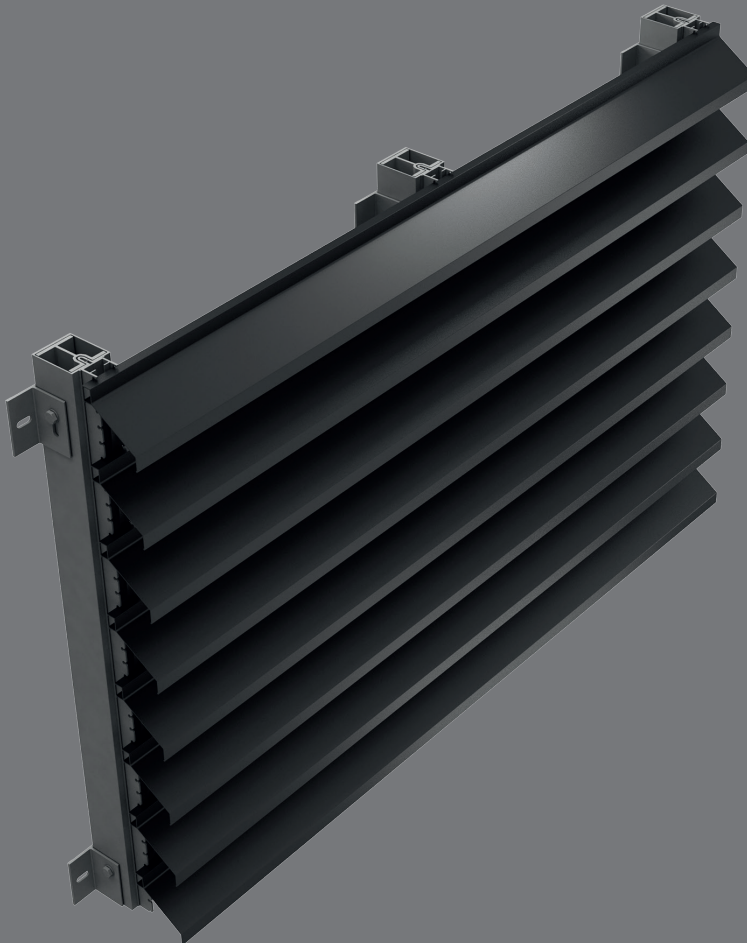


NAPSU-sälejärjestelmä Säleikkölistat Panelisarja ALLINE-sisäkatto

NAPSU louvre systems
Louvre slats
Panels
ALLINE ceiling



Purso Oy vastaa tämän tuotekatalogin sovellustapojen toimivuudesta, mutta muista sovellustavoista vain erikseen sovittaessa. Vastuu rakenteiden valmistuksen ja asennuksen valvonnasta ei kuulu Purso Oy:lle.

Purso Oy quarantees the function of the applications described in this catalogue. Other applications are quaranteed only by separate agreement. Purso Oy does not take responsibility for control of the installations.

SISÄLLYS CONTENTS

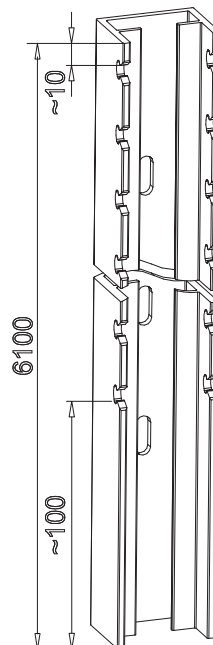
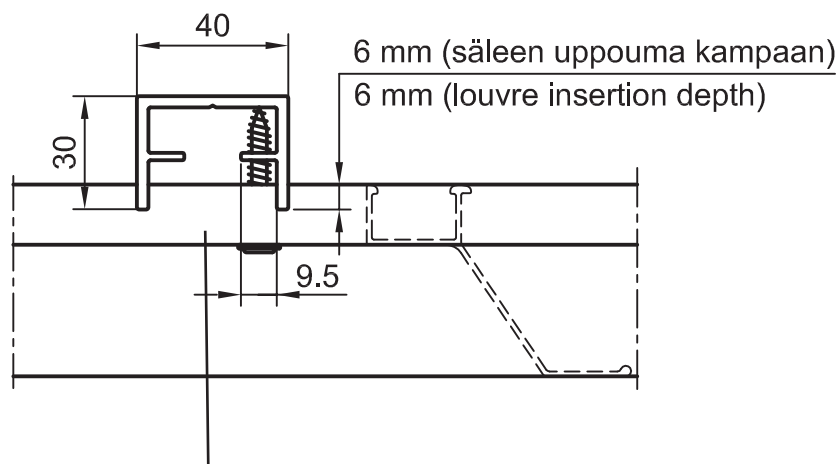
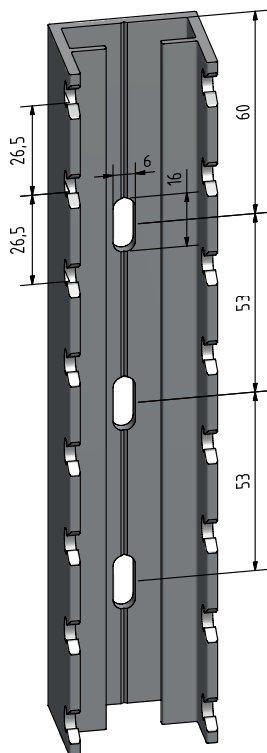
NAPSU sälejärjestelmä NAPSU Louvre Systems	1
Säleikkölistat Louvre slats	2
Panelisarja Panels	3
ALLINE-sisäkatto ALLINE-ceiling	4

NAPSU sälejärjestelmä
NAPSU Louvre System

varastopituus 6100 mm
storage length 6100 mm
nettopituus 6000 mm
net length 6000 mm

