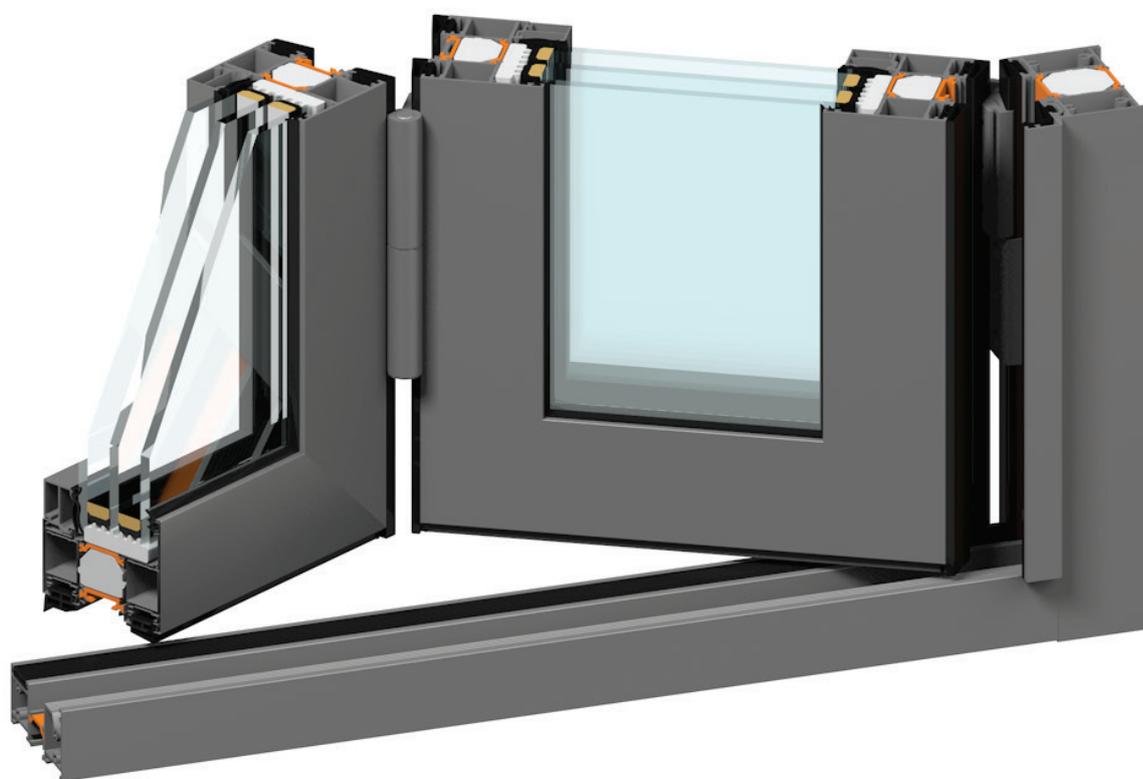


FEAL



TERMO 80 HD

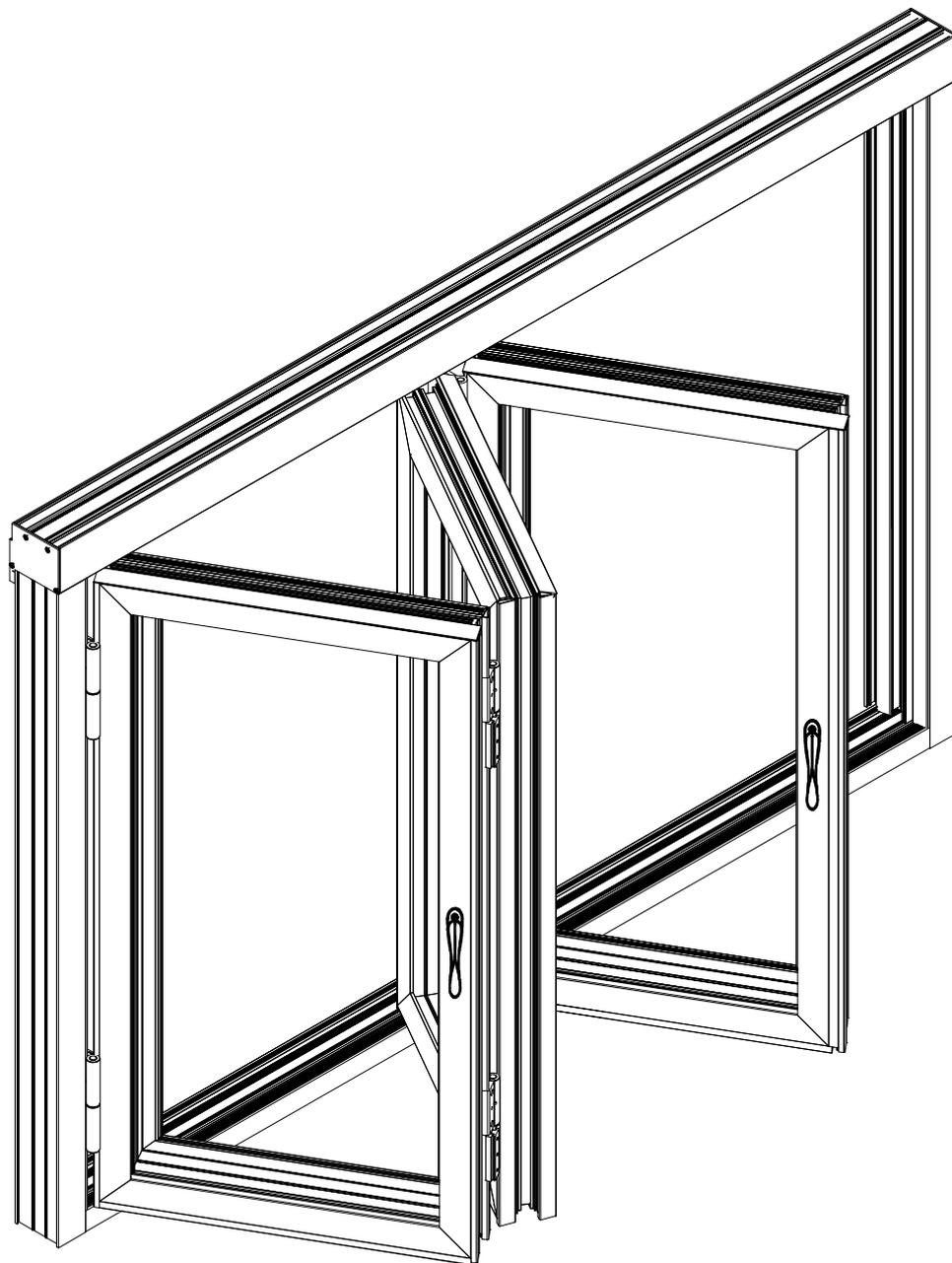
HARMONIKA VRATA
FOLDING DOORS

SADRŽAJ CONTENT

| | | |
|----|--|----------------|
| 01 | ZNAČAJKE SISTEMA SYSTEM CHARACTERISTICS | 304.01.000-007 |
| 02 | ISPITIVANJA I CERTIFIKATI TESTING AND CERTIFICATES | 304.02.000-007 |
| 03 | PROFILI PROFILES | 304.03.000-007 |
| 04 | VEZNI ELEMENTI CONNECTION ELEMENTS | 304.04.000-003 |
| 05 | PVC ELEMENTI PVC ELEMENTS | 304.05.000-003 |
| 06 | MEHANIZMI MECHANISMS | 304.06.000-005 |
| 07 | BRTVE GASKETS | 304.07.000-005 |
| 08 | DODACI ACCESSORIES | 304.08.000-003 |
| 09 | PRIKAZ STAKLJENJA GLAZING | 304.09.000-003 |
| 10 | PRESJECI CROSS SECTION | 304.10.000-057 |
| 11 | OBRADA I MONTAŽA PROCESSING AND MONTAGE | 304.11.000-031 |
| 12 | REZNE LISTE CUTTING LISTS | 304.12.000-057 |

Značajke sistema

System characteristics

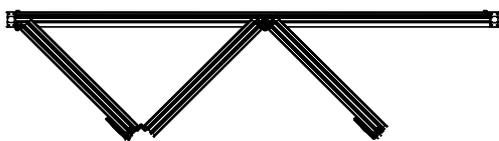
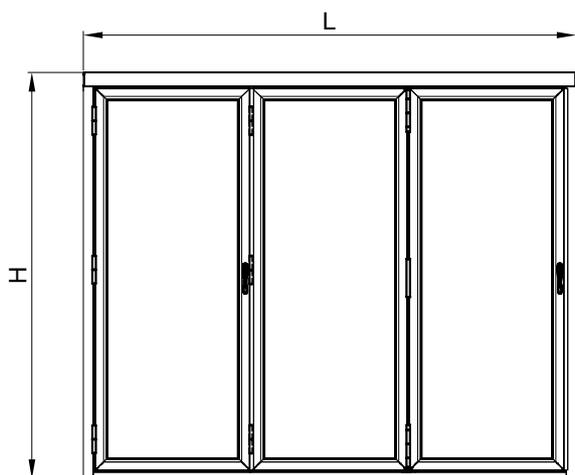
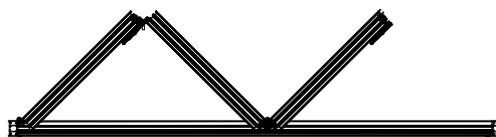
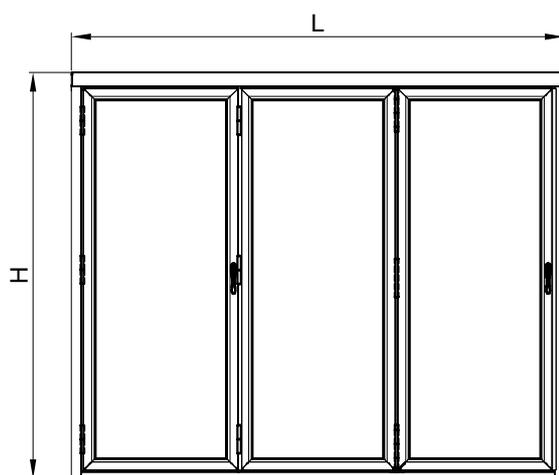


OPIS SISTEMA TERMO 80HD
TERMO 80HD SYSTEM DESCRIPTION

Sistem Termo 80HD koristi se za izradu vrata - harmo otvaranje, prema unutra i prema vani. Nošenje krila je izvedeno preko mehanizma u gornjoj vodilici a u donjoj vodilici je mehanizam pratilice. Profili su izvedeni s prekinutim toplinskim mostom osnovne ugradbene dubine rama i krila 80 mm. Prekid toplinskog mosta postiže se poliamidnim trakama širine 30 mm i trakama od ekstrudiranog polistirena (xps-a) koji se ugrađuje u komore profila. Brtvljenje između krila i rama izvedeno je EPDM brtvama. Staklo je u krilu učvršćeno unutarnjim letvicama te zabrtvljeno EPDM brtvama s obje strane. System Termo 80HD is used to production for folding doors, inside opening and outside opening. The bearing of the sash is performed through the mechanism in the upper guide and in the lower guide rail is the track mechanism. Profiles include thermal break with basic embedded frame and sash depth of 80 mm. Thermal break is achieved by using polyamide tapes 30 mm and extruded polystyrene tapes (XPS) are embedded in profile chambers to improve thermal characteristics (thermal conductivity reduction). Sash and frame sealing is done by using EPDM gaskets.. Glass inside the sash is secured by using interior slats and sealed by using EPDM gaskets on both side.

Karakteristike sistema:

| | |
|--|--------------------|
| -materijal material..... | EN AW-6060 |
| -masa krila sash mass..... | 90 kg |
| -debljina stakla glass thickness..... | 24-68 mm |
| -materijal za brtvljenje (EPDM) sealing material (EPDM)..... | DIN 7863 |
| -zrakopropusnost air permeability..... | EN 12207 (klasa -) |
| -vodonepropusnost water tightness..... | EN 12208 (klasa -) |
| -otpornost na udar vjetrova wind resistance..... | EN 12210 (klasa -) |
| -proračun Ud koeficijenta Ud coefficient calculation..... | DIN EN ISO 10077-2 |
| -površinska obrada surface processing..... | DIN 17611 |
| -kontrola kvalitete quality control..... | DIN EN ISO 9001 |

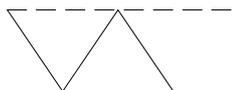
OTVARANJE UNUTRA
INSIDE OPENINGOTVARANJE VANI
OUTSIDE OPENING

TIPOLOGIJA OTVARANJA TYPOLOGY OF OPENINGS

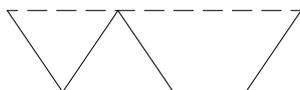
Otvaranje unutra
Inside opening

Otvaranje vani
Outside opening

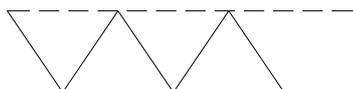
3+0



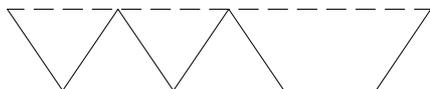
3+1



5+0



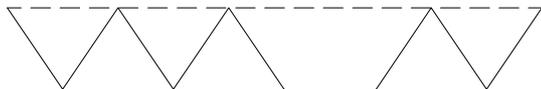
5+1



3+3



5+3



5+5



3+0



3+1



5+0



5+1



3+3

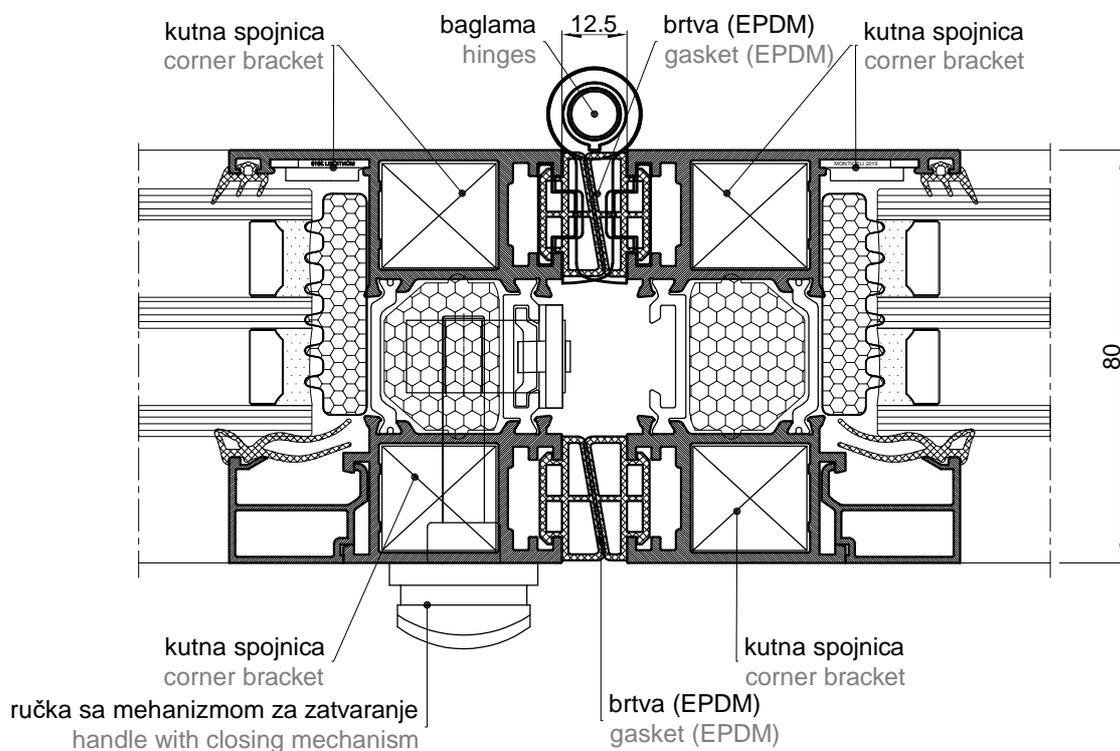
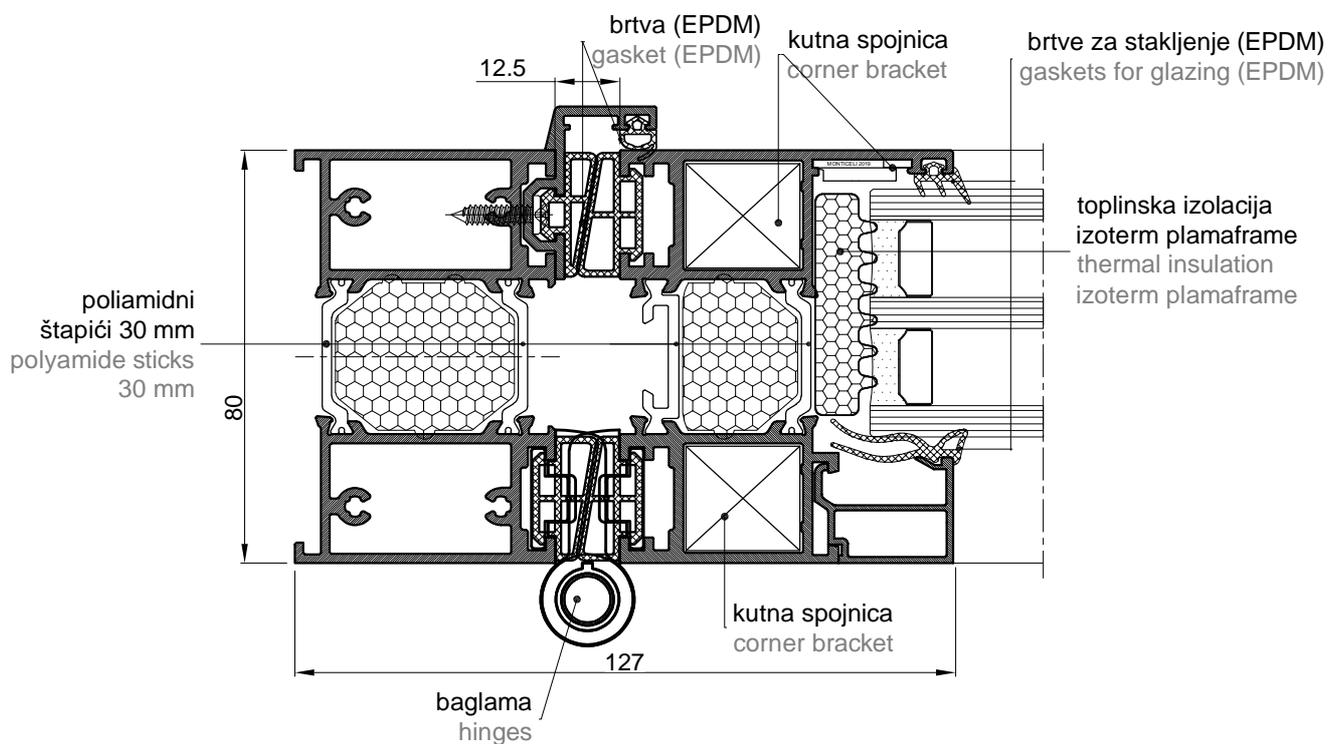


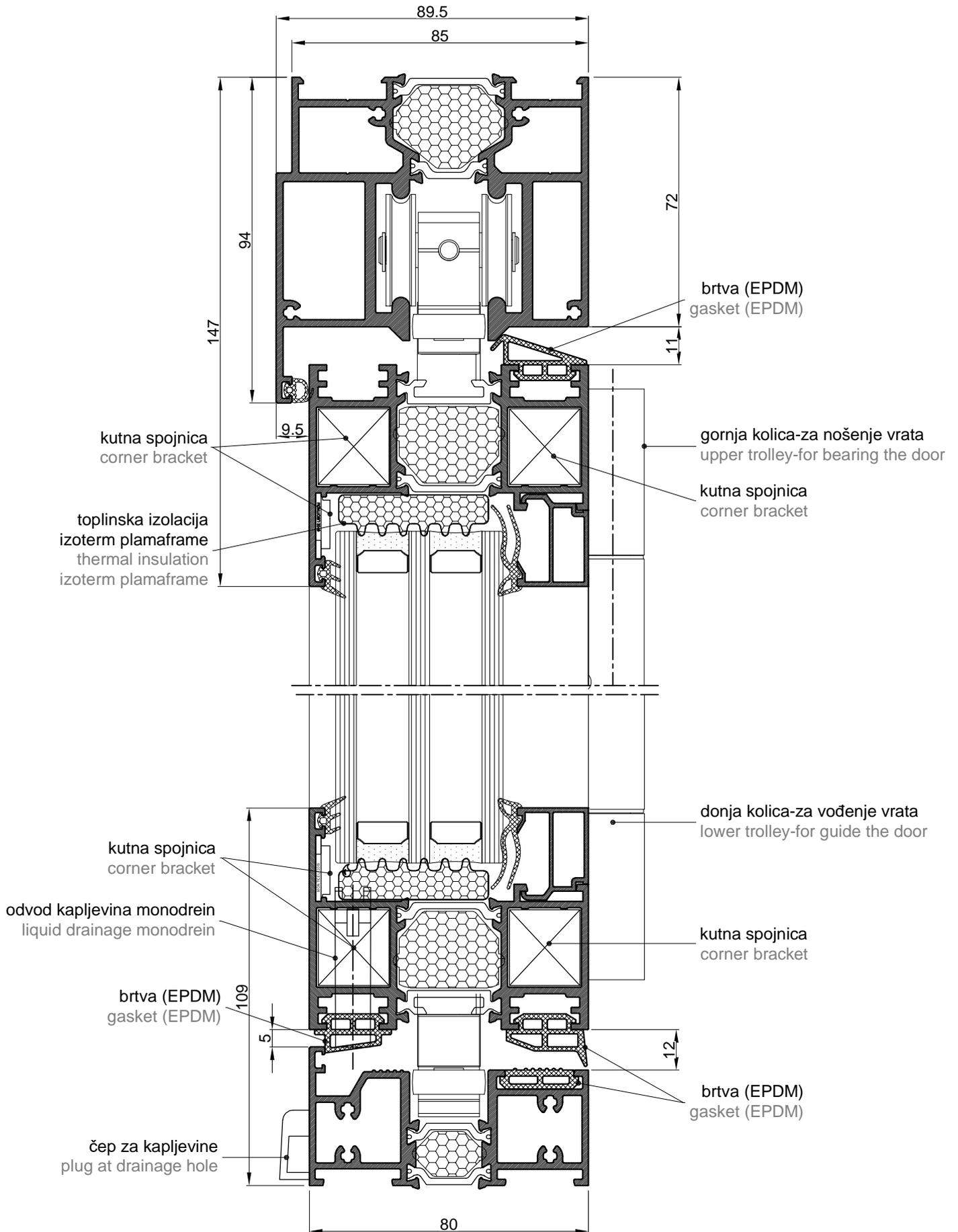
5+3

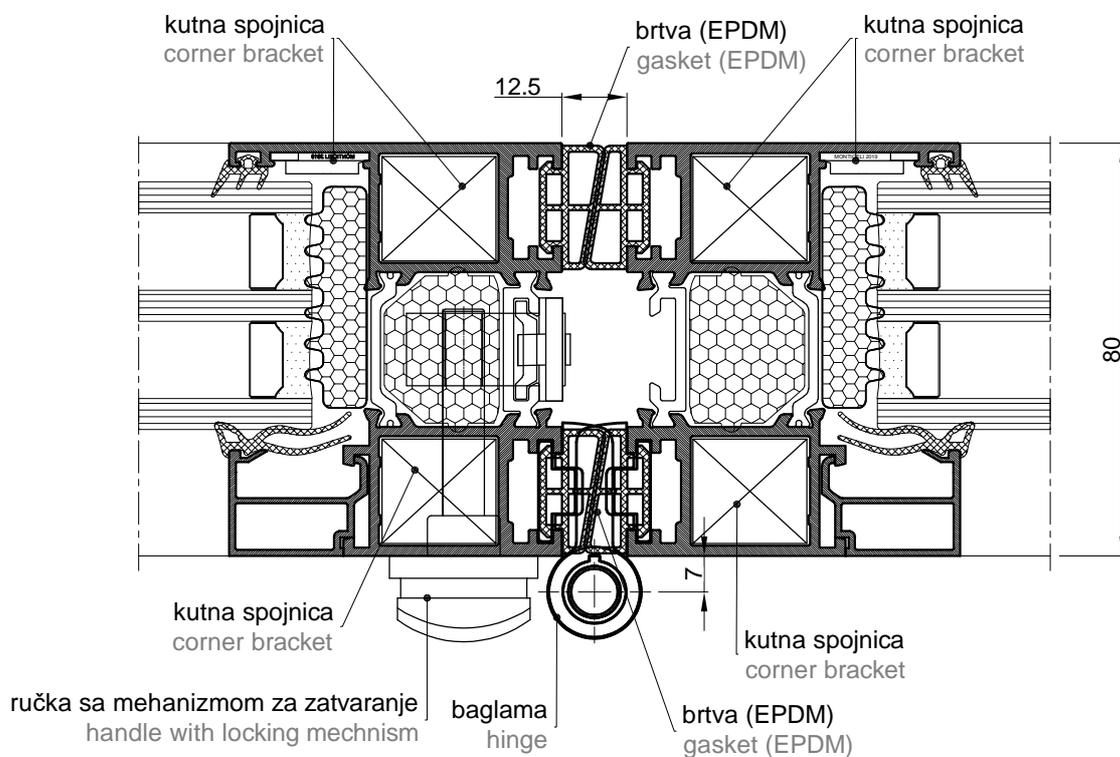
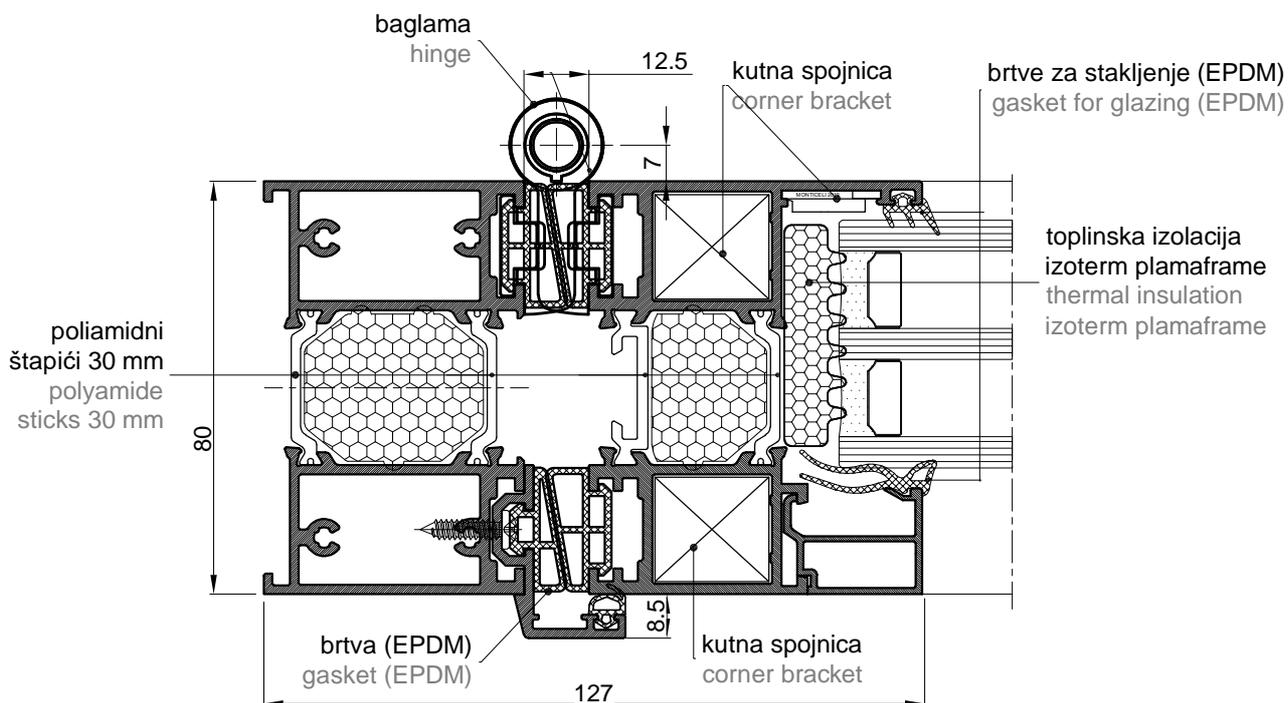


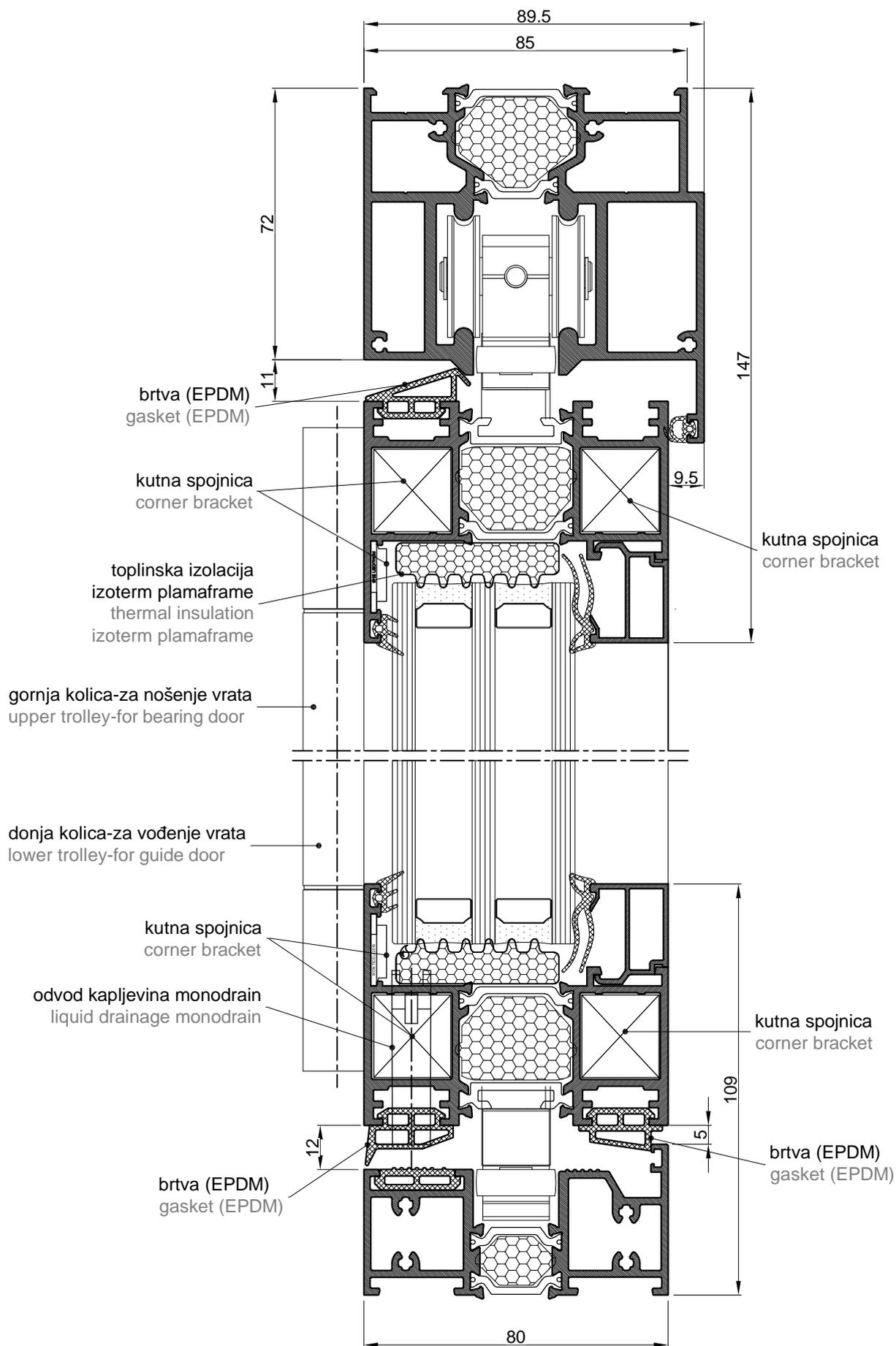
5+5





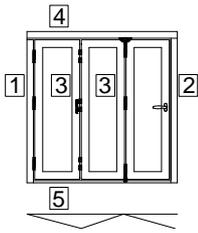
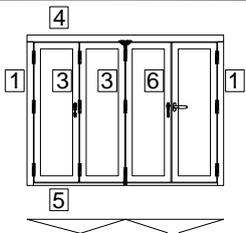
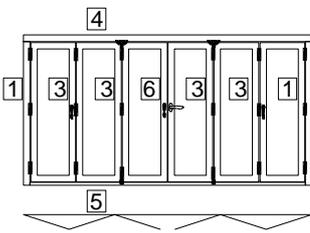






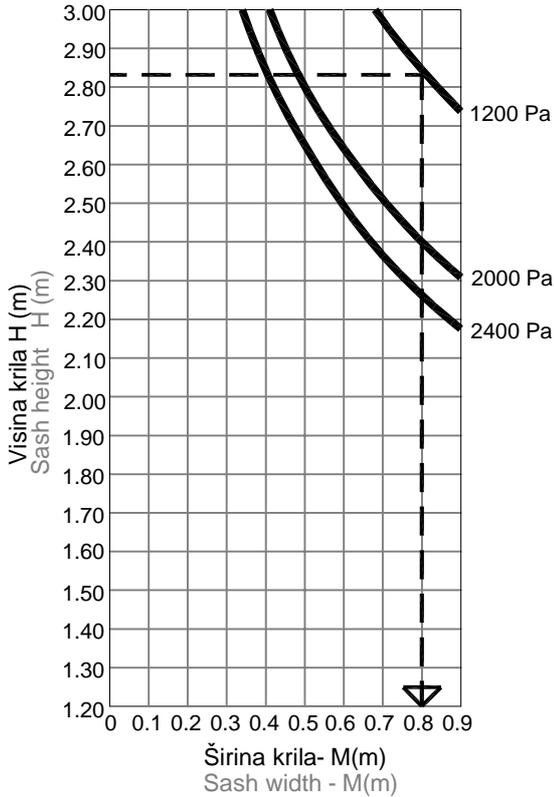
Ispitivanja i certifikati

Testing and certificates

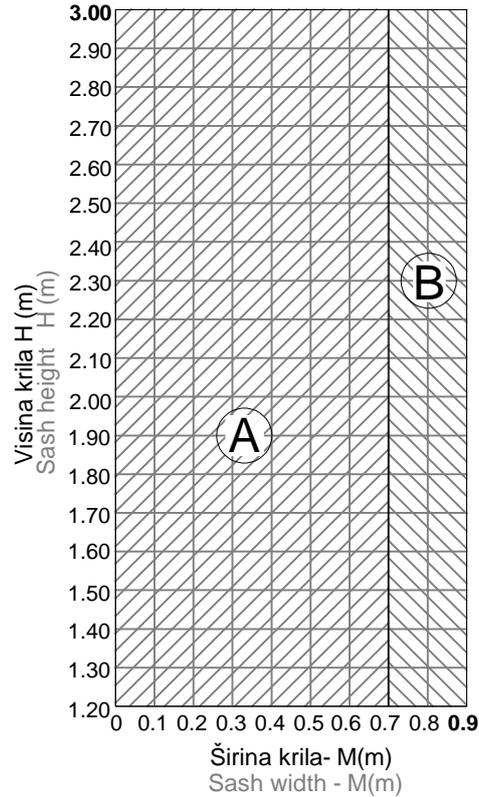
| | | Uf1 W/m2K | Uf2 W/m2K | Uf3 W/m2K | Uf4 W/m2K | Uf5 W/m2K | Uf6 W/m2K | Uf7 W/m2K | Ug W/m2K | Uw W/m2K |
|---|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|-------------|-------------|
|  | Termo 80HD tip 3+0, otvaranje unutra i vani 3163x2528 | 2,0 | 2,1 | 1,8 | 2,8 | 2,5 | | | 0,7 | ≥1,2 |
| | | | | | | | | | 1,1 | ≥1,5 |
|  | Termo 80HD tip 3+1, otvaranje unutra i vani 4176x2528 | 2,0 | | 1,8 | 2,8 | 2,5 | 2,0 | | 0,7 | ≥1,2 |
| | | | | | | | | | 1,1 | ≥1,5 |
|  | Termo 80HD tip 3+3, otvaranje unutra i vani 6201x2528 | 2,0 | | 1,8 | 2,8 | 2,5 | 2,0 | | 0,7 | ≥1,2 |
| | | | | | | | | | 1,1 | ≥1,5 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

Napomena:

Opterećenje vjetrom Wind load



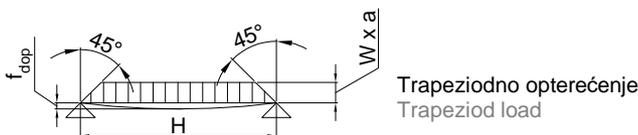
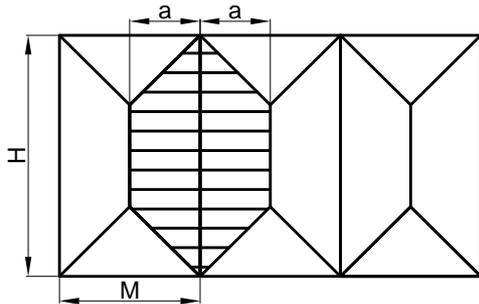
Maksimalne dimenzije i težine krila Maximal sash dimensions and weight



Primjer: Visina krila - H = 2.82 m
Example: Sash height - H = 2.82 m
Opt. vjetrom = 1200 Pa
Wind load = 1200 Pa

Rezultat: Moguća širina krila = 0.8 m
Result: Possible sash width = 0.8 m

| | A | B |
|--|----|----|
| Maksimalna težina krila - T(kg) Maximal sash weight - T(kg) | 90 | 70 |

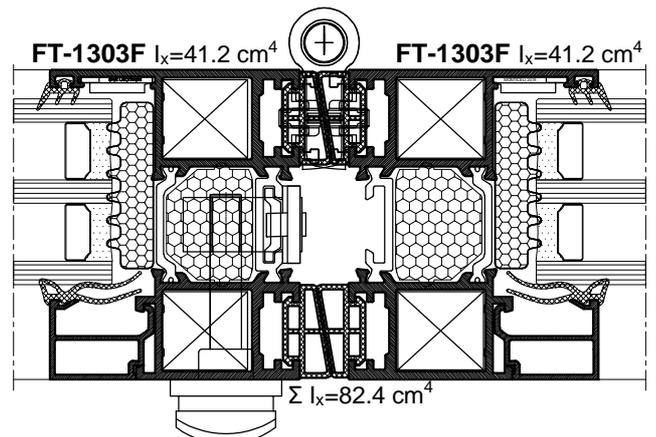


Trapezoidno opterećenje
Trapezoid load

$$I_x = 2x \frac{W \times M \times H^4}{1920 \times E \times f_{dop}} \times (25-40 \frac{a^2}{H^2} + 16 \frac{a^2}{H^2})$$

- I_x (cm⁴) = Moment inercije Moment of inertia
- W (kN/m²) = Opterećenje vjetrom Wind load
- H (m) = Visina krila Sash height
- E (kN/mm²) = Modul elastičnosti Elasticity modulus
- f_{dop} (mm) = dopušteni progib Allowed deformation
- a (m) = širina opterećenja Load width =L/a
- M (m) = širina krila Sash width

| Tlak (Pa) Pressure (Pa) | Brzina (m/s) Speed (m/s) | Brzina (km/h) Speed (km/h) |
|----------------------------|-----------------------------|-------------------------------|
| 200 | 18 | 64 |
| 300 | 22 | 78 |
| 500 | 28 | 100 |
| 800 | 35 | 126 |
| 1200 | 43 | 155 |
| 2000 | 56 | 200 |
| 2400 | 61 | 220 |



ATEST PROIZVOĐAČA SISTEMA CERTIFICATE OF THE SYSTEM MANUFACTURER

str:1

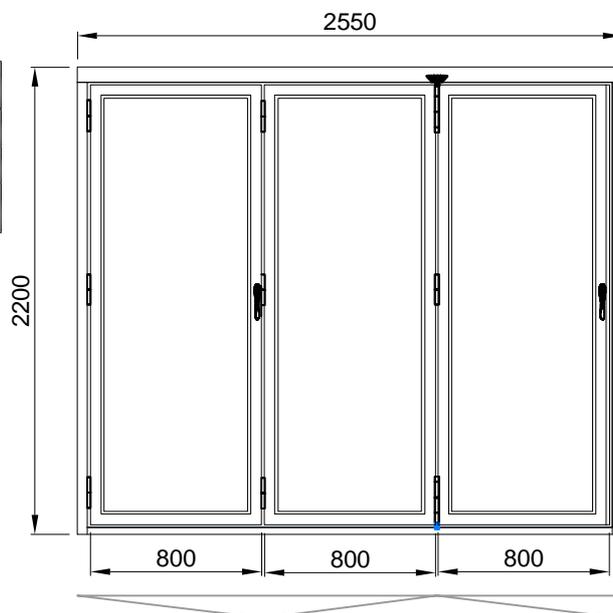
Naručilac:

| | |
|-------------------|----------------------------|
| Proizvođač | FEAL |
| Broj ispitivanja | 29102018-001 |
| Ispitao | Zoran Vrljić; Ante Golemac |
| Datum proizvodnje | 05.10.2018 |

Opis ispitnih uzoraka:

| | | | |
|---------------------------------|---------|--------------|--------|
| Vanjski izmjer (LxH) | 2,550 m | 2,200 m | Prečka |
| Izmjer prozorskog krila 1 (LxH) | 0,800 m | 2,072 m | Ne |
| Površina ispitnog uzorka | 5,610 m | Dužina spoja | |

| | |
|------------------------|--------------------|
| Vrsta ispitnog uzorka: | TERMO 80 HD |
|------------------------|--------------------|



Opis profila:

| | | | |
|-------------------|----------|------------------------|--------------|
| Okomica rama | FT-1302F | Proizvođač okova/tip: | Feal |
| Vodor.rama-gornja | FT-1301F | Staklena ispunja-krilo | izo (6+15+6) |
| Vodor.rama-donja | FT-1300F | Staklo lajsna | Z40-670 |
| Krilo | FT-1303F | Dubina rama i krila | 80 mm |

Napomene:

Uzorak harmonika vrata Termo 80 HD dimenzija 2550x2200 mm se sastoji od:
1.tip otvaranja 3+0; otvaranje unutra
2.dimenzije krila 800x2072 mm

| | | |
|--|----------|----------|
| Otpornost na opterećenje vjetrom prema | EN12210 | C2/B2 |
| Vodonepropusnost prema | EN 12154 | 4A |
| Zrakopropusnost prema..... | EN 12207 | Razred 2 |
| Sile otvaranja i zatvaranja | EN 13115 | - |

Datum:

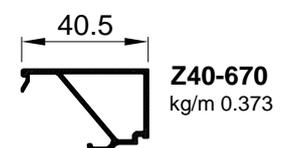
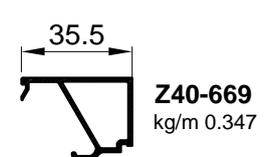
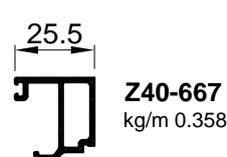
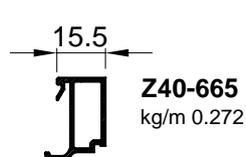
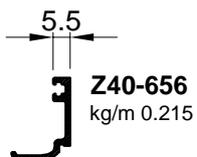
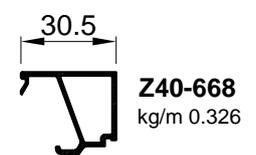
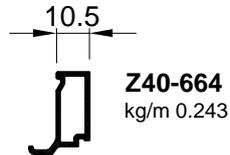
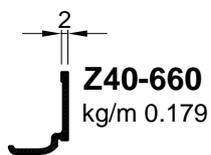
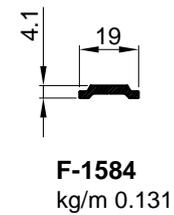
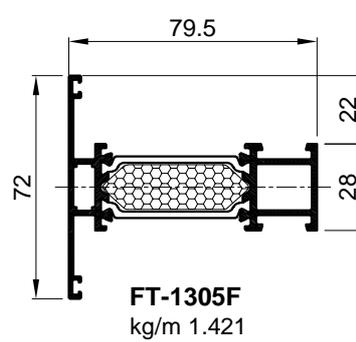
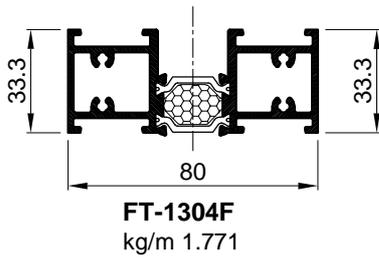
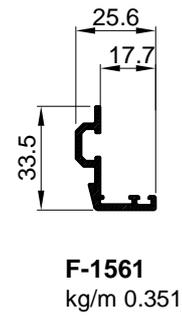
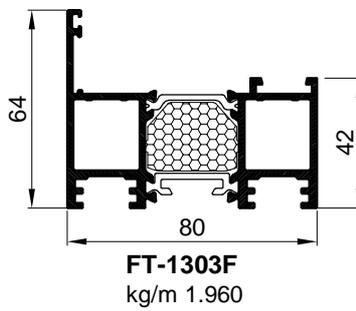
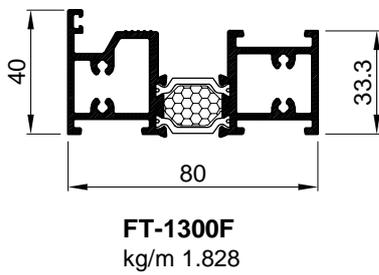
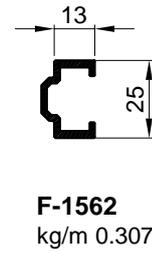
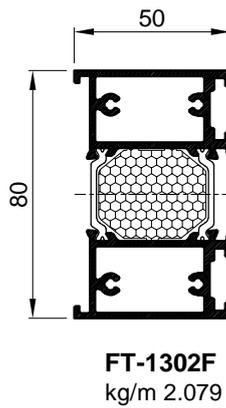
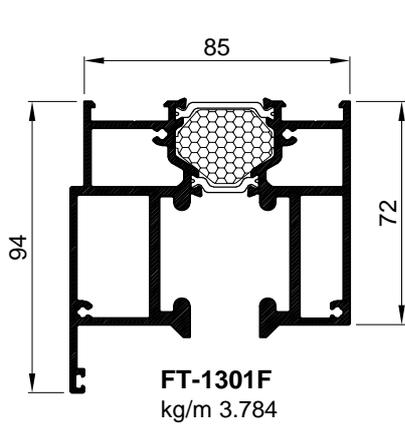
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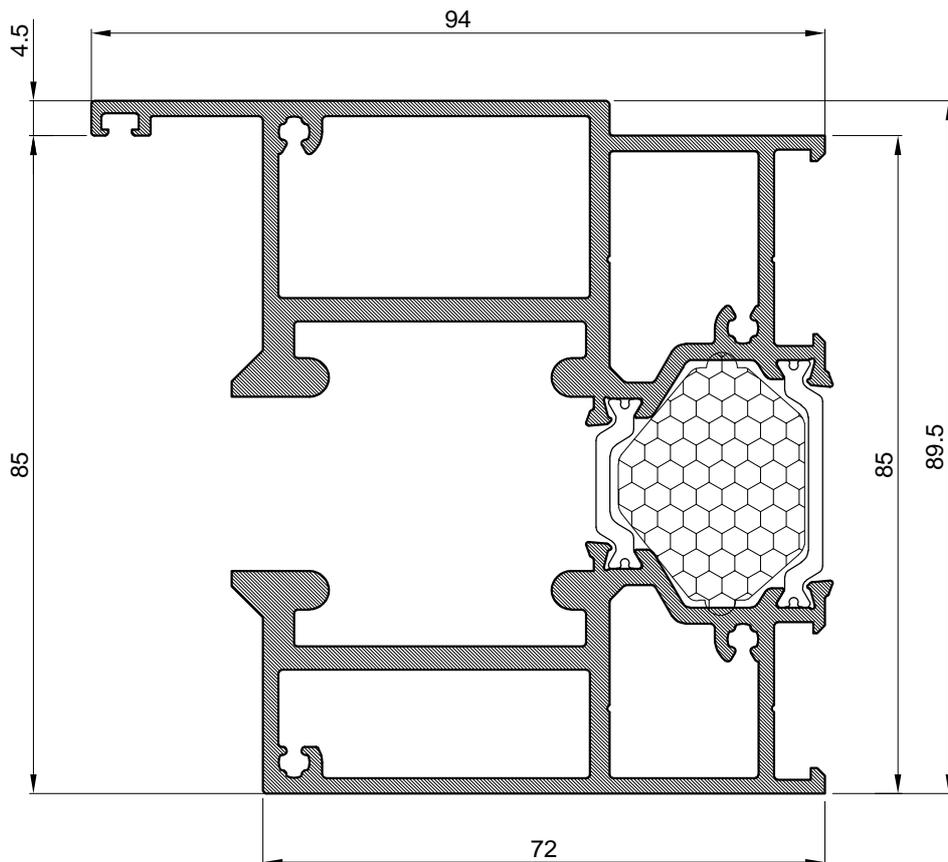
29.10.2018.

Ante Golemac, Zoran Vrljić

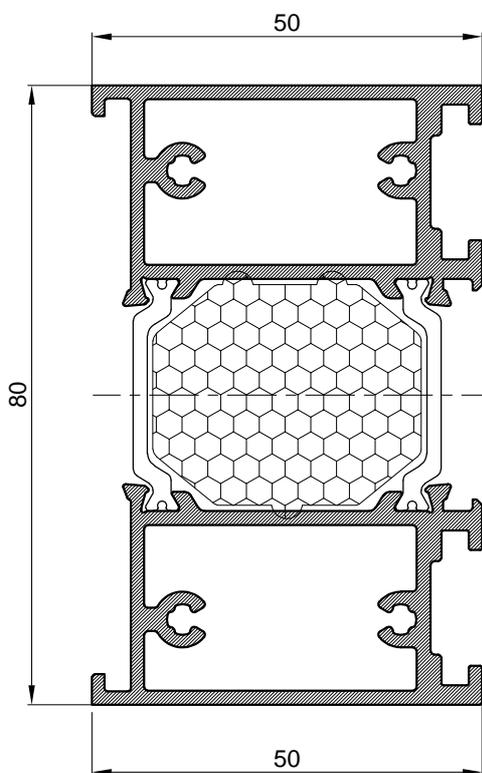
Potpis odgovornih osoba za ispitivanje:

Profili Profiles

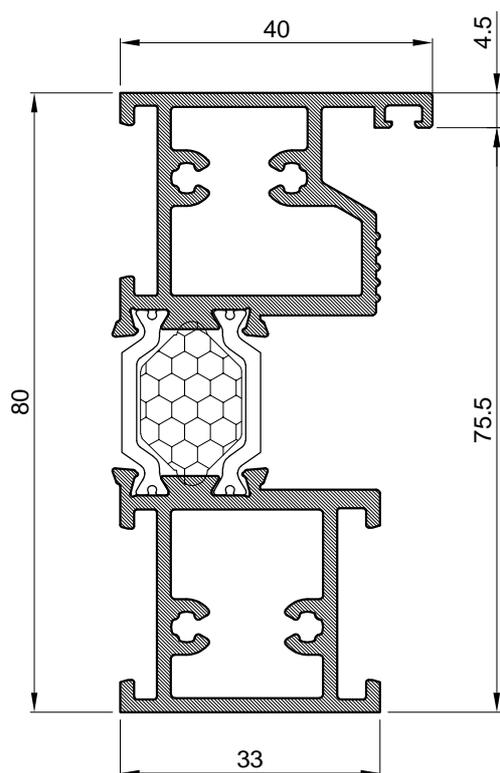




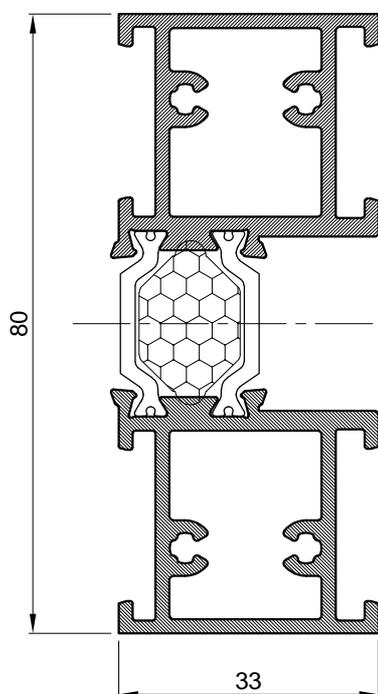
| Profil okvira rama Profile frame | | |
|--|--------------------------------------|-------|
| Art.-Br. Art.-No. | FT-1301F | |
| Težina Weight | kg/m | 3.784 |
| Opseg Perimeter | mm | 583 |
| Momenti inercije Moments of inertia | I _x (cm ⁴) | 89.13 |
| | I _y (cm ⁴) | 78.89 |
| | W _x (cm ³) | 26.43 |
| | W _y (cm ³) | 14.77 |
| L | mm | 6500 |



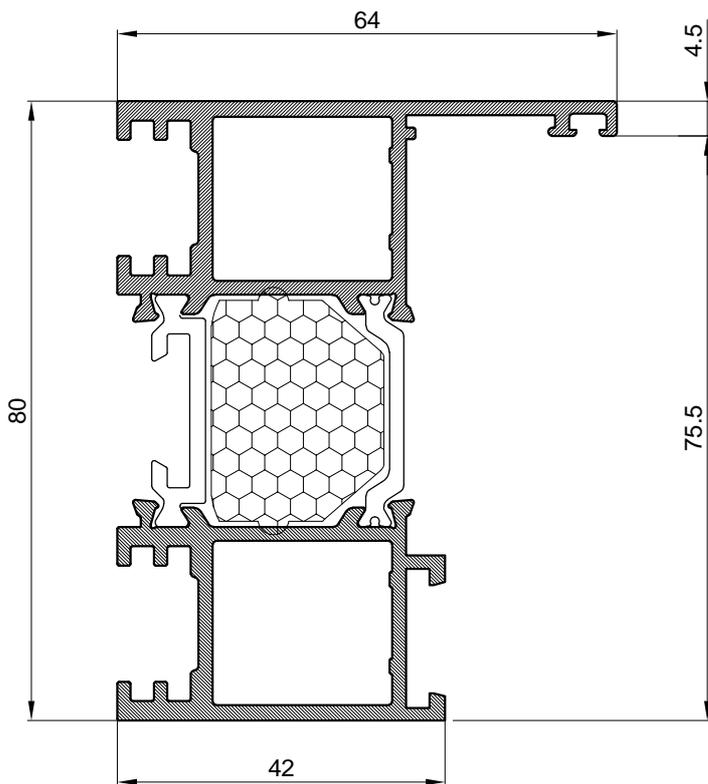
| Profil okvira rama -bočni Profile frame - mullion | | |
|--|--------------------------------------|-------|
| Art.-Br. Art.-No. | FT-1302F | |
| Težina Weight | kg/m | 2.079 |
| Opseg Perimeter | mm | 332 |
| Momenti inercije Moments of inertia | I _x (cm ⁴) | 42.82 |
| | I _y (cm ⁴) | 18.14 |
| | W _x (cm ³) | 14.56 |
| | W _y (cm ³) | 6.79 |
| L | mm | 6500 |



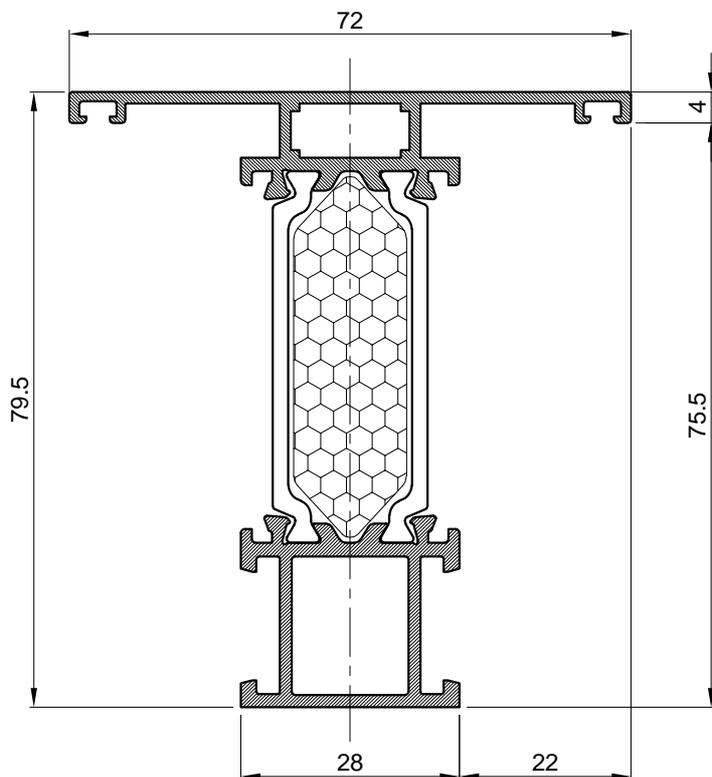
| Profil okvira rama-prag Profile frame-threshold | | |
|--|--------------------------|-------|
| Art.-Br. Art.-No. | FT-1300F | |
| Težina Weight | kg/m | 1.828 |
| Opseg Perimeter | mm | 374 |
| Momenti inerције Moments of inertia | Ix (cm ⁴) | 34.01 |
| | Iy (cm ⁴) | 7.09 |
| | Wx (cm ³) | 11.02 |
| | Wy (cm ³) | 3.05 |
| L | mm | 6500 |



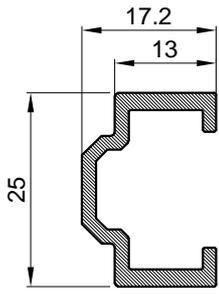
| Profil okvira rama -prag Profile frame-threshold | | |
|---|--------------------------|-------|
| Art.-Br. Art.-No. | FT-1304F | |
| Težina Weight | kg/m | 1.771 |
| Opseg Perimeter | mm | 371 |
| Momenti inercije Moments of inertia | Ix (cm ⁴) | 42.73 |
| | Iy (cm ⁴) | 6.21 |
| | Wx (cm ³) | 10.68 |
| | Wy (cm ³) | 3.05 |
| L | mm | 6500 |



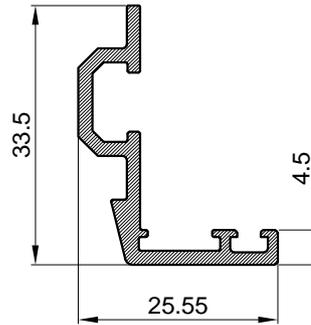
| Profil krila Sash profile | | |
|---|--------------------------|-------|
| Art.-Br. Art.-No. | FT-1303F | |
| Težina Weight | kg/m | 1.960 |
| Opseg Perimeter | mm | 438 |
| Momenti inerccije Moments of inertia | Ix (cm ⁴) | 41.21 |
| | Iy (cm ⁴) | 15.62 |
| | Wx (cm ³) | 13.15 |
| | Wy (cm ³) | 3.74 |
| L | mm | 6500 |



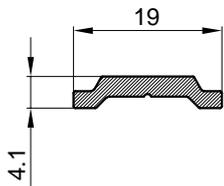
| Profil prečke Profile window mullion | | |
|---|--------------------------|-------|
| Art.-Br. Art.-No. | FT-1305F | |
| Težina Weight | kg/m | 1.421 |
| Opseg Perimeter | mm | 410 |
| Momenti inerccije Moments of inertia | Ix (cm ⁴) | 41.21 |
| | Iy (cm ⁴) | 15.62 |
| | Wx (cm ³) | 13.15 |
| | Wy (cm ³) | 3.74 |
| L | mm | 6500 |



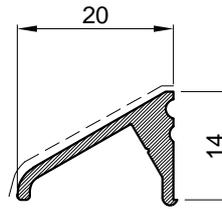
| Dodatni profil Add profile | | |
|-------------------------------|---------------|-------|
| Art.-Br. Art.-No. | F-1562 | |
| Težina Weight | kg/m | 0.307 |
| Opseg Perimeter | mm | 119 |
| L | mm | 6500 |



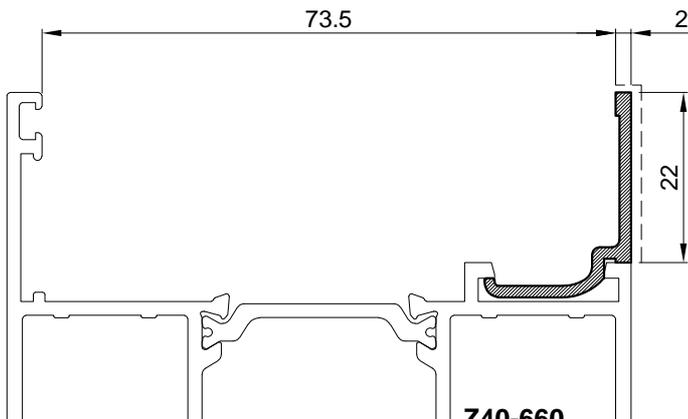
| Dodatni profil Add profile | | |
|-------------------------------|---------------|-------|
| Art.-Br. Art.-No. | F-1561 | |
| Težina Weight | kg/m | 0.351 |
| Opseg Perimeter | mm | 149 |
| L | mm | 6500 |



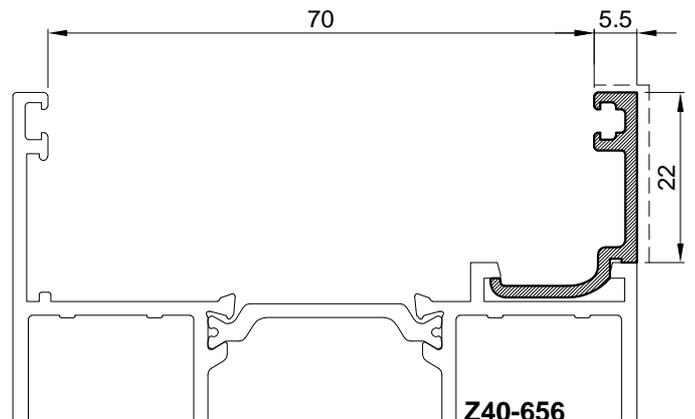
| Klizač Slider | | |
|----------------------|---------------|-------|
| Art.-Br. Art.-No. | F-1584 | |
| Težina Weight | kg/m | 0.131 |
| Opseg Perimeter | mm | 45 |
| L | mm | 6500 |



