

# FEAL



## GH40

HARMONIKA OTVORI  
*FOLDING OPENINGS*



**SADRŽAJ-CONTENT**

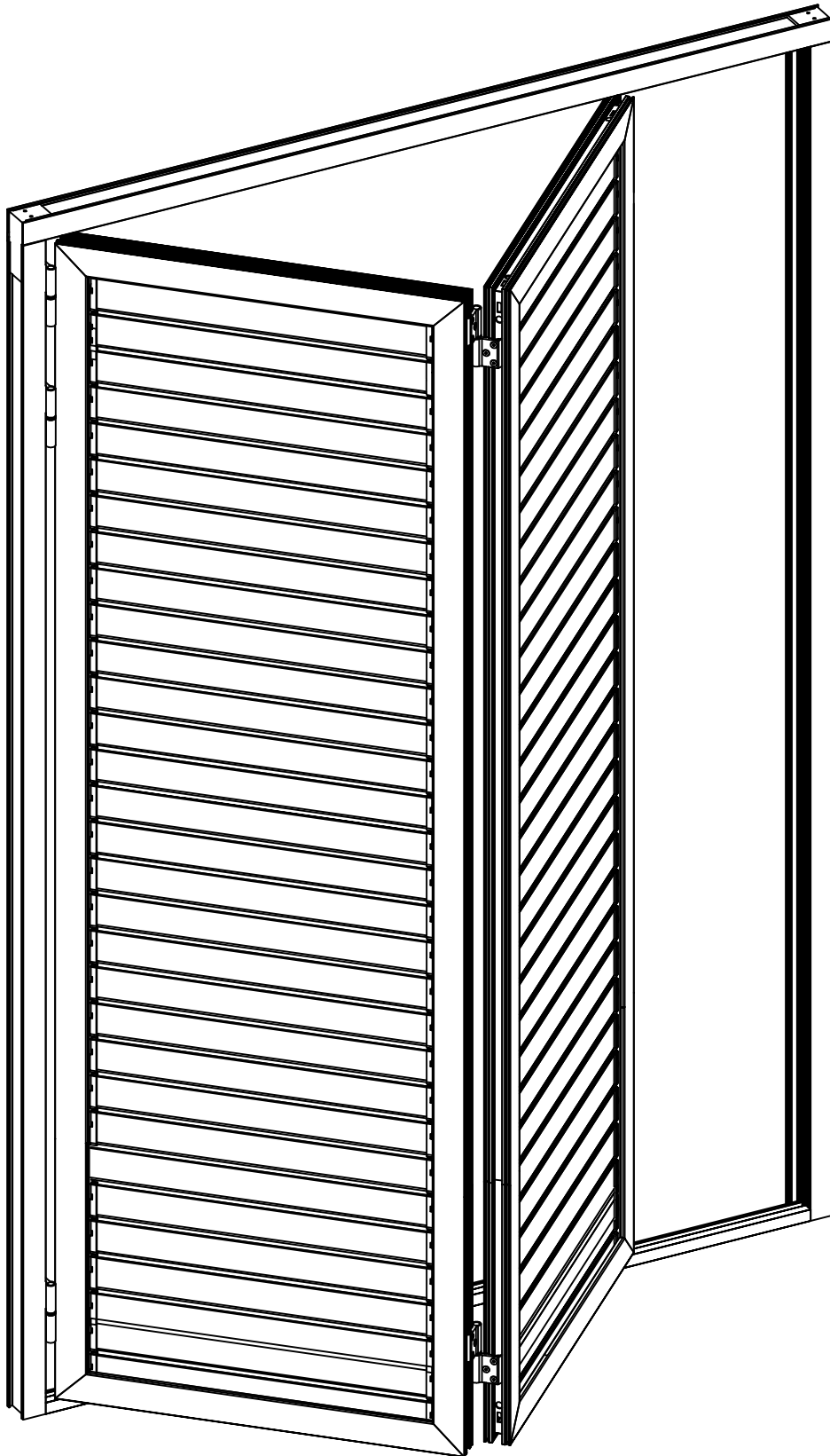
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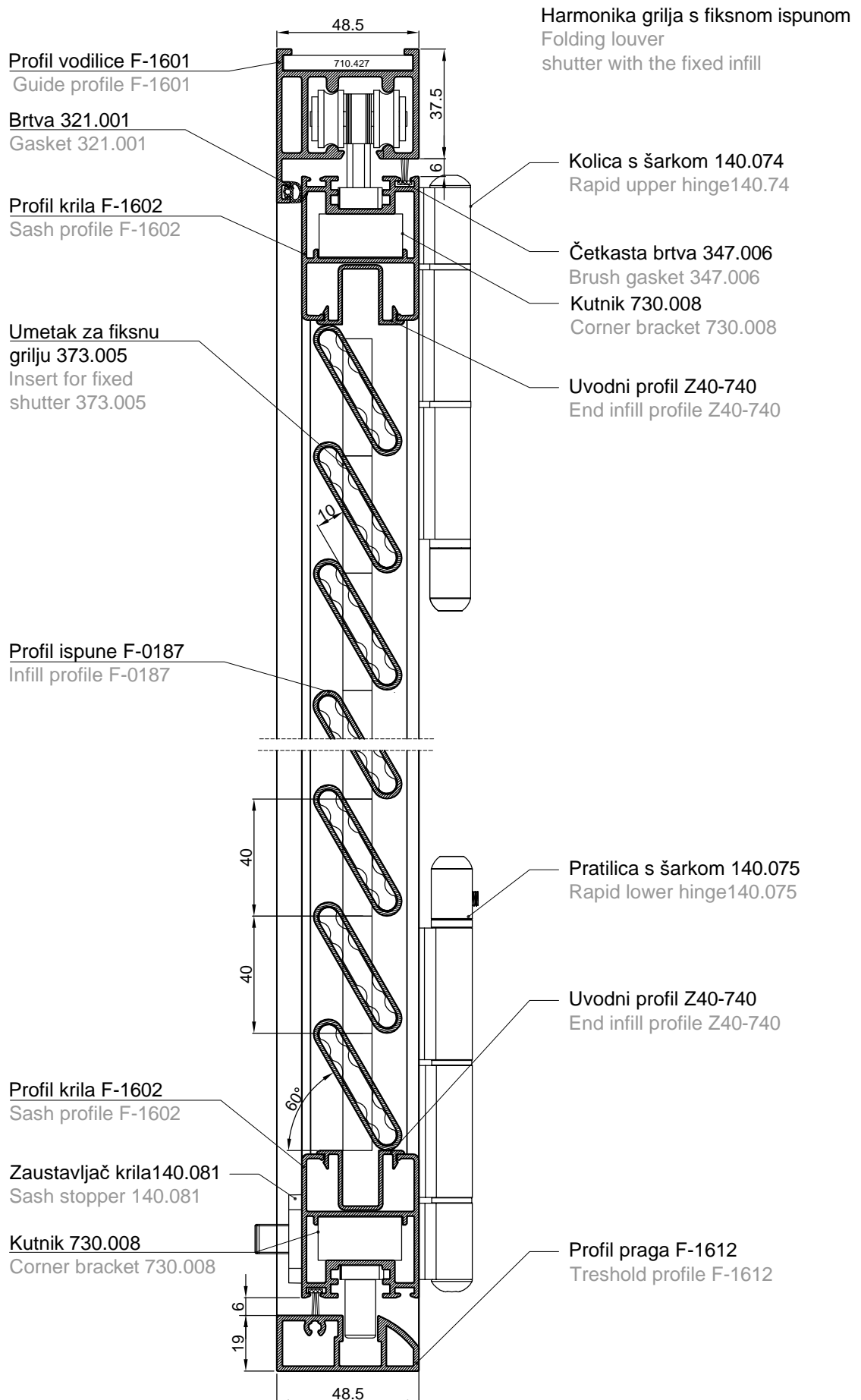
# Značajke sistema

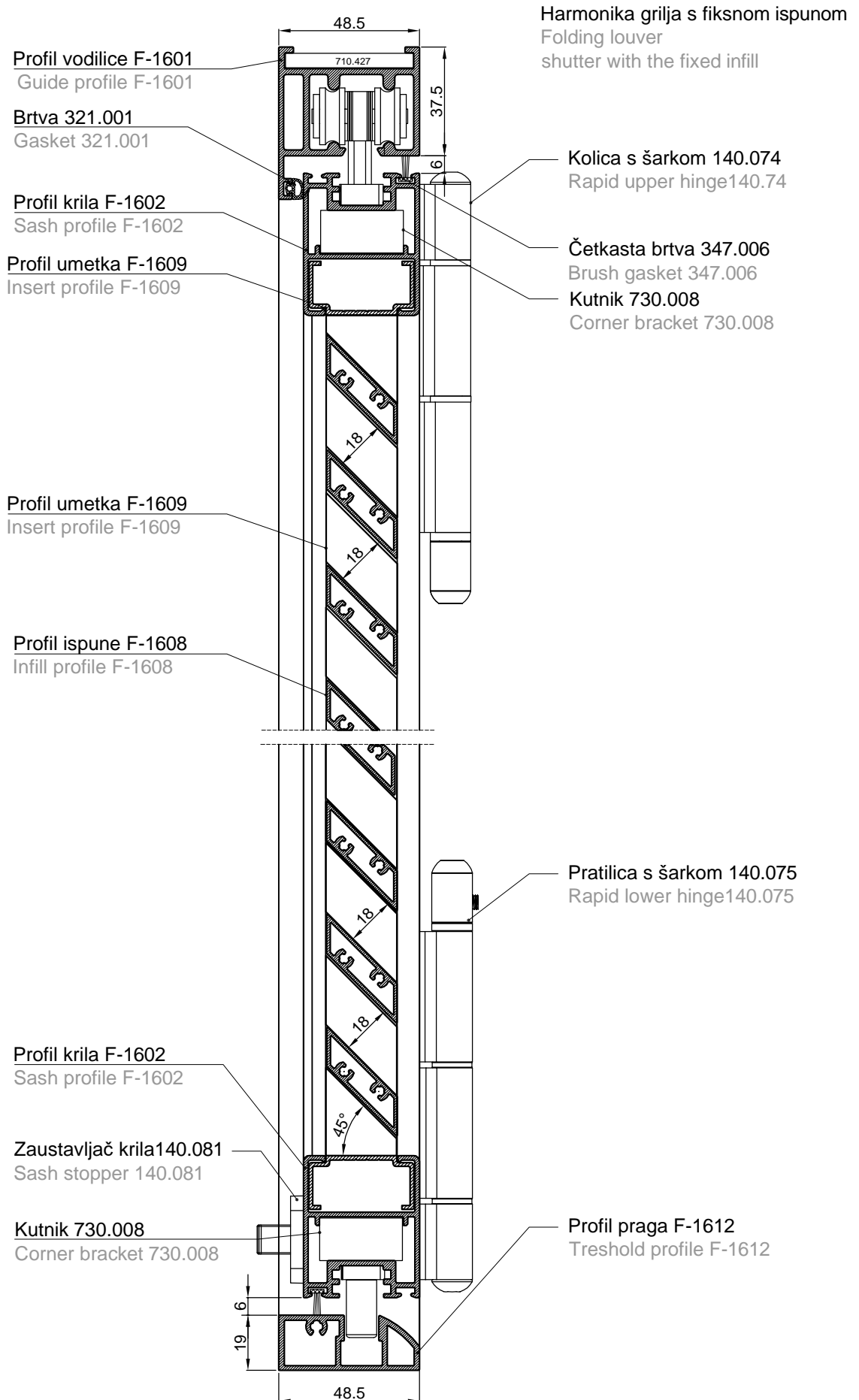
## System characteristics



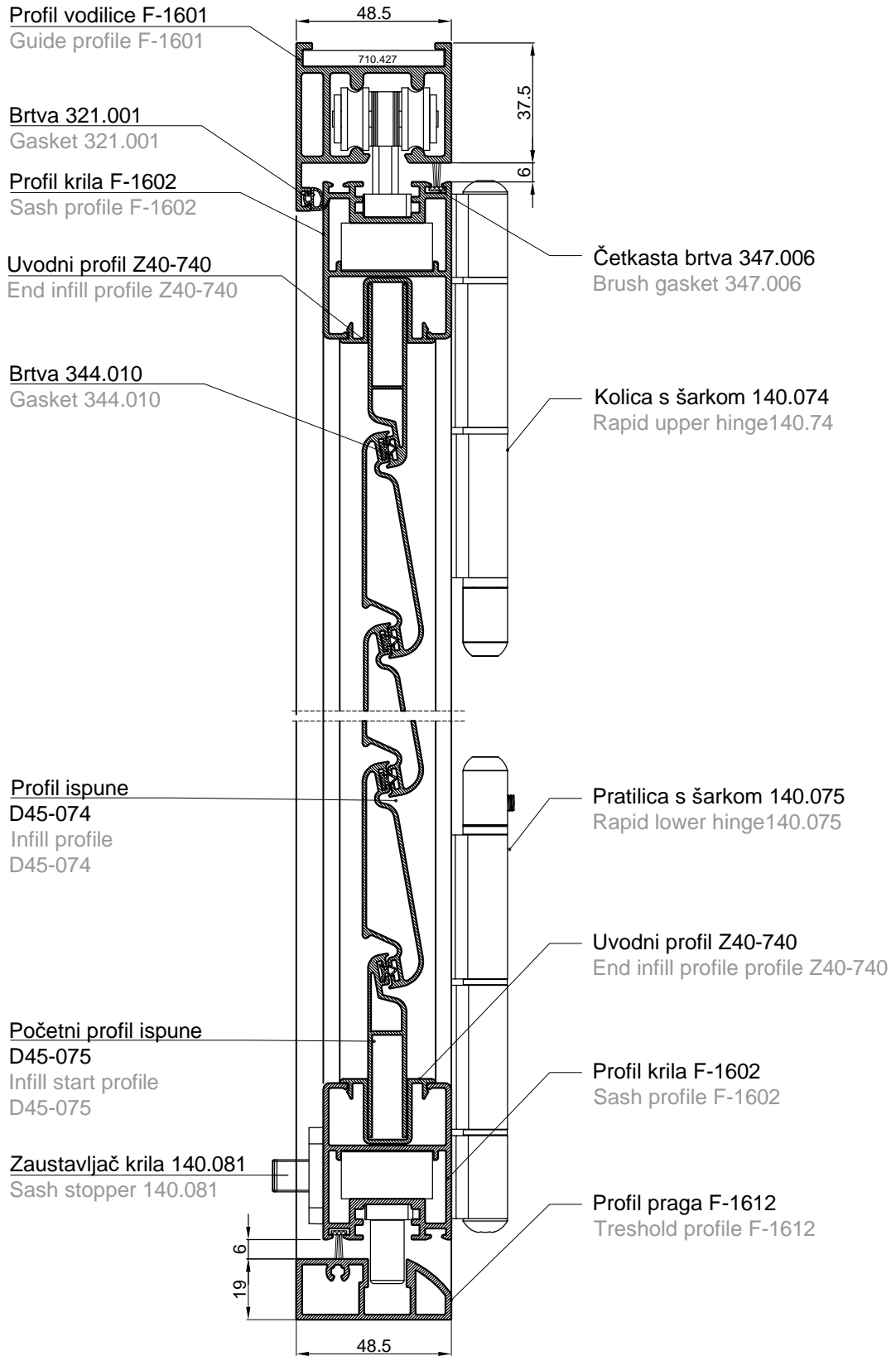




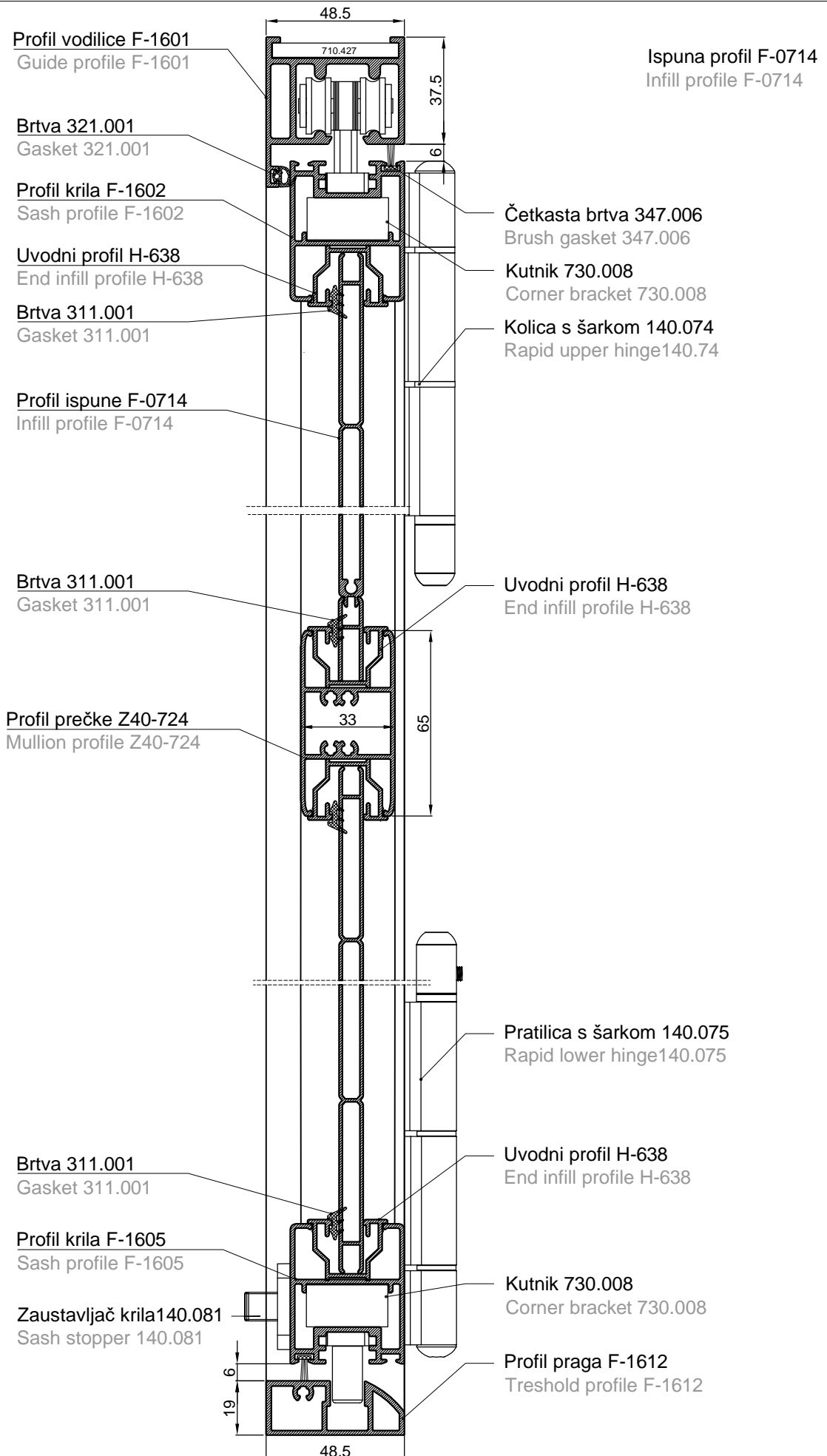




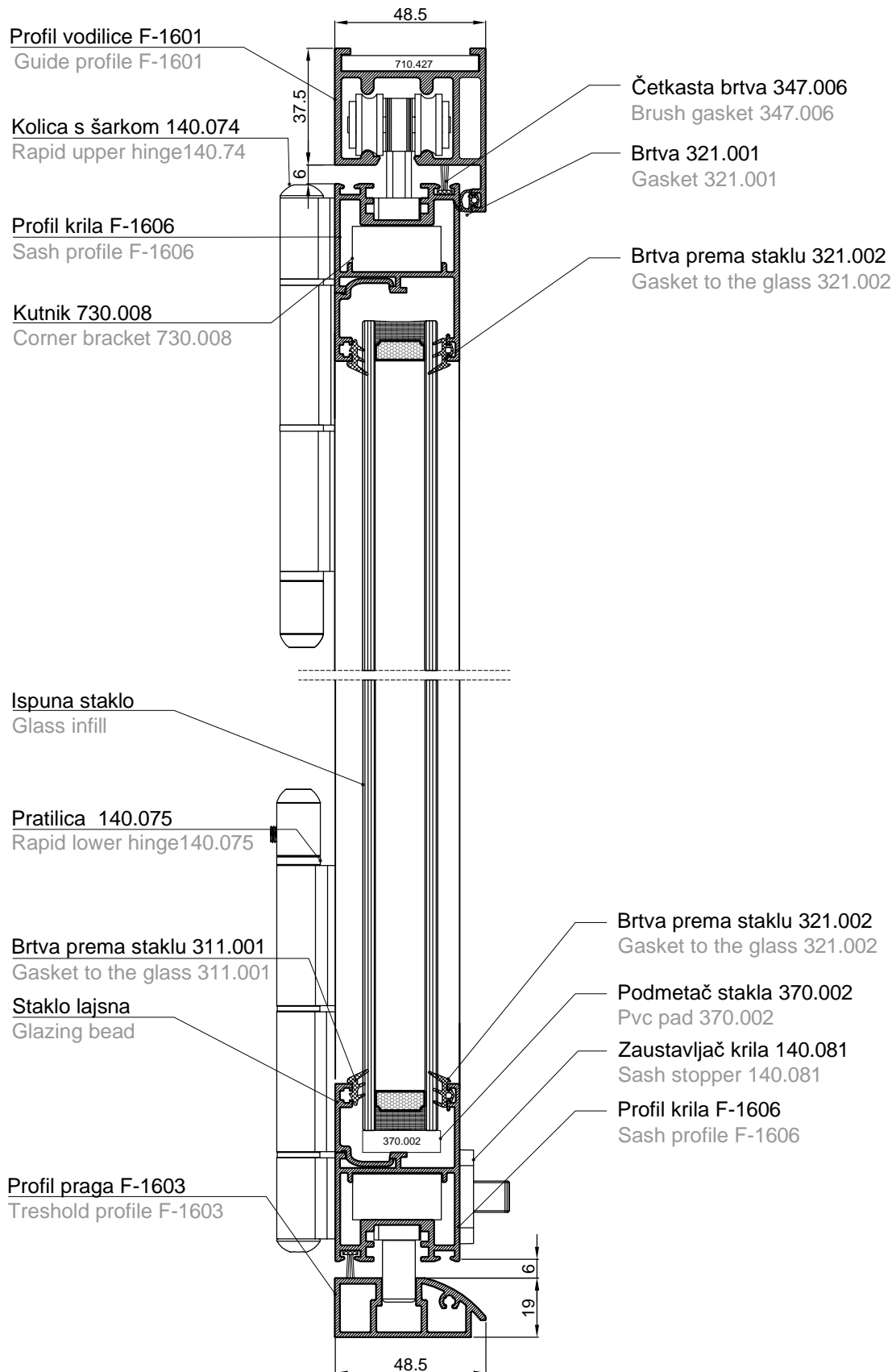
Harmoika grilje s pokretnom ispunom  
Folding louver shutter  
with the movable infill



## GH-40



Harmonika otvori-ispuna staklo  
Folding door system-glass infill



**OPIS SISTEMA GH 40**  
SYSTEM GH 40 DESCRIPTION

Sistem GH 40 koristi se za izradu harmonika grilja, a također je omogućena izrada harmonika otvora u prostorima gdje nije potreban visok stupanja toplinske izolacije jer su profili izrađeni bez PTM-a, a kao ispuna koristi staklo ili drugi materijal. Sistem GH 40 je postojan, otporan na vremenske i ostale utjecaje, lagan za održavanje i rukovanje. Odabir boje po izboru (prema RAL karti, eloksaža te imitacija drveta).

Sistem se odlikuje:

- modernim linijama profila
- jednostavnošću,
- raznovrsnim tipologijama izrade

The GH 40 system is used to producing a folding shutter, and it is also possible to producing an folding openings in areas where no thermal insulation is required because the profiles are made without the thermal bridge and used as infills glass and other material .The GH 40 system is durable, it is resistant to weather and other impacts, easy to maintain and handle. Selection a color by choice (according to the RAL map, the anodization and the imitation wood).

The system is characterised by :

- modern profile lines
- simplicity
- various typologies of production

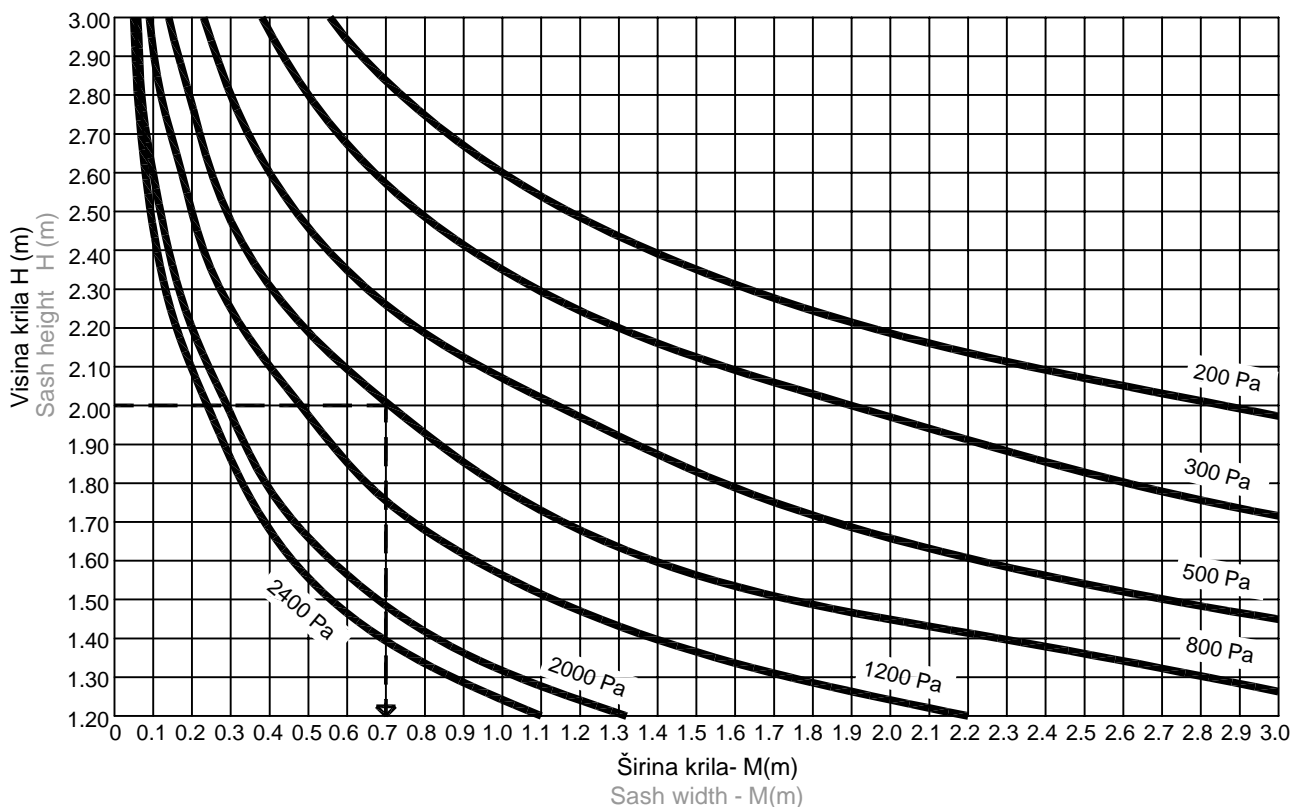
# Ispitivanja i certifikati

## Testing and certificates



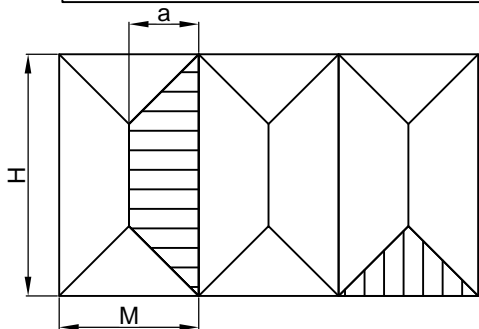
Opterećenje vjetrom  
Wind load

Statistički dijagrami  
Static diagrams

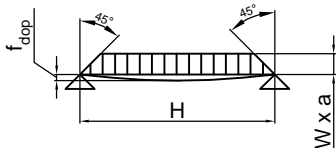


Primjer: Visina krila - H = 2.0 m  
Opt. vjetrom = 800 Pa = 130 km/h  
Rezultat: Moguća širina krila = 0.7 m  
Tlak od 800 Pa odgovara opterećenju vjetrom od 130km/h

Example: Height sash - H = 2.0 m  
Wind load = 800 Pa = 130 km/h  
Result: Possibility width sash = 0.7 m  
The pressure of 800Pa corresponds to the wind load of 130km/h

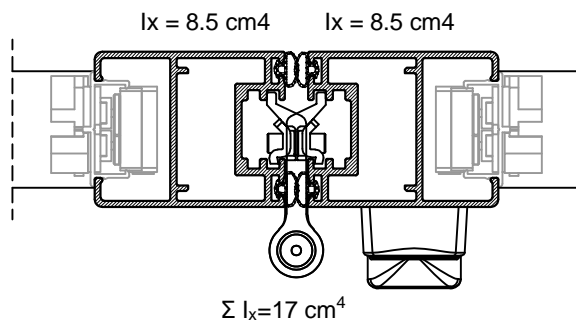


Trapezoidno opterećenje



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

- $I_x$  (cm<sup>4</sup>) = Moment inercije Moment of inertia
- $W$  (kN/m<sup>2</sup>) = Opterećenje vjetrom Wind load
- $H$  (m) = Visina krila Sash height
- $E$  (kN/mm<sup>2</sup>) = Modul elastičnosti Modulus of elasticity
- $f_{dop}$  (mm) = Dopušteni progib Deflection limit
- $a$  (m) = Širina opterećenja = L/a Load width
- $M$  (m) = Širina krila Sash width

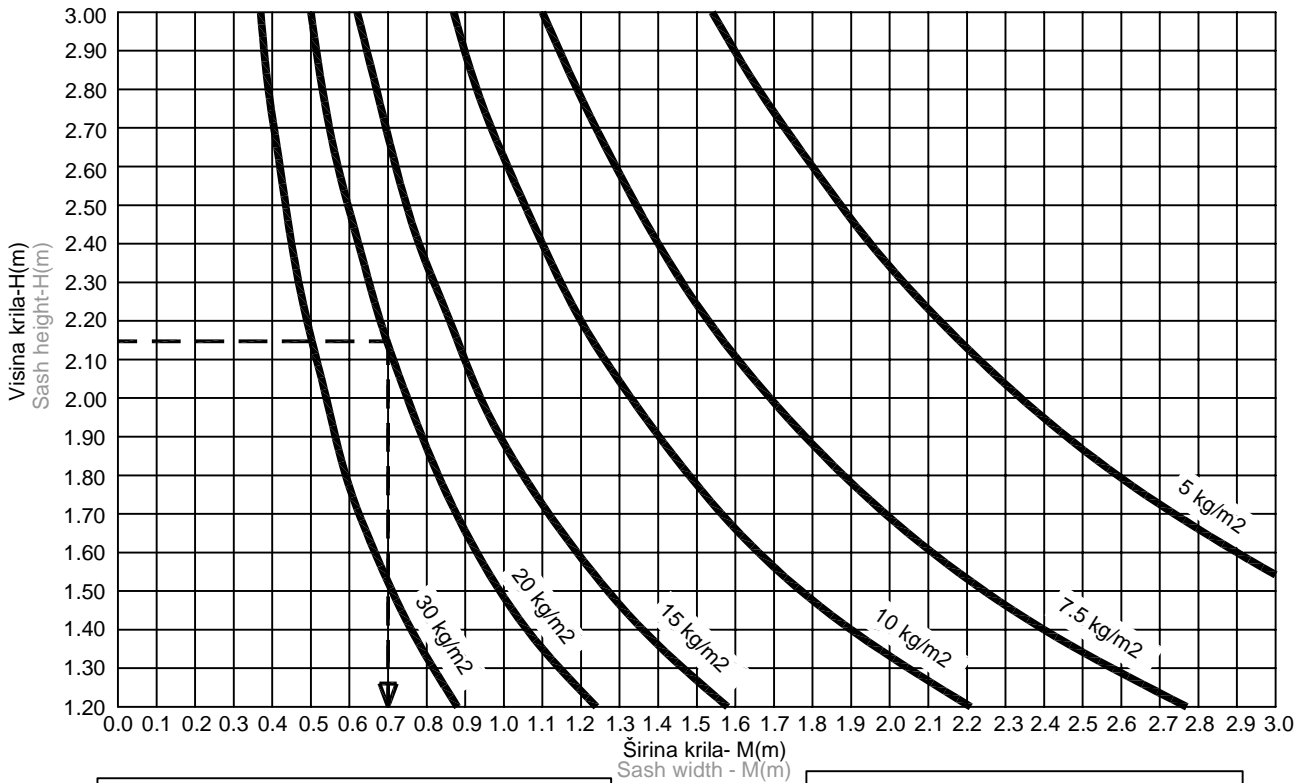


Odabir šarki:

Tipologija Type	Artikli Article	H max	L Min	L Max	Max nosivost Max load capacity
Parna krila/Odd sash	Art. 9147.4 (dvodijelna sarka) Art. 9147.4 (hinge - 2 wings)	1500 mm	350 mm	700 mm	50 Kg po krilu 50 Kg for sash
Neparna krila/Even sash	Art. 9147.46 (trodjelna sarka) Art. 9147.46 (hinge - 3 wings)	2500 mm	-	700 mm	60 Kg po krilu 60 Kg for sash

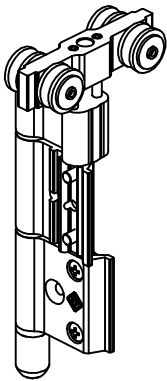
Maksimalna dopuštena težina krila  
Maximum allowable sash weight

Statistički dijagrami  
Static diagrams

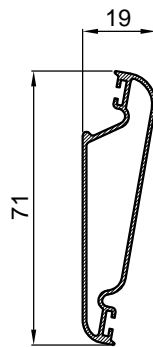


Primjer: Visina krila - H = 2.15 m  
Težina ispune = 20 kg/m<sup>2</sup>  
Rezultat: Moguća širina krila - M = 0.7 m  
Maksimalna težina krila = 30kg

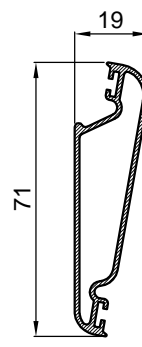
Example: Height sash - H = 2.15 m  
Infill weight = 20kg/m<sup>2</sup>  
Result: Possibility width sash = 0.7 m  
Max weight sashes = 30kg



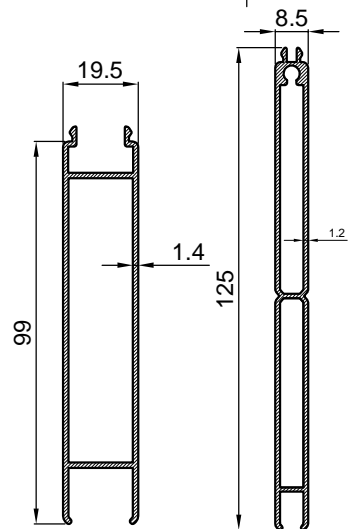
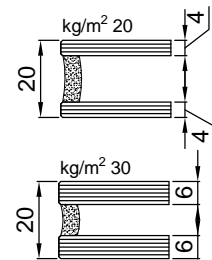
Max nosivost kolica 60 kg  
Max load capacity of the rapid hinge 60 kg



**D45-074/L**  
kg/m<sup>2</sup> 8,01

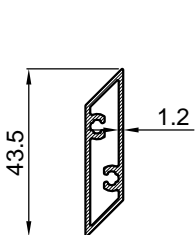


**D45-074**  
kg/m<sup>2</sup> 9,42

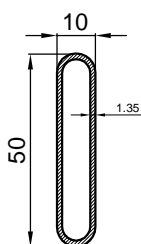


**F-0681**  
kg/m<sup>2</sup> 9,20

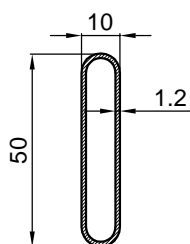
**F-0714**  
kg/m<sup>2</sup> 7,16



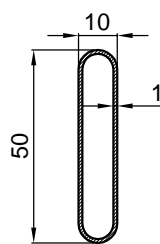
**F-1608**  
kg/m<sup>2</sup> 9,855



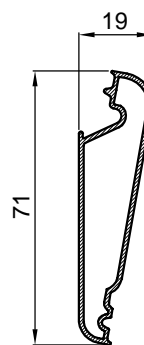
**F-0187**  
kg/m<sup>2</sup> 9,92



**F-0187/A**  
kg/m<sup>2</sup> 8,73



**F-0187/L**  
kg/m<sup>2</sup> 7,67

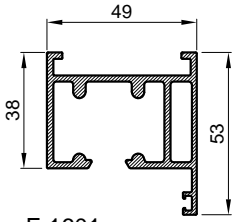


**D45-081**  
kg/m<sup>2</sup> 8,76

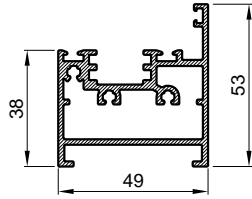
# Profili Profiles



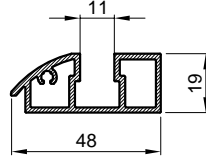
## GH-40



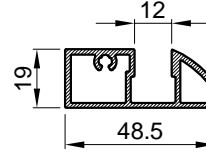
F-1601  
težina kg/m 1.223  
weight kg/m 1.223



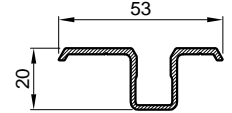
F-1600  
težina kg/m 1.273  
weight kg/m 1.273



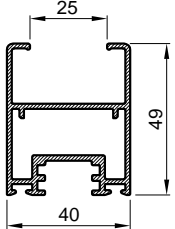
F-1603  
težina kg/m 0.695  
weight kg/m 0.695



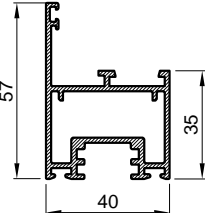
F-1612  
težina kg/m 0.714  
weight kg/m 0.714



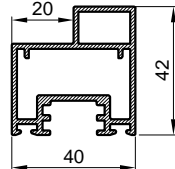
F-1607  
težina kg/m 0.432  
weight kg/m 0.432



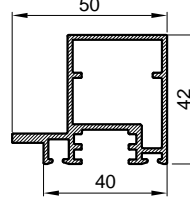
F-1602  
težina kg/m 1.003  
weight kg/m 1.003



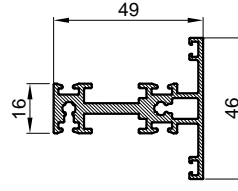
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weight kg/m 1.017



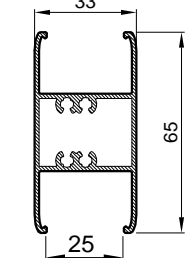
F-1611  
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weight kg/m 0.964



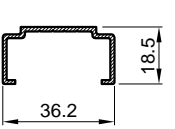
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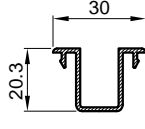
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weight kg/m 1.062



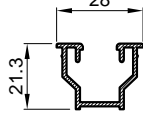
Z40-724  
težina kg/m 0.950  
weight kg/m 0.950



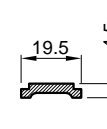
F-1609  
težina kg/m 0.276  
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Z40-740  
težina kg/m 0.266  
weight kg/m 0.266



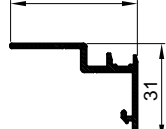
H-638  
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weight kg/m 0.294



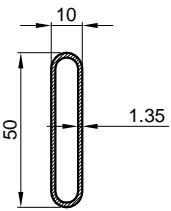
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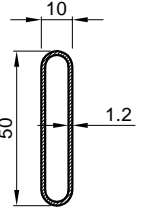
F-1613  
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weight kg/m 0.136



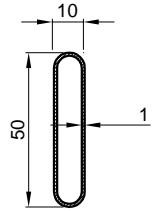
F-0986  
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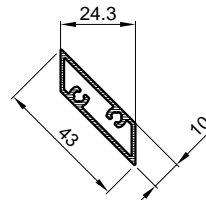
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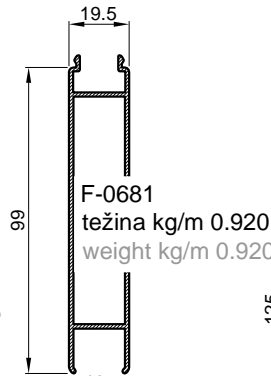
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weight kg/m 0.349



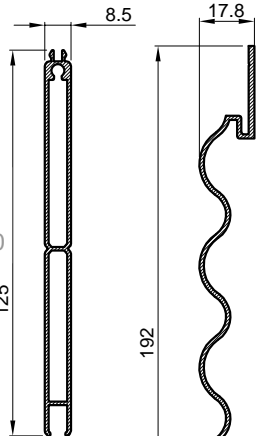
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weight kg/m 0.307



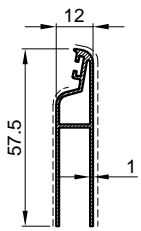
F-1608  
težina kg/m 0.365  
weight kg/m 0.365



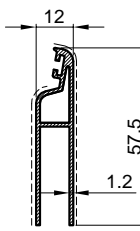
F-0681  
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weight kg/m 0.920



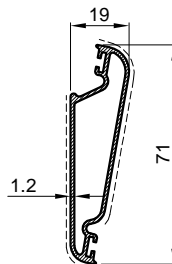
F-0714  
težina kg/m 0.895  
weight kg/m 0.895



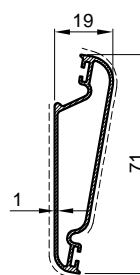
D45-075/L  
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weight kg/m 0.383



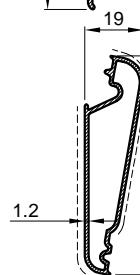
D45-075  
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weight kg/m 0.451



D45-074  
težina kg/m 0.570  
weight kg/m 0.570

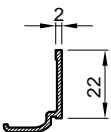


D45-074/L  
težina kg/m 0.485  
weight kg/m 0.485

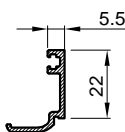


D45-081  
težina kg/m 0.530  
weight kg/m 0.530

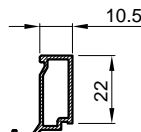
VAL-331  
težina kg/m 0.967  
weight kg/m 0.967



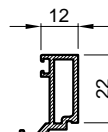
Z40-660  
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weight: kg/ml 0.179



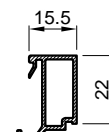
Z40-656  
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weight: kg/ml 0.215



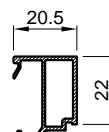
Z40-664  
težina: kg/ml 0.243  
weight: kg/ml 0.243



F-0784  
težina: kg/ml 0.330  
weight: kg/ml 0.330

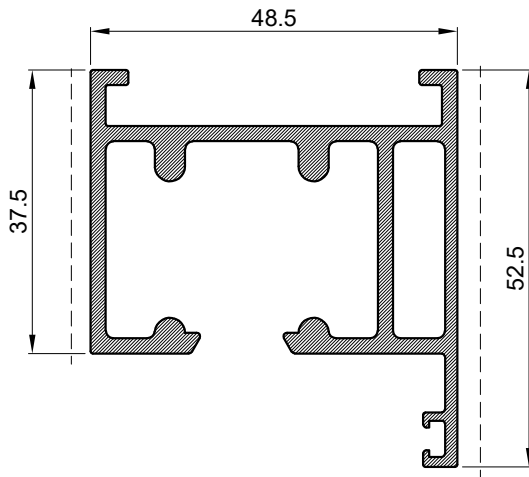


Z40-665  
težina: kg/ml 0.272  
weight: kg/ml 0.272

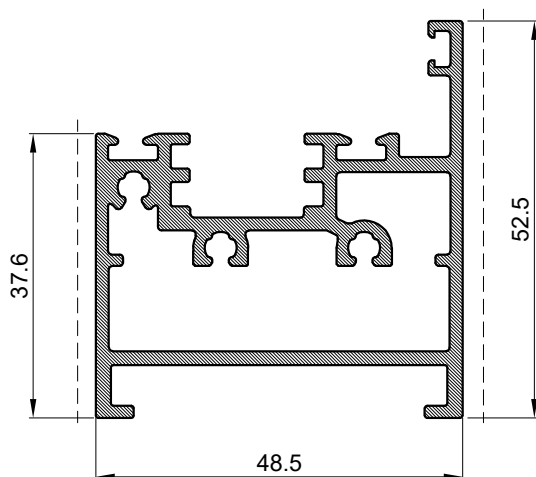


Z40-666  
težina: kg/ml 0.289  
weight: kg/ml 0.289

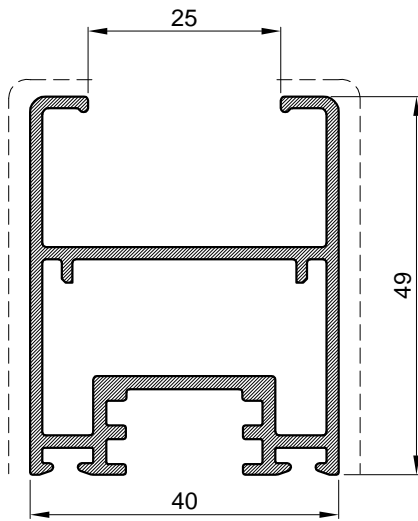




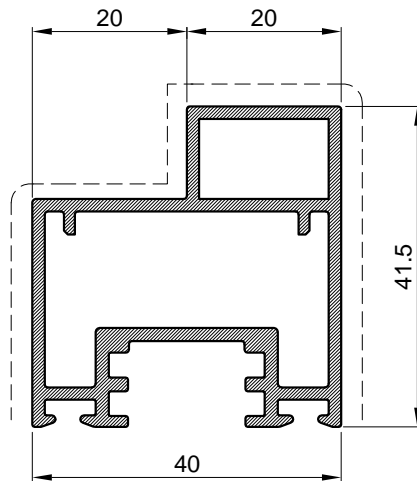
Profil vodilice Guide profile		
Art.Br. Art.Nr.	<b>F-1601</b>	
Težina Weight	kg/m'	<b>1.223</b>
Opseg Perimeter	mm	<b>366.3</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>8.38</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>14.24</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.68</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>5.33</b>
L	mm	<b>6500</b>



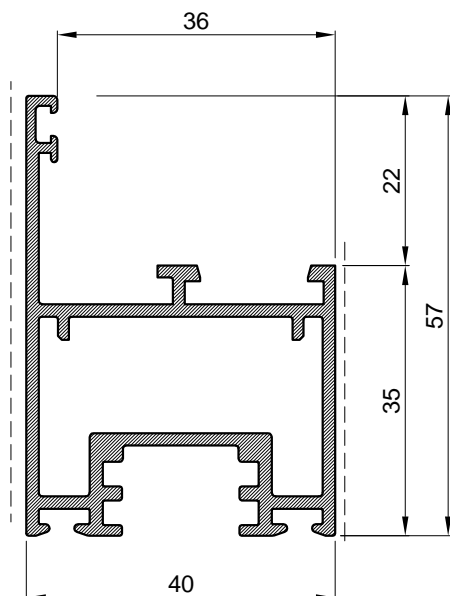
Profil rama Frame profile		
Art.Br. Art.Nr.	<b>F-1600</b>	
Težina Weight	kg/m'	<b>1.273</b>
Opseg Perimeter	mm	<b>309.56</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>7.32</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>14.24</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.48</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>5.67</b>
L	mm	<b>6500</b>



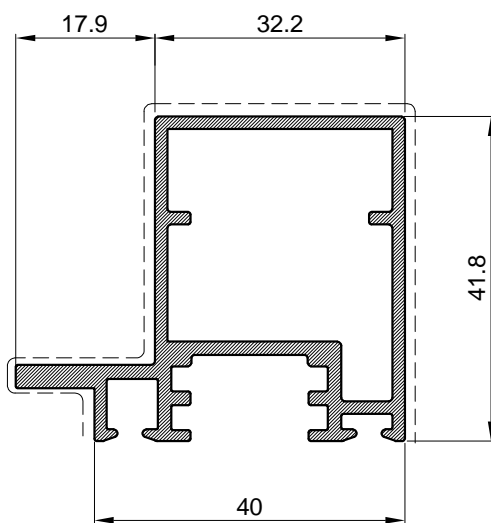
Profil krila Sash profile		
Art.Br. Art.Nr.	<b>F-1602</b>	
Težina Weight	kg/m'	<b>1.003</b>
Opseg Perimeter	mm	<b>301.34</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>7.70</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>8.51</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.67</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>4.25</b>
L	mm	<b>6500</b>



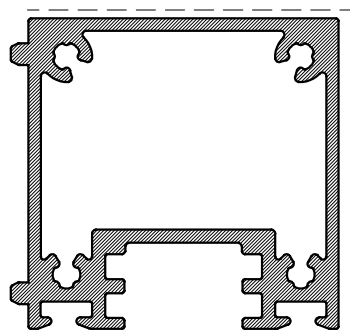
Profil krila Sash profile		
Art.Br. Art.Nr.	<b>F-1611</b>	
Težina Weight	kg/m'	<b>0.964</b>
Opseg Perimeter	mm	<b>225.4</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>5.89</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>6.74</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.58</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>3.09</b>
L	mm	<b>6500</b>



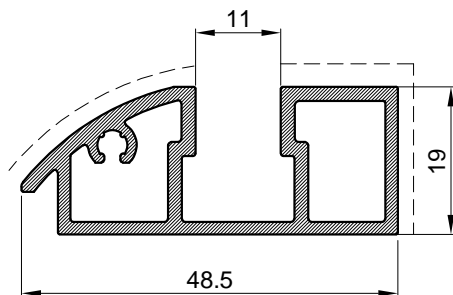
Profil krila Sash profile		
Art.Br. Art.Nr.	<b>F-1606</b>	
Težina Weight	kg/m'	<b>1.017</b>
Opseg Perimeter	mm	<b>304</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>7.48</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>8.01</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.11</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>3.65</b>
L	mm	<b>6500</b>



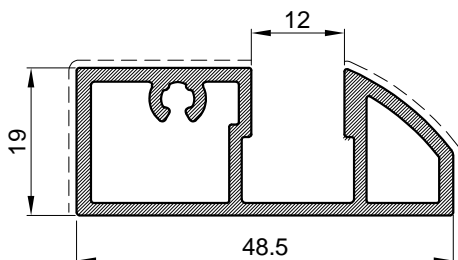
Profil krila Sash profile		
Art.Br. Art.Nr.	<b>F-1657</b>	
Težina Weight	kg/m'	<b>0.940</b>
Opseg Perimeter	mm	<b>255.21</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>6.58</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>7.68</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.73</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>2.58</b>
L	mm	<b>6500</b>



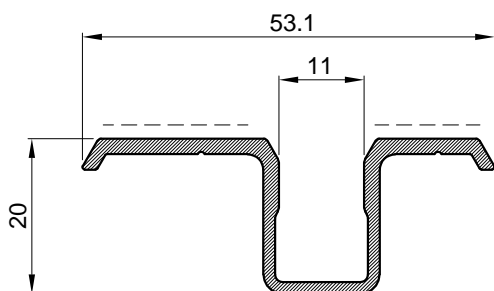
Profil za spoj 90° Corner profile 90°		
Art.Br. Art.Nr.	<b>F-1808</b>	
Težina Weight	kg/m'	<b>1.11</b>
Opseg Perimeter	mm	<b>230</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>8.32</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>9.37</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>4.04</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>4.33</b>
L	mm	<b>6500</b>



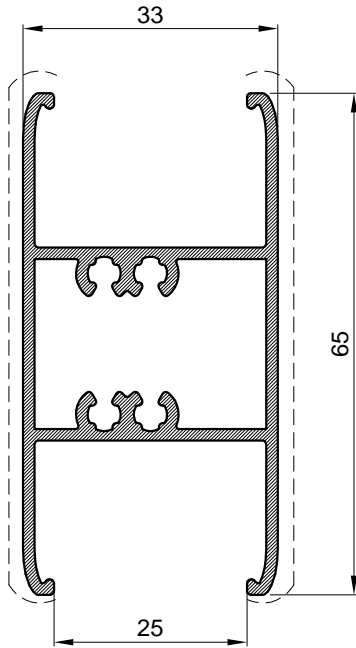
Profil praga Treshold profile		
Art.Br. Art.Nr.	<b>F-1603</b>	
Težina Weight	kg/m'	<b>0.695</b>
Opseg Perimeter	mm	<b>170.81</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>1.056</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>5.44</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>1.02</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>2.10</b>
L	mm	<b>6500</b>



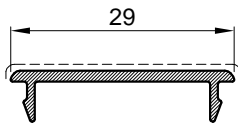
Profil praga -otvaranje vani- Treshold profile -outside opening-		
Art.Br. Art.Nr.	<b>F-1612</b>	
Težina Weight	kg/m'	<b>0.714</b>
Opseg Perimeter	mm	<b>166.06</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>1.21</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>6.17</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>1.2</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>2.42</b>
L	mm	<b>6500</b>



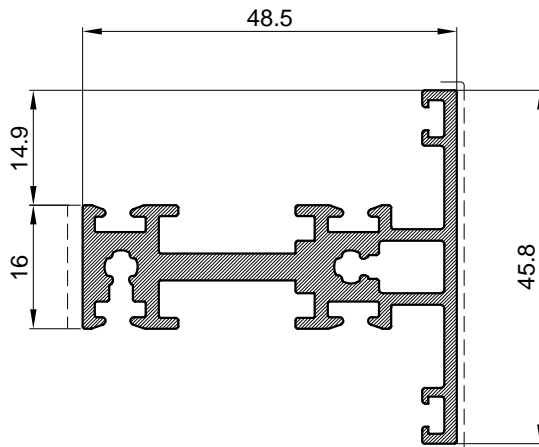
Profil praga Treshold profile		
Art.Br. Art.Nr.	<b>F-1607</b>	
Težina Weight	kg/m'	<b>0.432</b>
Opseg Perimeter	mm	<b>180.42</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>0.75</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>2.29</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>0.56</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>1.04</b>
L	mm	<b>6500</b>



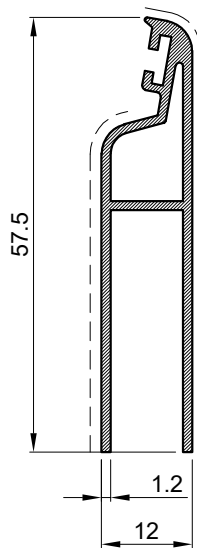
Profil prečke Mullion profile		
Art.Br. Art.Nr.	<b>Z40-724</b>	
Težina Weight	kg/m'	<b>0.950</b>
Opseg Perimeter	mm	<b>287.94</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>9.59</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>5.8</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>2.95</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>3.42</b>
L	mm	<b>6500</b>



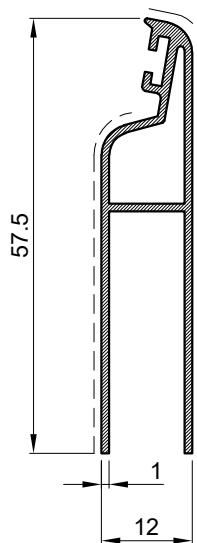
Čep za prečku Plug for mullion profile		
Art.Br. Art.Nr.	<b>F-1613</b>	
Težina Weight	kg/m'	<b>0.136</b>
Opseg Perimeter	mm	<b>79</b>
L	mm	<b>6500</b>



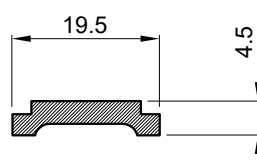
Profil prečke Mullion profile		
Art.Br. Art.Nr.	<b>F-1658</b>	
Težina Weight	kg/m'	<b>1.062</b>
Opseg Perimeter	mm	<b>332.57</b>
Moment inercije	I <sub>x</sub> (cm <sup>4</sup> )	<b>2.4</b>
	I <sub>y</sub> (cm <sup>4</sup> )	<b>10.54</b>
Moments of inertia	W <sub>x</sub> (cm <sup>3</sup> )	<b>1.05</b>
	W <sub>y</sub> (cm <sup>3</sup> )	<b>3.89</b>
L	mm	<b>6500</b>



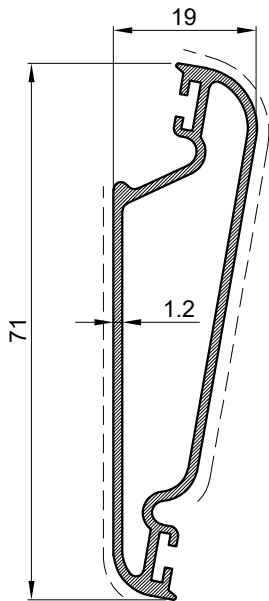
Početni profil ispune Infill start profile		
Art.Br. Art.Nr.	<b>D45-075</b>	
Težina Weight	kg/m'	<b>0.451</b>
Opseg Perimeter	mm	<b>215</b>
L	mm	<b>6500</b>



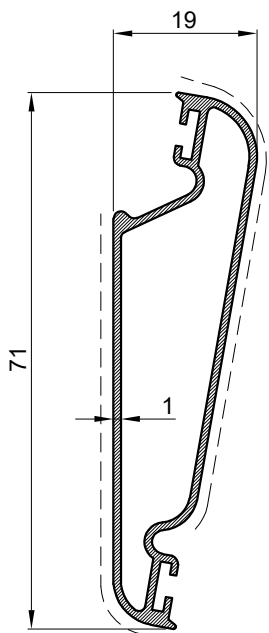
Početni profil ispune Infill start profile		
Art.Br. Art.Nr.	<b>D45-075/L</b>	
Težina Weight	kg/m'	<b>0.383</b>
Opseg Perimeter	mm	<b>214</b>
L	mm	<b>6500</b>



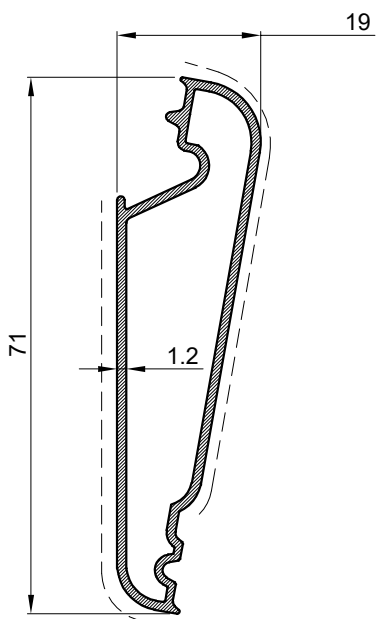
Klizač Slider		
Art.Br. Art.Nr.	<b>NC-1459</b>	
Težina Weight	kg/m'	<b>0.156</b>
Opseg Perimeter	mm	<b>51</b>
L	mm	<b>6500</b>



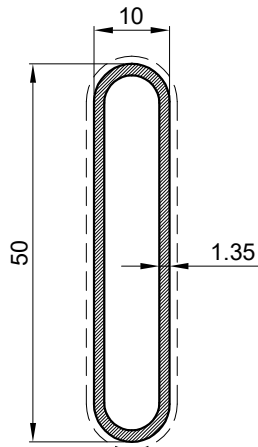
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>D45-074</b>	
Težina Weight	kg/m'	<b>0.570</b>
Opseg Perimeter	mm	<b>195</b>
L	mm	<b>6500</b>



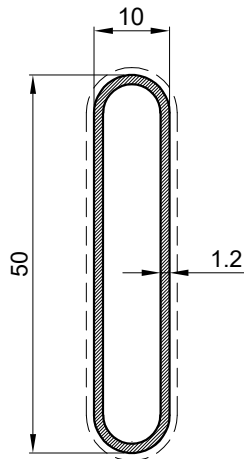
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>D45-074/L</b>	
Težina Weight	kg/m'	<b>0.485</b>
Opseg Perimeter	mm	<b>195</b>
L	mm	<b>6500</b>



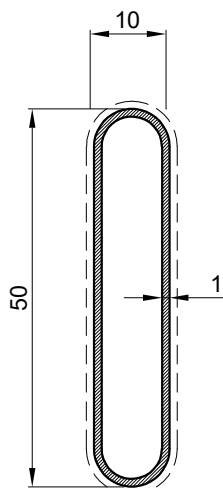
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>D48-081</b>	
Težina Weight	kg/m'	<b>0.530</b>
Opseg Perimeter	mm	<b>174</b>
L	mm	<b>6500</b>



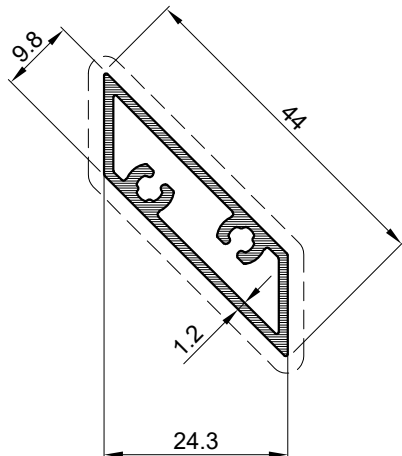
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-0187</b>	
Težina Weight	kg/m'	<b>0.397</b>
Opseg Perimeter	mm	<b>111</b>
L	mm	<b>6500</b>



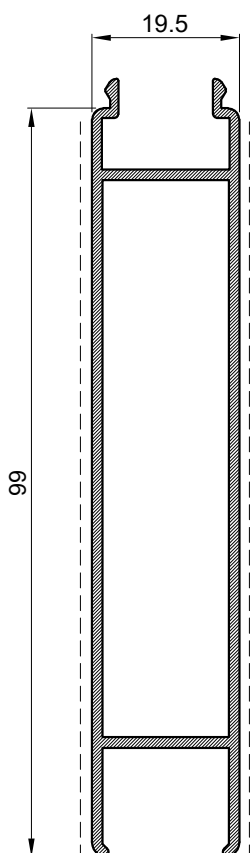
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-0187/A</b>	
Težina Weight	kg/m'	<b>0.349</b>
Opseg Perimeter	mm	<b>111</b>
L	mm	<b>6500</b>



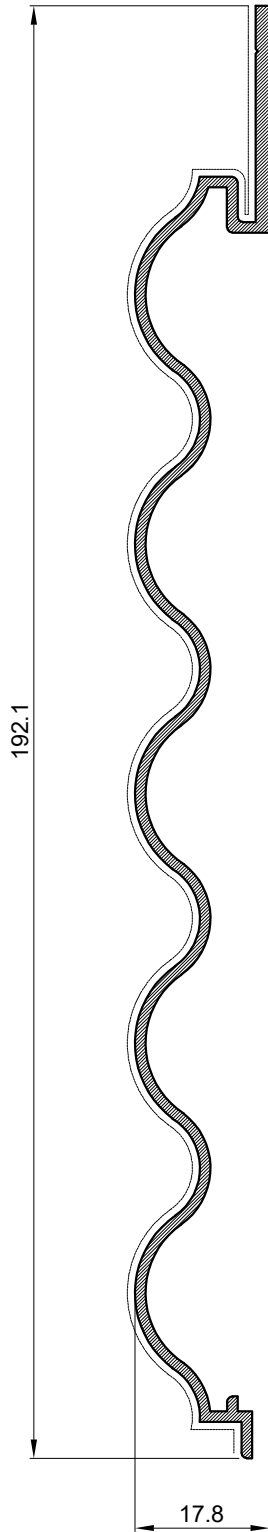
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-0187/L</b>	
Težina Weight	kg/m'	<b>0.307</b>
Opseg Perimeter	mm	<b>111</b>
L	mm	<b>6500</b>



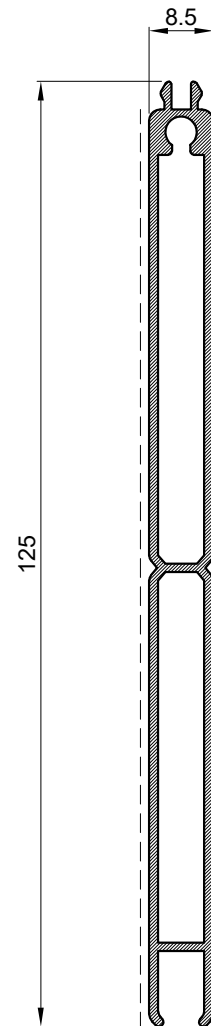
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-1608</b>	
Težina Weight	kg/m'	<b>0.365</b>
Opseg Perimeter	mm	<b>95</b>
L	mm	<b>6500</b>



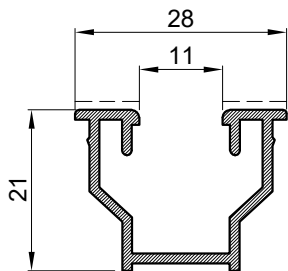
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-0681</b>	
Težina Weight	kg/m'	<b>0.920</b>
Opseg Perimeter	mm	<b>304</b>
L	mm	<b>6500</b>



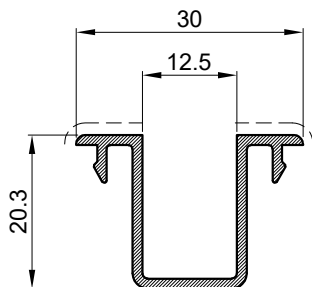
Profil fasadne obloge Facade cladding profile		
Art.Br. Art.Nr.	<b>VAL-331</b>	
Težina Weight	kg/m'	<b>0.967</b>
Opseg Perimeter	mm	<b>497.83</b>
L	mm	<b>6500</b>



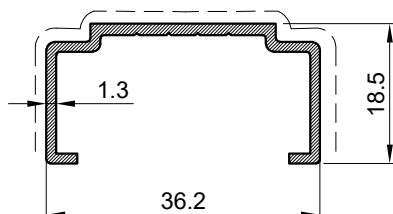
Profil ispune Infill profile		
Art.Br. Art.Nr.	<b>F-0714</b>	
Težina Weight	kg/m'	<b>0.895</b>
Opseg Perimeter	mm	<b>294</b>
L	mm	<b>6500</b>



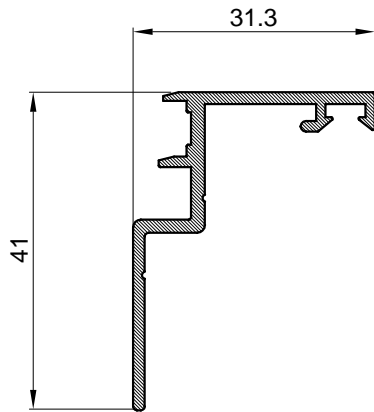
Uvodni profil End infill profile		
Art.Br. Art.Nr.	<b>H-638</b>	
Težina Weight	kg/m'	<b>0.294</b>
Opseg Perimeter	mm	<b>167</b>
L	mm	<b>6500</b>



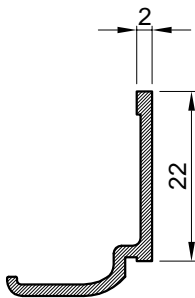
Uvodni profil End infill profile		
Art.Br. Art.Nr.	<b>Z40-740</b>	
Težina Weight	kg/m'	<b>0.266</b>
Opseg Perimeter	mm	<b>154</b>
L	mm	



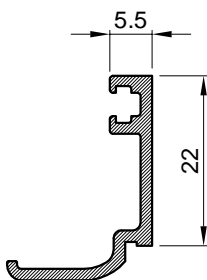
Profil umetka Insert profile		
Art.Br. Art.Nr.	<b>F-1609</b>	
Težina Weight	kg/m'	<b>0.276</b>
Opseg Perimeter	mm	<b>152</b>
L	mm	<b>6500</b>



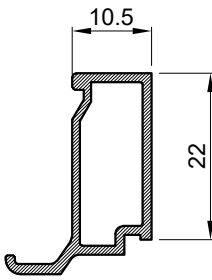
Profil za ugradnju Installation profile		
Art.Br. Art.Nr.	<b>F-0986</b>	
Težina Weight	kg/m'	<b>0.363</b>
Opseg Perimeter	mm	<b>177.16</b>
L	mm	<b>6500</b>



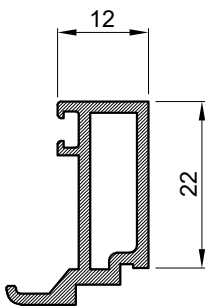
Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>Z40-660</b>	
Težina Weight	kg/m'	<b>0.179</b>
Opseg Perimeter	mm	<b>89.00</b>
L	mm	<b>6500</b>



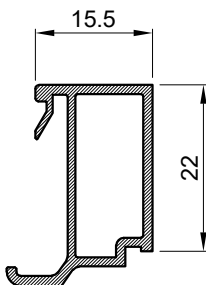
Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>Z40-656</b>	
Težina Weight	kg/m'	<b>0.215</b>
Opseg Perimeter	mm	<b>107</b>
L	mm	<b>6500</b>



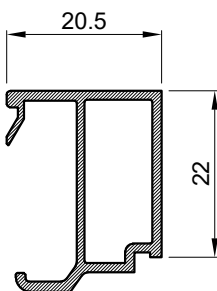
Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>Z40-664</b>	
Težina Weight	kg/m'	<b>0.243</b>
Opseg Perimeter	mm	<b>93</b>
L	mm	<b>6500</b>



Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>F-0784</b>	
Težina Weight	kg/m'	<b>0.330</b>
Opseg Perimeter	mm	<b>105</b>
L	mm	<b>6500</b>



Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>Z40-665</b>	
Težina Weight	kg/m'	<b>0.272</b>
Opseg Perimeter	mm	<b>112</b>
L	mm	<b>6500</b>

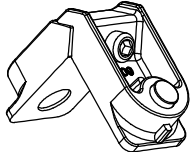
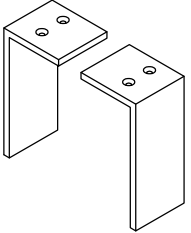
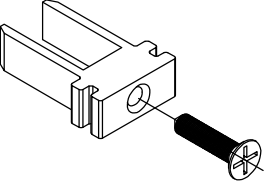
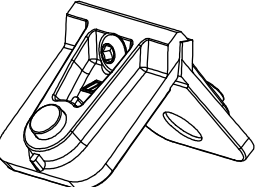
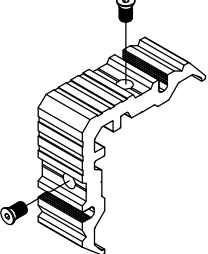
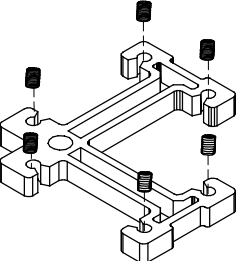


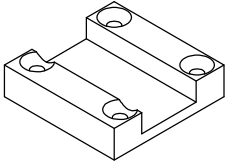
Staklolajsna Glazing bead		
Art.Br. Art.Nr.	<b>Z40-666</b>	
Težina Weight	kg/m'	<b>0.289</b>
Opseg Perimeter	mm	<b>122</b>
L	mm	<b>6500</b>



# Vežni elementi Connection elements

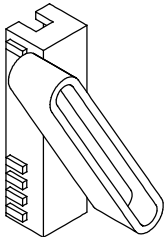
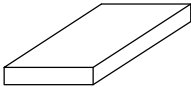
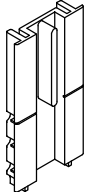
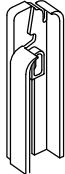
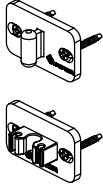
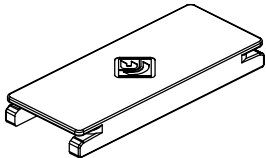


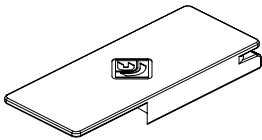
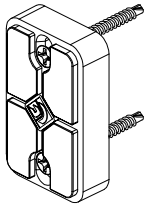
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
730.008		-Kutna spojnica prozora-za komoru 29x15.1 -Za profile: F-1602 -Stara oznaka: 0409 -Corner bracket for chamber 29x15.1 -For profile: F-1602 -Former code: 0409	Zamak	
710.427	 l=44 mm 4.2x50 ISO 7981	-Kutna spojnica za komoru 44.5x5.5 (par) -Za profile: F-1600 F-1601 -Corner bracket for chamber 44.5x 5.5(even) -For profile: F-1600 F-1601	Al	
710.424	 l=8.4 mm 4.2x25 ISO 7981	-Veznik 14.5x 8.5 -Za profile: F-1600 F-1603 -Connection elements 14.5x 8.5 -For profile: F-1600 F-1603	Al	
731.011		-Kutna spojnica za komoru 45 x11 -Za profile: F-1606 -Izvorna oznaka: 0342/250 -Corner bracket for chamber 45x11-Monticeli -For profile: F-1606 -Former Code: 0342/250	Zamak	
710.468		-Kutna spojnica za komoru 29x15.2 -Za profile: F-1657 -Corner bracket for chamber 29x 15.2 -For profile: F-1657	Al	
521.460		-Kutna spojnica za komoru 5.4x44.5 -Za ram grilje pod kutem -Za profile: F-1601 -Corner bracket for chamber 5.4x 44.5 -For corner joint of the frame -For profile: F-1601	Al	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
391.258		Pločica za profil kuta F-1808 -Za krilo grilje pod kutem -Za profile: F-1808 -Plate for corner profile -For sash of the shutter at the angle -For profile: F-1808	Al	

**PVC elementi**  
PVC elements

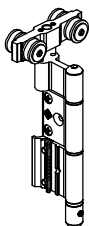
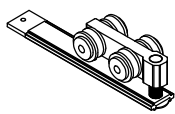
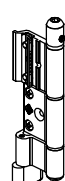
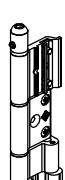
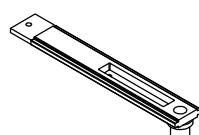
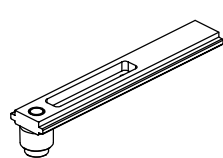


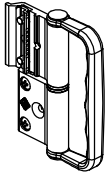

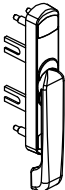

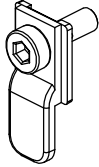

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
373.005		<ul style="list-style-type: none"> <li>-Umetak za fiksnu grilju</li> <li>-Umeće se u profil Z40-740</li> <li>-Prihvaća profil lamele F-0187</li> <li>-Stara oznaka: 2101-PR</li> <li>-Insert for fixed shutter</li> <li>-Inserting in profiles Z40-740</li> <li>-Accepted profile F-0187</li> <li>-Former code: 2101-PR</li> </ul>	PVC	
370.000 370.001 370.002		<ul style="list-style-type: none"> <li>-Podmetači za staklo</li> <li>-PVC pad</li> <li style="padding-left: 20px;">3 mm      370.000</li> <li style="padding-left: 20px;">5 mm      370.001</li> <li style="padding-left: 20px;">7 mm      370.002</li> <li>-Stara oznaka: 210001319</li> <li>-Former code:210001319</li> </ul>	PVC	
370.064		<ul style="list-style-type: none"> <li>-Umetak iza mehanizma (utor 25mm), za početnu i završnu lamelu kod grilje sa pokretnim lamelama.</li> <li>- B.B.C. Italija</li> <li>-Insert behind mechanism (groove 25mm) for start and shutter</li> </ul>	PVC	
370.065		<ul style="list-style-type: none"> <li>-Umetak za početnu i završnu lamelu kod grilje sa pokretnim lamelama.</li> <li>- B.B.C. Italija</li> <li>-Insert for start and close the end shutter</li> </ul>	PVC	
140.081		<ul style="list-style-type: none"> <li>-Osigurač protiv zatvaranja</li> <li>-Izvorna oznaka:93638.6</li> <li>-Proizvođač Master</li> <li>-Sash stopper</li> <li>-Former code:93638.6</li> <li>-Manufacturer by Master</li> </ul>	PVC	
370.069		<ul style="list-style-type: none"> <li>-Poklopac prozorskog okvira</li> <li>-Proizvođač:Master</li> <li>-Izvorna Oznaka. A 2337</li> <li>-Cover plug for upper frame</li> <li>-Manufacturer:Master</li> <li>Former Code. A 2337</li> </ul>	PVC	

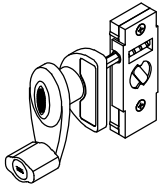
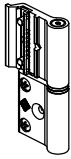
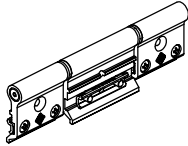
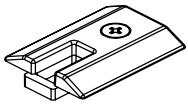
Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
370.072		<ul style="list-style-type: none"> <li>-Poklopac prozorskog okvira za parna krila</li> <li>-Proizvođač: Master</li> <li>-Izvorna Oznaka: A 2337</li> <li>-Cover plug for upper frame</li> <li>-Manufacturer: Master</li> <li>Former Code. A 2337</li> </ul>	PVC	
140.087		<ul style="list-style-type: none"> <li>-Odbojnik za osigurač protiv zatvaranja</li> <li>-Proizvođač: Master</li> <li>-Izvorna oznaka: A93638.4</li> <li>-Door bumper for sash stoper</li> <li>-Manufacturer: Master</li> <li>-Former Code. A93638.4</li> </ul>	PVC	

# Mehanizmi Mechanisms



Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
140.074.01 02 03		-Šarka s kolicima za neparna krila -Izvorna oznaka: 93630.5A -Rapid upper hinge for odd sash -Former code: 93630.5A		
140.078		-Kolica za parna krila -Izvorna oznaka: A93635.4 -Upper hinge for even sash -Former code:A 93635.4		
140.075.01 02 03		-Šarka s pratilicom 11mm -Izvorna oznaka: A93630.6A -Rapid lower hinge for odd sash 11mm -Former code:A 93630.6A		
140.082.01 02 03		-Šarka s pratilicom 15mm -Izvorna oznaka: A93630.6B -Rapid lower hinge for odd sash 15mm -Former code:A 93630.6B		
140.076		-Pratilica za parna krila 11 mm -Izvorna oznaka: A83635.5 -Lower guide for even sash 11 mm -Former code:A83635.5		
140.083		-Pratilica za parna krila 15 mm -Izvorna oznaka: A83635.6 -Lower guide for even sash 15mm -Former code:A83635.6		





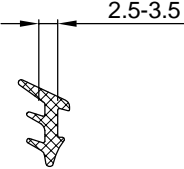
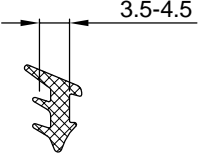
Oznaka Code	Opis Description	Materijal Material	Napomena Remark
107.005.01 02 03	 <p>-Šarka s ručkom -Izvorna oznaka: 93638.8 -Handle hinge -Former code:93638.8</p>		
107.006.01 02 03	 <p>-Ručka -Izvorna oznaka: 6027.7 -Handle -Former code:6027.7</p>		
107.007.01 02 03	 <p>-Ručka -Izvorna oznaka: 6027.7 -Handle -Former code:6027.7</p>		
140.079	 <p>-Zapinjač -Izvorna oznaka: 4032.68 -Rod-end for latch -Former code:4032.68</p>		
140.080	 <p>-Umetak između klizača i ručke -Izvorna oznaka: 6427.1 -Junction block for handle -Former Code:6427.1</p>		
140.040.01 03	 <p>Element za pokretnu grilju-lijevi i desni -umeće se u profil krila grilje -Prihvata profile D 45-074 -Boje 01- bijela; 03- crna - -Mehanizam za utor 25mm A movable shutter element-left and right -inserted in a profile shutter -accepted profile D45-074 -Colors:White01;Black 03 -Mechanism for groove 25 mm</p>		

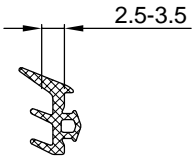
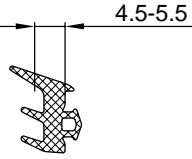
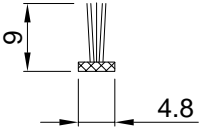
Oznaka Code	Opis Description	Materijal Material	Napomena Remark
140.073.01 03	 <p>-Mehanizam sa ručicom za okretanje lamela -Stara oznaka: BBC ROLY -Boje: 01- bijela; 03- crna -Za mehanizam 25mm -Jedna ručica pokreće 10 lamela grilje</p> <p>-Mechanism with handle for starting the shutters -Former code: BBC ROLY -Colors:01-white; 03-black Mechanism for groove 25mm Mechanism moves 10 elements of shutters</p>		
116.014.01 02 03	 <p>-Šarka -Izvorna oznaka: 9147.4 -Hinge -Former code:9147.4</p>		
116.015.01 02 03	 <p>- Šarka - Izvorna oznaka:9147.46 -Hinge -Former code.9147.46</p>		
140.085	 <p>- Prihvatnik zapinjača za žlijeb 15mm - Izvorna oznaka:A93638.2 -Latch keeper(only for 15mm) -Former code.A93638.2</p>		



**Brtve**  
Gaskets





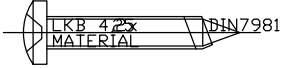
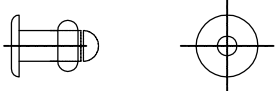


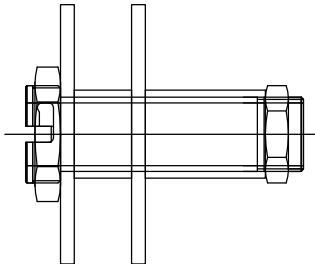
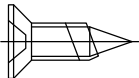

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
321.001		-Brtva u ramu -Stara oznaka: (Z106) -Gasket in frame -Former code: (Z106)	EPDM	
314.001		-Brtva u krilu i ramu -Stara oznaka Z-10 -Gasket in sash and frame -Former code: Z-10	TPE	
344.014		-Brtva na spoju lamela -Stara oznaka: C781-M -Gasket between shutters -Former code: C781-M	TPE	
344.010		-Brtva na spoju lamela -Stara oznaka: 01104-M -Gasket at joint shutter -Former code: 01104-M	TPE	
311.001		-Brtva prema staklu /unutarnja/ -Stara oznaka 210.001.125 (921) -Gasket to the glass /interior/ -Former code:210.001.125 (921)	EPDM	
311.002		-Brtva prema staklu /unutarnja/ -Stara oznaka 210.001.123 (918) -Gasket to the glass /interior/ -Former code 210.001.123 (918)	EPDM	

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
321.002		<ul style="list-style-type: none"> <li>-Brtva prema staklu /vanjska/</li> <li>-Stara oznaka - (Z111)</li> <li>-Gasket to the glass /exterior/</li> <li>-Former code -(Z111)</li> </ul>	EPDM	
321.003		<ul style="list-style-type: none"> <li>-Brtva prema staklu /vanjska/</li> <li>-Stara oznaka - (Z113)</li> <li>-Gasket to the glass /exterior/</li> <li>-Former Code: - (Z113)</li> </ul>	EPDM	
347.006		<ul style="list-style-type: none"> <li>- Četkasta brtva 4.8x9</li> <li>-Brush gasket 4.8x9</li> </ul>		

**Dodaci**  
Accessories



Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
433.007		Vijak 3.5x25 DIN 7981 Screw 3.5x25 DIN 7981	Inox A2	
433.120		Vijak 4.2x25 DIN 7982 Screw 4..2x25 DIN 7982	Inox A2	
433.036		Vijak 4.2x45 DIN 7981 Screw 4..2x45 DIN 7981	Inox A2	
430.187		Udarna tipla N6 x 60 Expansion plug with screw SX6 x 30		
433.032		Vijak 4.2x25 DIN 7981 Screw 4.2x25 DIN 7981	Inox A2	
434.008		Nitna FN 4/8 DIN 7337 Pop Rivet FN 4/8 DIN 7337		

Oznaka Code	Izgled-presjek View-cross section	Opis Description	Materijal Material	Napomena Remark
220.028		<p>Snop glodala za obradu prečke Z40-724 prema profilu prečke F-1602 Iz serije Harmonika otvori GH 40 End mill cutter for processing mullion profile Z40-724 to the profile F1602 From system Folding openings GH 40</p>	Čelik Steel	
433.129		<p>Vijak 4.8x16 DIN 7982 Screw 4.8x16 DIN 7982</p>	Inox A2	
433.018		<p>Vijak 3.9x19 DIN 7981 Screw 3.9x19 DIN 7981</p>	Inox A2	

# Prikaz stakljenja Glazing



Vanjska brtva Exterior gasket		Unutarnje brtve Interior gasket	
321.003 (Z113)	321.002 (Z111)	311.002	311.001

$a+b > 7.5$

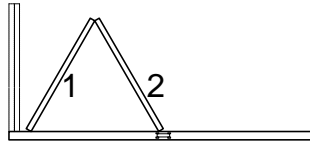
Ispuna X Fillings X	Vanjska brtva Exterior gas.	Unutar. brtva Interior gasket	LAJSNE ZA STAKLO GLAZING BEAD		
6	321.003	311.002		Z40-666	
7	321.003	311.001			
8	321.003	311.001			
11	321.003	311.002		Z40-665	
12	321.003	311.001			
13	321.003	311.001			
14	321.003	311.002		F-0784	
15	321.003	311.002			
16	321.003	311.001			
17	321.003	311.002		Z40-664	
18	321.003	311.001			
21	321.003	311.002		Z40-656	
22	321.003	311.001			
24	321.003	311.002			
25	321.003	311.002		Z40-660	
26	321.003	311.001			
xxxx	xxxx	xxxx			
xxxx	xxxx	xxxx			
xxxx	xxxx	xxxx			
xxxx	xxxx	xxxx			
xxxx	xxxx	xxxx			



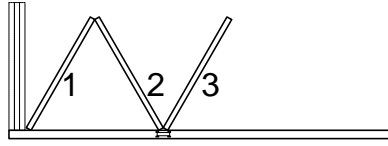
**Presjeci**  
Cross sections



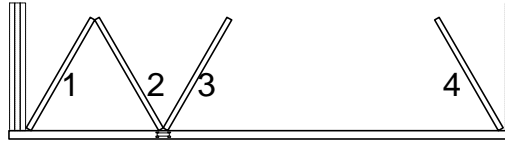
TIP:2-0



TIP:3-0



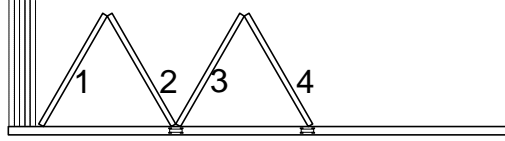
TIP:3-1



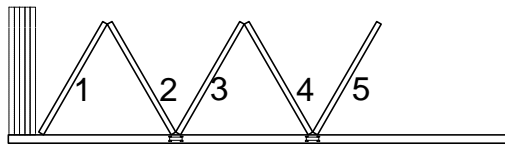
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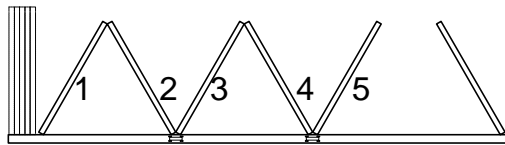
TIP:4-0



TIP:5-0



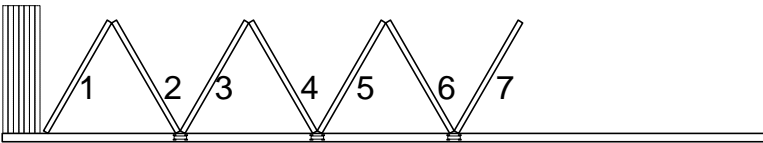
TIP:5-1



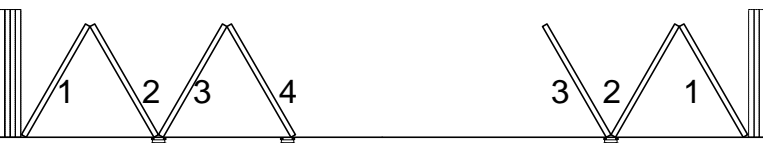
TIP:3-3



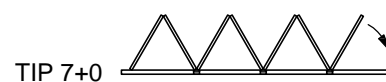
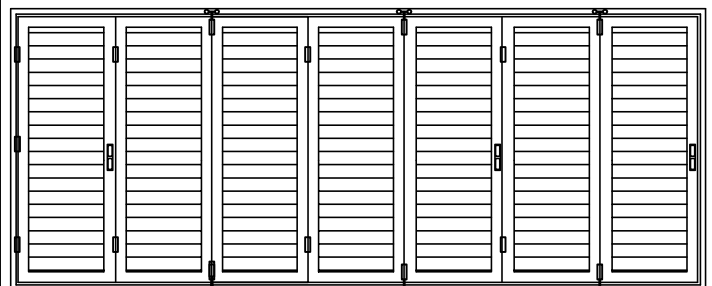
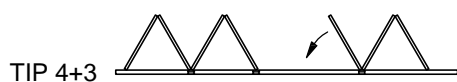
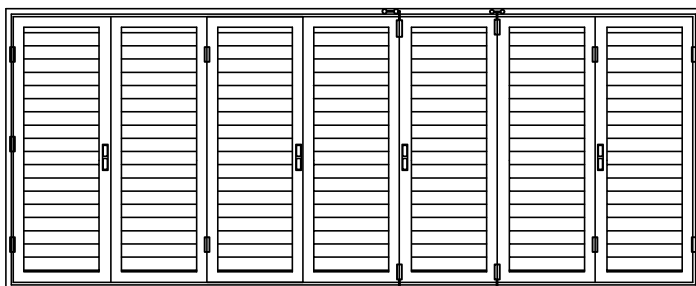
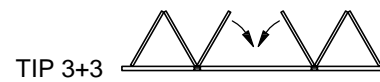
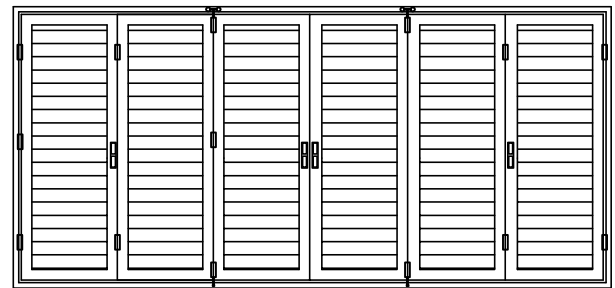
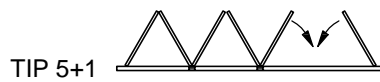
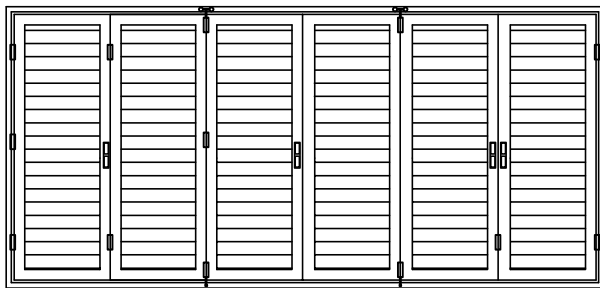
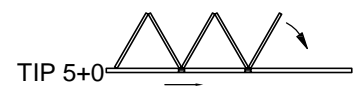
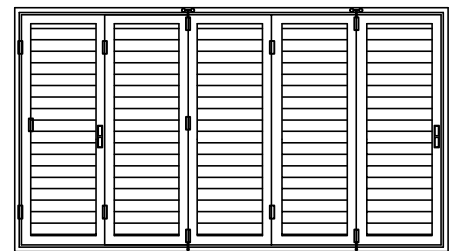
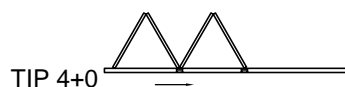
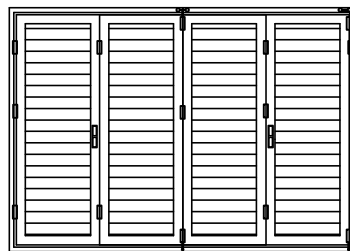
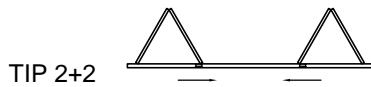
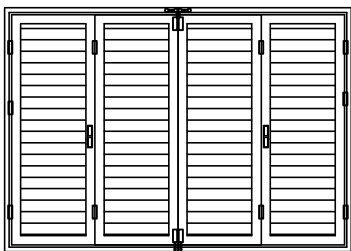
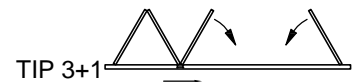
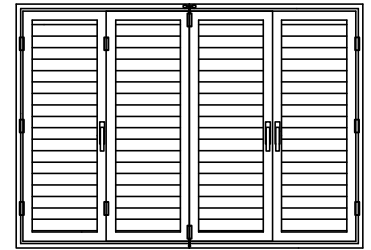
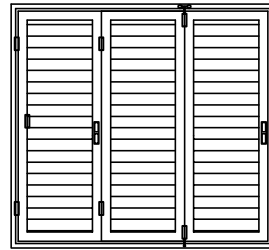
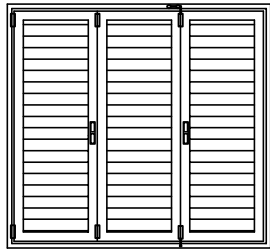
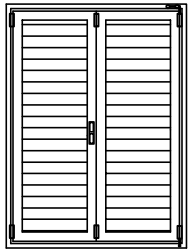
TIP:7-0



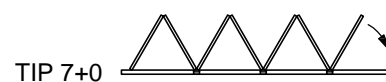
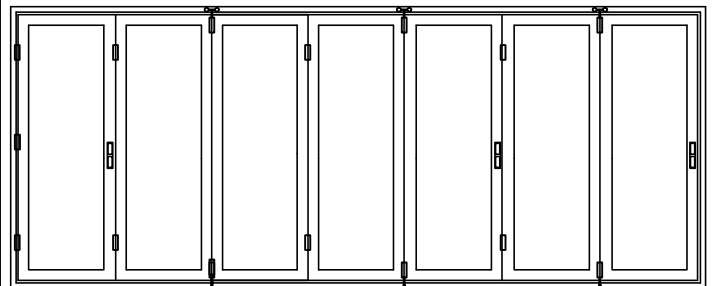
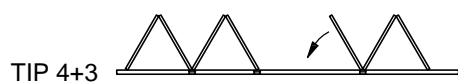
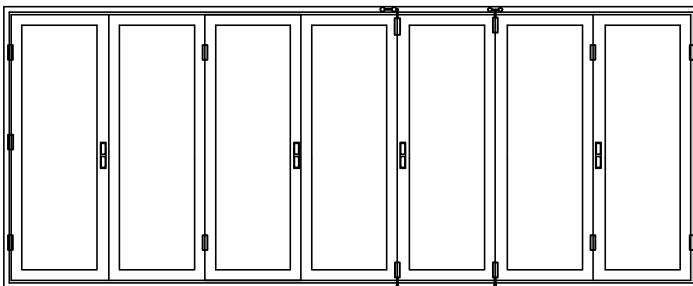
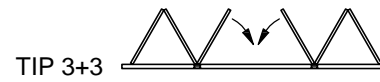
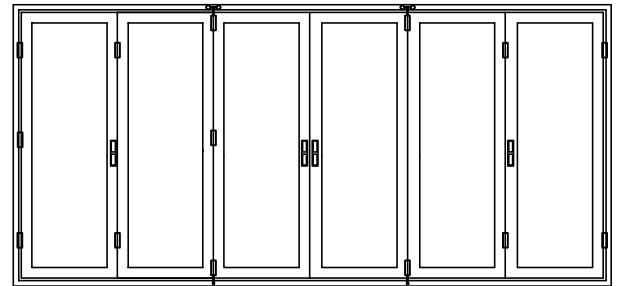
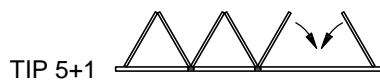
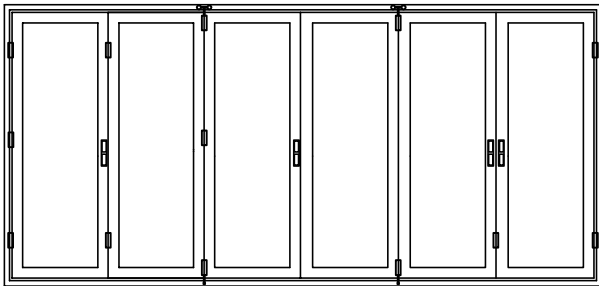
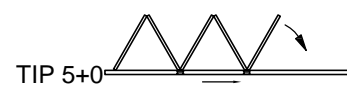
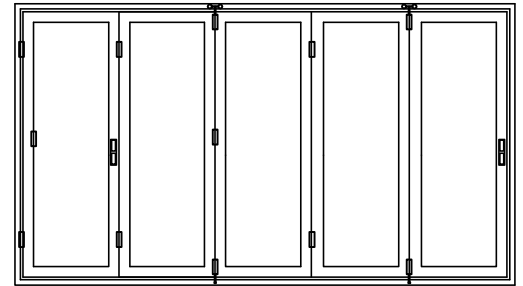
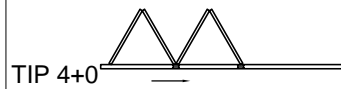
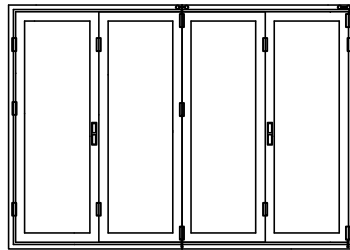
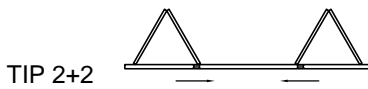
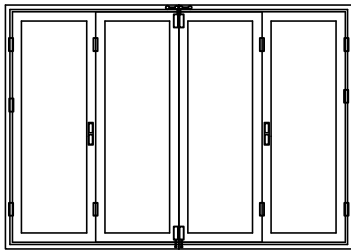
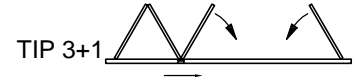
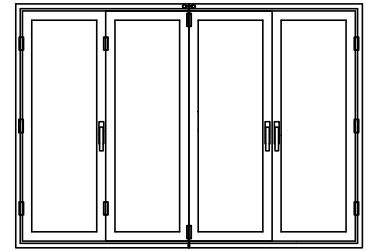
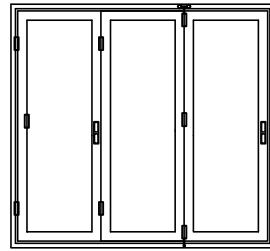
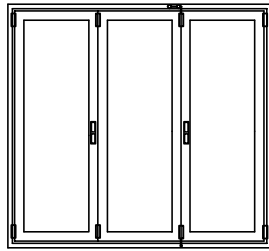
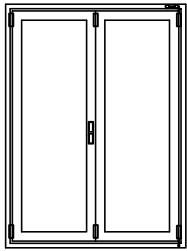
TIP:4-3

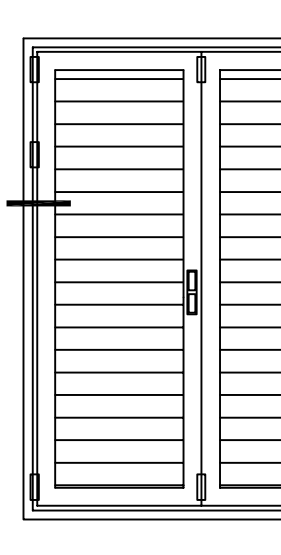


## TIPOVI OTVARANJA-OPENING TYPES

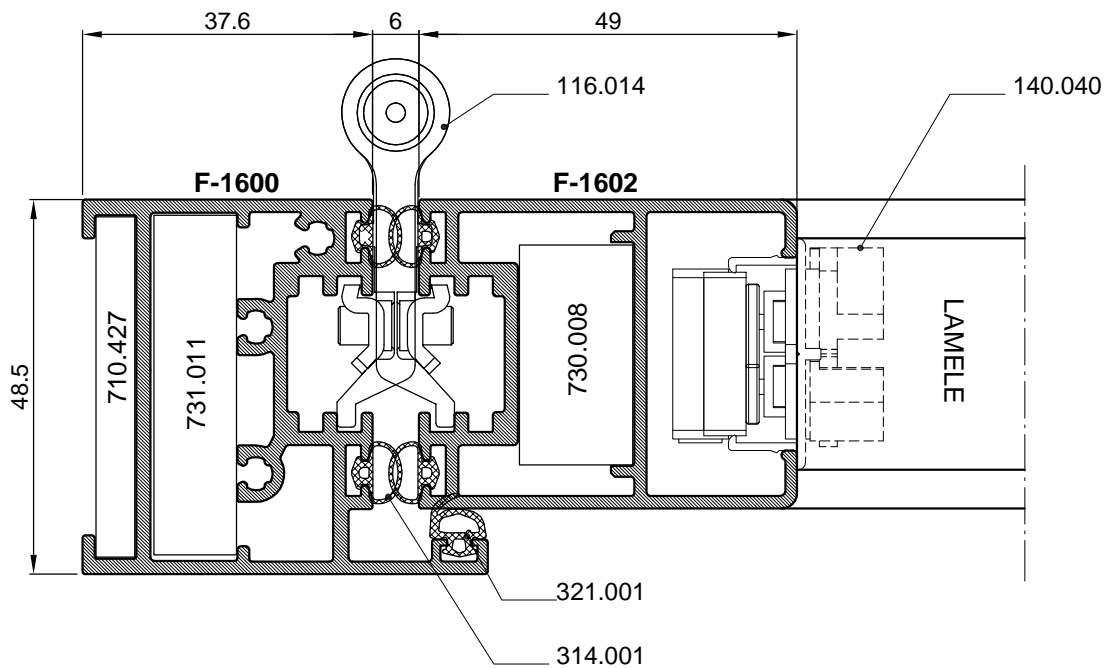
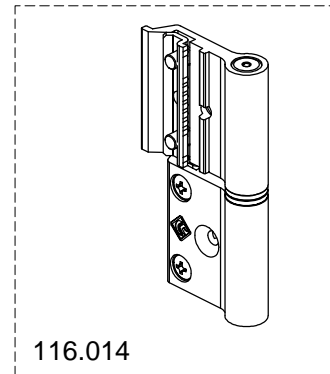