KAMPAKIINNITYSPROFIILI 15902/K
VARASTOVÄRI RAL 9006

MOUNTING PROFILES 15902/K
RAL 9006

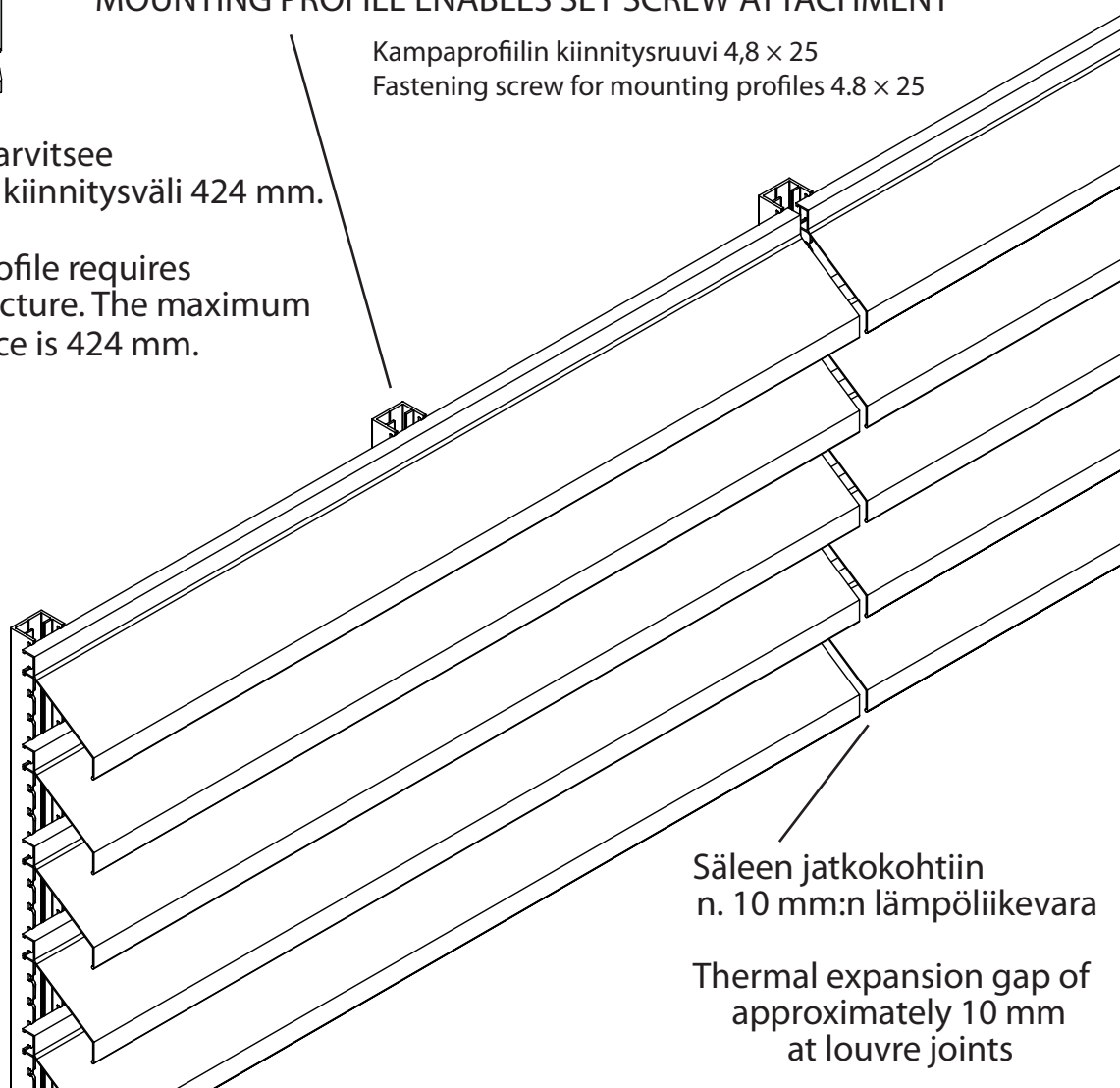


KIINNITYSKAMMASSA LAIPAT RUUVIKIINNITYSTÄ VARTEN
MOUNTING PROFILE ENABLES SET SCREW ATTACHMENT

Kampaprofilin kiinnitysruuvi 4,8 × 25
Fastening screw for mounting profiles 4.8 × 25

Kiinnityskampa tarvitsee
apurungon. Max. kiinnitysväli 424 mm.

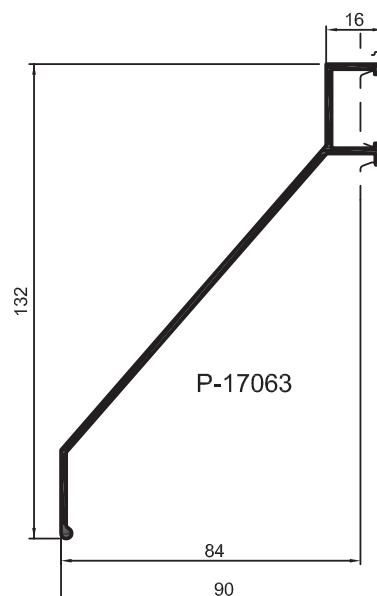
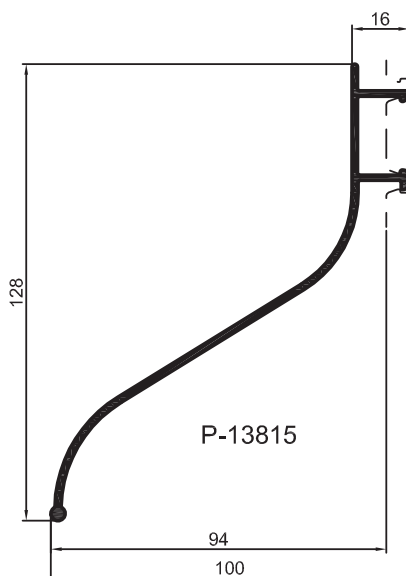
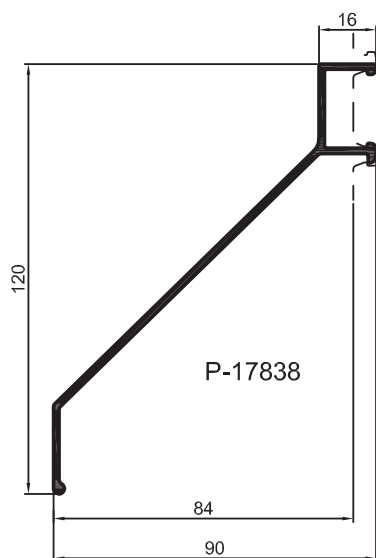
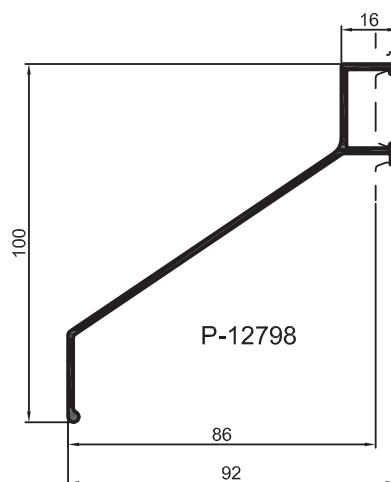
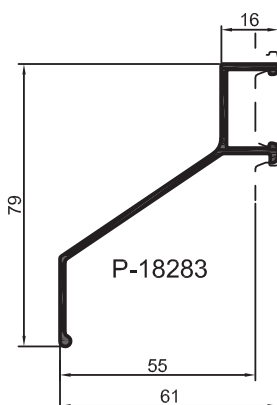
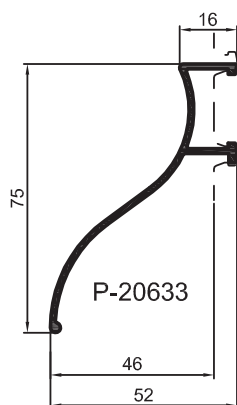
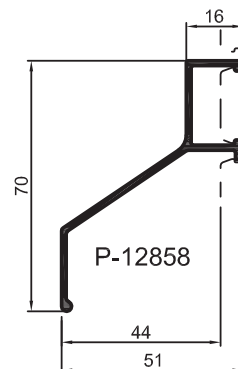
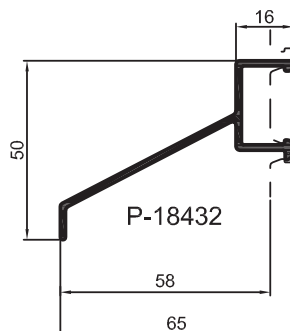
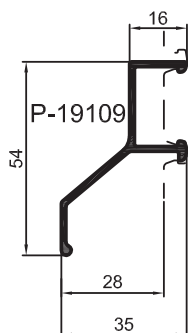
The mounting profile requires
a supporting structure. The maximum
mounting distance is 424 mm.



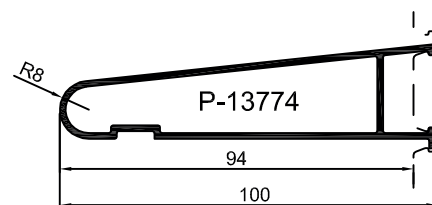
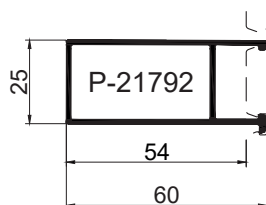
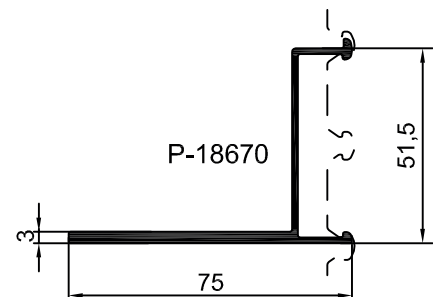
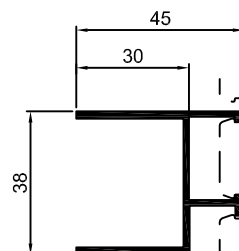
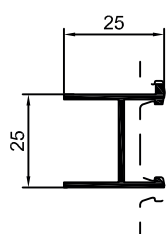
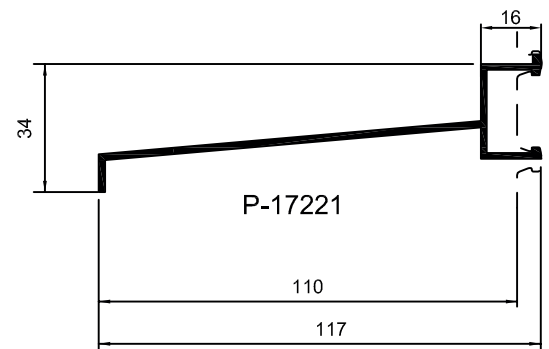
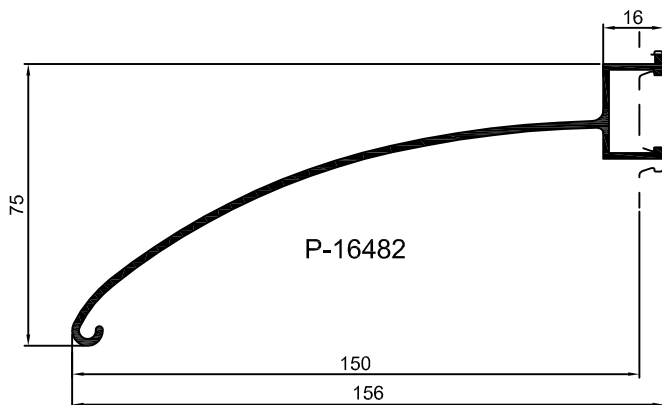
Säleen jatkokohtiin
n. 10 mm:n lämpöliikevara