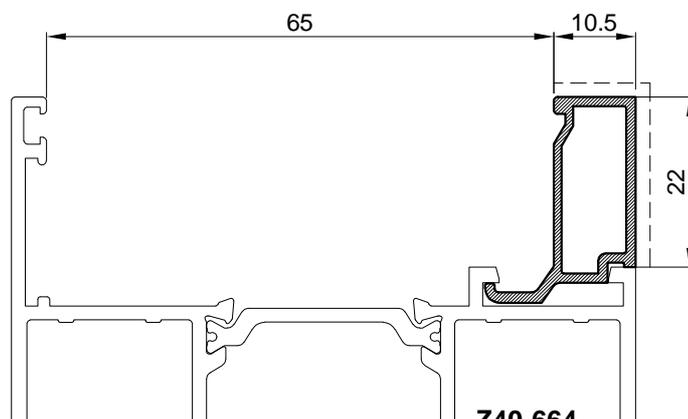
| Okapnica Drip rail | | |
|-----------------------|----------------|-------|
| Art.-Br. Art.-No. | Z40-657 | |
| Težina Weight | kg/m | 0.186 |
| Opseg Perimeter | mm | 73 |
| L | mm | 6500 |



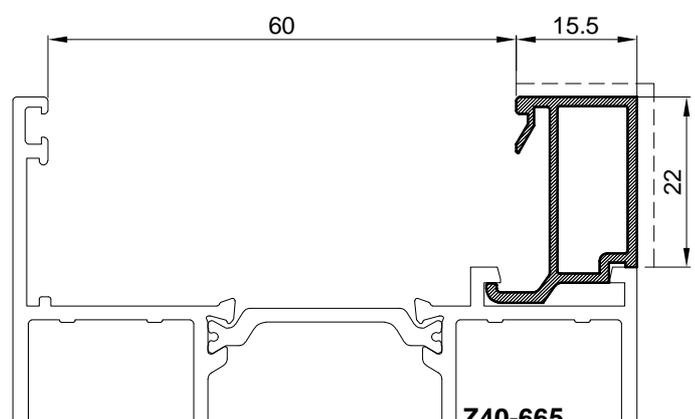
Z40-660
težina: kg/ml 0.179
svj.povr. mm 24
weight: kg/ml 0.179
visible surface: mm 24



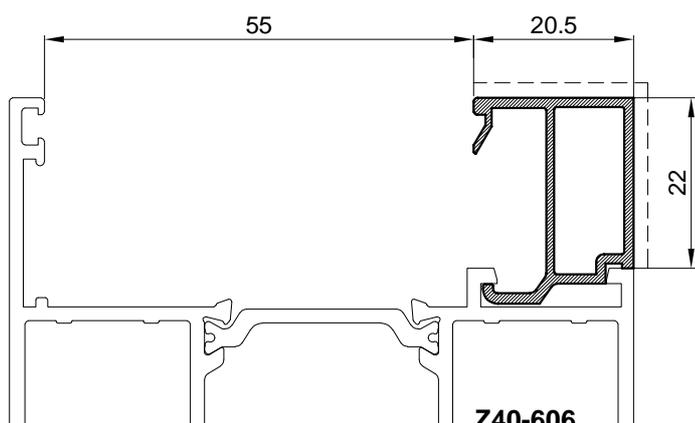
Z40-656
težina: kg/ml 0.215
svj.povr. mm 27
weight: kg/ml 0.215
visible surface: mm 27



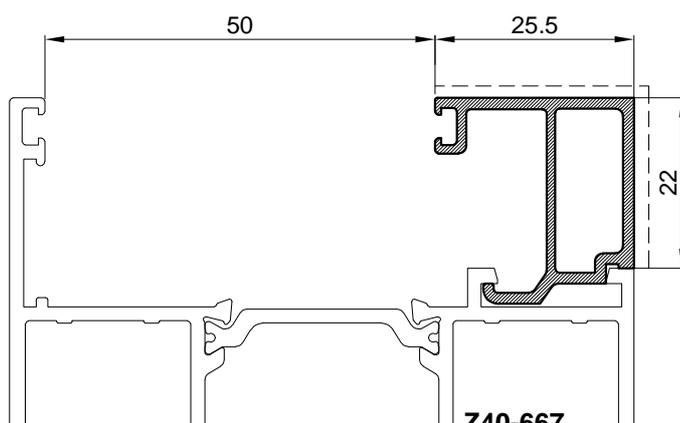
Z40-664
težina: kg/ml 0.243
svj.povr. mm 32
weight: kg/ml 0.243
visible surface: mm 32



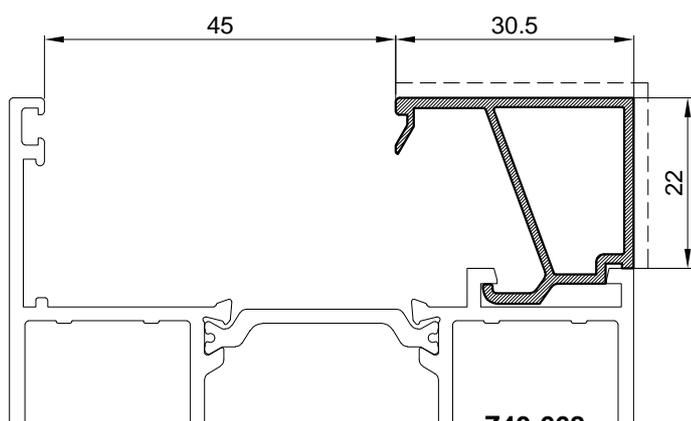
Z40-665
težina: kg/ml 0.272
svj.povr. mm 37
weight: kg/ml 0.272
visible surface: mm 37



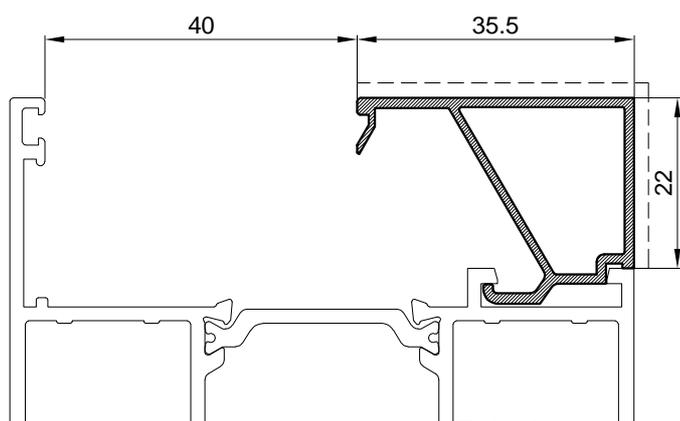
Z40-606
 težina: kg/ml 0.289
 svj.povr. mm 42
 weight: kg/ml 0.289
 visible surface: mm 42



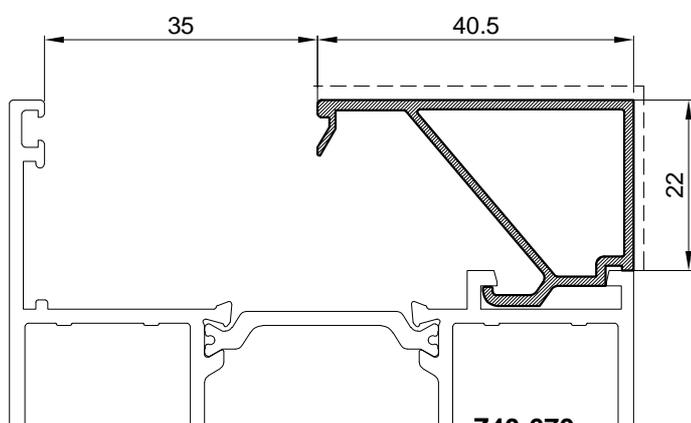
Z40-667
 težina: kg/ml 0.358
 svj.povr. mm 47
 weight: kg/ml 0.358
 visible surface: mm 47



Z40-668
 težina: kg/ml 0.326
 svj.povr. mm 52
 weight: kg/ml 0.326
 visible surface: mm 52



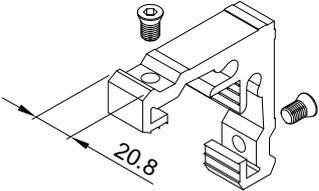
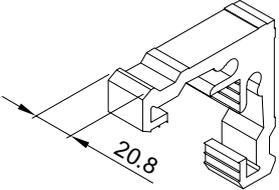
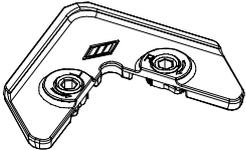
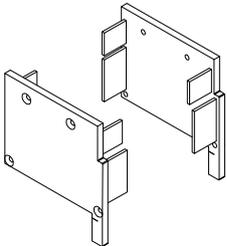
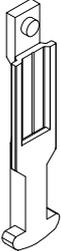
Z40-669
 težina: kg/ml 0.347
 svj.povr. mm 57
 weight: kg/ml 0.347
 visible surface: mm 57



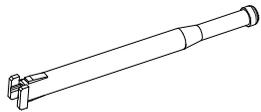
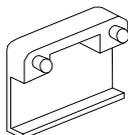
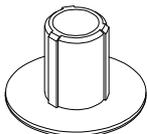
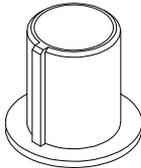
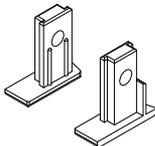
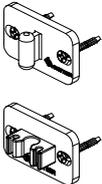
Z40-670
 težina: kg/ml 0.373
 svj.povr. mm 63
 weight: kg/ml 0.373
 visible surface: mm 63

Vezni elementi

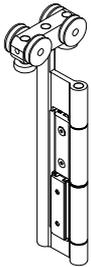
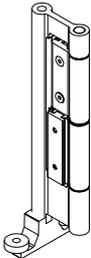
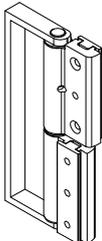
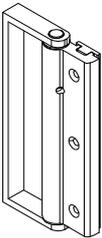
Connection elements

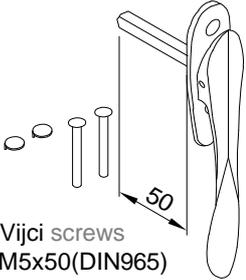
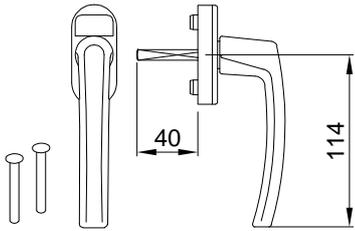
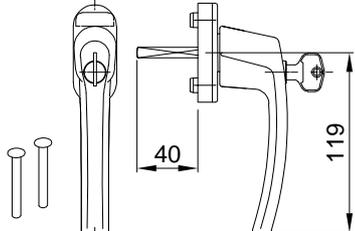
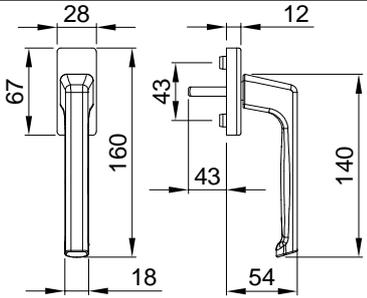
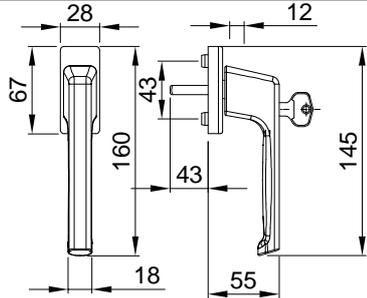
| Oznaka Code | Izgled-presjek View- cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|---|--|-----------------------|--------------------|
| 710.413 |  | <ul style="list-style-type: none"> - Kutna spojnica 22.3, L=20.7 - Koristi se za profil krila FT-1303 - Corner bracket 22.3, L=20.7 - Use for sash profile FT-1303 | Al. | |
| 710.422 |  | <ul style="list-style-type: none"> - Kutna spojnica 22.3, L=20.7 - Koristi se za profil krila FT-1303 - Corner bracket 22.3, L=20.7 - Use for sash profile FT-1303 | Al. | |
| 731.010 |  | <ul style="list-style-type: none"> - Kutna spojnica za komoru 19.1x1.6 - Stara oznaka 2019/500 - Corner bracket for chamber 19.1x1.6 - Former code 2019/500 | Zamak | |
| 383.001 |  | <ul style="list-style-type: none"> - Maska gornjeg vodoravnog profila rama - Mask of upper horizontal profile frame | Zamak | |
| 383.002 |  | <ul style="list-style-type: none"> - Zapinjač u krilu profila FT-1303 - Pawl in wing of profile FT-1303 | Zamak | |
| | | | | |

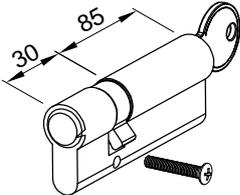
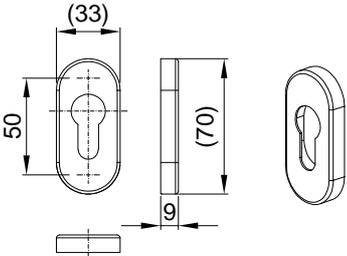
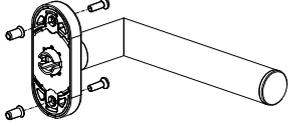
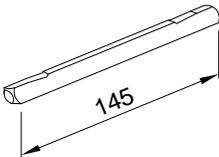
PVC elementi
PVC elements

| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|--------------------------|---|--|---------------------------|--------------------|
| 360.009 |  | <ul style="list-style-type: none"> - Sustav odvodnje kapljevina "Monodrain" - System drainage "Monodrain" | Guma | |
| 373.003.01 .02 .03 |  | <ul style="list-style-type: none"> - Maska za drenažni otvor - Boje: 01 - bijela; 02 - siva; 03 - crna - Stara oznaka: 2328 - Mask for drainage hole - Colors: 01 - white; 02 - gray; 03 - black - Former code: 2328 | PVC | |
| 363.067 |  | <ul style="list-style-type: none"> - Umetak kolica - Insert trolley | Tvrda guma Hard rubber | |
| 373.056 |  | <ul style="list-style-type: none"> - Umetak za baglamu - Insert for hinge | PVC | |
| 363.069 |  | <ul style="list-style-type: none"> - Umetak za profil F-1561 (lijevi+desni) - Insert for profile F-1561 (left+right) | Tvrda guma Hard rubber | |
| 140.081 |  | <ul style="list-style-type: none"> - Osigurač protiv zatvaranja - Izvorna oznaka:93638.6 - Anti-closing safety device - Former code:93638.6 | PVC | |

Mehanizmi Mechanisms

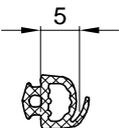
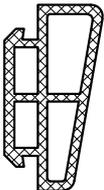
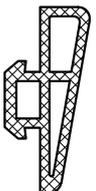
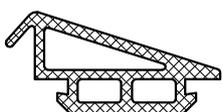
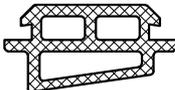
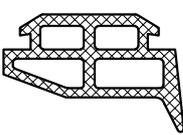
| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material |
|------------------------|---|--|-----------------------|
| 111.024.01 02 03 |  | -Baglama -Boje: 01- bijela, 02 - siva, 03 - crna -Hinge -Color: 01- white, 02 - grey, 03 - black | |
| 111.022.01 02 03 |  | -Mehanizam gornje vodilice -Boje: 01- bijela, 02 - siva, 03 - crna -Mechanism of the upper guide -Color: 01- white, 02 - grey, 03 - black | |
| 111.023.01 02 03 |  | -Mehanizam donje vodilice -Boje: 01- bijela, 02 - siva, 03 - crna -Mechanism of the bottom guide -Color: 01- white, 02 - grey, 03 - black | |
| 111.025.01 02 03 |  | -Baglama sa rukohvatom, otvaranje vani -Boje: 01- bijela, 02 - siva, 03 - crna -Hinge with handrail, outside opening -Color: 01- white, 02 - grey, 03 - black | |
| 111.026.01 02 03 |  | -Rukohvat, otvaranje unutra -Boje: 01- bijela, 02 - siva, 03 - crna -Handrail, inside opening -Color: 01- white, 02 - grey, 03 - black | |
| 140.088 |  | -Bravica za ključanje -Stara oznaka Bing (3626.1) -Key lock -Former code Bing (3626.1) | |

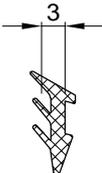
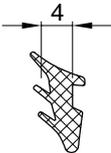
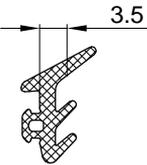
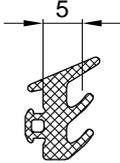
| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|------------------------|--|---|-----------------------|--------------------|
| 435.010 |  | -Vijak za povezivanje klizača F-1584 sa bravom 140.088 Kod proizvođača 6420E.11 -Screw for connecting slider F-1584 with lock 140.088 Manufacturer's code 6420E.11 | | |
| 105.007.01 02 03 |  Vijci screws M5x50(DIN965) | -Ručica za bravu, dužina osovine 50 mm Compa window handle 2494 -Boje: 01- bijela, 02 - siva, 03 - crna -Lock handle, shaft length 50 mm Compa window handle 2494 -Color: 01- white, 02 - grey, 03 - black | | |
| 100.017 |  | - Ručka za vrata, osovina 40 mm - Oznaka proizvođača: Roto Line Standard - Door handle with key, shaft 40 mm - Manufacturer code: Roto Line Standard | | |
| 100.018 |  | - Ručka za vrata s ključem, osovina 40 mm - Oznaka proizvođača: Roto Line Sicherheit - Door handle with key, shaft 40 mm - Manufacturer code: Roto Line Sicherheit | | |
| 102.019.01 02 03 |  | -Ručka Dirigent-F s firkantom 7x7 mm, dužina osovine 43mm -Oznaka proizvođača: 6-28072-00-0- 11 siva 06 crna 07 bijela -Handle Dirigent-F with 7x7 mm square, shaft length 43mm -Manufacturer code: 6-28072-00-0- 11 gray 06 black 07 white | | |
| 102.020 |  | -Ručka Dirigent-F s firkantom 7x7 mm i ključanjem, dužina osovine 43mm -Oznaka proizvođača: 6-28075-00-0- 11 siva 06 crna 07 bijela -Handle Dirigent-F with 7x7 mm square and locking, shaft length 43mm -Manufacturer code: 6-28075-00-0- 11 gray 06 black 07 white | | |

| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|---|---|-----------------------|--|
| 122.073 |  | <ul style="list-style-type: none"> - Brava (kratka) 35 mm s jezičkom - ravna potisna ploča - Oznaka proizvođača GU-BKS: B 1314 0003 - Lock 35 mm with latchbolt - flat pressure plate - Manufacturer code GU-BKS: B 1314 0003 | | |
| 126.028 |  | <ul style="list-style-type: none"> - Cilindar (uložak) za bravu - (30+85 mm) - Oznaka proizvođača ISEO Serrature: 810930859 - Lock cylinder (insert) - (30+85 mm) - Manufacturer code ISEO Serrature: 810930859 | | |
| 122.098 |  | <ul style="list-style-type: none"> - Ovalna rozeta za zaštitu cilindra serije BELCANTO - Oznaka proizvođača GU-BKS: B-72730-00-0-8 - Završna obrada: Inox - Oval rosette for cylinder protection BELCANTO series - Manufacturer code GU-BKS: B-72730-00-0-8 - Finish: stainless steel | | Naručuje se po komadu It is ordered per piece |
| 102.028 |  | <ul style="list-style-type: none"> - Ručka serije BELCANTO H2.0 - Jednostrano ručka - Oznaka proizvođača GU-BKS: B-70130-63-0-8 - Završna obrada: Inox - BELCANTO H2.0 series handle - Single-sided handle - Manufacturer code GU-BKS: B-70130-63-0-8 - Finish: stainless steel | | Naručuje se po komadu It is ordered per piece |
| 102.025 |  | <ul style="list-style-type: none"> - Četvrtka 8 mm za obostranu ručku - L=145 mm - Oznaka proizvođača GU-BKS: B-78400-00-0-1 - Square spindle 8 mm for double-sided handle - L=145 mm - Manufacturer code GU-BKS: B-78400-00-0-1 | | |

| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|---|---|-----------------------|--------------------|
| 122.054 |  | <ul style="list-style-type: none"> - Prihvatni lim (ravni) MR-SECA - (lijevi) - Oznaka proizvođača GU: 6-39257-01-L-8 - Striking plate (flat) MR-SECA - (left) - Manufacturer code GU: 6-39257-01-L-8 | | |
| 122.079 | | <ul style="list-style-type: none"> - Prihvatni lim (ravni) MR-SECA - (desni) - Oznaka proizvođača GU: 6-39257-01-R-8 - Striking plate (flat) MR-SECA - (right) - Manufacturer code GU: 6-39257-01-R-8 | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Brve
Gaskets

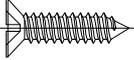
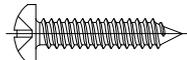
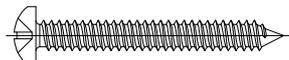
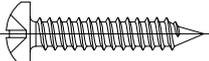
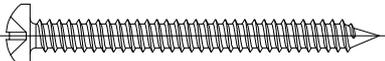
| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|---|---|-----------------------|--------------------|
| 341.011 |  | - Brtva između rama i krila - Gasket between frame and sash | EPDM | |
| 341.014 |  | - Brtva na spojevima - Gasket on the joints | EPDM | 60 ShA |
| 341.015 |  | - Brtva na spojevima - Gasket on the joints | EPDM | 60 ShA |
| 341.016 |  | - Brtva u krilu prema rami - Gasket in the sash towards frame | EPDM | 70 ShA |
| 341.017 |  | - Brtva u krilu prema pragu - Gasket in the sash towards threshold | EPDM | 70 ShA |
| 341.018 |  | - Brtva u krilu prema pragu - Gasket in the sash towards threshold | EPDM | 70 ShA |

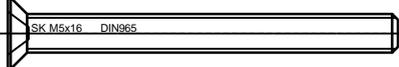
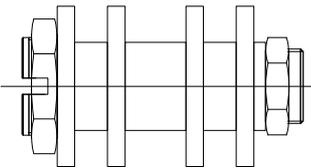
| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|---|--|-----------------------|--------------------|
| 344.085 |  | <ul style="list-style-type: none"> - Brtva praga - Threshold gasket | TPE | 65 ShA |
| 328.001 |  | <ul style="list-style-type: none"> - Brtva u profilu krila i rama - Stara oznaka (Z106) - Gasket in sash and frame profile - Former code (Z106) | EPDM | 61 |
| 318.001 |  | <ul style="list-style-type: none"> - Brtva prema staklu-unutarnja (3mm) - Stara oznaka (921) - Gasket to the glass-interior (3mm) - Former code (921) | EPDM | 71 |
| 318.002 |  | <ul style="list-style-type: none"> - Brtva prema staklu-unutarnja (4mm) - Stara oznaka (918) - Gasket to the glass-interior (4mm) - Former code (918) | EPDM | 71 |
| 328.002 |  | <ul style="list-style-type: none"> - Brtva prema staklu - vanjska (3.5 mm) - Stara oznaka (Z111) - Gasket towards glass - exterior (3.5 mm) - Former code (Z111) | EPDM | 61 |
| 328.003 |  | <ul style="list-style-type: none"> - Brtva prema staklu - vanjska (5 mm) - Stara oznaka (Z113) - Gasket towards glass - exterior (5 mm) - Former code (Z113) | EPDM | 61 |

| Oznaka Code | Izgled-presjek View-cross section | Opis Description | Materijal Material | Napomena Remark |
|----------------|--------------------------------------|---|-----------------------|--------------------|
| 311.003 | <p>3-4</p> | <ul style="list-style-type: none"> - Brtva prema staklu-unutarnja (3-4 mm) - Gasket towards glass-interior (3-4 mm) | EPDM | 71 |
| 311.004 | <p>5-6</p> | <ul style="list-style-type: none"> - Brtva prema staklu-unutarnja (5-6 mm) - Gasket towards glass-interior (5-6 mm) | EPDM | 71 |
| 311.005 | <p>7-8</p> | <ul style="list-style-type: none"> - Brtva prema staklu-unutarnja (7-8 mm) - Gasket towards glass-interior (7-8 mm) | EPDM | 71 |
| | | | | |
| | | | | |
| | | | | |

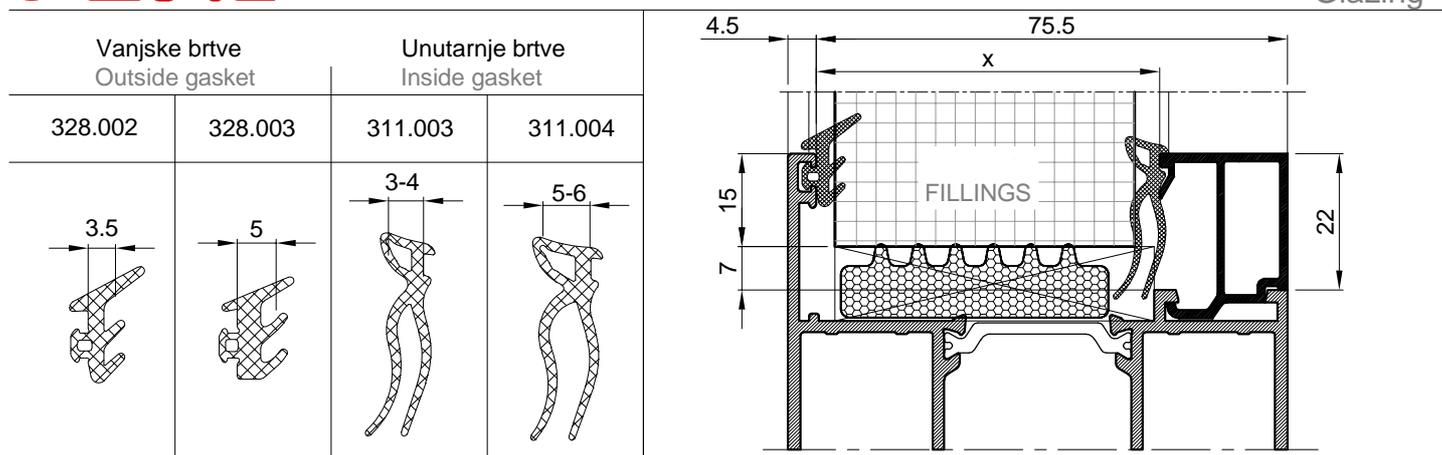
Dodaci

Accessories

| Oznaka Code | Opis Description | Izgled-presjek View- cross section | Materijal Material | Napomena Napomena |
|----------------|---|--|-----------------------|----------------------|
| 433.105 |  | Vijak 3.9x16, DIN 7982 Vijak 3.9x16, DIN 7982 | | |
| 433.018 |  | Vijak 3.9x19, DIN 7981 Vijak 3.9x19, DIN 7981 | | |
| 433.021 |  | Vijak 3.9x32, DIN 7981 Vijak 3.9x32, DIN 7981 | | |
| 433.031 |  | - Vijak 4.2x22, DIN 7981 Vijak 4.2x22, DIN 7981 | | |
| 433.036 |  | - Vijak 4.2x45, DIN 7981 Vijak 4.2x45, DIN 7981 | | |
| | | | | |

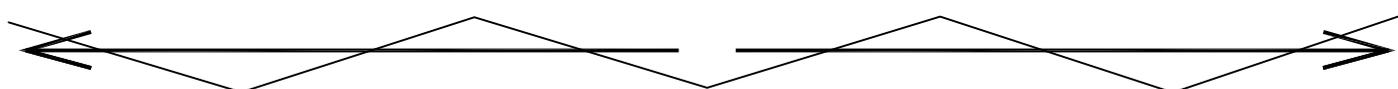
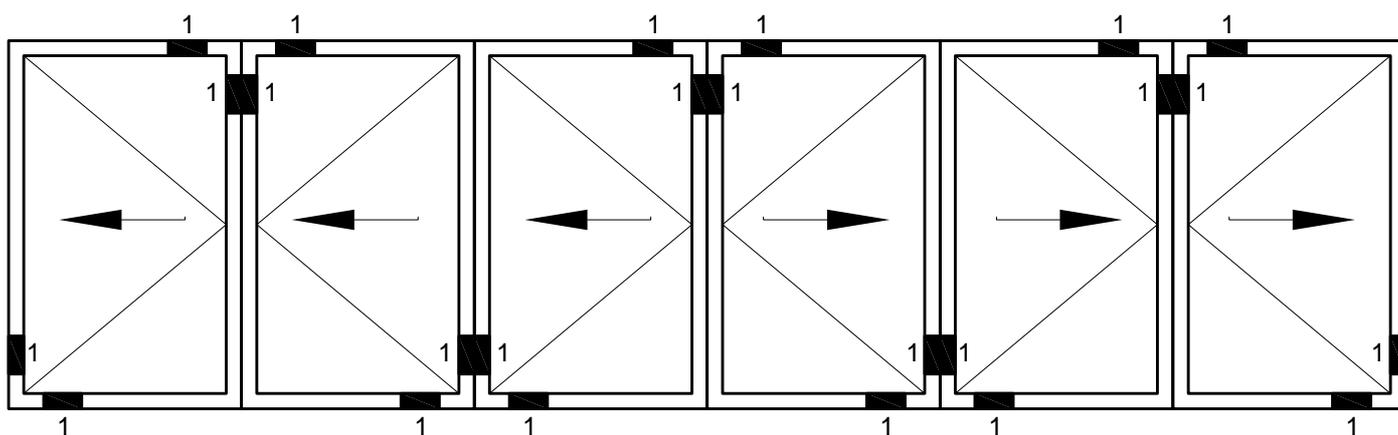
| Oznaka Code | Opis Description | Izgled-presjek View- cross section | Materijal Material | Napomena Napomena |
|----------------|--|---|-----------------------|----------------------|
| 431.920 |  | Vijak M5x50, DIN 965 Vijak M5X50, DIN965 | | |
| 431.923 |  | Vijak M5x70, DIN 965 Vijak M5X70, DIN965 | | |
| 220.029 |  | <ul style="list-style-type: none"> - Grupa glodala za obradu profila FT-1300F i FT-1304F prema profilu rama FT-1302F - Group of milling cutters for processing profiles FT-1300F and FT-1304F according to the frame profile FT-1302F | Čelik | |
| | | | | |
| | | | | |
| | | | | |

Prikaz stakljenja Glazing

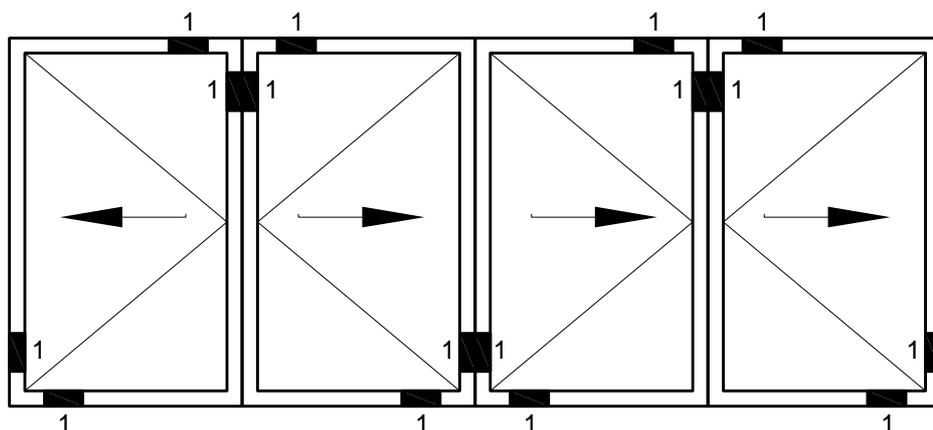


| Ispuna X Fillings X | Vanjska brtva Outside gas. | Unutar. brtva Inside gasket | LAJSNE ZA STAKLO BEAD FOR GLASS | | | |
|------------------------|-------------------------------|--------------------------------|------------------------------------|--|--|--|
| 23-25 | 328.003 | 311.004 | | | | |
| 25-27 | 328.002 | 311.004 | | | | |
| | 328.003 | 311.003 | | | | |
| 28-30 | 328.003 | 311.004 | | | | |
| 30-32 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 33-35 | 328.003 | 311.004 | | | | |
| 35-37 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 38-40 | 328.003 | 311.004 | | | | |
| 40-42 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 43-45 | 328.003 | 311.004 | | | | |
| 45-47 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 48-50 | 328.003 | 311.004 | | | | |
| 50-52 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 53-55 | 328.003 | 311.004 | | | | |
| 55-57 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 58-60 | 328.003 | 311.004 | | | | |
| 60-62 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |
| 62-64 | 328.003 | 311.004 | | | | |
| 64-66 | 328.002 | 311.004 | | | | |
| | | 328.003 | 311.003 | | | |

- Preporuke za raspored podmetača kod ugradnje elemenata za ispunu



harmonika otvaranje



harmonika otvaranje

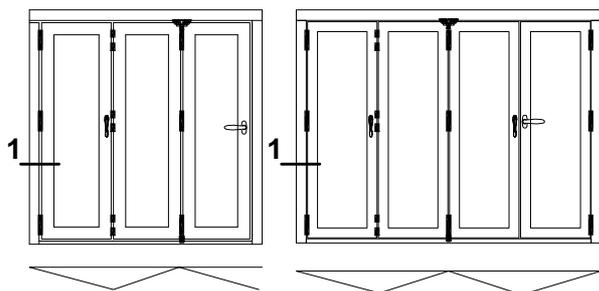
 nosivi podmetač

 odstojni podmetač

Materijal podmetača: PVC

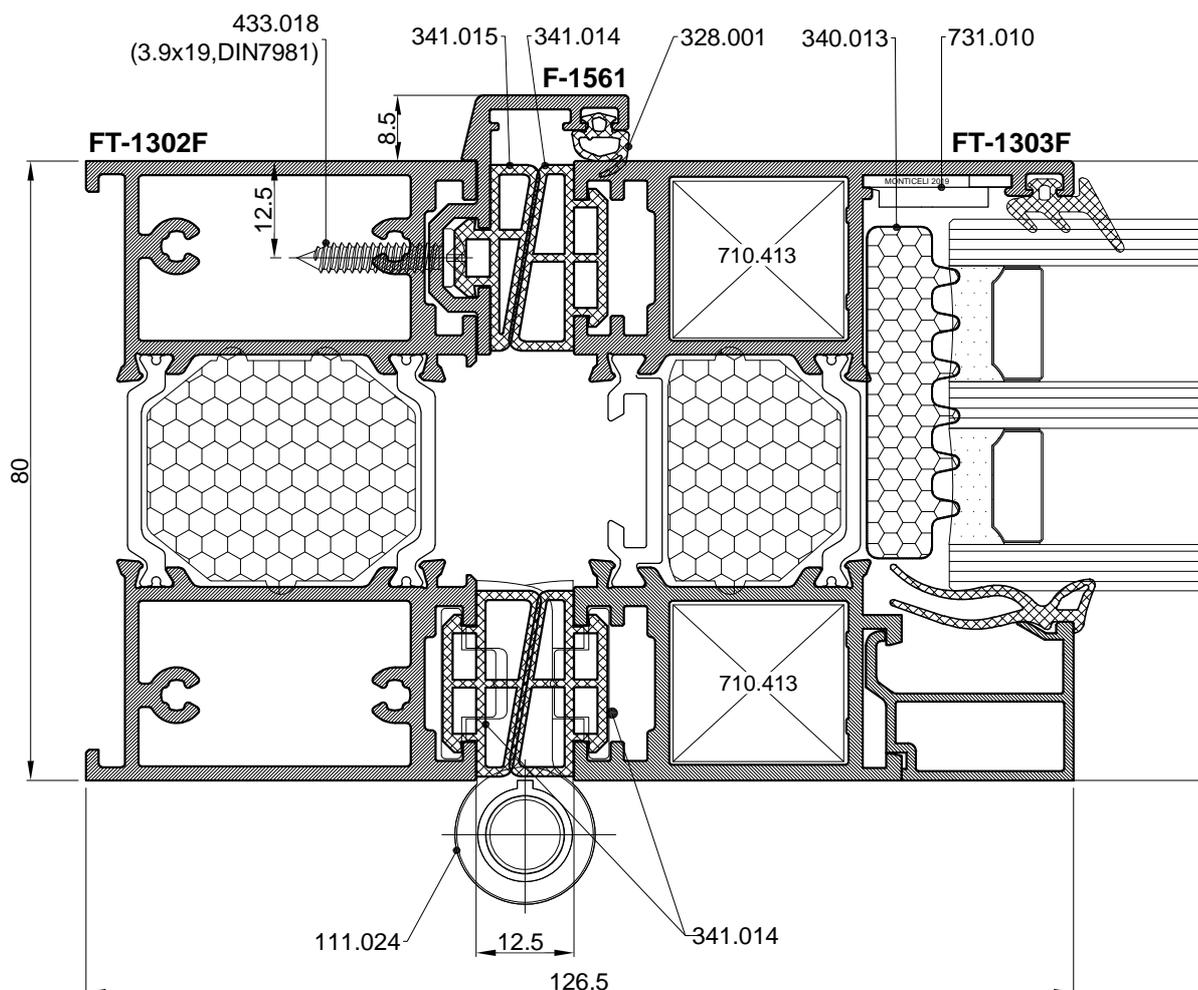
1* Za staklene plohe širine preko 1 m, potrebno je postaviti 2 nosiva podmetača dužine najmanje 100 mm iznad ležaja okretnih elemenata

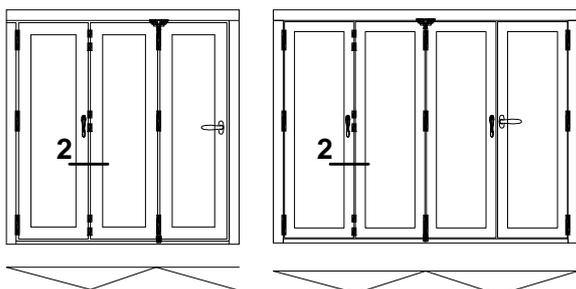
Presjeci Cross section



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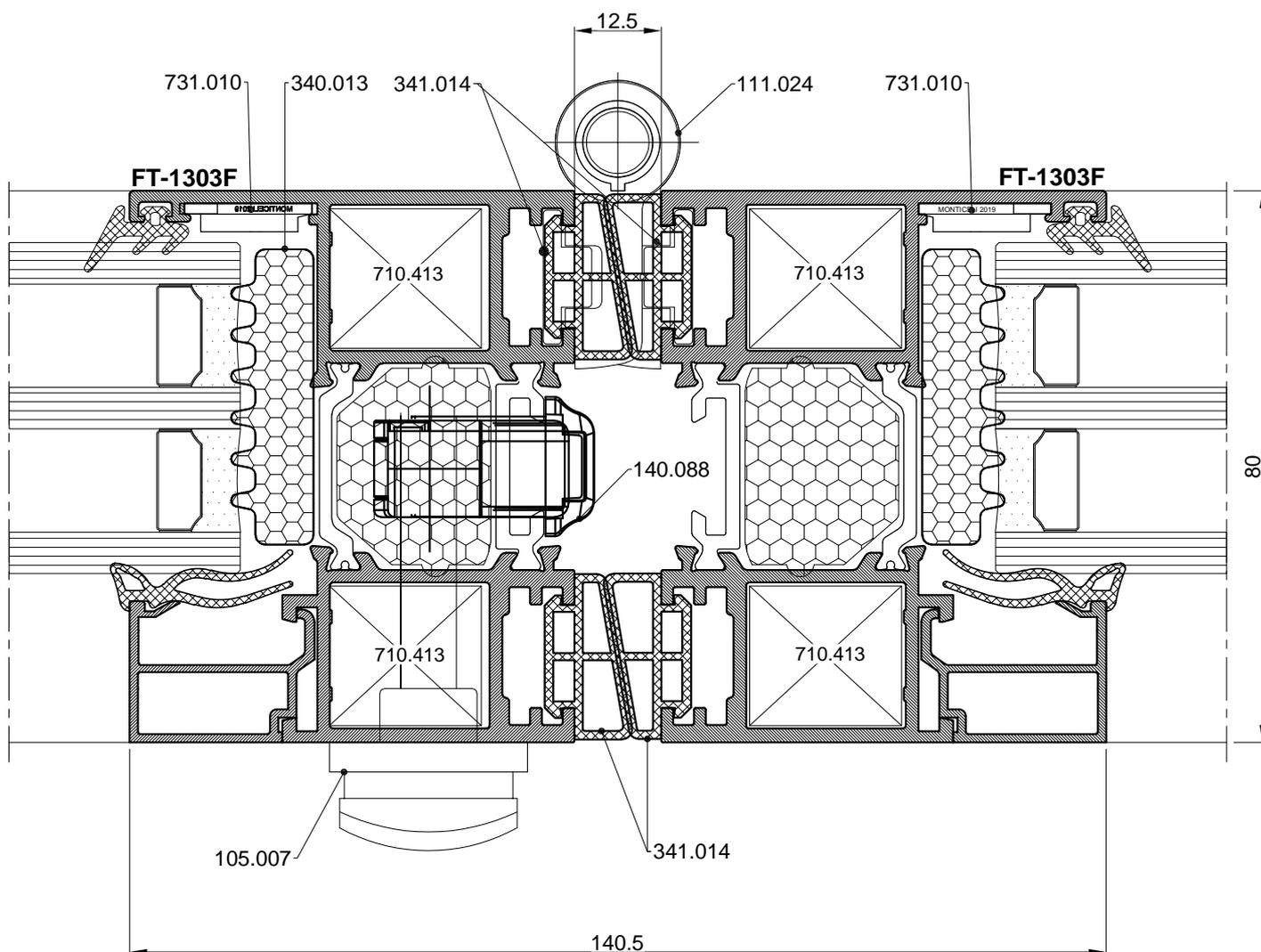
PRESJEK 1
CROSS SECTION 1

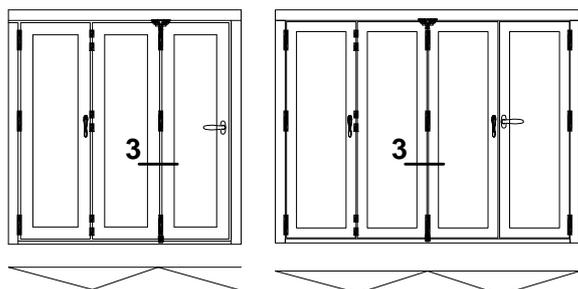




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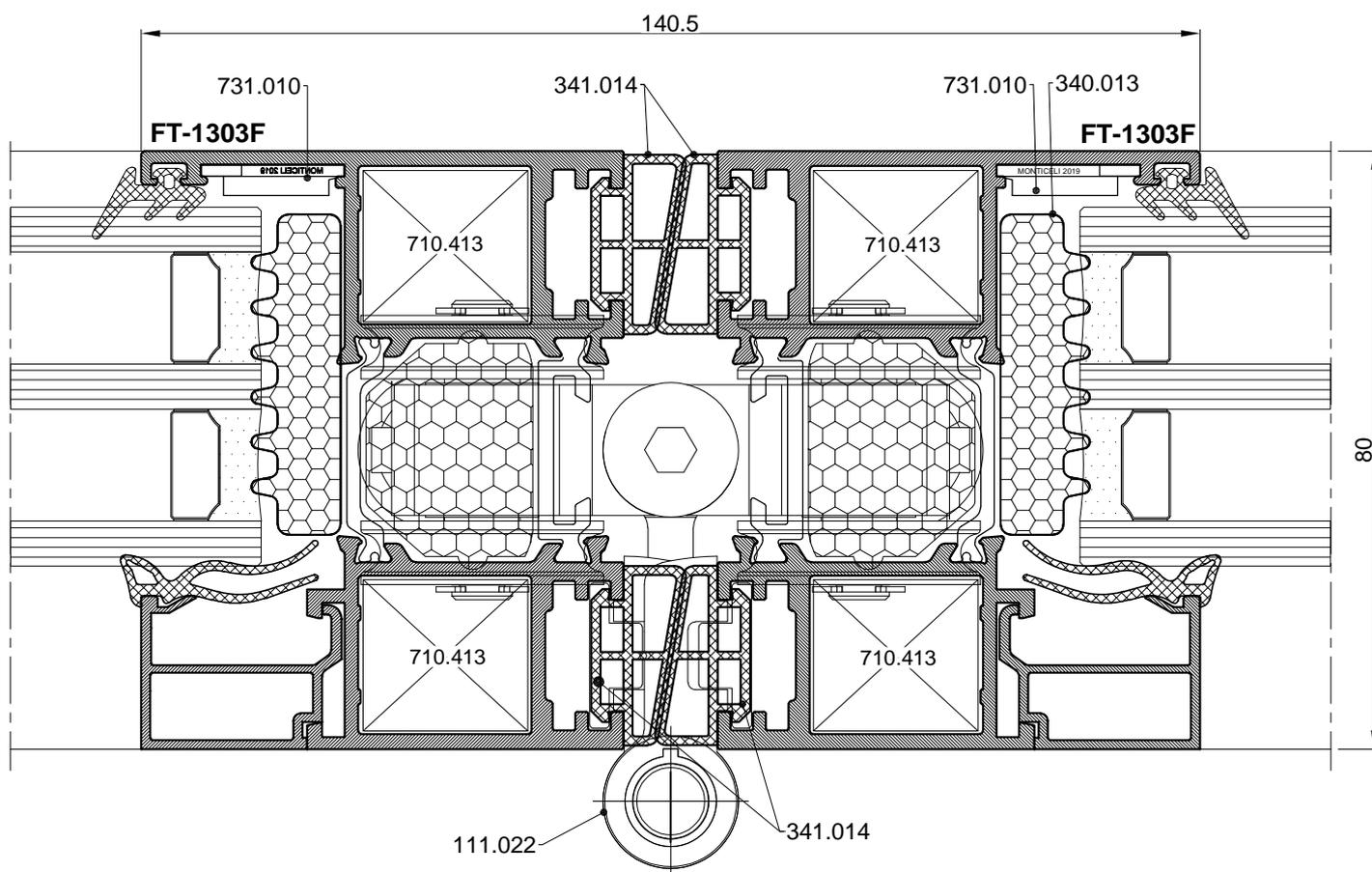
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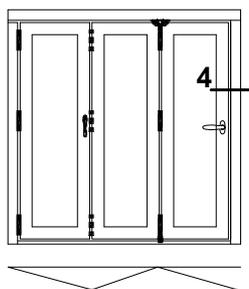




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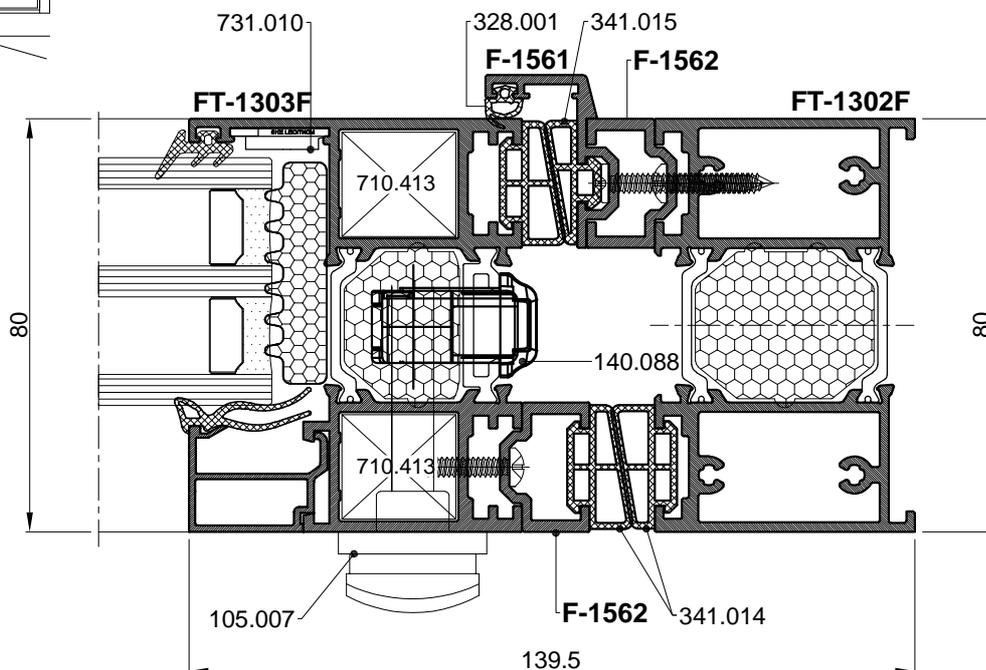
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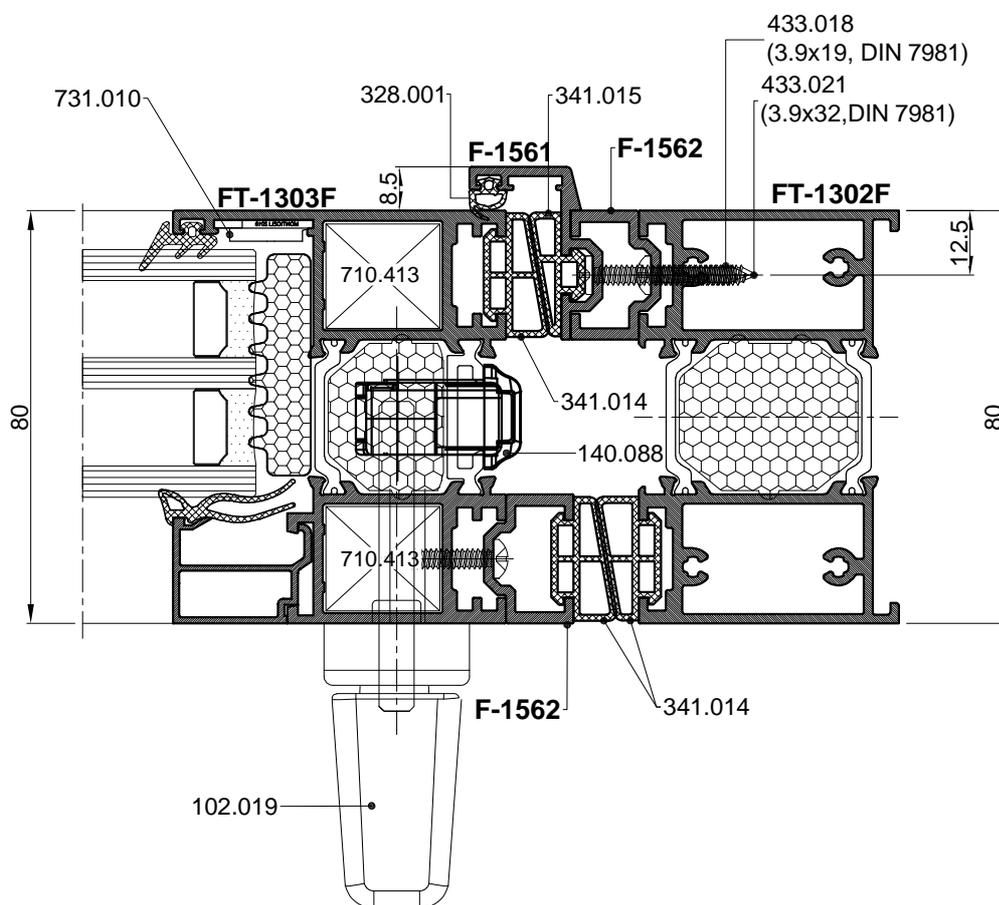


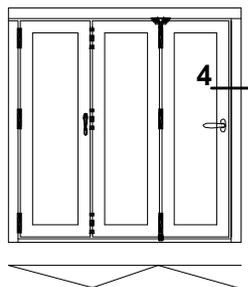
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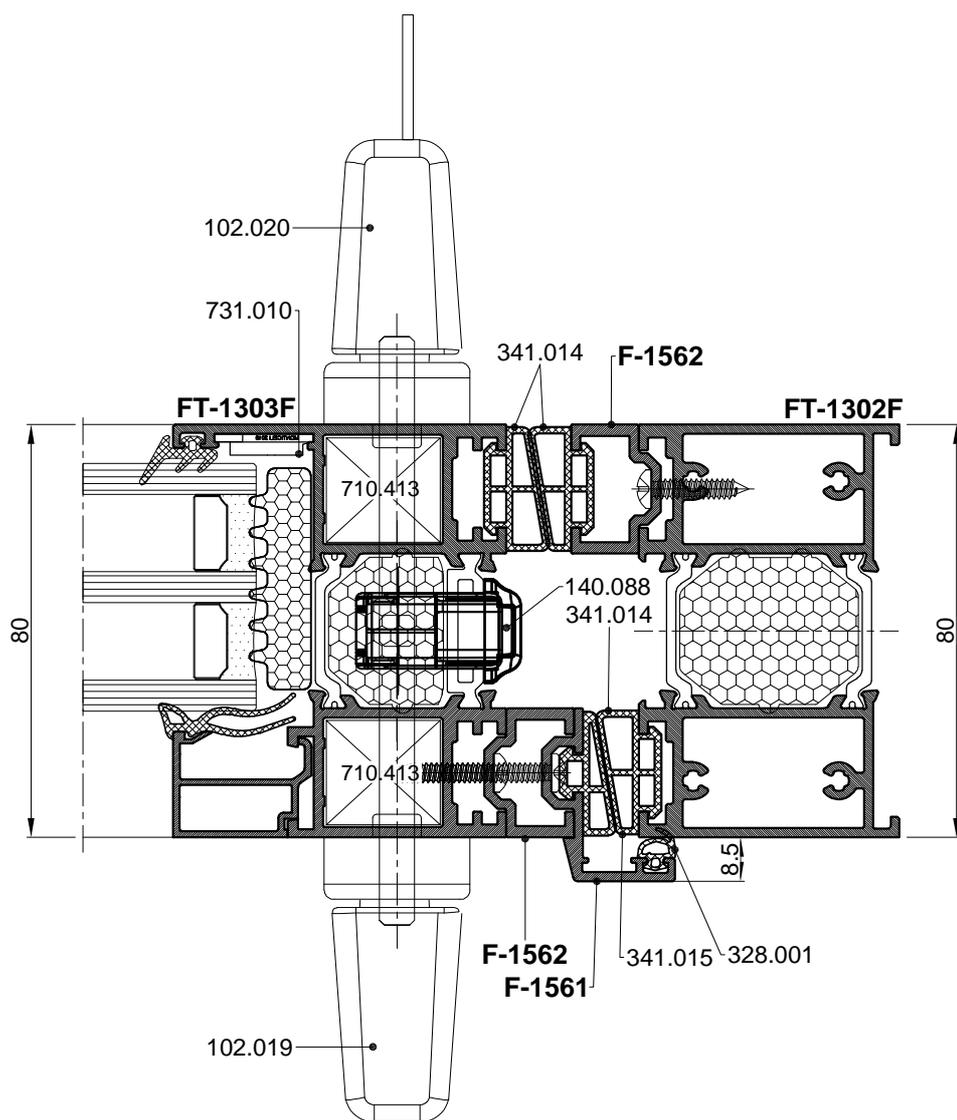


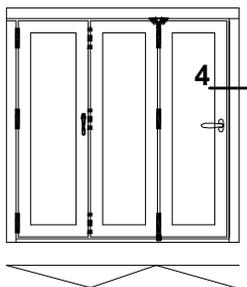
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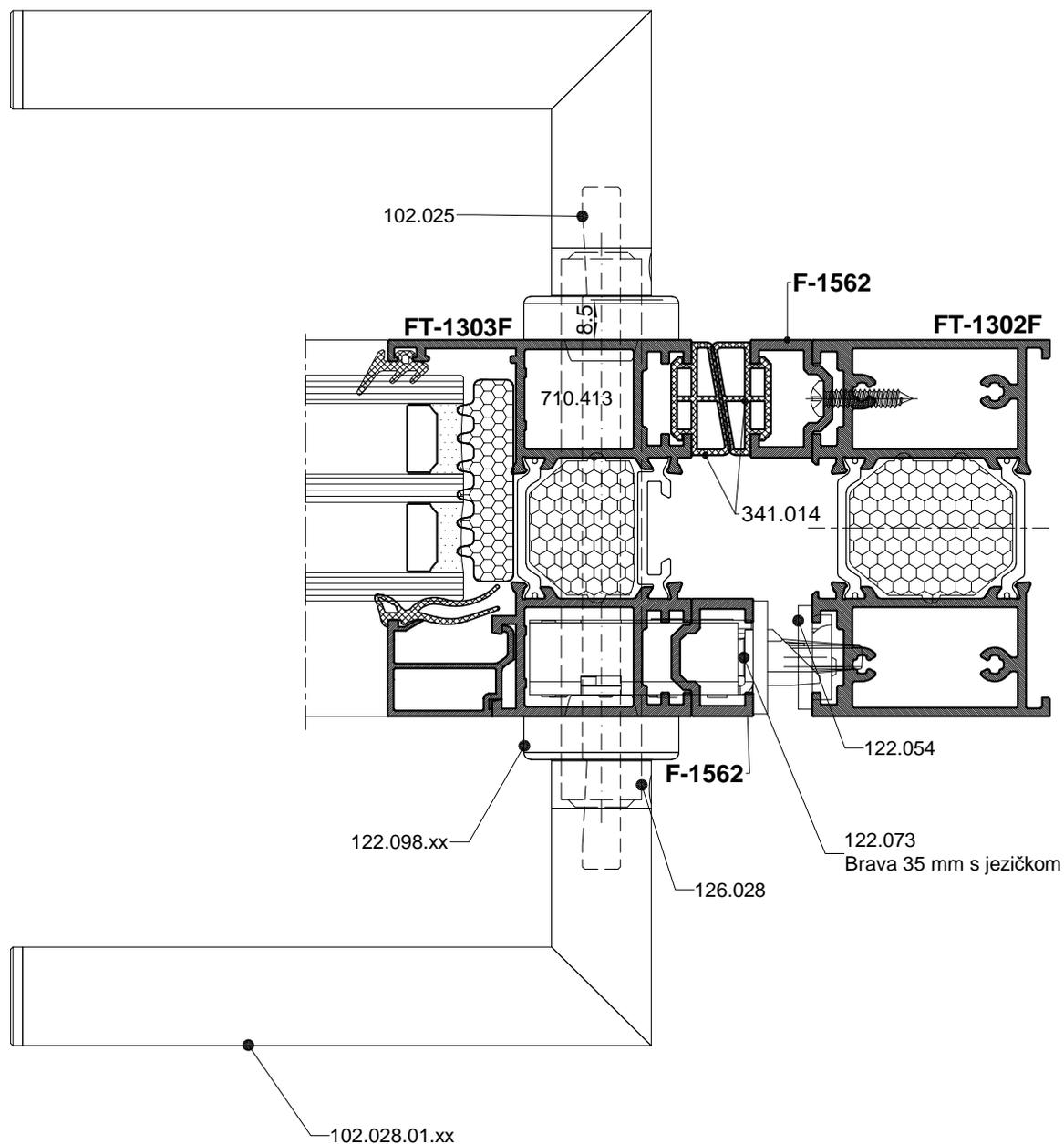


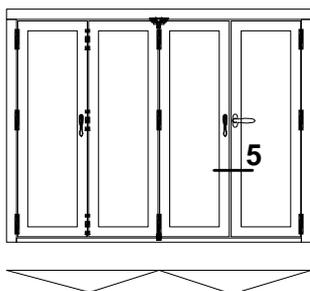
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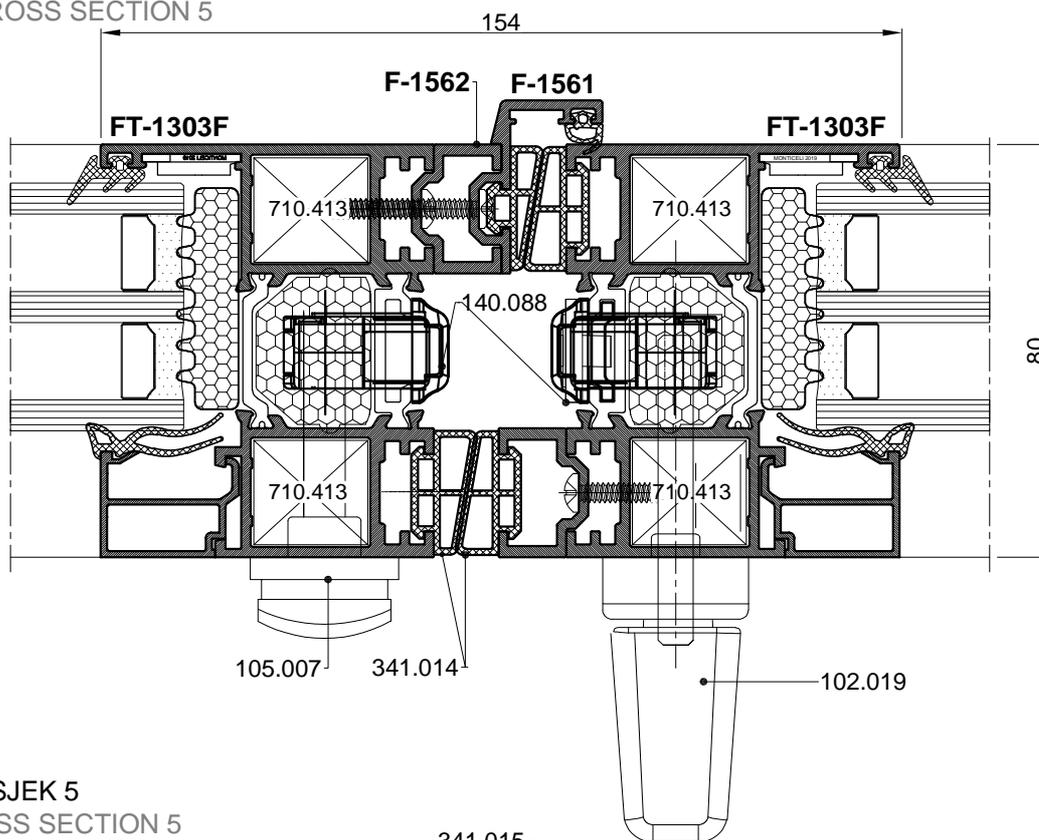
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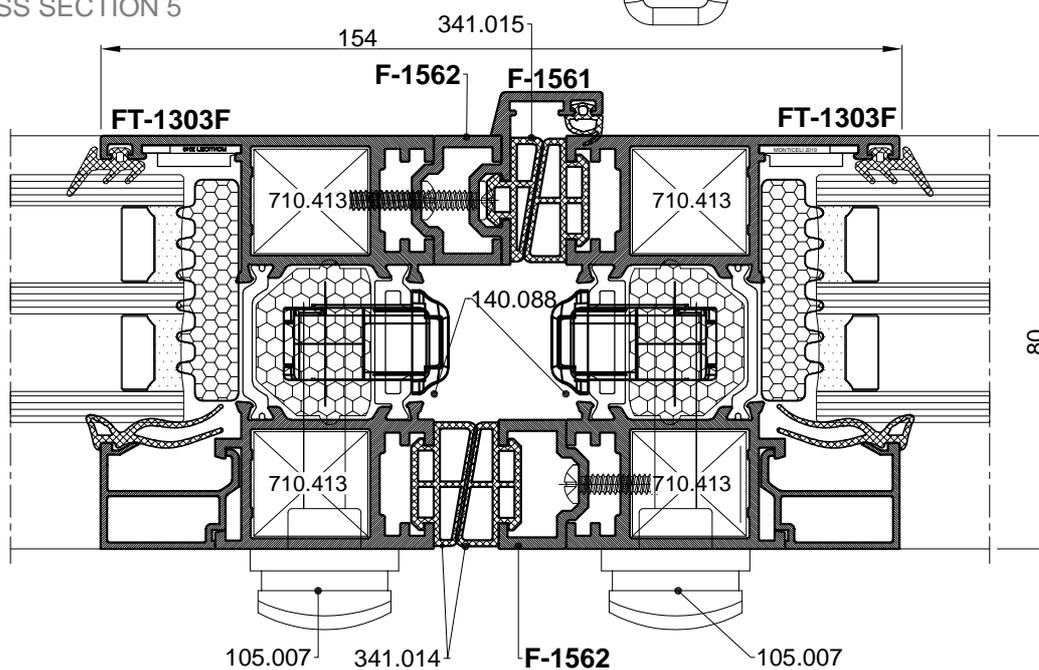


