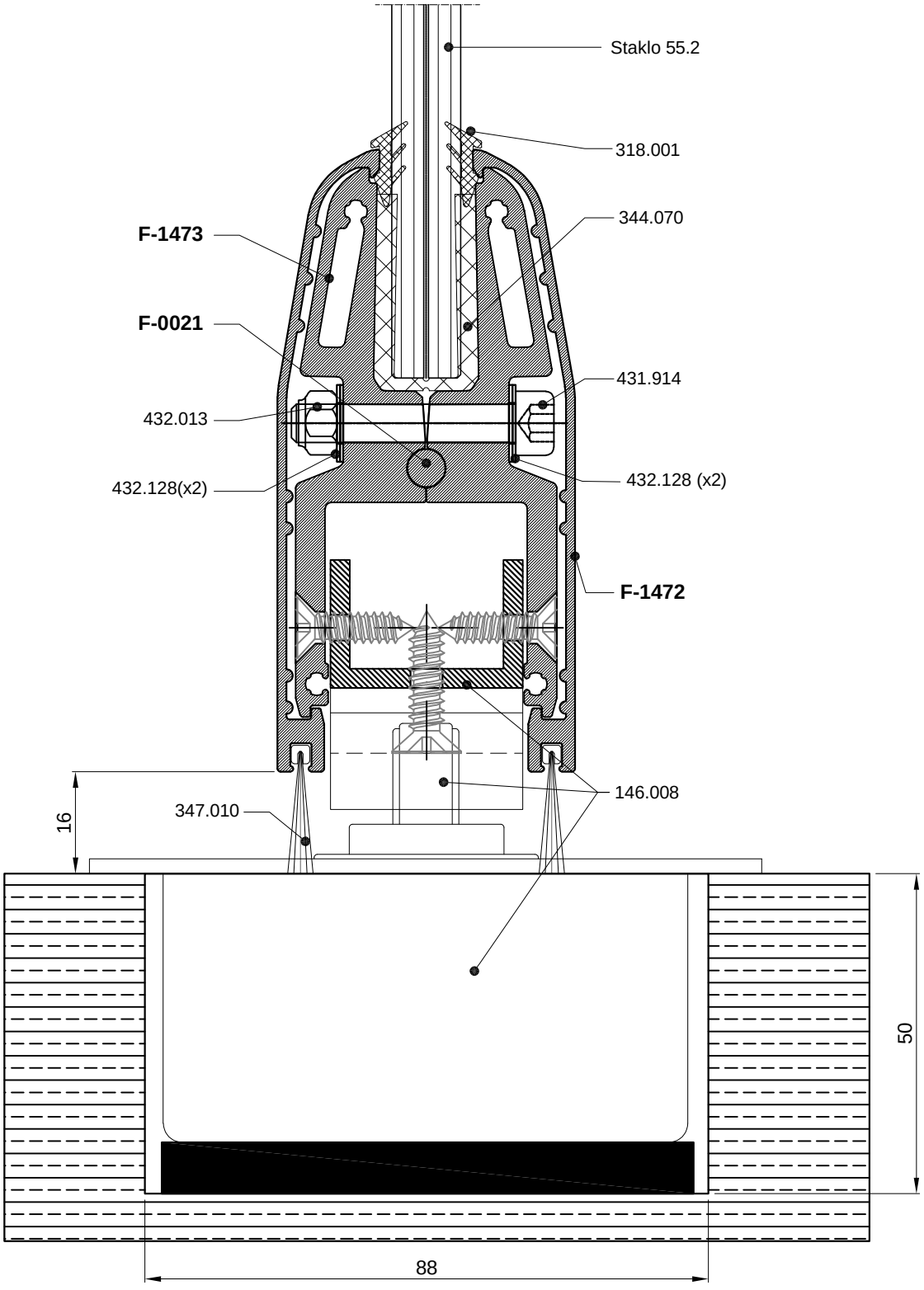
Presjeci

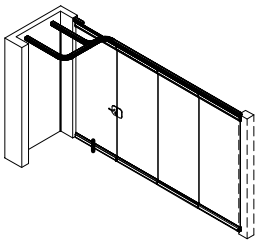


Mimokretna vrata presjek gore

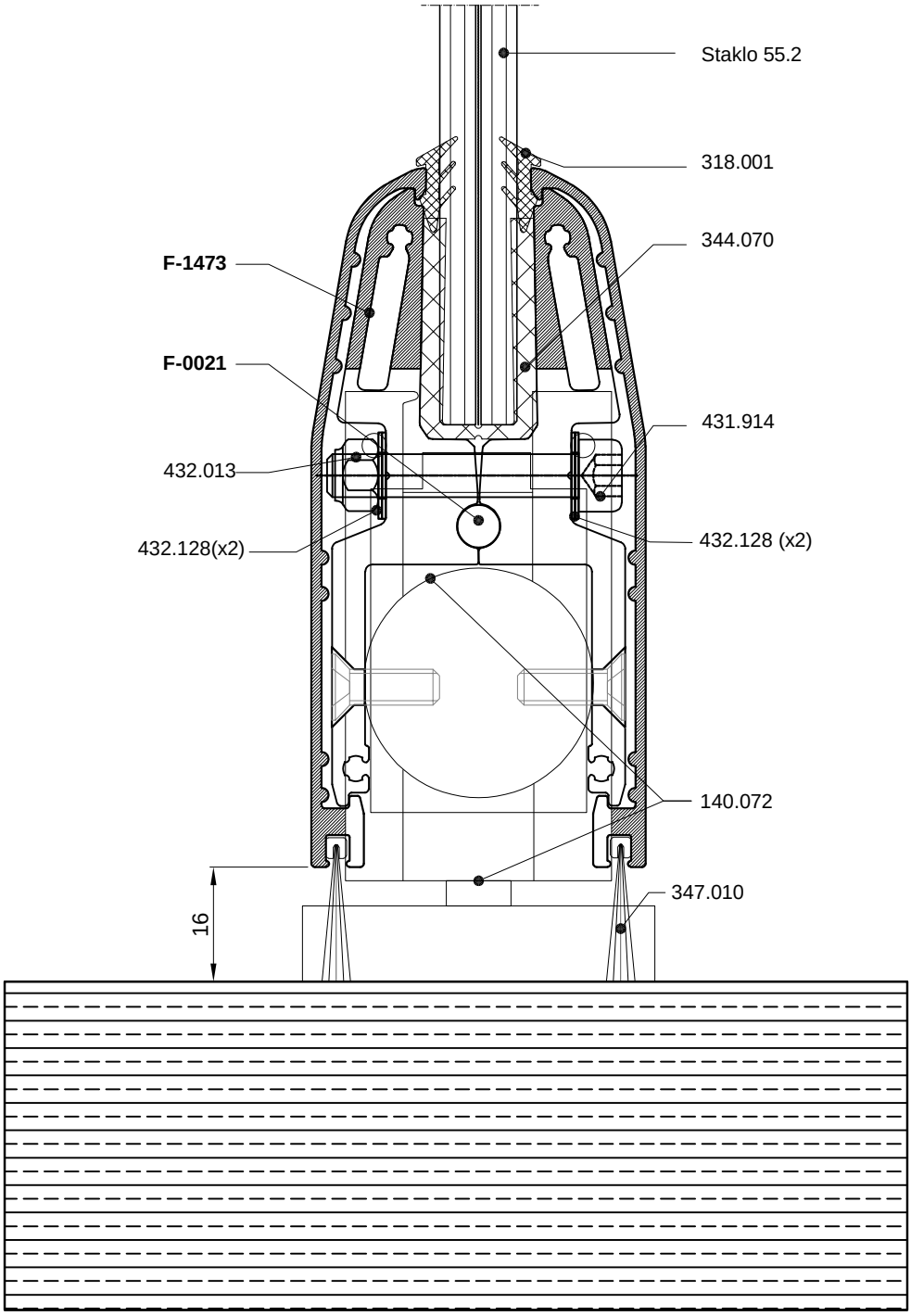


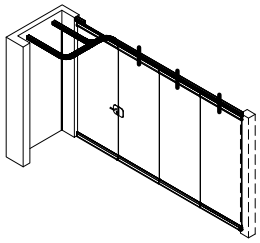
Mimokretna vrata presjek dolje
automat u podu - 146.008



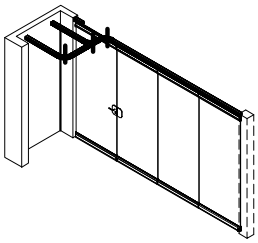


Mimokretna vrata presjek dolje
automat u krilu - 140.072

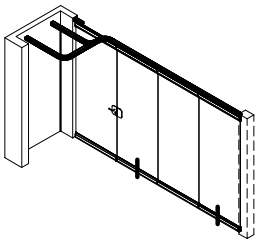




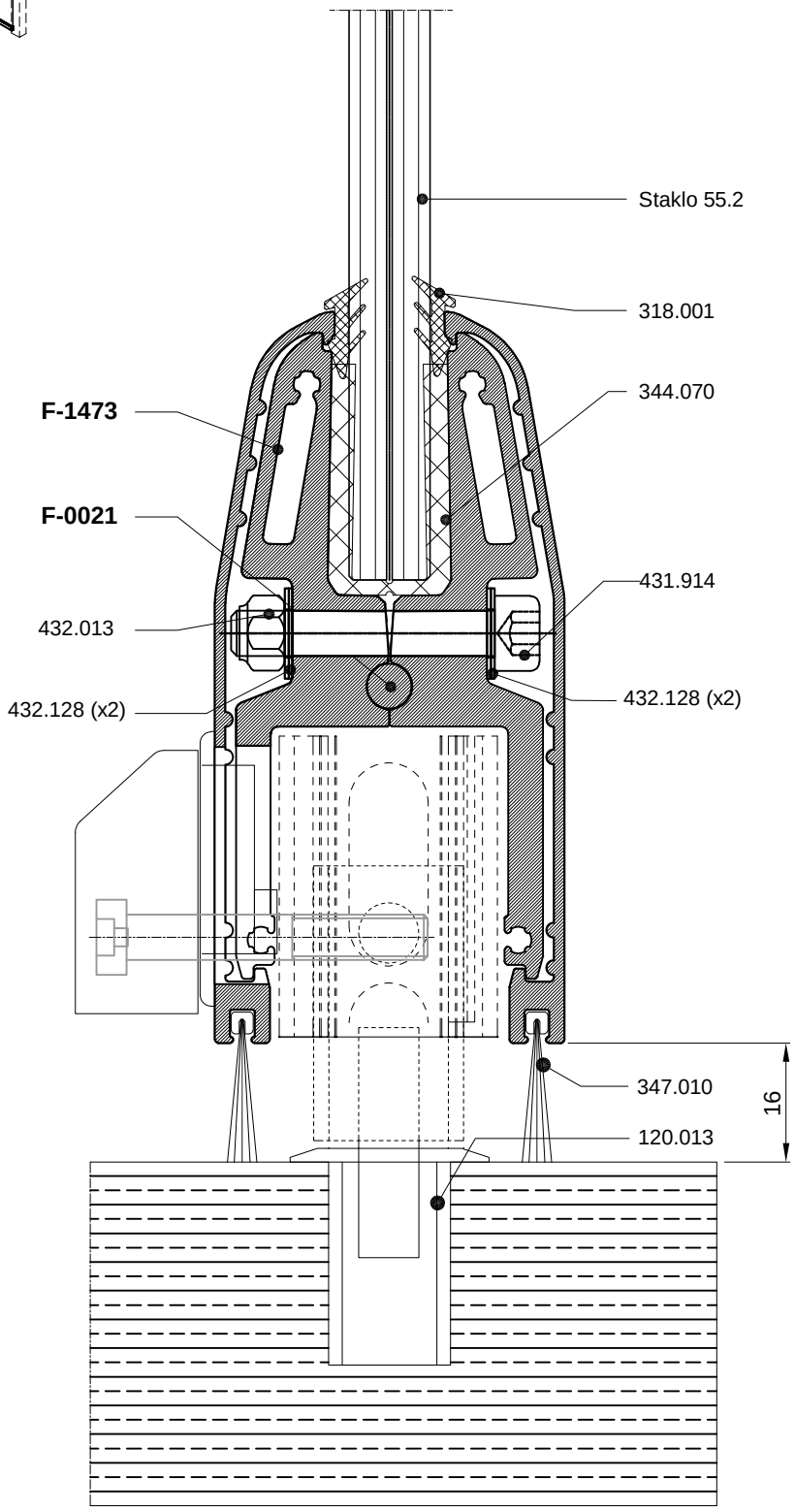
Klizna vrata presjek gore

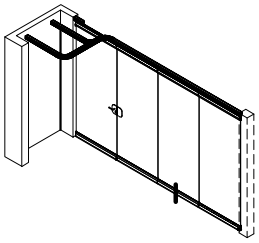


Presjek gore skretanja

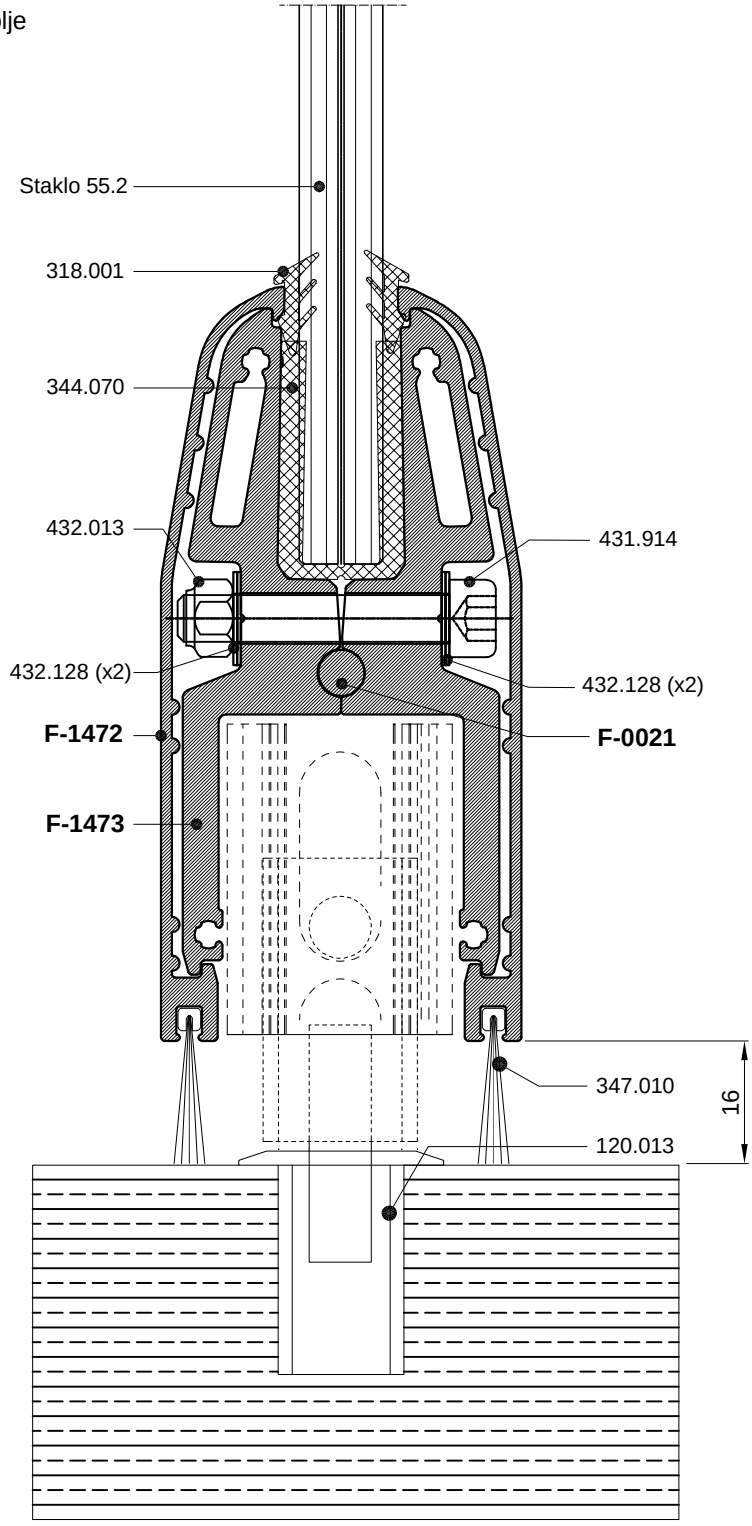


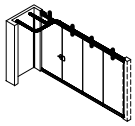
Klizna krila prvo i zadnje
presjek - dolje



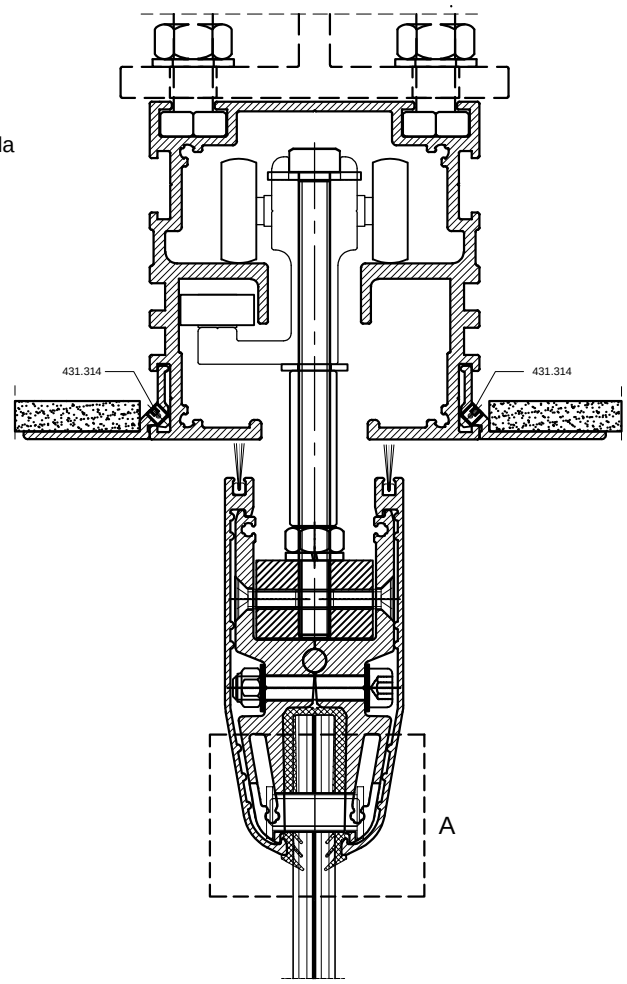


Srednja klizna krila presjek - dolje

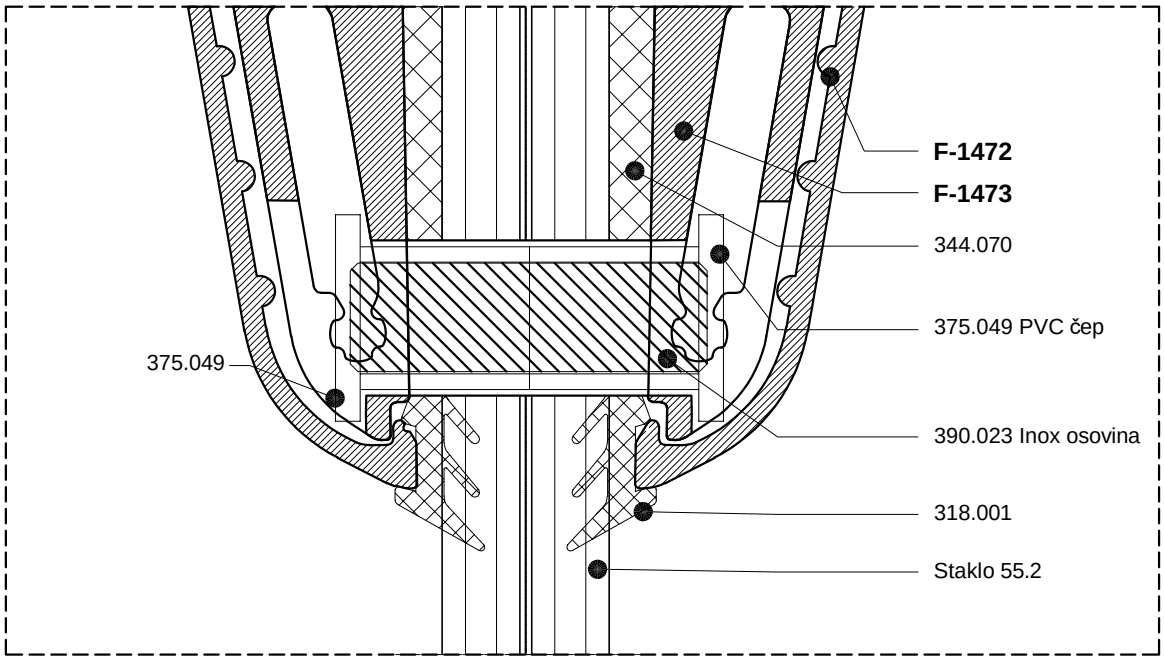




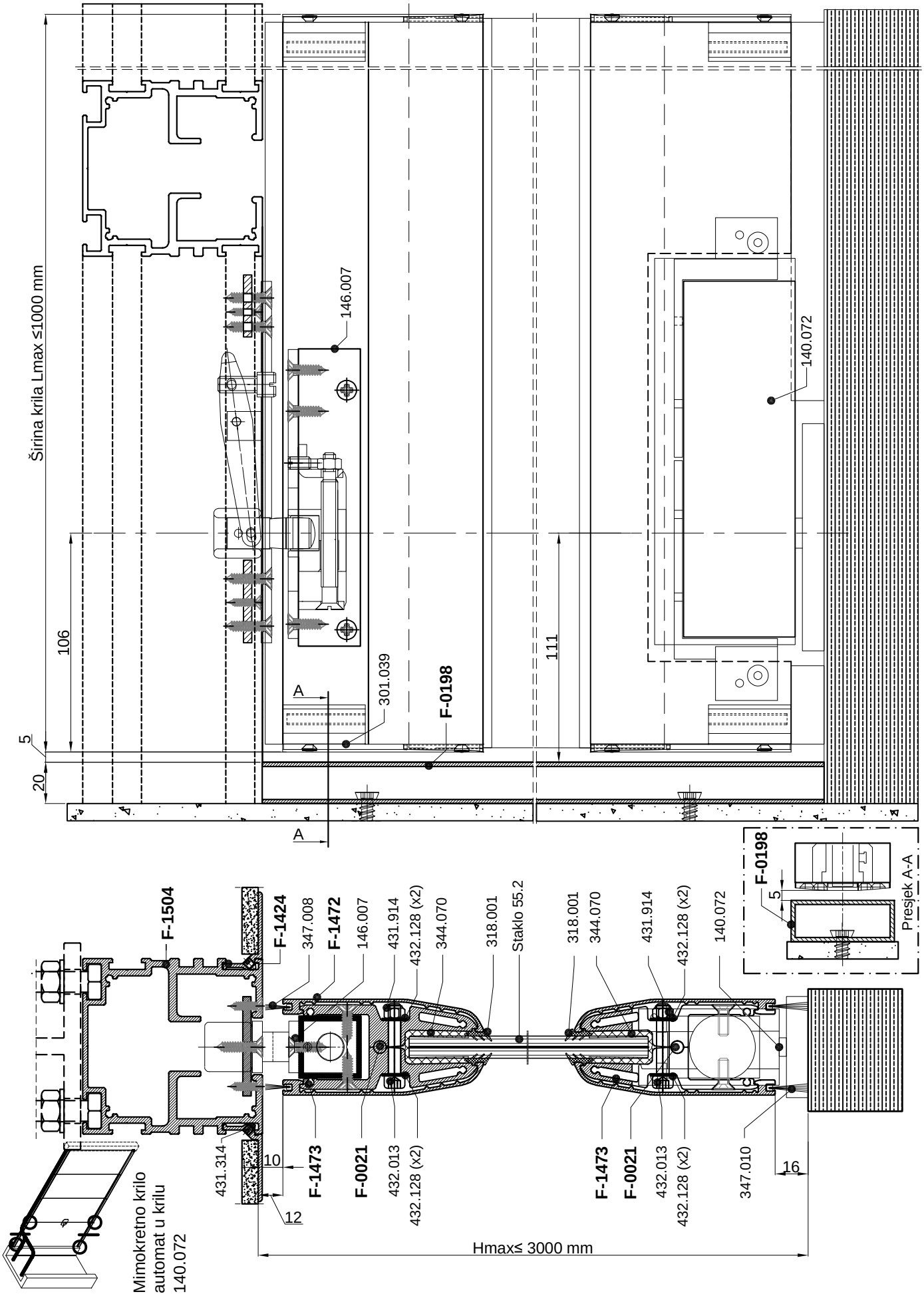
Osiguranje stakla za težine stakla
veće od 70 kg

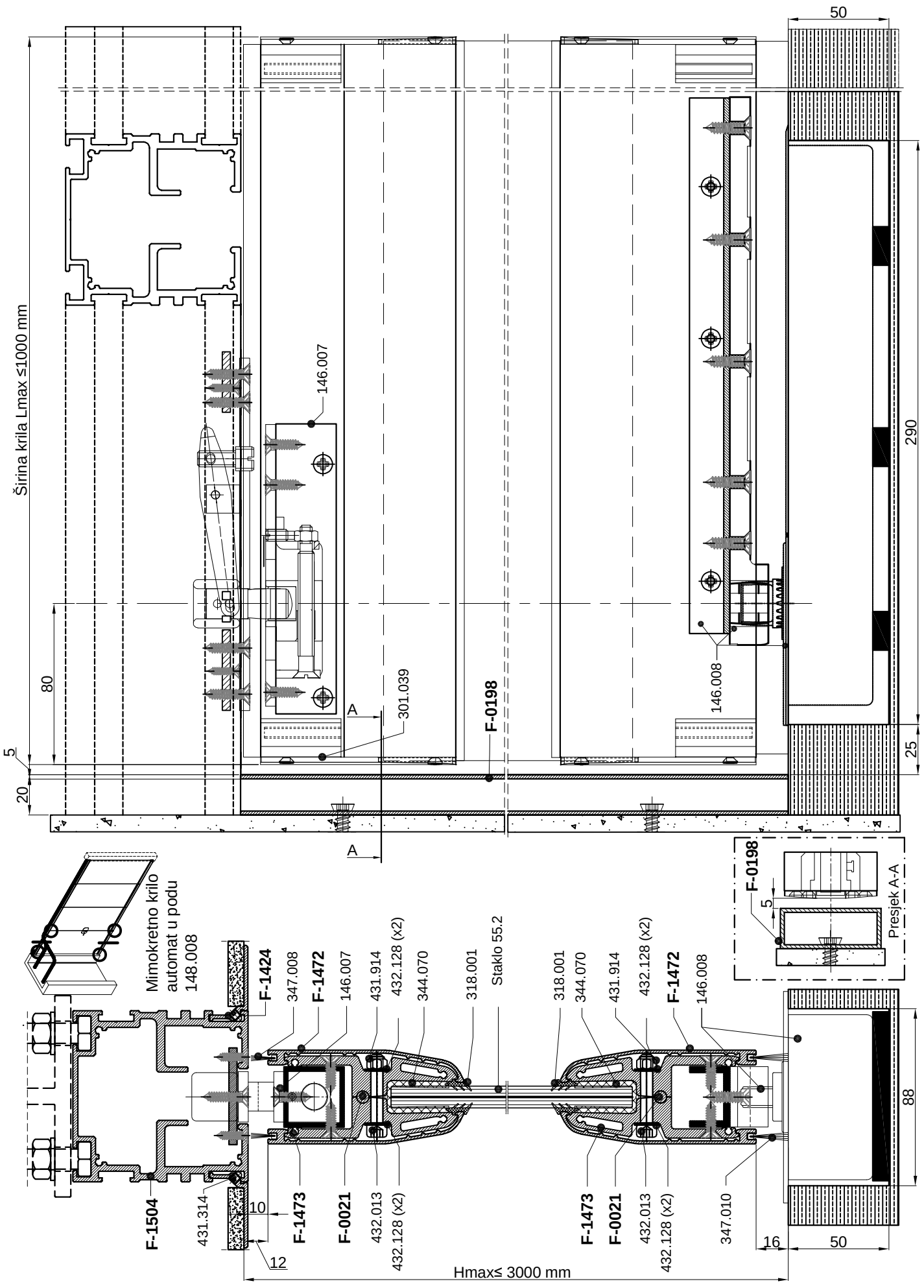


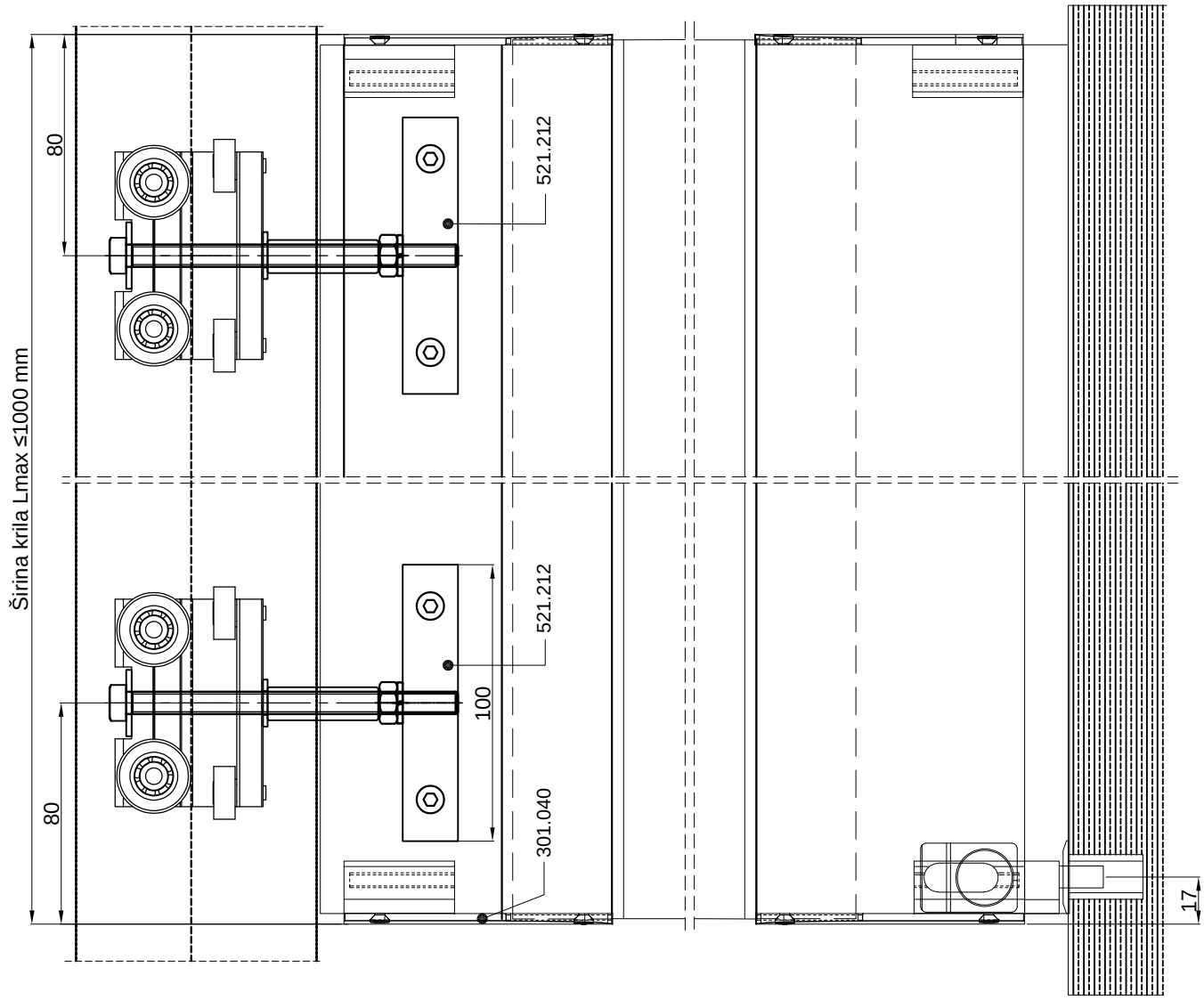
Detalj A

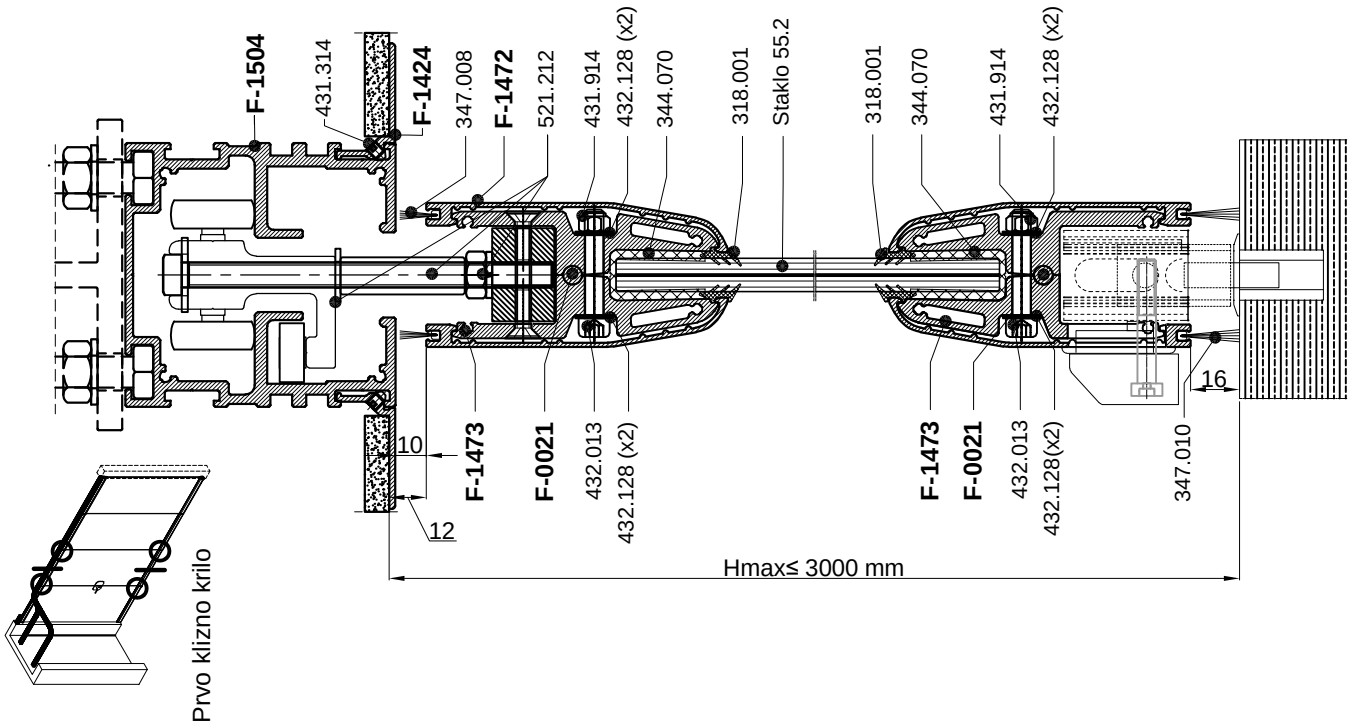


Inox osovina za osiguranje od ispadanja stakla

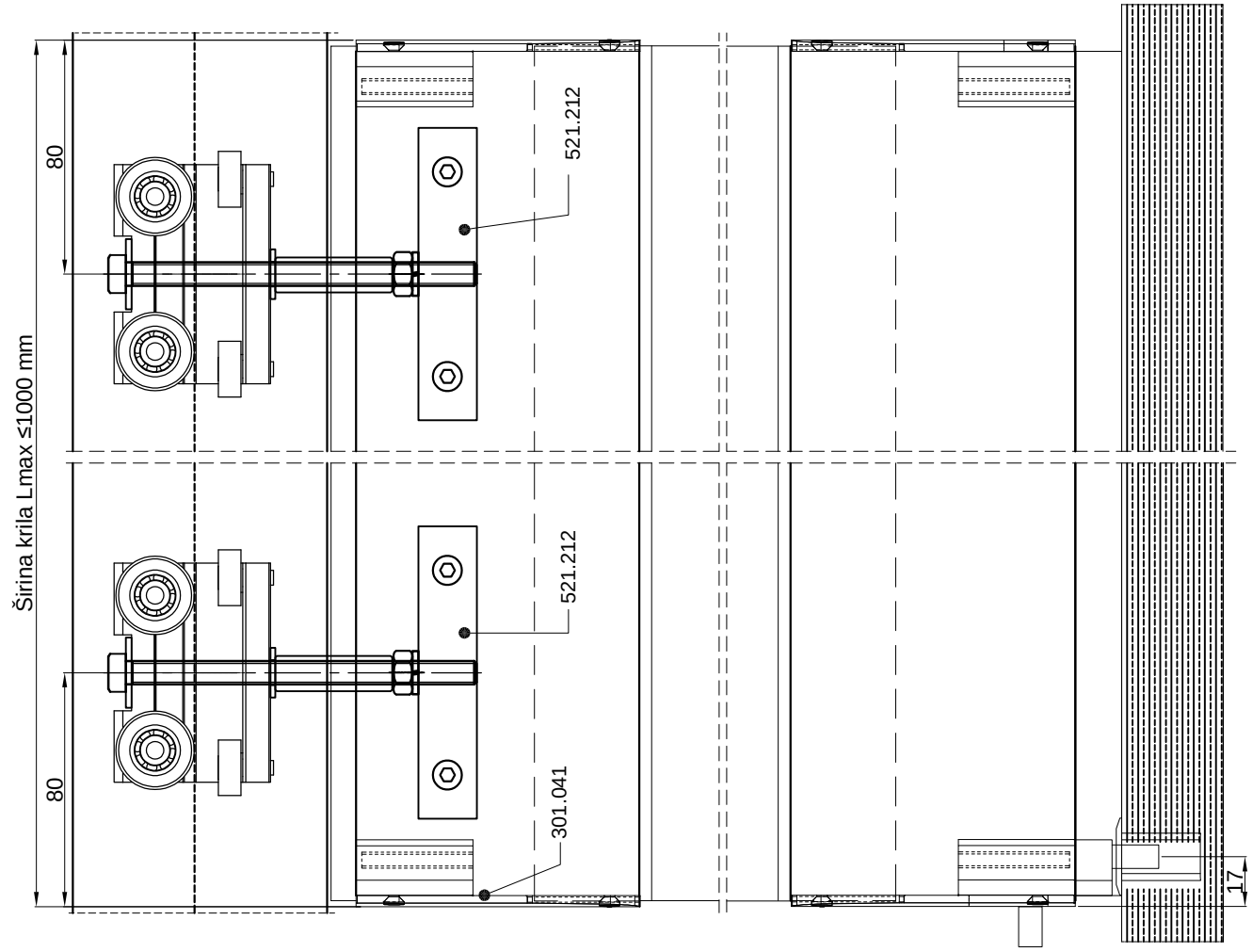

Širina krila Lmax ≤1000 mm
146.007
140.072
106
111
5
20
A
301.039
F-0198
A
F-0198
5
Presjek A-A
F-1504
F-1424
347.008
F-1472
146.007
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
140.072
431.314
10
F-1473
F-0021
432.013
432.128 (x2)
12
F-1473
F-0021
432.013
432.128 (x2)
347.010
16
Hmax≤ 3000 mm
Mimokretno krilo
automat u krilu
140.072

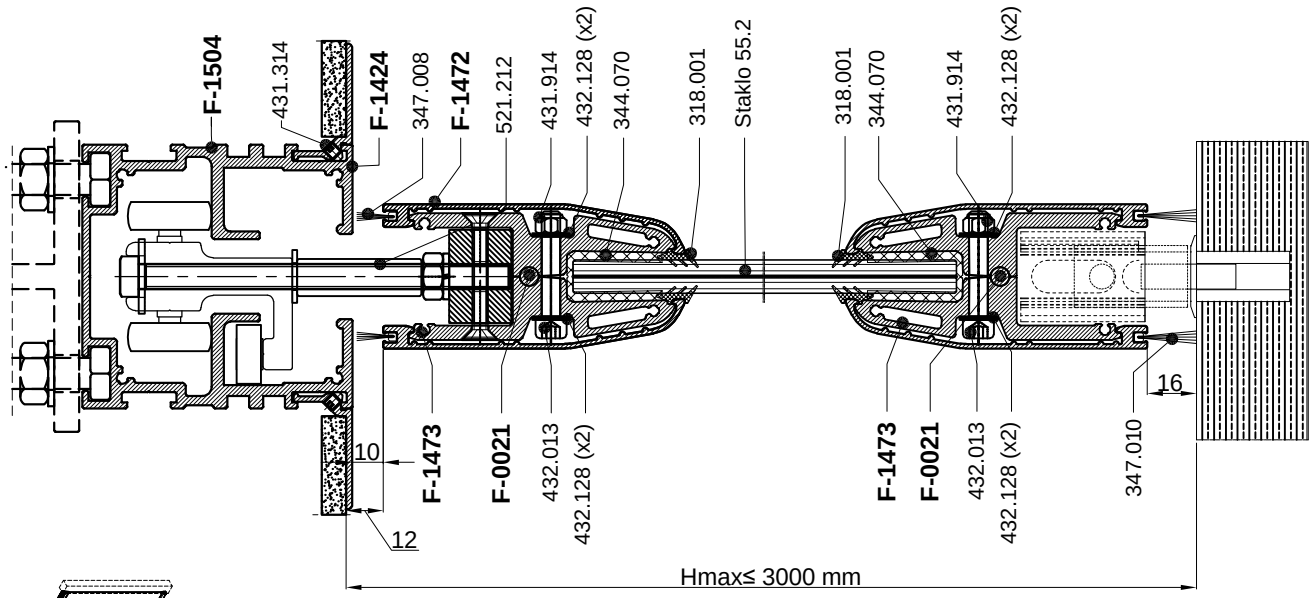

50
Širina krila Lmax ≤1000 mm
146.007
290
80
5
20
A
301.039
F-0198
146.008
25
A
F-0198
5
Presjek A-A
Mimokretno krilo
automat u podu
148.008
F-1424
347.008
F-1472
146.007
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
F-1472
146.008
88
F-1504
431.314
10
F-1473
F-0021
432.013
432.128 (x2)
F-1473
F-0021
432.013
432.128 (x2)
347.010
16
50
12
Hmax≤ 3000 mm