Thermal expansion gap of
approximately 10 mm
at louvre joints

NAPSU säleet NAPSU Louvre System

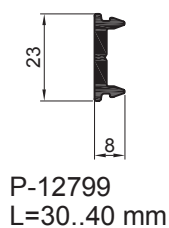
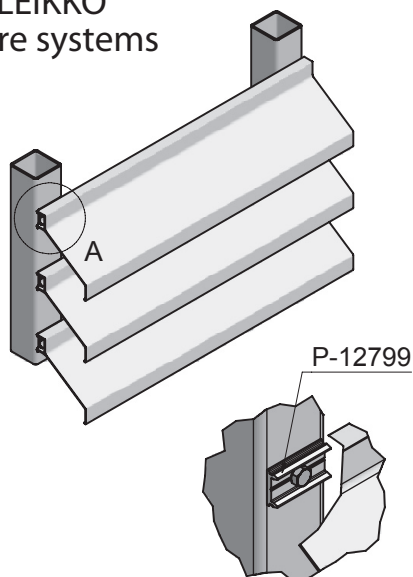


NAPSU säleet NAPSU Louvre System

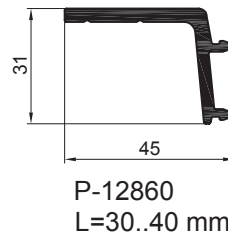
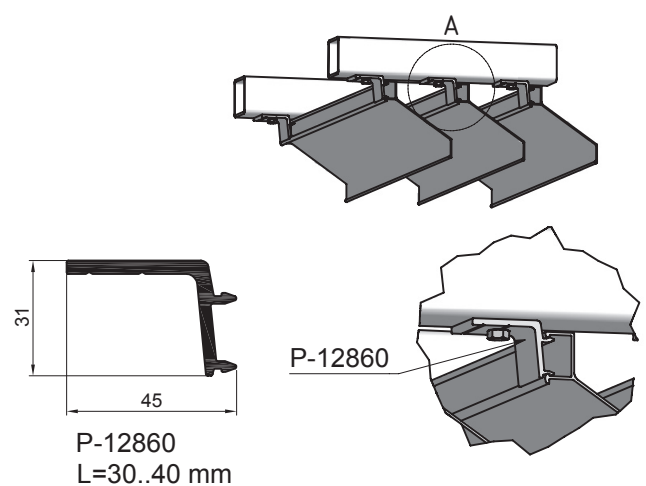


NAPSU kiinnityspalat NAPSU mounting pieces

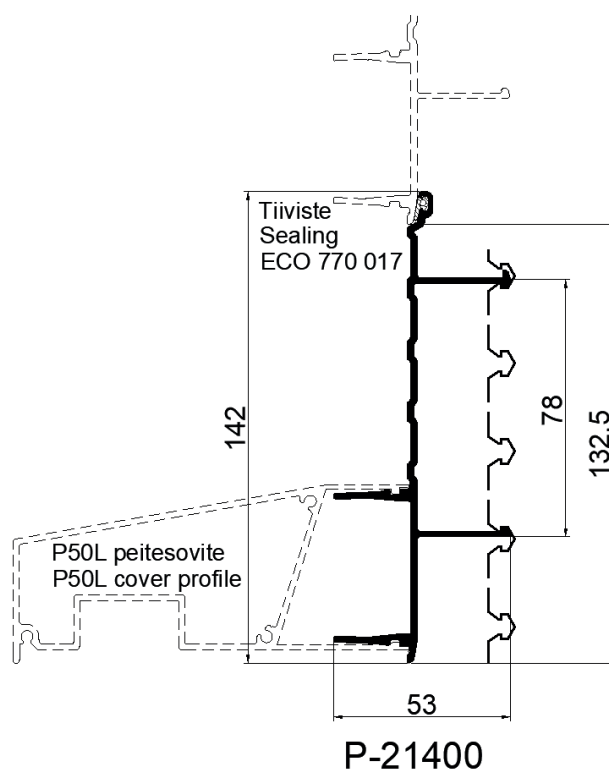
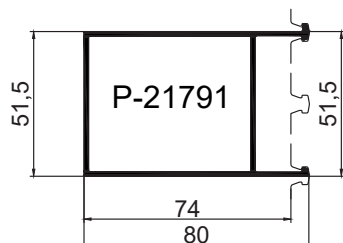
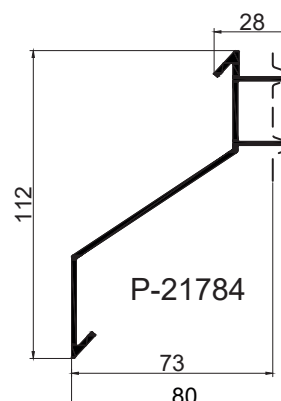
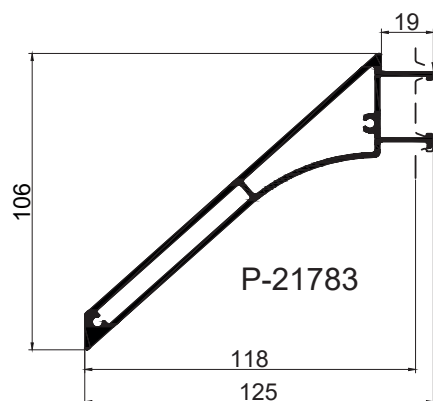
PYSTYSÄLEIKKÖ Vertical louvre systems