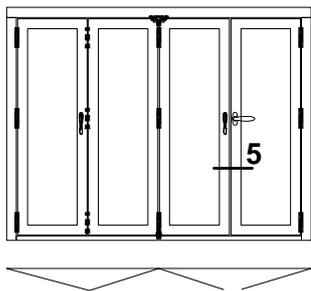
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PRESJEK 5
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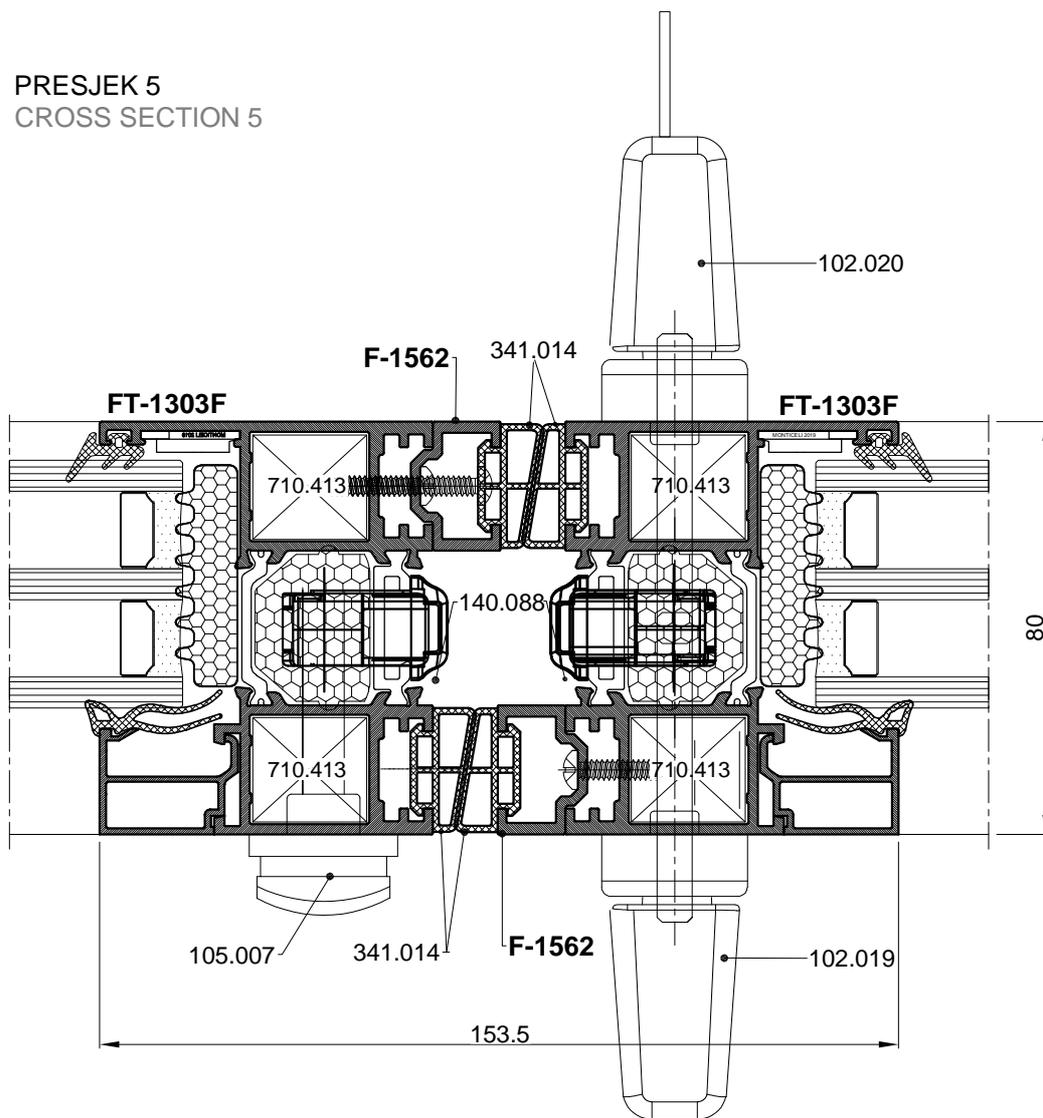


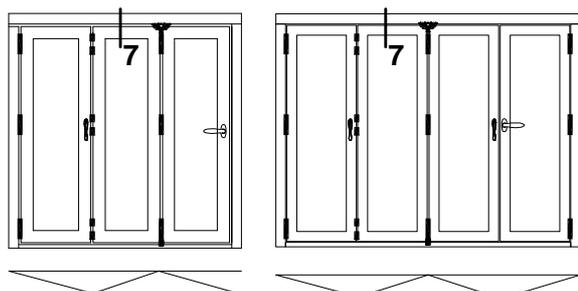
PRESJEK 5
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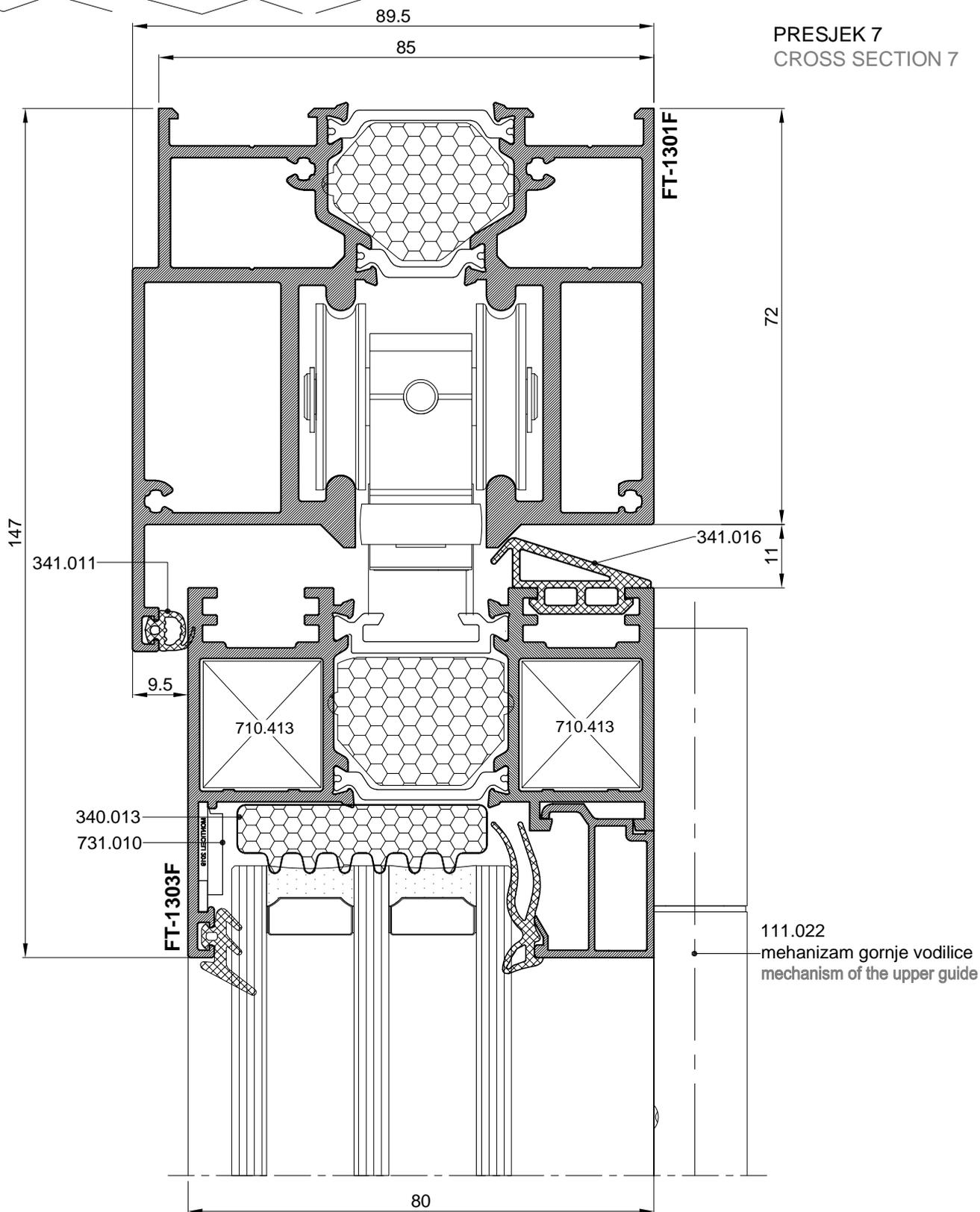


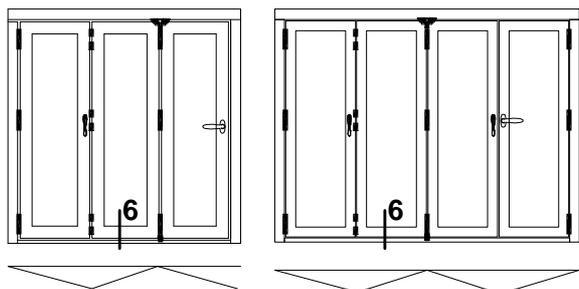
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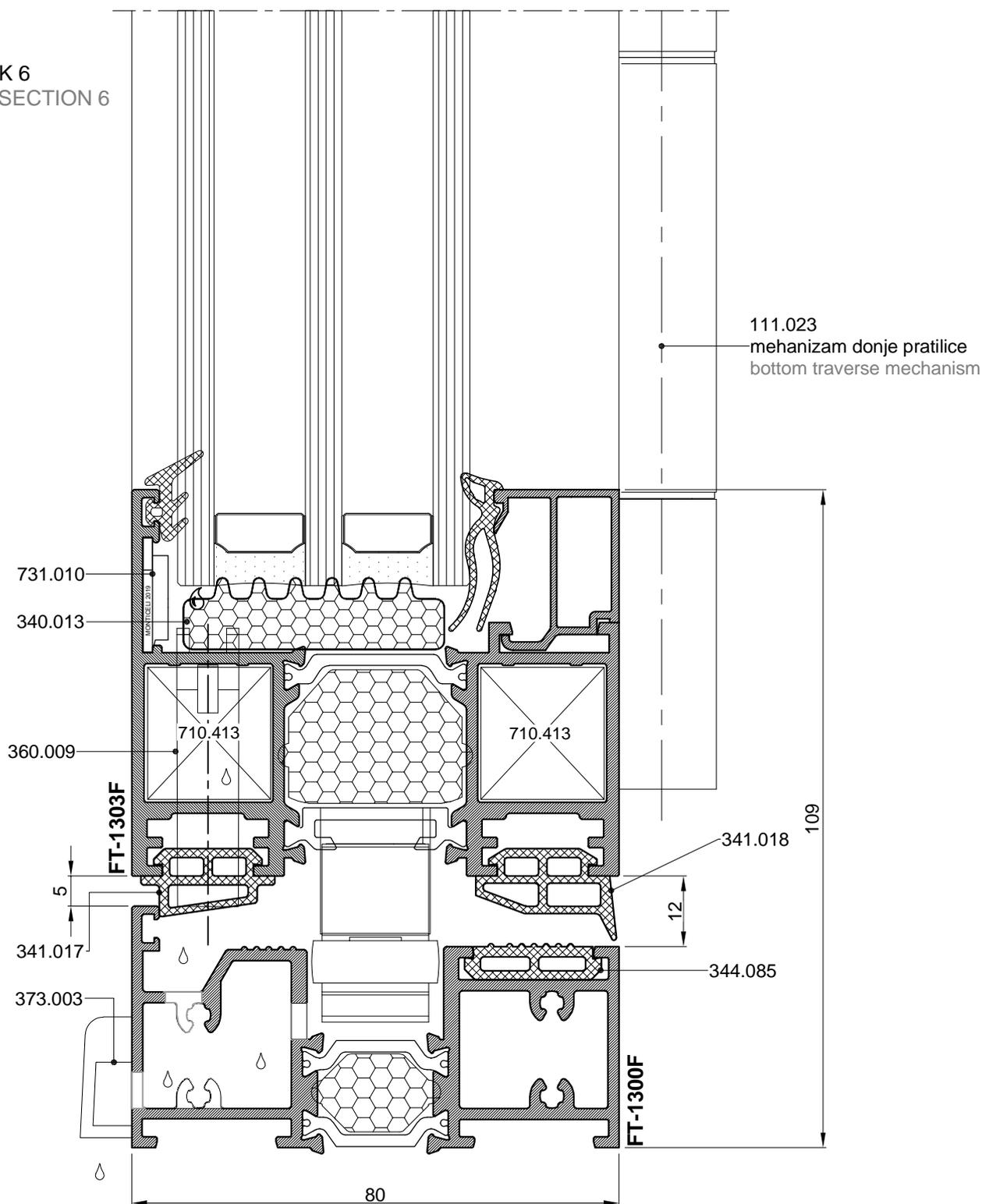
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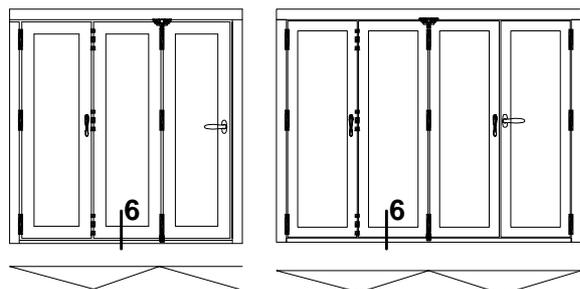




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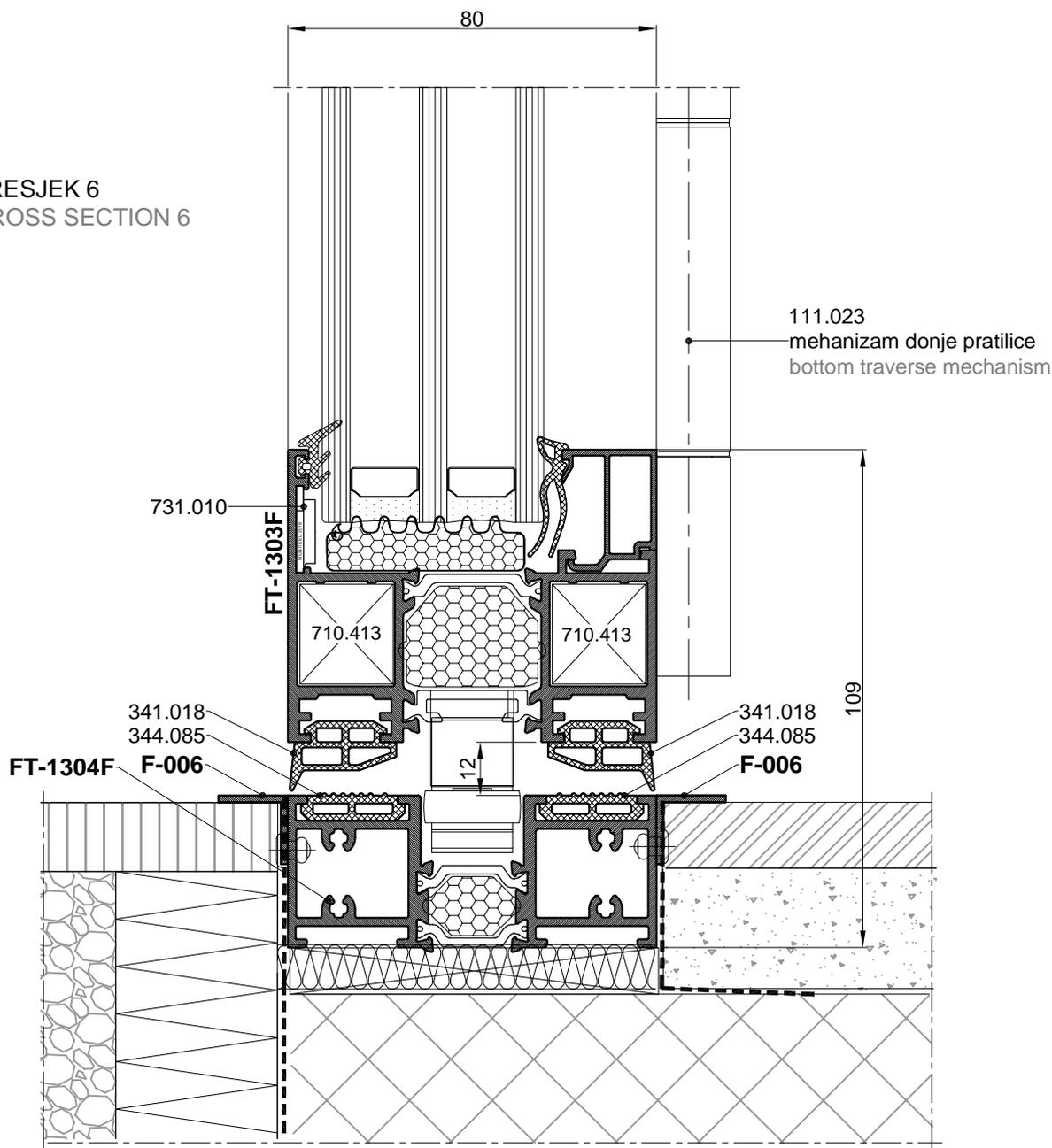
PRESJEK 6
CROSS SECTION 6





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PRESJEK 6
CROSS SECTION 6

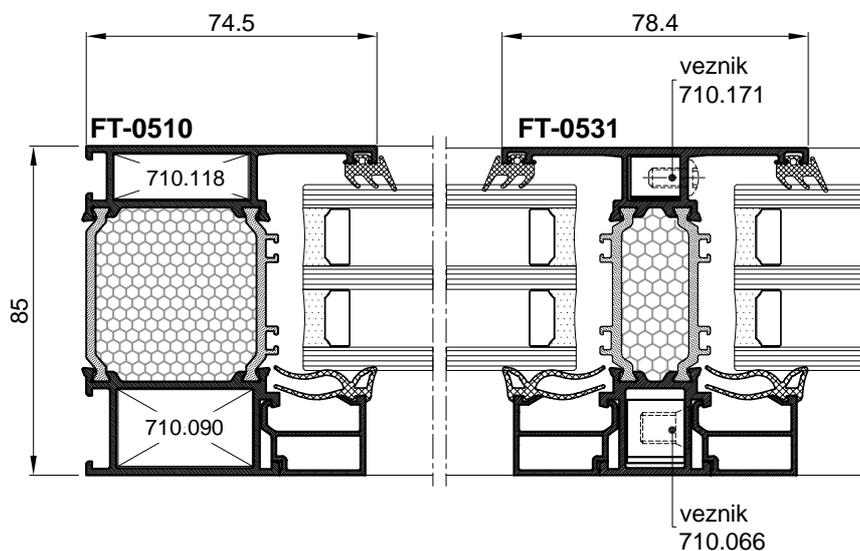
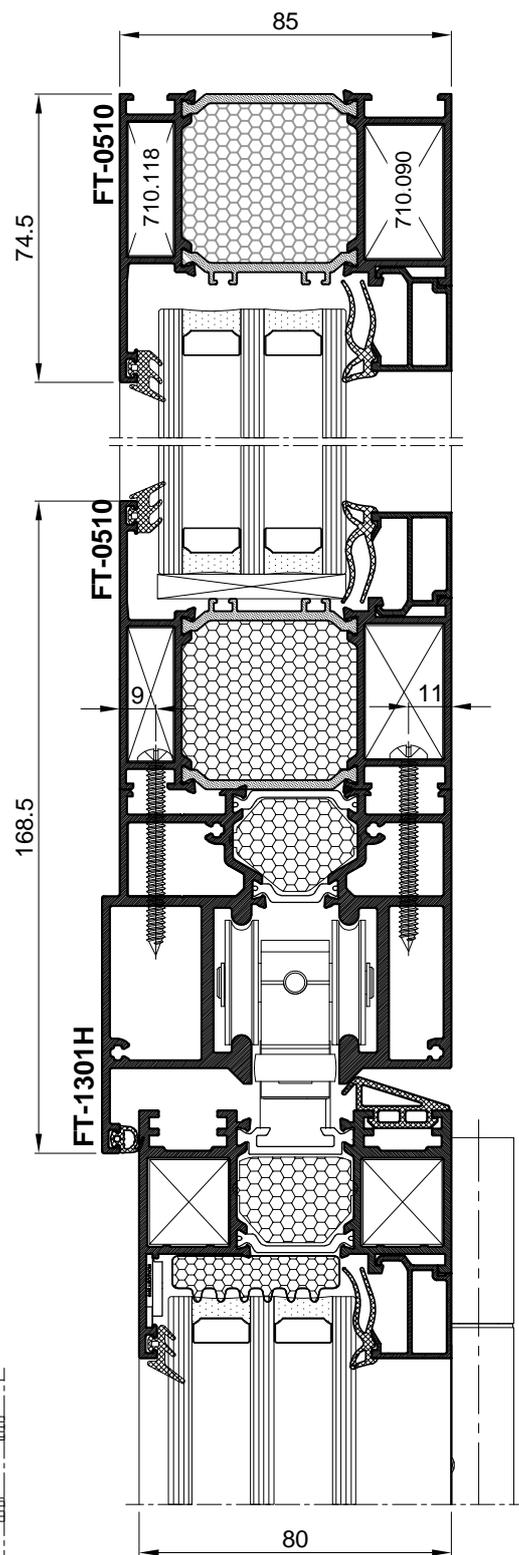
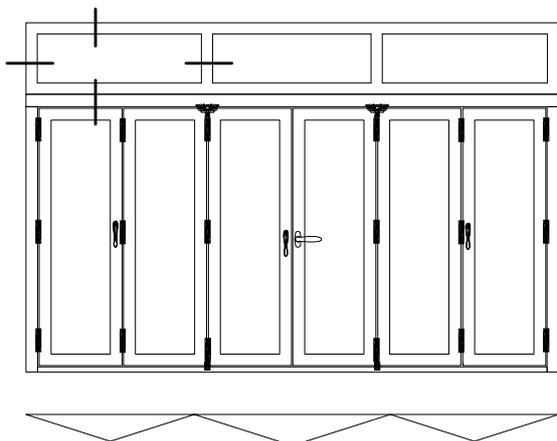


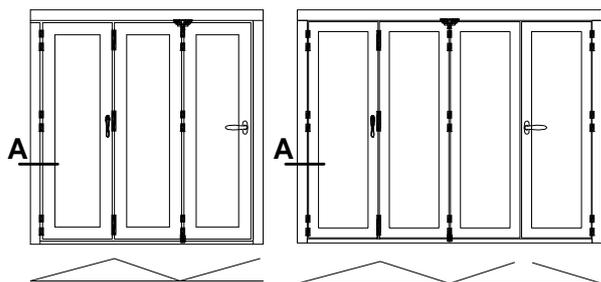
HARMO OTVARANJE

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Harmo vrata s fiksnim dijelom u nadsvijetlu

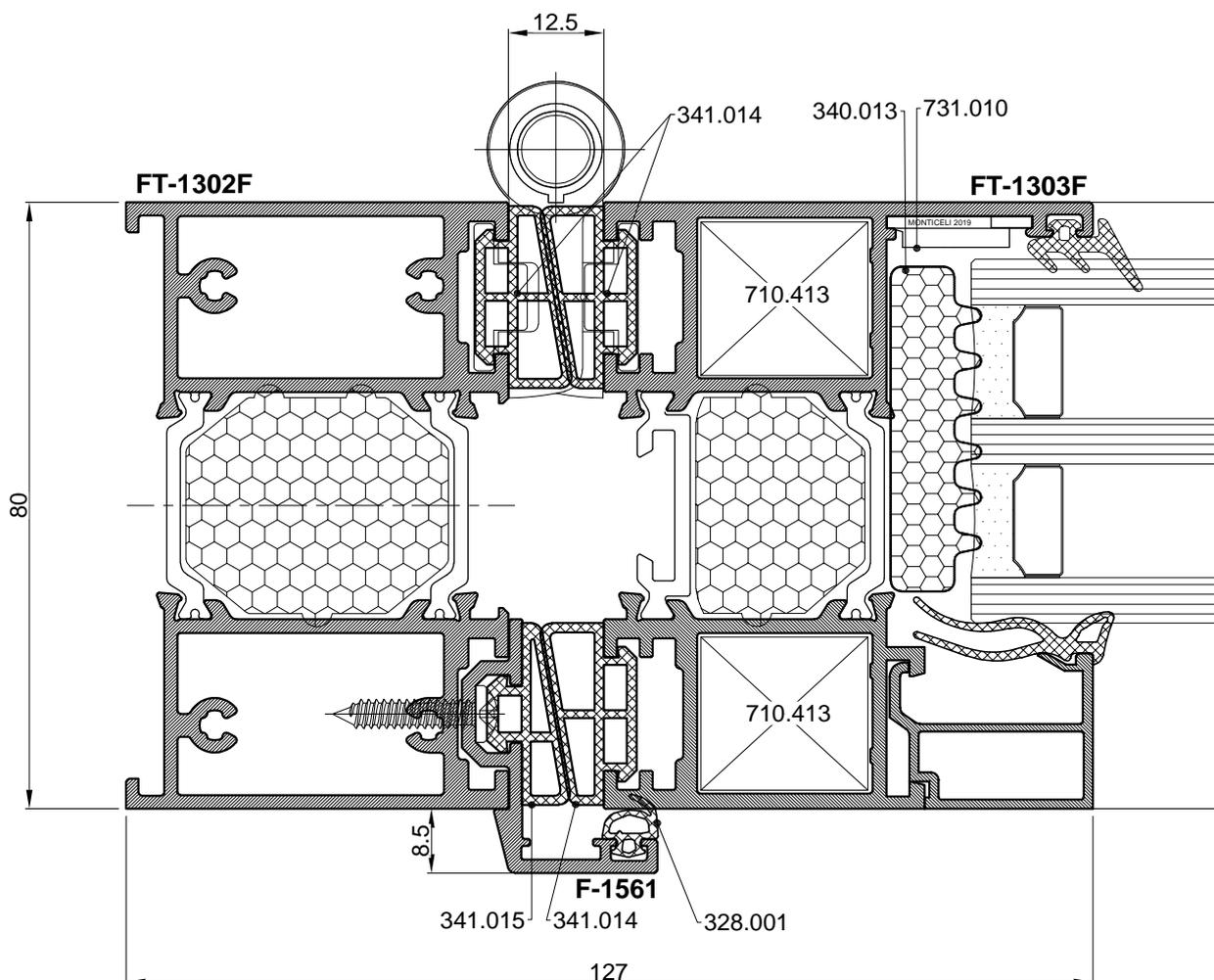
Folding door with fixed part in the foreground

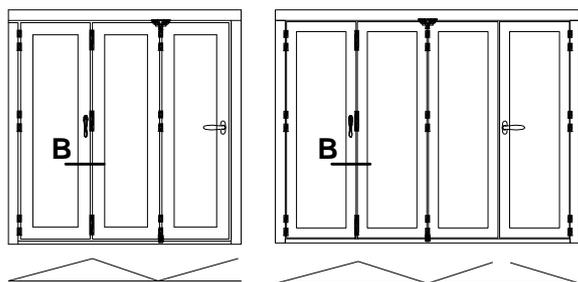




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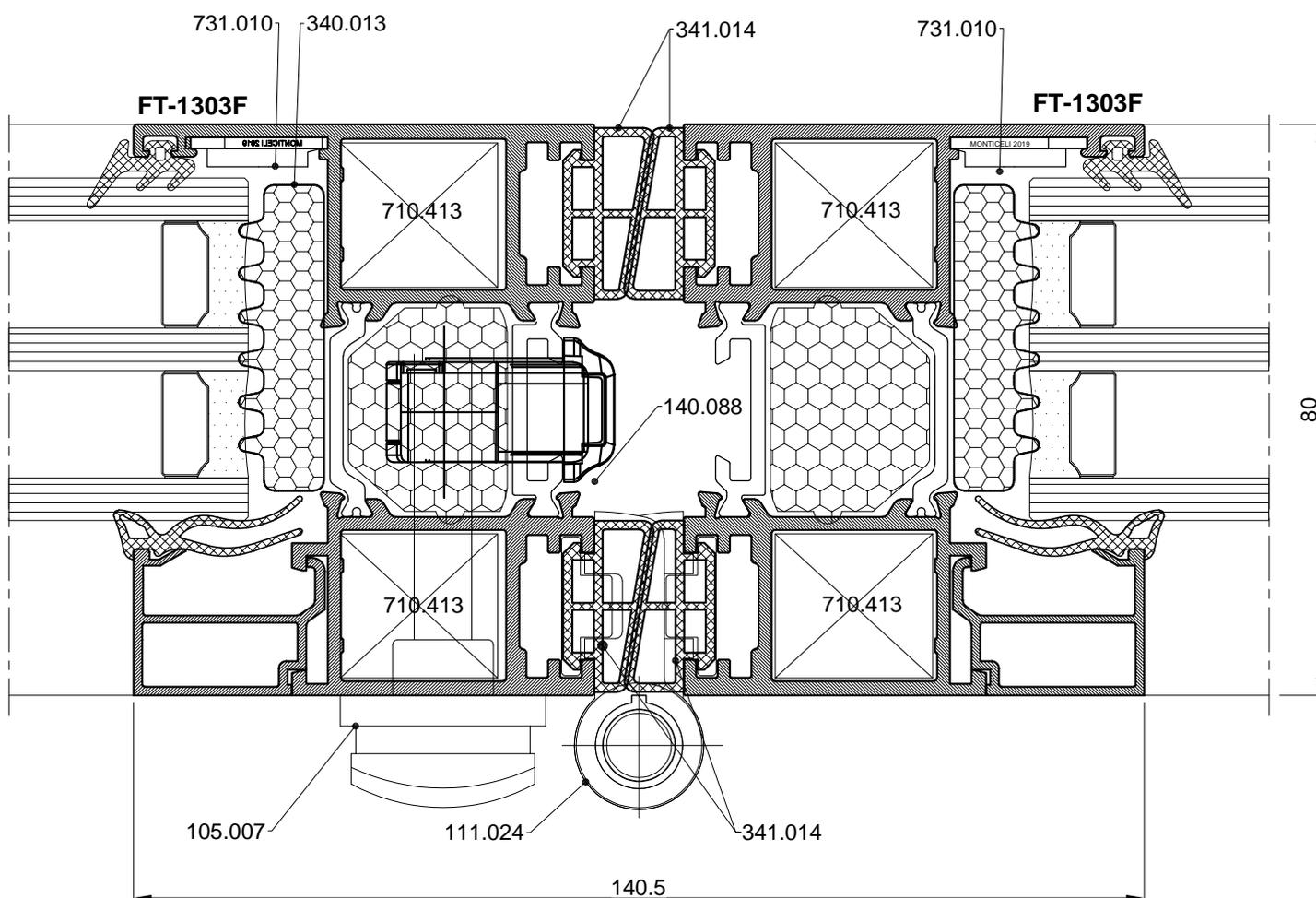
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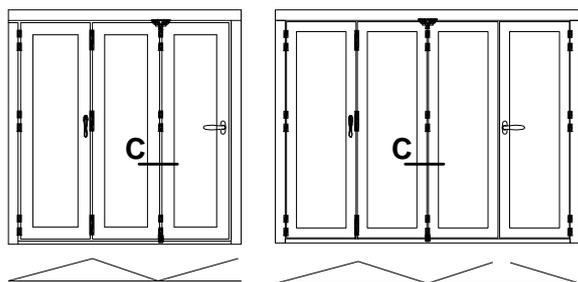




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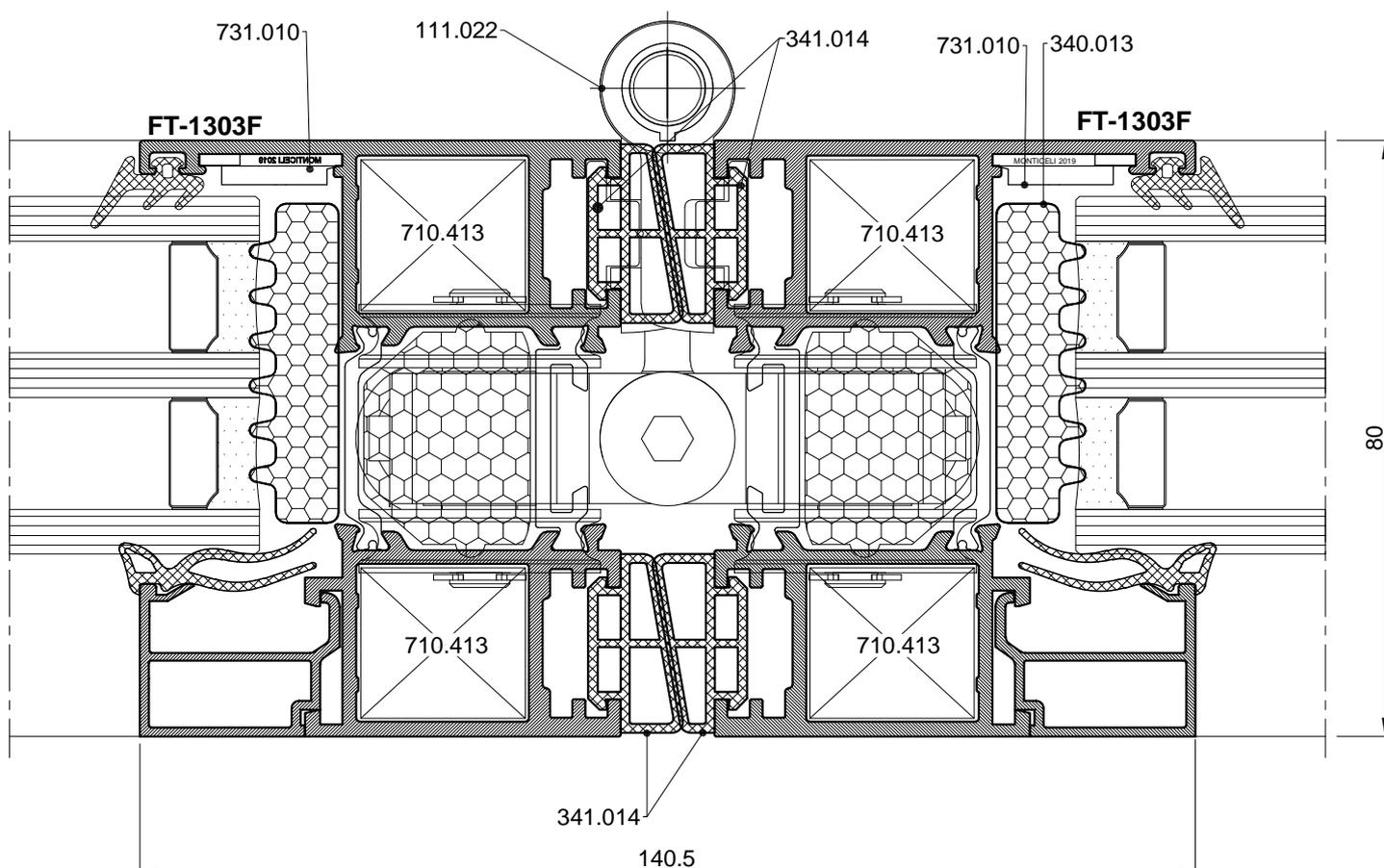
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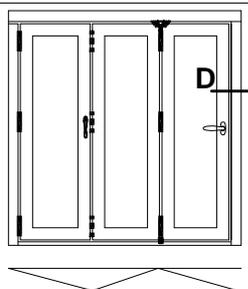




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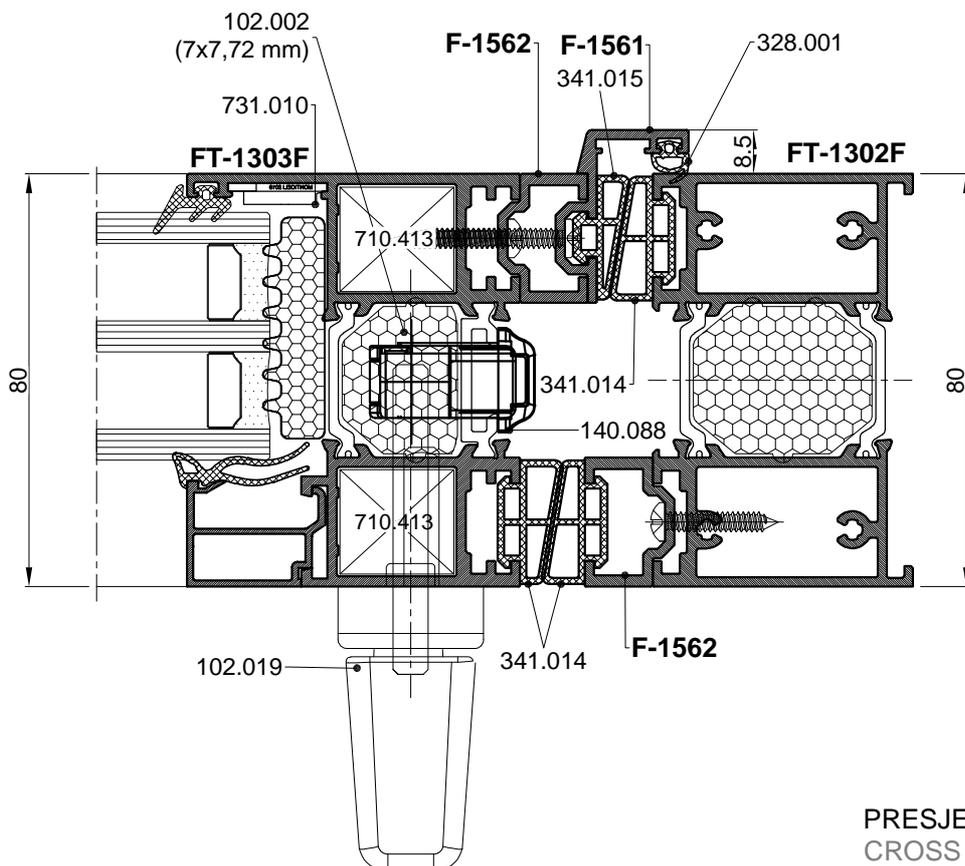
PRESJEK C
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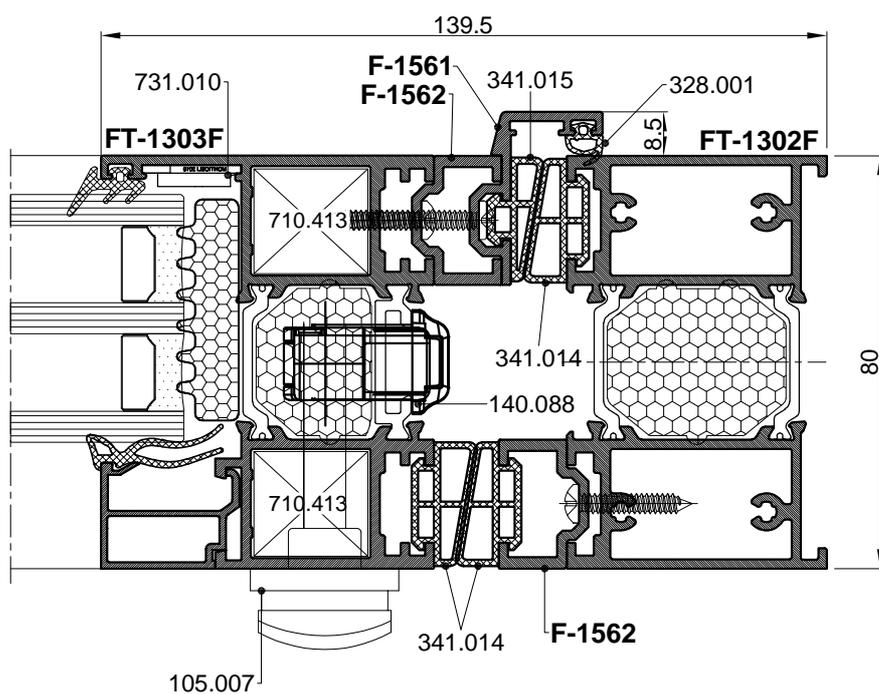


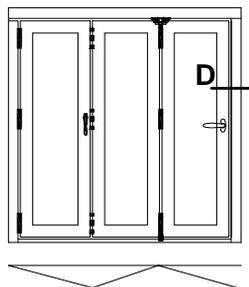
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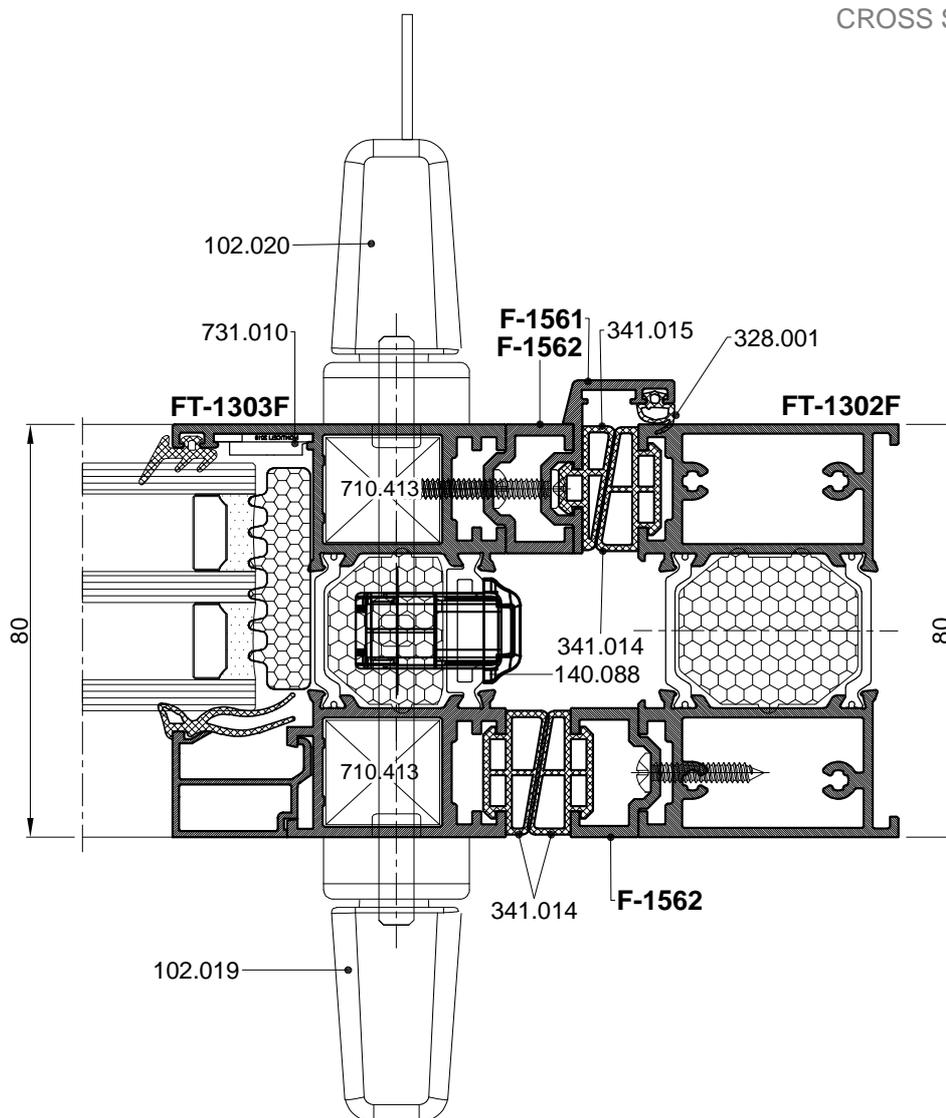


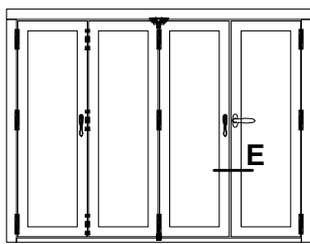
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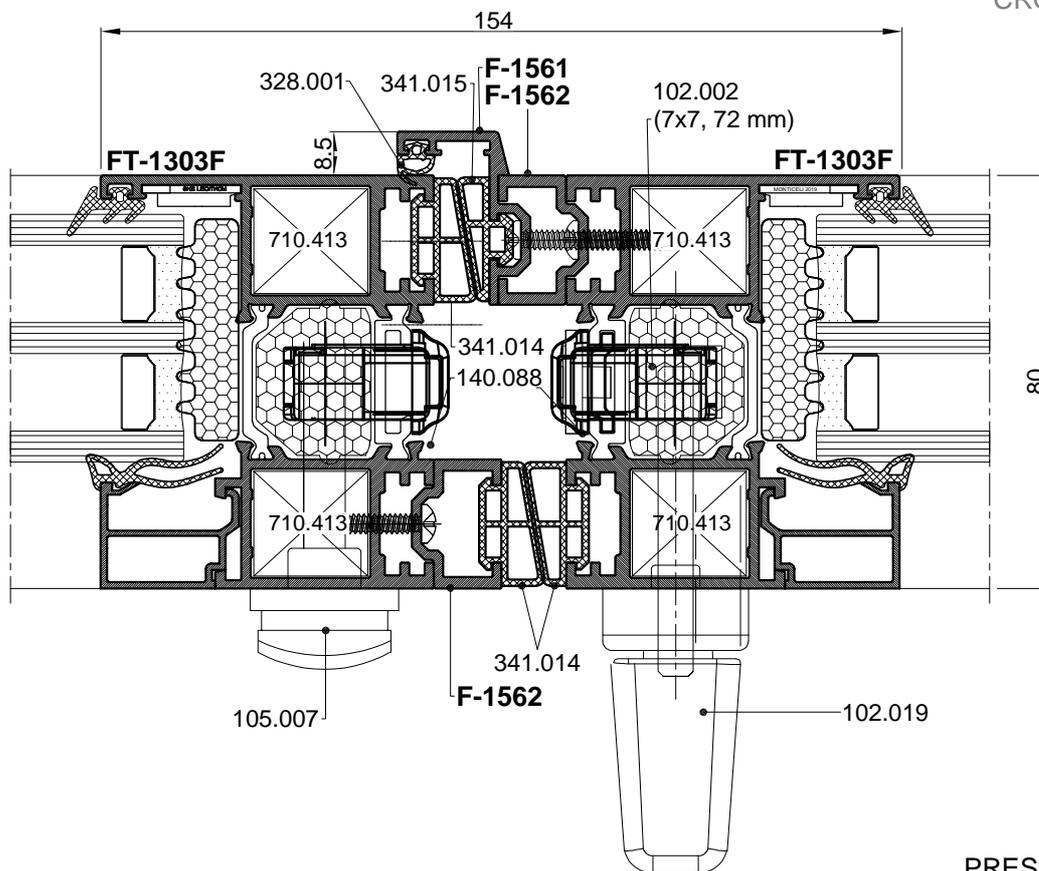
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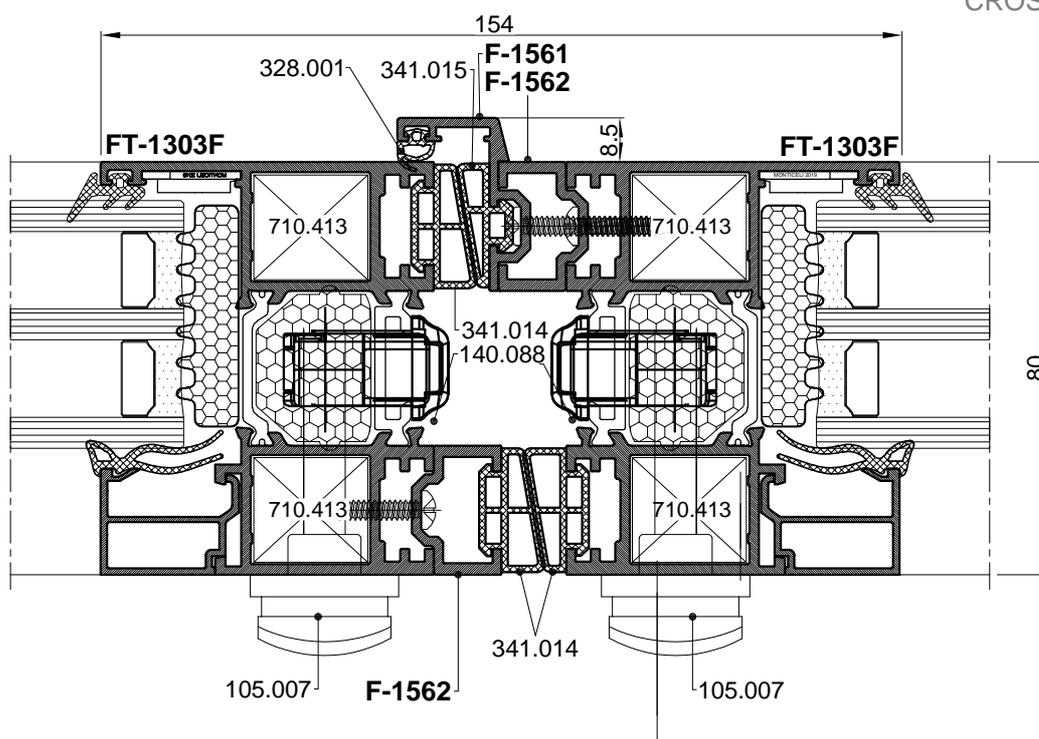


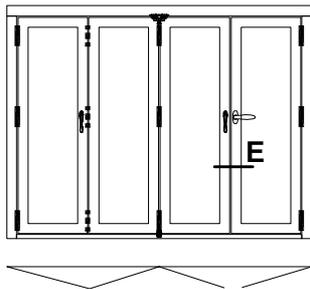
HARMO VANI
FOLDING OPENING

PRESJEK E
CROSS SECTION E

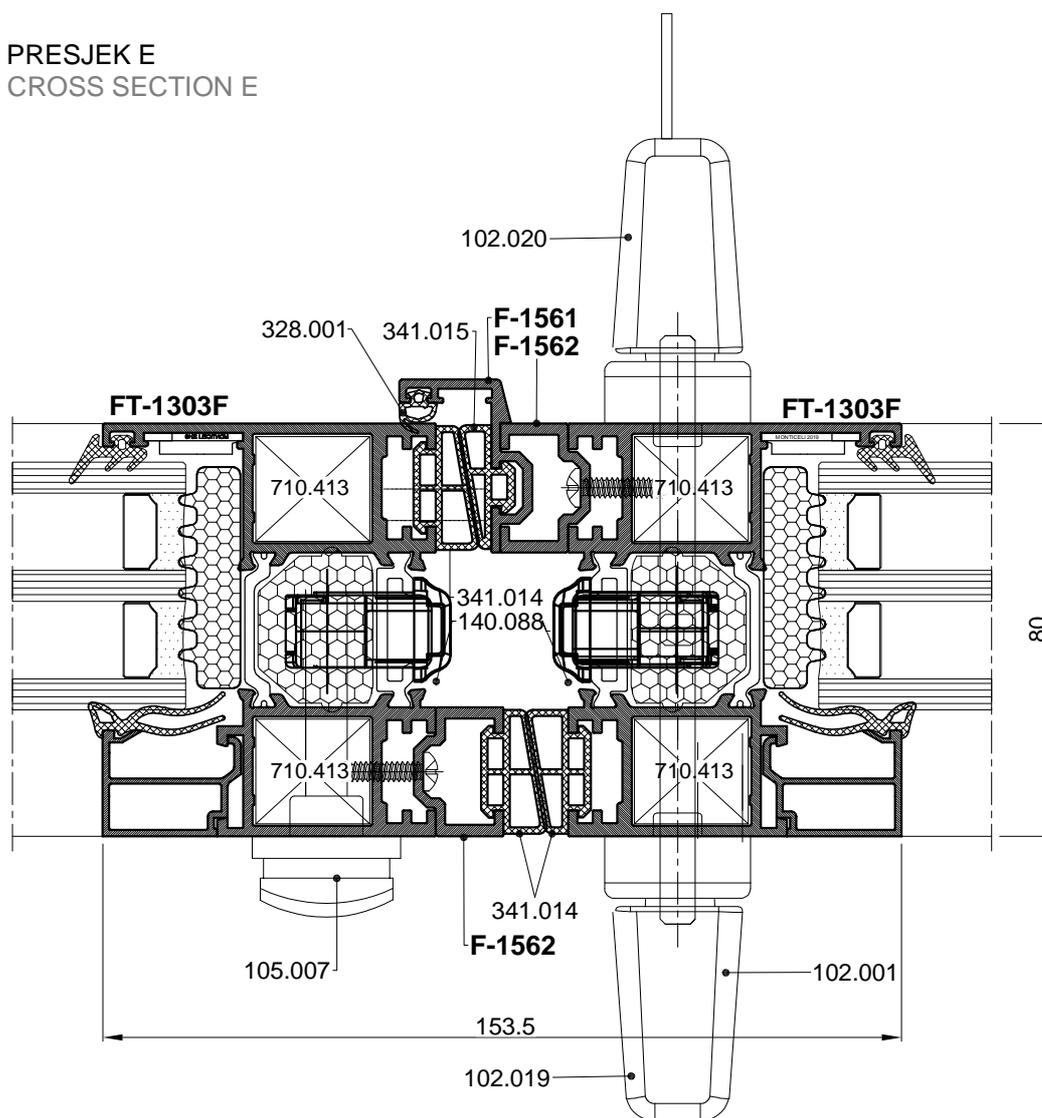


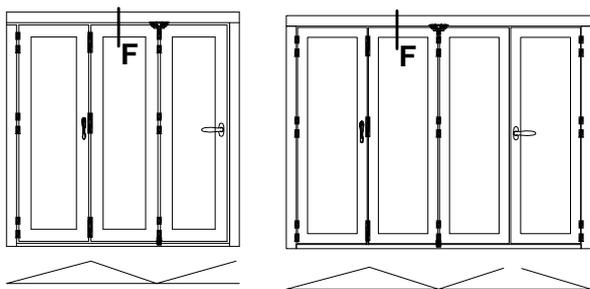
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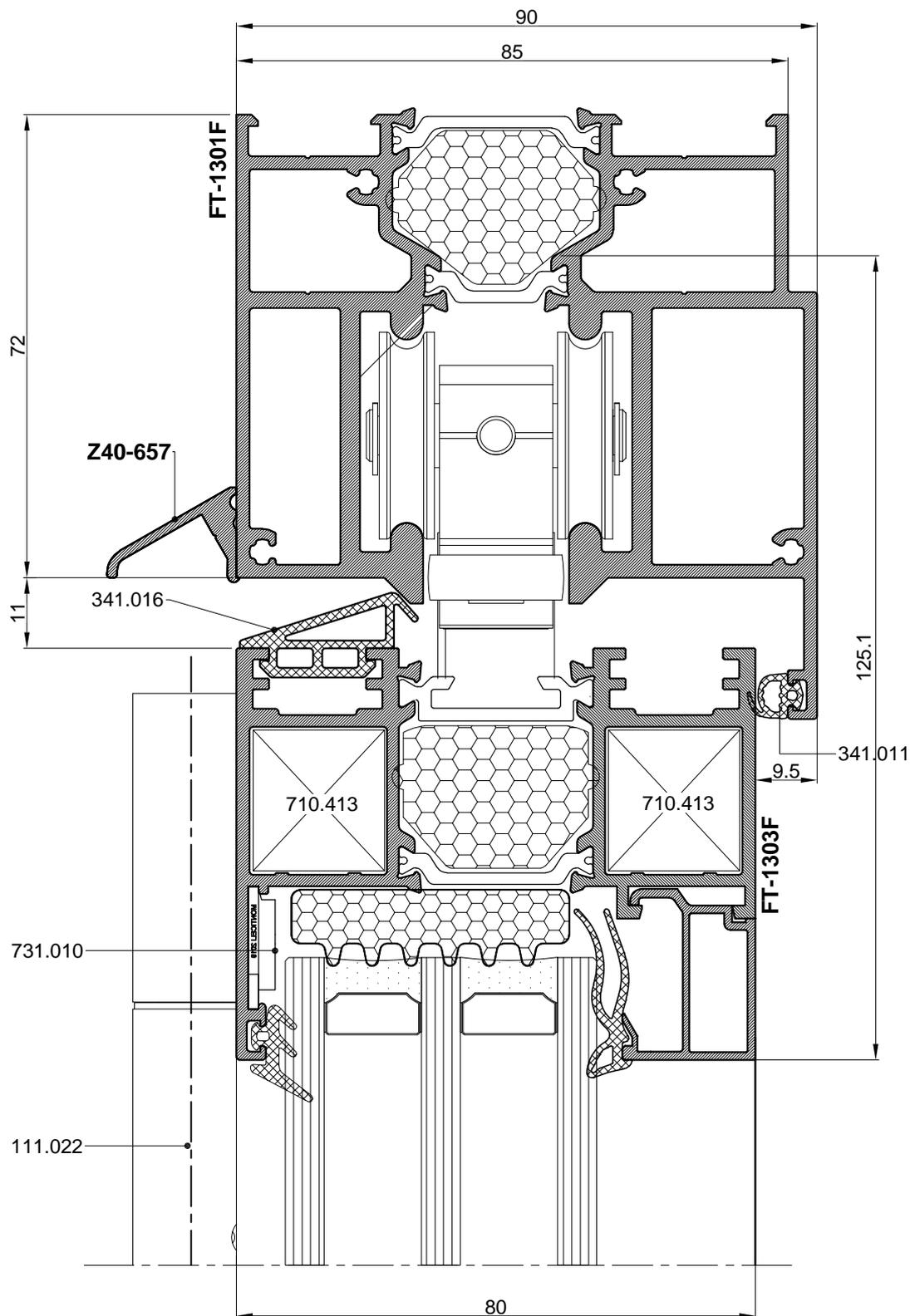
PRESJEK E
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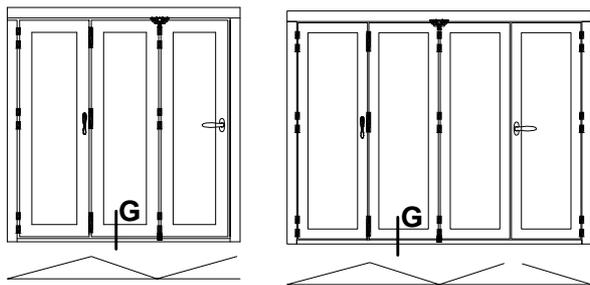