## TIPOVI OTVARANJA-OPENING TYPES

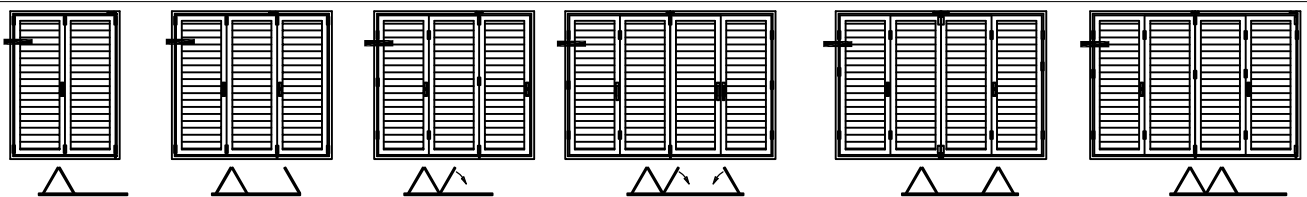




Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

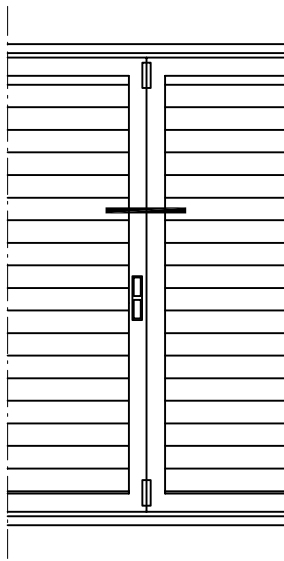
TIP 2+1

TIP 3+0

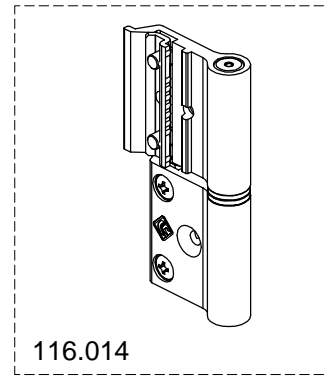
TIP 3+1

TIP 2+2

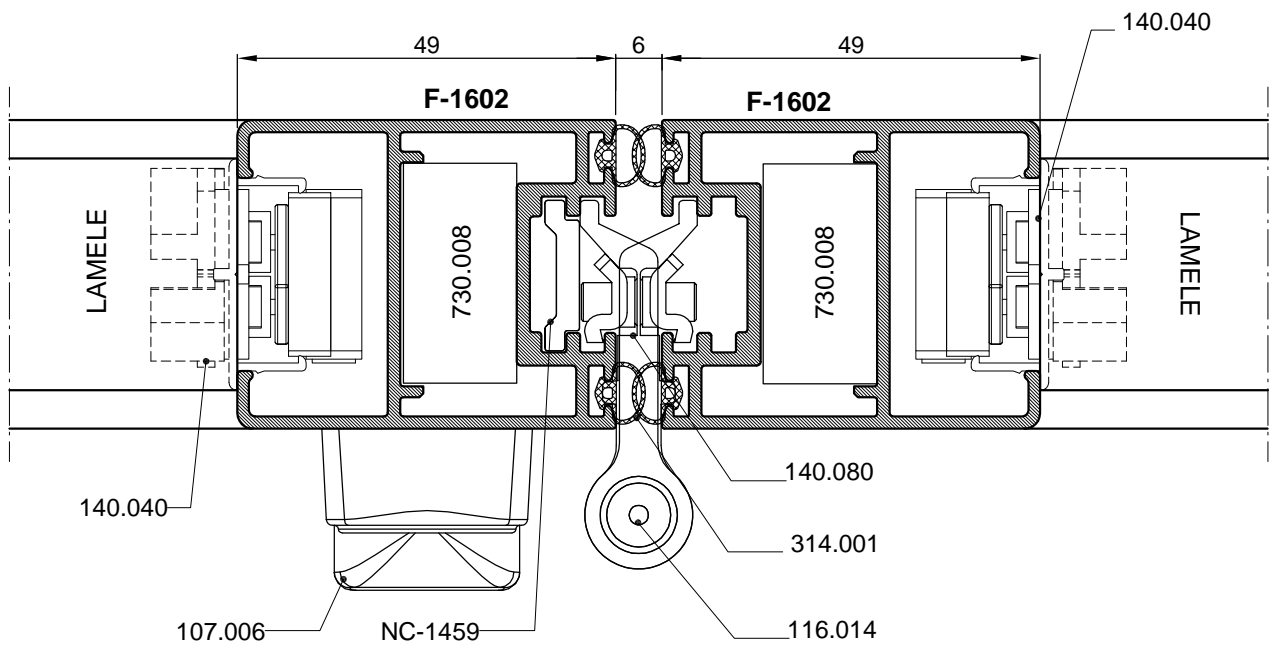
TIP 4+0



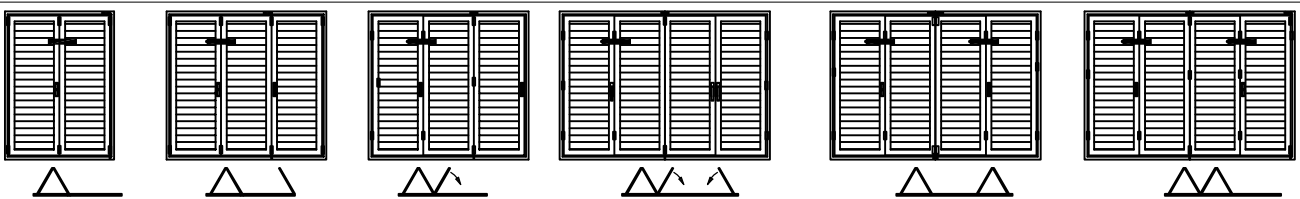
Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



116.014



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

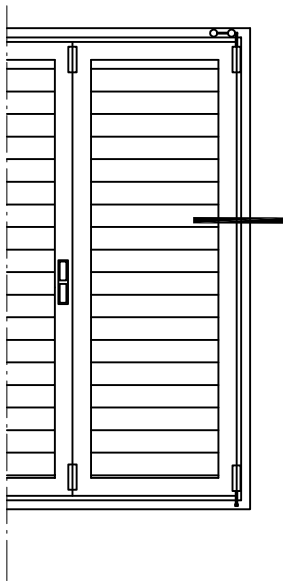
TIP 2+1

TIP 3+0

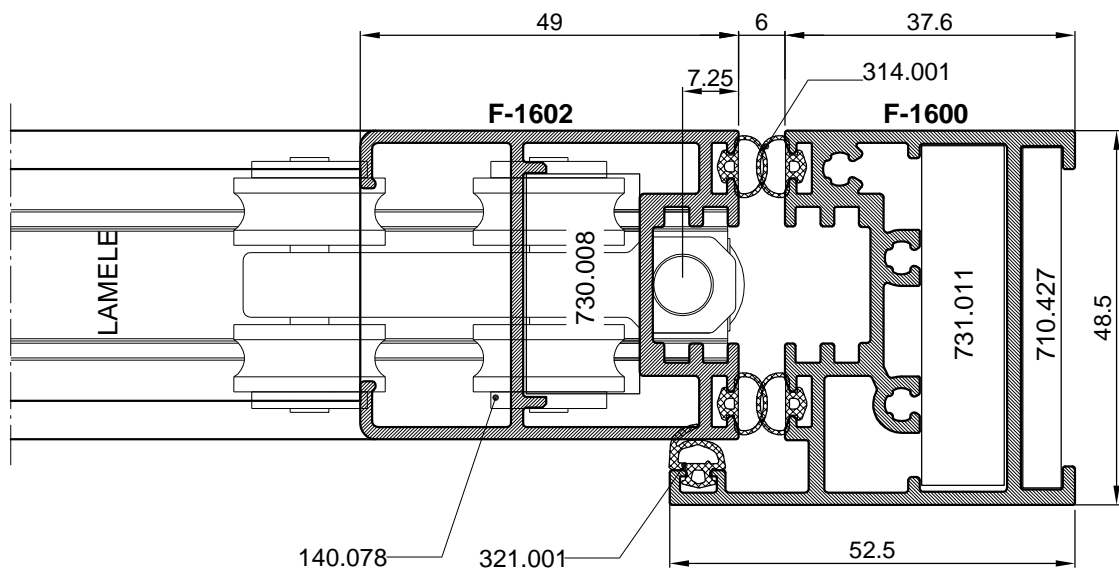
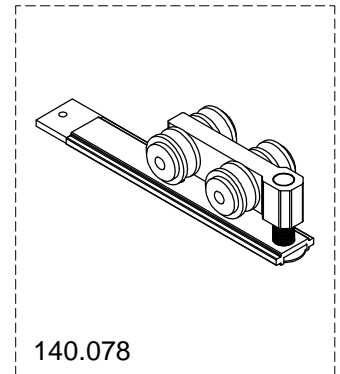
TIP 3+1

TIP 2+2

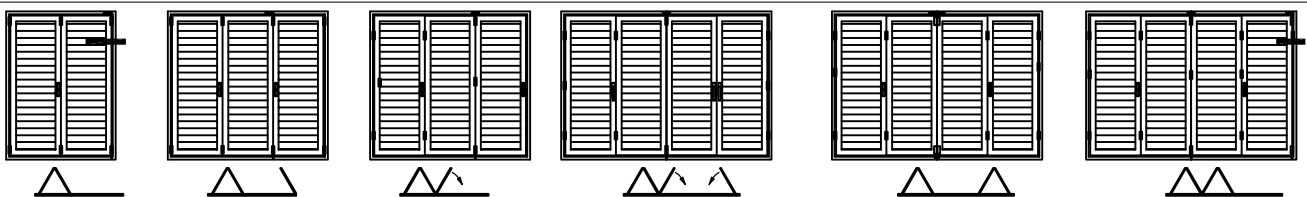
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

TIP 2+1

TIP 3+0

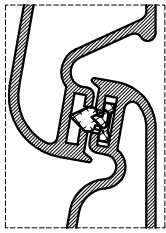
TIP 3+1

TIP 2+2

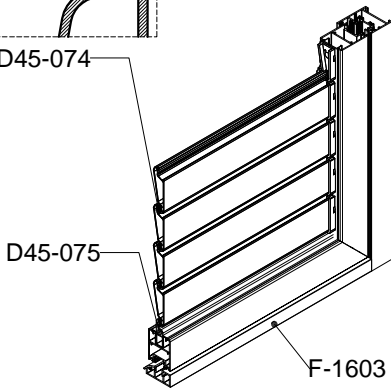
TIP 4+0

NAPOMENA :  
Lamele D45-074 (sa brtvom) ,  
D45-081 (bez brtve)  
koriste isti tip mehanizma 140.040

REMARK :  
Profile D45-074 (with gasket) ,  
D45-081 (without gasket)  
using the same type of mechanism 140.040

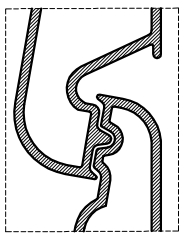
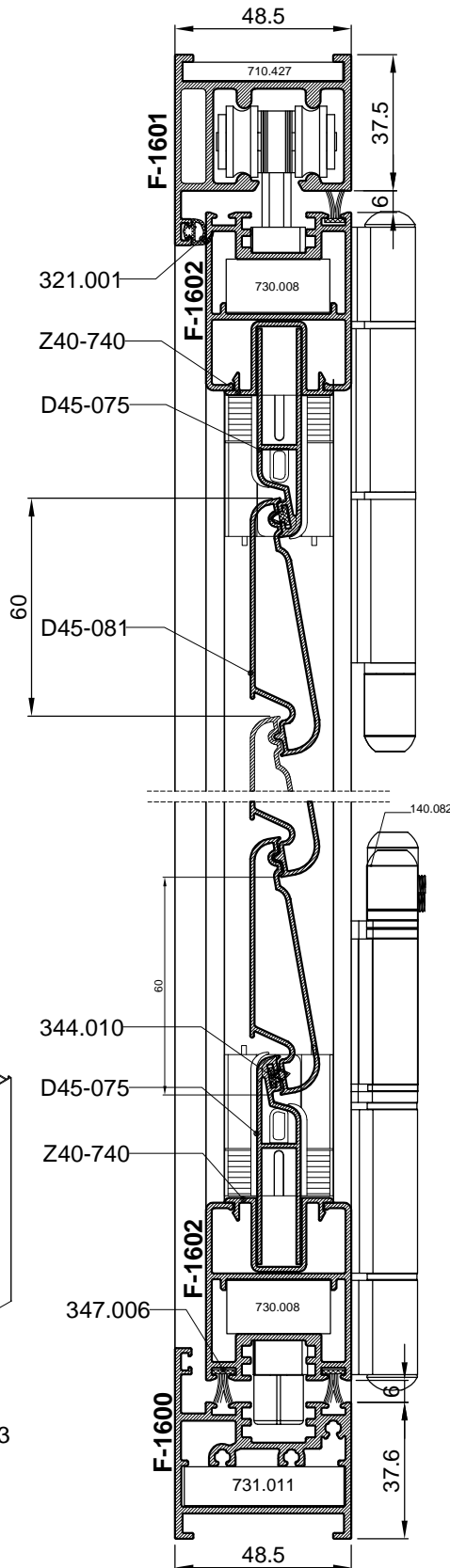


D45-074

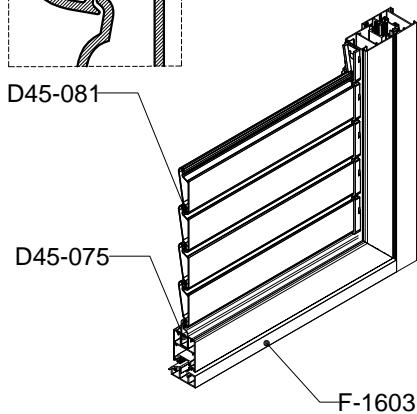


D45-075

F-1603

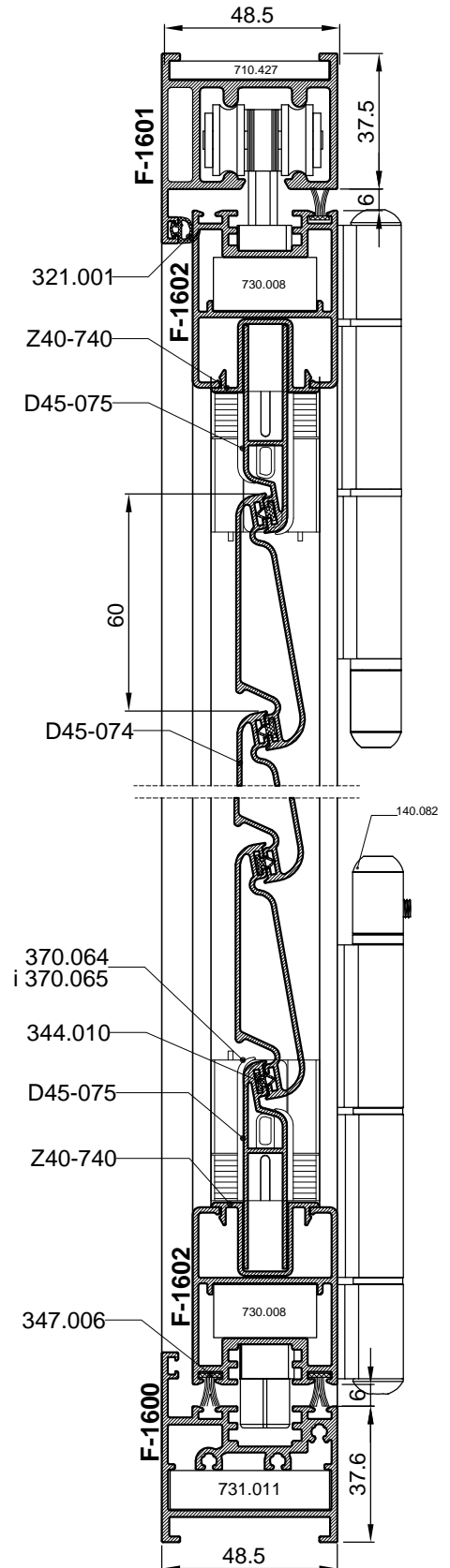


D45-081



D45-075

F-1603



370.064  
i 370.065

344.010

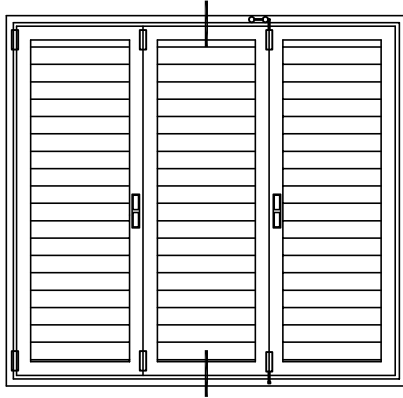
D45-075

Z40-740

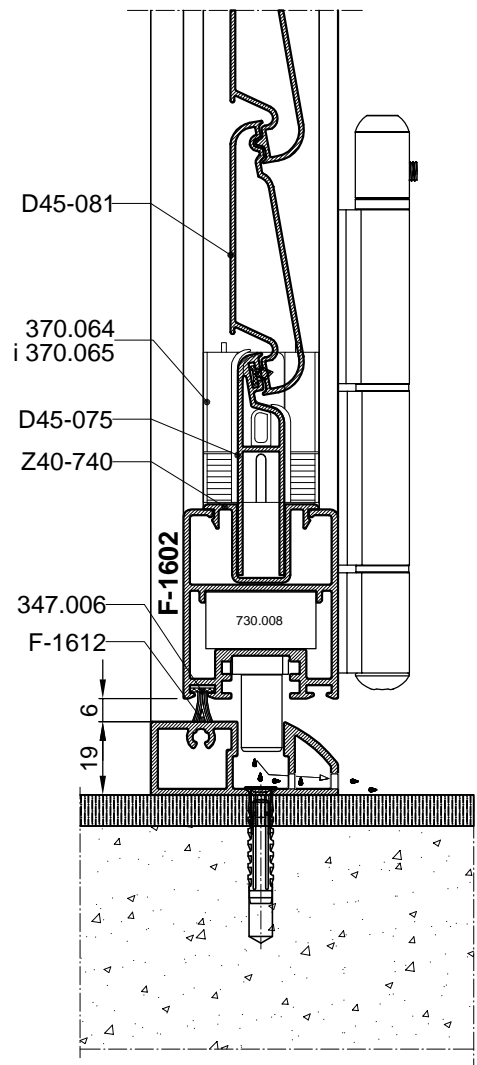
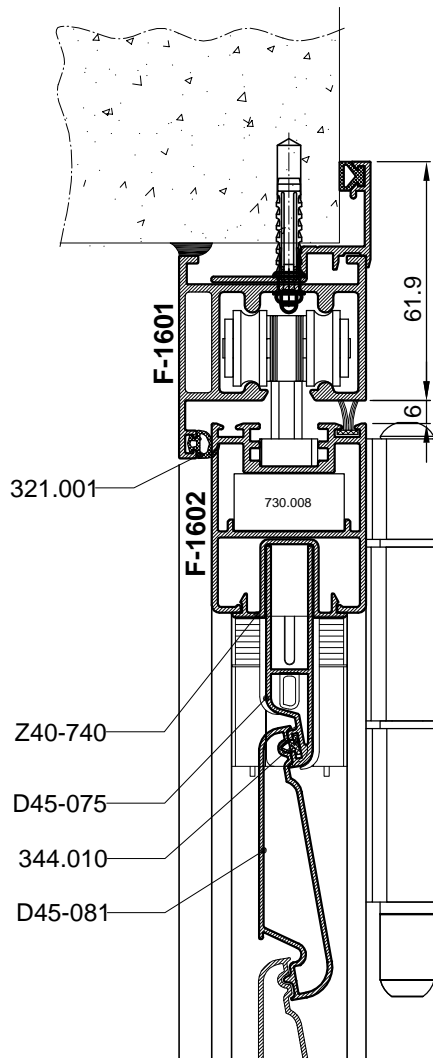
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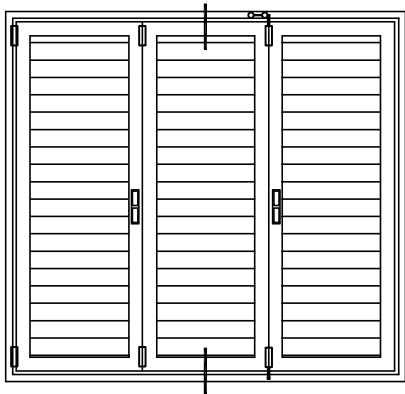
F-1600

48.5

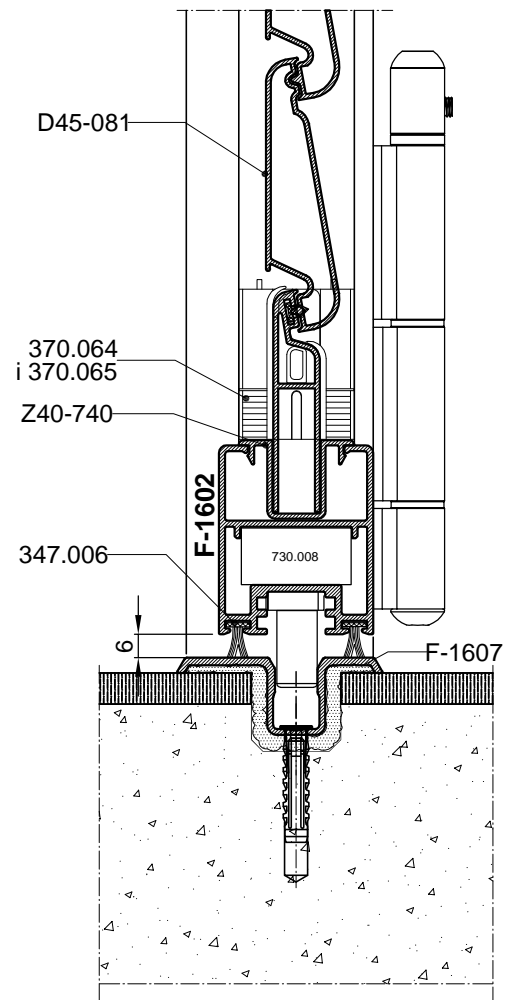
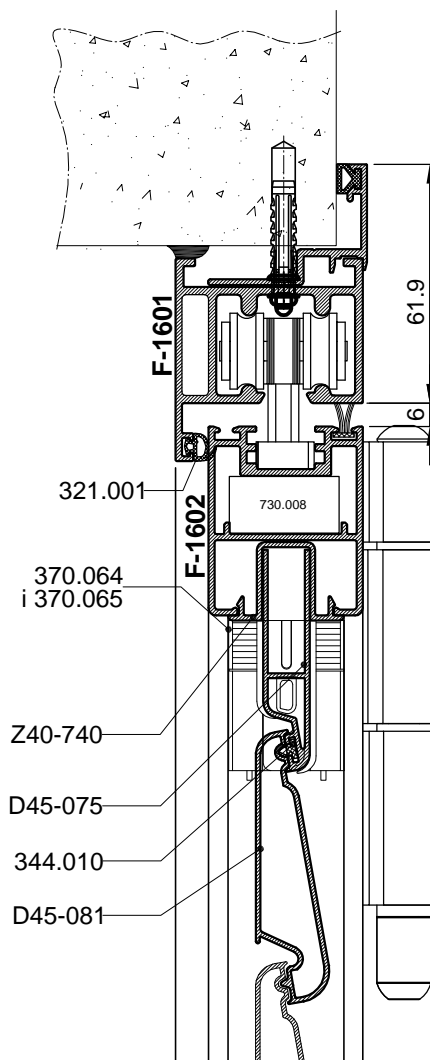


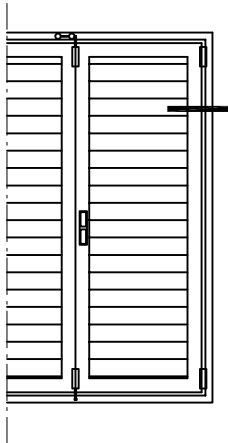
Detalj ugradnje  
Ugraditi tiplu u zid zatim konstrukciju  
pričvrstiti čavlastim vijkom  
Detail of montage  
Install the dowel into the wall and then  
fasten the construction with the screw





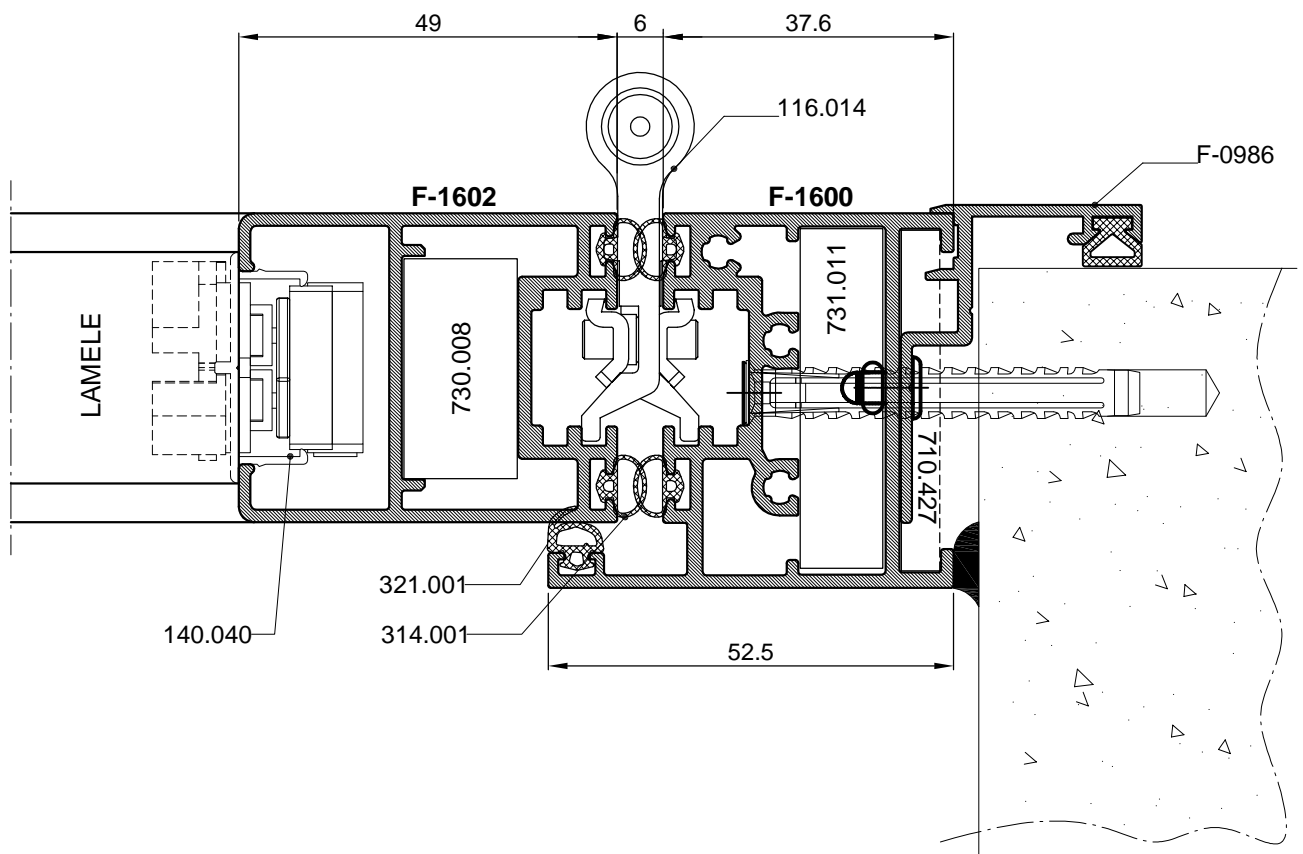
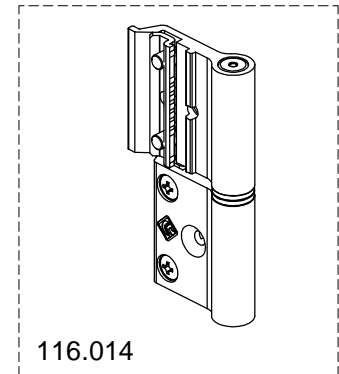
Detalj ugradnje  
Ugraditi tiplu u zid zatim konstrukciju  
pričvrstiti čavlastim vijkom  
Detail of montage  
Install the dowel into the wall and then  
fasten the construction with the screw



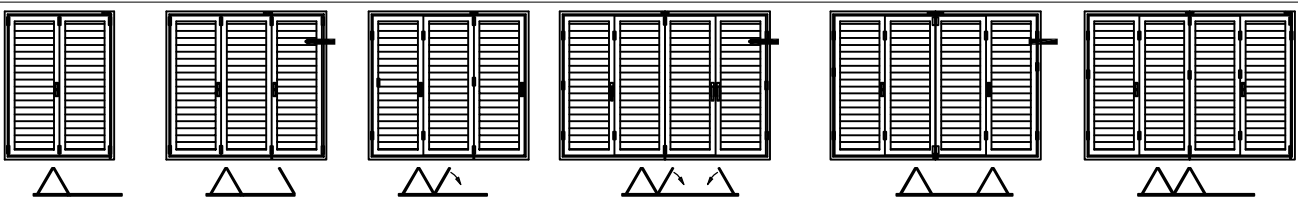


Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae

Detalj ugradnje  
Ugraditi tiplu u zid zatim  
konstrukciju pričvrstiti čavlastim  
vijkom  
Detail of montage  
Install the dowel into the wall  
and then fasten the construction  
with the screw



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

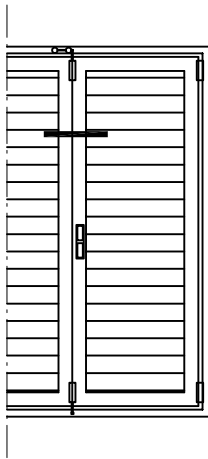
TIP 2+1

TIP 3+0

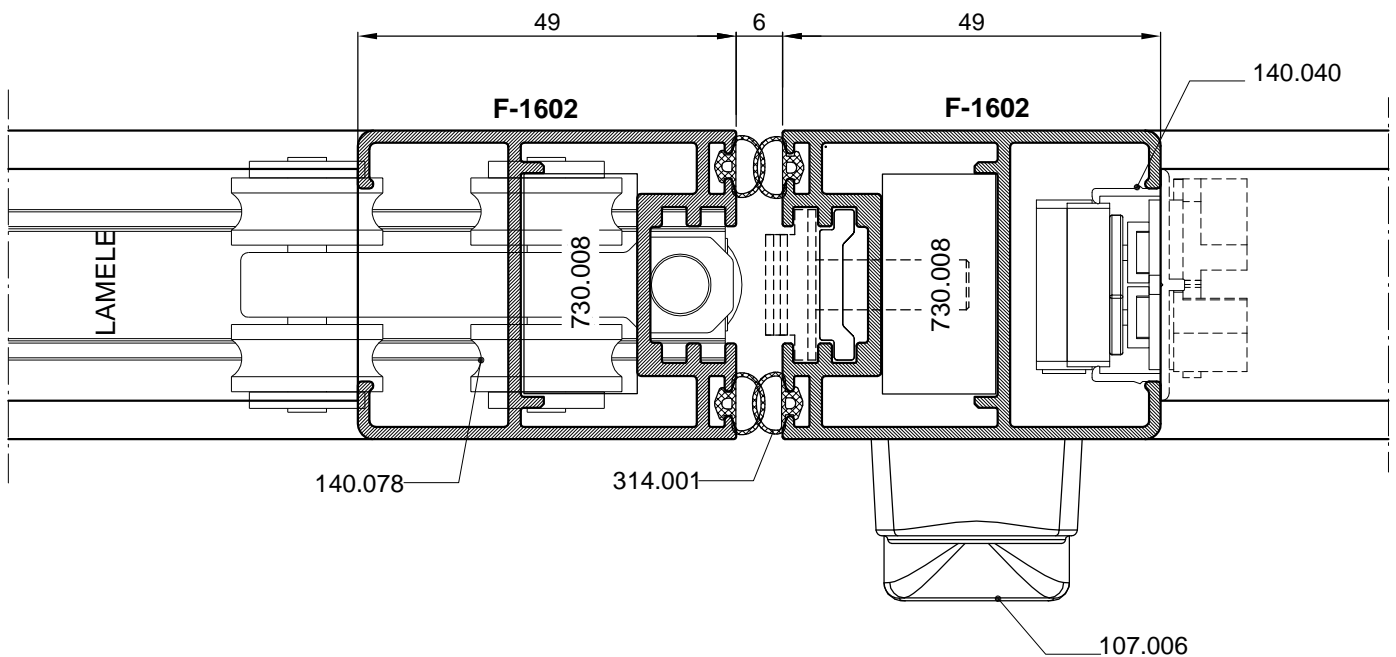
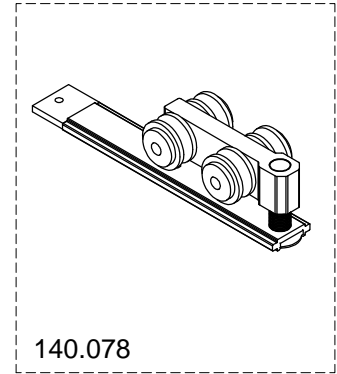
TIP 3+1

TIP 2+2

TIP 4+0



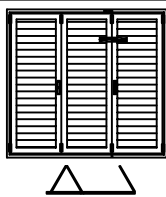
Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



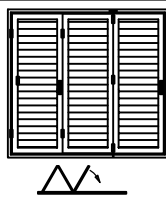
### TIPOVI OTVARANJA-OPENING TYPES



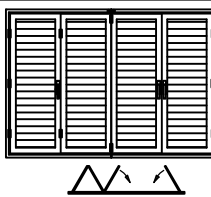
TIP 2+0



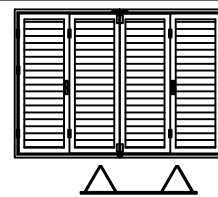
TIP 2+1



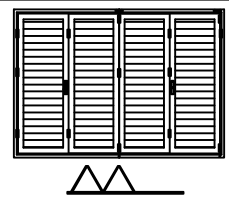
TIP 3+0



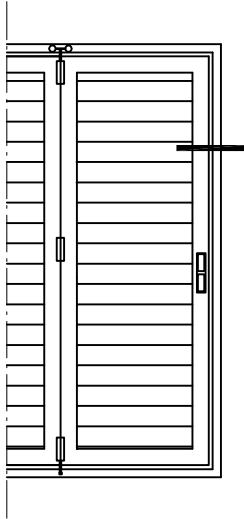
TIP 3+1



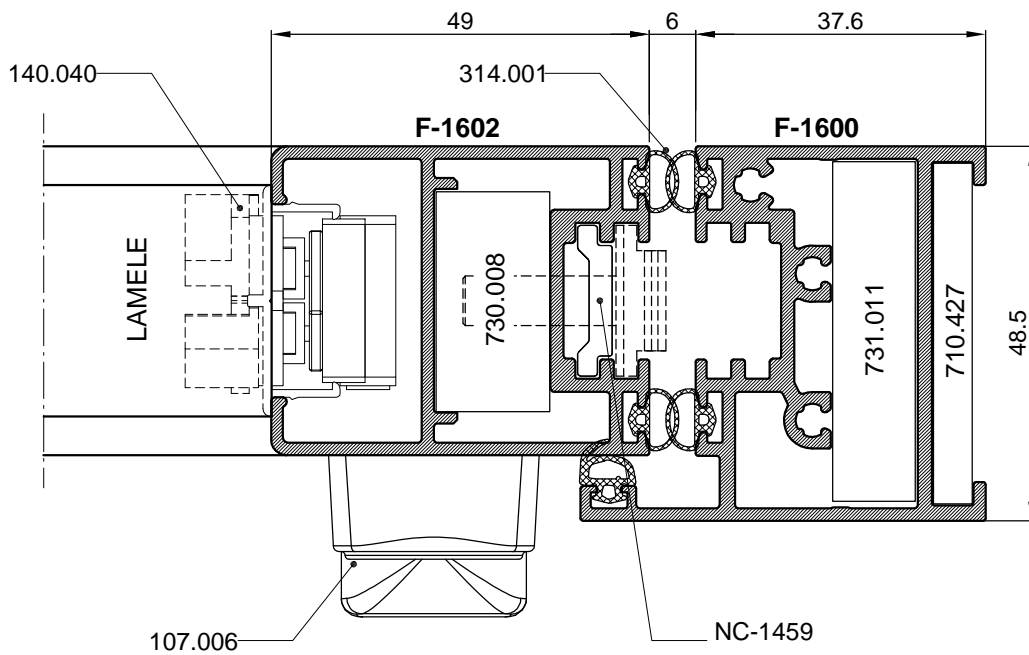
TIP 2+2



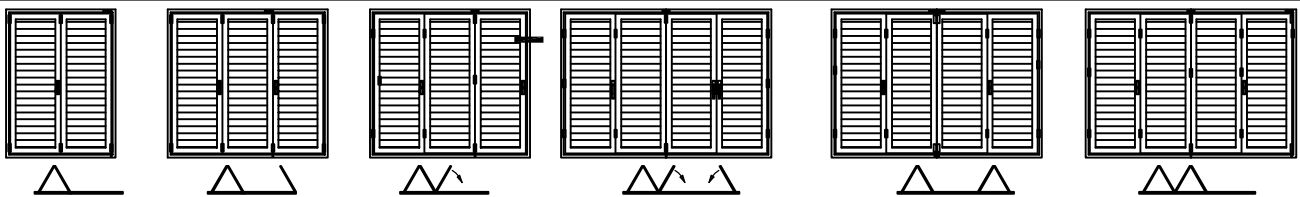
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

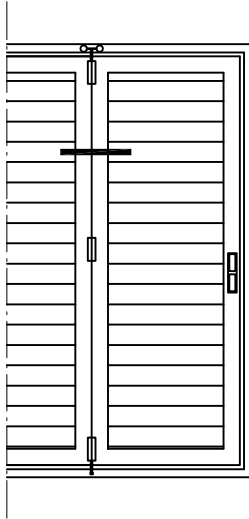
TIP 2+1

TIP 3+0

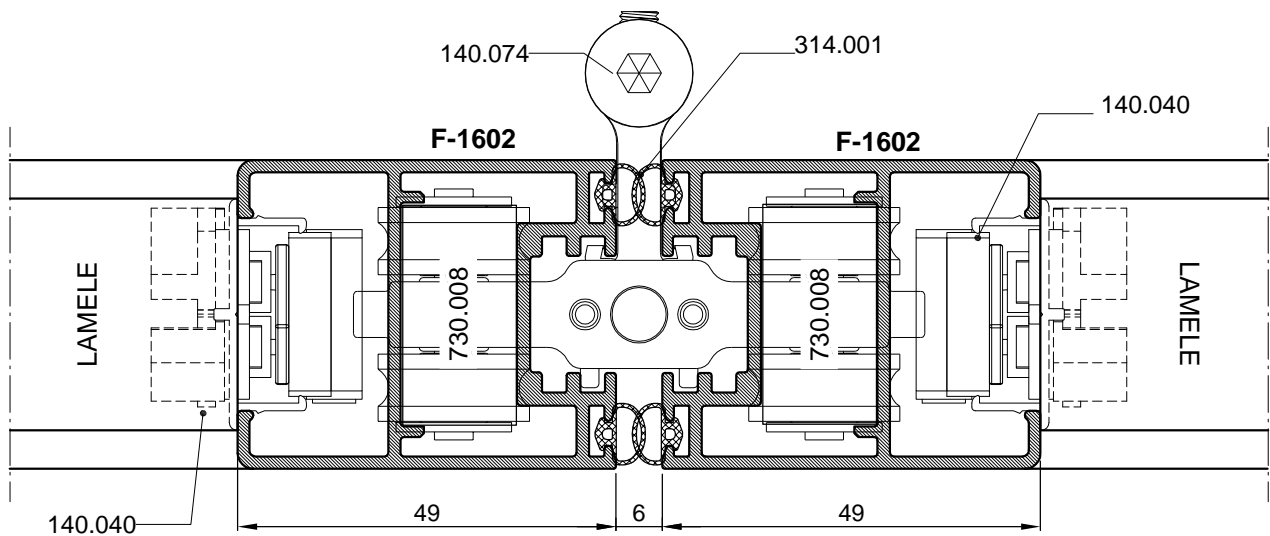
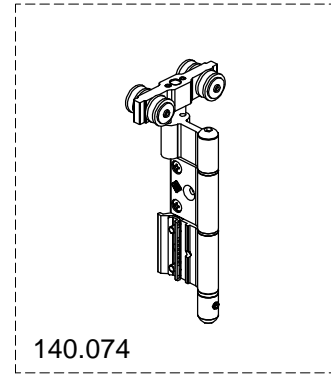
TIP 3+1

TIP 2+2

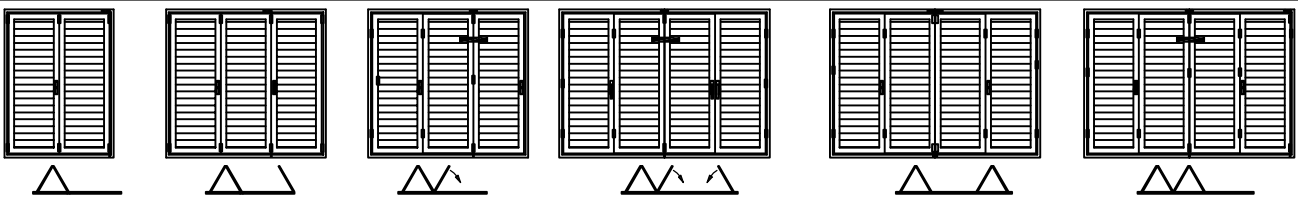
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

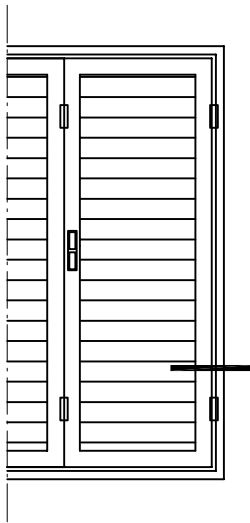
TIP 2+1

TIP 3+0

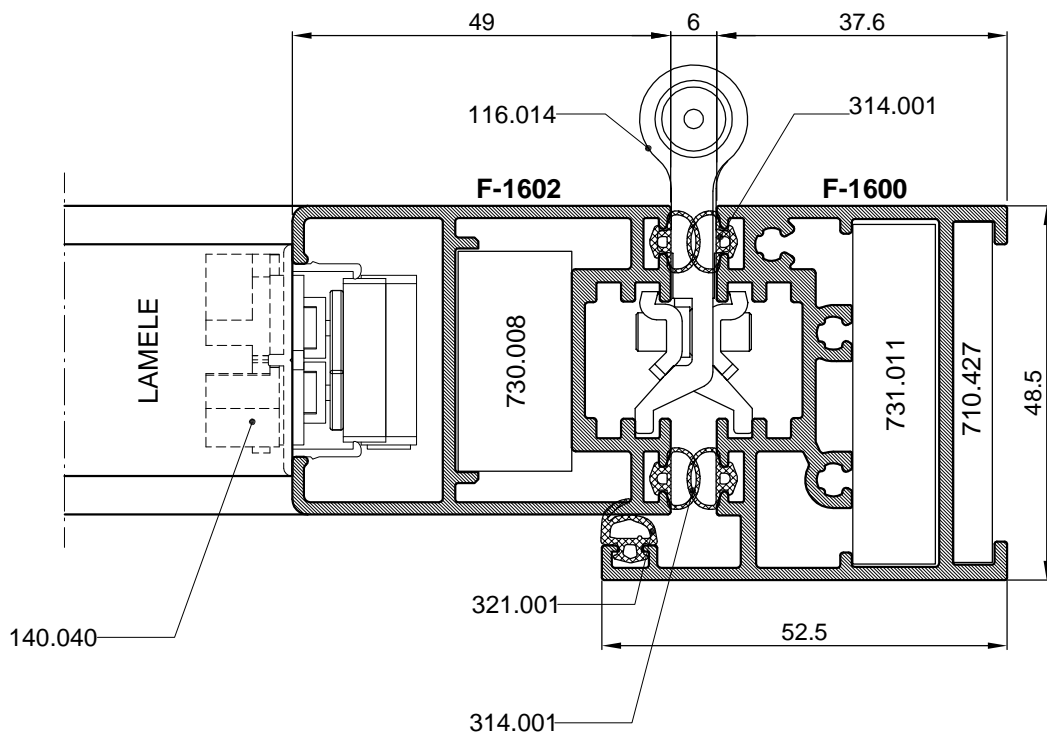
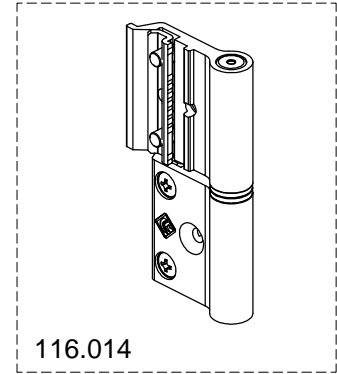
TIP 3+1

TIP 2+2

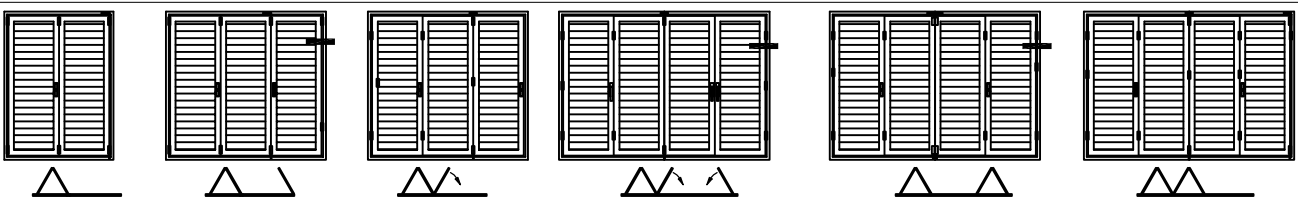
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

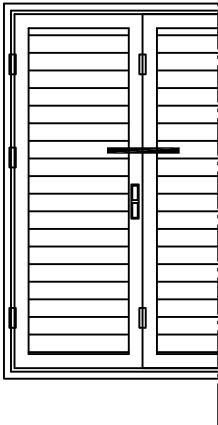
TIP 2+1

TIP 3+0

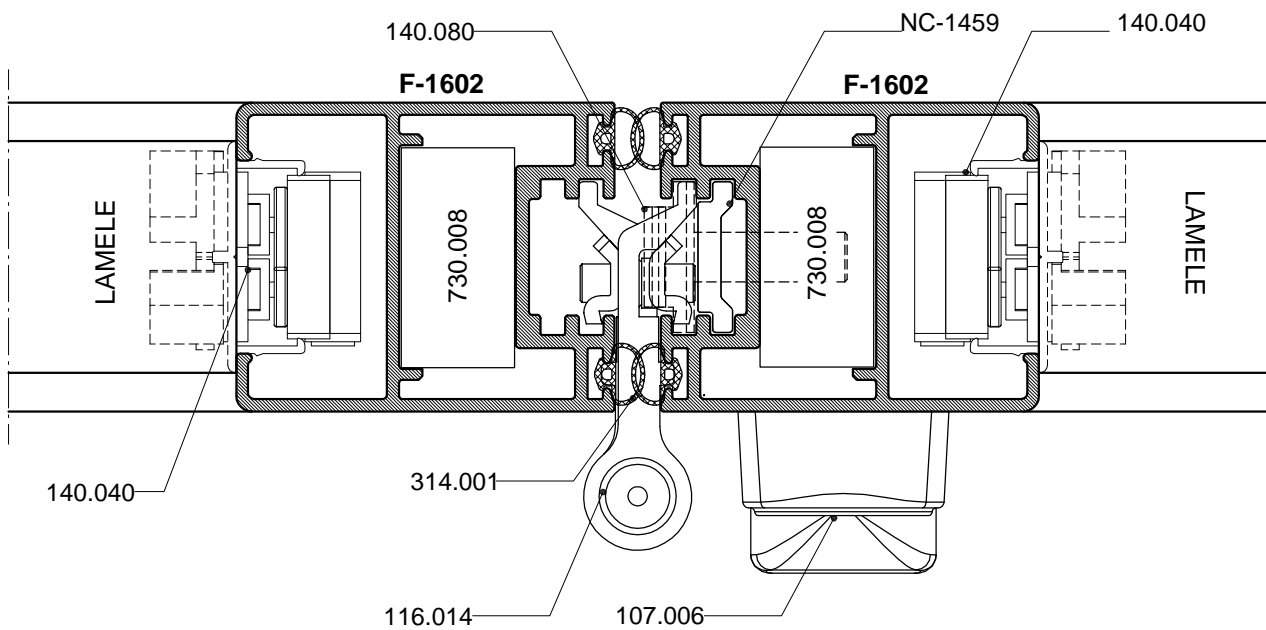
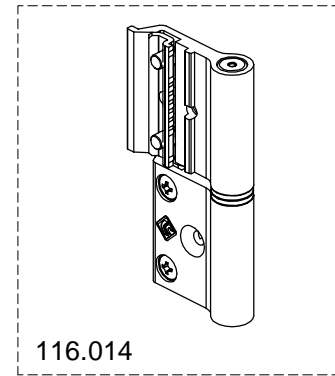
TIP 3+1

TIP 2+2

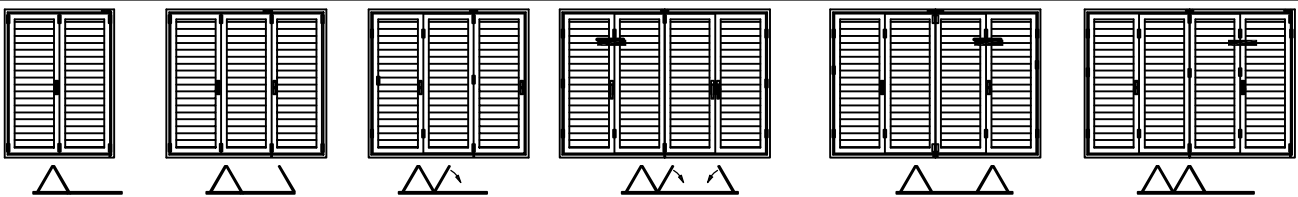
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

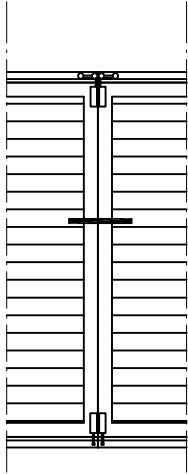
TIP 2+1

TIP 3+0

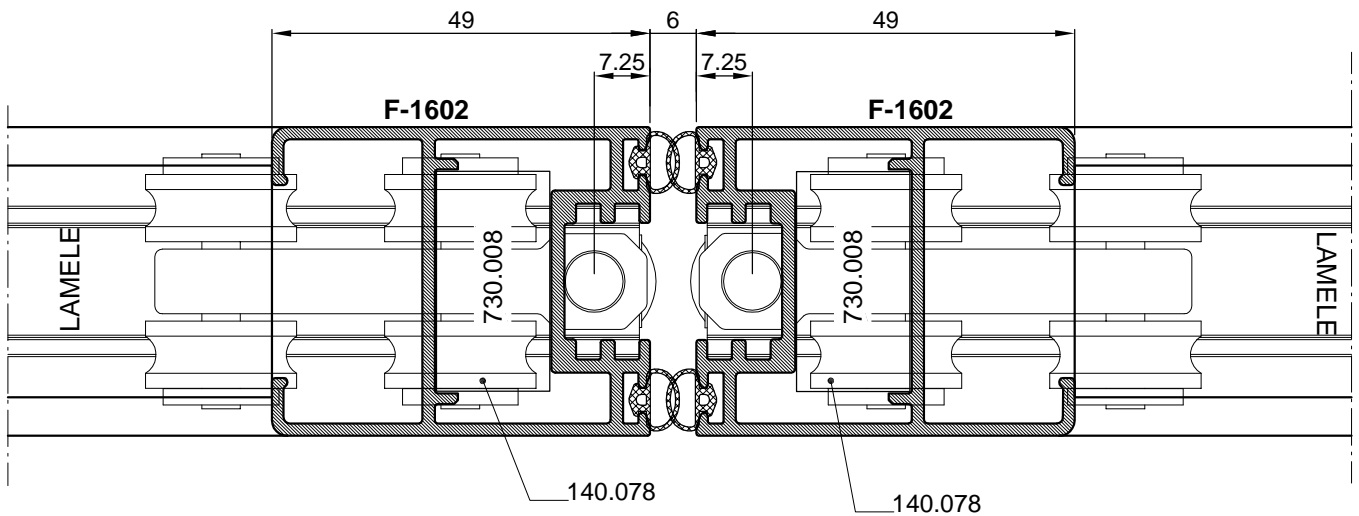
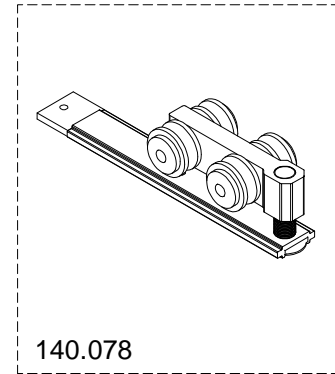
TIP 3+1

TIP 2+2

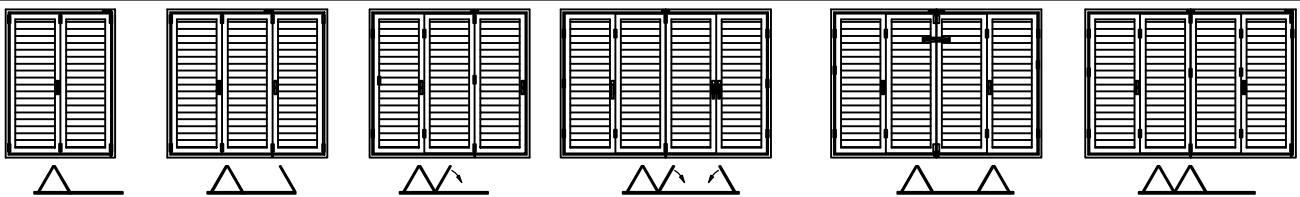
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

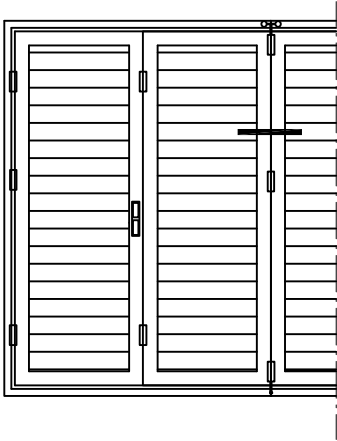
TIP 2+1

TIP 3+0

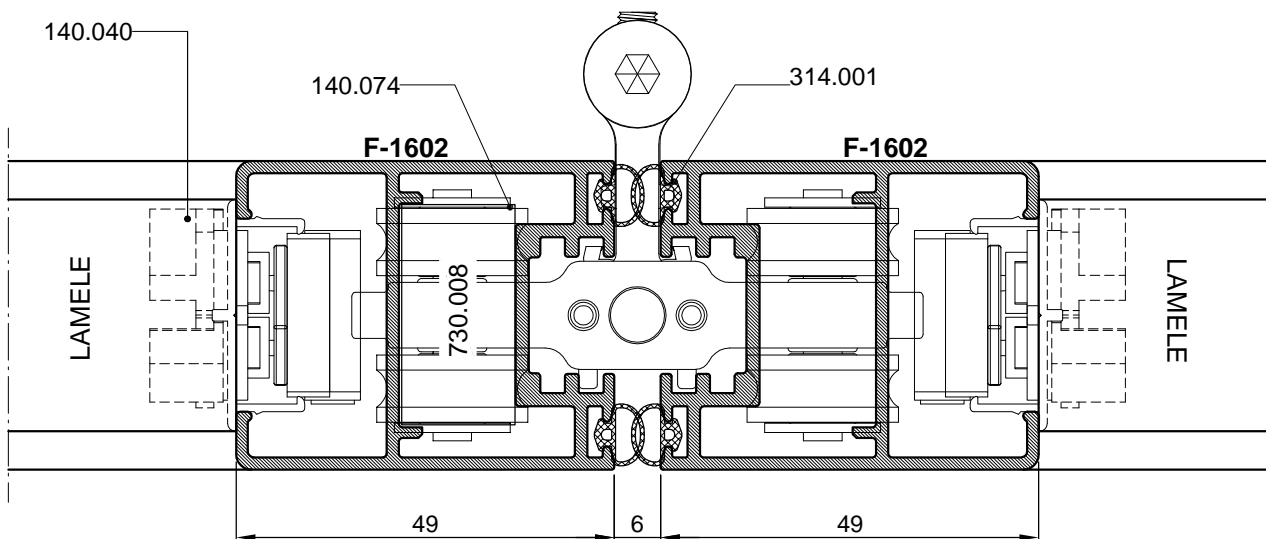
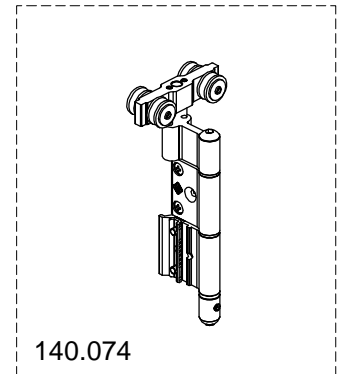
TIP 3+1

TIP 2+2

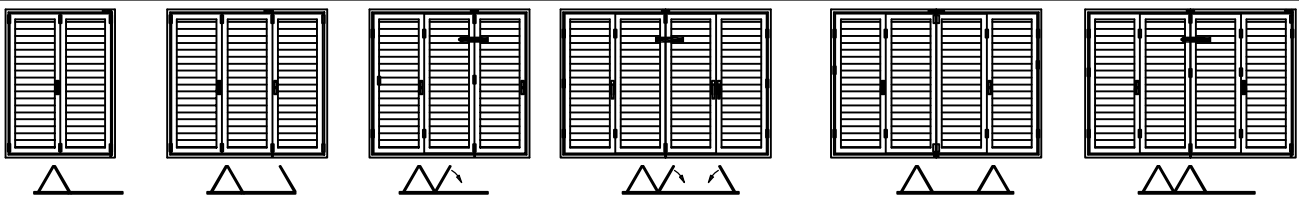
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



## TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

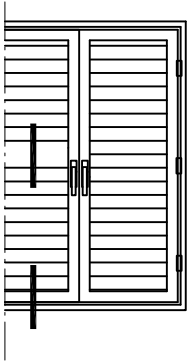
TIP 2+1

TIP 3+0

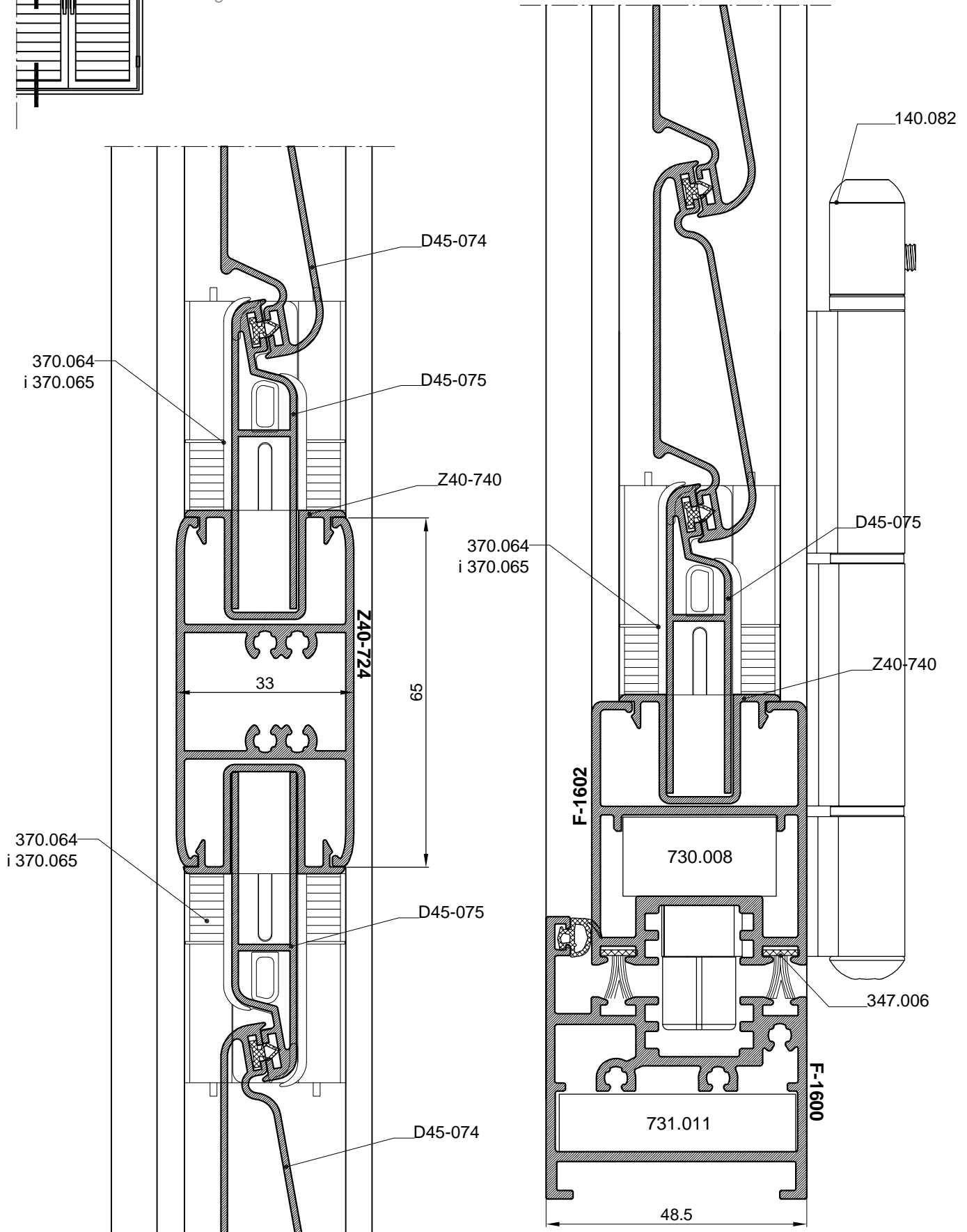
TIP 3+1

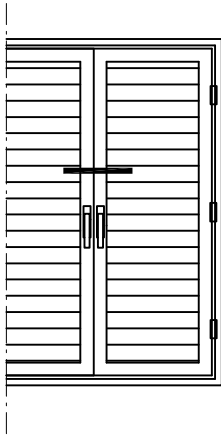
TIP 2+2

TIP 4+0

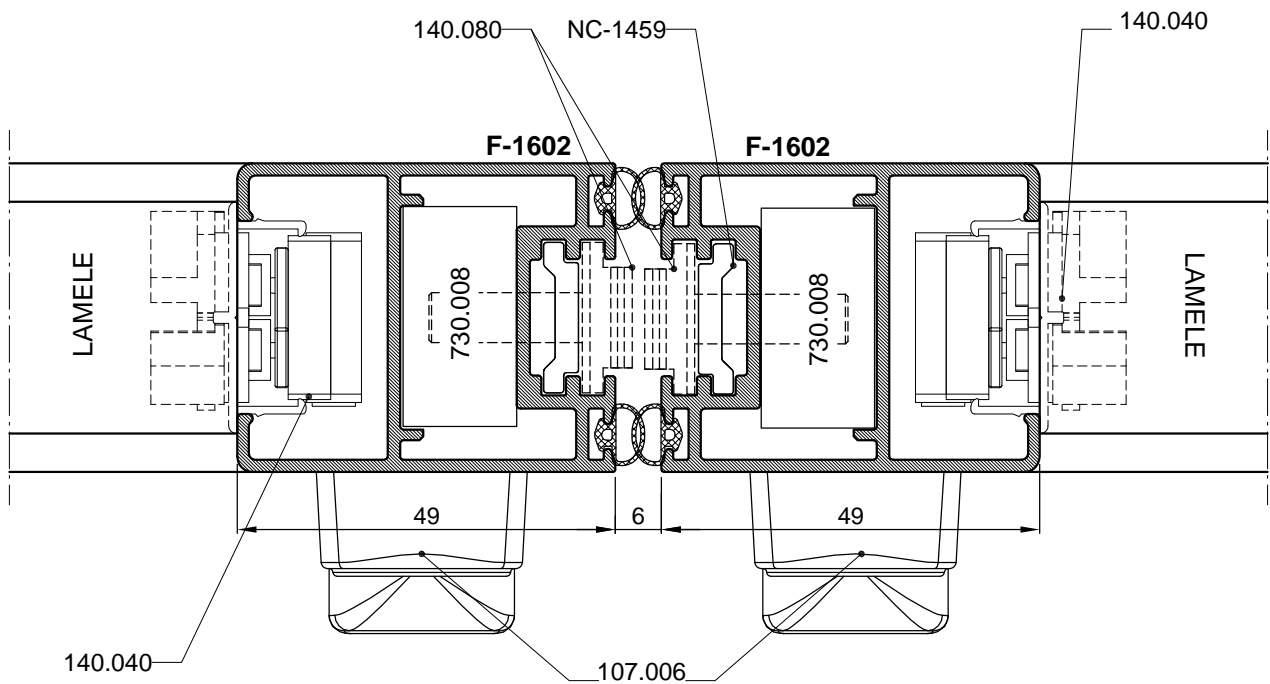


Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae

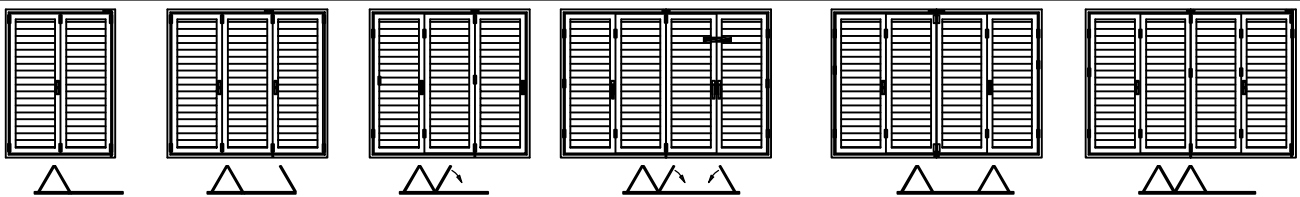




Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

TIP 2+1

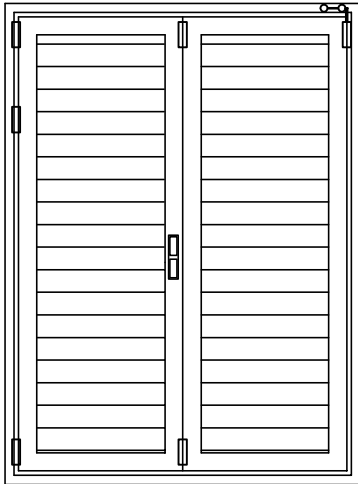
TIP 3+0

TIP 3+1

TIP 2+2

TIP 4+0

Harmonika grilja s fiksnim lamelama  
Folding shutter with fix lamellae

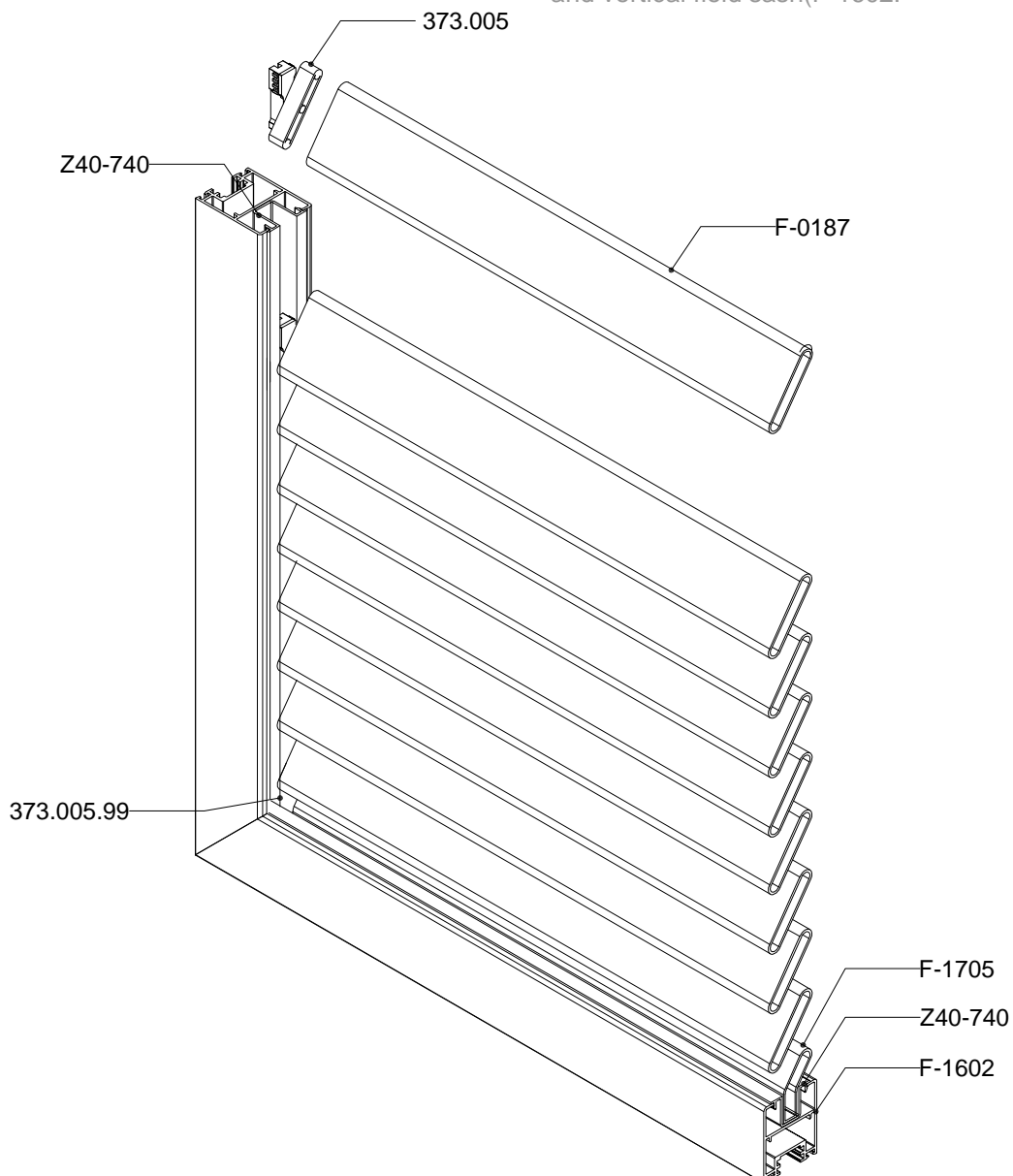


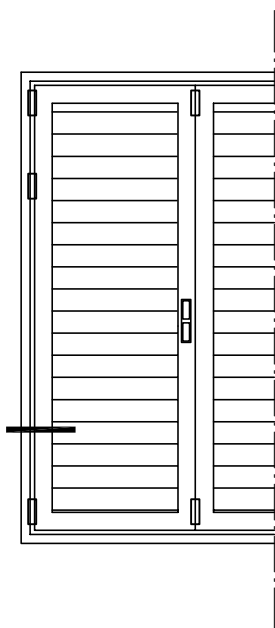
**REDOSLIJED MONTAŽE**

- 1 -pvc element 373.005 umetnuti u profil F-0187-obostrano
- 2 -dobiveni sklop umetati-redati po visini profila F-1602
- 3 -na kraju spojiti kutnicima vertikalni i horizontalni pojas krila (F-1602).

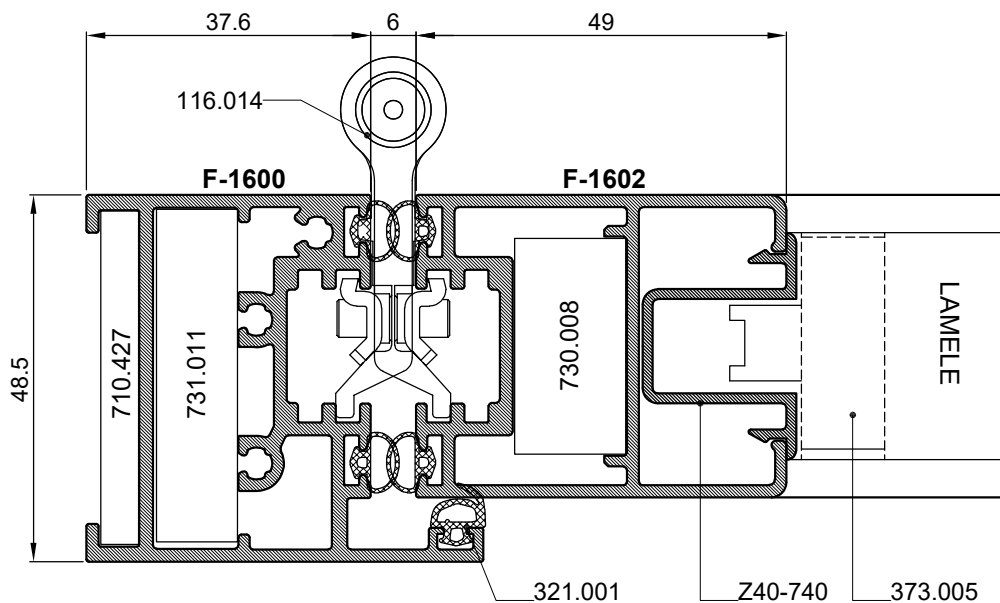
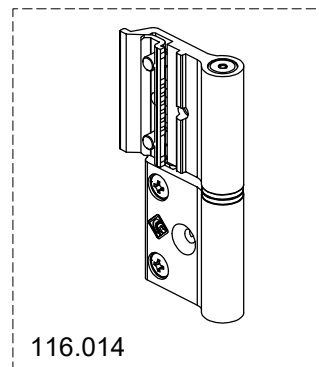
Schedule of montage

- 1 -pvc elements 373.005 insert in profile F-0187-both sides
- 2 -the resulting circuit is inserted-by the height of the profile F-1602
- 3-ultimately connect with corner brackets horizontal and vertical field sash(F-1602).

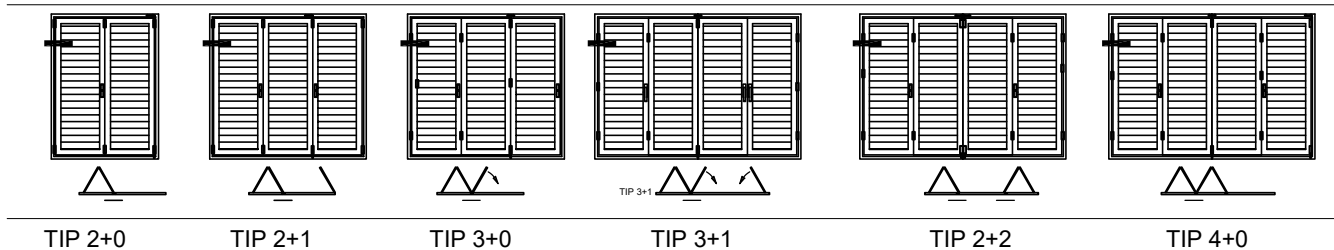


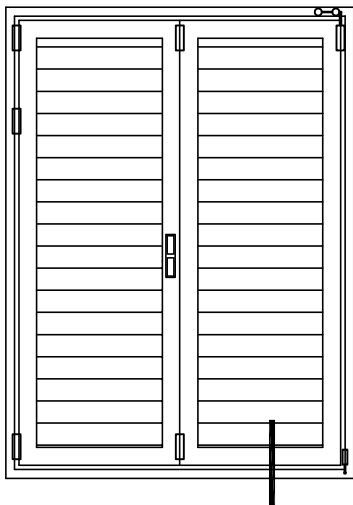


Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

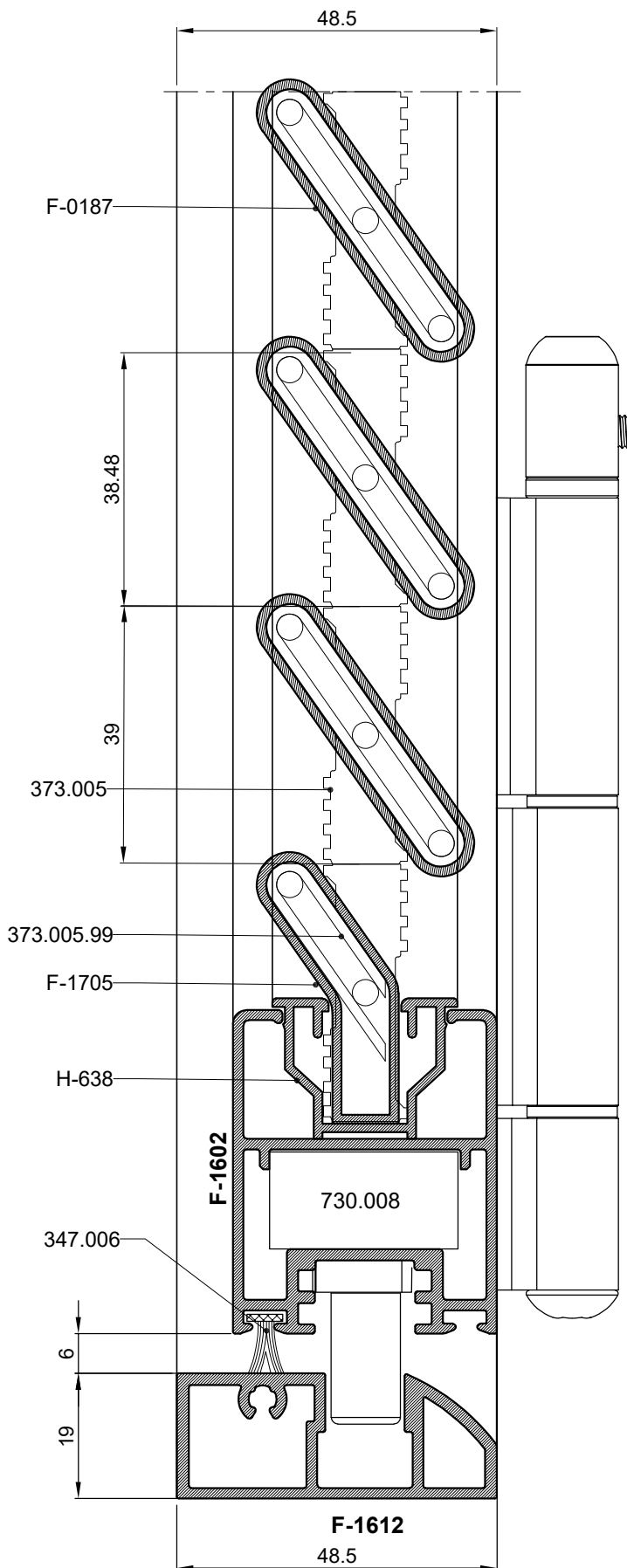
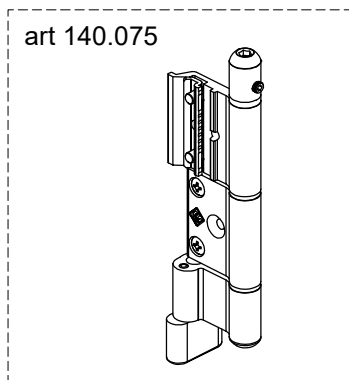


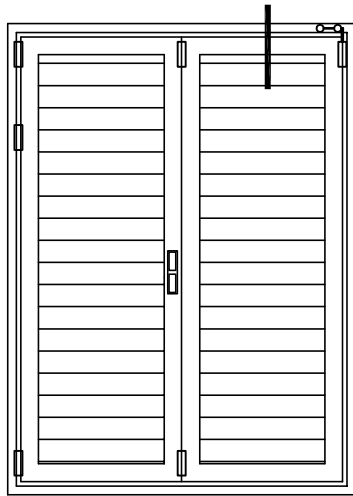
### TIPOVI OTVARANJA-OPENING TYPES



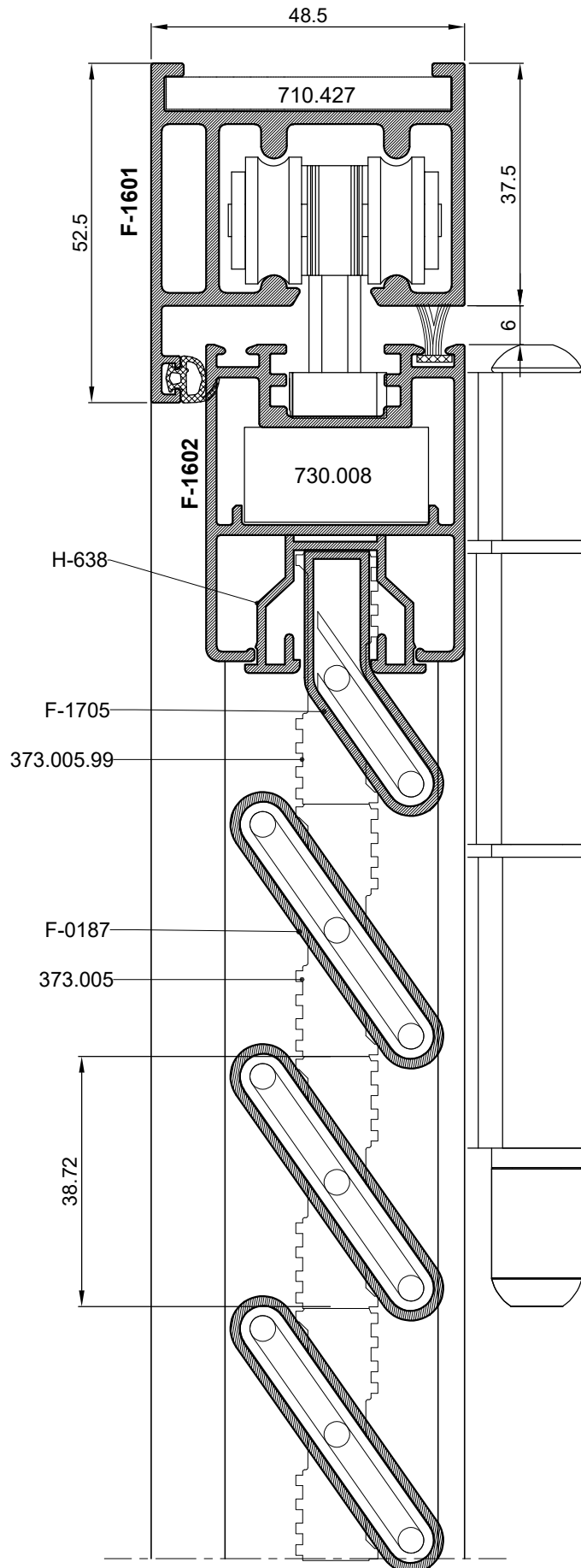
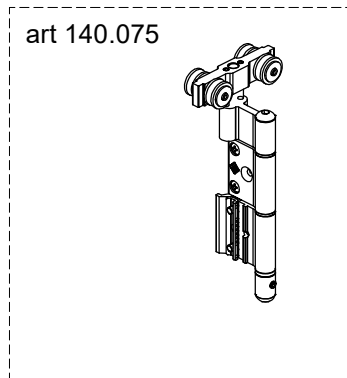


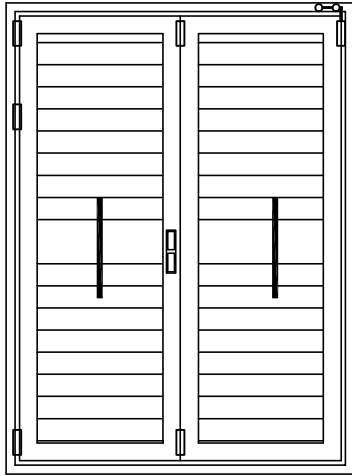
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae



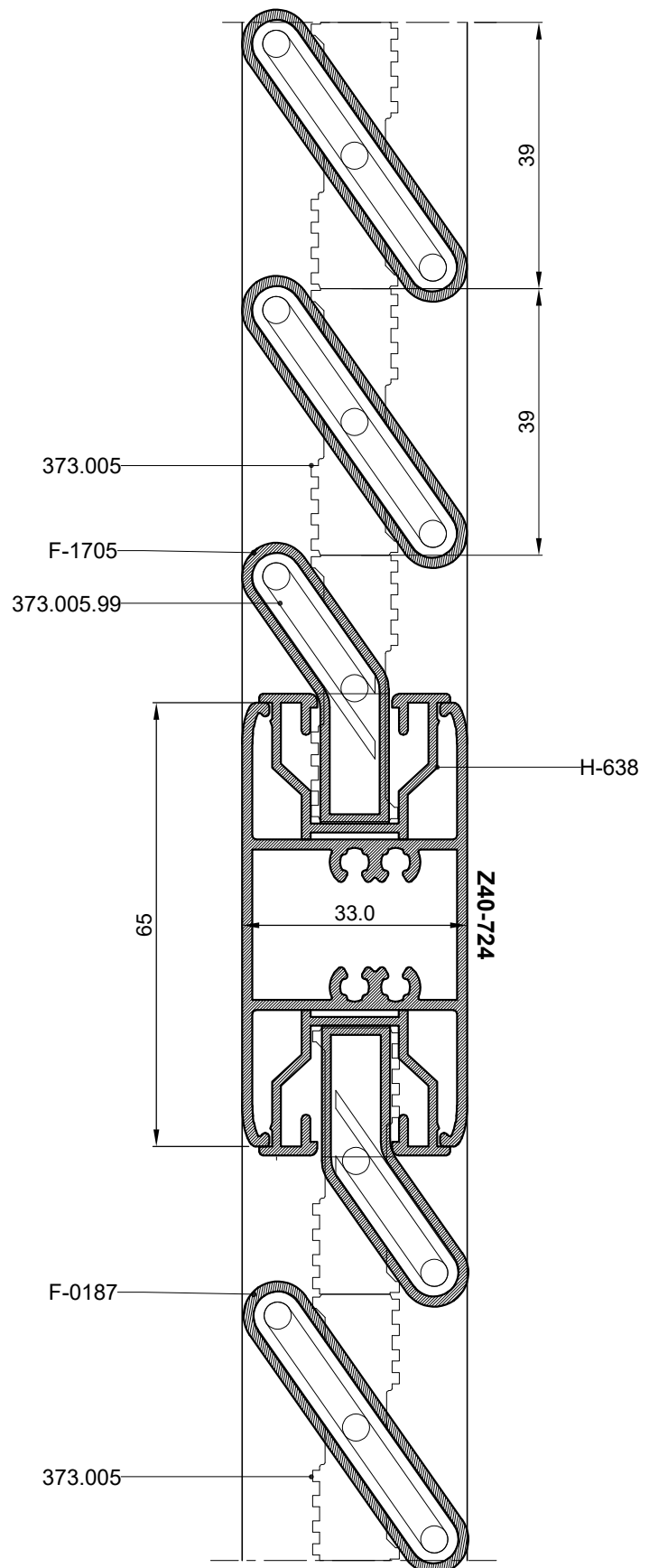


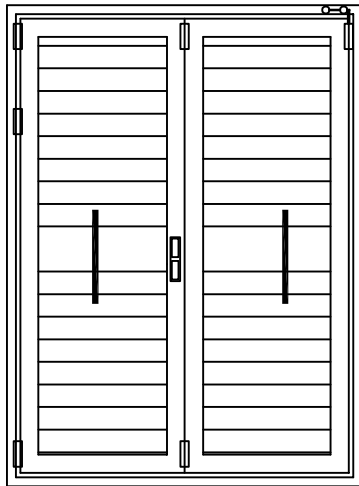
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae



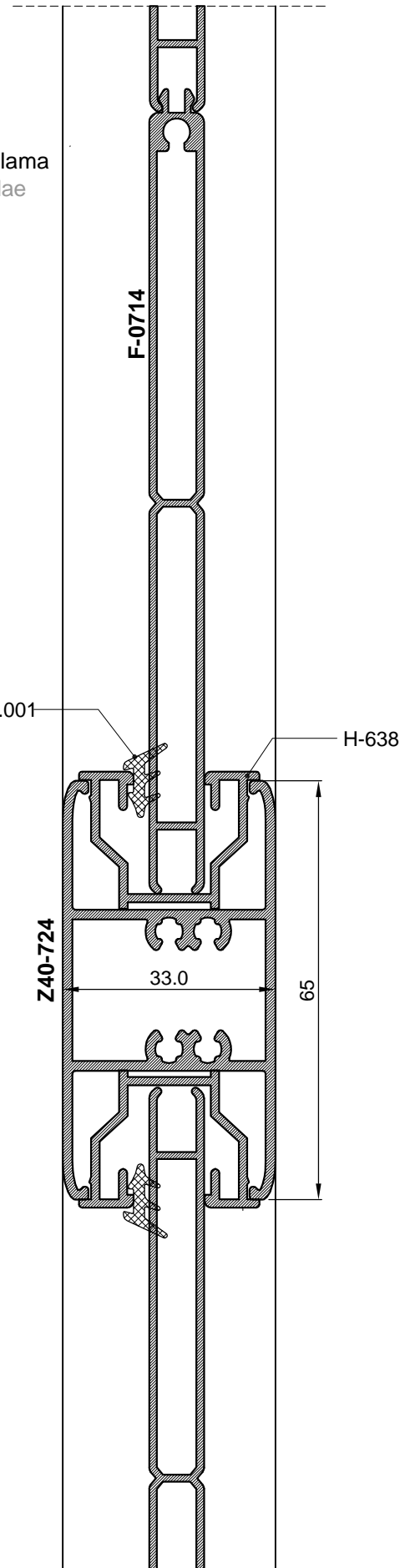
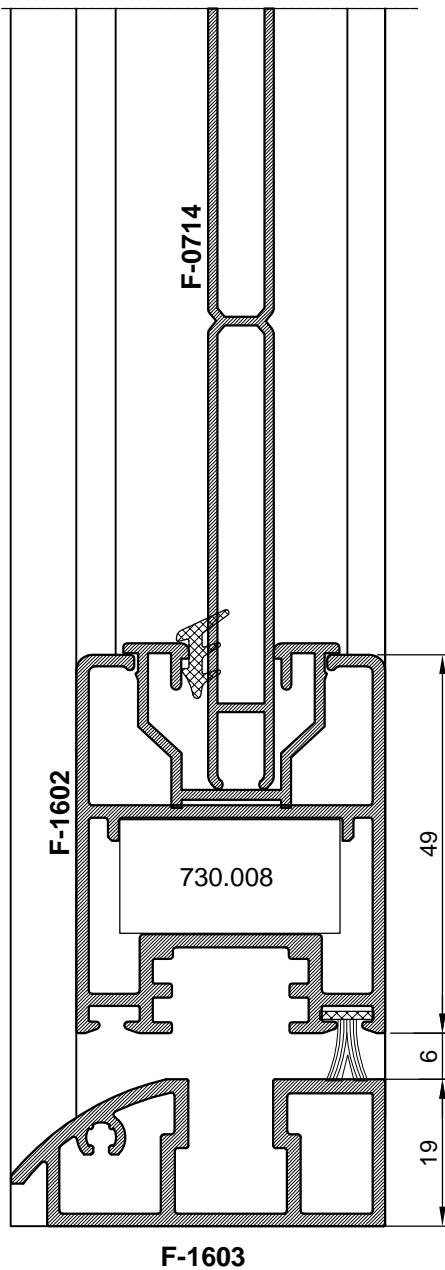


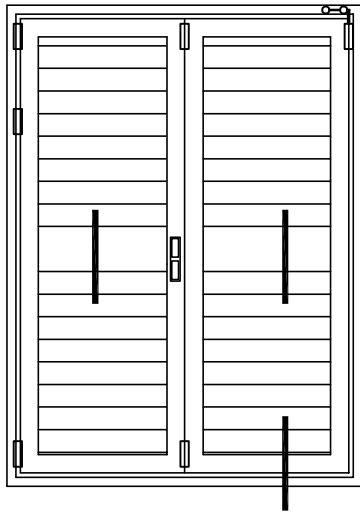
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae



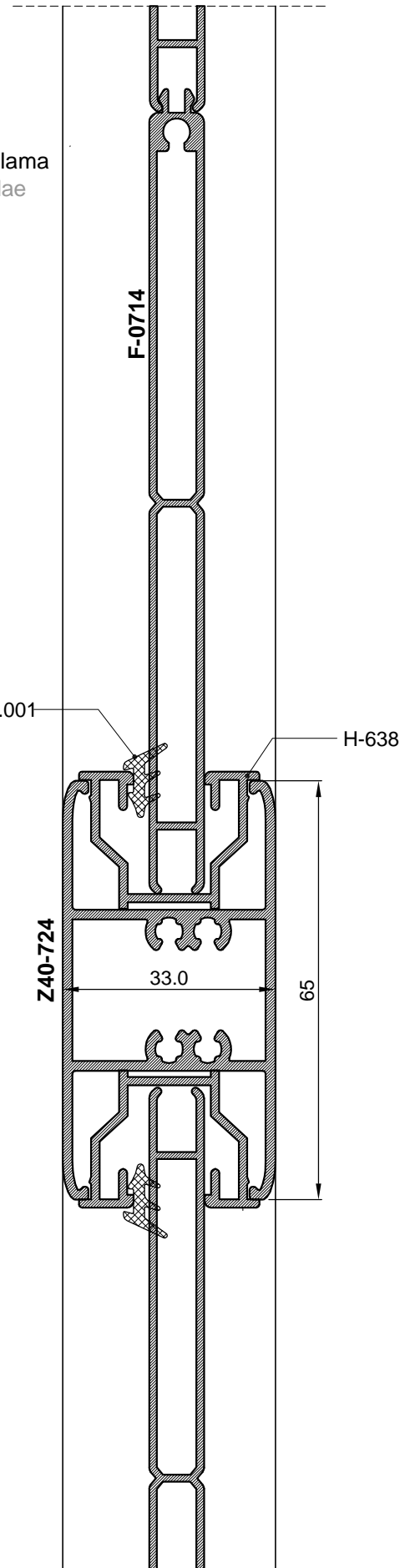
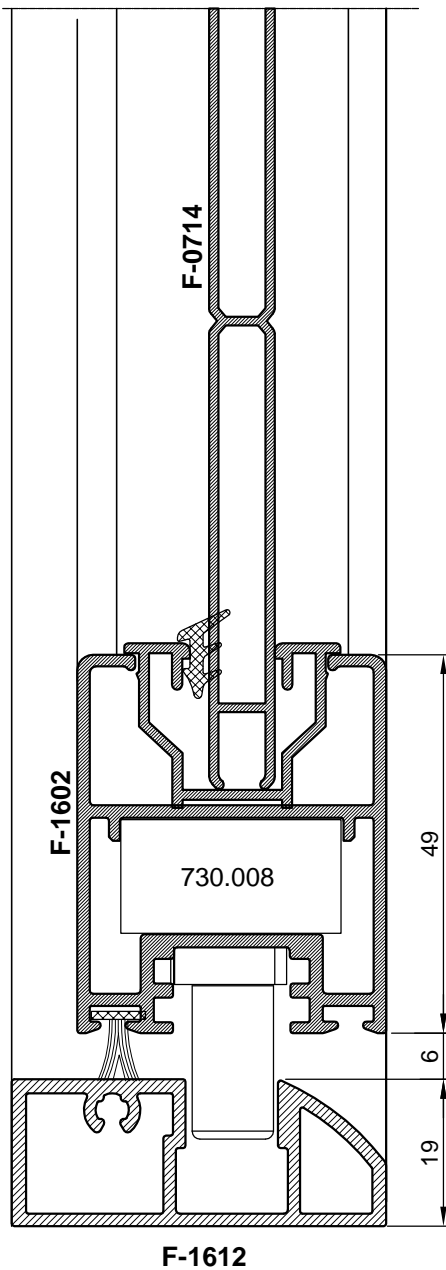


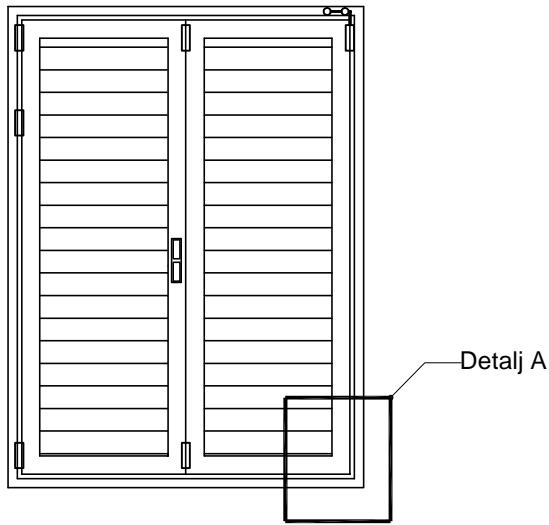
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae





Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

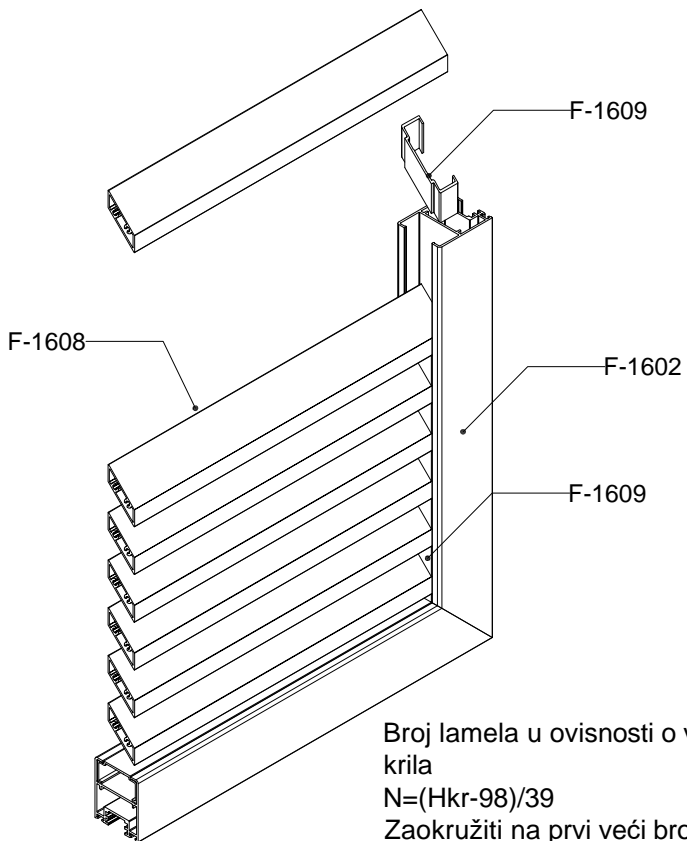




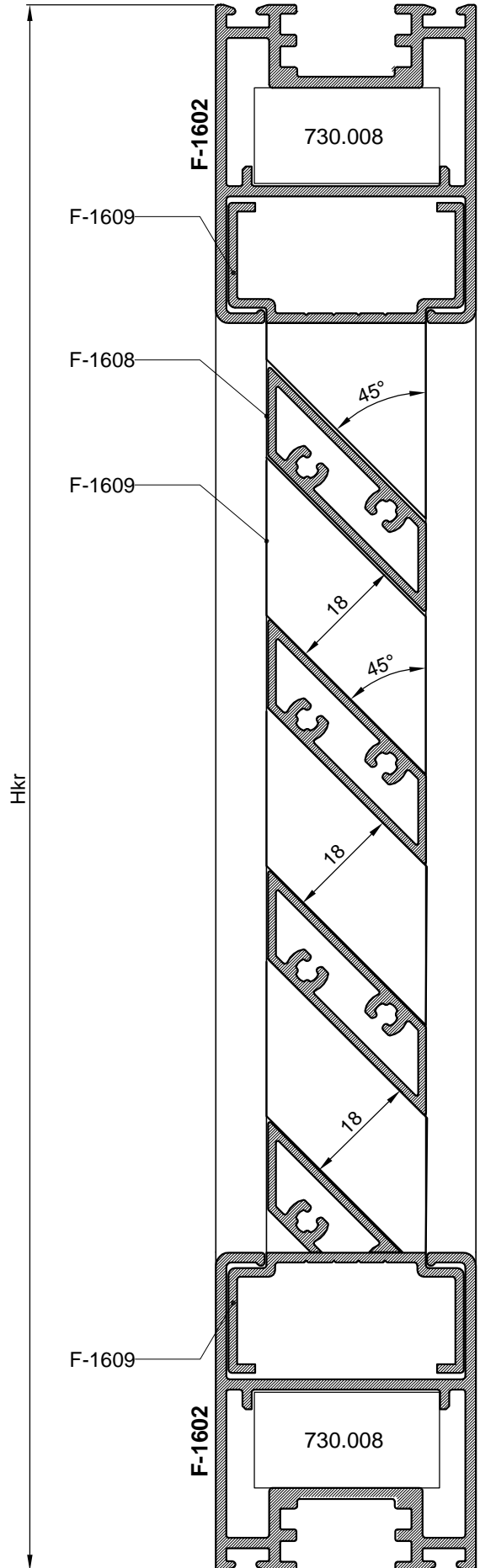
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