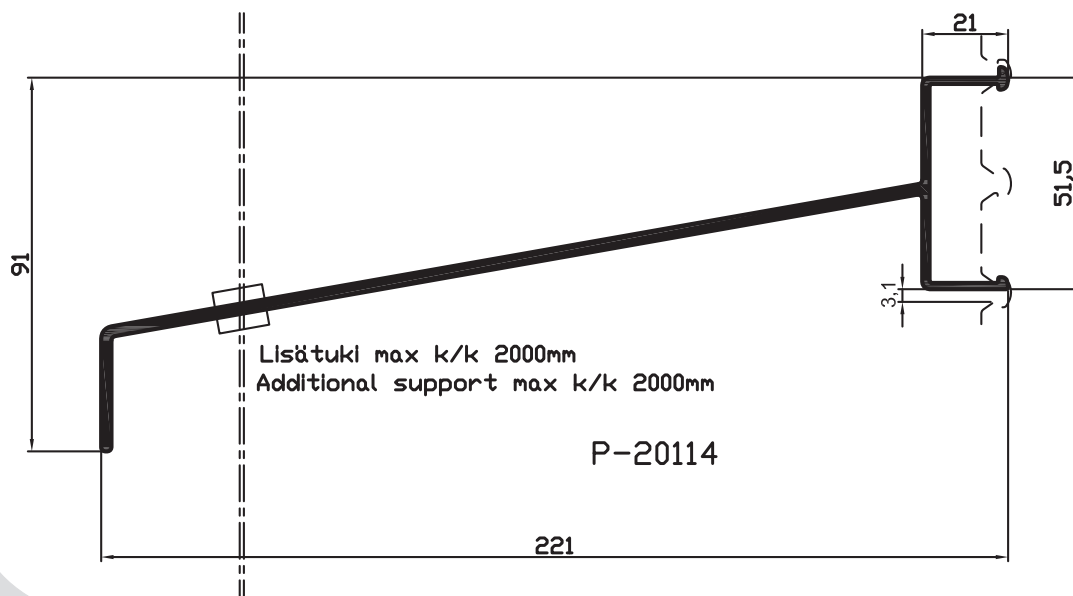
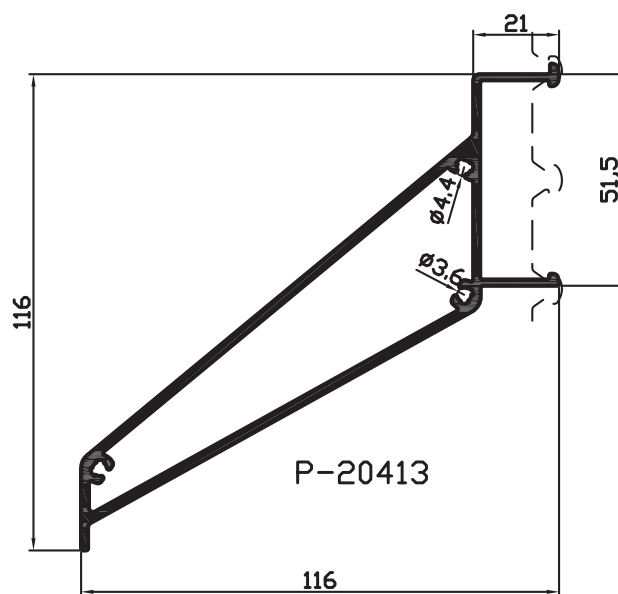
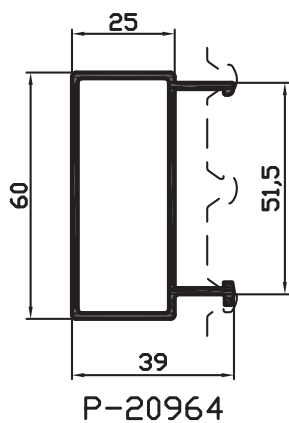
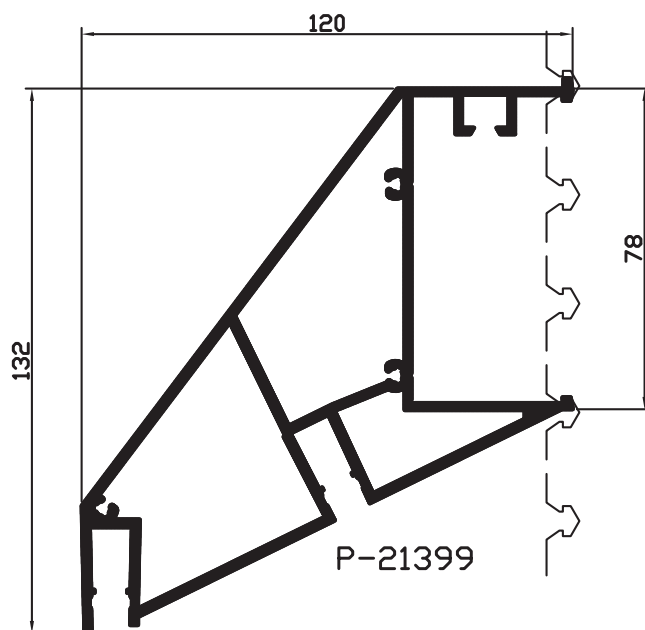
VAAKASÄLEIKKÖ Horizontal louvre systems



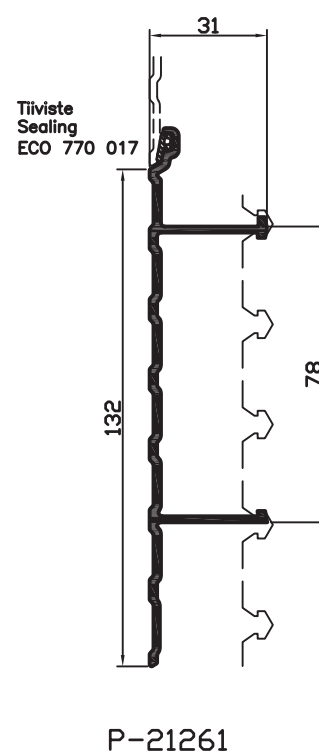
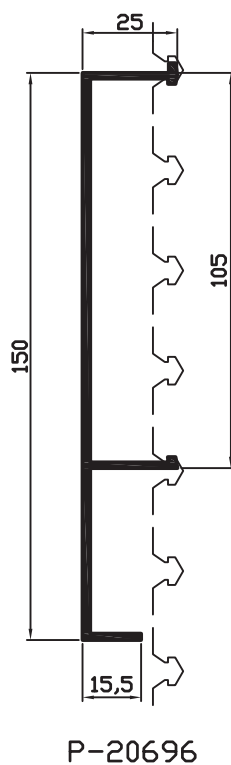
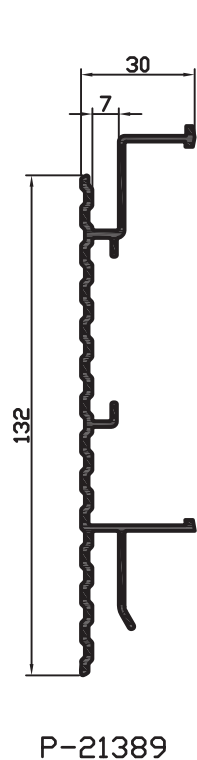
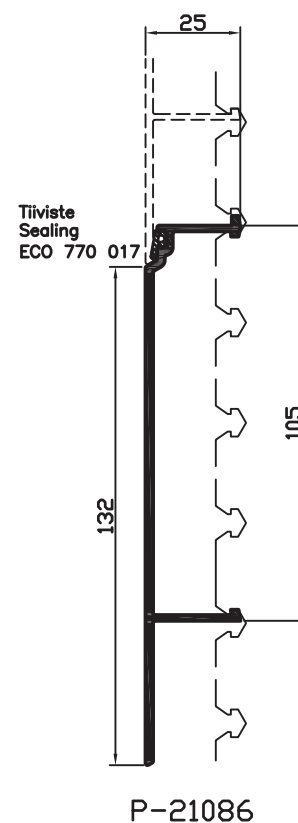
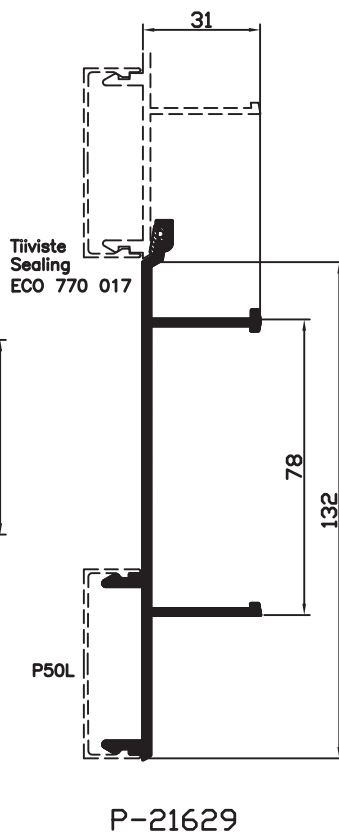
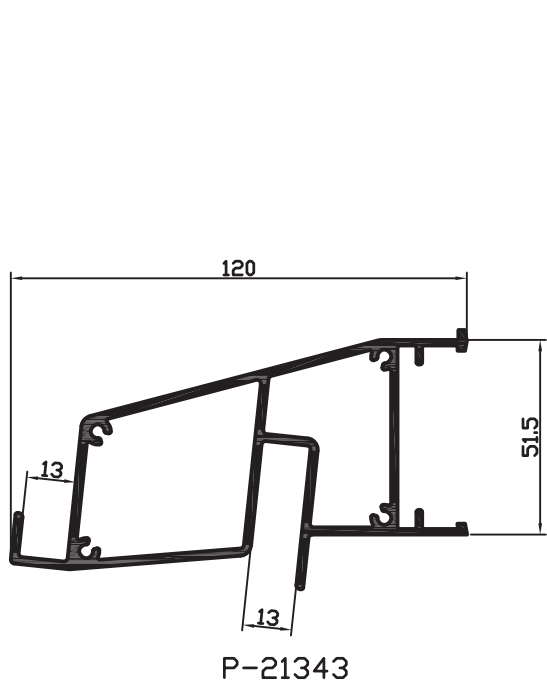
NAPSU säleet NAPSU Louvre System