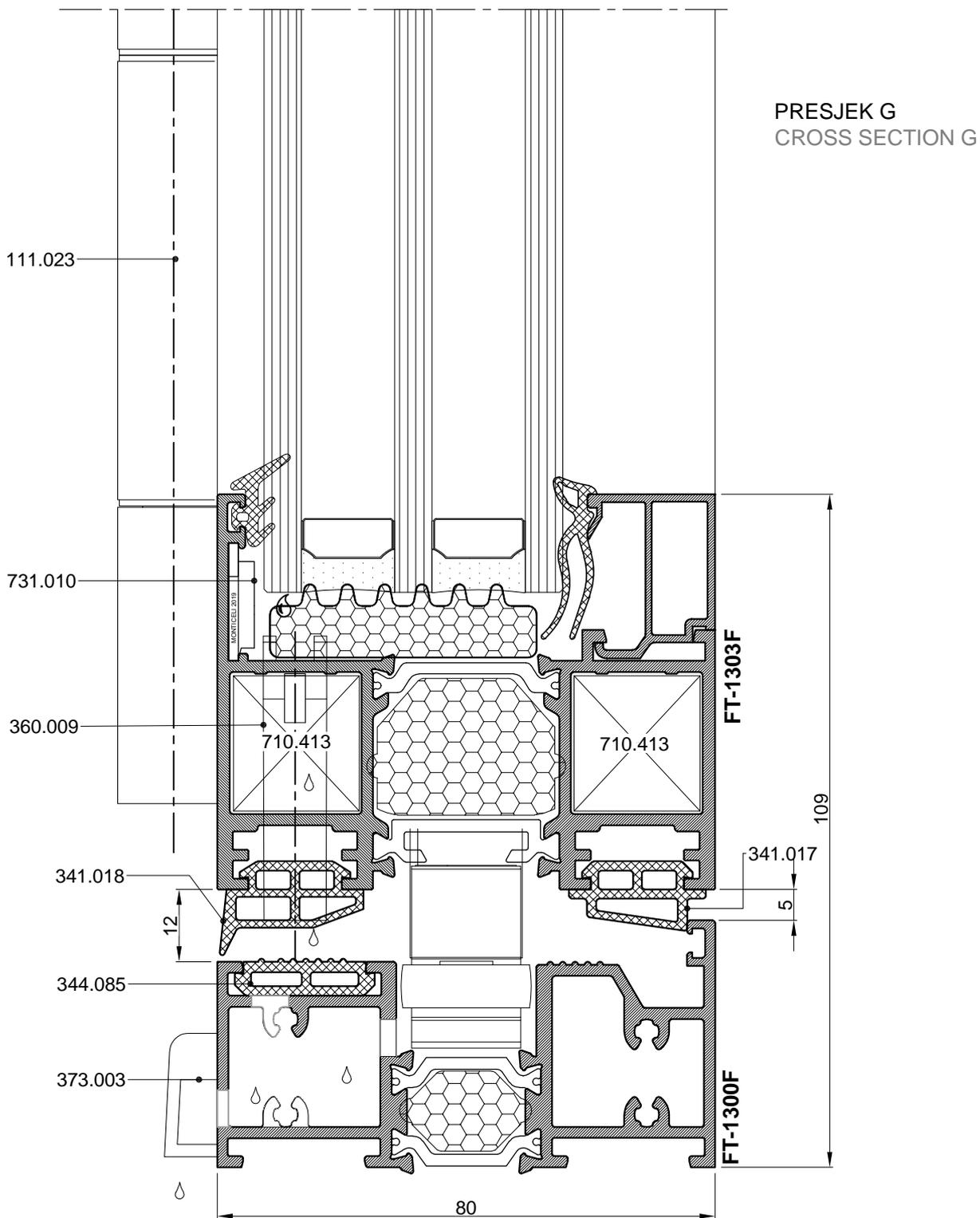
HARMO OTVARANJE
FOLDING OPENING

PRESJEK F
CROSS SECTION F

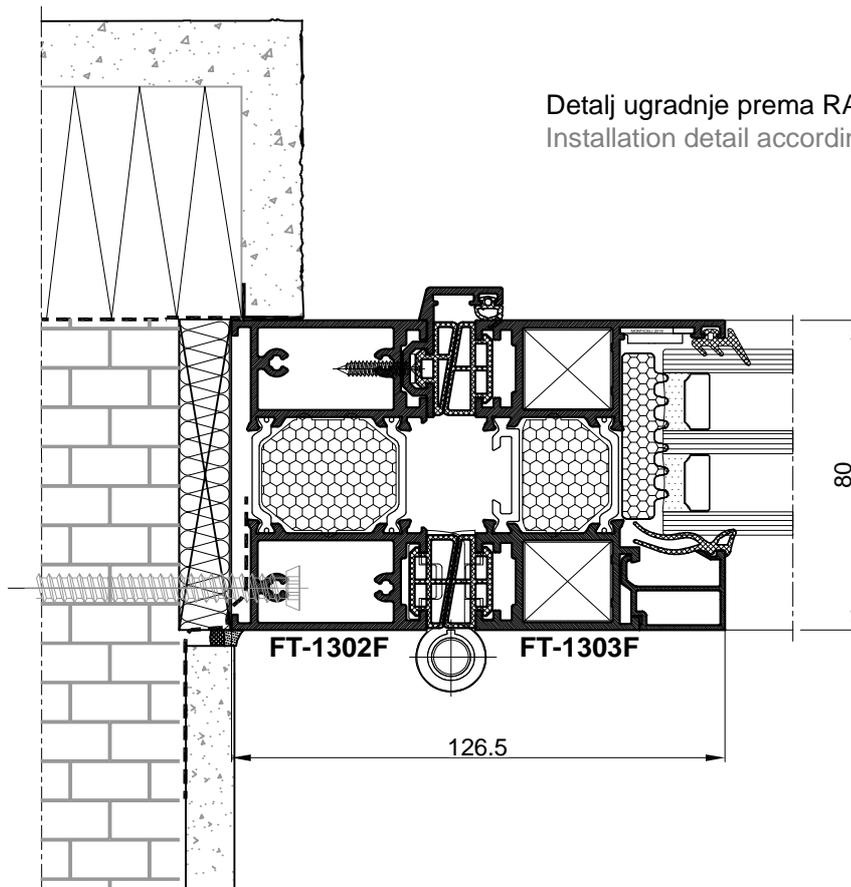




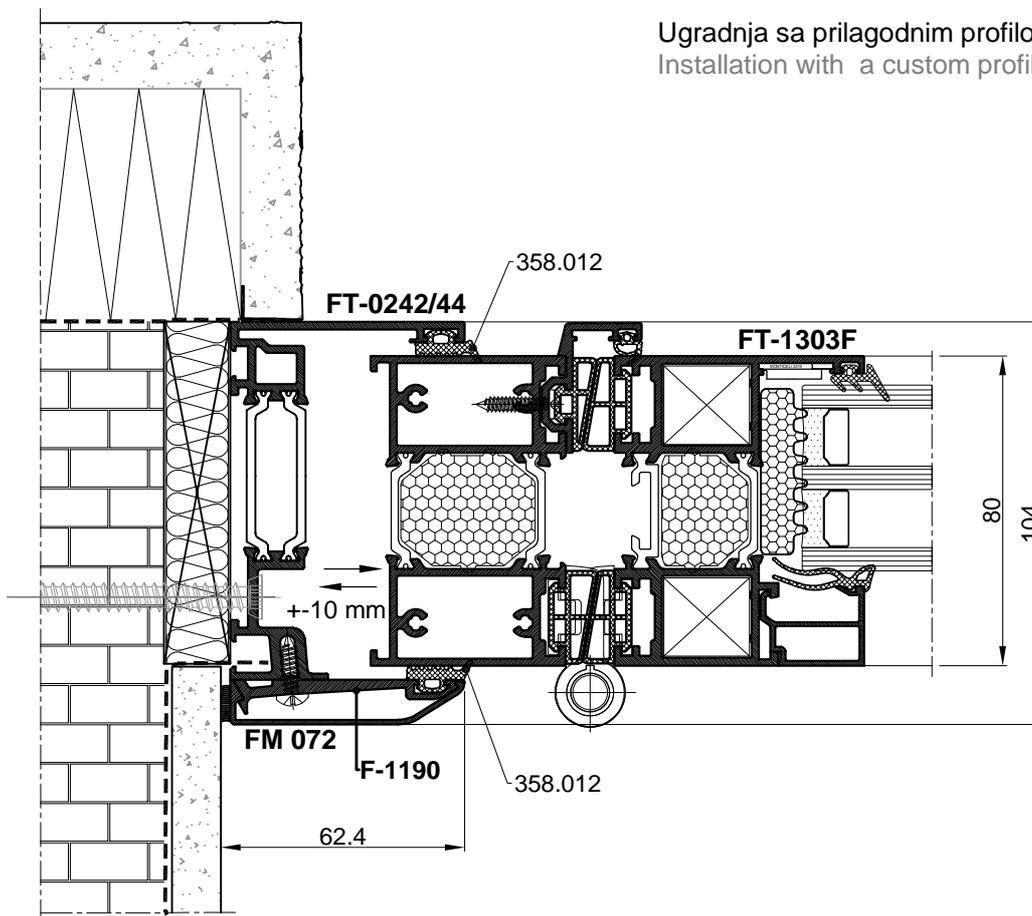
HARMO OTVARANJE
FOLDING OPENING

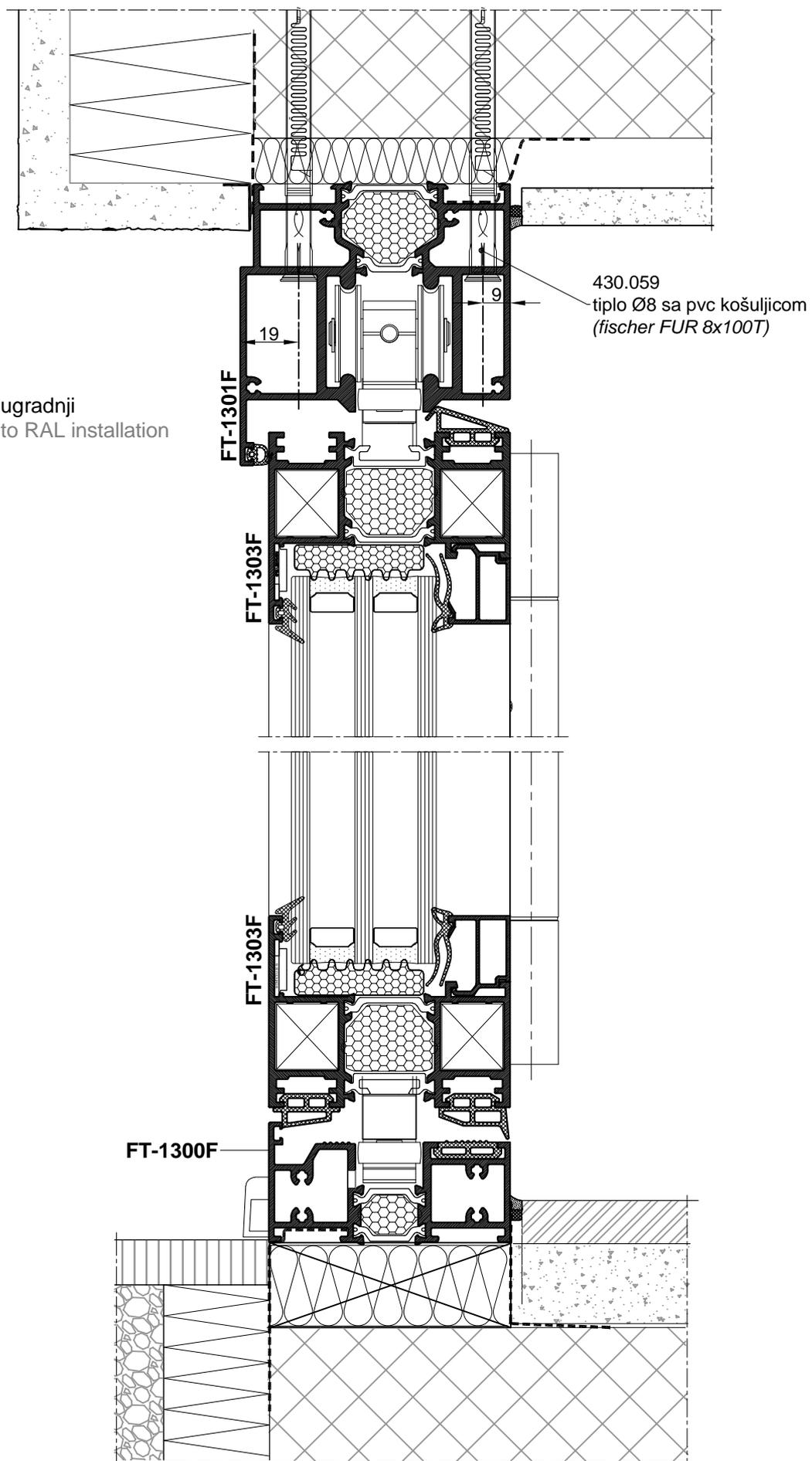


Detalj ugradnje prema RAL ugradnji
Installation detail according to RAL installation



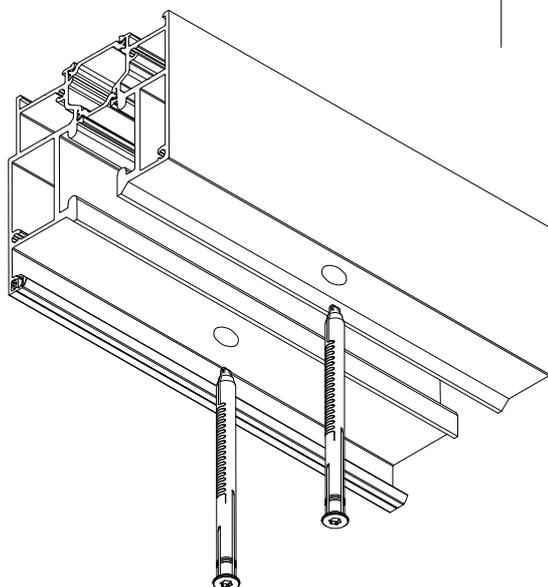
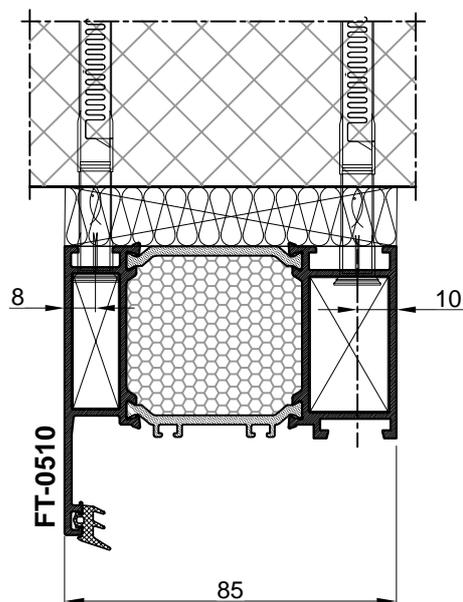
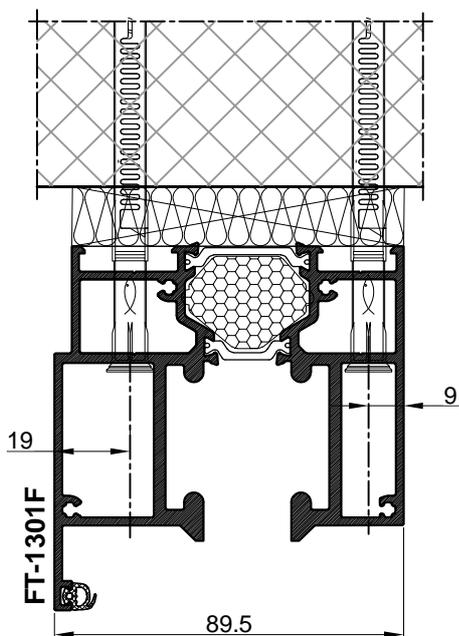
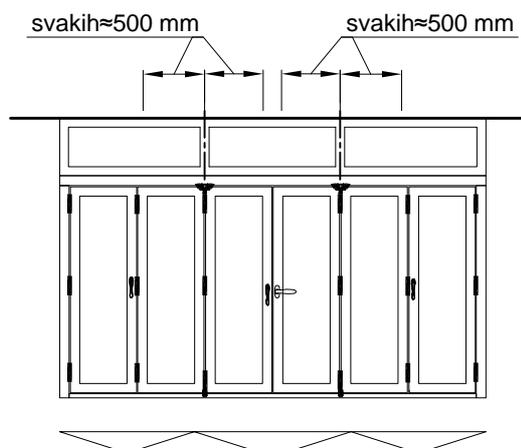
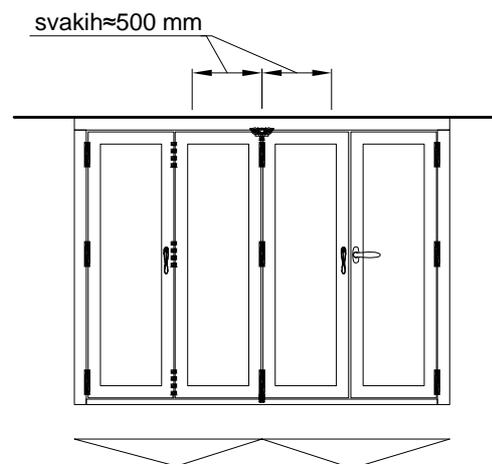
Ugradnja sa prilagodnim profilom
Installation with a custom profile

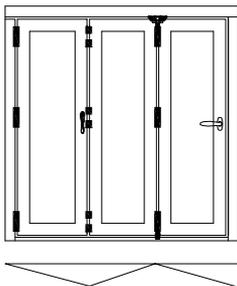




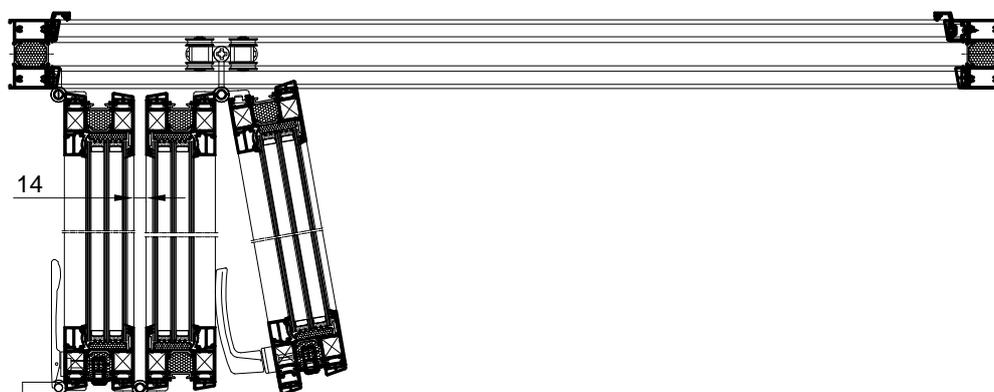
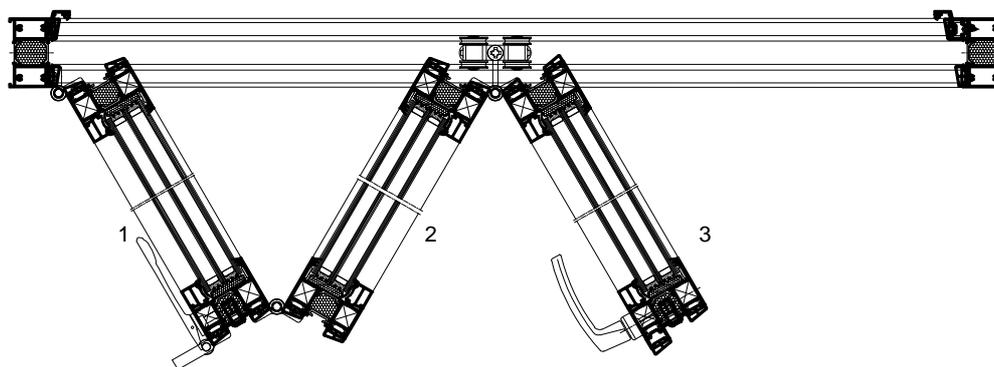
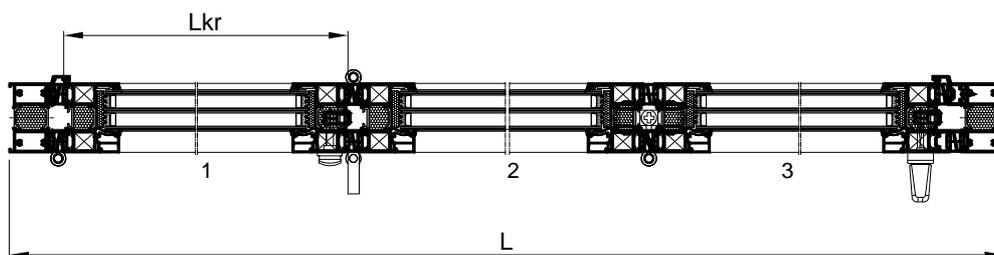
Detalj ugradnje prema RAL ugradnji
Installation detail according to RAL installation

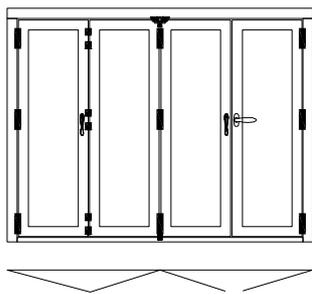
DETALJ FIKSIRANJA GORNJE VODILICE RAMA FT-1301 NA GRAĐEVINSKI ZID
DETALJ FIKSIRANJA GORNJE VODILICE RAMA FT-1301 NA GRAĐEVINSKI ZID



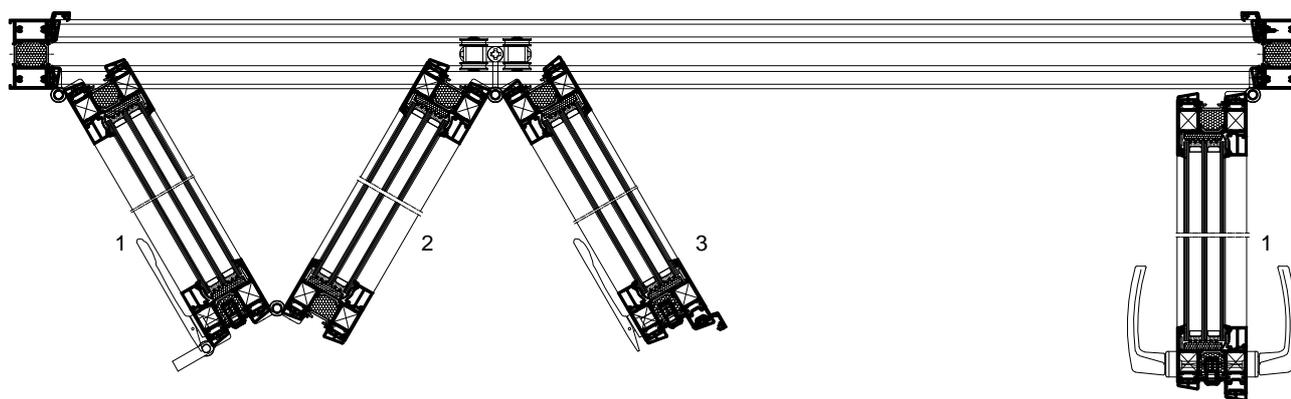
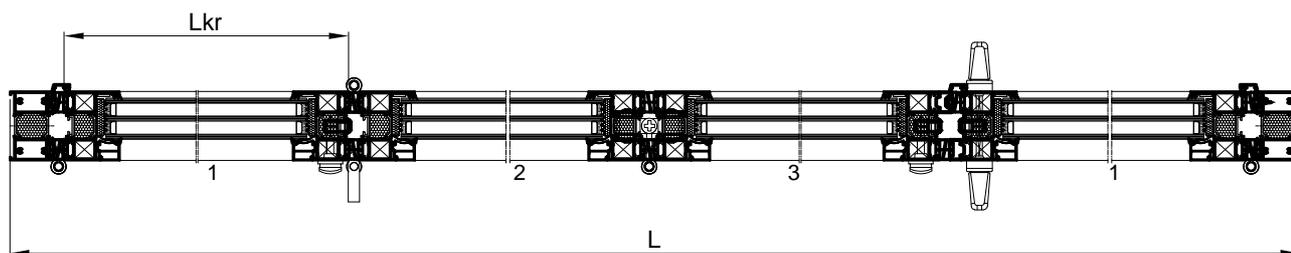


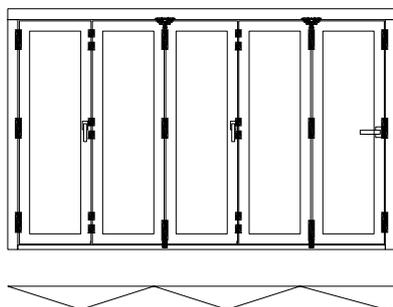
- KRILA JEDNAKE ŠIRINE 3+0
- Lkr=L/3 - 54
- SASH OF EQUAL WIDTH 3+0
- Lkr=L/3 - 54



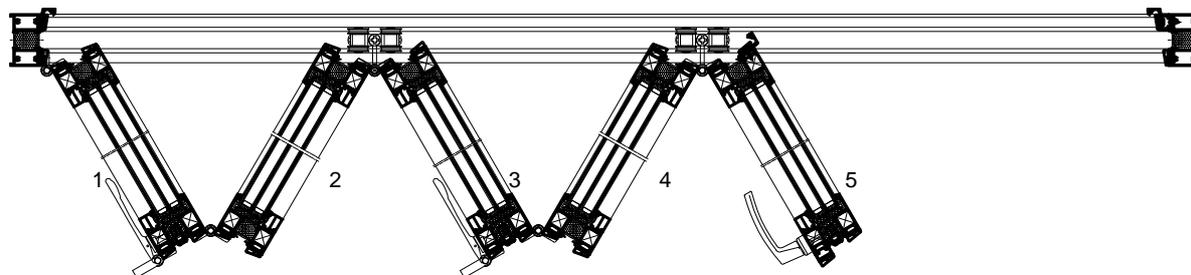
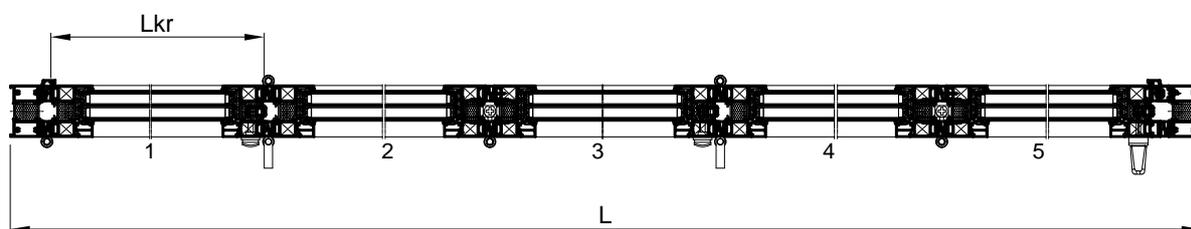


- KRILA JEDNAKE ŠIRINE 3+1
- Lkr=L/4 - 44
- SASH OF EQUAL WIDTH 3+1
- Lkr=L/4 - 56

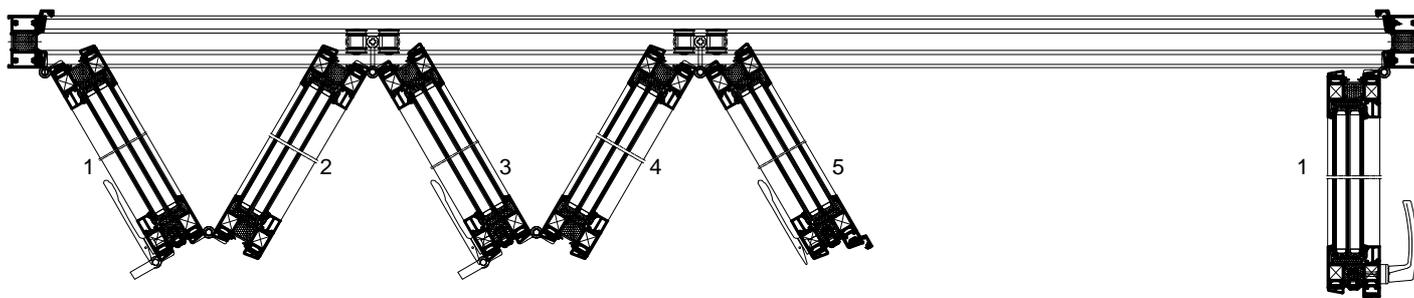
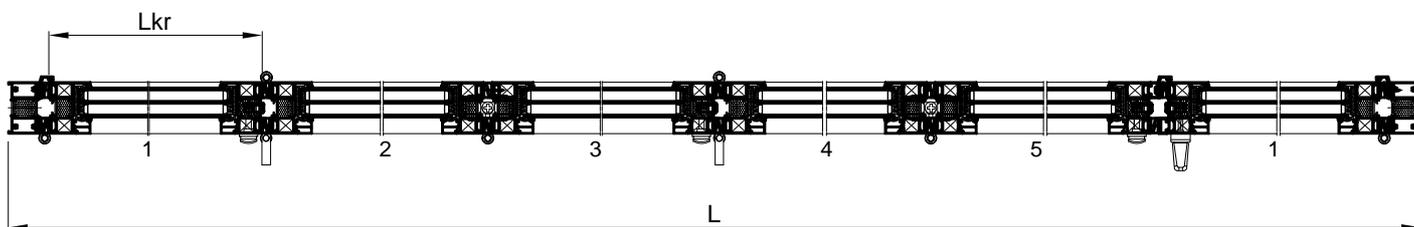
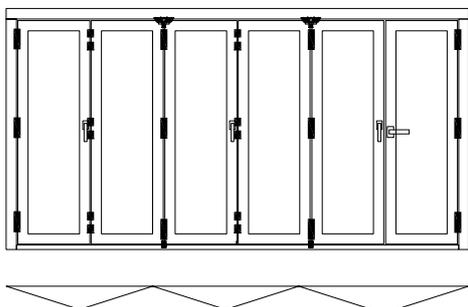


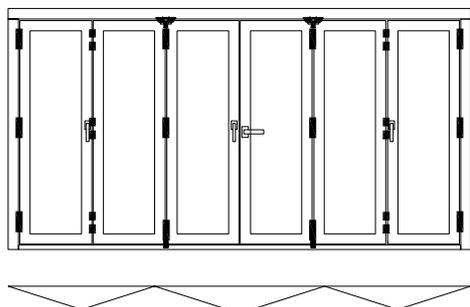


- KRILA JEDNAKE ŠIRINE 5+0
- Lkr= $L/5 - 37.5$
- SASH OF EQUAL WIDTH 5+0
- Lkr= $L/5 - 37.5$

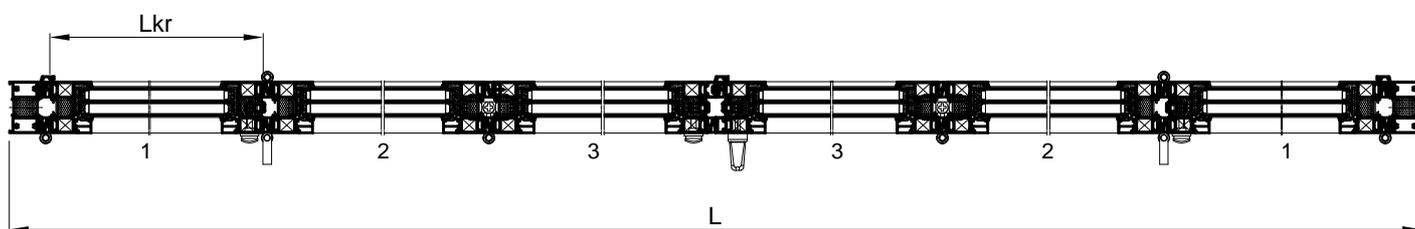


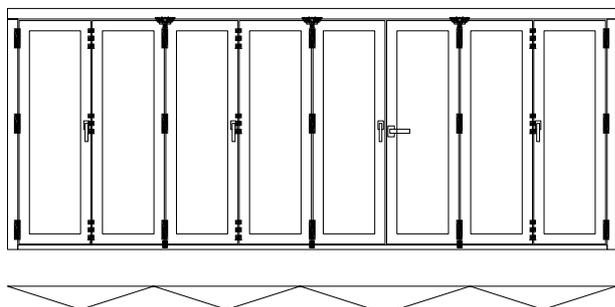
- KRILA JEDNAKE ŠIRINE 5+1
- Lkr=L/6 - 33.5
- SASH OF EQUAL WIDTH 5+1
- Lkr= L/6 - 33.5



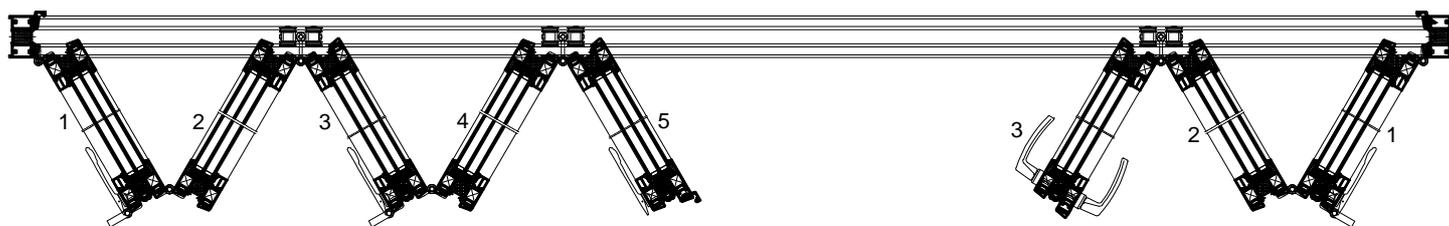
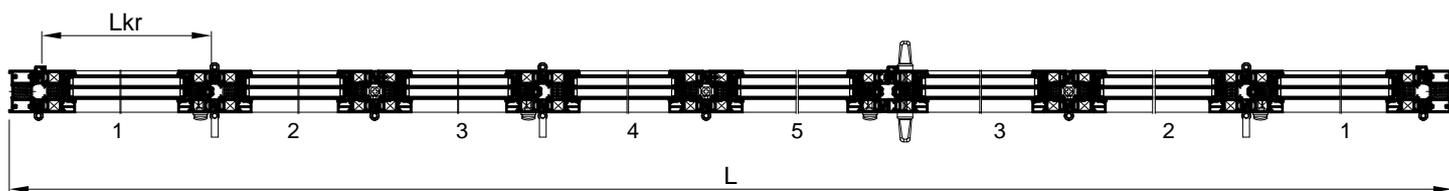


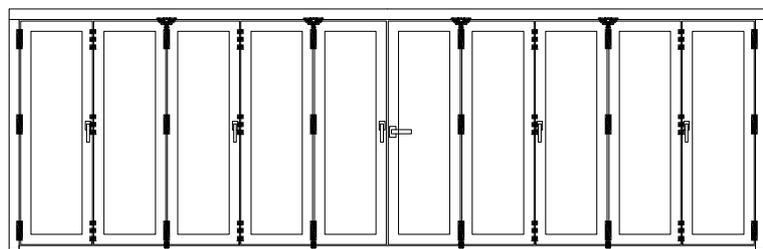
- KRILA JEDNAKE ŠIRINE 3+3
- Lkr=L/6 - 33.5
- SASH OF EQUAL WIDTH 3+3
- Lkr= L/6 - 33.5



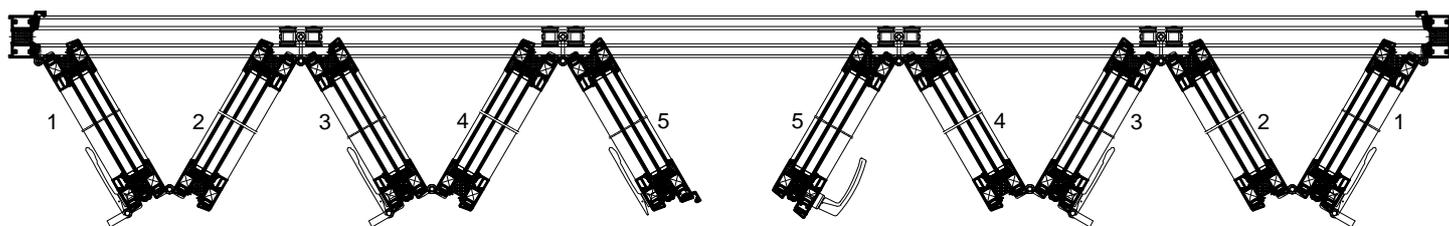
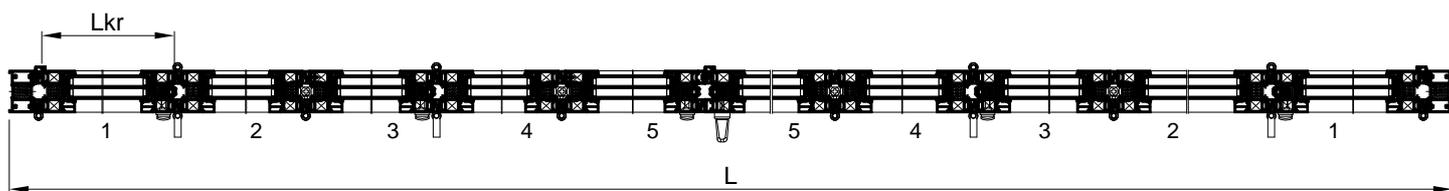


- KRILA JEDNAKE ŠIRINE 5+3
- Lkr=L/8 - 28
- SASH OF EQUAL WIDTH 5+3
- Lkr= L/8 - 28





- KRILA JEDNAKE ŠIRINE 5+5
- Lkr=L/10 - 25
- SASH OF EQUAL WIDTH 5+5
- Lkr= L/10 - 25



Obrada i montaža

Processing and montage

MJERE PILANJA PROFILA OKVIRA RAMA

-PROFILI SE PILAJU POD 90°

-L(FT-1300) = L-90

-L(FT-1301) = L-7

-L(FT-1302) = H-72 (kom 2)

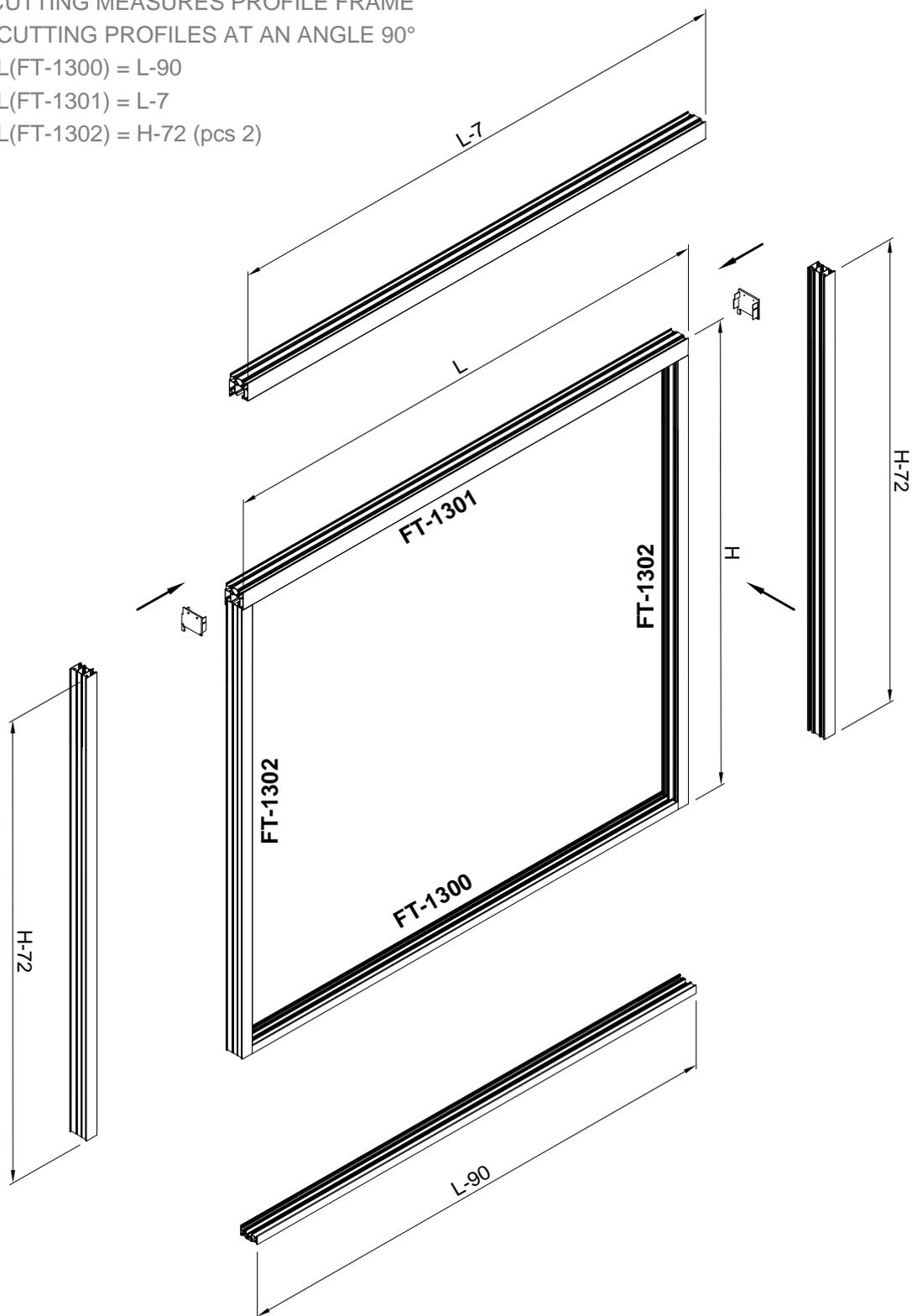
CUTTING MEASURES PROFILE FRAME

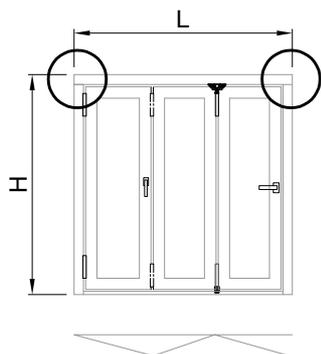
-CUTTING PROFILES AT AN ANGLE 90°

-L(FT-1300) = L-90

-L(FT-1301) = L-7

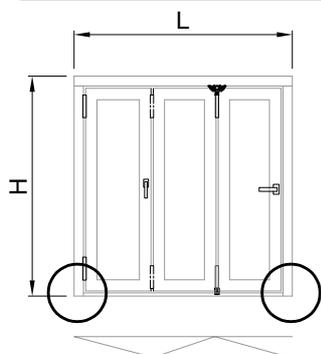
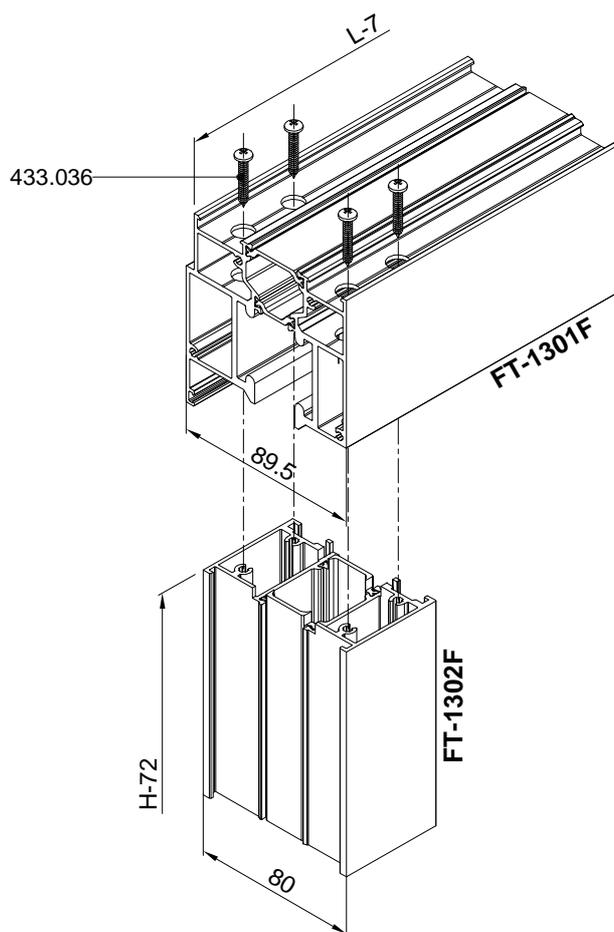
-L(FT-1302) = H-72 (pcs 2)



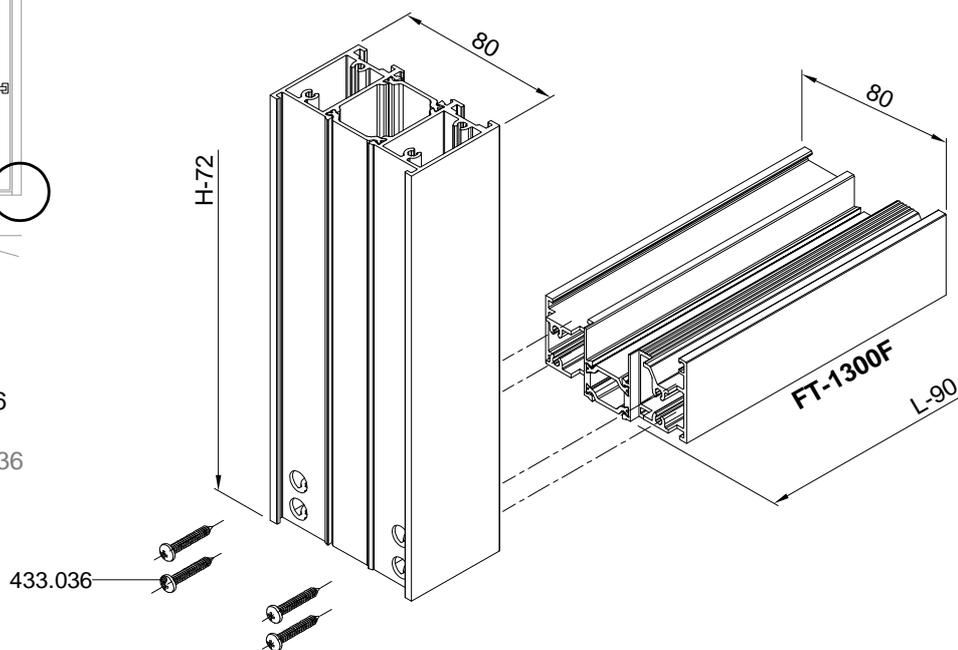


SPAJANJE OKVIRA RAMA CONNECT FRAME WITH SCREW

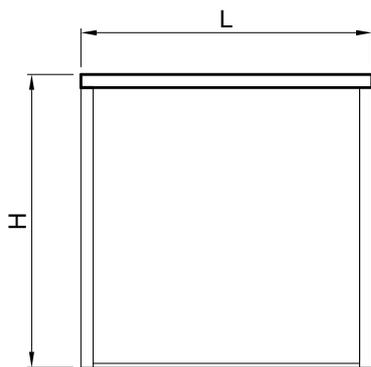
- spajanje vijcima 433.036
(4.2 x 45, DIN 7981)
- screw connection 433.036
(4.2 x 45, DIN 7981)



- spajanje vijcima 433.036
(4.2 x 45, DIN 7981)
- screw connection 433.036
(4.2 x 45, DIN 7981)



FT-1302

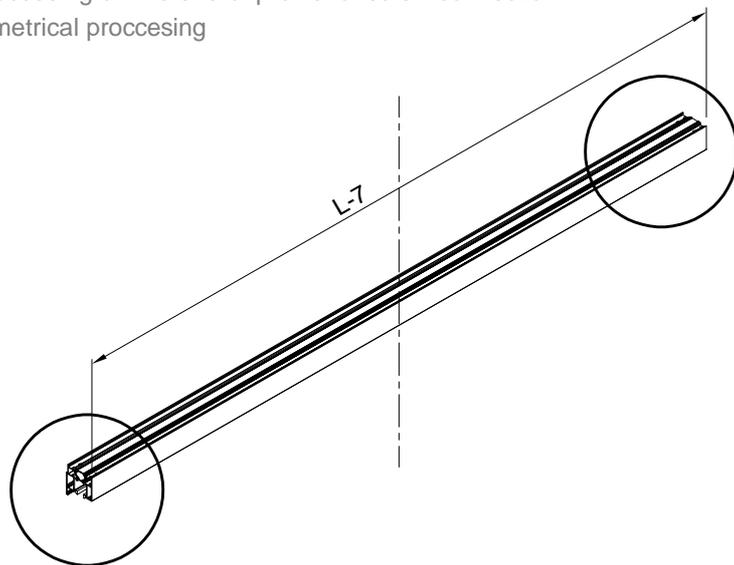


OBRADA PROFILA GORNJE VODILICE FT-1301F

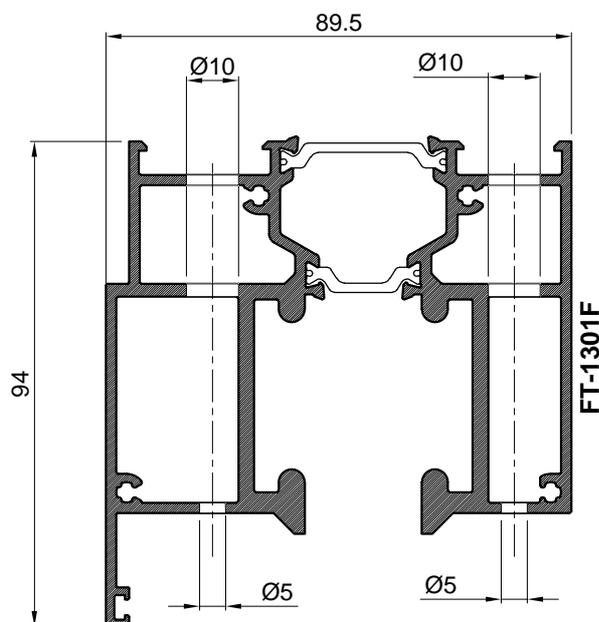
- Mjera pilanja L(FT-1301F) = L-7
- Obrada na krajevima profila za spajanje vijcima
- Simetrična obrada

PROCCESING ON PROFILE FOR UPPER GUIDE FT-1301F

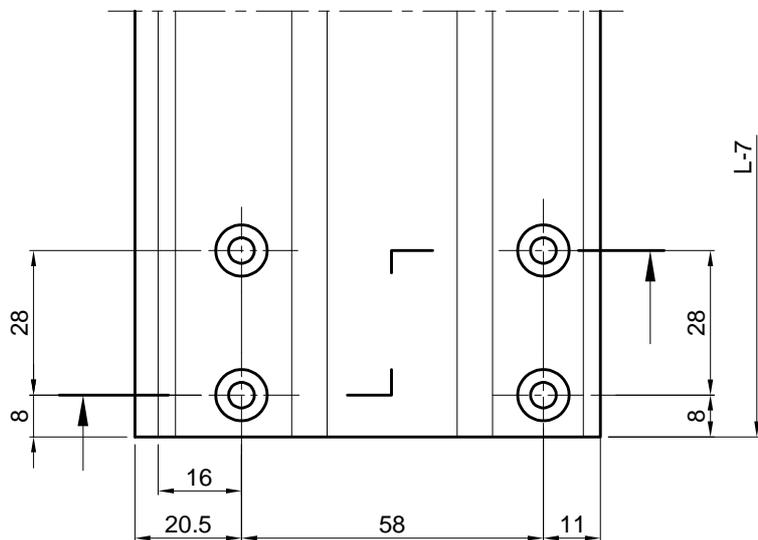
- Cutting measure L(FT-1301F) = L-7
- Processing on the end of profile for screw connection
- Simetrical processing

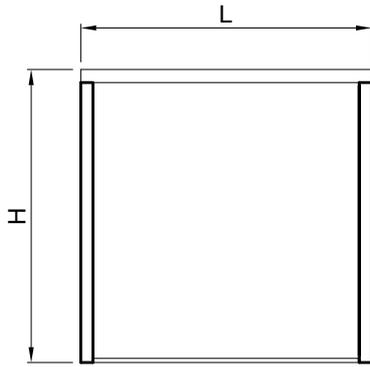


OBRADA PROFILA PROCESSING PROFILE



PRESJEK
SECTION



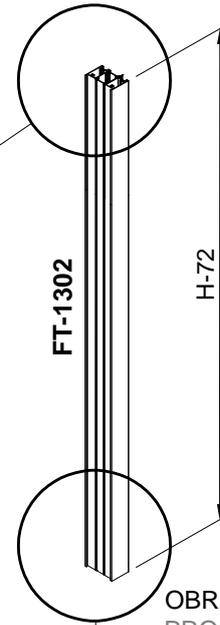


OBRADA PROFILA OKOMICE OKVIRA RAMA FT-1302F

-Mjera pilanja H(FT-1302F) = H-72

PROCESING ON MULLION FRAME PROFILE FT-1302F

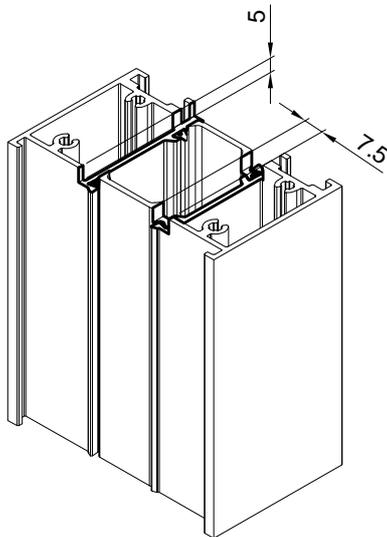
-Cutting measure H(FT-1302F) = H-72



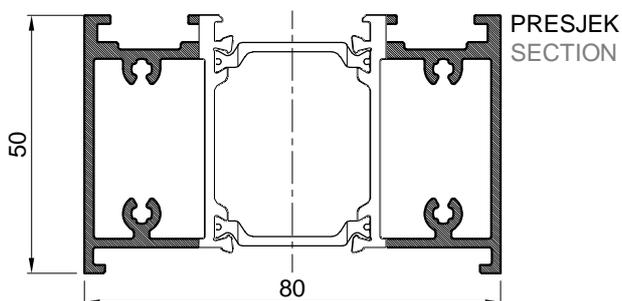
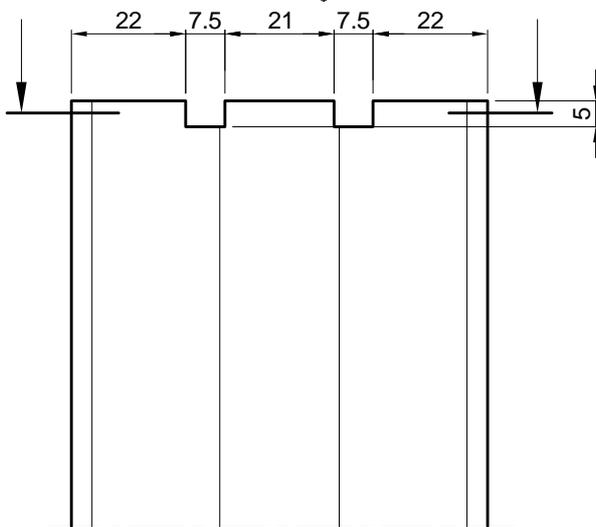
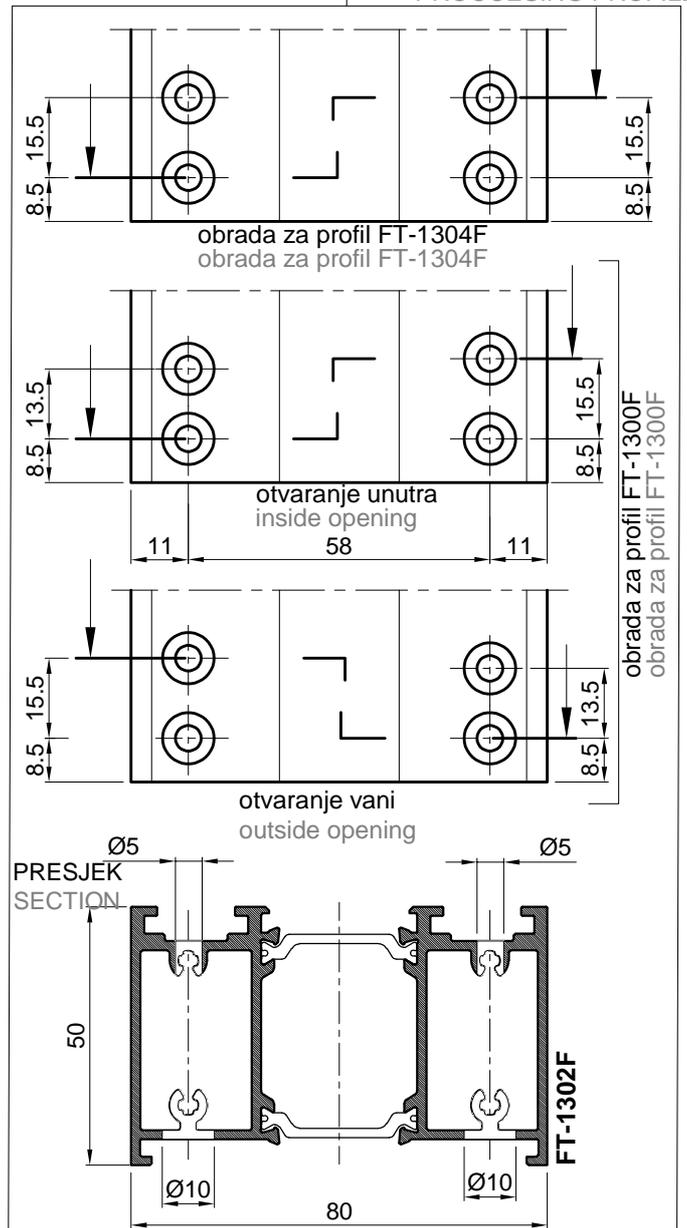
OBRADA PROCESING FT-1302F

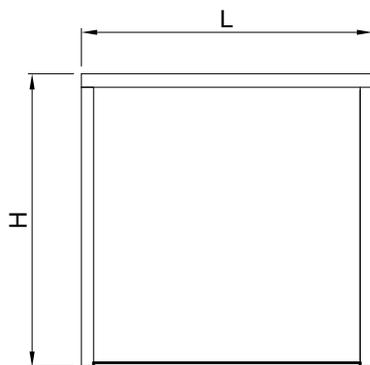
-obrada vretenastim glodalom

-processing with end mill

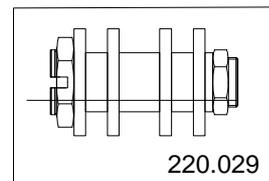
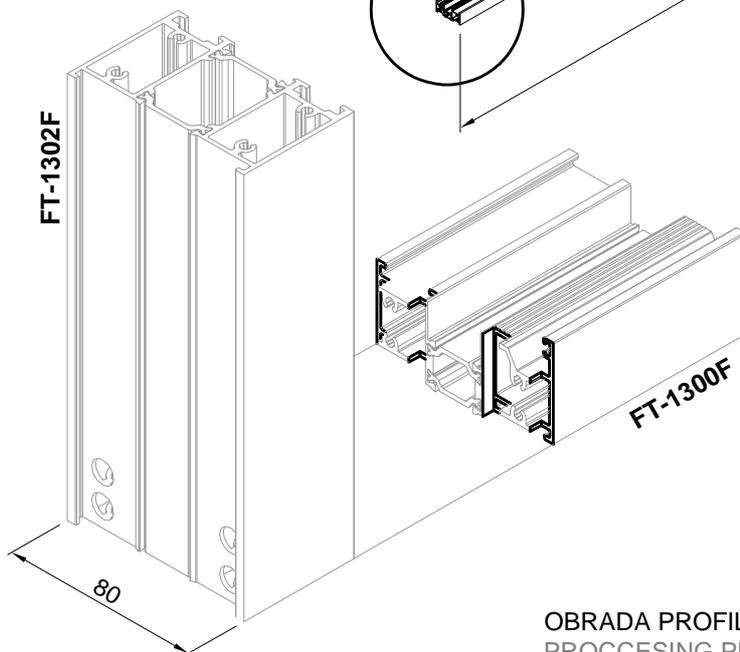
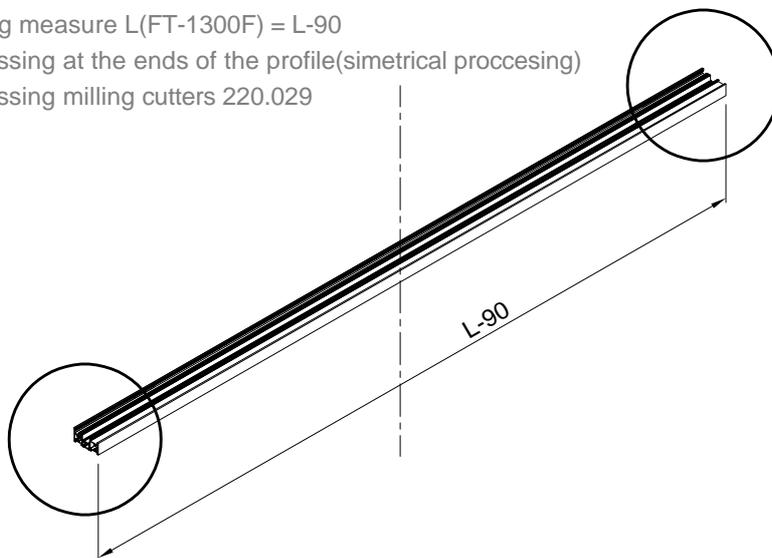


OBRADA PROFILA PROCESING PROFILE

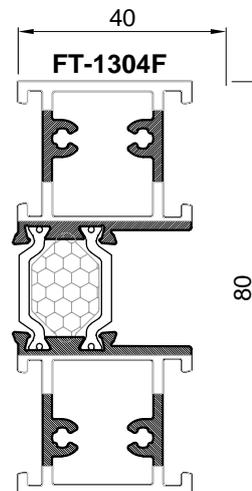
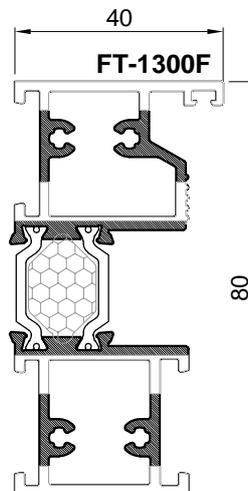
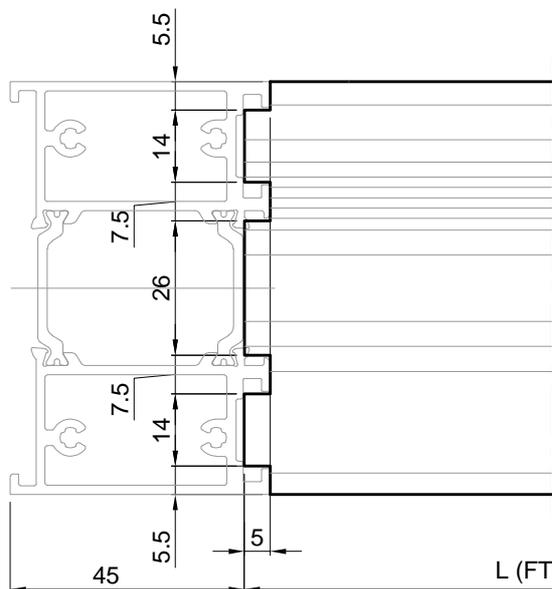