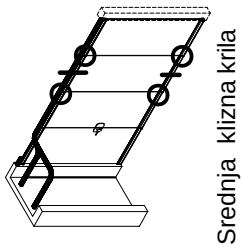

Širina krila Lmax ≤1000 mm
80
80
521.212
521.212
100
301.040
17

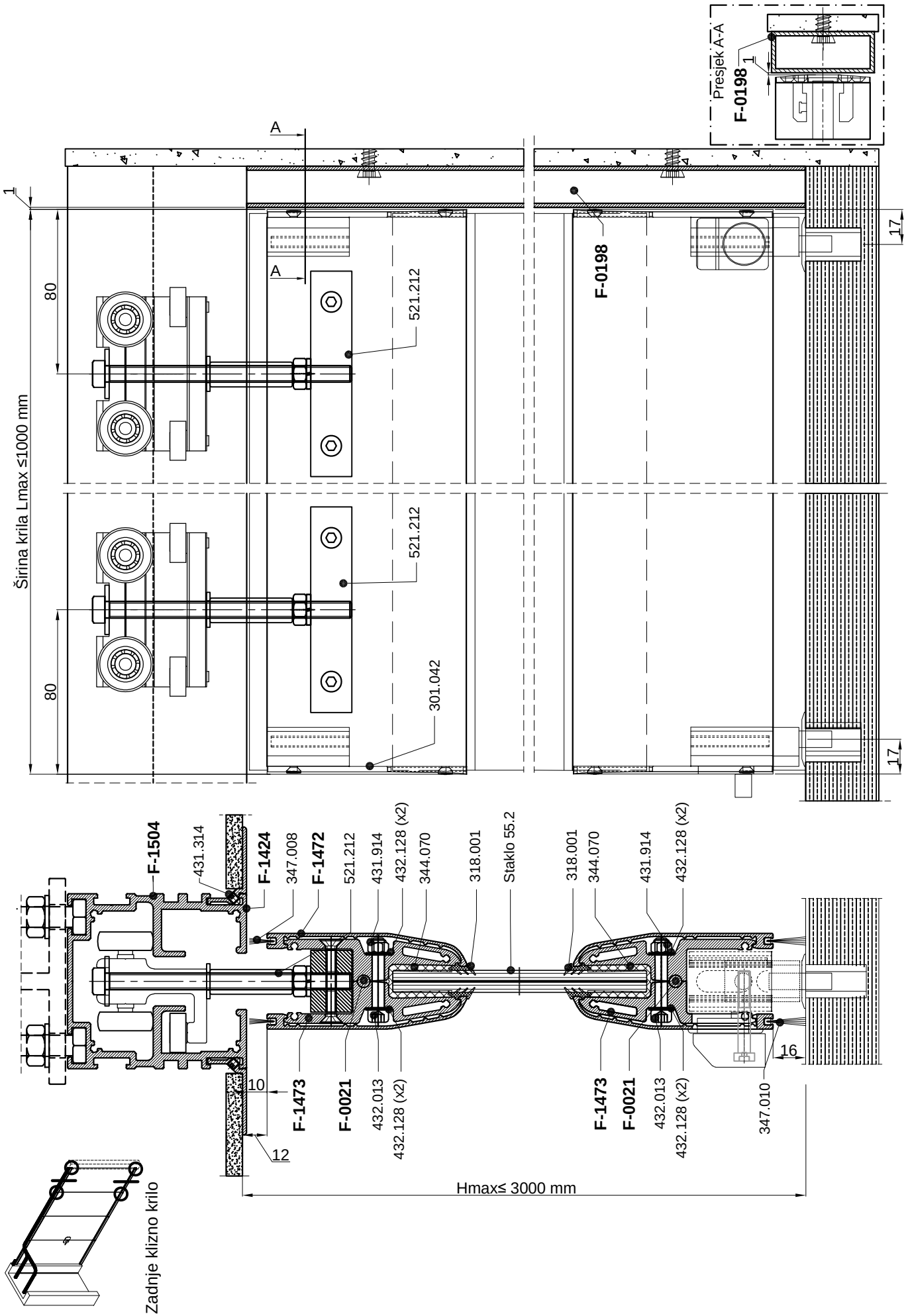

F-1504
431.314
F-1424
347.008
F-1472
521.212
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
16
10
12
F-1473
F-0021
432.013
432.128 (x2)
F-1473
F-0021
432.013
432.128(x2)
347.010
Hmax≤ 3000 mm

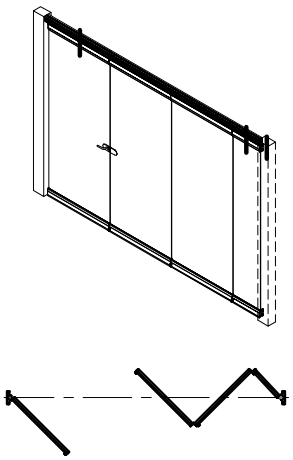
Prvo klizno krilo


Širina krila Lmax ≤1000 mm
80
80
521.212
521.212
301.041
17

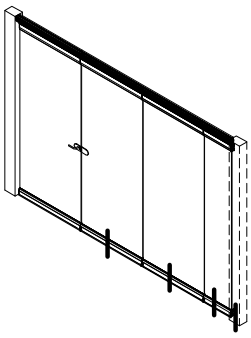

F-1504
431.314
F-1424
347.008
F-1472
521.212
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
16
10
12
F-1473
F-0021
432.013
432.128 (x2)
F-1473
F-0021
432.013
432.128 (x2)
347.010
Hmax≤ 3000 mm

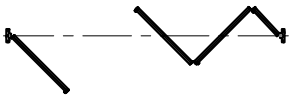

Srednja klizna krila


Presjek A-A
F-0198
1
A
A
1
80
80
Širina krila Lmax ≤1000 mm
521.212
521.212
301.042
F-0198
17
17
F-1504
431.314
F-1424
347.008
F-1472
521.212
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
16
10
12
F-1473
F-0021
432.013
432.128 (x2)
F-1473
F-0021
432.013
432.128 (x2)
347.010
Hmax≤ 3000 mm
Zadnje klizno krilo

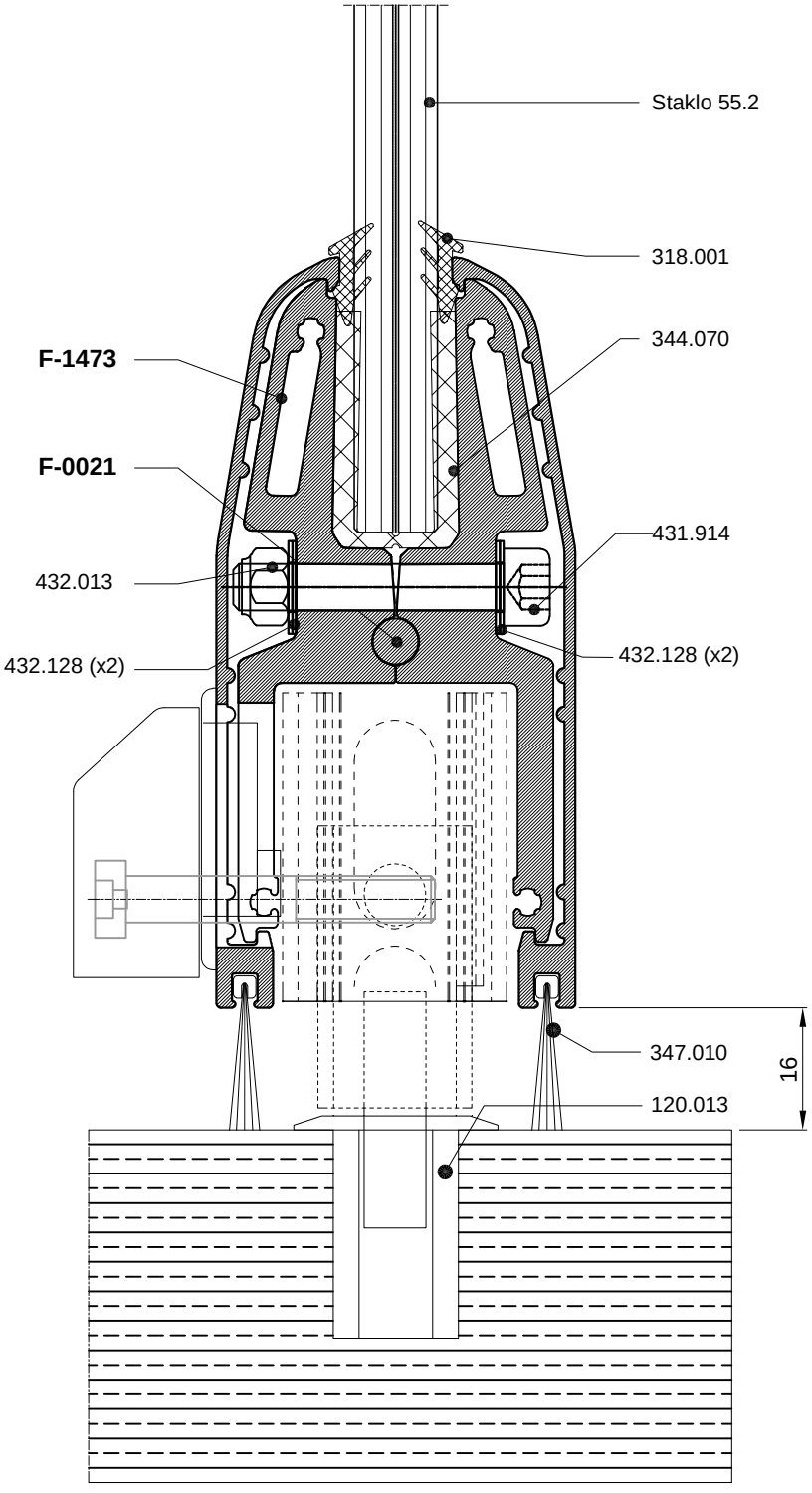


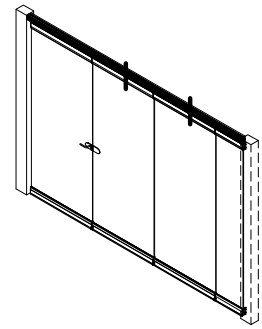
Krajnja krila presjek gore

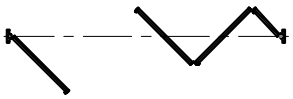




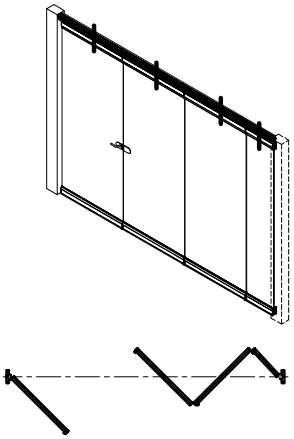
Krila presjek - dolje



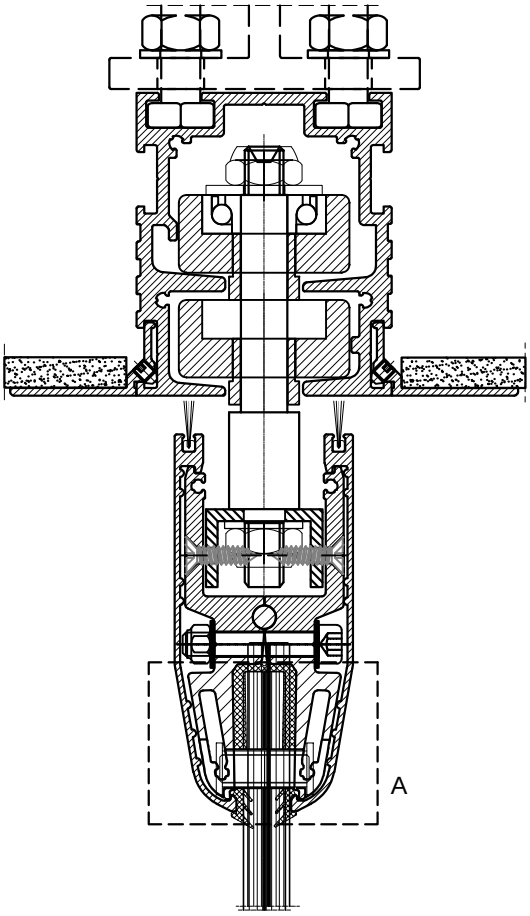




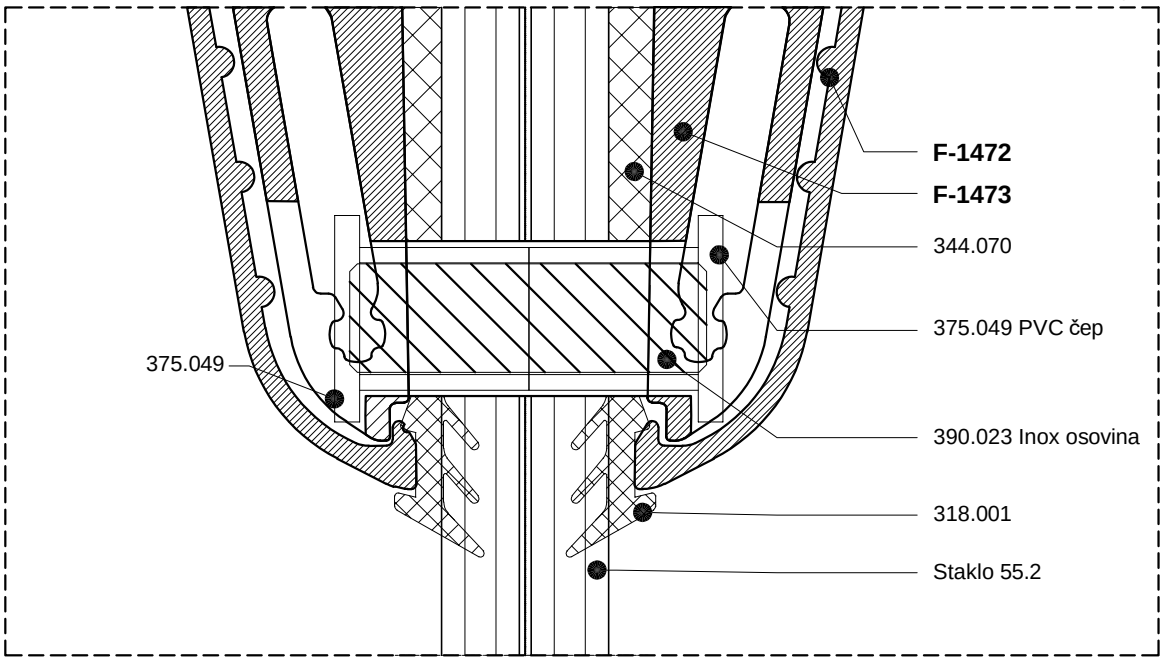
Srednja krila presjek gore



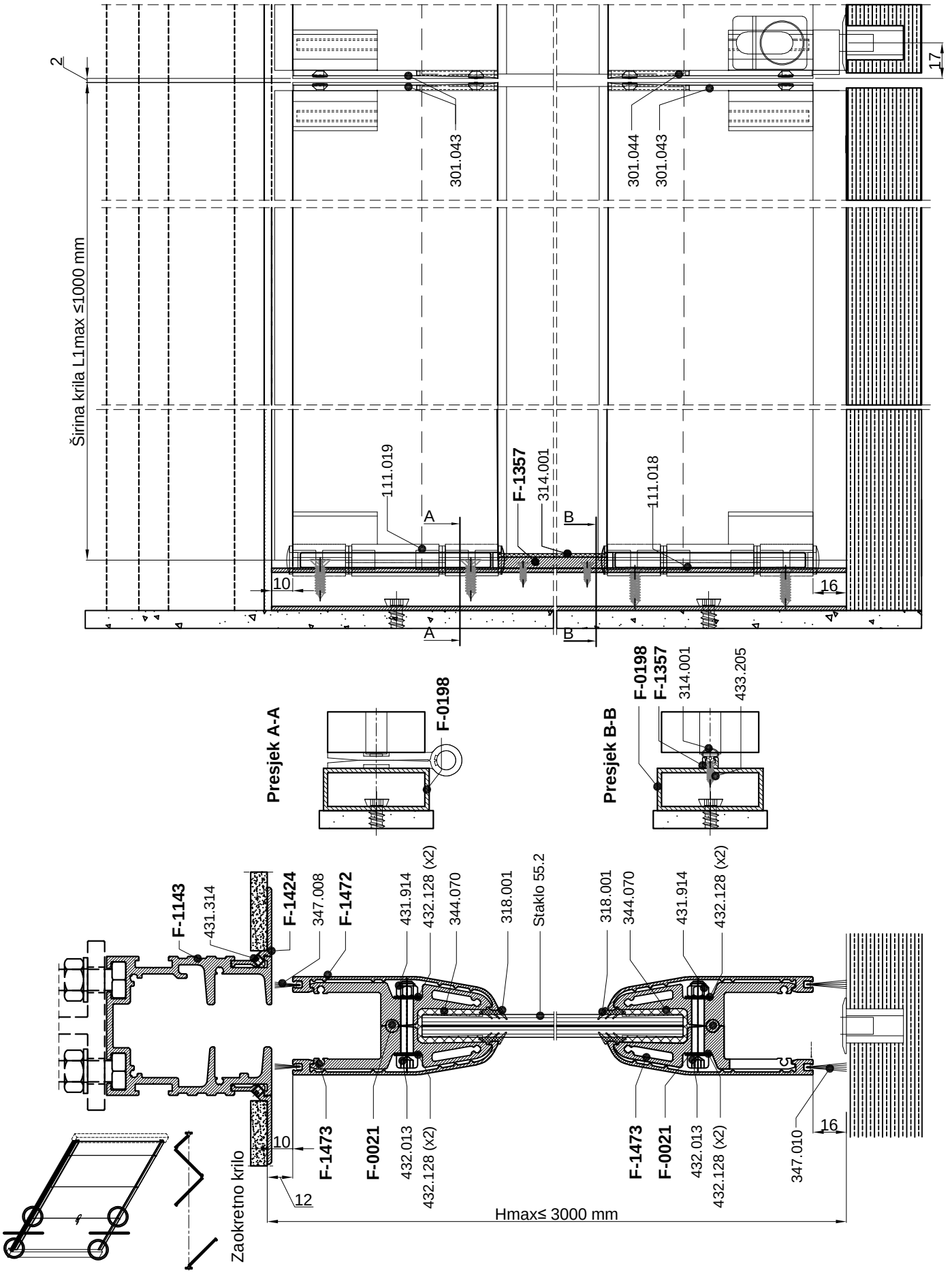
Krila presjek gore
za krila teža od 70 kg

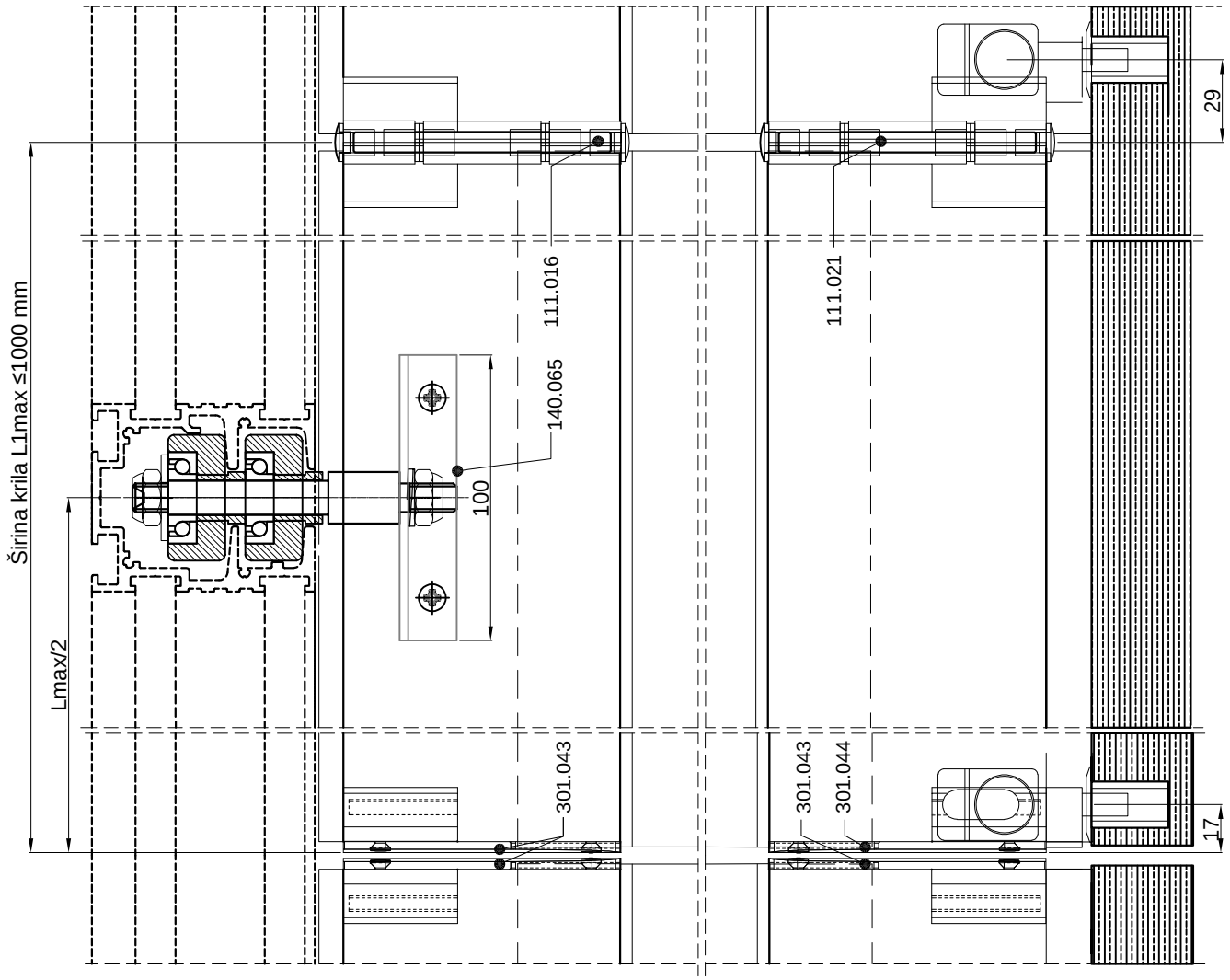


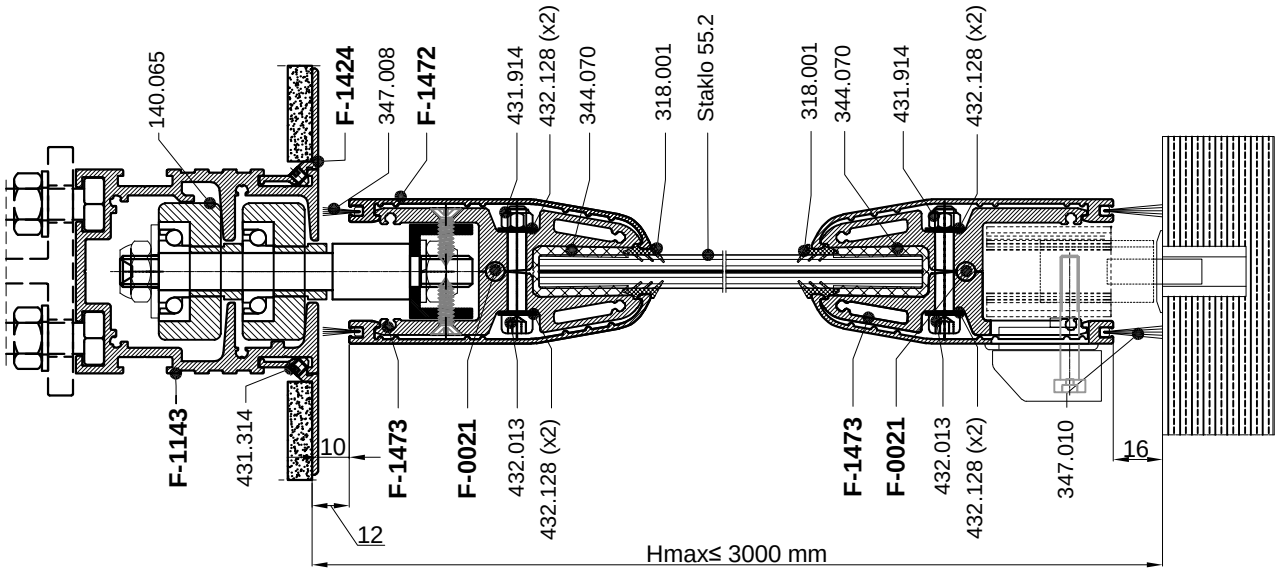
Detalj A

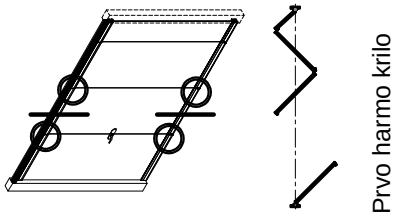


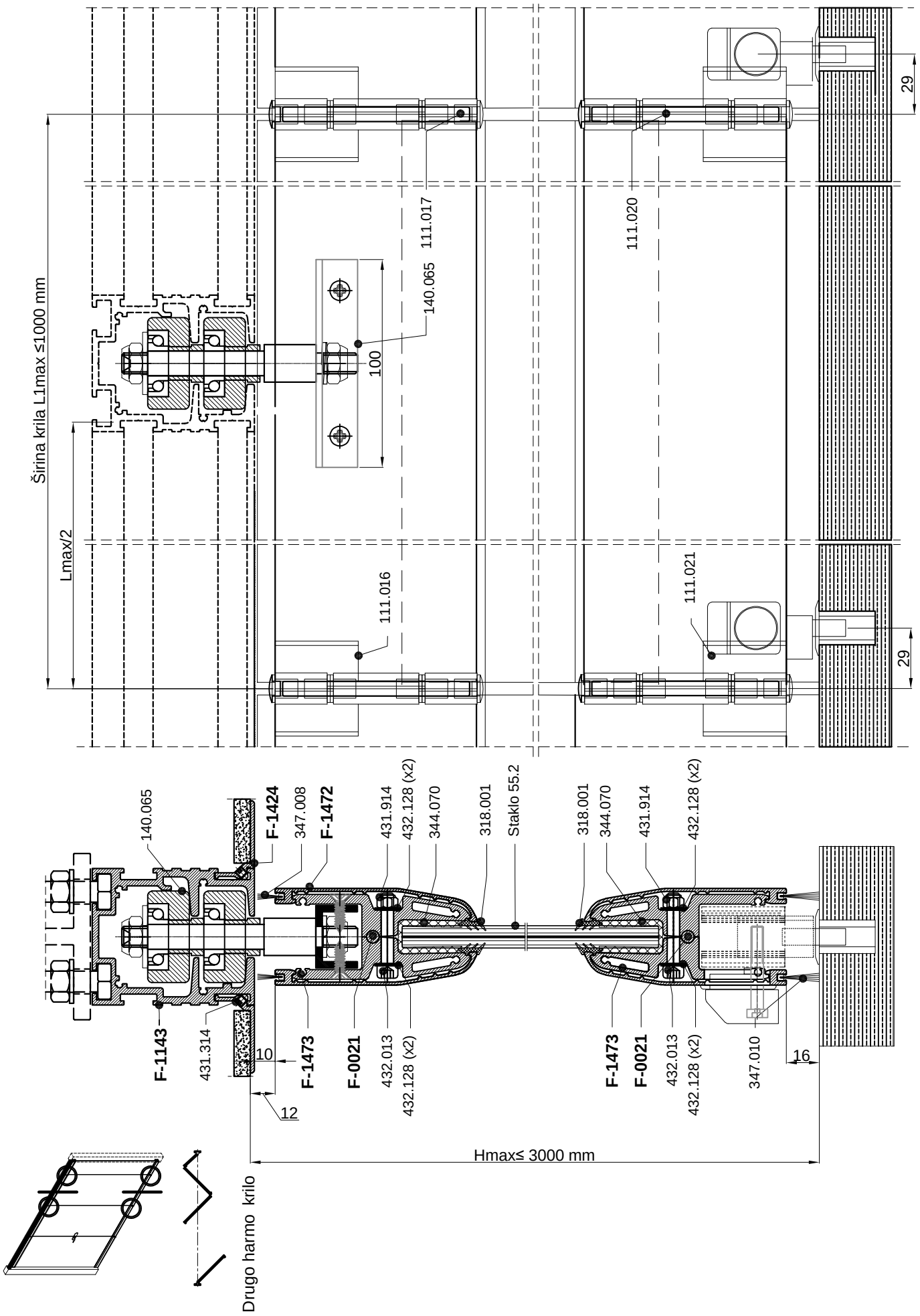
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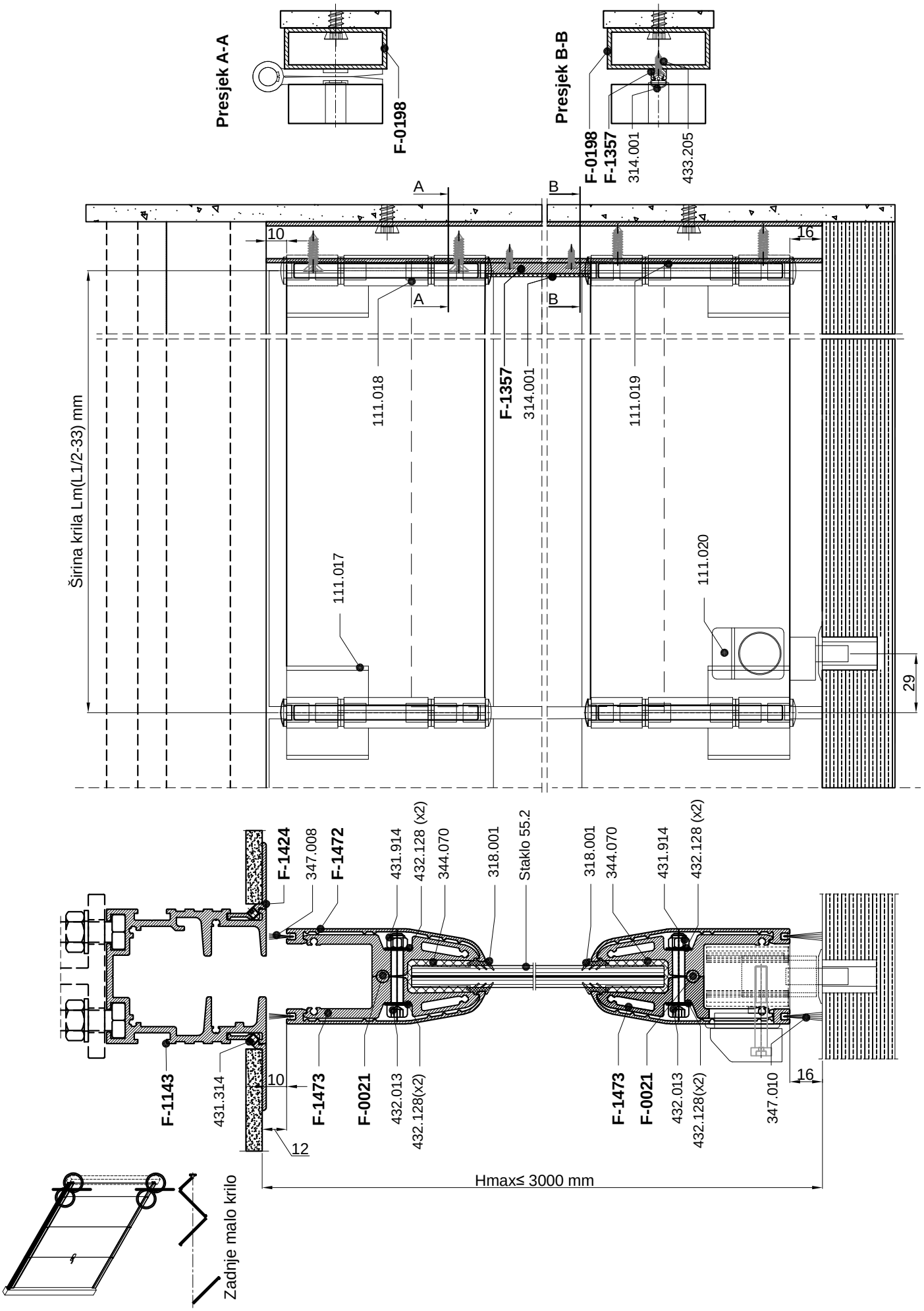

2
17
301.043
301.044
301.043
Širina krila L1max ≤1000 mm
111.019
A
F-1357
314.001
B
111.018
10
16
A
B
Presjek A-A
F-0198
Presjek B-B
F-0198
F-1357
314.001
433.205
F-1143
431.314
F-1424
347.008
F-1472
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
F-1473
F-0021
432.013
432.128 (x2)
10
12
Zaokretno krilo
Hmax≤ 3000 mm
F-1473
F-0021
432.013
432.128 (x2)
347.010
16


Širina krila L1max ≤1000 mm
Lmax/2
111.016
111.021
140.065
100
29
17
301.043
301.043
301.044


140.065
F-1424
347.008
F-1472
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
F-1143
431.314
10
F-1473
F-0021
432.013
432.128 (x2)
12
F-1473
F-0021
432.013
432.128 (x2)
347.010
16
Hmax≤ 3000 mm

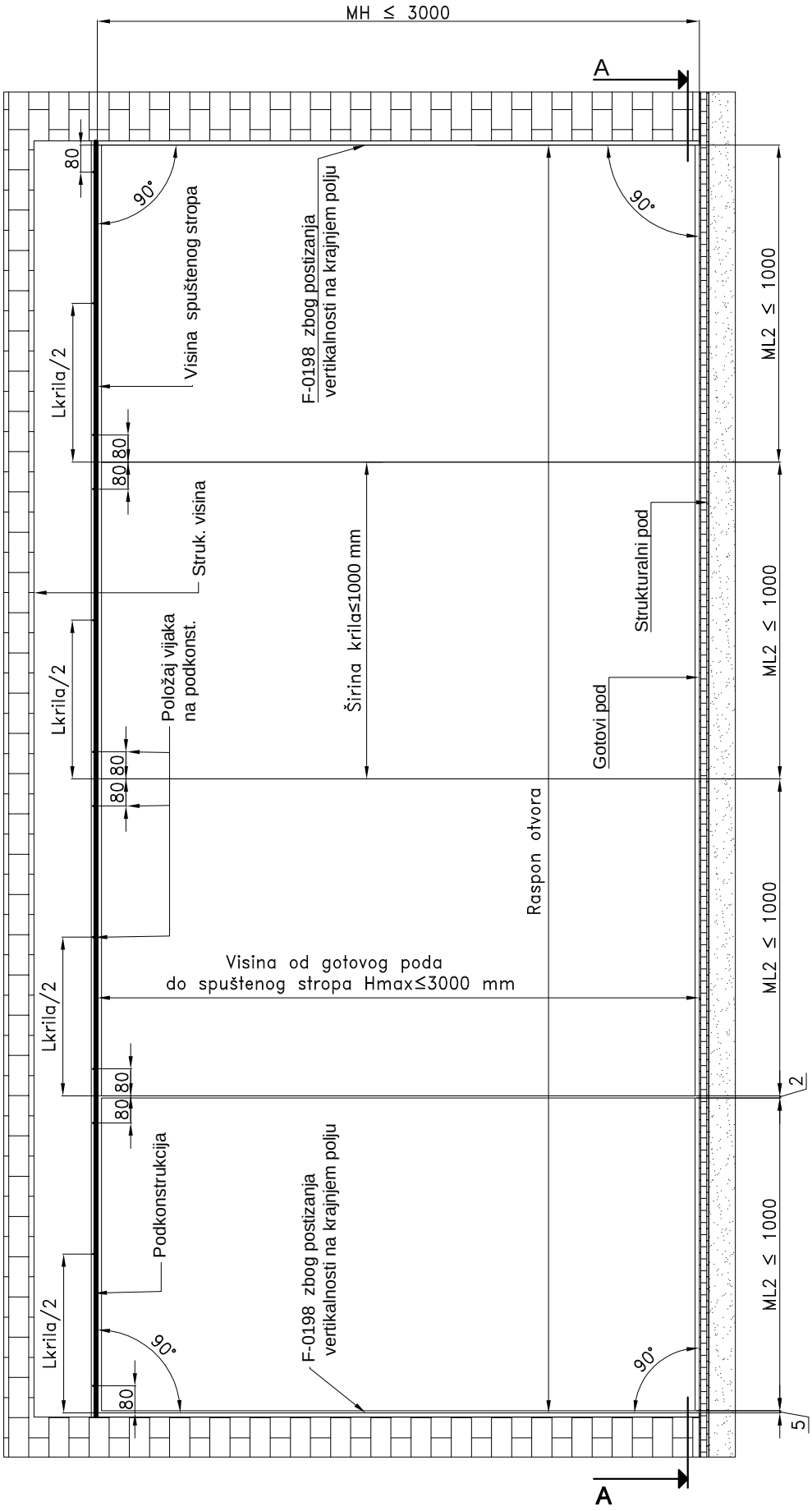

Prvo harmo krilo


Širina krila L1max ≤1000 mm
Lmax/2
111.017
111.020
140.065
100
111.016
111.021
29
29
140.065
F-1424
347.008
F-1472
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
F-1143
431.314
10
F-1473
F-0021
432.013
432.128 (x2)
12
F-1473
F-0021
432.013
432.128 (x2)
347.010
16
Hmax≤ 3000 mm
Drugo harmo krilo

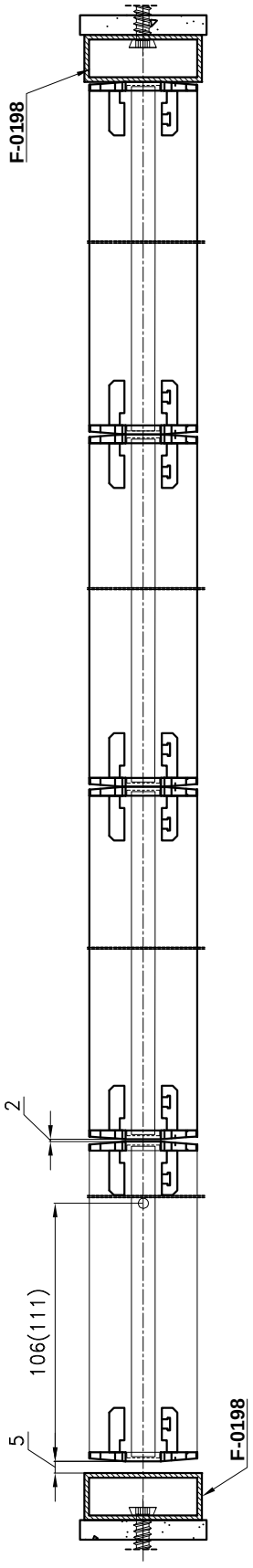

Presjek A-A
F-0198
Presjek B-B
F-0198
F-1357
314.001
433.205
A
B
10
16
Širina krila Lm(L1/2-33) mm
111.018
F-1357
314.001
111.019
111.017
111.020
29
F-1424
347.008
F-1472
431.914
432.128 (x2)
344.070
318.001
Staklo 55.2
318.001
344.070
431.914
432.128 (x2)
F-1143
431.314
10
F-1473
F-0021
432.013
432.128(x2)
F-1473
F-0021
432.013
432.128(x2)
347.010
16
12
Hmax≤ 3000 mm
Zadnje malo krilo

Obrada i montaža

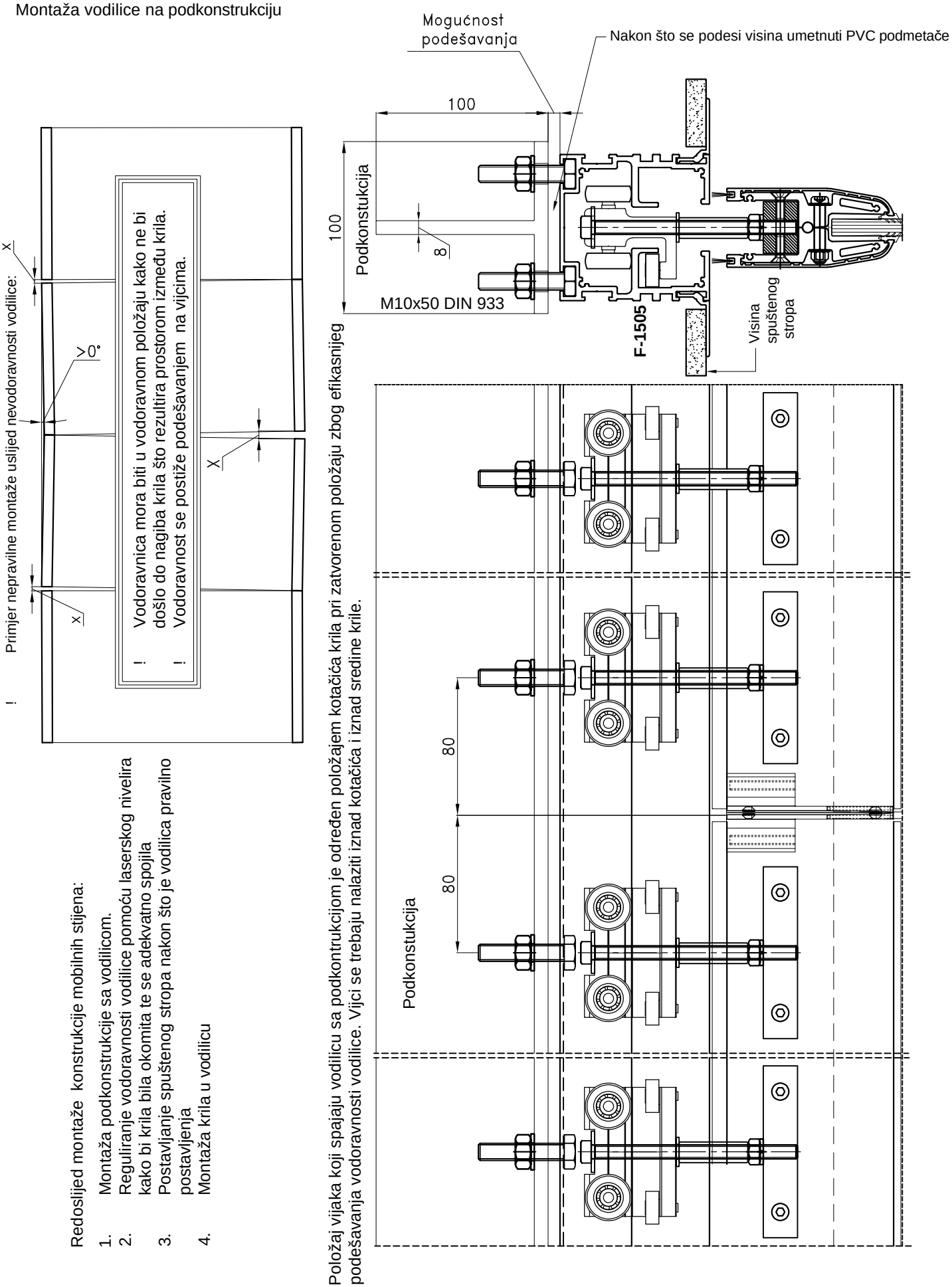
Montaža vodilice na podkonstrukciju



Presjek A-A



Montaža vodilice na podkonstrukciju



Položaj vijaka koji spajaju vodilicu sa podkontrukcijom je određen položajem kotačića krila pri zatvorenom položaju zbog efikasnijeg podešavanja vodoravnosti vodilice. Vijci se trebaju nalaziti iznad kotačića i iznad sredine krile.