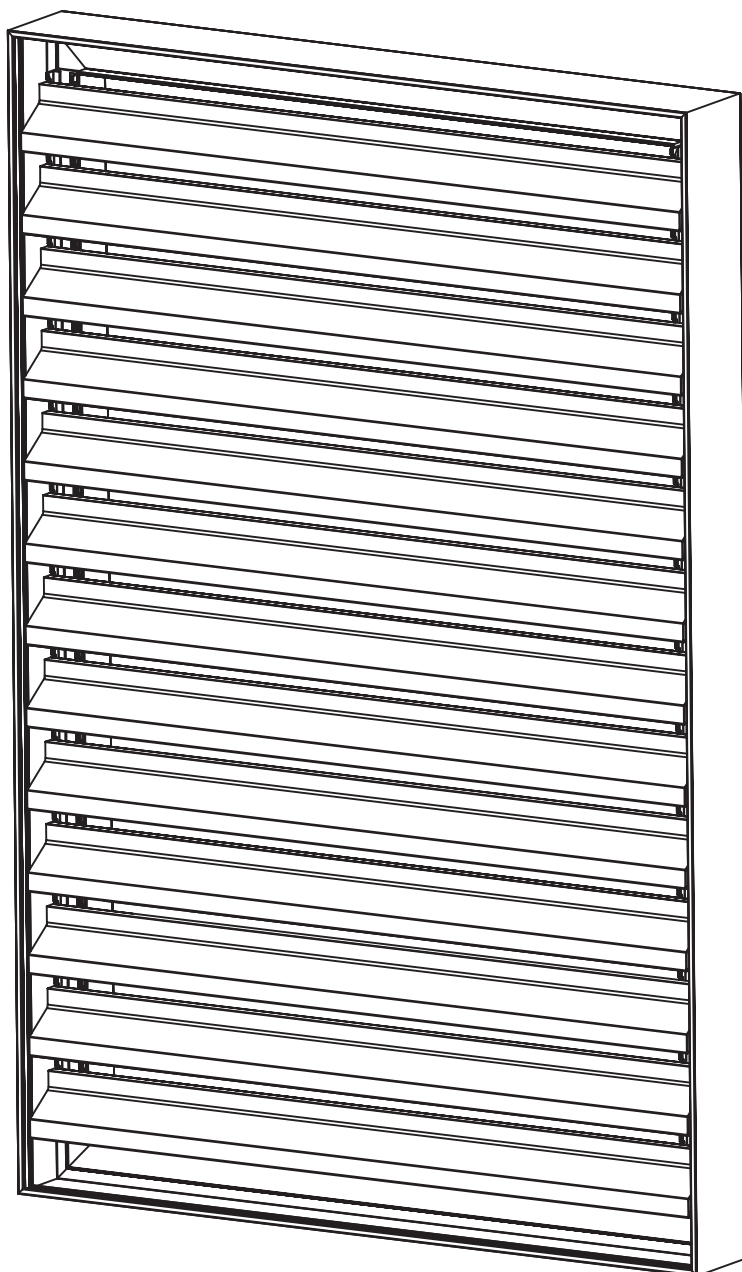
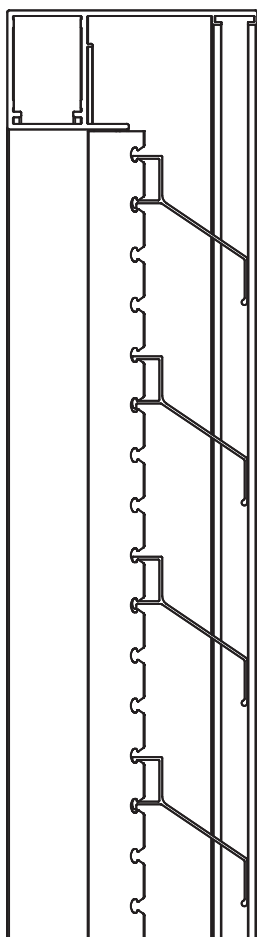
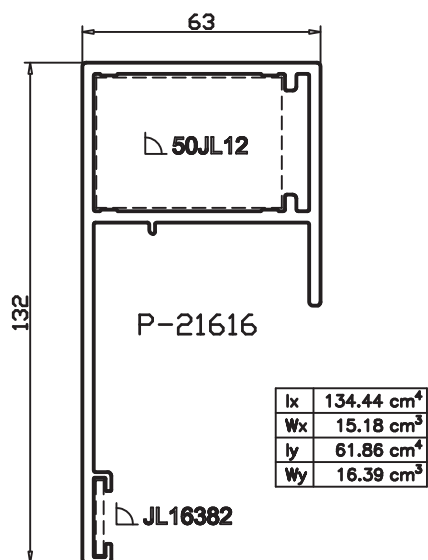
NAPSU säleet
NAPSU Louvre System