- OBRADA PROFILA DONJE VODILICE FT-1300F i FT-1304F
- Mjera pilanja L(FT-1300F) = L-90
- Obrada na krajevima profila (simetrična obrada)
- Obrada snopom glodala 220.029
- PROCESING ON PROFILE FOR LOWER GUIDE FT-1300F and FT-1304F
- Cutting measure L(FT-1300F) = L-90
- Processing at the ends of the profile(simetrical processing)
- Processing milling cutters 220.029

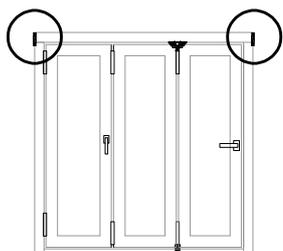


OBRADA PROFILA FT-1300F i FT-1304F
PROCESSING PROFILE FT-1300F and FT-1304F



L (FT-1300 i FT-1304F)=L-90

OBRADA PROFILA FT-1300F i FT-1304F je identična

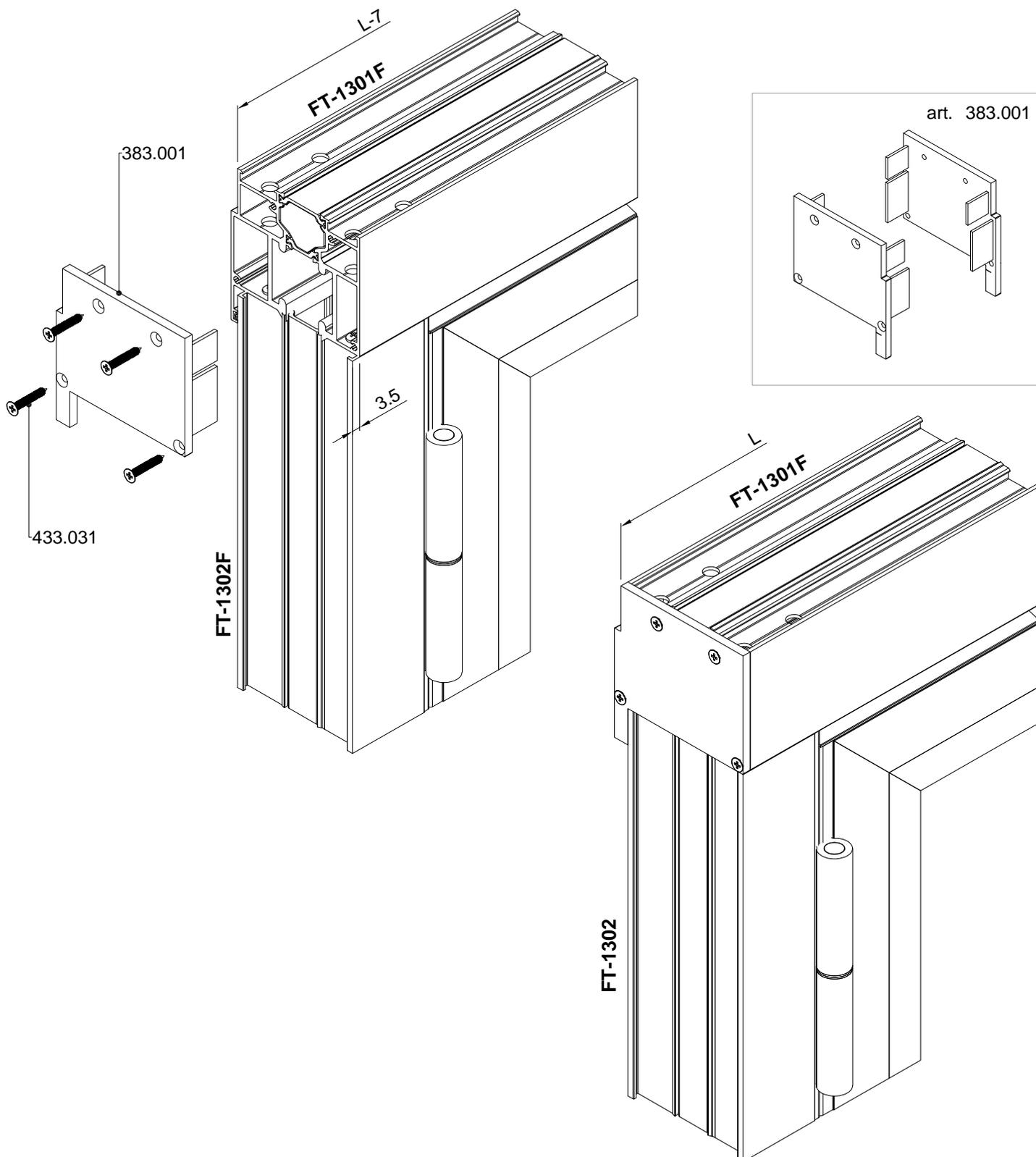


UGRADNJA UMETKA U PROFIL FT-1301F

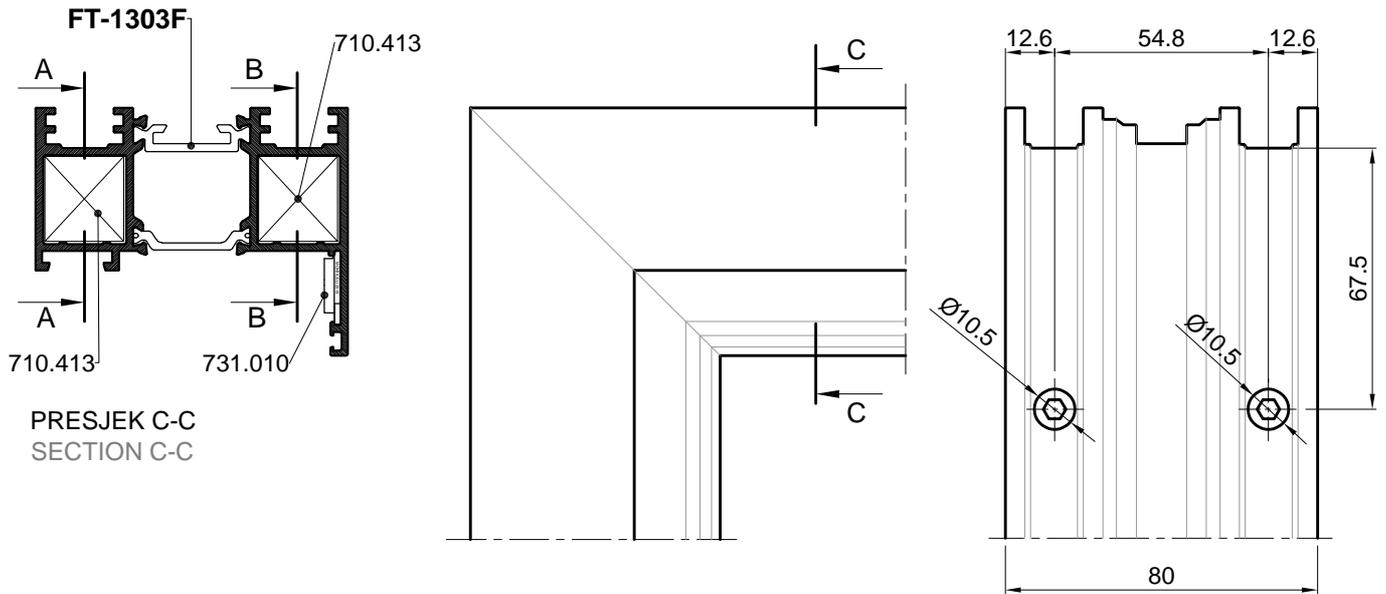
- Pilanje FT-1301 pod 90°
- Materijal umetka: Zamak
- Ugradnja umetka vijcima 4.2x22(DIN 7981)

MONTAGE INSERT INTO PROFILE FT-1301F

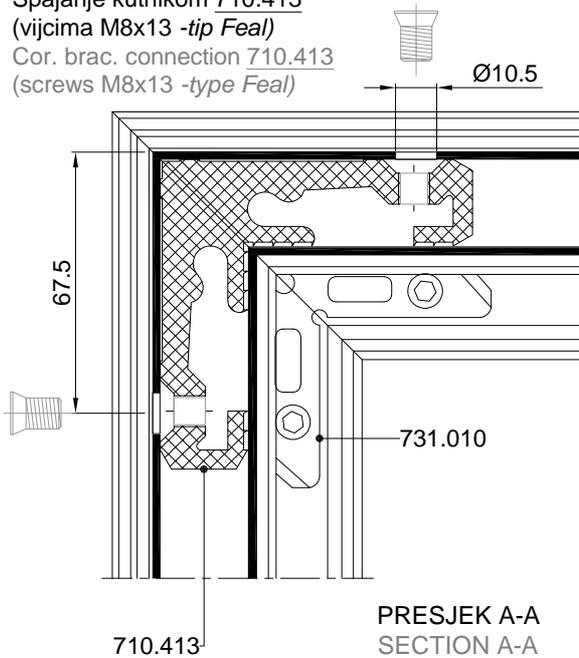
- Cutting FT-1301 at angle 90°
- Material insert: Zamak
- Insert with screw 4.2x22(DIN 7981)



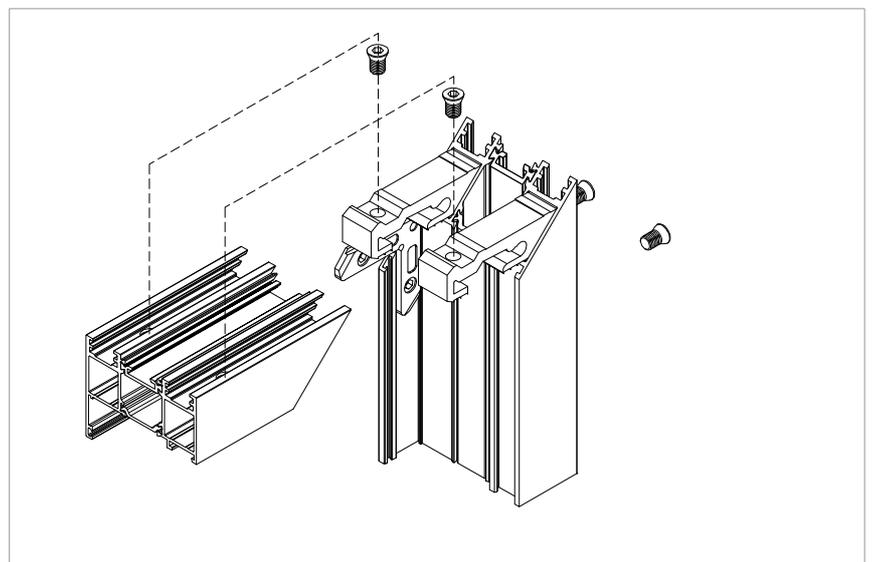
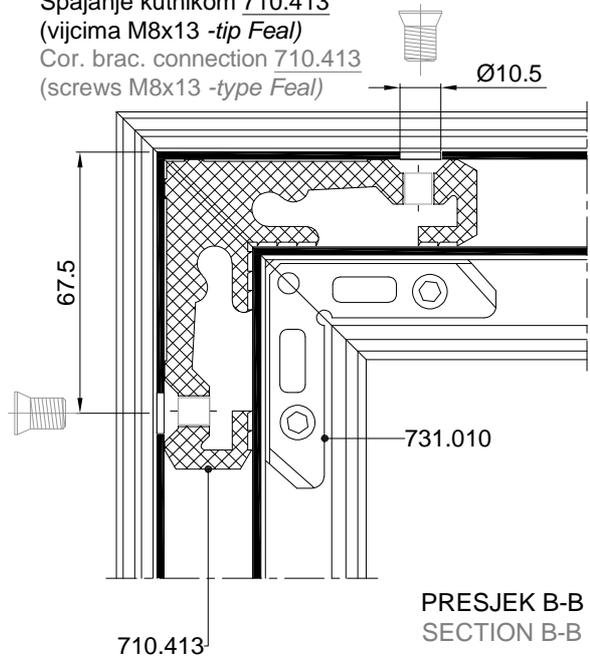
SPAJANJE PROFILA KRILA FT-1303F KUTNICIMA 710.413 i 731.010
CONNECTING SASH PROFILE FT-1303F WITH CORNER BRACKETS 710.413 i 731.010



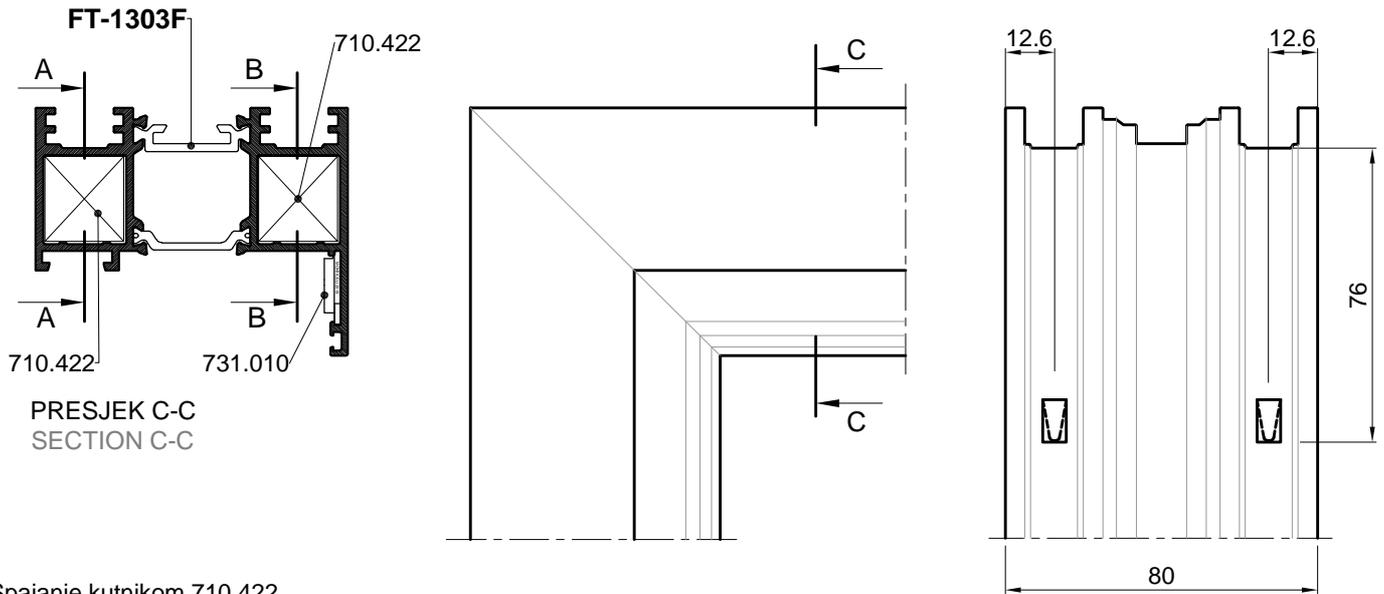
Spajanje kutnikom 710.413
(vijcima M8x13 -tip Feal)
Cor. brac. connection 710.413
(screws M8x13 -type Feal)



Spajanje kutnikom 710.413
(vijcima M8x13 -tip Feal)
Cor. brac. connection 710.413
(screws M8x13 -type Feal)

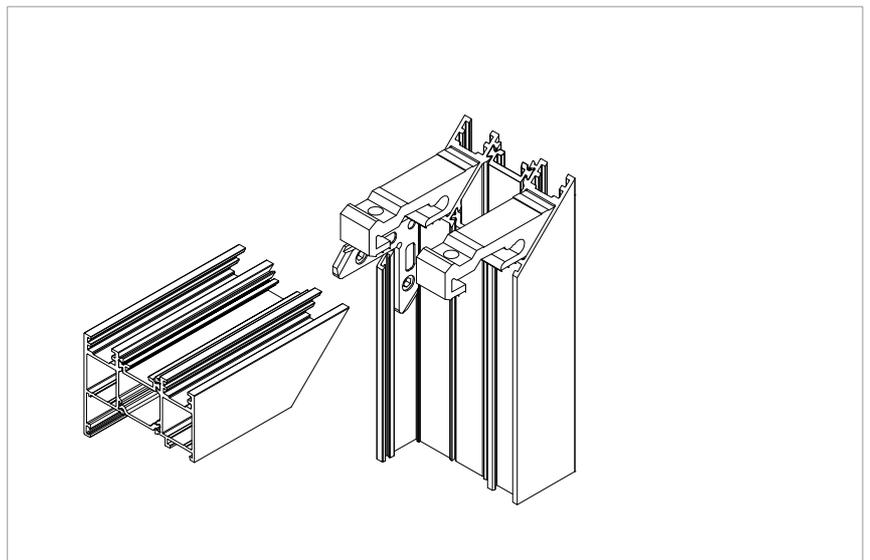
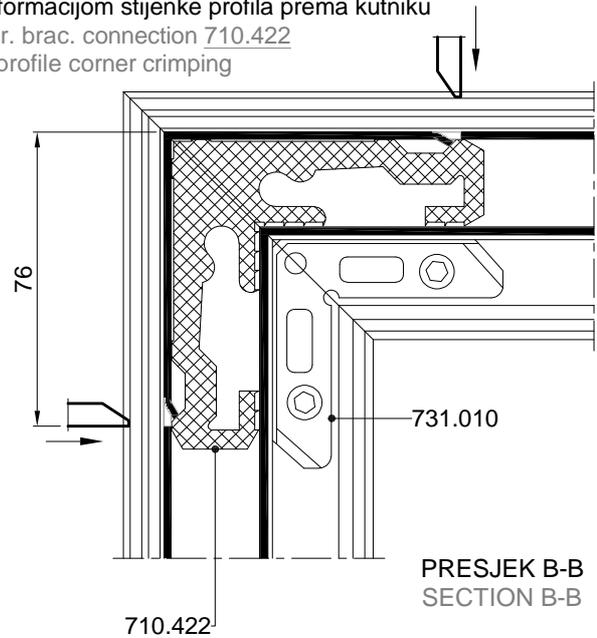
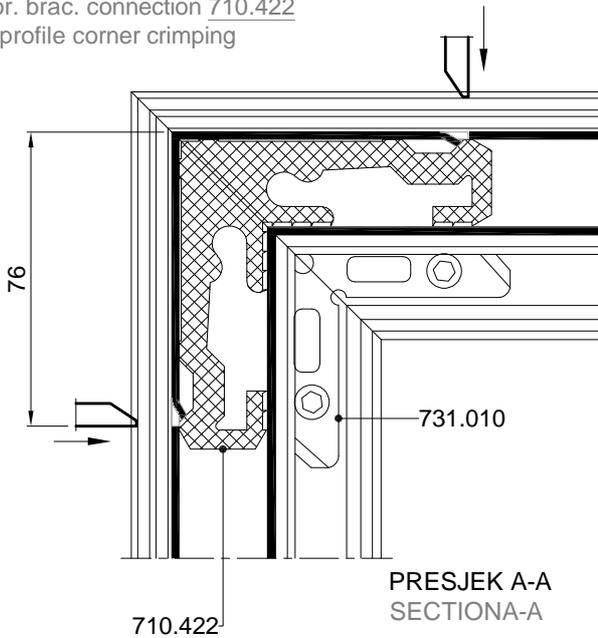


SPAJANJE PROFILA KRILA FT-1303F KUTNICIMA 710.422 i 731.010
CONNECTING SASH PROFILE FT-1303F WITH CORNER BRACKETS 710.422 i 731.010



Spajanje kutnikom 710.422
deformacijom stijenke profila prema kutniku
Cor. brac. connection 710.422
al profile corner crimping

Spajanje kutnikom 710.422
deformacijom stijenke profila prema kutniku
Cor. brac. connection 710.422
al profile corner crimping

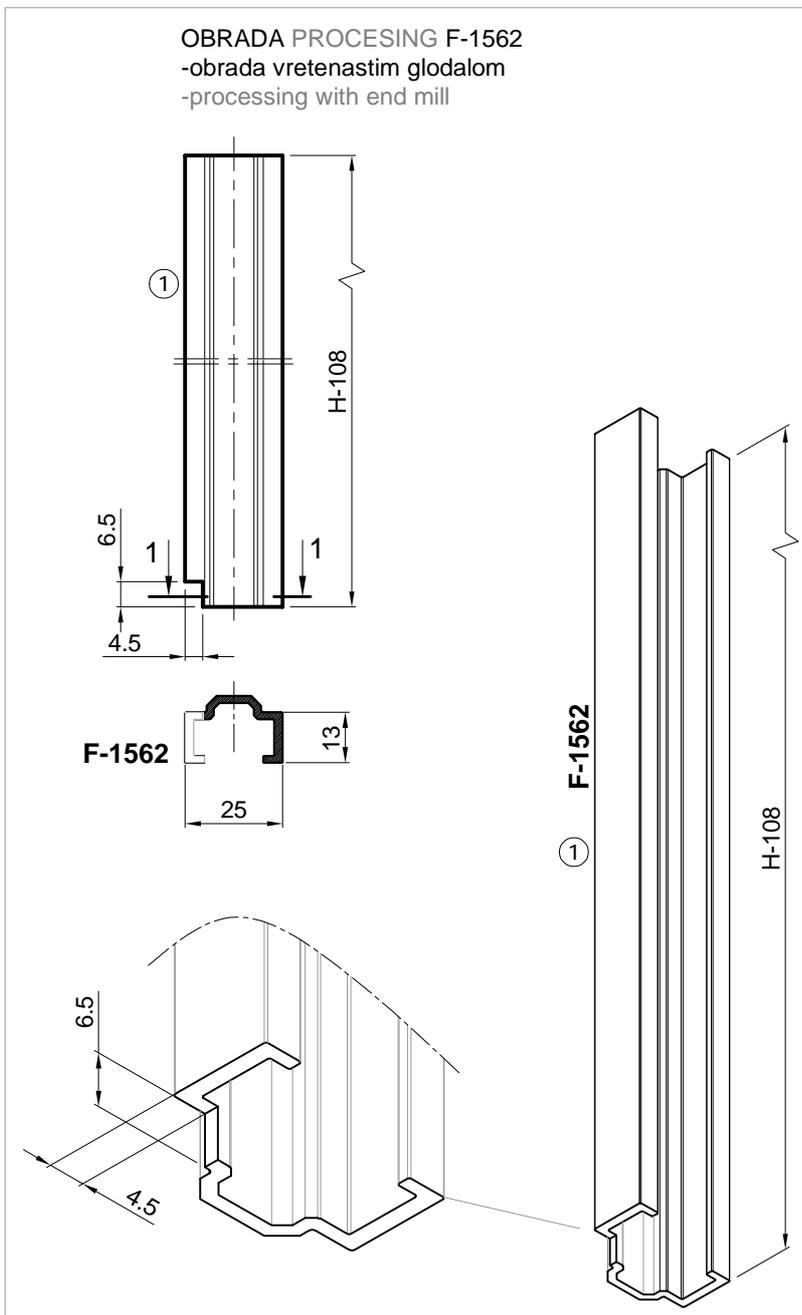
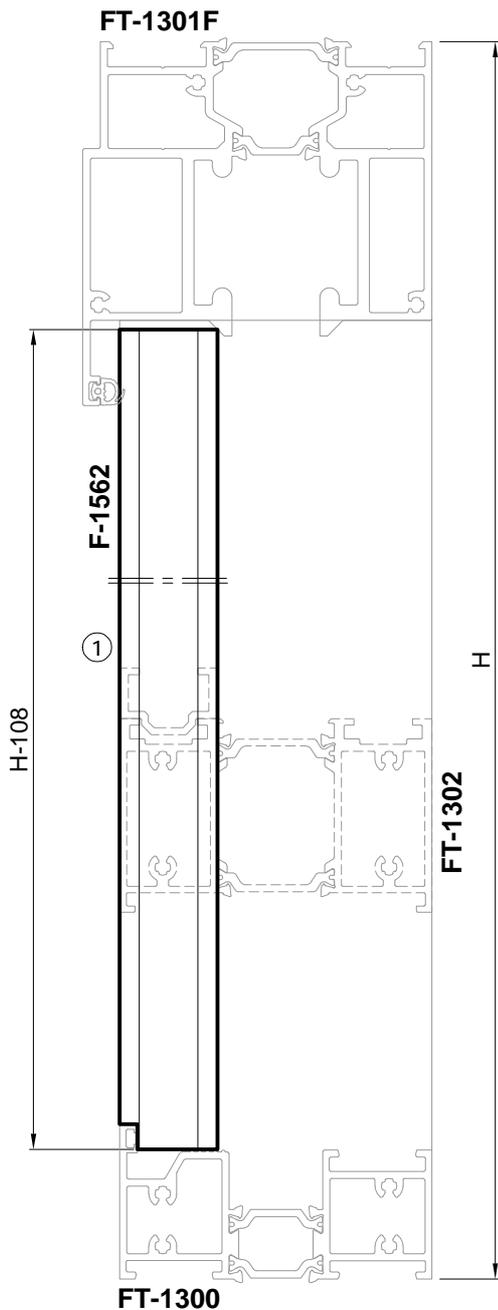
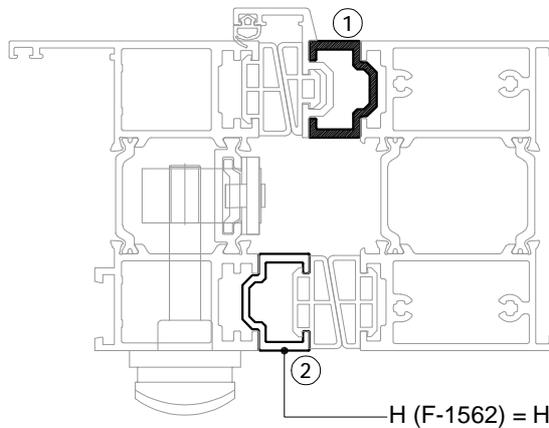
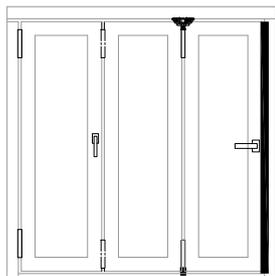


UGRADNJA I OBRADA PROFILA F-1562

- Poz.1 - ugrađuje se u okvir rama na mjestu brave
- Poz.2 - ugrađuje se na krilo na mjestu brave

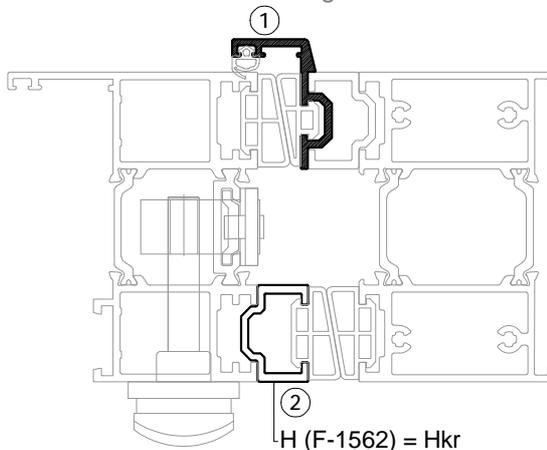
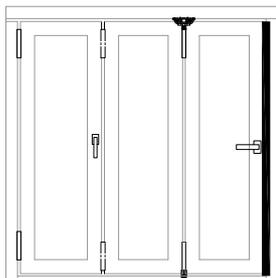
INSTALLATION AND PROCESING PROFILE F-1562

- Poz.1 - mounting in the frame profile at the lock position
- Poz.2 - mounting on the frame sash at the lock position

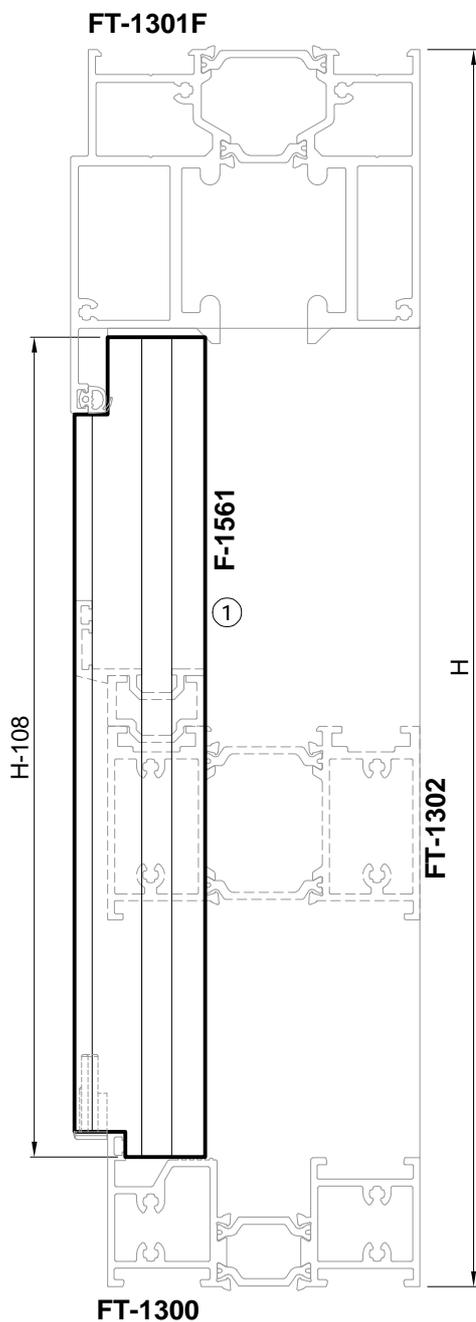


UGRADNJA I OBRADA PROFILA F-1561 i F-1562

- Poz 1. - F-1561- ugrađuje se na okvir rama na mjestu brave
 - Poz 2. - F-1562- ugrađuje se na okvir rama na mjestu brave
 - Poz 3. - F-1562- ugrađuje se na krilo na mjestu brave
- INSTALLATION AND PROCESING PROFILE F-1561
- Poz 1. - F-1561- mounting on the frame at the lock position
 - Poz 2. - F-1562- mounting on the frame at the lock position
 - Poz 3. - F-1562- mounting on the sash at the lock position

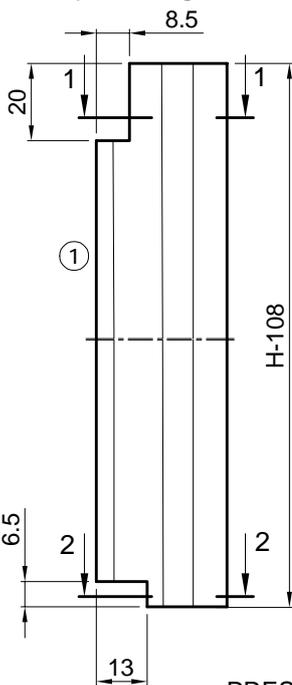


H (F-1562) = Hkr

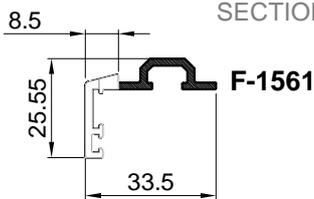


OBRADA PROCESING F-1561

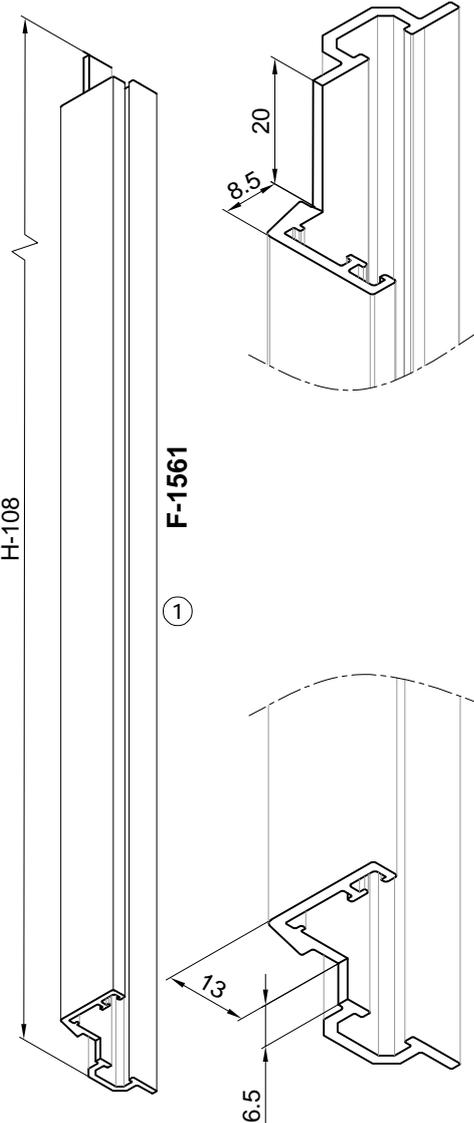
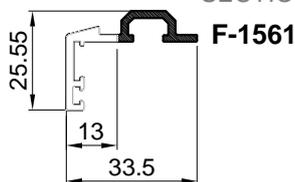
- obrada vretenastim glodalom
- processing with end mill



PRESJEK 1-1
SECTION 1-1



PRESJEK 2-2
SECTION 2-2

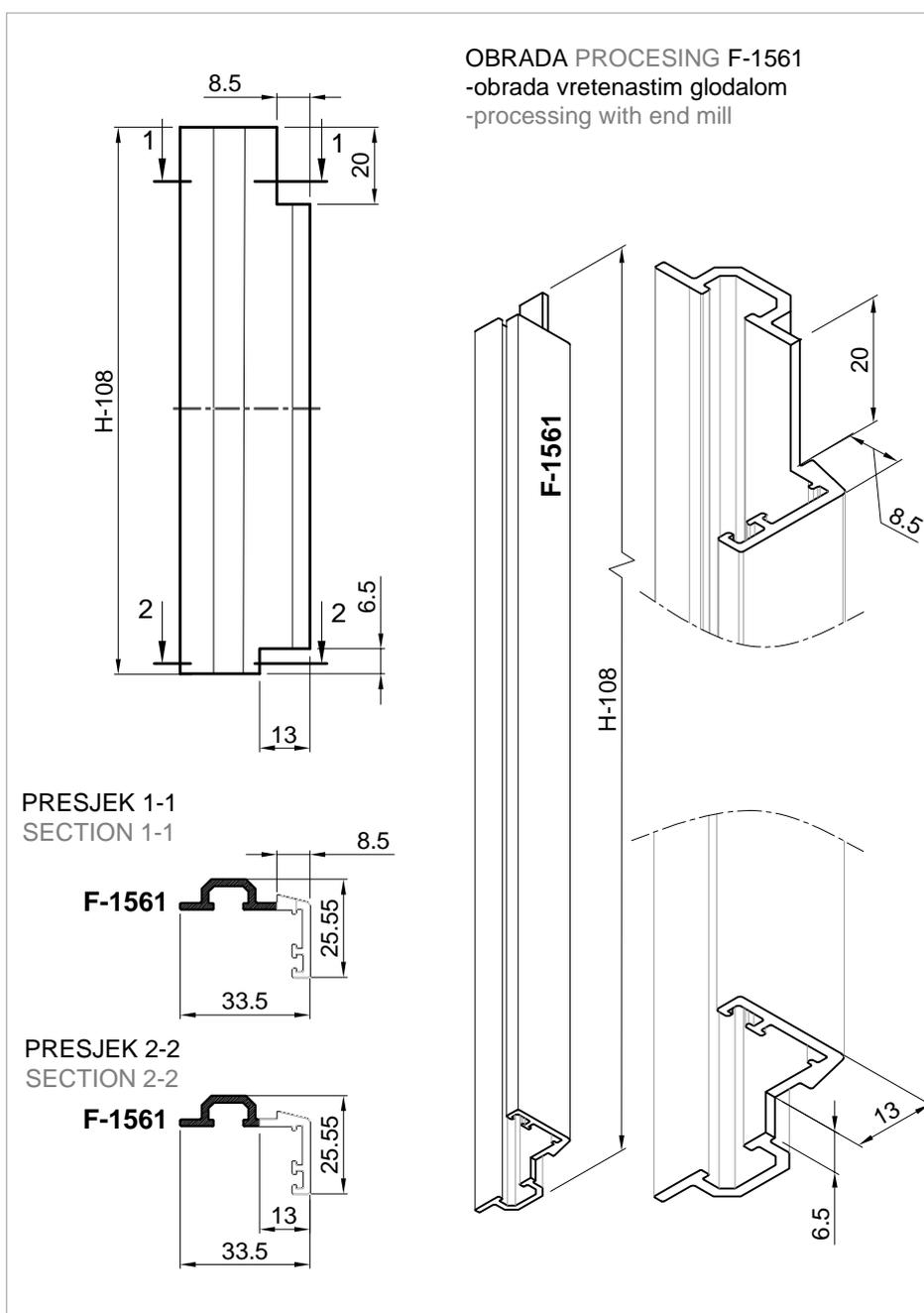
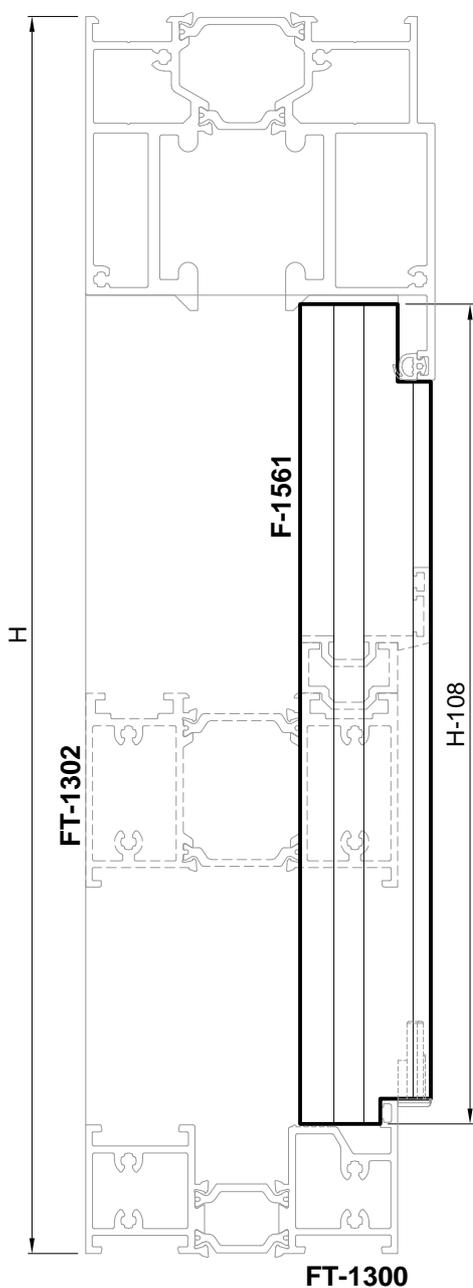
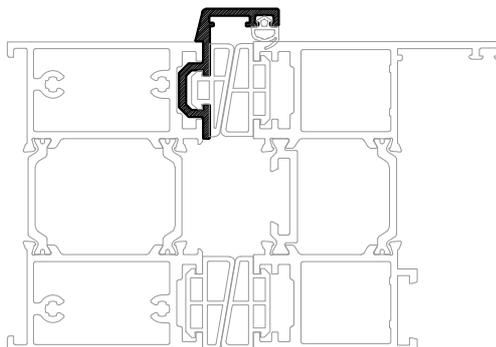
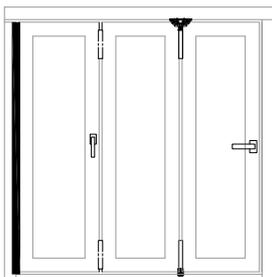


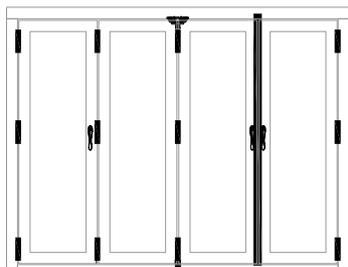
UGRADNJA I OBRADA PROFILA F-1561

-ugrađuje se u okvir rama

INSTALLATION AND PROCESING PROFILE F-1561

-mounting in the frame profile





UGRADNJA I OBRADA PROFILA F-1561 i F-1562

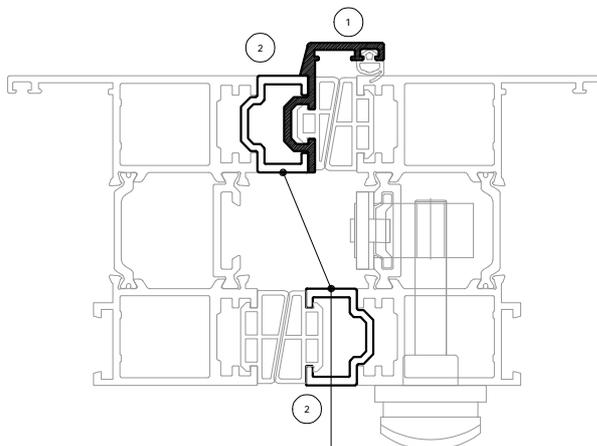
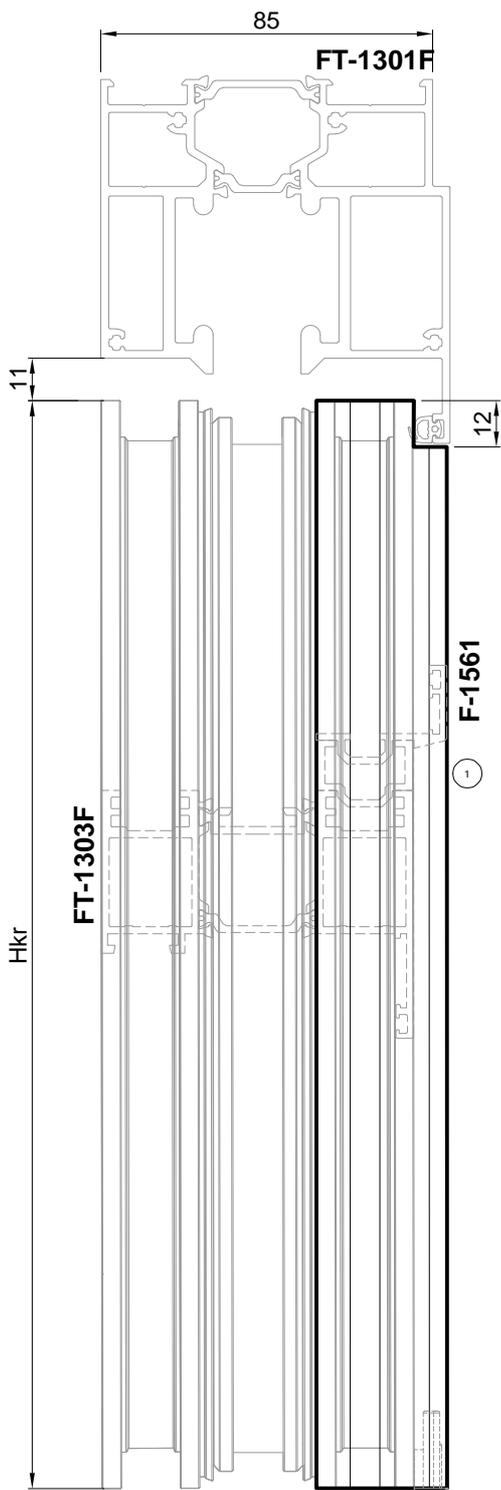
-Poz 1. - F-1561- ugrađuje se na krilo na mjestu brave

-Poz 2. - F-1562- ugrađuje se na krilo na mjestu brave

INSTALLATION AND PROCESING PROFILE F-1561 and F-1562

-Poz 1. - F-1561- mounting on the sash at the lock position

-Poz 2. - F-1562- mounting on the sash at the lock position

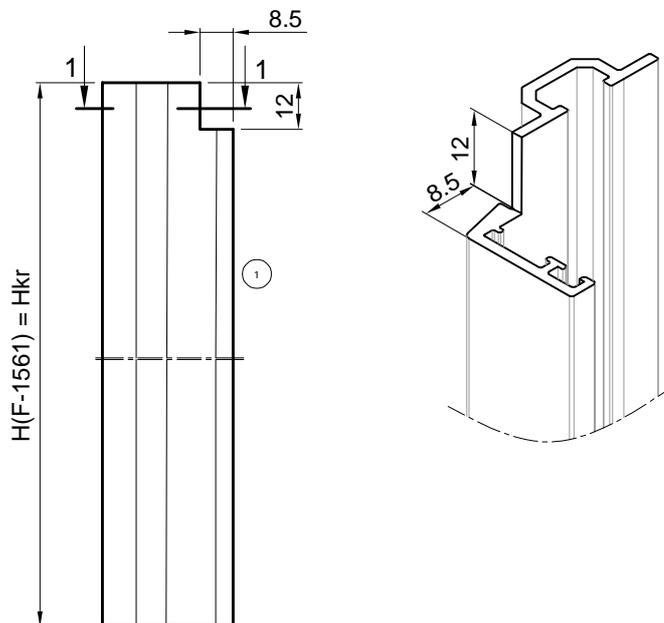


$H(F-1562) = Hkr$

OBRADA PROCESING F-1561

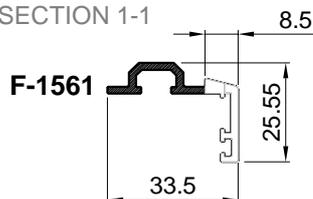
-obrada vretenastim glodalom

-processing with end mill

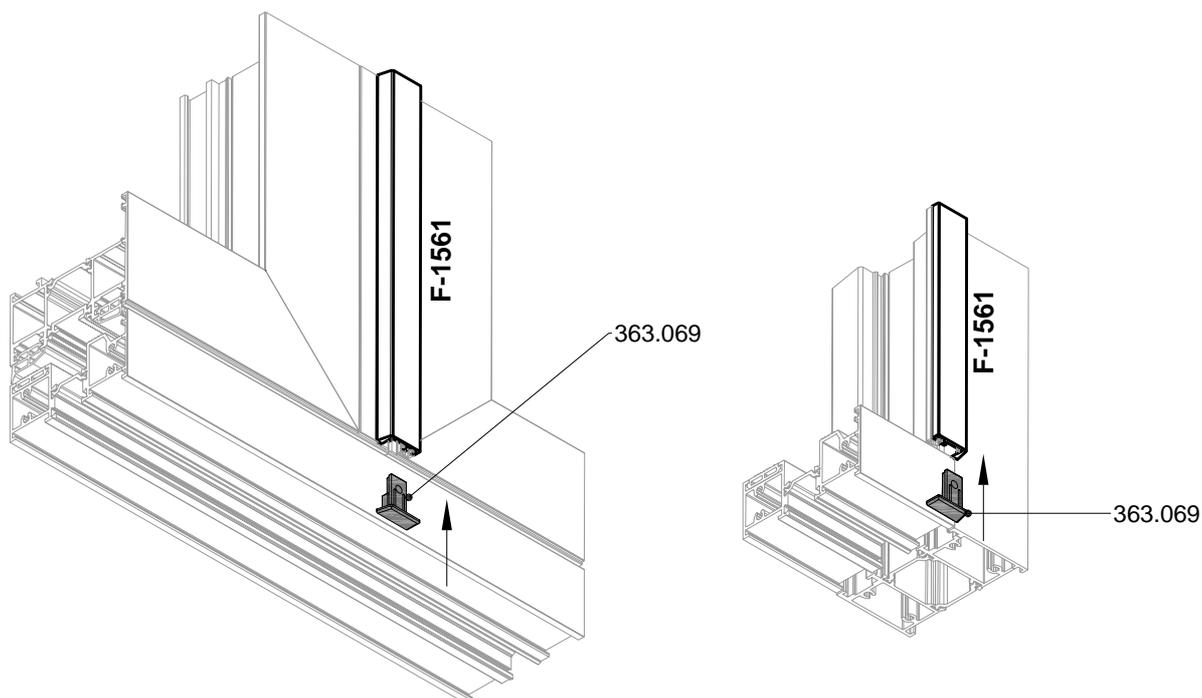
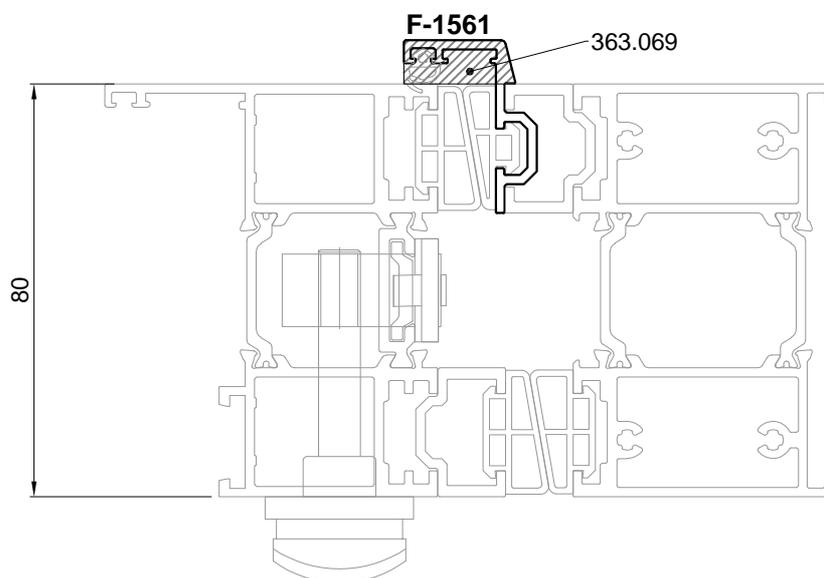
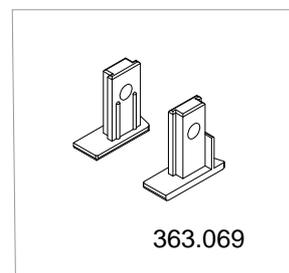
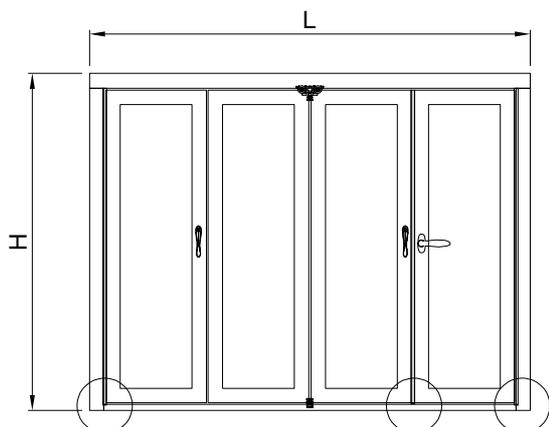


PRESJEK 1-1

SECTION 1-1



UGRADNJA PVC UMETKA 363.069 U PROFIL F-1561
INSERT PVC PIECE 360.009 IN PROFILE F-1561



UGRADNJA I OBRADA PROFILA KRILA ZA SKRIVENI ODVOD KAPLJEVINA

-Izvod kapljevina iz krila pomoću monodrain cjevčice 360.009

-Obradu profila raditi glodalom ili svrdlom Ø10

svakih 600 mm (250 mm od krajeva profila)

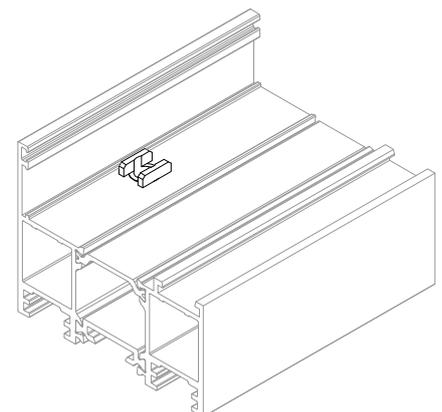
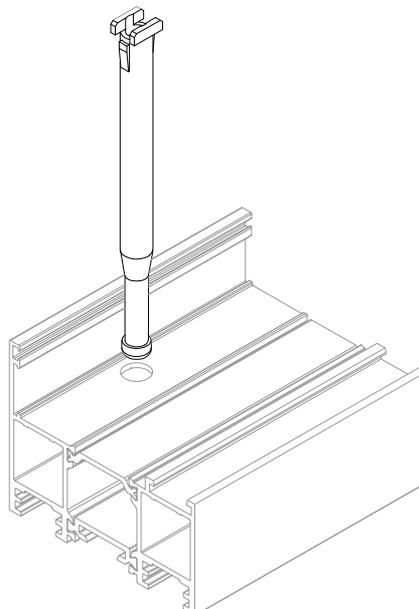
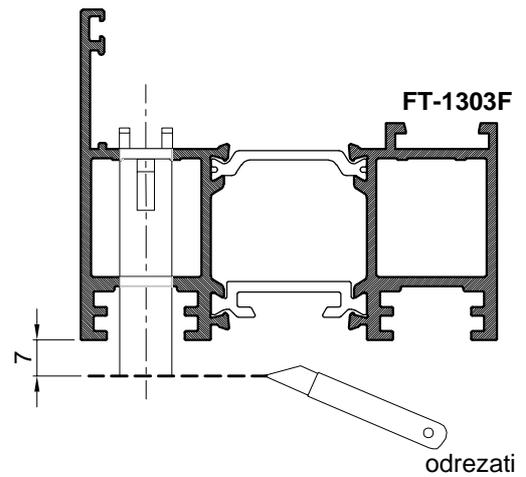
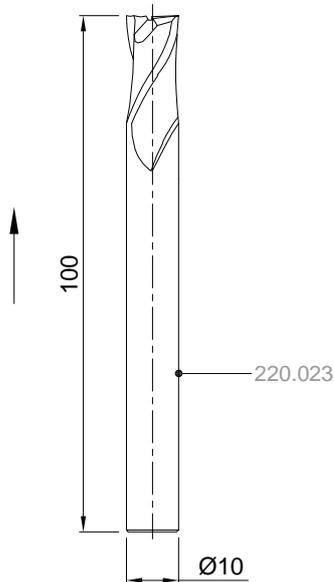
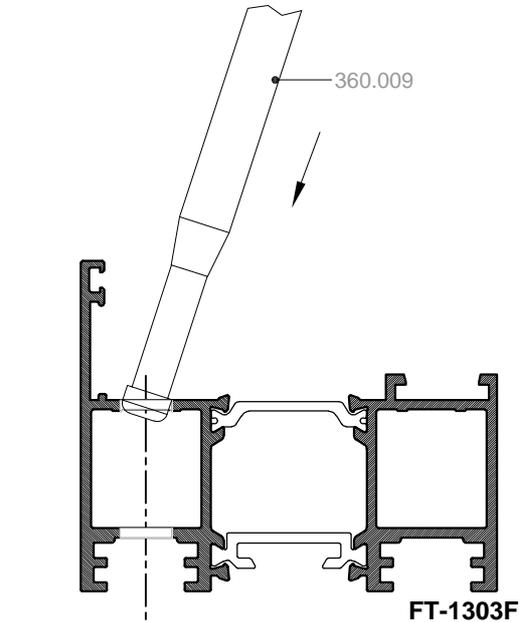
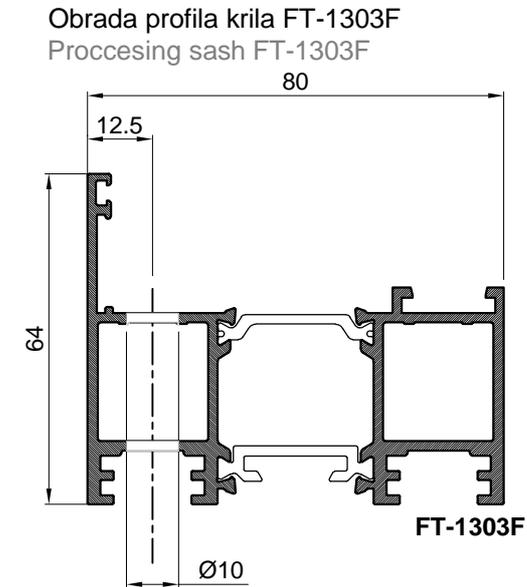
INSERT AND PROCCESSING SASH PROFILE FOR HIDDEN DRAINAGE

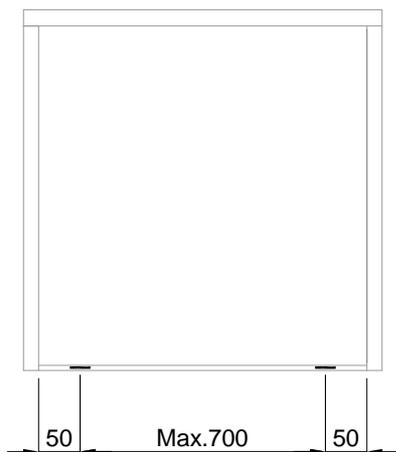
-Drainage from profile with monodrain tube 360.009

-Proccesing profile with milling or drilling Ø10 every 600 mm (250 mm from end of profile)

Ugradnja monodrain cjevčice 360.009

Insert monodrain tube 360.009





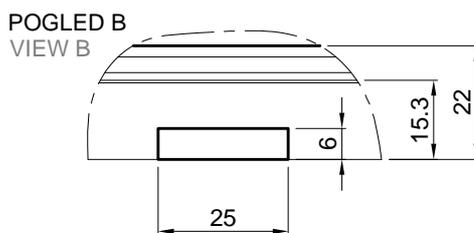
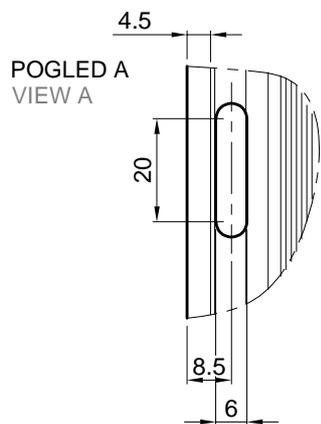
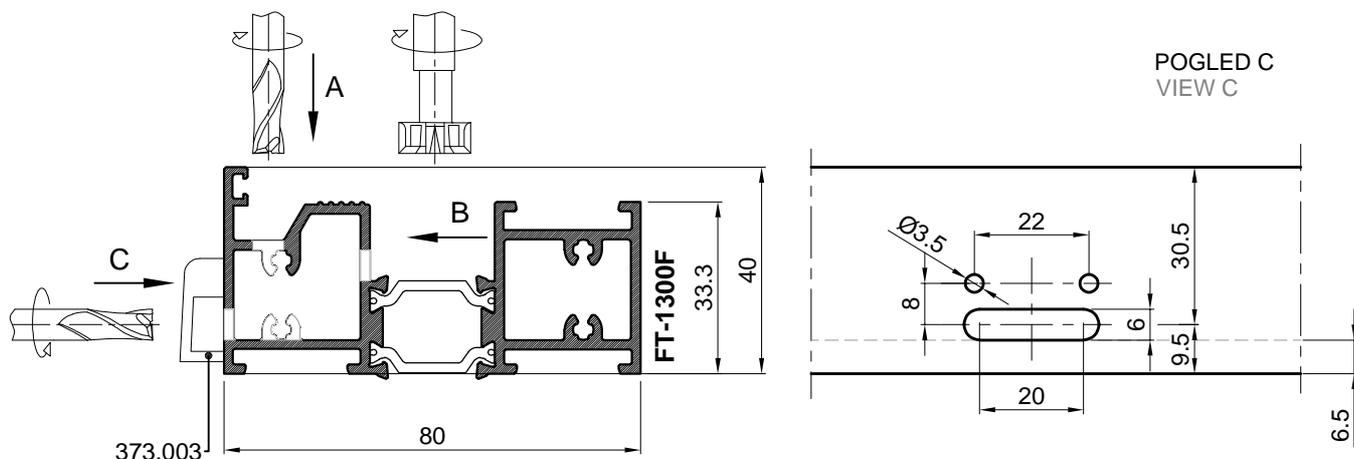
OBRADA PROFILA FT-1300F RADI ODVODA KAPLJEVINA

1. obrada vretenastim glodalom- poz.A
(smaknuto u odnosu na C za 100 mm prema unutra)
2. obrada T glodalom 13x6- poz.B
(smaknuto u odnosu na C za 100 mm prema unutra)
3. obrada vretenastim glodalom -poz.C

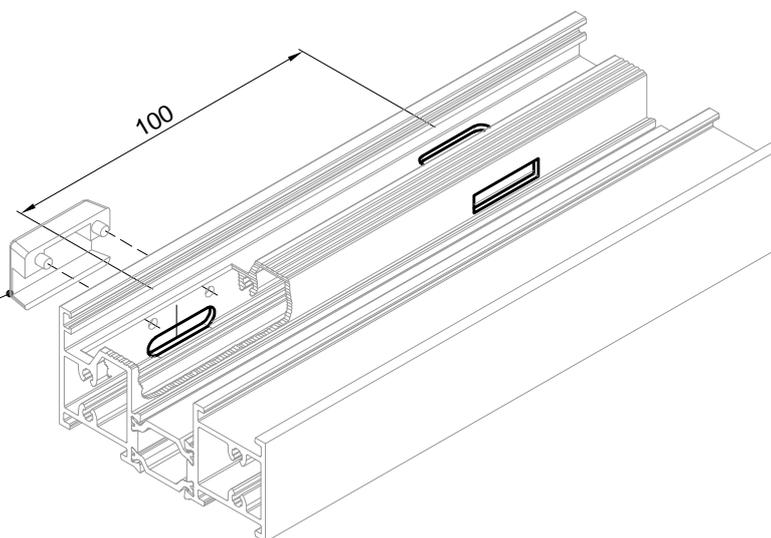
-PVC umetak na otvoru za odvod kapljevina 373.003
PROCCESING PROFILE FT-1300F FOR DRAINAGE

1. processing with end mill -poz.A
(shift compared to C za 100 mm inward)
2. processing with T-slot 13x6 end mill -poz.B
(shift compared to C za 100 mm inward)
3. processing with end mill -poz.C