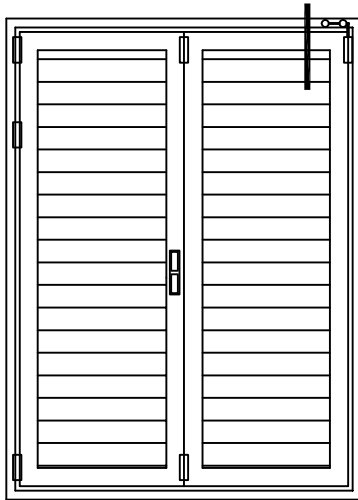
Prikaz montaže distancera:  
Distancere rezati pd kutom 45° širine  
18mm

Installation of spacers:  
Cut the spacers at an angle of 45 ° and  
18 mm wide



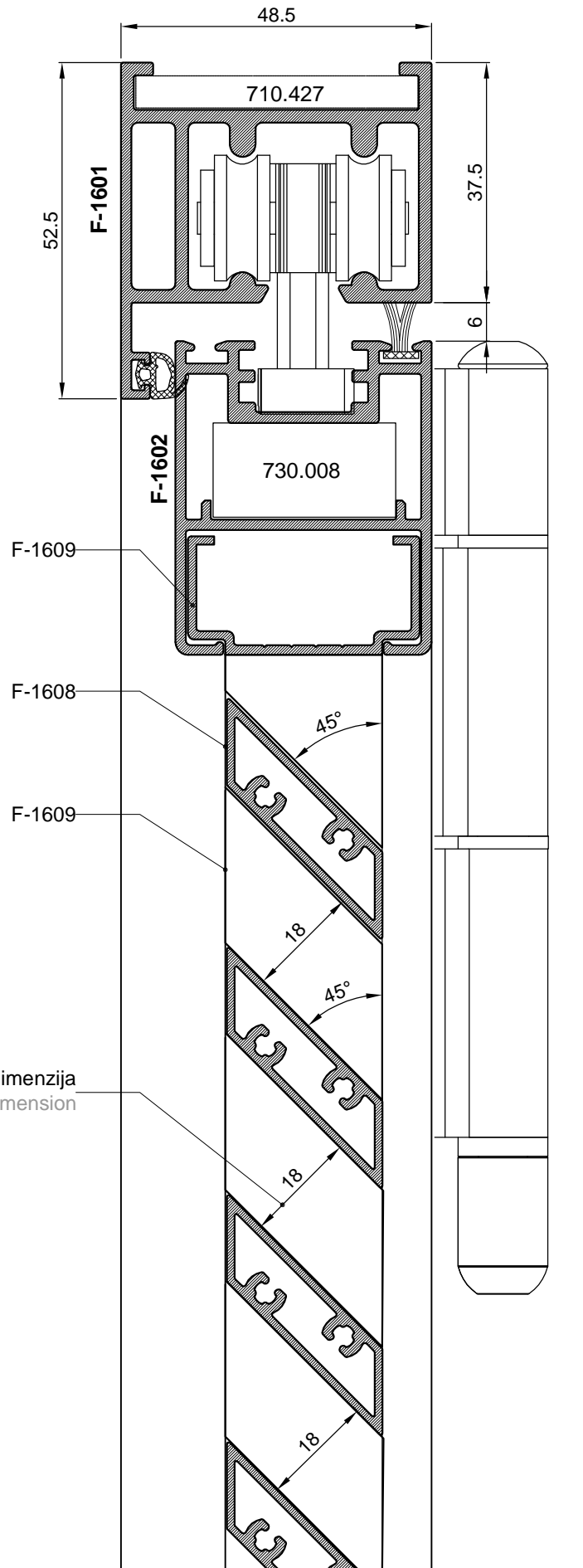
Broj lamela u ovisnosti o visini  
krila  
 $N = (H_{kr} - 98) / 39$   
Zaokružiti na prvi veći broj  
Number of lamellae in depending  
on height  
 $N = (H_{kr} - 98) / 39$   
Take the first higher number

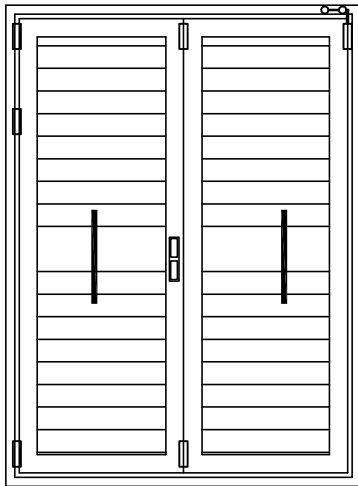




Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

Promjenjiva dimenzija  
Changeable dimension





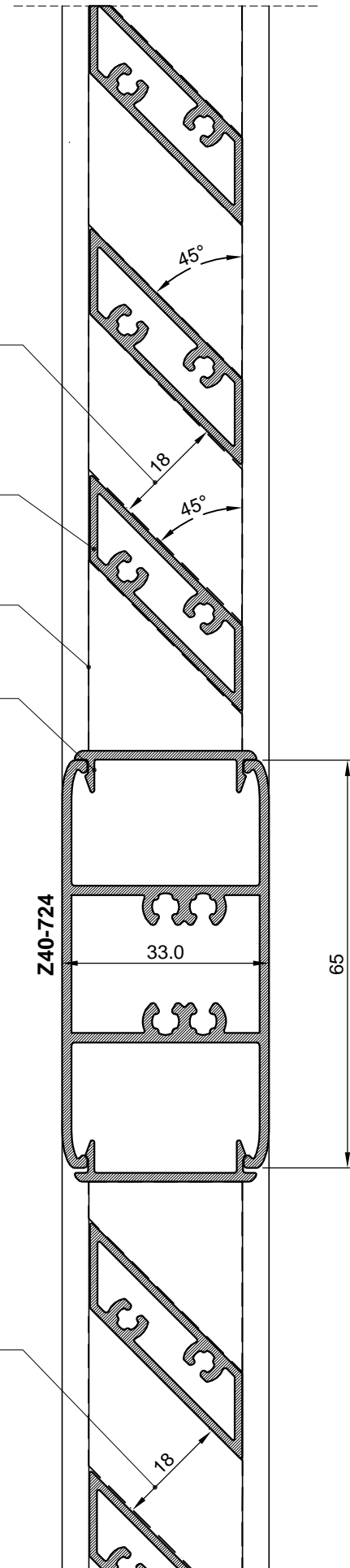
Harmonika grijla s fiksnim lamelama  
Folding shutter with fixed lamellae

Promjenjiva dimenzija  
Changeable dimension

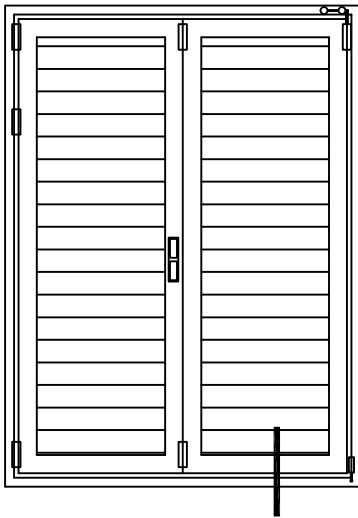
F-1608

F-1609

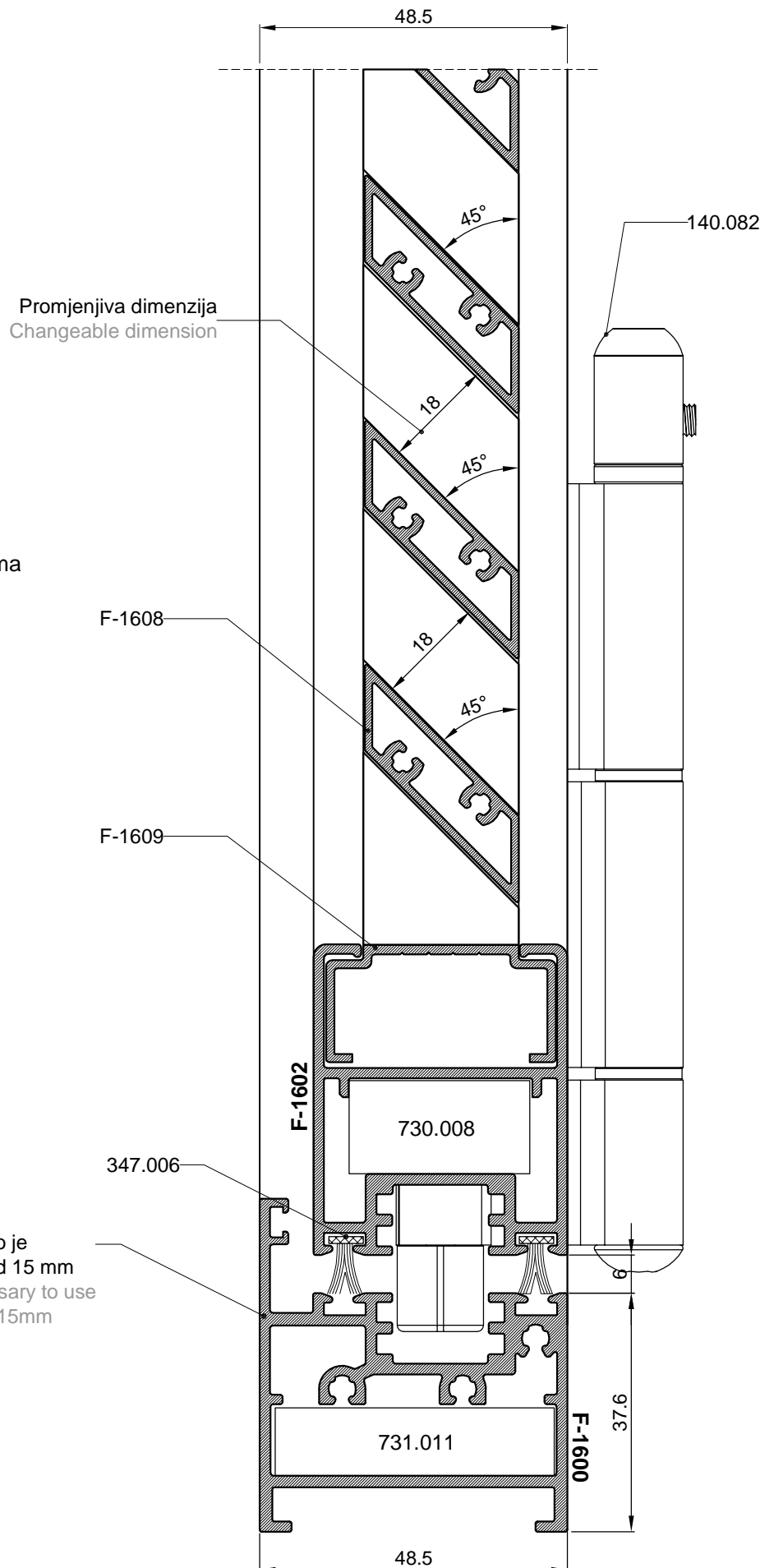
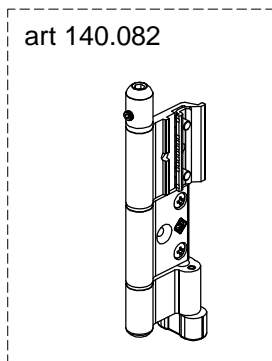
F-1613



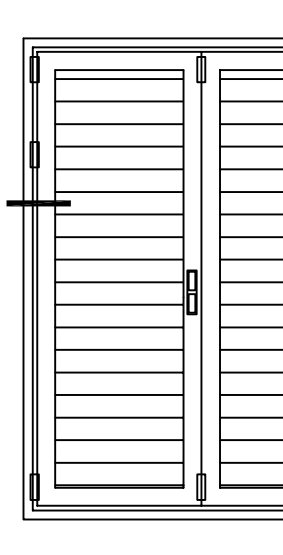
Promjenjiva dimenzija  
Changeable dimension



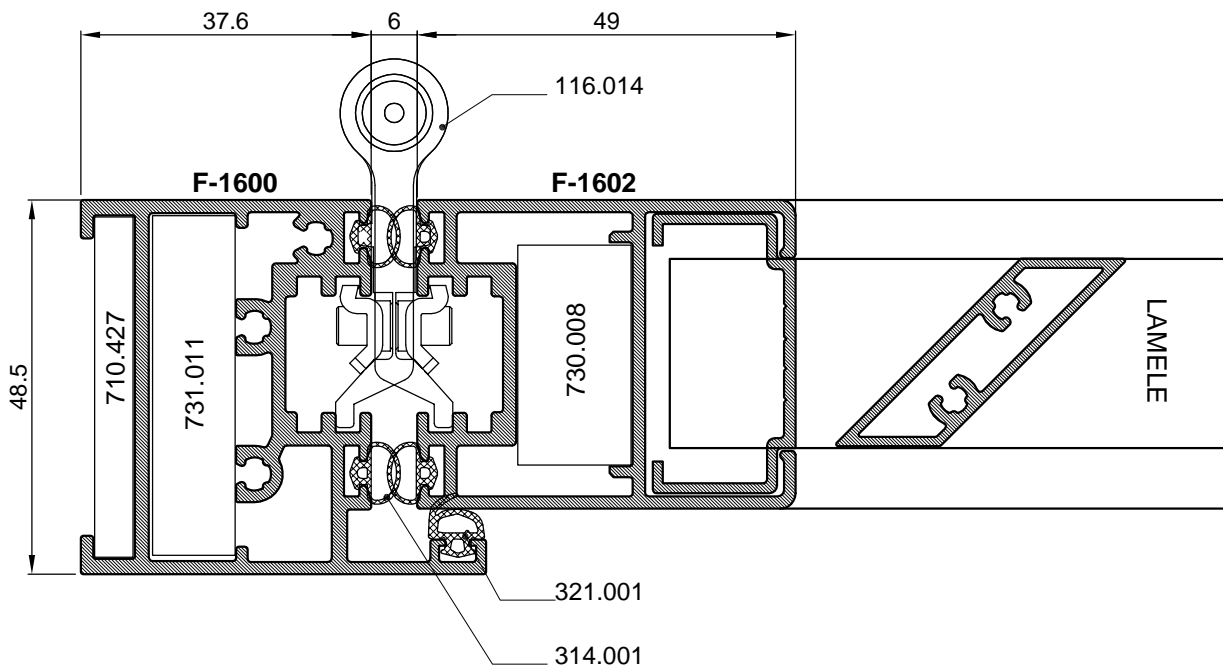
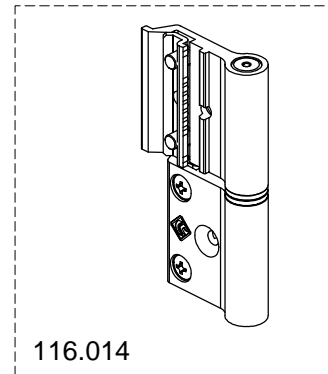
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae



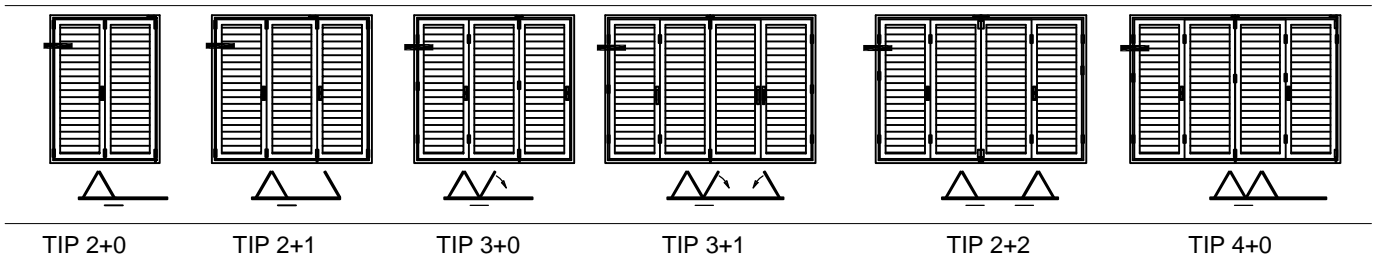
Za profil F-1600 potrebno je koristiti okove za žlijeb od 15 mm  
For profile F-1600 necessary to use hardwares for groove of 15mm

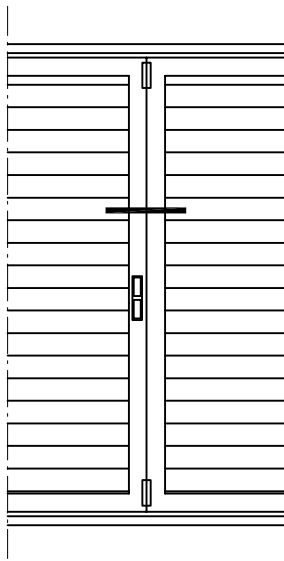


Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae

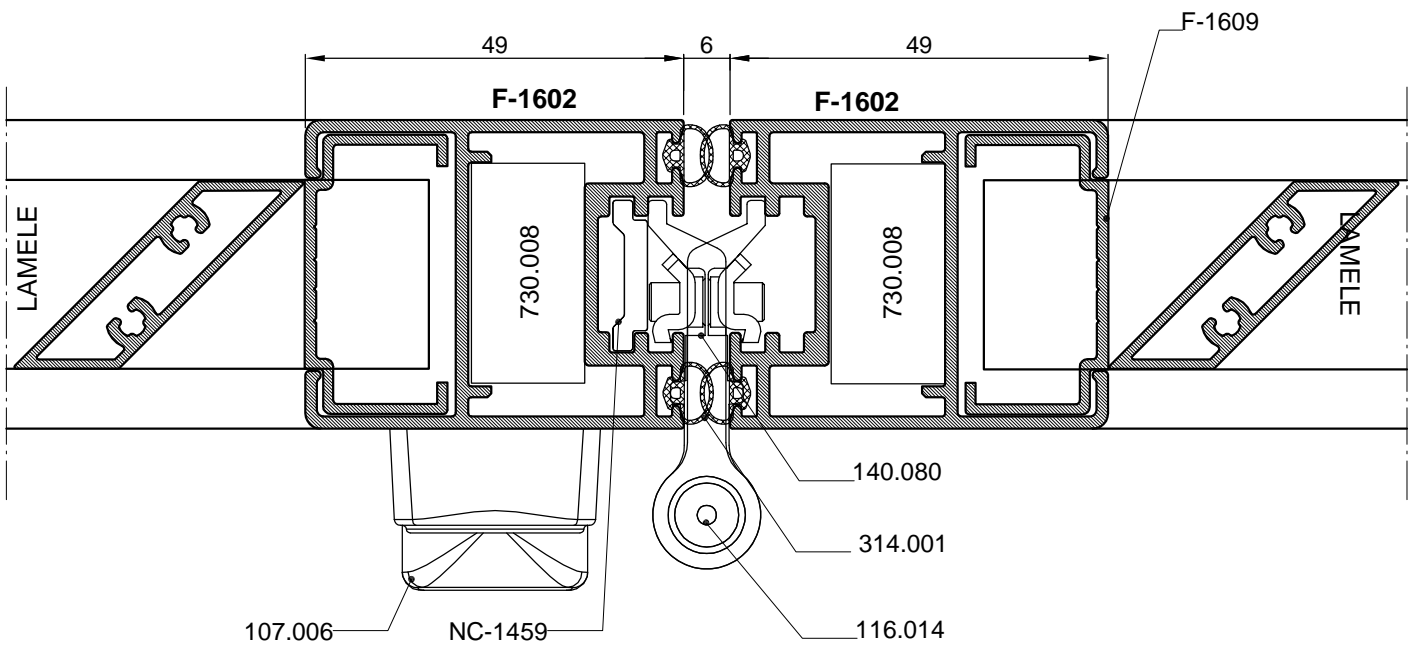
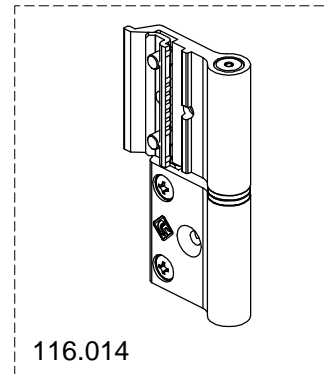


### TIPOVI OTVARANJA-OPENING TYPES

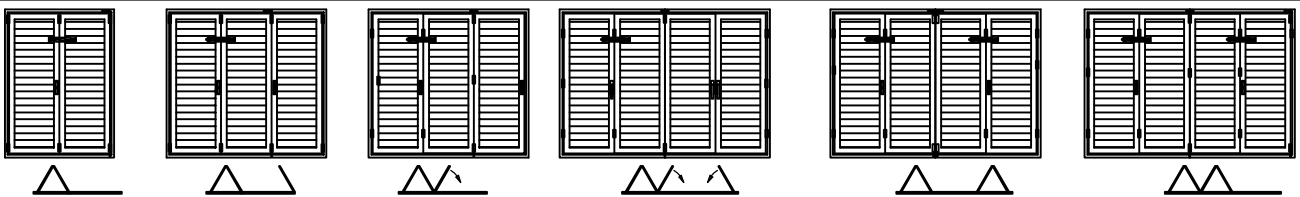




Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

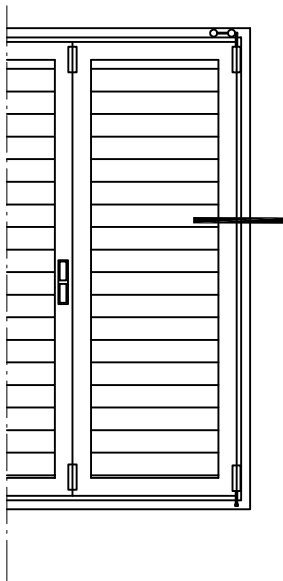
TIP 2+1

TIP 3+0

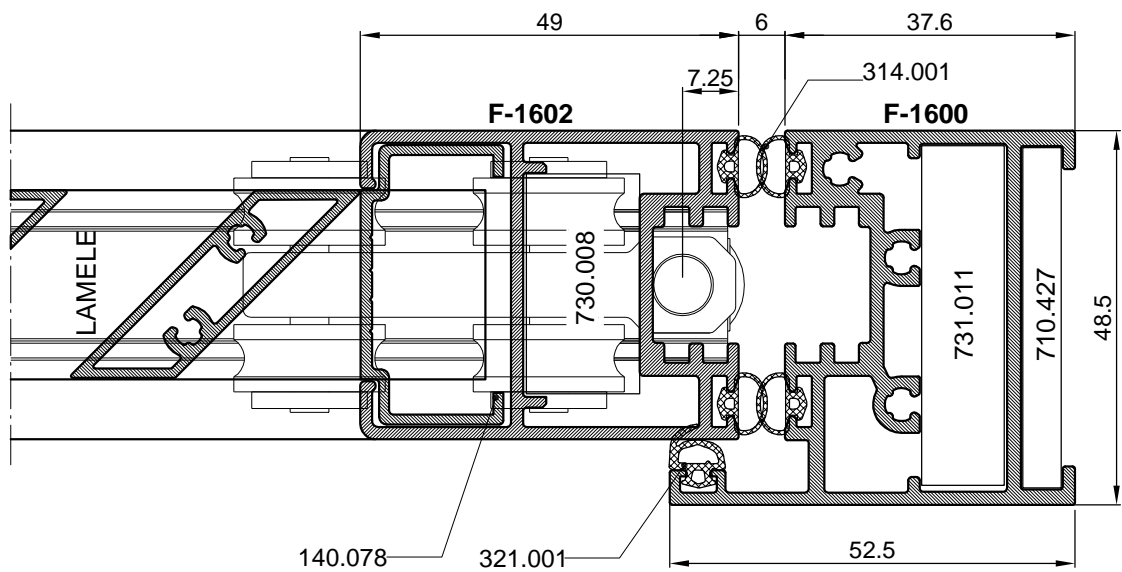
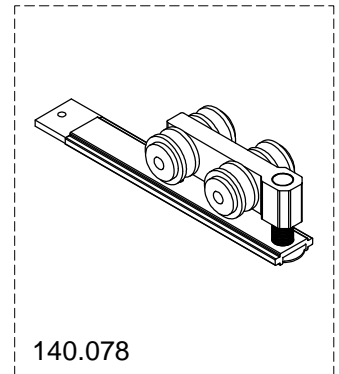
TIP 3+1

TIP 2+2

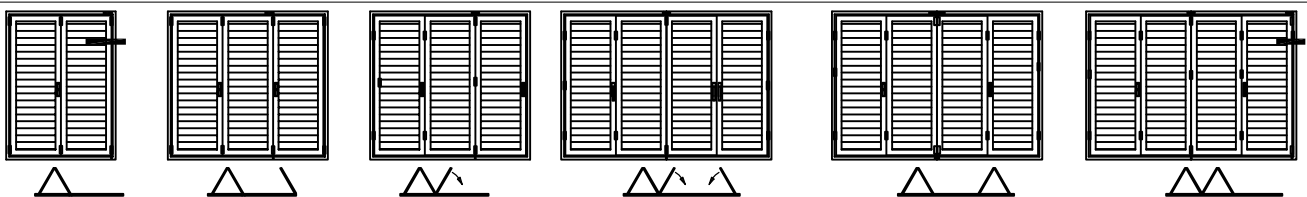
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

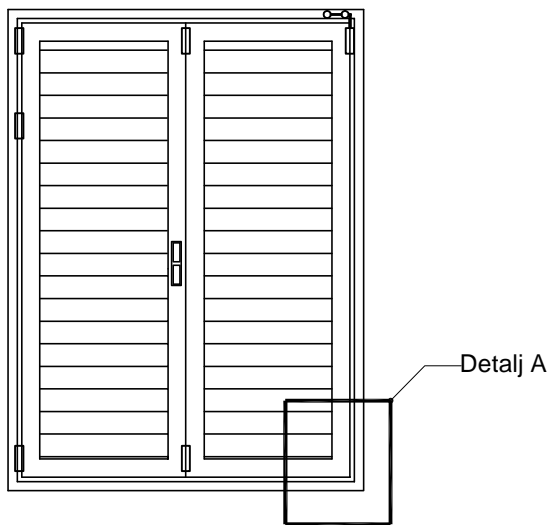
TIP 2+1

TIP 3+0

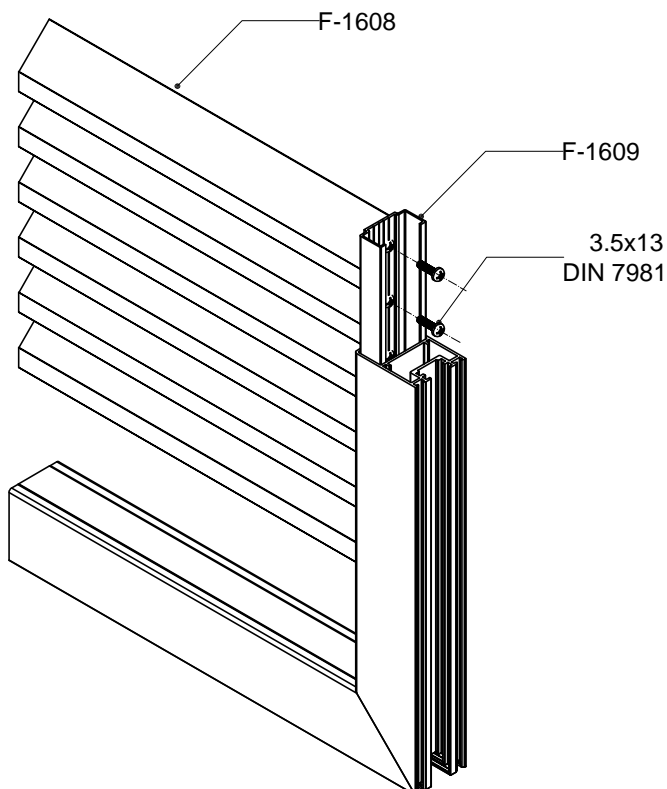
TIP 3+1

TIP 2+2

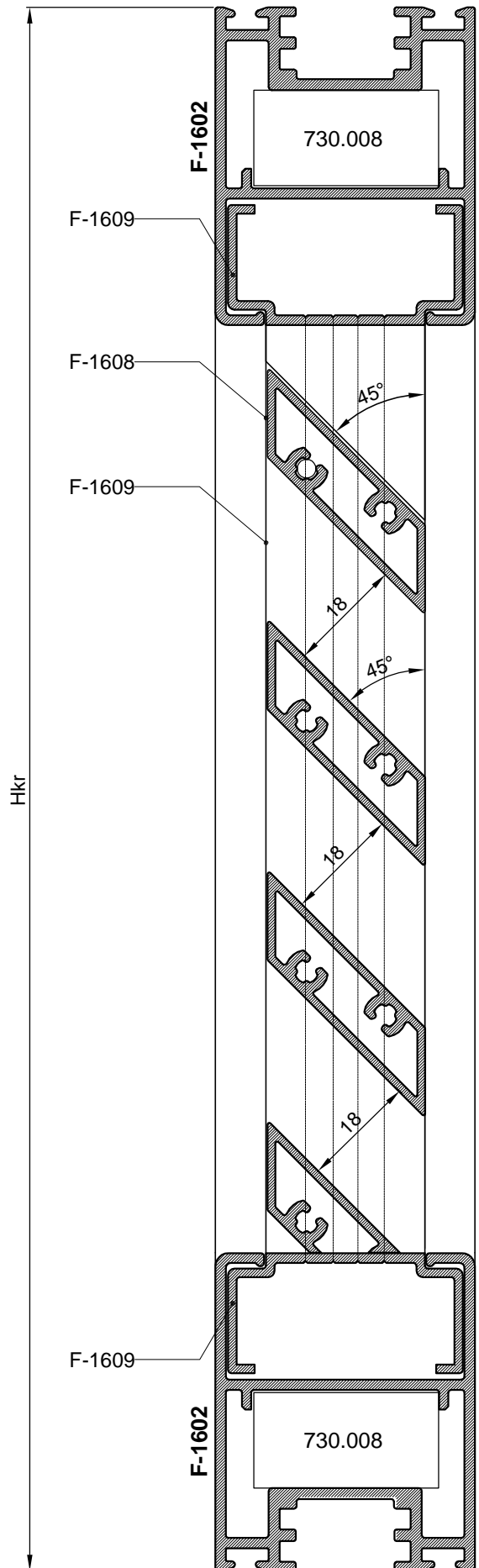
TIP 4+0

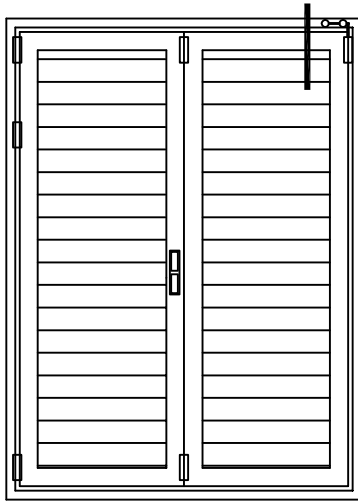


Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae



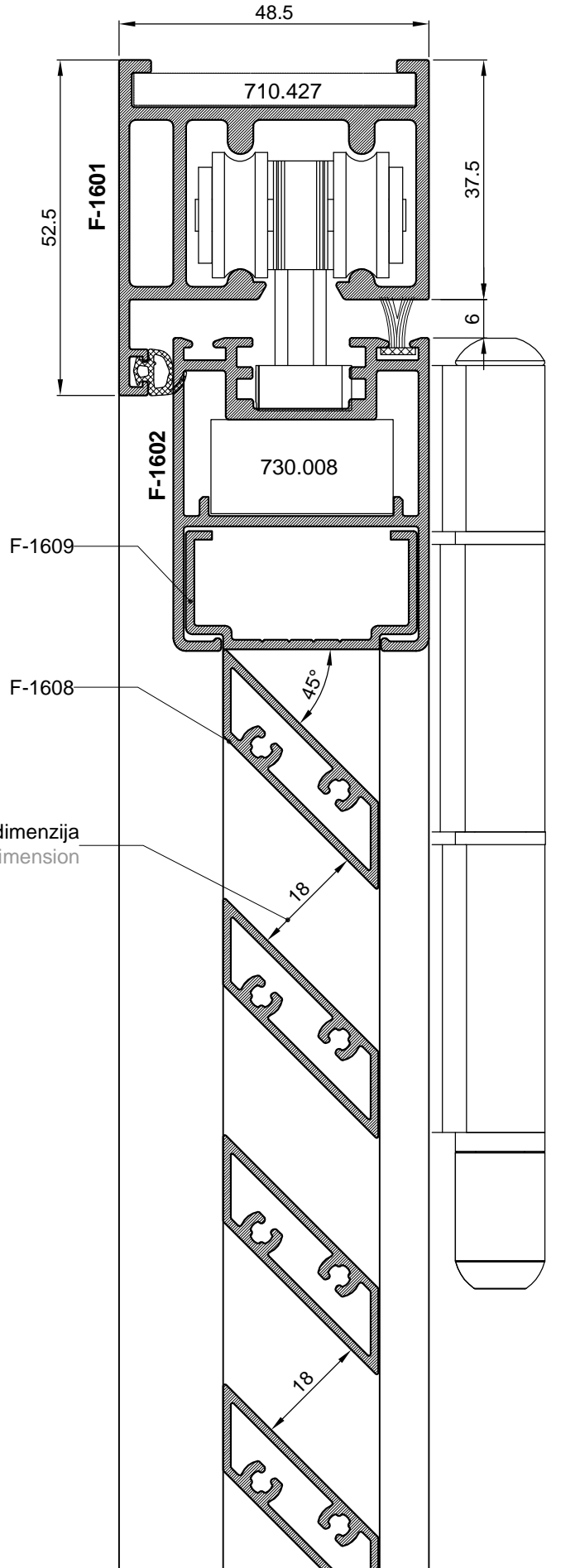
Broj lamela u ovisnosti o visini  
krila  
 $N = (H_{kr} - 98) / 39$   
Zaokružiti na prvi veći broj  
Number of lamellae in depending  
on height  
 $N = (H_{kr} - 98) / 39$   
Take the first higher number

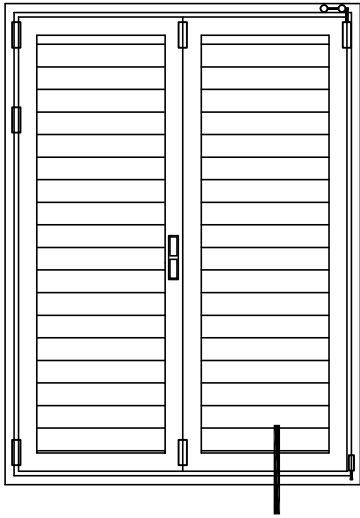




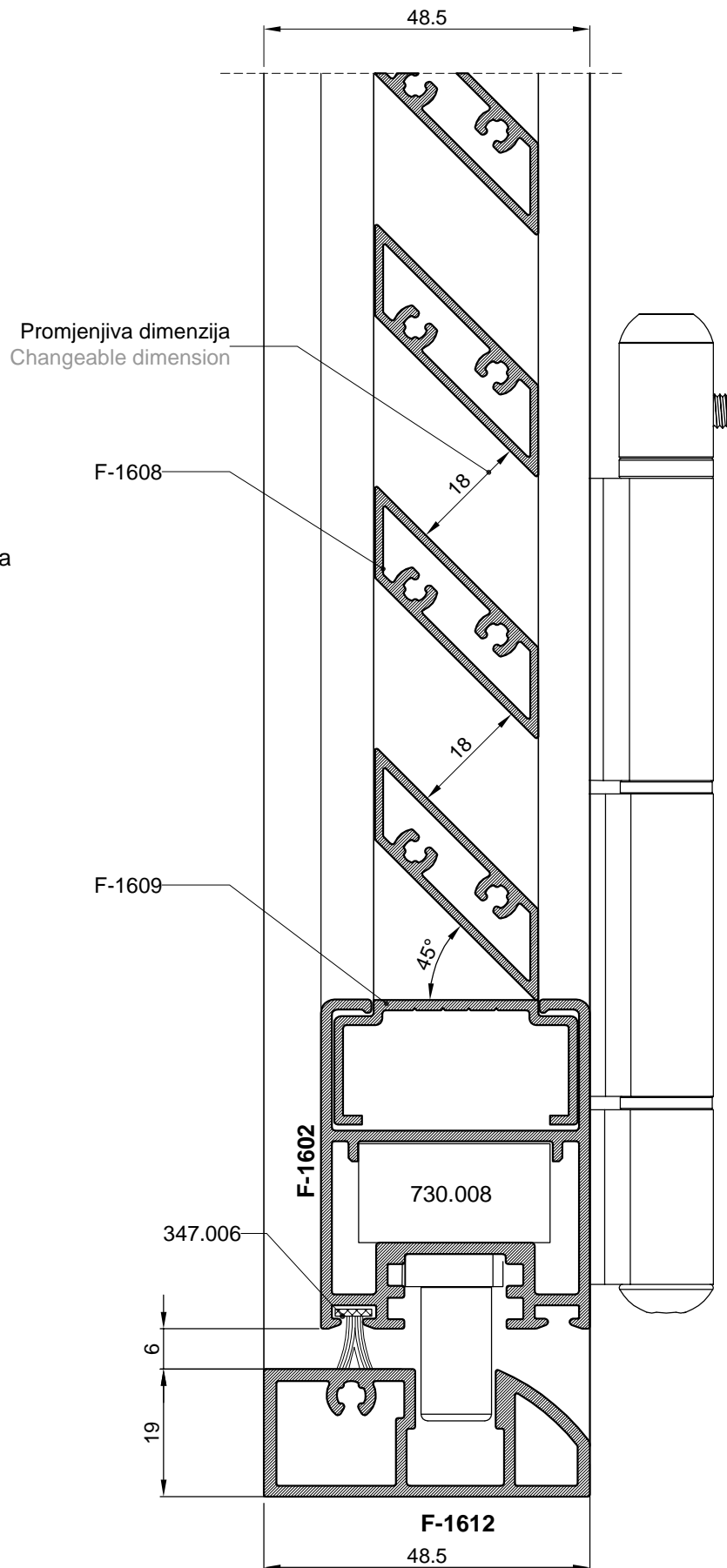
Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

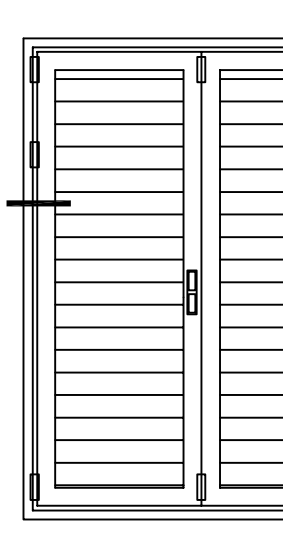
Promjenjiva dimenzija  
Changeable dimension



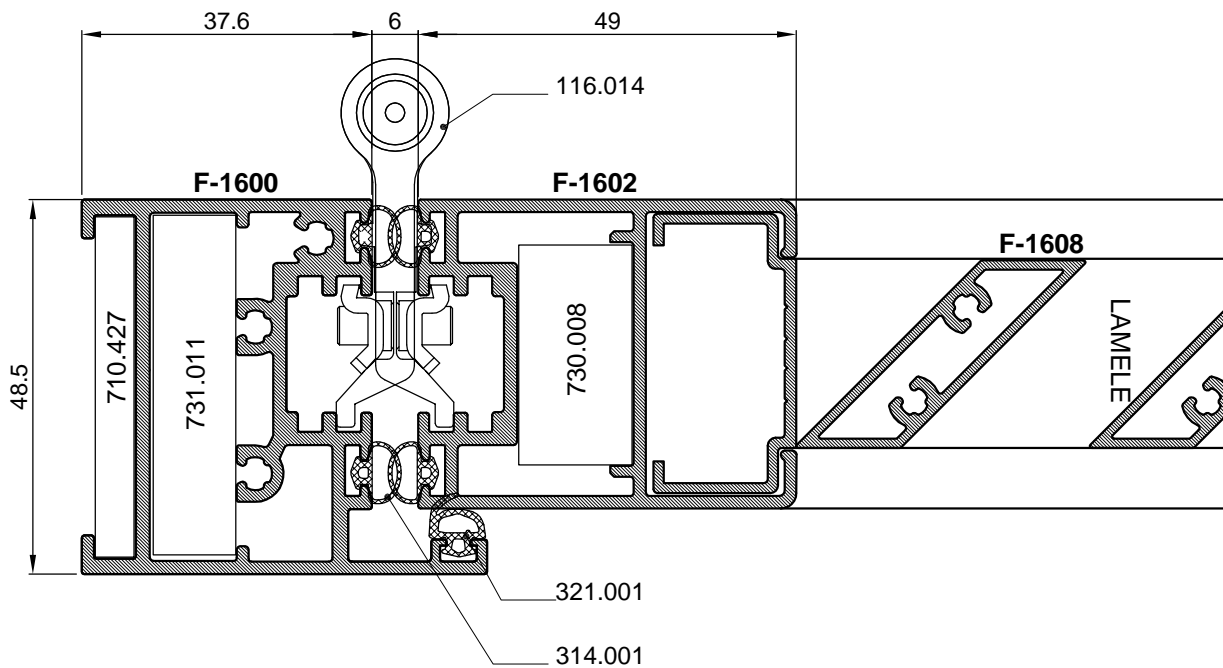
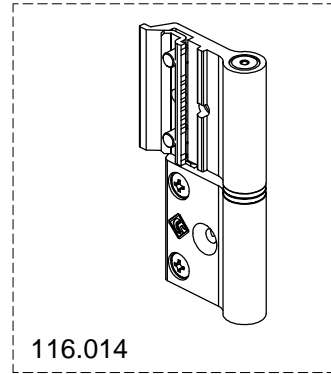


Harmonika grilja s fiksnim lamelama  
Folding shutter with fixed lamellae

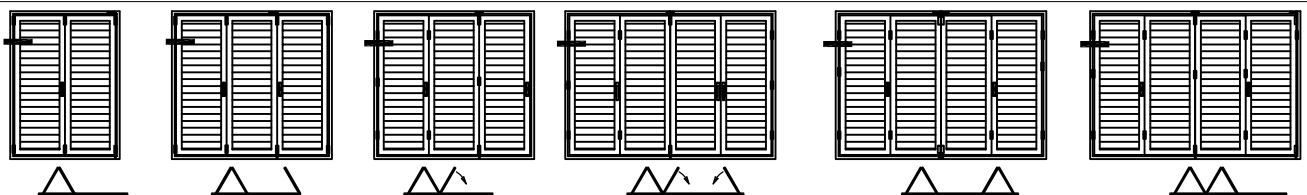




Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

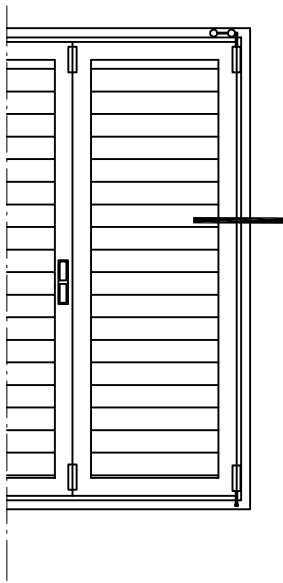
TIP 2+1

TIP 3+0

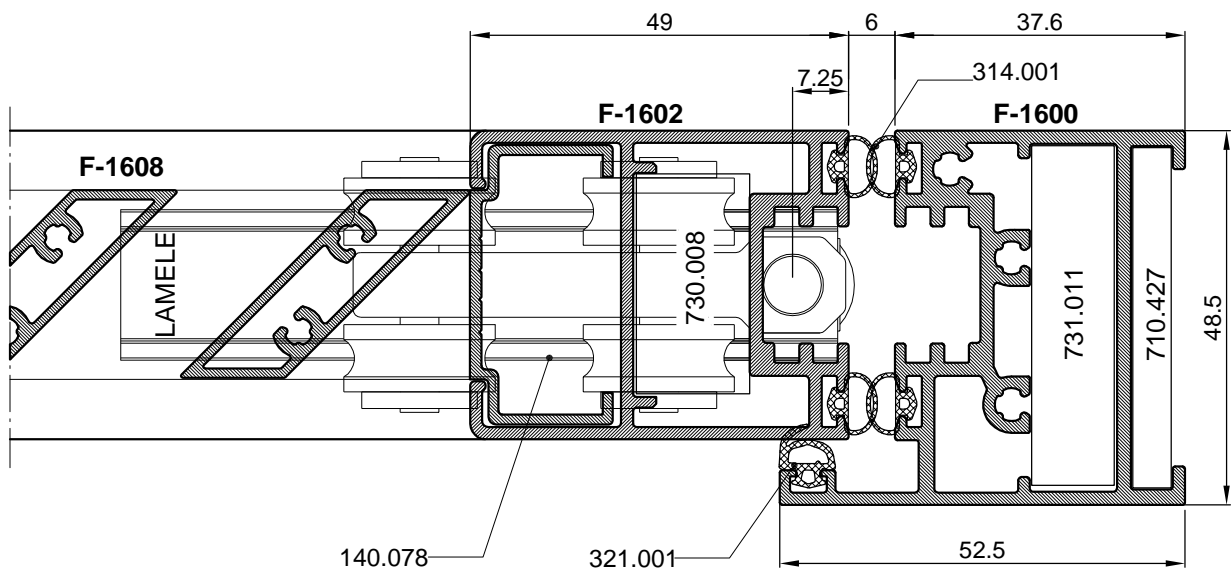
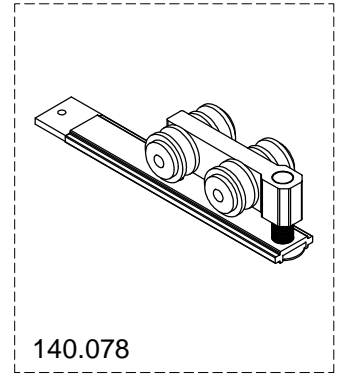
TIP 3+1

TIP 2+2

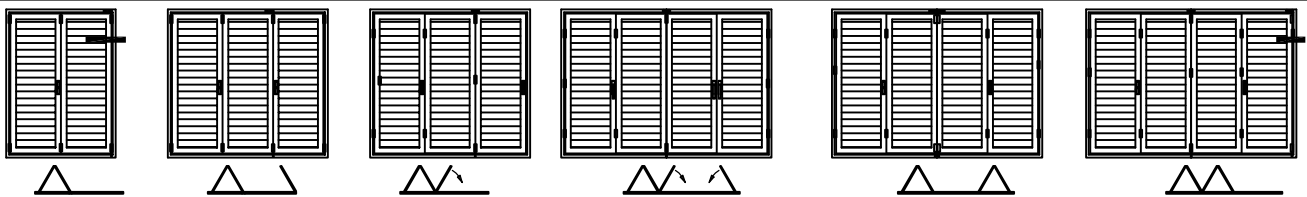
TIP 4+0



Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

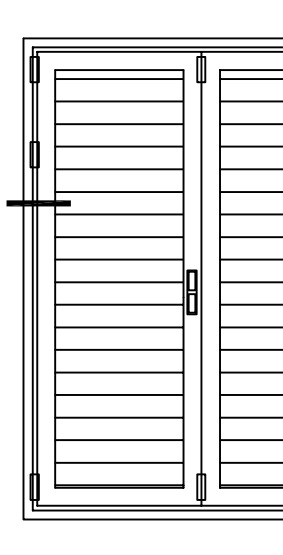
TIP 2+1

TIP 3+0

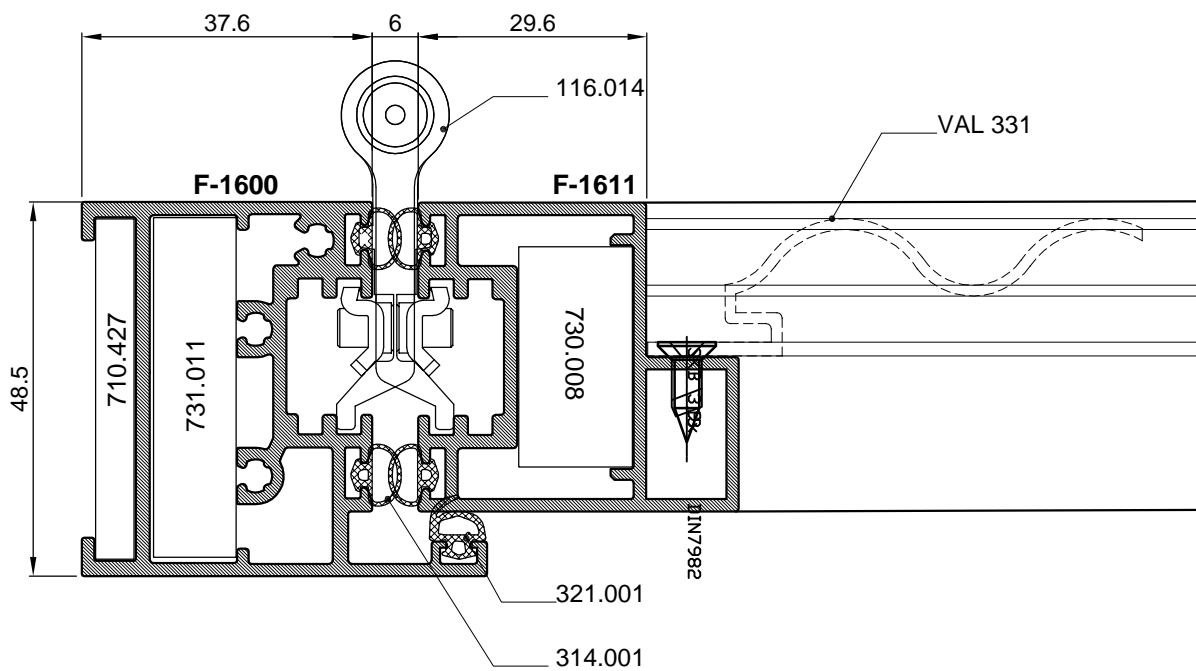
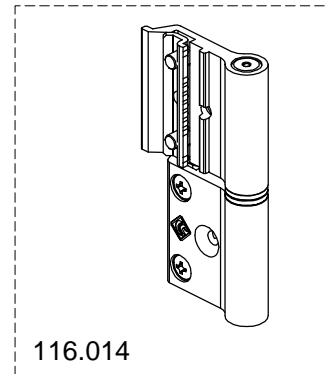
TIP 3+1

TIP 2+2

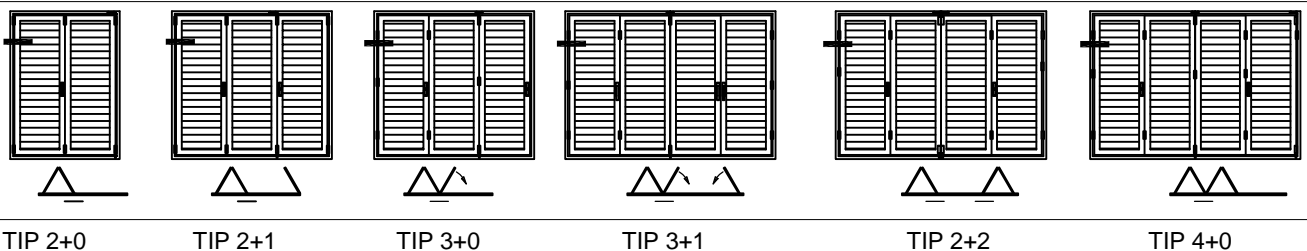
TIP 4+0

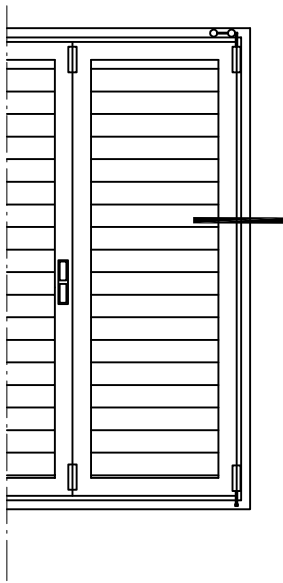


Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae

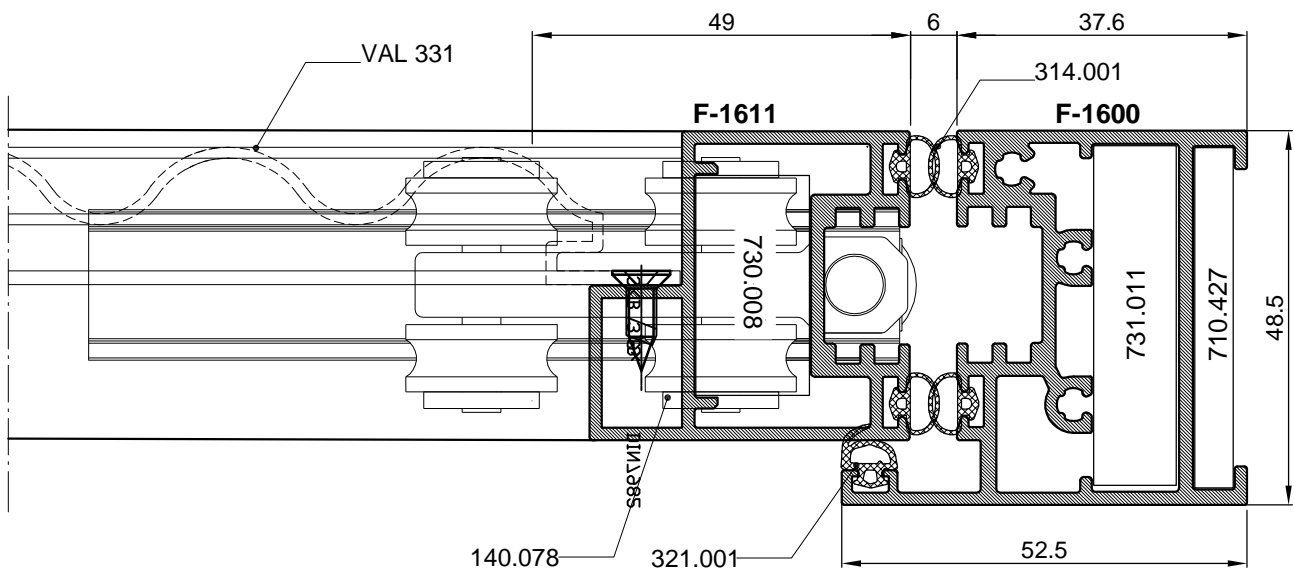
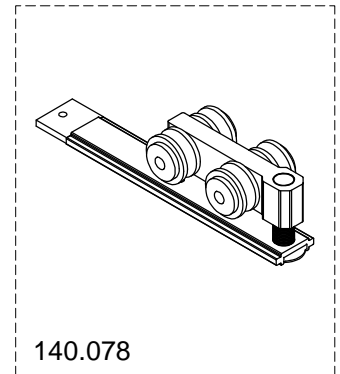


### TIPOVI OTVARANJA-OPENING TYPES

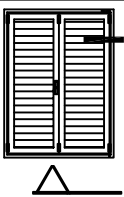




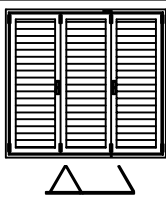
Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



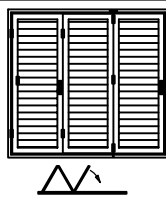
### TIPOVI OTVARANJA-OPENING TYPES



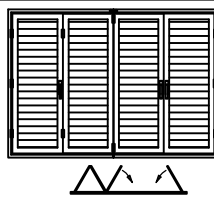
TIP 2+0



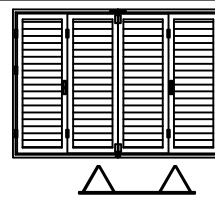
TIP 2+1



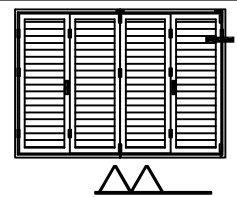
TIP 3+0



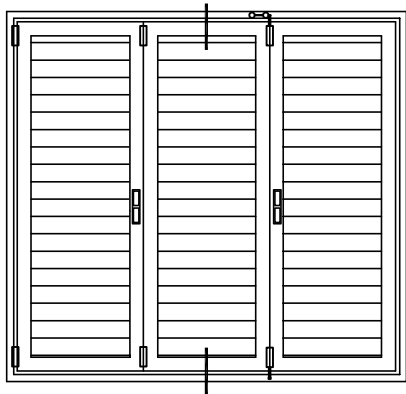
TIP 3+1



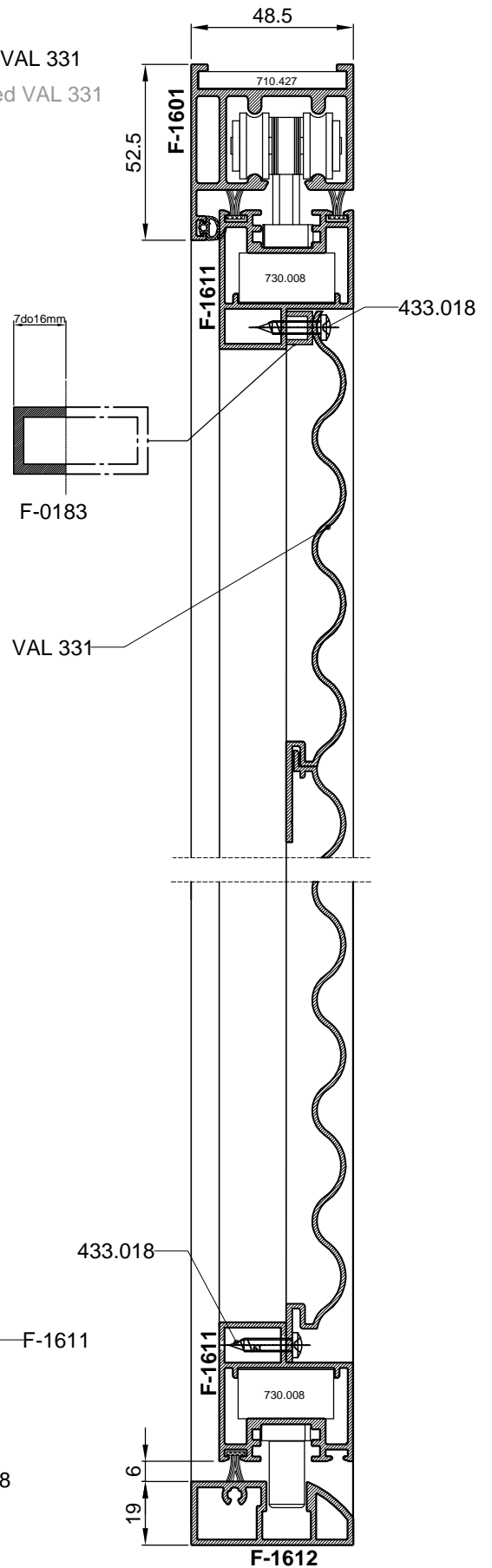
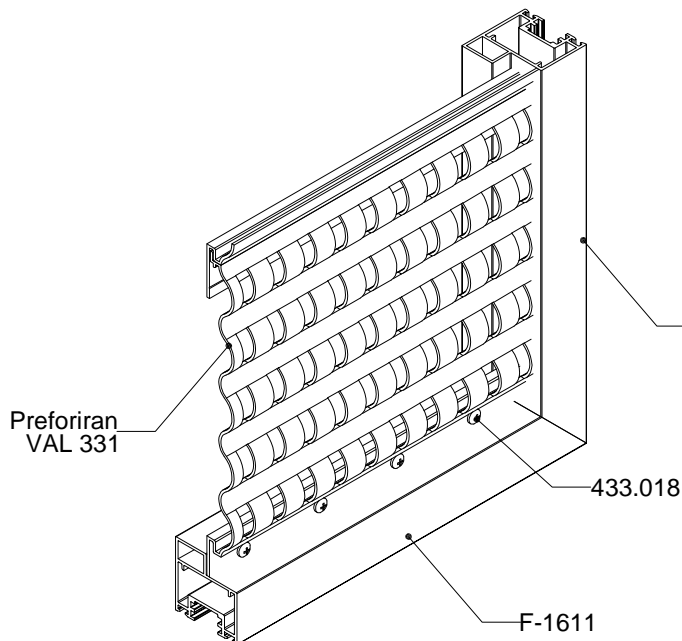
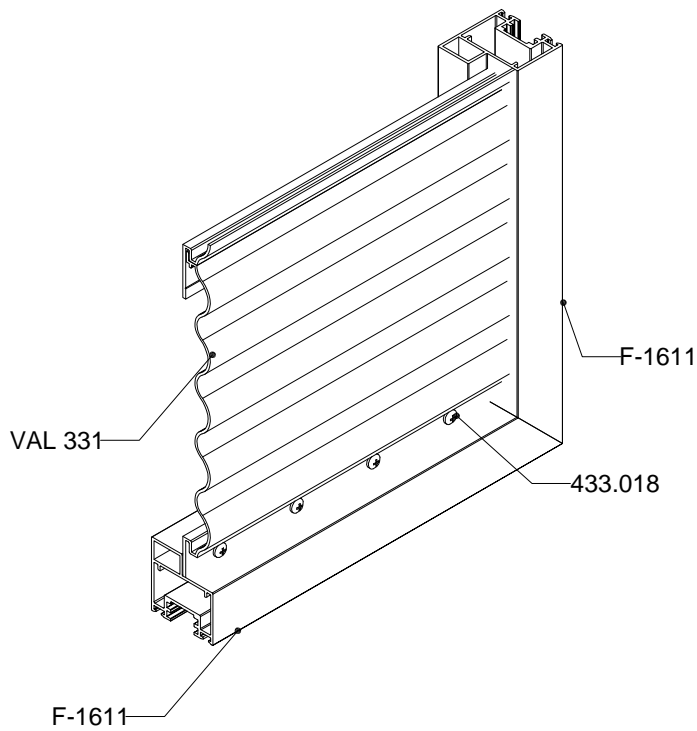
TIP 2+2

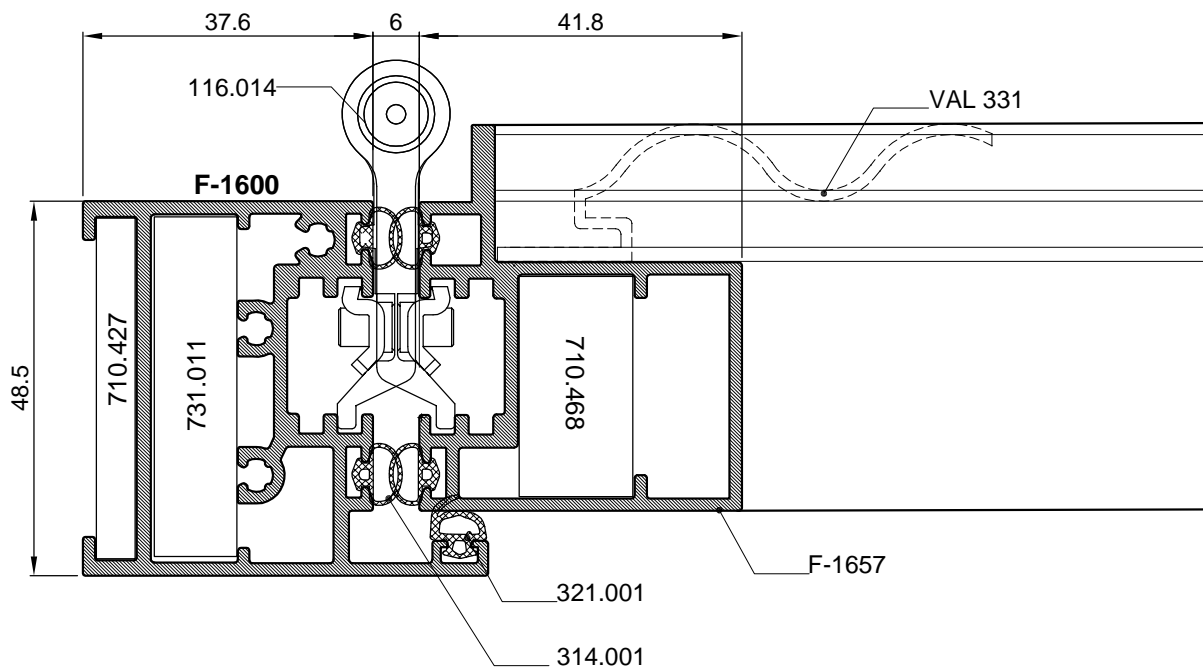
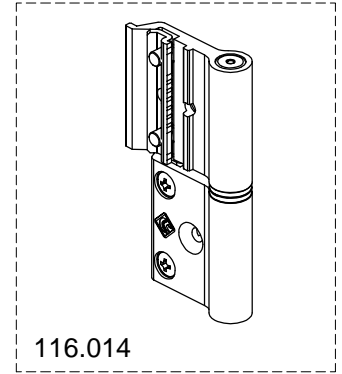
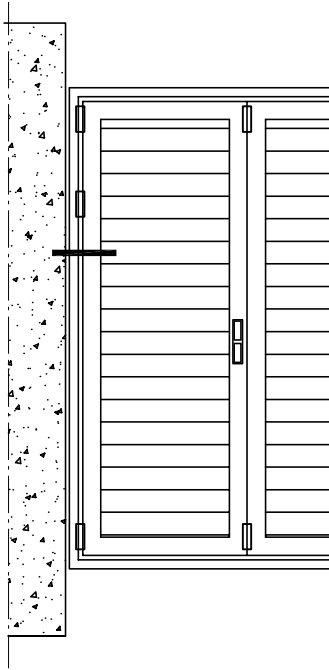


TIP 4+0

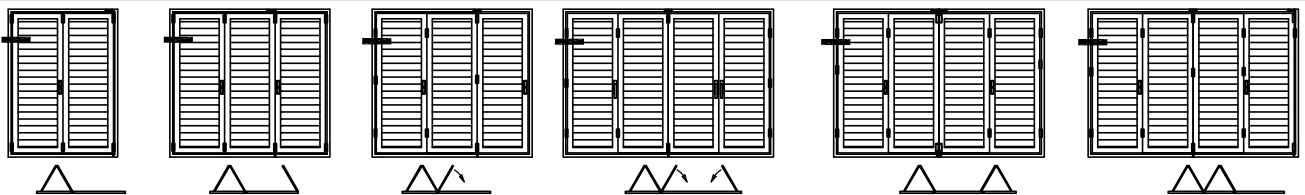


Fixna grilja-Perforirani VAL 331  
Fixed shutter-Perforated VAL 331





### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

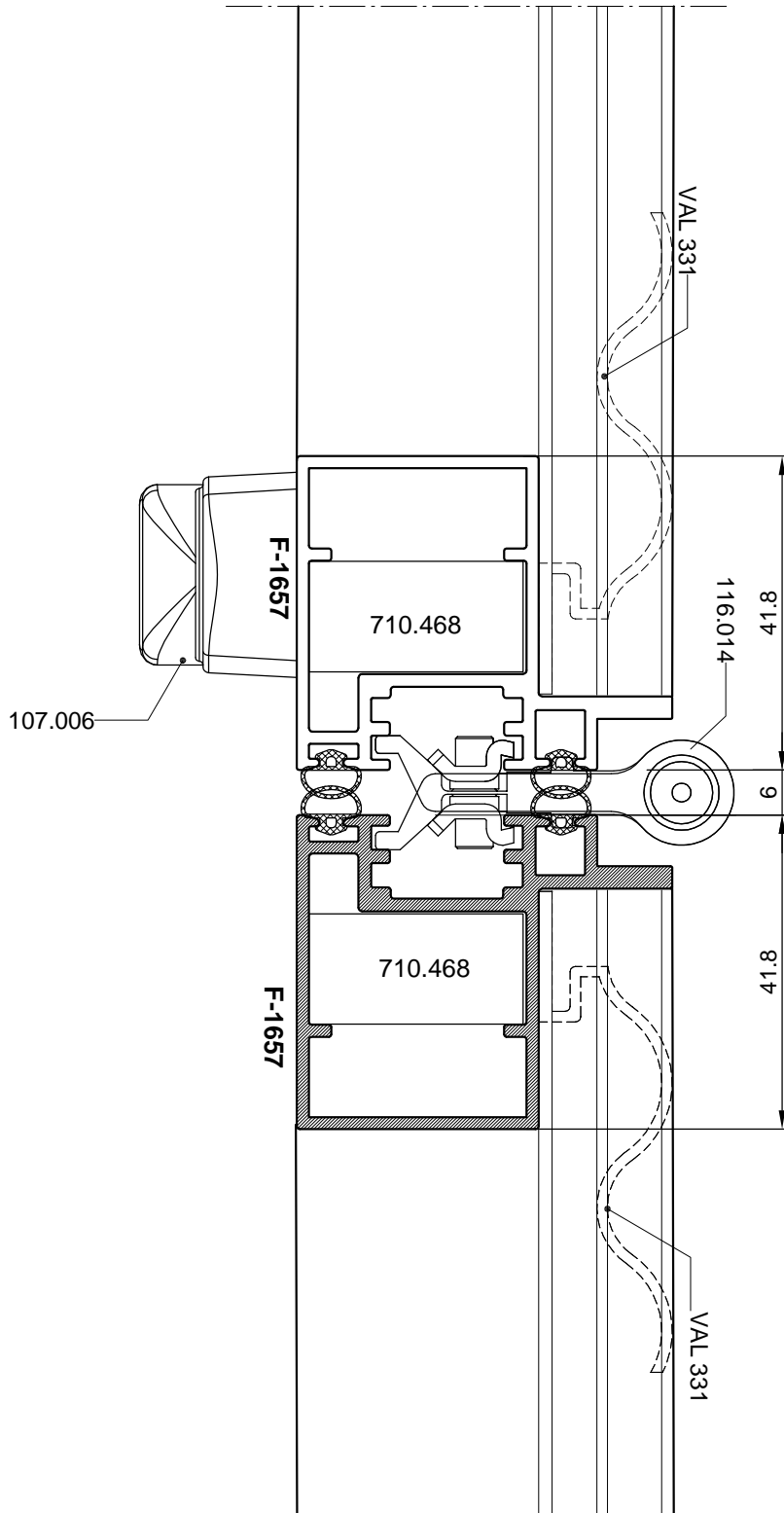
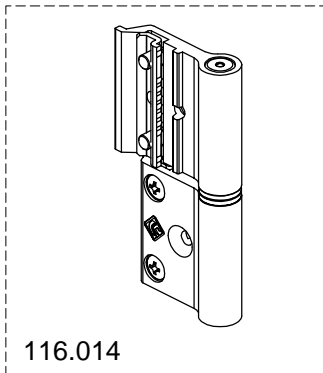
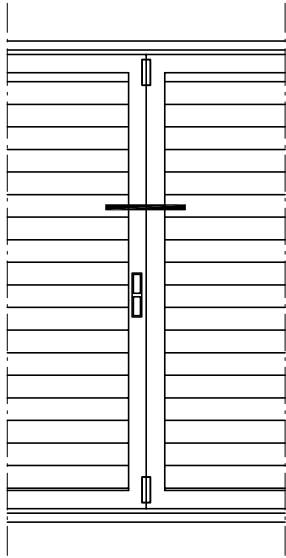
TIP 2+1

TIP 3+0

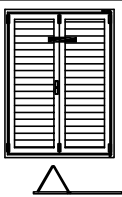
TIP 3+1

TIP 2+2

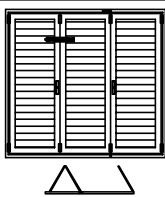
TIP 4+0



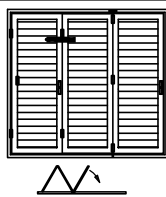
### TIPOVI OTVARANJA-OPENING TYPES



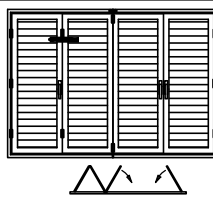
TIP 2+0



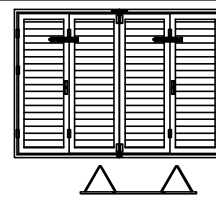
TIP 2+1



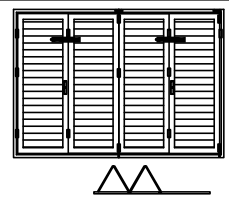
TIP 3+0



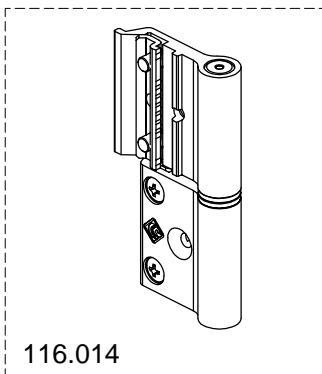
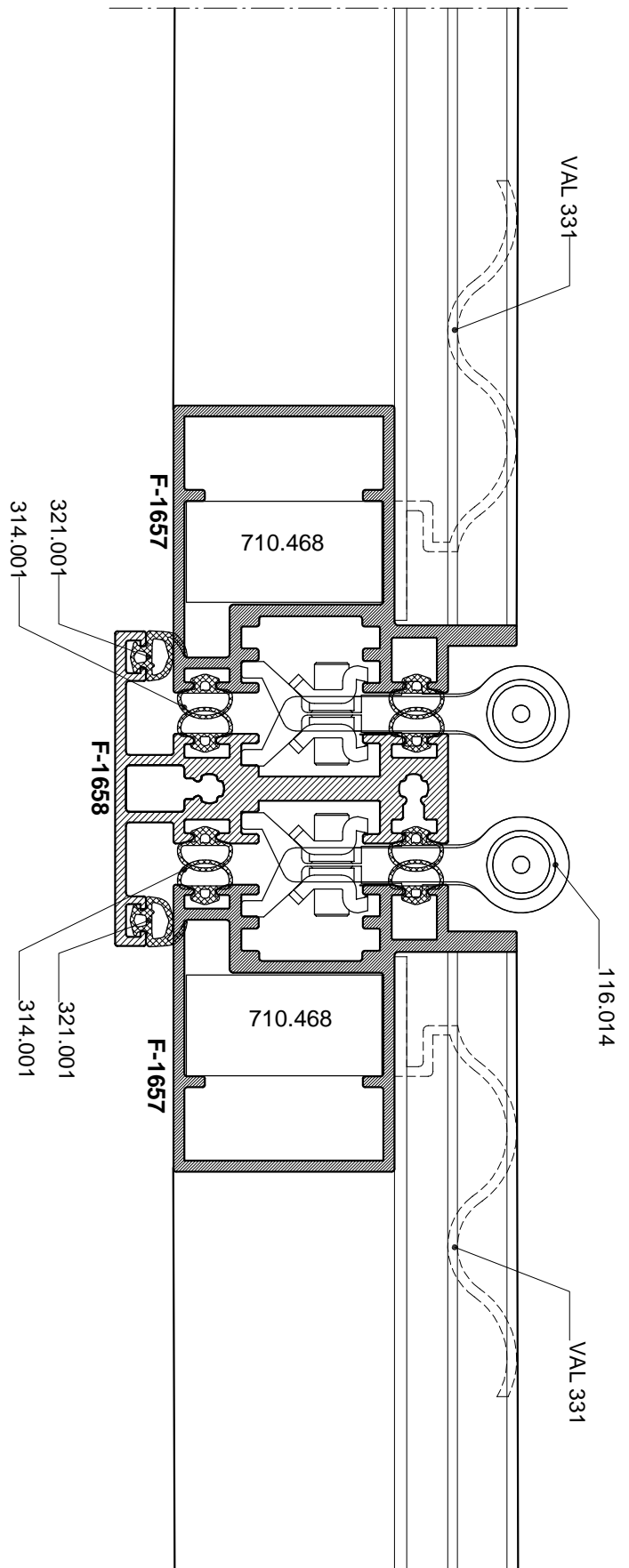
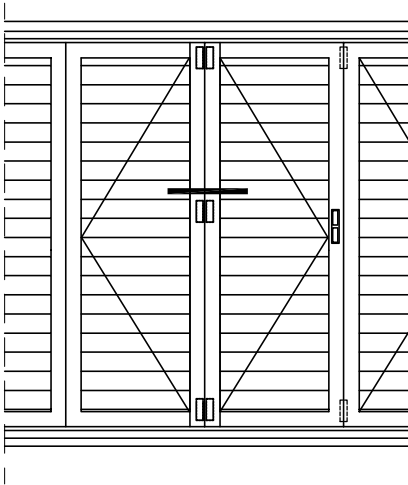
TIP 3+1

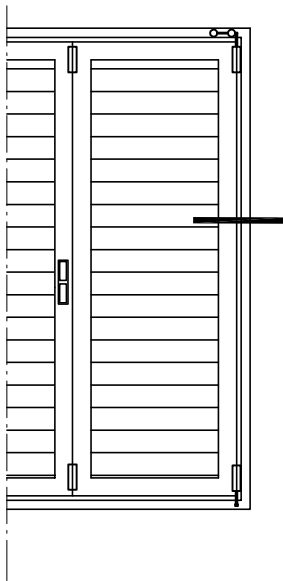


TIP 2+2

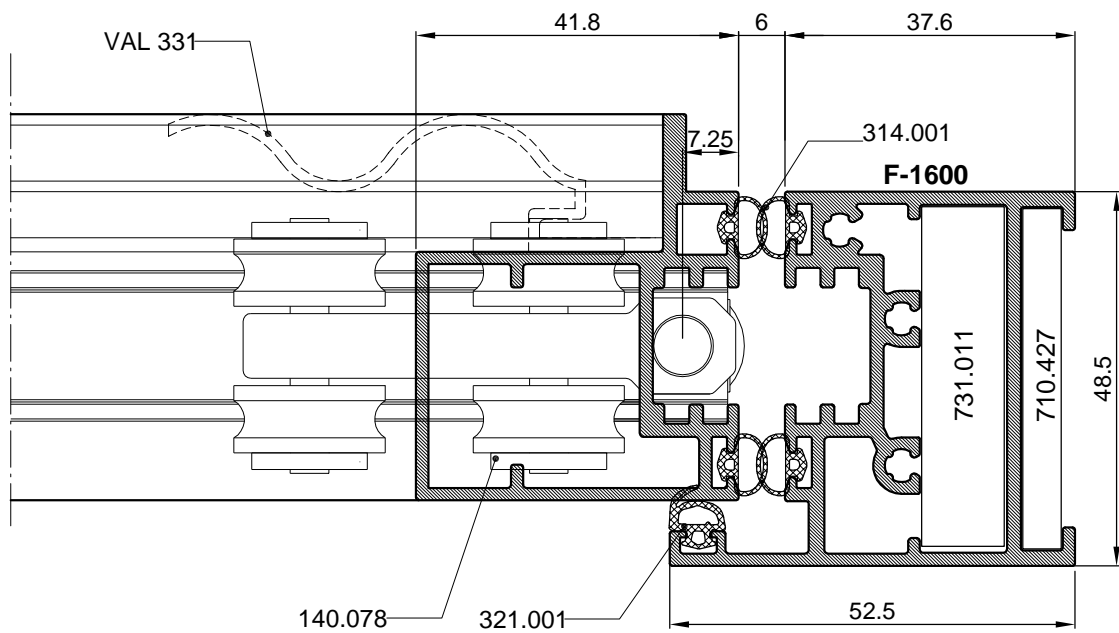
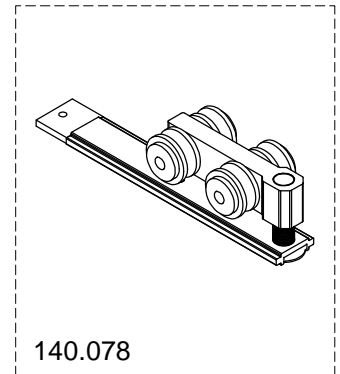


TIP 4+0

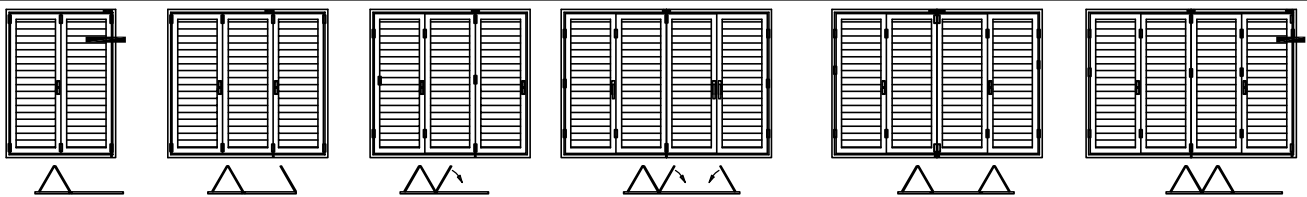




Harmonika grilja s pokretnim lamelama  
Folding shutter with movable lamellae



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

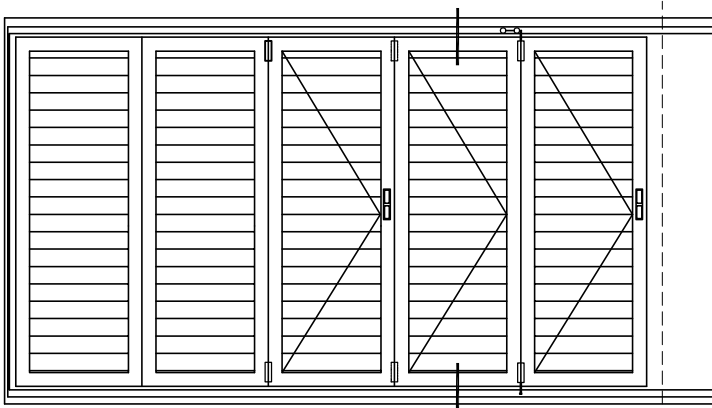
TIP 2+1

TIP 3+0

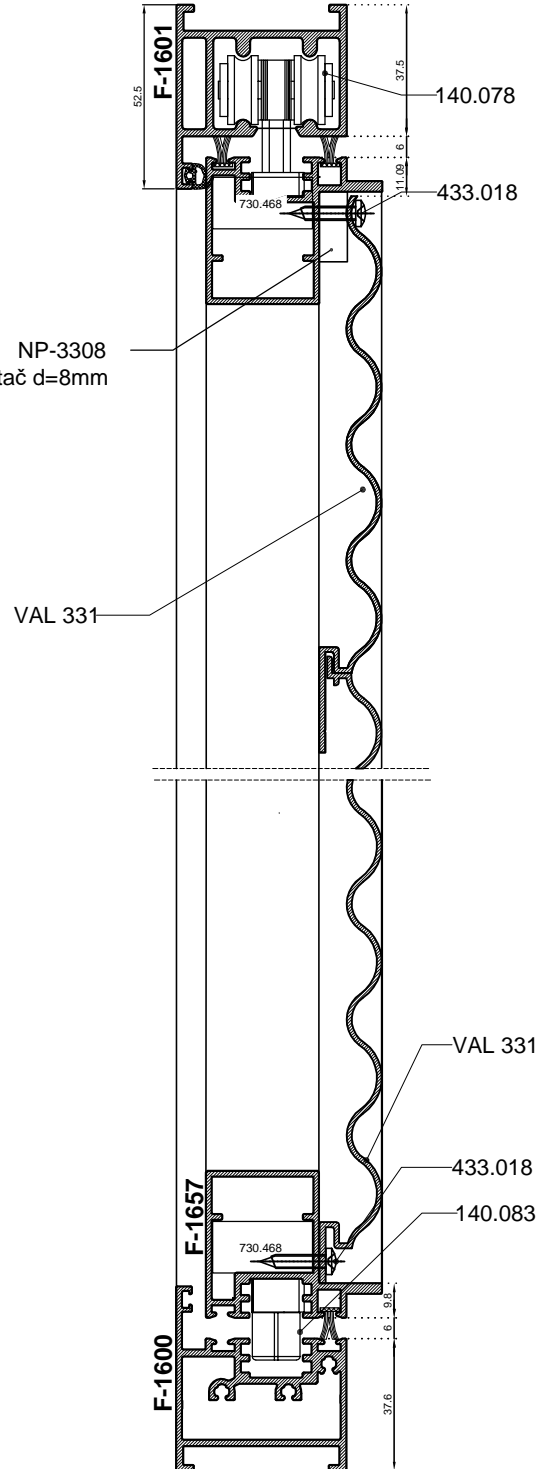
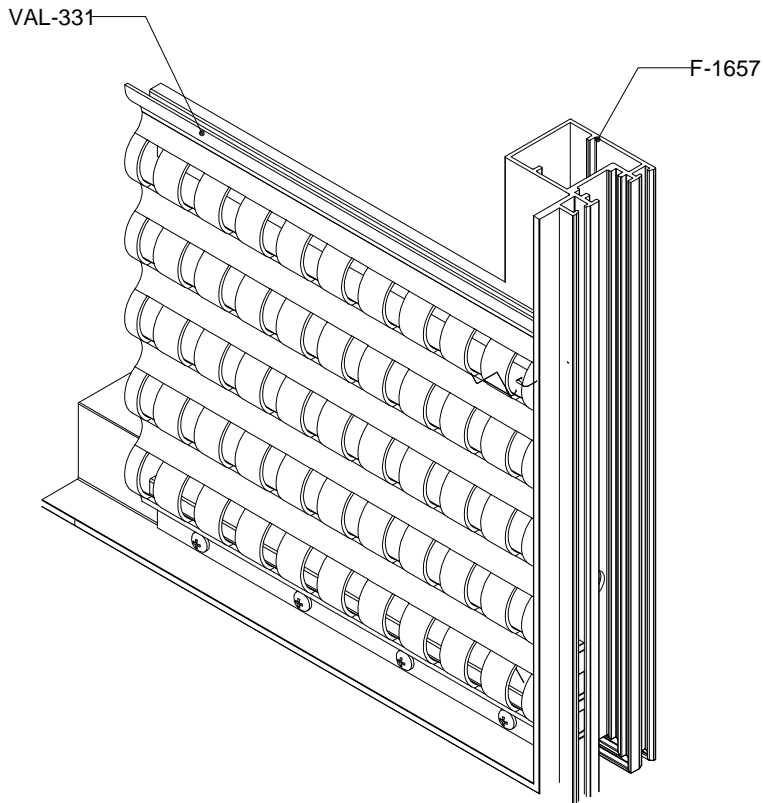
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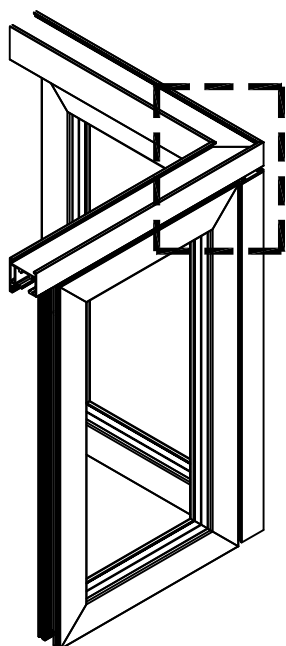
TIP 2+2

TIP 4+0

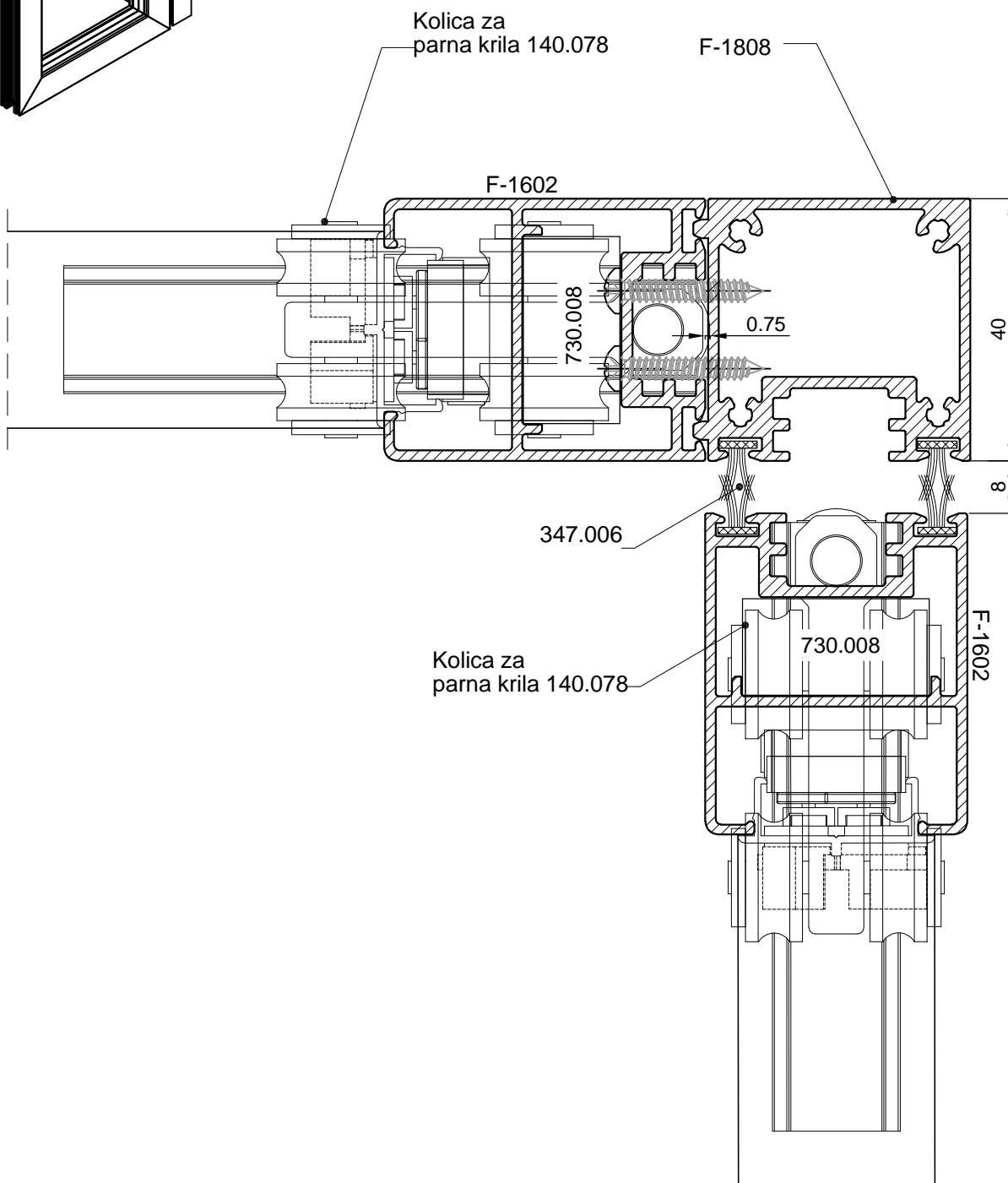
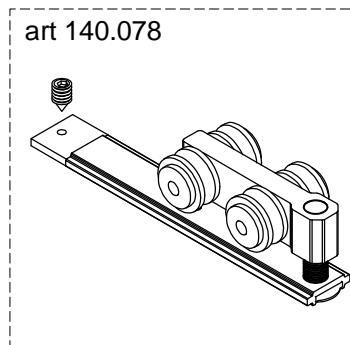


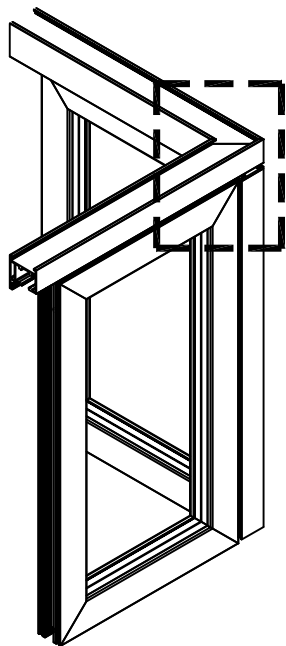
NP-3308  
ili PVC podmetač d=8mm



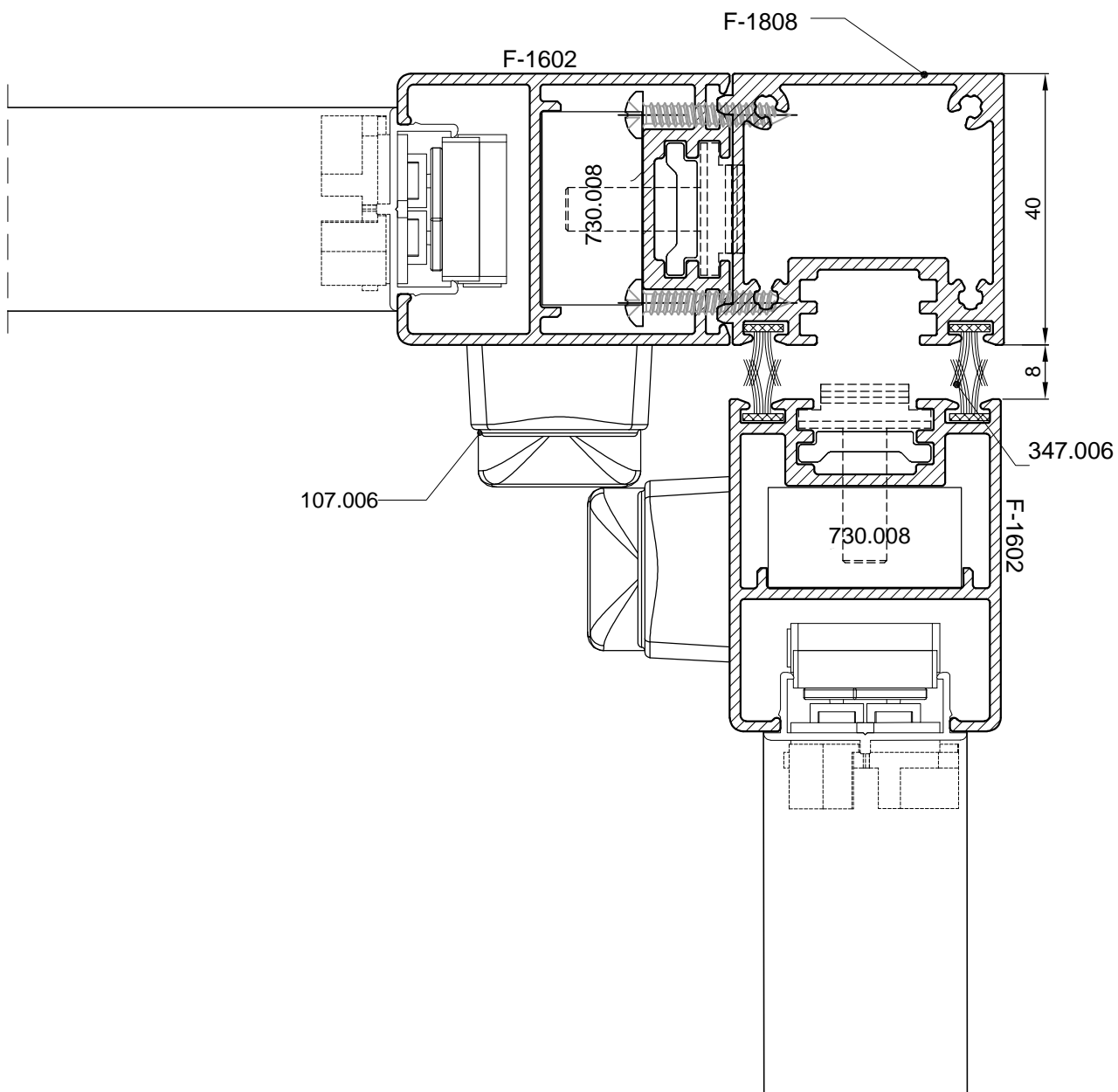


Spoj s parnim krilima  
Joint with even sash





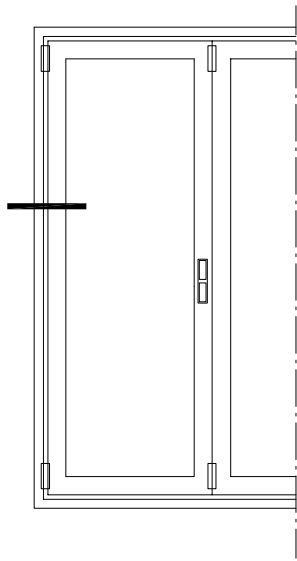
Spoj s nepravim  
krilima  
Joint with odd sash



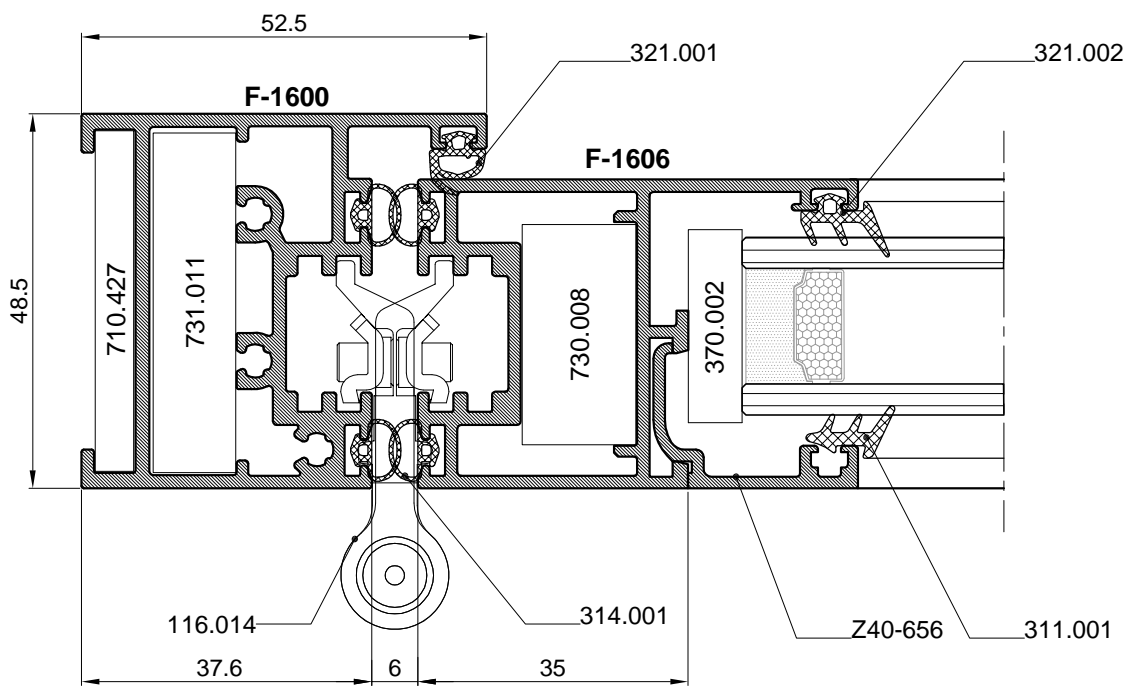
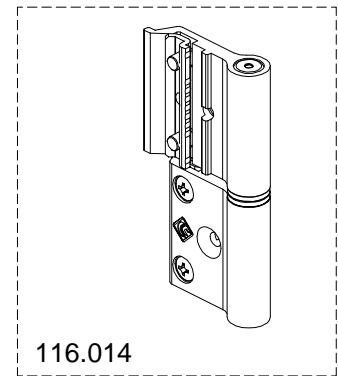


# Ispuna staklo-Otvaranje unutra

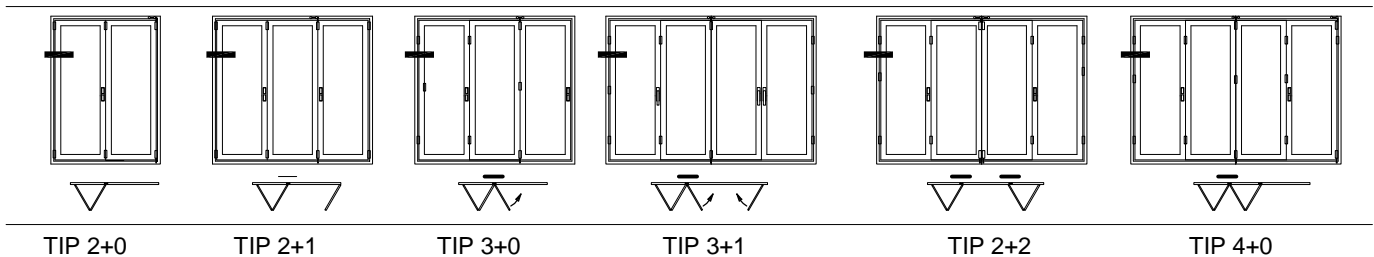
## Glass infill-Interior opening

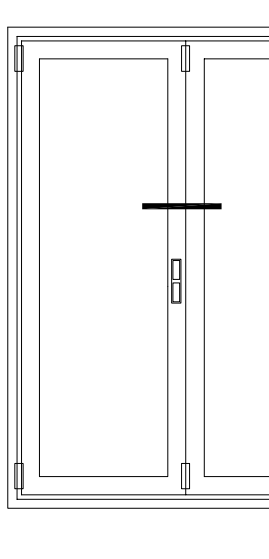


Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening

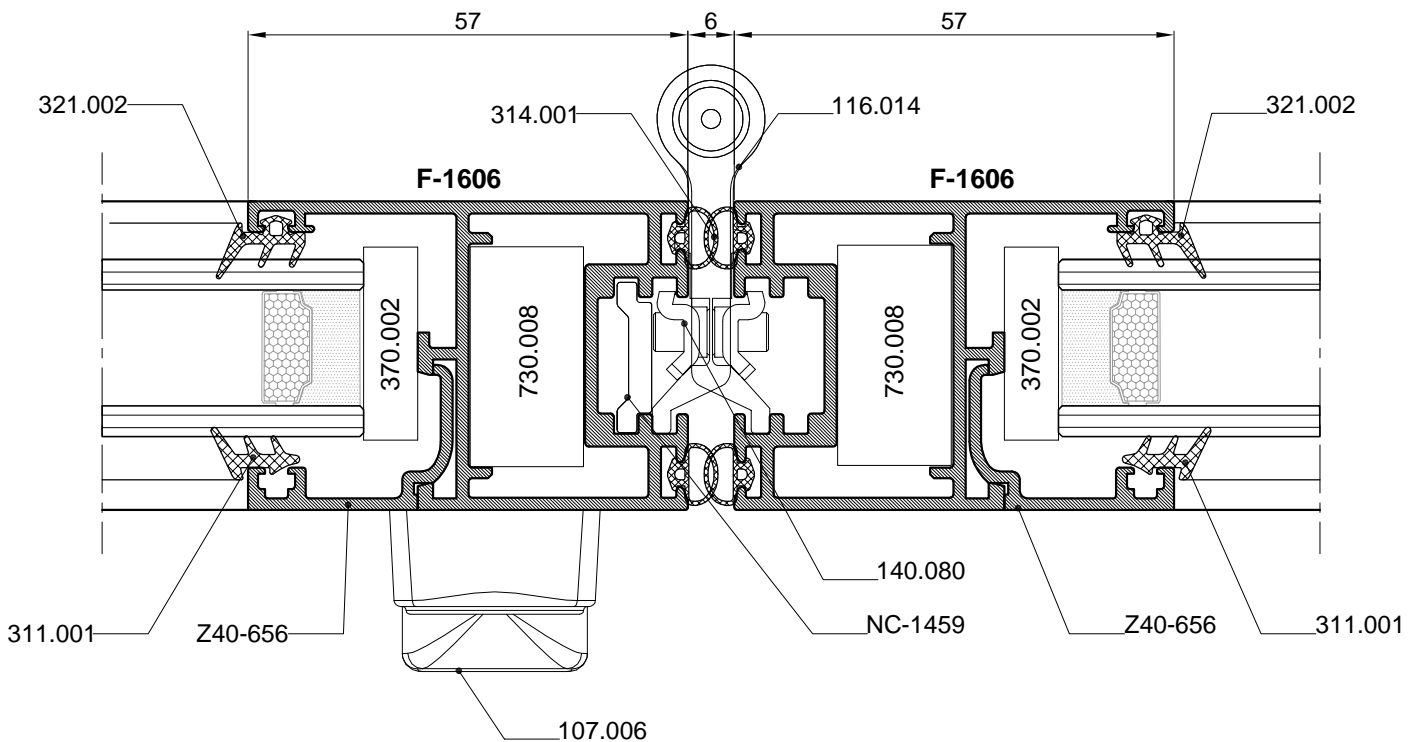
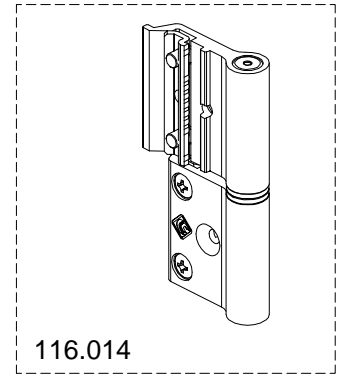