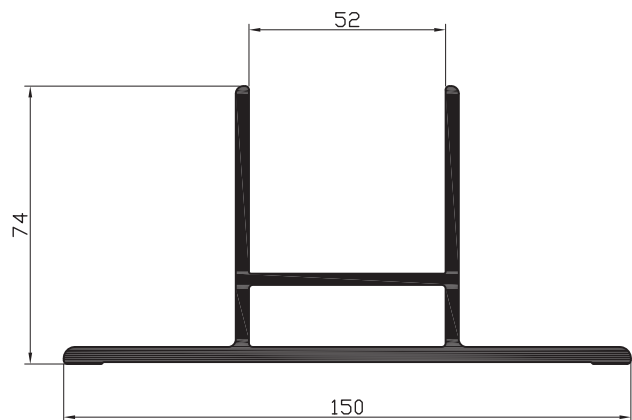
NAPSU säleet NAPSU Louvre System



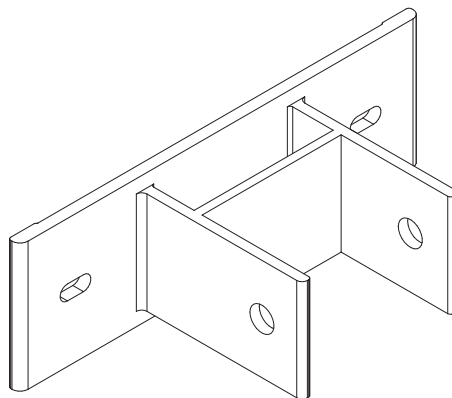
Kehikko profiili
Frame profile



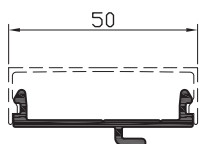
APURUNGOT JA KIINNITYSKORVAKKEET PROFILES AND MOUNTING BRACKETS



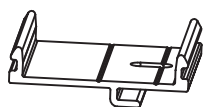
P-21406



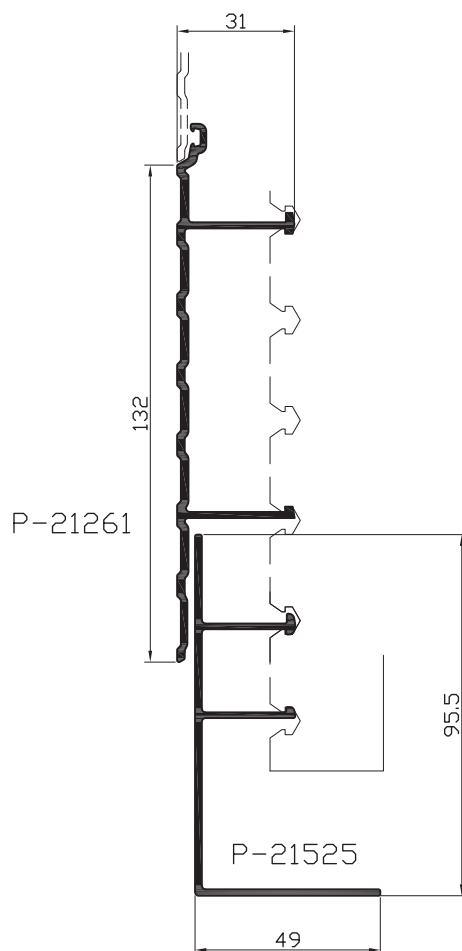
P50L peitelista
P50L cover strip



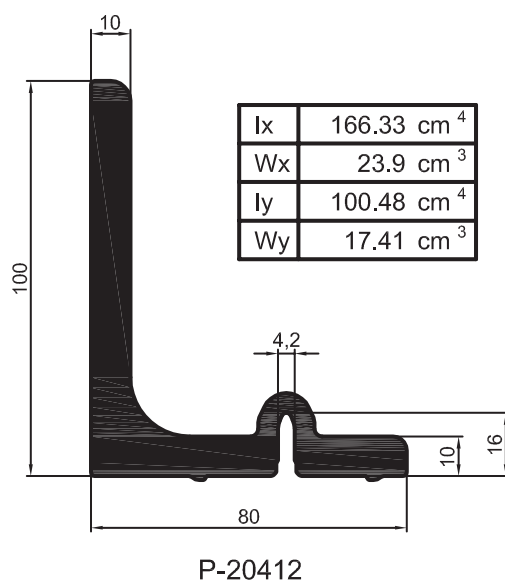
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K2127

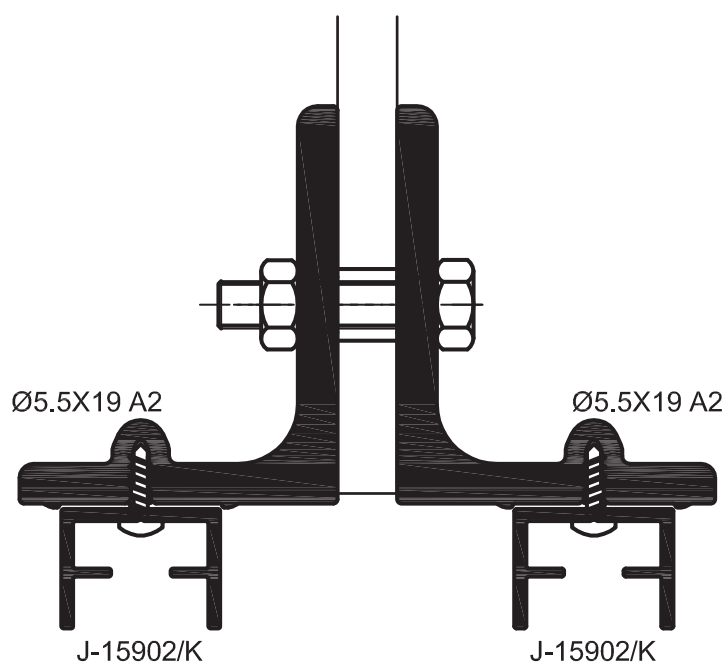


APURUNGOT JA KIINNITYSKORVAKKEET PROFILES AND MOUNTING BRACKETS



Kiinnityskorvake kiinnitetään tukevasti esimerkiksi rakennusrungosta ulkonevaan lattaan

Mounting brackets are fixed securely for example to a flat bar projectin out from building frame

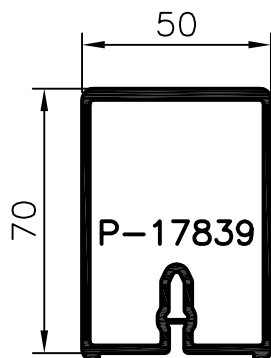


APURUNGOT JA KIINNITYSKORVAKKEET
PROFILES AND MOUNTING BRACKETS

Kiinnityskorvakkeet
Mounting brackets

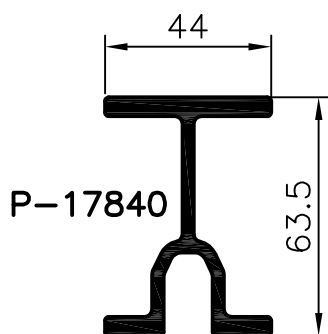
Runkoprofiili
Frame profile

I _x	43.12 cm ⁴
W _x	11.75 cm ³
I _y	20.80 cm ⁴
W _y	8.32 cm ³

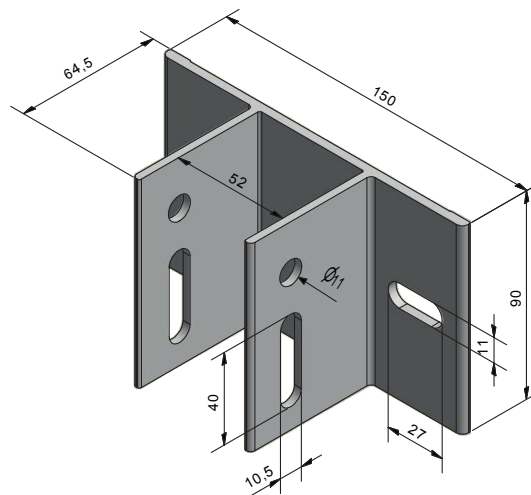


Jäykisteprofiili
Reinforcement
profile

I _x	38.02 cm ⁴
W _x	11.55 cm ³
I _y	7.60 cm ⁴
W _y	3.46 cm ³



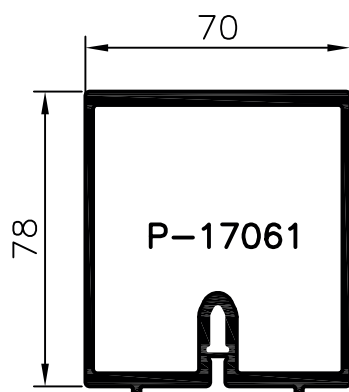
YLÄ- JA ALAKIINNIKE
TOP AND BOTTOM BRACKETS
17841/ K2081



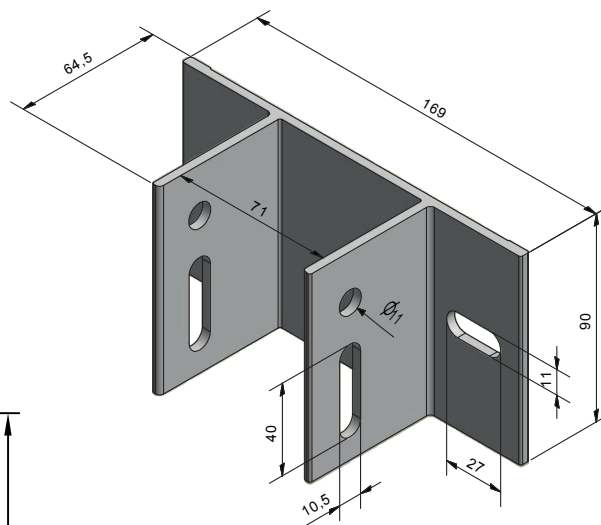
Runkoprofilin kiinnitysruuvi 4,8 × 25
Fastening screw for frame profile 4.8 × 25

Runkoprofiili
Frame profile

I _x	86.73 cm ⁴
W _x	20.46 cm ³
I _y	53.35 cm ⁴
W _y	15.24 cm ³

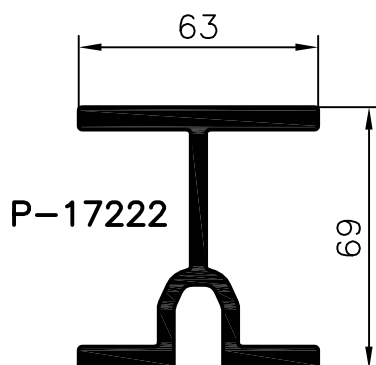


YLÄ- JA ALAKIINNIKE
TOP AND BOTTOM BRACKETS
17062/ K2082



Jäykisteprofiili
Reinforcement
profile

I _x	78.37 cm ⁴
W _x	22.16 cm ³
I _y	26.20 cm ⁴
W _y	8.27 cm ³



Runkoprofilin kiinnitysruuvi 4,8 × 25
Fastening screw for frame profile 4.8 × 25

ASENNUSJÄRJESTYS INSTALLATION ORDER

1.