! Primjer nepravilne montaže uslijed nevodoravnosti vodilice:

! Vodoravnica mora biti u vodoravnom položaju kako ne bi došlo do nagiba krila što rezultira prostorom između krila.

! Vodoravnost se postiže podešavanjem na vijcima.

Redoslijed montaže konstrukcije mobilnih stijena:

1. Montaža podkonstrukcije sa vodilicom.
2. Reguliranje vodoravnosti vodilice pomoću laserskog nivelira kako bi krila bila okomita te se adekvatno spojila
3. Postavljanje spuštenog stropa nakon što je vodilica pravilno postavljenja
4. Montaža krila u vodilicu

Tipovi otvaranja mobilnih stijena

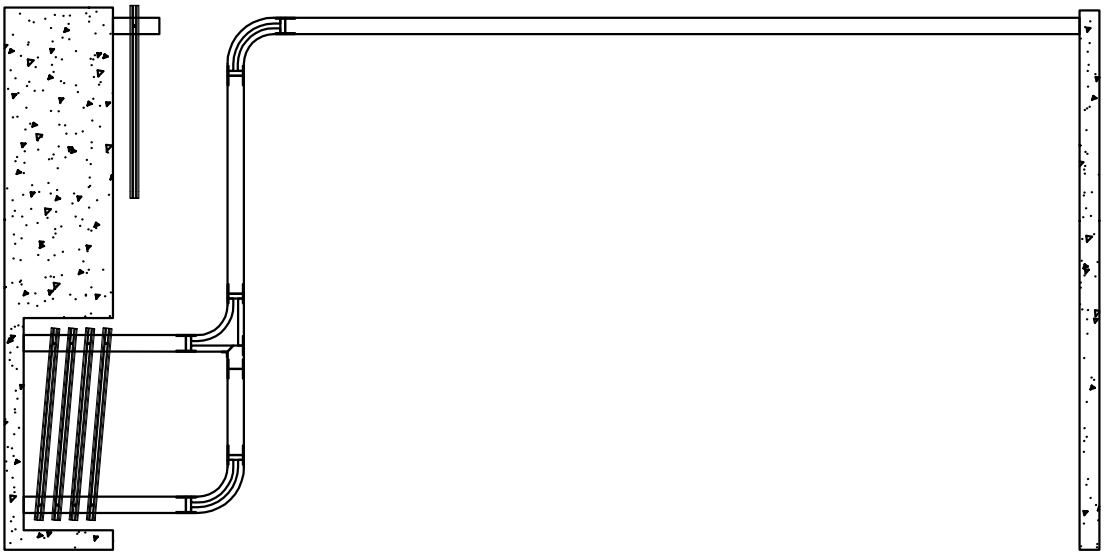
1.



2.



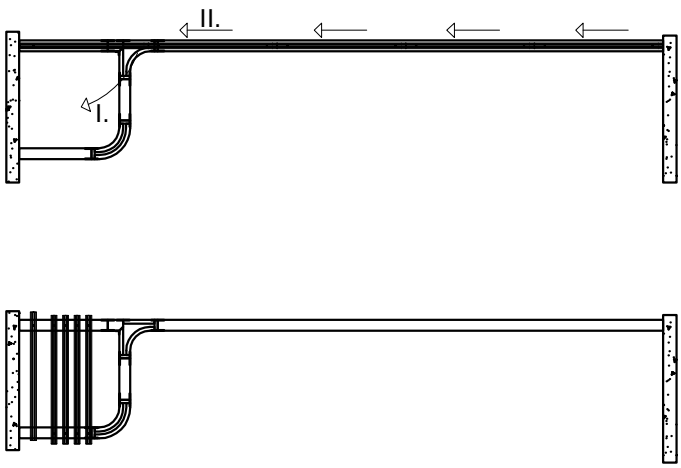
3.

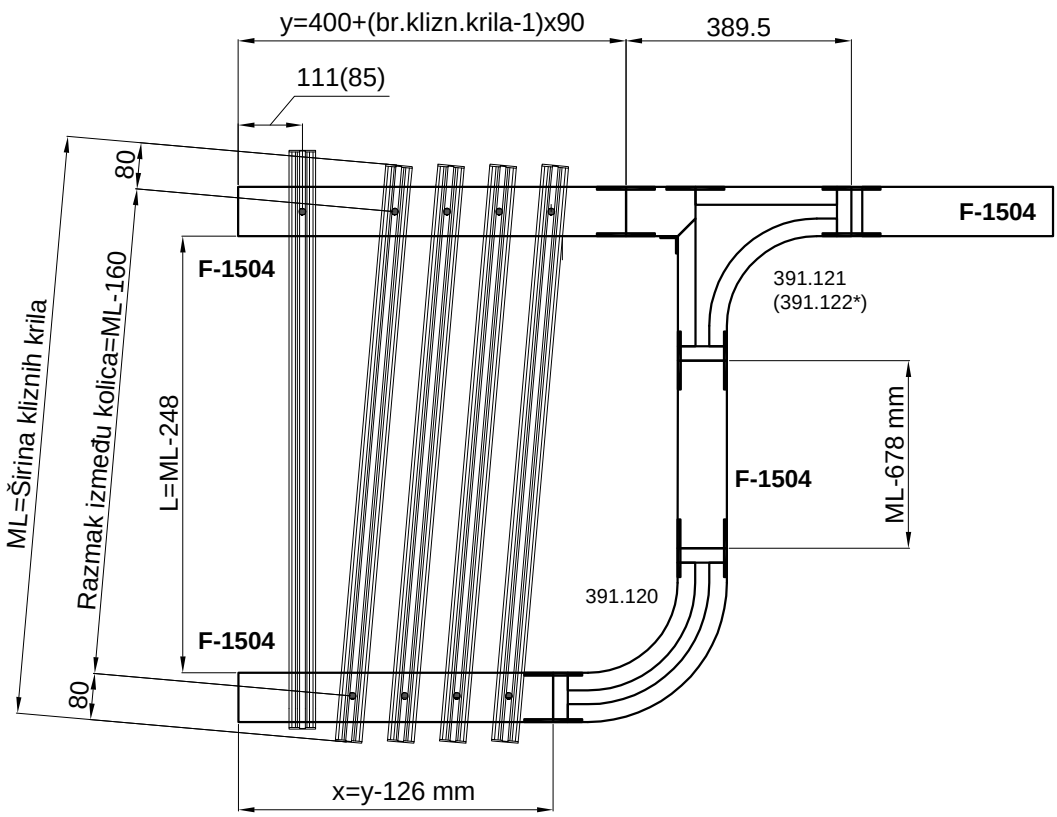


4.



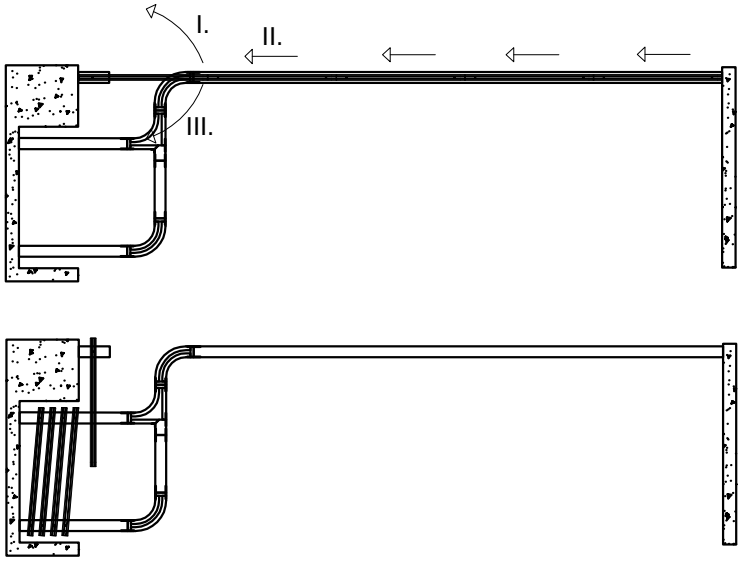
Tipovi otvaranja mobilnih stijena - tip 1

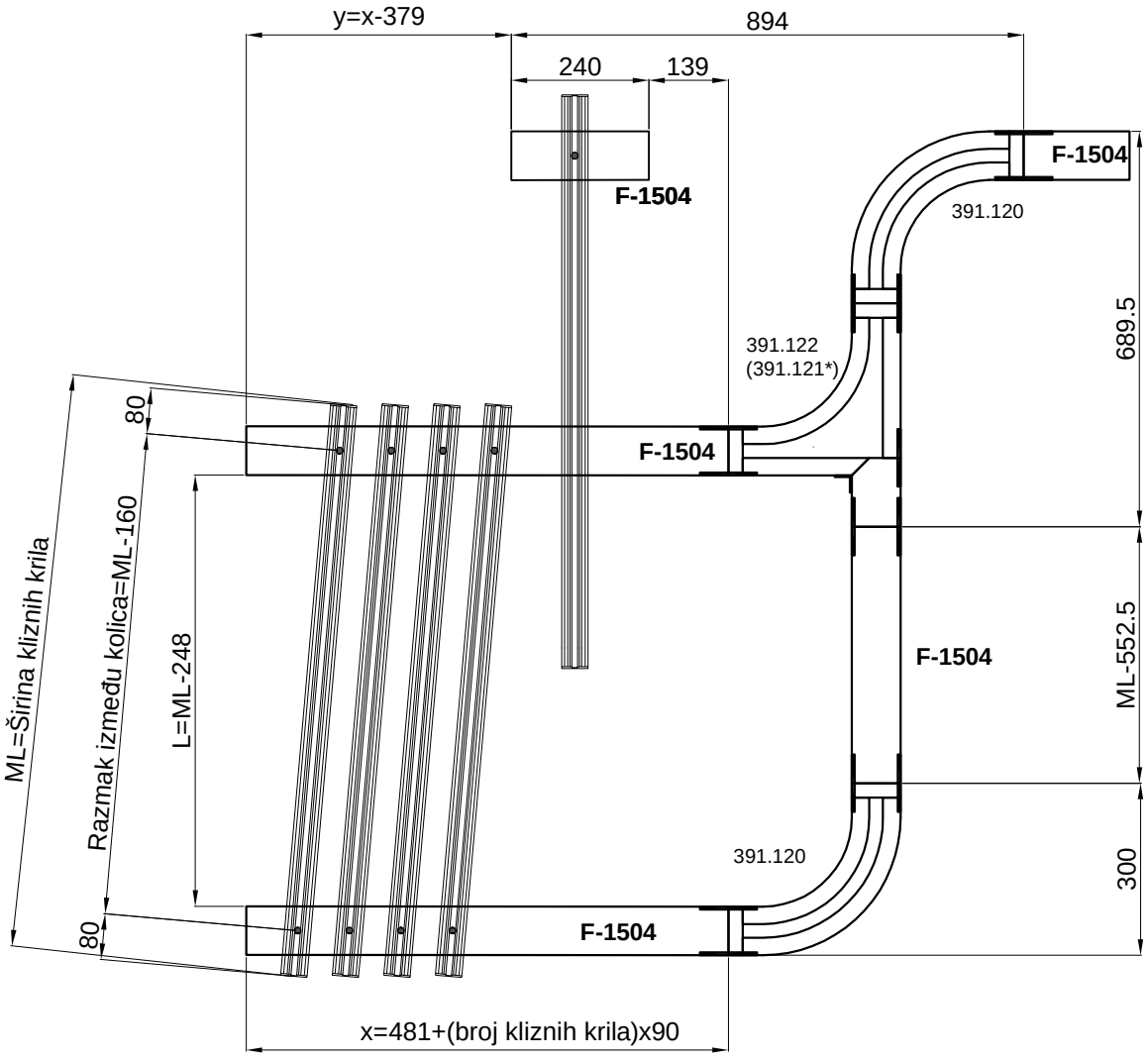




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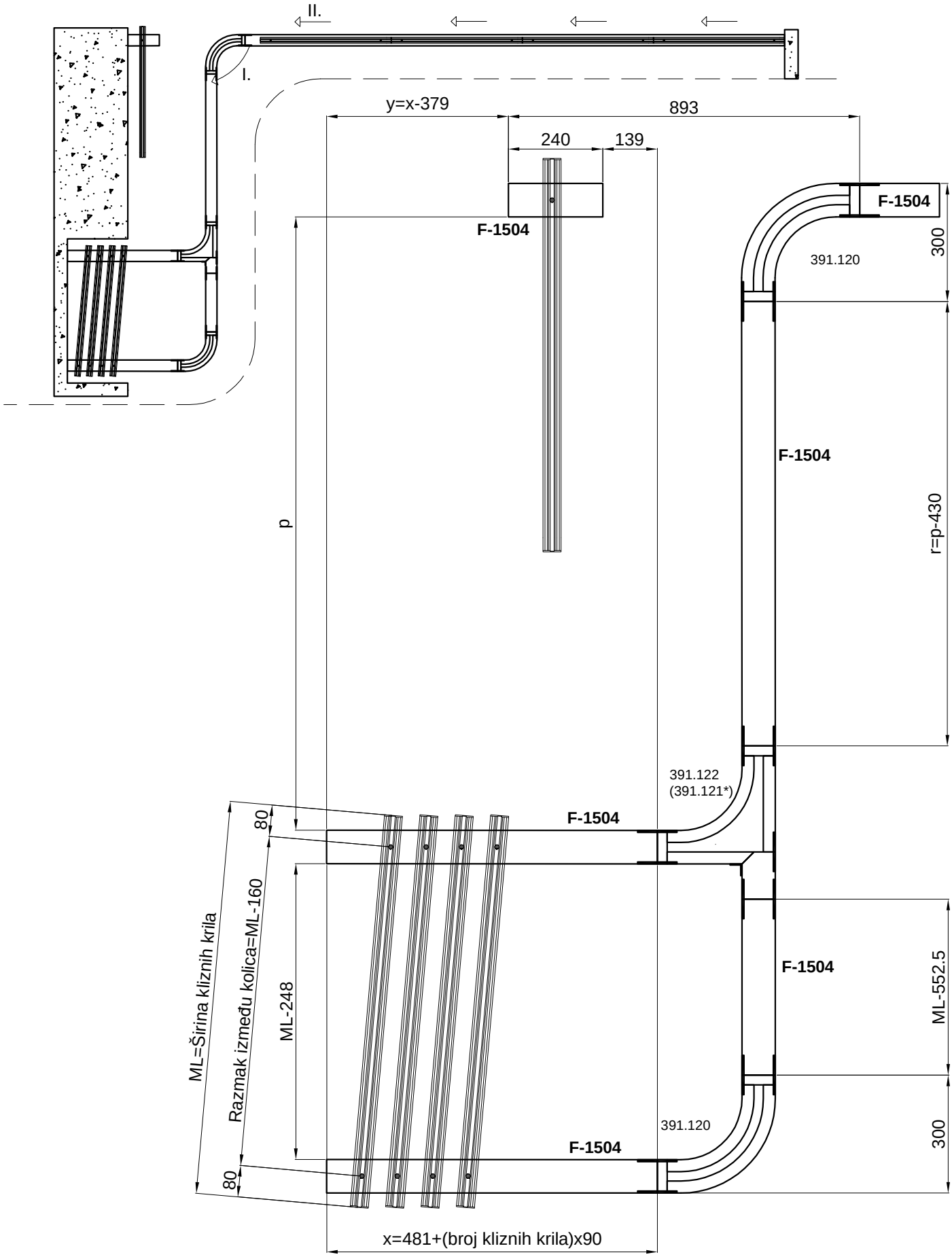
Tipovi otvaranja mobilnih stijena - tip 2





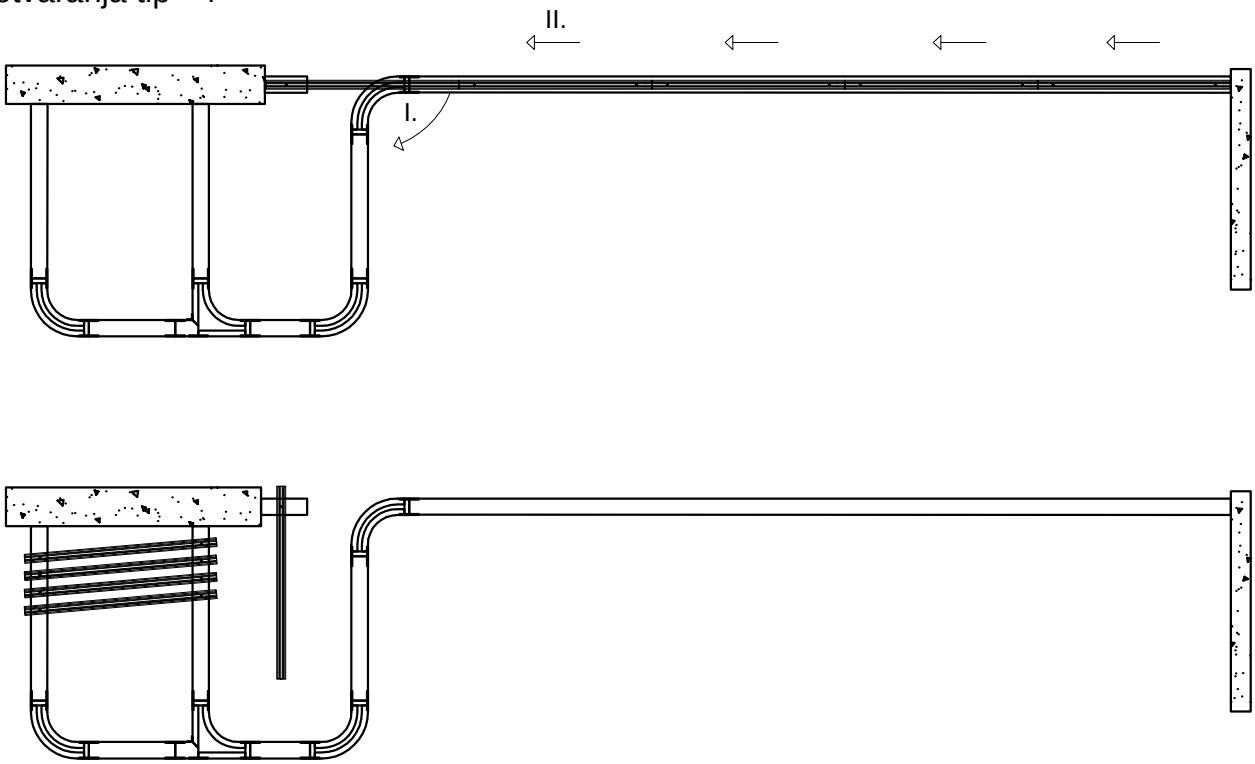
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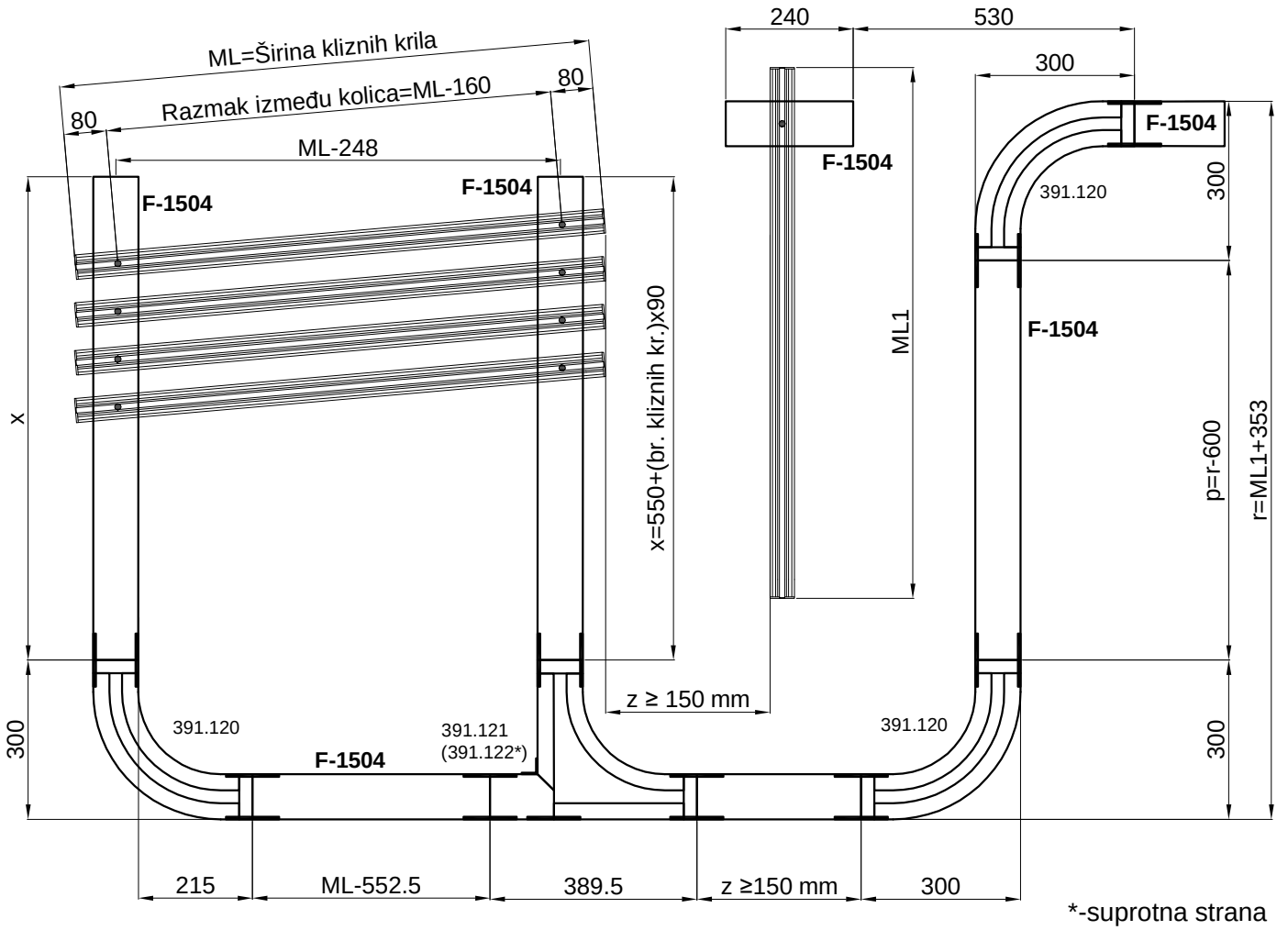
Tipovi otvaranja mobilnih stijena - tip 3



*-suprotna strana

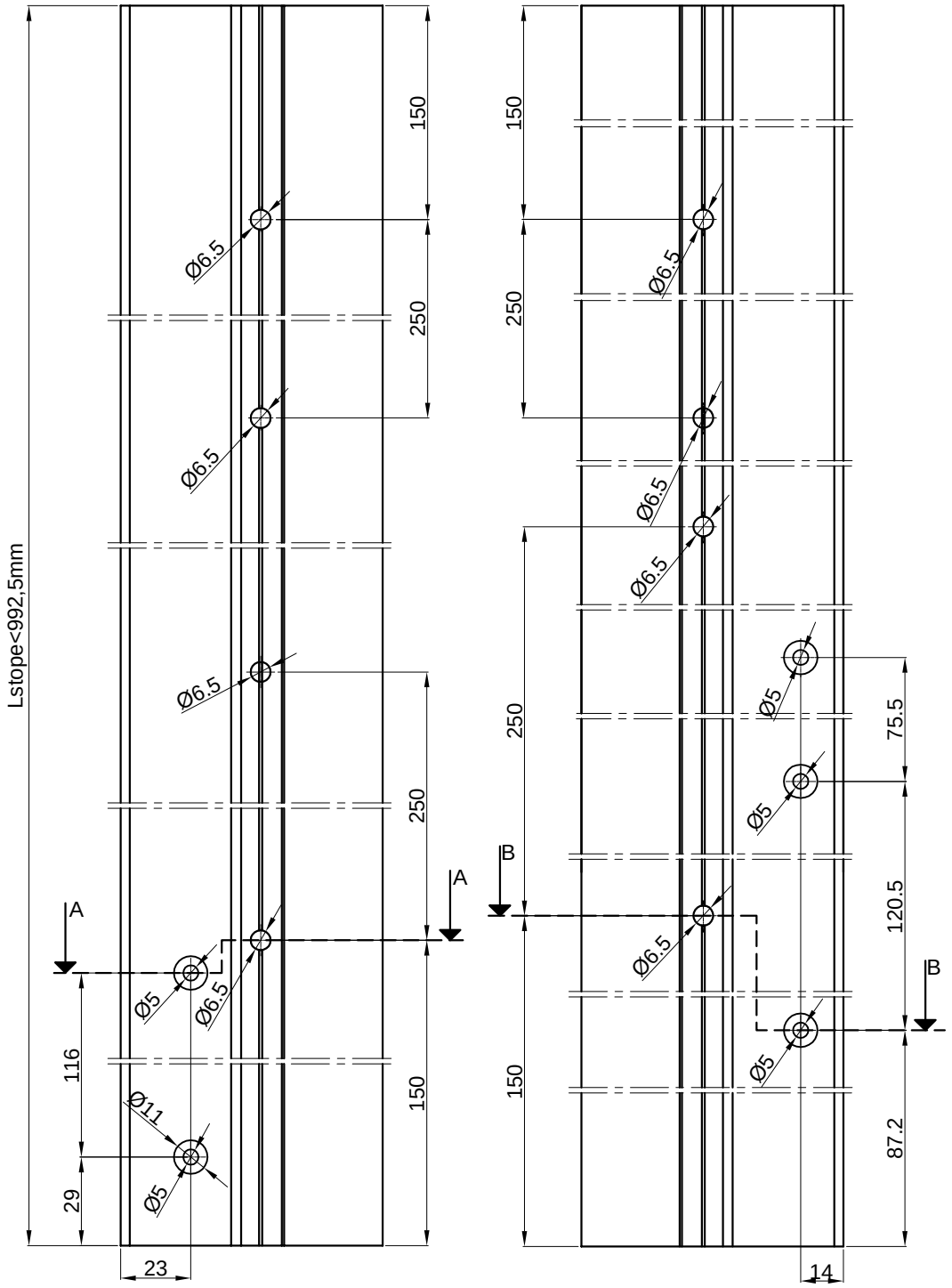
Tipovi otvaranja tip - 4

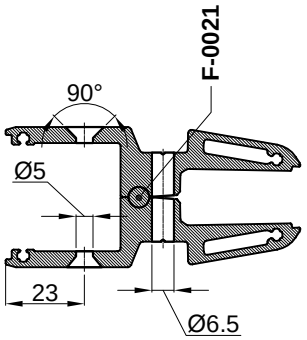




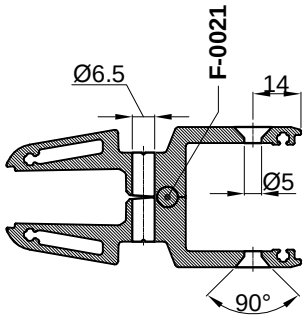
*-suprotna strana

Obrada F-1473 za mimokr. krilo s automatom u podu 146.008 za težinu krila ispod 70 kg



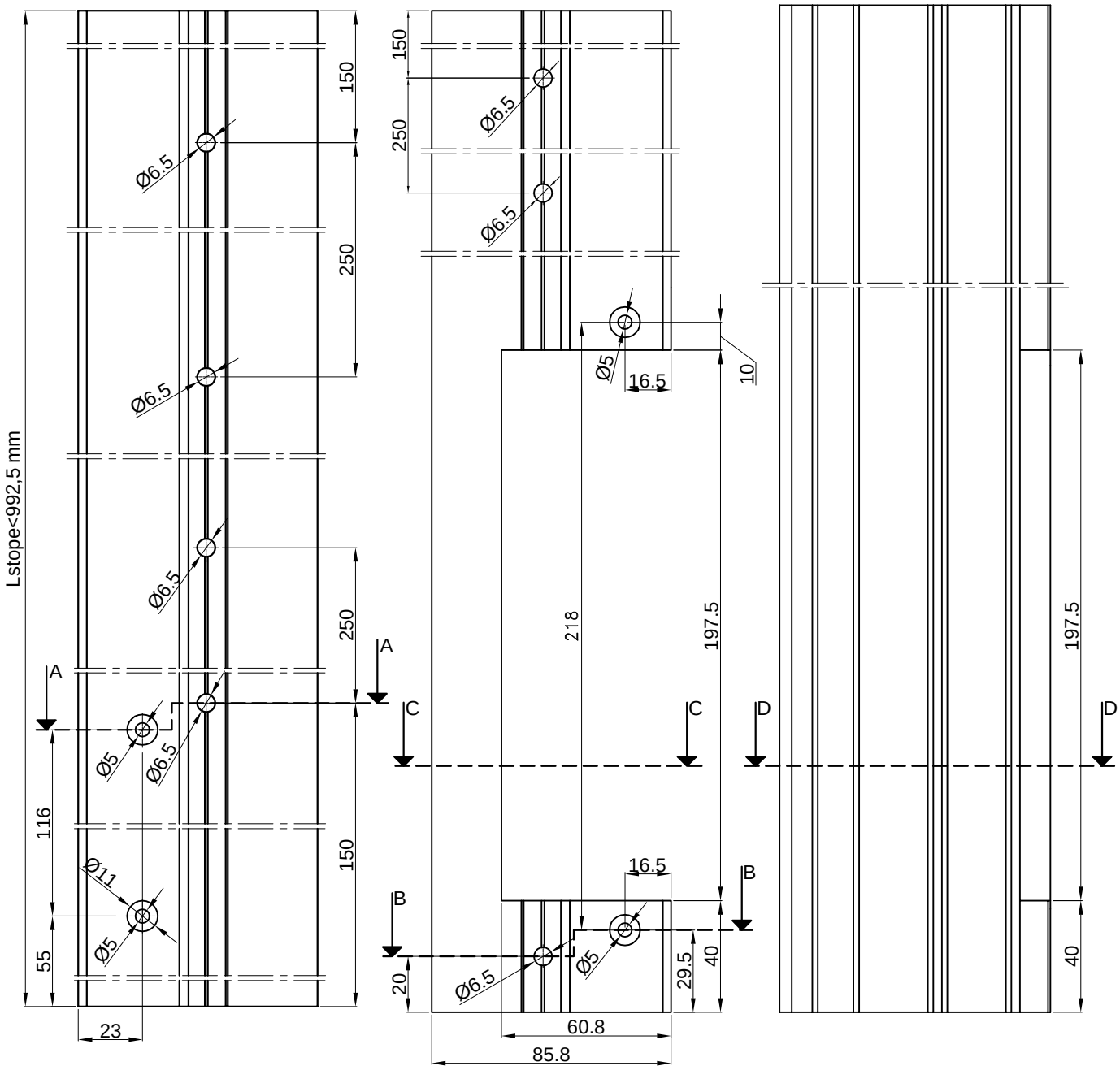


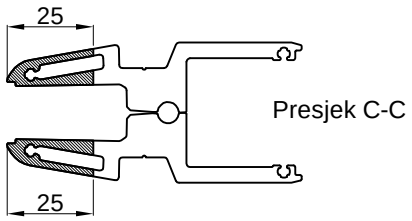
Presjek A-A



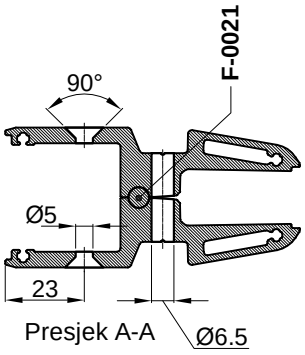
Presjek B-B

Obrada F-1472;F-1473 za mimok. krilo sa automatom u krilu 140.072 za težinu krila ispod 70 kg