### TIPOVI OTVARANJA-OPENING TYPES

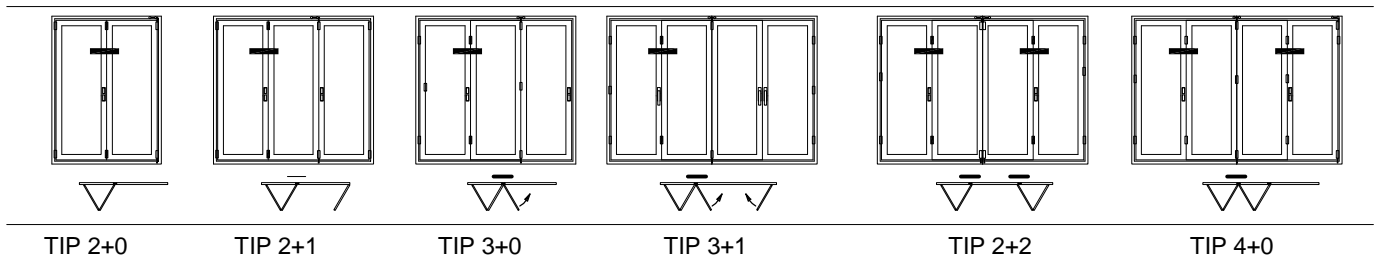


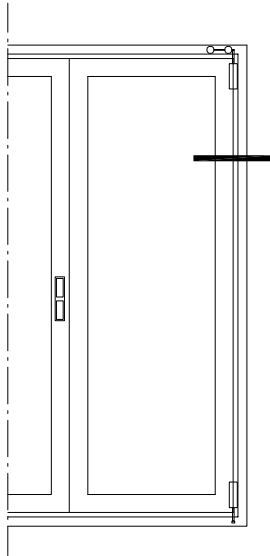


Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening

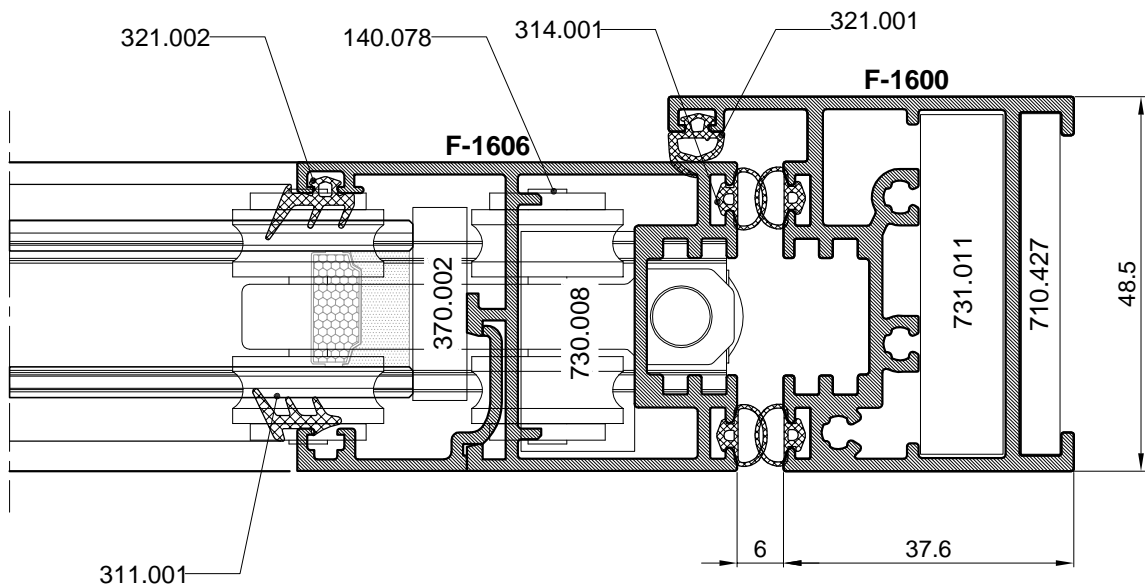
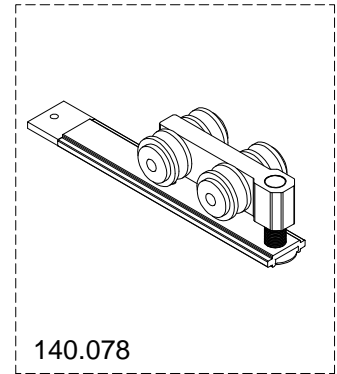


### TIPOVI OTVARANJA-OPENING TYPES

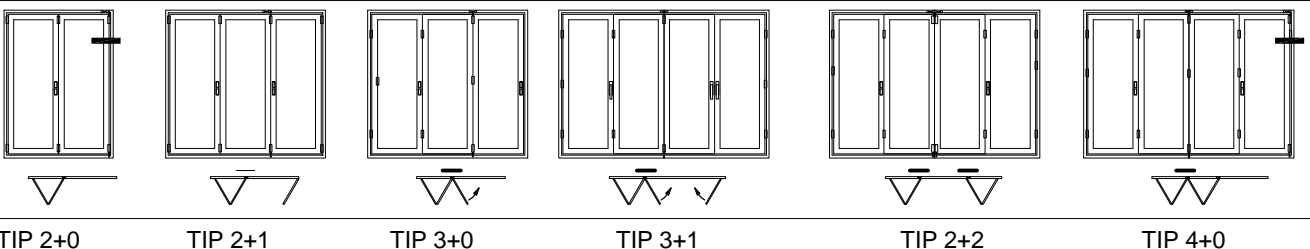




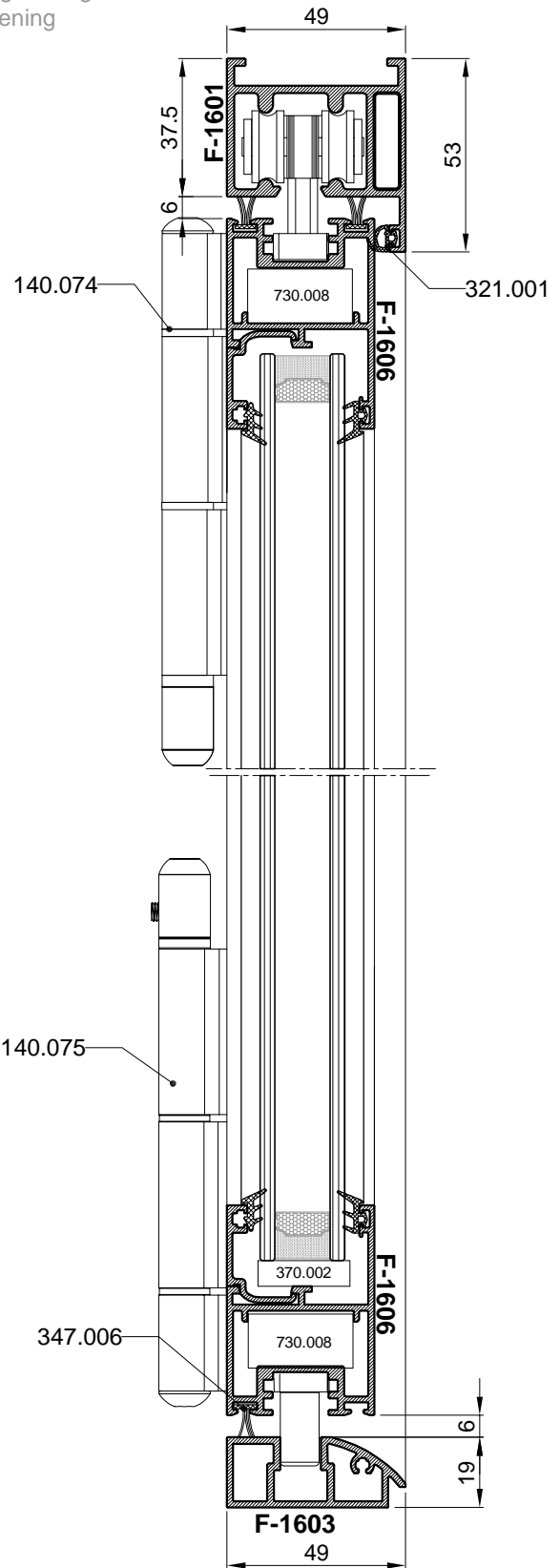
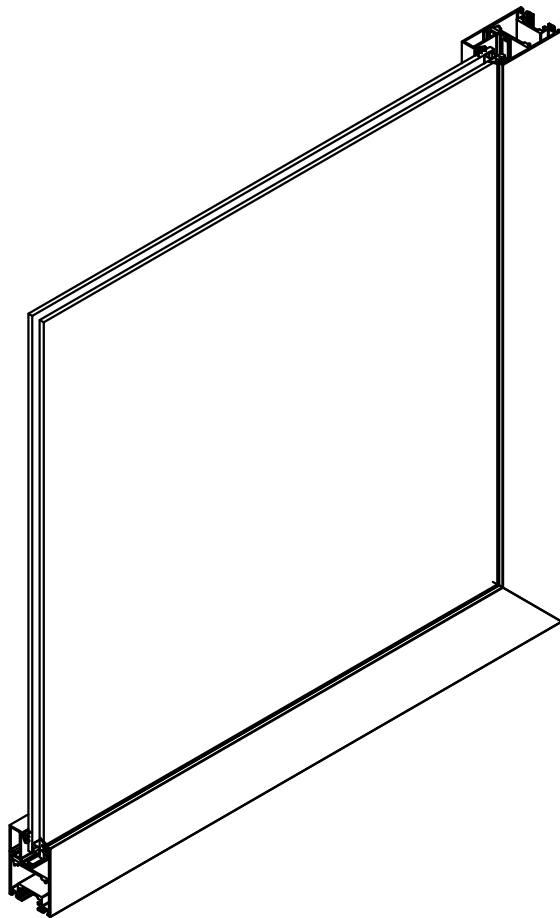
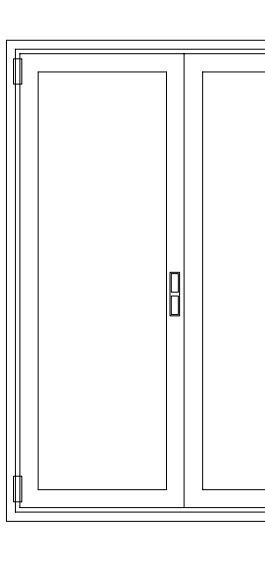
Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening

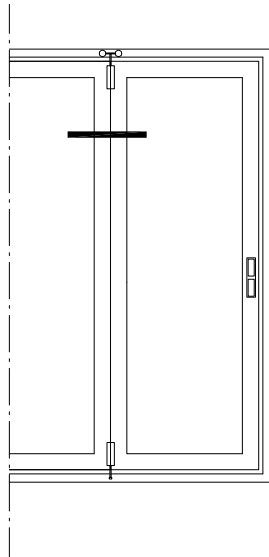


### TIPOVI OTVARANJA-OPENING TYPES

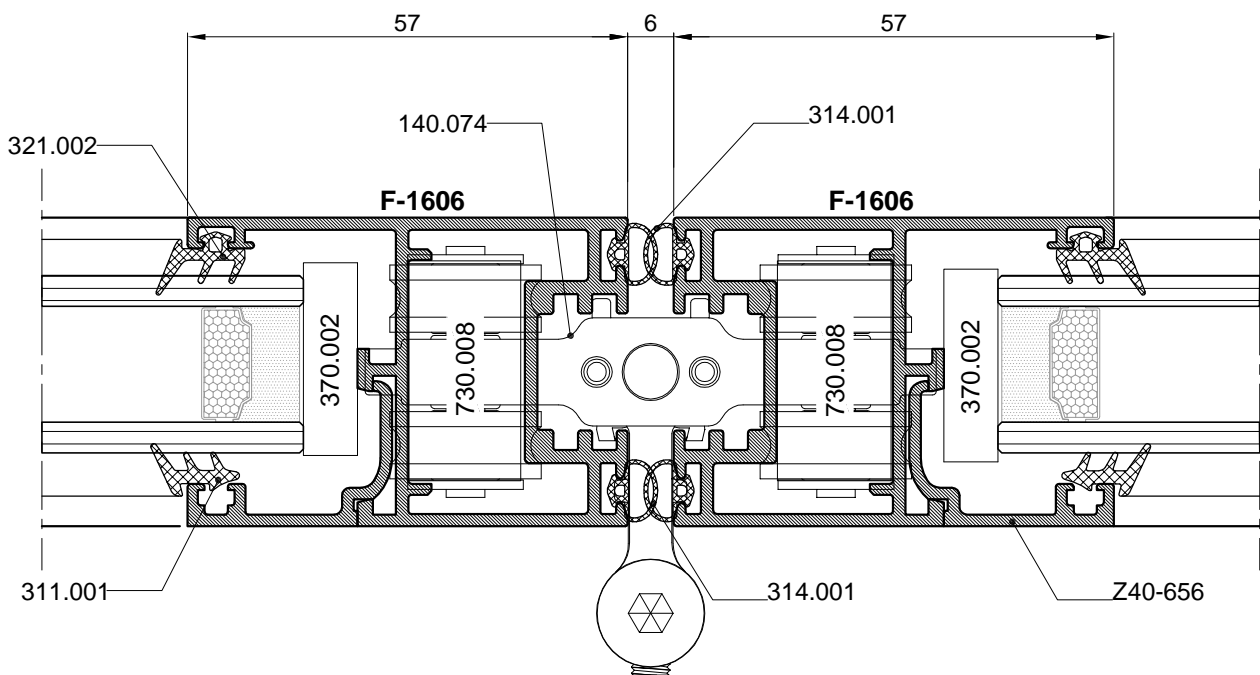
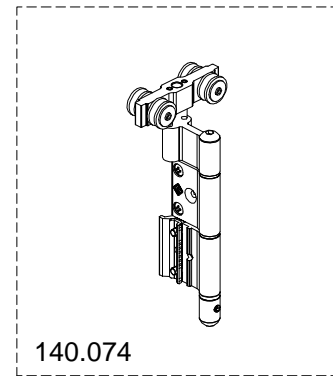


Harmonika otvori sa staklenom  
ispunom-otvaranje unutra  
Folding openings with glass  
infill-interior opening

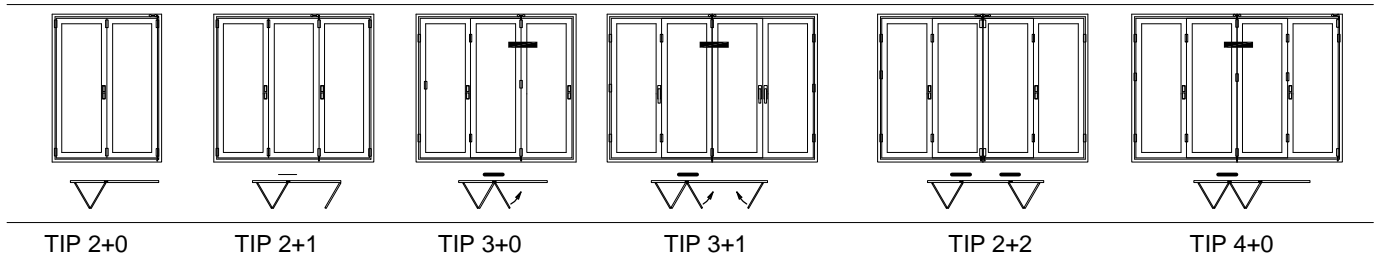


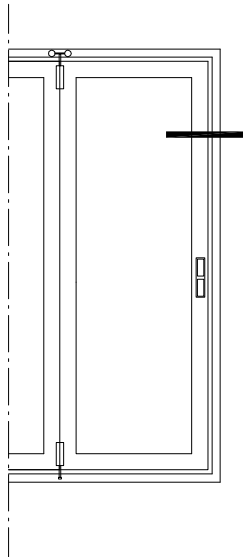


Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening

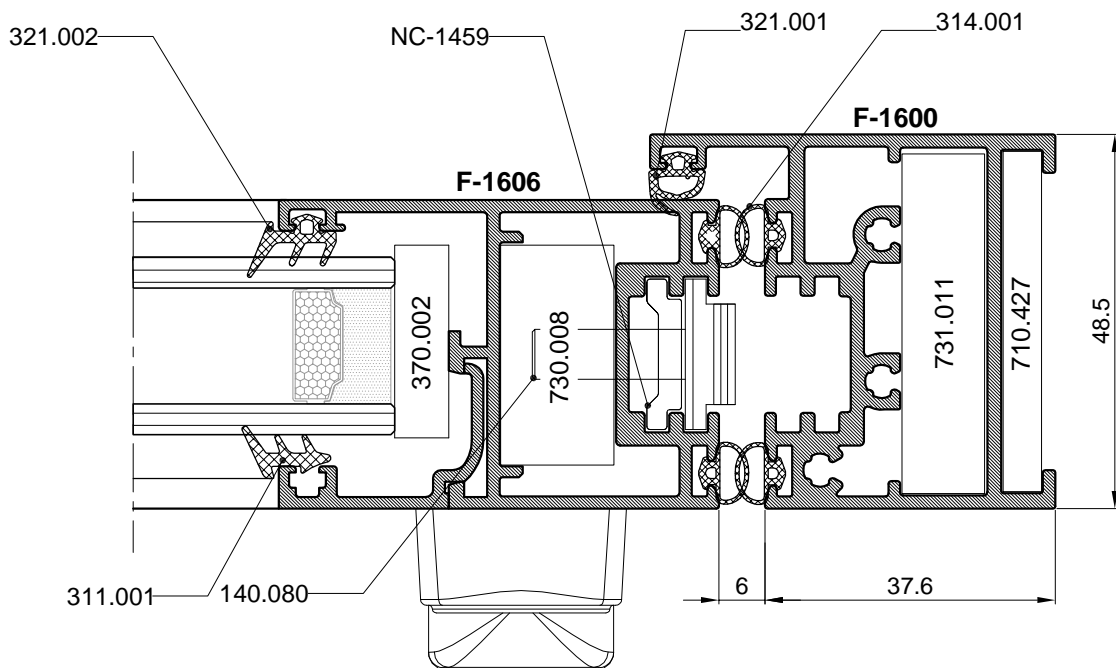


### TIPOVI OTVARANJA-OPENING TYPES





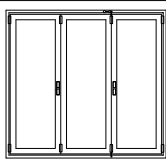
Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening



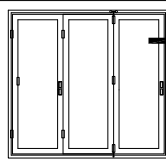
## TIPOVI OTVARANJA-OPENING TYPES



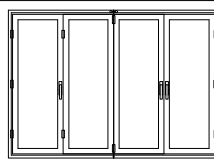
TIP 2+0



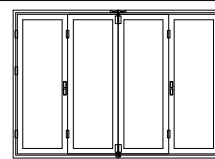
TIP 2+1



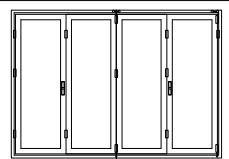
TIP 3+0



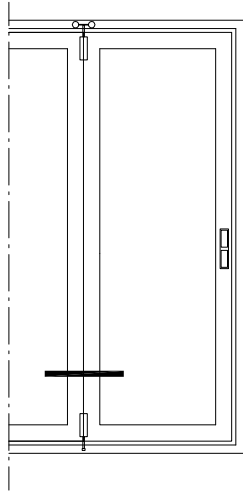
TIP 3+1



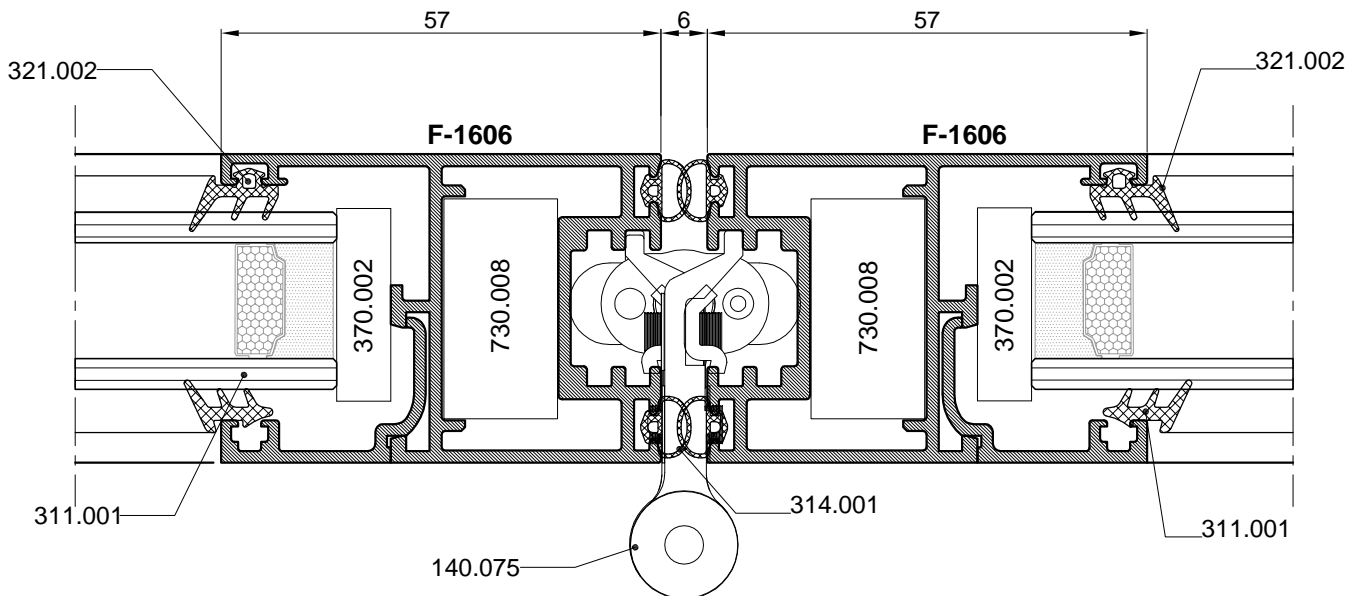
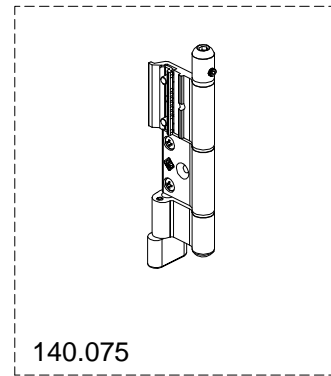
TIP 2+2



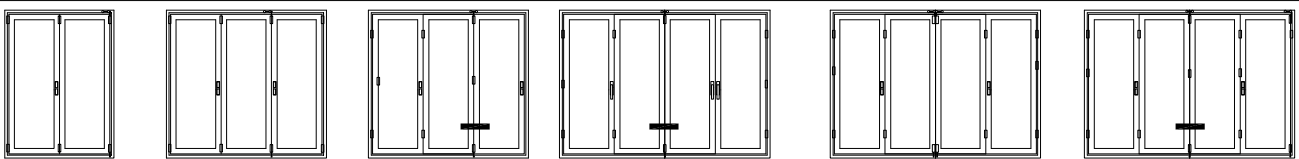
TIP 4+0



Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

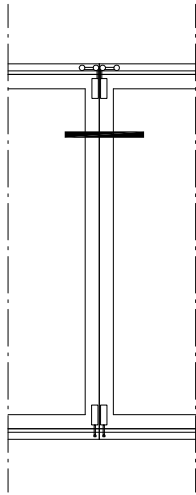
TIP 2+1

TIP 3+0

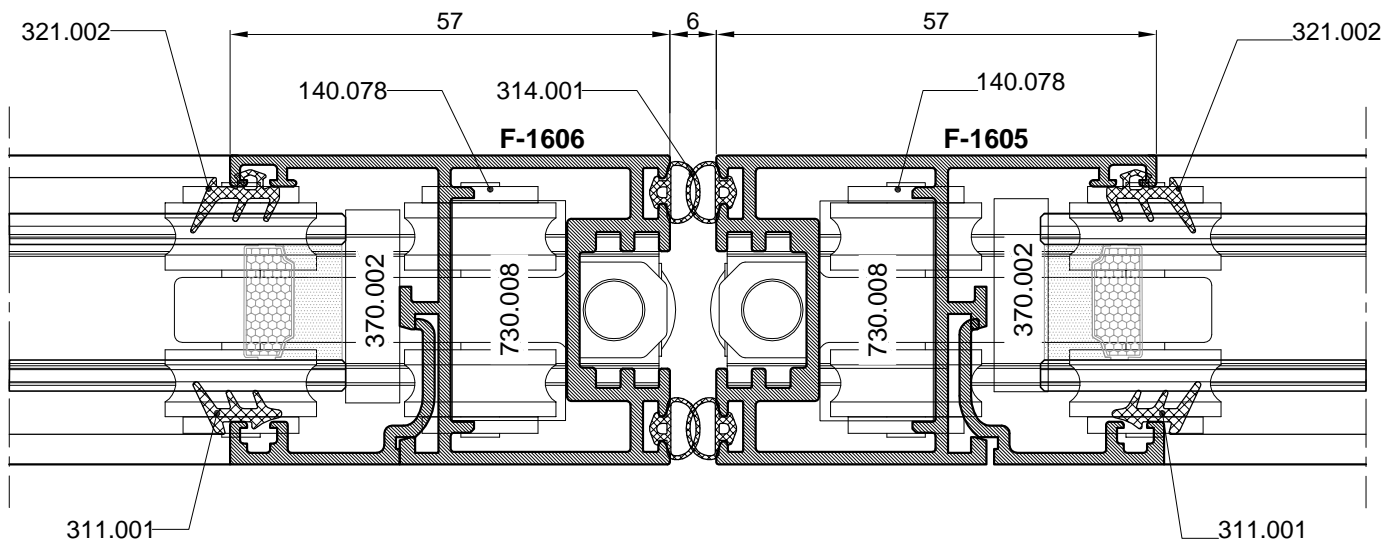
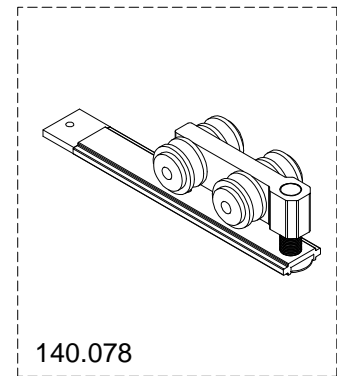
TIP 3+1

TIP 2+2

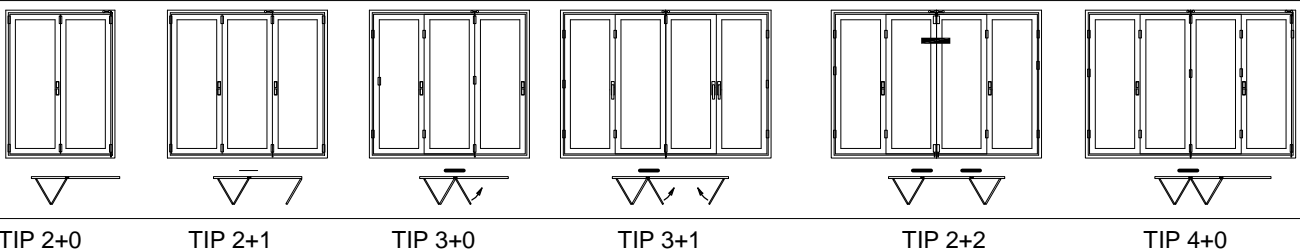
TIP 4+0



Harmonika otvori sa staklenom ispunom-otvaranje unutra  
Folding openings with glass infill-interior opening



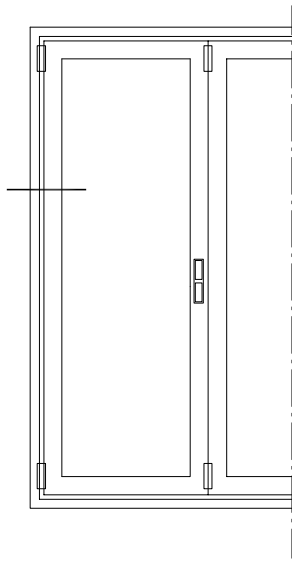
### TIPOVI OTVARANJA-OPENING TYPES



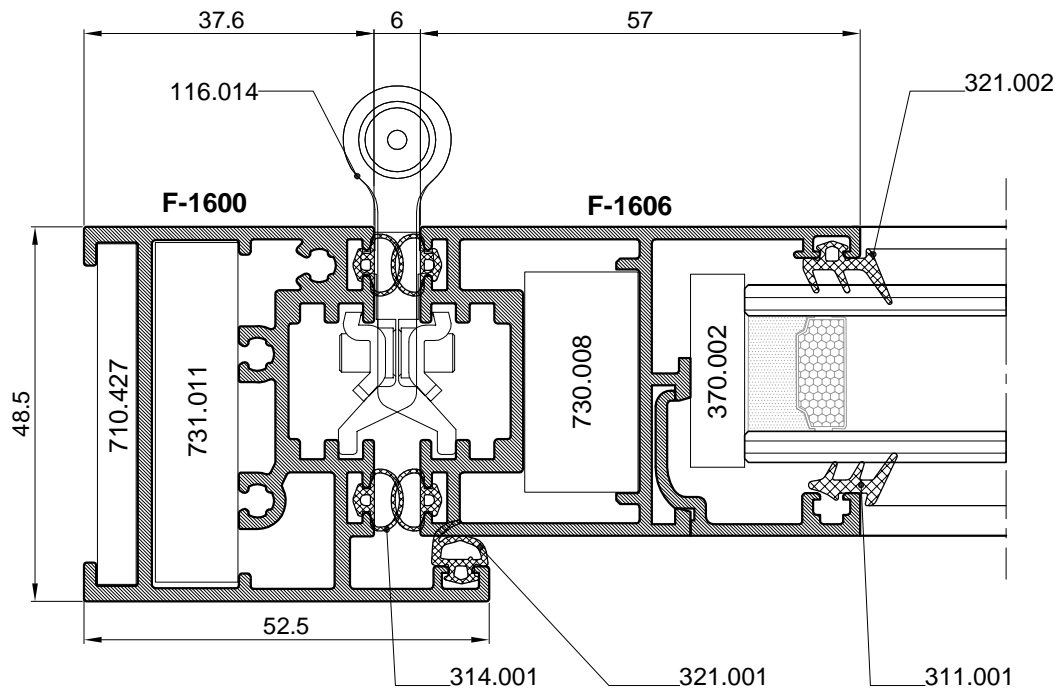
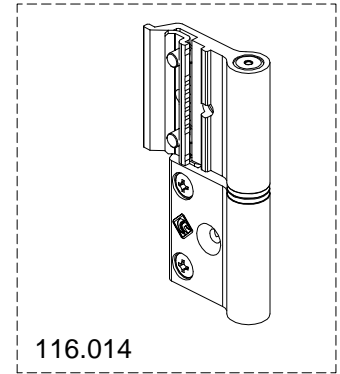


# Ispuna staklo-Otvaranje vani

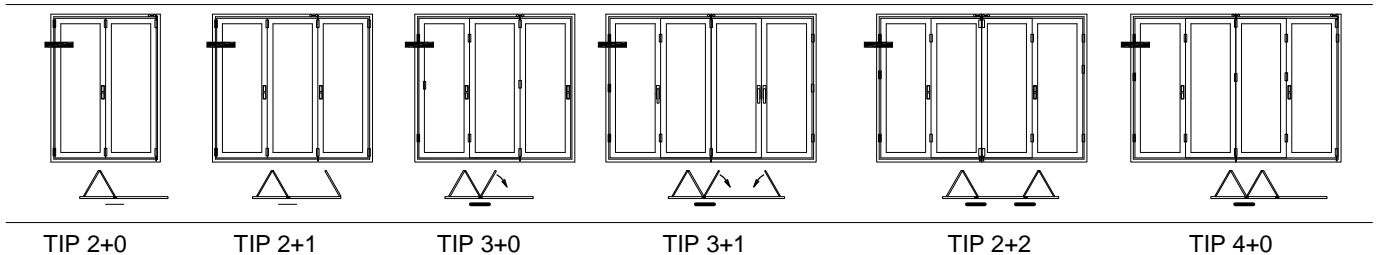
## Glass infill-Exterior opening

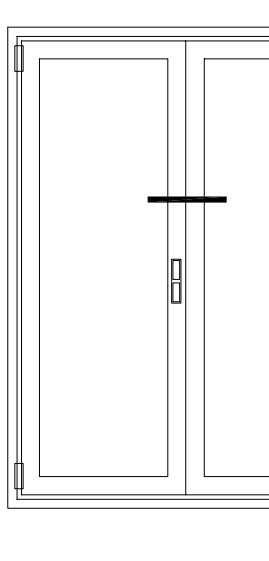


Harmonika otvori sa staklenom ispunom-otvaranje vani  
Folding openings with glass infill-exterior opening

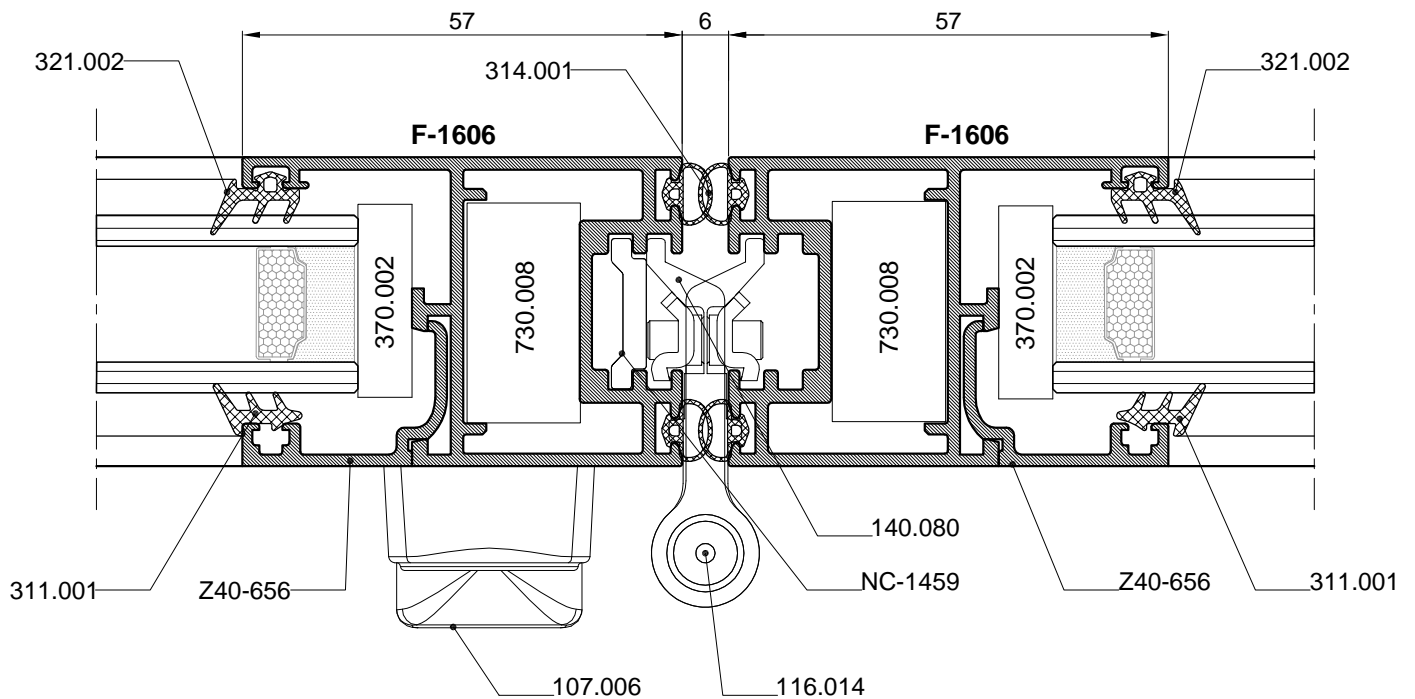
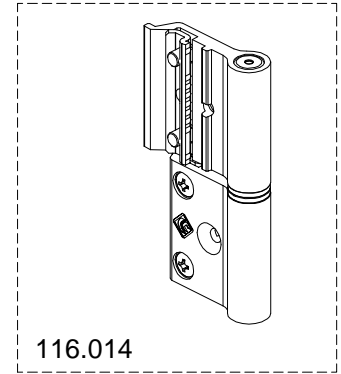


### TIPOVI OTVARANJA-OPENING TYPES

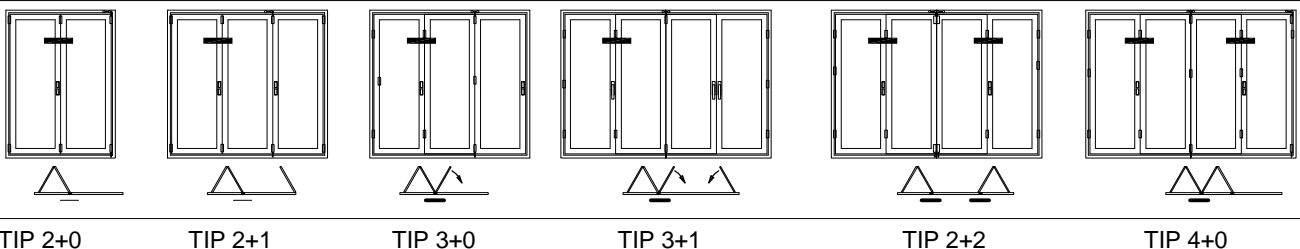


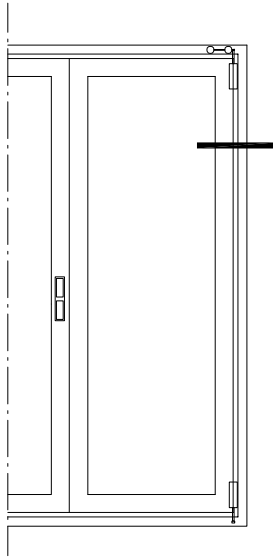


Harmonika otvori sa staklenom ispunom-otvaranje vani  
Folding openings with glass infill-exterior opening

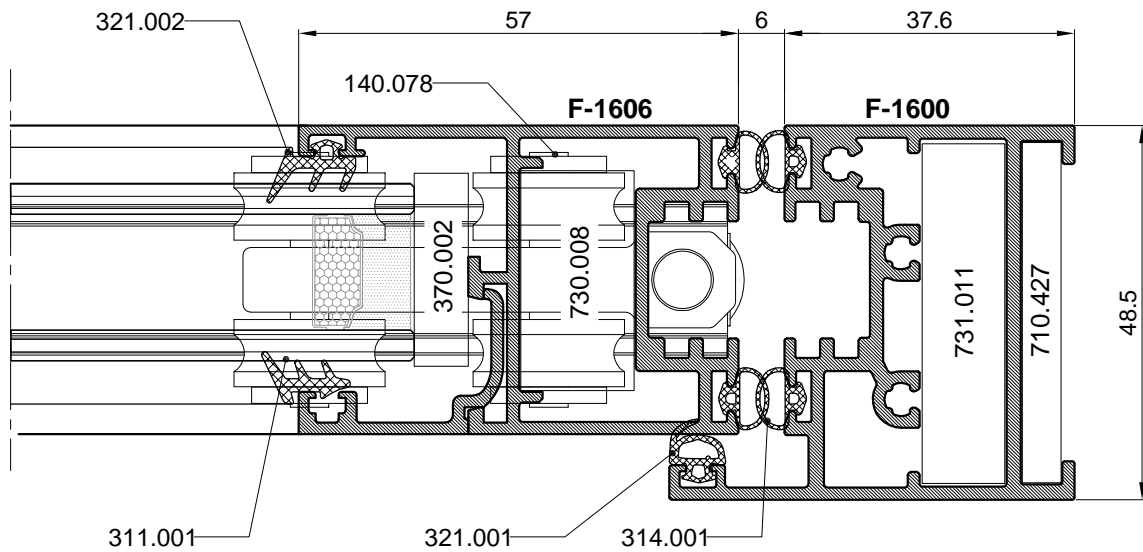
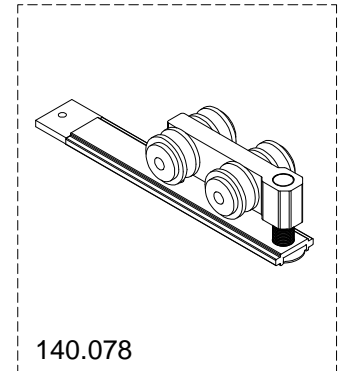


## TIPOVI OTVARANJA-OPENING TYPES

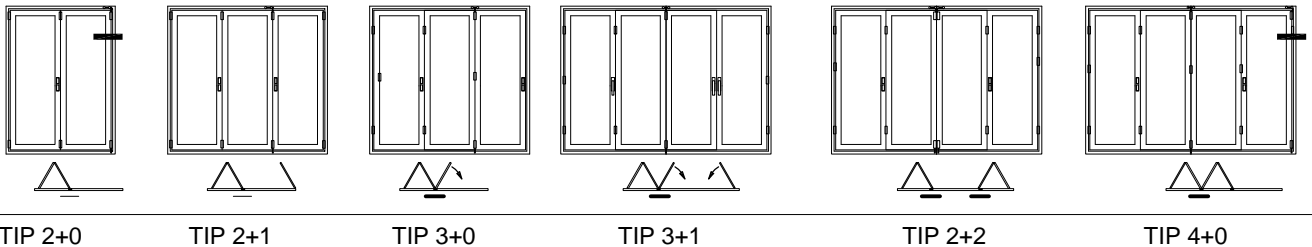


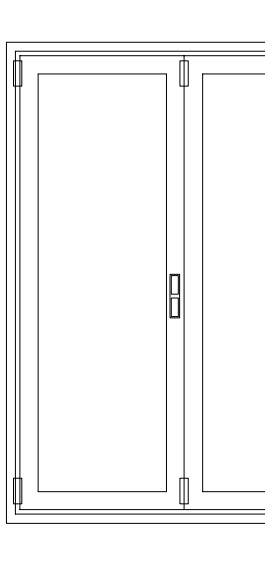


Harmonika otvori sa staklenom ispunom-otvaranje vani  
Folding openings with glass infill-exterior opening

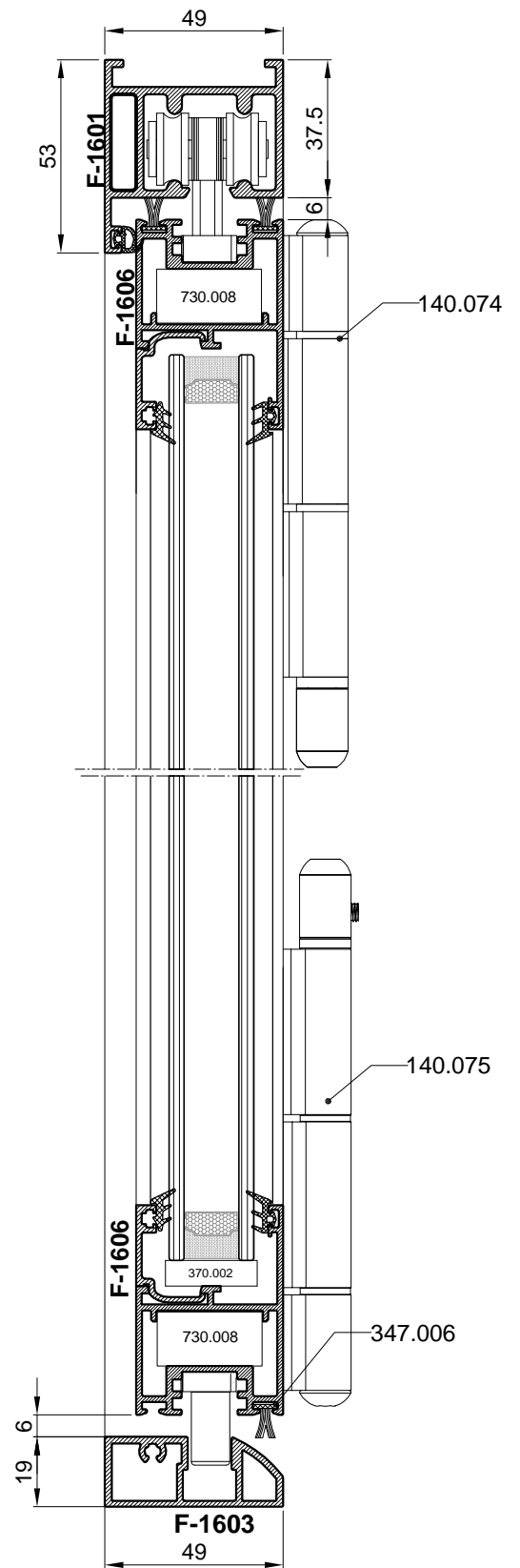
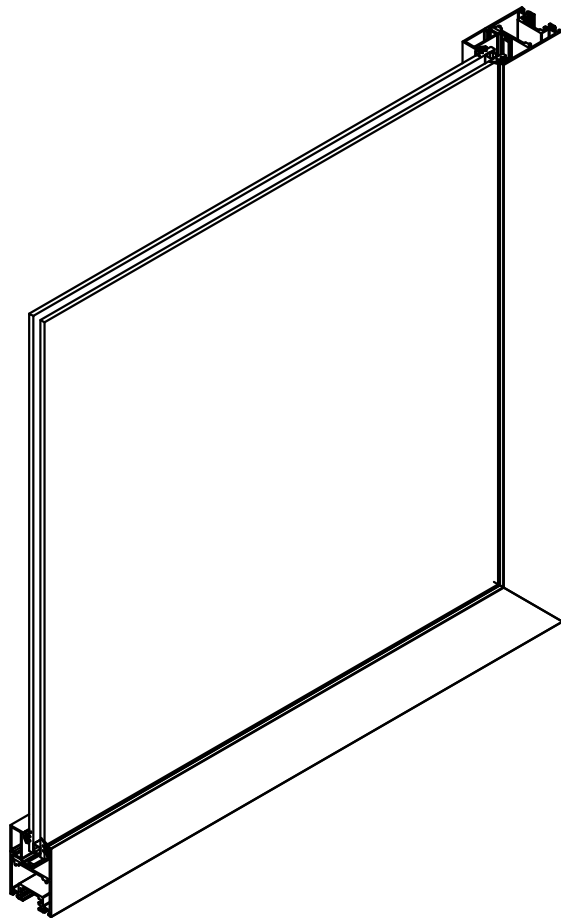


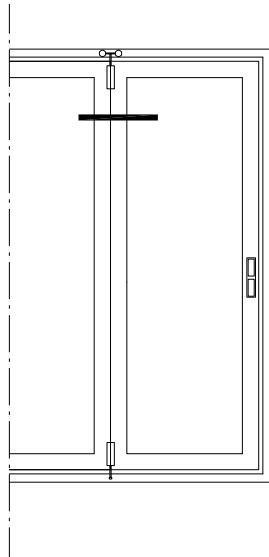
### TIPOVI OTVARANJA-OPENING TYPES



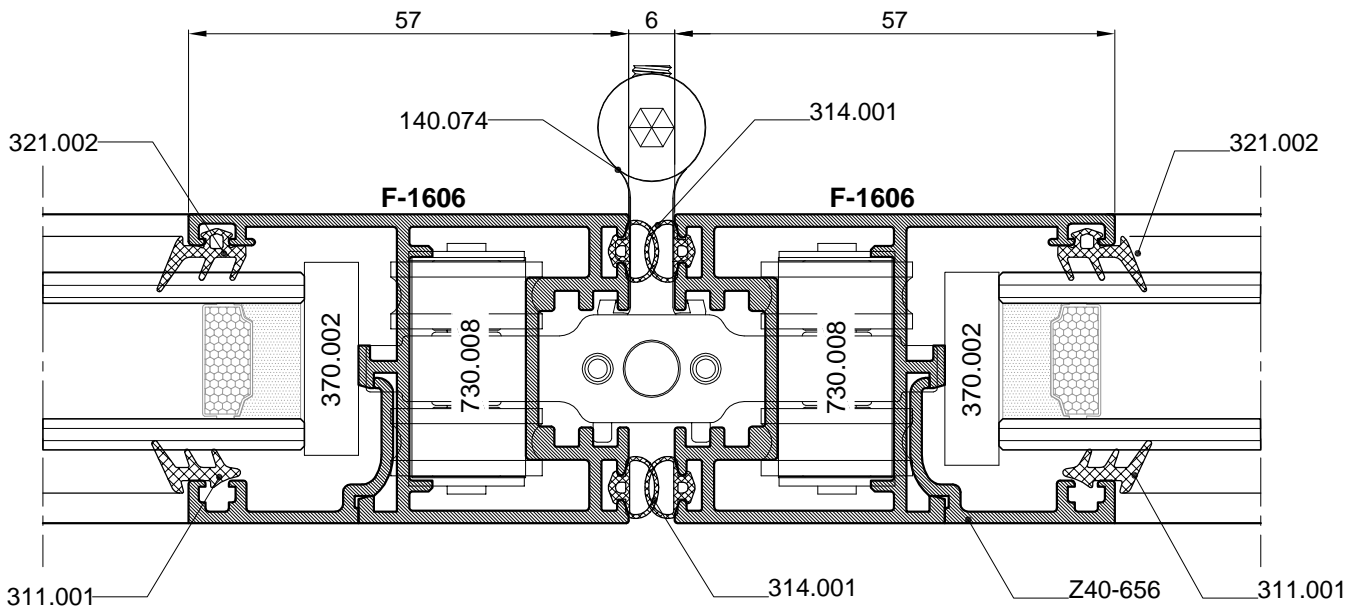
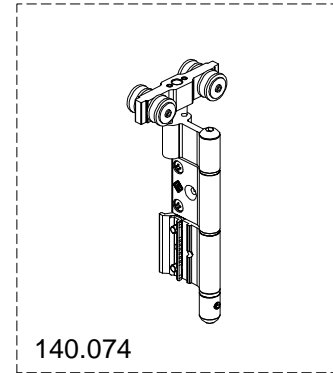


Harmonika otvori sa staklenom  
ispunom-otvaranje vani  
Folding openings system with  
glass infill-exterior opening





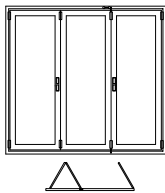
Harmonika otvori sa staklenom  
ispunom-otvaranje vani  
Folding openings with glass infill-exterior  
opening



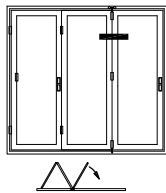
### TIPOVI OTVARANJA-OPENING TYPES



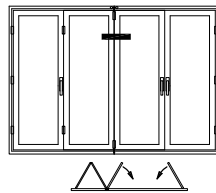
TIP 2+0



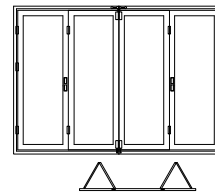
TIP 2+1



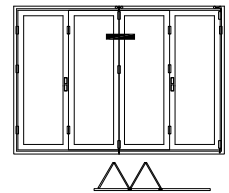
TIP 3+0



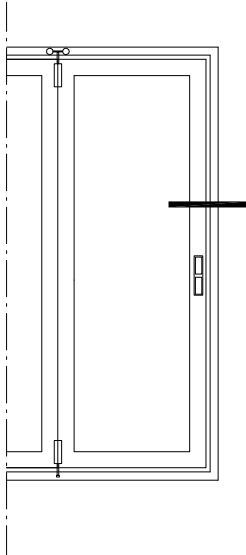
TIP 3+1



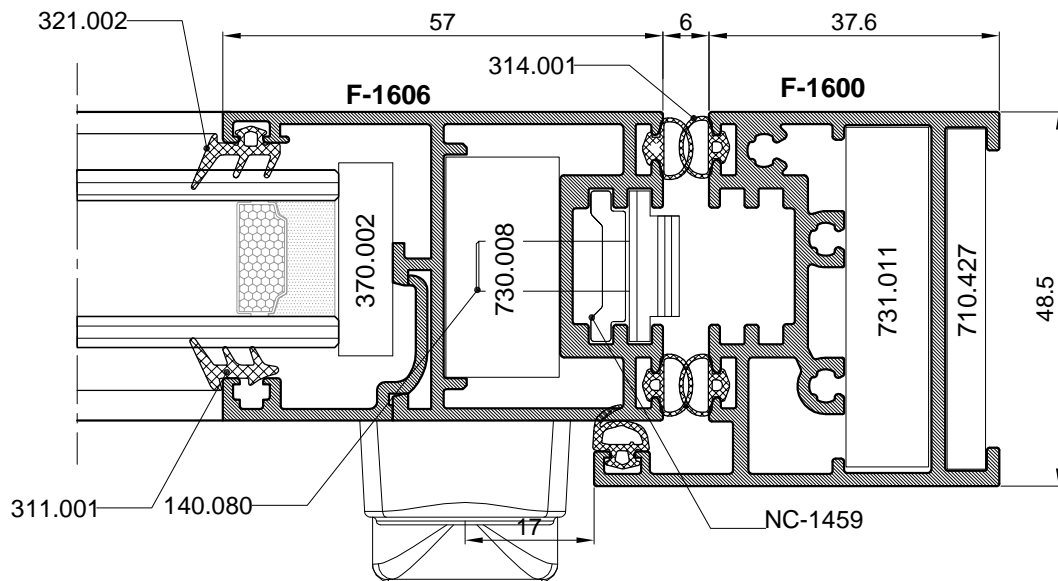
TIP 2+2



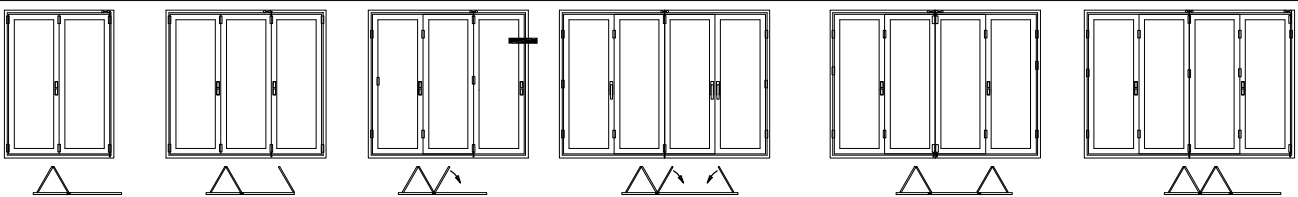
TIP 4+0



Harmonika otvori sa staklenom ispunom-otvaranje vani  
Folding openings with glass infill-exterior opening



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

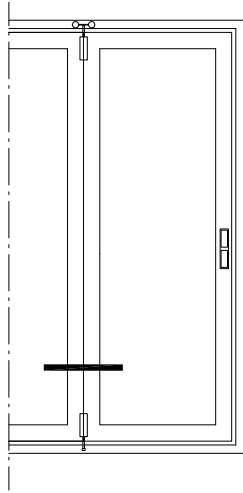
TIP 2+1

TIP 3+0

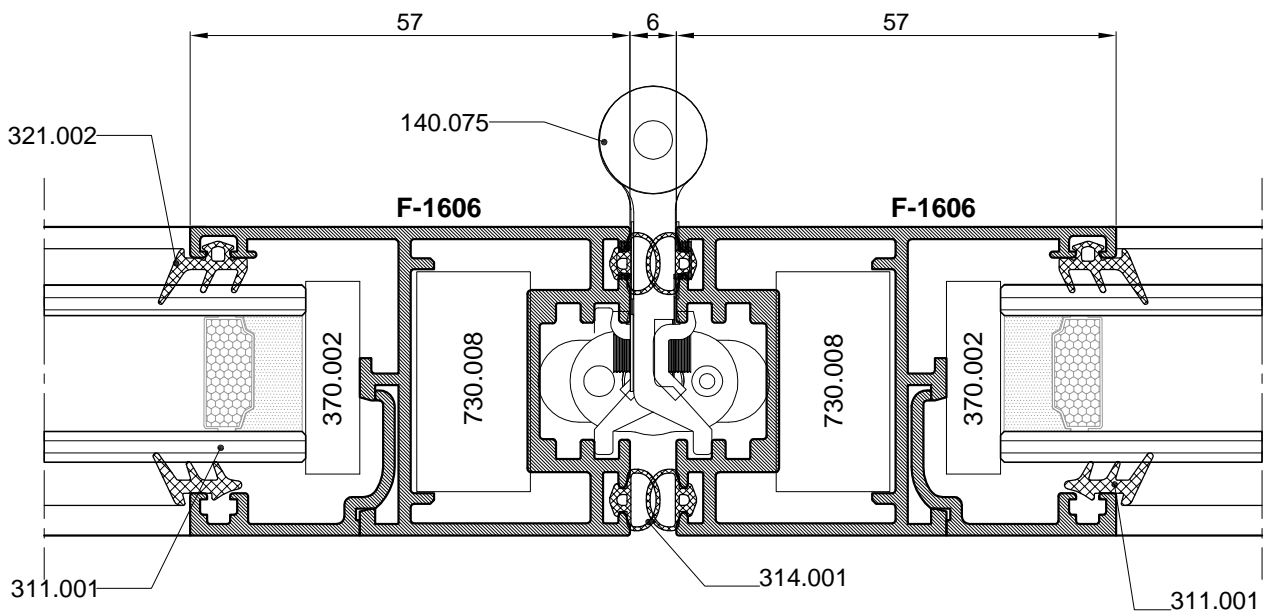
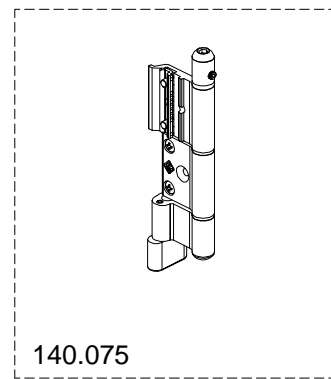
TIP 3+1

TIP 2+2

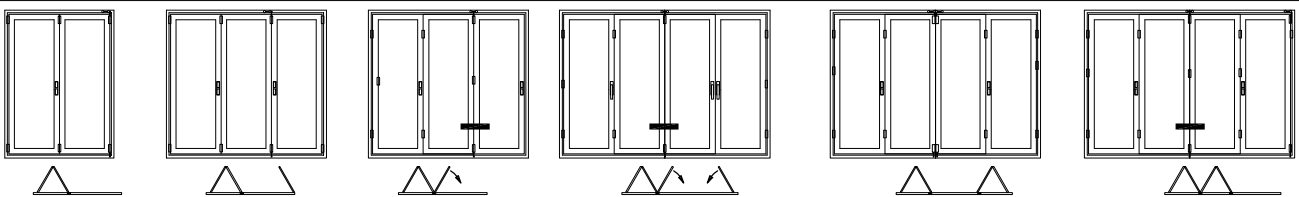
TIP 4+0



Harmonika otvori sa staklenom  
ispunom-otvaranje vani  
Folding openings with glass infill-exterior  
opening



### TIPOVI OTVARANJA-OPENING TYPES



TIP 2+0

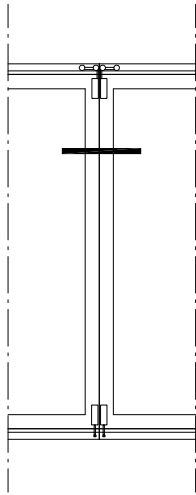
TIP 2+1

TIP 3+0

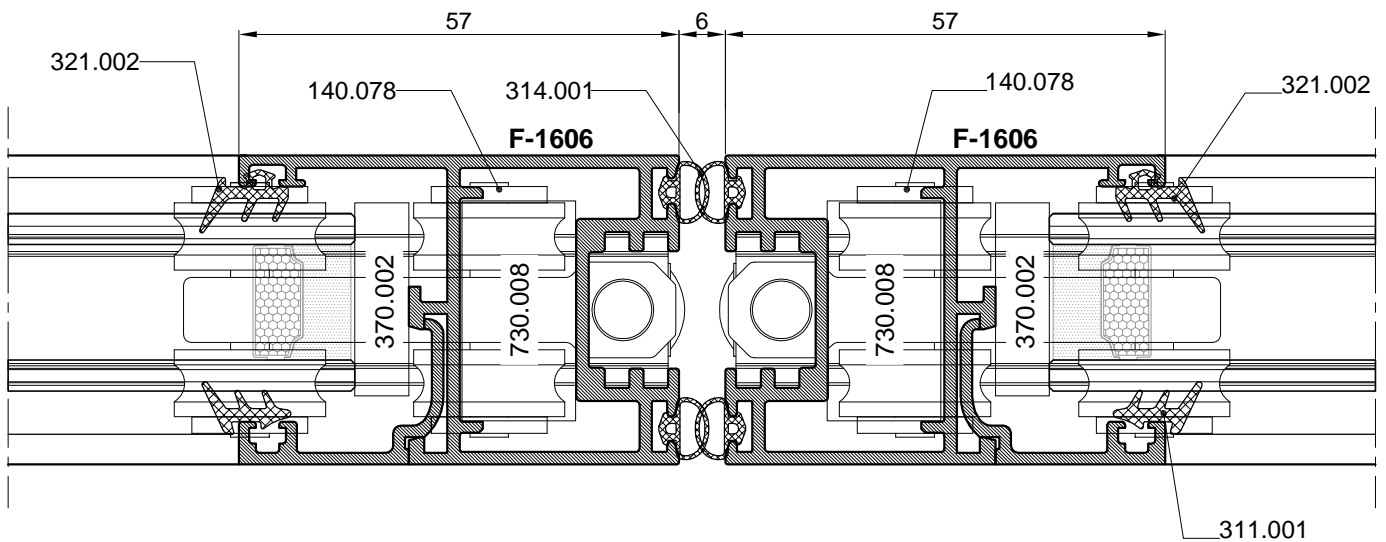
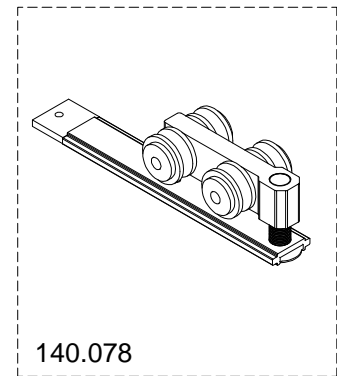
TIP 3+1

TIP 2+2

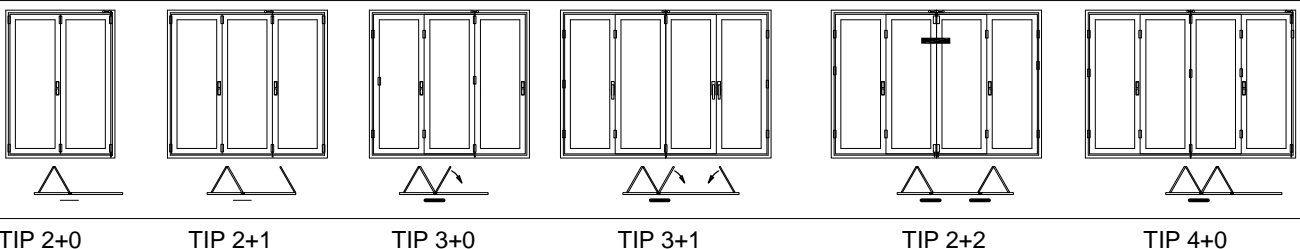
TIP 4+0



Harmonika otvori sa staklenom ispunom-otvaranje vani  
Folding openings with glass infill-exterior opening



### TIPOVI OTVARANJA-OPENING TYPES



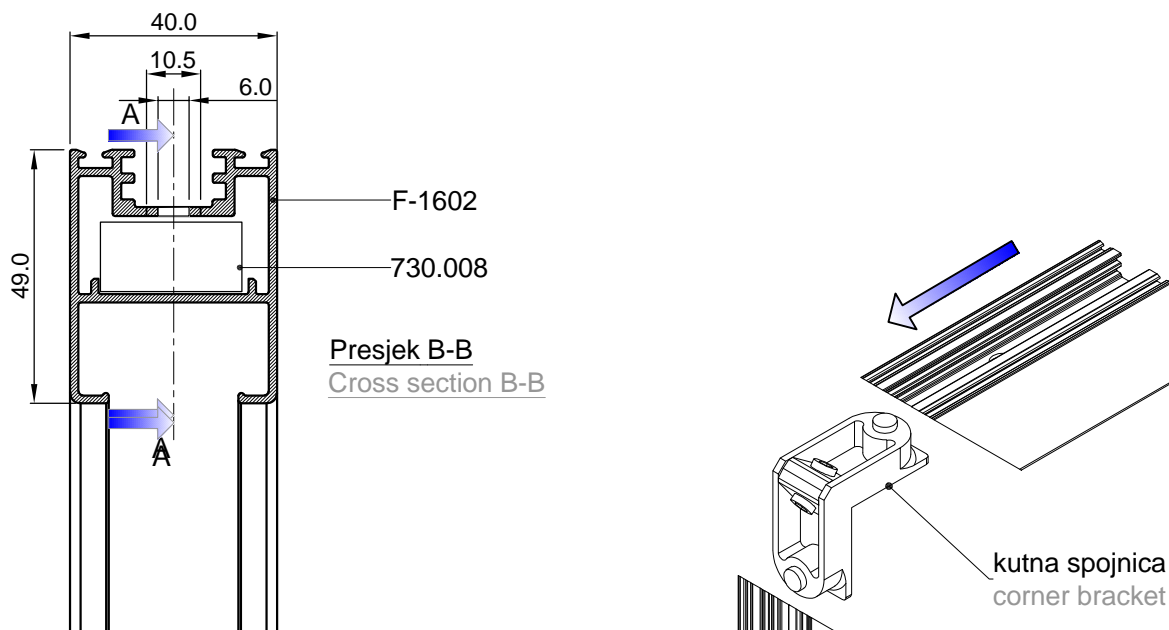
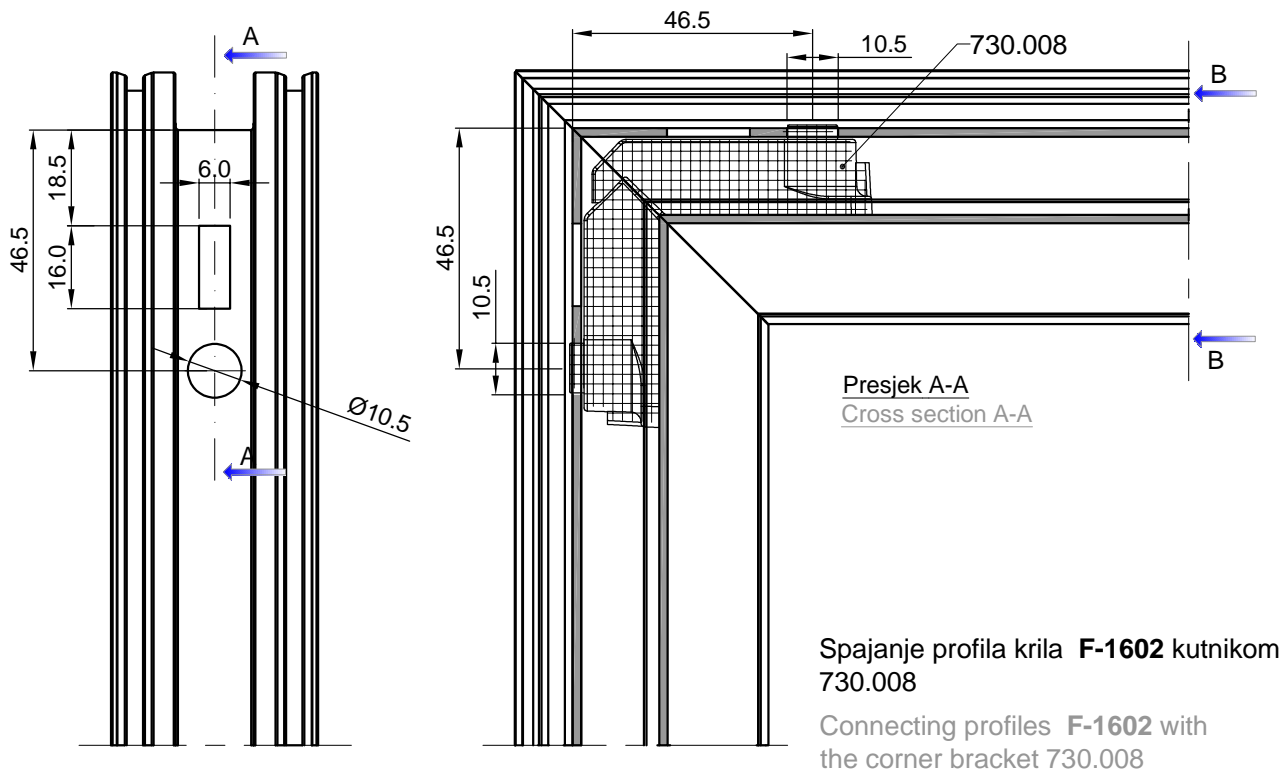
# Obrada i montaža

## Processing and montage



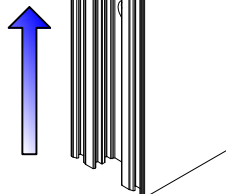
Obrada profila F-1602 za kutnu spojnicu 730.008

Processing of profile **F-1602** for the corner bracket 730.008



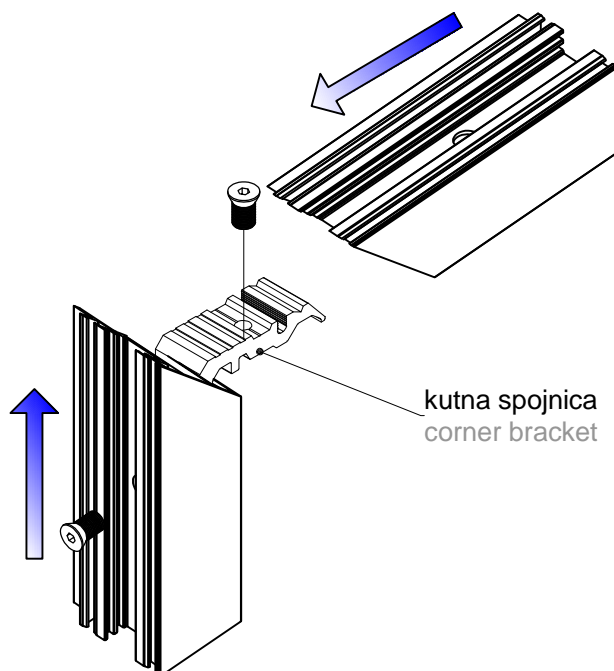
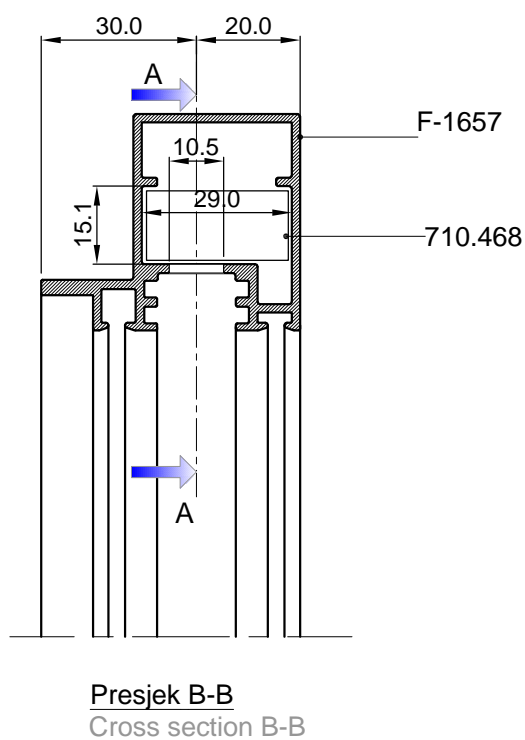
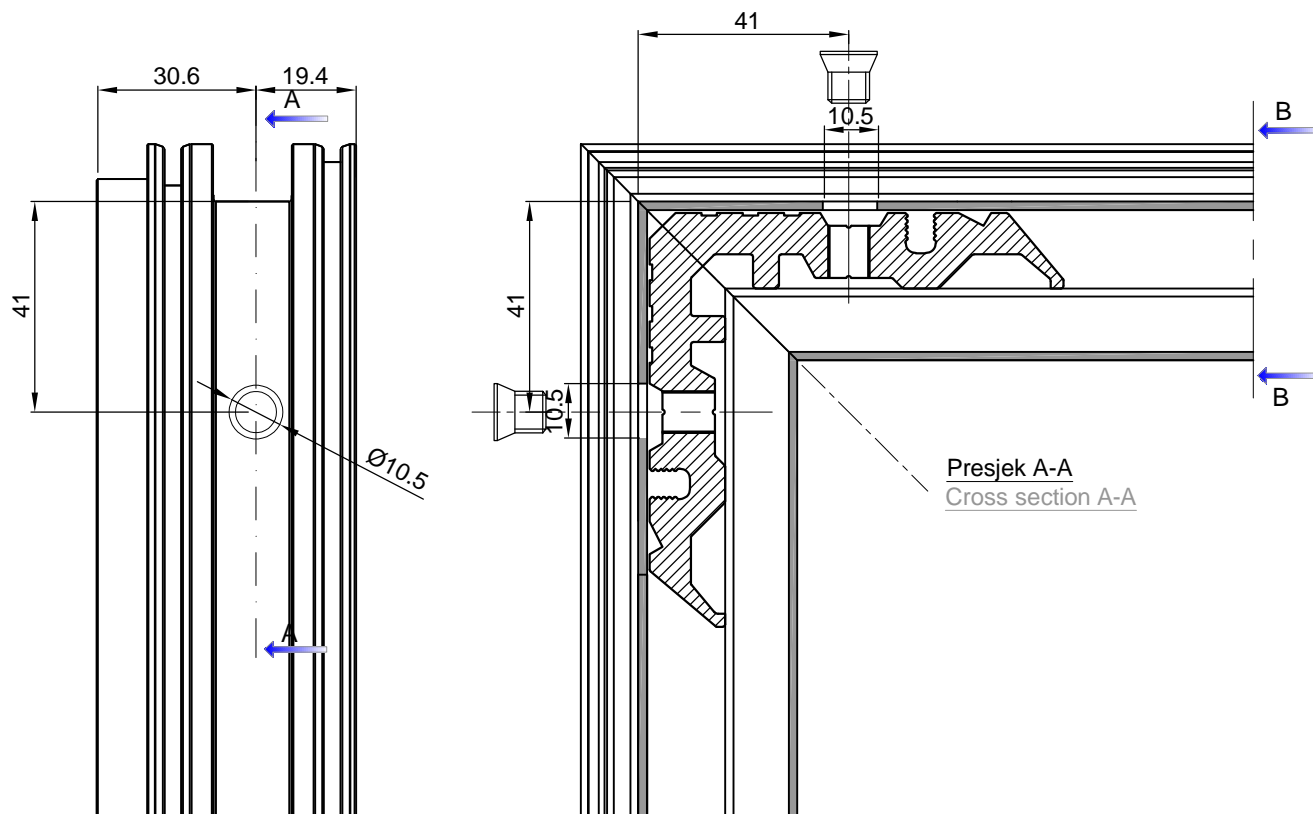
Ovaj raspored i način spajanja kutnicima primjenjiv je i na profil krila **F-1606**

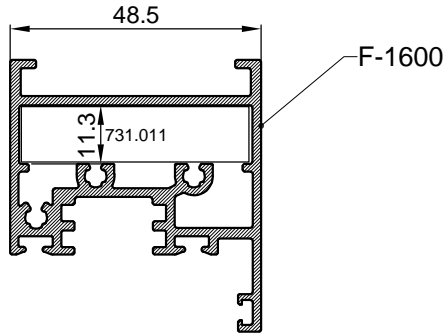
This arrangement and biding method with corner brackets is also applicable for frame profiles **F-1606**



Obrada profila F-1657 za kutnu spojnicu 710.468

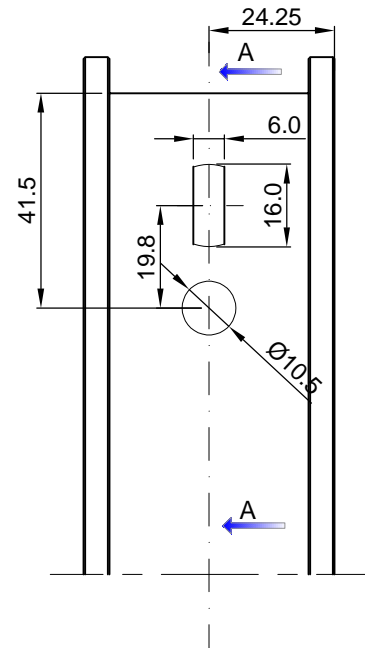
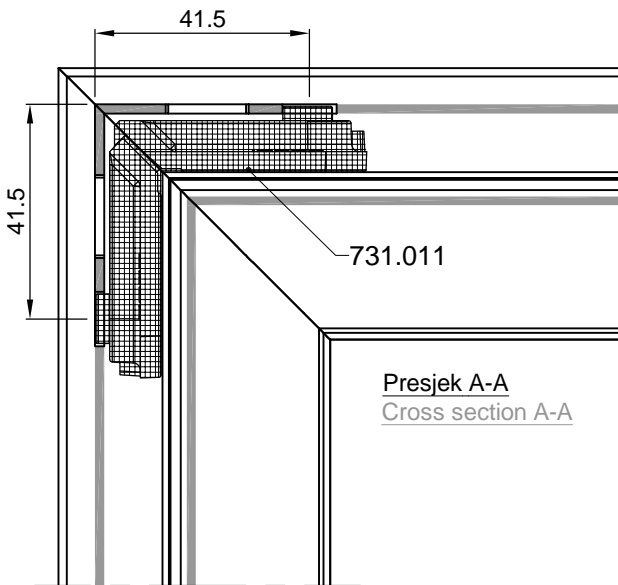
Processing of profile F-1602 for the corner bracket 710.468





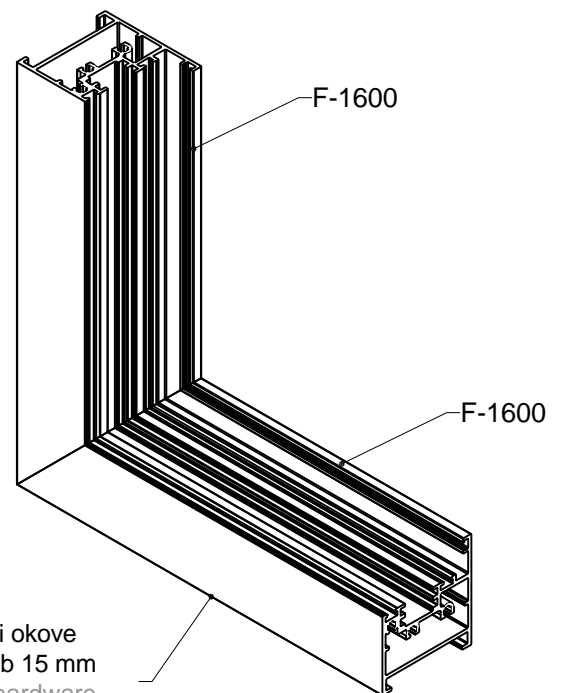
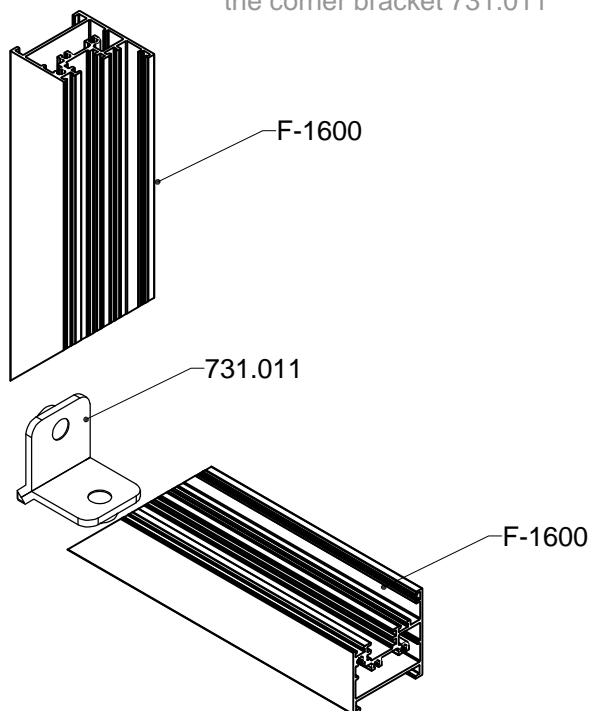
Obrada profila F-1600 za kutnu spojnicu 731.011  
Processing of profile **F-1600** for the corner bracket 731.011

Obrada na pneumatskoj štanci tipa Feal br.2-art.210.003  
Processing on pneumatic punching machine type Feal br.2-art.210.031



Spajanje profila krila **F-1600** kutnikom 731.011

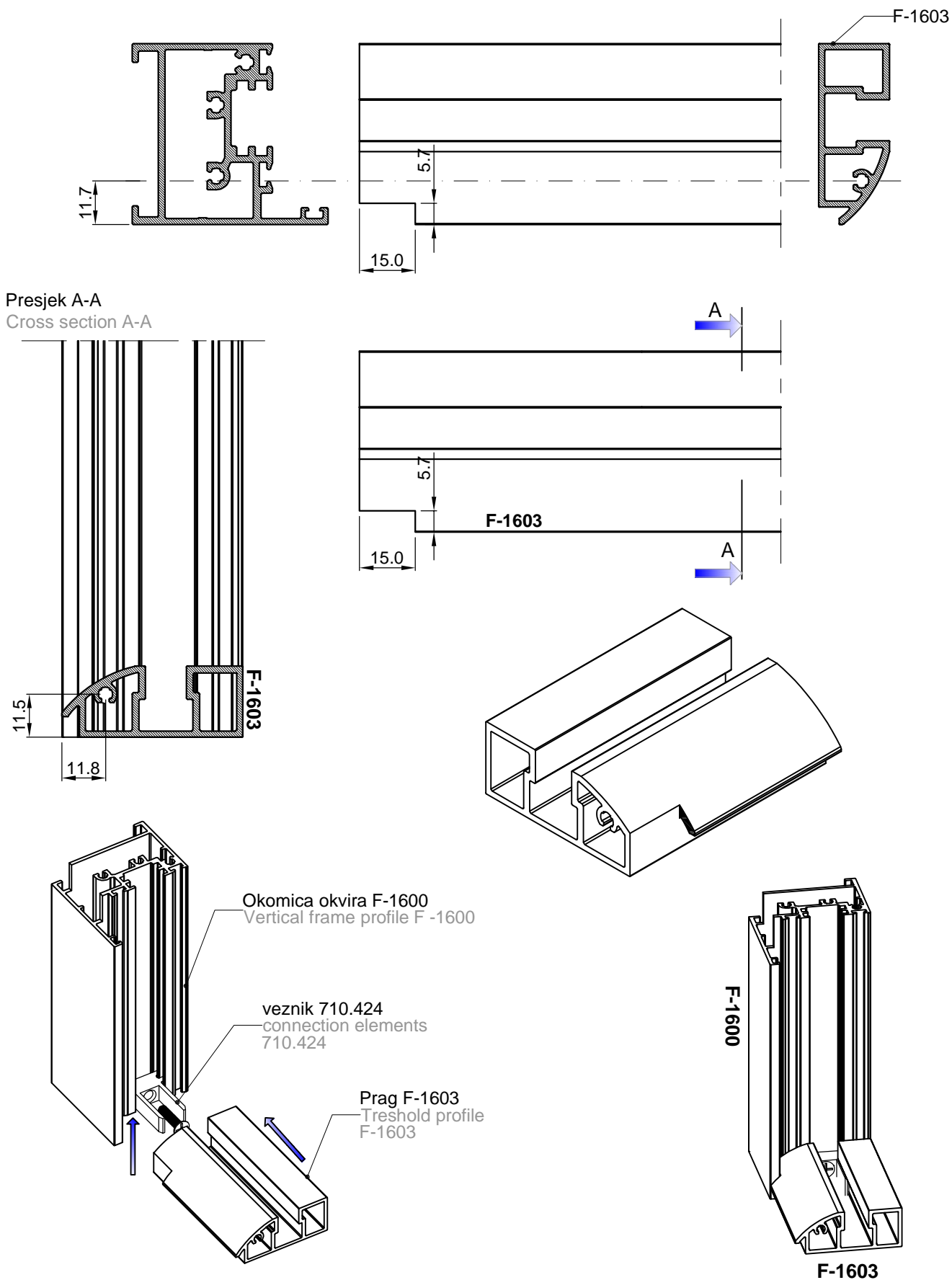
Connecting profiles **F-1600** with the corner bracket 731.011



Koristiti okove za žlijeb 15 mm  
Using hardware for groove of 15mm

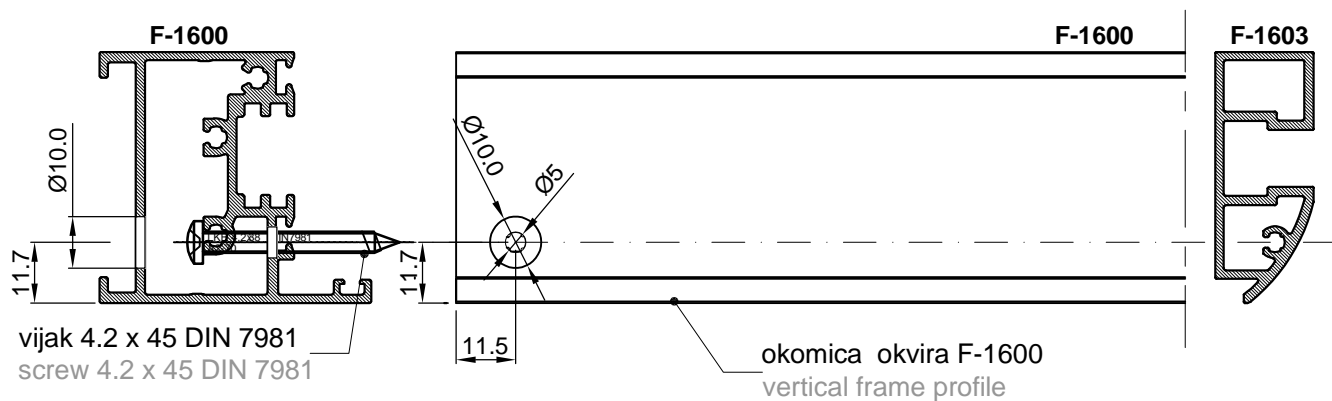
Obrada profila praga F-1603 prema okomici  
okvira F-1600  
Processing the treshold profile F-1603 for the  
vertical frame profile F- 1600

Profil praga F-1603 koristi se za otvaranje unutra  
The treshold profile F-1603 is used for inside  
opening

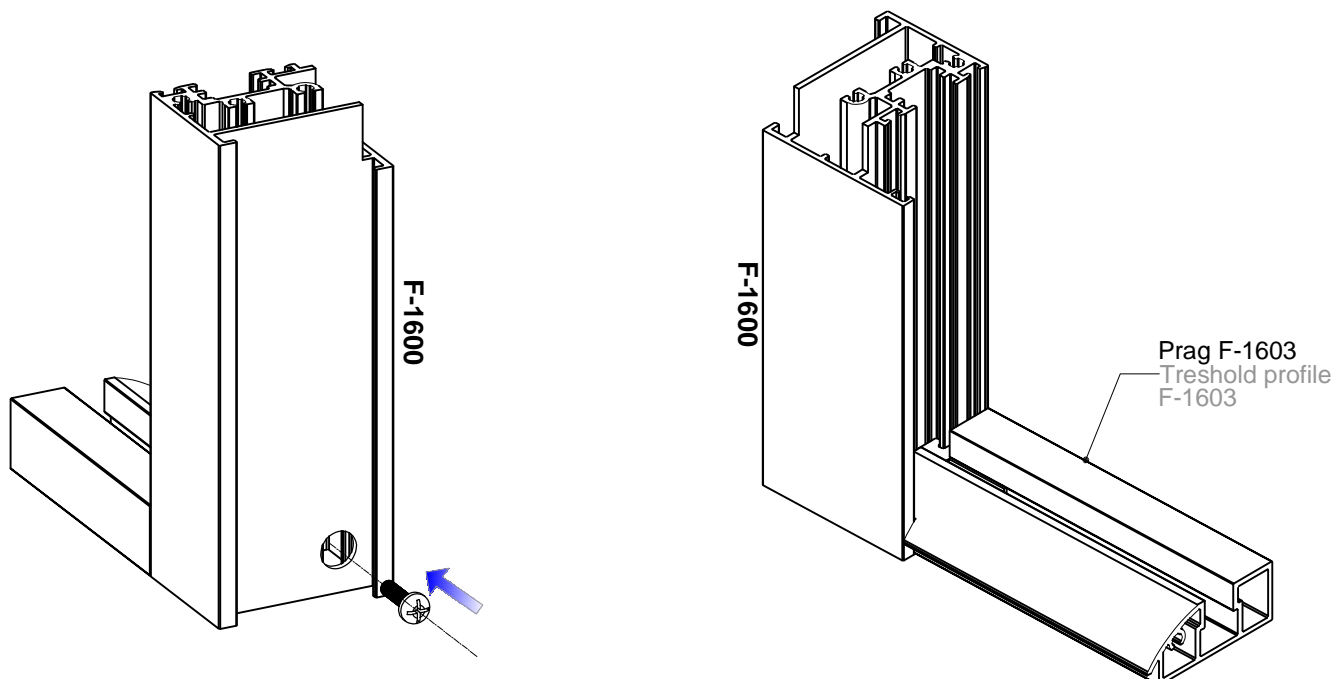
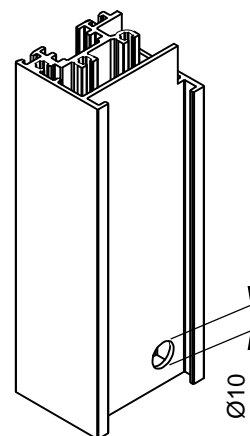


Obrada za vijak 4.2 x 45. Povezivanje vertikalnog pojasa rama F-1600 i praga F-1603  
Machining profile F-1600 for screw. Connection of vertical frame F-1600 and treshold profile F-1603.

Profil praga F-1603 koristi se za otvaranje unutra  
The treshold profile F-1603 is used for inside opening

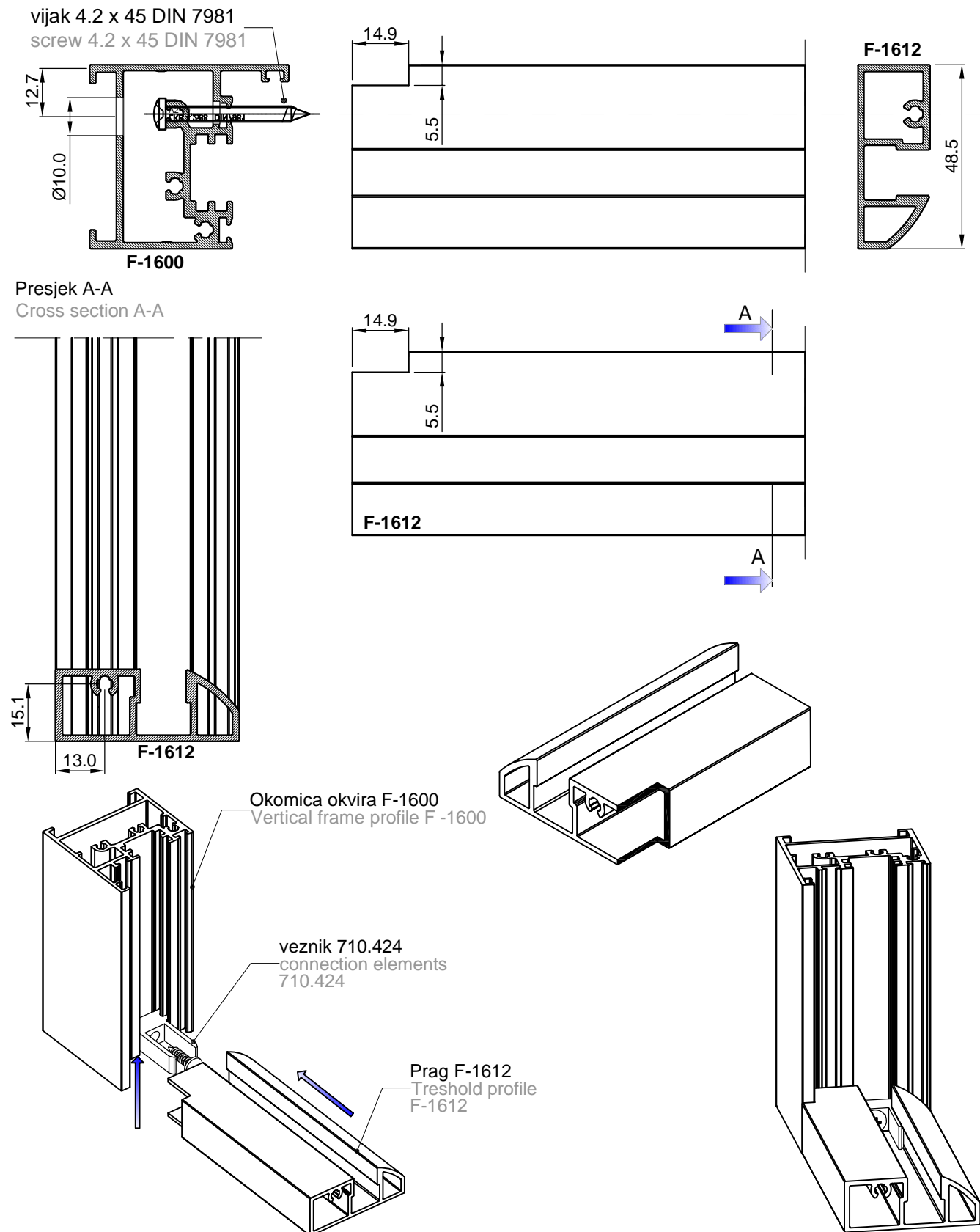


Nakon obrade za otvor vijka, prag pričvrstiti vijkom.  
After machining for hole, treshold profile fixed with the screw.



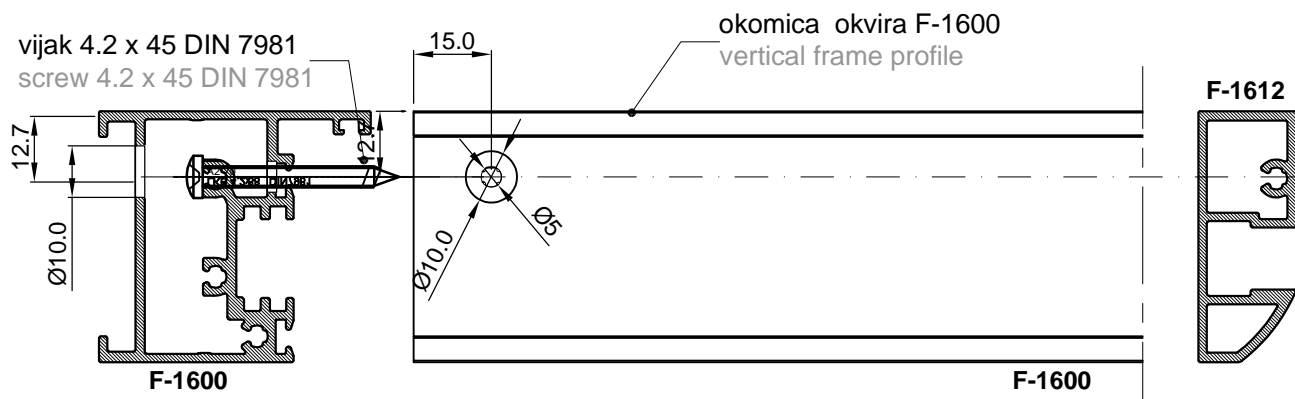
Obrada profila praga F-1612 prema okomici  
okvira F-1600  
Processing the treshold profile F-1612 for the  
vertical frame profile F- 1600

Profil praga F-1612 koristi se za otvaranje vani  
The treshold profile F-1612 is used for outside  
opening

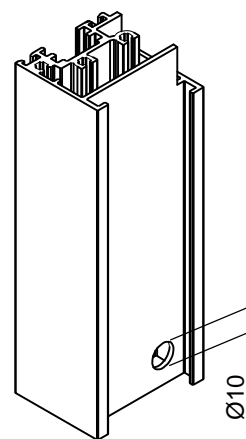


Obrada za vijak 4.2 x 45. Povezivanje vertikalnog pojasa rama F-1600 i praga F-1612  
Machining profile F-1600 for screw. Connection of vertical frame F-1600 and treshold profile F-1612.

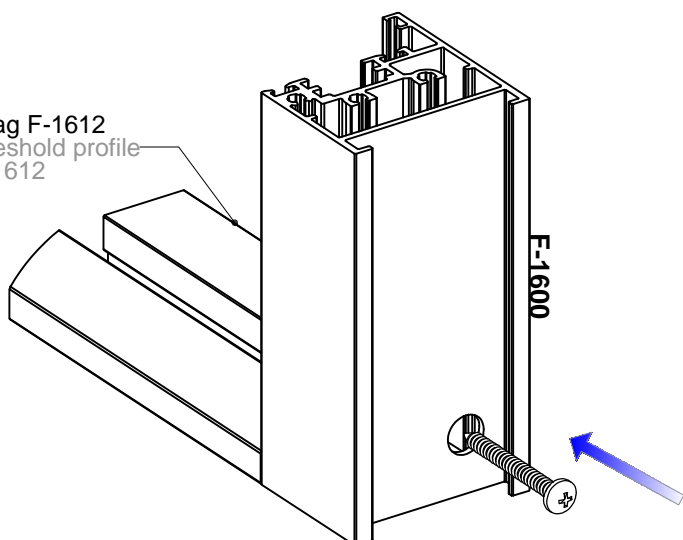
Profil praga F-1612 koristi se za otvaranje vani  
The treshold profile F-1612 is used for outside opening



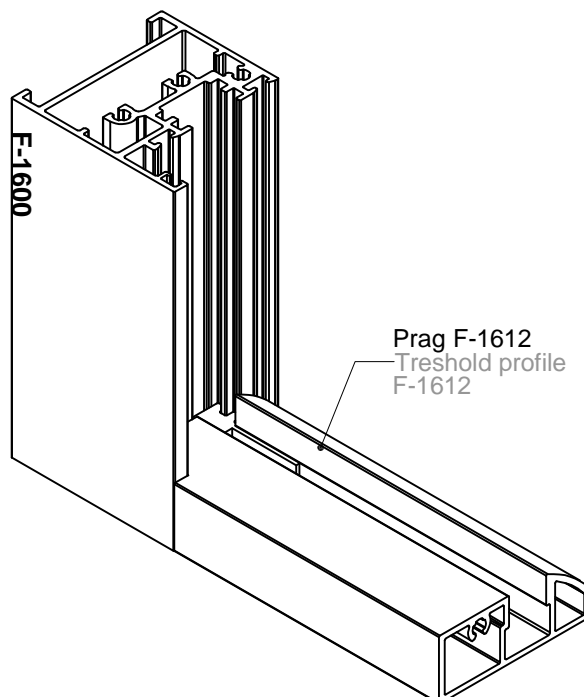
Nakon obrade za otvor vijka, prag pričvrstiti vijkom.  
After machining for hole, treshold profile fixed with the screw.