jäykisteprofiili
reinforcement
profile

kiinnityskorvake
mounting brackets

runkoprofiili
frame profile

2.

kampaprofiili
mounting profile

3.

säleiden asennus
asennussuunta huomioitava
install the louvers
installation of the direction taken
into consideration

1. Kiinnityskorvakkeet kiinni ja
runkoprofiili pultataan paikalleen.
Jäykisteprofiili sisään tarvittaessa.

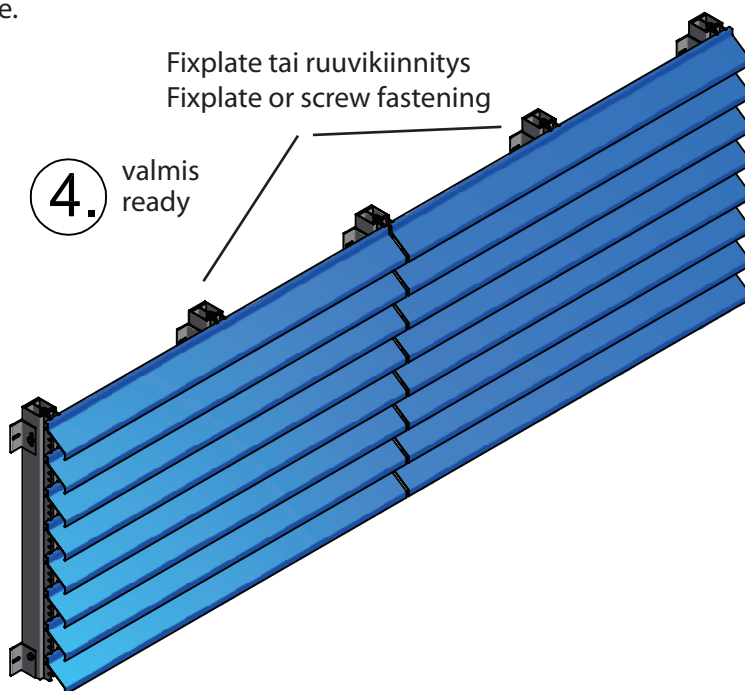
Install the mounting brackets.
Bolt the frame profile into place.
Insert the reinforcement profile,
if necessary.

2. Kiinnityskampa
ruuvataan kohdalleen.

Screw the mounting profile
into place.

4.
valmis
ready

Fixplate tai ruuvikiinnitys
Fixplate or screw fastening



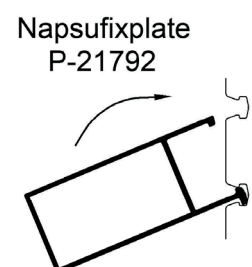
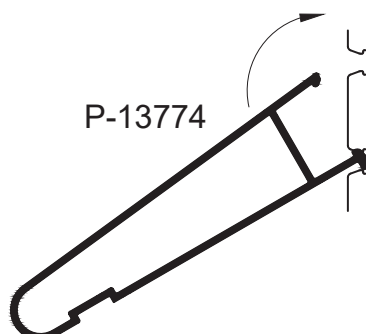
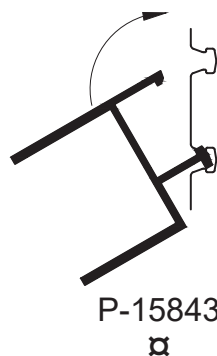
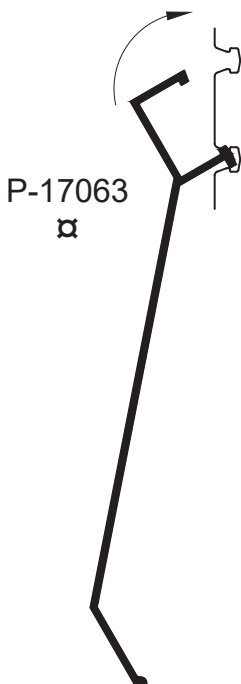
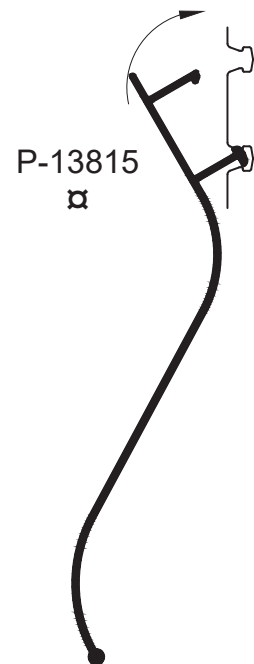
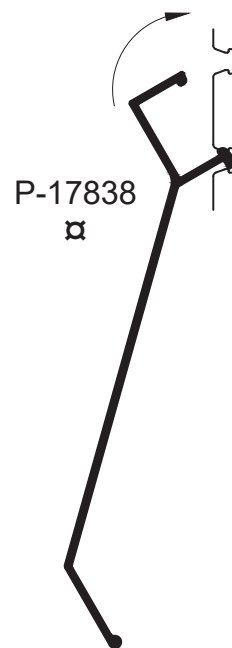
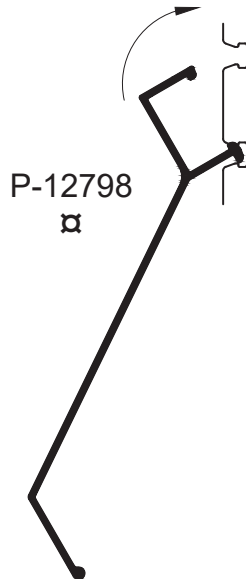
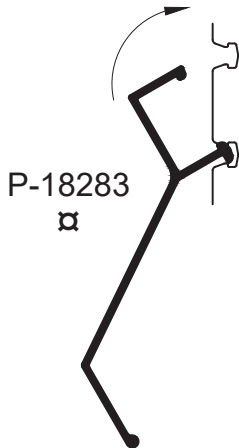
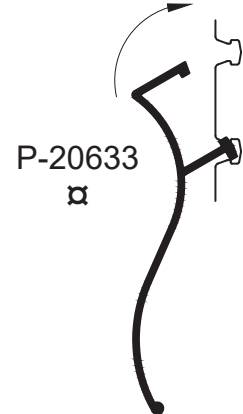
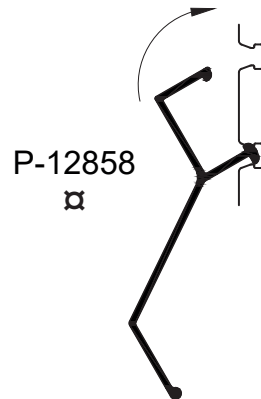
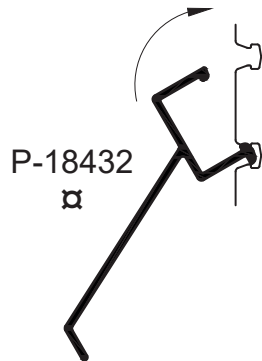
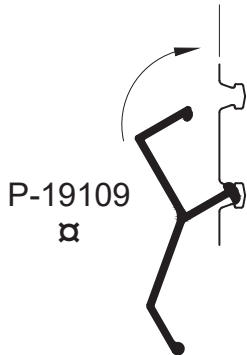
Säleen asennussuunta Installation of lamell