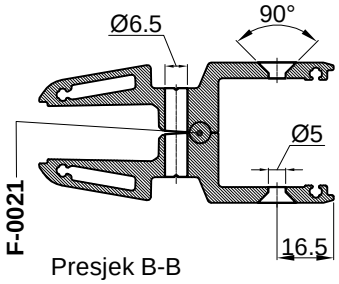




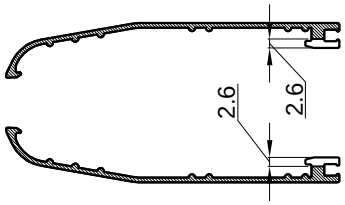
Presjek C-C



Presjek A-A

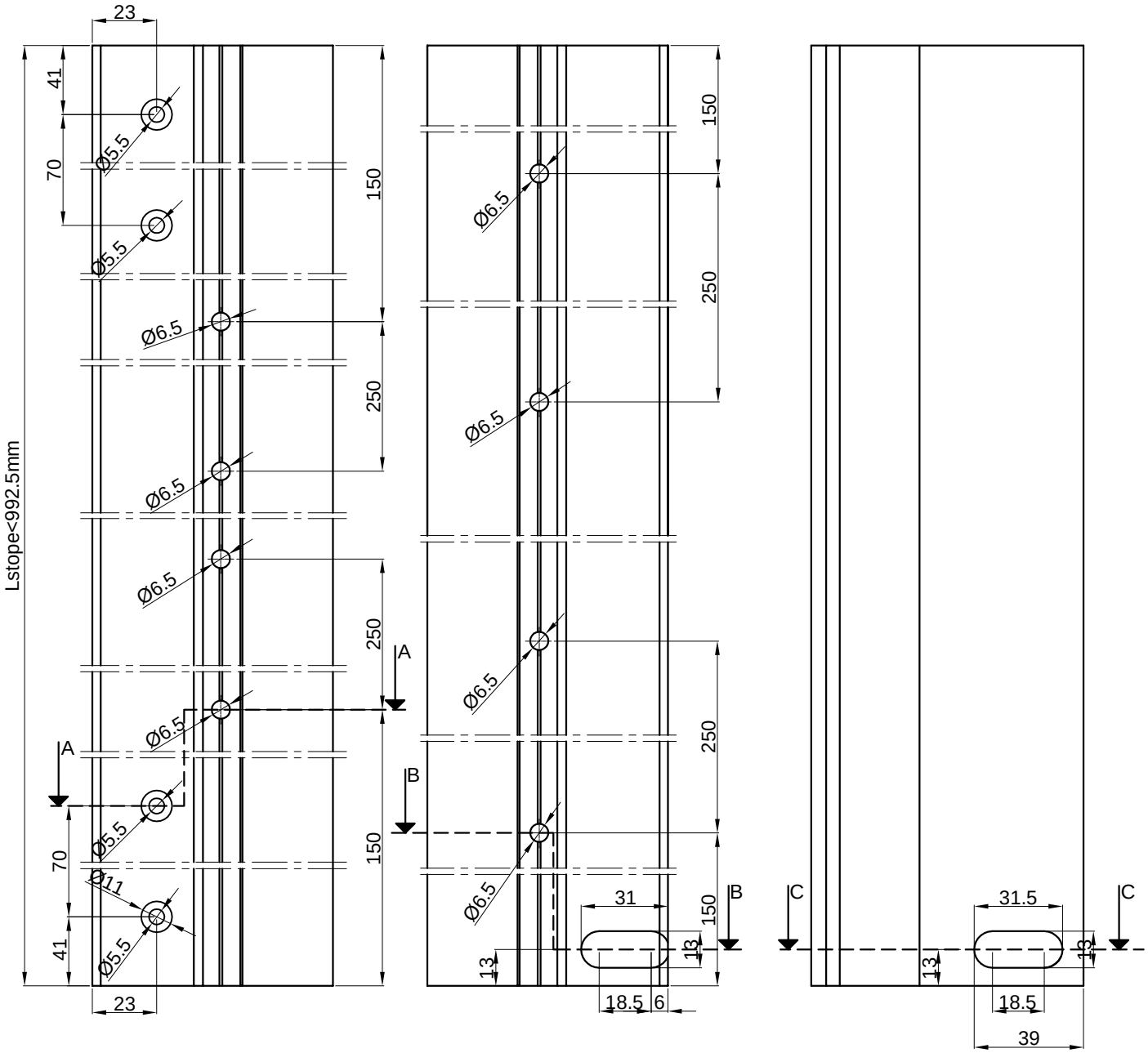


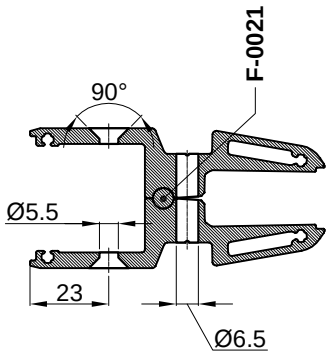
Presjek B-B



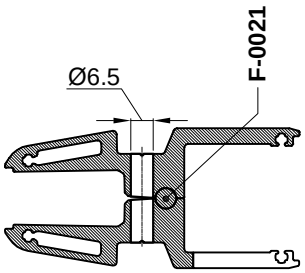
Presjek D-D

Obrada profila F-1473 za prvo klizno krilo za težinu krila ispod 70 kg

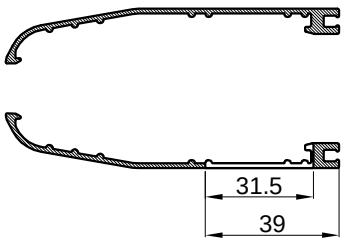




Presjek A-A

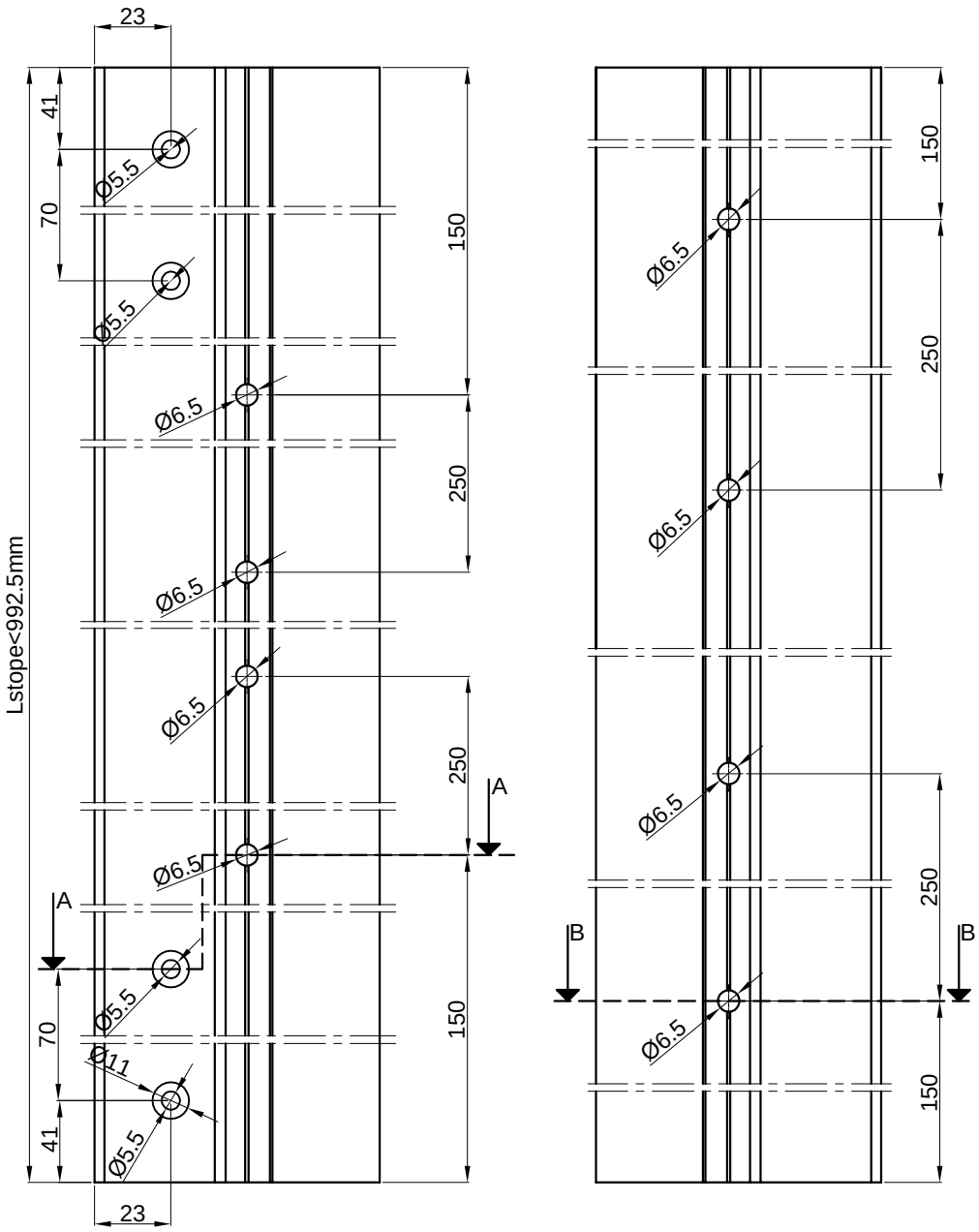


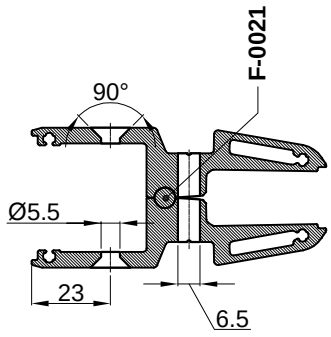
Presjek B-B



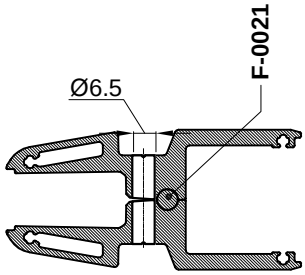
Presjek C-C

Obrada profila F-1473 za srednje klizno krilo za težinu krila ispod 70 kg



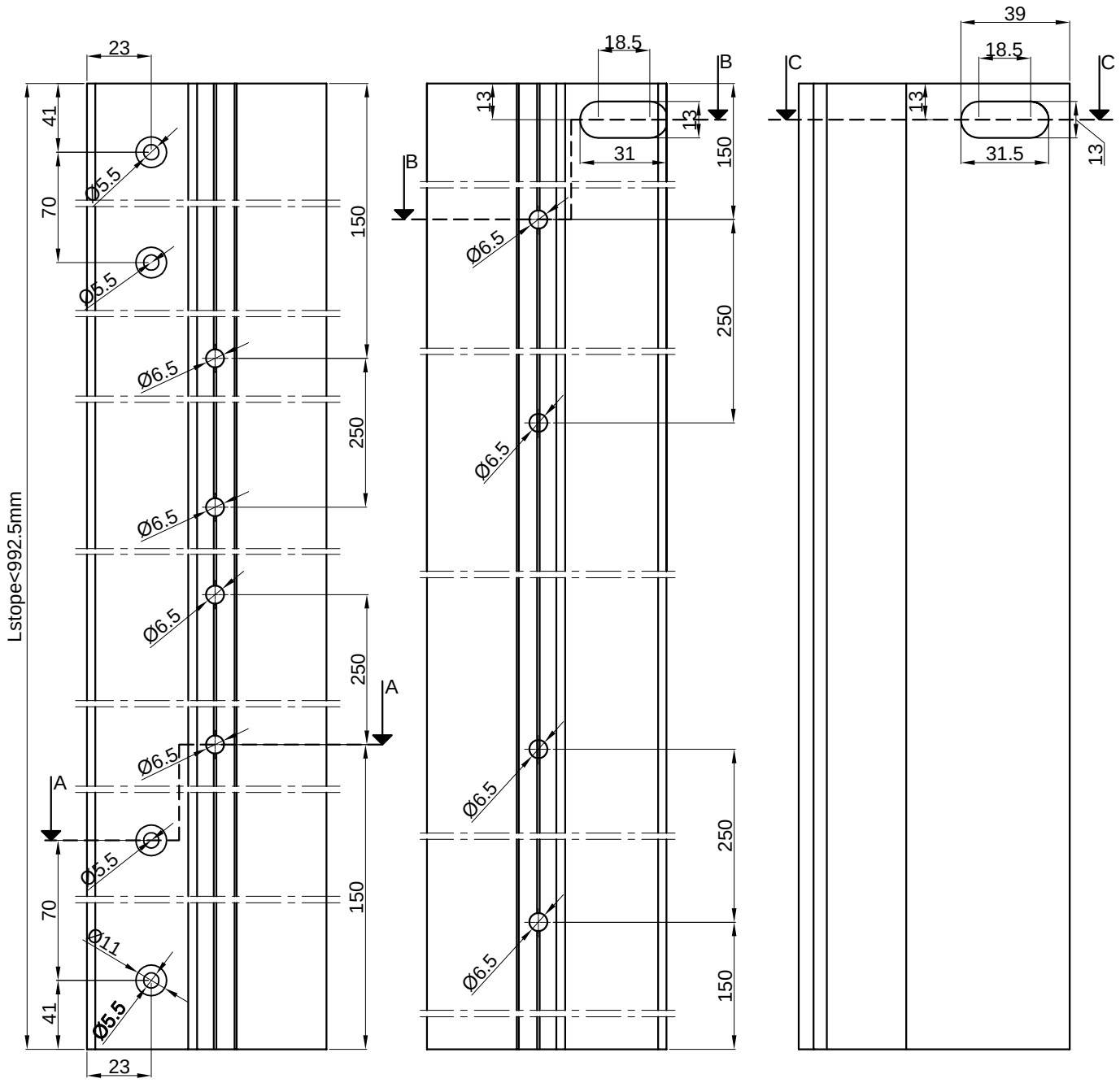


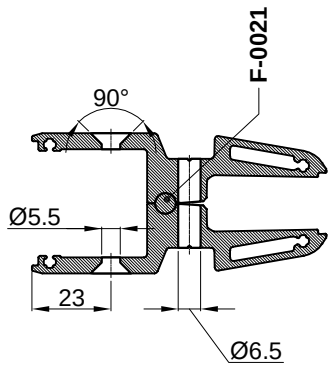
Presjek A-A



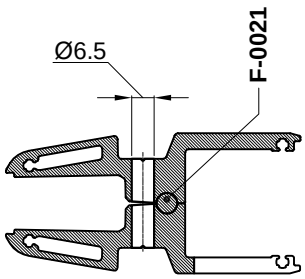
Presjek B-B

Obrada profila F-1473 za zadnje klizno krilo za težinu krila ispod 70 kg

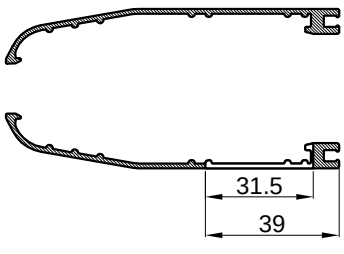




Presjek A-A

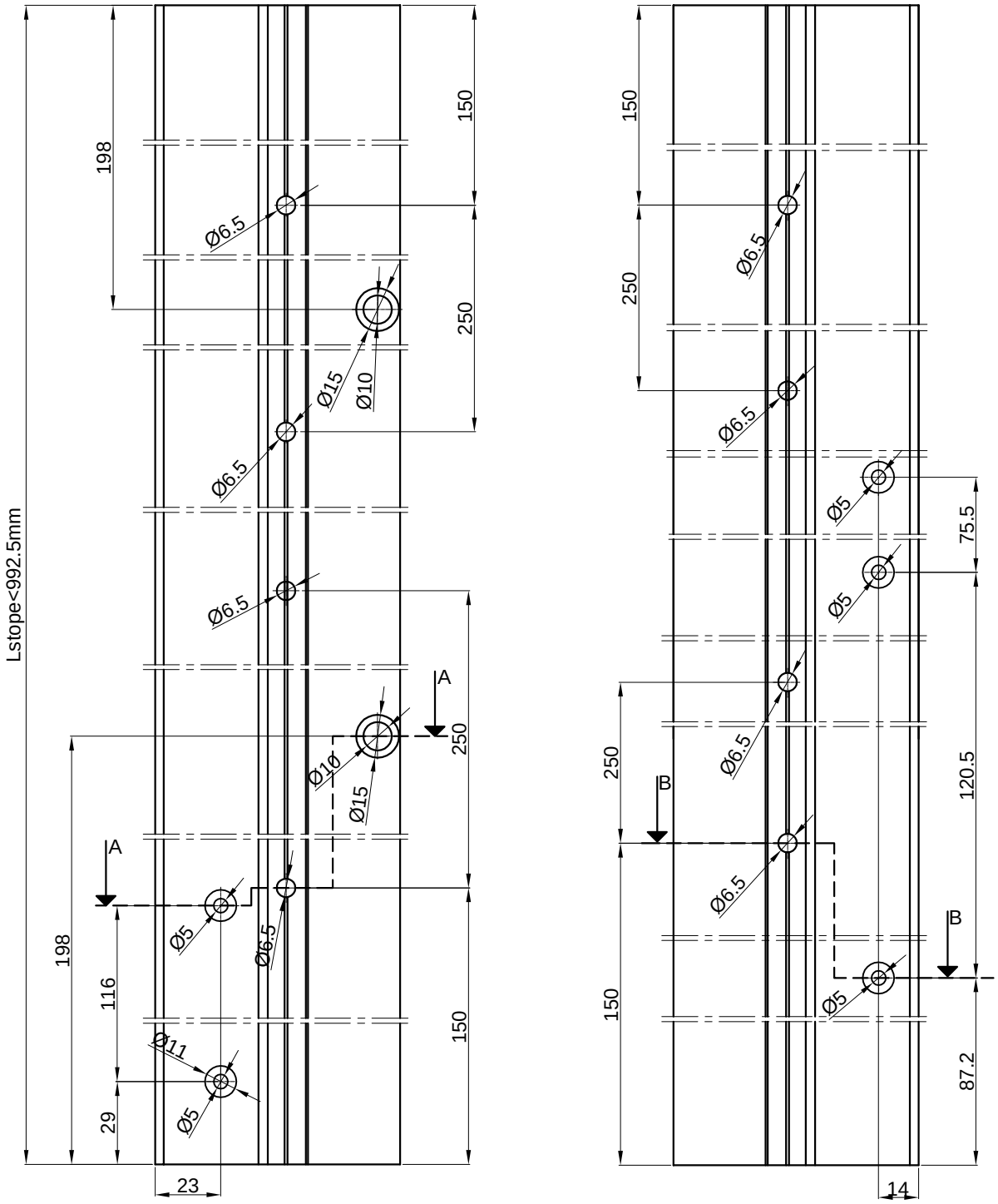


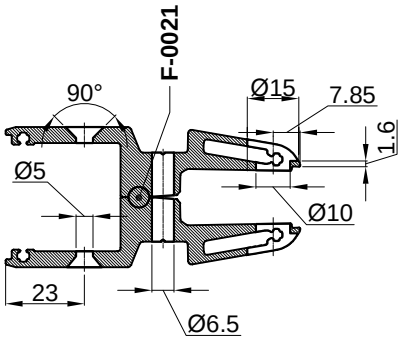
Presjek B-B



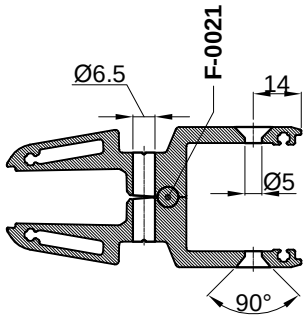
Presjek C-C

Obrada F-1473 za mimokr. krilo s automatom u podu 146.008 za težinu krila iznad 70 kg



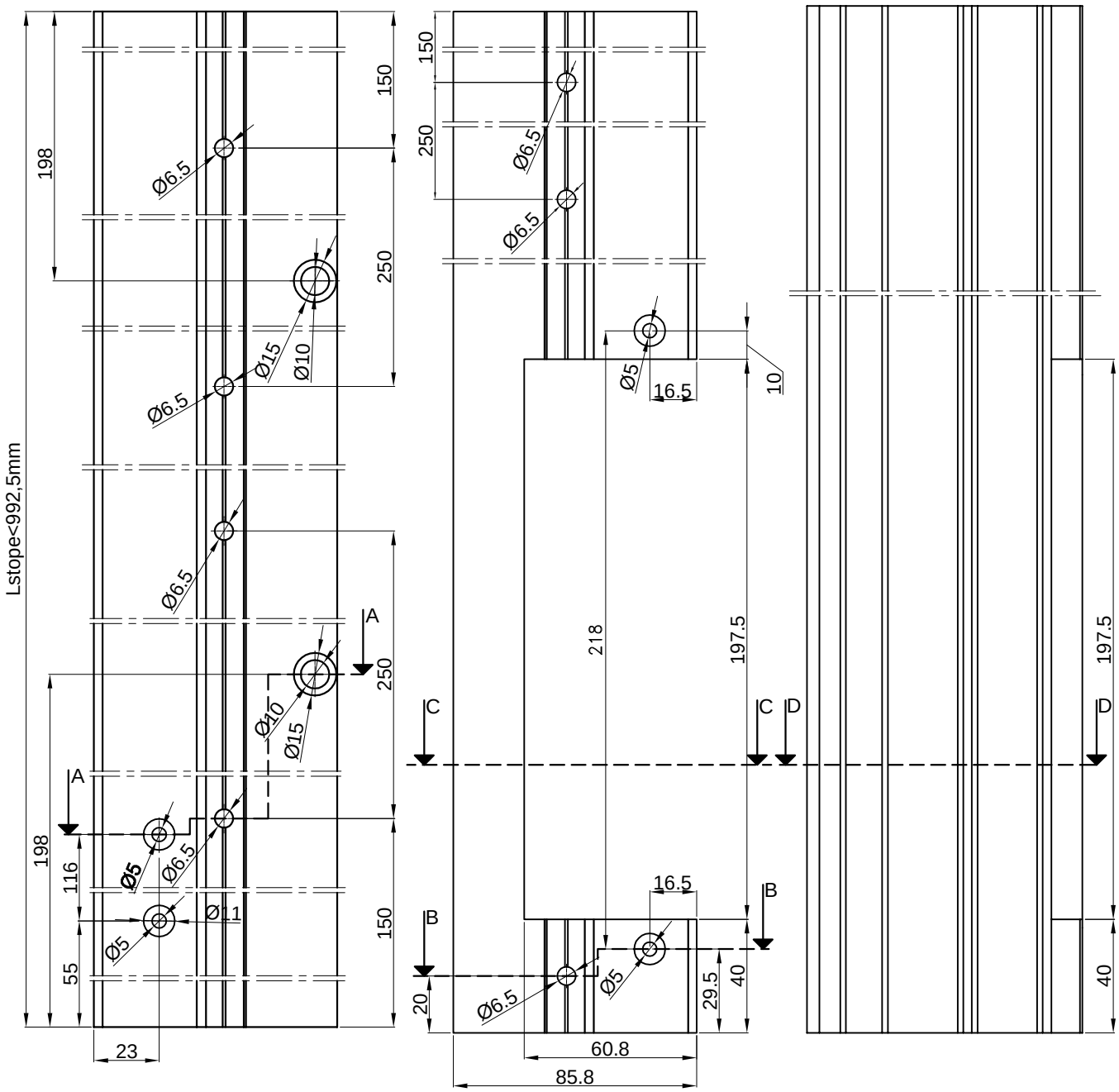


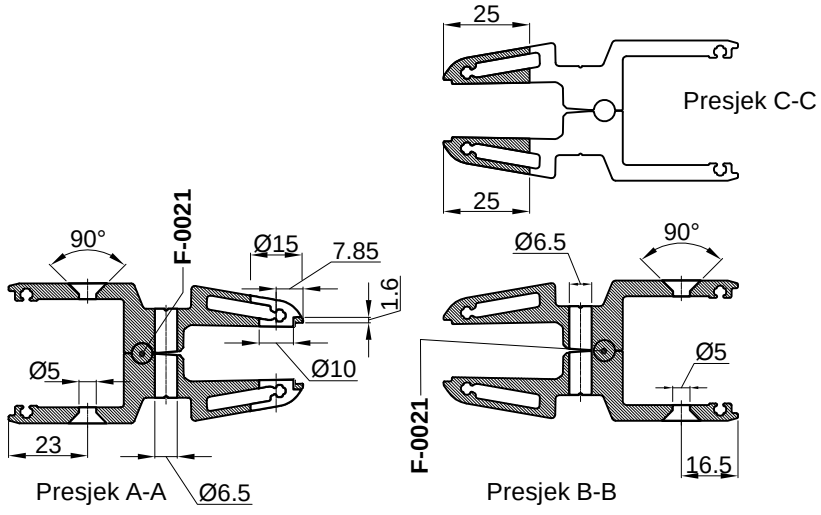
Presjek A-A



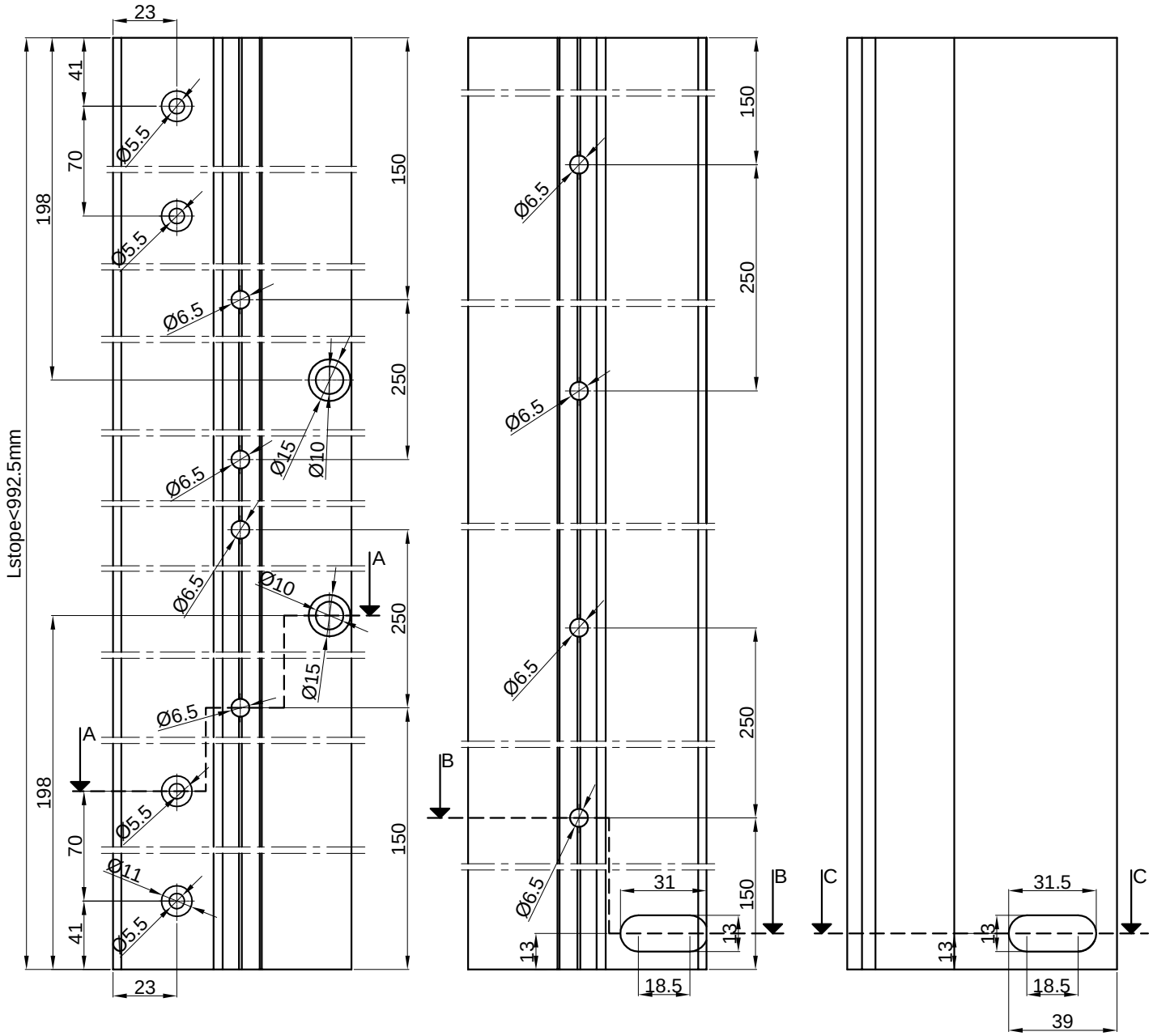
Presjek B-B

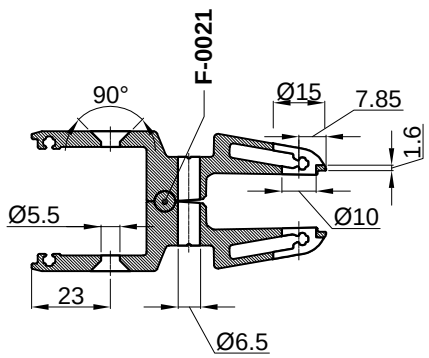
Obrada F-1472;F-1473 za mimok. krilo sa automatom u krilu 140.072 za težinu krila iznad 70 kg



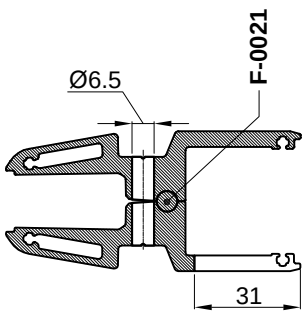


Obrada profila F-1473 za prvo klizno krilo za težinu krila iznad 70 kg

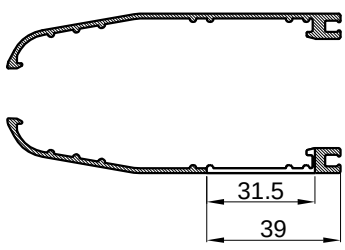




Presjek A-A

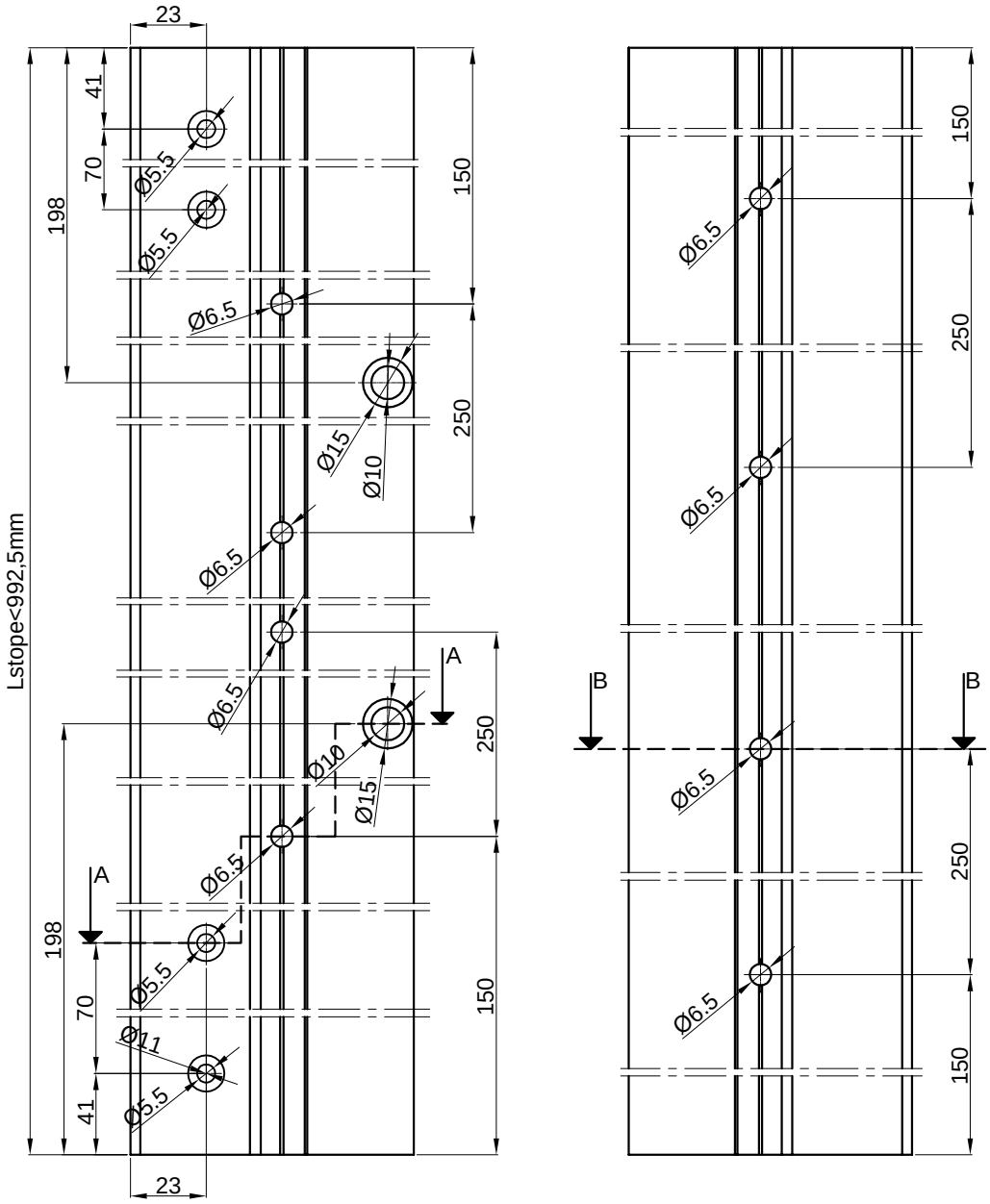


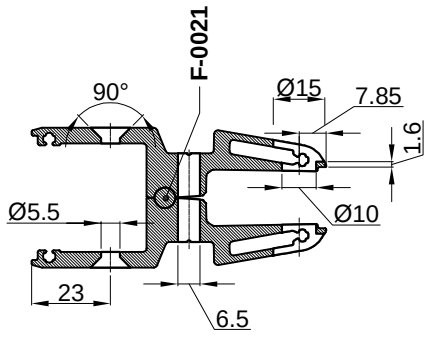
Presjek B-B



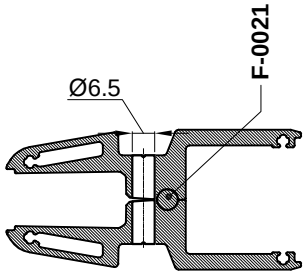
Presjek C-C

Obrada profila F-1473 za srednje klizno krilo za težinu krila iznad 70 kg



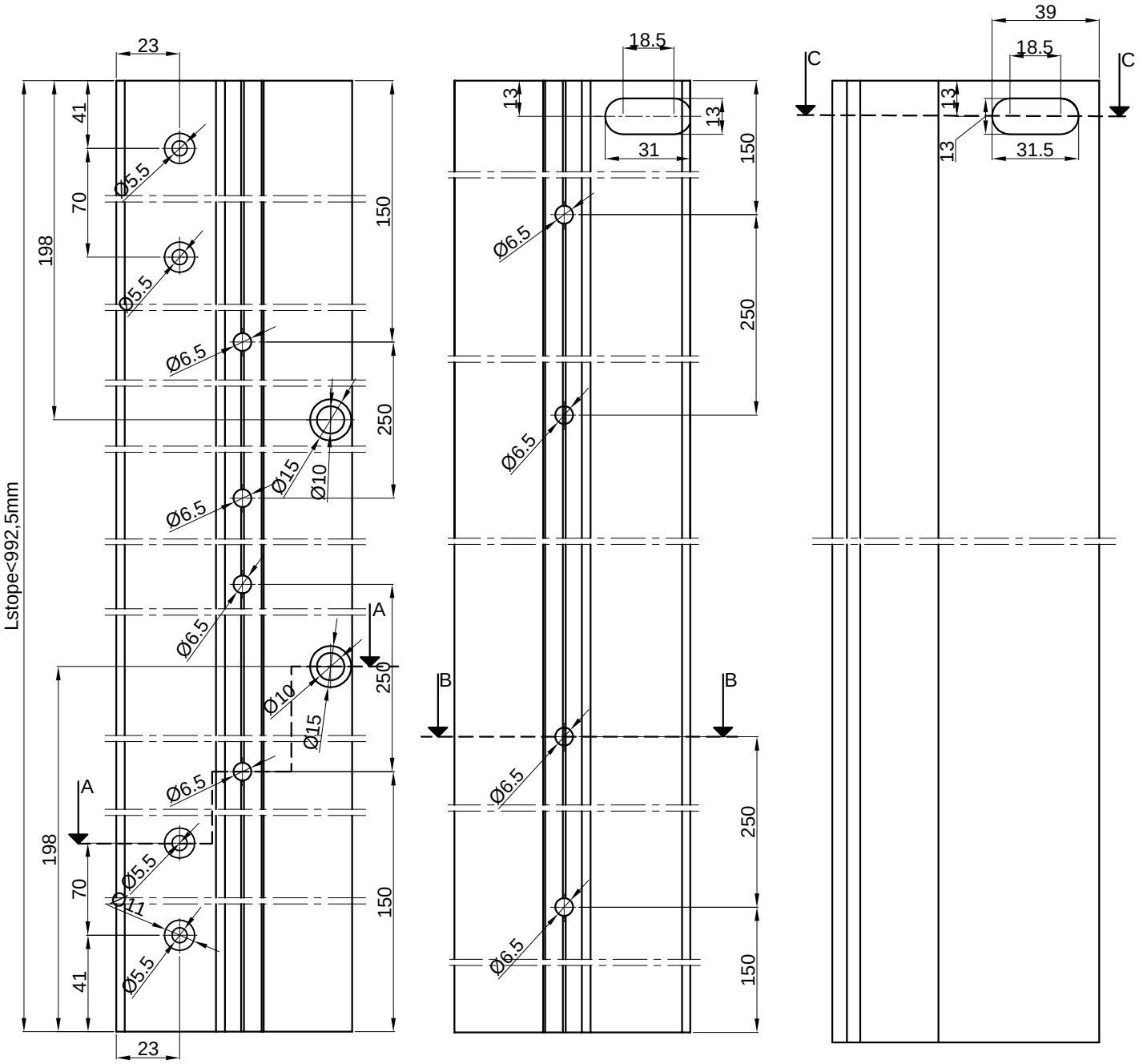


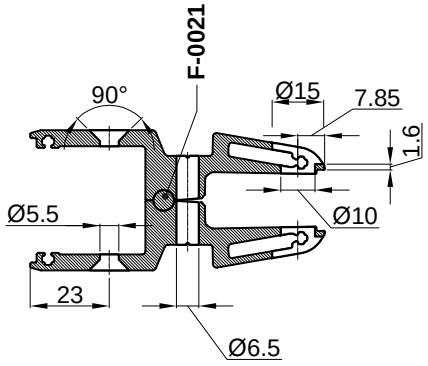
Presjek A-A



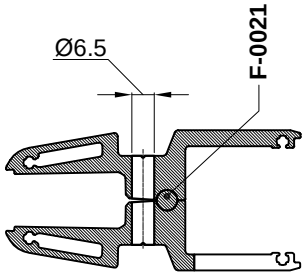
Presjek B-B

Obrada profila F-1473 za zadnje klizno krilo za težinu krila iznad 70 kg

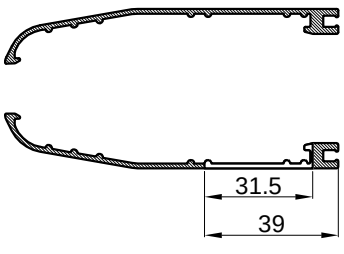




Presjek A-A



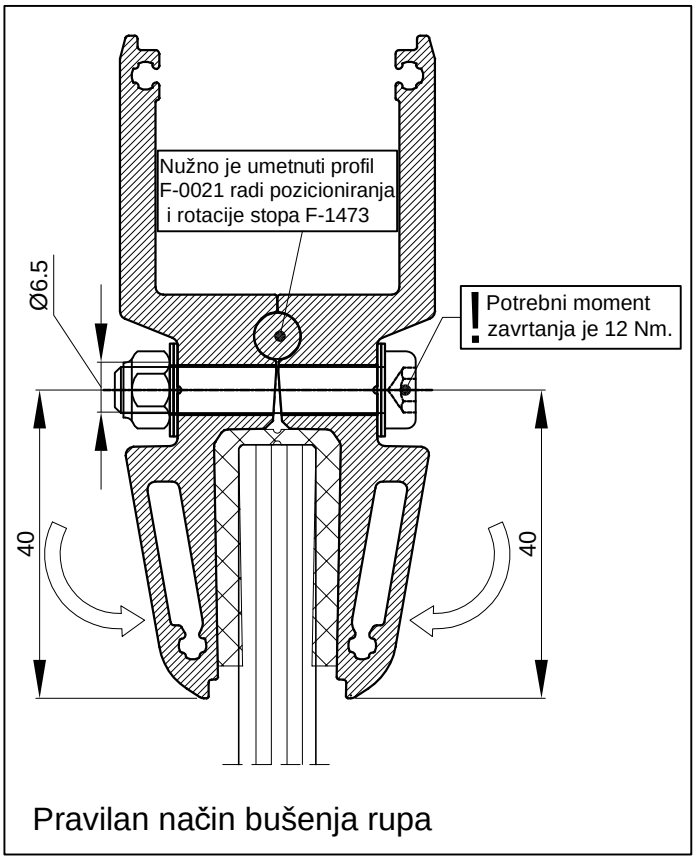
Presjek B-B



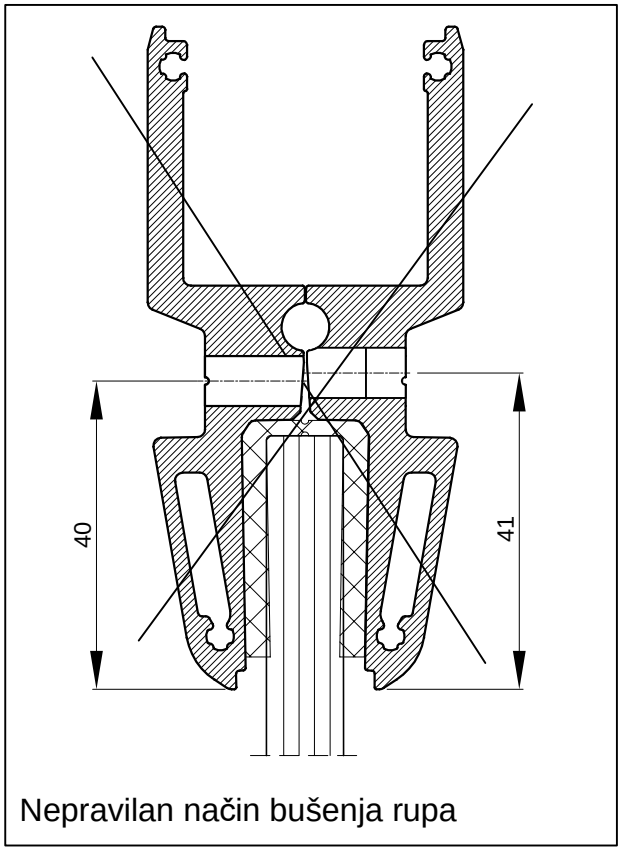
Presjek C-C

Obrada stope F-1473

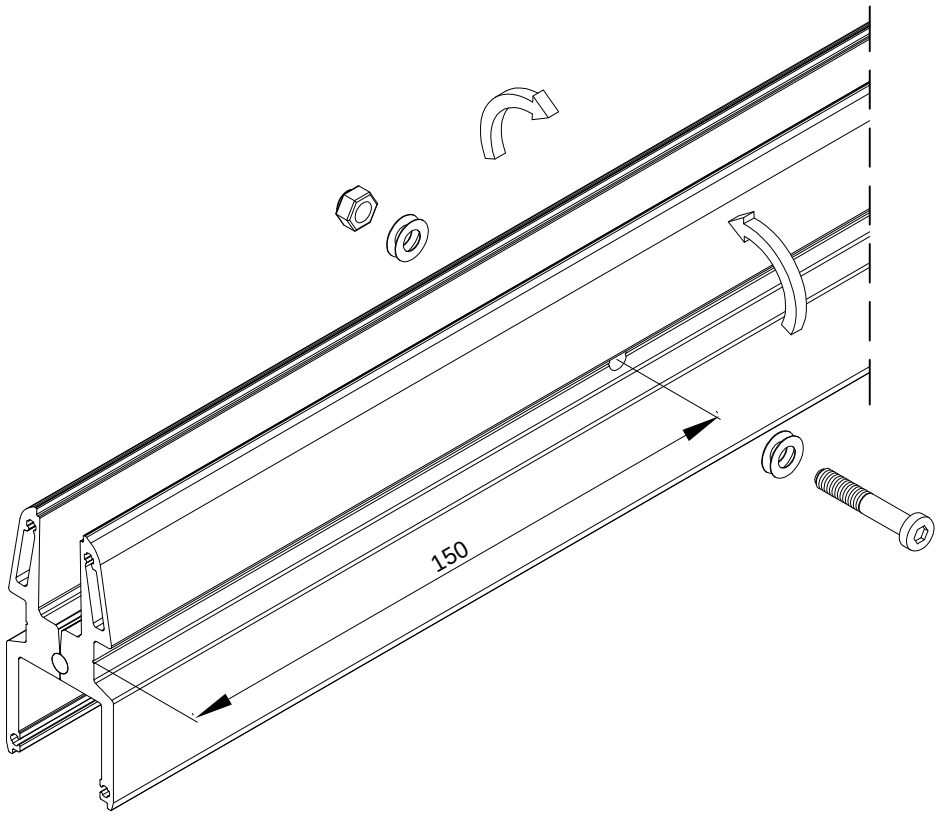
! Napomena: Pri bušenju rupe Ø6.5 mm potrebno je obratiti pozornost na poziciju bušenja kako bi stezanje vijka M6 dovelo do dovoljno jakog pritiska profila F-1473 na staklo tj do čvršćeg spoja.

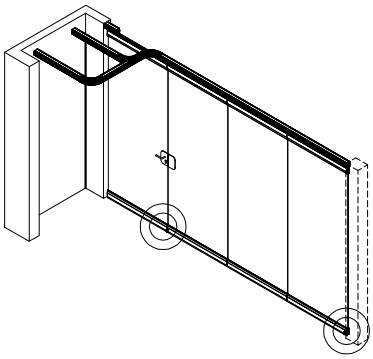


Pravilan način bušenja rupa

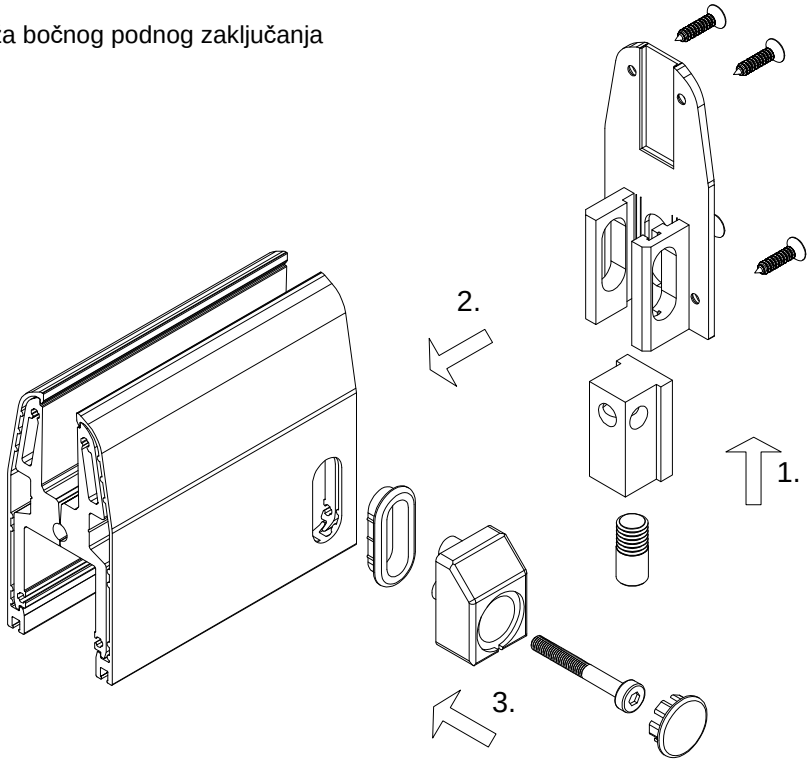


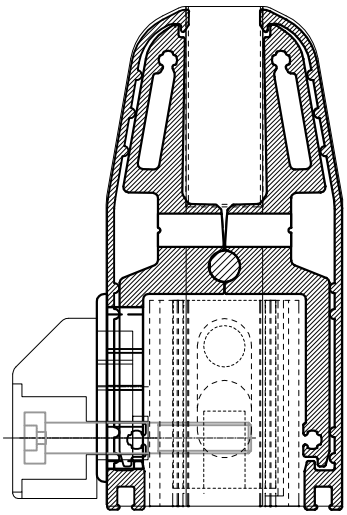
Nepravilan način bušenja rupa



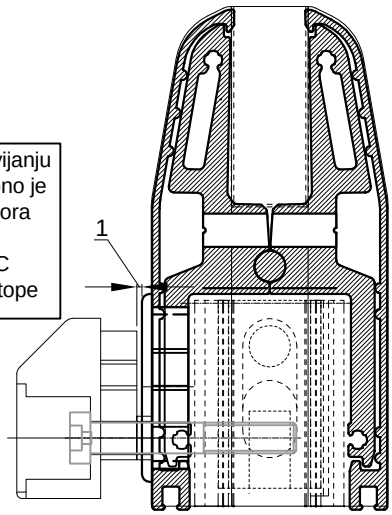


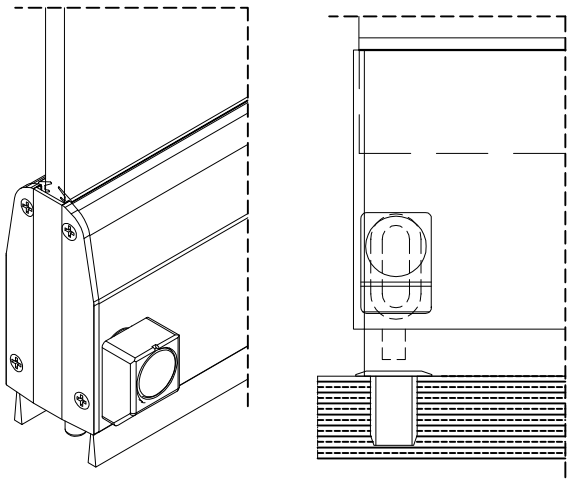
Montaža bočnog podnog zaključanja



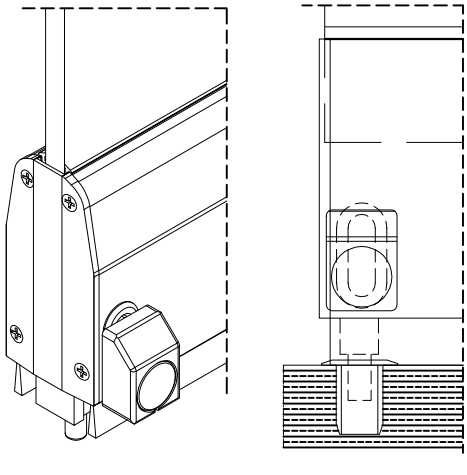


Napomena: Pri zavijanju vijka M6x40 potrebno je ostaviti 1 mm prostora između ručke zaključavanja i PVC umetka na lajsni stope