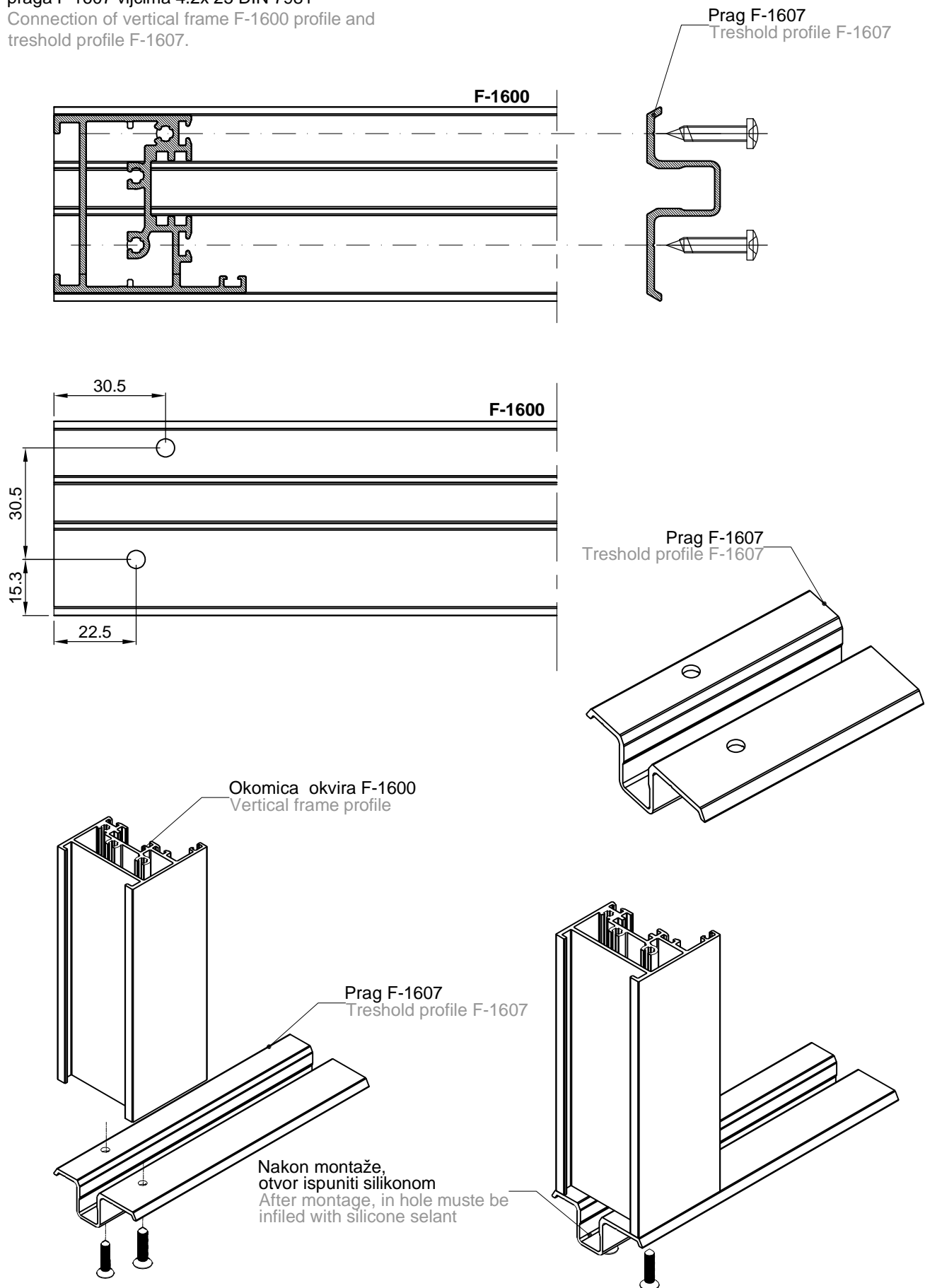
Prag F-1612  
Treshold profile  
F-1612

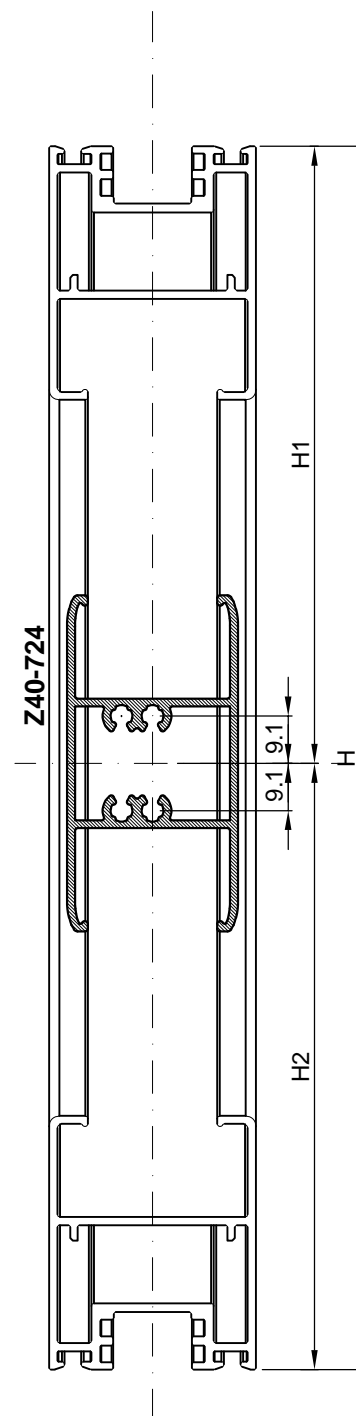
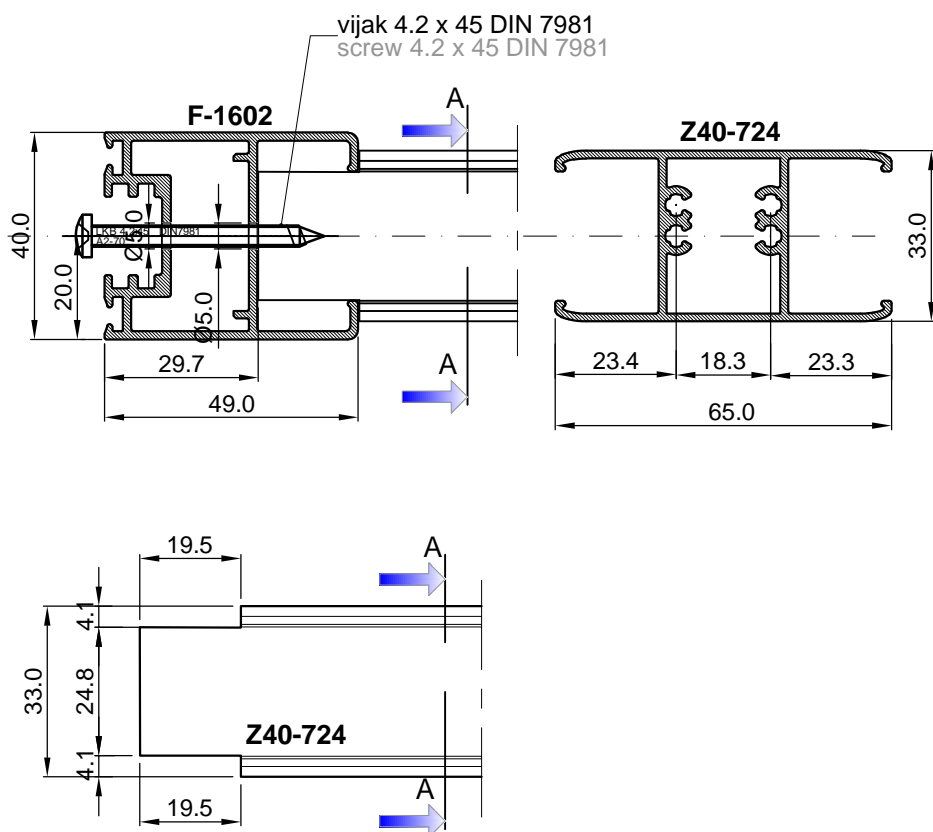


Prag F-1612  
Treshold profile  
F-1612

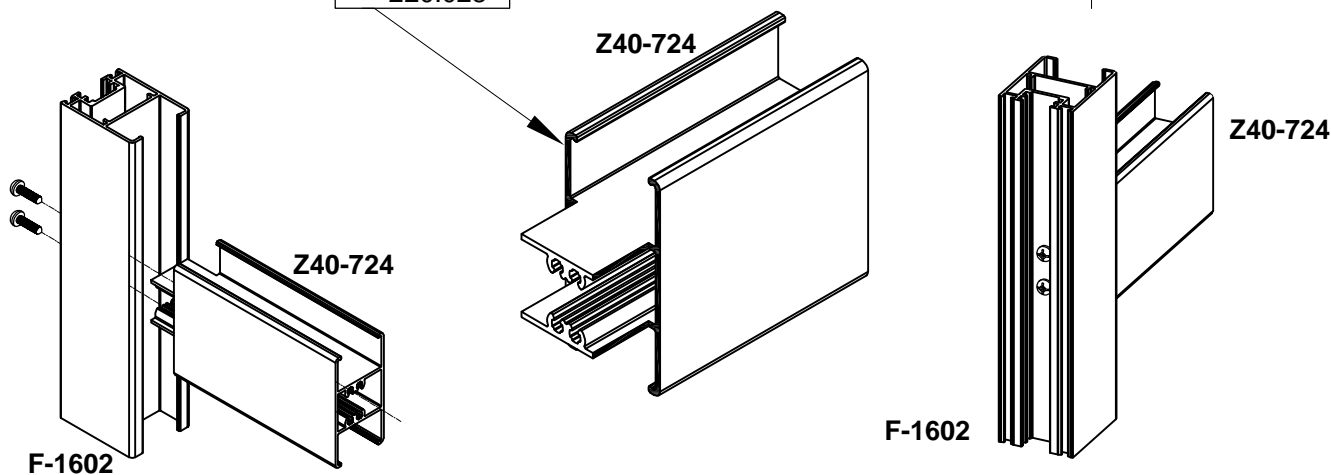
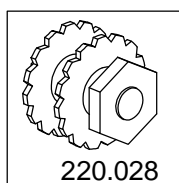


Povezivanje vertikalnog pojasa rama F-1600 i  
praga F 1607 vijcima 4.2x 25 DIN 7981  
Connection of vertical frame F-1600 profile and  
treshold profile F-1607.

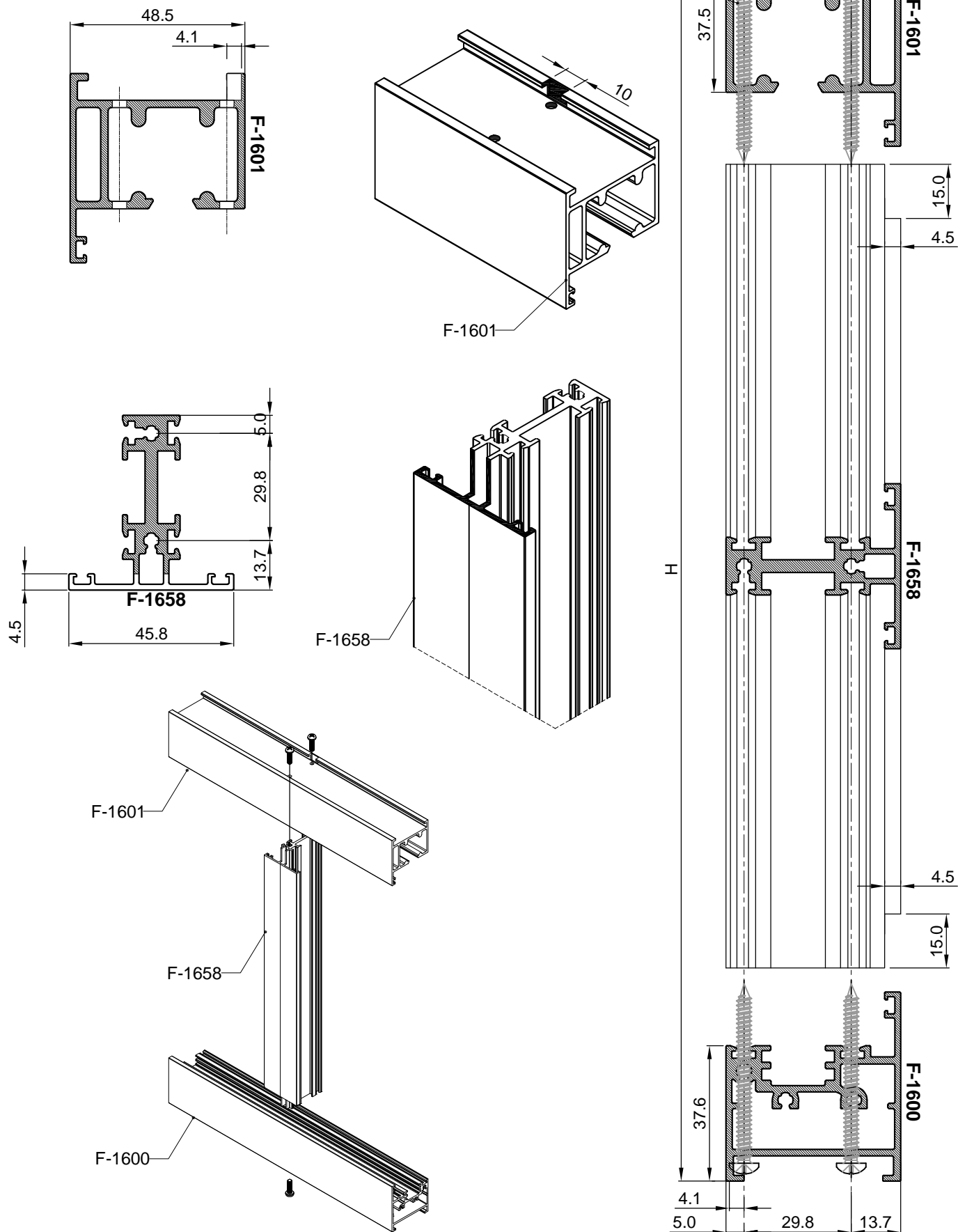




Obrada prečke Z40-724 prema krilu F-1602 snopom glodala 220.028  
Processing profile Z40-724 for the profile F-1602 with milling cutter 220.028



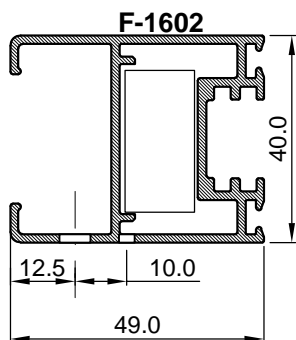
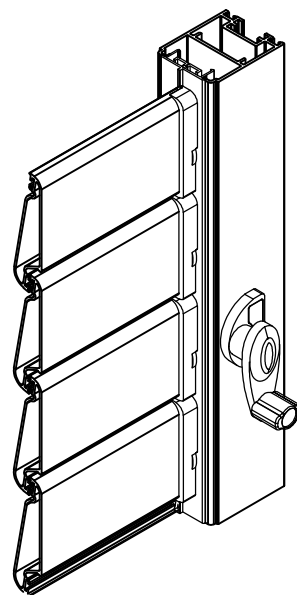
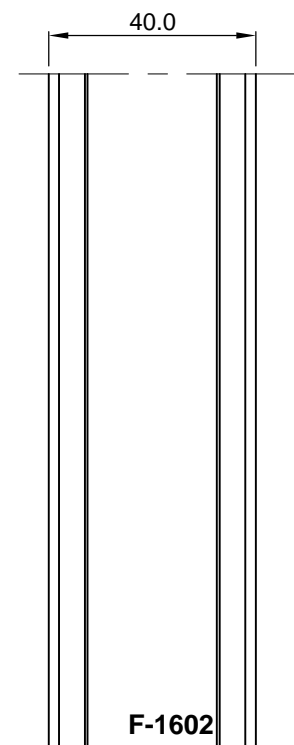
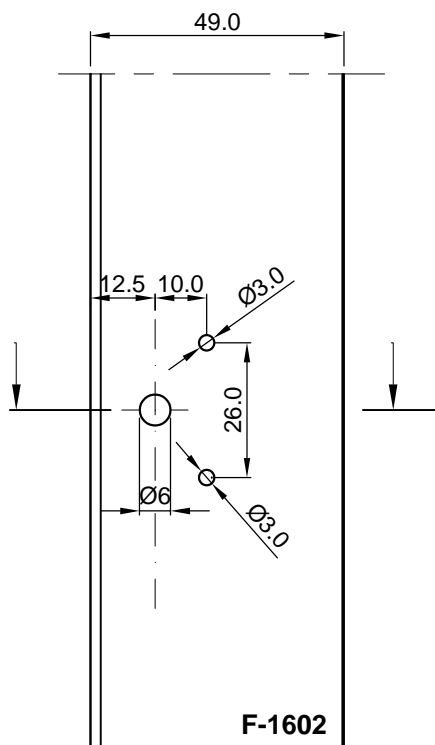
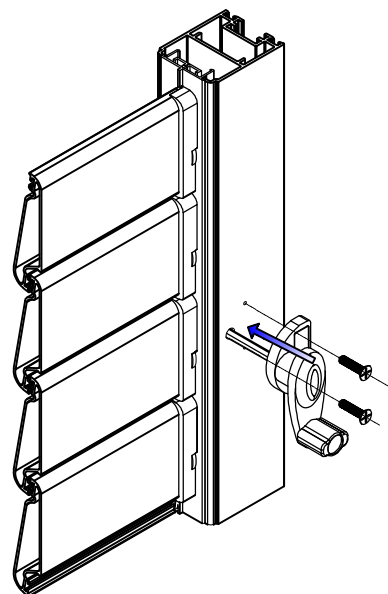
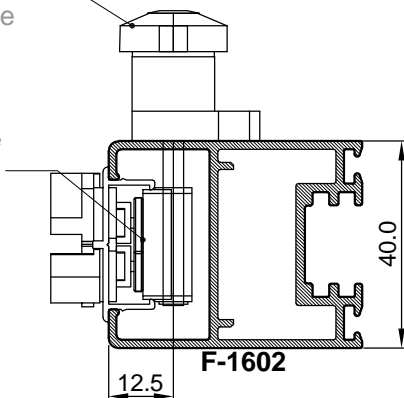
Obrada profila prečke F-1658 prema profilima rama F-1601 i F1602  
Connection of vertical frame F-1600 profile and treshold profile F-1607.



UGRADNJA MEHANIZMA SA RUČICOM ( art.140.xxx) ZA POKRETANJE MEHANIZMA GRILJA (25 mm)  
INSTALLATION OF THE MECHANISM WITH HANDLE ( art.140.xxx) FOR THE MECHANISM OF MOVABLE  
SHUTTER (25 mm)

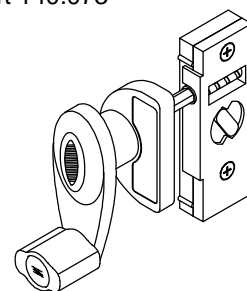
art 140.073 -  
mehanizam sa ručicom  
mechanism with handle

art. 140.040-  
mehanizam za pokretanje  
grilja  
mechanism for movable  
shutter



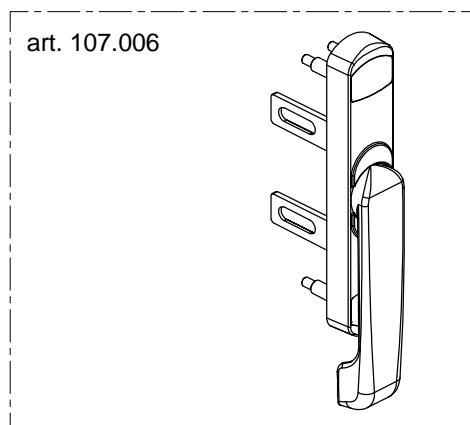
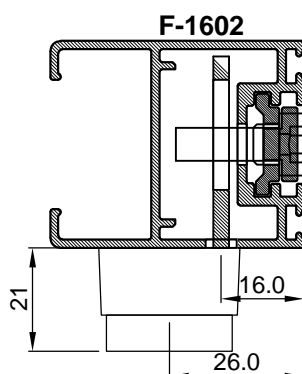
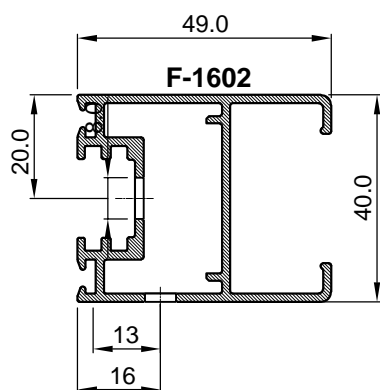
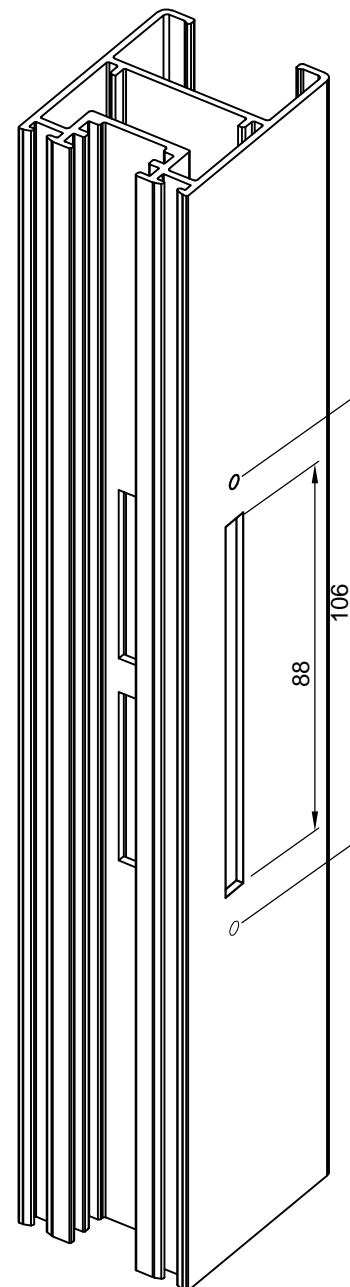
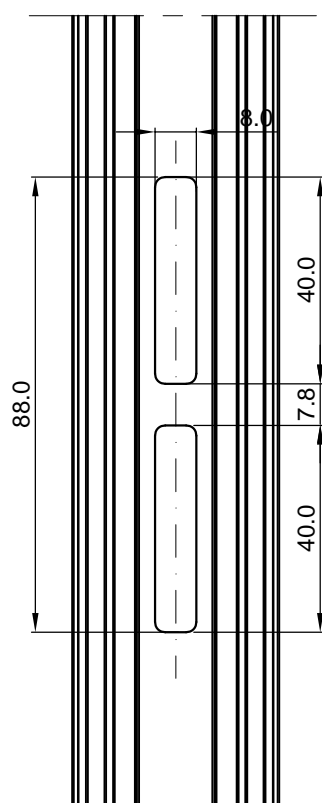
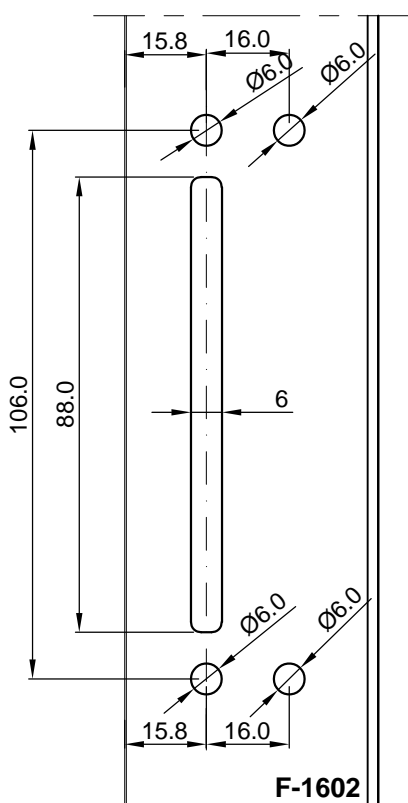
Obrada profila za ugradnju ručice  
Processing of profile for installation  
the handle

art 140.073



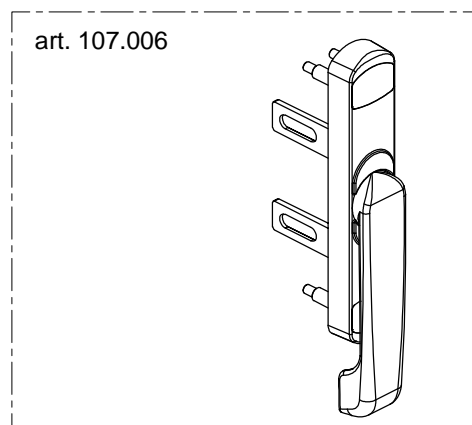
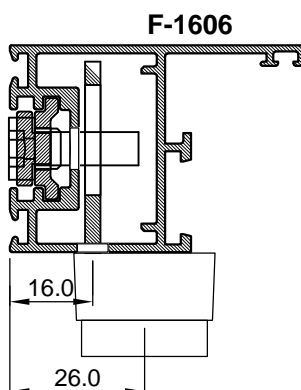
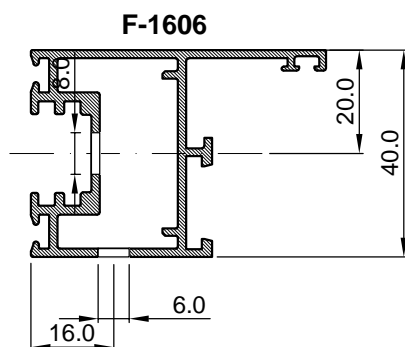
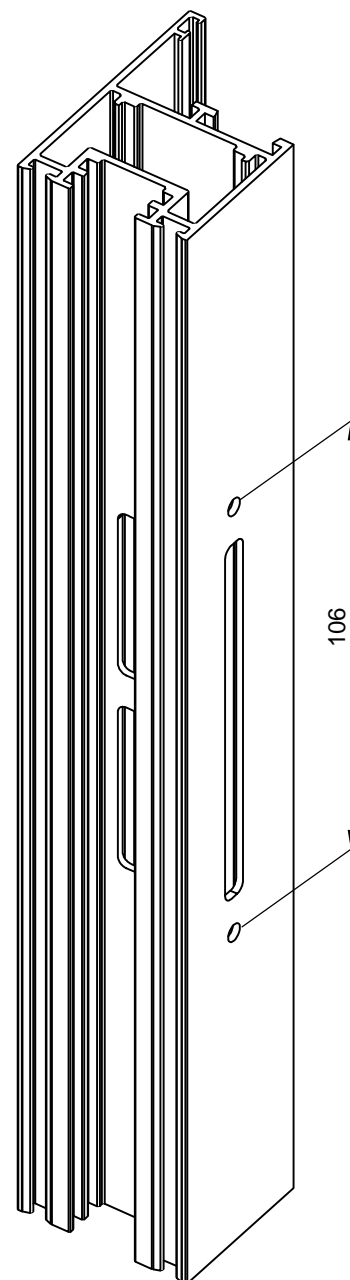
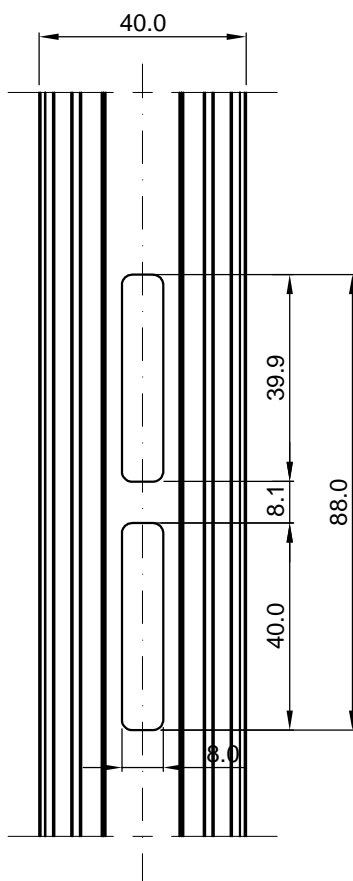
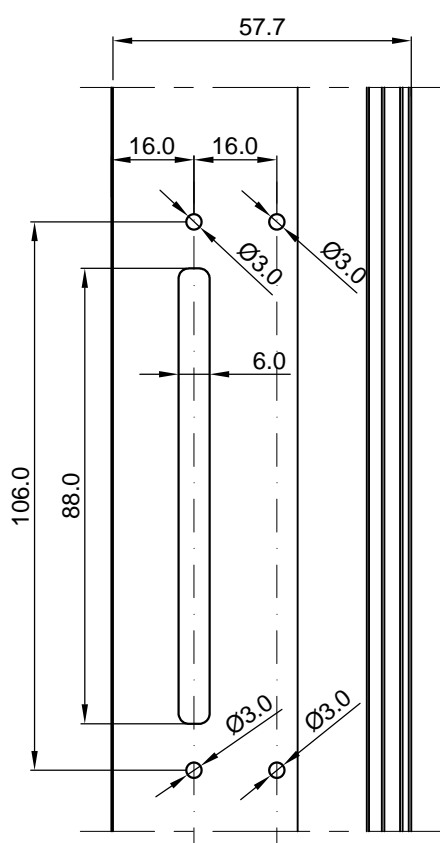
Obrada profila F-1602 za pogonsku ručku 107.006.xx  
sa elementima pogona klizača 140.079 i 143.080

Processing profile F-1602 for handle 107.006.xx with drive elements  
140.079 i 143.080



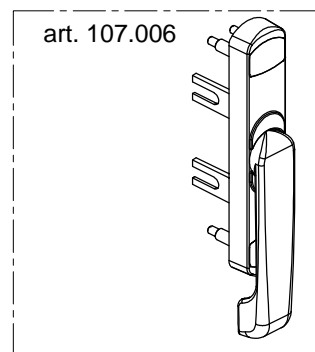
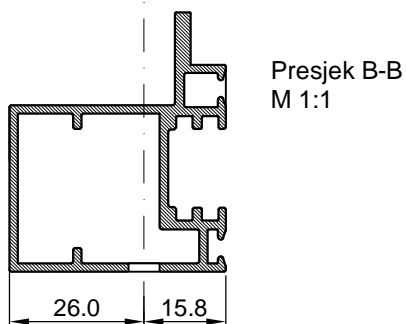
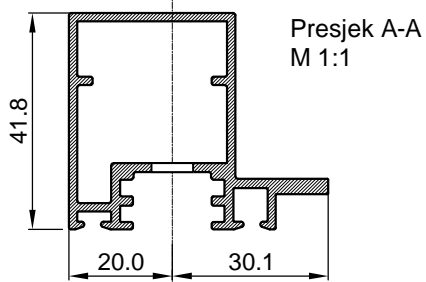
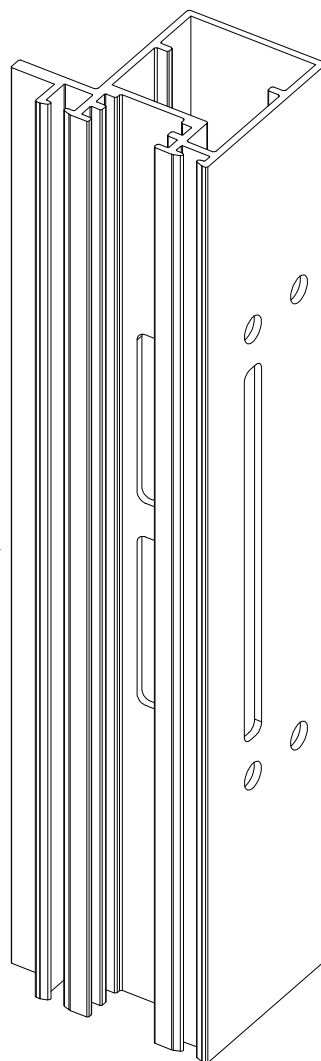
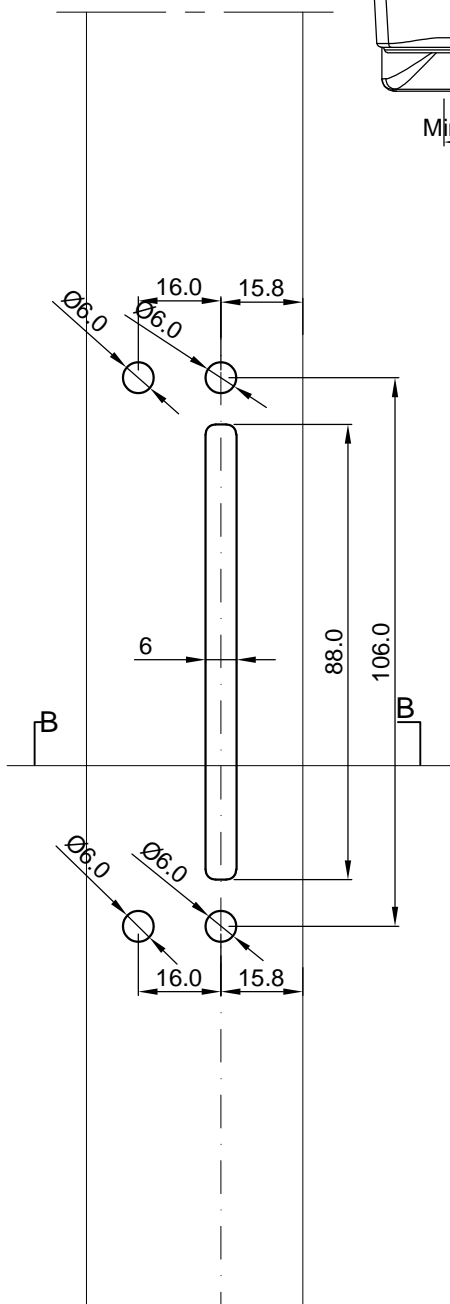
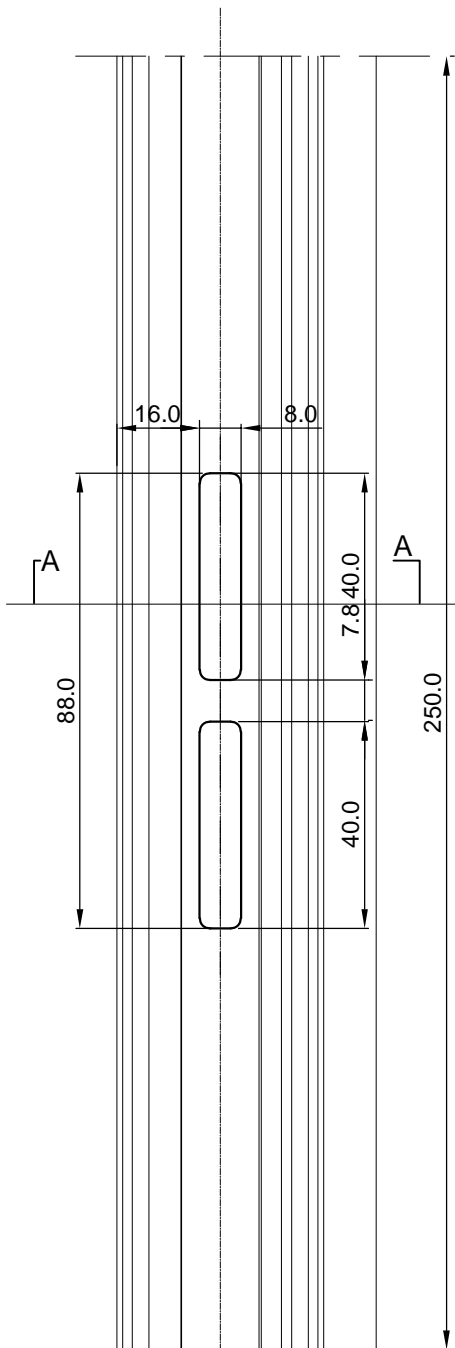
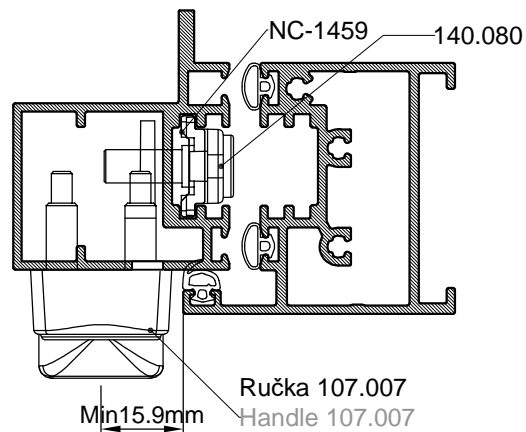
Obrada profila F-1606 za prozorsku ručku 107.006.xx  
sa elementima pogona klizača 140.079 i 143.080

Processing profile F-1606 for handle 107.006.xx with drive elements  
140.079 i 143.080



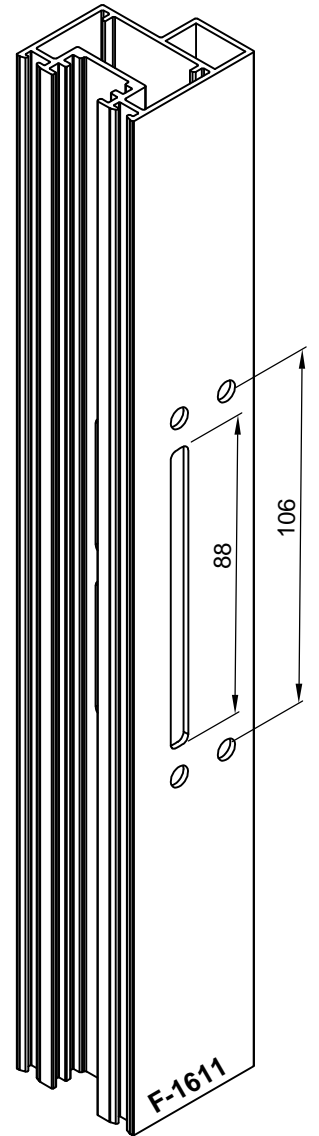
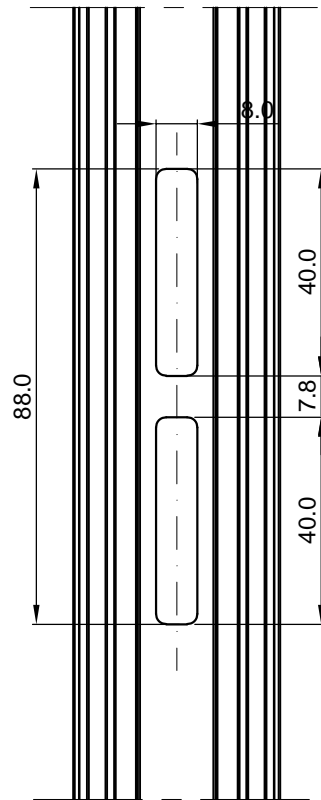
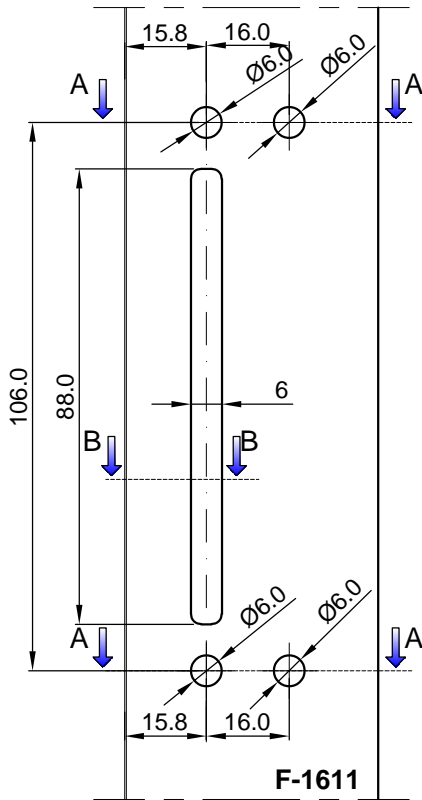
Obrada profila F-1657 za pogonsku ručku 107.007.xx sa elementima pogona klizača 140.079 i 143.080

Processing profile F-1657 for handle 107.007.xx with drive elements 140.079 i 143.080

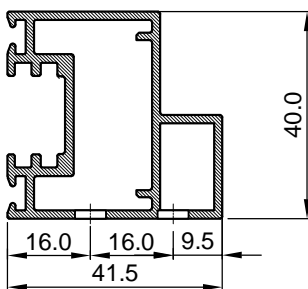


Obrada profila F-1611 za pogonsku ručku 107.006.xx  
sa elementima pogona klizača 140.079 i 143.080

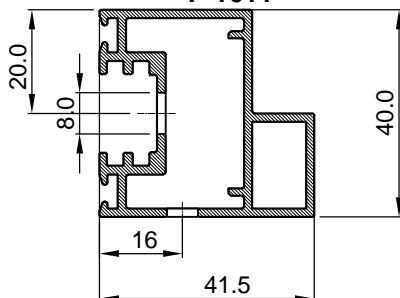
Processing profile F-1611 for handle 107.006.xx with drive elements  
140.079 i 143.080



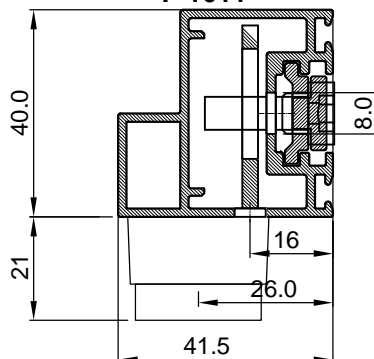
Presjek A-A



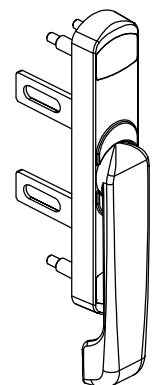
Presjek B-B

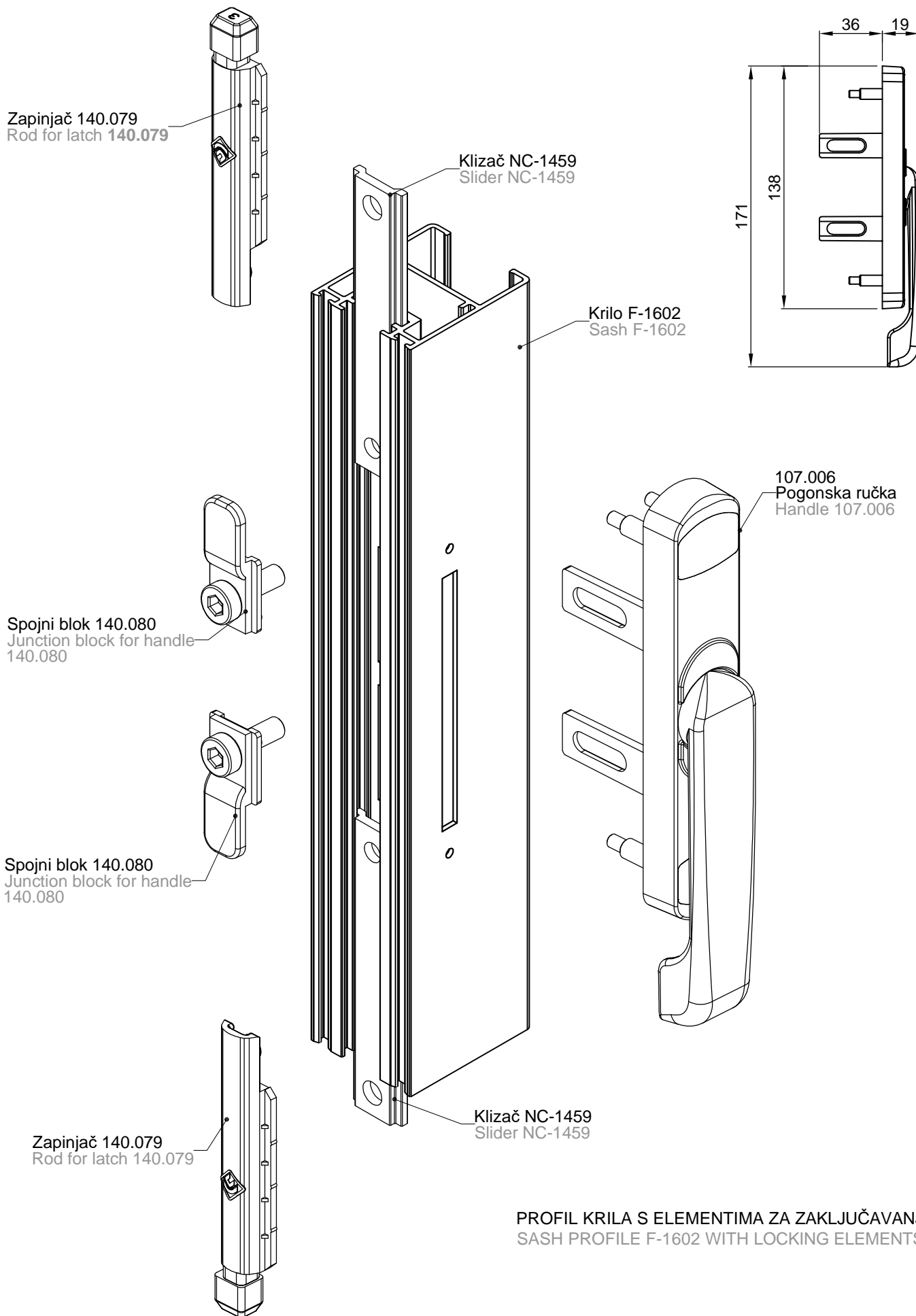


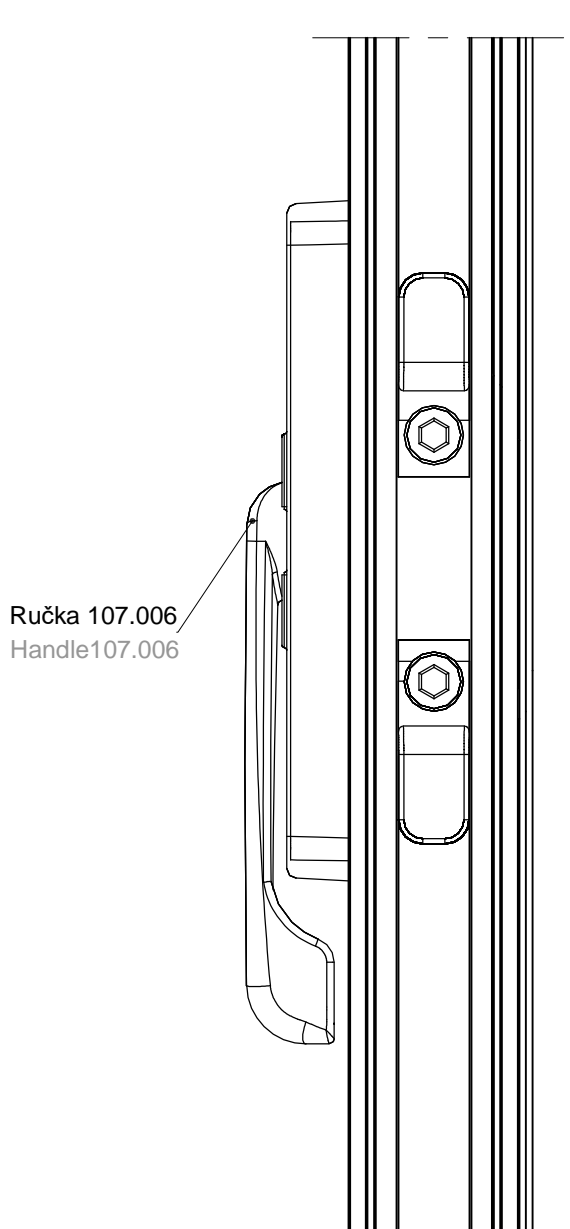
Presjek B-B



art. 107.006



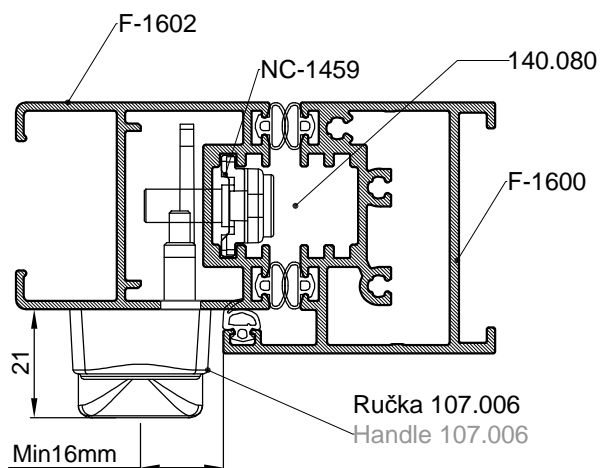




Ručka 107.006  
Handle 107.006

Montaža ručke 107.006. Ručku postaviti na krilo prema zadanim kotama zatim je fixirati pomoću vijaka

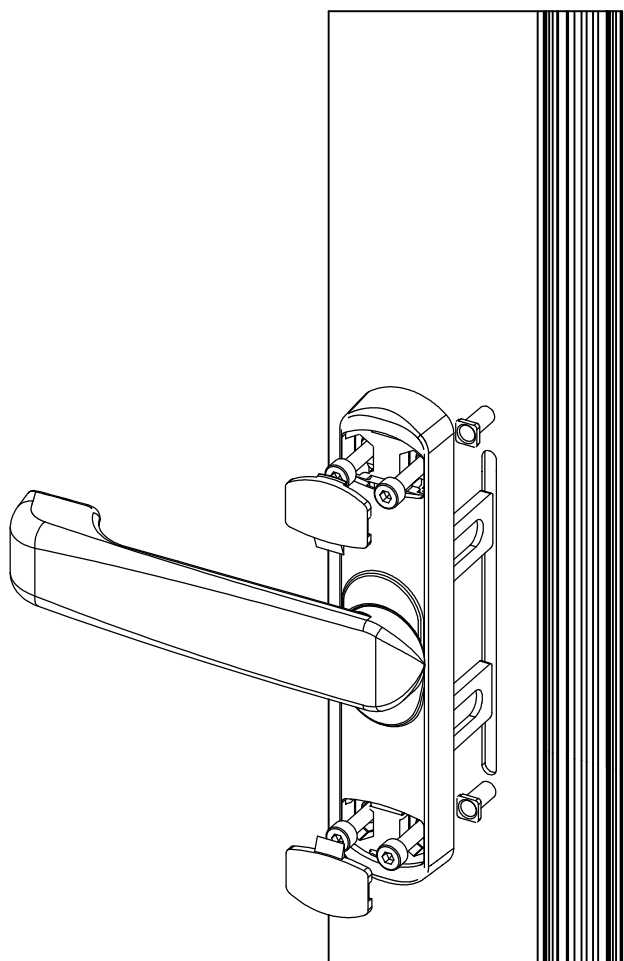
Handle montage 107.006 on the sash according to the dimensions in the drawing and fix it with screw them.

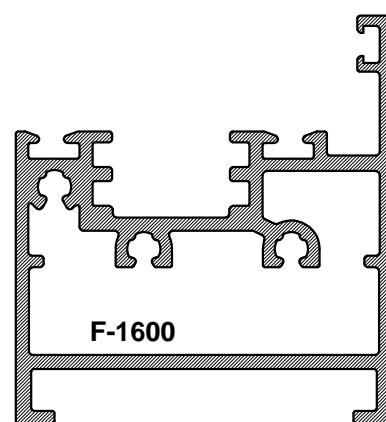
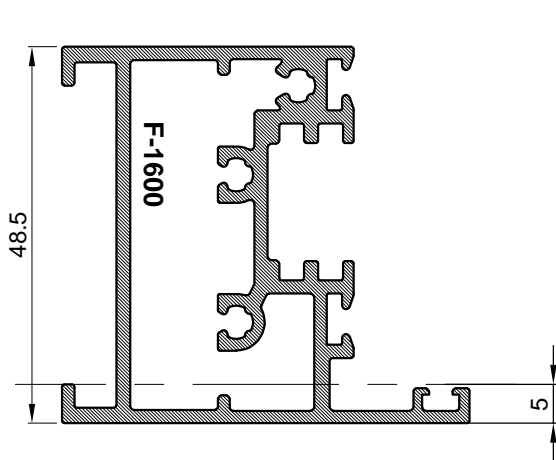
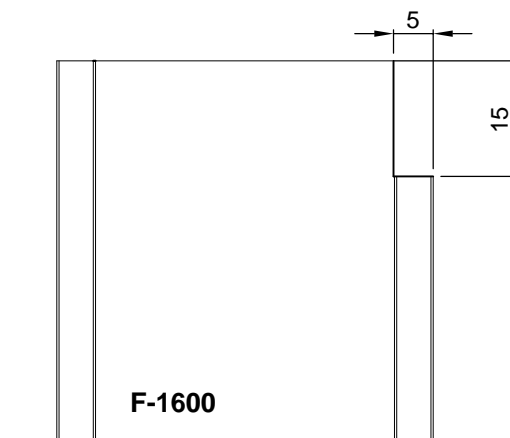
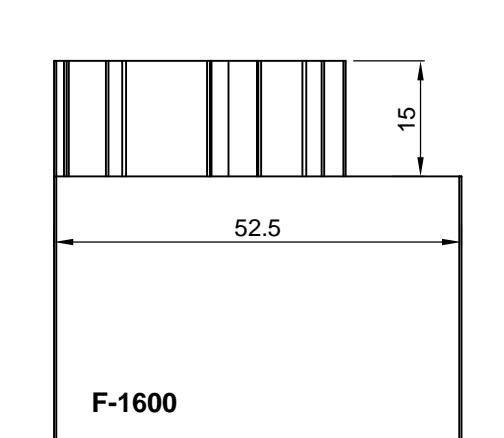


Montaža spojnog bloka i klizača s ručkom u krilu.  
Montirati spojni blok na klizač zatim spojiti s ručkom i stegnuti s vijkom.

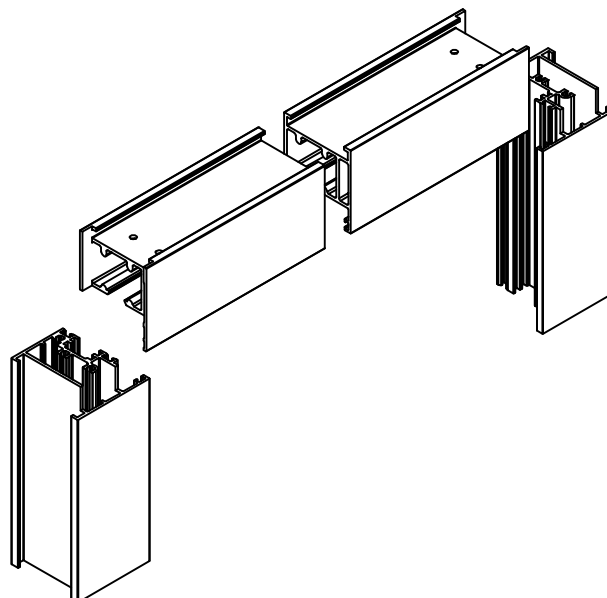
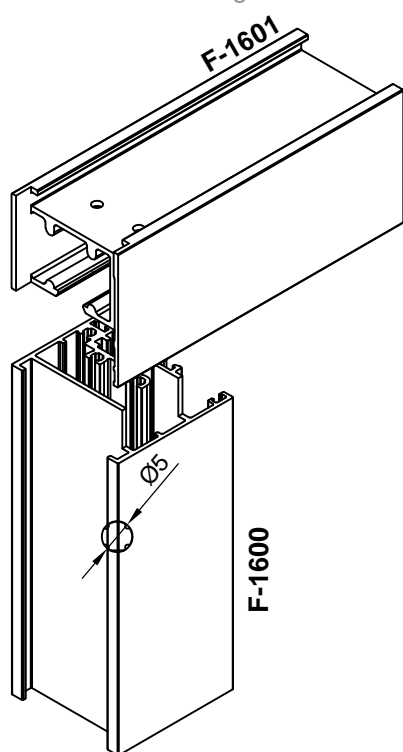
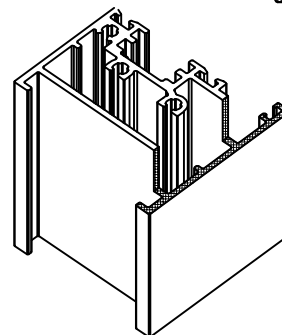
Montage the junction block and the slider with handle in the sash.

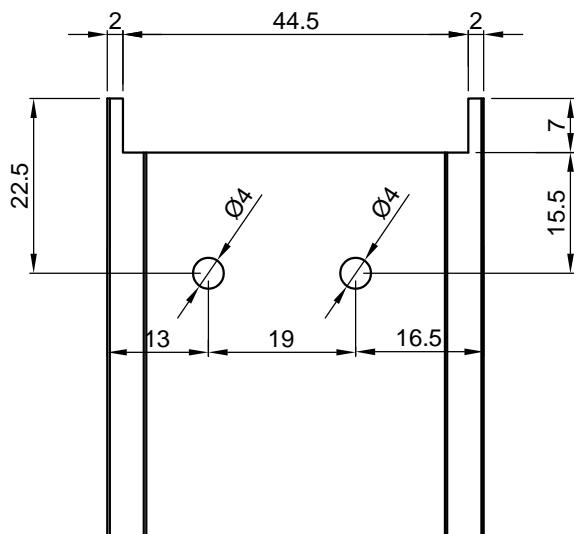
Set the junction block at the slider and then connection with handle and tighten with screw.





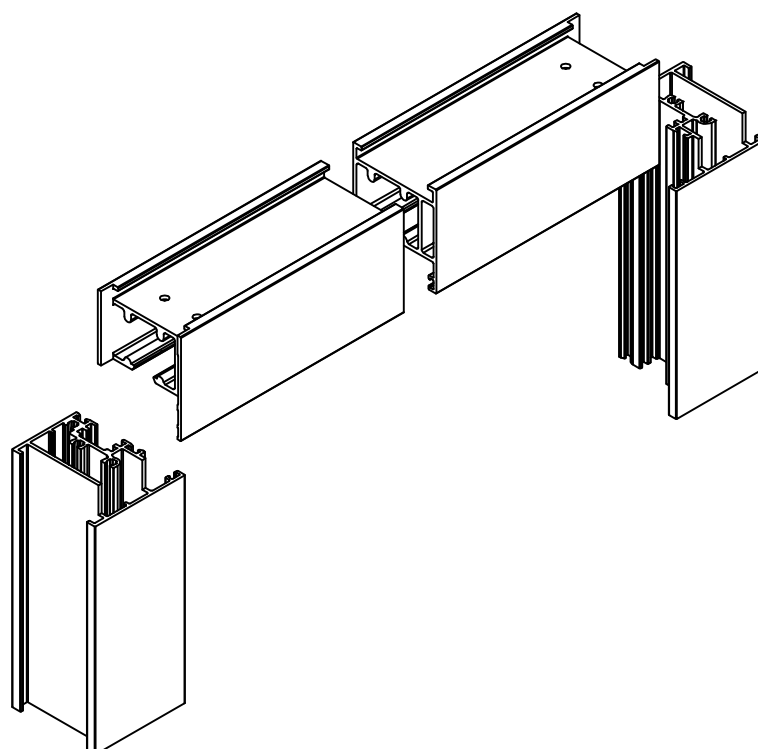
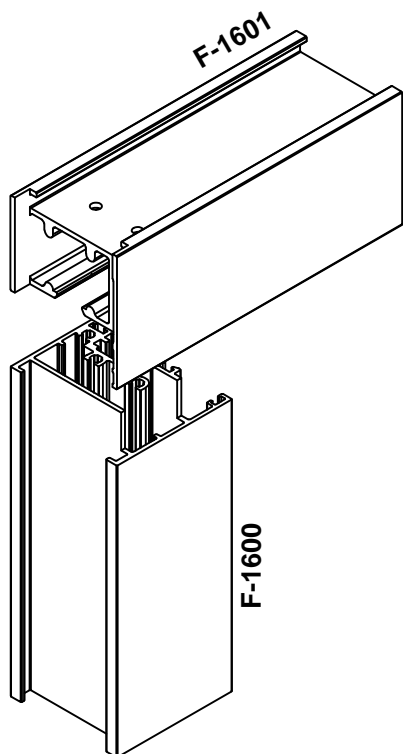
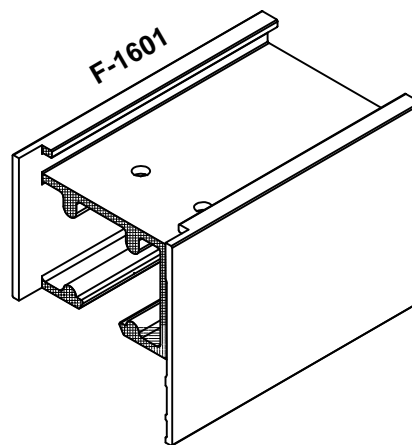
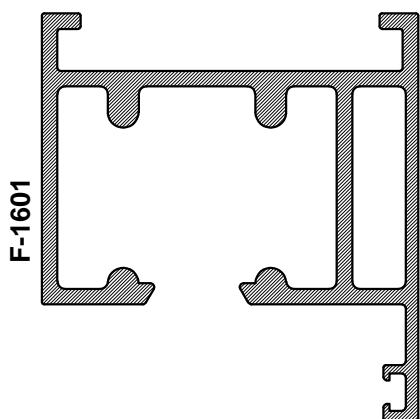
Obrada profila okomice rama  
F-1600 radi se zrcalno u paru  
kao lijeva i desna.  
Processing the vertical frame profile  
F-1600 is mirrored in pairs  
as left and right.

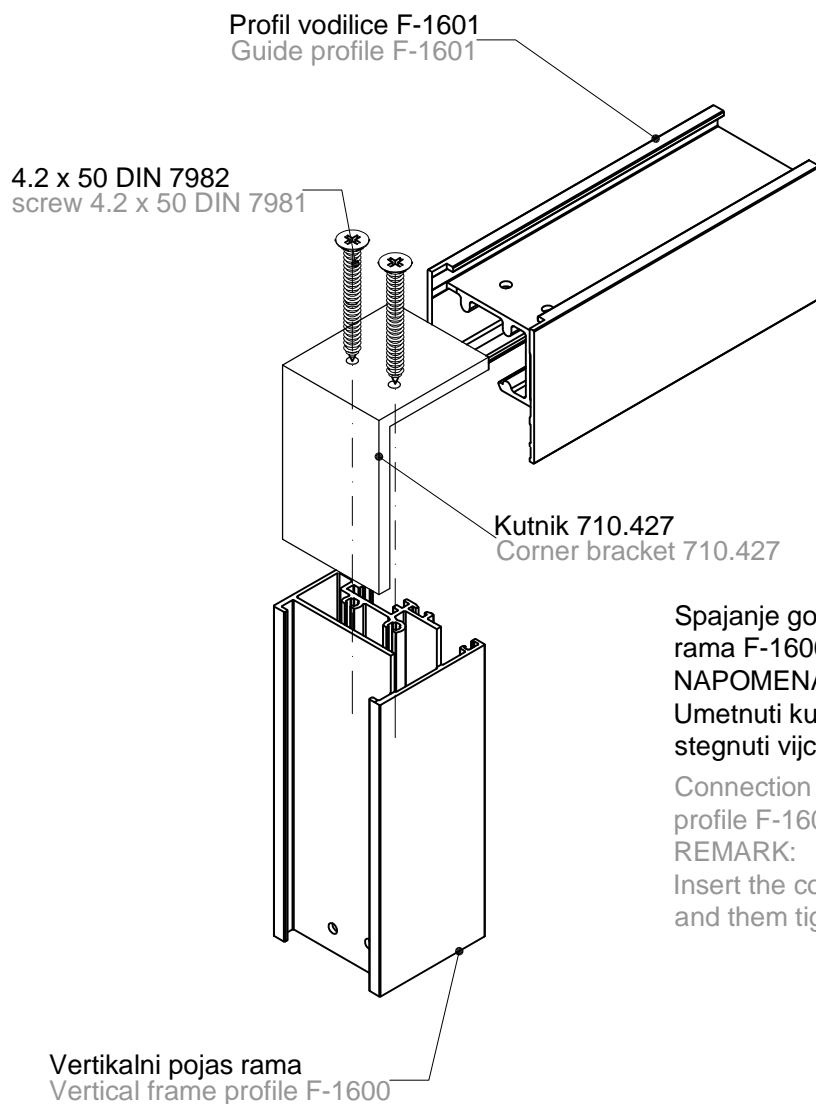




Obrada profila vodilice F-1601 radi se zrcalno u paru kao lijeva i desna.

Processing the guide profile F-1601 is mirrored in pairs as left and right.





Spajanje gornje vodilice F-1601 i vertikalnog pojasa rama F-1600.

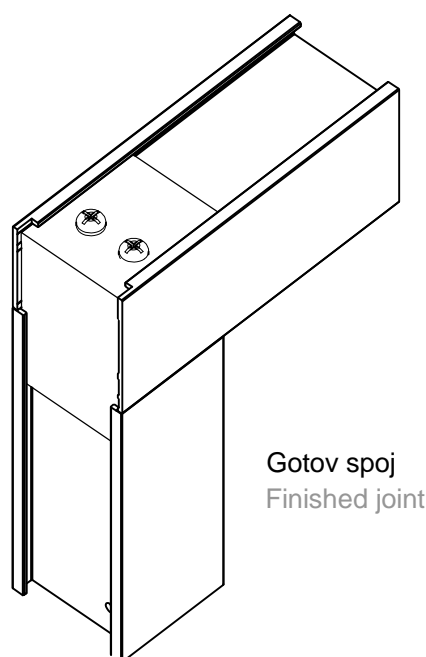
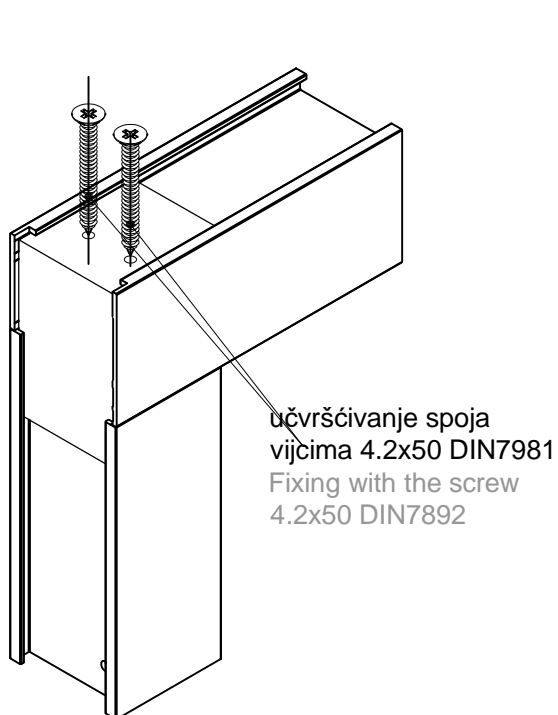
NAPOMENA:

Umetnuti kutnik u obrađene profile zatim stegnuti vijcima 4.2x50 DIN 7982

Connection the upper guide F-1601 and vertical frame profile F-1600.

REMARK:

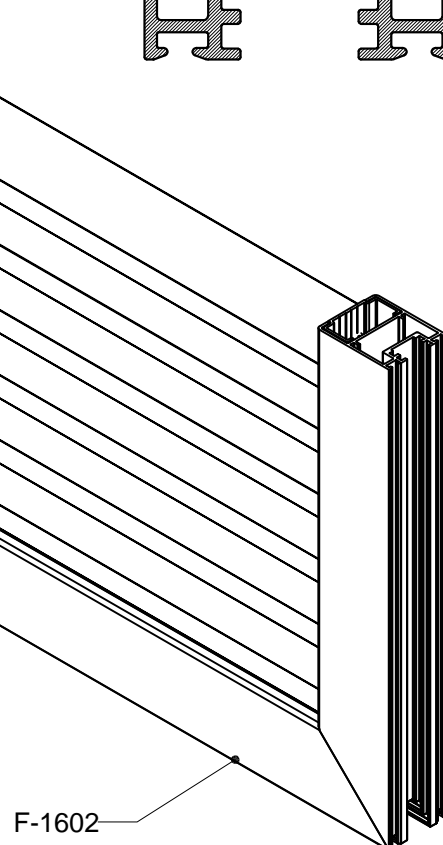
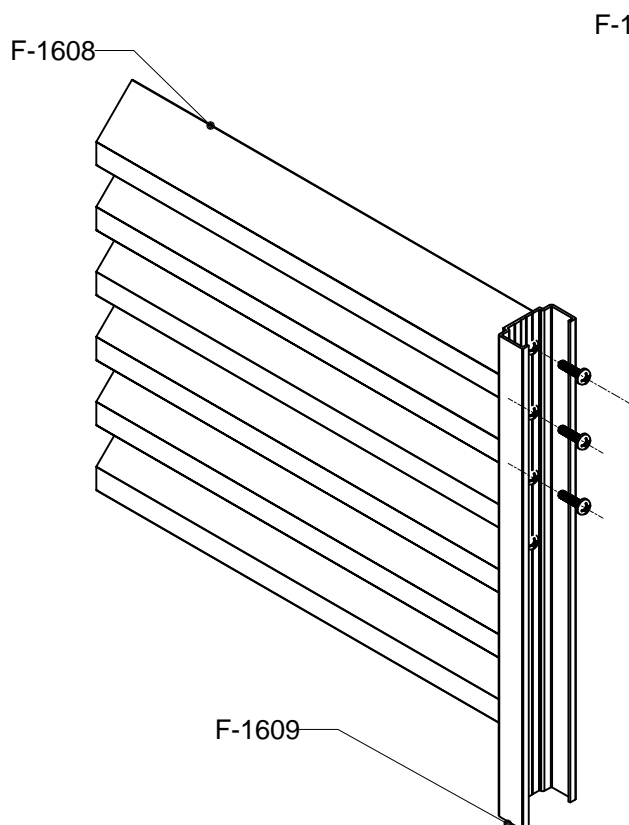
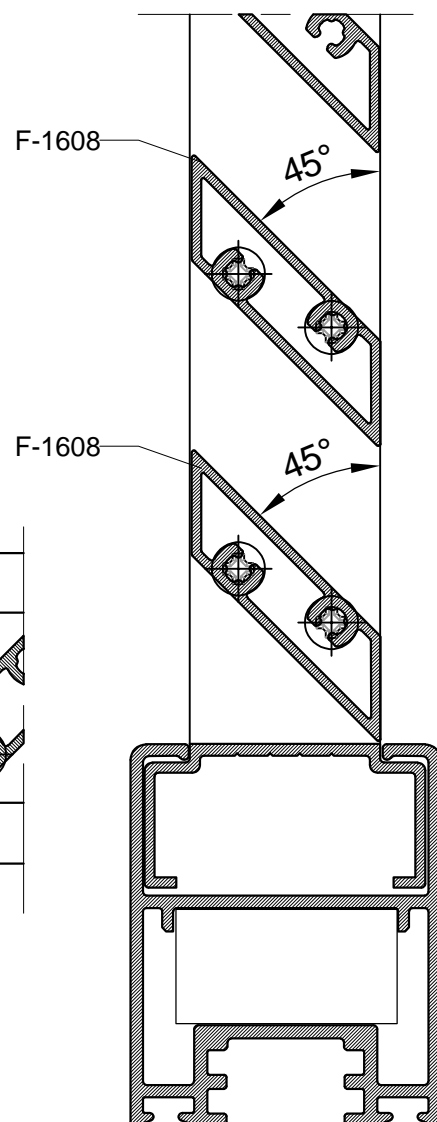
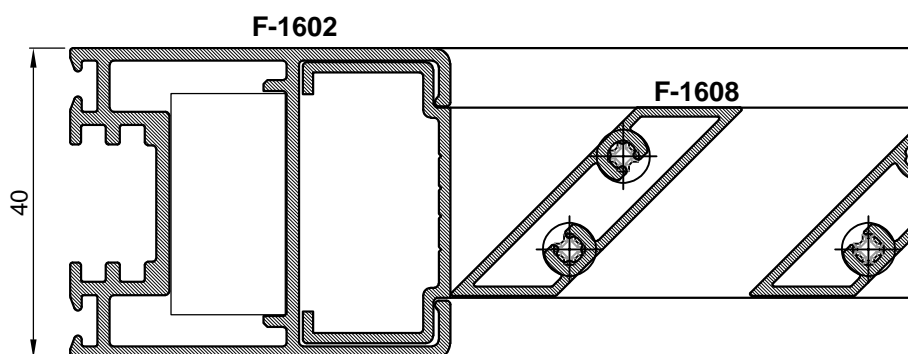
Insert the corner bracket in processed profile and them tighten screw 4.2x50 DIN 7982



NAČIN UGRADNJE ISPUNE A  
METHOD OF THE INFILL INSTALLATION A

Spajanje umetka F-1609 i profila ispune  
F 1608 vijcima 3,5 x25 DIN 7981  
Nakon spajanja, ispunu umetnuti u krilo

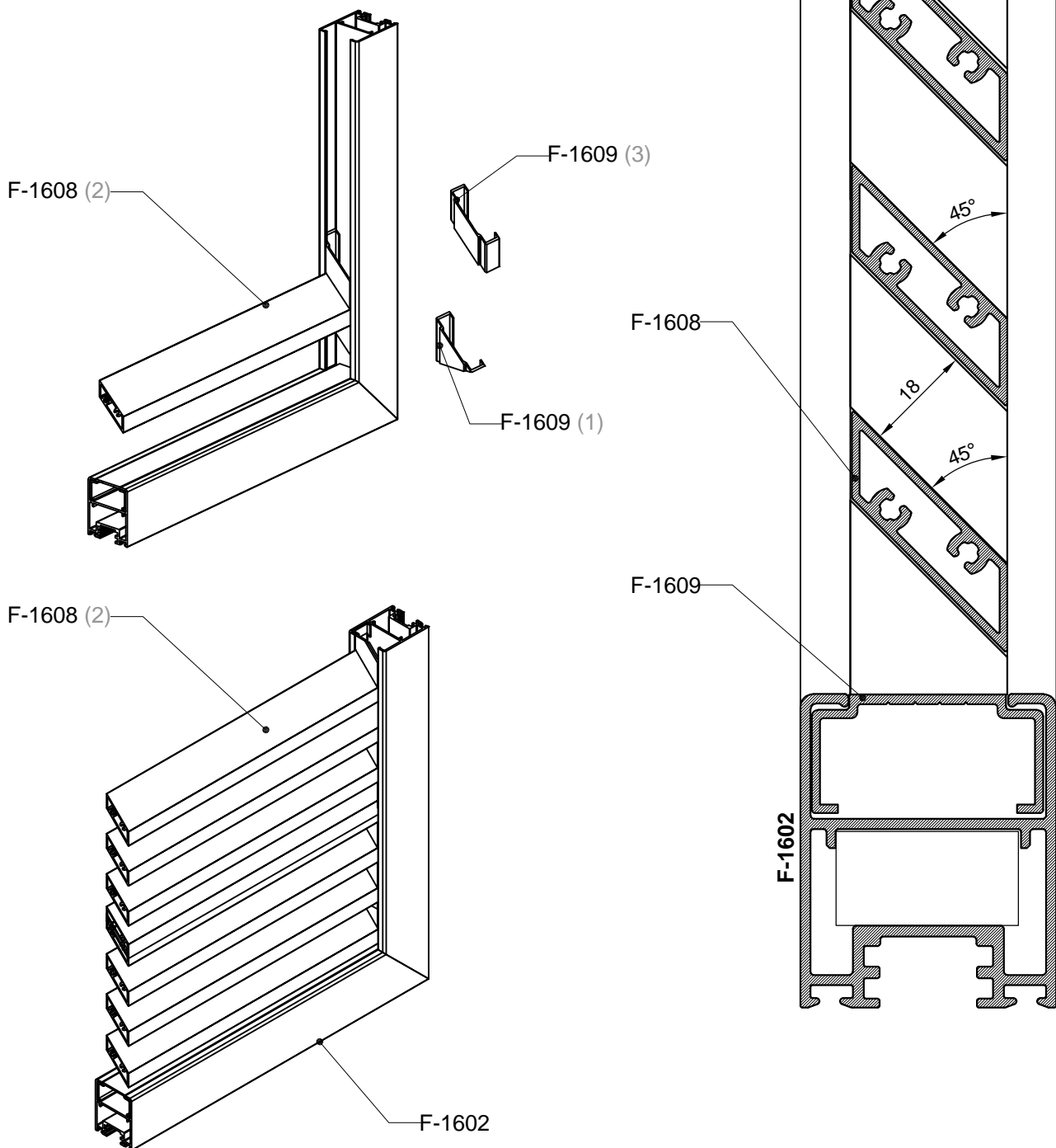
Connection insert profile F-1609 and and infill profile  
F-1608 with screw 35 x25 DIN 7981  
After connected, infills inserting in sash



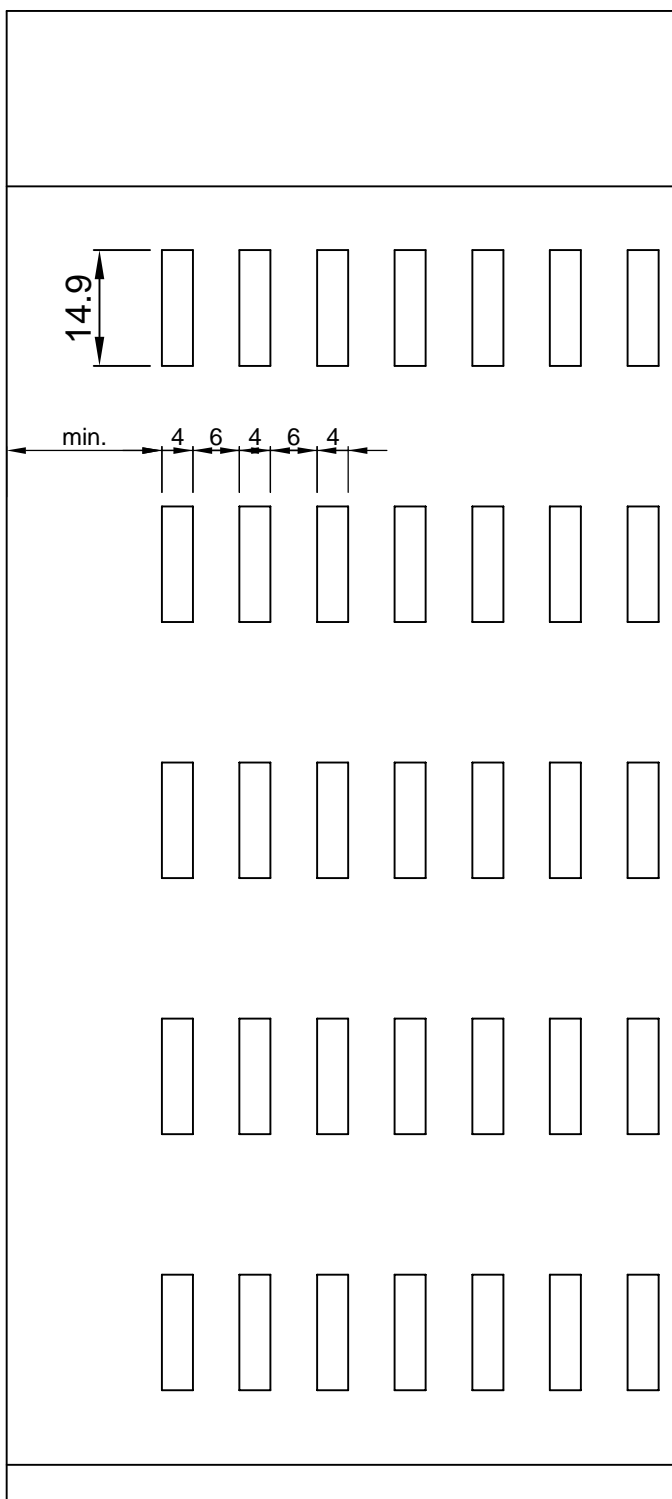
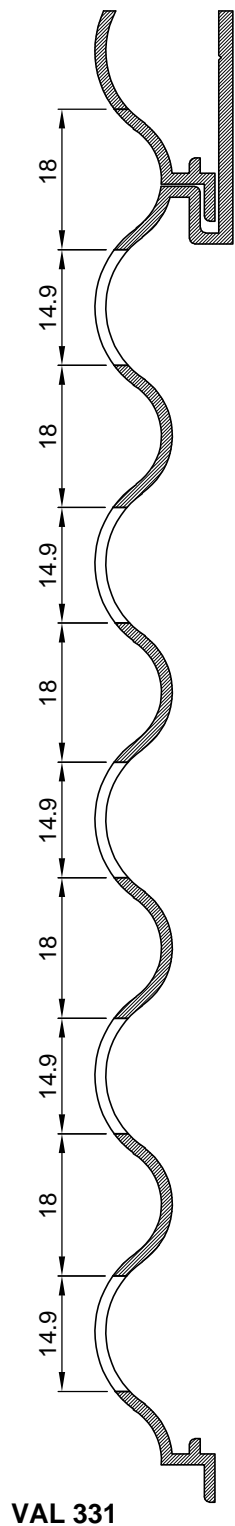
Umetanje profila ispune F-1608  
u profil krila F-1602.  
Umetnuti početni komad umetka (1)  
zatim profil ispune (2) i distancer (3)

Inserting the infill profile F-1608  
in sash profile F-1602  
Insert start elements (1) after the infill  
profile (2) and distance elements (3)

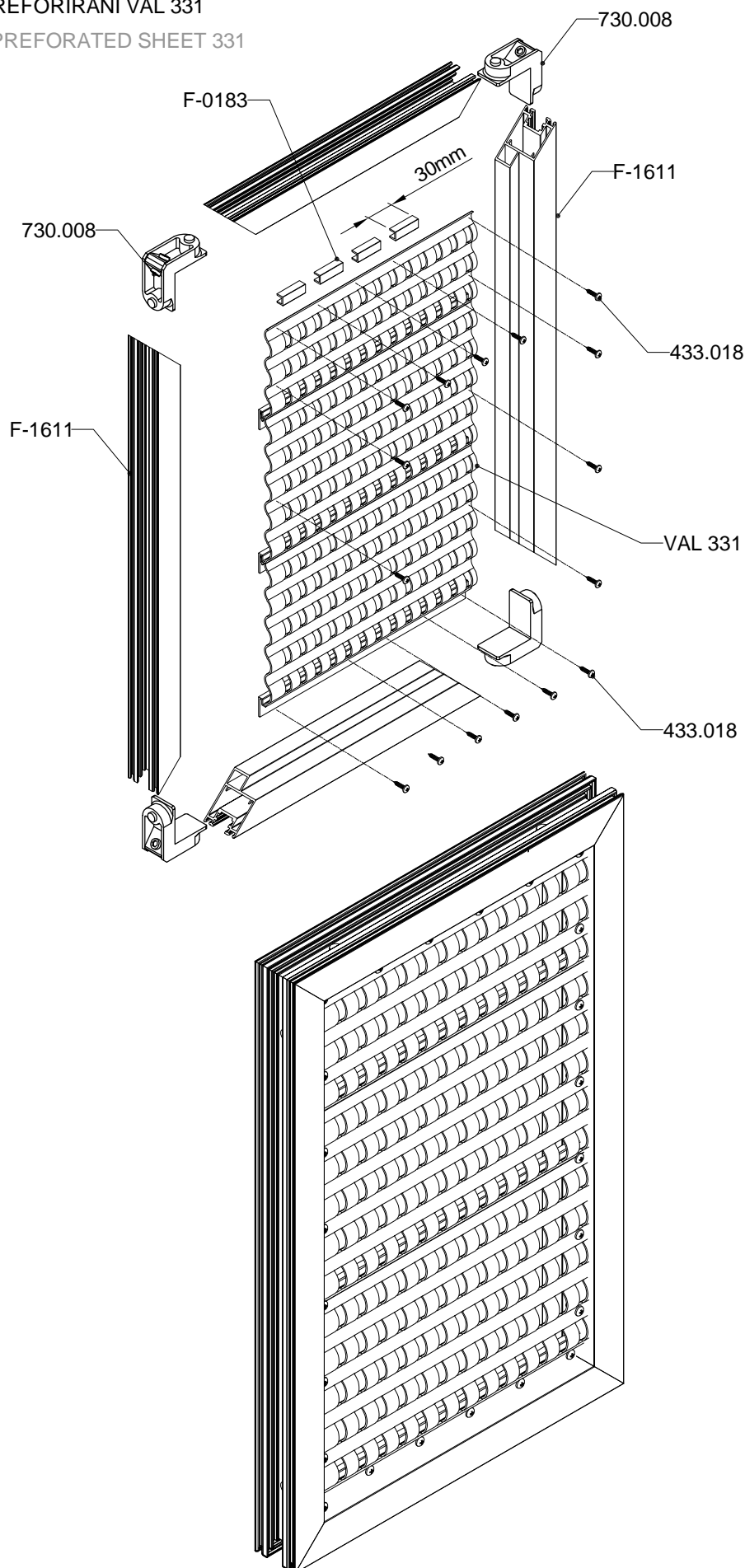
NAČIN UGRADNJE ISPUNE B  
METHOD OF THE INFILL INSTALLATION B

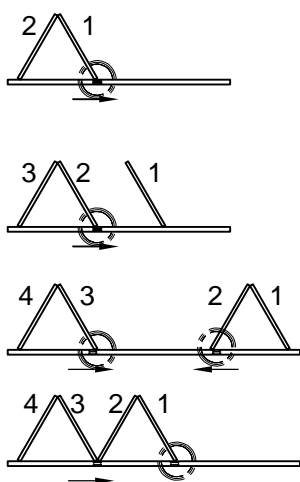
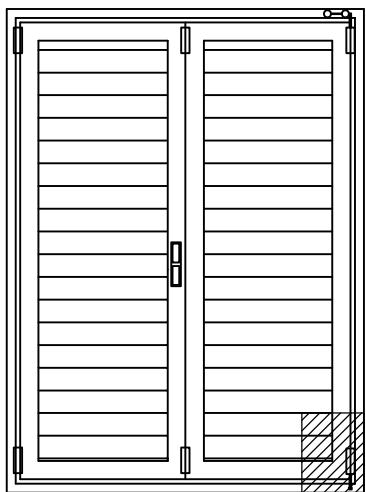


NAČIN PERFORACIJE LIMA VAL 331  
METHOD OF PERFORATING SHEET VAL 331



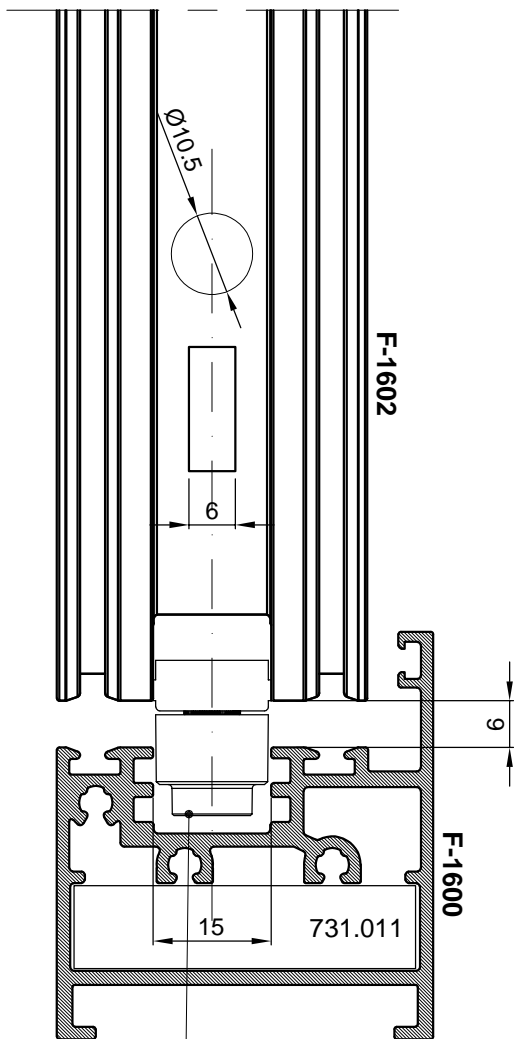
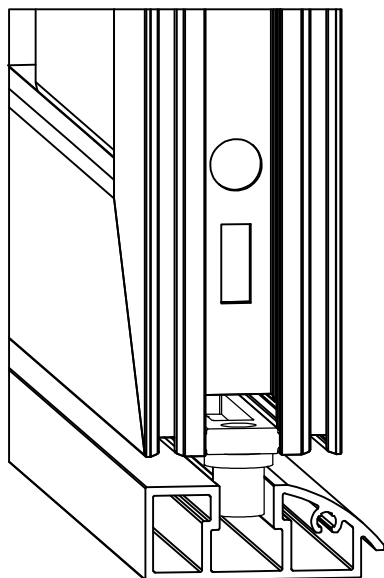
FIKSNA GRILJA PREFORIRANI VAL 331  
FIXED SHUTTER PREFORATED SHEET 331



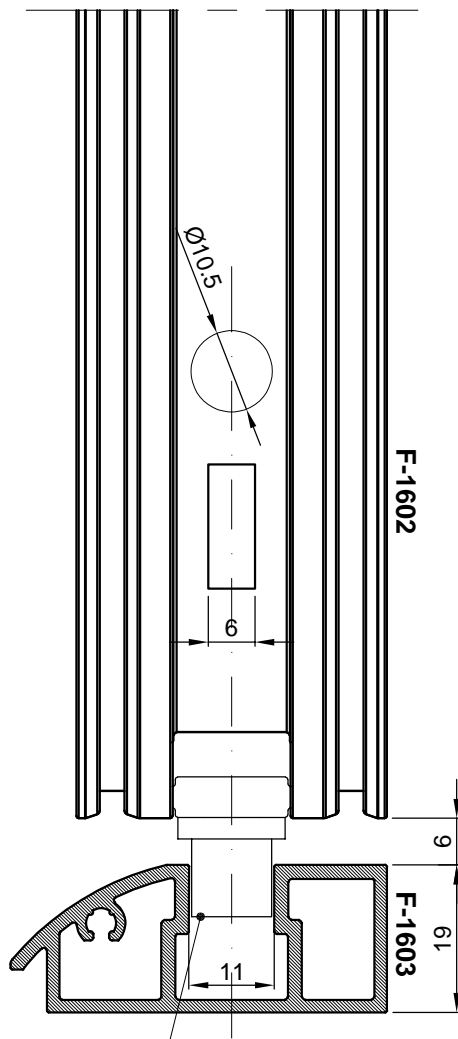


Pratilica za parna krila 140.076  
(2+0;2+1;2+2;4+0;6+0).  
Visinu pratilice podesiti pri montaži  
prema zadanim kotama.

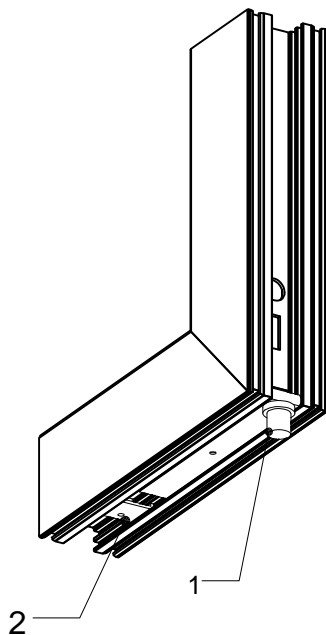
Lower guide for even sash 141.076  
(2+0;2+1;2+2;4+0;6+0).  
Height of lower guide adjust at montage  
to default quote.



Pratilica za  
parna krila 140.083  
Rapid lower hinge  
for even sash 140.083



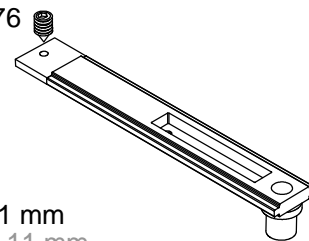
Pratilica za  
parna krila 140.076  
Rapid lower hinge  
for even sash 140.076



Umetnuti pratilicu (1), zatim umetak(2),  
i stegnuti vijak.

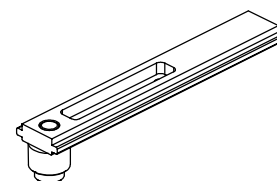
Insert lower rapid hinge for even  
sash(1) and then insert the block element  
and then tighten the screw

art. 140.076

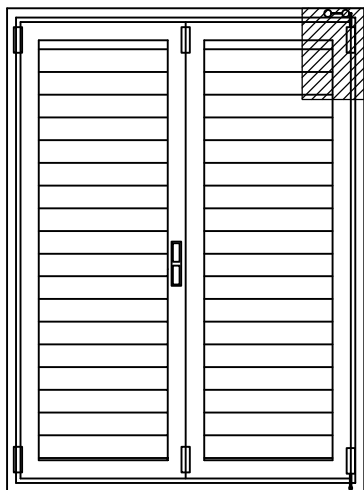


za žlijeb 11 mm  
for groove 11 mm

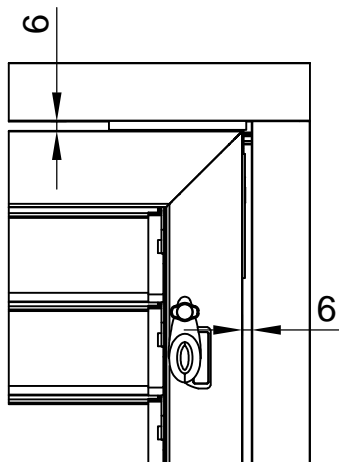
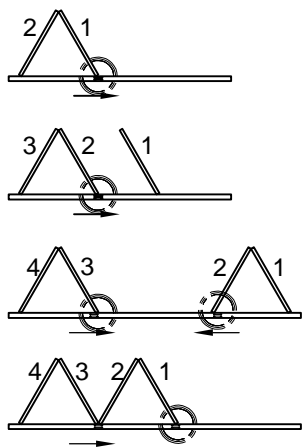
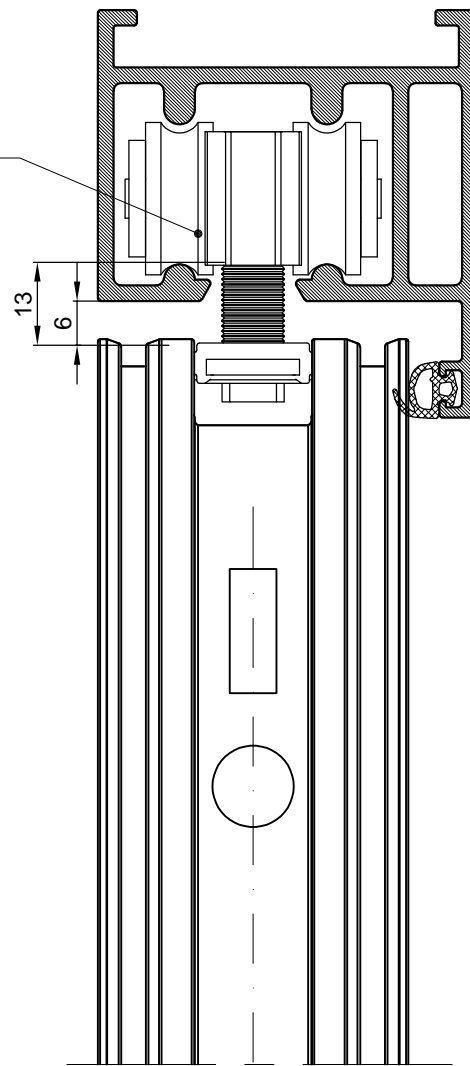
art. 140.083



za žlijeb 15mm  
for groove 15mm



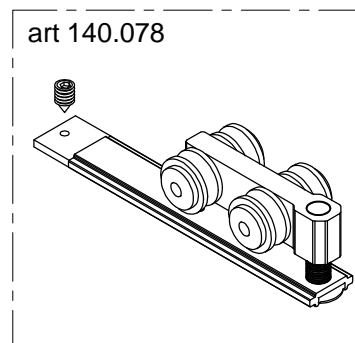
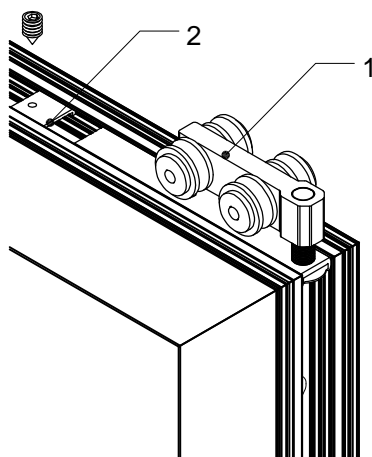
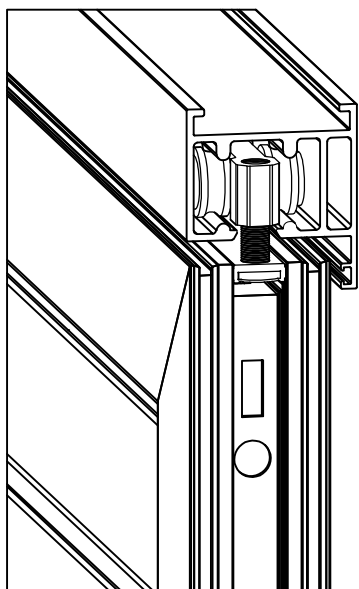
Kolica za parna krila 140.078  
Rapid upper hinge  
for even sash 140.078



Kolica za parna krila 140.078(2+0;2+1;2+2;4+0;6+0).  
Visinu kolica podesiti pri montaži prema zadanim kotama.