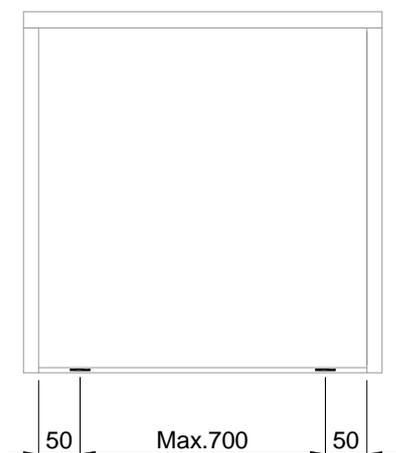
-PVC insert on drainage hole 373.003



373.003
umetak na otvoru
za odvod kapljevina
insert on drainage hole



OTVARANJE VANI
OUTSIDE OPENING



OBRADA PROFILA FT-1300F RADI ODVODA KAPLJEVINA

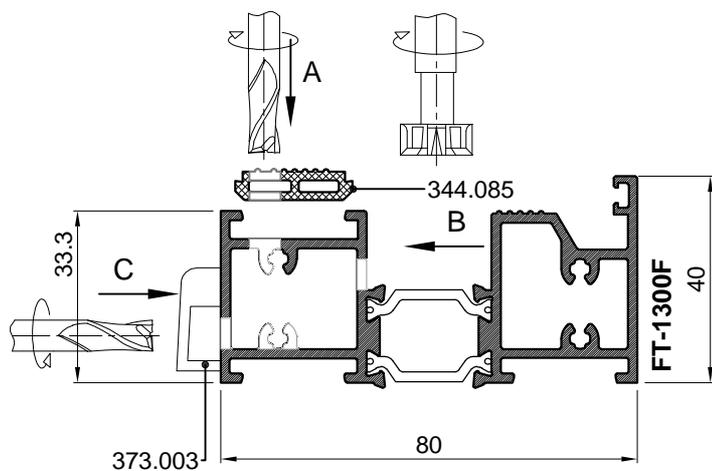
1. obrada vretenastim glodalom- poz.A
(smaknuto u odnosu na C za 100 mm prema unutra)
2. obrada T glodalom 13x6- poz.B
(smaknuto u odnosu na C za 100 mm prema unutra)
3. obrada vretenastim glodalom -poz.C

-PVC umetak na otvoru za odvod kapljevina 373.003

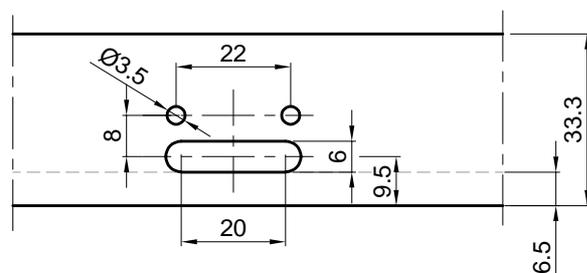
PROCESING PROFILE FT-1300F FOR DRAINAGE

1. processing with end mill -poz.A
(shift compared to C za 100 mm inward)
2. processing with T-slot 13x6 milling cutter -poz.B
(shift compared to C za 100 mm inward)
3. processing with end mill -poz.C

-PVC insert on drainage hole 373.003

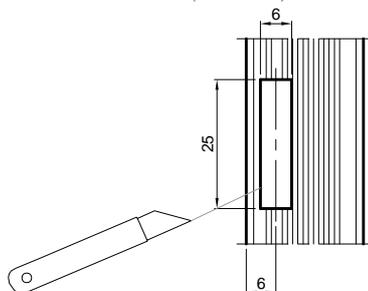


POGLED C



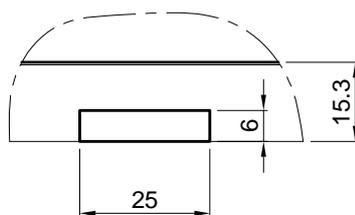
POGLED A (344.085)

VIEW A (344.085)

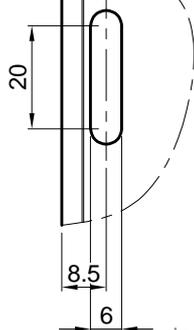


POGLED B

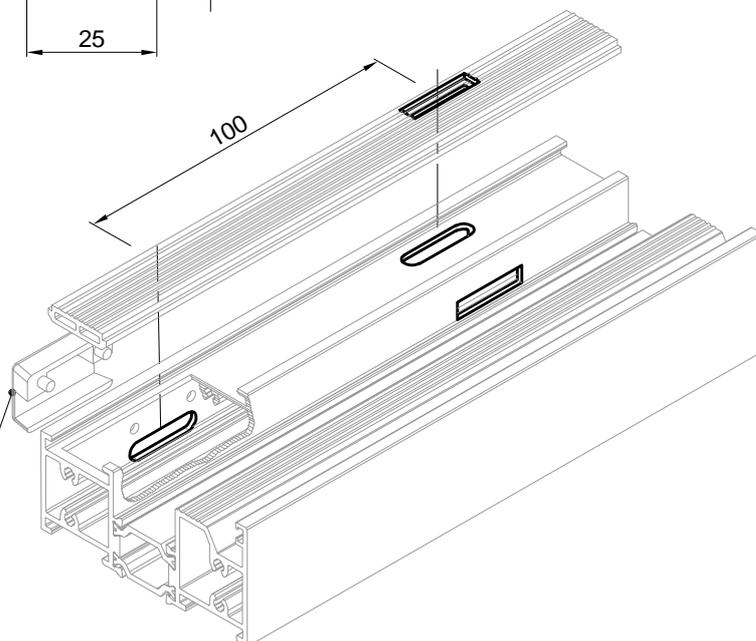
VIEW B



POGLED A
VIEW A

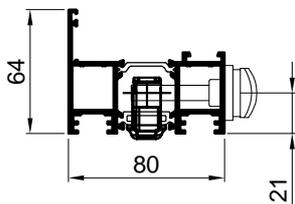
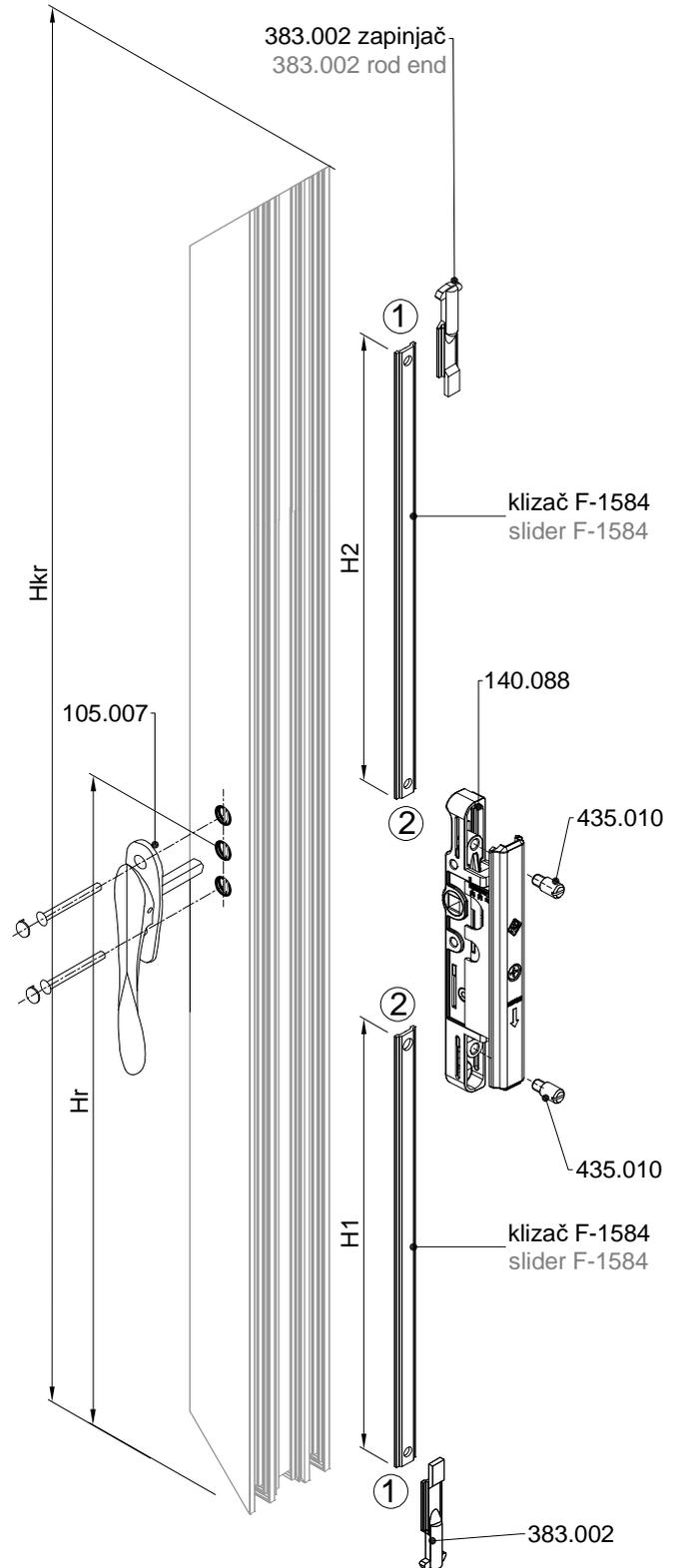
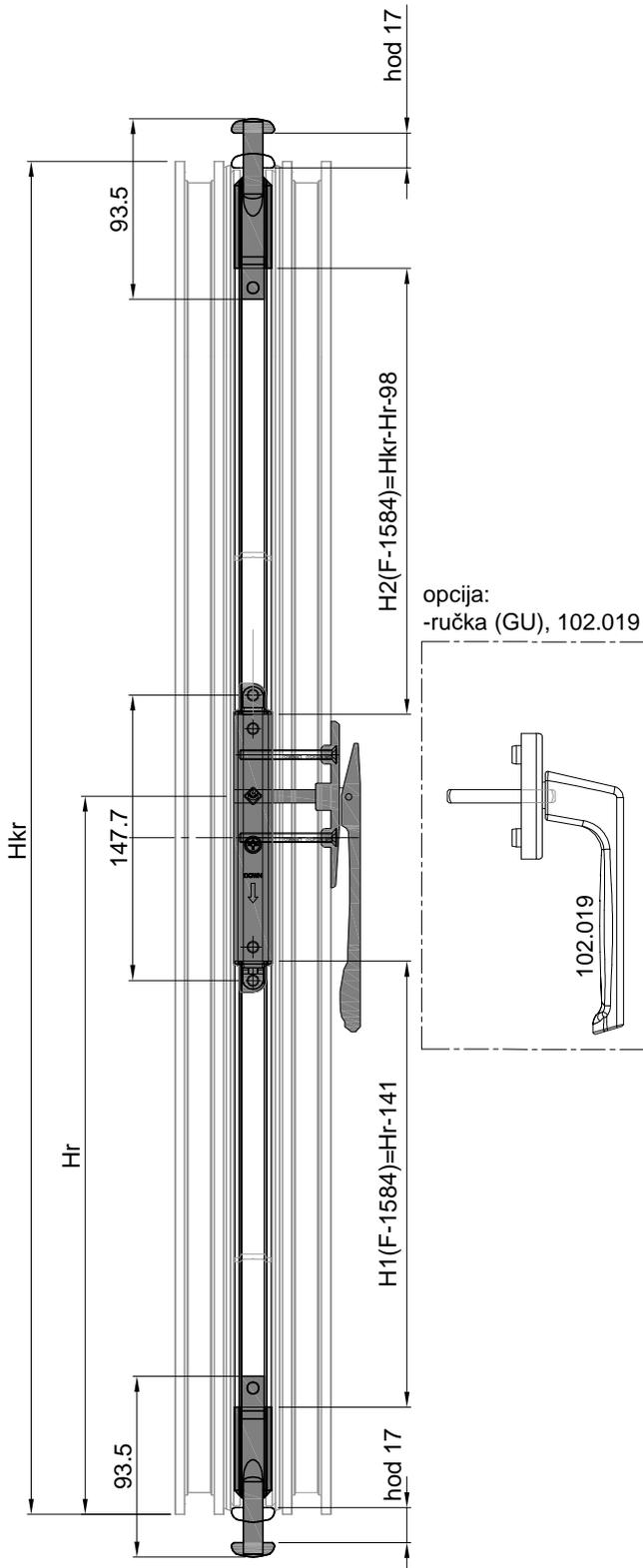


373.003
umetak na otvoru
za odvod kapljevina
insert on drainage hole

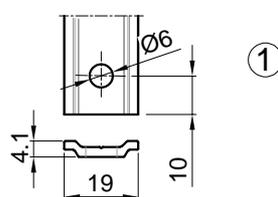


PRIKAZ KLJUČANJA KRILA SHOW LOCKING SASH

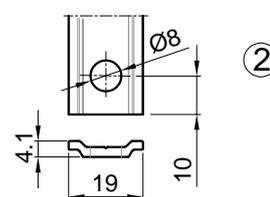
Klizač F-1584 se povr. zaštićuje - prema RAL karti
The F-1584 slider is surface protected - according to the RAL chart



Obrada klizača F-1584 prema 383.002
Processing slider F-1584 acc. 383.002



Obrada klizača F-1584 prema 140.088
Processing slider F-1584 acc. 140.088

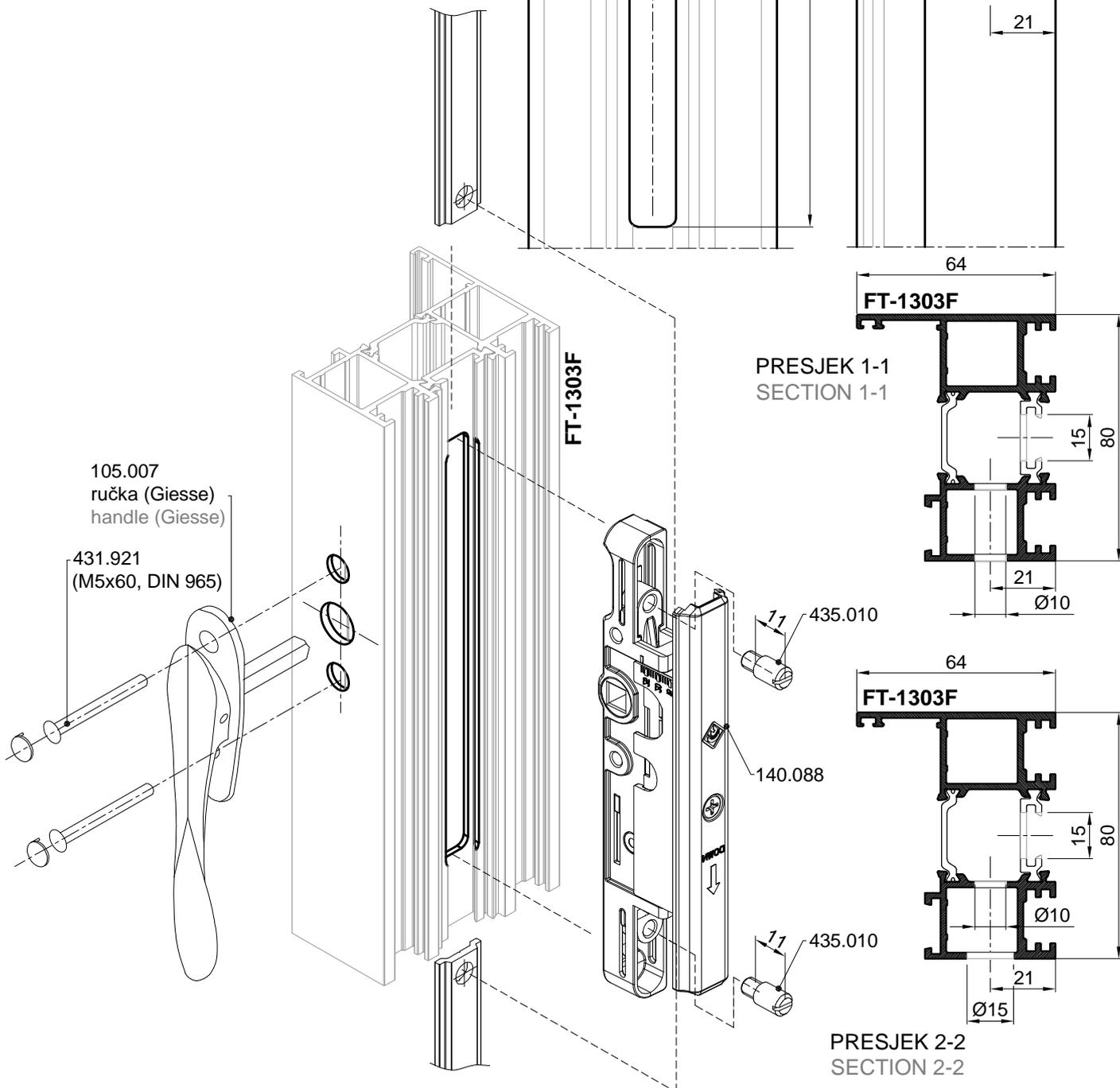
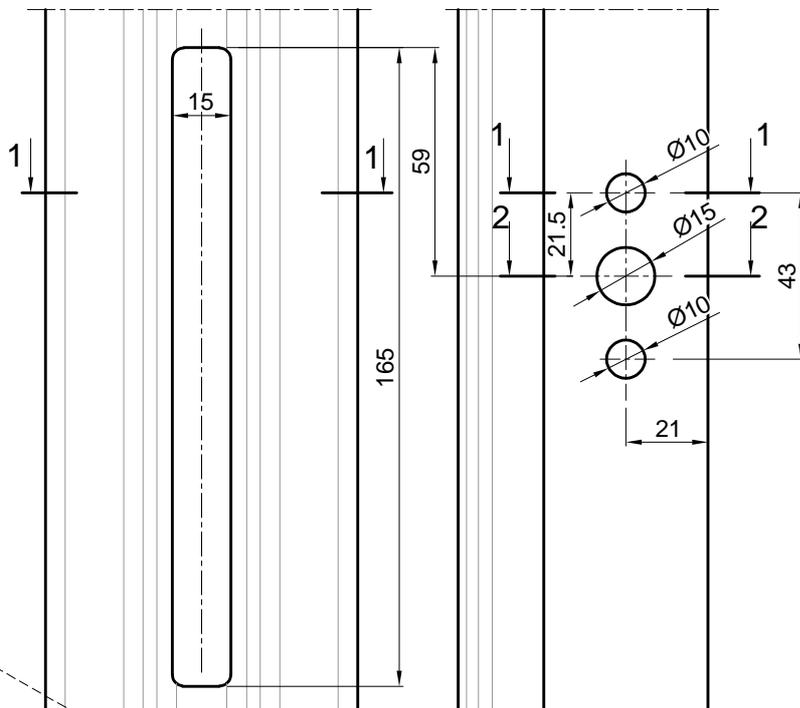
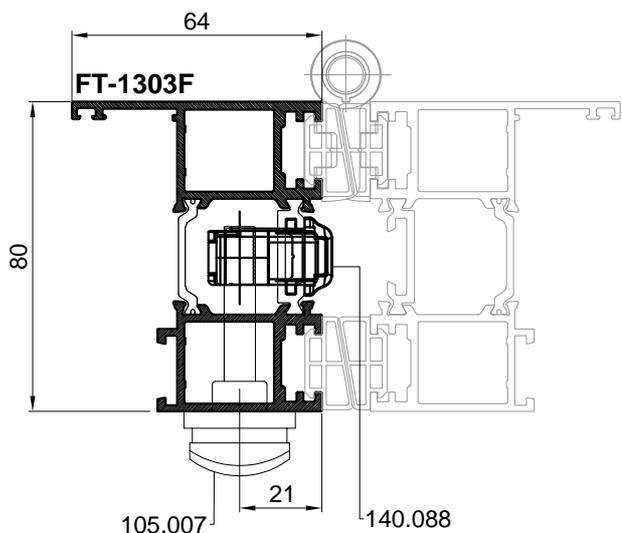


OBRADA PROFILA KRILA FT-1303F

- Za bravu 140.088, (Bing,Master), obrada vret. glodalom
- Za ručku 105.007, (Giese), obrada vretenastim glodalom

PROCESSING PROFILE SASH FT-1303F

- For the lock 140.088, (Bing, Master), process. with end mill
- For the handle 105.007, (Giese), processing with end mill

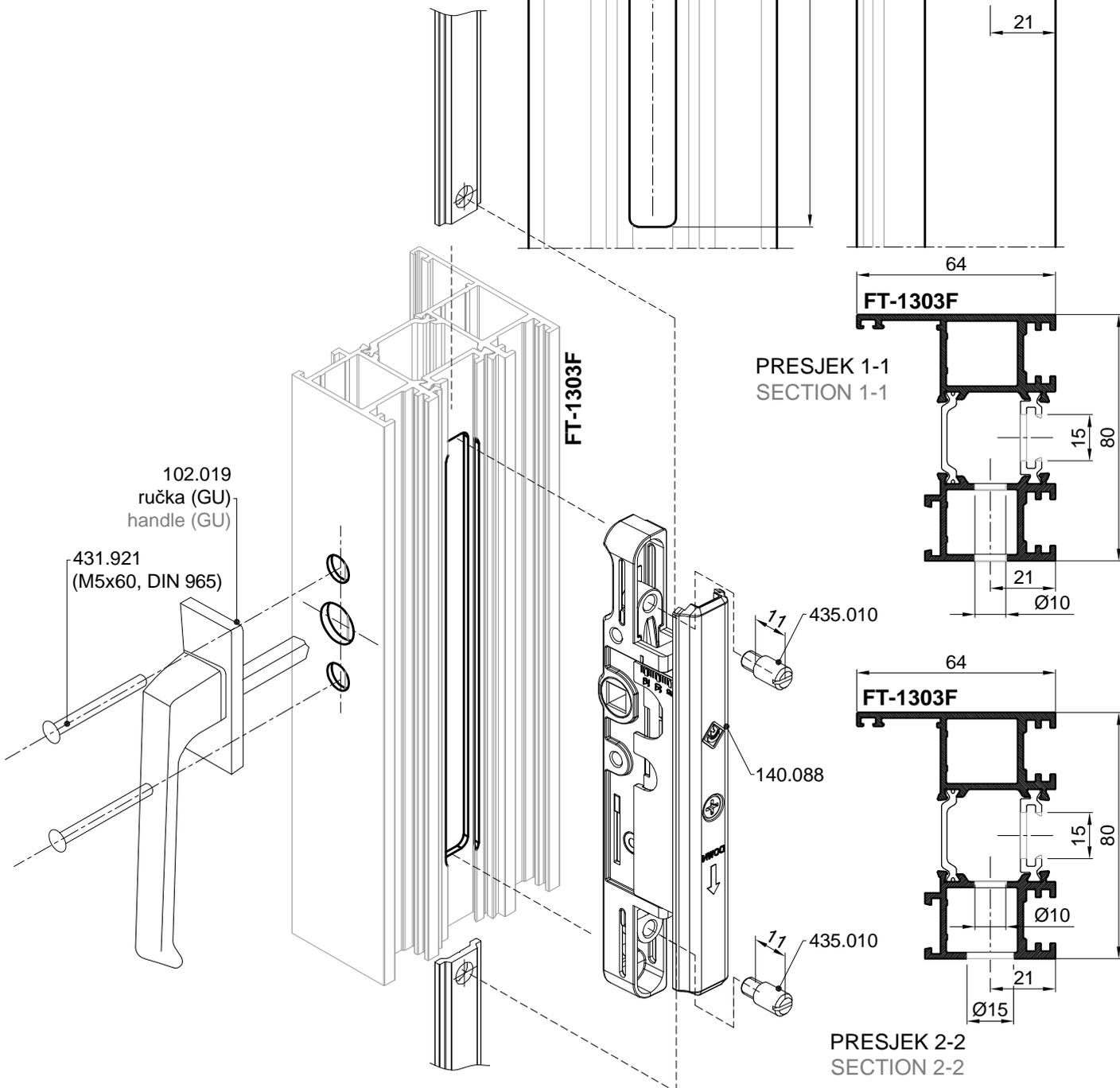
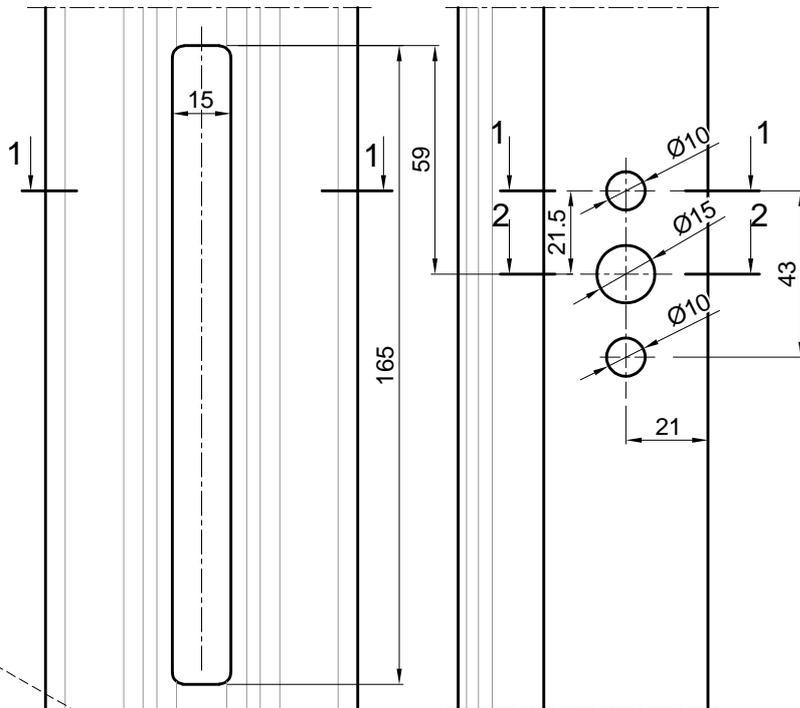
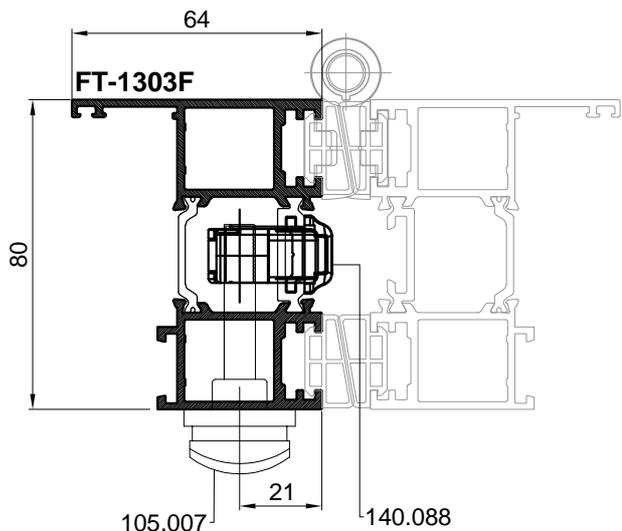


OBRADA PROFILA KRILA FT-1303F

- Za bravu 140.088, (Bing,Master), obrada vret. glodalom
- Za ručku 102.019, (GU), obrada vretenastim glodalom

PROCESSING PROFILE SASH FT-1303F

- For the lock 140.088, (Bing, Master), process. with end mill
- For the handle 102.019, (GU), processing with end mill



DETALJ SA OBOSTRANOM RUČKOM

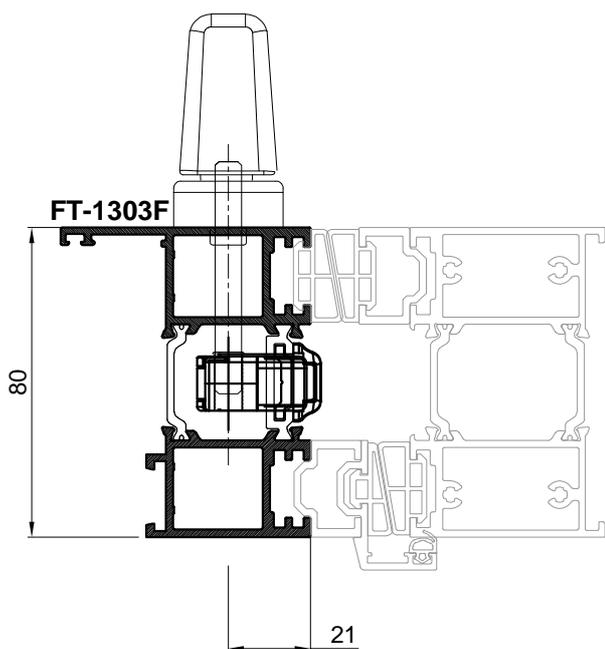
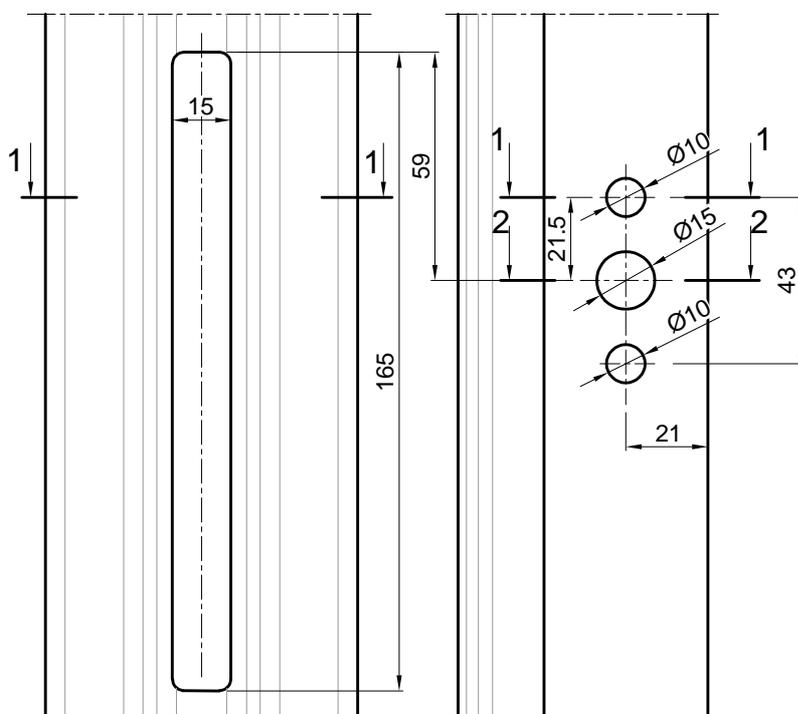
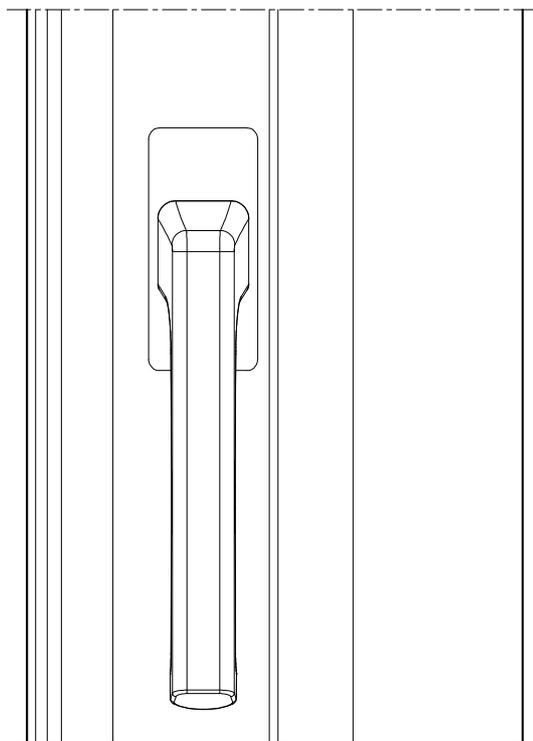
OBRADA PROFILA KRILA FT-1303F

- Za bravu 140.088, (Bing, Master), obrada vret. glodalom
- Za ručku 102.019, (GU), obrada vretenastim glodalom

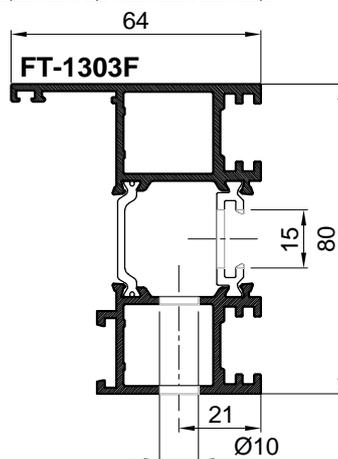
DETAIL WITH HANDLE ON BOTH SIDES

PROCESSING PROFILE SASH FT-1303F

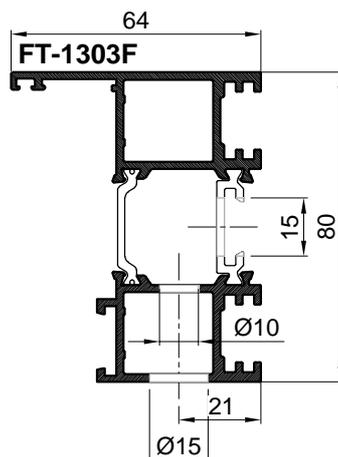
- For the lock 140.088, (Bing, Master), processing with end mill
- For the handle 102.019, (GU), processing with end mill



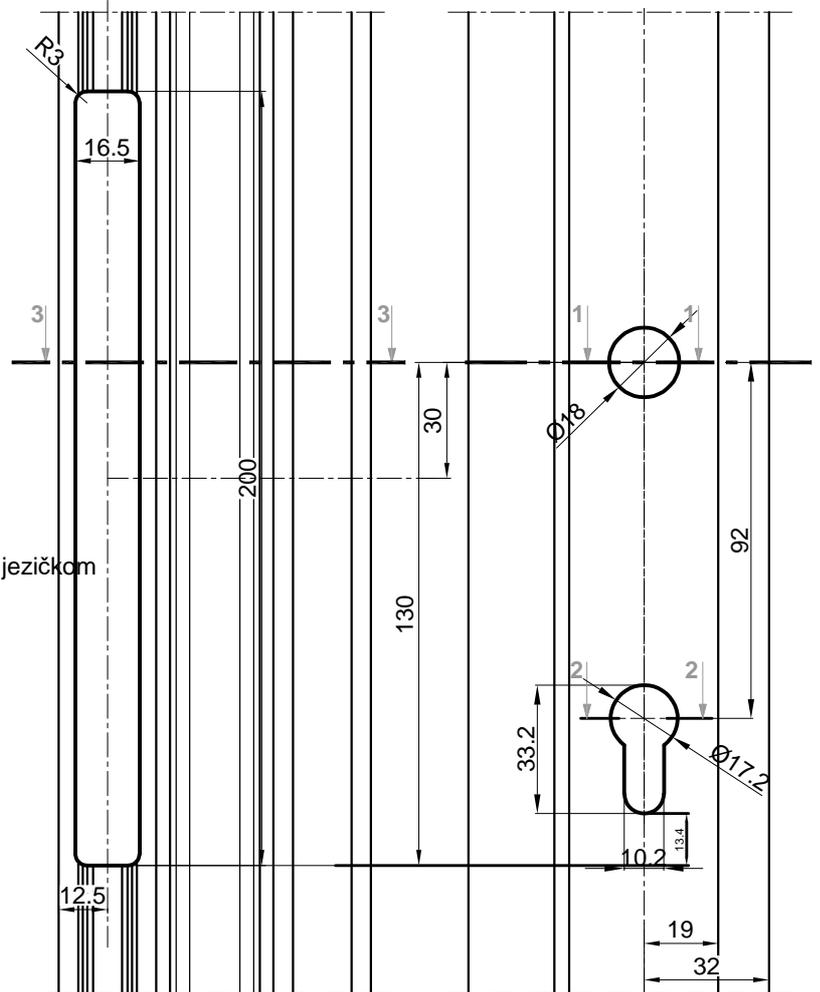
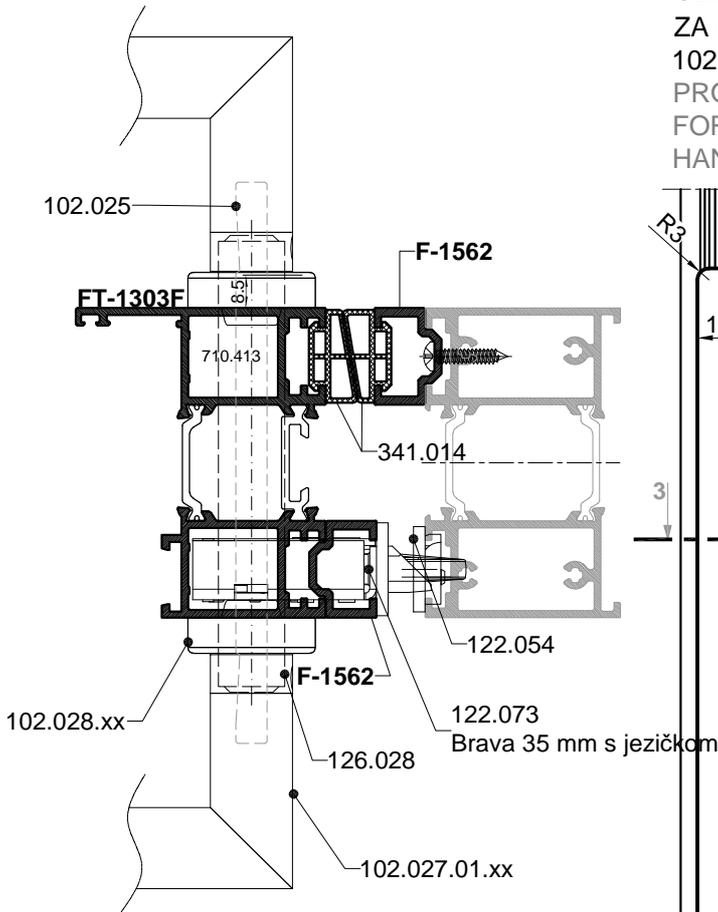
PRESJEK 1-1
SECTION 1-1



PRESJEK 2-2
SECTION 2-2

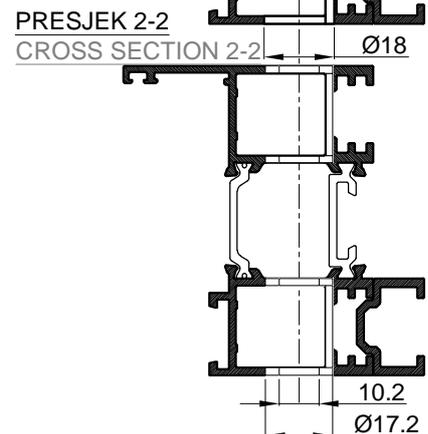
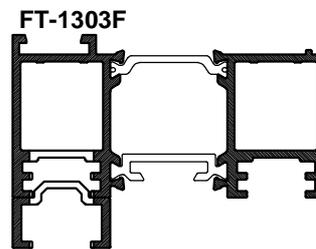
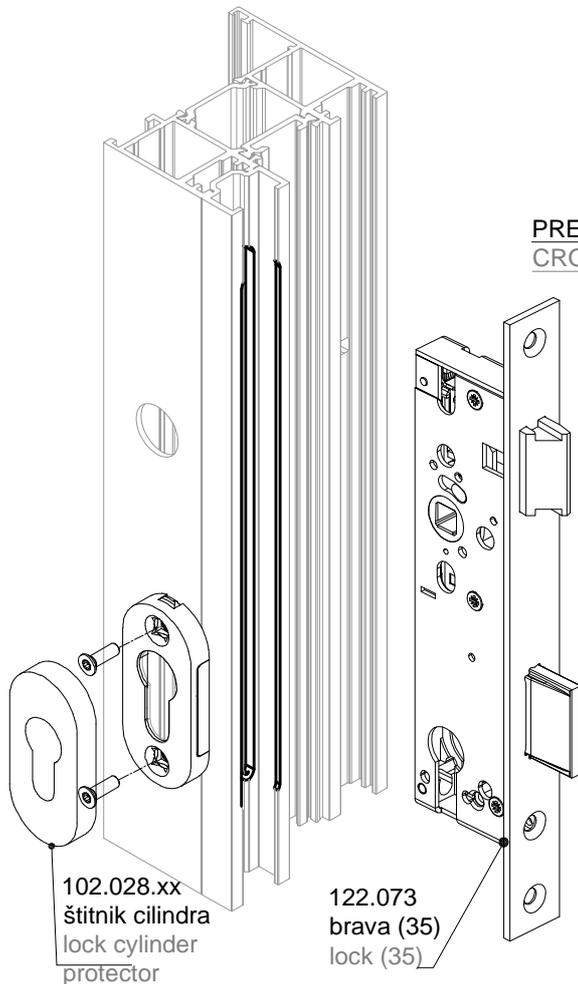


OBRADA PROFILA KRILA VRATA FT-1303 (otvaranje unutra)
ZA BRAVU S JEZIČKOM 122.073 (GU-BKS) I RUČKU
102.027.xx (GU-BKS)
PROCESSING OF DOOR LEAF PROFILE (inward opening)
FOR LOCK WITH LATCHBOLT 122.073 (GU-BKS) AND
HANDLE 102.027.xx (GU-BKS)

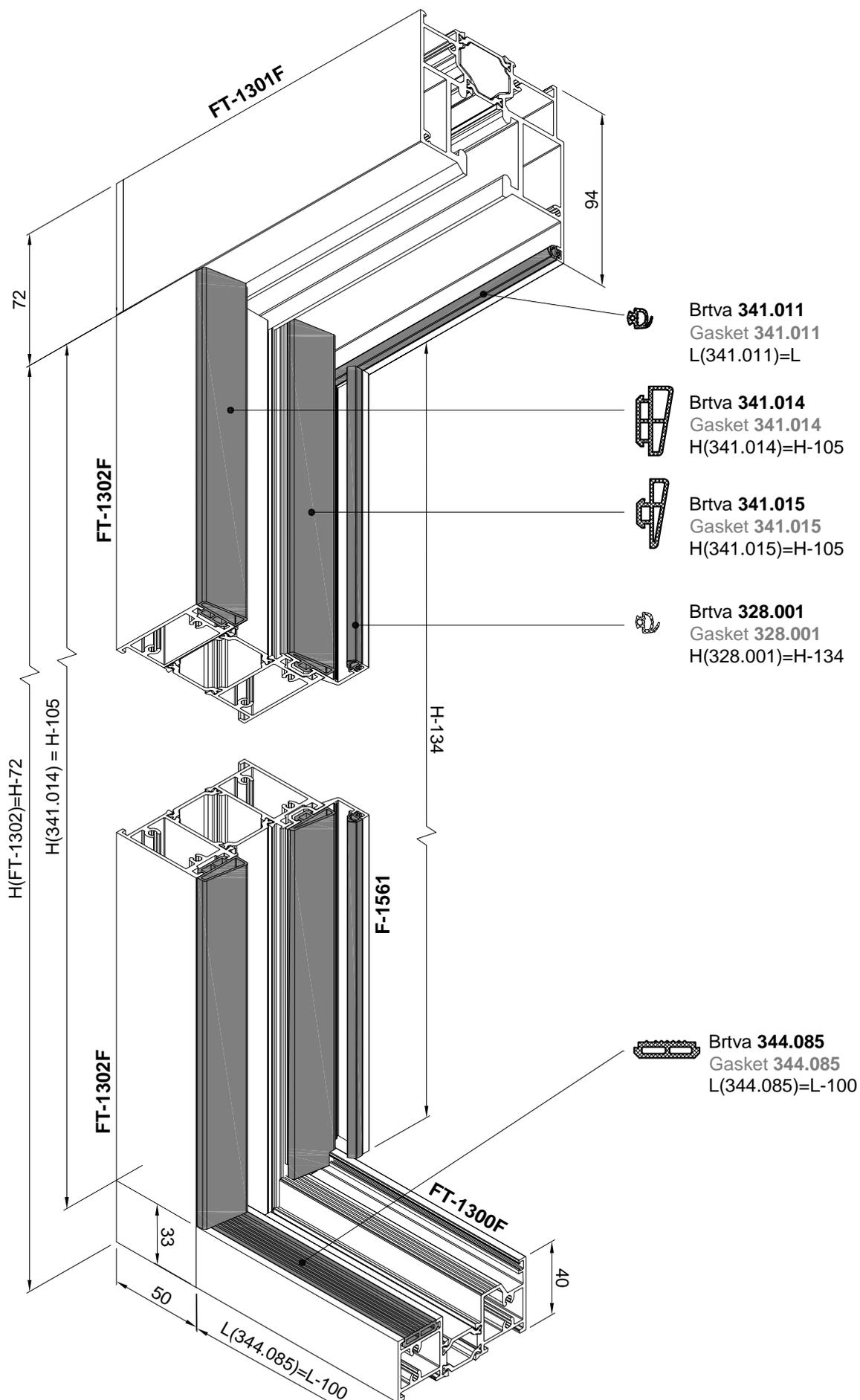


PRESJEK 3-3
CROSS SECTION 3-3

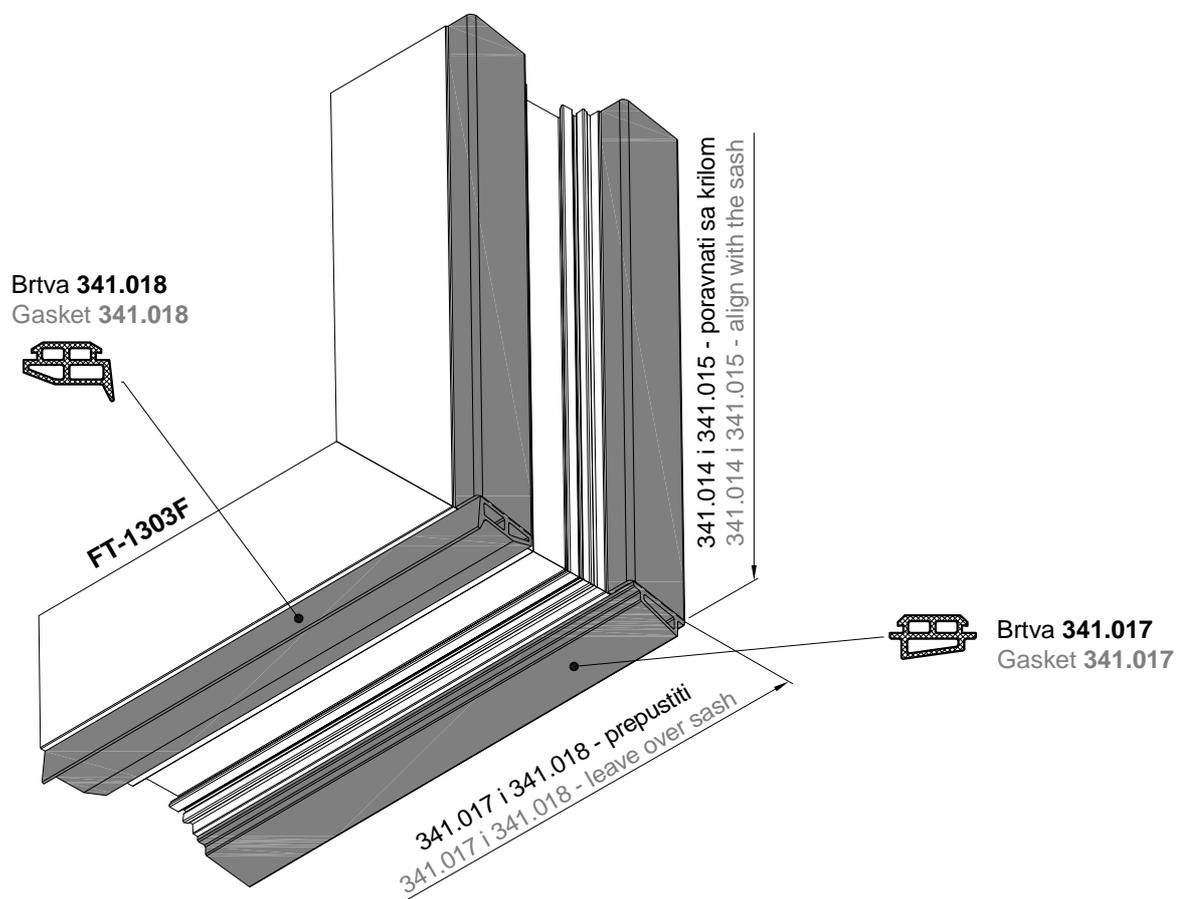
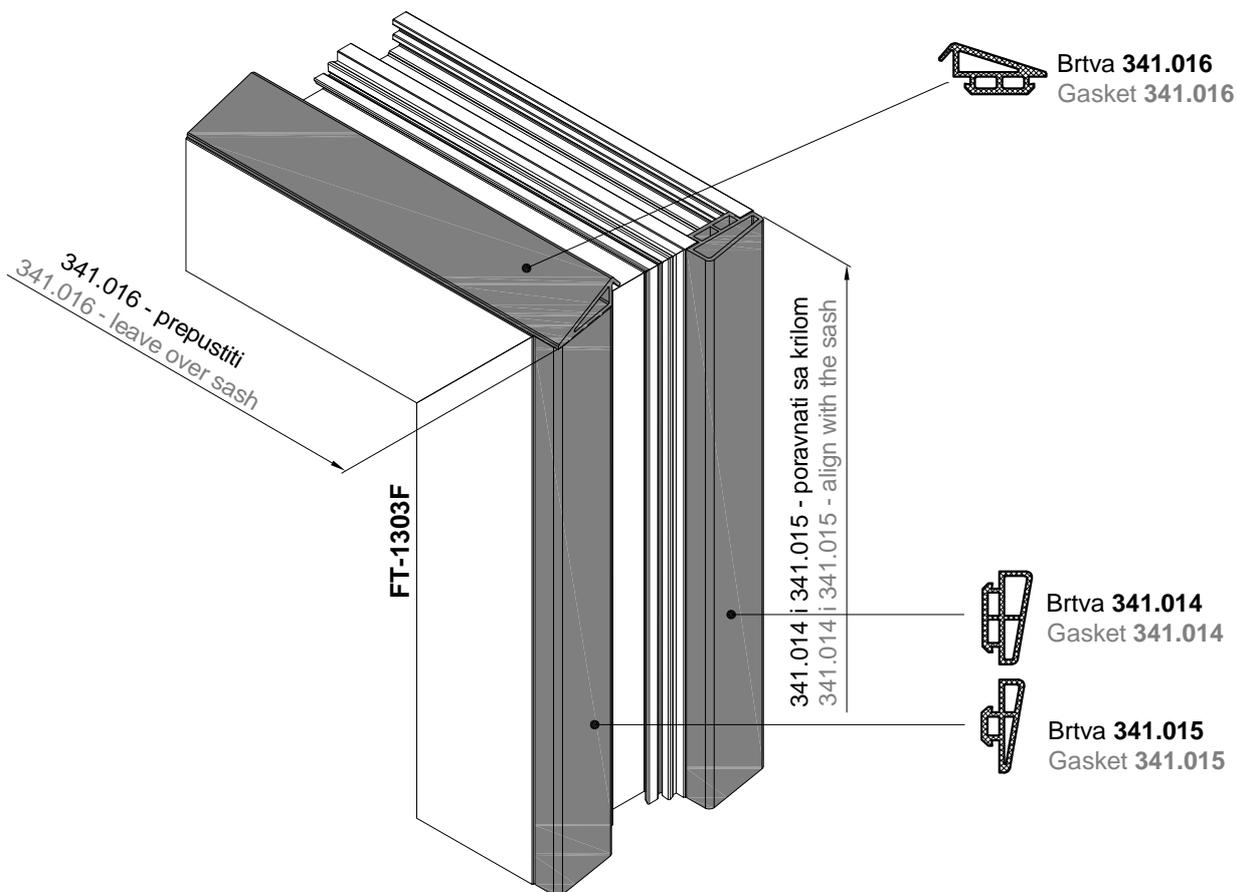
PRESJEK 1-1
CROSS SECTION 1-1



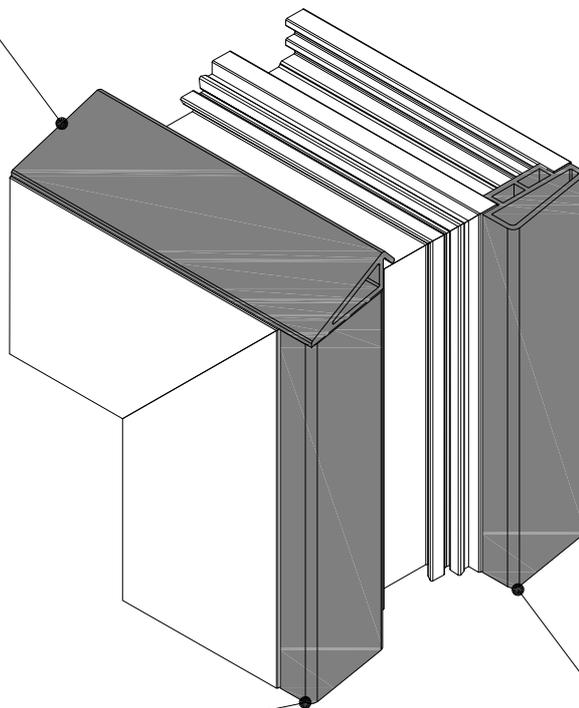
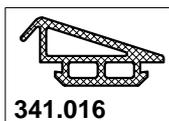
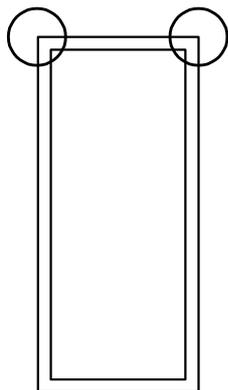
UGRADNJA BRTVI U OKVIR RAMA MOUNTING GASKETS IN FRAME PROFILE



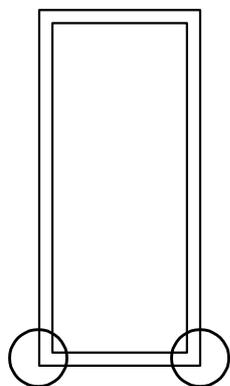
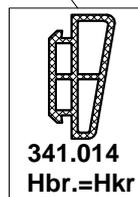
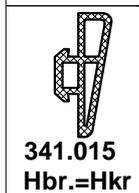
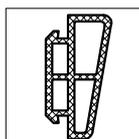
UGRADNJA BRTVI U OKVIR KRILA MOUNTING GASKETS IN SASH PROFILE



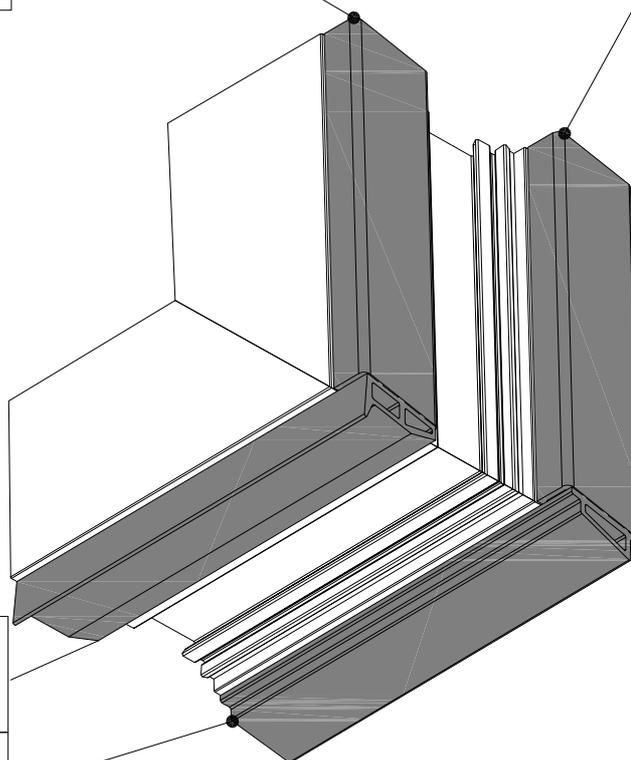
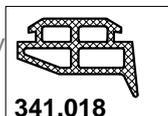
UGRADNJA BRTVI U OKVIR KRILA MOUTING GASKETS IN SASH PROFILE



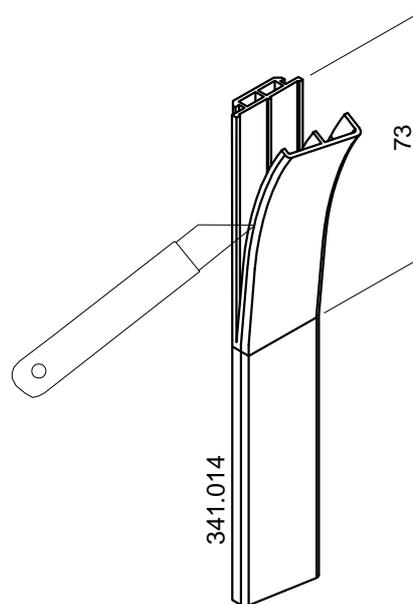
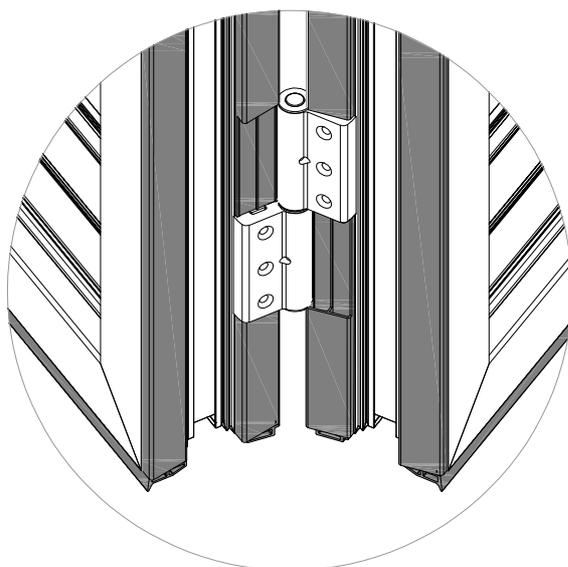
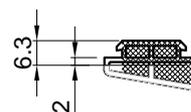
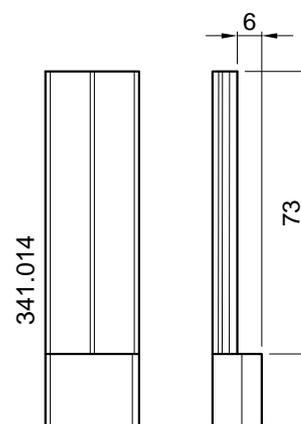
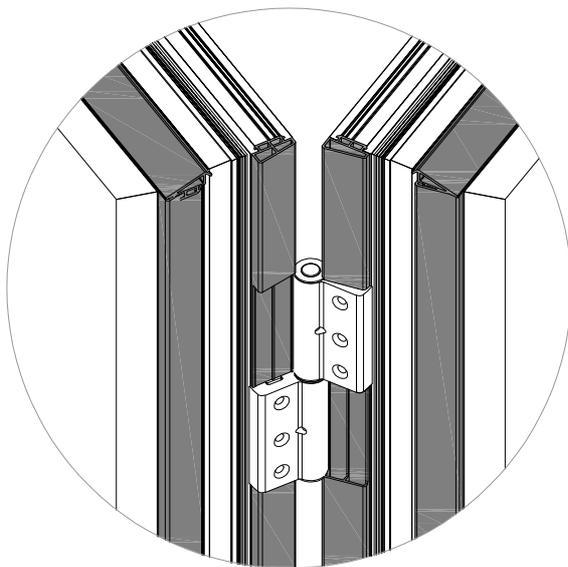
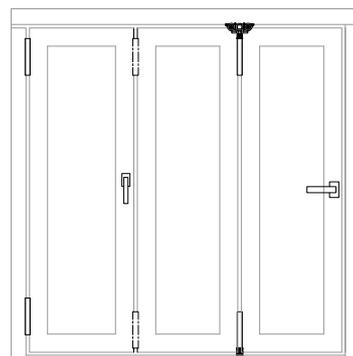
- okomite brtve (341.014 i 341.015) se režu prema visini krila
- vodoravna brtva (341.016) se prepušta preko okomite brtve prateći njenu konturu
- spoj brtvi se lijepi ljepljivom za brtve
- the vertical gaskets (341.014 and 341.015) is cut in according to the sash height
- the horizontal gasket (341.016) is left over the vertical gasket by following its contour
- the joint of the gasket is sticking with glues for gasket



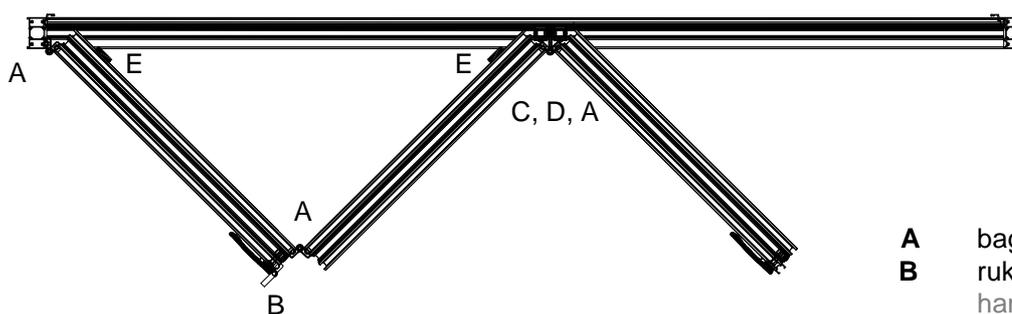
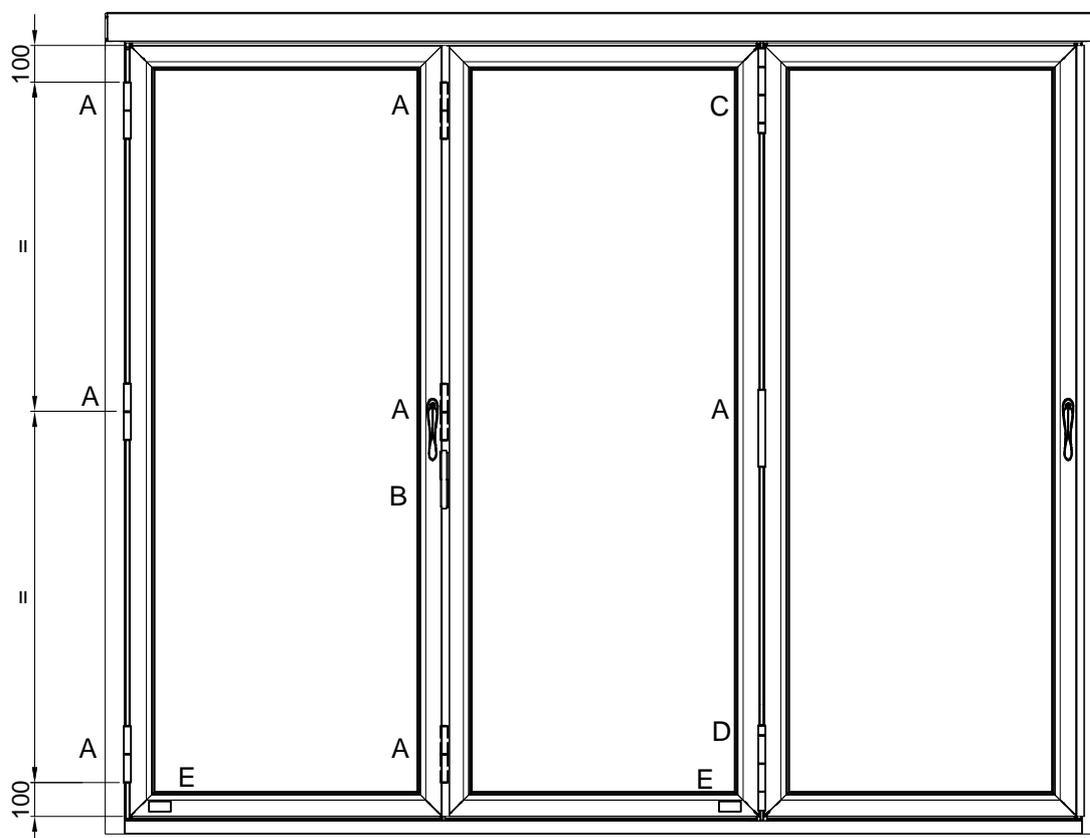
- okomite brtve (341.014 i 341.015) se režu prema visini krila
- vodoravne brtve (341.017 i 341.018) se prepuštaju preko okomite brtve prateći njenu konturu
- spoj brtvi se lijepi ljepljivom za brtve
- the vertical gaskets (341.014 and 341.015) is cut in according to the sash height
- the horizontal gaskets (341.017 and 341.018) are left over the vertical gasket by following its contour
- the joint of the gasket is sticking with glues for gasket