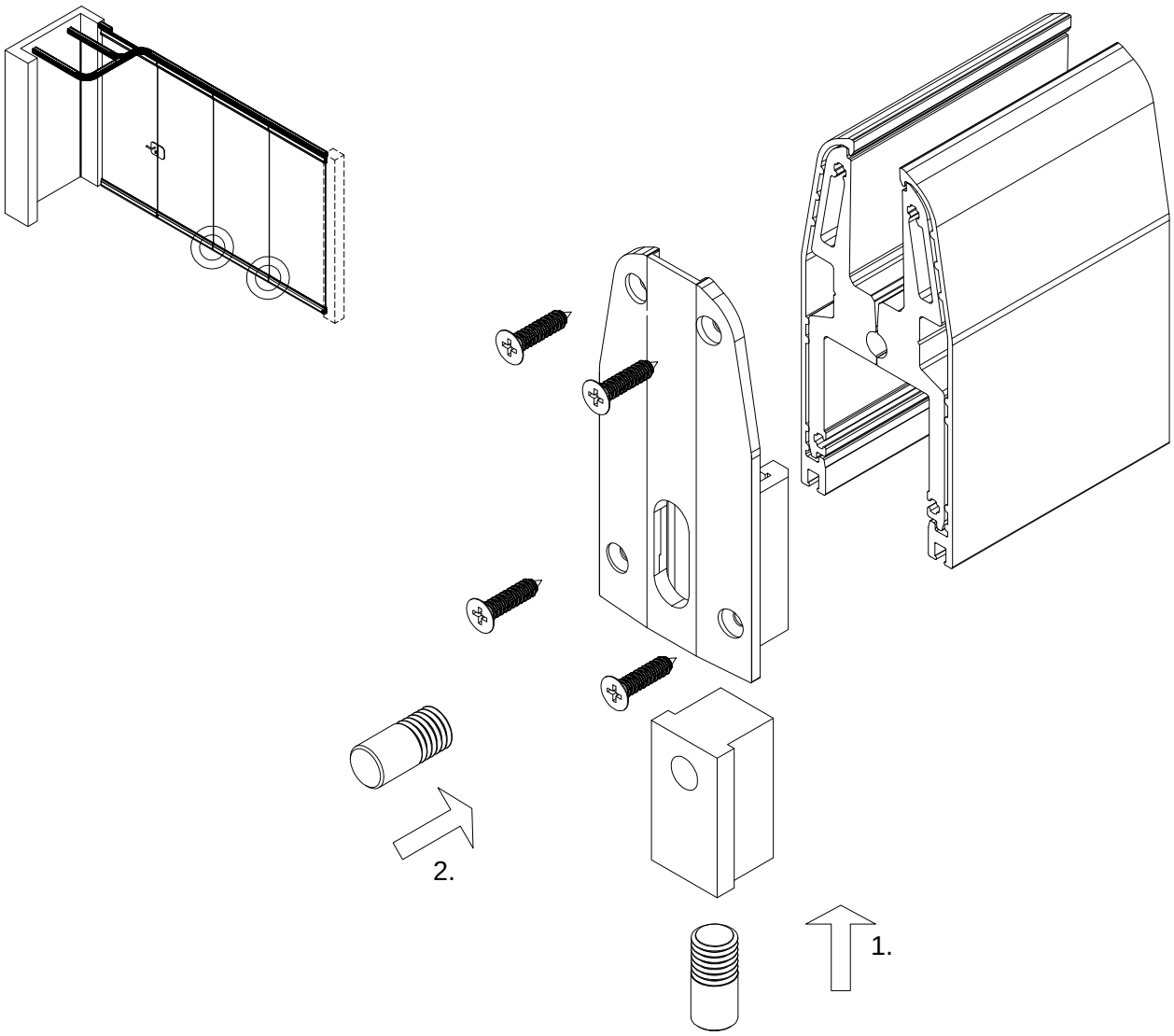


Otvoreni položaj

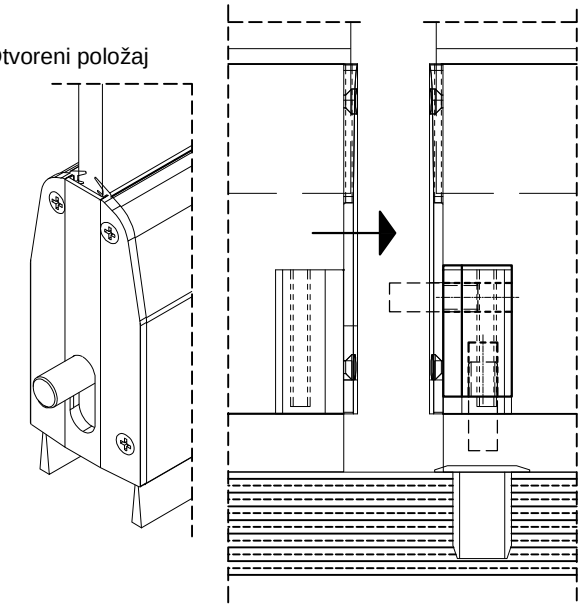


Zatvoreni položaj

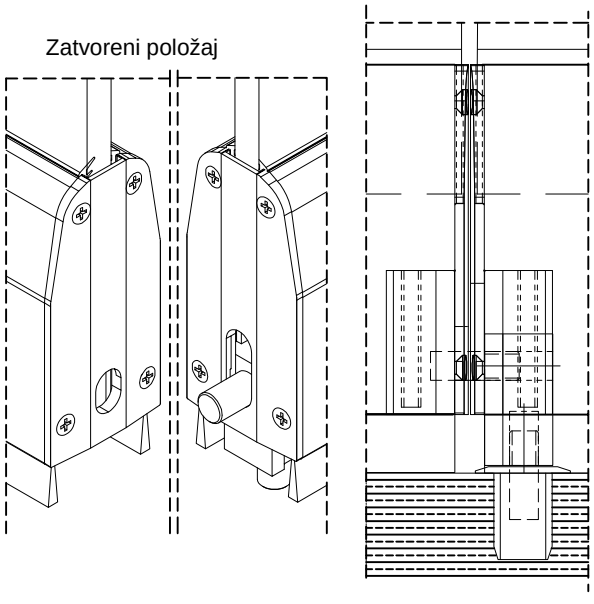
Montaža podnog ključanja



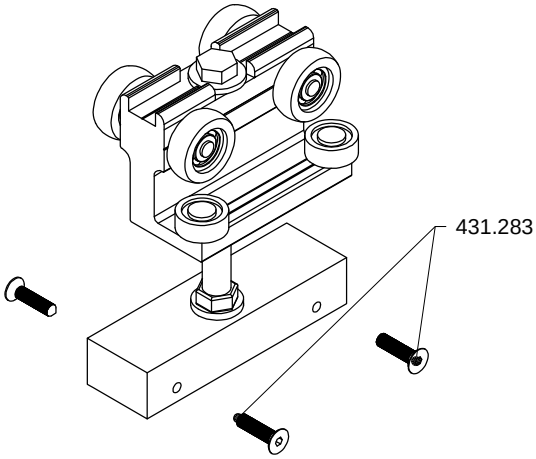
Otvoreni položaj

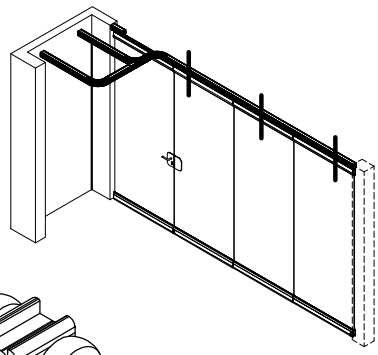


Zatvoreni položaj

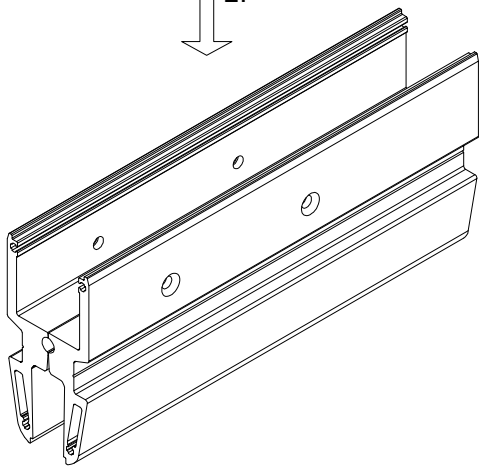


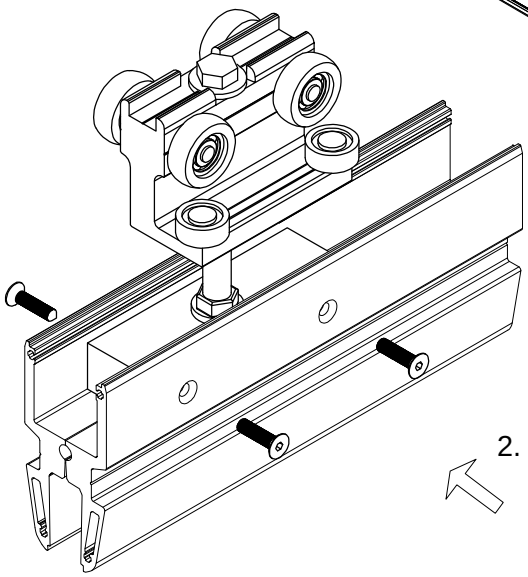
Montaža točkića na kliznim krilima





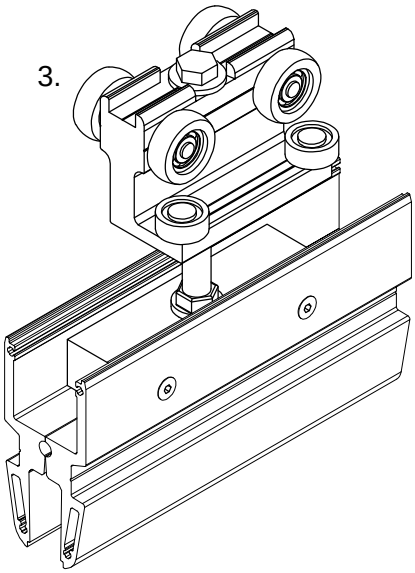
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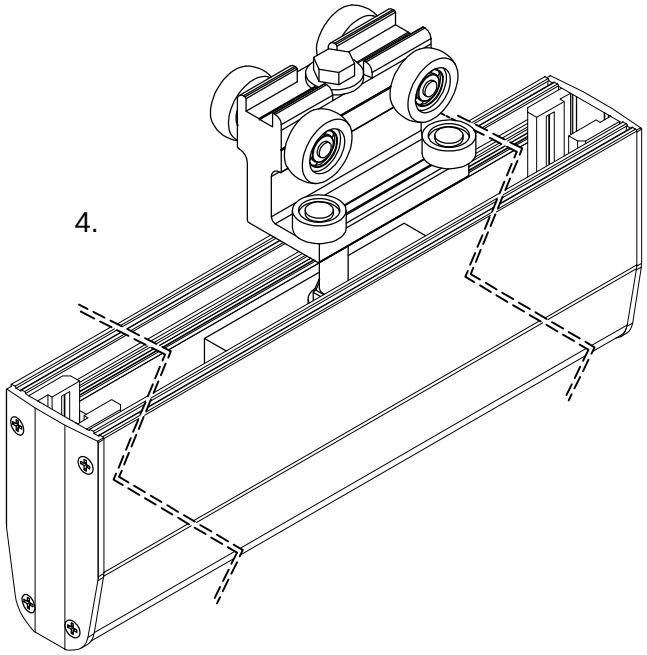


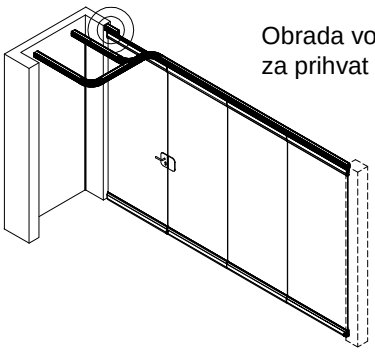
2.

3.

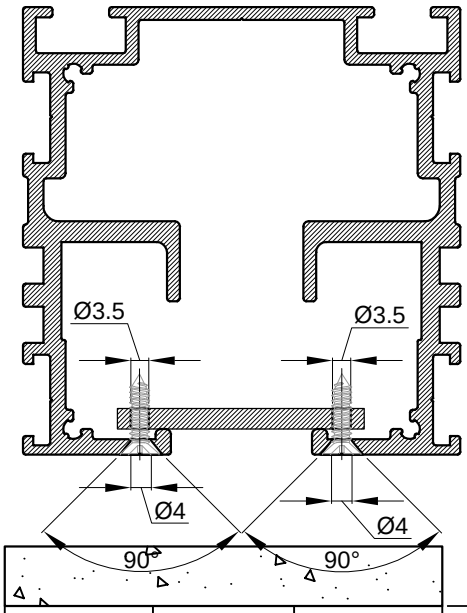


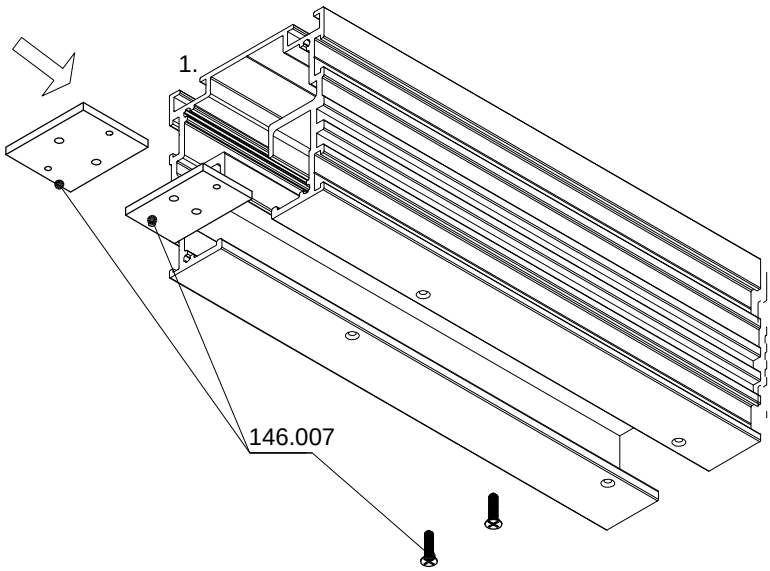
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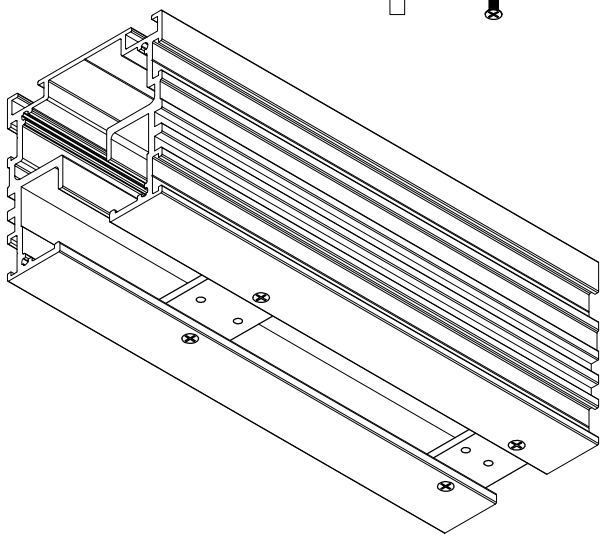


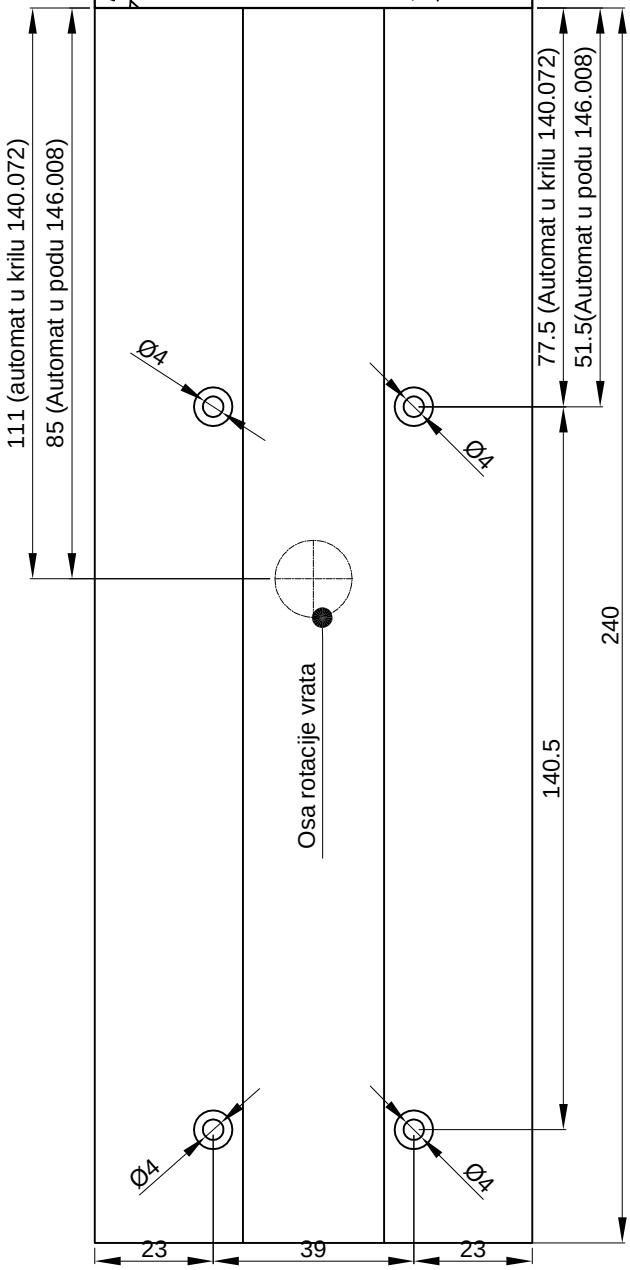


Obrada vodilice i montiranje pločica
za prihvat gornjeg okova 146.007

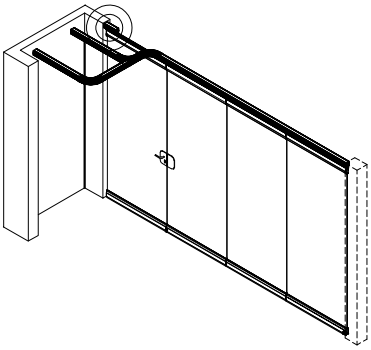




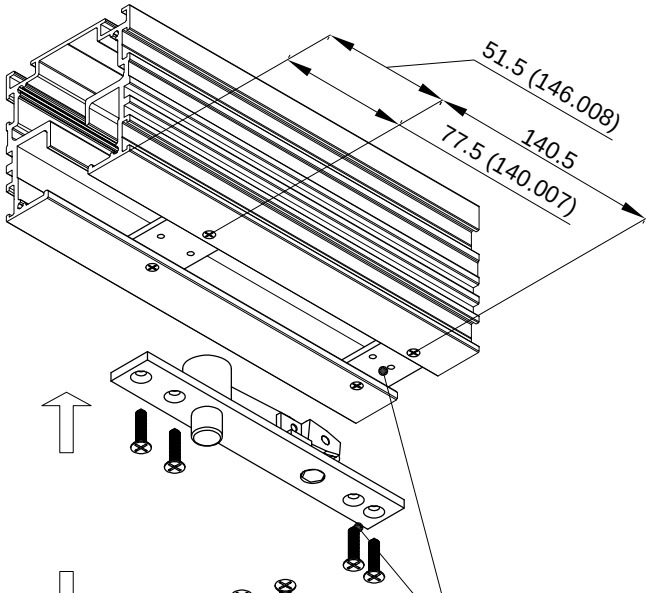




Montiranje gornjeg okova 146.007

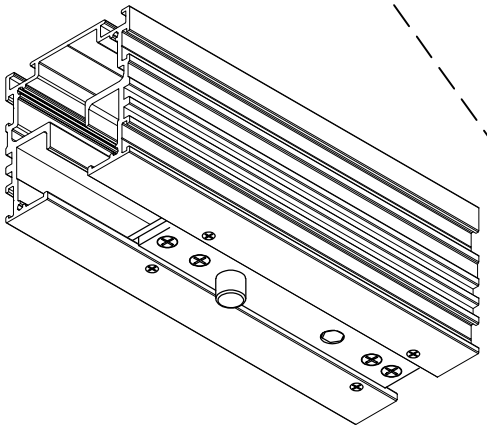


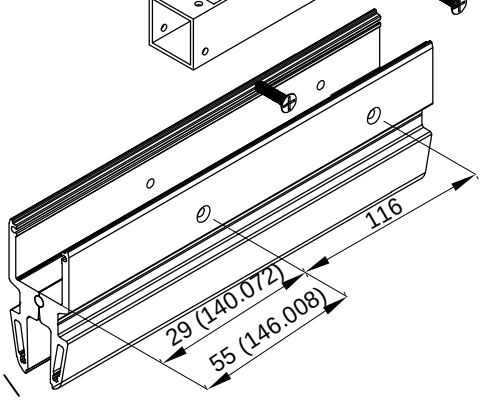
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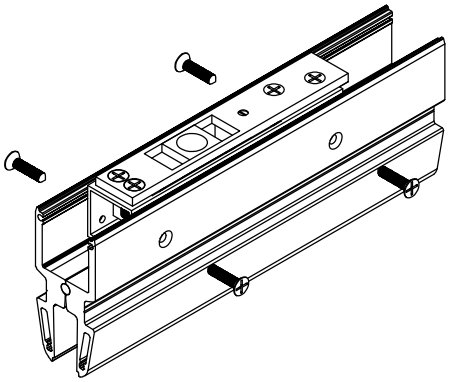


146.007

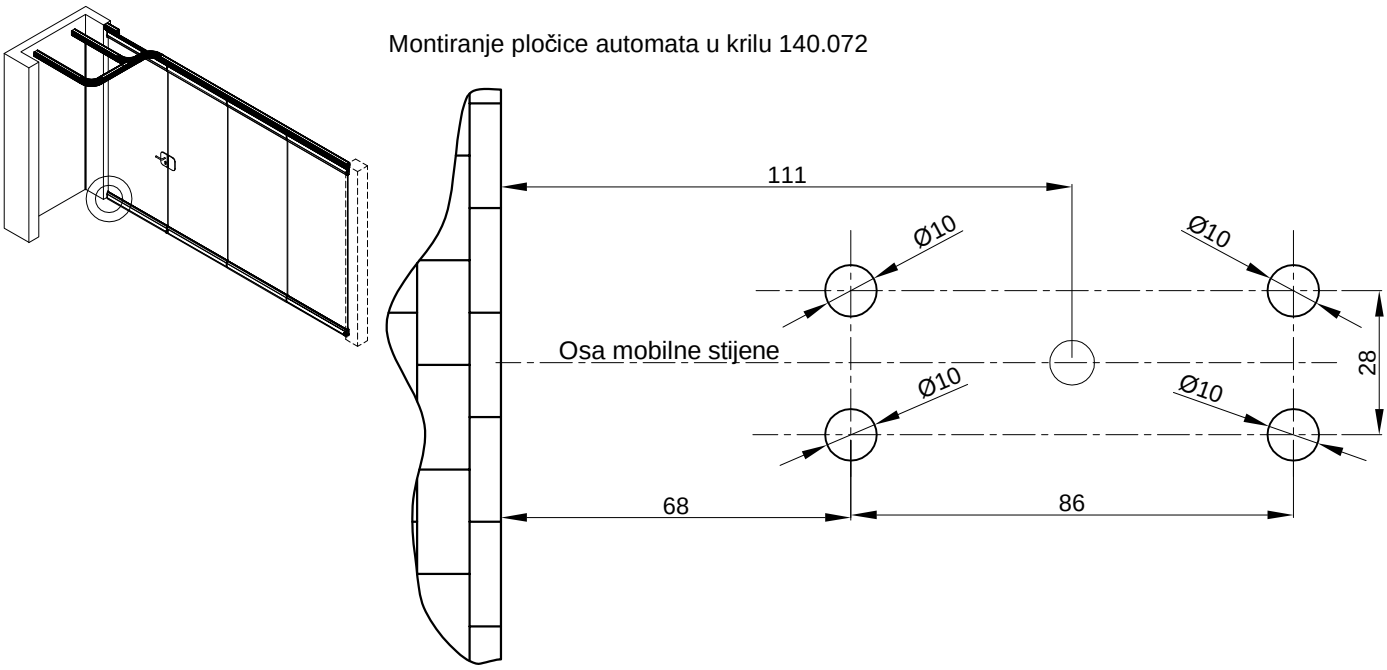
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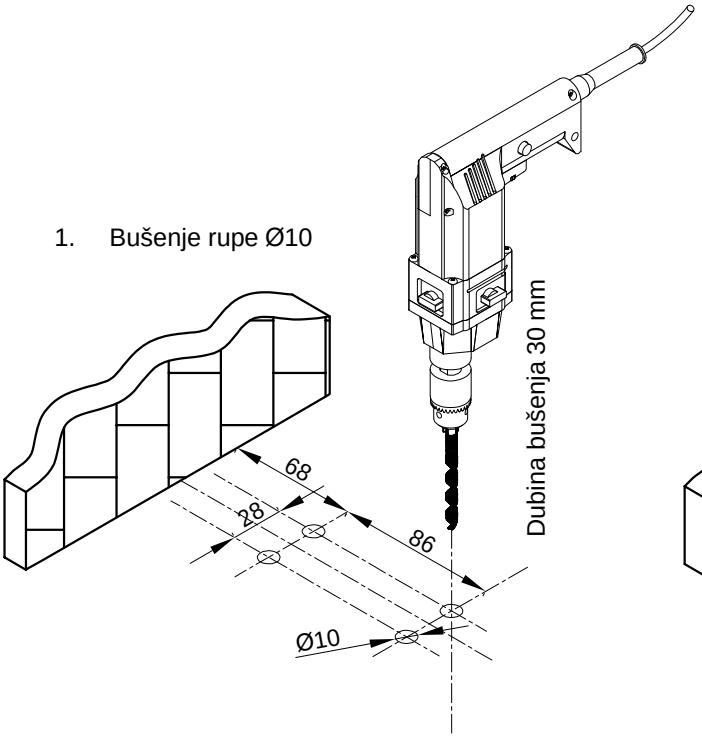




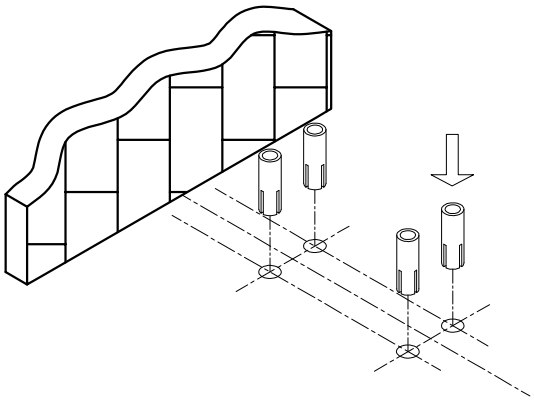
Montiranje pločice automata u krilu 140.072

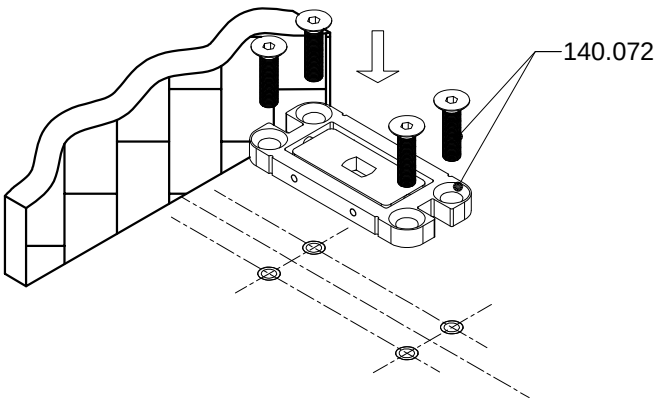


1. Bušenje rupe Ø10

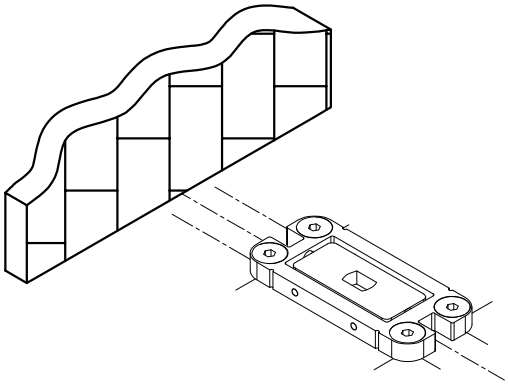


2. Postavljanje čahura za prihvat vijka

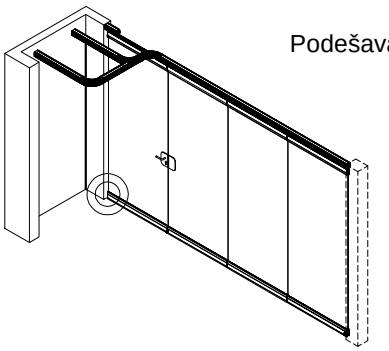




3. Pričvršćivanje pločice vijcima

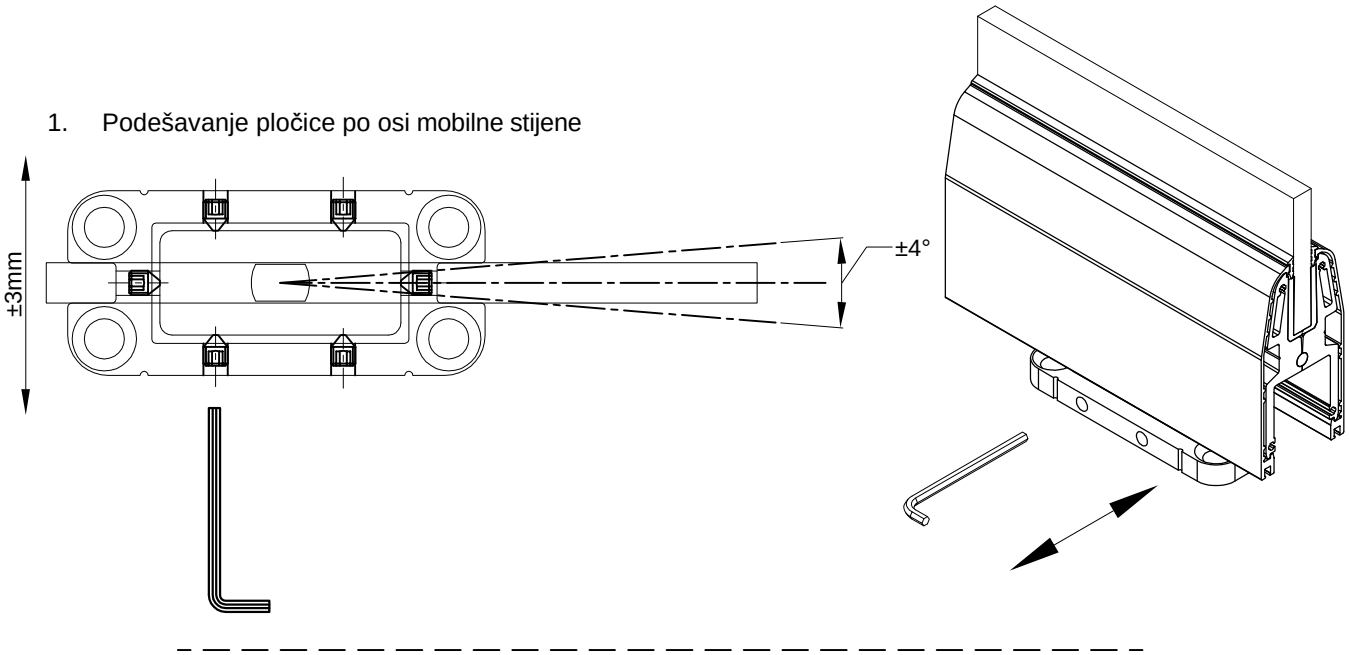


4. Montirana pločica

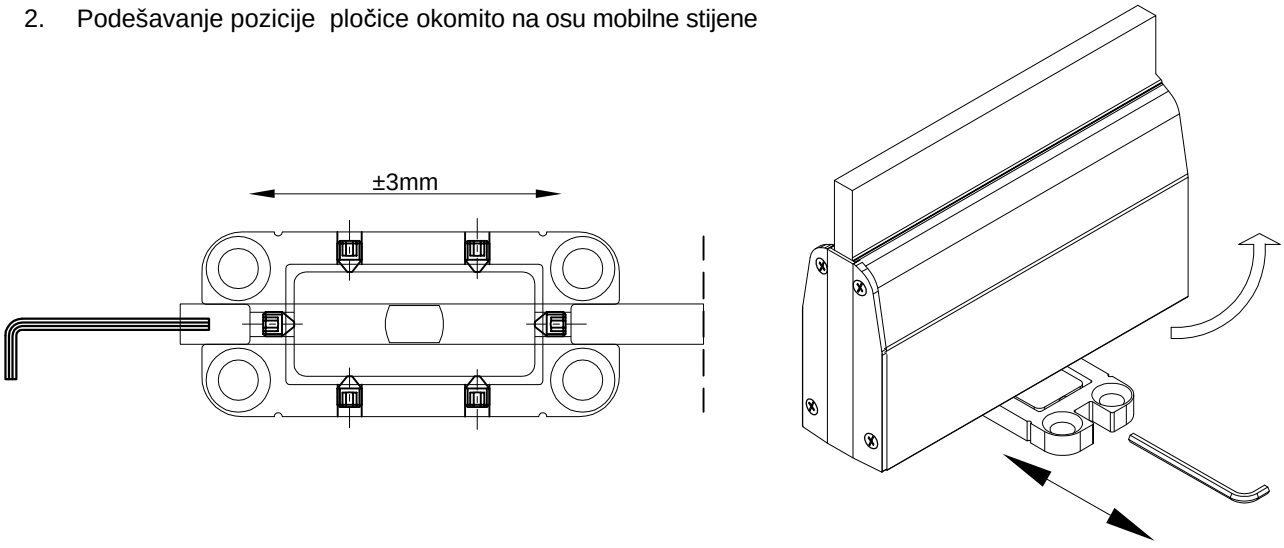


Podešavanje pločice automata u krilu 140.072

1. Podešavanje pločice po osi mobilne stijene

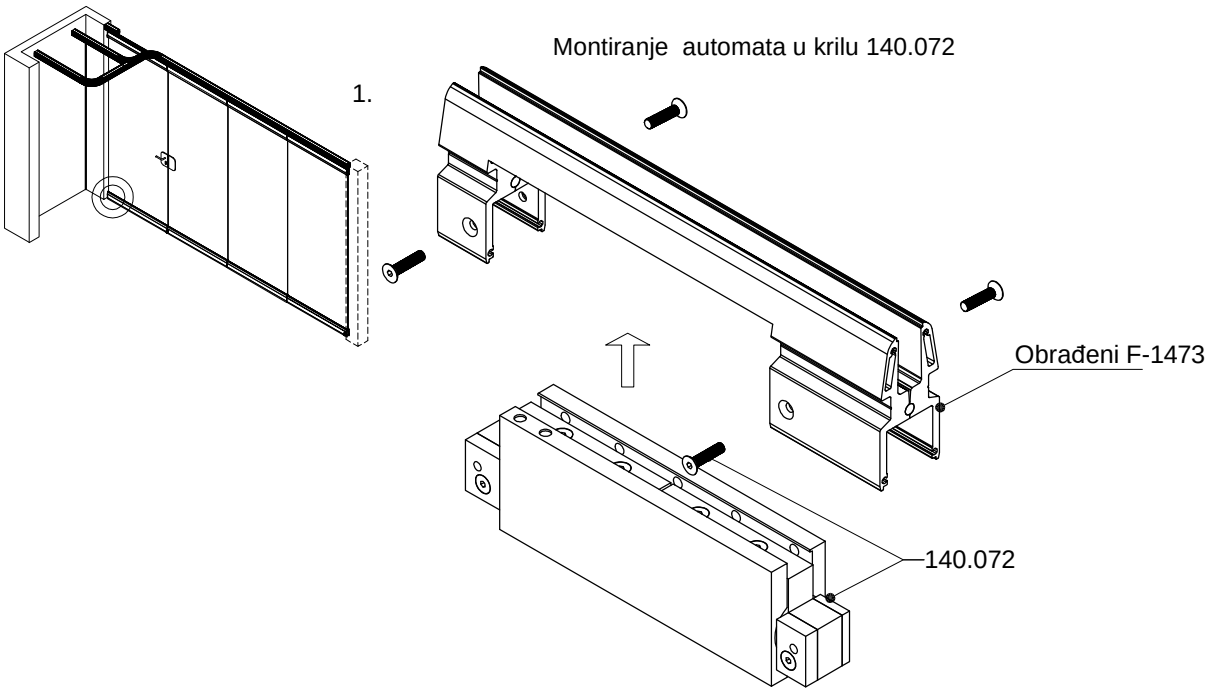


2. Podešavanje pozicije pločice okomito na osu mobilne stijene

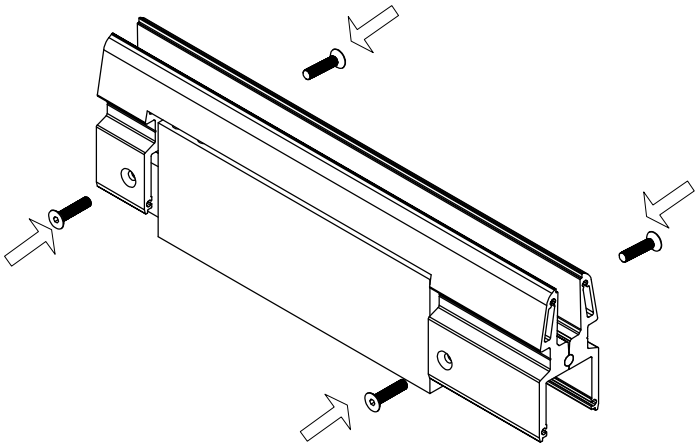


Montiranje automata u krilu 140.072

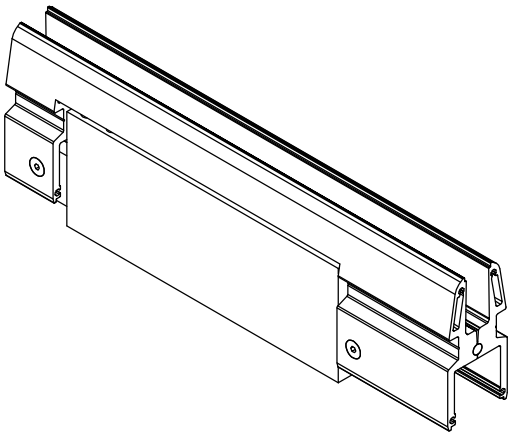
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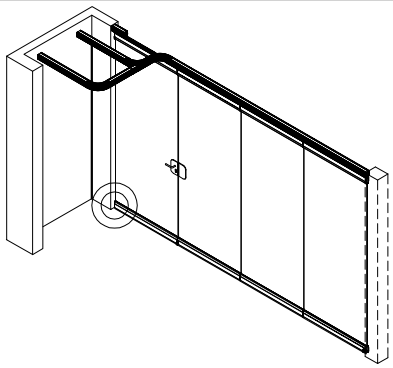
2.

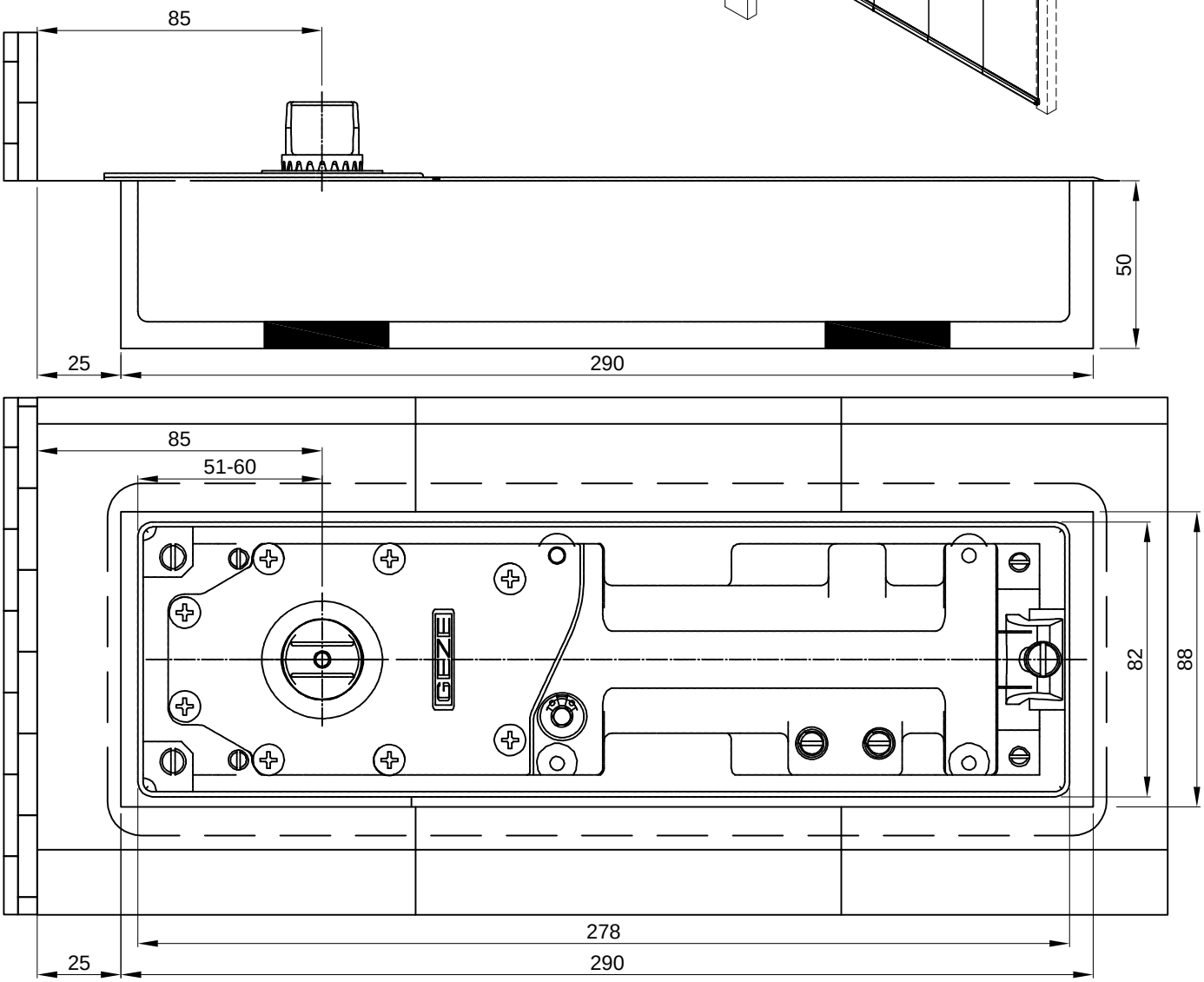


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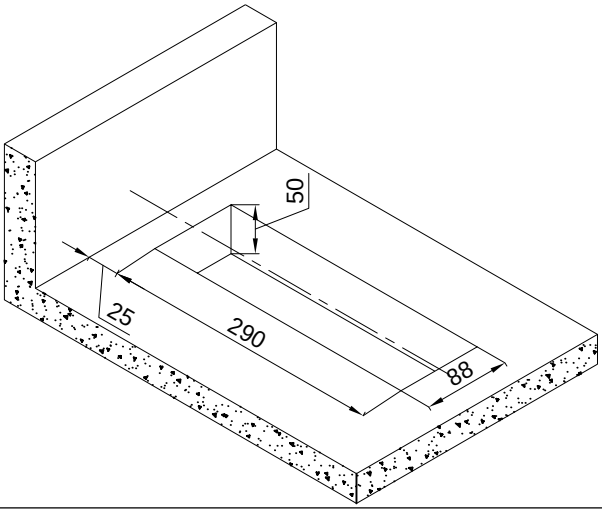


Montiranje donjeg automata u podu 146.008

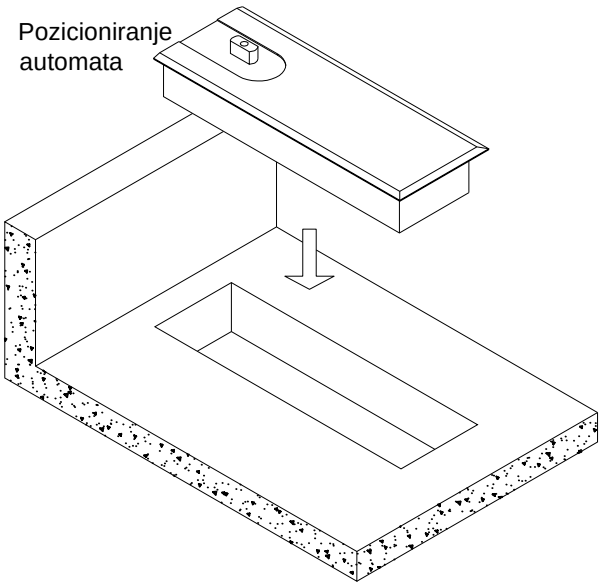




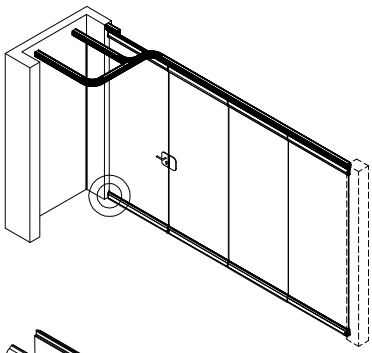
1. Dimenzije rupe za automat u podu



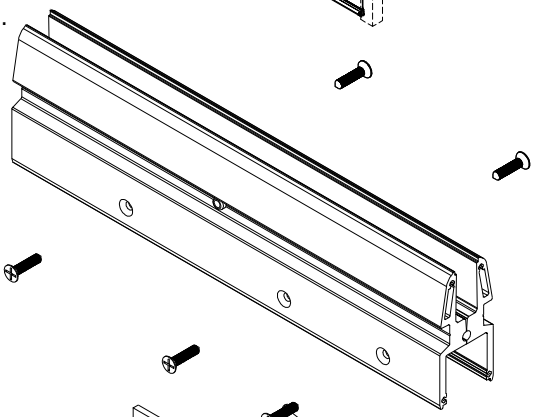
2. Pozicioniranje automata

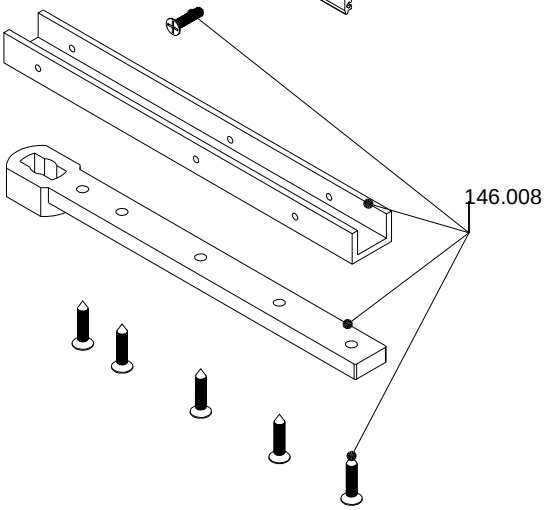


Montiranje poluge u donju stopu

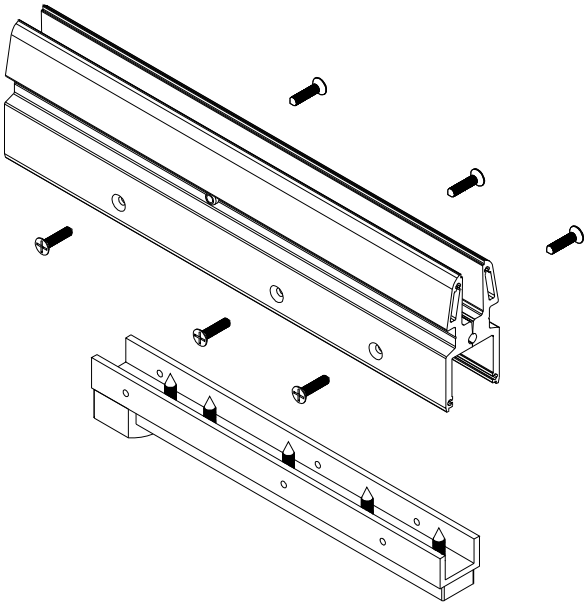


1.