Rapid upper hinge for even sash 140.078 (2+0;2+1;2+2;4+0;6+0).  
Adjust the height of Rapid upper hinge the  
montage according to the drawings

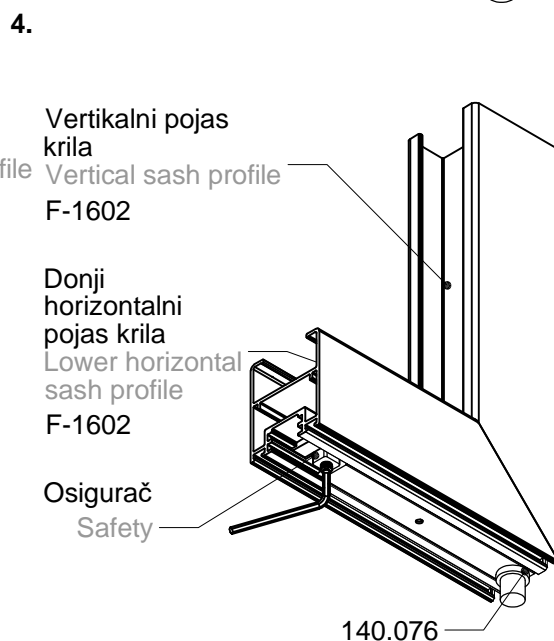
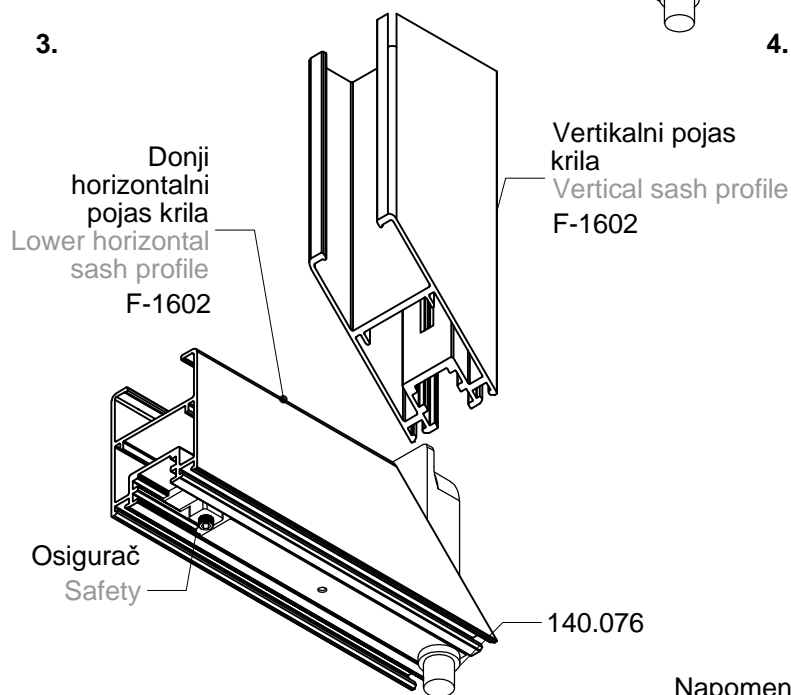
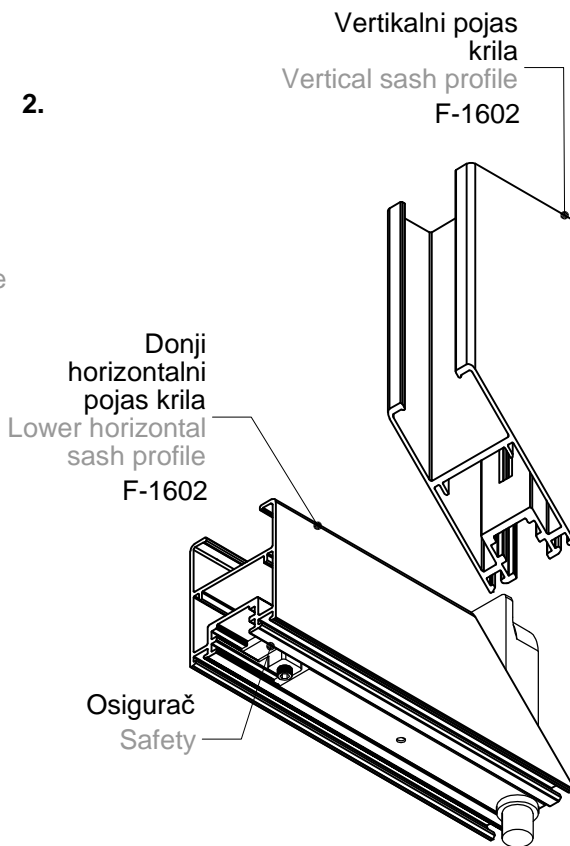
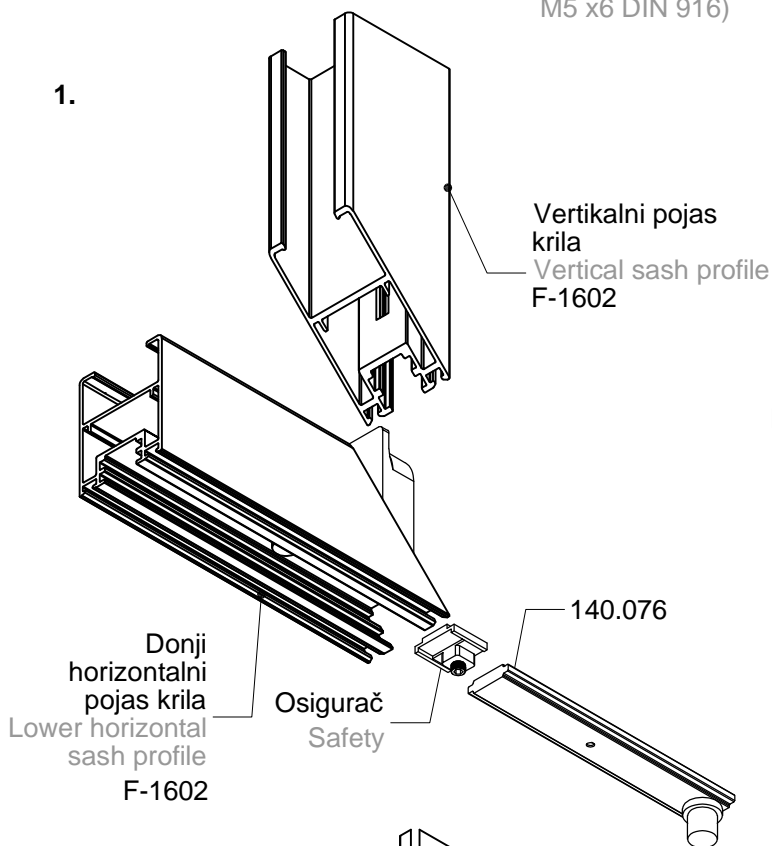
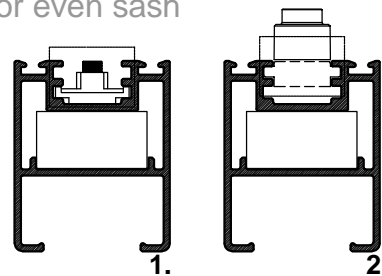
Umetnuti kolica (1), zatim umetak(2),  
i stegnuti vijak.  
Insert upper rapid hinge for even  
sash(1) and then insert the block element  
and then tighten the screw



## Montaža pratilice za parna krila Montage the lower rapid hinge for even sash

1. U donji horizontalni pojas krila umetnuti osigurač za fiksiranje (set 140.076)
2. Zatim umetnuti kolica 140.076 u donji horizontalni pojas krila F-1602
3. Spojiti horizontalni i vertikalni pojas krila
4. Pratilicu gurnuti u krajnji položaj i stegnuti osigurač (vijak M5 x6 DIN 916)

1. In the lower horizontal sash profile insert set for fix(set 140.076)
2. Then insert the lower block for folding opening 140.076 in the lower horizontal sash profile F-1602
3. Connection the vertical sash profile and the lower horizontal sash profile
4. The lower block pull in the externally position and tighten safty element(screw M5 x6 DIN 916)

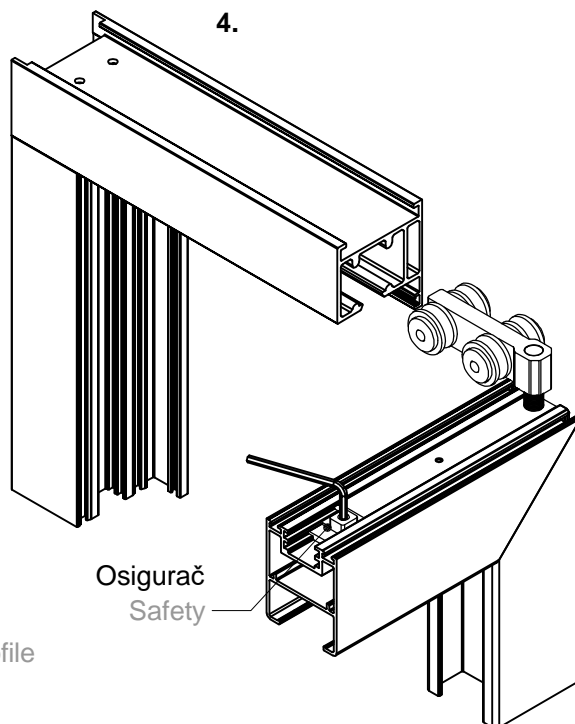
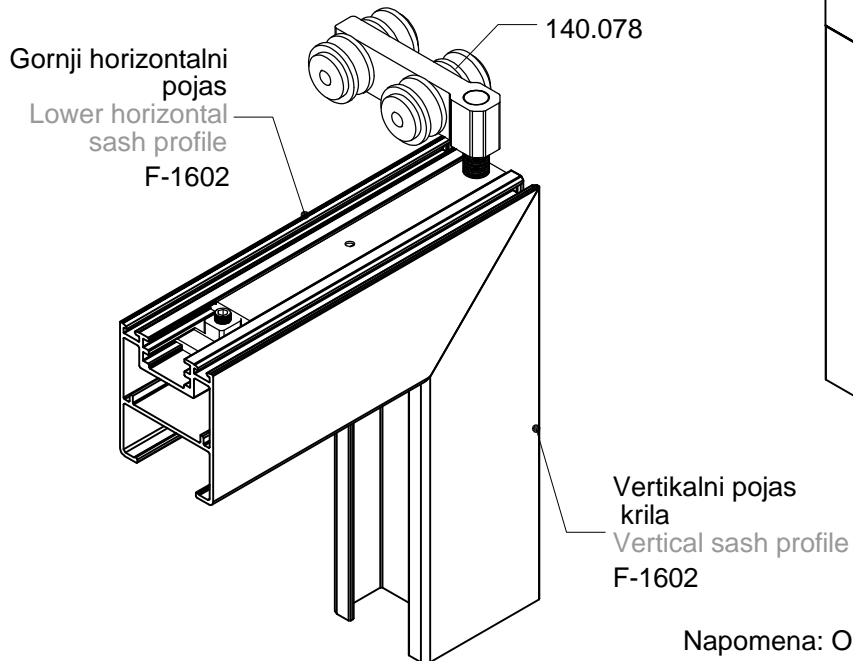
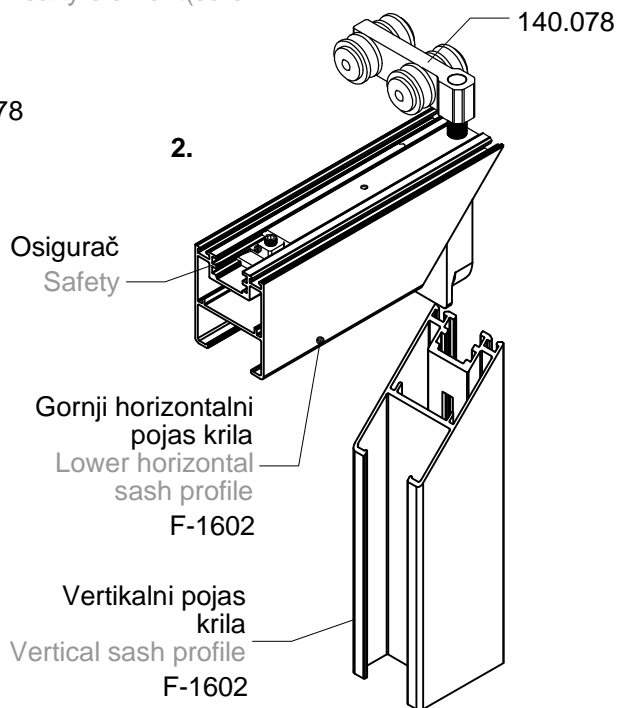
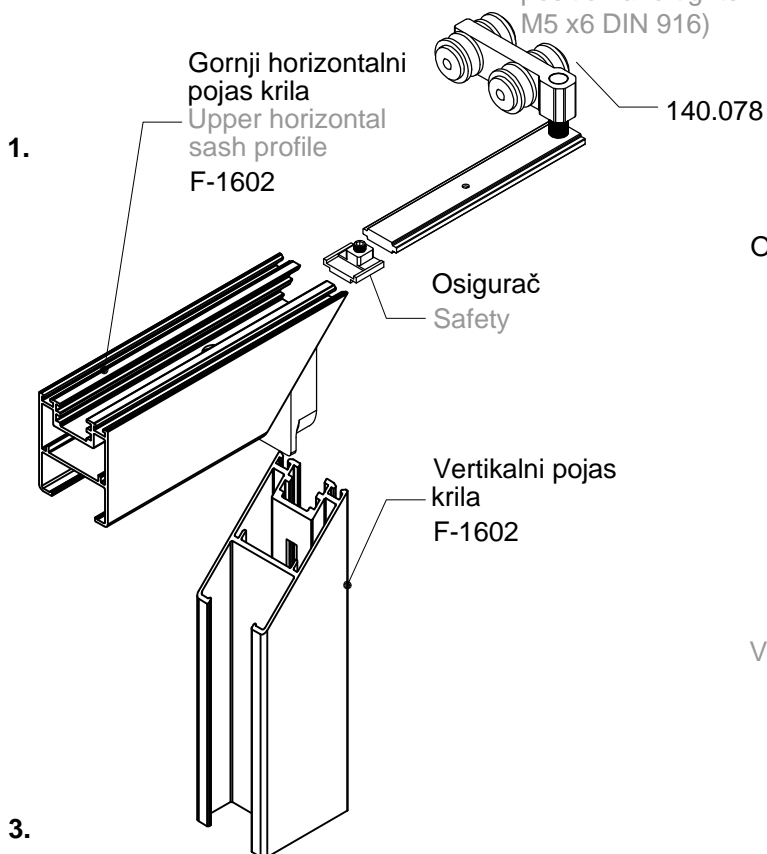
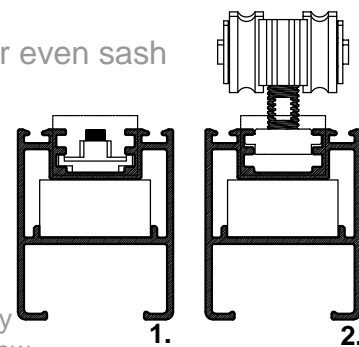


Napomena: OKOVE UMETNUTI U GORNJI I DONJI HORIZONTALNI POJAS KRILA, ZATIM KRILO SASTAVITI

## Montaža kolica za parna krila Montage the upper rapid hinge for even sash

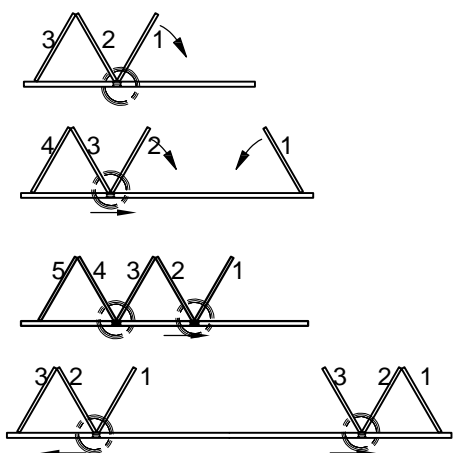
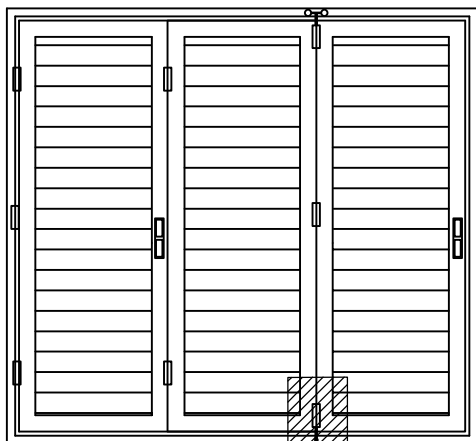
1. U gornji horizontalni pojas krila umetnuti osigurač za fiksiranje (set 140.078)
2. Zatim umetnuti kolica 140.078 u gornji horizontalni pojas krila F-1602
3. Spojiti horizontalni i vertikalni pojas krila
4. Kolica gurnuti u krajnji položaj i stegnuti osigurač (vijak M5 x6 DIN 916)

1. In the upper horizontal sash profile insert set for fix(set 140.078)
2. Then insert the upper block for folding opening 140.078 in the upper horizontal sash profile F-1602
3. Connection the vertical sash profile and the upper horizontal sash profile
4. The upper block pull in the externally position and tighten safty element(screw M5 x6 DIN 916)



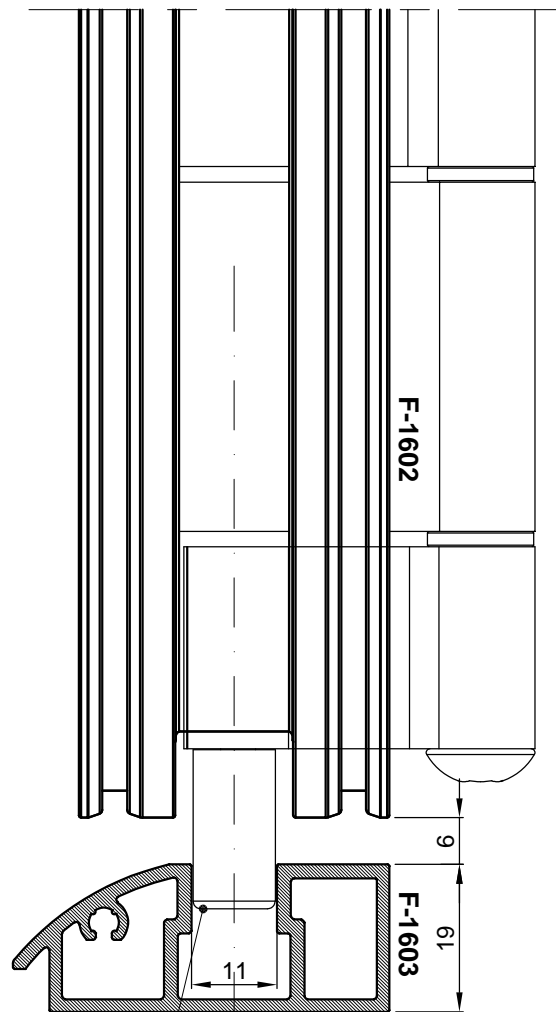
Napomena: OKOVE UMETNUTI U GORNJI I DONJI HORIZONTALNI POJAS KRILA, ZATIM KRILO SASTAVITI

## Montaža pratilice za neparna krila

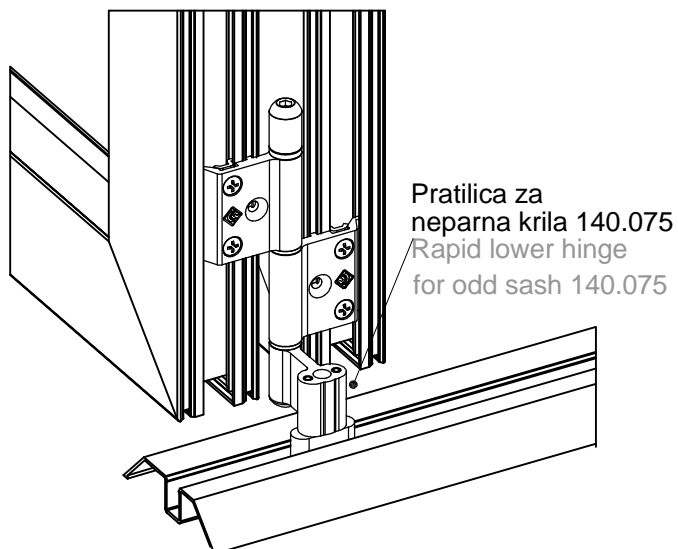


Pratilica 140.075 koristi se za neparna krila istih dimenzija(3+0;3+1;5+0;3+3). ili kao pomoćna kod parnih krila za žlijeb 11mm

Rapid lower hinge 140.075 used for the odd sash equal dimension(3+0;5+0;3+3), or auxiliary at even sashes. eg.(4+0) for groove 11 mm

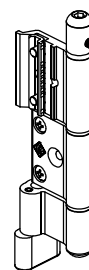


Pratilica za neparna krila 140.075  
Rapid lower hinge for odd sash 140.075



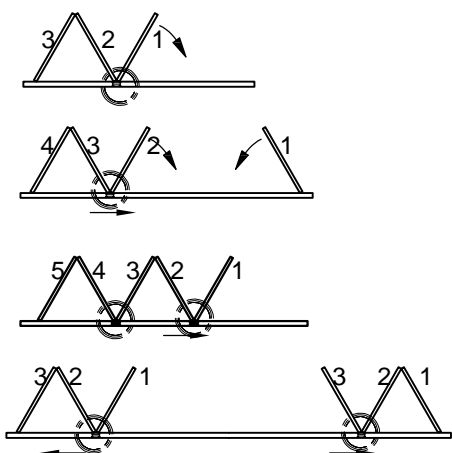
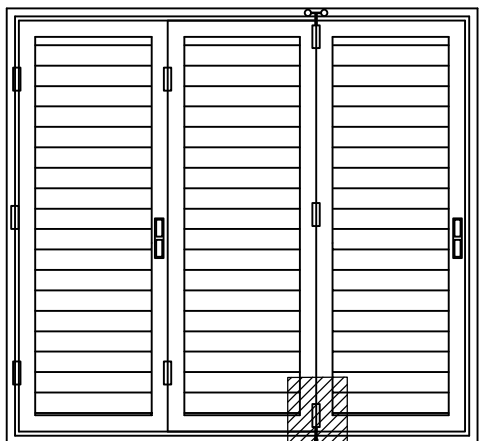
Pratilica za neparna krila 140.075  
Rapid lower hinge for odd sash 140.075

art 140.075



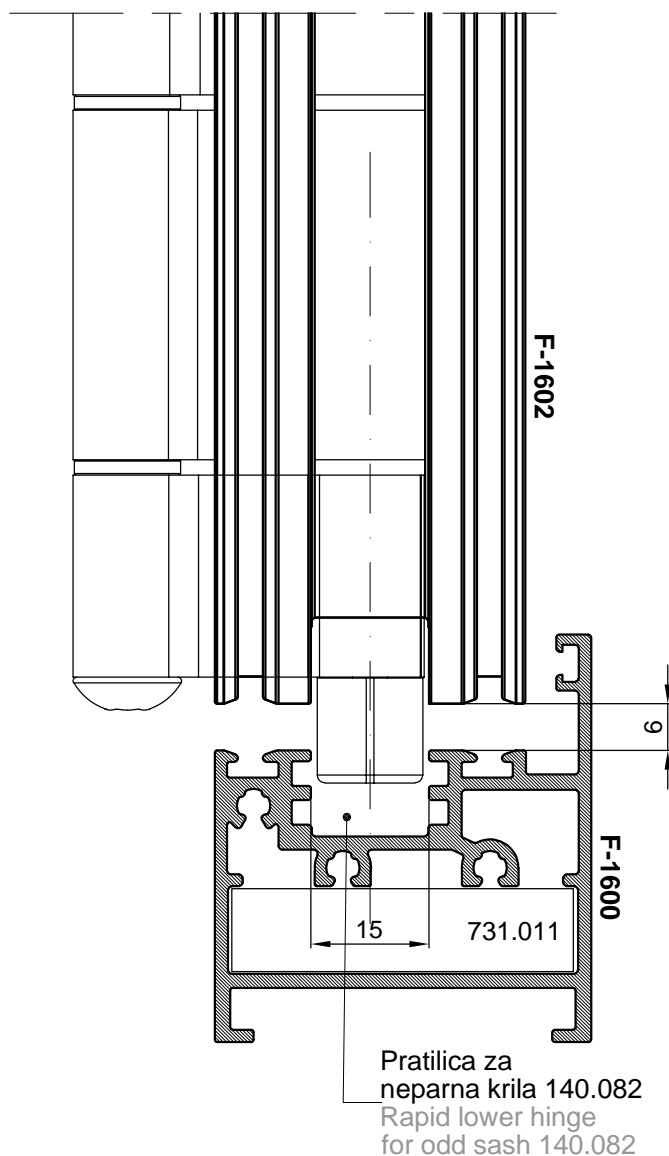
za žlijeb 11 mm  
for groove 11 mm

## Montaža pratilice za neparna krila

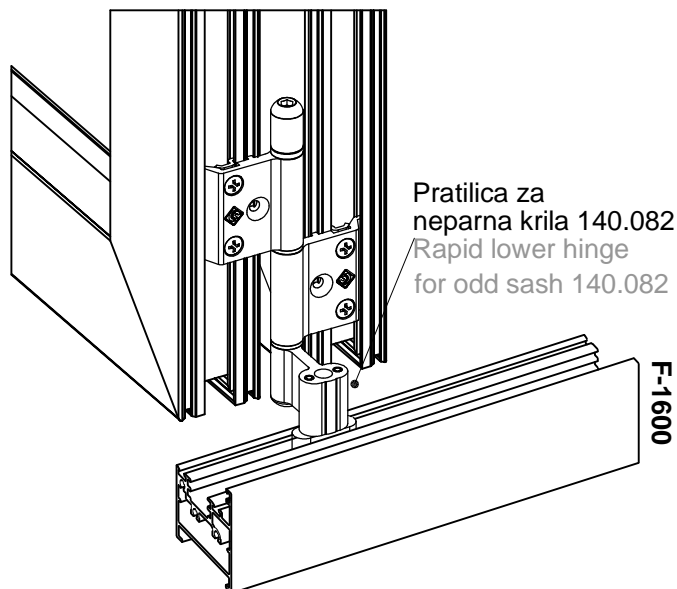


Pratilica 140.075 koristi se za neparna krila istih dimenzija (3+0; 3+1; 5+0; 3+3) ili kao pomoćna kod parnih krila za žlijeb 15mm

Rapid lower hinge 140.075 used for the odd sash equal dimension (3+0; 5+0; 3+3), or auxiliary at even sashes. eg. (4+0) for groove 15 mm



Pratilica za neparna krila 140.082  
Rapid lower hinge for odd sash 140.082

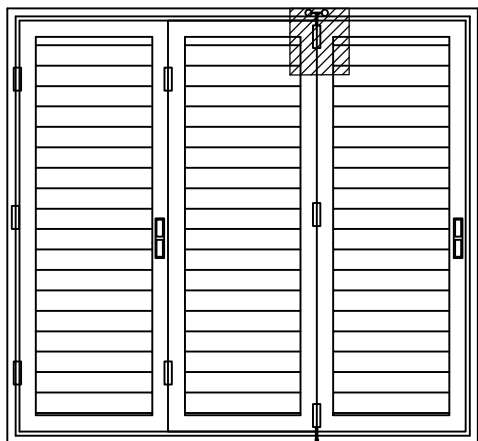


Pratilica za neparna krila 140.082  
Rapid lower hinge for odd sash 140.082



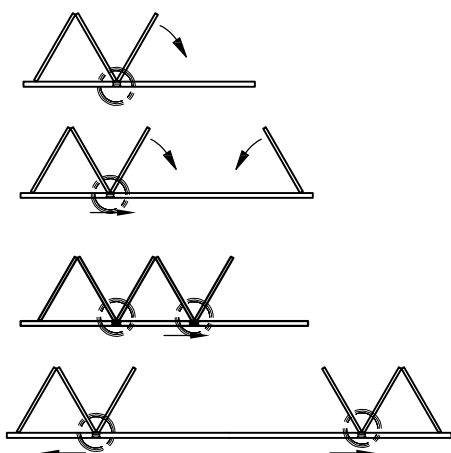
za žlijeb 15 mm  
for groove 15 mm

## Montaža kolica za neparna krila

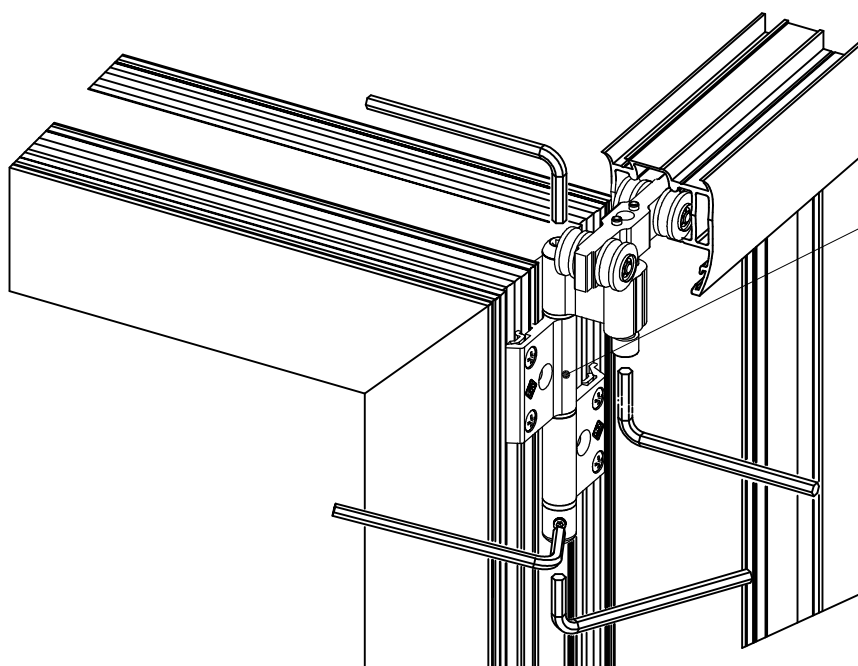
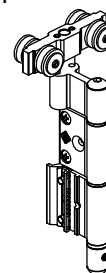


Kolica 140.074 koriste za neparna krila jednake širine (3+0;3+1;5+0;3+3), ili kao pomoćna kod parnih krila Npr:(4+0)

Rapid upper hinge 140.074 used for the odd sash equal width(3+0;3+1;5+0;3+3), or auxiliary at even sashes. eg.(4+0)



art 140.074



Kolica za neparna krila  
140.074  
Upper rapid hinge for odd sash  
140.074

## Obrada za umetanje kolica kod parih krila

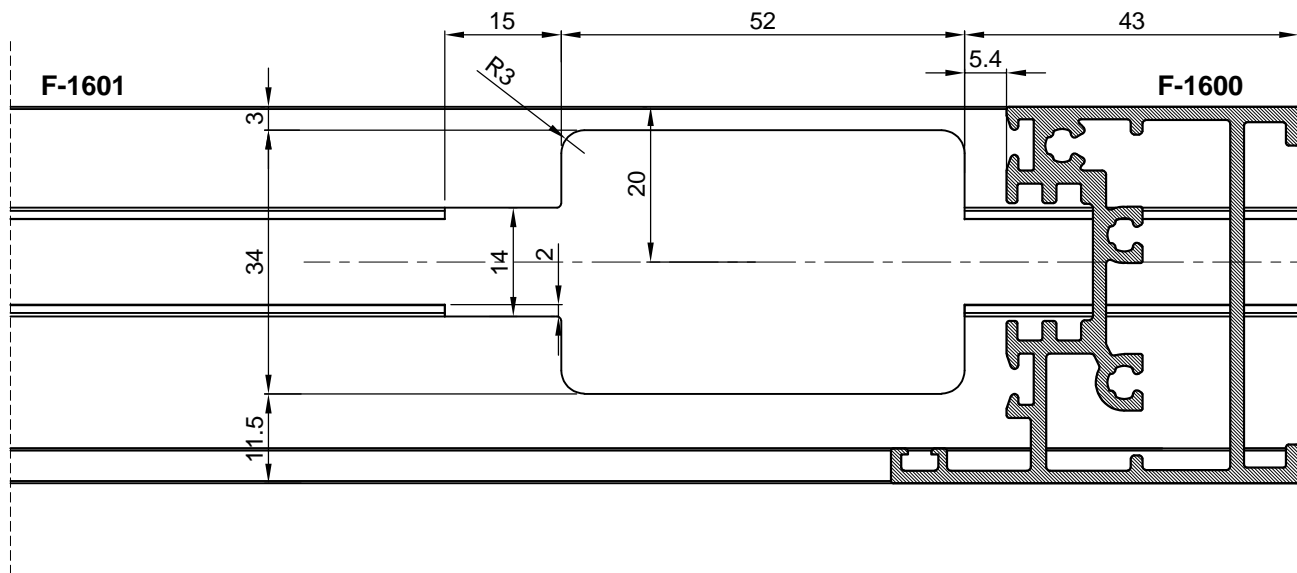
Obrada profila F- 1601 prema vertikalnom pojasu rama F-1600,  
za umetanje ili zamjenu kolica.

Za parna krila

Processing profile F-1601 to the profile F-1600 for

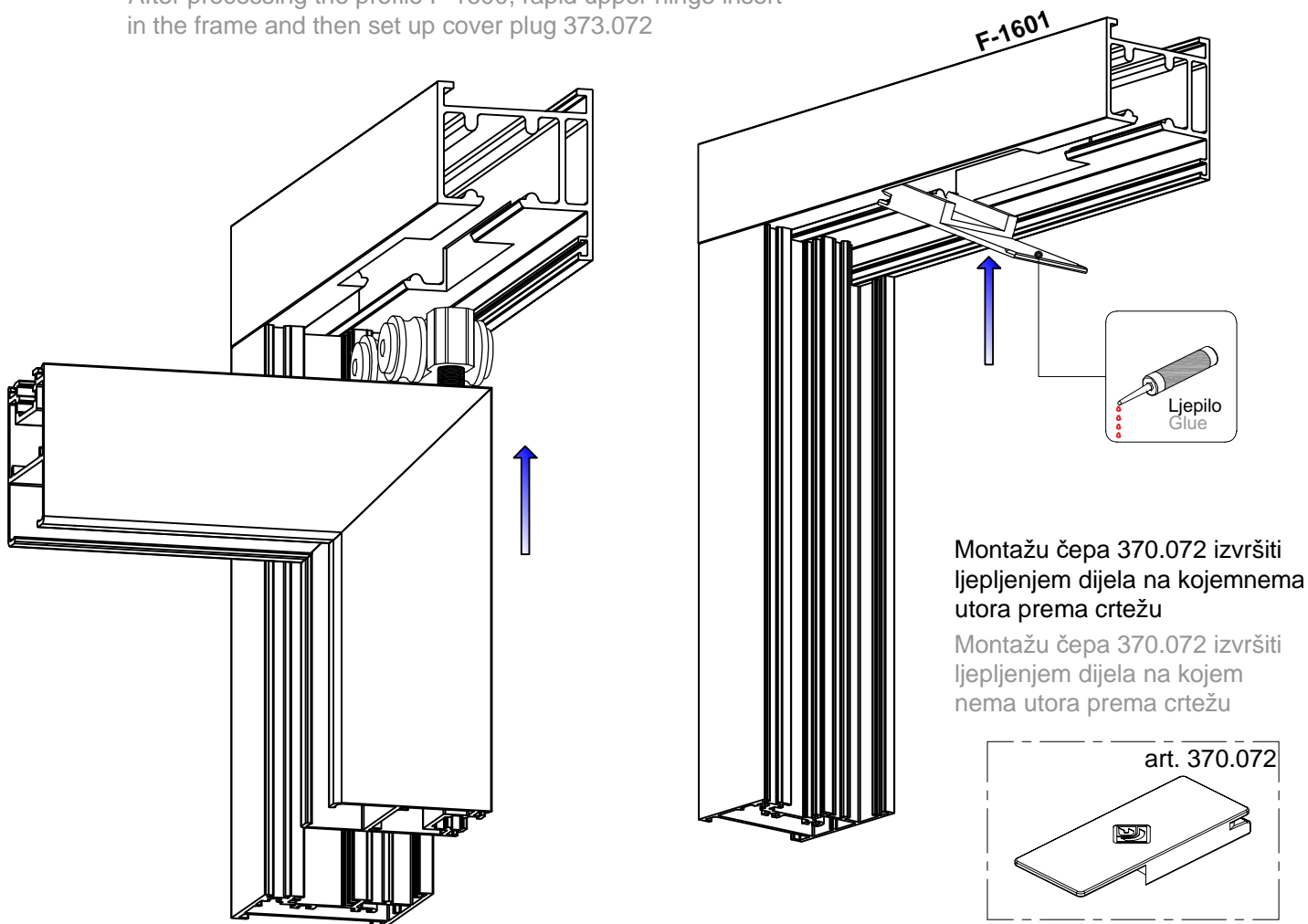
Inserting or changed rapid upper hinge

For even sash



Nakon obrade profila F-1600, kolica s krilom umetnuti  
u ram zatim staviti poklopac 370.072

After processing the profile F-1600, rapid upper hinge insert  
in the frame and then set up cover plug 373.072



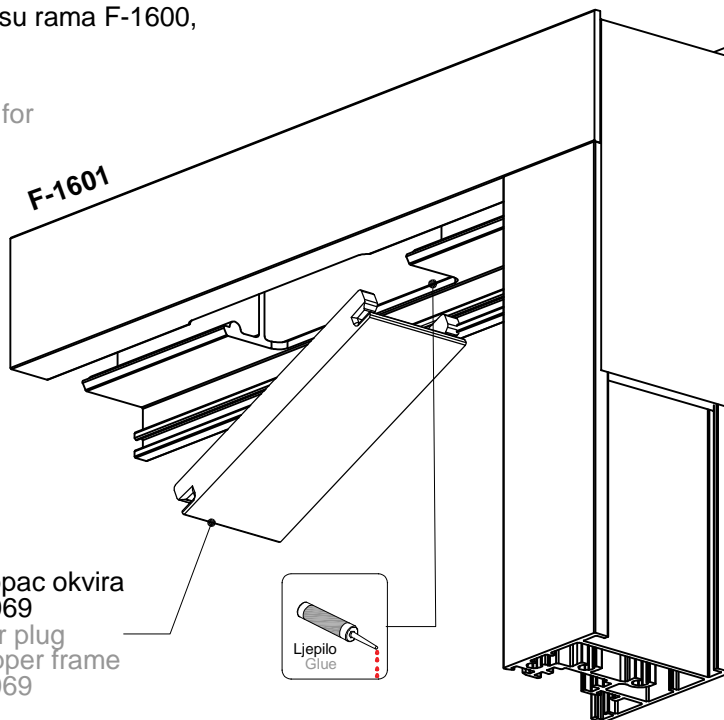
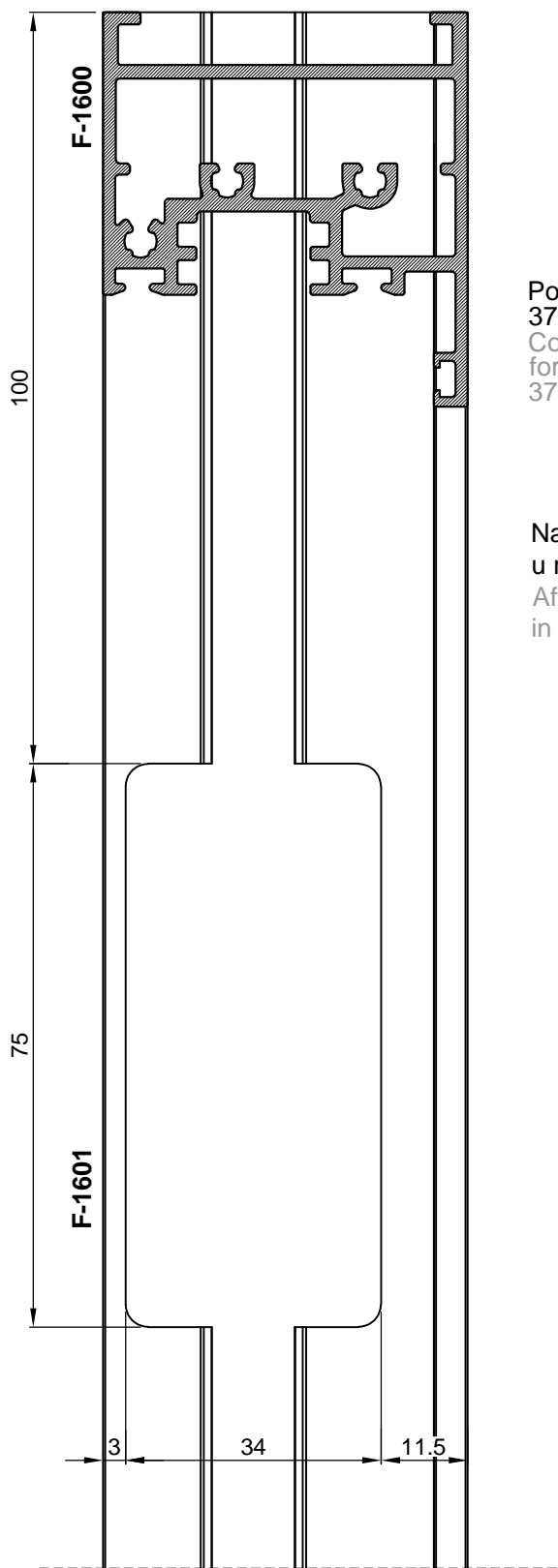
Obrada profila F- 1601 prema vertikalnom pojasu rama F-1600,  
za umetanje ili zamjenu kolica.

Za neparna krila

Processing profile F-1601 to the profile F-1600 for

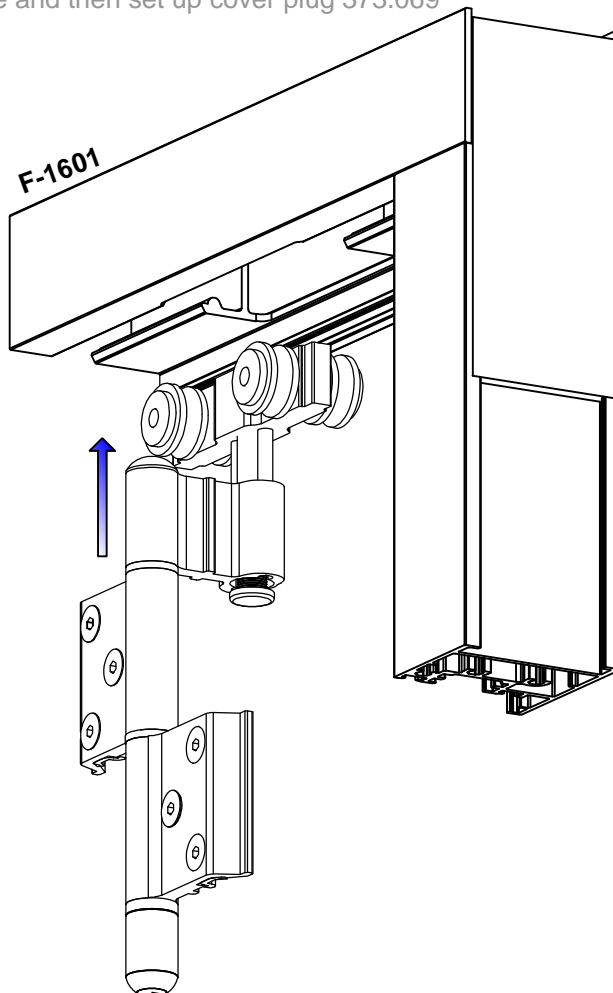
Inserting or changed rapid upper hinge

For odd sash

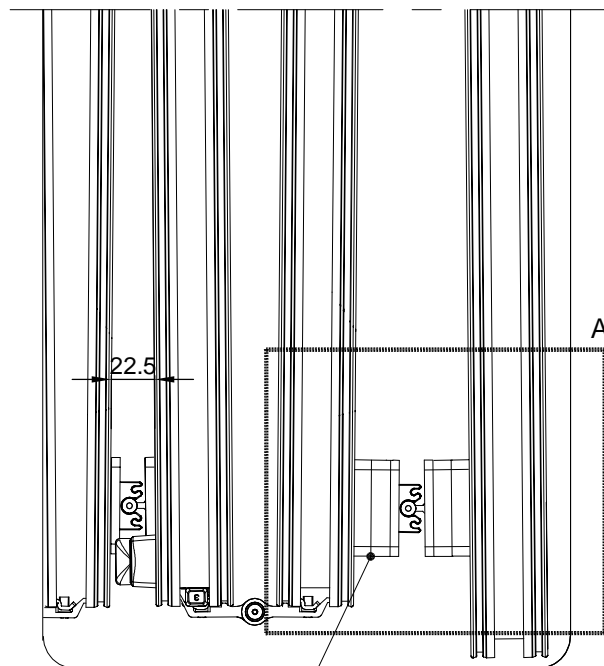
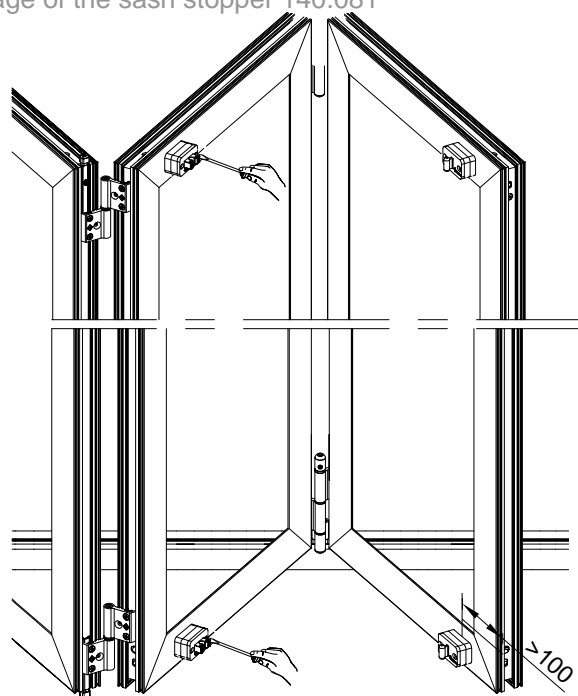


Nakon obrade profila F-1600, kolica s krilom umetnuti  
u ram zatim staviti poklopac 370.069

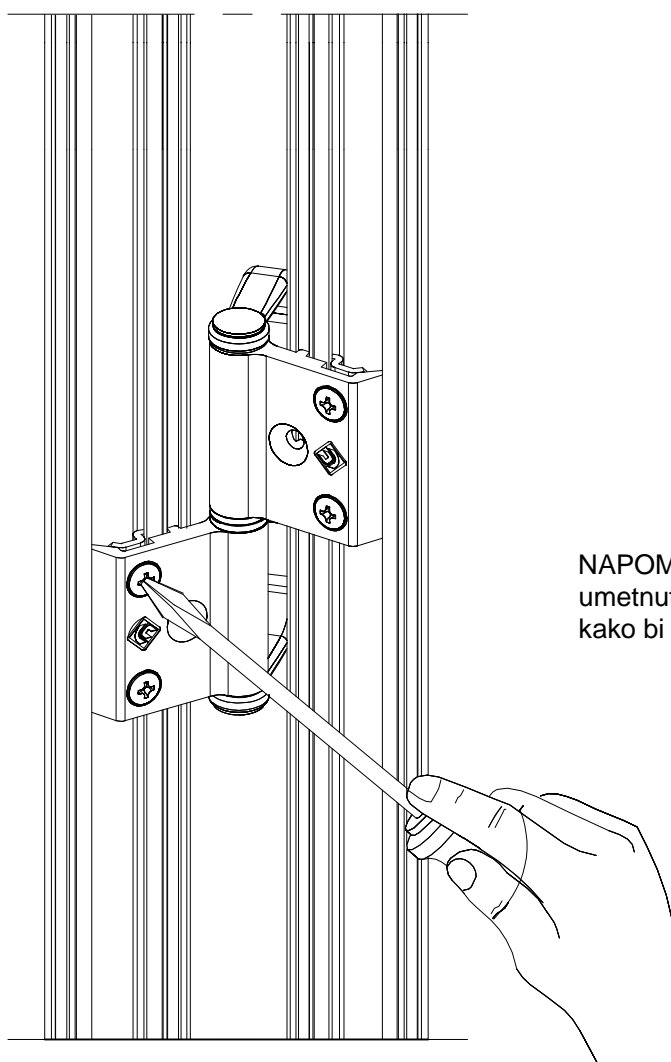
After processing the profile F-1600, rapid upper hinge insert  
in the frame and then set up cover plug 373.069



Montaža stopera za parna krila 140.081  
Montage of the sash stopper 140.081

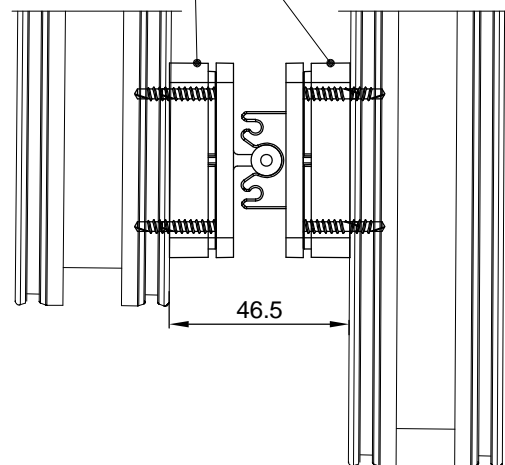


Montaža ručke s baglamom.  
Handle hinge installation



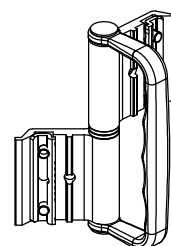
Kod parnih krila umetnuti  
ispod stopera dodatni odbojnik

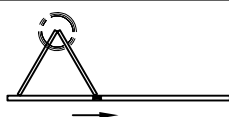
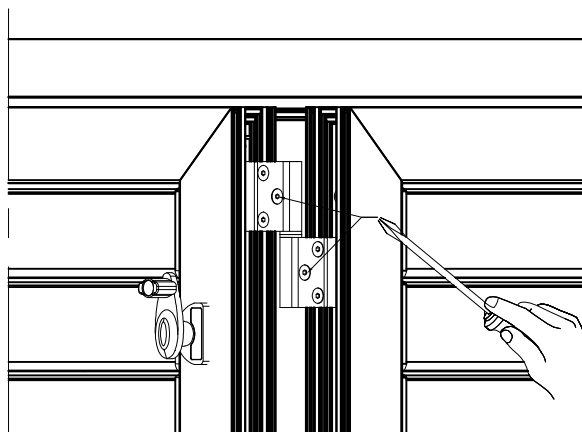
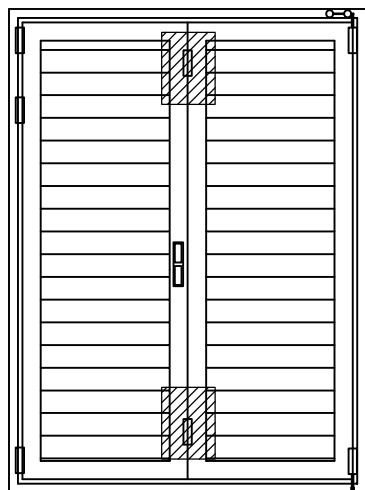
Detalj A  
M 1:2



NAPOMENA: Kod sheme gdje su parna krila (2+0,4+0,6+0,4+2...) umetnuti dodatni odbojnik ispod stopera na paru gdje je duže krilo kako bi se postigao odgovarajući položaj kolica kod otvaranja

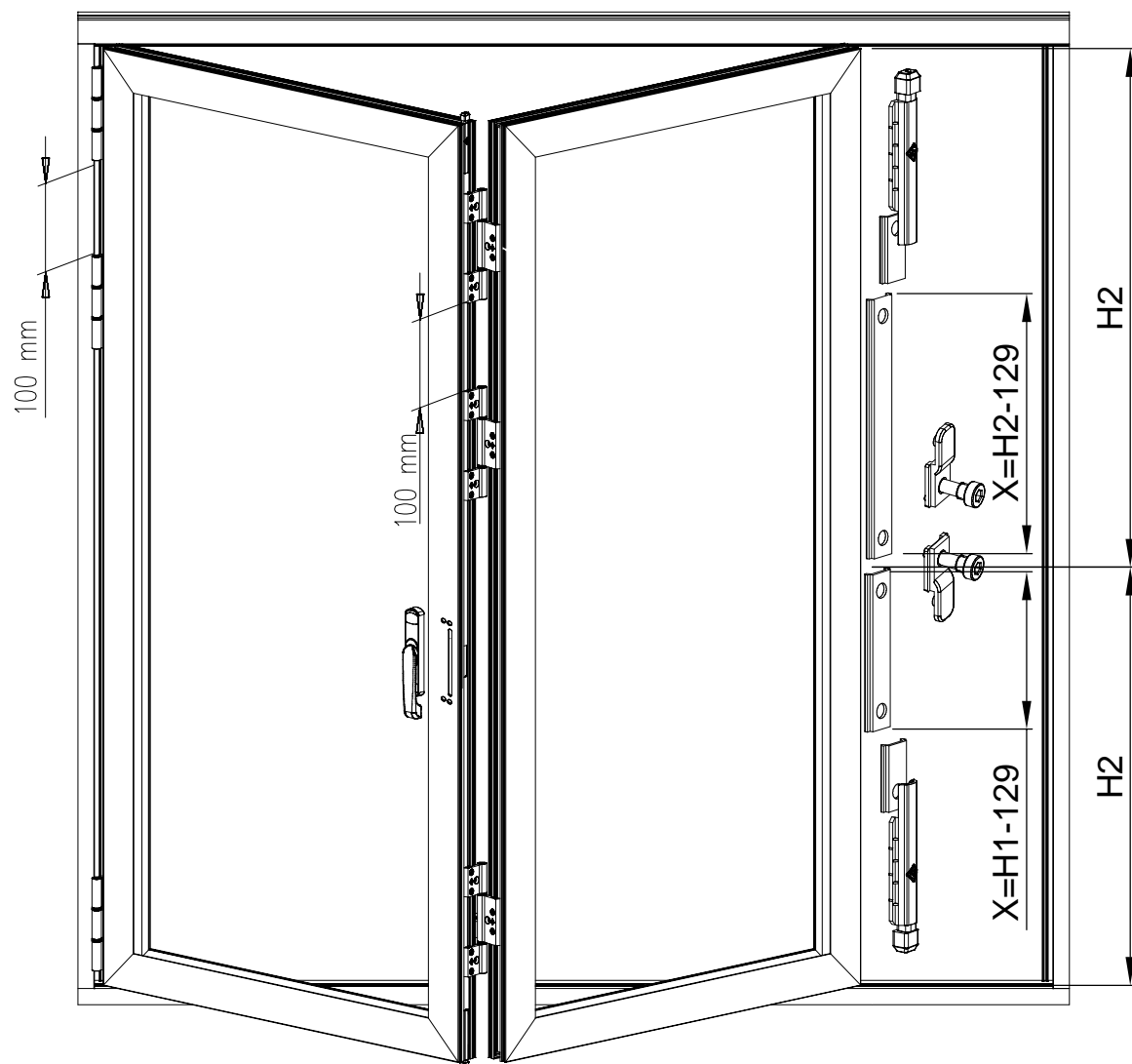
art 107.005

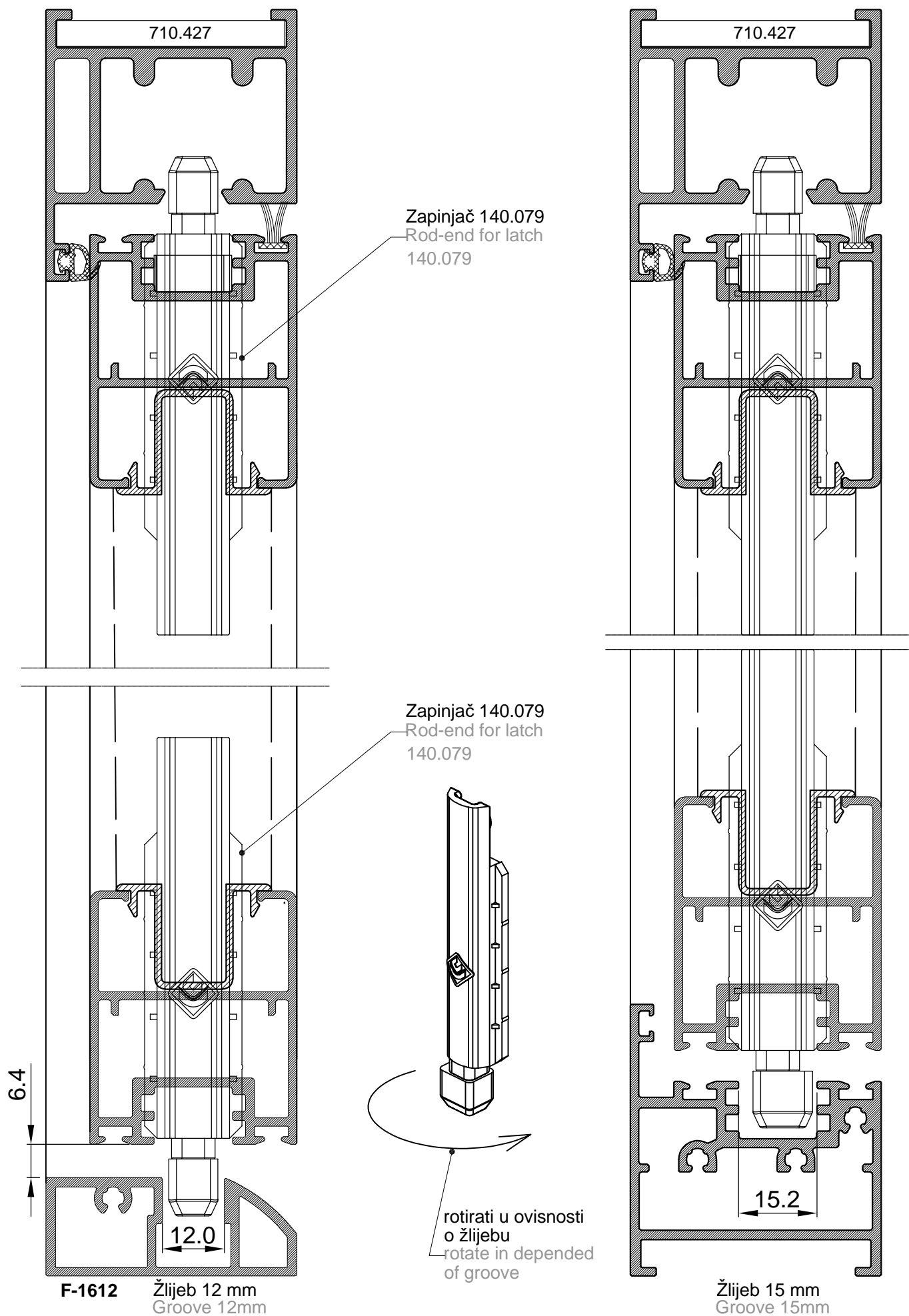




Montaža šarki. Spoj osigurati dodatnim vijkom 4.8x16 DIN 7982.  
Broj šarki odabrati u ovisnosti dimenzija krila.  
Vidi dijagram veličina.

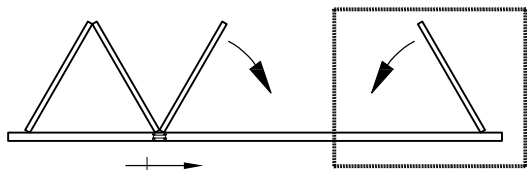
Montage hinges. Secure the joint with the additional screw 4.8x16DIN 7982.  
Select hinges depending on the size of the sash. Look at dimension chart.



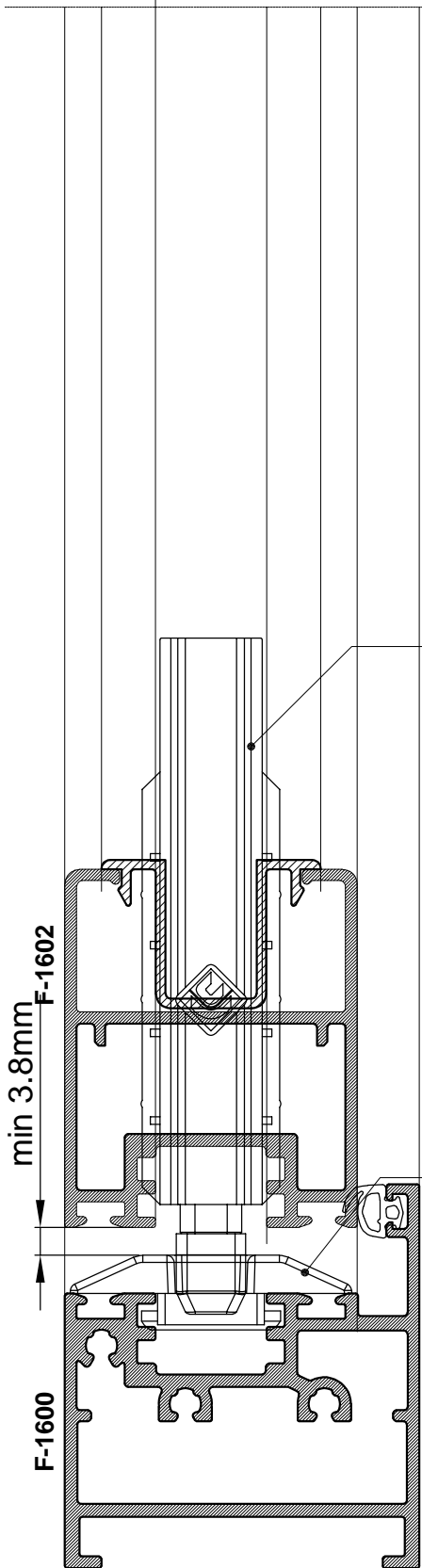
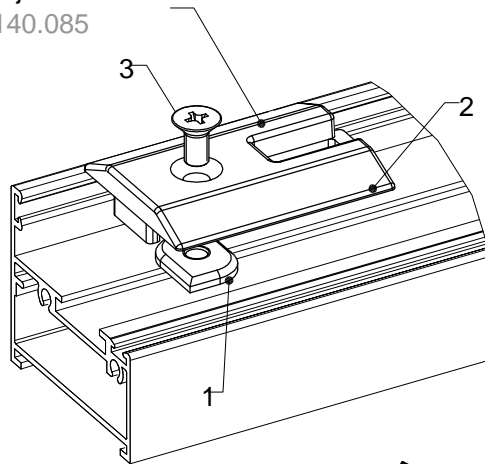


Montaža prihvatnika zapinjača za žlijeb 15 mm  
Montage of the latch keeper for groove 15mm

Umetnuti pin (1) u žlijeb zatim staviti pločicu(2) i stegnuti vijak(3).  
Insert pin in the groove and then put Latch keeper and tighten the screw.



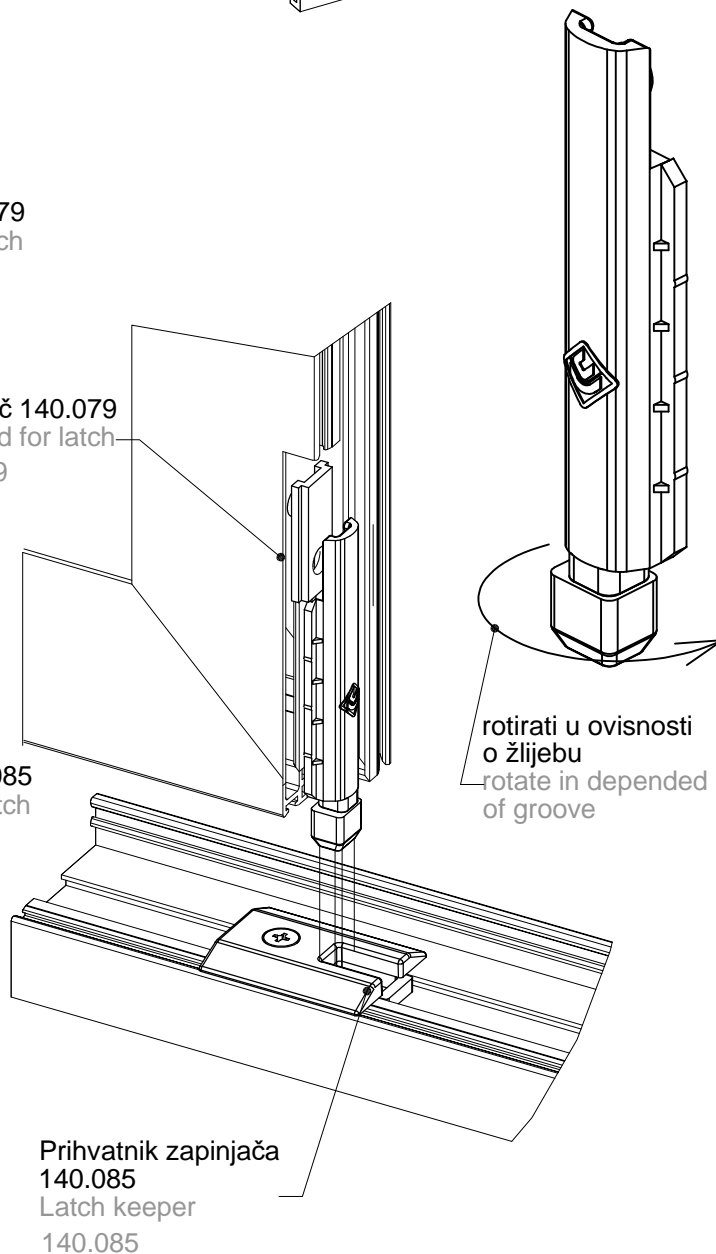
Prihvatnik zapinjača 140.085  
Latch keeper 140.085



Zapinjač 140.079  
Rod-end for latch  
140.079

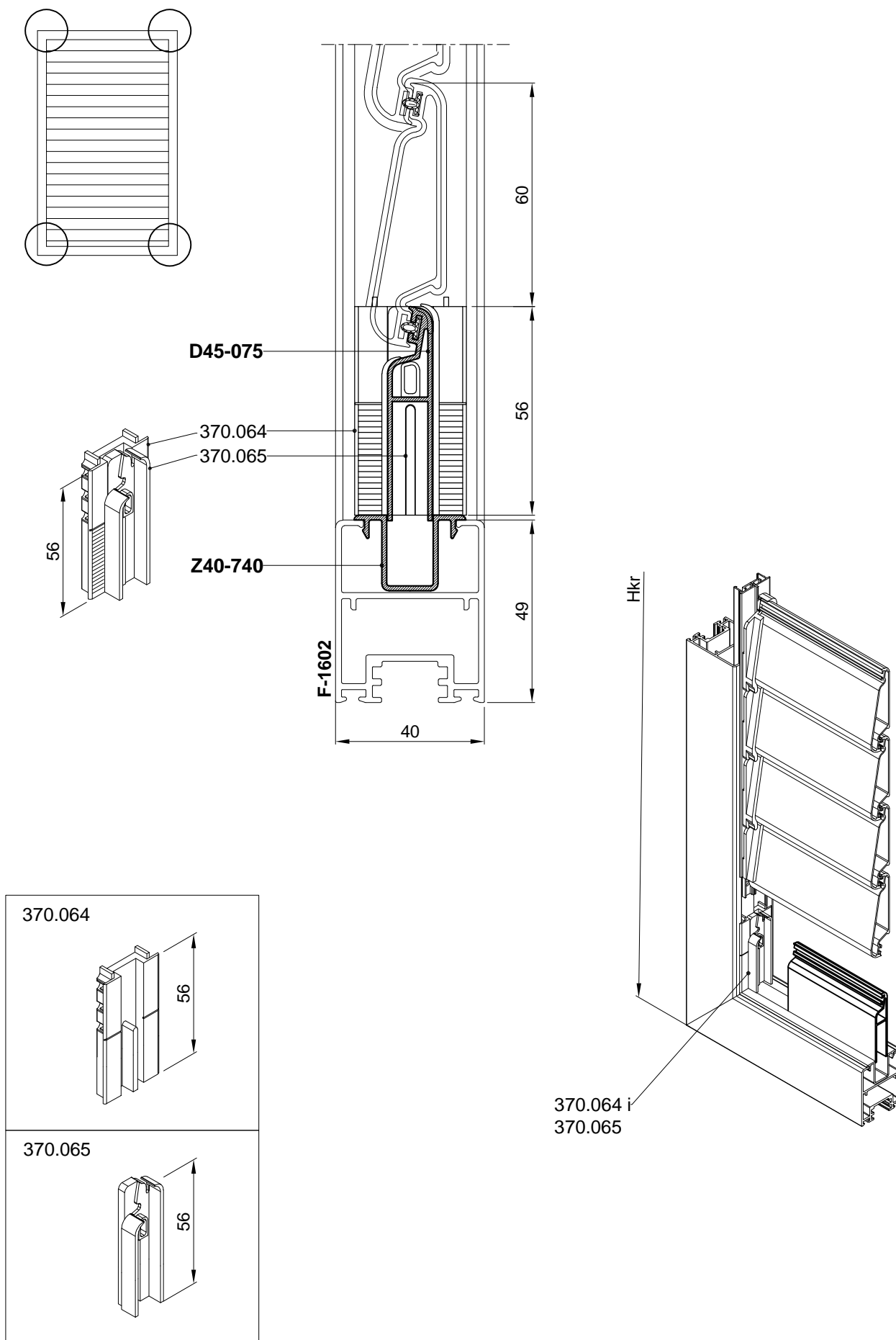
Zapinjač 140.079  
Rod-end for latch  
140.079

Zapinjač 140.085  
Rod-end for latch  
140.085



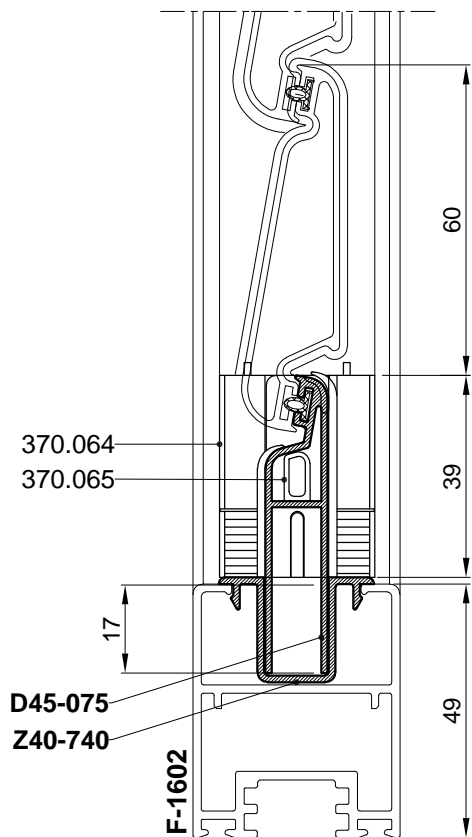
Prihvatnik zapinjača  
140.085  
Latch keeper  
140.085

Ugradnja početnog profila D45-075 s pripadajućim pvc umetcima u krilo grilje

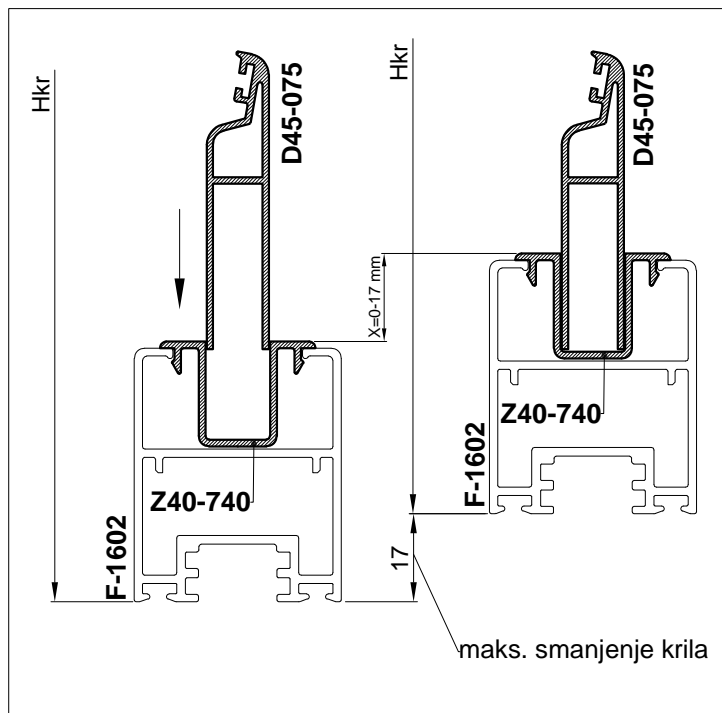


**PRVI KORAK - Smanjivanje krila od 0-34 mm:**

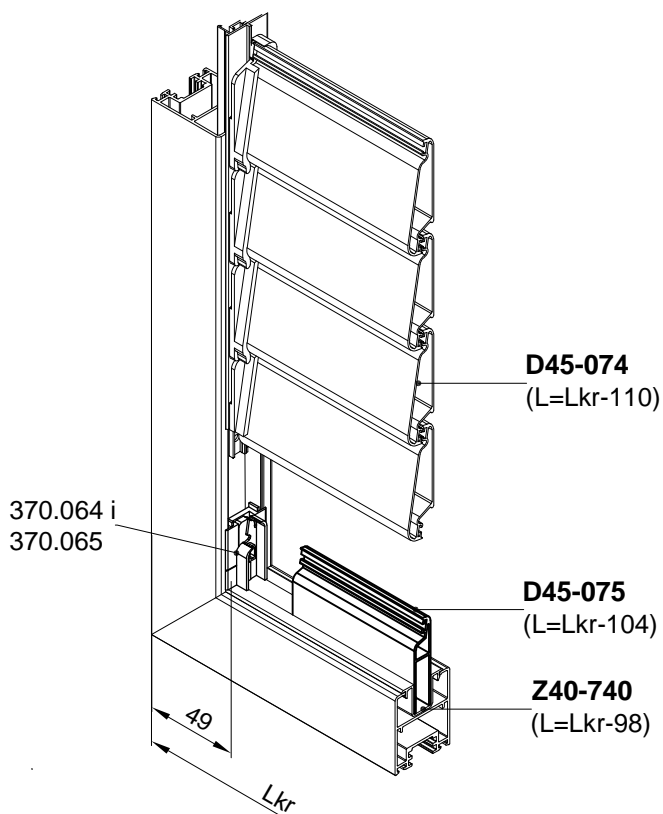
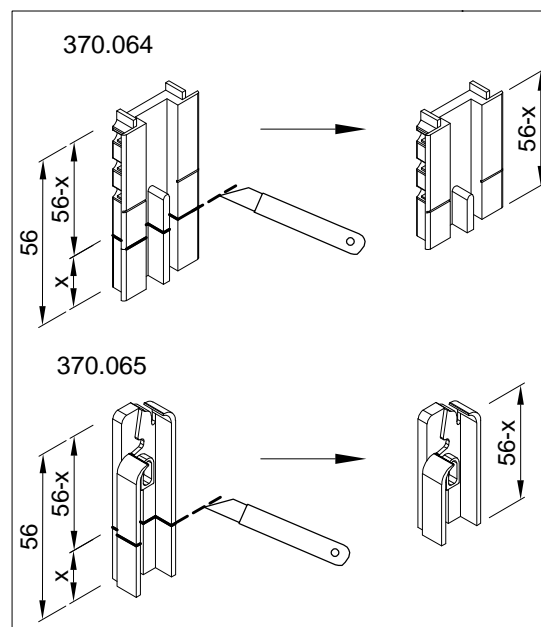
1. Pomjeranjem profila D45-075 u profilu Z40-740
2. Skraćivanje pvc umetaka 370.064 i 370.065



**1. Pomjeranje D45-075 u Z40-740 za  $x = 0-17$  mm**



**2. Skraćivanje pvc umetaka,  $x = 0-17$  mm**

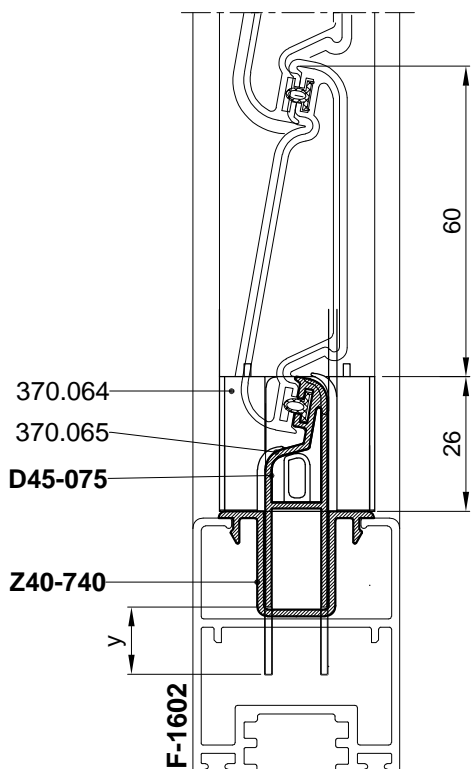


-Maksimalno smanjenje krila u prvom koraku:

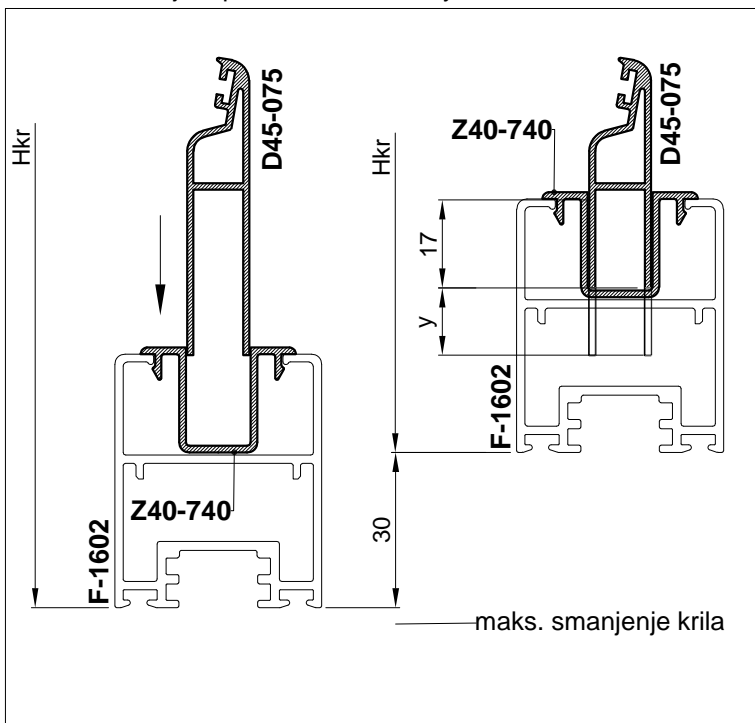
$$2 \times 17 \text{ mm} = 34 \text{ mm}$$

**DRUGI KORAK - Smanjivanje krila od 35-60 mm:**

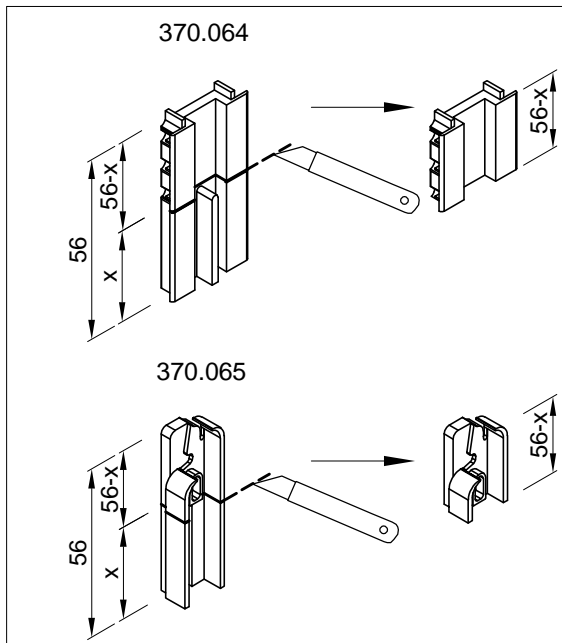
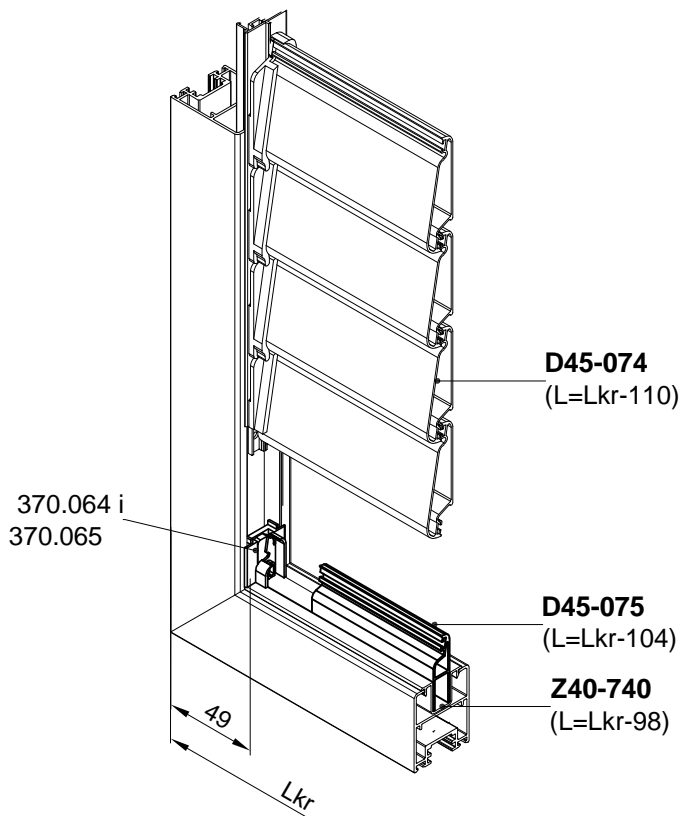
1. 1.1 Pomjeranjem profila D45-075 u profilu Z40-740 za 17 mm
- 1.2 Skraćivanjem profila D45-075 za  $y=0-13$  mm
2. Skraćivanje pvc umetaka 370.064 i 370.065



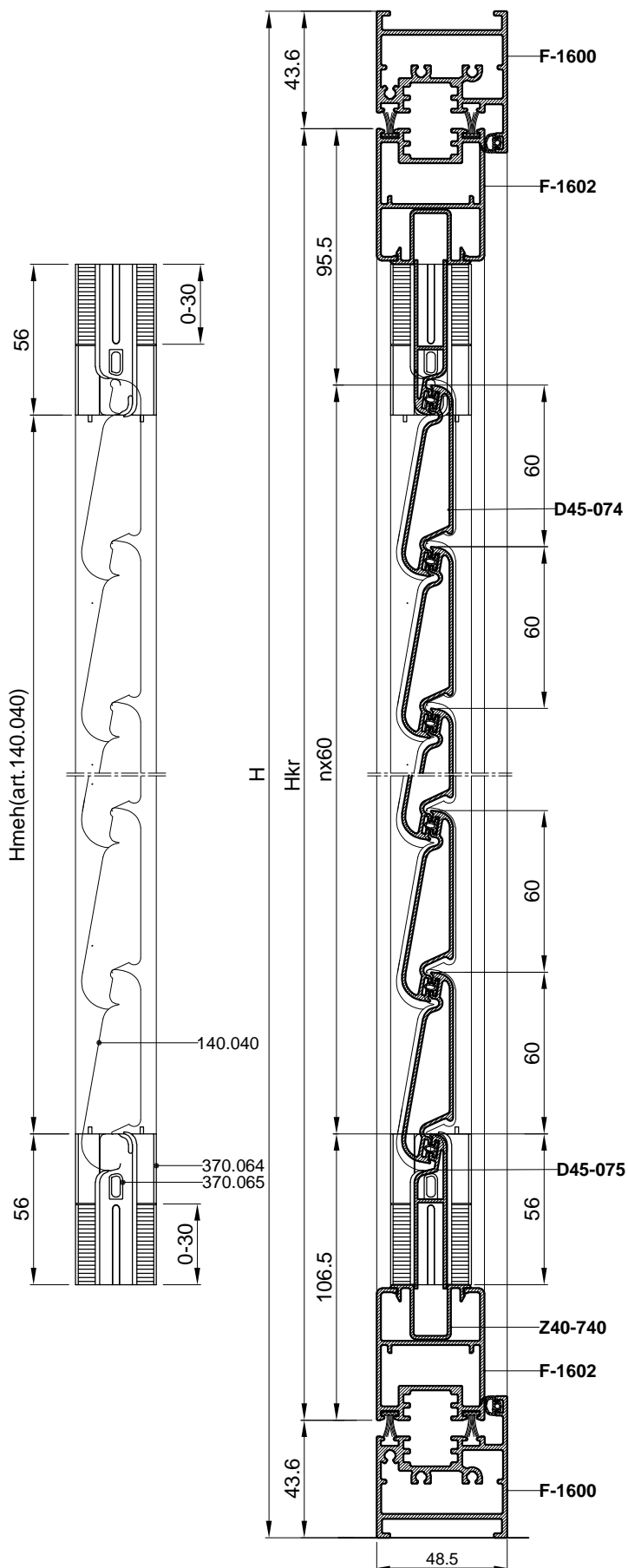
- 1.1 Pomjeranjem profila D45-075 u profilu Z40-740 za 17 mm
- 1.2 Skraćivanjem profila D45-075 za  $y=0-13$  mm



**2. Skraćivanje pvc umetaka,  $x = 0-30$  mm**



Ovisnost broja lamela (D45-074) o visini krila grilje  
-donji profil okvira rama - F-1600



Ovisnost broja lamela D45-074 o visini krila			
H[mm]= Hkr+87	Hkr [mm]	n [kom]	Hmeh[mm]
649*	562*	6	349
709*	622*	7	409
769*	682*	8	469
829*	742*	9	529
889*	802*	10	589
949*	862*	11	649
1009*	922*	12	709
1069*	982*	13	769
1129*	1042*	14	829
1189*	1102*	15	889
1249*	1162*	16	949
1309*	1222*	17	1009
1369*	1282*	18	1069
1429*	1342*	19	1129
1489*	1402*	20	1189
1549*	1462*	21	1249
1609*	1522*	22	1309

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (D45-074) se uzima prvi veći uz korekciju početnog i završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065

- Broj lamela (D45-074):  
 $n = (Hkr - 202) / 60$

- Hmeh = Hkr - 213

Primjer : (za Hkr = 1084 mm)

Broj lamela (D45-074)

$n = (1084 - 202) / 60 = 882 / 60 = 14.7$

Broj lamela prvi veći je n = 15

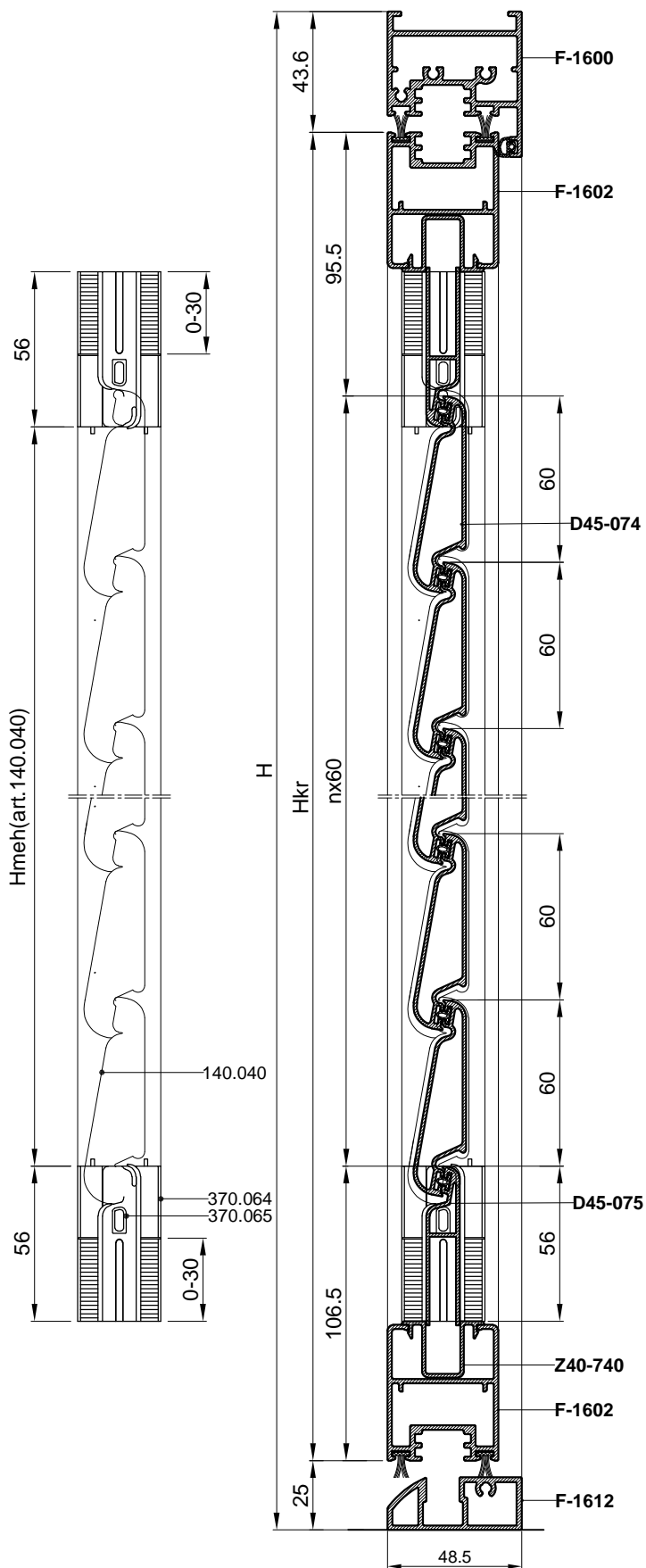
- Korekcija  $1102 - 1084 = 18$  mm

- korekcija početnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

- korekcija završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

(vidi str. 607.11.040)

Ovisnost broja lamela (D45-074) o visini krila grilje  
-donji profil okvira rama - F-1612



H[mm]= Hkr+69	Hkr [mm]	n [kom]	Hmeh[mm]
631*	562*	6	349
691*	622*	7	409
751*	682*	8	469
811*	742*	9	529
871*	802*	10	589
931*	862*	11	649
991*	922*	12	709
1051*	982*	13	769
1111*	1042*	14	829
1171*	1102*	15	889
1231*	1162*	16	949
1291*	1222*	17	1009
1351*	1282*	18	1069
1411*	1342*	19	1129
1471*	1402*	20	1189
1531*	1462*	21	1249
1591*	1522*	22	1309

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (D45-074) se uzima prvi veći uz korekciju početnog i završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065

- Broj lamela (D45-074):  
 $n = (Hkr - 202) / 60$

- Hmeh = Hkr - 213

Primjer : (za Hkr = 1084 mm)

Broj lamela (D45-074)

$n = (1084 - 202) / 60 = 882 / 60 = 14.7$

Broj lamela prvi veći je n = 15

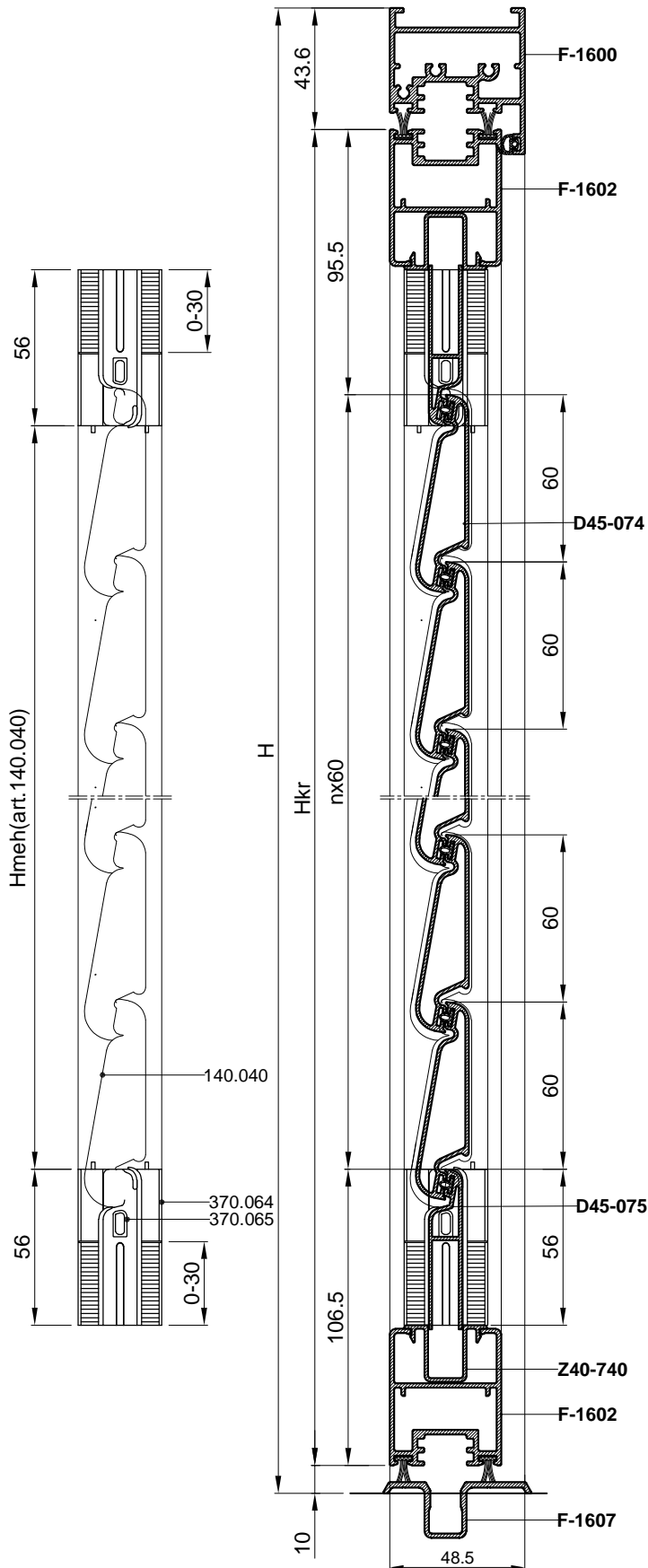
- Korekcija  $1102 - 1084 = 18$  mm

- korekcija početnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

- korekcija završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

(vidi str. 607.11.040)

Ovisnost broja lamela (D45-074) o visini krila grilje  
-donji profil okvira rama - F-1607



Ovisnost broja lamela D45-074 o visini krila			
H[mm]= Hkr+54	Hkr [mm]	n [kom]	Hmeh[mm]
616*	562*	6	349
676*	622*	7	409
736*	682*	8	469
796*	742*	9	529
856*	802*	10	589
916*	862*	11	649
976*	922*	12	709
1036*	982*	13	769
1096*	1042*	14	829
1156*	1102*	15	889
1216*	1162*	16	949
1276*	1222*	17	1009
1336*	1282*	18	1069
1396*	1342*	19	1129
1456*	1402*	20	1189
1516*	1462*	21	1249
1576*	1522*	22	1309

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (D45-074) se uzima prvi veći uz korekciju početnog i završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065

- Broj lamela (D45-074):  
 $n = (H_{kr} - 202) / 60$

-  $H_{meh} = H_{kr} - 213$

Primjer : (za  $H_{kr} = 1084$  mm)

Broj lamela (D45-074)

$n = (1084 - 202) / 60 = 882 / 60 = 14.7$

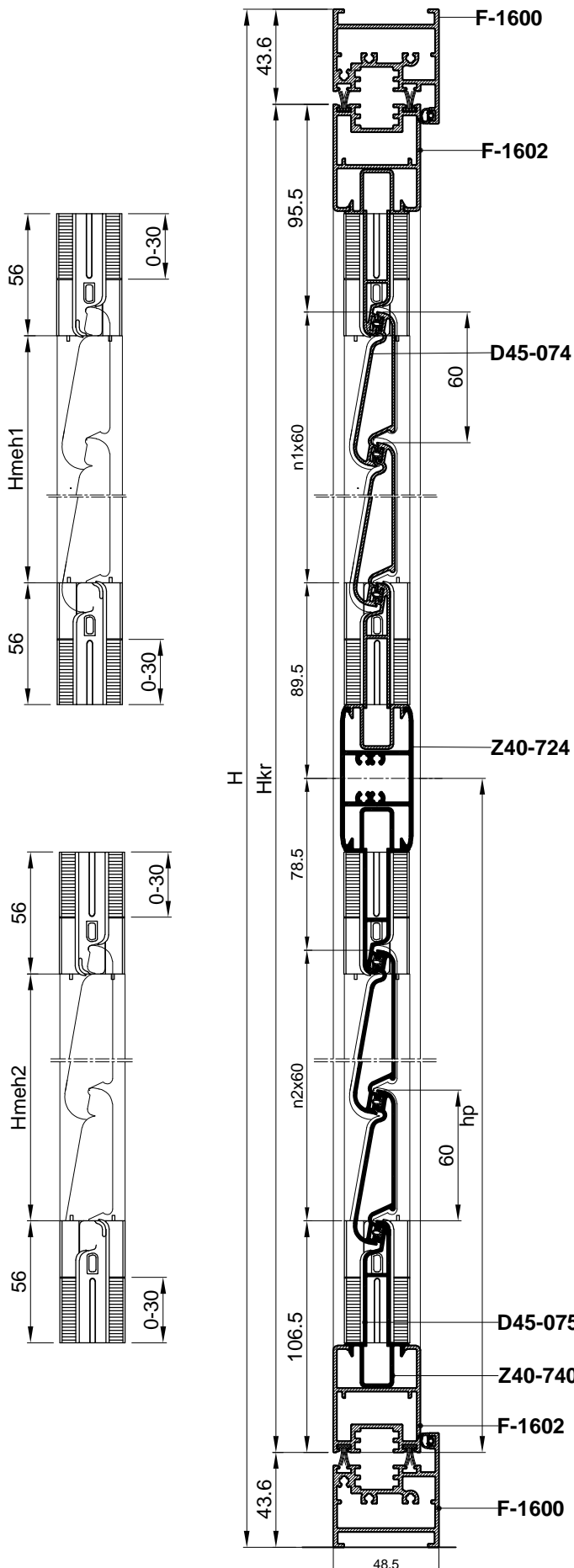
Broj lamela prvi veći je  $n = 15$

- Korekcija  $1102 - 1084 = 18$  mm

- korekcija početnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

- korekcija završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065  
 $18 \text{ mm} / 2 = 9 \text{ mm}$

(vidi str.607.11.040)



Ovisnost broja lamela (D45-074) o visini krila grilje

Ovisnost broja lamela D45-074 o visini krila				
H=Hkr+87 [mm]	Hkr [mm]	hp [mm]	n1=n2 [kom]	Hmeh1=Hmeh2[mm]
1657*	1570*	785	10	589
1777*	1690*	845	11	649
1897*	1810*	905	12	709
2017*	1930*	965	13	769
2137*	2050*	1025	14	829
2257*	2170*	1085	15	889
2377*	2290*	1145	16	949
2497*	2410*	1205	17	1009
2617*	2530*	1283	18	1069

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (D45-074) se uzima prvi veći uz korekciju početnog i završnog profila D45-075 sa pripadajućim pvc umetcima 370.064 i 370.065.