ISJECANJE BRTVE NA MJESTU BAGLAMA CUTTING GASKETS IN THE HINGE POSITION



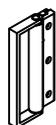
RASPORED MEHANIZAMA ZA OTVARANJE
OTVARANJE UNUTRA
SCHEDULE MECHANISM FOR OPENING
INSIDE OPENING



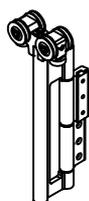
- A** baglama hinge
- B** rukohvat
handrail
- C** mehanizam gornje
vodilice
mechanism of upper
guide
- D** mehanizam donje
pratilice
mechanism of lower
guide
- E** graničnik krila
sash stopper



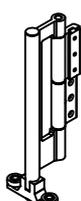
A-111.024



B-111.026



C-111.022

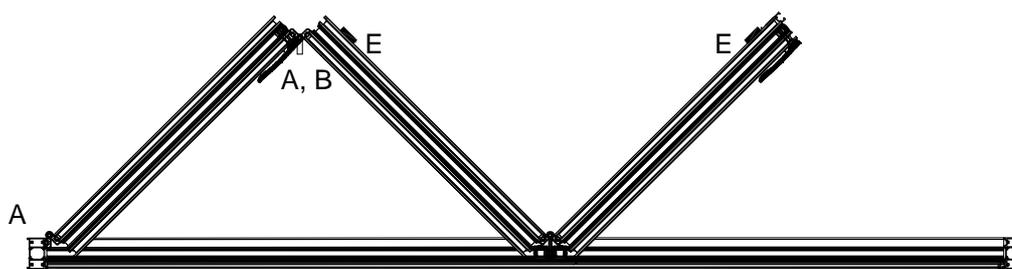
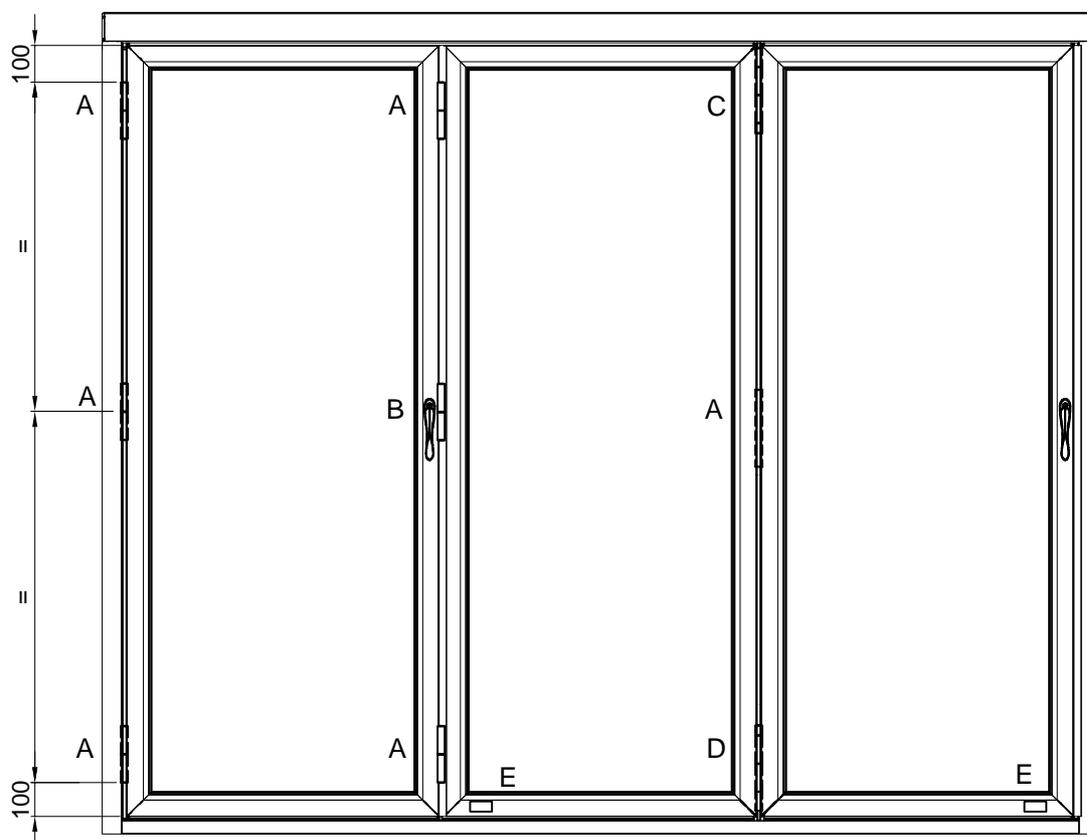


D-111.023



E-140.081

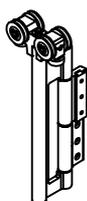
RASPORED MEHANIZAMA ZA OTVARANJE
OTVARANJE VANI
SCHEDULE MECHANISM FOR OPENING
OUTSIDE OPENING



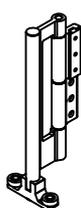
A-111.024



B-111.025



C-111.022



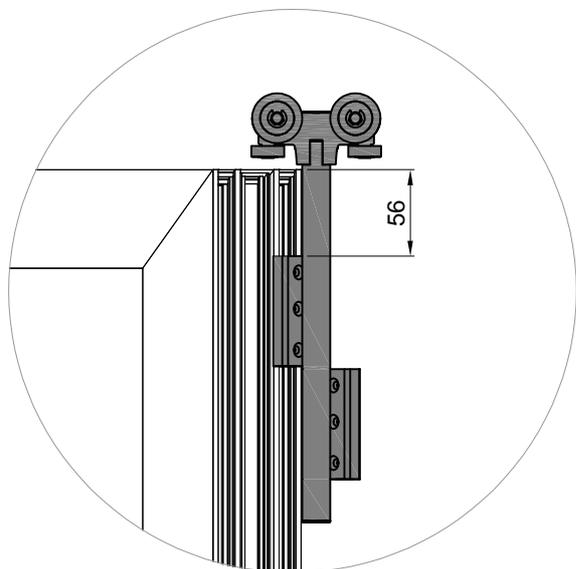
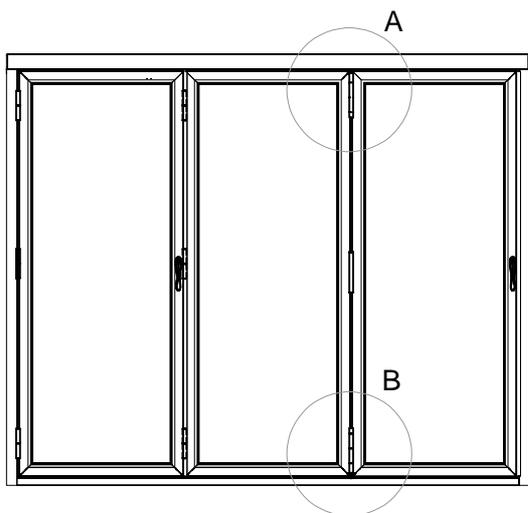
D-111.023



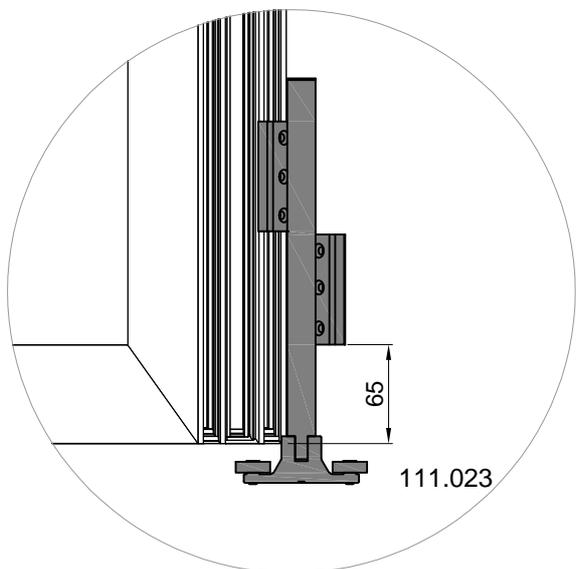
E-140.081

- A** baglama
hinge
- B** rukohvat sa baglamom
handrail with hinge
- C** mehanizam gornje
vodilice
upper guide
mechanism
- D** mehanizam donje
pratilice
lower guide
mechanism
- E** graničnik krila
sash stopper

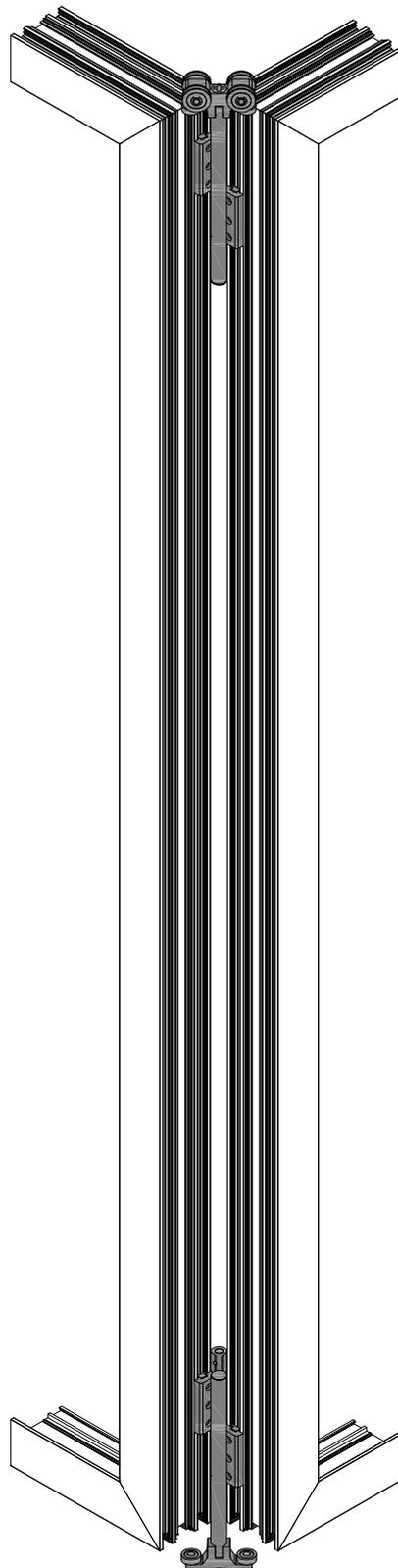
DETALJ UGRADNJE GORNJEG I DONJEG MEHANIZMA DETAIL INSTALATION UPPER AND LOWER MECHANISM



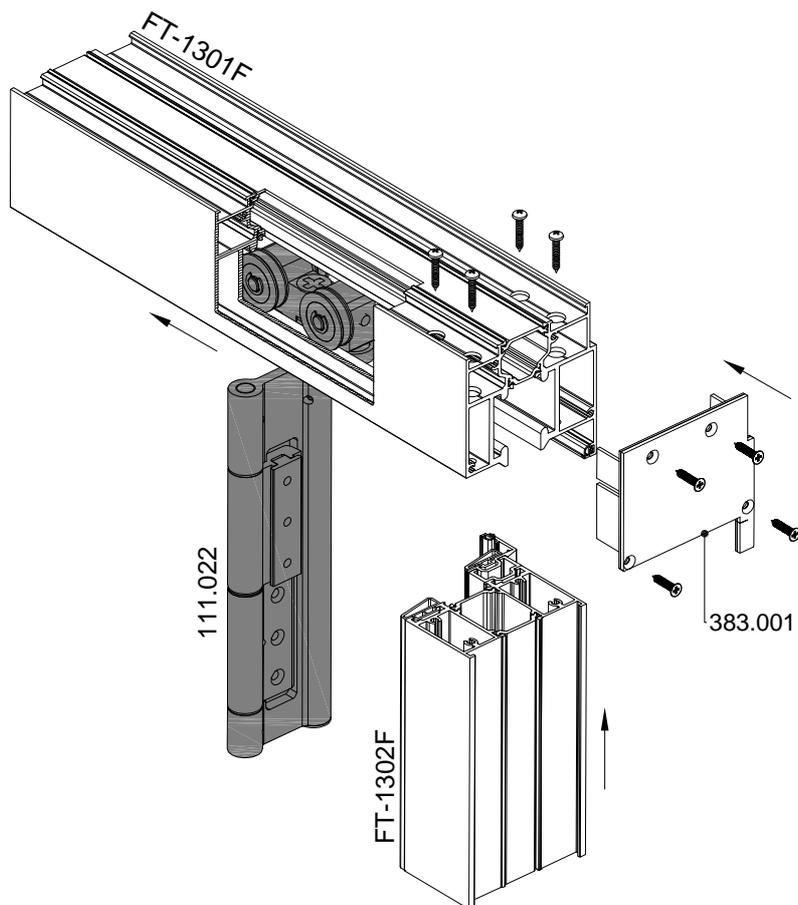
Detalj A
Detail A



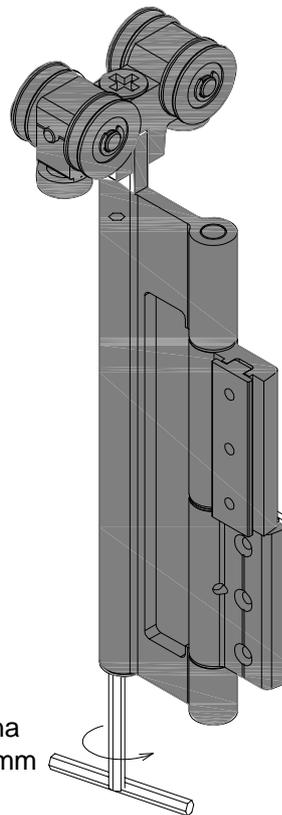
Detalj B
Detail B



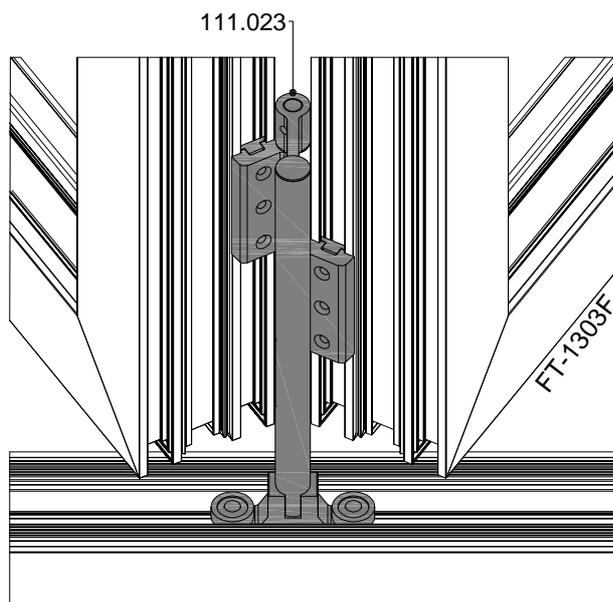
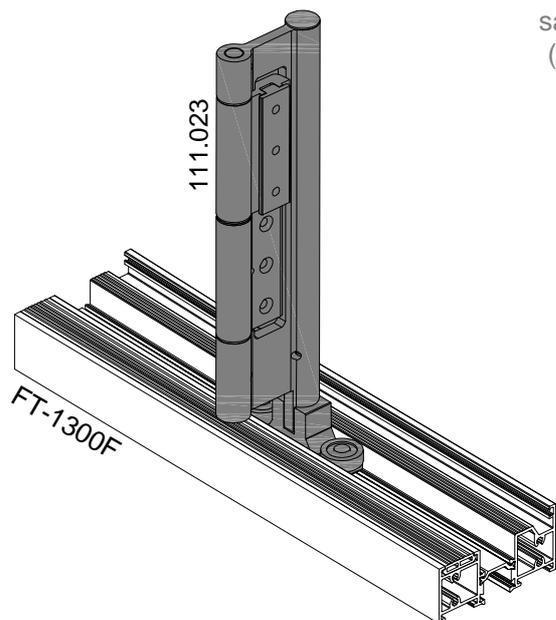
DETALJ UGRADNJE GORNJEG I DONJEG MEHANIZMA DETAIL INSTALATION UPPER AND LOWER MECHANISM



Mehanizam gornje vodilice 111.022 se umeće u vodilicu prije njenog sastavljanja u okvir .
Mechanism of the rapid upper hinge 111.022 is insert into the upper guide rail before it is assembled into the frame



Podešavanje visine krila na kolicima imbus ključem 5mm (-/+ 5mm)
Adjustment height of the sash with allen wrench 5mm (-/+ 5)



Mehanizam donje pratilice 111.023 se umeće zajedno s okvirima krila.
Mechanism of the rapid lower hinge 111.023 is insert as along with frame of the sash

DETALJ UGRADNJE KONTRAPLOČICA 391.154 i 391.158

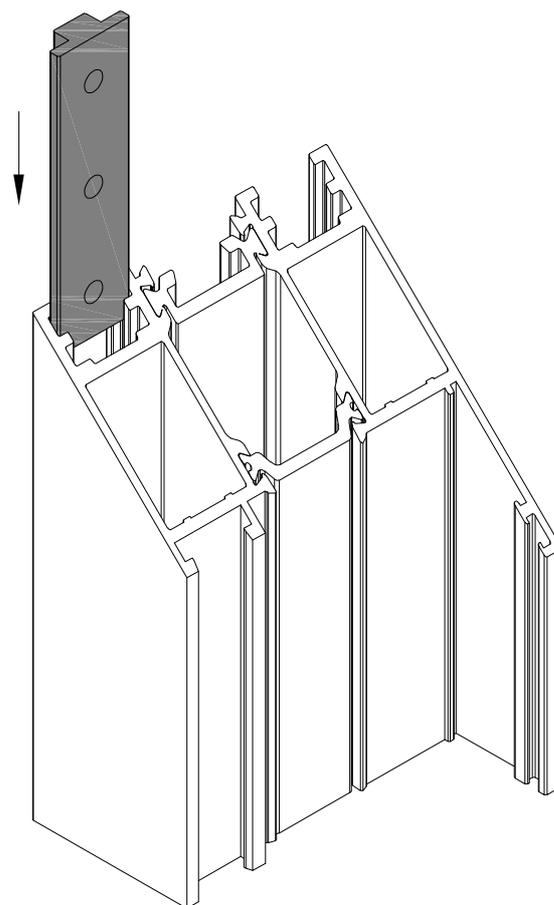
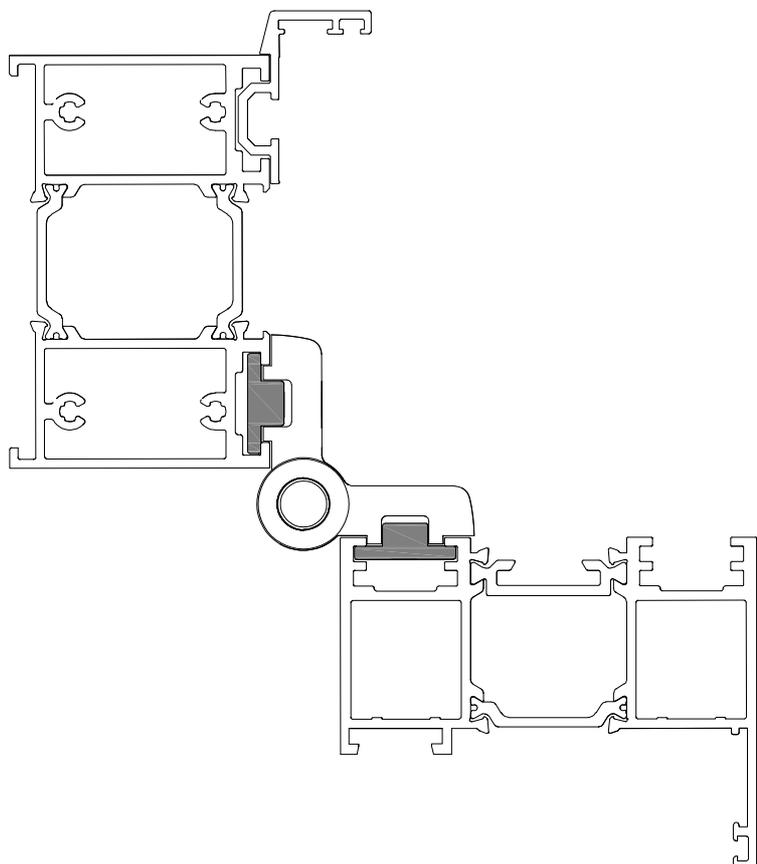
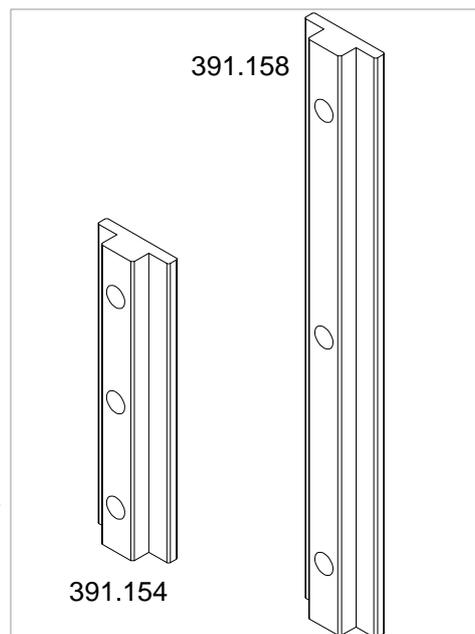
-Prije sastavljanja okvira rama i okvira prozora u za to predviđeni žlijeb umetnuti odgovarajući broj kontrapločica.

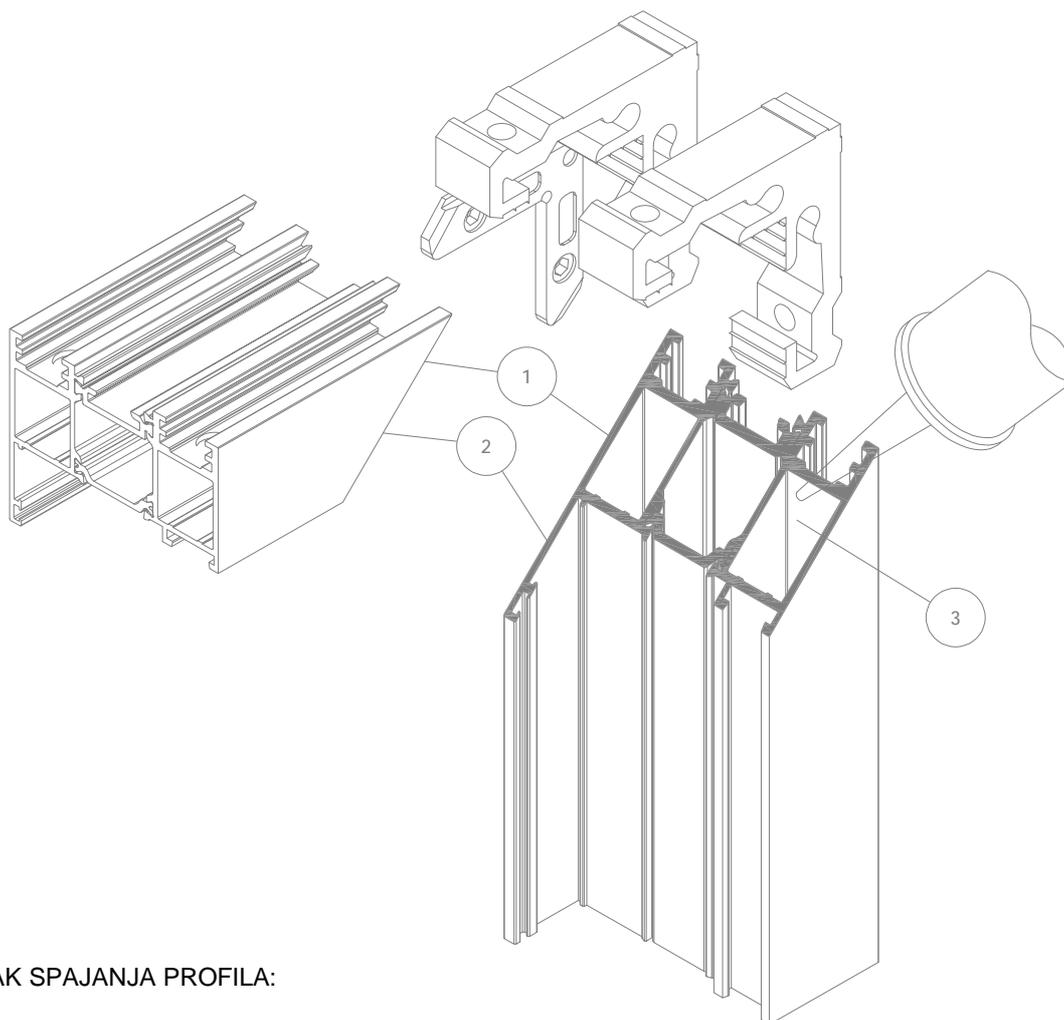
-Kontrapločice su sastavni dijelovi baglama ,rukohvata i mehanizama gornje vodilice i donje pratilice.

DETAIL OF INSTALLATION OF THE CONS PLATE 391.154 i 391.158

-Before assembling the frame and window frame into the provided groove, insert the appropriate number of cons plates.

-The cons plate are integral parts of the hinges, handrails and mechanisms of the rapid upper hinge and the rapid lower hinge.



SPAJANJE PROFILA KUTNICIMA POD 90°
CONNECTING PROFILE WITH BRACKET AT ANGLE 90°

POSTUPAK SPAJANJA PROFILA:

1. Površine koje se spajaju-rezove očistiti i odmastiti prikladnim sredstvom /npr.Sika Remover 208; Wurth-kat.br.:892 130 30/.
2. Premazati površine koje se spajaju ljepilom za metal /npr. Sika Force 7851; Wurth-kat.br.:892 130 010/.
3. Ljepilo za metal ušpricati u komore za kutnik (po opsegu komore)
4. Profile s kutnicima izravnati i spojiti
5. Dio ljepila koji iscure između rezova očistiti sredstvom za čišćenje i odmaščivanje /npr.Sika Remover 208; Wurth-kat.br.:892 130 30/.

NAPOMENA:

Ovaj postupak spajanja profila primjenjiv je za sve Feal-ove kutnike i njima odgovarajuće komore. Lijepljenjem rezova i kutnika ljepilima za metal osigurava se potrebna zrako- i vodonepropusnosti spoja kao i dodatna mehanička čvrstoća spoja.

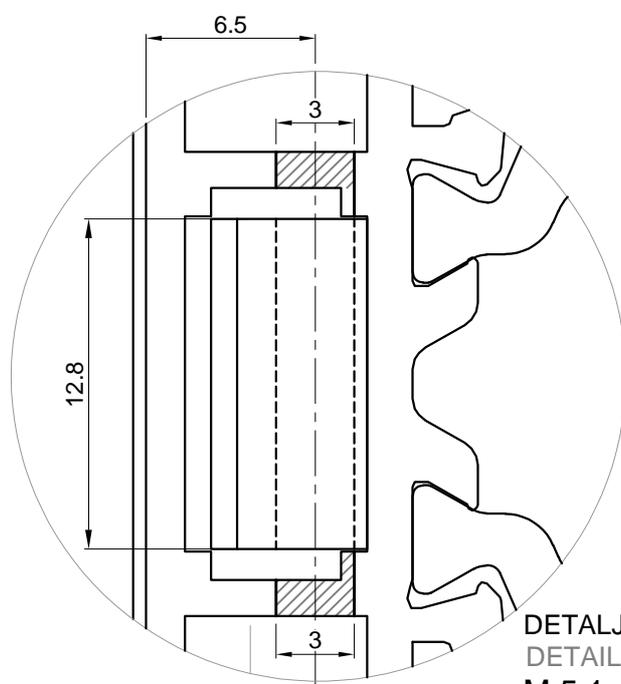
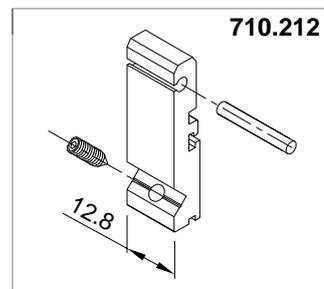
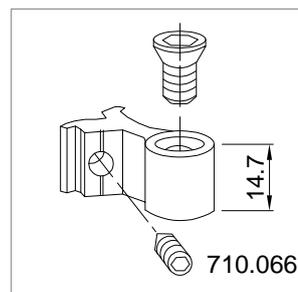
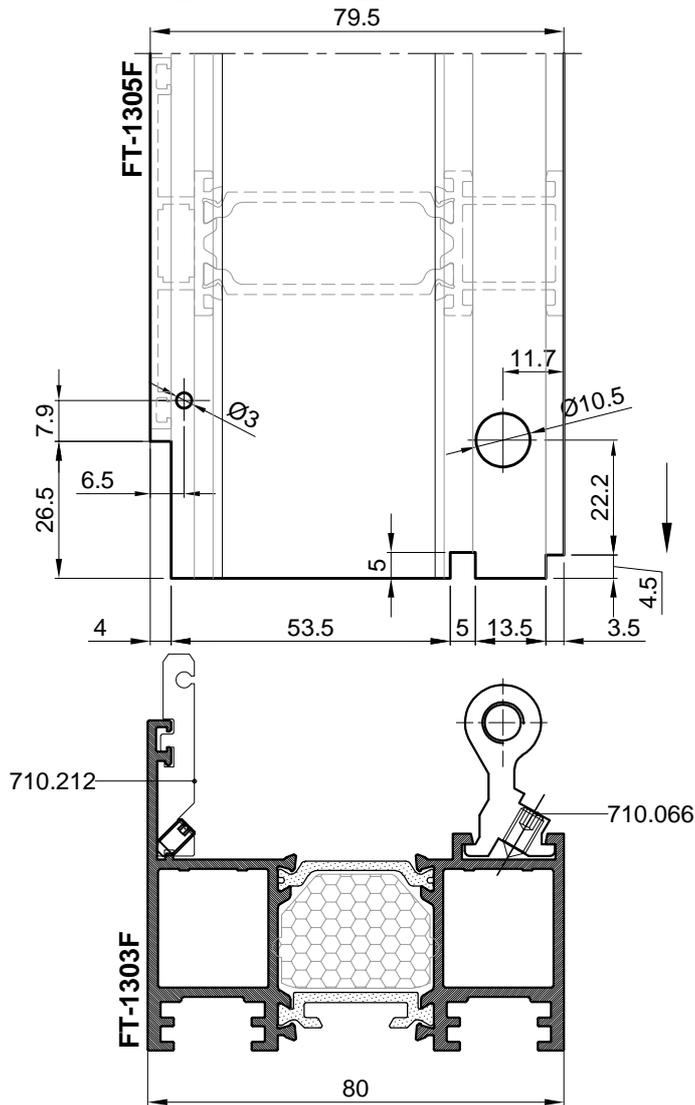
PROFILE CONNECTION PROCEDURE:

1. Surfaces that are connecting - clean and degreased the cut with suitable products /e.g. Sika Remover 208; Wurth-kat. no.:892 130 30/.
2. Smear surfaces that are connecting with metal glue /e.g. Sika Force 7851; Wurth-kat.no.:892 130 010/.
3. Spurt metal glue into chambers for the corner bracket (on chamber circumference)
4. Level profiles with corner brackets and connect
5. Leaking glue that comes from the joints remove with ceaning nad degrease product /e.g. Sika Remover 208; Wurth-kat.no.:892 130 30/.

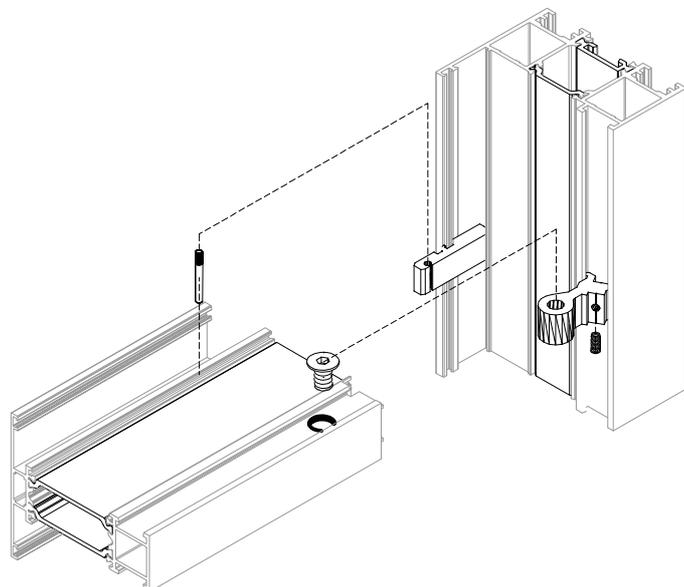
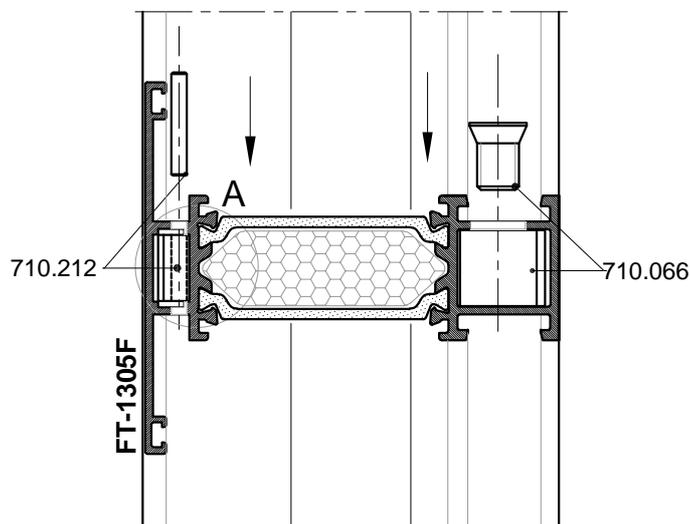
REMARK:

This profile connection procedure is applicable for all Feal corner brackets and their appropriate chambers. Gluing cuts and corners with metal glues provides necessary air and water tightness of the joint nad additional mechanical properties.

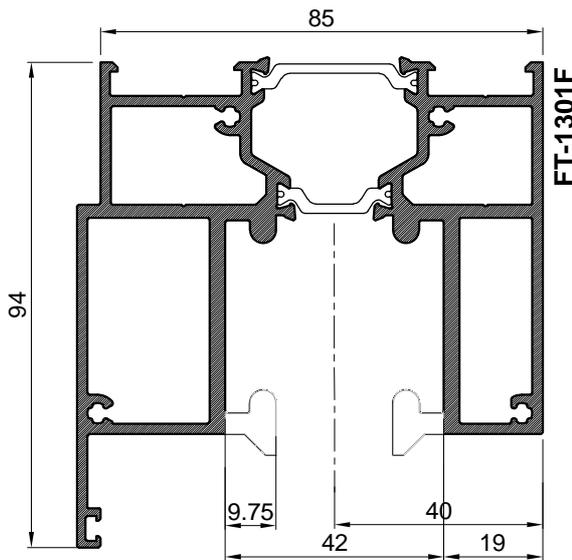
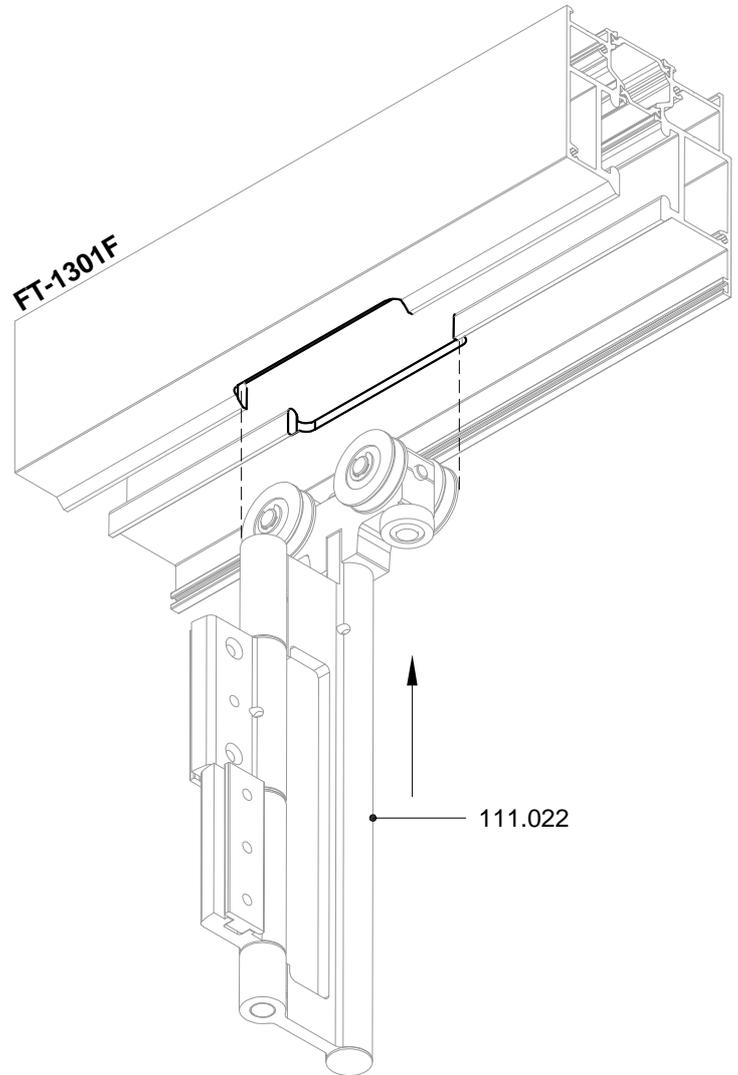
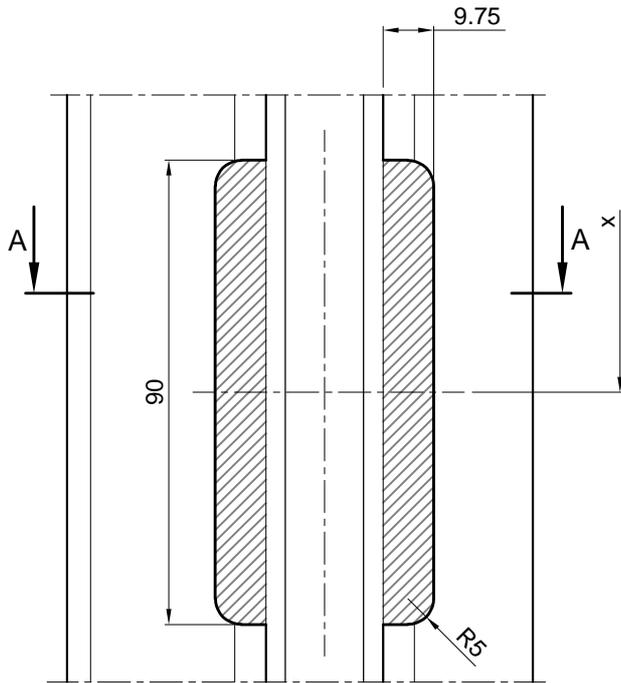
SPAJANJE PROFILA FT-1303F I FT-1305F VEZNICIMA CONNECTION PROFILE FT-1303F AND FT-1305F WITH CONNECTORS



DETALJ A
DETAIL A
M 5:1

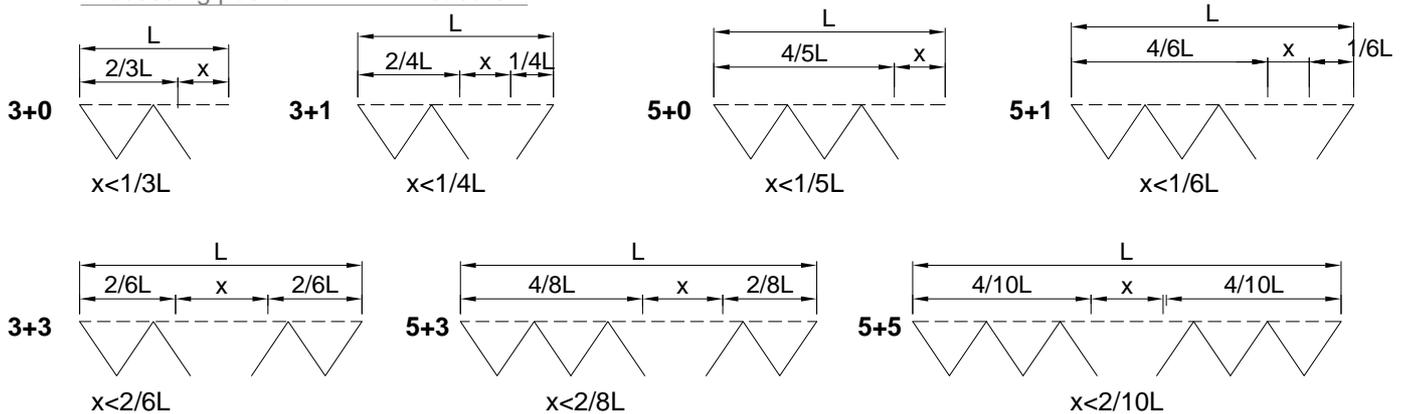


Obrada profila FT-1301F (profil gornje vodilice) za izmjenu mehanizma gornje vodilice 111.022
Processing of the FT-1301F profile (upper guide profile) for changing the upper guide mechanism 111.022

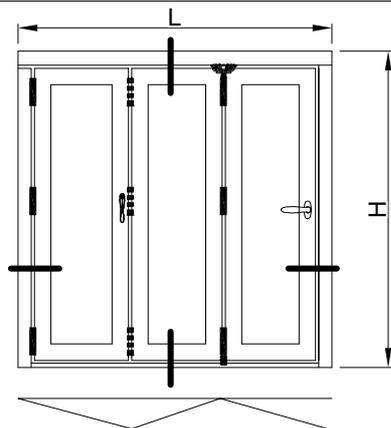


Detalj A--A

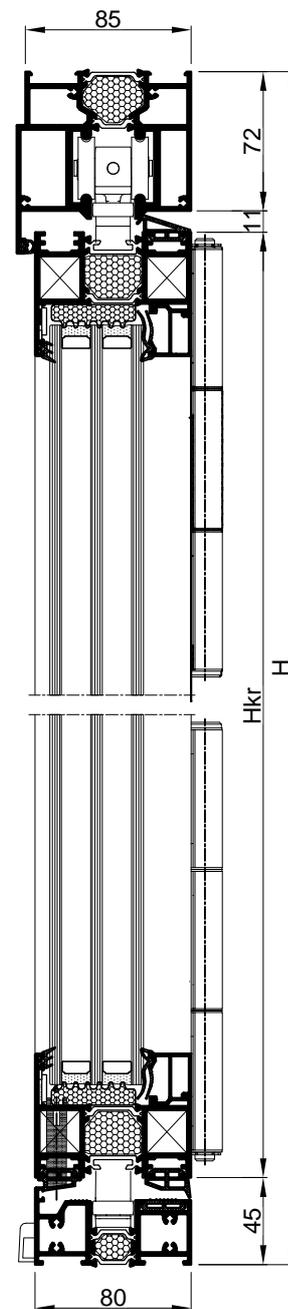
Položaj obrade - unutar mjere x
Processing position - within measure x



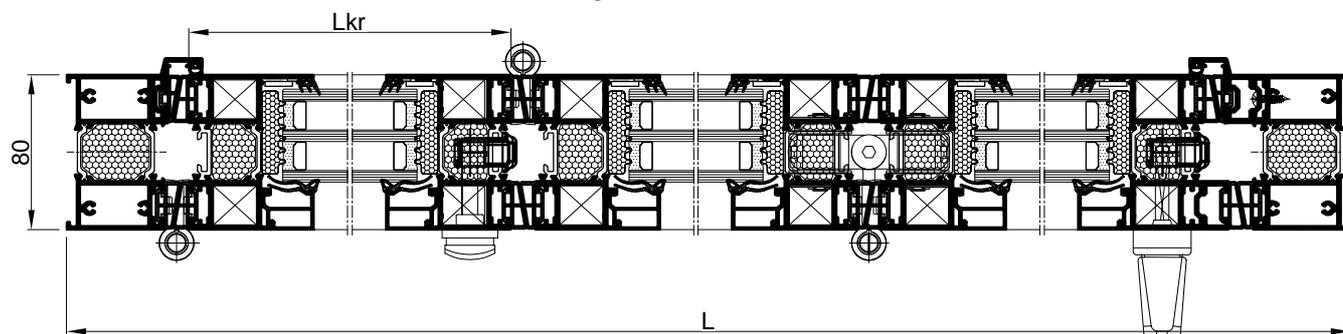
Rezne liste
Cutting lists

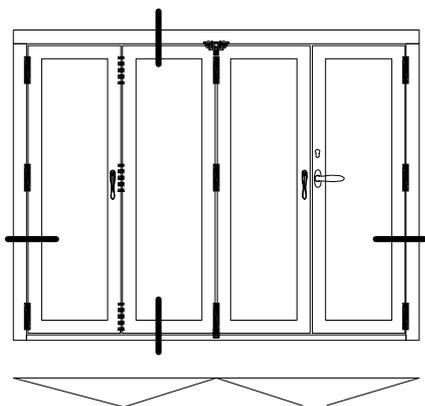


HARMO OTVARANJE 3+0
OTVARANJE UNUTRA
HARMO OPENING 3+0
INSIDE OPENING



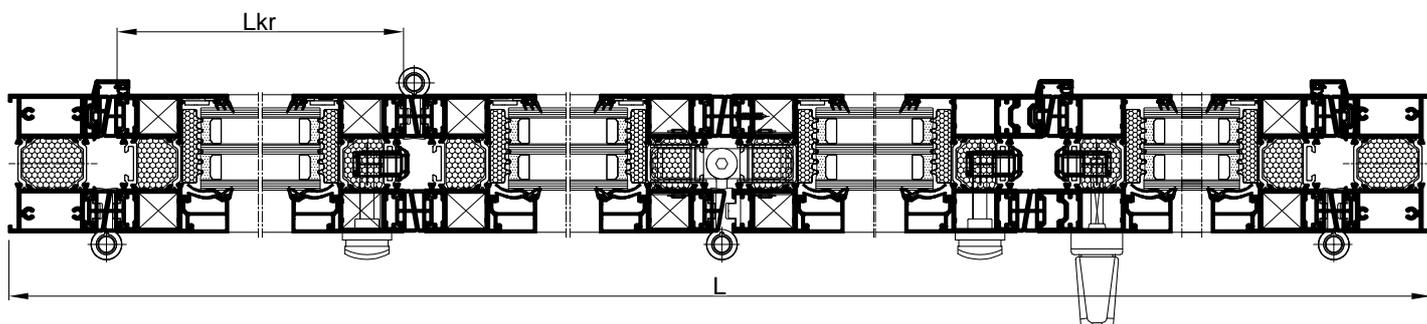
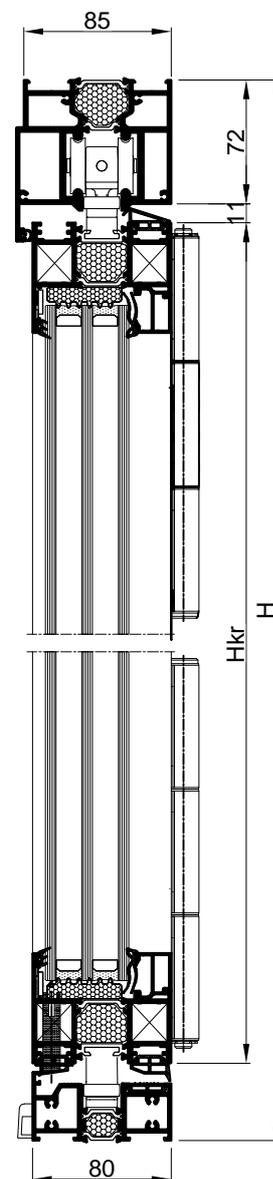
| Profil Profile | opis description | | kom pcs | mjera measure | pilanje cutting |
|----------------------------------|-------------------------------------|--------------------------------------|---------|-----------------|-----------------|
| FT-1300F | vodor.rama-dolje | horiz.frame-lower | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | horiz.frame-upper | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | mullion frame | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | transom of sash | 6 | Lkr=L/3-54 | 45-45 |
| FT-1303F | okomiti profil krila | mullion of sash | 6 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | auxiliary profile on sash | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | auxiliary profile on frame | 1 | H-108 | 90-90 |
| F-1561 | maska rama | mask frame | 2 | H-108 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | horizontal bead (20.5 mm) | 6 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | vertical bead (20.5 mm) | 6 | Hkr-128 | 90-90 |
| F-1584 | klizač | slider | 2 | Hkr | 90-90 |
| Vezni elementi Conn. elements | | opis description | kom pcs | | |
| 710.413 | kutna spojnica krila | sash corner bracket | 24 | | |
| 731.010 | pomoćni kutnik krila | auxiliary sash corner bracket | 12 | | |
| 383.001 | bočni poklopac za FT-1301F | side cover for FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | drainage -Monodrain | 6 | | |
| 373.003 | maska za drenažni otvor | drainage hole mask | 2 | | |
| 363.069 | umetak za F-1561 | insert for F-1561 | 1 | | |
| 111.024 | baglame | hinges | 7 | | |
| 111.026 | rukohvat | handrail | 1 | | |
| 111.022 | mehanizam gornje vodilice | upper guide mechanism | 1 | | |
| 111.023 | mehanizam donje pratilice | lower guide mechanism | 1 | | |
| 140.088 | brava | lock | 2 | | |
| 105.007 | ručka za bravu | handle for lock | 1 | | |
| 383.002 | zapinjač u profilu FT-1303F | rod end in profile FT-1303F | 4 | | |
| 100.017 | ručka za bravu (Roto) | handle for lock (Roto) | 1 | | |
| 140.081 | graničnik krila | sash stopper | 2 | | |
| Brtve Gaskets | | opis description | | mjera measure | |
| 341.011 | brtva u g. vodilici, prema krilu | gasket in up. guide, towards sash | | L | |
| 321.001 | brtva u profilu F-1561 | gasket in profile F-1561 | | 2H | |
| 341.014 | brtva na spoju, okomita | gasket on joint, vertical | | 14H | |
| 341.015 | brtva na spoju, okomita(maska) | gasket on joint, vertical(mask) | | 2H | |
| 344.085 | brtva u žlijebu donje vodilice | seal in groove of the lower guide | | L | |
| 341.016 | brtva krila prema gornjoj vodilici | sash seal towards upper guide | | L | |
| 341.017 | brtva krila prema d. vodilici,vani | sash seal towards l. guide, exterior | | L | |
| 341.018 | brtva krila prema d.vodilici,unutra | sash seal towards l. guide, interior | | L | |
| 328.002 | brtva za stakljenje, vanjska | gasket for glazing, exterior | | 2L+6H | |
| 311.003 | brtva za stakljenje, unutarnja | gasket for glazing, interior | | 2L+6H | |
| Staklo Glass | | opis description | | mjera measure | |
| 48 mm | IZO staklo | Insulation glass | 3 | Lkr-98 x Hkr-98 | |

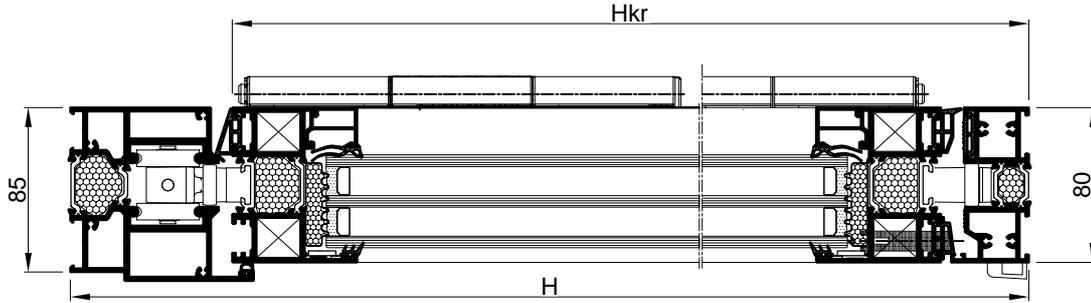




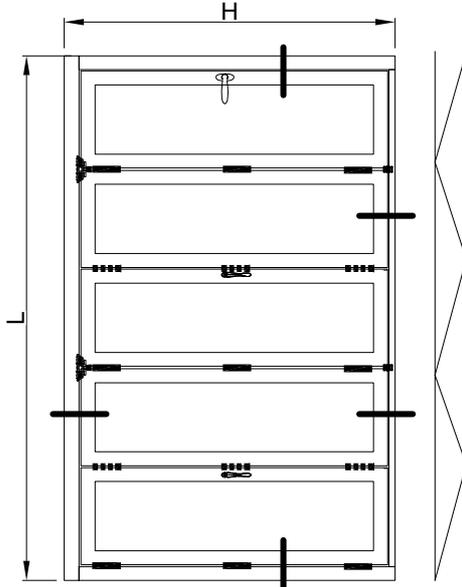
HARMO OTVARANJE 3+1
OTVARANJE UNUTRA
HARMO OPENING 3+1
INSIDE OPENING

| Profil Profile | opis description | | kom pcs | mjera measure | pilanje cutting |
|---|-------------------------------------|--------------------------------------|----------------|----------------------|-----------------|
| FT-1300F | vodor.rama-dolje | horiz.frame-lower | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | horiz.frame-upper | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | mullion frame | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | transom of sash | 8 | Lkr=L/4-44 | 45-45 |
| FT-1303F | okomiti profil krila | mullion of sash | 8 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | auxiliary profile on sash | 2 | H-128 | 90-90 |
| F-1561 | maska rama | mask frame | 2 | H-108 | 90-90 |
| F-1561 | maska krila | mask sash | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | horizontal bead (20.5 mm) | 8 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | vertical bead (20.5 mm) | 8 | Hkr-128 | 90-90 |
| F-1584 | klizač | slider | 3 | Hkr | 90-90 |
| Vezni elementi Conn. elements | opis description | | kom pcs | | |
| 710.413 | kutna spojnica krila | sash corner bracket | 32 | | |
| 731.010 | pomoćni kutnik krila | auxiliary sash corner bracket | 16 | | |
| 383.001 | maska profila FT-1301F | mask profile FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | drainage -Monodrain | 8 | | |
| 373.003 | maska za drenažni otvor | drainage hole mask | 1 | | |
| 363.069 | umetak za F-1561 | insert for F-1561 | 2 | | |
| 111.024 | baglame | hinges | 10 | | |
| 111.026 | rukohvat | handrail | 1 | | |
| 111.022 | mehanizam gornje vodilice | upper guide mechanism | 1 | | |
| 111.023 | mehanizam donje pratilice | lower guide mechanism | 1 | | |
| 140.088 | brava | lock | 3 | | |
| 105.007 | ručka za bravu | handle for lock | 2 | | |
| 383.002 | zapinjač u profilu FT-1303F | rod end in profile FT-1303F | 6 | | |
| 100.017 | ručka za bravu (Roto) | handle for lock (Roto) | 1 | | |
| 140.081 | graničnik krila | sash stopper | 2 | | |
| Brtve Gaskets | opis description | | | mjera measure | |
| 341.011 | brtva u g. vodilici, prema krilu | gasket in up. guide, towards sash | | L | |
| 321.001 | brtva u profilu F-1561 | gasket in profile F-1561 | | 2H | |
| 341.014 | brtva na spoju, okomita | gasket on joint, vertical | | 18H | |
| 341.015 | brtva na spoju, okomita(maska) | gasket on joint, vertical(mask) | | 2H | |
| 344.085 | brtva u žlijebu donje vodilice | seal in groove of lower guide | | L | |
| 341.016 | brtva krila prema gornjoj vodilici | sash seal towards upper guide | | L | |
| 341.017 | brtva krila prema d. vodilici,vani | sash seal towards l. guide, exterior | | L | |
| 341.018 | brtva krila prema d.vodilici,unutra | sash seal towards l.guide, interior | | L | |
| 328.002 | brtva za stakljenje, vanjska | gasket for glazing, exterior | | 2L+8H | |
| 311.003 | brtva za stakljenje, unutarnja | gasket for glazing, interior | | 2L+8H | |
| Staklo Glass | opis description | | | mjera measure | |
| 48 mm | IZO staklo | Insulation glass | 4 | Lkr-98 x Hkr-98 | |





HARMO OTVARANJE 5+0
OTVARANJE UNUTRA
HARMO OPENING 5+0
INSIDE OPENING

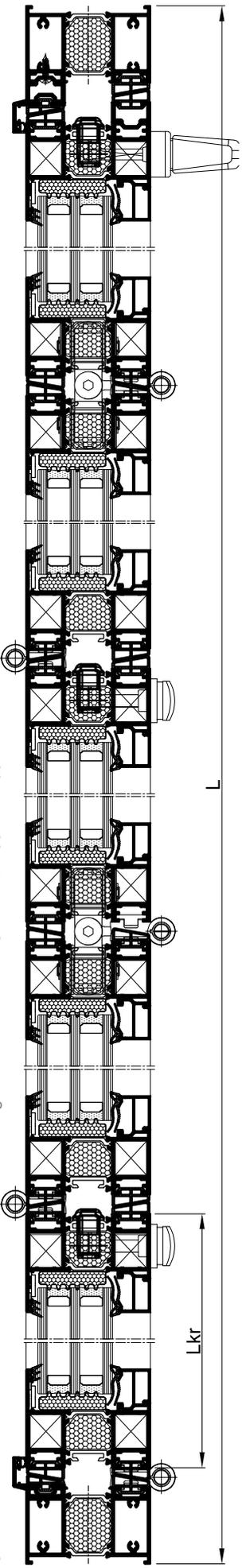


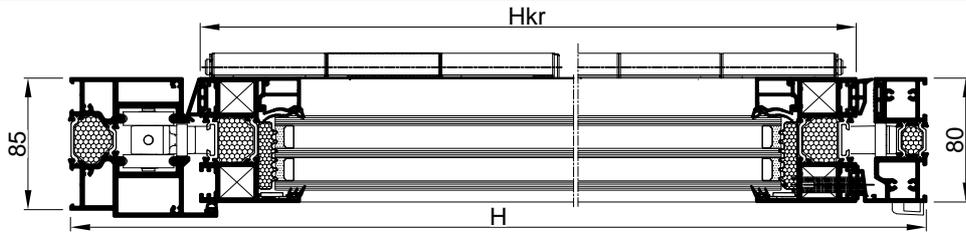
| Profil Profile | opis description | komp pcs | mjera measure | pitanje pitanje |
|----------------|----------------------------|----------|---------------|-----------------|
| FT-1300F | vodor. rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor. rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 10 | Lkr=LJ5-37.5 | 45-45 |
| FT-1303F | okomiti profil krila | 10 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | 1 | H-108 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 10 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 10 | Hkr-128 | 90-90 |
| F-1584 | klizač | 3 | Hkr | 90-90 |

| Conn. elements | opis description | komp pcs | mjera measure | pitanje pitanje |
|----------------|---------------------------------|----------|---------------|-----------------|
| 710.413 | kutna spojnica krila | 40 | | |
| 731.010 | pomoćni kutnik krila | 20 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina - Monodrain | 10 | | |
| 373.003 | maska za drenažni otvor | 3 | | |
| 363.069 | umetak za F-1561 | 1 | | |
| 111.024 | baglame | 11 | | |
| 111.026 | rukohvat | 2 | | |
| 111.022 | mehanizam gornje vodilice | 2 | | |
| 111.023 | mehanizam donje pratilice | 2 | | |
| 140.088 | brava | 3 | | |
| 105.007 | ručka za bravu | 2 | | |
| 383.002 | zapinjač u profilu FT-1303F | 6 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 4 | | |

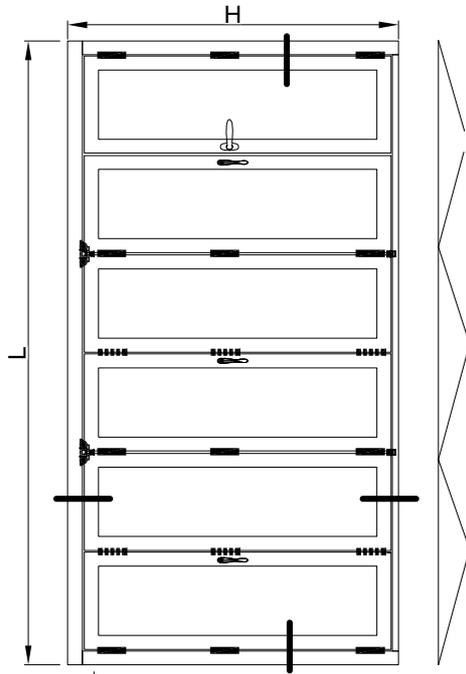
| Brtve Gaskets | opis description | mjera measure | pitanje pitanje |
|---------------|---------------------------------------|---------------|-----------------|
| 341.011 | brtva u g. vodilici, prema krilu | L | |
| 321.001 | brtva u profilu F-1561 | 2H | |
| 341.014 | brtva na spoju, okomita | 22H | |
| 341.015 | brtva na spoju, okomita (maska) | 2H | |
| 344.085 | brtva u žlijebu donje vodilice | L | |
| 341.016 | brtva krila prema gornjoj vodilici | L | |
| 341.017 | brtva krila prema d. vodilici, vani | L | |
| 341.018 | brtva krila prema d. vodilici, unutra | L | |
| 328.002 | brtva za stakljenje, vanjska | 2L+10H | |
| 311.003 | brtva za stakljenje, unutarnja | 2L+10H | |

| Staklo Glass | opis description | mjera measure | pitanje pitanje |
|--------------|------------------|---------------|-----------------|
| 48 mm | IZO staklo | 5 | |