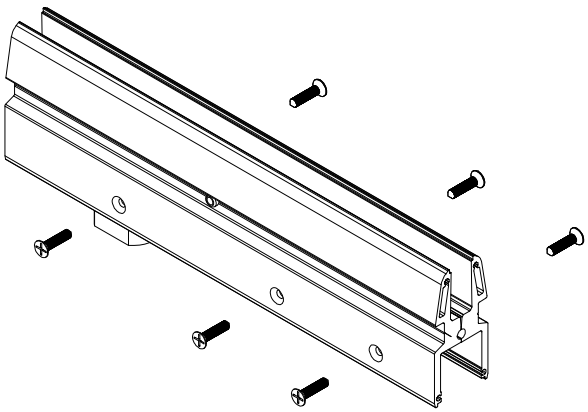




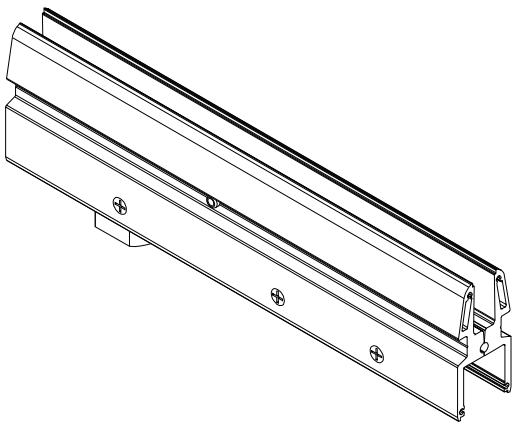
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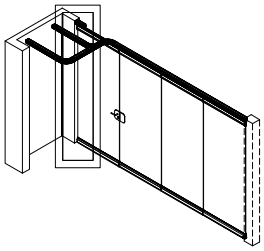
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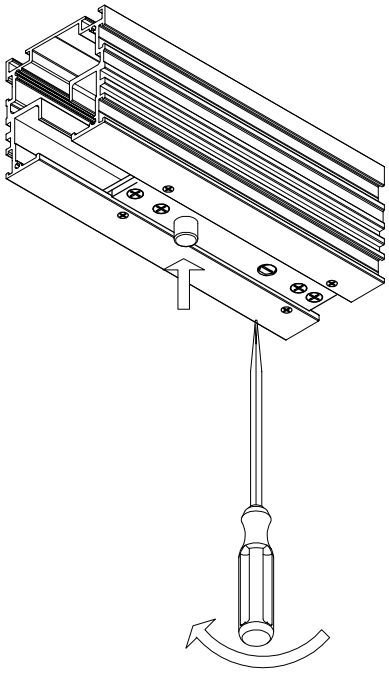
4.



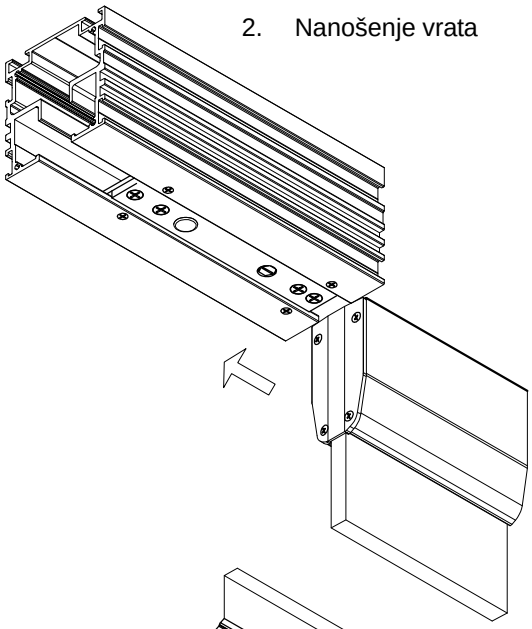
Montiranje mimokretnih vrata

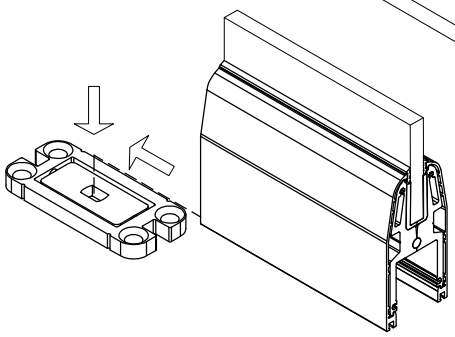


1. Podizanje trna zbog nanošenja vrata

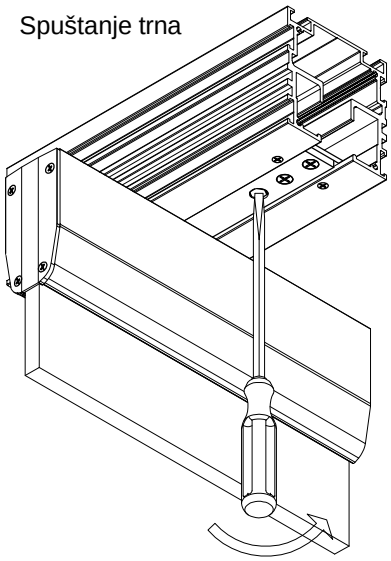


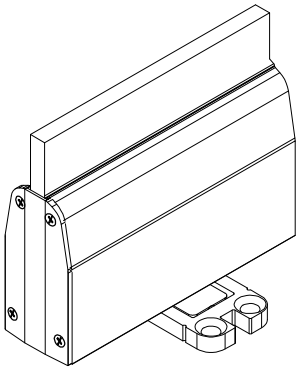
2. Nanošenje vrata



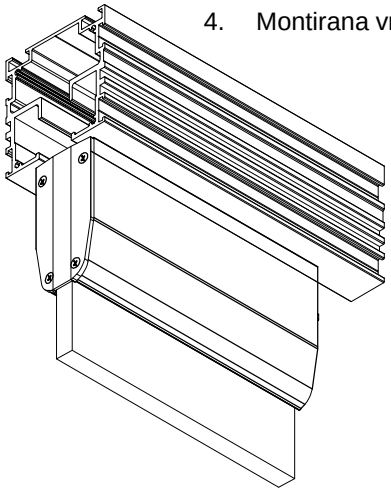


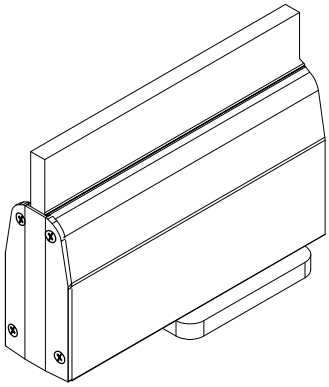
3. Spuštanje trna



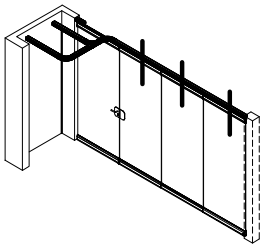


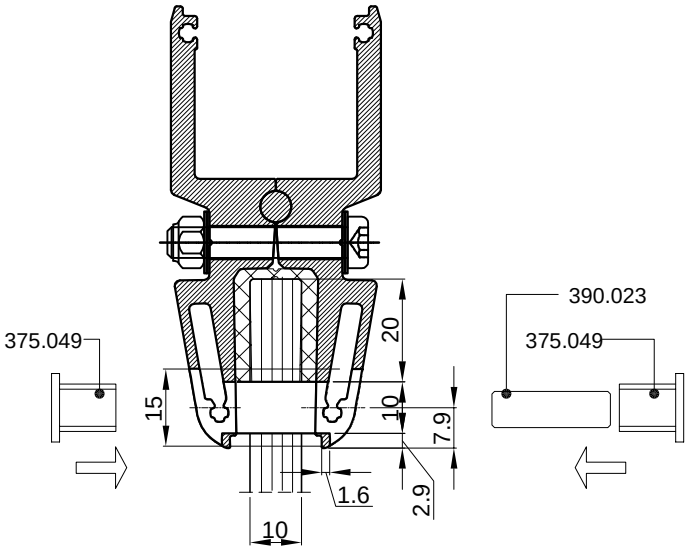
4. Montirana vrata



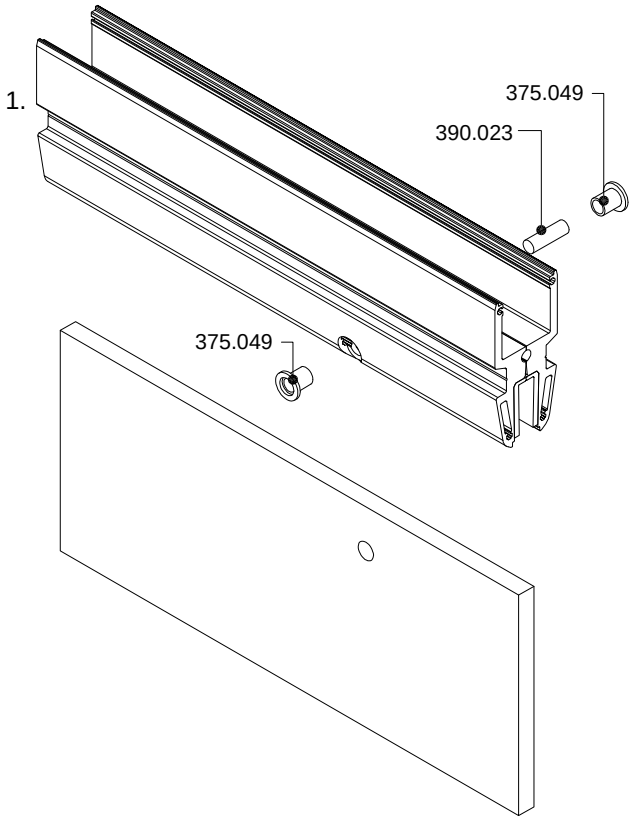


Montiranje sigurnosnog držača stakla za težine krila iznad 70 kg

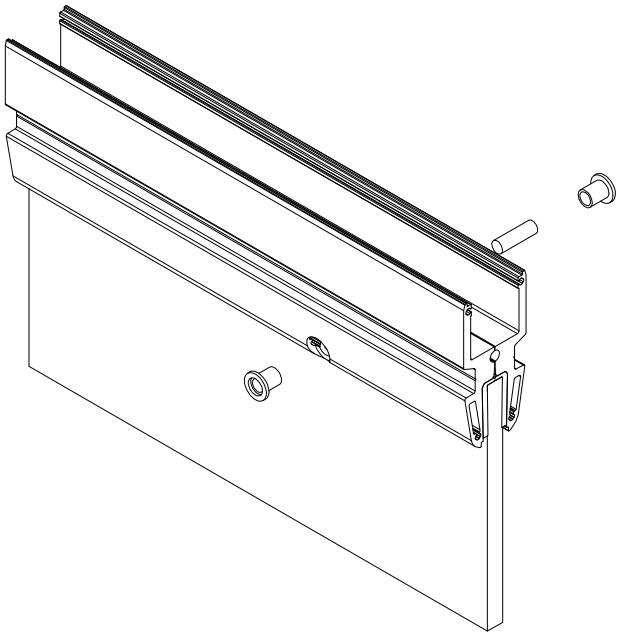




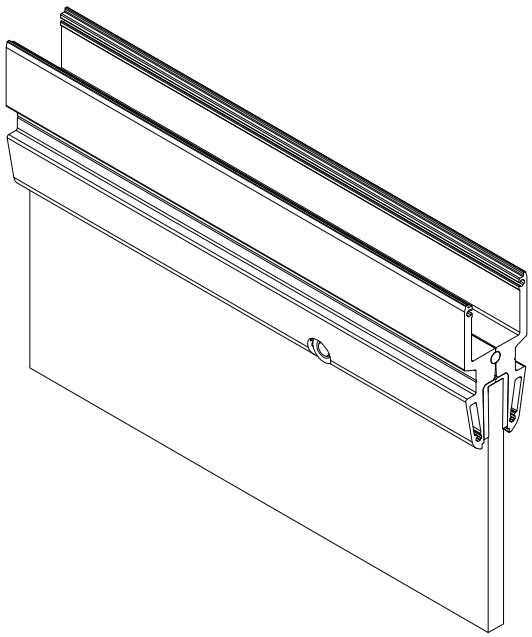
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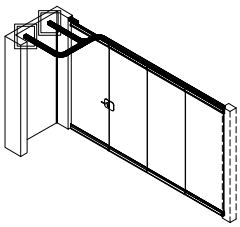
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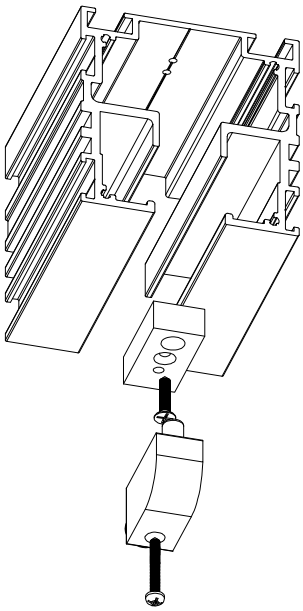


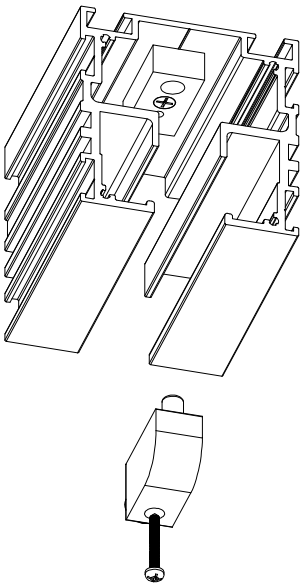
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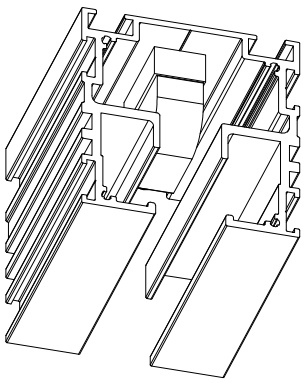


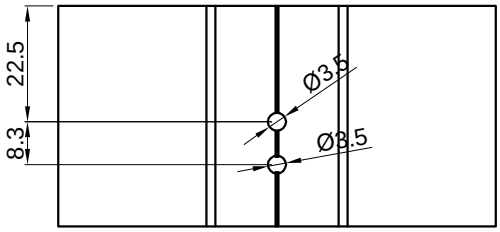
Montiranje stopera na kraju parking prostora

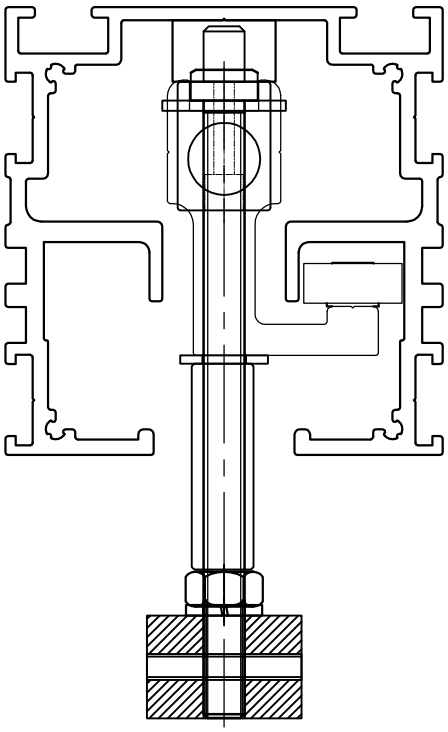


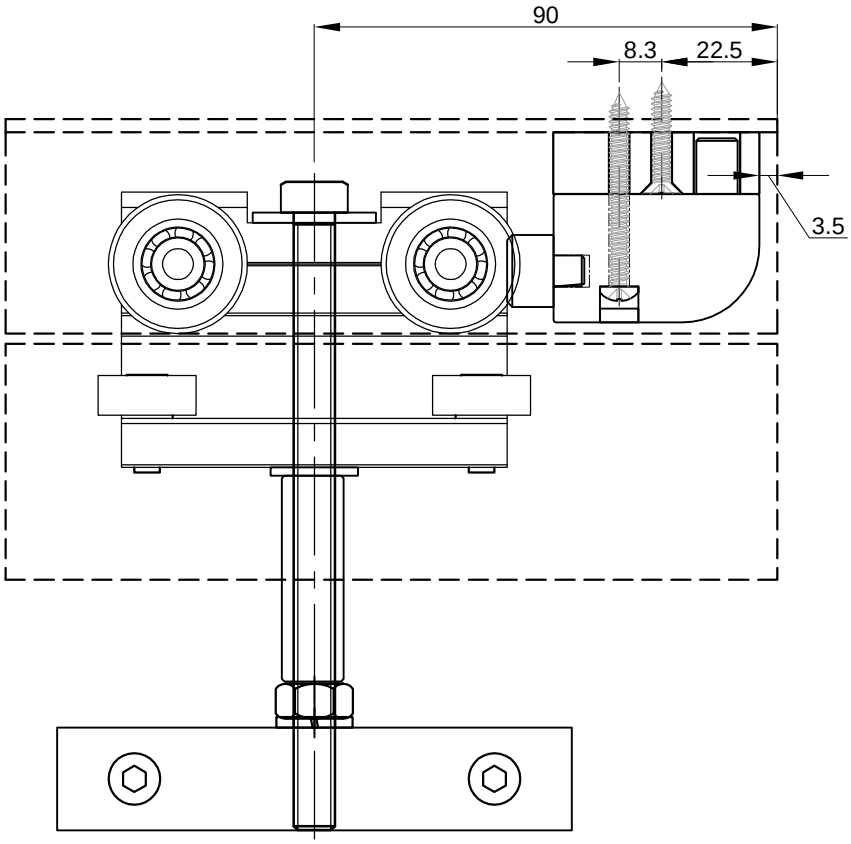






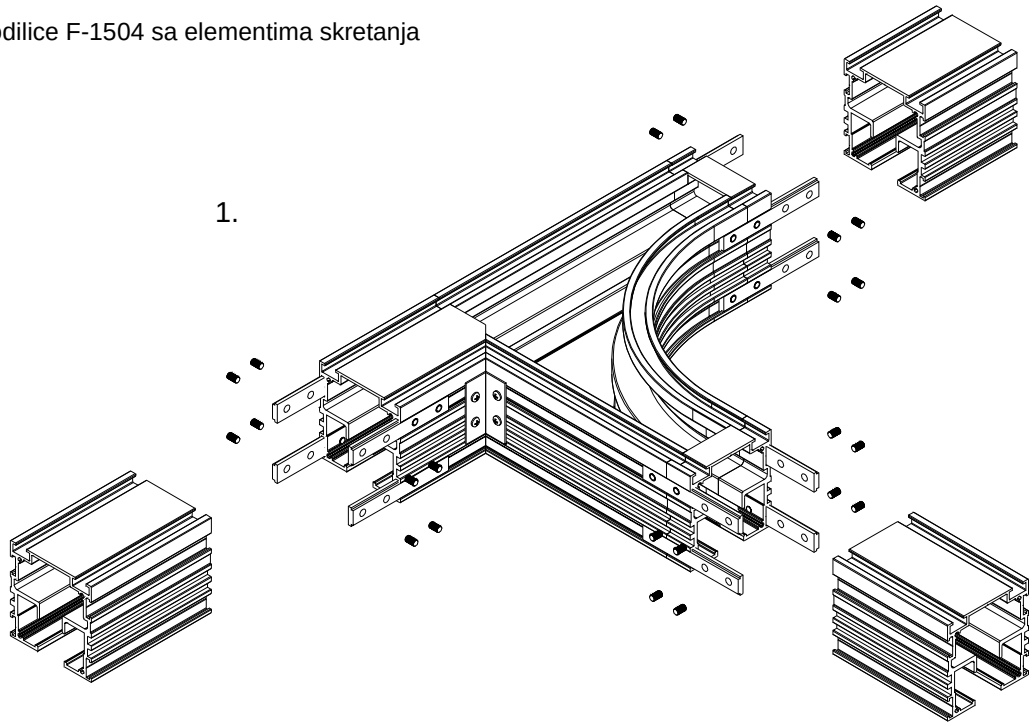




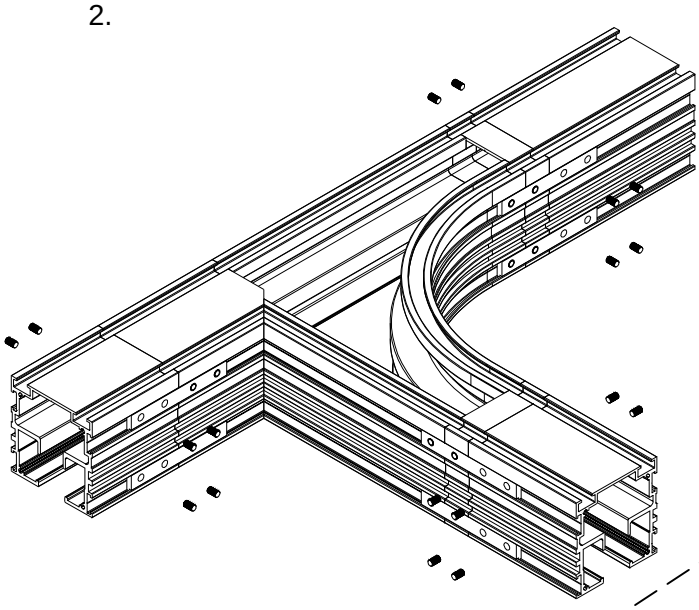


Spajanje vodilice F-1504 sa elementima skretanja

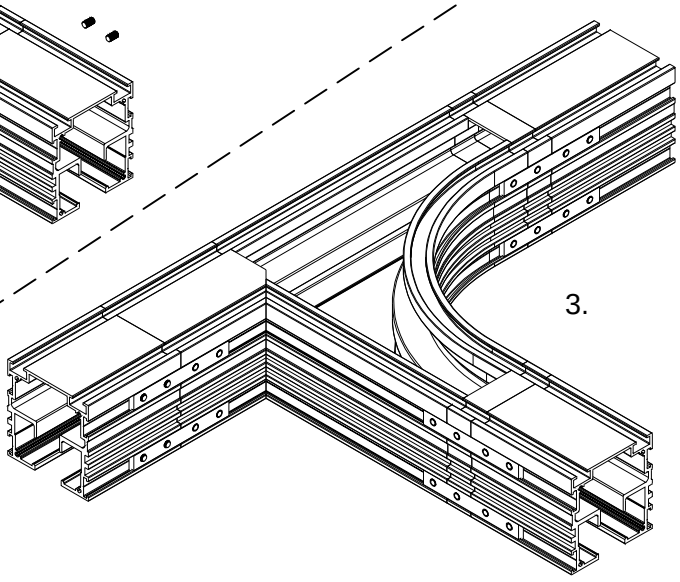
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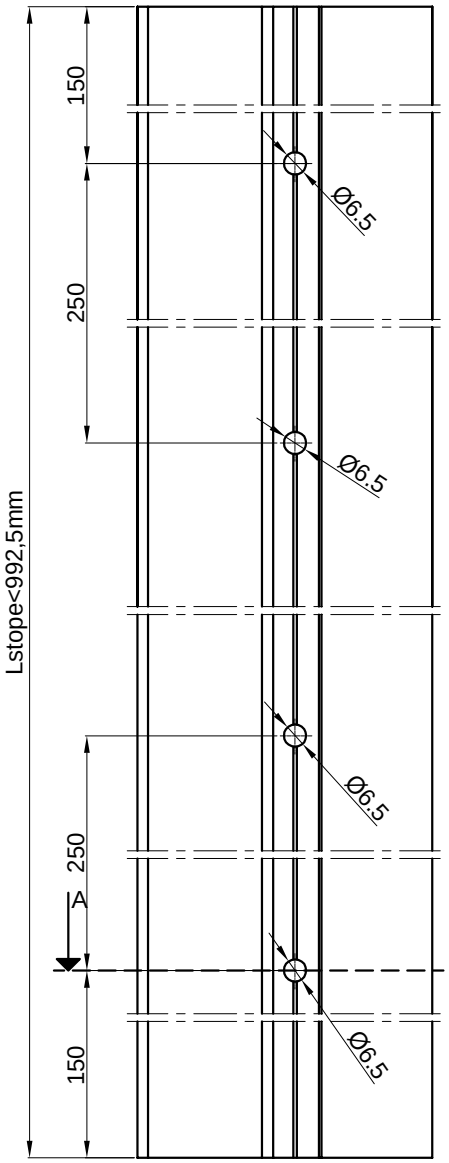
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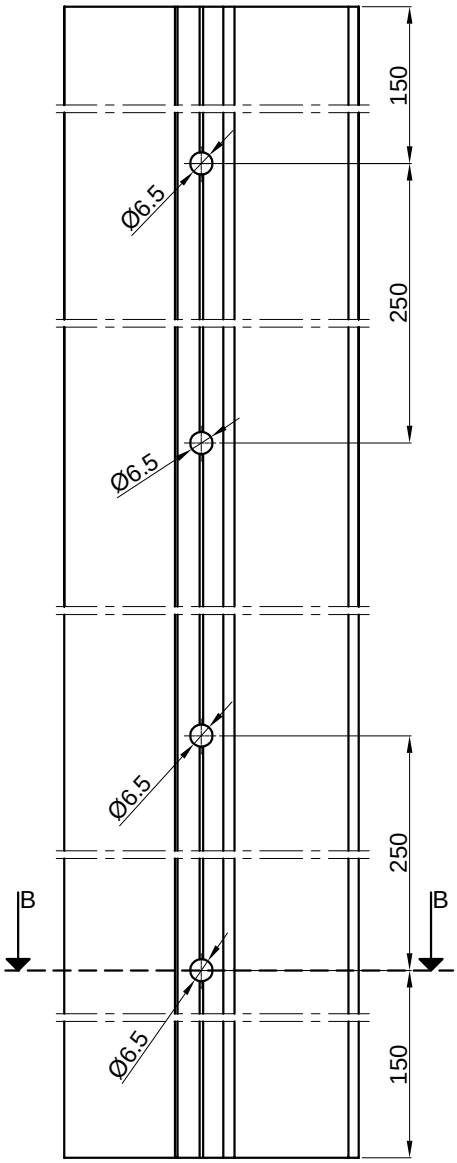


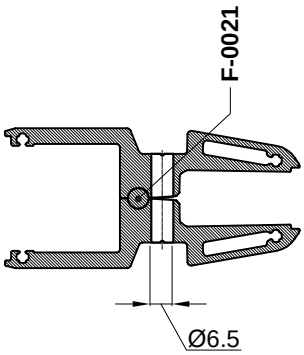
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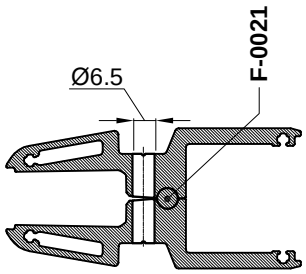
Zaokretno krilo harmonika otvaranje





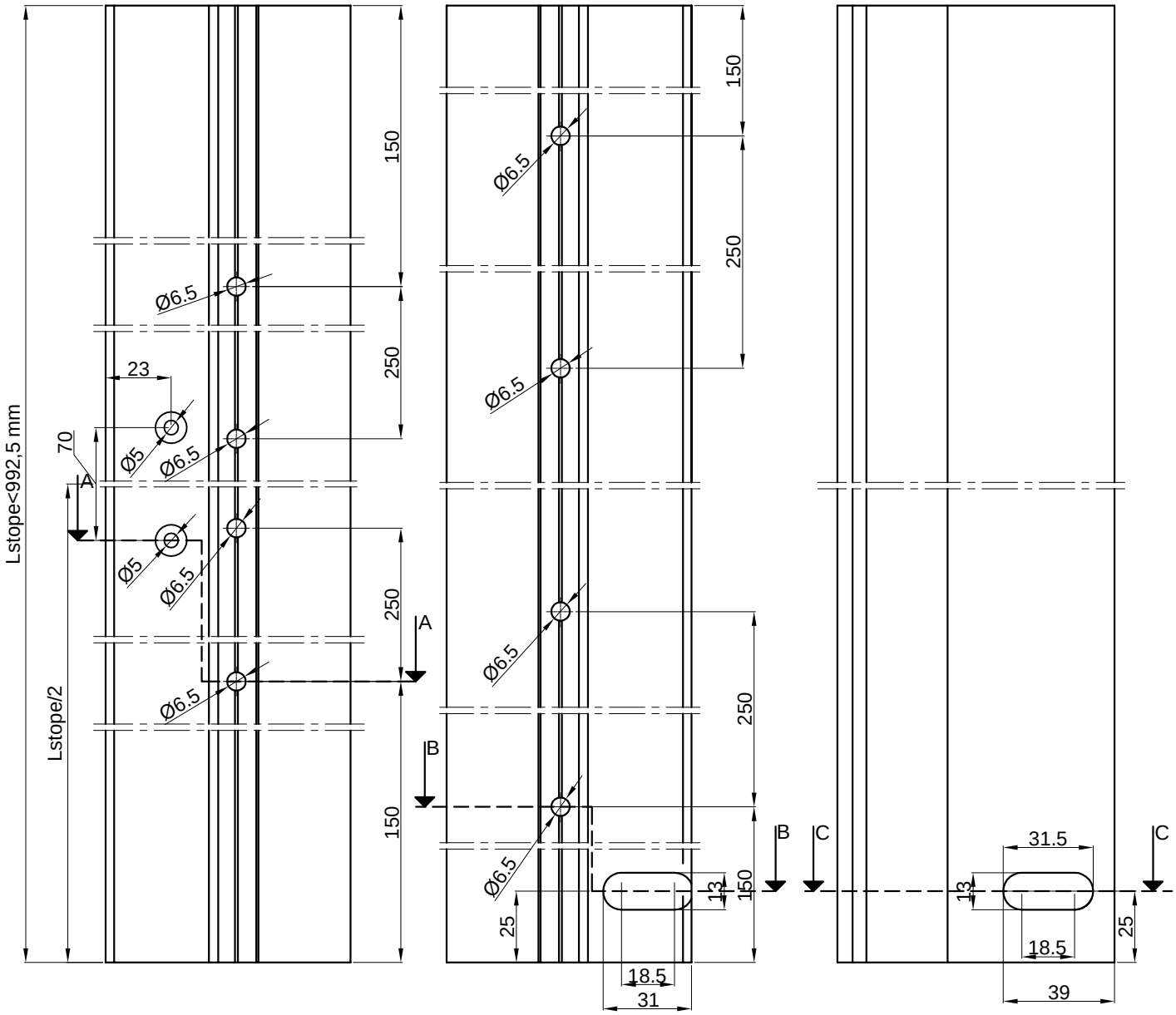


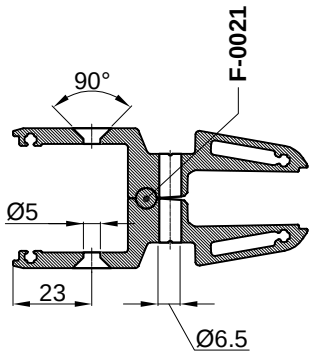
Presjek A-A



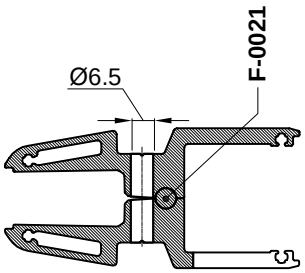
Presjek B-B

Obrada profila F-1473 za srednja krila

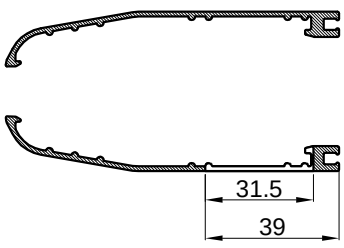




Presjek A-A

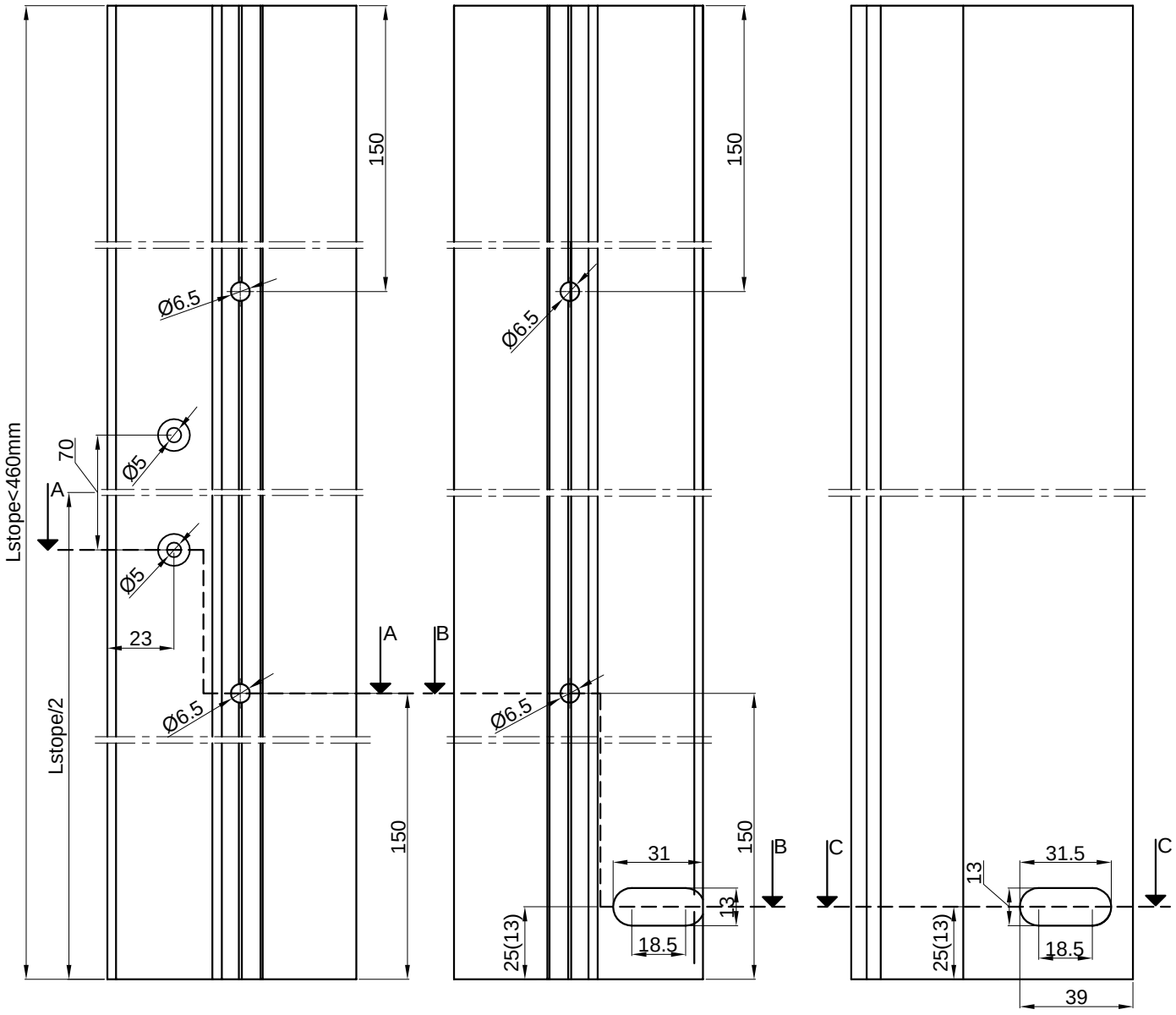


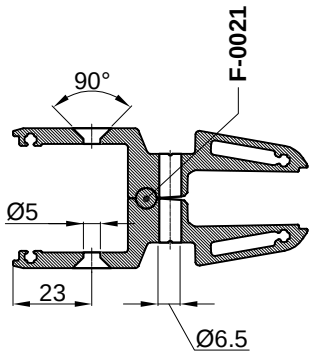
Presjek B-B



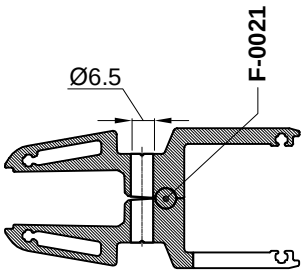
Presjek C-C

Malo (prvo) krilo harmonika otvaranje

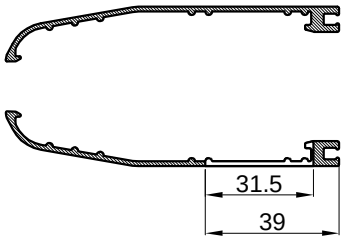




Presjek A-A

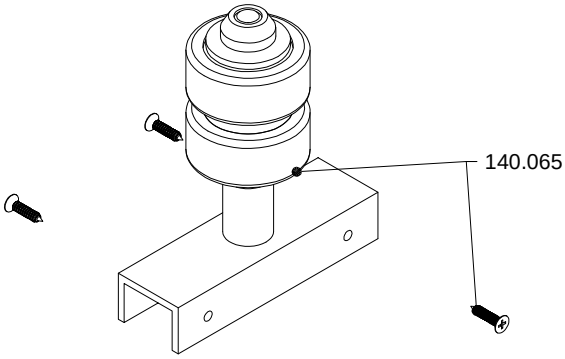


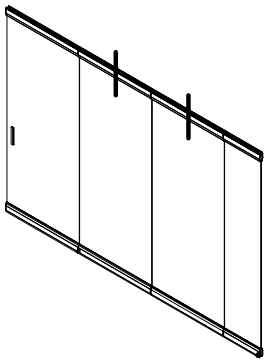
Presjek B-B



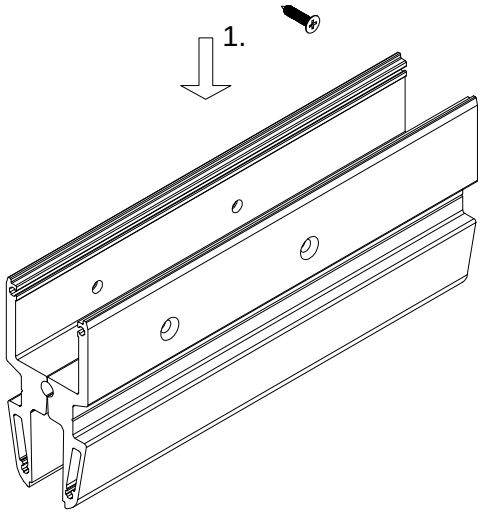
Presjek C-C

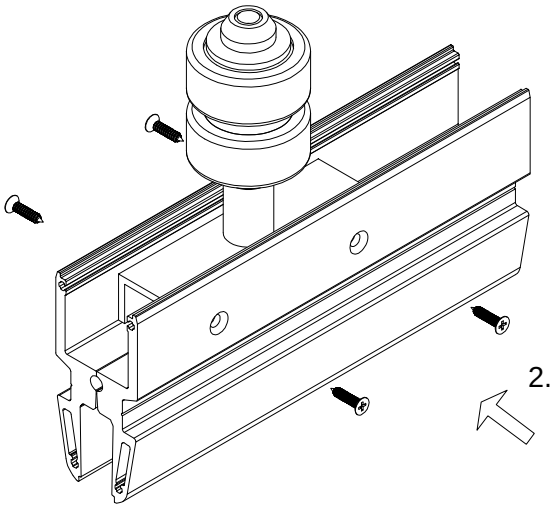
Montaža točkića na harmonika krilima





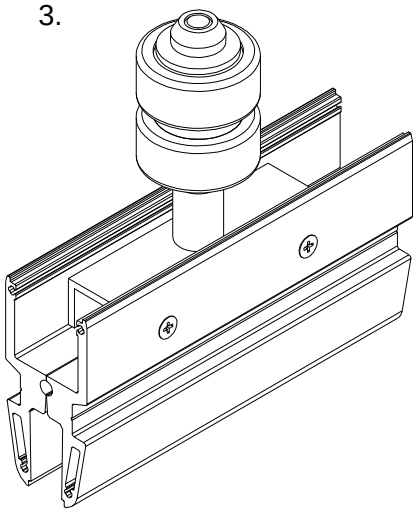
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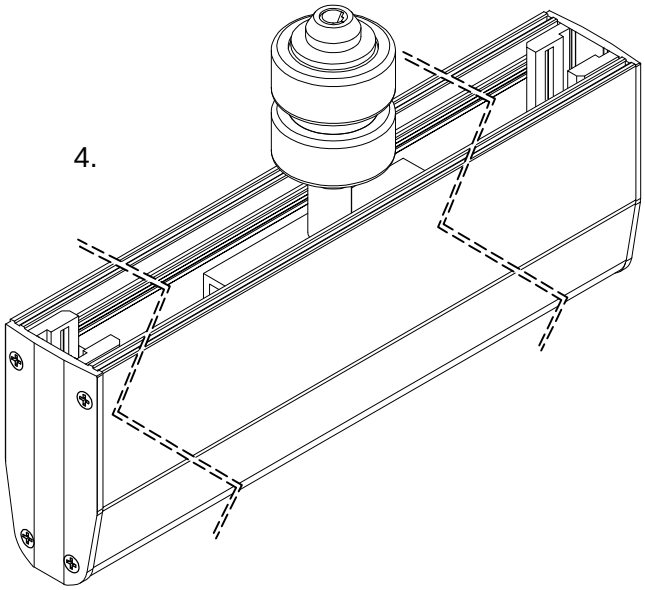