- Broj lamela (D45-074):  
 $n1=n2=(Hkr-370) / 120$

-  $hp=Hkr-185-60 \times n_{1,2}$

-  $Hmeh1=Hmeh2=(Hkr-392) / 2$

Primjer : (za Hkr=1650 mm)

$n=(1650-370)/120= 1280/120 =10.66$

Broj lamela prvi veći je n=11

-Korekcija 1690-1650=40 mm

-korekcija početnog profila D45-075

sa pripadajućim pvc umetcima 370.064 i 370.065

$40 \text{ mm}/4 = 10 \text{ mm}$

-korekcija završnog profila D45-075

sa pripadajućim pvc umetcima 370.064 i 370.065

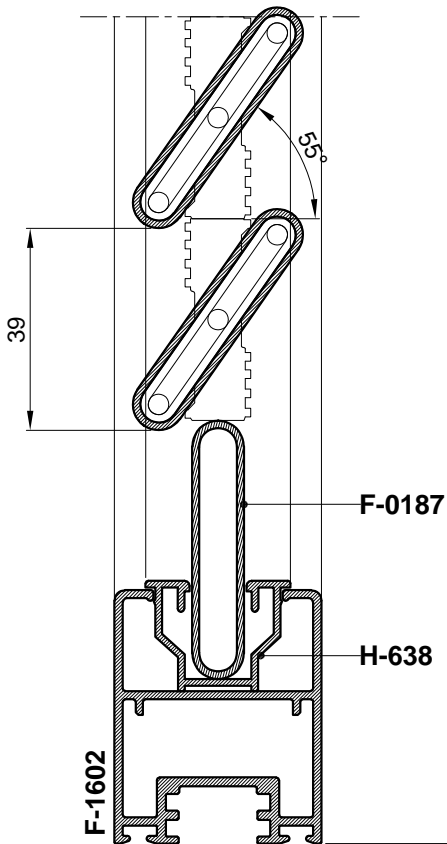
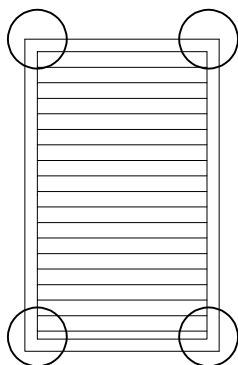
$40 \text{ mm}/4 = 10 \text{ mm}$

(vidi str.607.11.040)

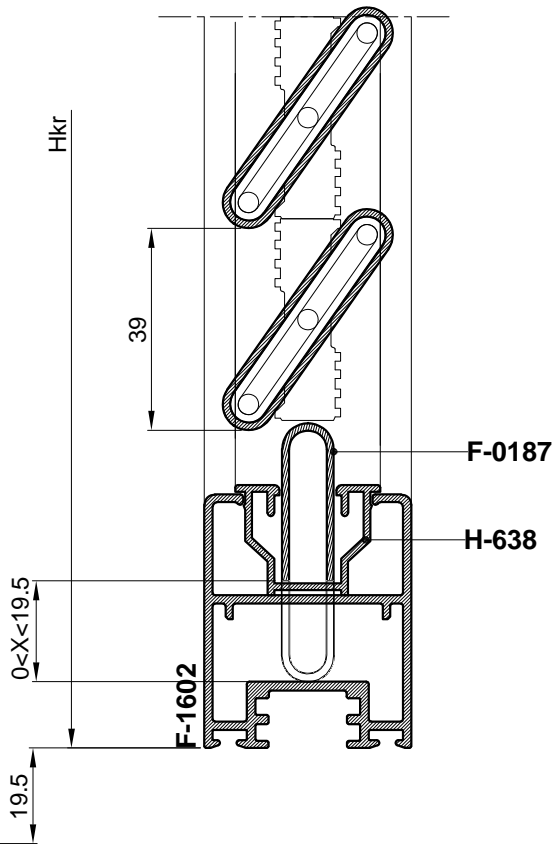


## GRILJA S FIKSNOM ISPUNOM

### 1. Početni položaj profila

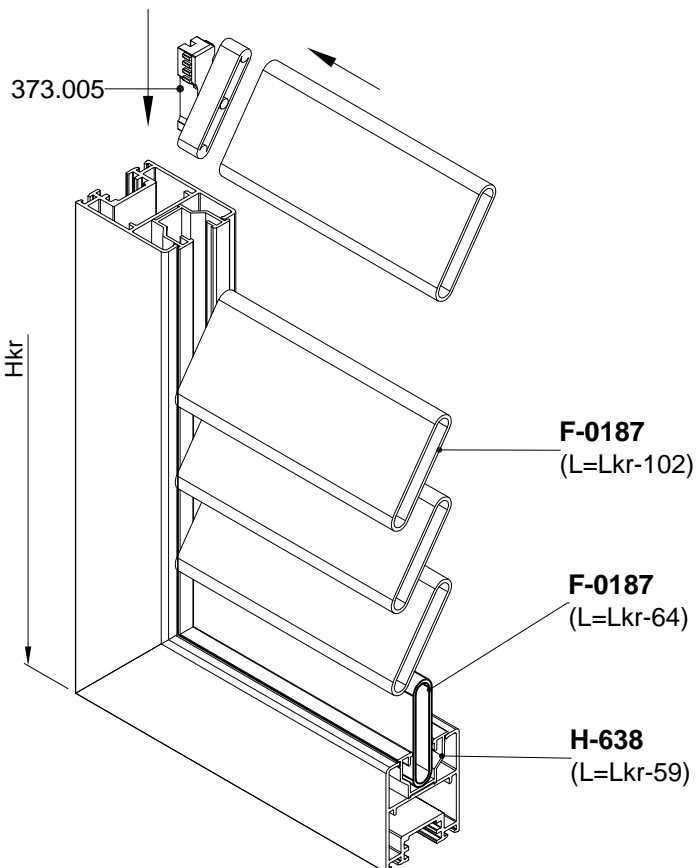


### 2. Skraćivanje F-0187

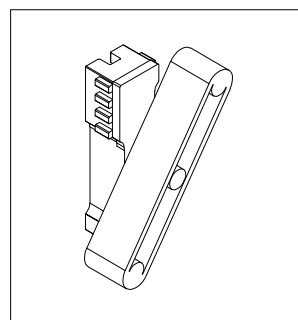


-Maksimalno smanjenje krila :

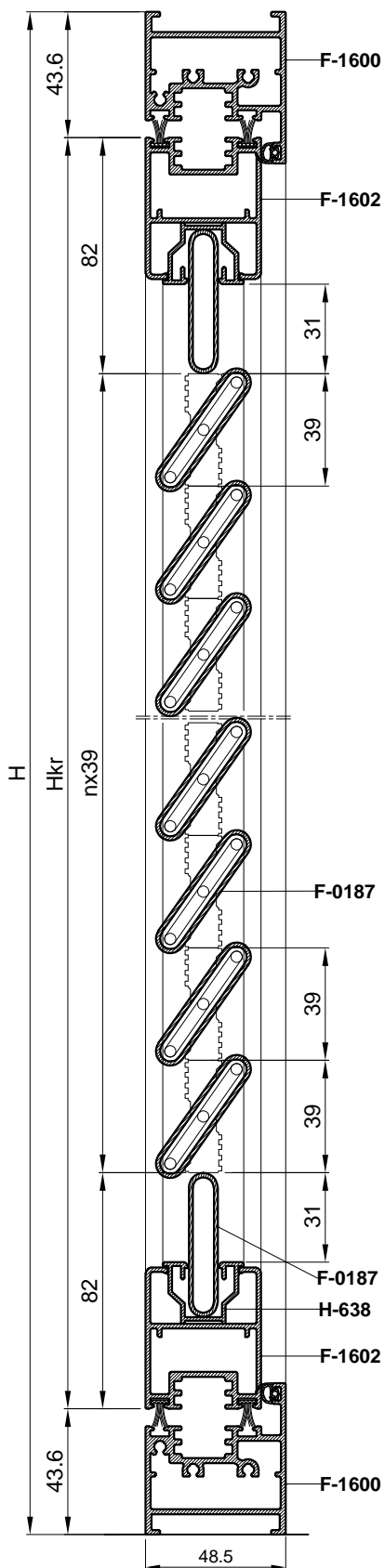
$$2 \times 19.5 \text{ mm} = 39 \text{ mm}$$



373.005



Ovisnost broja lamela (F-0187) o visini krila grilje



Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+87	Hkr [mm]	n [kom]
641*	554*	10
680*	593*	11
719*	632*	12
758*	671*	13
797*	710*	14
836*	749*	15
875*	788*	16
914*	827*	17
953*	866*	18
992*	905*	19
1031*	944*	20
1070*	983*	21
1109*	1022*	22
1148*	1061*	23
1187*	1100*	24
1226*	1139*	25
1265*	1178*	26
1304*	1217*	27
1343*	1256*	28
1382*	1295*	29
1421*	1334*	30
1460*	1373*	31
1499*	1412*	32
1538*	1451*	33
1577*	1490*	34
1616*	1529*	35
1655*	1568*	36
1694*	1607*	37

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (F-0187) se uzima prvi veći uz skraćivanje početnog i završnog dodatka od profila F-0187

- Broj lamela (F-0187):  
 $n = (Hkr - 164) / 39$

Primjer : (za Hkr=1000 mm)

- Broj lamela (F-0187)

$n = (1000 - 164) / 39 = 836 / 39 = 21.4$

- Broj lamela prvi veći je n=22

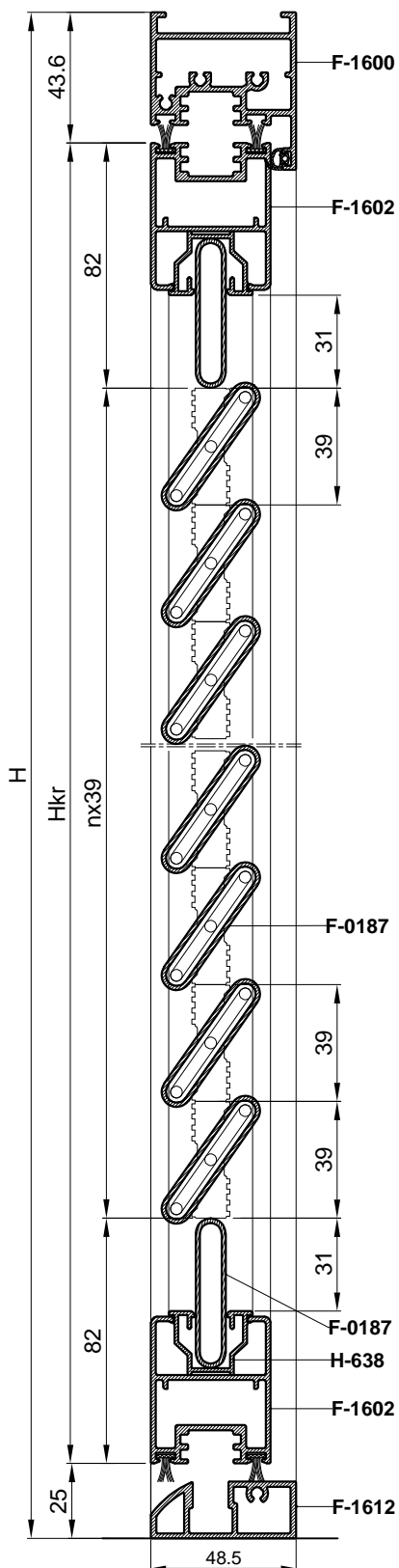
- Ukupno skraćivanje je  $1022 - 1000 = 22$  mm

- skraćivanje početnog profila F-0187 je  $22 \text{ mm} / 2 = 11$  mm

- skraćivanje završnog profila F-0187 je  $22 \text{ mm} / 2 = 11$  mm

(vidi str.400.11.046)

Ovisnost broja lamela (F-0187) o visini krila grilje



Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+69	Hkr [mm]	n [kom]
623*	554*	10
662*	593*	11
701*	632*	12
740*	671*	13
779*	710*	14
818*	749*	15
857*	788*	16
896*	827*	17
935*	866*	18
974*	905*	19
1013*	944*	20
1052*	983*	21
1091*	1022*	22
1130*	1061*	23
1169*	1100*	24
1208*	1139*	25
1247*	1178*	26
1286*	1217*	27
1325*	1256*	28
1364*	1295*	29
1403*	1334*	30
1442*	1373*	31
1481*	1412*	32
1520*	1451*	33
1559*	1490*	34
1598*	1529*	35
1637*	1568*	36
1676*	1607*	37

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (F-0187) se uzima prvi veći uz skraćivanje početnog i završnog dodatka od profila F-0187

- Broj lamela (F-0187):  
 $n = (Hkr - 164) / 39$

Primjer : (za Hkr=1000 mm)

- Broj lamela (F-0187)

$n = (1000 - 164) / 39 = 836 / 39 = 21.4$

- Broj lamela prvi veći je n=22

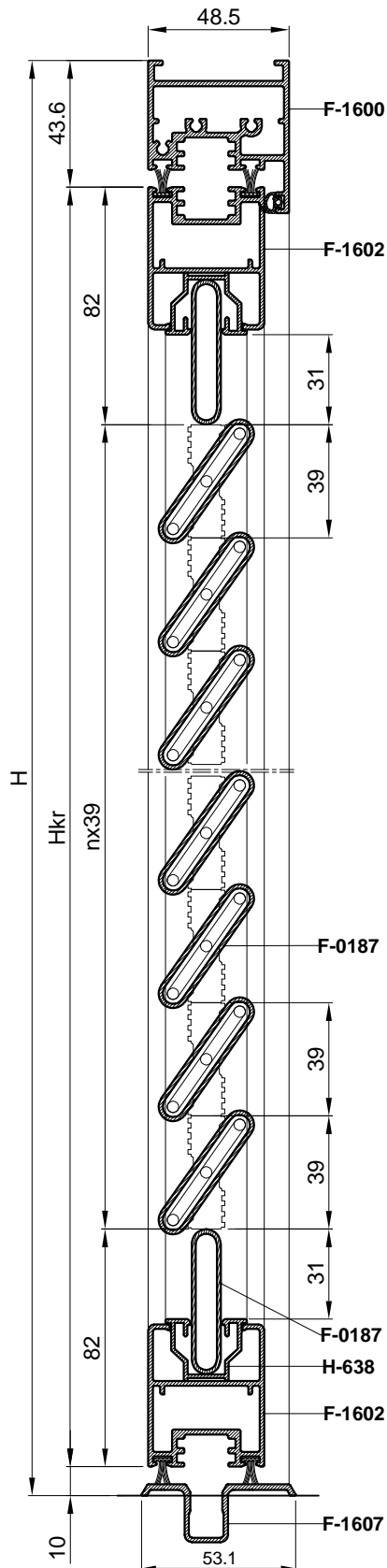
- Ukupno skraćivanje je  $1022 - 1000 = 22$  mm

- skraćivanje početnog profila F-0187 je  $22 \text{ mm} / 2 = 11$  mm

- skraćivanje završnog profila F-0187 je  $22 \text{ mm} / 2 = 11$  mm

(vidi str.400.11.046)

Ovisnost broja lamela (F-0187) o visini krila grilje



Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+54	Hkr [mm]	n [kom]
608*	554*	10
647*	593*	11
686*	632*	12
725*	671*	13
764*	710*	14
803*	749*	15
842*	788*	16
881*	827*	17
920*	866*	18
959*	905*	19
998*	944*	20
1037*	983*	21
1076*	1022*	22
1115*	1061*	23
1154*	1100*	24
1193*	1139*	25
1232*	1178*	26
1271*	1217*	27
1310*	1256*	28
1349*	1295*	29
1388*	1334*	30
1427*	1373*	31
1466*	1412*	32
1505*	1451*	33
1544*	1490*	34
1583*	1529*	35
1622*	1568*	36
1661*	1607*	37

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (F-0187) se uzima prvi veći uz skraćivanje početnog i završnog dodatka od profila F-0187

- Broj lamela (F-0187):  
 $n = (Hkr - 164) / 39$

Primjer :(za Hkr=1000 mm)

-Broj lamela (F-0187)

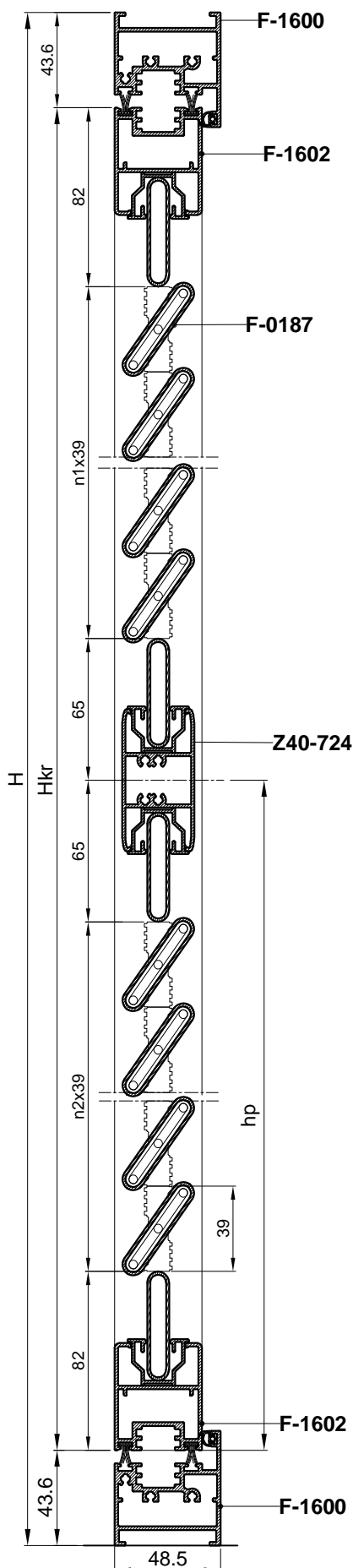
$n = (1000 - 164) / 39 = 836 / 39 = 21.4$

-Broj lamela prvi veći je n=22

-Ukupno skraćenje je 1022-1000=22 mm

-skraćenje početnog profila F-0187 je 22 mm/2 = 11 mm

-skraćenje završnog profila F-0187 je 22 mm/2 = 11 mm  
(vidi str.400.11.046)



Ovisnost broja lamela (F-0187) o visini krila grilje

Ovisnost broja lamela F-0187 o visini krila			
H=Hkr+87 [mm]	Hkr [mm]	hp [mm]	n1=n2 [kom]
1629*	1542*	771*	16
1707*	1620*	810*	17
1785*	1698*	849*	18
1863*	1776*	888*	19
1941*	1854*	927*	20
2019*	1932*	966*	21
2097*	2010*	1005*	22
2175*	2088*	1044*	23
2253*	2166*	1083*	24
2331*	2244*	1122*	25
2409*	2322*	1161*	26
2487*	2400*	1200*	27
2565*	2478*	1239*	28
2643*	2556*	1278*	29
2721*	2634	1317*	30

\* Za mjere visine krila između ovih vrijednosti u tablici broj lamela n (F-0187) se uzima prvi veći uz skraćivanje početnog i završnog dodatka od profila F-0187

- Broj lamela (F-0187):  
 $n1=n2 = (Hkr-294) / 78$

-hp=Hkr-147-39 x n<sub>1,2</sub>

Primjer :(za Hkr=2000 mm)

-Broj lamela (F-0187)

$n1=n2=(2000-294)/78= 1706/78 =21.9$

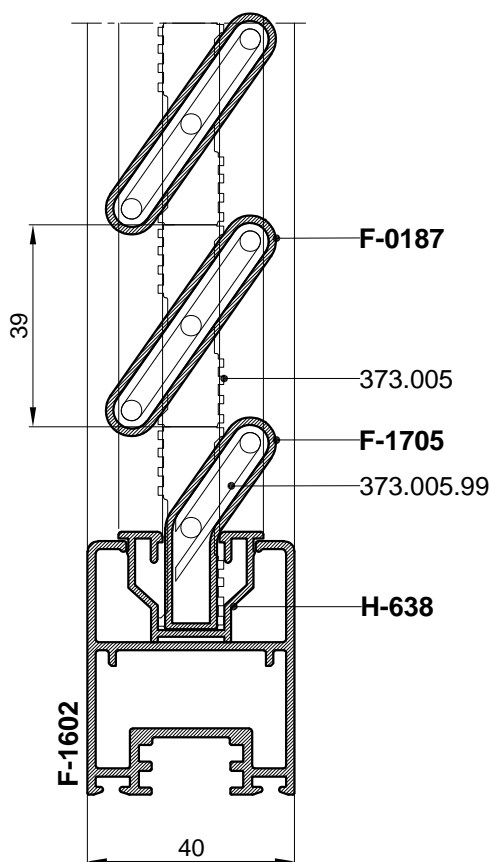
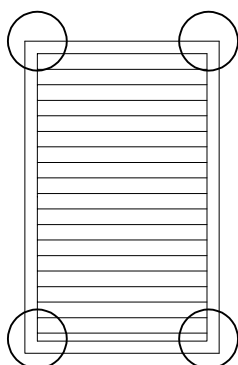
-Broj lamela prvi veći je n1=n2=22

-Ukupno skraćenje je 2010-2000=10 mm

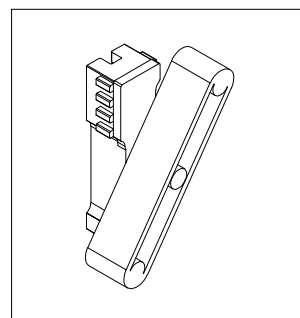
-skraćenje početnog profila F-0187 je 10/4 mm ≈ 2.5 mm (vidi str.307.11.046)

## GRILJA S FIKSNOM ISPUNOM

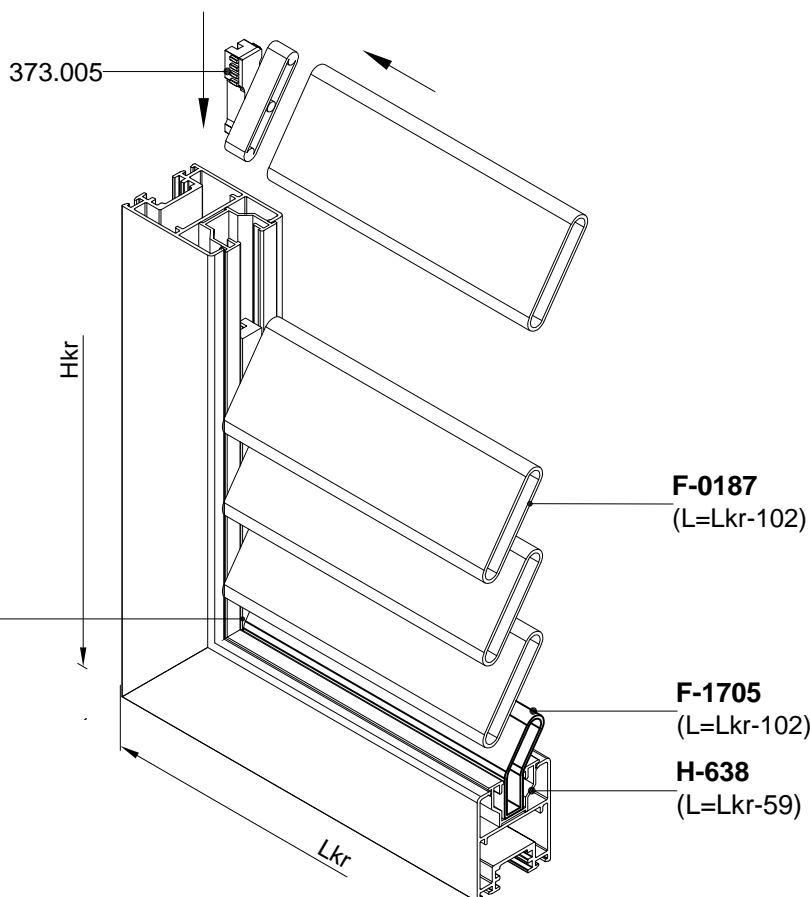
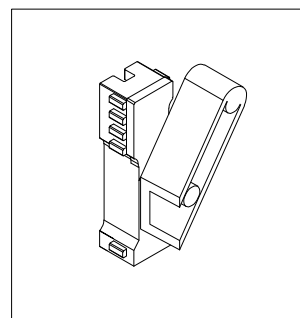
Ugradnja ispune u krilo s početnim profilom F-1705

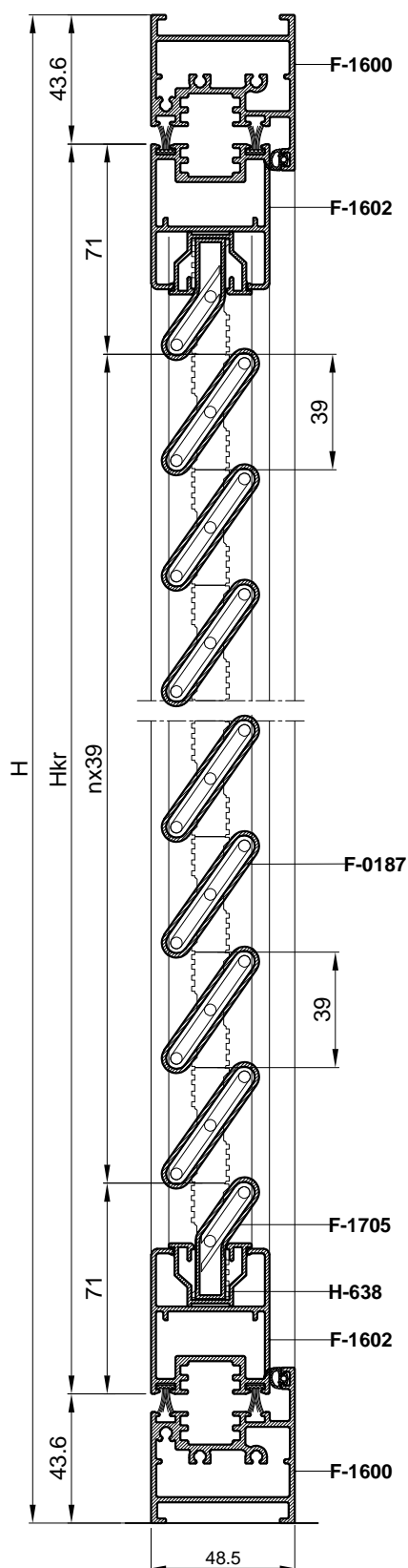


373.005



373.005.99



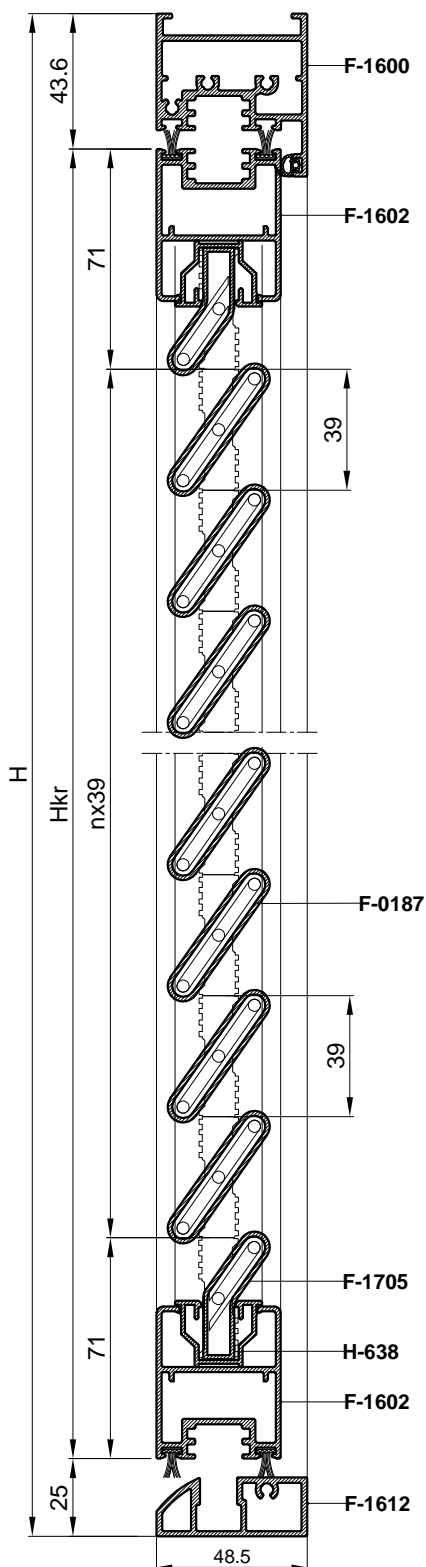


Ovisnost broja lamela (F-0187) o visini krila grilje

Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+87	Hkr [mm]	n [kom]
619	532	10
658	571	11
697	610	12
736	649	13
775	688	14
814	727	15
853	766	16
892	805	17
931	844	18
970	883	19
1009	922	20
1048	961	21
1087	1000	22
1126	1039	23
1165	1078	24
1204	1117	25
1243	1156	26
1282	1195	27
1321	1234	28
1360	1273	29
1399	1312	30
1438	1351	31
1477	1390	32
1516	1429	33
1555	1468	34
1594	1507	35
1633	1546	36

- Broj lamela (F-0187):  
 $n = (Hkr - 142) / 39$

Primjer : (za Hkr=1117 mm)  
- Broj lamela (F-0187)  
 $n = (1117 - 142) / 39 = 975 / 39 = 25$

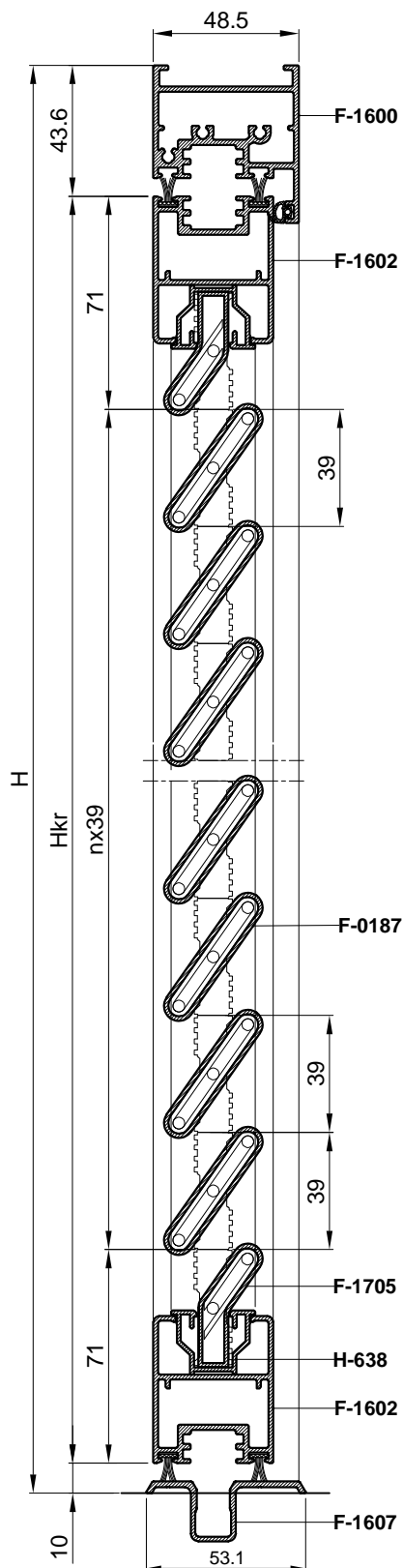


Ovisnost broja lamela (F-0187) o visini krila grilje

Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+69	Hkr [mm]	n [kom]
601	532	10
640	571	11
679	610	12
718	649	13
757	688	14
796	727	15
835	766	16
874	805	17
913	844	18
952	883	19
991	922	20
1030	961	21
1069	1000	22
1108	1039	23
1147	1078	24
1186	1117	25
1225	1156	26
1264	1195	27
1303	1234	28
1342	1273	29
1381	1312	30
1420	1351	31
1459	1390	32
1498	1429	33
1537	1468	34
1576	1507	35
1615	1546	36

- Broj lamela (F-0187):  
 $n = (Hkr - 142) / 39$

Primjer : (za Hkr=1117 mm)  
- Broj lamela (F-0187)  
 $n = (1117 - 142) / 39 = 975 / 39 = 25$

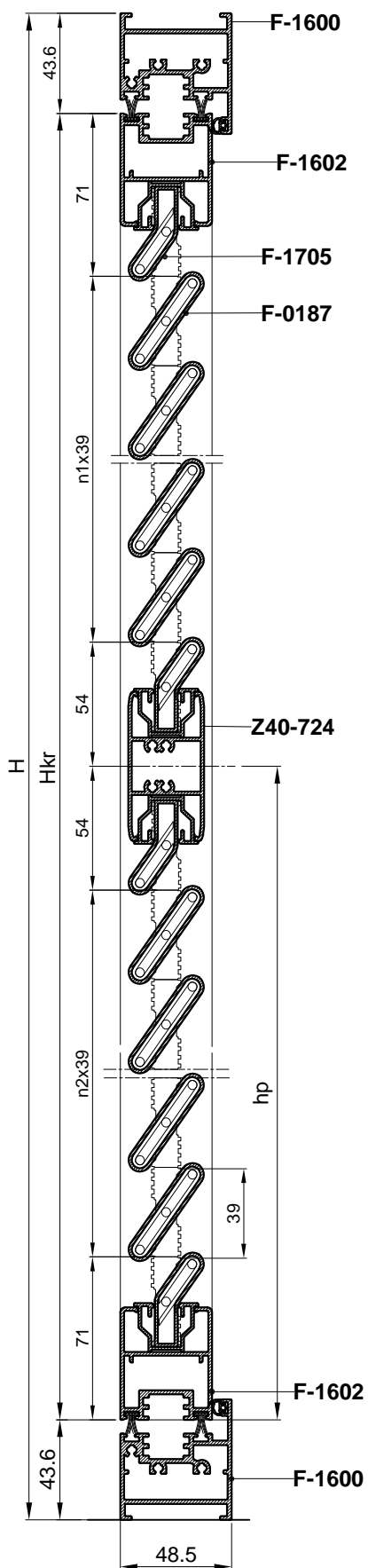


Ovisnost broja lamela (F-0187) o visini krila grilje

Ovisnost broja lamela F-0187 o visini krila		
H[mm]= Hkr+54	Hkr [mm]	n [kom]
586	532	10
625	571	11
664	610	12
703	649	13
742	688	14
781	727	15
820	766	16
859	805	17
898	844	18
937	883	19
976	922	20
1015	961	21
1054	1000	22
1093	1039	23
1132	1078	24
1171	1117	25
1210	1156	26
1249	1195	27
1288	1234	28
1327	1273	29
1366	1312	30
1405	1351	31
1444	1390	32
1483	1429	33
1522	1468	34
1561	1507	35
1600	1546	36

- Broj lamela (F-0187):  
 $n = (Hkr - 142) / 39$

Primjer : (za Hkr=1117 mm)  
- Broj lamela (F-0187)  
 $n = (1117 - 142) / 39 = 975 / 39 = 25$



Ovisnost broja lamela (F-0187) o visini krila grilje

Ovisnost broja lamela F-0187 o visini krila			
H=Hkr+87 [mm]	Hkr [mm]	hp [mm]	n1=n2 [kom]
1585	1498	749	16
1663	1576	788	17
1741	1654	827	18
1819	1732	866	19
1897	1810	905	20
1975	1888	944	21
2053	1966	983	22
2131	2044	1022	23
2209	2122	1061	24
2287	2200	1100	25
2365	2278	1139	26
2443	2356	1178	27
2521	2434	1217	28
2599	2512	1256	29
2677	2590	1295	30
2755	2668	1334	31

- Broj lamela (F-0187):  
 $n1=n2 = (Hkr-250) / 78$

-hp=Hkr-125-39 x n<sub>1,2</sub>

Primjer :(za Hkr=2044 mm)

-Broj lamela (F-0187)  
 $n1=n2=(2044-250)/78 = 1794/78 = 23$

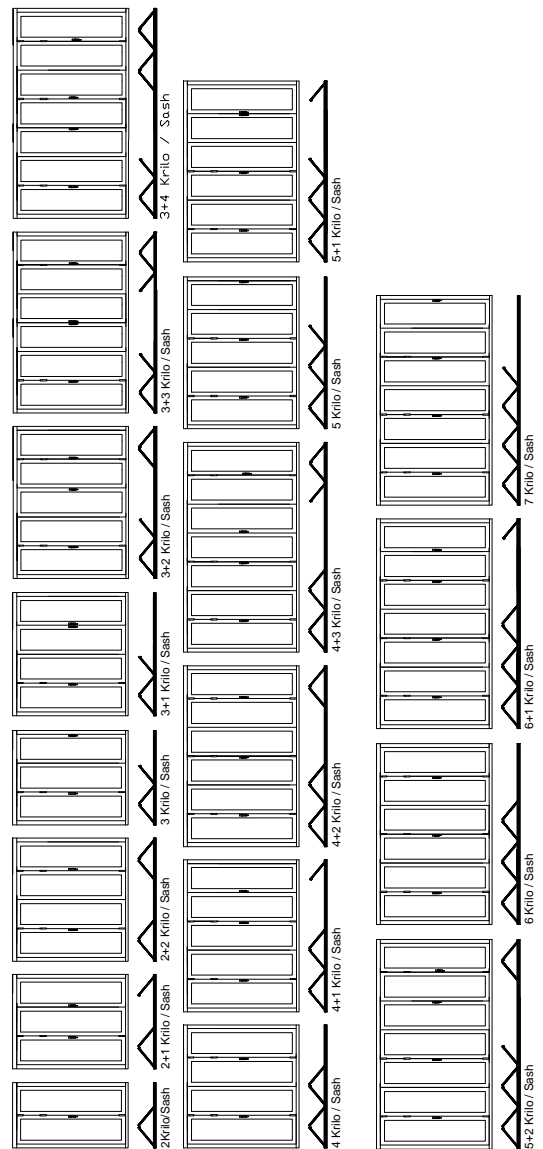


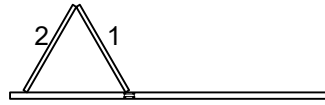
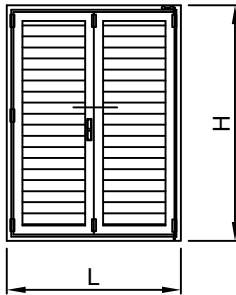
Rezne liste  
Profil praga F-1612  
Cutting lists  
Treshold profile F-1612



Lista dodataka u odnosu na različite konfiguracije  
ACCESSORIES LIST ACCORDING TO THE DIFFERENT CONFIGURATIONS

FEAL CODE	Artikli Article	Opis / Description	2	2+1	2+2	3	3+1	3+2	3+3	3+4	4	4+1	4+2	4+3	5	5+1	5+2	6	6+1	7
116.014	*A9147.4	Šarka / Rapid Hinge																		
116.015	*A9147.46	Trodijelna šarka / Rapid Hinge 3 wings	6	9	12	7	10	13	14	17	10	13	16	17	11	14	17	14	17	15
140.074	A93630.5A	Šarka s kolicima za neparna krila / Upper Hinge for Folding doors	-	-	-	1	1	1	2	2	1	1	1	2	2	2	2	2	2	3
140.078	A93635.4	Kolica za parna krila / Upper block for folding opening	1	1	2	-	-	1	-	1	1	1	2	1	-	-	1	1	1	-
140.075	A93630.6A	Šarka s pratilicom 11mm (za žiljeb praga 11mm) / Lower Hinge for Folding doors (only for frame cavity 11mm)	-	-	-	1	1	1	2	2	1	1	1	2	2	2	2	2	2	3
140.082	A93630.6B	Šarka s pratilicom 15mm (za žiljeb praga 15mm) / Lower Hinge for Folding doors (only for frame cavity 15mm)	-	-	-	1	1	1	2	2	1	1	1	2	2	2	2	2	2	3
140.076	A83635.5	Pratilica za parna krila (za žiljeb praga 11mm) / Lower block for folding opening (only for frame cavity 11mm)	1	1	2	-	-	1	-	1	1	1	1	2	1	-	-	1	1	-
140.083	A83635.6	Pratilica za parna krila (za žiljeb praga 15mm) / Lower block for folding opening (only for frame cavity 15mm)	1	1	2	-	-	1	-	1	1	1	1	2	1	-	-	1	1	-
107.006	A6027.X	Ručka / Reduced cremone bolt																		
	A6023.X	Cremonese con pinne guida per anta principale / Cremone bolt with guide racks for main sash																		
	A6024.X	Cremonese con chiave e pinne guida per anta principale / Cremone bolt with key and guide racks for main sash	1	2	2	2	3	3	4	4	2	3	3	4	3	4	4	3	4	4
	A6028.X	Cremonese Comfort Plus con pinne guida per anta principale / Cremone bolt with guide racks for main sash																		
	A6029.X	Cremonese Comfort Plus con chiave e pinne guida per anta principale / Cremone bolt with key and guide racks for main sash																		
107.005	A93638.8	Šarka s ručkom / Pulling Handle for External Opening	1	1	2	1	1	2	2	3	2	2	3	3	2	2	2	3	3	3
	A83635.1	Incontro chiusura superiore Catenaccio / Upper Closing keeper for Latch	1	1	1	-	-	1	-	1	1	1	1	1	-	-	-	1	1	-
	A93638.9	Incontro catenaccio (solo con telaio cava 12mm) / Bolt junction (only for frame cavity 12mm)																		
140.085	A93638.2	Incontro catenaccio (solo con telaio cava 15mm) / Bolt junction (only for frame cavity 15mm)	1	1	1	-	-	1	-	1	1	1	1	1	-	-	-	1	1	-
140.079	A4032.58	Zapinjač -PAR (donji +gornji) / Rod end cover for Sirto latch	2	4	4	4	6	6	8	8	4	6	6	8	6	8	8	6	8	8
140.080	A6427.X	Umetak između klizača i ručke / Junction Block for Cremone-bolt	1	2	2	2	3	3	4	4	2	3	3	4	3	4	3	4	3	4
370.069	A2337	Poklopac prozorskog okvira / Plug for upper guide	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

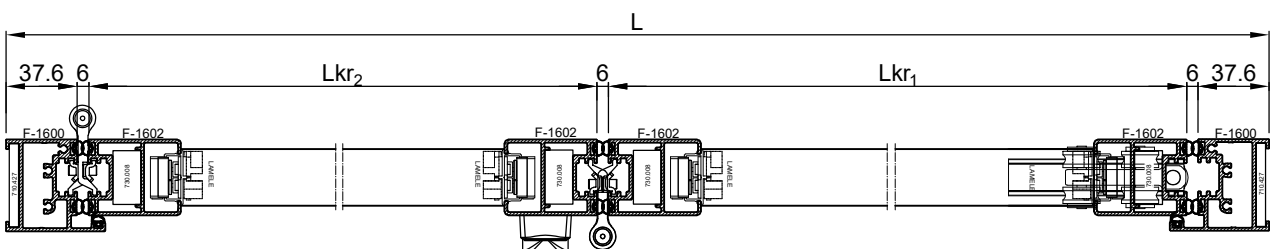
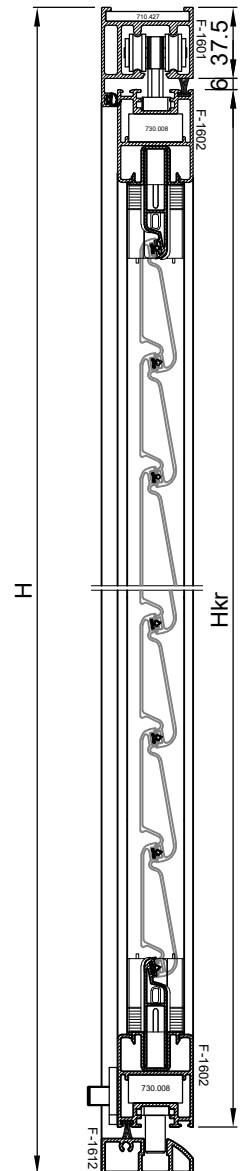


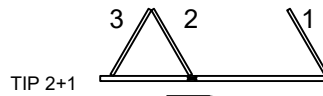
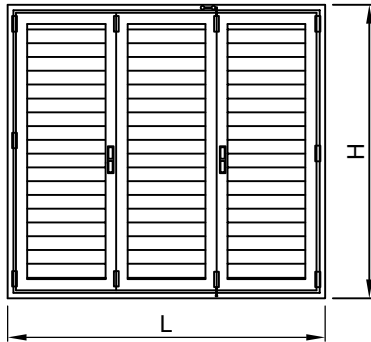


Broj krila 2+0  
Dva krila različite širine

Number sashes: 2+0  
Two sashes of different width

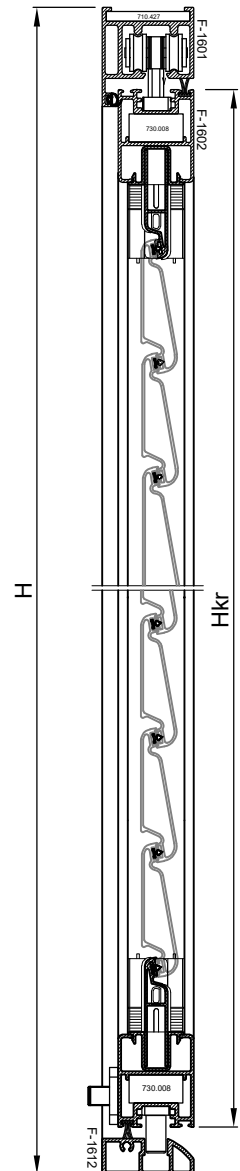
naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600	okomica rama	vertical frame profile	H-37.5 2 90-90
F-1601	profil vodilice	guide profile	L 1 90-90
F-1602	vodoravnica krila 1	horiz.sash profile 1	$L_{kr1}=L/2-26$ 2 45-45
F-1602	vodoravnica krila 2	horiz.sash profile 2	$L_{kr2}=L/2-67.5$ 2 45-45
F-1602	okomica krila	vert.sash profile	Hkr=H-68.5 4 45-45
F-1612	profil praga	threshold profile	L-75 1 90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2 1 90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2 1 90-90
Z40-740	uvodni profil	end infill profile	Lkr-98 4 90-90
D45-074	profil ispune	infill profile	Lkr-110 2xn 90-90
D45-075	početni profil ispune	infill start profile	Lkr-104 4 90-90
<b>Okovi Hardware</b>			
710.427	kutna spojnica	corner bracket	2
710.424	veznik	connection elements	2
730.008	kutna spojnica	corner bracket	8
140.078	kolica za parna krila	rapid upper hinge for even sash	1
140.076	pratilica za parna krila	rapid lower hinge for even sash	1
116.014	šarka	hinge	6
107.005	šarka s ručkom(opcija)	handle hinge(optional)	1
107.006	pogonska ručka	handle	1
140.079	zapinjač	rod-end for latch	2
140.080	spojni blok	junction block for handle	1
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm	2L+2D
140.073	meh s ručicom za pokretnje lamela	mech with handle for movable lamellae	2
<b>Brtve Gasket</b>			
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr 12
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5 2
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75 1
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108 2xn
347.006	četkasta brtva	brush gasket	Lkr 4
<b>Dodaci Accessories</b>			
370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae	8
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae	8
140.081	stoper krila (par)	sash stopper (even)	1
<b>Vijci Screws</b>			
433.036	vijak	screw	6





Broj krila 2+1  
Krila različite širine:  
Number sashes: 2+1  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>				
F-1600	okomica rama	vertical frame profile	H-37.5	2 90-90
F-1601	profil vodilice	guide profile	L	1 90-90
F-1602	vodoravnica krila 1-3	horiz.sash profile 1-3	$L_{kr_{1-3}}=L/3-47$	4 45-45
F-1602	vodoravnica krila 2	horiz.sash profile 2	$L_{kr_2}=L/3-5.5$	2 45-45
F-1602	okomica krila	vert.sash profile	Hkr=H-68.5	6 45-45
F-1612	profil praga	threshold profile	L-75	1 90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	2 90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	2 90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	6 90-90
D45-074	profil ispune	infill profile	Lkr-110	3xn 90-90
D45-075	početni profil ispune	infill start profile profile	Lkr-104	6 90-90
<b>Kutne spojnice Corner brackets</b>				
710.427	kutna spojnica	corner bracket		2
710.424	veznik	connection elements		2
730.008	kutna spojnica	corner bracket		12
140.078	kolica za parna krila	rapid upper hinge for even sash		1
141.076	pratilica za parna krila	rapid lower hinge for even sash		1
116.014	šarka	hinge		9
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1
107.006	pogonska ručka	handle		2
140.079	zapinjač (par)	rod-end for latch		4
140.080	spojni blok	junction block for handle		2
140.040	element za pokretnu grijlu 25mm	a movable shutter element 25mm		3L+3D
140.073	meh s ručiom za pokretanje lamelamech with handle for movable lamellae			3
<b>Brtve Gasket</b>				
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	16
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	3xn
347.006	četkasta brtva	brush gasket	Lkr	6
<b>Dodaci Accessories</b>				
370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		12
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		12
140.081	stoper krila (par)	sash stopper (even)		1
<b>Vijci Screws</b>				
433.036	vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

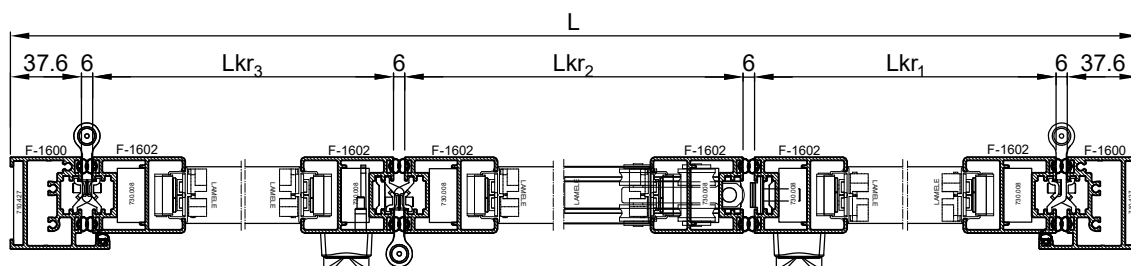
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

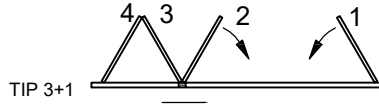
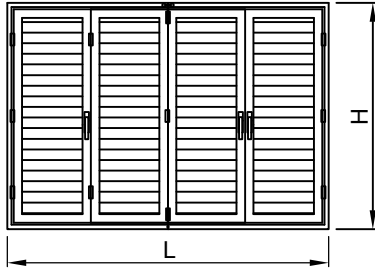
Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellae D45-074 is given in the table on p. 607.11.043







Broj krila 3+1

Četiri krila jednake širine:

Number sashes: 3+1

Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>				
F-1600 okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601 profil vodilice	guide profile	L	1	90-90
F-1602 vodoravnica krila	horiz.sash profile	Lkr=L/4-26.5	8	45-45
F-1602 okomica krila	vertical sash profile	Hkr=H-68.5	8	45-45
F-1612 profil praga	treshold profile	L-75	1	90-90
Z40-724 profil prečke	mullion profile	Lpr=Lk-58	1	90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	3	90-90
H-638 uvodni profile	end infill profile	Lkr-59	16	90-90
F-0187 profil ispune	infill profile	Lkr-102	(n1+n2)x4	90-90
F-1705 profil ispune	infill profile	Lkr-102	16	90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		1
116.014 šarka	hinge		10
107.005 šarka s ručkom(opcija)	handle hinge(optional)		1
107.006 pogonska ručka	handle		3
140.079 zapinjač	rod-end for latch		3
140.080 spojni blok	junction block for handle		6

### Brtve Gasket

314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	8

### Dodaci Accessories

373.005 umetak za fixnu grilju	insert for fix shutter		4n
373.005.99 umetak za početnu i z.fixnu grilju	insert for initial and final fixed shutter		8 (L+D)
140.081 stoper krila (par)	sash stopper (even)		2

### Vijci Screws

433.036 vijak	screw		6
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Broj lamela (F-0187) je  $n1=n2 = (Hkr-250) / 78$

Primjer :

Za Hkr=2044 mm broj lamela (F-0187) je

$$n1=n2=(2044-250)/78= 1794/78 =23$$

Određivanje broja lamela D45-074 dato je tablično na str. 607.11.045

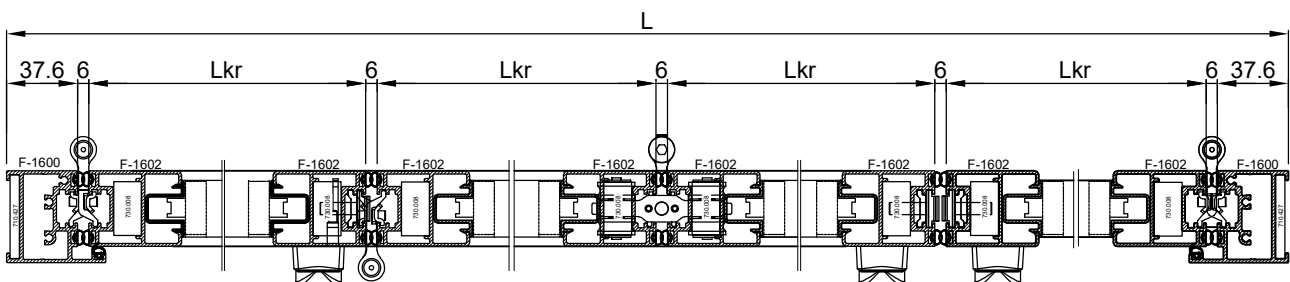
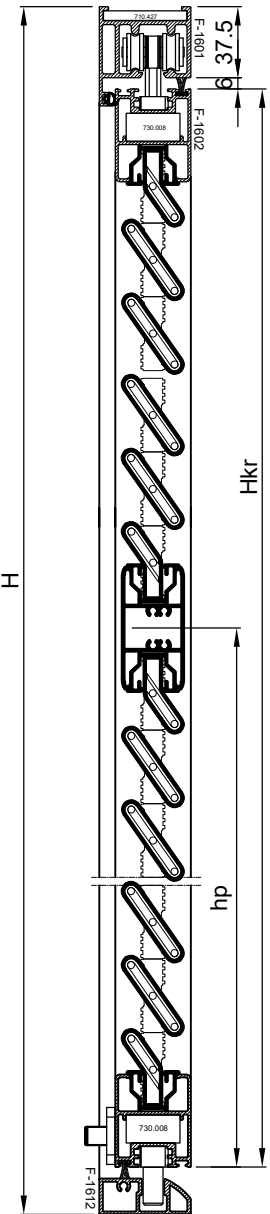
The number of lamellae (F-0187) is  $n1 = n2 = (Hkr-250) / 78$

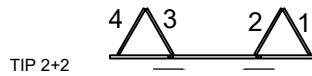
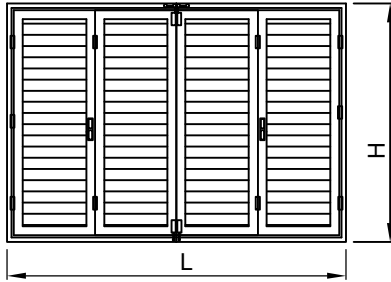
Example:

For Hkr = 2044 mm the number of lamellae (F-0187) is

$$n1 = n2 = (2044-250) / 78 = 1794/78 = 23$$

Determining the number of lamellas D45-074 is given in the table on p. 607.11.045

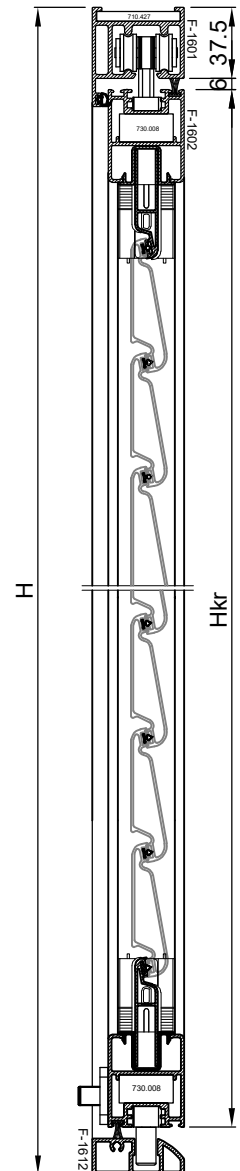




Broj krila 2+2  
Kрила 2-3 jednake širine:  
Kрила 1-4 jednake šireine:

Number sashes: 2+2  
Sashes of 2-3 equal width  
Sashes of 1-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2
F-1601 profil vodilice	guide profile	L	1
F-1602 vodoravnica krila 2-3	horiz.sash profile 2-3	$Lkr_{2-3}=L/4-5.5$	4
F-1602 vodoravnica krila 1-4	horiz.sash profile 1-4	$Lkr_{1-4}=L/4-47$	4
F-1602 okomica krila	vert.sash profile	$Hkr=H-68.5$	8
F-1612 profil praga	threshold profile	L-75	1
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	2
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	2
Z40-740 uvodni profil	end infill profile	Lkr-98	8
D45-074 profil ispune	infill profile	Lkr-110	4xn
D45-075 početni profil ispune	infill start profile	Lkr-104	8
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.078 kolica za parna krila	rapid upper hinge for even sash		2
140.076 pratilica za parna krila	rapid lower hinge for even sash		2
116.014 šarka	hinge		12
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
140.040 element za pokretnu griju 25mm	a movable shutter element 25mm		4L+4D
140.073 meh s ručicom za pokretnje lamelae	mech with handle for movable lamellae		4
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn
347.006 četkasta brtva	brush gasket	Lkr	8
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
140.081 stoper krila (par)	sash stopper (even)		2
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

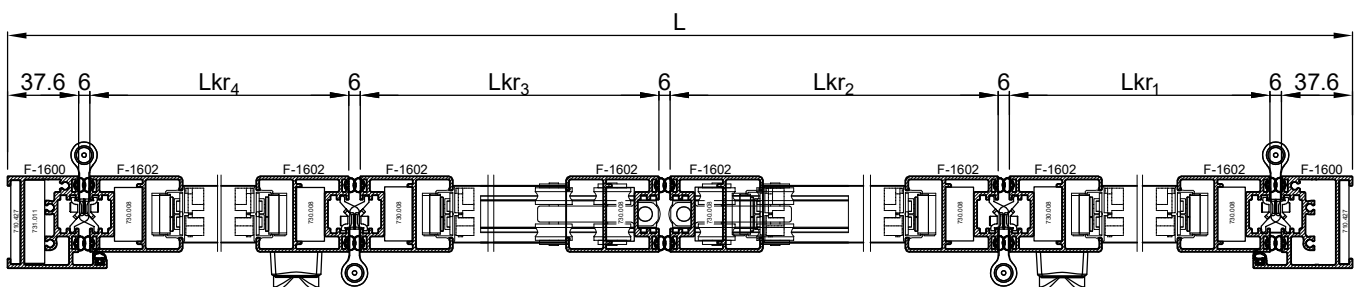
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

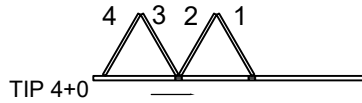
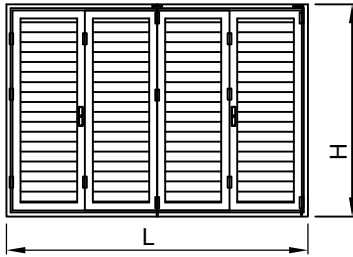
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.043

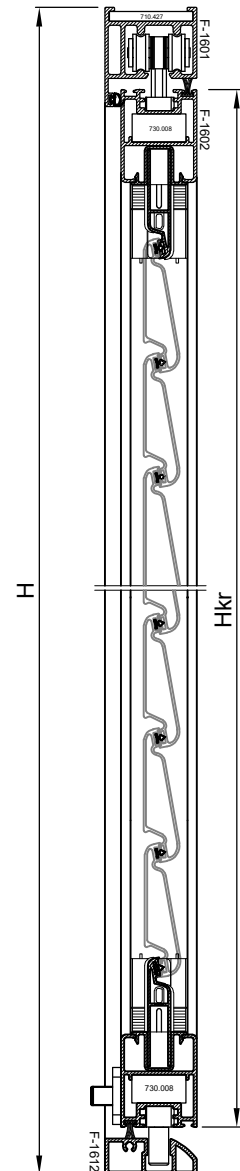




Broj krila 4+0  
Krila 2-3-4 jednakih dimenzija:

Number sashes: 4+0  
Sashes of 2-3-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2
F-1601 profil vodilice	guide profile	L	1
F-1602 vodoravnica krila 2-3-4	horiz.sash profile 2-3-4	$Lkr_{2-3-4}=L/4-36.5$	6
F-1602 vodoravnica krila 1	horiz.sash profile 1	$Lkr_1=ML/4+4.8$	2
F-1602 okomica krila	vert.sash profile	$Hkr=H-68.5$	8
F-1612 profil praga	threshold profile	ML-75	1
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	2
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	2
Z40-740 uvodni profil	end infill profile	Lkr-98	8
D45-074 profil ispune	infill profile	Lkr-110	4xn
D45-075 početni profil ispune	infill start profile	Lkr-104	8
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.078 kolica za parna krila	rapid upper hinge for even sash		1
140.076 pratilica za parna krila	rapid lower hinge for even sash		1
116.014 šarka	hinge		10
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
140.040 element za pokretnu grijlu 25mm	a movable shutter element 25mm		4L+4D
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		4
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		1
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn
347.006 četkasta brtva	brush gasket	Lkr	8
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
140.081 stoper krila (par)	sash stopper (even)		3
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

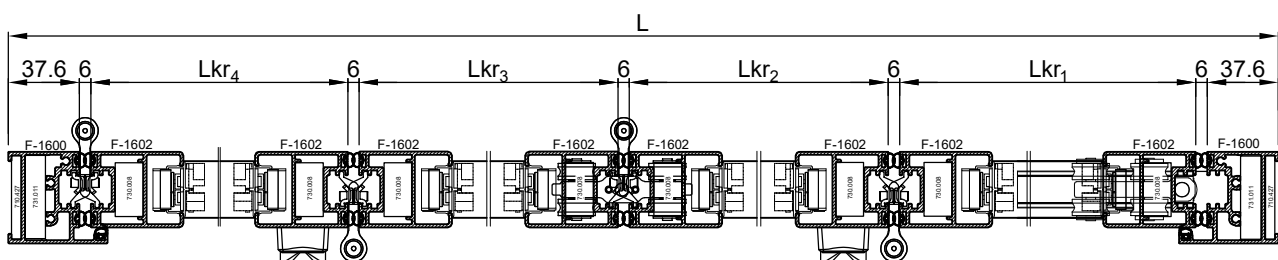
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

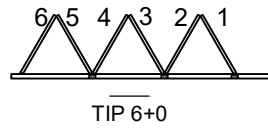
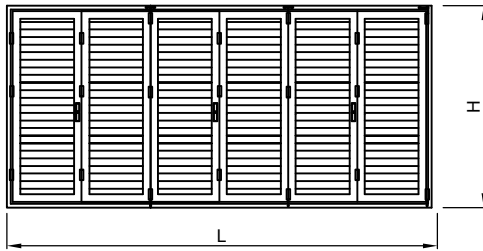
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.043





Broj krila 6+0  
Krila različite širine:  
Number sashes: 6+0  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz. sash profile	Lkr <sub>r</sub> =(L/6+15)	2	45-45
F-1602	vodoravnica krila	horiz. sash profile	Lkr <sub>r</sub> =(L/6-26.5)	10	45-45
F-1602	okomica krila	vert.sash profile	H-68.5	12	45-45
F-1612	profil praga	threshold profile	L-75	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074	profil ispune	infil profile	Lkr-110	6xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	12	90-90

**Kutne spojnice Corner brackets**

710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection element		2	
730.008	kutna spojnica	corner bracket		24	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		2	
140.078	kolica za parna krila	upper hinge for even sash		1	
140.076	pratilica za parna krila	lower guide for even sash		1	
116.014	šarka	hinge		14	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		3	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D	
140.073	meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		6	

**Brtve Gasket**

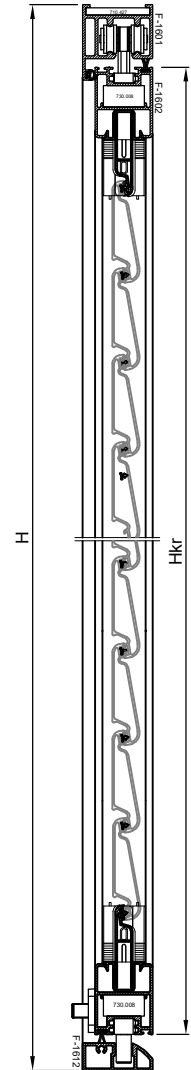
314.001	brtva u krilu i rami	gasket of sash and frame	Hkr	28	
321.001	brtva u rami-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u rami-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	12	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn	

**Dodaci Accessories**

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081	stoper krila (par)	sash stopper (even)		5	

**Vijci Screws**

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

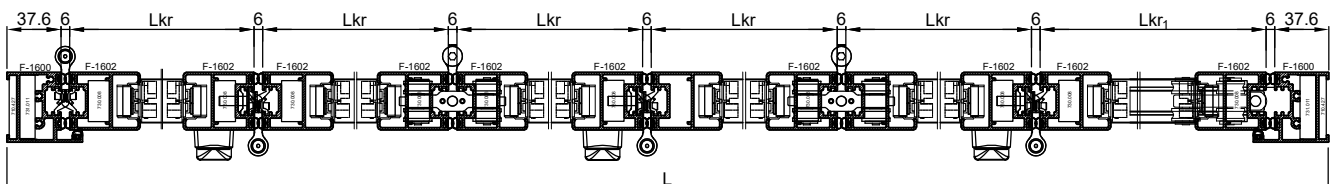
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

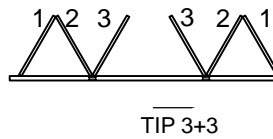
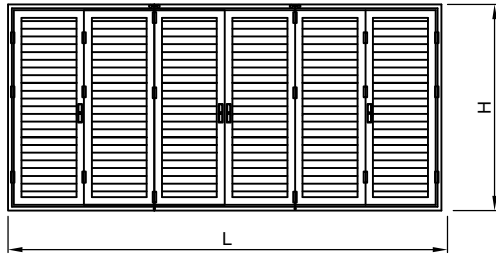
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

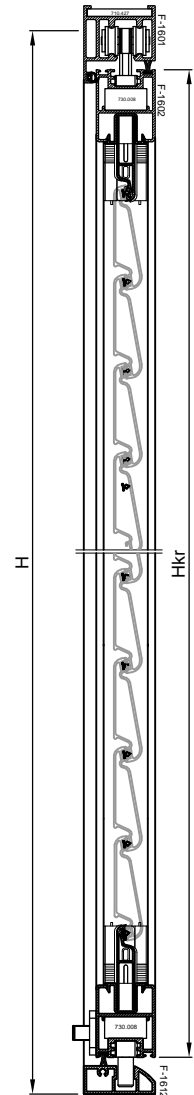
Determining the number of lamellas D45-074 is given in the table on p. 607.11.043





Broj krila 3+3  
Krila jednake širine:  
Number sashes: 3+3  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila	horiz. sash profile	Lkr=(L/6-19.5)	12 45-45
F-1602 okomica krila	vert.sash profile	H-68.5	12 45-45
F-1612 profil praga	threshold profile	L-75	1 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	4 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	4 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12 90-90
D45-074 profil ispune	infil profile	Lkr-110	6xn 90-90
D45-075 početni profil ispune	infil start profile	Lkr-104	12 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica (par)	corner bracket (even)		1
710.424 veznik	connection element		2
730.008 kutna spojnica	corner bracket		24
140.074 kolica za neparna krila	rapid upper hinge for odd sash		2
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		2
116.014 šarka	hinge		14
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		4
140.079 zapinjač	rod-end for latch		8
140.080 spojni blok	junction block for handle		4
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		6
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	28
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	12
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
140.081 stoper krila (par)	sash stopper (even)		4
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

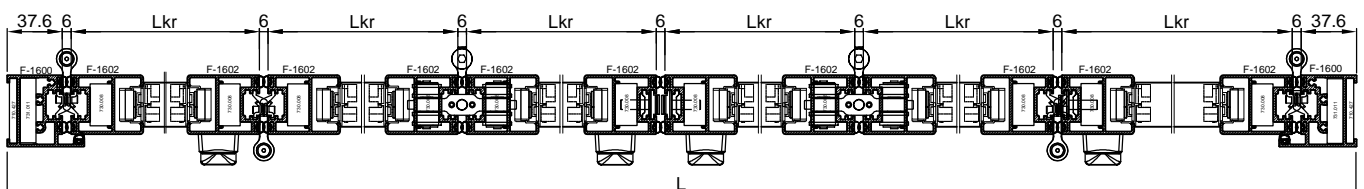
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

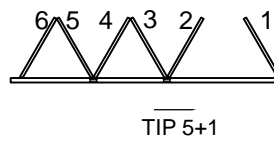
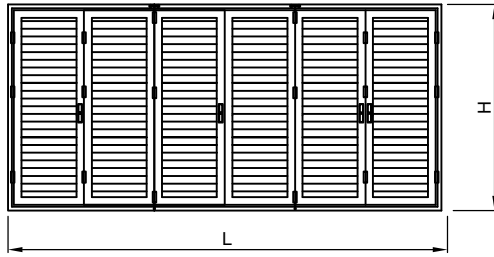
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

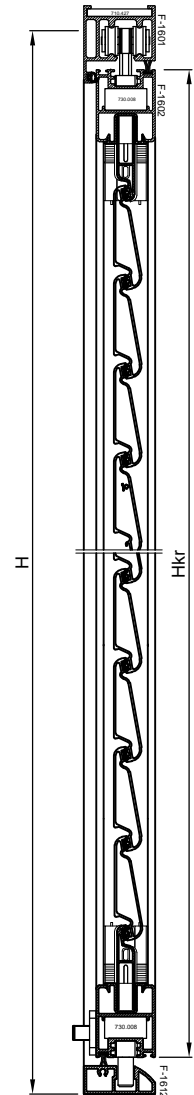
Determining the number of lamellas D45-074 is given in the table on p. 607.11.043





Broj krila 5+1  
Krila jednake širine:  
Number sashes: 5+1  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila	horiz. sash profile	Lkr=(L/6-19.5)	12 45-45
F-1602 okomica krila	vert.sash profile	H-68.5	12 45-45
F-1612 profil praga	threshold profile	L-75	1 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	4 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	4 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12 90-90
D45-074 profil ispune	infil profile	Lkr-110	6xn 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	12 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica (par)	corner bracket (even)		1
710.424 veznik	connection element		2
730.008 kutna spojnica	corner bracket		24
140.074 kolica za neparna krila	rapid upper hinge for odd sash		2
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		2
116.014 šarka	hinge		14
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		4
140.079 zapinjač	rod-end for latch		8
140.080 spojni blok	junction block for handle		4
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D
140.073 meh s ručicom za pokretnje lamelamech with handle for movable lamellae			6
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	28
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	12
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
140.081 stoper krila (par)	sash stopper (even)		4
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

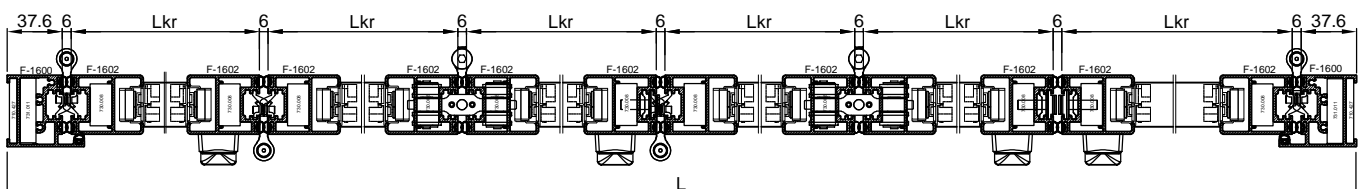
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

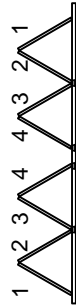
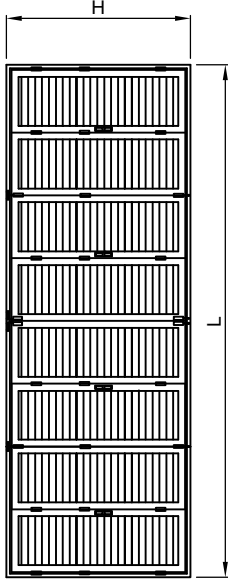
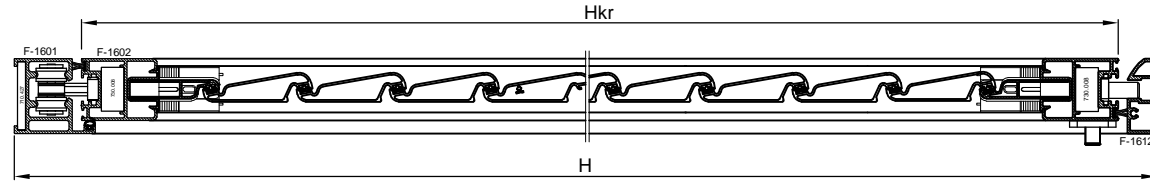
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.043





TIP 4+4

Broj krila 4+4  
Kрила nejednake širine:  
Number sashes: 4+4  
Sashes of different width

Broj lamela (D45-074) je  $n = (Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellae D45-074 is given in the table on p. 607.11.043

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okornica rama	H-37.5	2	90-90
F-1601 profil vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L/8-26.5)$	12	45-45
F-1602 vodoravnica krila	$Lkr_r=(L/8+15)$	4	45-45
F-1602 okornica krila	H-68.5	16	45-45
F-1612 profil praga	L-75	1	90-90
NC-1459 gornji klizač	$(Hkr-202)/2$	4	90-90
NC-1459 donji klizač	$(Hkr-202)/2$	4	90-90
Z40-740 uvodni profil	Lkr-98	16	90-90
D45-074 profil ispune	Lkr-110	8xn	90-90
D45-075 početni profil ispune	Lkr-104	16	90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica( par)	corner bracket (even)	1	
710.424 veznik	connection element	2	
730.008 kutna spojnica	corner bracket	32	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	2	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	2	
140.078 kolica za parna krila	upper hinge for even sash	2	
140.076 pratilica za parna krila	lower guide for even sash	2	
116.014 šarka	hinge	24	
107.005 šarka s ručkom(opcija)	handle hinge(optional)	4	
107.006 pogonska ručka	handle	4	
140.079 zapinjač	rod-end for latch	8	
140.080 spojni blok	junction block for handle	4	
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm	8L+8D	
140.073 meh s ručicom za pokretnje lamelamech with handle for movable lamellae		8	

### Brtve Gasket

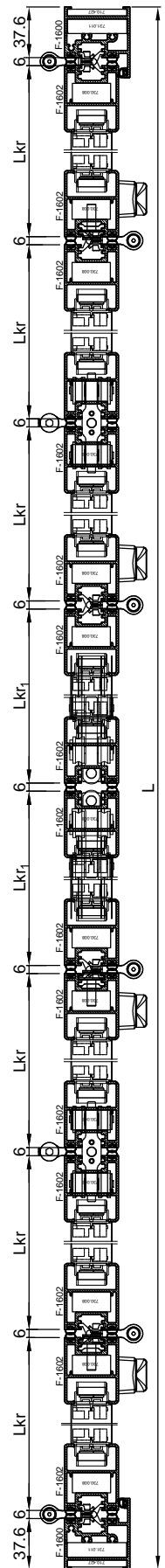
314.001 brtva u krilu i ramu	gasket of sash and frame	36	
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	2	
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	1	
347.006 četkasta brtva	brush gasket	16	
344.010 brtva na spoju lamela	gasket at join lamellae	8xn	

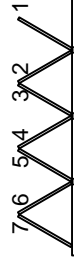
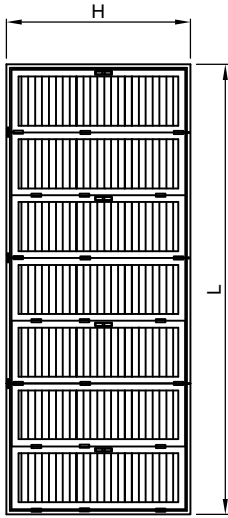
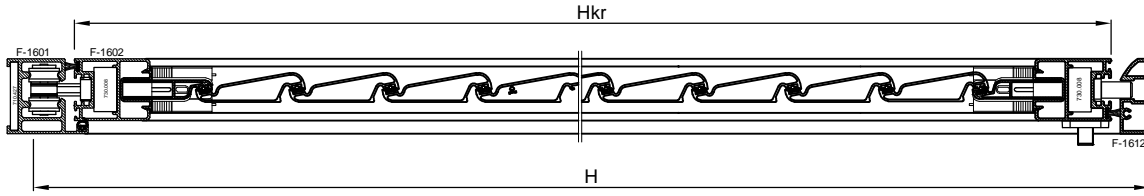
### Dodaci Accessories

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae	32	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae	32	
140.081 stoper krila (par)	sash stopper (even)	6	

### Vijci Screws

433.036 vijak	screw	6	
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TIP 7+0

Broj krila 7+0

Krila jednake širine:

Number sashes: 7+0

Sashes of equal width

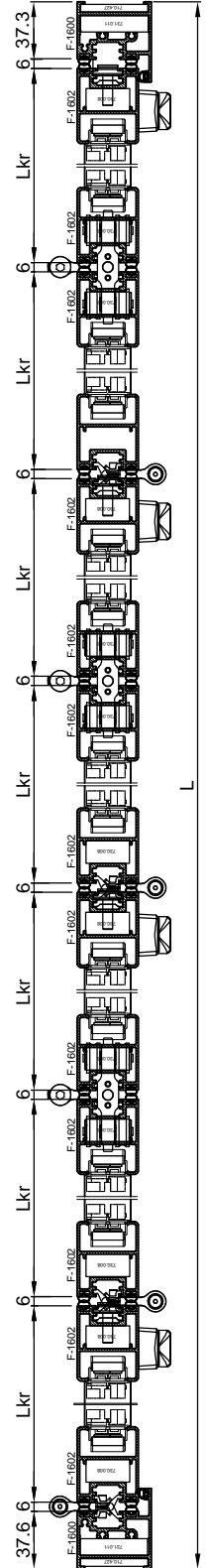
Broj lamela (D45-074) je  $n = (Hkr-202) / 60$   
Primer:  
Za mjeru krila  $Hkr=1102$  mm, broja lamela  
 $n=(1102-202) / 60 = 15$  kom  
Određivanje broja lamela D45-074 dato je tablično  
na str. 607.11.043

The number of lamellae (D45-074) is  $n =$   
(Hkr-202) / 60

Example:

For sash size  $Hkr=1102$  mm, number of slats  
 $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is  
given in the table on p. 607.11.043



naziv name	mjera (mm) measure (mm)	korn. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	H-37.5	2	90-90
F-1601 profil vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L-123)/7$	14	45-45
F-1602 okomica krila	H-68.5	14	45-45
F-1612 profil praگا	L-75	1	90-90
NC-1459 gornji klizač	$(Hkr-202)/2$	4	90-90
NC-1459 donji klizač	$(Hkr-202)/2$	4	90-90
Z40-740 uvodni profil	Lkr-98	14	90-90
D45-074 profil ispune	Lkr-110	7xn	90-90
D45-075 početni profil ispune	Lkr-104	14	90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica (par)	corner bracket (even)	1	
710.424 veznik	connection element	2	
730.008 kutna spojnica	corner bracket	28	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	3	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	3	
116.014 šarka	hinge	15	
107.005 šarka s ručkom(opcija)	handle hinge(optional)	3	
107.006 pogonska ručka	handle	4	
140.079 zapinjač	rod-end for latch	4	
140.080 spojni blok	junction block for handle	8	
140.040 element za pokretnu grijlju 25mm	a movable shutter element 25mm	7L+7D	
140.073 meh s ručicom za pokretnje lamelamech with handle for movable lamellae		7	

### Brtve Gasket

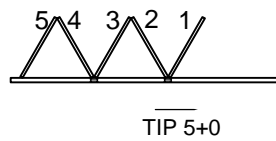
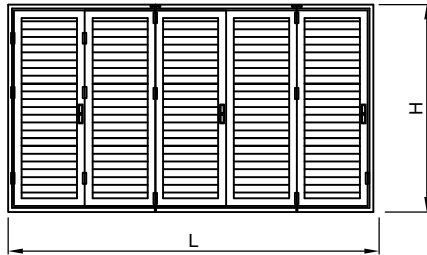
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	32
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	14
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	7xn

### Dodaci Accessories

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
140.081 stoper krila (par)	sash stopper (even)		6

### Vijci Screws

433.036 vijak	screw		6
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Broj krila 5+0  
Krila jednake širine:  
Number sashes: 5+0  
Sashes of equal width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz. sash profile	Lkr=(L/5-22.2)	10	45-45
F-1602	okomica krila	vert.sash profile	H-68.5	10	45-45
F-1612	profil praga	threshold profile	L-75	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	4	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	4	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074	profil ispune	infill profile	Lkr-110	6xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	12	90-90

#### Kutne spojnice Corner brackets

710.427	kutna spojnica( par)	corner bracket (even)		1	
710.424	veznik	connection element		2	
730.008	kutna spojnica	corner bracket		20	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		2	
116.014	šarka	hinge		14	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grijlju 25mm	a movable shutter element 25mm		6L+6D	
140.073	meh s ručicom za pokretnje lamelamech with handle for movable lamellae			6	

#### Brtve Gasket

314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	28	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	12	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn	

#### Dodaci Accessories

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081	stoper krila (par)	sash stopper (even)		4	

#### Vijci Screws

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

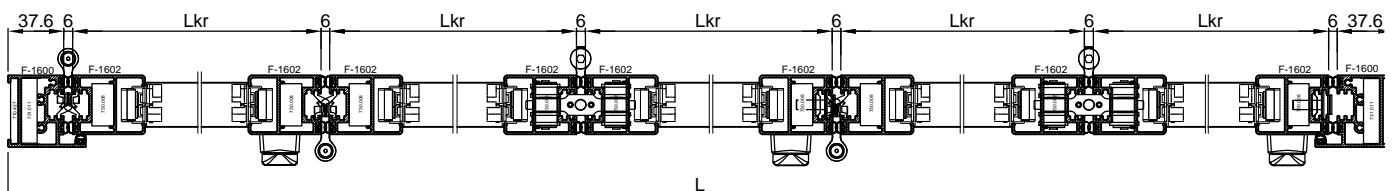
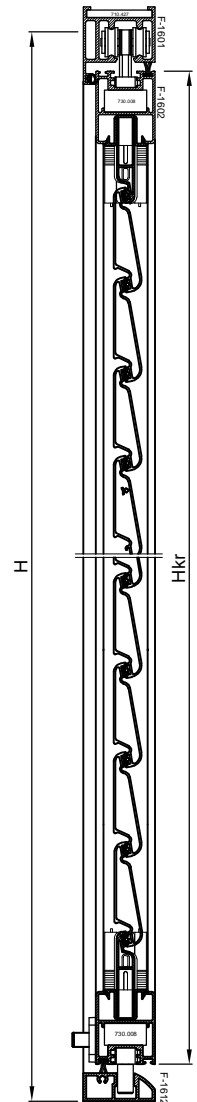
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

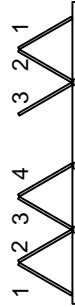
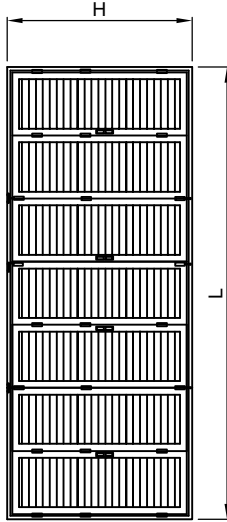
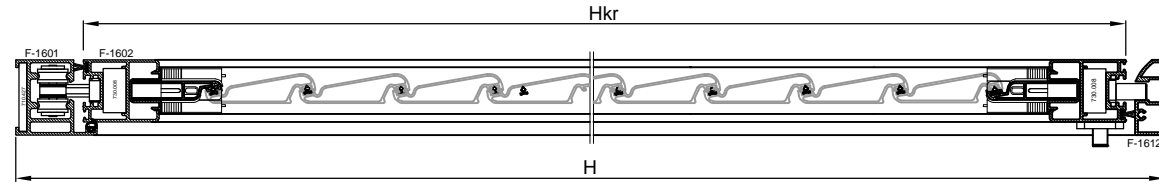
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.043





TIP 4+3

Broj krila 4+3  
Kriilo 4 različite širine:  
Kriila 1 2 3 jednake širine:

Number sashes: 4+3  
Sashes 4 of different width  
Sashes 1 2 3 same width

Broj lamela (D45-074) je  $n = (Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broj lamela  $n = (1102-202) / 60 = 15$  kom

Određivanje broja lamela D45-074 dato je tablično na str. 607.11.043

The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats

$n = (1102-202) / 60 = 15$  pcs

Determining the number of lamellae D45-074 is given in the table on p. 607.11.043

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	H-37.5	2	90-90
F-1601 profil vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L7-23.5)$	12	45-45
F-1602 vodoravnica krila	$Lkr=(L7+18)$	2	45-45
F-1602 okomica krila	H-68.5	16	45-45
F-1612 profil praga	L-75	1	90-90
NC-1459 gornji klizač	$(Hkr-202)/2$	4	90-90
NC-1459 donji klizač	$(Hkr-202)/2$	4	90-90
Z40-740 uvodni profil	Lkr-98	14	90-90
D45-074 profil ispune	Lkr-110	7xn	90-90
D45-075 početni profil ispune	Lkr-104	14	90-90

**Kutne spojnice Corner brackets**

710.427 kutna spojnica( par)	corner bracket (even)	1	
710.424 veznik	connection element	2	
730.008 kutna spojnica	corner bracket	28	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	2	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	2	
140.078 kolica za parna krila	upper hinge for even sash	1	
140.076 pratilica za parna krila	lower guide for even sash	1	
116.014 šarka	hinge	17	
107.005 šarka s ručkom(opcija)	handle hinge(optional)	4	
107.006 pogonska ručka	handle	4	
140.079 zapinjač	rod-end for latch	8	
140.080 spojni blok	junction block for handle	4	
140.040 element za pokretnu grijlju 25mm	a movable shutter element 25mm	8L+8D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae	8	

**Brtve Gasket**

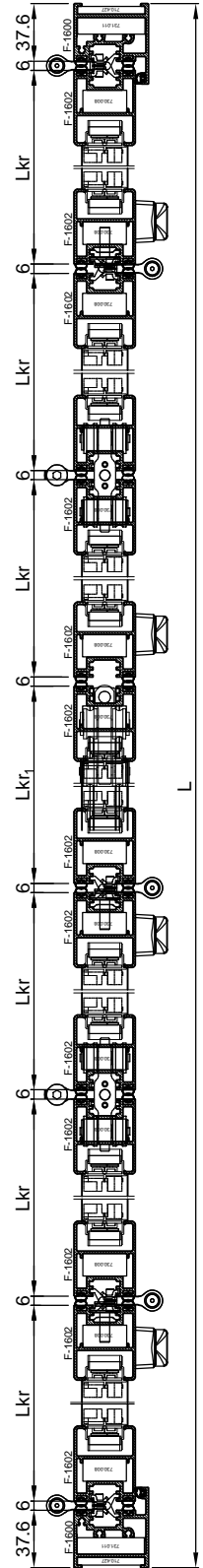
314.001 brtva u krilu i rama	gasket of sash and frame	36	
321.001 brtva u rama-vertikalna	gasket in frame-vert.	2	
321.001 brtva u rama-horizontalna	gasket in sash-horiz.	1	
347.006 četkasta brtva	brush gasket	16	
344.010 brtva na spoju lamela	gasket at join lamellae	8xn	

**Dodaci Accessories**

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae	28	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae	28	
140.081 stoper krila (par)	sash stopper (even)	6	

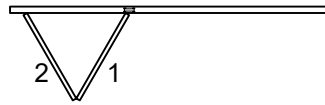
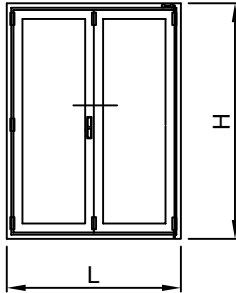
**Vijci Screws**

433.036 vijak	screw	6	
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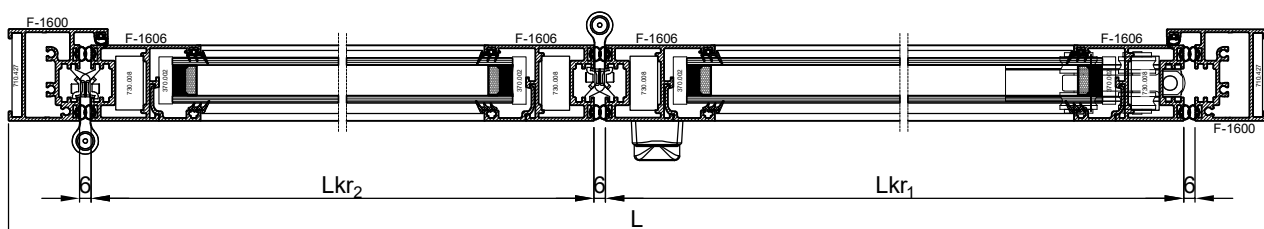
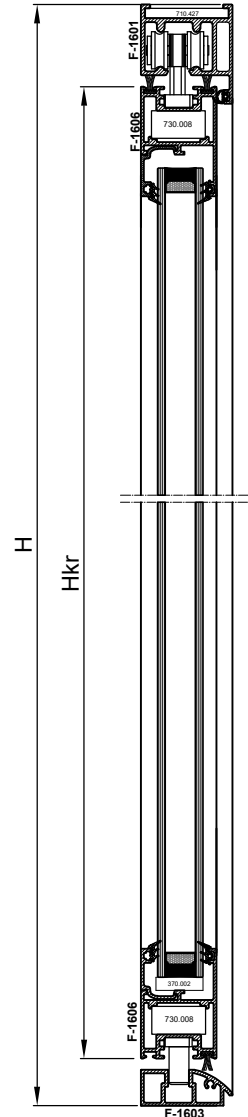
**Rezne liste**  
**Profil praga F-1603**  
Cutting lists  
Treshold profile F-1603

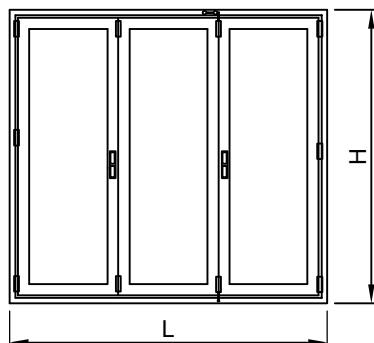




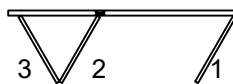
Broj krila 2+0  
Dva krila različite širine  
Number sashes: 2+0  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1603	profil praga	threshold profile	L-75	1	90-90
F-1606	vodoravnica krila 1	horiz. sash profile 1	$Lkr_1=L/2 -26$	2	45-45
F-1606	vodoravnica krila 2	horiz. sash profile 2	$Lkr_2=L/2-67.5$	2	45-45
F-1606	okomica krila	vert.sash profile	Hkr=H-68.5	4	45-45
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	1	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	1	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	4	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	4	90-90
<b>Okovi Hardware</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		8	
140.078	kolica za parna krila	rapid upper hinge for even sash		1	
140.076	pratilica za parna krila	rapid lower hinge for even sash		1	
116.014	šarka	hinge		6	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		1	
140.079	zapinjač	rod-end for latch		2	
140.080	spojni blok	junction block for handle		1	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	12	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	6	
311.001	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	2	
321.002	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	2	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		4	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	2	
140.081	stoper krila (par)	sash stopper (even)		1	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	





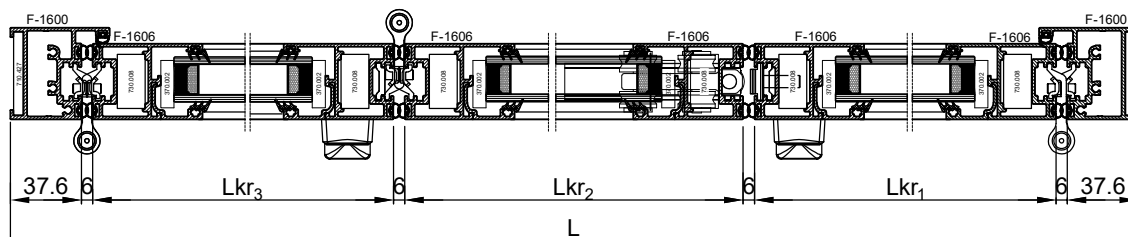
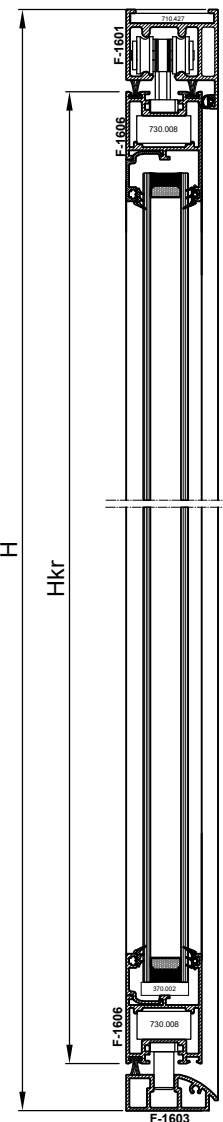
TIP 2+1

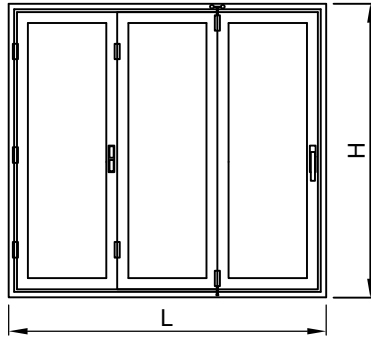


Broj krila 2+1  
Krila različitih dimenzija dizmenzija:

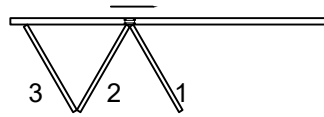
Number sashes: 2+1  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila 1-3	horiz.sash profile 1-3	$Lkr_{1-3}=L/3-47$	4	45-45
F-1606	vodoravnica krila 2	horiz.sash profile 2	$Lkr_2=L/3-5.5$	2	45-45
F-1606	okomica krila	vert.sash profile	Hkr=H-68.5	6	45-45
F-1603	profil praga	treshold profile	L-75	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	2	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	2	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	6	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	6	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		12	
140.078	kolica za parna krila	rapid upper hinge for even sash		1	
140.076	pratilica za parna krila	rapid lower hinge for even sash		1	
116.014	šarka	hinge		9	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		2	
140.079	zapinjač	rod-end for latch		4	
140.080	spojni blok	junction block for handle		2	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	16	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	9	
311.001	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	3	
321.002	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	3	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		6	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	3	
140.081	stoper krila (par)	sash stopper (even)		1	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	





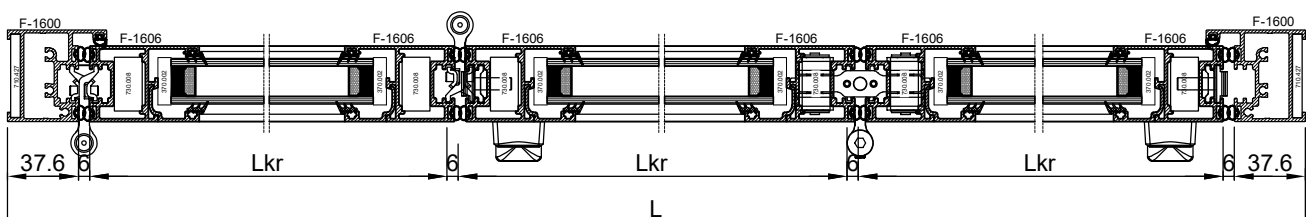
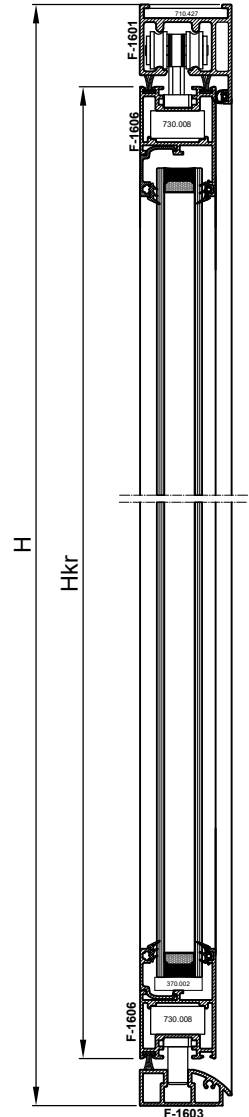
TIP 3+0

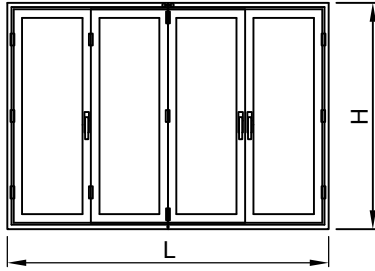


Broj krila 3+0  
Tri krila jednake širine:

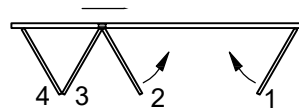
Number sashes: 3+0  
Sashes of equal width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila	horiz.sash profile	Lkr=(L-99)/3	6	45-45
F-1606	okomica krila	vert.sash profile	Hkr=H-68.5	6	45-45
F-1603	profil praga	threshold profile	L-75	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	2	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	2	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	6	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	6	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		12	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		1	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		1	
116.014	šarka	hinge		7	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		2	
140.079	zapinjač	rod-end for latch		4	
140.080	spojni blok	junction block for handle		2	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	16	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	9	
311.001	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	3	
321.002	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	3	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		6	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	3	
140.081	stoper krila (par)	sash stopper (even)		2	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	





TIP 3+1



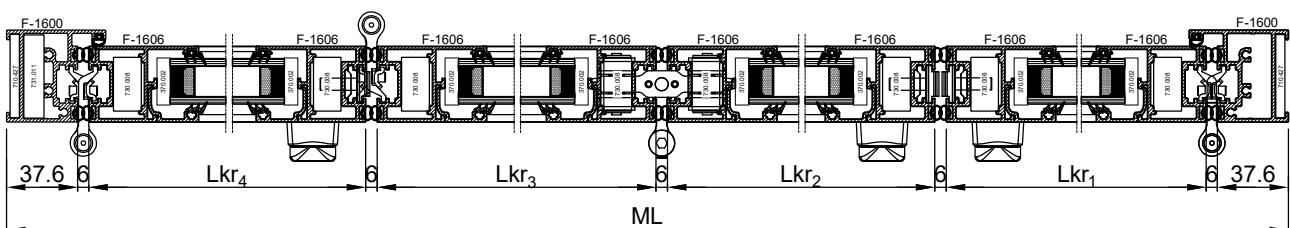
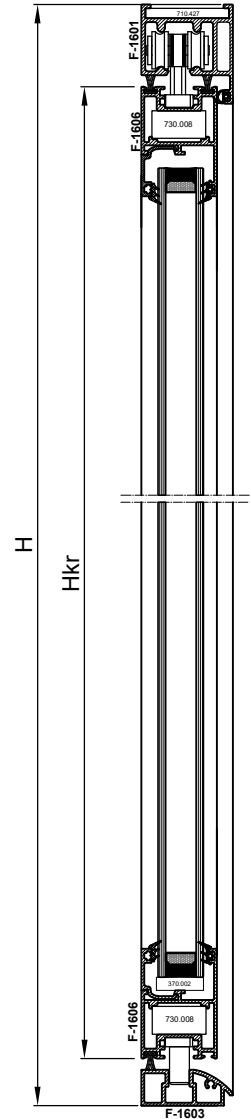
Broj krila 3+1

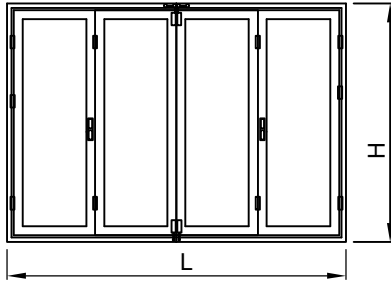
Četiri krila jednake širine:

Number sashes: 3+1

Sashes of equal width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila	horiz.sash profile	Lkr=L/4-26	8	45-45
F-1606	okomica krila	vert.sash profile	Hkr=H-68.5	8	45-45
F-1603	profil praga	threshold profile	L-75	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	8	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	8	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		16	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		1	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		1	
116.014	šarka	hinge		10	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		3	
140.079	čapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	20	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	12	
311.001	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	4	
321.002	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	4	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		8	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	4	
140.081	stoper krila (par)	sash stopper (even)		2	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	





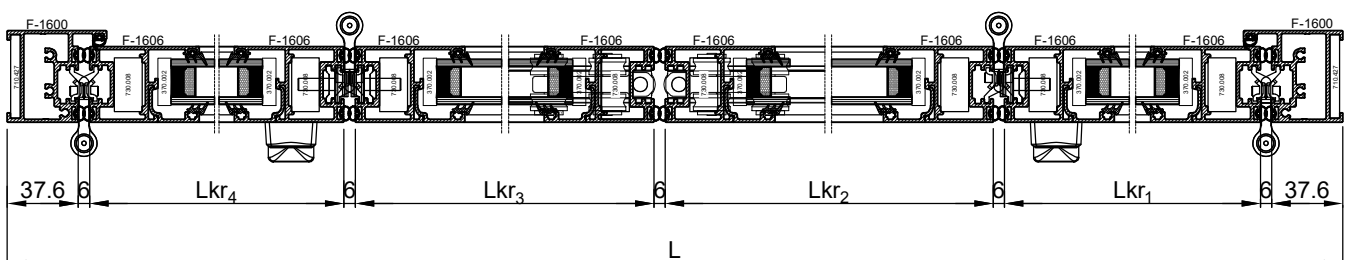
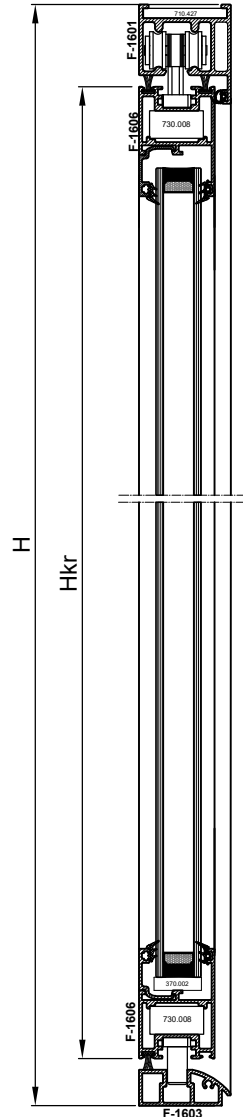
TIP 2+2

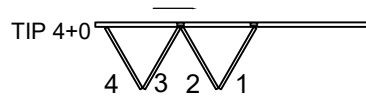
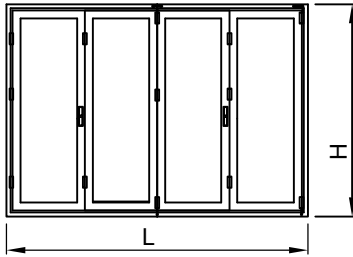


Broj krila 2+2  
Krila 2-3 jednake širine:  
Krila 1-4 jednake širine:

Number sash: 2+2  
Sashes of 2-3 equal width  
Sashes of 1-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1606 okomica krila	vert.sash profile	H-68.5	8 45-45
F-1606 vodoravnica krila 2-3	horiz. sash profile 2-3	$Lkr_{2,3}=L/4-5.5$	4 45-45
F-1606 vodoravnica krila 1-4	horiz. sash profile 1-4	$Lkr_{1,4}=L/4-47$	4 45-45
F-1603 profil praga	threshold profile	L-75	1 90-90
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	2 90-90
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	2 90-90
Z40-665 staklolajsna	glazing bead	Hkr-72	8 90-90
Z40-665 staklo lajsna	glazing bead	Lkr-116	8 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.078 kolica za parna krila	rapid upper hinge for even sash		2
140.076 pratilica za parna krila	rapid lower hinge for even sash		2
116.014 šarka	hinge		12
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	12
311.001 brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	4
321.002 brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	4
<b>Dodaci Accessories</b>			
370.000 podmetač za staklo	pvc pad		8
staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	$Lkr-86 \times Hkr-86$	4
140.081 stoper krila (par)	sash stopper (even)		2
<b>Vijci Screws</b>			
433.036 vijak	screw		6

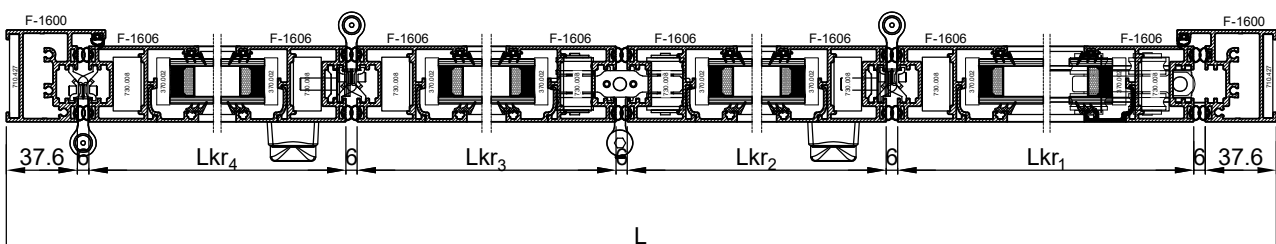
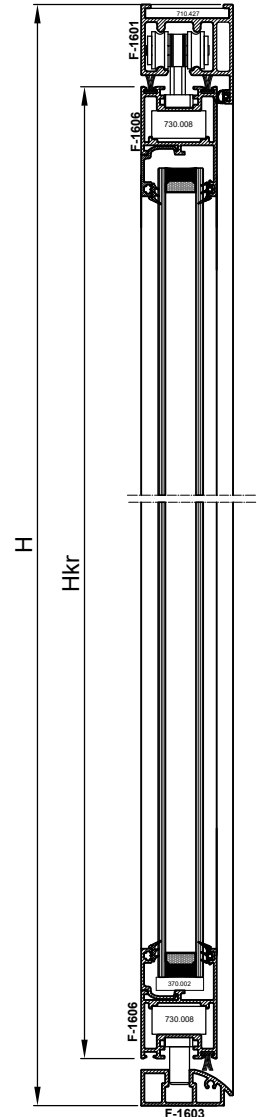


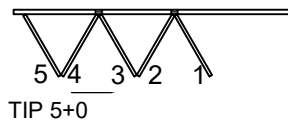
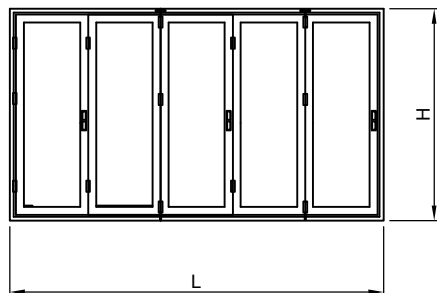


Broj krila 4+0  
Kрила 2-3-4 jednake širine:

Number sash: 4+0  
Sashes of 2-3-4 equal width

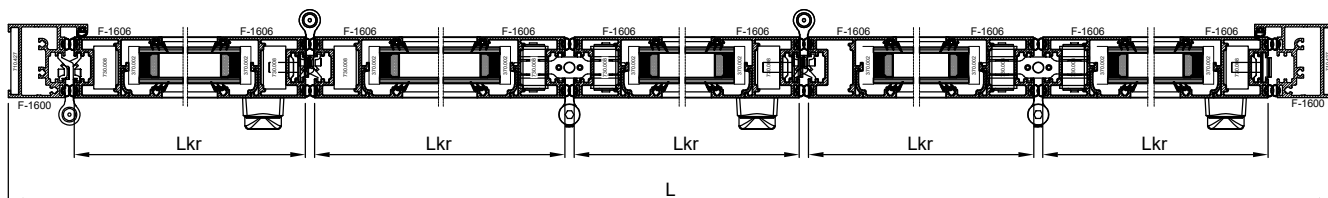
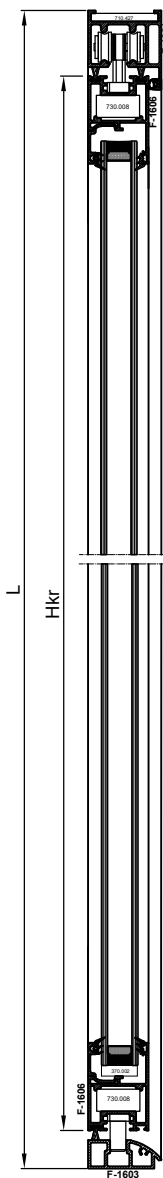
naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila 2-3-4	horiz. sash profile 2-3-4	$Lkr_{2-3-4}=L/4-36.5$	6	45-45
F-1606	vodoravnica krila 1	horiz. sash profile 1	$Lkr_1=L/4+4.8$	2	45-45
F-1603	profil praga	reshold profile	L-75	1	90-90
F-1606	okomica krila	vert.sash profile	Hkr=H-68.5	8	45-45
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	2	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	2	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	8	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	8	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		16	
140.078	kolica za parna krila	rapid upper hinge for even sash		1	
140.076	pratilica za parna krila	rapid lower hinge for even sash		1	
116.014	šarka	hinge		10	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006	pogonska ručka	handle		2	
140.079	zapinjač	rod-end for latch		4	
140.080	spojni blok	junction block for handle		2	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		1	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		1	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	20	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	9	
311.001	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	4	
321.002	brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	4	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		8	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	4	
140.081	stoper krila (par)	sash stopper (even)		3	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	

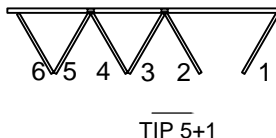
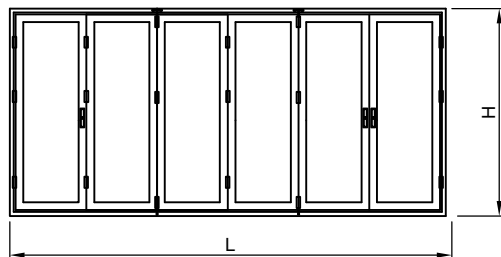




Broj krila 5+0  
Krila jednake širine:  
Number sashes: 5+0  
Sashes of equal width

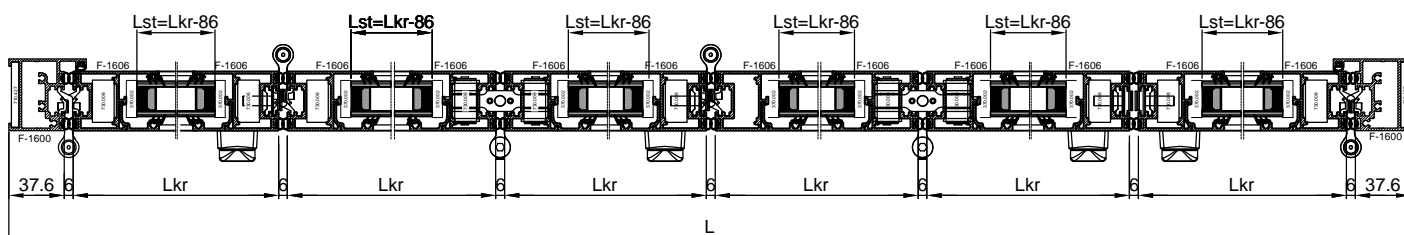
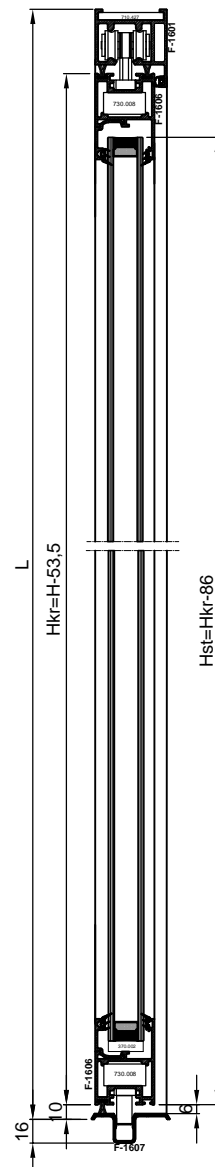
naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila	horiz. sash profile	$Lkr=(L-111)/5$	10	45-45
F-1603	profil praga	threshold profile	L-75	1	90-90
F-1606	okomica krila	vert.sash profile	$Hkr=H-68.5$	10	45-45
NC-1459	gornji klizač	upper slider	$(Hkr-202)/2$	3	90-90
NC-1459	donji klizač	lower slider	$(Hkr-202)/2$	3	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	10	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	10	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		20	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		2	
116.014	šarka	hinge		11	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	20	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	15	
311.001	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	5	
321.002	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	5	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		10	
staklo IZO 24 mm (4+16+4)		glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	5	
140.081	stoper krila (par)	sash stopper (even)		4	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	

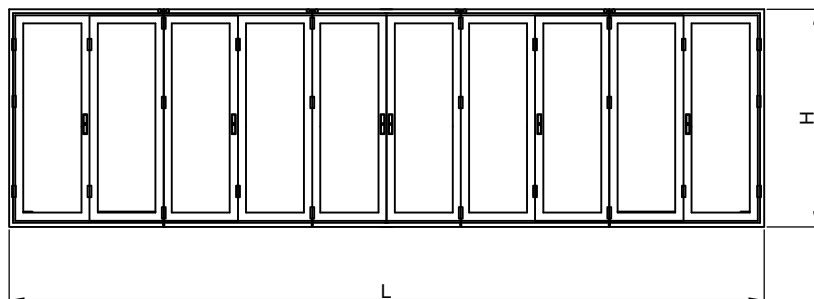




Broj krila 5+1  
Krila jednake širine:  
Number sashes: 5+1  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	planje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-41.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1606 vodoravnica krila	horiz. sash profile	Lkr=(L/6-19.5)	12 45-45
F-1606 okomica krila	vert.sash profile	Hkr=H-53,5	12 45-45
F-1607 profil praga	threshold profile	L	1 90-90
Z40-656 staklo lajsna	threshold profile	Lkr-72	12 90-90
Z40-656 staklo lajsna	threshold profile	Hkr-116	12 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	4 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	4 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica ( par)	corner bracket ( even)		1
730.008 kutna spojnica	corner bracket		24
140.074 kolica za neparna krila	rapid upper hinge for odd sash		2
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		2
116.014 šarka	hinge		14
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		4
140.079 zapinjač	rod-end for latch		8
140.080 spojni blok	junction block for handle		4
370.069 poklopac za reviziju kolica	cover plug for replace rollers		4
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	28
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	15
311.001 brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	6
321.002 brtva prema staklu	gasket to the glass	2(Hkr+Lkr)	6
<b>Dodaci Accessories</b>			
370.000 podmetač za staklo	pvc pad		10
staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	5
140.081 stoper krila (par)	sash stopper (even)		4
<b>Vijci Screws</b>			
433.036 vijak	screw		6

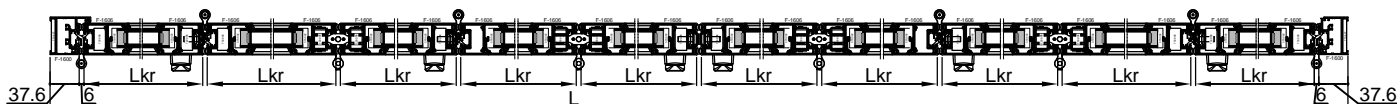
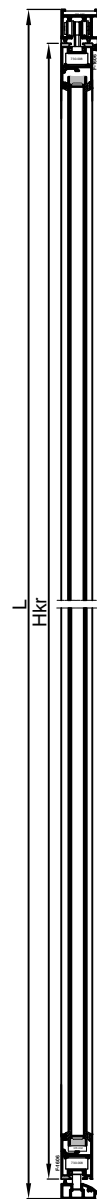




Broj krila 5+5  
Krila jednake širine:  
Number sashes: 5+5  
Sashes of equal width



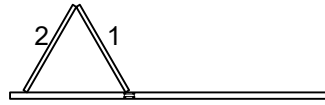
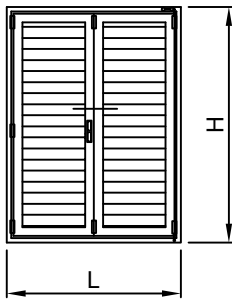
naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1606	vodoravnica krila	horiz. sash profile	$Lkr=(L-141.2)/10$	20	45-45
F-1603	profil praga	threshold profile	L-75	1	90-90
F-1606	okomica krila	vert.sash profile	$Hkr=H-68.5$	20	45-45
NC-1459	gornji klizač	upper slider	$(Hkr-202)/2$	6	90-90
NC-1459	donji klizač	lower slider	$(Hkr-202)/2$	6	90-90
Z40-665	staklolajsna	glazing bead	Hkr-72	20	90-90
Z40-665	staklo lajsna	glazing bead	Lkr-116	20	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		40	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		4	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		4	
116.014	šarka	hinge		22	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		4	
107.006	pogonska ručka	handle		6	
140.079	zapinjač	rod-end for latch		12	
140.080	spojni blok	junction block for handle		6	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	40	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	30	
311.001	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	10	
321.002	brtva prema staklu	gasket to the glass	$2(Hkr+Lkr)$	10	
<b>Dodaci Accessories</b>					
370.000	podmetač za staklo	pvc pad		20	
	staklo IZO 24 mm (4+16+4)	glass IZO 24 mm (4+16+4)	Lkr-86xHkr-86	10	
140.081	stoper krila (par)	sash stopper (even)		8	
<b>Vijci Screws</b>					
433.036	vijak	screw		12	





**Rezne liste**  
**Profil praga F-1607**  
Cutting lists  
Treshold profile F-1607

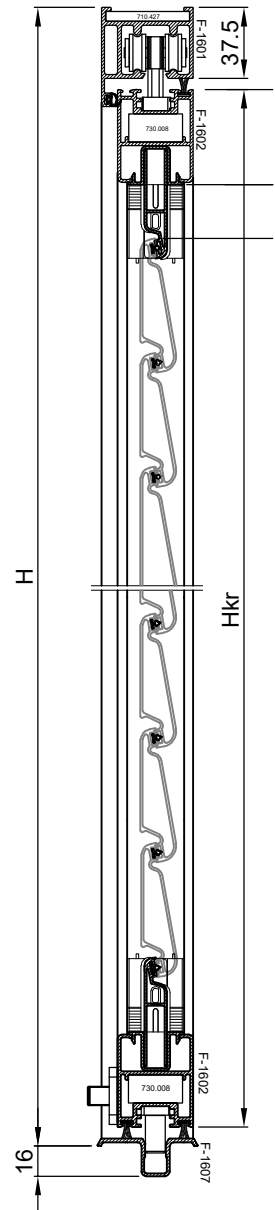




Broj krila 2+0  
Dva krila različite širine

Number sashes: 2+0  
Sashes of different width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-41.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila 1	horiz.sash profile 1	$Lkr_1=L/2-26$	2 45-45
F-1602 vodoravnica krila 2	horiz.sash profile 2	$Lkr_2=L/2-67.5$	2 45-45
F-1602 okomica krila	vert.sash profile	$Hkr=H-53.5$	4 45-45
F-1607 profil praga	reshold profile	L	1 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	1 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	1 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	4 90-90
D45-074 profil ispune	infill profile	Lkr-110	2xn 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	4 90-90
<b>Okovi Hardware</b>			
710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		8
140.078 kolica za parna krila	rapid upper hinge for even sash		1
140.076 pratilica za parna krila	rapid lower hinge for even sash		1
116.014 šarka	hinge		6
107.005 šarka s ručkom(opcija)	handle hinge(optional)		1
107.006 pogonska ručka	handle		1
140.079 zapinjač	rod-end for latch		2
140.080 spojni blok	junction block for handle		1
140.040 element za pokretnu griju 25mm	a movable shutter element 25mm		2L+2D
140.073 meh s ručicom za pokretnje lamelamech with handle for starting			2
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	12
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	2xn
347.006 četkasta brtva	brush gasket	Lkr	6
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		8
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		8
140.081 stoper krila (par)	sash stopper (even)		1
<b>Vijci Screws</b>			
433.032 vijak	screw		4
433.036 vijak	screw		8



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

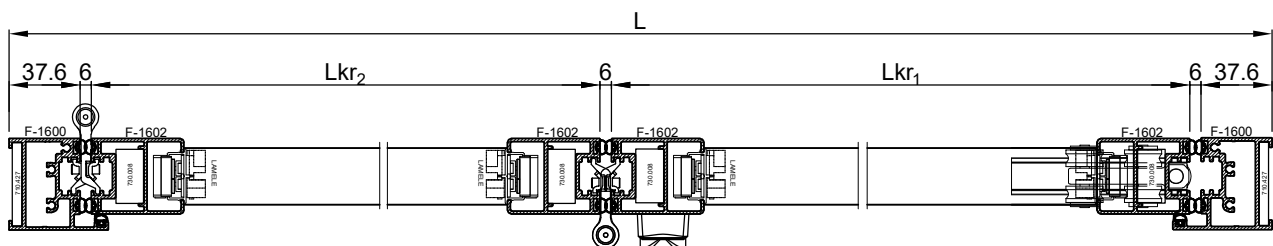
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

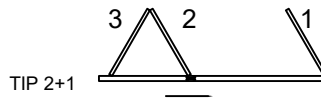
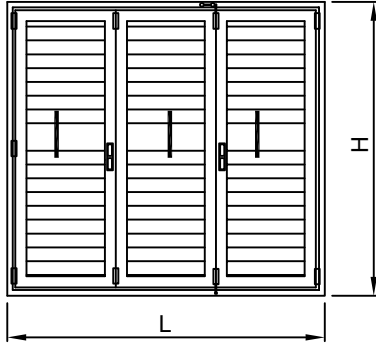
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044





Broj krila 2+1  
Krila različite širine:

Number sashes: 2+1  
Sashes of different width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-41.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila 1-3	horiz.sash profile 1-3	$Lkr_{1-3}=L/3-47$	4 45-45
F-1602 vodoravnica krila 2	horiz.sash profile 2	$Lkr_2=L/3-5$	2 45-45
F-1602 okomica krila	vert.sash profile	$Hkr=H-53.5$	6 45-45
F-1607 profil praga	threshold profile	L	1 90-90
Z40-724 profil prečke	mullion profile	Lk-58	3 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	2 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	2 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12 90-90
D45-074 profil ispune	infill profile	Lkr-110	$3x(n_1+n_2)$ 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	12 90-90

**Kutne spojnice Corner brackets**

710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		12
140.078 kolica za parna krila	rapid upper hinge for even sash		1
140.076 pratilica za parna krila	rapid lower hinge for even sash		1
116.014 šarka	hinge		9
107.005 šarka s ručkom(opcija)	handle hinge(optional)		1
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
140.040 element za pokretnu grijlu 25mm	a movable shutter element 25mm		$6L+6D$
140.073 meh s ručiom za pokretanje lamelamech with handle for starting			6

**Brtve Gasket**

314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	12
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	$3x(n_1+n_2)$
347.006 četkasta brtva	brush gasket	Lkr	9

**Dodaci Accessories**

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
140.081 stoper krila (par)	sash stopper (even)		1

**Vijci Screws**

433.032 vijak	screw		4
433.036 vijak	screw		8

Broj lamela (D45-074) je  $n_1=n_2=(Hkr-370) / 120$

Primjer:

Za mjeru krila Hkr=1690 mm, broja lamela  $n=(1690-370) / 120 = 11$  kom

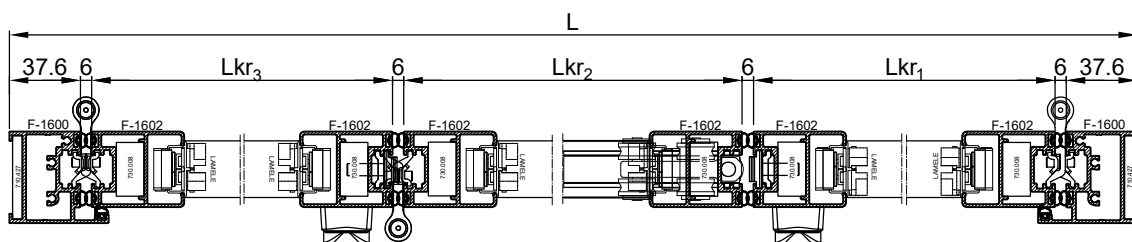
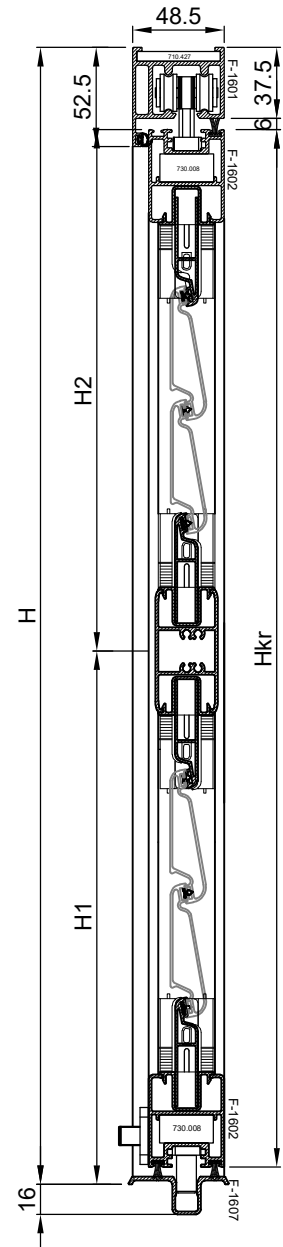
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.045

The number of lamellae (D45-074) is  $n_1=n_2 = (Hkr-370) / 120$

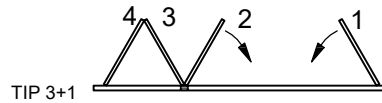
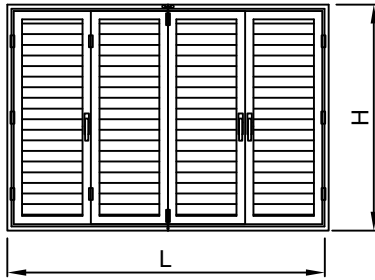
Example:

For sash size Hkr=1102 mm, number of slats  $n=(1690-370) / 120 = 11$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.045



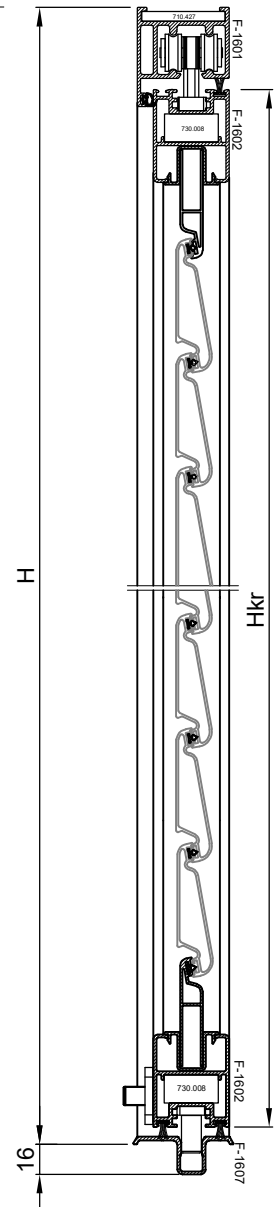




Broj krila 3+1  
Četiri krila jednake širine:

Number sashes: 3+1  
Sashes of equal width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-41.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz.sash profile	Lkr=ML/4-26	8	45-45
F-1602	okomica krila	vertical sash profile	Hkr=MH-53.5	8	45-45
F-1607	profil praga	threshold profile	L	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	8	90-90
D45-074	profil ispune	infill profile	Lkr-110	4xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	8	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
710.424	veznik	connection elements		2	
730.008	kutna spojnica	corner bracket		16	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		1	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		1	
116.014	šarka	hinge		10	
107.005	šarka s ručkom	handle hinge		1	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		4L+4D	
140.073	meh s ručiom za pokretanje lamela	mech with handle for starting		4	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	12	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn	
347.006	četkasta brtva	brush gasket	Lkr	12	
<b>Dodaci Accessories</b>					
370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
140.081	stoper krila (par)	sash stopper (even)		2	
<b>Vijci Screws</b>					
433.032	vijak	screw		4	
433.036	vijak	screw		8	



Broj lamela (D45-074) je  $n = (Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n = (1102-202) / 60 = 15$  kom

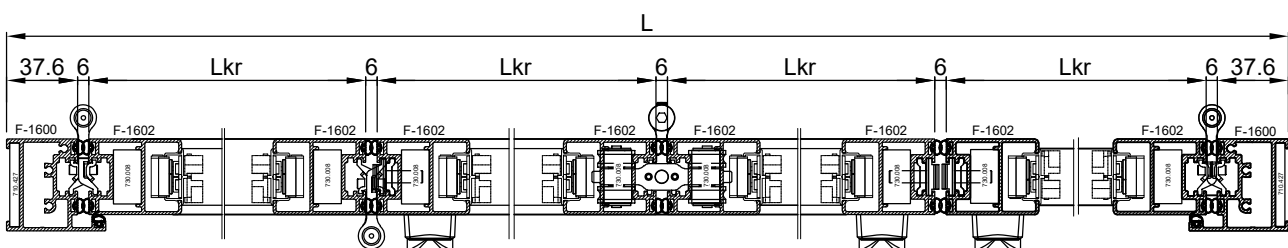
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

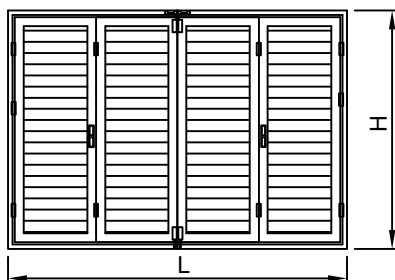
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n = (1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044





TIP 2+2



Broj krila 2+2  
Krila 2-3 jednake širine:  
Krila 1-4 jednake širine:

Number sashes: 2+2  
Sashes of 2-3 equal width  
Sashes of 1-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-41.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila 2-3	horiz.sash profile 2-3	$Lkr_{2,3}=L/4-5.5$	4 45-45
F-1602 vodoravnica krila 1-4	horiz.sash profile 1-4	$Lkr_{1,4}=L/4-47$	4 45-45
F-1602 okomica krila	vert.sash profile	H-53.5	8 45-45
F-1607 profil praga	reshold profile	L	1 90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	2 90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	2 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	8 90-90
D45-074 profil ispune	infill profile	Lkr-110	4xn 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	8 90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.078 kolica za parna krila	rapid upper hinge for even sash		2
140.076 pratilica za parna krila	rapid lower hinge for even sash		2
116.014 šarka	hinge		12
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		4L+4D
140.073 meh s ručicom za pokretnje lamelamech with handle for starting			4

### Brtve Gasket

314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn
347.006 četkasta brtva	brush gasket	Lkr	12

### Dodaci Accessories

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
140.081 stoper krila (par)	sash stopper (even)		2

### Vijci Screws

433.032 vijak	screw		4
433.036 vijak	screw		8

Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

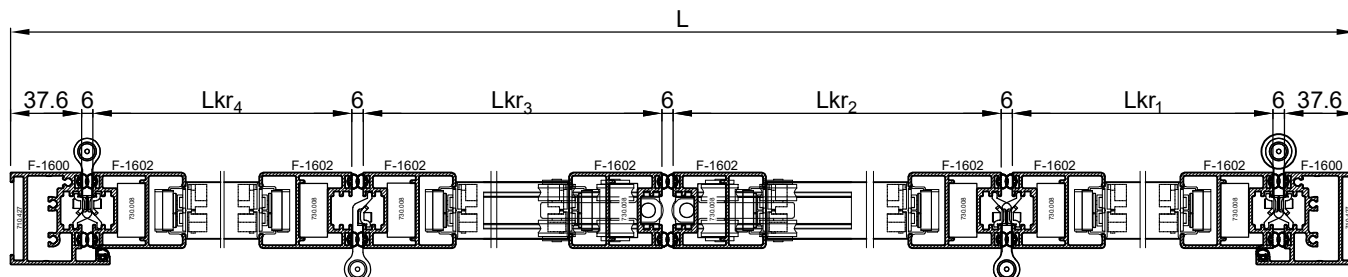
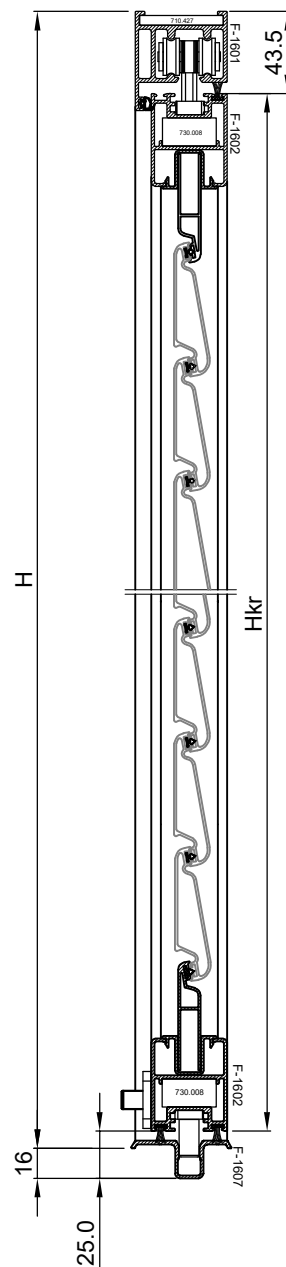
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

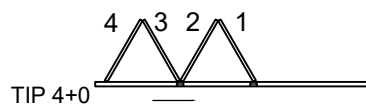
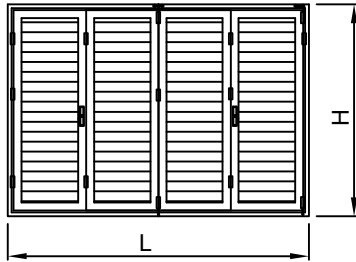
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044

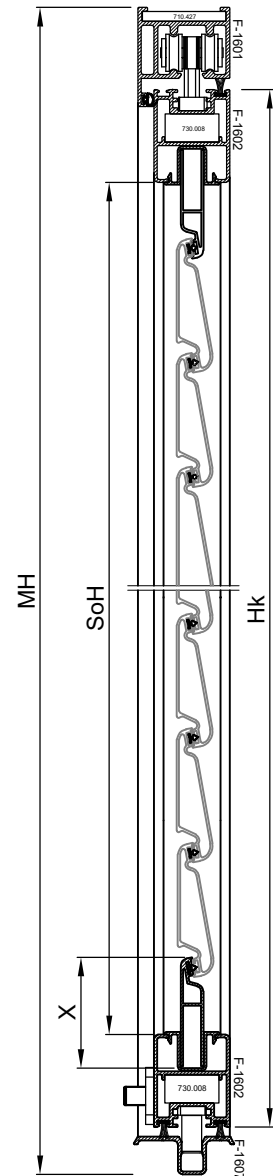




Broj krila 4+0  
Krila 2-3-4 jednake širine:

Number sashes: 4+0  
Sashes of 2-3-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-41.5	2 90-90
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila 2-3-4	horiz.sash profile 2-3-4	$Lkr_{2-3-4}=L/4-36.5$	6 45-45
F-1602 vodoravnica krila 1	horiz.sash profile 1	$Lkr_1=L/4+4.8$	2 45-45
F-1602 okomica krila	vert.sash profile	$Hkr=H-53.5$	8 45-45
F-1607 profil praga	threshold profile	L	1 90-90
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	2 90-90
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	2 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	8 90-90
D45-074 profil ispune	infill profile	Lkr-110	4xn 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	8 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica	corner bracket		2
710.424 veznik	connection elements		2
730.008 kutna spojnica	corner bracket		16
140.078 kolica za parna krila	rapid upper hinge for even sash		1
140.076 pratilica za parna krila	rapid lower hinge for even sash		1
116.014 šarka	hinge		10
107.005 šarka s ručkom	handle hinge		2
107.006 pogonska ručka	handle		2
140.079 zapinjač	rod-end for latch		4
140.080 spojni blok	junction block for handle		2
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		4L+4D
140.073 meh s ručicom za pokretnje lamela	mech with handle for starting		4
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		1
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	20
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn
347.006 četkasta brtva	brush gasket	Lkr	12
<b>Dodaci Accessories</b>			
370.064 umetak za pokretnu grilju	insert for movable shutter		8
370.065 umetak za pokrtnu grilju	insert for movable shutter		8
140.081 stoper krila (par)	sash stopper (even)		3
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16
140.081 stoper krila (par)	sash stopper (even)		3
<b>Vijci Screws</b>			
433.032 vijak	screw		4
433.036 vijak	screw		8



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

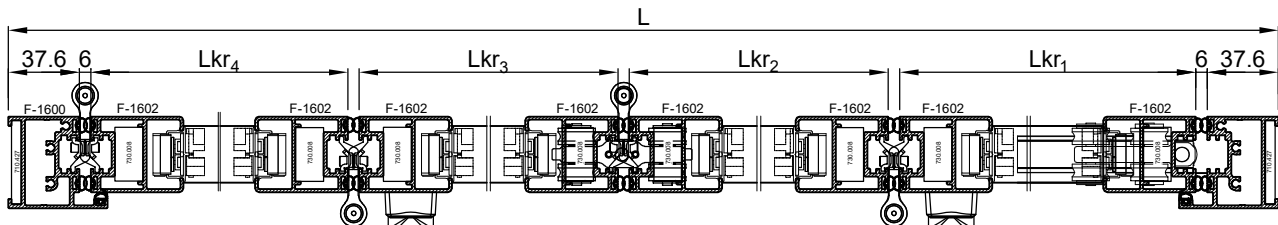
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

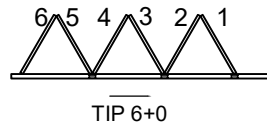
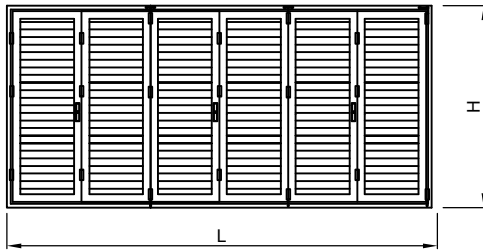
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044





Broj krila 6+0  
Krila različite širine:  
Number sashes: 6+0  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-41.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz. sash profile	Lkr <sub>r</sub> =(L/6+15)	2	45-45
F-1602	vodoravnica krila	horiz. sash profile	Lkr <sub>r</sub> =(L/6-26.5)	10	45-45
F-1602	okomica krila	vert.sash profile	H-53.5	12	45-45
F-1607	profil praga	threshold profile	L	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074	profil ispune	infill profile	Lkr-110	6xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	12	90-90

**Kutne spojnice Corner brackets**

710.427	kutna spojnica( par)	corner bracket (even)		1	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		24	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		2	
140.078	kolica za parna krila	upper hinge for even sash		1	
140.076	pratilica za parna krila	lower guide for even sash		1	
116.014	šarka	hinge		14	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		3	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D	
140.073	meh s ručicom za pokretnje lamelae	mech with handle for movable lamellae		6	

**Brtve Gasket**

314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	28	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	18	
344.010	brtva na spoju lamelae	gasket at join lamellae	Lkr-108	6xn	

**Dodaci Accessories**

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081	stoper krila (par)	sash stopper (even)		5	

**Vijci Screws**

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

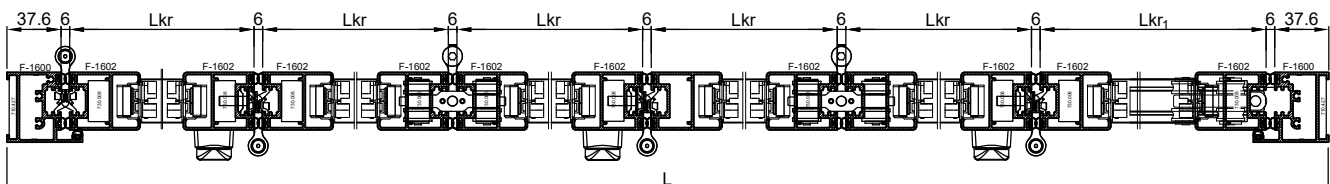
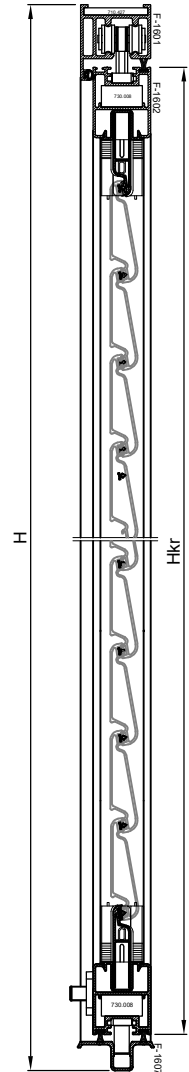
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

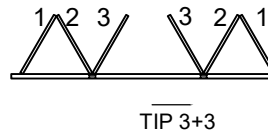
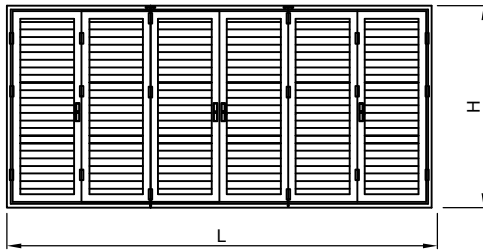
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044





Broj krila 3+3  
Krila jednake širine:  
Number sashes: 3+3  
Sashes of equal width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-41.5	2	90-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz. sash profile	Lkr=(L/6-19.5)	12	45-45
F-1602	okomica krila	vert.sash profile	H-53.5	12	45-45
F-1607	profil praga	threshold profile	L	1	90-90
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	4	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	4	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074	profil ispune	infil profile	Lkr-110	6xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	12	90-90

**Kutne spojnice Corner brackets**

710.427	kutna spojnica( par)	corner bracket (even)		1	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		24	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075	pratilica za neparna krila	rapid lower hinge for odd sash		2	
116.014	šarka	hinge		14	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006	pogonska ručka	handle		4	
140.079	zapinjač	rod-end for latch		8	
140.080	spojni blok	junction block for handle		4	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D	
140.073	meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		6	

**Brtve Gasket**

314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	28	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	18	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn	

**Dodaci Accessories**

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081	stoper krila (par)	sash stopper (even)		4	

**Vijci Screws**

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

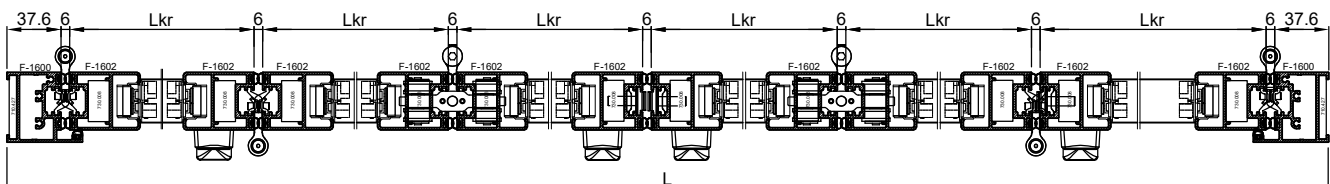
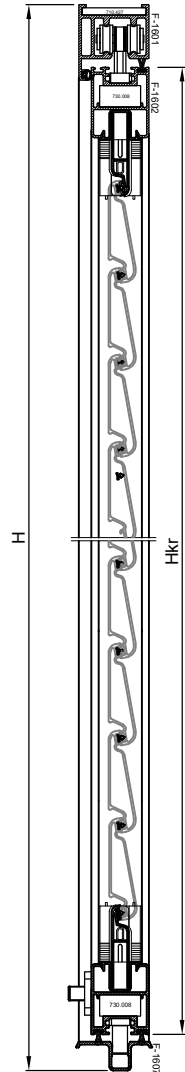
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044

The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

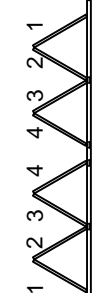
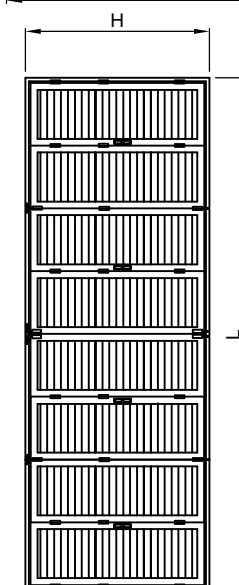
Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.044

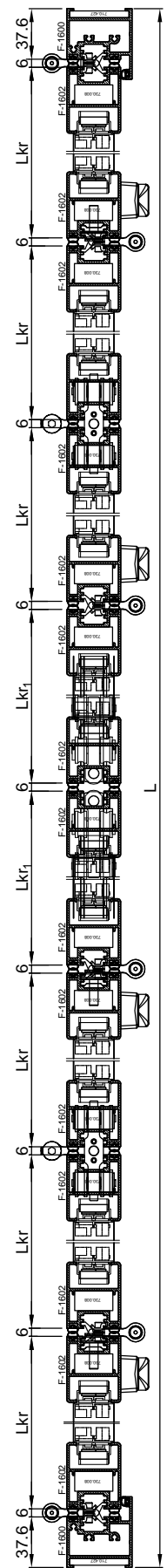


naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600	okornica rama	2	90-90
F-1601	profil vodilice	1	90-90
F-1602	vodoravnica krila	12	45-45
F-1602	vodoravnica krila	4	45-45
F-1602	okornica krila	16	45-45
F-1607	profil praga	1	90-90
NC-1459	gornji klizač	4	90-90
NC-1459	donji klizač	4	90-90
Z40-740	uvodni profil	4	90-90
D45-074	profil ispune	16	90-90
D45-075	početni profil ispune	8xn	90-90
<b>Kutne spojnice Corner brackets</b>			
710.427	kutna spojnica( par)	1	
731.011	kutna spojnica	2	
730.008	kutna spojnica	32	
140.074	kolica za neparna krila	2	
140.075	pratilica za neparna krila	2	
140.078	kolica za parna krila	2	
140.076	pratilica za parna krila	2	
116.014	šarka	20	
107.005	šarka s ručkom(opcija)	4	
107.006	pogonska ručka	4	
140.079	zapinjač	8	
140.080	spojni blok	4	
140.040	element za pokretnu grilju 25mm	8L+8D	
140.073	meh s ručicom za pokretnje lamelamech with handle for movable lamellae	8	
<b>Brtve Gasket</b>			
314.001	brtva u krilu i ramu	36	Hkr
321.001	brtva u ramu-vertikalna	2	H-52.5
321.001	brtva u ramu-horizentalna	1	L-75
347.006	četkasta brtva	16	Lkr
344.010	brtva na spoju lamela	8xn	Lkr-108
<b>Dodaci Accessories</b>			
370.064	umetak za početnu i zavr.lamelu	32	
370.065	umetak za početnu i zavr.lamelu	32	
140.081	stoper krila (par)	4	
<b>Vijci Screws</b>			
433.036	vijak	6	

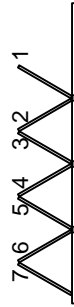
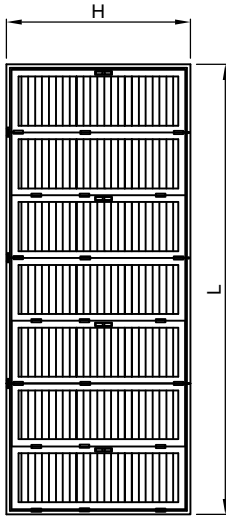
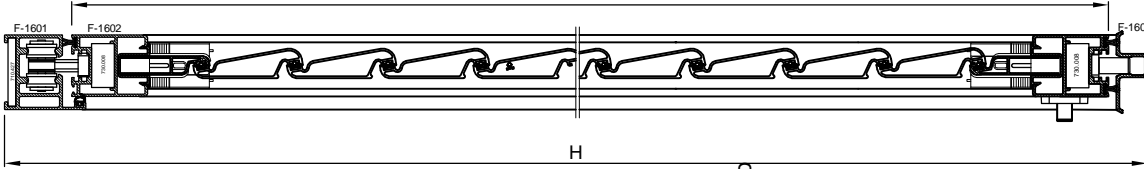


TIP 4+4  
Broj krila 4+4  
Kрила nejednake širine:  
Number sashes: 4+4  
Sashes of different width

Broj lamela (D45-074) je  $n = (Hkr-202) / 60$   
Primjer:  
Za mjeru krila Hkr=1102 mm, broja lamela  $n = (1102-202) / 60 = 15$  kom  
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.044  
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$   
Example:  
For sash size Hkr=1102 mm, number of slats  $n = (1102-202) / 60 = 15$  pcs  
Determining the number of lamellae D45-074 is given in the table on p. 607.11.044



## Hkr GH-40



TIP 7+0

Broj krila 7+0

Krila jednake širine:

Number sashes: 7+0

Sashes of equal width

Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela

$n=(1102-202) / 60 = 15$  kom

Određivanje broja lamela D45-074 dato je tablično

na str. 607.11.044

The number of lamellae (D45-074) is  $n =$

$(Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats

$n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is

given in the table on p. 607.11.044

naziv name	mjera (mm) measure (mm)	korn. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	H-41.5	2	90-90
F-1601 profil vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L-123)/7$	14	45-45
F-1602 okomica krila	H-53.5	14	45-45
F-1607 profil praگا	L	1	90-90
NC-1459 gornji klizač	$(Hkr-202)/2$	4	90-90
NC-1459 donji klizač	$(Hkr-202)/2$	4	90-90
Z40-740 uvodni profil	Lkr-98	14	90-90
D45-074 profil ispune	Lkr-110	7xn	90-90
D45-075 početni profil ispune	Lkr-104	14	90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica (par)	corner bracket (even)	1	
731.011 kutna spojnica	corner bracket	2	
730.008 kutna spojnica	corner bracket	28	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	3	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	3	
116.014 šarka	hinge	15	
107.005 šarka s ručkom	handle hinge	3	
107.006 pogonska ručka	handle	4	
140.079 zapinjač	rod-end for latch	4	
140.080 spojni blok	junction block for handle	8	
140.040 element za pokretnu griju 25mm	a movable shutter element 25mm	7L+7D	
140.073 meh s ručicom za pokretnje lamelamech with handle for movable lamellae		7	

### Brtve Gasket

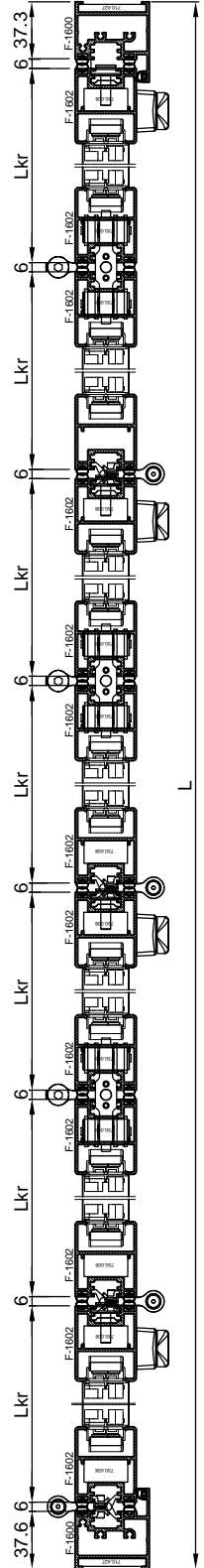
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	32
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	14
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	7xn

### Dodaci Accessories

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
140.081 stoper krila (par)	sash stopper (even)		4

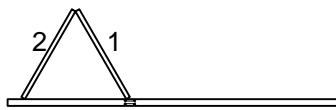
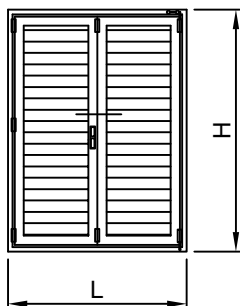
### Vijci Screws

433.036 vijak	screw		6
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Rezne liste  
Profil praga F-1600  
Cutting lists  
Treshold profile F-1600

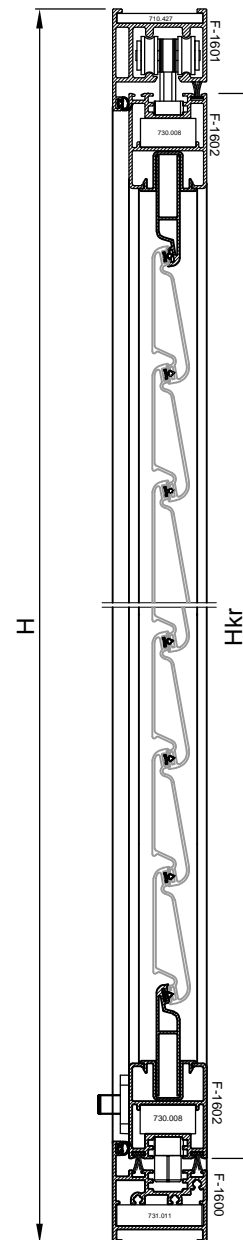




Broj krila 2+0  
Dva krila različite širine

Number sashes: 2+0  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila 1	horiz.sash profile 1	$Lkr_1=L/2-26$	2	45-45
F-1602	vodoravnica krila 2	horiz.sash profile 2	$Lkr_2=L/2-67.5$	2	45-45
F-1602	okomica krila	vert.sash profile	Hkr=H-87	4	45-45
F-1600	profil praga	threshold profile	L	1	45-45
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	1	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	1	90-90
D45-074	profil ispune	infill profile	Lkr-110	2xn	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	4	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	4	90-90
<b>Okovi Hardware</b>					
710.427	kutna spojnica(par)	corner bracket(even)		2	
731.011	kutnik	corner bracket		2	
730.008	kutna spojnica	corner bracket		8	
140.078	kolica za parna krila	rapid upper hinge for even sash		1	
140.083	pratilica za parna krila	rapid lower hinge for even sash		1	
116.014	šarka	hinge		6	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		1	
140.079	zapinjač (par)	rod-end for latch		2	
140.080	spojni blok	junction block for handle		1	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		2L+2D	
140.073	meh s ručicom za pokretnje lamela	mech with handle for starting		2	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	H-75	12	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001	brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	2xn	
347.006	četkasta brtva	brush gasket	Lkr	6	
<b>Dodaci Accessories</b>					
370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		8	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		8	
140.081	stoper krila (par)	sash stopper (even)		1	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

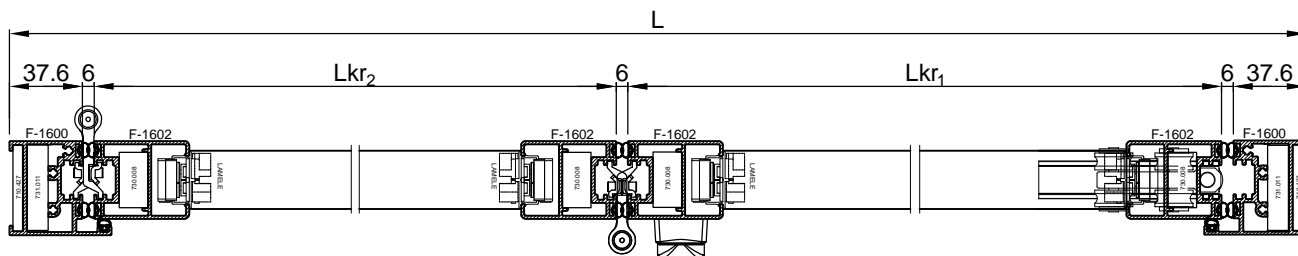
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

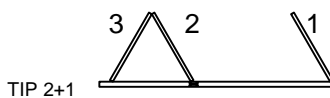
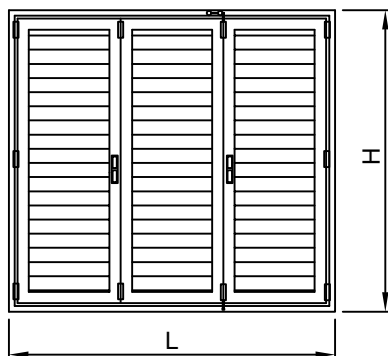
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  kom

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042

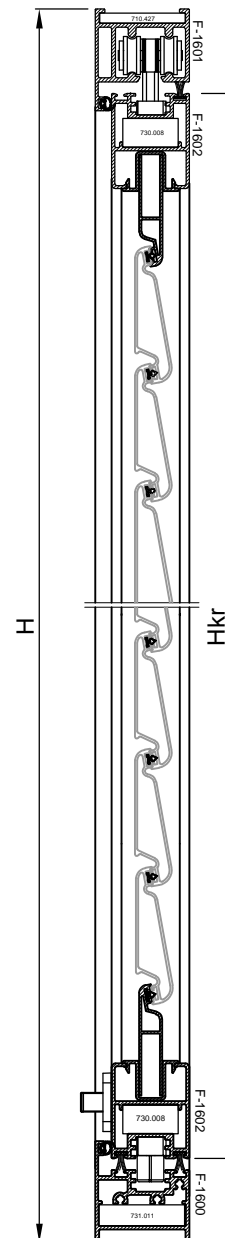




Broj krila 2+1  
Krila različite širine:

Number sashes: 2+1  
Sashes of different width

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila 1-3	horiz.sash profile 1-3	$Lkr_{1-3}=L/3-47$	4	45-45
F-1602	vodoravnica krila 2	horiz.sash profile 2	$Lkr_2=L/3-5$	2	45-45
F-1602	okomica krila	vert.sash profile	$Hkr=H-87$	6	45-45
F-1600	profil praga	reshold profile	L	1	45-45
NC-1459	gornji klizač	upper slider	$(Hkr-202)/2$	2	90-90
NC-1459	donji klizač	lower slider	$(Hkr-202)/2$	2	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	6	90-90
D45-074	profil ispune	infill profile	Lkr-110	3xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	6	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica(par)	corner bracket(even)		2	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		12	
140.078	kolica za parna krila	rapid upper hinge for even sash		1	
140.083	pratilica za parna krila	rapid lower hinge for even sash		1	
116.014	šarka	hinge		9	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		2	
140.079	zapinjač	rod-end for latch		4	
140.080	spojni blok	junction block for handle		2	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		3L+3D	
140.073	meh s ručiom za pokretanje lamela	mech with handle for starting		3	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	H-75	16	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	3xn	
347.006	četkasta brtva	brush gasket	Lkr	9	
<b>Dodaci Accessories</b>					
370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		12	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		12	
140.081	stoper krila (par)	sash stopper (even)		1	
<b>Vijci Screws</b>					
433.036	vijak	screw		6	



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

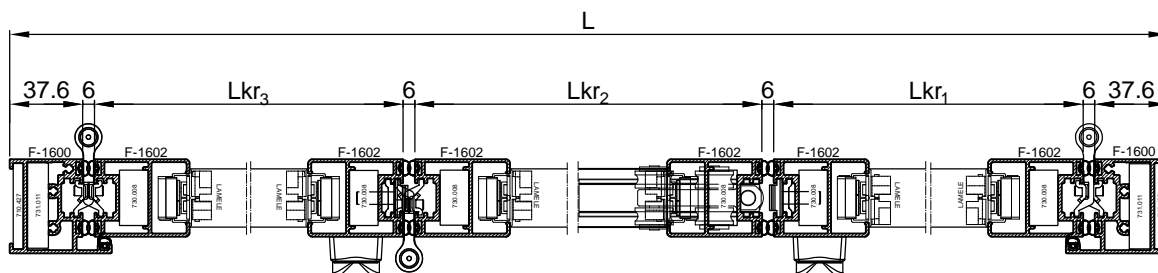
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

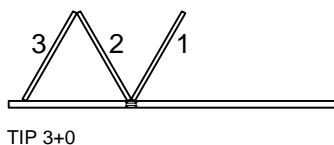
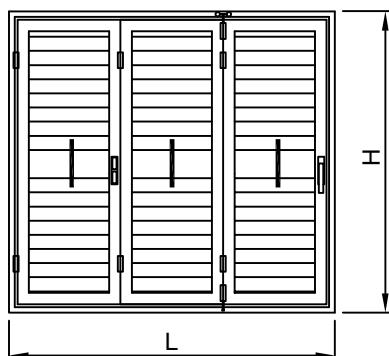
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042





Broj krila 3+0  
Tri krila jednake širine:

Number sashes: 3+0  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>				
F-1600 okomica rama	vertical frame profile	H-37-5	2	90-45
F-1601 profil vodilice	guide profile	L	1	90-90
F-1602 vodoravnica krila	horiz.sash profile	Lkr=(L-99)/3	6	45-45
F-1602 okomica krila	vertical sash profile	Hkr=H-87	6	45-45
F-1600 profil praga	threshold profile	L	1	45-45
Z40-724 profil prečke	mullion profile	Lk-58	3	90-90
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	1	90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	1	90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074 profil ispune	infill profile	Lkr-110	(n1+n2)x3	90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	12	90-90

### Kutne spojnice Corner brackets

710.427 kutna spojnica(par)	corner bracket(even)		2	
731.011 kutna spojnica	corner bracket		2	
730.008 kutna spojnica	corner bracket		12	
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1	
140.082 pratilica za neparna krila	rapid lower hinge for odd sash		1	
116.014 šarka	hinge		7	
107.005 šarka s ručkom(opcija)	handle hinge(opcija)		1	
107.006 pogonska ručka	handle		2	
140.079 zapinjač	rod-end for latch		4	
140.080 spojni blok	junction block for handle		2	
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D	
140.073 meh s ručiom za pokretanje lamelae	mech with handle for starting		6	

### Brtve Gasket

314.001 brtva u krilu i ramu	gasket of sash and frame	H-75	16	
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
344.010 brtva na spoju lamelae	gasket at join lamellae	Lkr-108	3x(n1+n2)	
347.006 četkasta brtva	brush gasket	Lkr	9	

### Dodaci Accessories

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081 stoper krila (par)	sash stopper (even)		1	

### Vijci Screws

433.036 vijak	screw		6	
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Broj lamela (D45-074) je  $n1=n2=(Hkr-370) / 120$

Primjer:

Za mjeru krila Hkr=1690 mm, broja lamela  $n=(1690-370) / 120 = 11$  kom

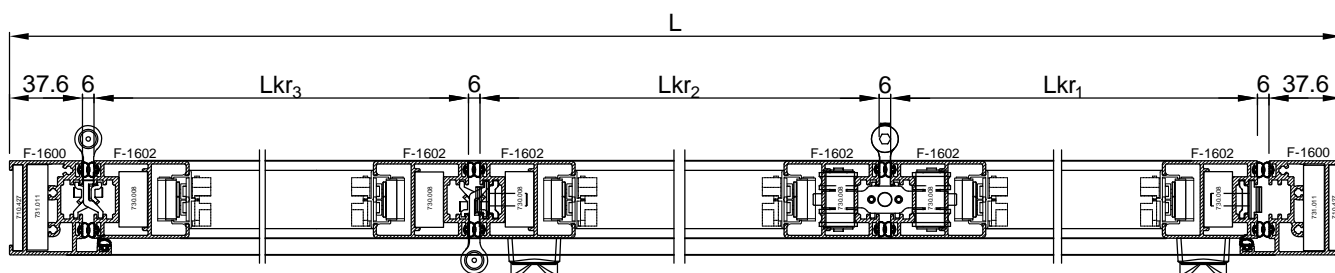
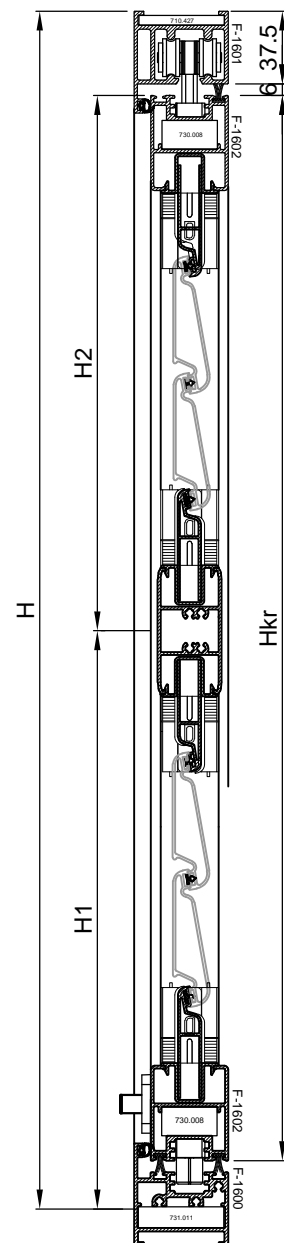
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.045

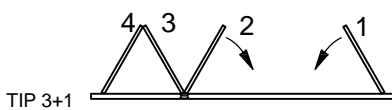
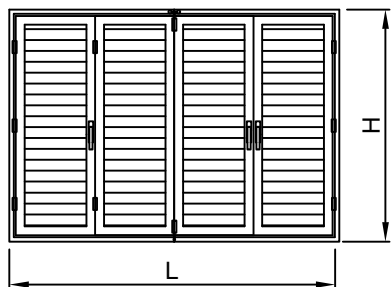
The number of lamellae (D45-074) is  $n1=n2 = (Hkr-370) / 120$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1690-370) / 120 = 11$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.045





Broj krila 3+1  
Četiri krila jednake širine:

Number sashes: 3+1  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
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**Profili Profiles**

F-1600	okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz.sash profile	Lkr=L/4-26	8	45-45
F-1602	okomica krila	vertical sash profile	Hkr=H-87	8	45-45
F-1600	profil praga	threshold profile	L	1	45-45
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	8	90-90
D45-074	profil ispune	infill profile	Lkr-110	4xn	90-90
D45-075	početni profil ispune	infill start profile	Lkr-104	8	90-90

**Kutne spojnice Corner brackets**

710.427	kutna spojnica(par)	corner bracket(even)		2	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		16	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		1	
140.082	pratilica za neparna krila	rapid lower hinge for odd sash		1	
116.014	šarka	hinge		10	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		1	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grilju 25mm	a movable shutter element 25mm		4L+4D	
140.073	meh s ručiom za pokretanje lamela	mech with handle for starting		4	

**Brtve Gasket**

314.001	brtva u krilu i ramu	gasket of sash and frame	H-75	20	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn	
347.006	četkasta brtva	brush gasket	Lkr	12	

**Dodaci Accessories**

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
140.081	stoper krila (par)	sash stopper (even)		2	

**Vijci Screws**

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

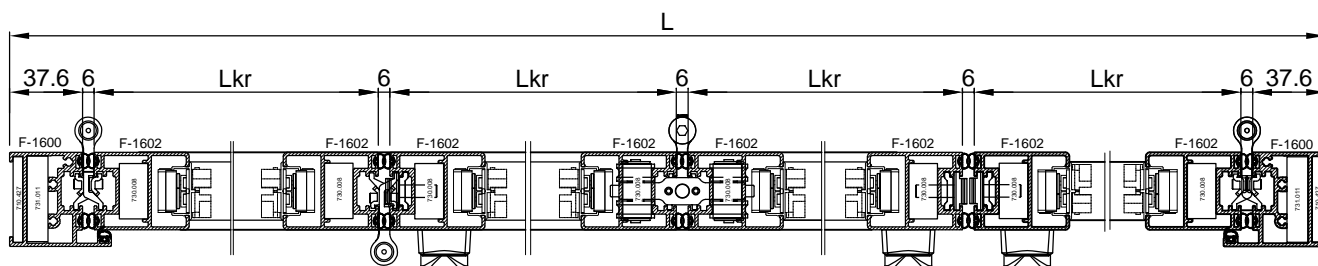
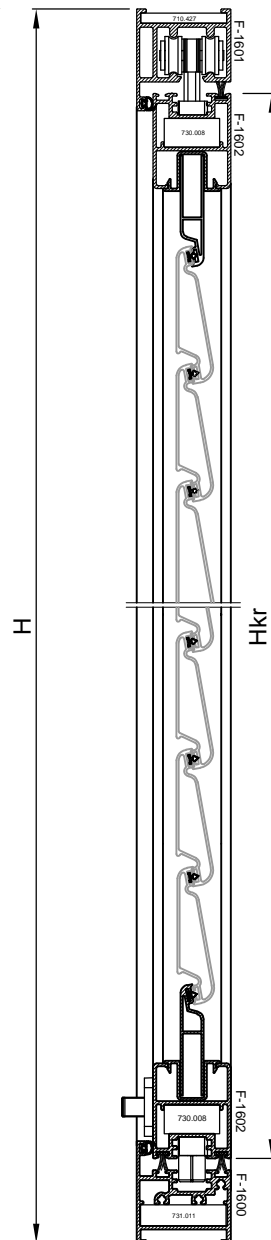
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

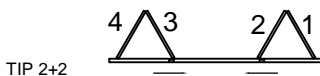
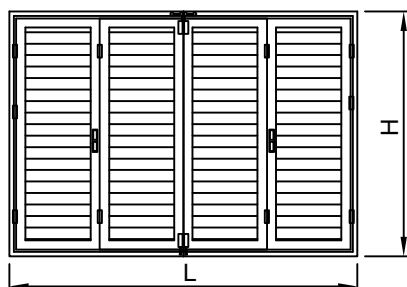
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042

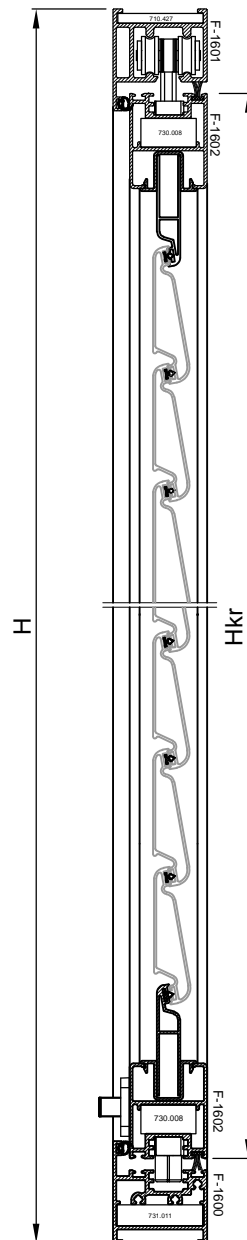




Broj krila 2+2  
Krila 2-3 jednake širine:  
Krila 1-4 jednake širine:

Number sashes: 2+2  
Sashes of 2-3 equal width  
Sashes of 1-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>				
F-1600 okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601 profil vodilice	guide profile	L	1	90-90
F-1602 vodoravnica krila 2-3	horiz.sash profile 2-3	$Lkr_{2-3}=L/4-5.5$	4	45-45
F-1602 vodoravnica krila 1-4	horiz.sash profile 1-4	$Lkr_{1-4}=L/4-47$	4	45-45
F-1602 okomica krila	vert.sash profile	$Hkr=H-87$	8	45-45
F-1600 profil praga	threshold profile	L	1	45-45
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	2	90-90
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	2	90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	8	90-90
D45-074 profil ispune	infill profile	Lkr-110	4xn	90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	8	90-90
<b>Kutne spojnice Corner brackets</b>				
710.427 kutna spojnica(par)	corner bracket(even)		2	
731.011 kutna spojnica	corner bracket		2	
730.008 kutna spojnica	corner bracket		16	
140.078 kolica za parna krila	rapid upper hinge for even sash		2	
140.083 pratilica za parna krila	rapid lower hinge for even sash		2	
116.014 šarka	hinge		12	
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006 pogonska ručka	handle		2	
140.079 zapinjač	rod-end for latch		4	
140.080 spojni blok	junction block for handle		2	
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		4L+4D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for starting		4	
<b>Brtve Gasket</b>				
314.001 brtva u krilu i ramu	gasket of sash and frame	H-75	20	
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	4xn	
347.006 četkasta brtva	brush gasket	Lkr	12	
<b>Dodaci Accessories</b>				
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		16	
140.081 stoper krila (par)	sash stopper (even)		2	
<b>Vijci Screws</b>				
433.036 vijak	screw		6	



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

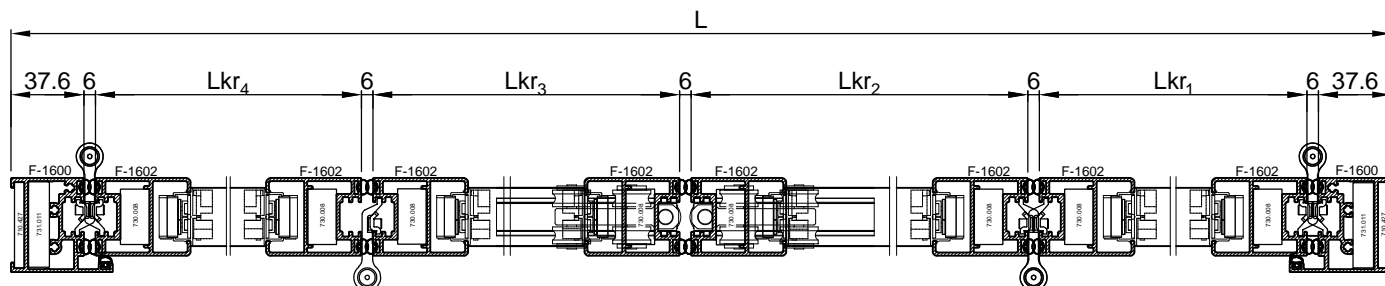
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

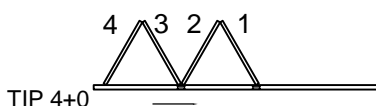
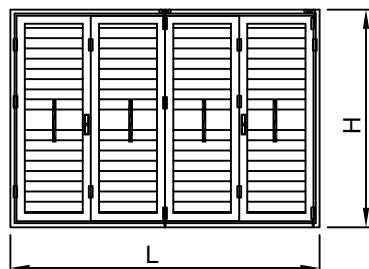
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042

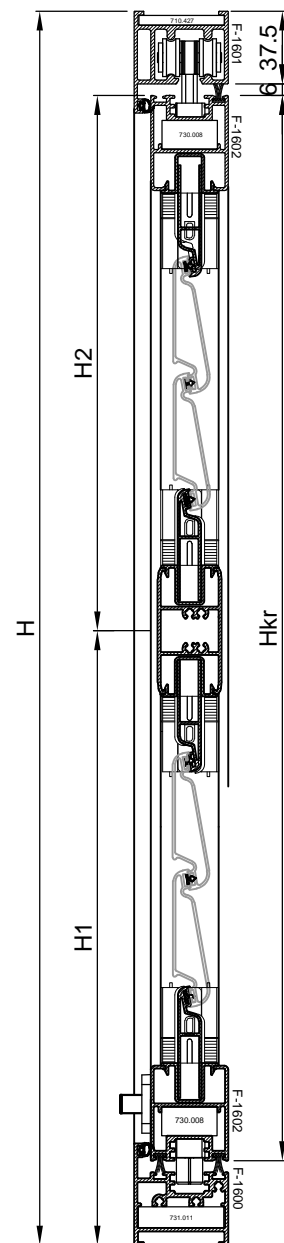




Broj krila 4+0  
Krila 2-3-4 jednake širine:

Number sashes: 4+0  
Sashes of 2-3-4 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>				
F-1600 okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601 profil vodilice	guide profile	L	1	90-90
F-1602 vodoravnica krila 2-3-4	horiz.sash profile 2-3-4	$L_{kr_{2-3-4}}=L/4-36.5$	6	45-45
F-1602 vodoravnica krila 1	horiz.sash profile 1	$L_{kr_1}=L/4+4.8$	2	45-45
F-1602 okomica krila	vert.sash profile	Hkr=H-87	8	45-45
F-1600 profil praga	threshold profile	L	1	45-45
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	2	90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	2	90-90
Z40-724 profil prečke	mullion profile	Lk-58	4	90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	16	90-90
D45-074 profil ispune	infill profile	Lkr-110	$(n_1+n_2) \times 4$	90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	16	90-90
Z40724 profil prečke	mullion profile	Lkr-58	4	90-90
<b>Kutne spojnice Corner brackets</b>				
710.427 kutna spojnica rama	corner bracket of the frame		2	
731.011 kutna spojnica	corner bracket		2	
730.008 kutna spojnica	corner bracket		16	
140.078 kolica za parna krila	rapid upper hinge for even sash		1	
140.083 pratilica za parna krila	rapid lower hinge for even sash		1	
116.014 šarka	hinge		10	
107.005 šarka s ručkom(opcija)	handle hinge(optional)		2	
107.006 pogonska ručka	handle		2	
140.079 zapinjač	rod-end for latch		4	
140.080 spojni blok	junction block for handle		2	
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		16L+16D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for starting		8	
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1	
140.082 pratilica za neparna krila	rapid lower hinge for odd sash		1	
<b>Brtve Gasket</b>				
314.001 brtva u krilu i ramu	gasket of sash and frame	H-75	20	
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2	
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1	
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	$4 \times (n_1+n_2)$	
347.006 četkasta brtva	brush gasket	Lkr	12	
<b>Dodaci Accessories</b>				
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		32	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		32	
140.081 stoper krila (par)	sash stopper (even)		3	
<b>Vijci Screws</b>				
433.036 vijak	screw		6	



Broj lamela (D45-074) je  $n_1=n_2=(Hkr-370) / 120$

Primjer:

Za mjeru krila Hkr=1690 mm, broja lamela  $n=(1690-370) / 120 = 11$  kom

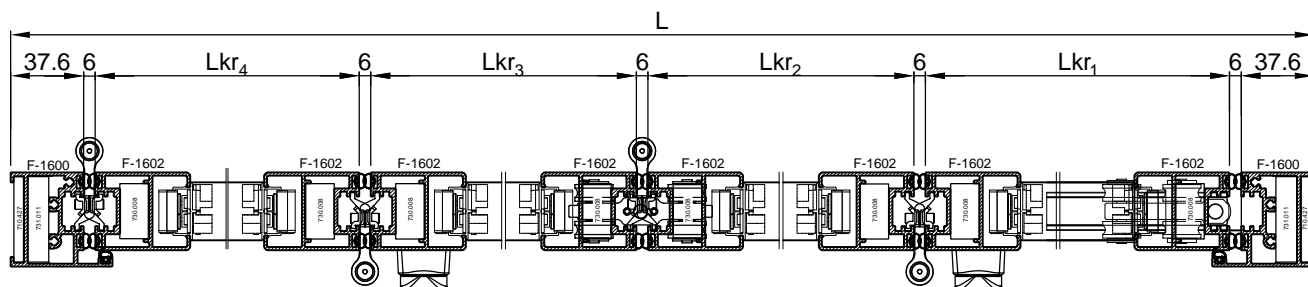
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.045

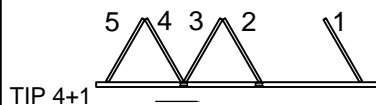
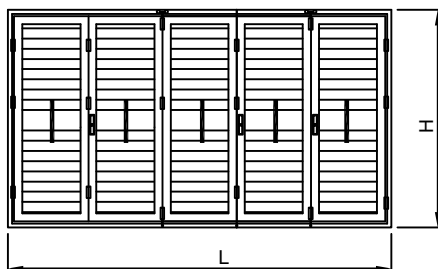
The number of lamellae (D45-074) is  $n_1=n_2 = (Hkr-370) / 120$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1690-370) / 120 = 11$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.045

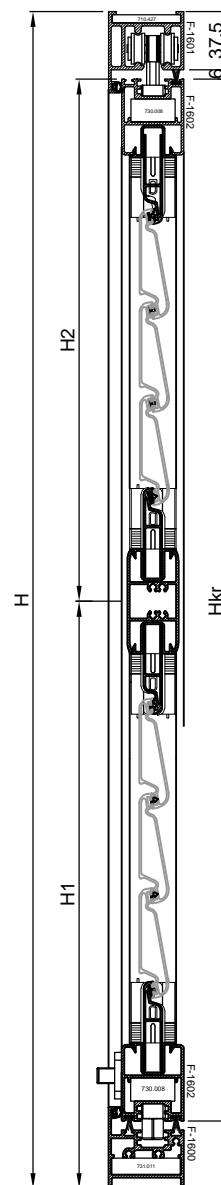




Broj krila 4+1  
Krila 1-3-4-5 jednake širine:

Number sashes: 4+1  
Sashes of 1-3-4 -5 equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2
F-1601 profil vodilice	guide profile	L	1
F-1602 vodoravnica krila 1-3-4-5	horiz.sash profile 2-3-4	$Lkr_{1-3-4-5}=L/5-30.5$	8
F-1602 vodoravnica krila 2	horiz.sash profile 1	$Lkr_2=L/5+11$	2
F-1602 okomica krila	vert.sash profile	$Hkr=H-87$	10
F-1600 profil praga	threshold profile	L	1
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	3
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	3
Z40-724 profil prečke	mullion profile	Lk-59	5
Z40-740 uvodni profil	end infill profile	Lkr-98	20
D45-074 profil ispune	infill profile	Lkr-110	$(n1+n2) \times 4$
D45-075 početni profil ispune	infill start profile	Lkr-104	20
Z40724 profil prečke	mullion profile	Lkr-58	5
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica rama	corner bracket of the frame		2
731.011 kutna spojnica	corner bracket		2
730.008 kutna spojnica	corner bracket		20
140.078 kolica za parna krila	rapid upper hinge for even sash		1
140.083 pratilica za parna krila	rapid lower hinge for even sash		1
116.014 šarka	hinge		13
107.005 šarka s ručkom (opcija)	handle hinge (optional)		2
107.006 pogonska ručka	handle		3
140.079 zapinjač	rod-end for latch		6
140.080 spojni blok	junction block for handle		3
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		$10L+10D$
140.073 meh s ručicom za pokretne lamela	mech with handle for starting		8
140.074 kolica za neparna krila	rapid upper hinge for odd sash		1
140.082 pratilica za neparna krila	rapid lower hinge for odd sash		1
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	H-75	24
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-90	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	$5 \times (n1+n2)$
347.006 četkasta brtva	brush gasket	Lkr	15
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		40
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		40
140.081 stoper krila (par)	sash stopper (even)		3
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n1=n2=(Hkr-370) / 120$

Primjer:

Za mjeru krila  $Hkr=1690$  mm, broja lamela  $n=(1690-370) / 120 = 11$  kom

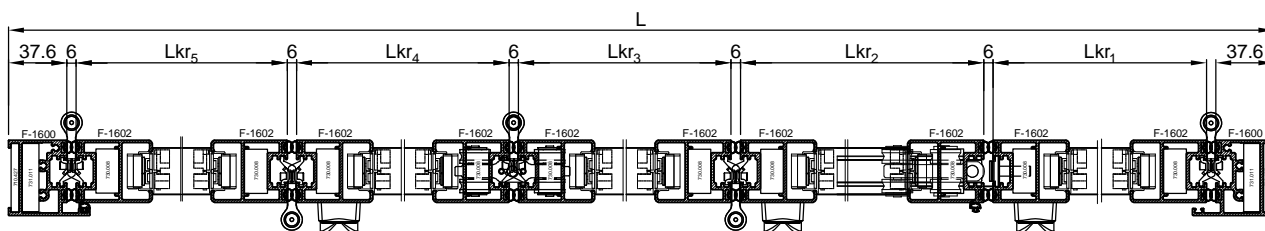
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.045

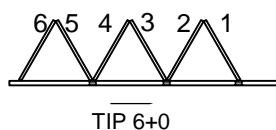
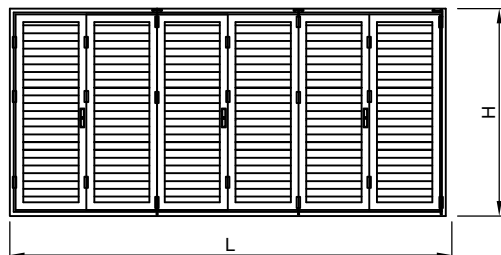
The number of lamellae (D45-074) is  $n1=n2 = (Hkr-370) / 120$

Example:

For sash size  $Hkr=1102$  mm, number of slats  $n=(1690-370) / 120 = 11$  pcs

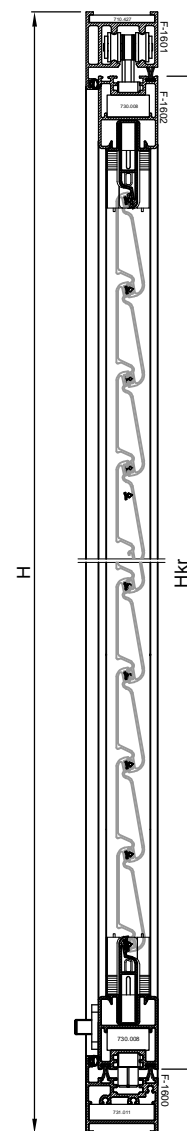
Determining the number of lamellas D45-074 is given in the table on p. 607.11.045





Broj krila 6+0  
Kрила različite širine:  
Number sashes: 6+0  
Sashes of different width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	vertical frame profile	H-37.5	2 90-45
F-1601 profil vodilice	guide profile	L	1 90-90
F-1602 vodoravnica krila	horiz. sash profile	$Lkr_1=(L/6+15)$	2 45-45
F-1602 vodoravnica krila	horiz. sash profile	$Lkr=(L/6-26.5)$	10 45-45
F-1602 okomica krila	vert.sash profile	H-87	12 45-45
F-1600 profil praga	threshold profile	L	1 45-45
NC-1459 gornji klizač	upper slider	$(Hkr-202)/2$	3 90-90
NC-1459 donji klizač	lower slider	$(Hkr-202)/2$	3 90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12 90-90
D45-074 profil ispune	infil profile	Lkr-110	6xn 90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	12 90-90
<b>Kutne spojnice Corner brackets</b>			
710.427 kutna spojnica ( par)	corner bracket (even)		1
731.011 kutna spojnica	corner bracket		2
730.008 kutna spojnica	corner bracket		24
140.074 kolica za neparna krila	rapid upper hinge for odd sash		2
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		2
140.078 kolica za parna krila	upper hinge for even sash		1
140.076 pratilica za parna krila	lower guide for even sash		1
116.014 šarka	hinge		14
107.005 šarka s ručkom(opcija)	handle hinge(optional)		3
107.006 pogonska ručka	handle		3
140.079 zapinjač	rod-end for latch		6
140.080 spojni blok	junction block for handle		3
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		6
<b>Brtve Gasket</b>			
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	28
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	18
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn
<b>Dodaci Accessories</b>			
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24
140.081 stoper krila (par)	sash stopper (even)		5
<b>Vijci Screws</b>			
433.036 vijak	screw		6



Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

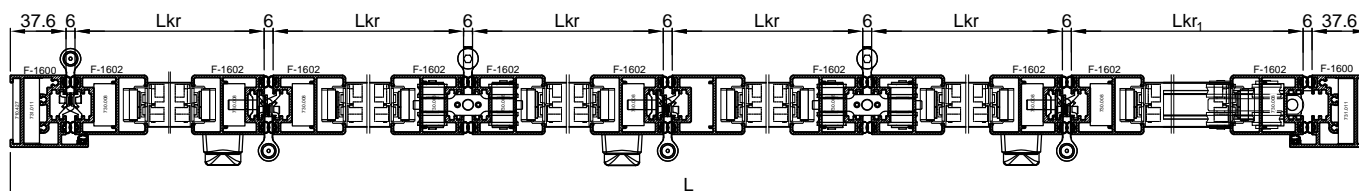
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

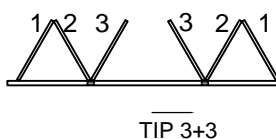
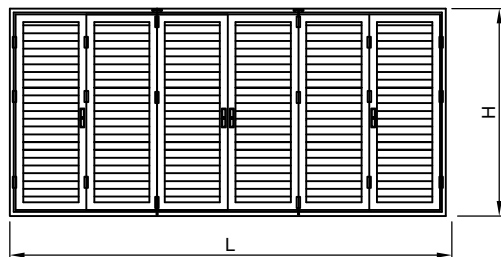
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

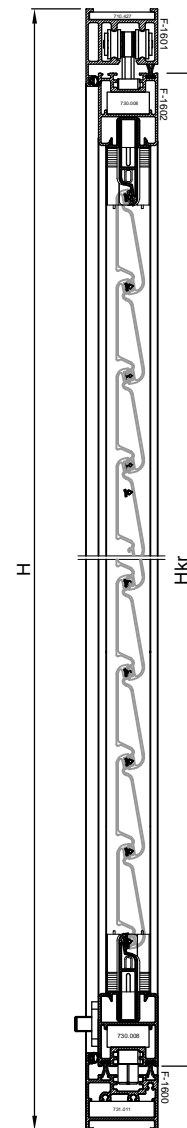
Determining the number of lamellas D45-074 is given in the table on p. 607.11.042





Broj krila 3+3  
Krila jednake širine:  
Number sashes: 3+3  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>				
F-1600 okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601 profil vodilice	guide profile	L	1	90-90
F-1602 vodoravnica krila	horiz. sash profile	Lkr=(L/6-19.5)	12	45-45
F-1602 okomica krila	vert.sash profile	H-87	12	45-45
F-1600 profil praga	threshold profile	L	1	45-45
NC-1459 gornji klizač	upper slider	(Hkr-202)/2	4	90-90
NC-1459 donji klizač	lower slider	(Hkr-202)/2	4	90-90
Z40-740 uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074 profil ispune	infil profile	Lkr-110	6n	90-90
D45-075 početni profil ispune	infill start profile	Lkr-104	12	90-90
<b>Kutne spojnice Corner brackets</b>				
710.427 kutna spojnica ( par)	corner bracket (even)		1	
731.011 kutna spojnica	corner bracket		2	
730.008 kutna spojnica	corner bracket		24	
140.074 kolica za neparna krila	rapid upper hinge for odd sash		2	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash		2	
116.014 šarka	hinge		14	
107.005 šarka s ručkom	handle hinge		2	
107.006 pogonska ručka	handle		4	
140.079 zapinjač	rod-end for latch		8	
140.080 spojni blok	junction block for handle		4	
140.040 element za pokretnu grilju 25mm	a movable shutter element 25mm		6L+6D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		6	
<b>Brtve Gasket</b>				
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	28	
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001 brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006 četkasta brtva	brush gasket	Lkr	18	
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn	
<b>Dodaci Accessories</b>				
370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081 stoper krila (par)	sash stopper (even)		4	
<b>Vijci Screws</b>				
433.036 vijak	screw		6	



Broj lamela (D45-074) je  $n = (Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n = (1102-202) / 60 = 15$  kom

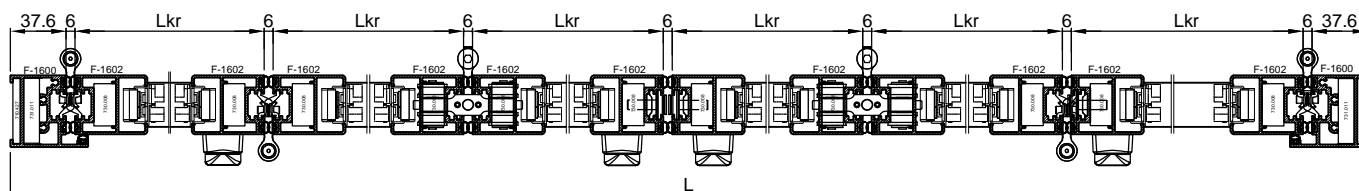
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

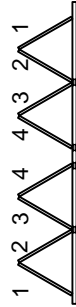
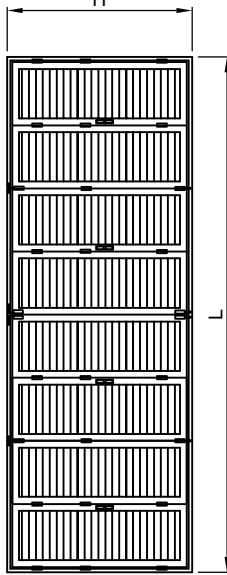
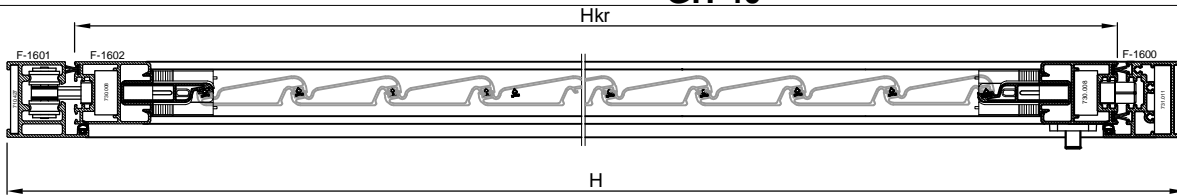
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n = (1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042





TIP 4+4

Broj krila 4+4  
Krila nejednake širine:  
Number sashes: 4+4  
Sashes of different width

Broj lamela (D45-074) je  $n=(Hkr-202) / 60$   
Primer:  
Za mjeru krila  $Hkr=1102$  mm, broja lamela  
 $n=(1102-202) / 60 = 15$  kom  
Određivanje broja lamela D45-074 dato je tablično  
na str. 607.11.042  
The number of lamellae (D45-074) is  $n =$   
( $Hkr-202$ ) / 60  
Example:  
For sash size  $Hkr=1102$  mm, number of slats  
 $n=(1102-202) / 60 = 15$  pcs  
Determining the number of lamellas D45-074 is  
given in the table on p. 607.11.042

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	H-37.5	2	90-45
F-1601 profil vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L/8-26.5)$	12	45-45
F-1602 vodoravnica krila	$Lkr=(L/8+15)$	4	45-45
F-1602 okomica krila	H-87	16	45-45
F-1600 profil praga	L	1	45-45
NC-1459 gornji klizač	( $Hkr-202$ )/2	4	90-90
NC-1459 donji klizač	( $Hkr-202$ )/2	4	90-90
Z40-740 uvodni profil	Lkr-98	16	90-90
D45-074 profil ispune	Lkr-110	8xn	90-90
D45-075 početni profil ispune	Lkr-104	16	90-90

**Kutne spojnice Corner brackets**

710.427 kutna spojnica (par)	corner bracket (even)	1	
731.011 kutna spojnica	corner bracket	2	
730.008 kutna spojnica	corner bracket	32	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	2	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	2	
140.078 kolica za parna krila	upper hinge for even sash	2	
140.076 pratilica za parna krila	lower guide for even sash	2	
116.014 šarka	hinge	20	
107.005 šarka s ručkom (opcija)	handle hinge (opcija)	4	
107.006 pogonska ručka	handle	4	
140.079 zapinjač	rod-end for latch	8	
140.080 spojni blok	junction block for handle	4	
140.040 element za pokretnu grijlju 25mm	a movable shutter element 25mm	8L+8D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae	8	

**Brtve Gasket**

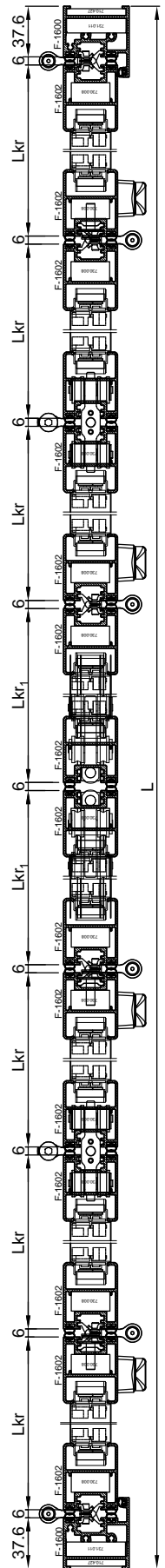
314.001 brtva u krilu i rami	gasket of sash and frame	Hkr	36
321.001 brtva u rami-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u rami-horizentalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	16
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	8xn

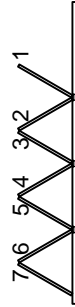
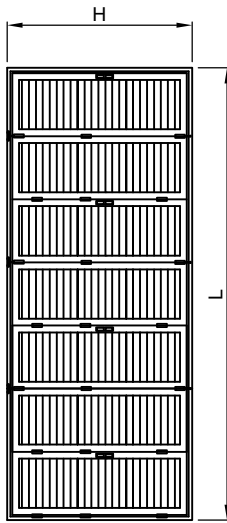
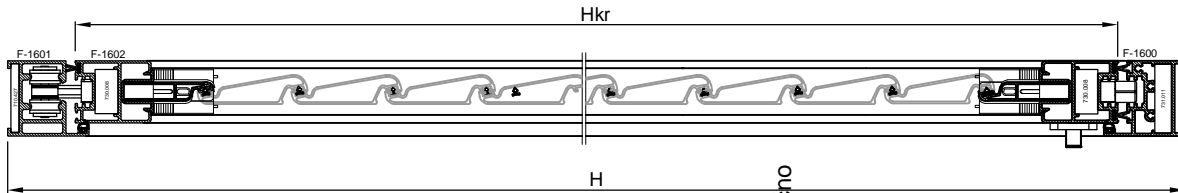
**Dodaci Accessories**

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		32
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		32
140.081 stoper krila (par)	sash stopper (even)		6

**Vijci Screws**

433.036 vijak	screw		6
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TIP 7+0

Broj krila 7+0

Krila jednake širine:

Number sashes: 7+0

Sashes of equal width

Broj lamela (D45-074) je  $n = (Hkr-202) / 60$

Primjer:

Za mjeru krila  $Hkr=1102$  mm, broja lamela

$n=(1102-202) / 60 = 15$  kom

Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

The number of lamellae (D45-074) is  $n =$

$(Hkr-202) / 60$

Example:

For sash size  $Hkr=1102$  mm, number of slats

$n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
<b>Profili Profiles</b>			
F-1600 okomica rama	H-37.5	2	90-45
F-1601 profili vodilice	L	1	90-90
F-1602 vodoravnica krila	$Lkr=(L-123)/7$	14	45-45
F-1602 okomica krila	H-87	14	45-45
F-1600 profil praga	L	1	45-45
NC-1459 gornji klizač	$(Hkr-202)/2$	4	90-90
NC-1459 donji klizač	$(Hkr-202)/2$	4	90-90
Z40-740 vodni profil	Lkr-98	14	90-90
D45-074 profil ispune	Lkr-110	7xn	90-90
D45-075 početni profil ispune	Lkr-104	14	90-90

**Kutne spojnice Corner brackets**

710.427 kutna spojnica (par)	corner bracket (even)	1	
731.011 kutna spojnica	corner bracket	2	
730.008 kutna spojnica	corner bracket	28	
140.074 kolica za neparna krila	rapid upper hinge for odd sash	3	
140.075 pratilica za neparna krila	rapid lower hinge for odd sash	3	
116.014 šarka	hinge	15	
107.005 šarka s ručkom(opcija)	handle hinge(optional)	3	
107.006 pogonska ručka	handle	4	
140.079 zapinjač (par)	rod-end for latch	8	
140.080 spojni blok(par)	junction block for handle	4	
140.040 element za pokretnu grijlu 25mm	a movable shutter element 25mm	7L+7D	
140.073 meh s ručicom za pokretnje lamela	mech with handle for movable lamellae	7	

**Brtve Gasket**

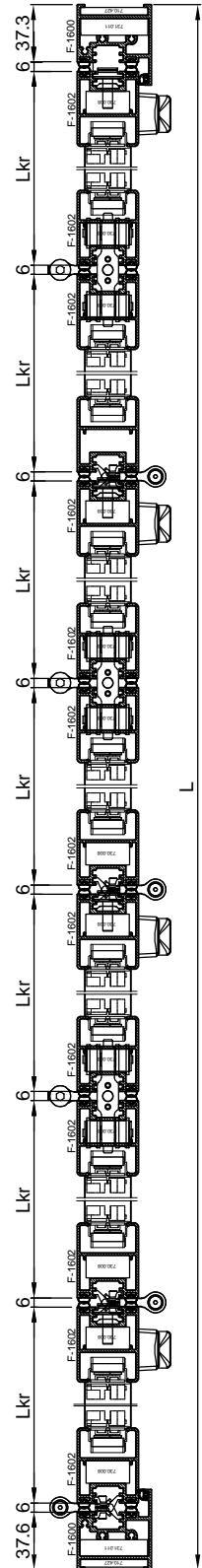
314.001 brtva u krilu i ramu	gasket of sash and frame	Hkr	32
321.001 brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2
321.001 brtva u ramu-horizentalna	gasket in sash-horiz.	L-75	1
347.006 četkasta brtva	brush gasket	Lkr	14
344.010 brtva na spoju lamela	gasket at join lamellae	Lkr-108	7xn

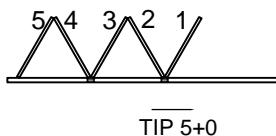
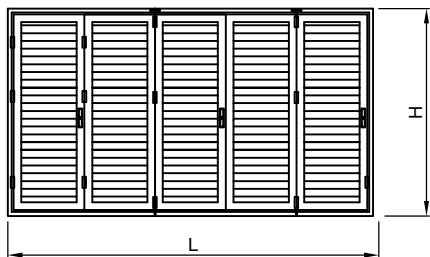
**Dodaci Accessories**

370.064 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
370.065 umetak za početnu i zavr.lamelu	insert for start and close the lamellae		28
140.081 stoper krila (par)	sash stopper (even)		6

**Vijci Screws**

433.036 vijak	screw		6
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Broj krila 5+0  
Krila jednake širine:  
Number sashes: 5+0  
Sashes of equal width

naziv name	mjera (mm) measure (mm)	kom. pcs.	pilanje cutting
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### Profili Profiles

F-1600	okomica rama	vertical frame profile	H-37.5	2	90-45
F-1601	profil vodilice	guide profile	L	1	90-90
F-1602	vodoravnica krila	horiz. sash profile	Lkr=(L/5-22.2)	10	45-45
F-1602	okomica krila	vert.sash profile	H-87	10	45-45
F-1600	profil praga	threshold profile	L	1	45-45
NC-1459	gornji klizač	upper slider	(Hkr-202)/2	3	90-90
NC-1459	donji klizač	lower slider	(Hkr-202)/2	3	90-90
Z40-740	uvodni profil	end infill profile	Lkr-98	12	90-90
D45-074	profil ispune	infil profile	Lkr-110	6xn	90-90
D45-075	početni profil ispune	infil start profile	Lkr-104	12	90-90

### Kutne spojnice Corner brackets

710.427	kutna spojnica ( par)	corner bracket (even)		1	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		20	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		2	
140.082	pratilica za neparna krila	rapid lower hinge for odd sash		2	
116.014	šarka	hinge		11	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		3	
107.006	pogonska ručka	handle		3	
140.079	zapinjač	rod-end for latch		6	
140.080	spojni blok	junction block for handle		3	
140.040	element za pokretnu grijlju 25mm	a movable shutter element 25mm		5L+5D	
140.073	meh s ručicom za pokretnje lamela	mech with handle for movable lamellae		5	

### Brtve Gasket

314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	28	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-52.5	2	
321.001	brtva u ramu-horizontalna	gasket in sash-horiz.	L-75	1	
347.006	četkasta brtva	brush gasket	Lkr	18	
344.010	brtva na spoju lamela	gasket at join lamellae	Lkr-108	6xn	

### Dodaci Accessories

370.064	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
370.065	umetak za početnu i zavr.lamelu	insert for start and close the lamellae		24	
140.081	stoper krila (par)	sash stopper (even)		5	

### Vijci Screws

433.036	vijak	screw		6	
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Broj lamela (D45-074) je  $n=(Hkr-202) / 60$

Primjer:

Za mjeru krila Hkr=1102 mm, broja lamela  $n=(1102-202) / 60 = 15$  kom

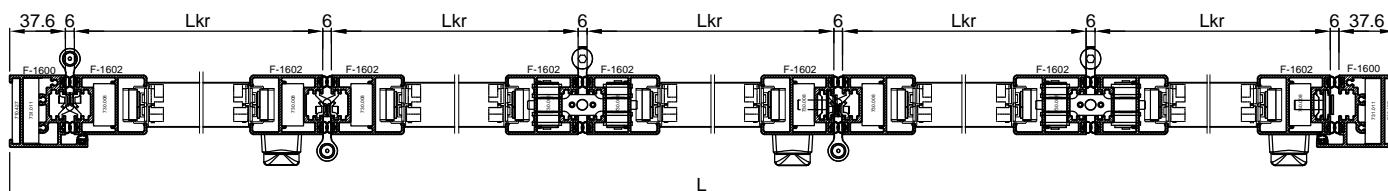
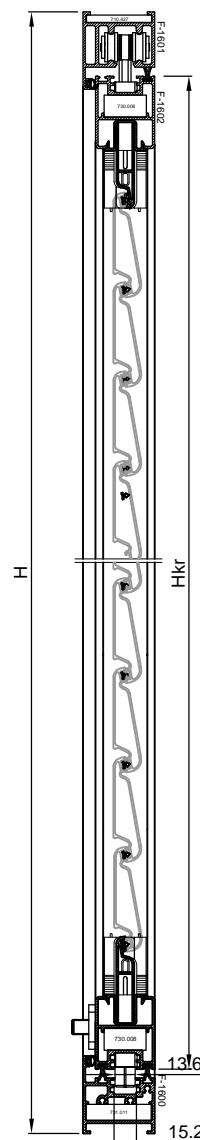
Određivanje broja lamela D45-074 dato je tablično na str. 607.11.042

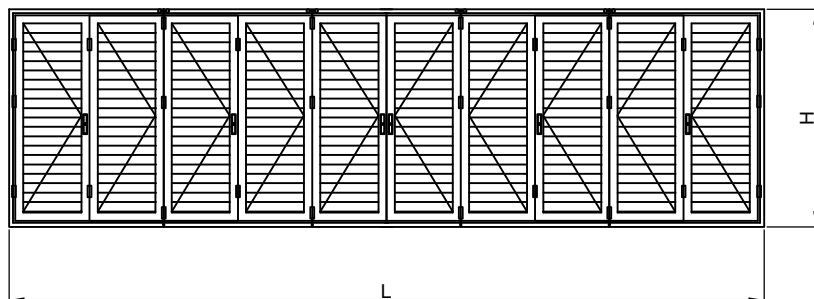
The number of lamellae (D45-074) is  $n = (Hkr-202) / 60$

Example:

For sash size Hkr=1102 mm, number of slats  $n=(1102-202) / 60 = 15$  pcs

Determining the number of lamellas D45-074 is given in the table on p. 607.11.042



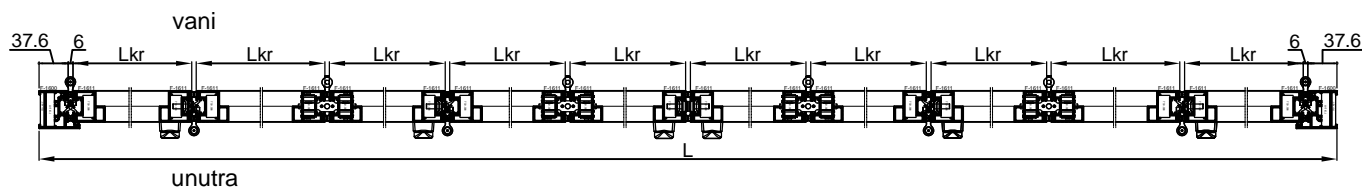
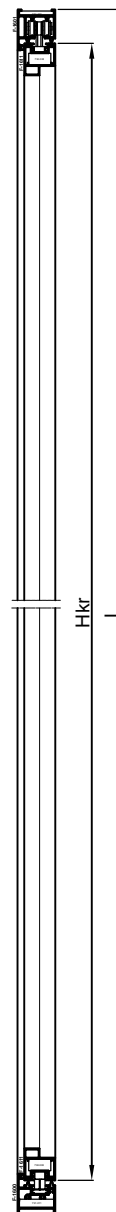


Broj krila 5+5  
Krila jednake širine:  
Number sashes: 5+5  
Sashes of equal width



TIP 5+5

naziv name		mjera (mm) measure (mm)	kom. pcs.	pilanje cutting	
<b>Profili Profiles</b>					
F-1600	okomica rama	vertical frame profile	H-37.5	2	45-90
F-1601	profil vodilice	guide profile	L	1	90-90
F-1611	vodoravnica krila	horiz. sash profile	$Lkr=(L-141.2)/10$	20	45-45
F-1600	profil praga	threshold profile	L	1	45-45
F-1611	okomica krila	vert.sash profile	Hkr=H-87	20	45-45
NC-1459	gornji klizač	upper slider	$(Hkr-202)/2$	6	90-90
NC-1459	donji klizač	lower slider	$(Hkr-202)/2$	6	90-90
<b>Kutne spojnice Corner brackets</b>					
710.427	kutna spojnica	corner bracket		2	
731.011	kutna spojnica	corner bracket		2	
730.008	kutna spojnica	corner bracket		40	
140.074	kolica za neparna krila	rapid upper hinge for odd sash		4	
140.082	pratilica za neparna krila	rapid lower hinge for odd sash		4	
116.014	šarka	hinge		22	
107.005	šarka s ručkom(opcija)	handle hinge(optional)		4	
107.006	pogonska ručka	handle		6	
140.079	zapinjač	rod-end for latch		12	
140.080	spojni blok	junction block for handle		6	
<b>Brtve Gasket</b>					
314.001	brtva u krilu i ramu	gasket of sash and frame	Hkr	44	
321.001	brtva u ramu-vertikalna	gasket in frame-vert.	H-100	2	
321.001	brtva u ramu-horizentalna	gasket in sash-horiz.	L-100	2	
347.006	četkasta brtva	brush gasket	Lkr	40	
<b>Dodaci Accessories</b>					
140.081	stoper krila (par)	sash stopper (even)		8	
	L ispune krila	L wing filling	Lkr-61		
	H ispune krila	H wing filling	Hkr-61		
<b>Vijci Screws</b>					
433.036	vijak	screw		12	







# FEAL



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## GH 40

Veljača/February 2020.

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