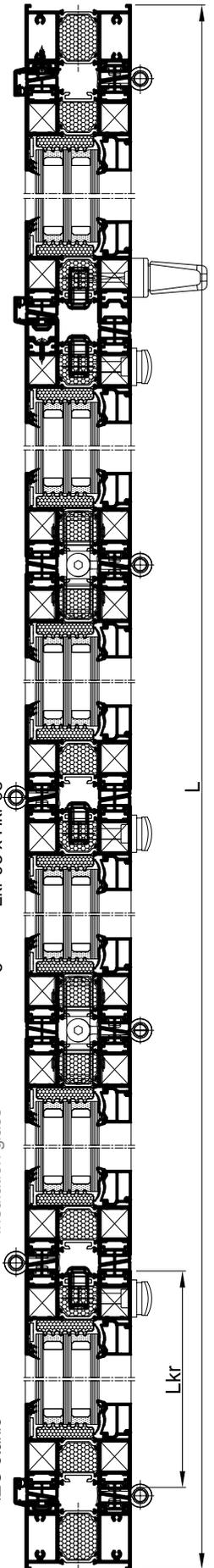


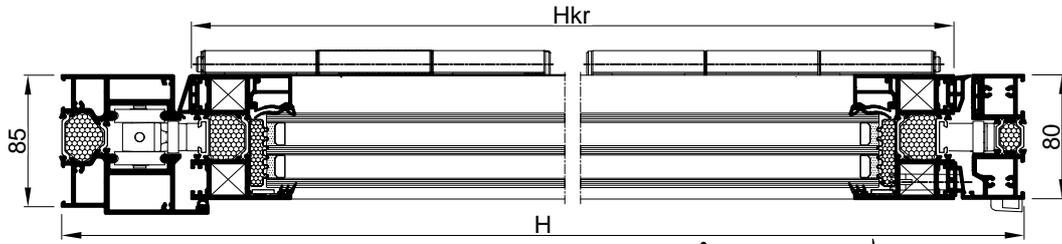


HARMO OTVARANJE 5+1
OTVARANJE UNUTRA
HARMO OPENING 5+1
INSIDE OPENING

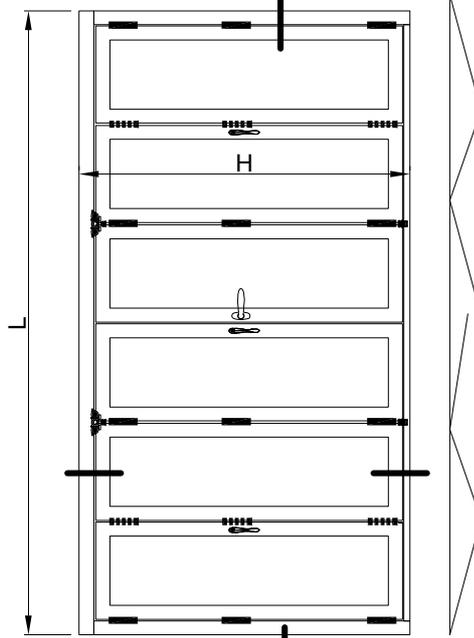


| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|-----------------------|---------------------------------------|---------|-----------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 12 | Lkr=L6-33.5 | 45-45 |
| FT-1303F | okomiti profil krila | 12 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 12 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 12 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |
| Vezni elementi | | | | |
| Conn. elements | | | | |
| 710.413 | kutna spojnica krila | 48 | | |
| 731.010 | pomoćni kutnik krila | 24 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | 12 | | |
| 373.003 | maska za drenažni otvor | 3 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglame | 14 | | |
| 111.026 | rukohvat | 2 | | |
| 111.022 | mehanizam gornje vodilice | 2 | | |
| 111.023 | mehanizam donje pratilice | 2 | | |
| 140.088 | brava | 4 | | |
| 105.007 | ručka za bravu | 3 | | |
| 383.002 | zapinjač u profilu FT-1303F | 8 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 4 | | |
| Brtve Gaskets | | | | |
| 341.011 | brtva u g. vodilici, prema krilu | | L | |
| 321.001 | brtva u profilu F-1561 | | 2H | |
| 341.014 | brtva na spoju, okomita | | 26H | |
| 341.015 | brtva na spoju, okomita(maska) | | 2H | |
| 344.085 | brtva u žiljebu donje vodilice | | L | |
| 341.016 | brtva krila prema gornjoj vodilici | | L | |
| 341.017 | brtva krila prema d. vodilici, vani | | L | |
| 341.018 | brtva krila prema d. vodilici, unutra | | L | |
| 328.002 | brtva za stakljenje, vanjska | | 2L+12H | |
| 311.003 | brtva za stakljenje, unutarnja | | 2L+12H | |
| Staklo Glass | | | | |
| 48 mm | IZO staklo | 6 | Lkr-98 x Hkr-98 | |





HARMO OTVARANJE 3+3
OTVARANJE UNUTRA
HARMO OPENING 3+3
INSIDE OPENING

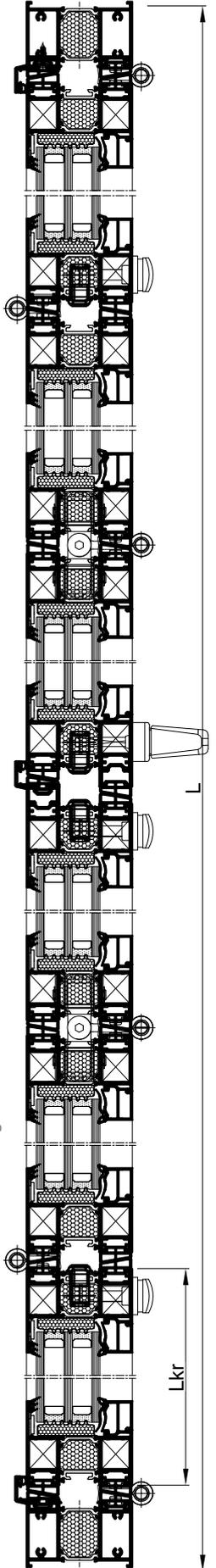


| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|-----------------------|----------------------------|----------------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 12 | Lkr=L/6-33.5 | 45-45 |
| FT-1303F | okomiti profil krila | 12 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 12 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 12 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |
| Vežni elementi | | kom pcs | | |

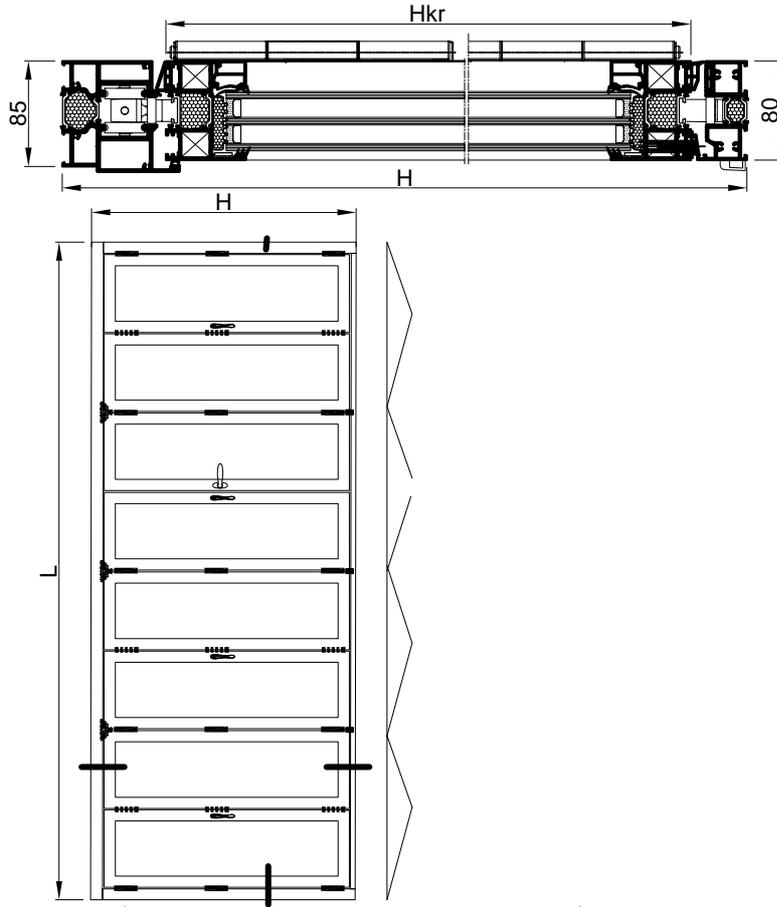
| Conn. elements | opis description | kom pcs | mjera measure |
|----------------|--------------------------------|---------|---------------|
| 710.413 | kutna spojnica krila | 48 | |
| 731.010 | pomoćni kutnik krila | 24 | |
| 383.001 | maska profila FT-1301F | 1 | |
| 360.009 | odvodnja kapljevina -Monodrain | 12 | |
| 373.003 | maska za drenažni otvor | 3 | |
| 363.069 | umetak za F-1561 | 2 | |
| 111.024 | baglame | 14 | |
| 111.026 | rukohvat | 2 | |
| 111.022 | mehanizam gornje vodilice | 2 | |
| 111.023 | mehanizam donje pratilice | 2 | |
| 140.088 | brava | 4 | |
| 105.007 | ručka za bravu | 3 | |
| 383.002 | zapinjač u profilu FT-1303F | 8 | |
| 102.019 | ručka za bravu (GU) | 1 | |
| 431.921 | vijak za M5x60 DIN 965 | 2 | |
| 140.081 | graničnik krila | 4 | |

| Brtve Gaskets | opis description | mjera measure |
|---------------|-------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 26H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žiljebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici,vani | L |
| 341.018 | brtva krila prema d.vodilici,unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+12H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+12H |

| Staklo Glass | opis description | mjera measure |
|--------------|------------------|-----------------|
| 48 mm | IZO staklo | 6 |
| | Insulation glass | Lkr-98 x Hkr-98 |



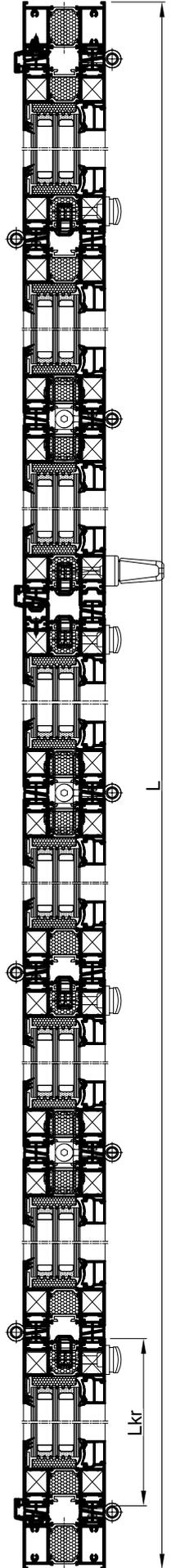
**HARMO OTVARANJE 5+3
OTVARANJE UNUTRA
HARMO OPENING 5+3
INSIDE OPENING**

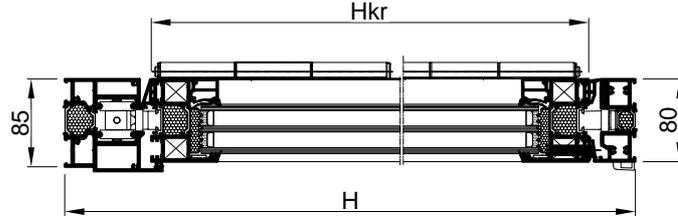
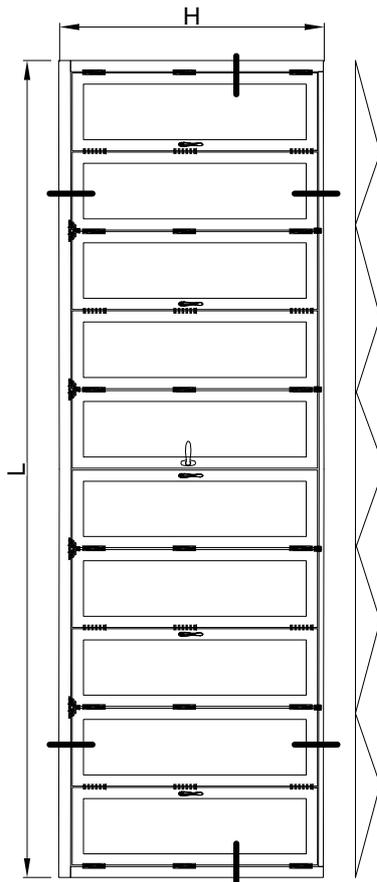


| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|-----------------------|--------------------------------|---------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 16 | Lkr=L/8-28 | 45-45 |
| FT-1303F | okomiti profil krila | 16 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 16 | Lkr=84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 16 | Hkr=128 | 90-90 |
| F-1584 | klizač | 5 | Hkr | 90-90 |
| Vezni elementi | | | | |
| Conn. elements | | | | |
| 710.413 | kutna spojnica krila | 64 | | |
| 731.010 | pomoćni kutnik krila | 32 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | 16 | | |
| 373.003 | maska za drenažni otvor | 4 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglame | 18 | | |
| 111.026 | rukohvat | 3 | | |
| 111.022 | mehanizam gornje vodilice | 3 | | |
| 111.023 | mehanizam donje vodilice | 3 | | |
| 140.088 | brava | 5 | | |
| 105.007 | ručka za bravu | 4 | | |
| 383.002 | zapinjač u profilu FT-1303F | 10 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 6 | | |

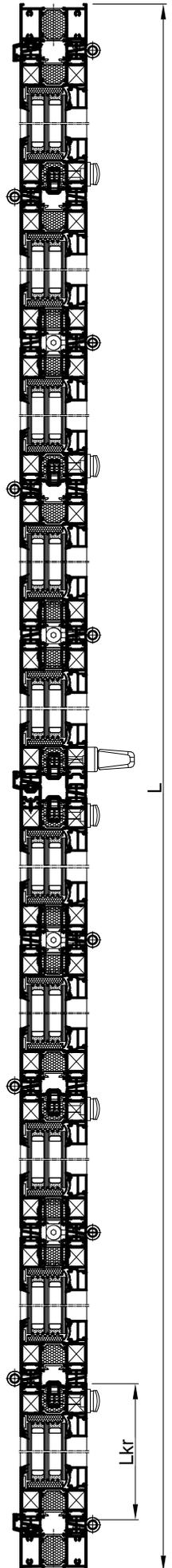
| Brtve Gasket | opis description | mjera measure |
|--------------|--------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 34H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žlijebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici,vani | L |
| 341.018 | brtva krila prema d. vodilici.unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+16H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+16H |

| Staklo Glass | opis description | mjera measure |
|--------------|------------------|-----------------|
| 48 mm | IZO staklo | 8 |
| | Insulation glass | Lkr-98 x Hkr-98 |



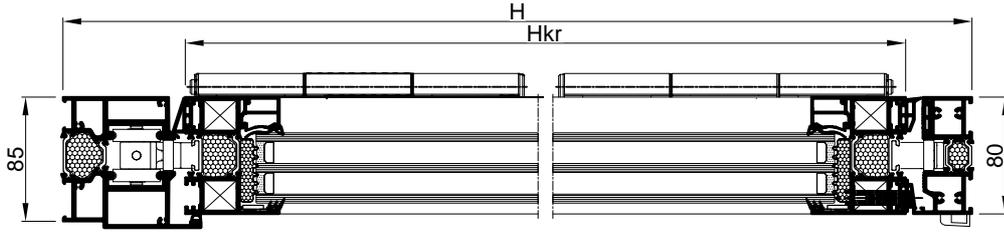


HARMO OTVARANJE 5+5
OTVARANJE UNUTRA
HARMO OPENING 5+5
INSIDE OPENING

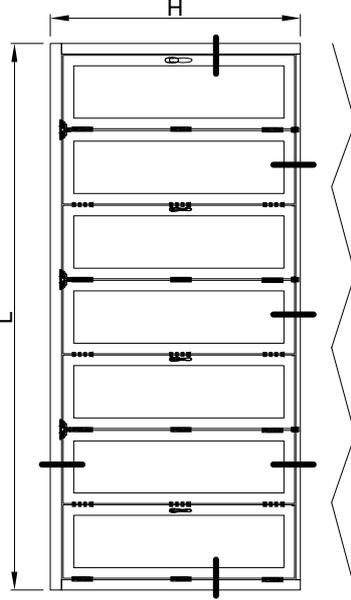


| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|-----------------------|--------------------------------|---------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 20 | Lkr=L/10-25 | 45-45 |
| FT-1303F | okomiti profil krila | 20 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 20 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 20 | Hkr-128 | 90-90 |
| F-1584 | klizač | 6 | Hkr | 90-90 |
| Vežni elementi | | | | |
| Conn. elements | | | | |
| 710.413 | kutna spojnika krila | 80 | | |
| 731.010 | pomoćni kutnik krila | 40 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | 20 | | |
| 373.003 | maska za drenažni otvor | 5 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglame | 22 | | |
| 111.026 | rukohvat | 4 | | |
| 111.022 | mehanizam gornje vodilice | 4 | | |
| 111.023 | mehanizam donje pratilice | 4 | | |
| 140.088 | brava | 6 | | |
| 105.007 | ručka za bravu | 5 | | |
| 383.002 | zapinjač u profilu FT-1303F | 12 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 8 | | |

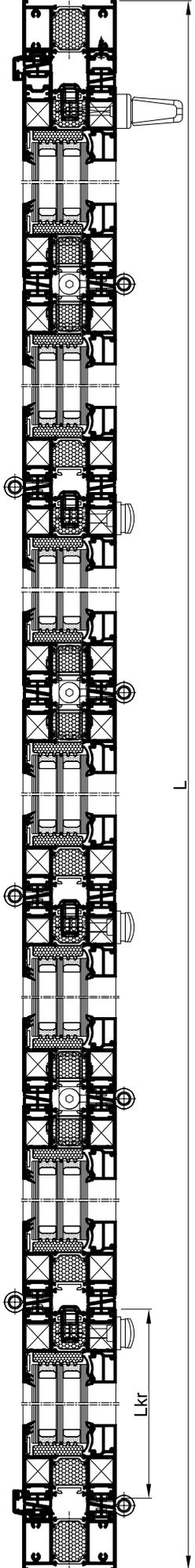
| Brtve Gaskets | opis description | mjera measure |
|---------------------|-------------------------------------|-----------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 42H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žljebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici, vani | L |
| 341.018 | brtva krila prema d.vodilici,unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+20H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+20H |
| Staklo Glass | | |
| 48 mm | IZO staklo | 10 |
| | Insulation glass | Lkr-98 x Hkr-98 |

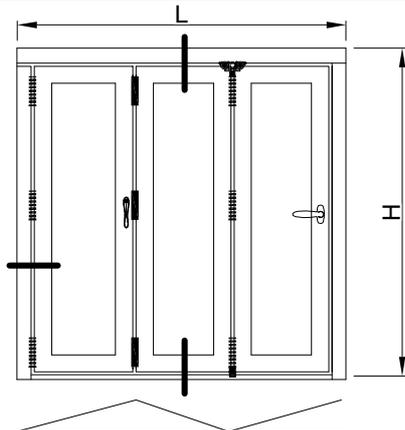


HARMO OTVARANJE 7+0
OTVARANJE UNUTRA
HARMO OPENING 7+0
INSIDE OPENING

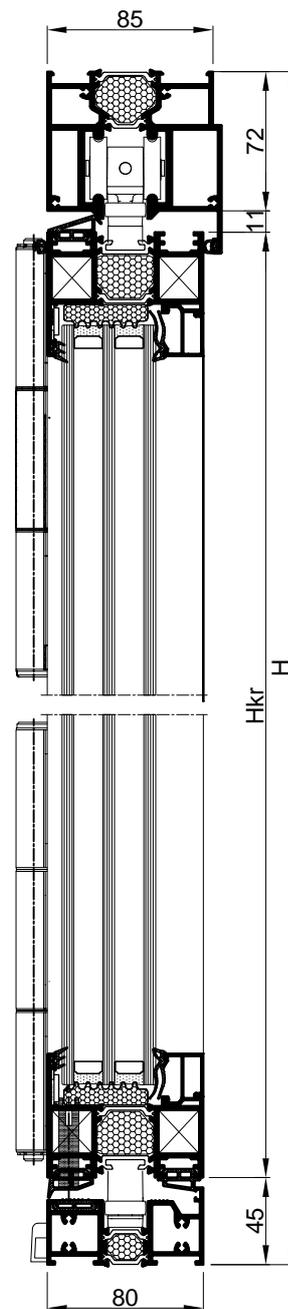


| Profil Profile | opis description | kom pcs | mjera measure | pilanje pilanje |
|-------------------------|---------------------------------------|----------------------|-----------------|-----------------|
| FT-1300F | vodor. rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor. rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 14 | Lkr=L/7-30.4 | 45-45 |
| FT-1303F | okomiti profil krila | 14 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | 1 | H-108 | 90-90 |
| F-1561 | maska rama | 1 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 14 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 14 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |
| Vezni elementi | | | | |
| Conn. elements | | kom pcs | | |
| 710.413 | kutna spojnica krila | 56 | | |
| 731.010 | pomoćni kutnik krila | 28 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapjevina-Monodrain | 14 | | |
| 373.003 | maska za drenažni otvor | 4 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglamne | 15 | | |
| 111.026 | rukohvat | 3 | | |
| 111.022 | mehanizam gornje vodilice | 3 | | |
| 111.023 | mehanizam donje pratilice | 3 | | |
| 140.088 | brava | 4 | | |
| 105.007 | ručka za bravu | 3 | | |
| 383.002 | zapinjač u profilu FT-1303F | 8 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 6 | | |
| Brtve Gaskets | | | | |
| opis description | | mjera measure | | |
| 341.011 | brtva u g. vodilici, prema krilu | L | | |
| 321.001 | brtva u profilu F-1561 | 2H | | |
| 341.014 | brtva na spoju, okomita | 30H | | |
| 341.015 | brtva na spoju, okomita (maska) | 2H | | |
| 344.085 | brtva u žlijebu donje vodilice | L | | |
| 341.016 | brtva krila prema gornjoj vodilici | L | | |
| 341.017 | brtva krila prema d. vodilici, vani | L | | |
| 341.018 | brtva krila prema d. vodilici, unutra | L | | |
| 328.002 | brtva za stakljenje, vanjska | 2L+14H | | |
| 311.003 | brtva za stakljenje, unutarnja | 2L+14H | | |
| Staklo Glass | | | | |
| opis description | | mjera measure | | |
| 48 mm | IZO staklo | 7 | Lkr-98 x Hkr-98 | |

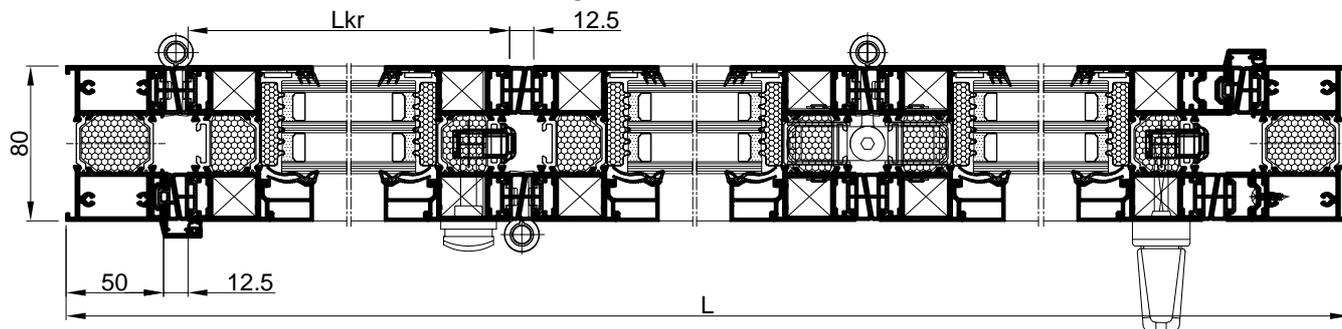


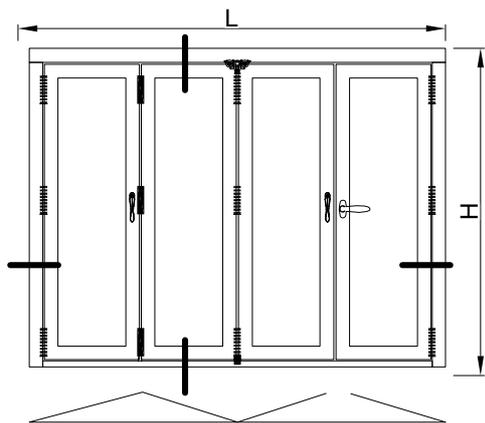


HARMO OTVARANJE 3+0
OTVARANJE VANI
HARMO OPENING 3+0
OUTSIDE OPENING



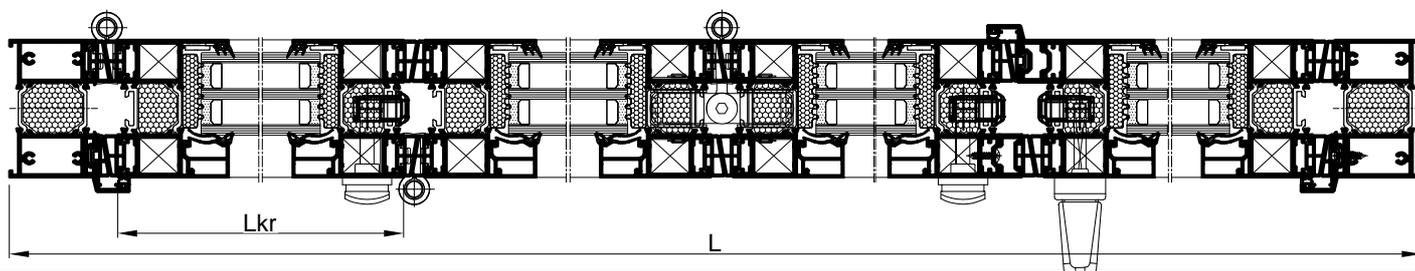
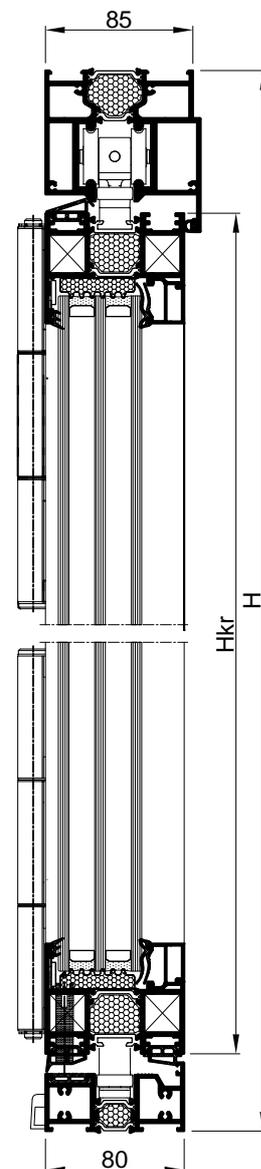
| Profil Profile | opis description | | kod pcs | mjera measure | pilanje cutting |
|----------------------------------|----------------------------|---|--------------------------------------|-------------------------------|--------------------|
| FT-1300F | vodor.rama-dolje | horiz.frame-lower | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | horiz.frame-upper | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | mullion frame | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | transom of sash | 6 | Lkr=L/3-54 | 45-45 |
| FT-1303F | okomiti profil krila | mullion of sash | 6 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | auxiliary profile on sash | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | auxiliary profile on frame | 1 | H-108 | 90-90 |
| F-1561 | maska rama | mask frame | 1 | H-108 | 90-90 |
| F-1561 | maska krila | mask sash | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | horizontal bead (20.5 mm) | 6 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | vertical bead (20.5 mm) | 6 | Hkr-128 | 90-90 |
| F-1584 | klizač | slider | 2 | Hkr | 90-90 |
| Vezni elementi Conn. elements | | opis description | kod pcs | | |
| 710.413 | | kutna spojnica krila | 24 | sash corner bracket | |
| 731.010 | | pomoćni kutnik krila | 12 | auxiliary sash corner bracket | |
| 383.001 | | maska profila FT-1301F | 1 | mask profile FT-1301F | |
| 360.009 | | odvodnja kapljevina -Monodrain | 6 | drainage -Monodrain | |
| 373.003 | | maska za drenažni otvor | 2 | drainage hole mask | |
| 363.069 | | umetak za F-1561 | 1 | insert for F-1561 | |
| 111.024 | | baglame | 6 | hinges | |
| 111.025 | | baglama-rukohvat | 1 | hinge-handrail | |
| 111.022 | | mehanizam gornje vodilice | 1 | upper guide mechanism | |
| 111.023 | | mehanizam donje pratileice | 1 | lower guide mechanism | |
| 140.088 | | brava lock | 2 | | |
| 105.007 | | ručka za bravu handle for lock | 1 | | |
| 383.002 | | zapinjač u profilu FT-1303F rod end in profile FT-1303F | 4 | | |
| 100.017 | | ručka za bravu (Roto) handle for lock (Roto) | 1 | | |
| 140.081 | | graničnik krila sash stopper | 2 | | |
| Brtve Gaskets | | opis description | mjera measure | | |
| 341.011 | | brtva u g. vodilici, prema krilu | gasket in up. guide, towards sash | | |
| 321.001 | | brtva u profilu F-1561 | gasket in profile F-1561 | | |
| 341.014 | | brtva na spoju, okomita | gasket on joint, vertical | | |
| 341.015 | | brtva na spoju, okomita(maska) | gasket on joint, vertical(mask) | | |
| 344.085 | | brtva u žlijebu donje vodilice | gasket in groove of lower guide | | |
| 341.016 | | brtva krila prema gornjoj vodilici | sash seal towards upper guide | | |
| 341.017 | | brtva krila prema d. vodilici,vani | sash seal towards l. guide, exterior | | |
| 341.018 | | brtva krila prema d.vodilici,unutra | sash seal towards l. guide, interior | | |
| 328.002 | | brtva za stakljenje, vanjska | gasket for glazing, exterior | | |
| 311.003 | | brtva za stakljenje, unutarnja | gasket for glazing, interior | | |
| Staklo Glass | | opis description | mjera measure | | |
| 48 mm | | IZO staklo Insulation glass | 3 | Lkr-98 x Hkr-98 | |





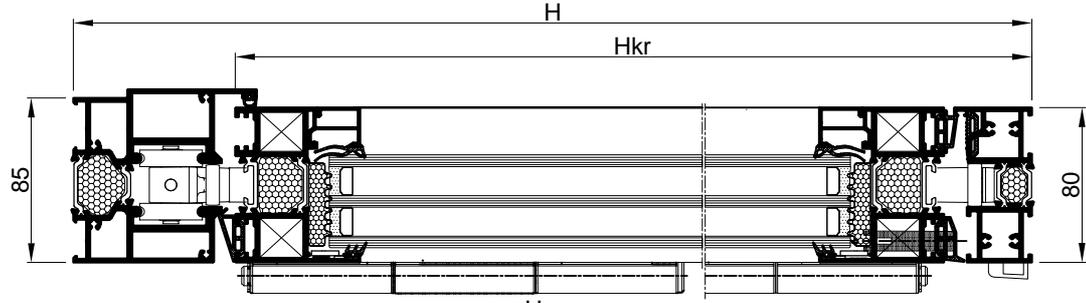
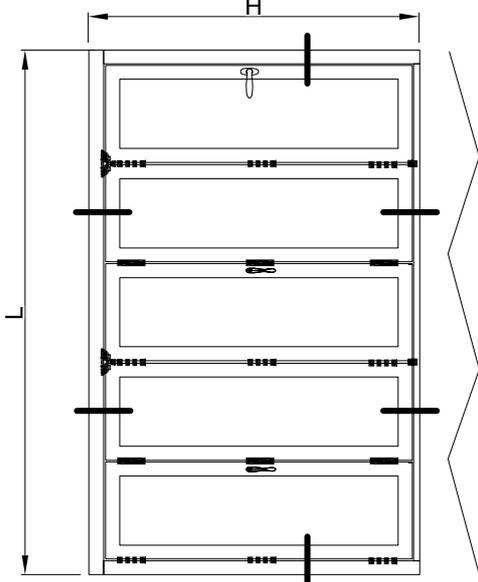
HARMO OTVARANJE 3+1
OTVARANJE VANI
HARMO OPENING 3+1
OUTSIDE OPENING

| Profil Profile | opis description | | kod pcs | mjera measure | pilanje cutting |
|---|-------------------------------------|--------------------------------------|--------------------------------|------------------|--------------------|
| FT-1300F | vodor.rama-dolje | horiz.frame-lower | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | horiz.frame-upper | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | mullion frame | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | transom of sash | 8 | Lkr=L/4-44 | 45-45 |
| FT-1303F | okomiti profil krila | mullion of sash | 8 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | auxiliary profile on sash | 2 | H-128 | 90-90 |
| F-1561 | maska rama | mask frame | 2 | H-108 | 90-90 |
| F-1561 | maska krila | mask sash | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | horizontal bead (20.5 mm) | 8 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | vertical bead (20.5 mm) | 8 | Hkr-128 | 90-90 |
| F-1584 | klizač | slider | 3 | Hkr | 90-90 |
| Vezni elementi Conn. elements | opis description | | kod pcs | | |
| 710.413 | kutna spojnica krila | sash corner bracket | 32 | | |
| 731.010 | pomoćni kutnik krila | auxiliary sash corner bracket | 16 | | |
| 383.001 | maska profila FT-1301F | mask profile FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | drainage -Monodrain | 8 | | |
| 373.003 | maska za drenažni otvor | drainage hole mask | 2 | | |
| 363.069 | umetak za F-1561 | insert for F-1561 | 2 | | |
| 111.024 | baglame | hinges | 9 | | |
| 111.025 | baglama-rukohvat | hinge-handrail | 1 | | |
| 111.022 | mehanizam gornje vodilice | upper guide mechanism | 1 | | |
| 111.023 | mehanizam donje pratilice | lower guide mechanism | 1 | | |
| 140.088 | brava | lock | 3 | | |
| 105.007 | ručka za bravu | handle for door | 2 | | |
| 383.002 | zapinjač u profilu FT-1303F | rod end in profile FT-1303F | 6 | | |
| 100.017 | ručka za bravu (Roto) | handle for lock (Roto) | 1 | | |
| 140.081 | graničnik krila | sash stopper | 2 | | |
| Brtve Gaskets | opis description | | mjera measure | | |
| 341.011 | brtva u g. vodilici, prema krilu | gasket in up. guide, towards sash | L | | |
| 321.001 | brtva u profilu F-1561 | gasket in profile F-1561 | 2H | | |
| 341.014 | brtva na spoju, okomita | gasket on joint, vertical | 18H | | |
| 341.015 | brtva na spoju, okomita(maska) | gasket on joint, vertical(mask) | 2H | | |
| 344.085 | brtva u žljebu donje vodilice | seal in groove of lower guide | L | | |
| 341.016 | brtva krila prema gornjoj vodilici | sash seal towards upper guide | L | | |
| 341.017 | brtva krila prema d. vodilici,vani | sash seal towards l. guide, exterior | L | | |
| 341.018 | brtva krila prema d.vodilici,unutra | sash seal towards l. guide, interior | L | | |
| 328.002 | brtva za stakljenje, vanjska | gasket for glazing, exterior | 2L+8H | | |
| 311.003 | brtva za stakljenje, unutarnja | gasket for glazing, interior | 2L+8H | | |
| Staklo Glass | opis description | | mjera measure | | |
| 48 mm | IZO staklo | Insulation glass | 4 | Lkr-98 x Hkr-98 | |



| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|----------------|----------------------------|---------|---------------|-----------------|
| FT-1300F | vodor. rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor. rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 10 | Lk=L/5-37.5 | 45-45 |
| FT-1303F | okomiti profil krila | 10 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | 1 | H-108 | 90-90 |
| F-1561 | maska rama | 1 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 10 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 10 | Hkr-128 | 90-90 |
| F-1584 | klizač | 3 | Hkr | 90-90 |

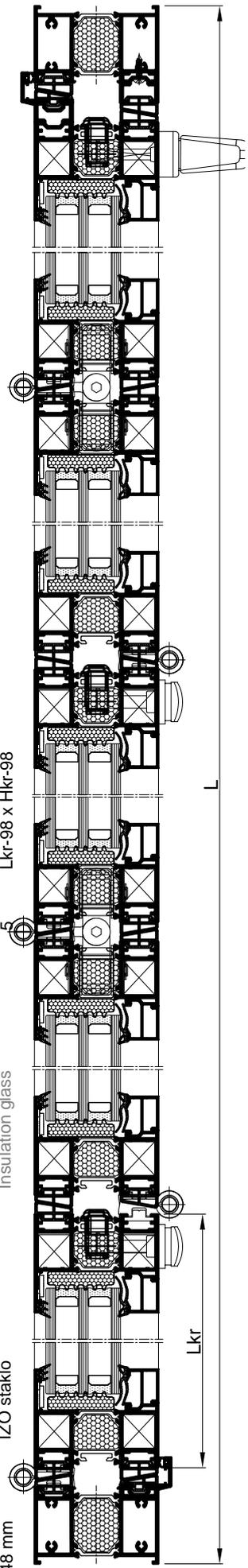
HARMO OTVARANJE 5+0
OTVARANJE VANI
HARMO OPENING 5+0
OUTSIDE OPENING



| Vezni elementi Conn. elements | opis description | kom pcs | mjera measure |
|----------------------------------|--------------------------------|---------|---------------|
| 710.413 | kutna spojnica krila | 40 | |
| 731.010 | pomoćni kutnik krila | 20 | |
| 383.001 | maska profila FT-1301F | 1 | |
| 360.009 | odvodnja kapljevina -Monodrain | 10 | |
| 373.003 | maska za drenažni otvor | 3 | |
| 363.069 | umetak za F-1561 | 1 | |
| 111.024 | bagljame | 9 | |
| 111.025 | baglama-rukohvat | 2 | |
| 111.022 | mehanizam gornje vodilice | 2 | |
| 111.023 | mehanizam donje pratilice | 2 | |
| 140.088 | brava | 3 | |
| 105.007 | ručka za bravu | 2 | |
| 383.002 | zapinjač u profilu FT-1303F | 6 | |
| 100.017 | ručka za bravu (Roto) | 1 | |
| 140.081 | graničnik krila | 4 | |

| Brtve Gaskets | opis description | mjera measure |
|---------------|---------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 22H |
| 341.015 | brtva na spoju, okomita (maska) | 2H |
| 344.085 | brtva u žlijebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici, vani | L |
| 341.018 | brtva krila prema d. vodilici, unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+10H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+10H |

| Staklo Glass | opis description | mjera measure |
|--------------|------------------|-----------------|
| 48 mm | IZO staklo | Lkr-98 x Hkr-98 |

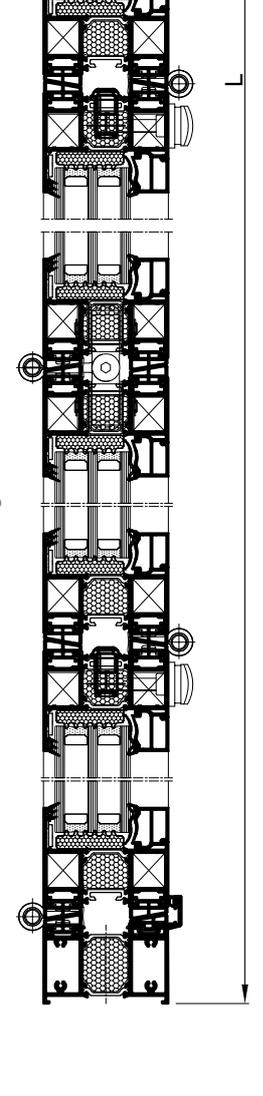


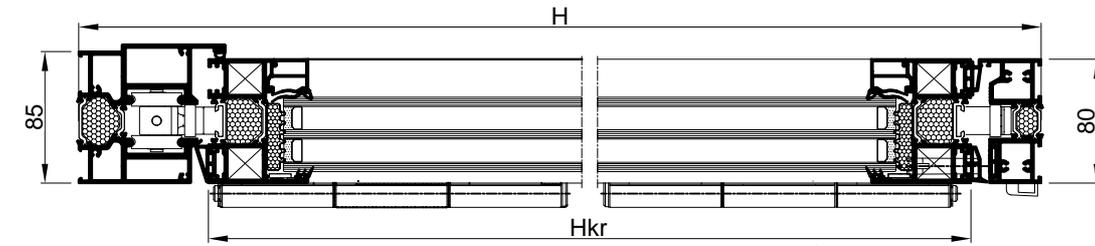
| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|----------------|----------------------------|---------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 12 | Lkr=L6-33.5 | 45-45 |
| FT-1303F | okomiti profil krila | 12 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 12 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 12 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |

| Vezni elementi Conn. elements | opis description | kom pcs |
|----------------------------------|--------------------------------|---------|
| 710.413 | kutna spojница krila | 48 |
| 731.010 | pomoćni kutnik krila | 24 |
| 383.001 | maska profila FT-1301F | 1 |
| 360.009 | odvodnja kapljevina -Monodrain | 12 |
| 373.003 | maska za drenažni otvor | 3 |
| 363.069 | umetak za F-1561 | 2 |
| 111.024 | baglama | 12 |
| 111.025 | baglama-rukohvat | 2 |
| 111.022 | mehanizam gornje vodilice | 2 |
| 111.023 | mehanizam donje pratilice | 2 |
| 140.088 | brava | 4 |
| 105.007 | ručka za bravu | 3 |
| 383.002 | zapinjač u profilu FT-1303F | 8 |
| 100.017 | ručka za bravu (Roto) | 1 |
| 140.081 | graničnik krila | 4 |

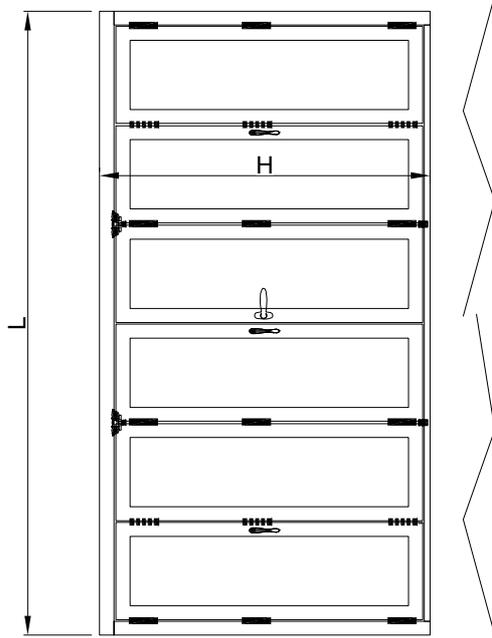
| Brtve Gaskets | opis description | mjera measure |
|---------------|--------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 26H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žljebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici, vani | L |
| 341.018 | brtva krila prema d.vodilici, unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+12H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+12H |

| Staklo Glass | opis description | mjera measure |
|--------------|------------------|---------------|
| 48 mm | IZO staklo | 6 |



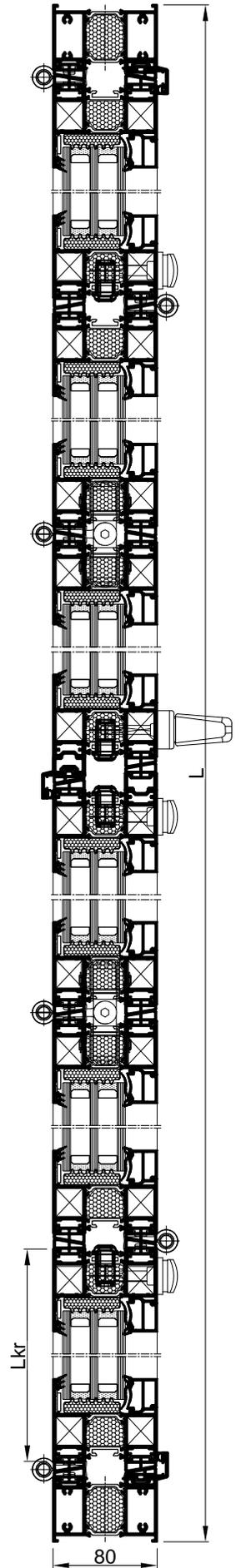


HARMO OTVARANJE 3+3
OTVARANJE VANI
HARMO OPENING 3+3
OUTSIDE OPENING

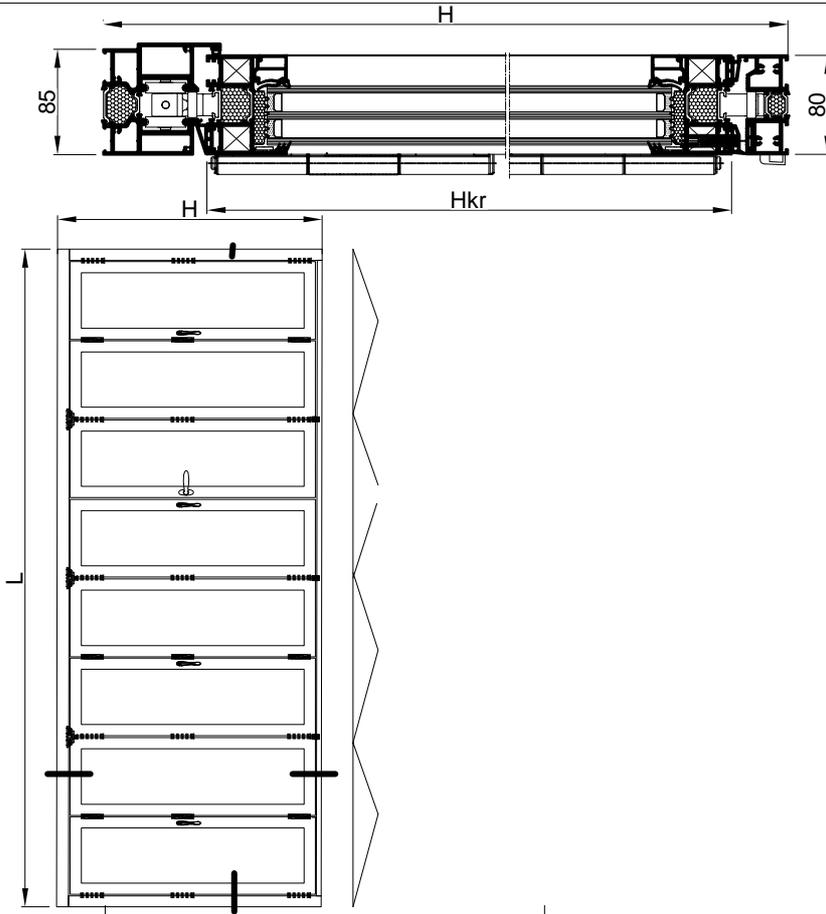


| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|-----------------------|--------------------------------|----------------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 12 | Lkr=L6-33.5 | 45-45 |
| FT-1303F | okomiti profil krila | 12 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 12 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 12 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |
| Vezni elementi | opis description | kom pcs | | |
| 710.413 | kutna spojница krila | 48 | | |
| 731.010 | pomoćni kutnik krila | 24 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapljevina -Monodrain | 12 | | |
| 373.003 | maska za drenažni otvor | 3 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglame | 12 | | |
| 111.025 | baglama-rukohvat | 2 | | |
| 111.022 | mehanizam gornje vodilice | 2 | | |
| 111.023 | mehanizam donje pratilice | 2 | | |
| 140.088 | brava | 4 | | |
| 105.007 | ručka za bravu | 3 | | |
| 383.002 | zapinjač u profilu FT-1303F | 8 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 4 | | |

| Brtve Gaskets | opis description | mjera measure |
|---------------------|-------------------------------------|----------------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 26H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žlijebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici,vani | L |
| 341.018 | brtva krila prema d.vodilici,unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+12H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+12H |
| Staklo Glass | opis description | mjera measure |
| 48 mm | IZO staklo | Lkr-98 x Hkr-98 |



HARMO OTVARANJE 5+3
OTVARANJE VANI
HARMO OPENING 5+3
OUTSIDE OPENING

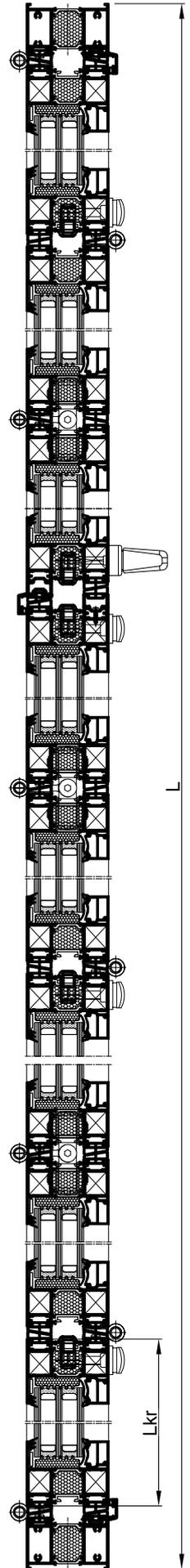


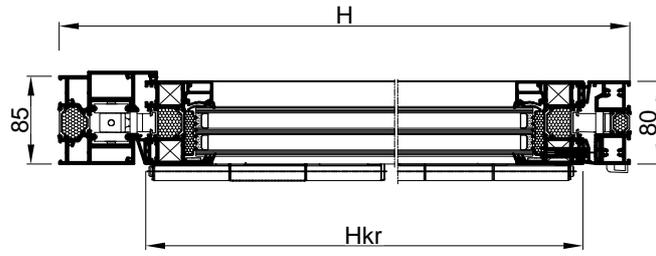
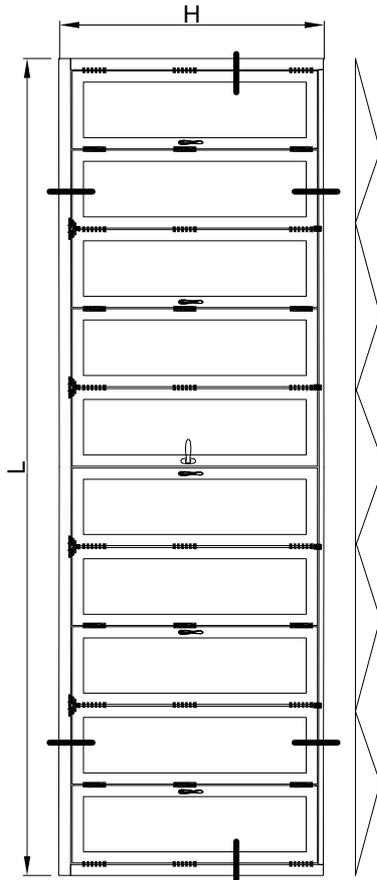
| Profil Profile | opis description | kom pcs | mjera measure | pilanje cutting |
|----------------|----------------------------|---------|---------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 16 | Lkr=L/8-28 | 45-45 |
| FT-1303F | okomiti profil krila | 16 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 16 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 16 | Hkr-128 | 90-90 |
| F-1584 | klizač | 5 | Hkr | 90-90 |

| Vežni elementi Conn. elements | opis description | kom pcs | mjera measure |
|----------------------------------|--------------------------------|---------|---------------|
| 710.413 | kutna spojnica krila | 64 | |
| 731.010 | pomoćni kutnik krila | 32 | |
| 383.001 | maska profila FT-1301F | 1 | |
| 360.009 | odvodnja kapljevina -Monodrain | 16 | |
| 373.003 | maska za drenažni otvor | 4 | |
| 363.069 | umetak za F-1561 | 2 | |
| 111.024 | bagijame | 15 | |
| 111.025 | baglama-rukohvat | 3 | |
| 111.022 | mehanizam gornje vodilice | 3 | |
| 111.023 | mehanizam donje vodilice | 3 | |
| 140.088 | brava | 5 | |
| 105.007 | ručka za bravu | 4 | |
| 383.002 | zapirjač u profilu FT-1303F | 10 | |
| 100.017 | ručka za bravu (Roto) | 1 | |
| 140.081 | graničnik krila | 6 | |

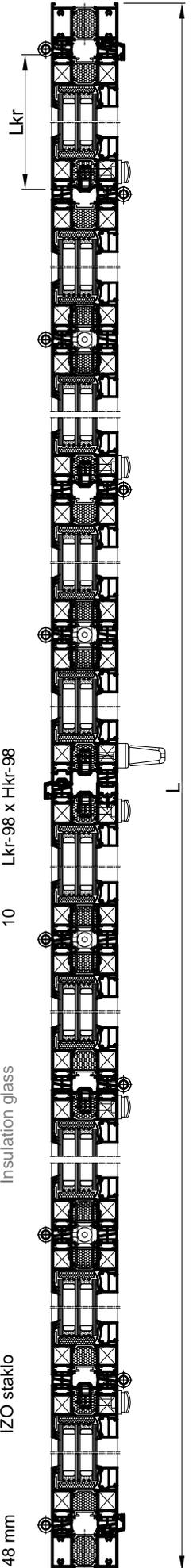
| Brtve Gaskets | opis description | mjera measure |
|---------------|-------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 34H |
| 341.015 | brtva na spoju, okomita(maska) | 2H |
| 344.085 | brtva u žiljebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici,vani | L |
| 341.018 | brtva krila prema d.vodilici,unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+16H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+16H |

| Staklo Glass | opis description | mjera measure |
|--------------|------------------|---------------|
| 48 mm | IZO staklo | 8 |





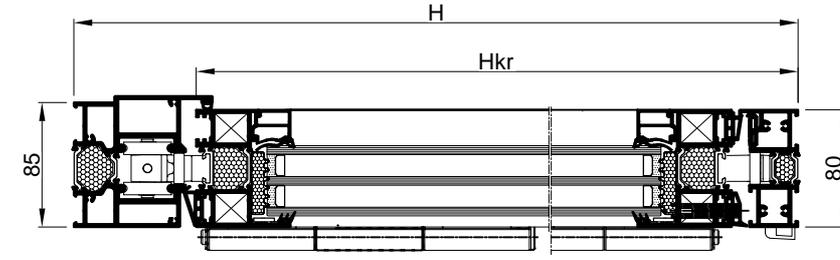
HARMO OTVARANJE 5+5
OTVARANJE VANI
HARMO OPENING 5+5
OUTSIDE OPENING



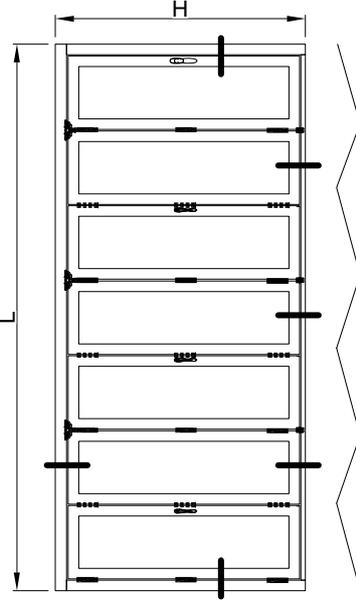
| Profil Profile | opis description | korn pcs | mjera measure | pilanje cutting |
|-----------------------|--------------------------------|-----------------|---------------|-----------------|
| FT-1300F | vodor. rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor. rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 20 | Lkr=L/10-25 | 45-45 |
| FT-1303F | okomiti profil krila | 20 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 2 | H-128 | 90-90 |
| F-1561 | maska rama | 2 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 20 | Lkr=84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 20 | Hkr=128 | 90-90 |
| F-1584 | klizač | 6 | Hkr | 90-90 |
| Vezni elementi | | korn pcs | | |
| Conn. elements | | 80 | | |
| 710.413 | kutna spojnica krila | 40 | | |
| 731.010 | pomoćni kutnik krila | 1 | | |
| 383.001 | maska profila FT-1301F | 20 | | |
| 360.009 | odvodnja kapljevina -Monodrain | 5 | | |
| 373.003 | maska za drenažni otvor | 2 | | |
| 363.069 | umetak za F-1561 | 18 | | |
| 111.024 | baglamе | 4 | | |
| 111.025 | baglama-rukohvat | 4 | | |
| 111.022 | mehanizam gornje vodilice | 4 | | |
| 111.023 | mehanizam donje vodilice | 4 | | |
| 140.088 | brava | 6 | | |
| 105.007 | ručka za bravu | 5 | | |
| 383.002 | zapinjač u profilu FT-1303F | 12 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 8 | | |

| Brtve Gaskets | opis description | mjera measure |
|---------------|---------------------------------------|---------------|
| 341.011 | brtva u g. vodilici, prema krilu | L |
| 321.001 | brtva u profilu F-1561 | 2H |
| 341.014 | brtva na spoju, okomita | 42H |
| 341.015 | brtva na spoju, okomita (maska) | 2H |
| 344.085 | brtva u žlijebu donje vodilice | L |
| 341.016 | brtva krila prema gornjoj vodilici | L |
| 341.017 | brtva krila prema d. vodilici, vani | L |
| 341.018 | brtva krila prema d. vodilici, unutra | L |
| 328.002 | brtva za stakljenje, vanjska | 2L+20H |
| 311.003 | brtva za stakljenje, unutarnja | 2L+20H |

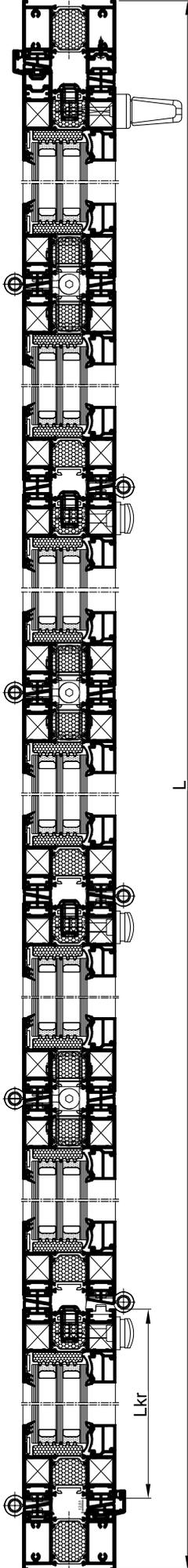
| Staklo Glass | opis description | mjera measure |
|--------------|------------------|-----------------|
| 48 mm | IZO staklo | 10 |
| | Insulation glass | Lkr-98 x Hkr-98 |



HARMO OTVARANJE 7+0
OTVARANJE VANI
HARMO OPENING 7+0
OUTSIDE OPENING



| Profil Profile | opis description | kom pcs | mjera measure | pitanje pitanje |
|-------------------------|-------------------------------------|----------------------|-----------------|-----------------|
| FT-1300F | vodor.rama-dolje | 1 | L-90 | 90-90 |
| FT-1301F | vodor.rama-gore | 1 | L-7 | 90-90 |
| FT-1302F | okomiti pojas rama | 2 | H-72 | 90-90 |
| FT-1303F | vodoravni profil krila | 14 | Lkr=L/7-30,4 | 45-45 |
| FT-1303F | okomiti profil krila | 14 | Hkr=H-128 | 45-45 |
| F-1562 | dodatni profil na krilu | 1 | H-128 | 90-90 |
| F-1562 | dodatni profil na ramu | 1 | H-108 | 90-90 |
| F-1561 | maska rama | 1 | H-108 | 90-90 |
| F-1561 | maska krila | 1 | H-128 | 90-90 |
| Z40-666 | vodoravne lajsne (20.5 mm) | 14 | Lkr-84 | 90-90 |
| Z40-666 | okomite lajsne (20.5 mm) | 14 | Hkr-128 | 90-90 |
| F-1584 | klizač | 4 | Hkr | 90-90 |
| Vezni elementi | | | | |
| Conn. elements | | kom pcs | | |
| 710.413 | kutna spojnica krila | 56 | | |
| 731.010 | pomoćni kutnik krila | 28 | | |
| 383.001 | maska profila FT-1301F | 1 | | |
| 360.009 | odvodnja kapjevina-Monodrain | 14 | | |
| 373.003 | maska za drenažni otvor | 4 | | |
| 363.069 | umetak za F-1561 | 2 | | |
| 111.024 | baglamne | 12 | | |
| 111.026 | rukohvat | 3 | | |
| 111.022 | mehanizam gornje vodilice | 3 | | |
| 111.023 | mehanizam donje pratilice | 3 | | |
| 140.088 | brava | 4 | | |
| 105.007 | ručka za bravu | 3 | | |
| 383.002 | zapinjač u profilu FT-1303F | 8 | | |
| 100.017 | ručka za bravu (Roto) | 1 | | |
| 140.081 | graničnik krila | 6 | | |
| Brtve Gaskets | | | | |
| opis description | | mjera measure | | |
| 341.011 | brtva u g. vodilici, prema krilu | L | | |
| 321.001 | brtva u profilu F-1561 | 2H | | |
| 341.014 | brtva na spoju, okomita | 30H | | |
| 341.015 | brtva na spoju, okomita(maska) | 2H | | |
| 344.085 | brtva u žlijebu donje vodilice | L | | |
| 341.016 | brtva krila prema gornjoj vodilici | L | | |
| 341.017 | brtva krila prema d. vodilici,vani | L | | |
| 341.018 | brtva krila prema d.vodilici,unutra | L | | |
| 321.002 | brtva za stakljenje, vanjska | 2L+14H | | |
| 311.003 | brtva za stakljenje, unutarnja | 2L+14H | | |
| Staklo Glass | | mjera measure | | |
| 48 mm | IZO staklo | 7 | Lkr-98 x Hkr-98 | |



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