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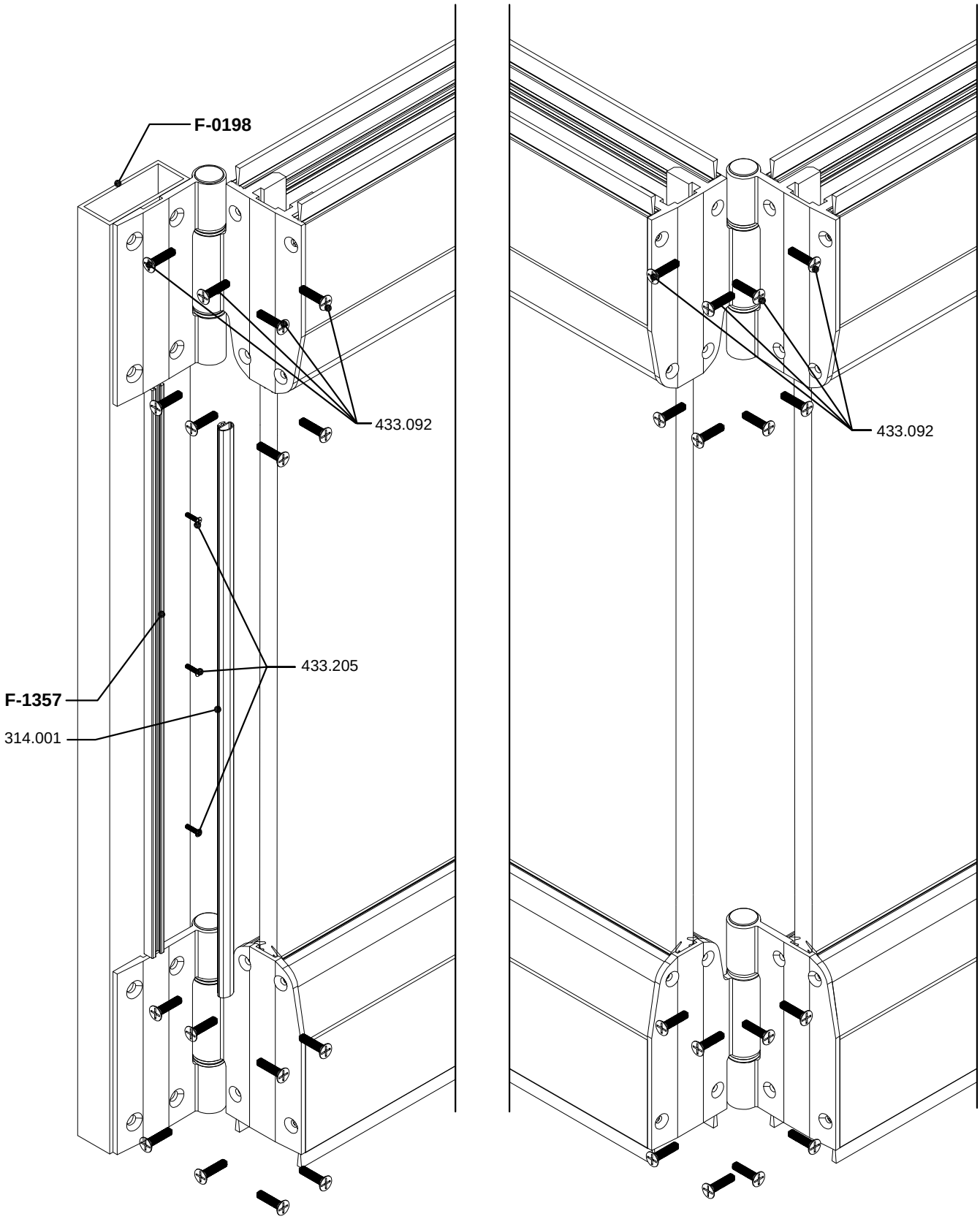
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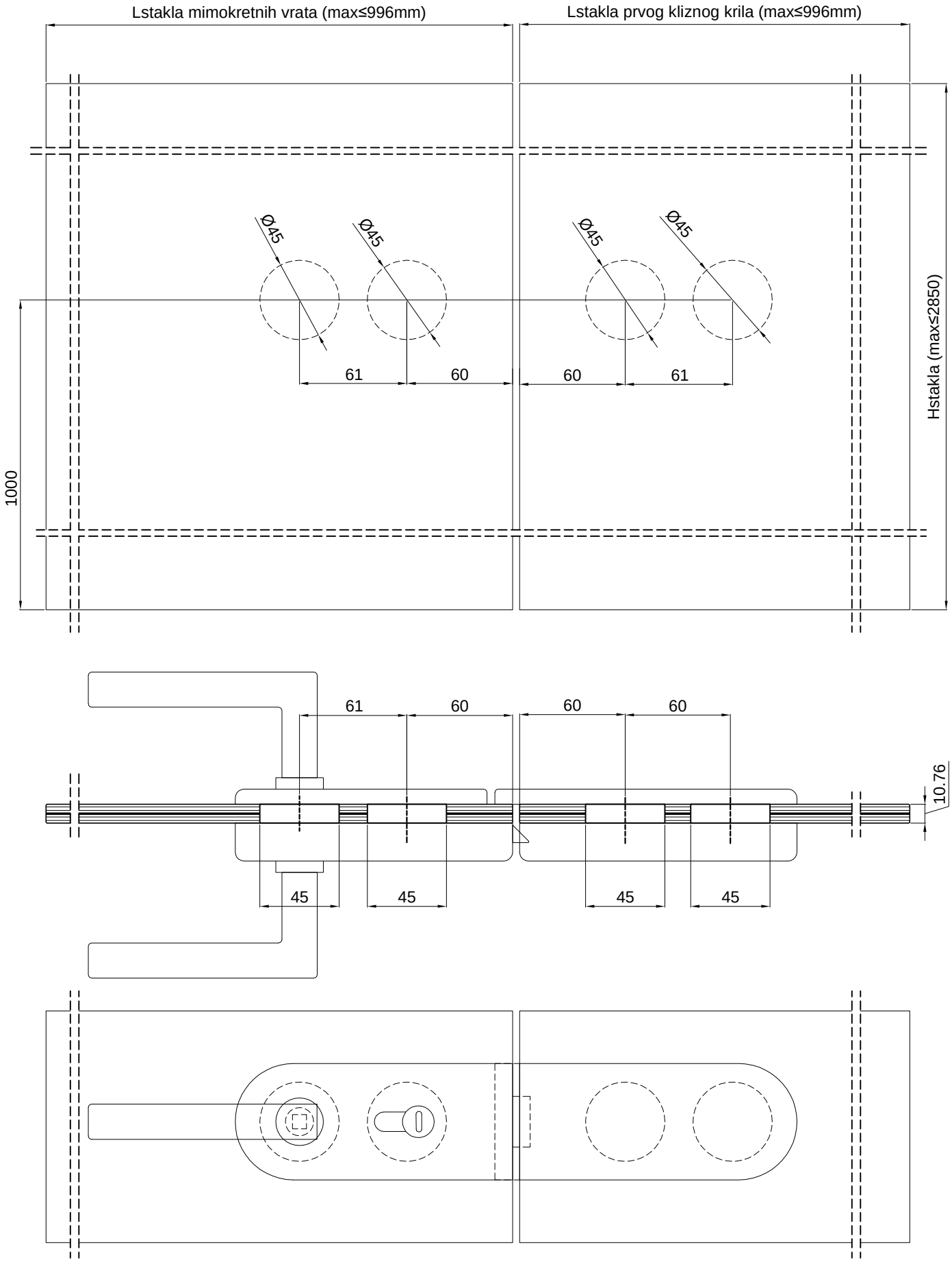
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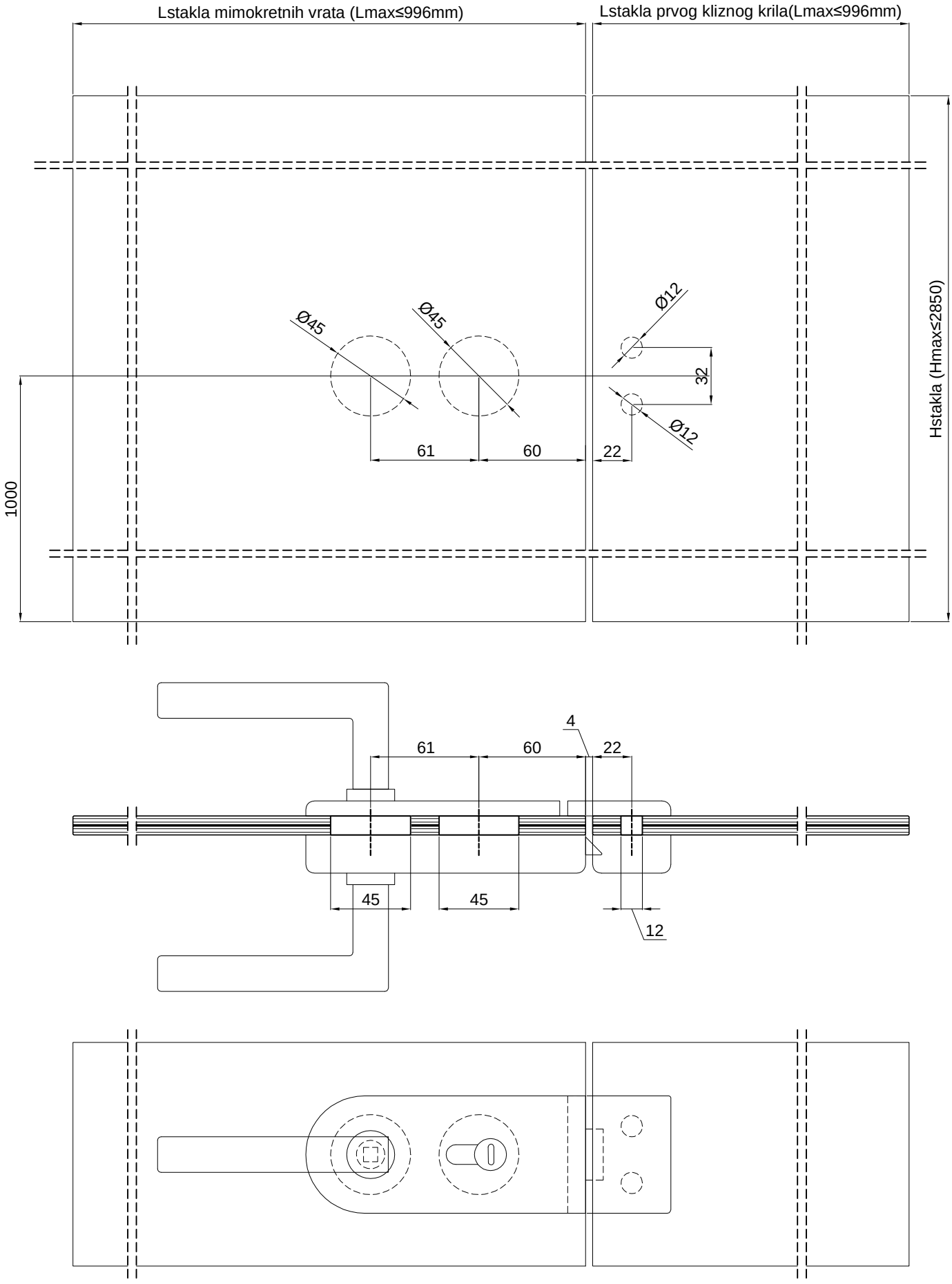
Montaža točkića na harmonika krilima



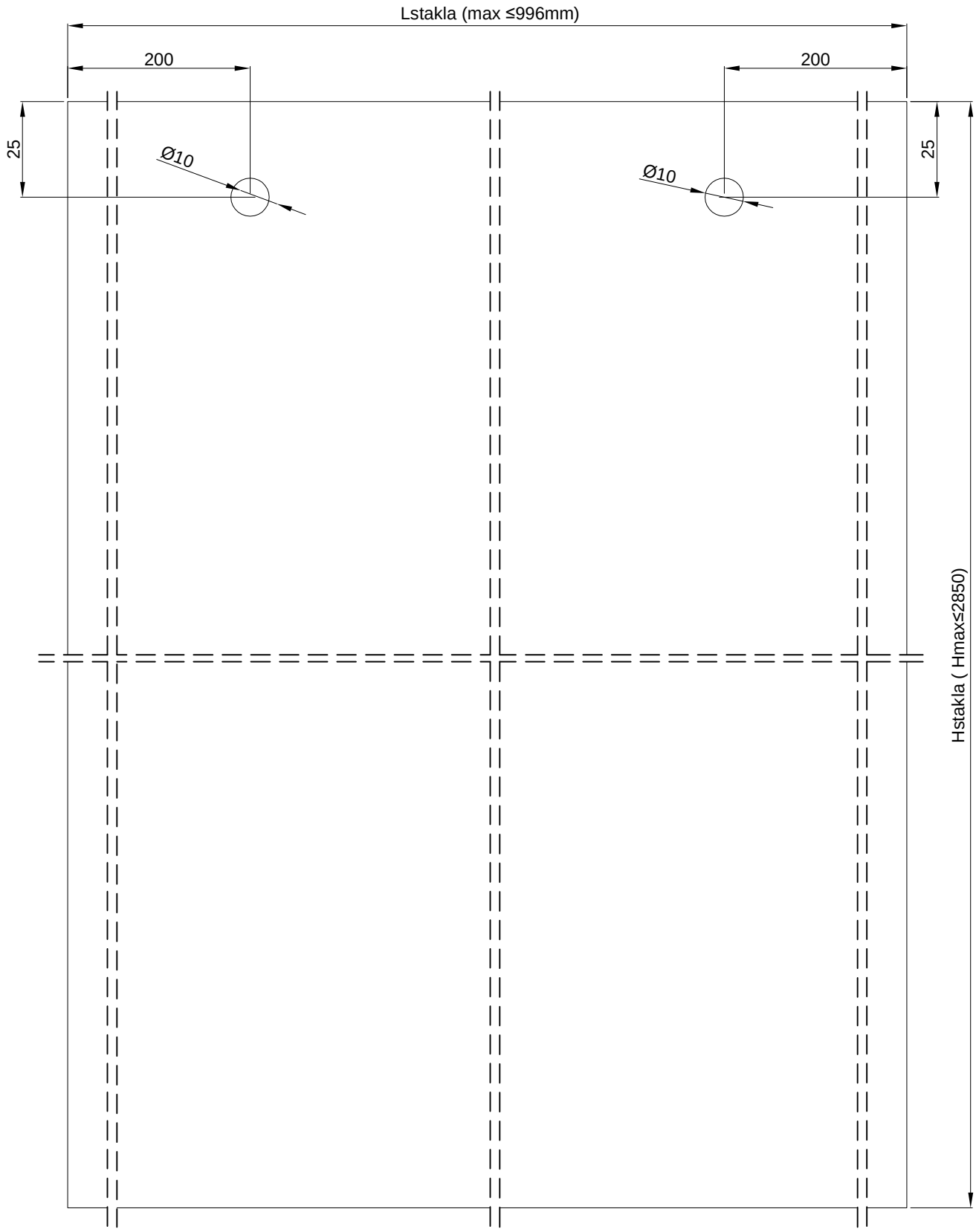
Obrada stakla za bravu 120.008 i prihvatnik brave 120.010



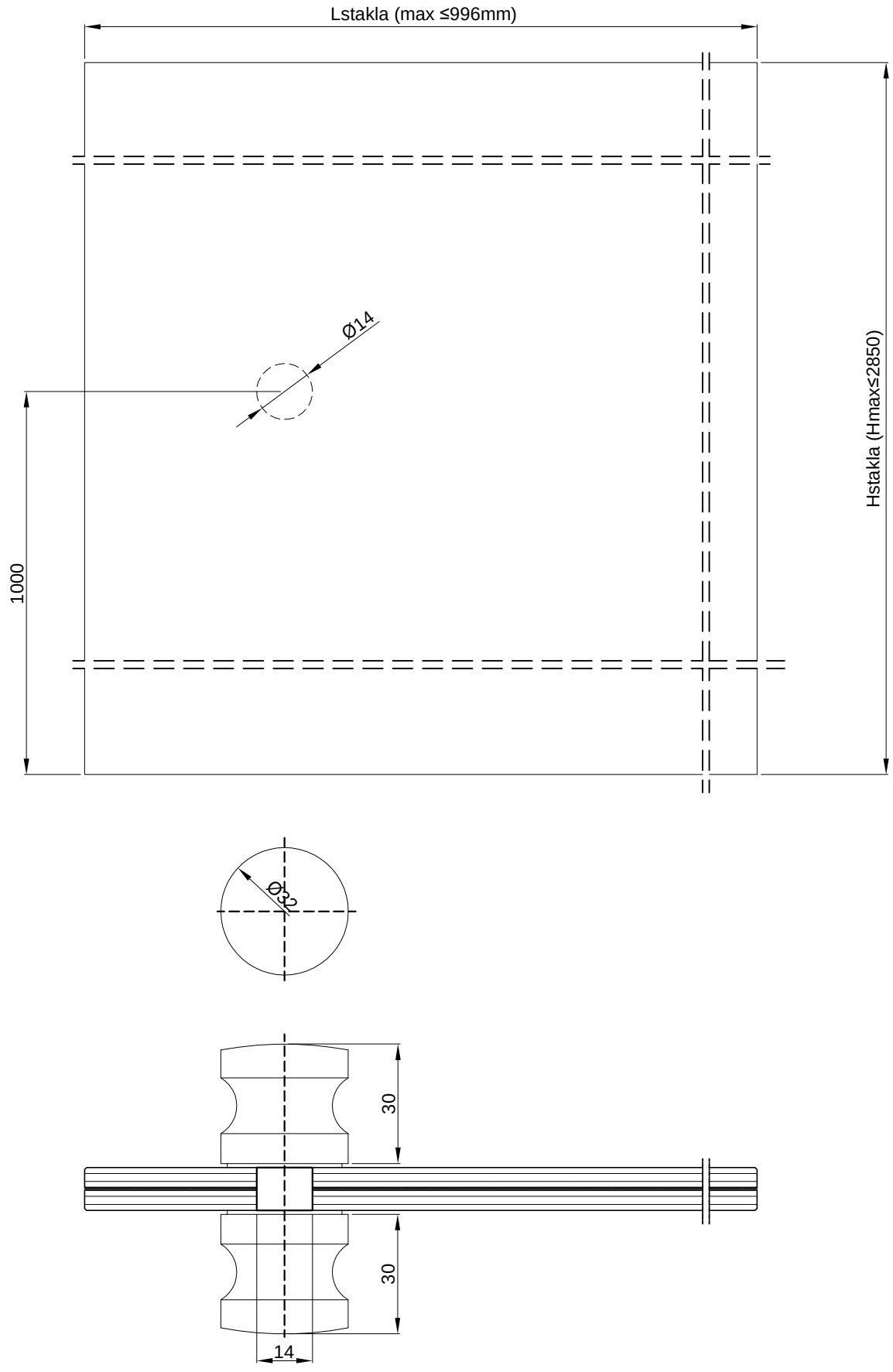
Obrada stakla za bravu 120.008 i mali prihvatnik brave120.011



Obrada stakla za sigurnosni držač

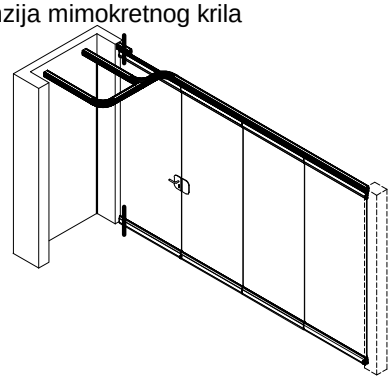


Obrada stakla za ručku za staklena vrata 100.013

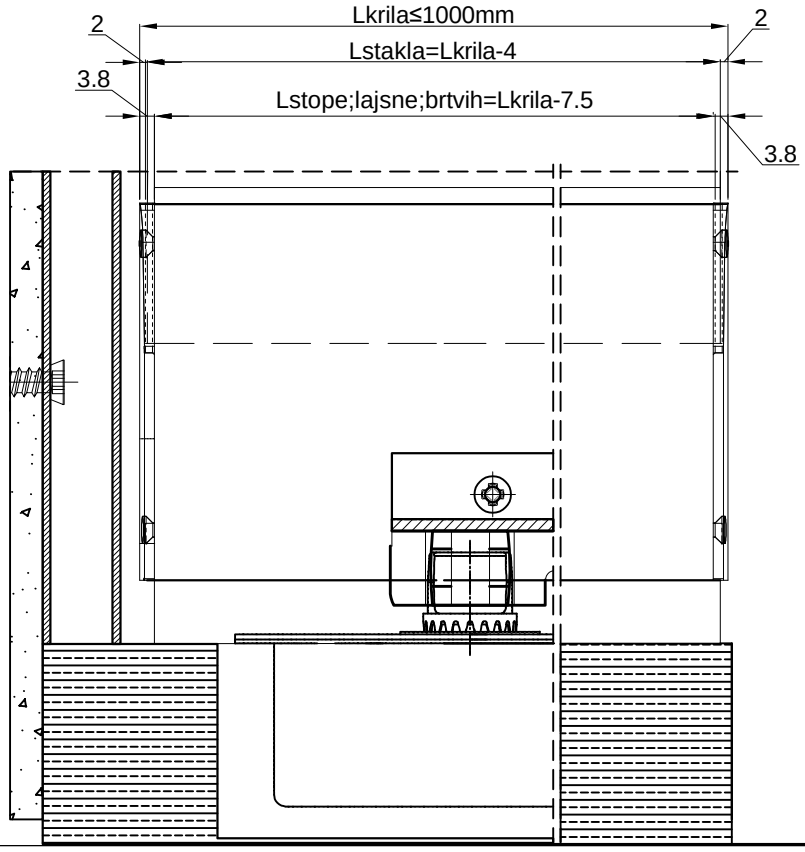


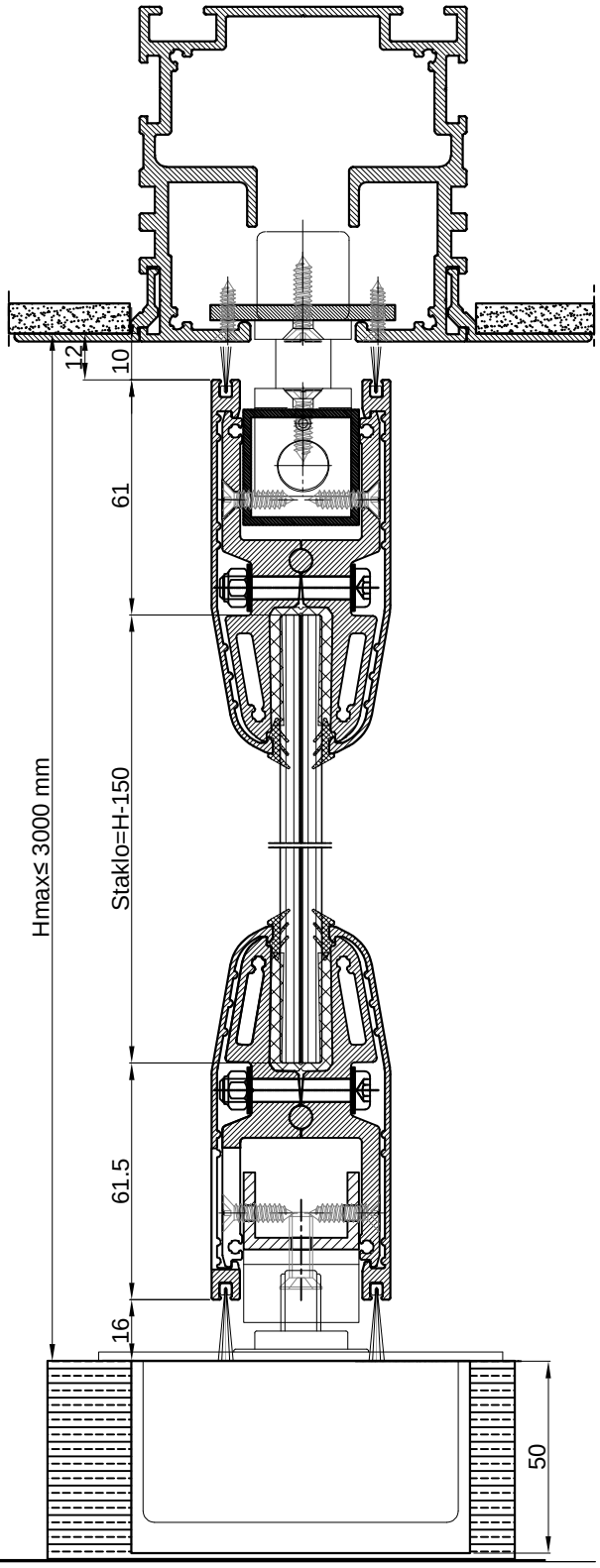
Rezne liste

Izračun dimenzija mimokretnog krila

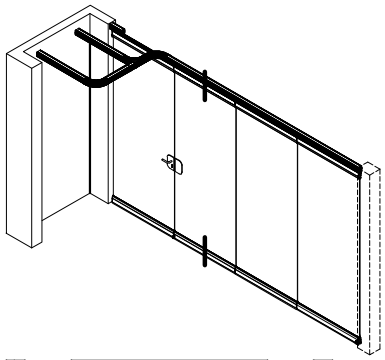


naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	Lkrila-7.5	4	90-90
F-1473	.....	Lkrila-7.5	4	90-90
F-0021	.....	Lkrila-7.5	2	90-90
Brtve				
Brtva u stopi 344.070	.....	Lkrila-7.5	2	
Brtva na stakla 311.001	.....	Lkrila-7.5	4	
Četkasta brtva prema stropu 347.008	.....	Lkrila-7.5	2	
Četkasta brtva prema podu 347.010	.....	Lkrila-7.5	2	
Okovi i vijci				
Vijak 431.914	.....		8 komada	
Podloška 432.128/	.....		32 komada	
Matica 432.013	.....		8 komada	
Set čepova zaokretnog krila 301.039	.....		1 komad	
Brava 120.008	.....		1 komad	
Kvake za bravu 120.009	.....		1 komad	
Prihvatnik brave 120.010(120.011)	.....		1 komad	
Opcija 1)- Automat u podu				
Gornji okov 146.007	.....		1 komad	
Automat u podu 146.008	.....		1 komad	
Opcija 2)- Automat u krilu				
Gornji okov 146.007	.....		1 komad	
Automat u krilu 140.072	.....		1 komad	
Ostakljenje				
Staklo (55.2 mm)	.....	(Lkr-4)x(H-150)	1	

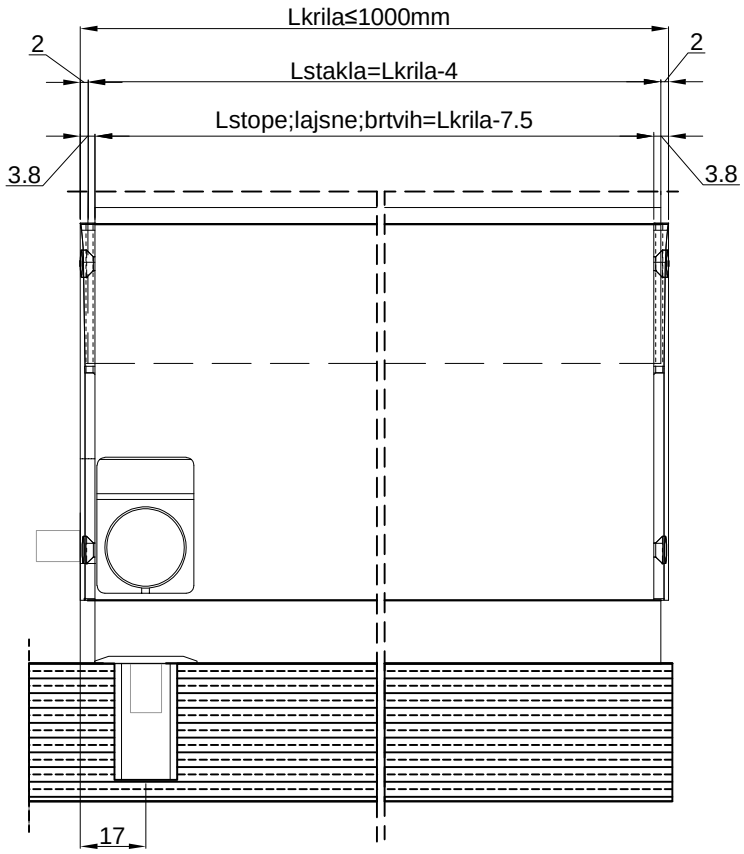


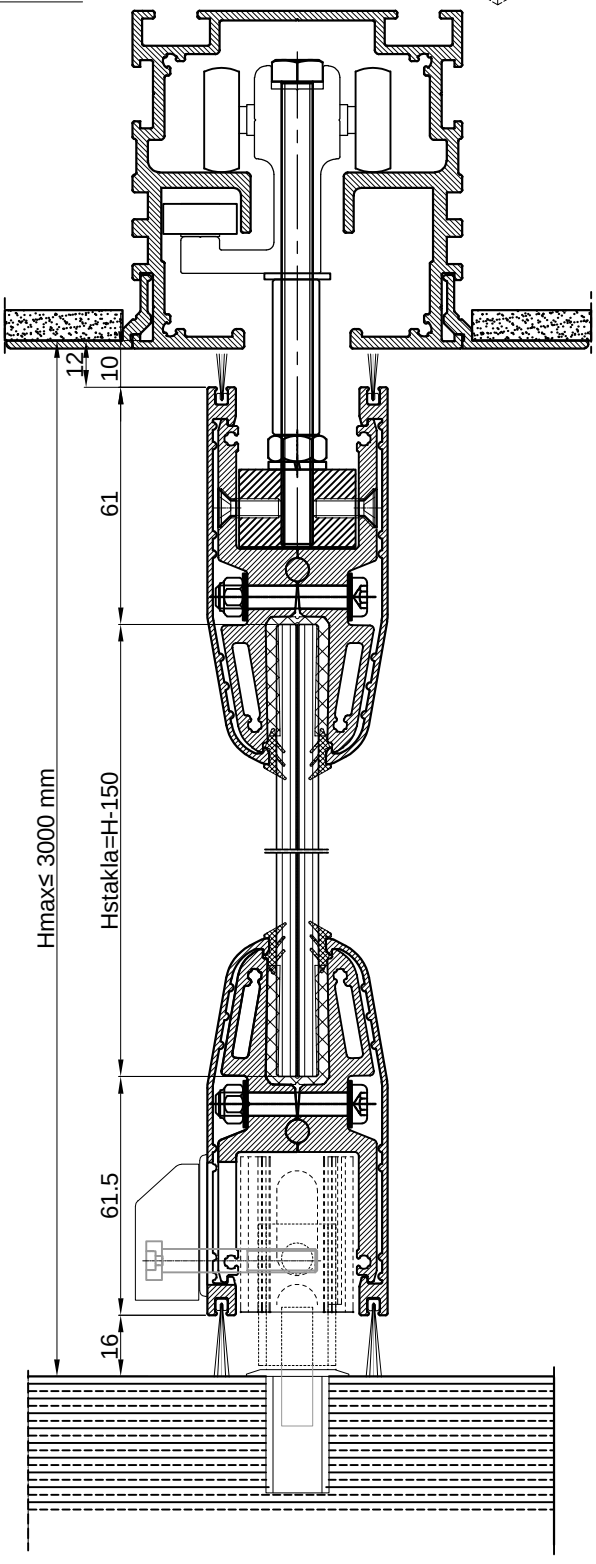


Izračun dimenzija prvog kliznog kliza

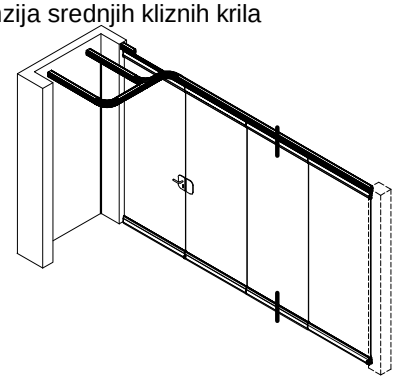


naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	Lkrila-7.5	4	90-90
F-1473	.....	Lkrila-7.5	4	90-90
F-0021	.....	Lkrila-7.5	2	90-90
Brtve				
Brtva u stopi 344.070	.....	Lkrila-7.5	2	
Brtva na stakla 311.001	.....	Lkrila-7.5	4	
Četkasta brtva prema stropu 347.008	.....	Lkrila-7.5	2	
Četkasta brtva prema podu 347.010	.....	Lkrila-7.5	2	
Okovi i vijci				
Kotačić kl. krila 521.212	.....		2 komada	
Vijak 431.914	.....		8 komada	
Podloška 432.128	.....		32 komada	
Matica 432.013	.....		8 komada	
Set čepova prvog kliznog krila 301.040	.....		1 komad	
Podna čahura 120.013	.....		1 komad	
Ostakljenje				
Staklo (55.2 mm)	.....	(Lkr-4)x(H-150)	1	

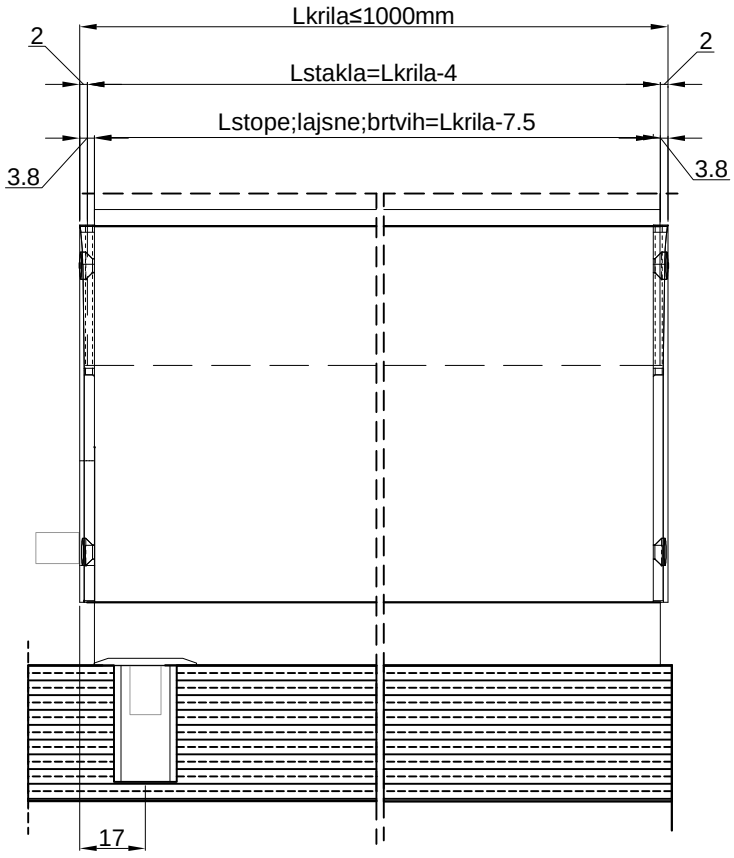


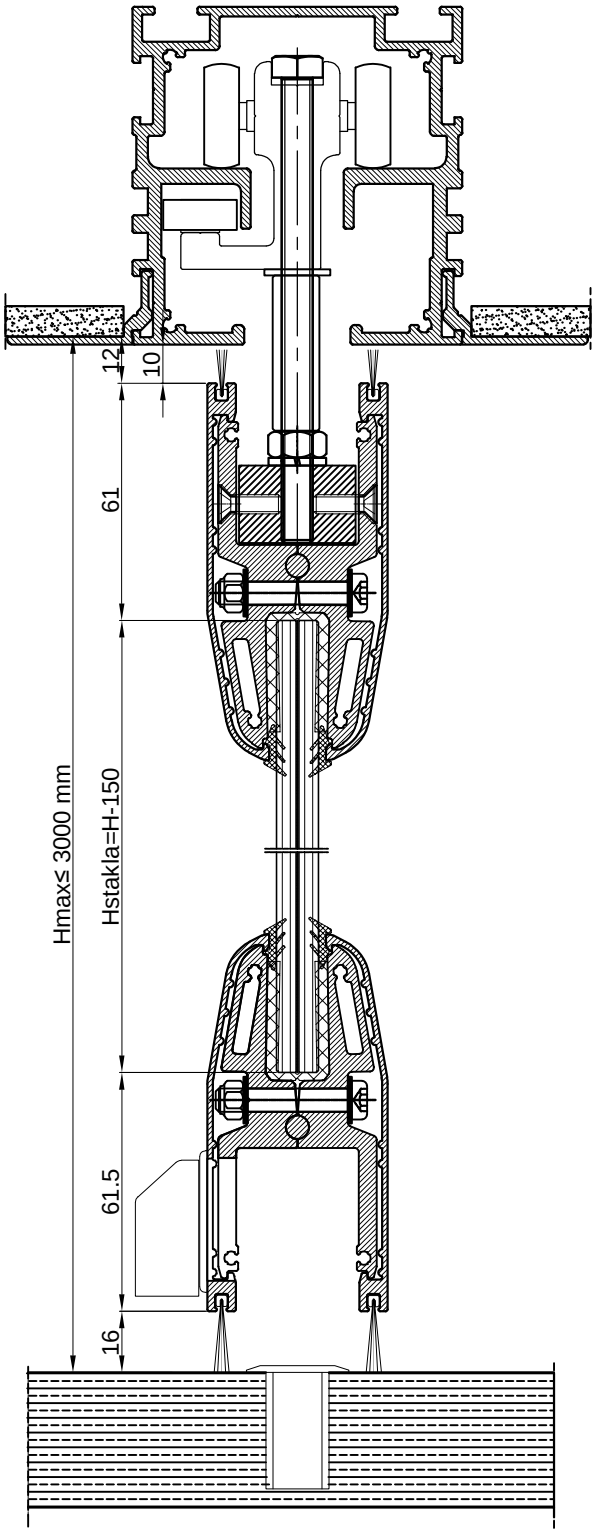


Izračun dimenzija srednjih kliznih krila

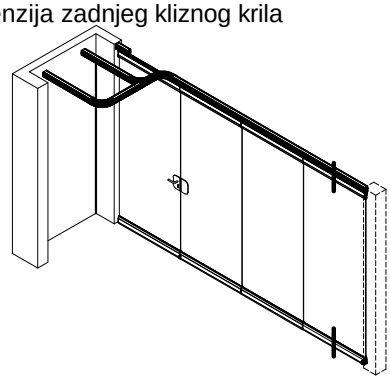


naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	Lkrila-7.5	4	90-90
F-1473	.....	Lkrila-7.5	4	90-90
F-0021	.....	Lkrila-7.5	2	90-90
Brtve				
Brtva u stopi 344.070	.....	Lkrila-7.5	2	
Brtva na stakla 311.001	.....	Lkrila-7.5	4	
Četkasta brtva prema stropu 347.008	.....	Lkrila-7.5	2	
Četkasta brtva prema podu 347.010	.....	Lkrila-7.5	2	
Okovi i vijci				
Kotačić kl. krila 521.212	.....		2 komada	
Vijak 431.914	.....		8 komada	
Podloška 432.128	.....		32 komada	
Matica 432.013	.....		8 komada	
Set čepova srednjeg kliznog krila 301.041	.....		1 komad	
Podna čahura 120.013	.....		1 komad	
Ostakljenje				
Staklo (55.2 mm)	.....	(Lkr-4)x(H-150)	1	

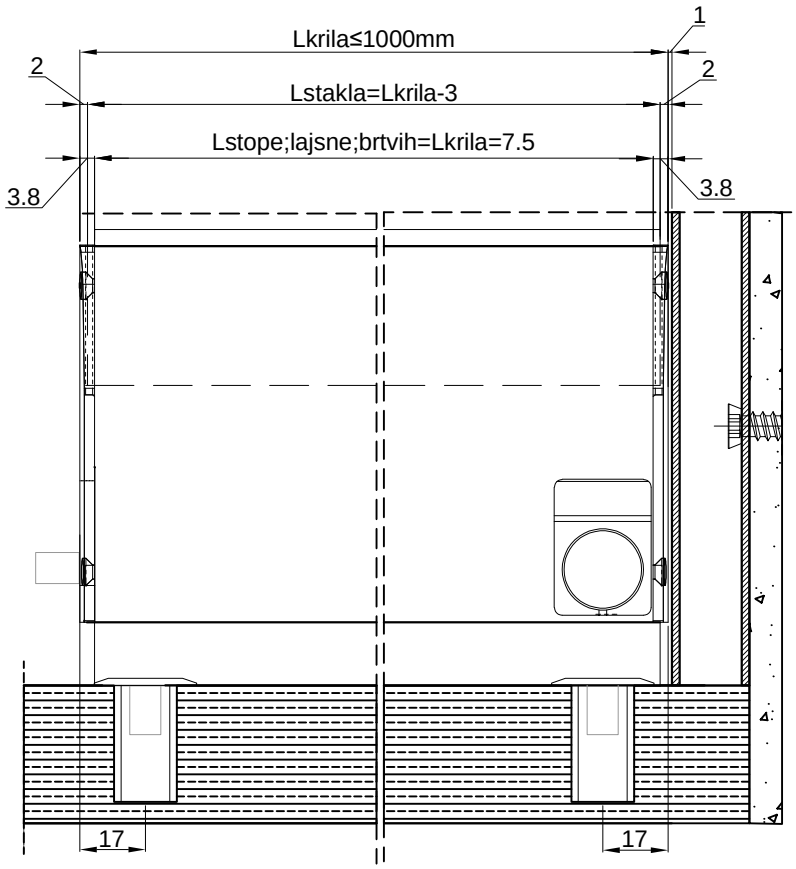


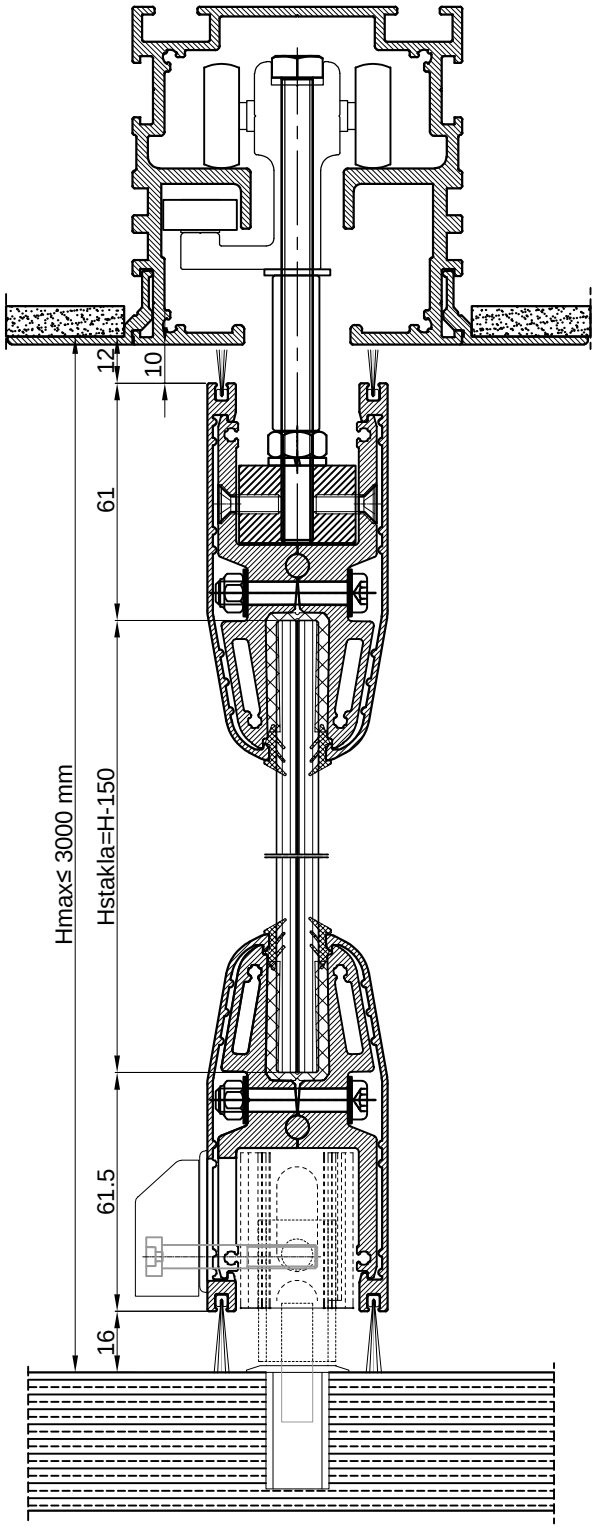


Izračun dimenzija zadnjeg kliznog krila

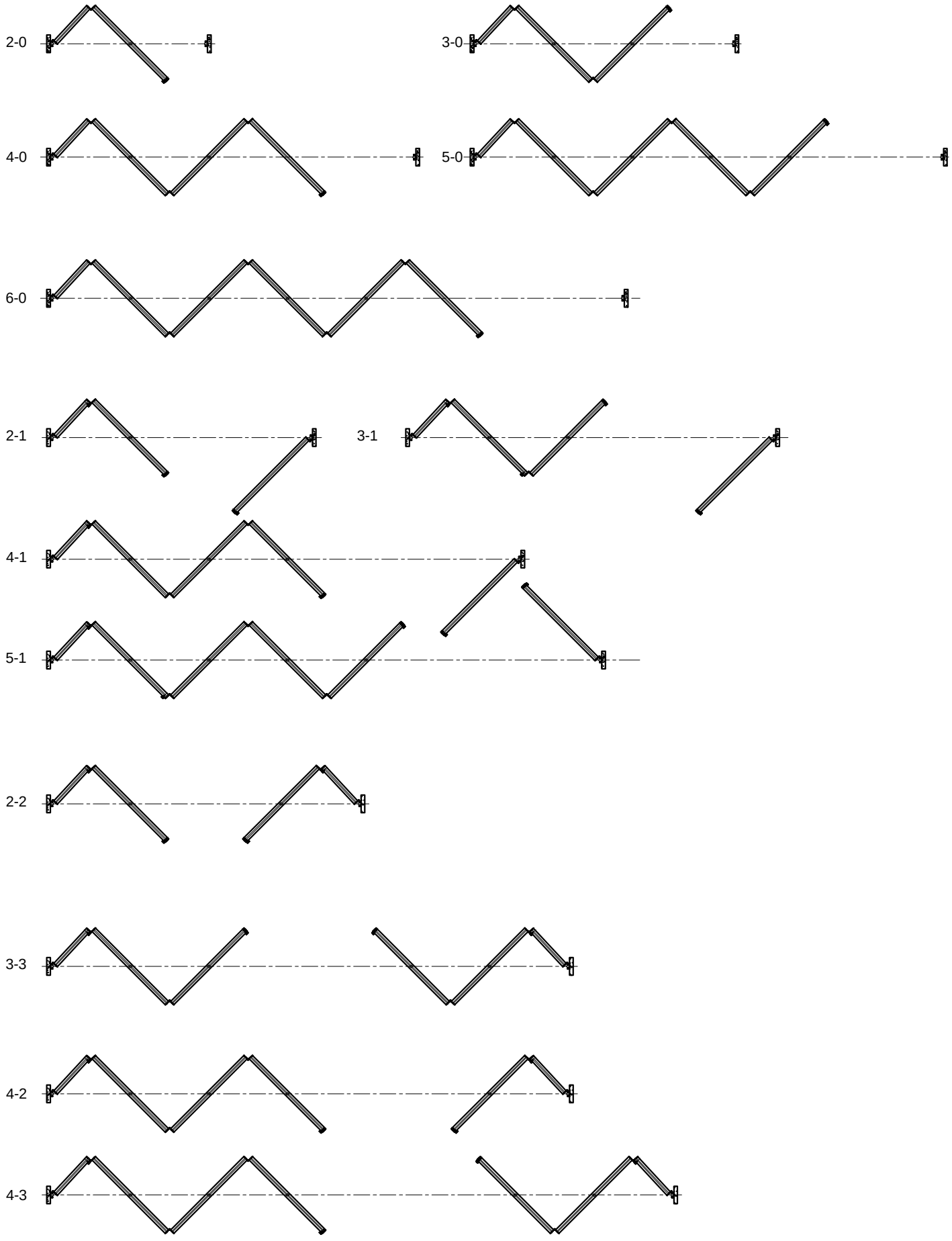


naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	Lkrila-7.5	4	90-90
F-1473	.....	Lkrila-7.5	4	90-90
F-0021	.....	Lkrila-7.5	2	90-90
Brtve				
Brtva u stopi 344.070	.....	Lkrila-7.5	2	
Brtva na staklu 311.001	.....	Lkrila-7.5	4	
Četkasta brtva prema stropu 347.008	.....	Lkrila-7.5	2	
Četkasta brtva prema podu 347.010	.....	Lkrila-7.5	2	
Okovi i vijci				
Kotačić kl. krila 521.212	.....		2 komada	
Vijak 431.914	.....		8 komada	
Podloška 432.128	.....		32 komada	
Matica 432.013	.....		8 komada	
Set čepova zadnjeg kliznog krila 301.042	.....		1 komad	
Podna čahura 120.013	.....		2 komada	
Ostakljenje				
Staklo (55.2 mm)	.....	(Lkr-4)x(H-150)	1	

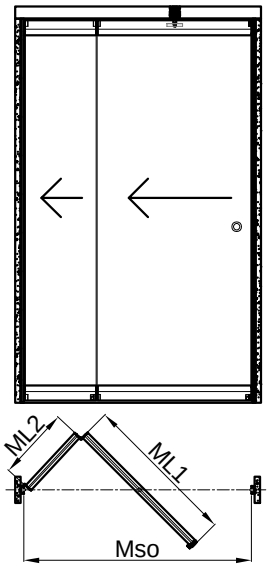




Tipovi otvaranja

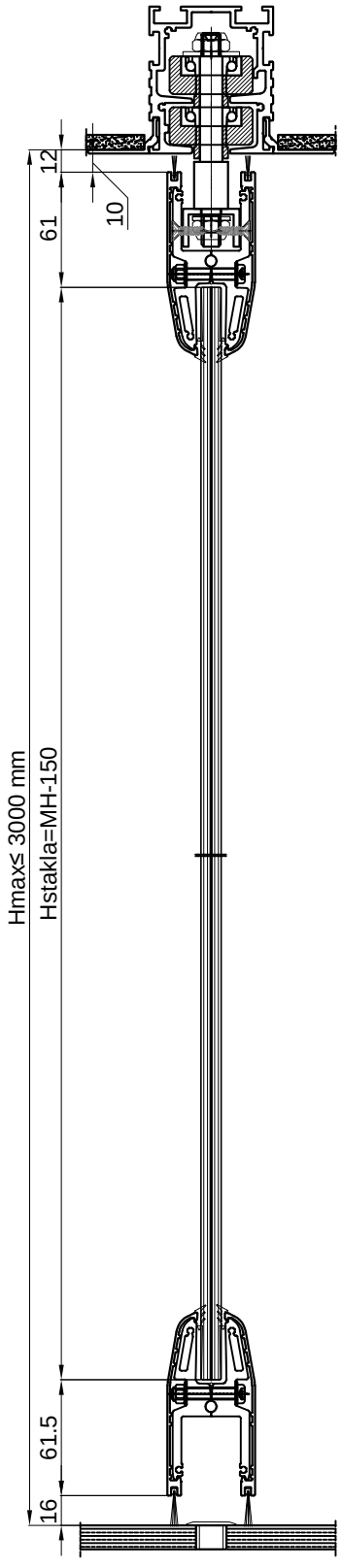


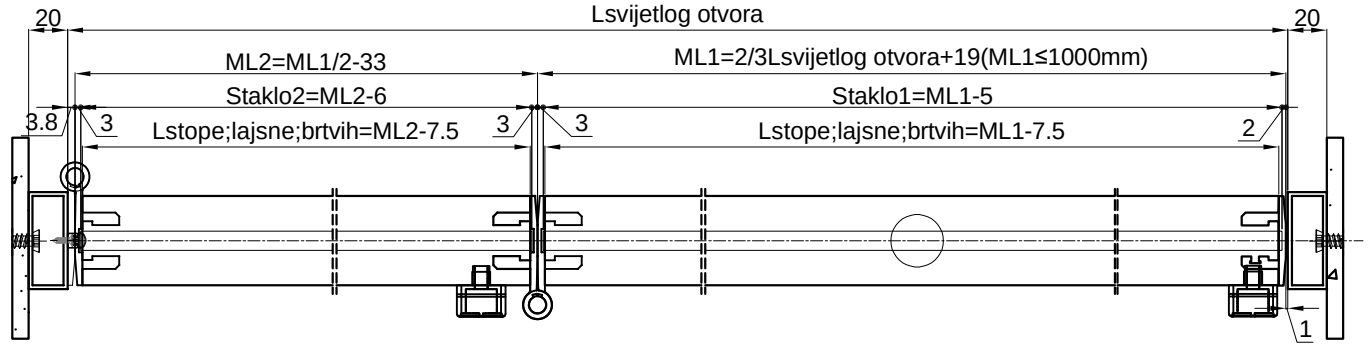
Tip otvaranja 2-0



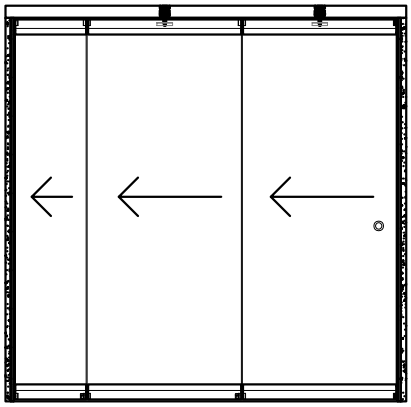
naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	4	90-90
F-1472	.....	ML2-7.5	4	90-90
F-1473	.....	ML1-7.5	4	90-90
F-1473	.....	ML2-7.5	4	90-90
F-0021	.....	ML1-7.5	2	90-90
F-0021	.....	ML2-7.5	2	90-90

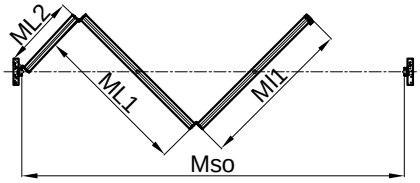
naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	2
Brtva u stopi 344.070	.....	ML2-7.5	2
Brtva na staklu 311.001	.....	ML1-7.5	4
Brtva na staklu 311.001	.....	ML2-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	2
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	2
Četkasta brtva prema podu 347.010	.....	ML1-7.5	2
Četkasta brtva prema podu 347.010	.....	ML2-7.5	2
Okovi i vijci			
Kotačić kl. krila 140.065	.....		1 komad
Vijak 431.914	.....		12 komada
Podloška 432.128	.....		48 komada
Matica 432.013	.....		12 komada
Čep zatvoreni 301.043	.....		1 komad
Čep s boč. za. 301.044	.....		1 komad
Zidna baglama 111.118	.....		1 komad
Zidna baglama 111.119	.....		1 komad
Baglama 111.120	.....		1 komad
Baglama 111.117	.....		1 komad
Držač krila 724.021(724.022)	.....		2 komada
Ručka za st. vr. 100.013	.....		1 komad
Podna čahura 120.013	.....		2 komada
Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML1-5)x(H-150)	1
Staklo2 (55.2 mm)	.....	(ML2-6)x(H-150)	1





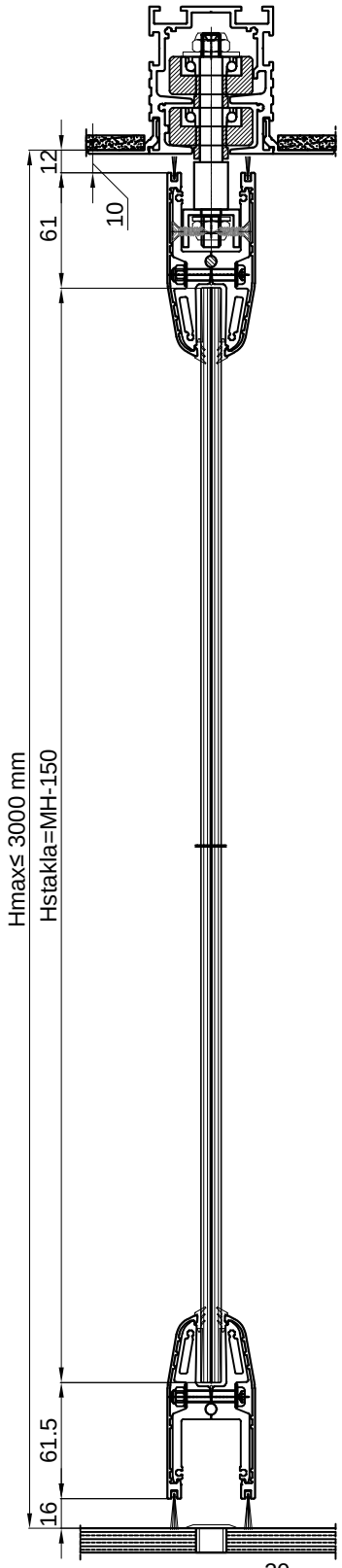
Tip otvaranja 3-0

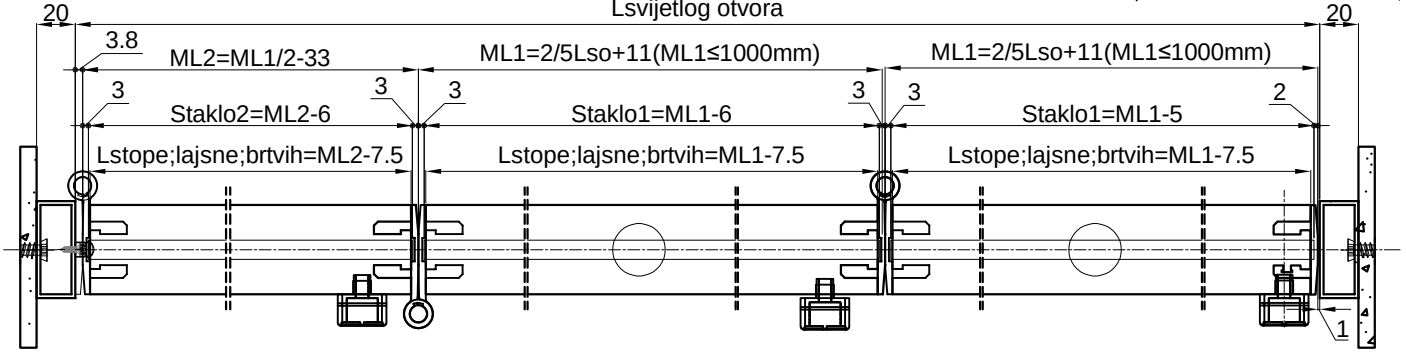




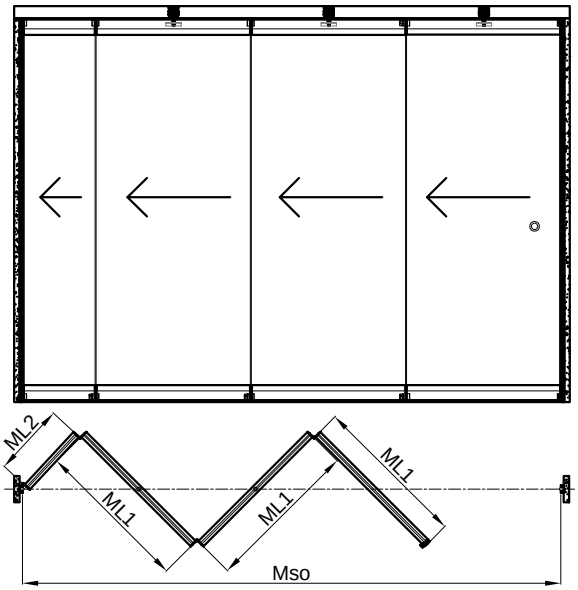
naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	8	90-90
F-1472	.....	ML2-7.5	4	90-90
F-1473	.....	ML1-7.5	8	90-90
F-1473	.....	ML2-7.5	4	90-90
F-0021	.....	ML1-7.5	4	90-90
F-0021	.....	ML2-7.5	2	90-90

naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	4
Brtva u stopi 344.070	.....	ML2-7.5	2
Brtva na staklu 311.001	.....	ML1-7.5	8
Brtva na staklu 311.001	.....	ML2-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	2
Četkasta brtva prema podu 347.010	.....	ML1-7.5	4
Četkasta brtva prema podu 347.010	.....	ML2-7.5	2
Okovi i vijci			
Kotačić kl. krila 140.065	.....		2 komad
Vijak 431.914	.....		20 komada
Podloška 432.128	.....		80 komada
Matica 432.013	.....		20 komada
Čep zatvoreni 301.043	.....		1 komad
Čep s boč. za. 301.044	.....		1 komad
Zidna baglama 111.118	.....		1 komad
Zidna baglama 111.119	.....		1 komad
Baglama 111.120	.....		1 komad
Baglama 111.117	.....		1 komad
Baglama 111.121	.....		1 komad
Baglama 111.116	.....		1 komad
Držač krila 724.021(724.022)	.....		4 komada
Ručka za st. vr. 100.013	.....		1 komad
Podna čahura 120.013	.....		3 komada
Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML1-5)x(H-150)	1
Staklo2 (55.2 mm)	.....	(ML1-6)x(H-150)	1
Staklo3 (55.2 mm)	.....	(ML2-6)x(H-150)	1

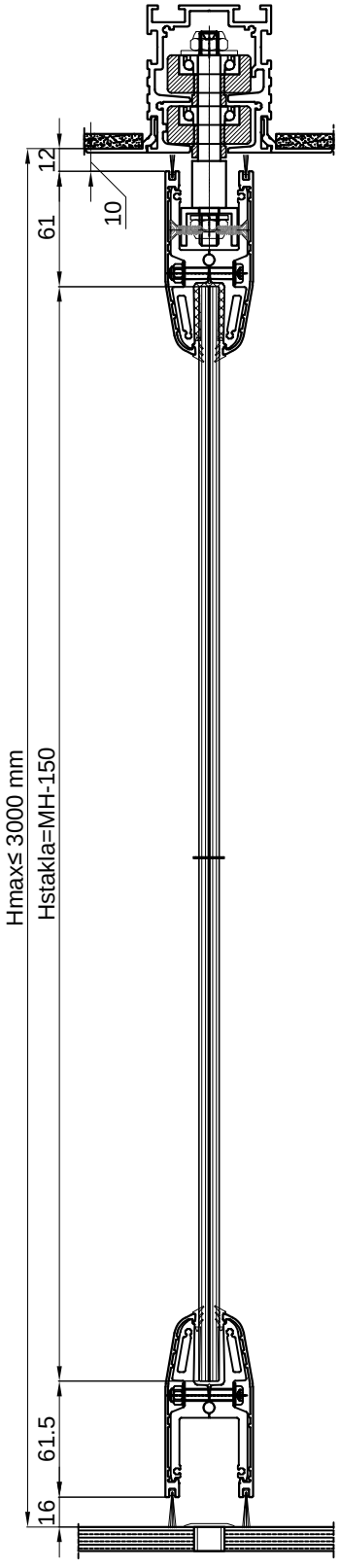




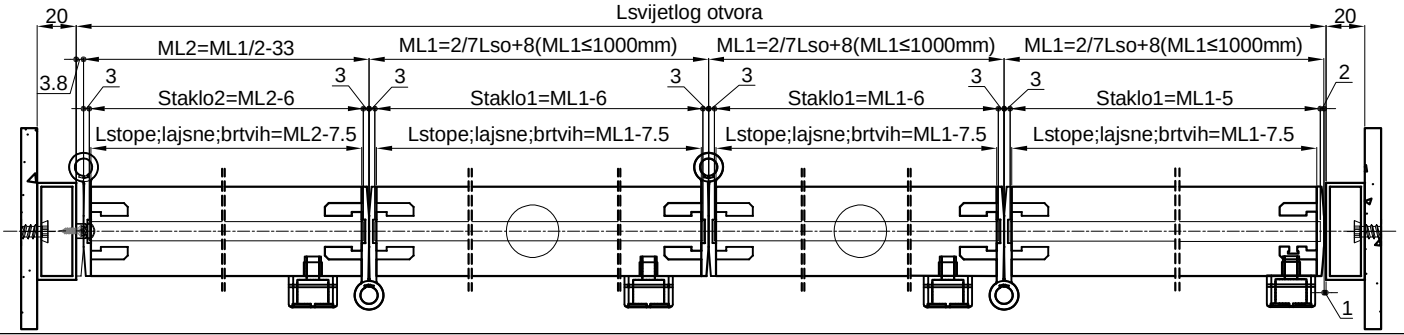
Tip otvaranja 4-0



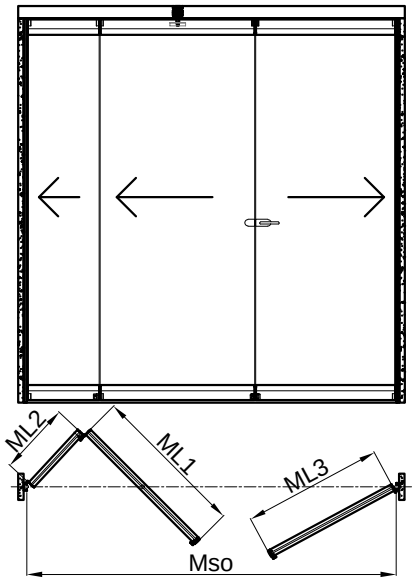
naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	12	90-90
F-1472	.....	ML2-7.5	4	90-90
F-1473	.....	ML1-7.5	12	90-90
F-1473	.....	ML2-7.5	4	90-90
F-0021	.....	ML1-7.5	6	90-90
F-0021	.....	ML2-7.5	2	90-90



naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	6
Brtva u stopi 344.070	.....	ML2-7.5	2
Brtva na staklu 311.001	.....	ML1-7.5	12
Brtva na staklu 311.001	.....	ML2-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	6
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	2
Četkasta brtva prema podu 347.010	.....	ML1-7.5	6
Četkasta brtva prema podu 347.010	.....	ML2-7.5	2
Okovi i vijci			
Kotačić kl. krila 140.065	.....		3 komad
Vijak 431.914	.....		28 komada
Podloška 432.128	.....		112 komada
Matica 432.013	.....		28 komada
Čep zatvoreni 301.043	.....		1 komad
Čep s boč. za. 301.044	.....		1 komad
Zidna baglama 111.118	.....		1 komad
Zidna baglama 111.119	.....		1 komad
Baglama 111.120	.....		2 komad
Baglama 111.117	.....		2 komad
Baglama 111.121	.....		1 komad
Baglama 111.116	.....		1 komad
Držač krila 724.021(724.022)	.....		6 komada
Ručka za st. vr. 100.013	.....		1 komad
Podna čahura 120.013	.....		3 komada
Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML1-5)x(H-150)	1
Staklo2 (55.2 mm)	.....	(ML1-6)x(H-150)	2
Staklo3 (55.2 mm)	.....	(ML2-6)x(H-150)	1



Tip otvaranja 2-1

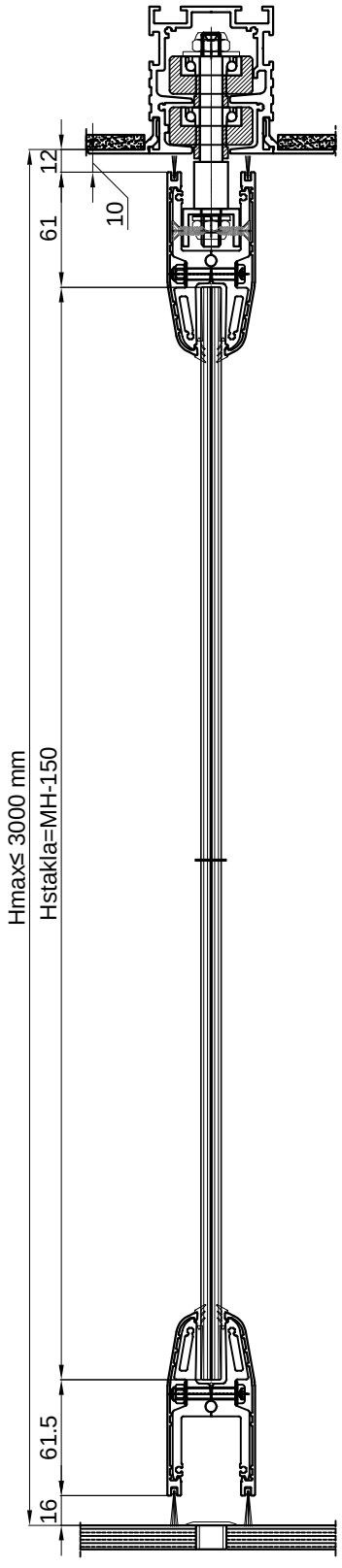


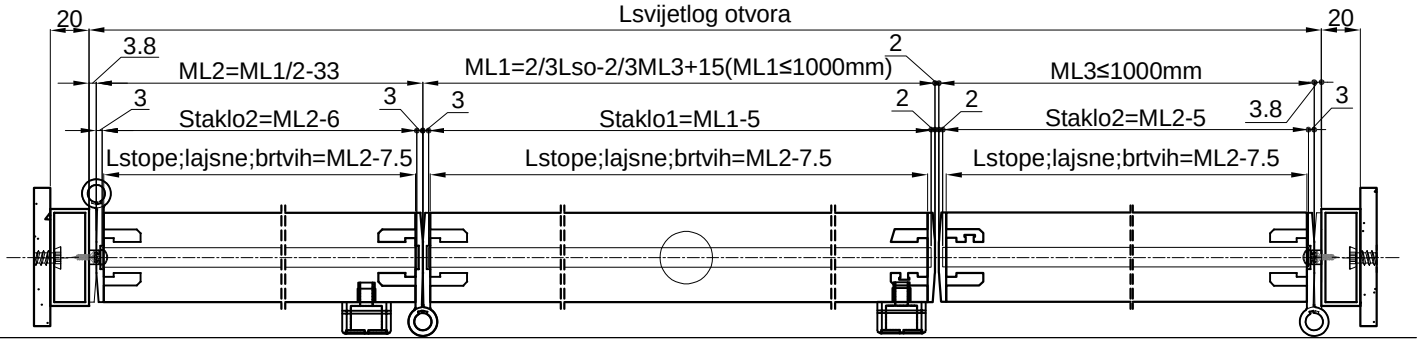
naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	4	90-90
F-1472	.....	ML2-7.5	4	90-90
F-1472	.....	ML3-7.5	4	90-90
F-1473	.....	ML1-7.5	4	90-90
F-1473	.....	ML2-7.5	4	90-90
F-1473	.....	ML3-7.5	4	90-90
F-0021	.....	ML1-7.5	2	90-90
F-0021	.....	ML2-7.5	2	90-90
F-0021	.....	ML3-7.5	2	90-90

naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	2
Brtva u stopi 344.070	.....	ML2-7.5	2
Brtva u stopi 344.070	.....	ML3-7.5	2
Brtva na staklu 311.001	.....	ML1-7.5	4
Brtva na staklu 311.001	.....	ML2-7.5	4
Brtva na staklu 311.001	.....	ML3-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	2
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	2
Četkasta brtva prema stropu 347.008	.....	ML3-7.5	2
Četkasta brtva prema podu 347.010	.....	ML1-7.5	2
Četkasta brtva prema podu 347.010	.....	ML2-7.5	2
Četkasta brtva prema podu 347.010	.....	ML3-7.5	2

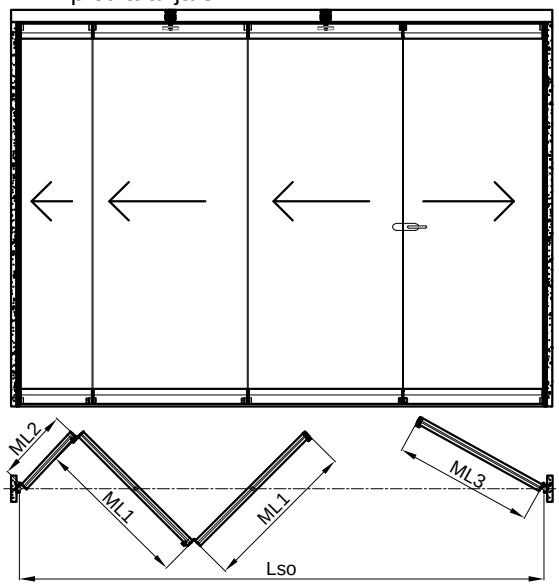
Okovi i vijci			
Kotačić kl. krila	140.065	.....	1 komad
Vijak	431.914	.....	20 komada
Podloška	432.128	.....	80 komada
Matica	432.013	.....	20 komada
Čep zatvoreni	301.043	.....	3 komad
Čep s boč. za.	301.044	.....	1 komad
Zidna baglama	111.118	.....	2 komad
Zidna baglama	111.119	.....	2 komad
Baglama	111.120	.....	1 komad
Baglama	111.117	.....	1 komad
Držač krila	724.021(724.022)	.....	2 komada
Brava	120.008	.....	1 komad
Kvake za bravu	120.009	.....	1 komad
Prihvatnik brave	120.010(120.011)	.....	1 komad
Podna čahura	120.013	.....	2 komada

Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML1-5)x(H-150)	1
Staklo2 (55.2 mm)	.....	(ML2-6)x(H-150)	1
Staklo3 (55.2 mm)	.....	(ML3-5)x(H-150)	1





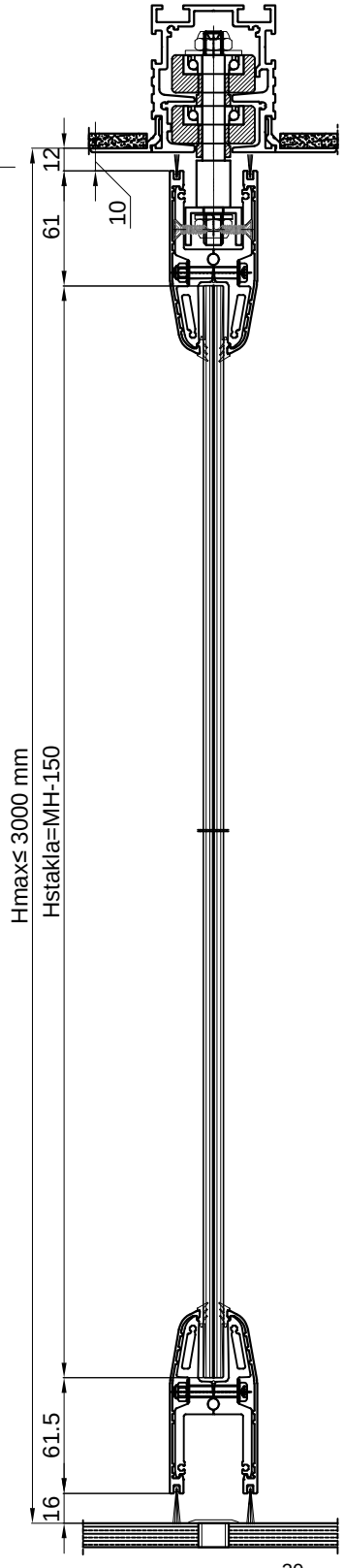
Tip otvaranja 3-1

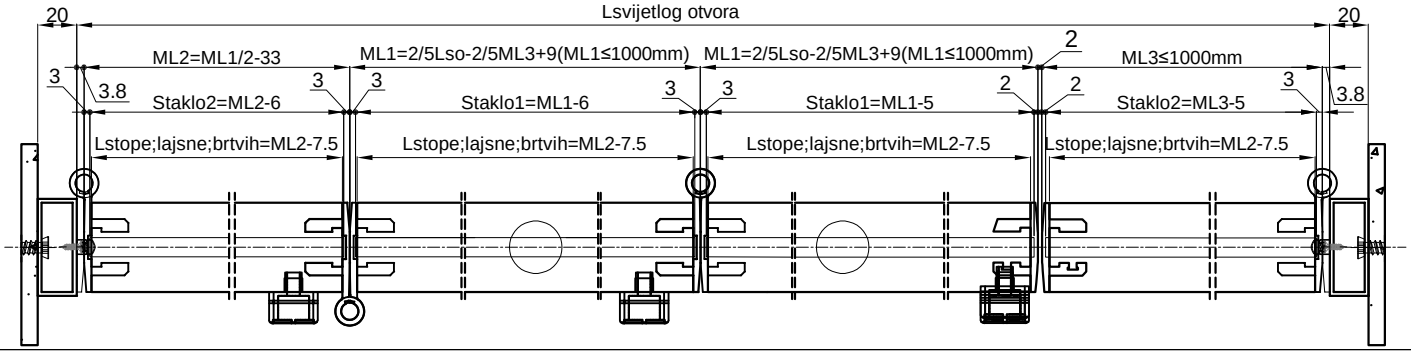


naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	8	90-90
F-1472	.....	ML2-7.5	4	90-90
F-1472	.....	ML3-7.5	4	90-90
F-1473	.....	ML1-7.5	8	90-90
F-1473	.....	ML2-7.5	4	90-90
F-1473	.....	ML3-7.5	4	90-90
F-0021	.....	ML1-7.5	4	90-90
F-0021	.....	ML2-7.5	2	90-90
F-0021		ML3-7.5	2	90-90

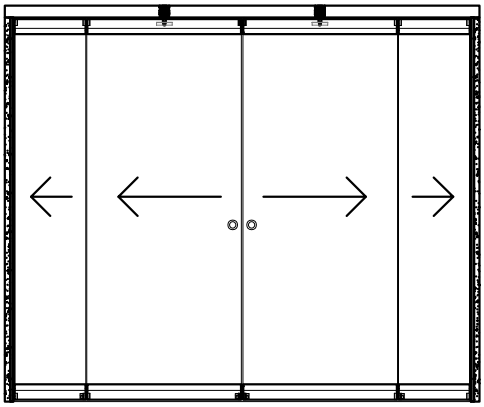
naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	4
Brtva u stopi 344.070	.....	ML2-7.5	2
Brtva u stopi 344.070	.....	ML3-7.5	2
Brtva na staklu 311.001	.....	ML1-7.5	4
Brtva na staklu 311.001	.....	ML2-7.5	8
Brtva na staklu 311.001	.....	ML3-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	2
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML3-7.5	2
Četkasta brtva prema podu 347.010	.....	ML1-7.5	2
Četkasta brtva prema podu 347.010	.....	ML2-7.5	4
Četkasta brtva prema podu 347.010	.....	ML3-7.5	2

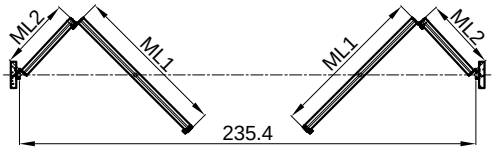
Okovi i vijci			
Kotačić kl. krila 140.065	.....		2 komad
Vijak 431.914	.....		28 komada
Podloška 432.128	.....		112 komada
Matica 432.013	.....		28 komada
Čep zatvoreni 301.043	.....		3 komada
Čep s boč. za. 301.044	.....		1 komad
Zidna baglama 111.118	.....		2 komada
Zidna baglama 111.119	.....		2 komada
Baglama 111.120	.....		1 komad
Baglama 111.117	.....		1 komad
Baglama 111.121	.....		1 komad
Baglama 111.116	.....		1 komad
Podna čahura 120.013	.....		3 komada
Držač krila 724.021(724.022)	.....		4 komada
Brava 120.008	.....		1 komad
Kvake za bravu 120.009	.....		1 komad
Prihvatnik brave 120.010(120.011)	.....		1 komad
Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML2-6)x(H-150)	1
Staklo2 (55.2 mm)	.....	(ML1-6)x(H-150)	1
Staklo3 (55.2 mm)	.....	(ML1-5)x(H-150)	1
Staklo4 (55.2 mm)	.....	(ML3-5)x(H-150)	1



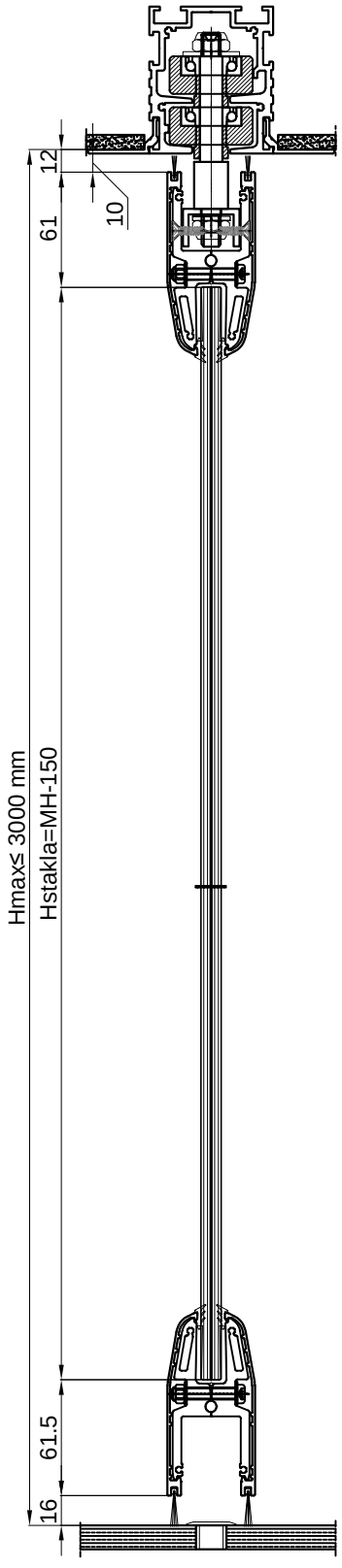


Tip otvaranja 2-2





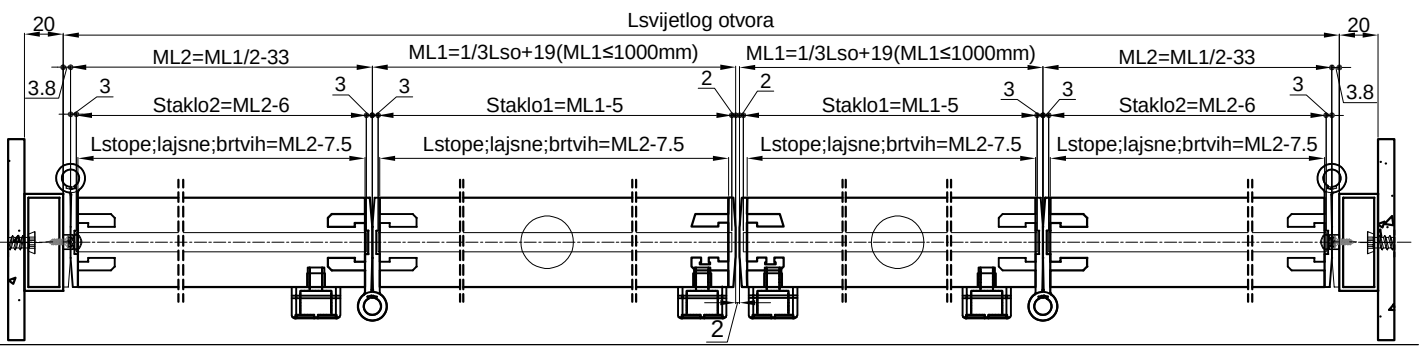
naziv		mjera	kom.	pilanje
Profili				
F-1472	.....	ML1-7.5	8	90-90
F-1472	.....	ML2-7.5	8	90-90
F-1473	.....	ML1-7.5	8	90-90
F-1473	.....	ML2-7.5	8	90-90
F-0021	.....	ML1-7.5	4	90-90
F-0021	.....	ML2-7.5	4	90-90



naziv		mjera	kom.
Brtve			
Brtva u stopi 344.070	.....	ML1-7.5	4
Brtva u stopi 344.070	.....	ML2-7.5	4
Brtva na staklu 311.001	.....	ML1-7.5	8
Brtva na staklu 311.001	.....	ML2-7.5	8
Četkasta brtva prema stropu 347.008	.....	ML1-7.5	4
Četkasta brtva prema stropu 347.008	.....	ML2-7.5	4
Četkasta brtva prema podu 347.010	.....	ML1-7.5	4
Četkasta brtva prema podu 347.010	.....	ML2-7.5	4

Okovi i vijci			
Kotačić kl. krila 140.065	.....		2 komad
Vijak 431.914	.....		24 komada
Podloška 432.128	.....		96 komada
Matica 432.013	.....		24 komada
Čep zatvoreni 301.043	.....		2 komada
Čep s boč. za. 301.044	.....		2 komada
Zidna baglama 111.118	.....		2 komad
Zidna baglama 111.119	.....		2 komad
Baglama 111.120	.....		1 komad
Baglama 111.117	.....		1 komad
Baglama 111.121	.....		1 komad
Baglama 111.116	.....		1 komad
Držač krila 724.021(724.022)	.....		4 komada
Ručka za st. vr. 100.013	.....		2 komada
Podna čahura 120.013	.....		4 komada

Ostakljenje			
Staklo1 (55.2 mm)	.....	(ML1-5)x(H-150)	2
Staklo2 (55.2 mm)	.....	(ML2-6)x(H-150)	2



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MF-**45**

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