Fixplate- tai ruuvikiinnitys pakollinen

Lamells will be fixed from middle of lamell with Fixplate or screw

☒ = esim. ruuvi Ø4.2x32 A2

☒ = e.g. screw Ø4.2x32 A2



Säleen asennussuunta Installation of lamell

Fixplate- tai ruuvikiinnitys pakollinen

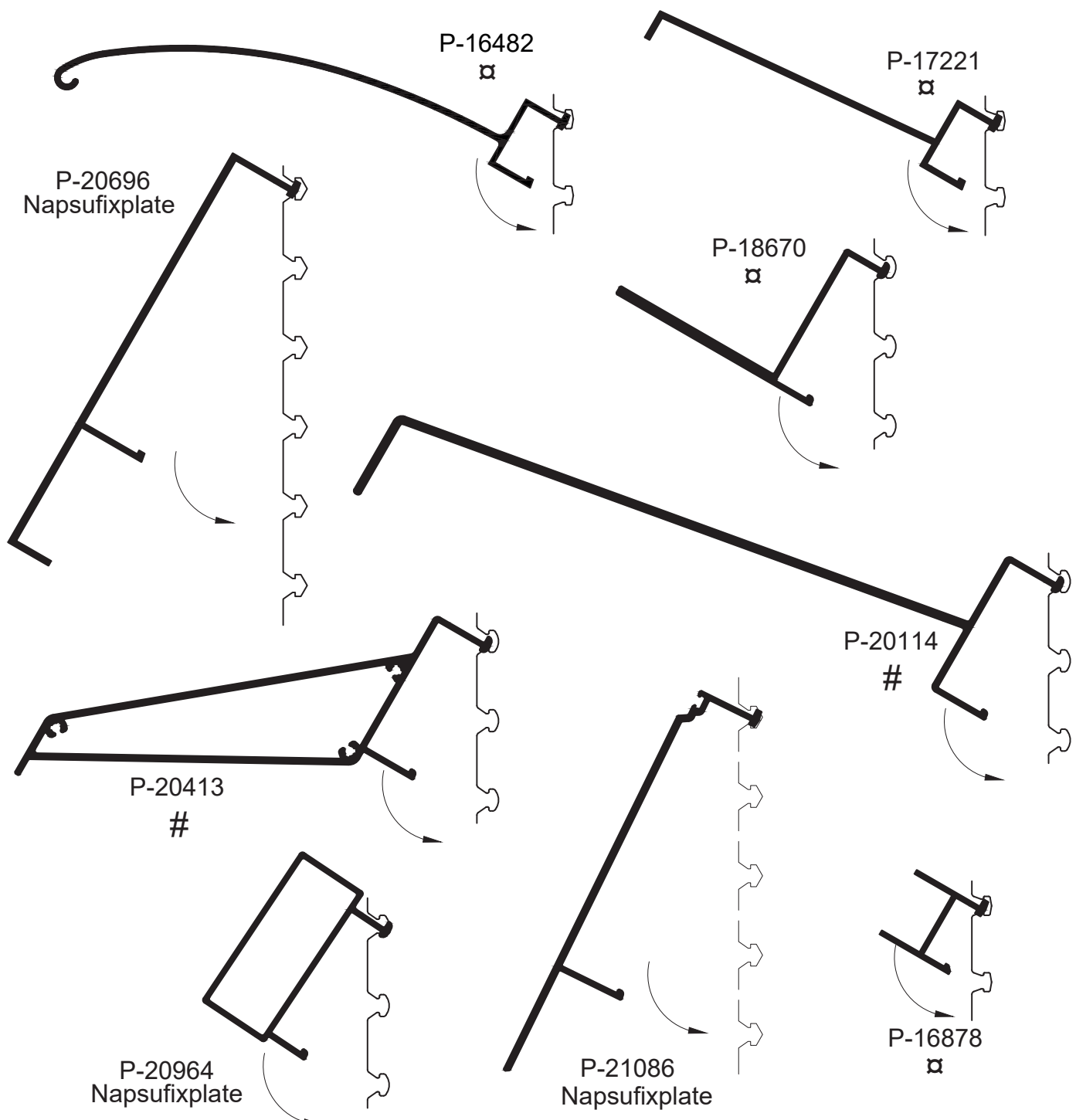
Lamells will be fixed from middle of lamell with Fixplate or screw

α = esim. ruuvi Ø 4.2x32 A2

α = e.g. screw Ø 4.2x32 A2

= esim. ruuvi Ø 4.2x38 A2

= e.g. screw Ø 4.2x38 A2



Säleen asennussuunta Installation of lamell

Fixplate- tai ruuvikiinnitys pakollinen

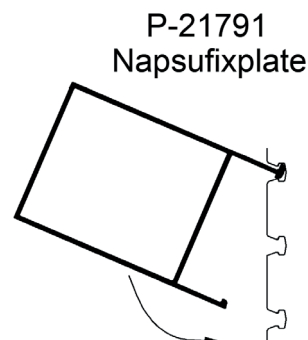
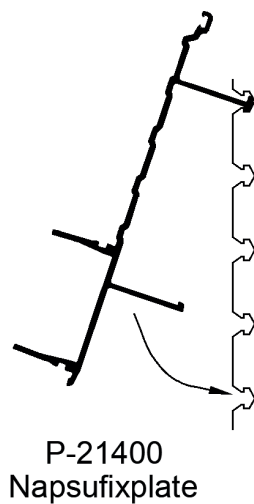
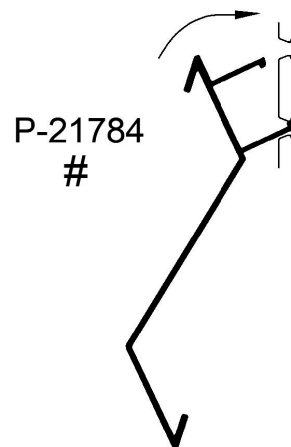
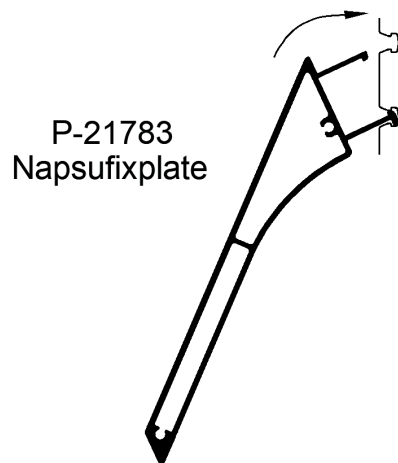
Lamells will be fixed from middle of lamell with Fixplate or screw

α = esim. ruuvi Ø 4.2x32 A2

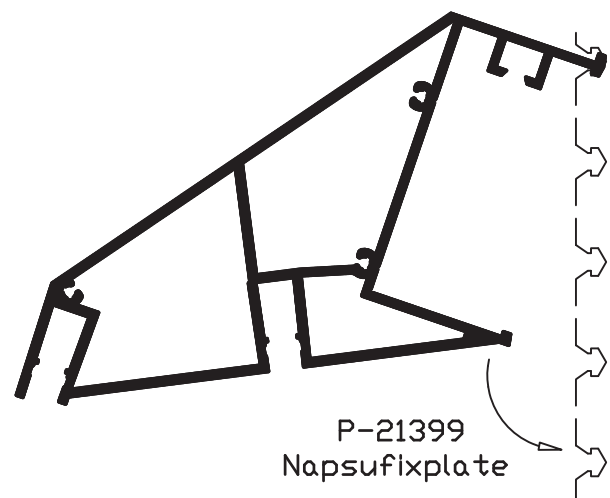
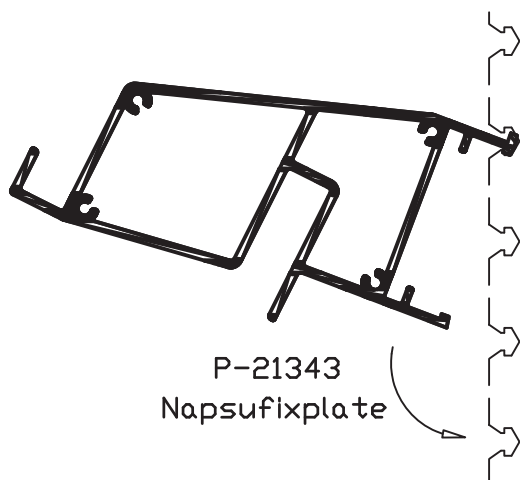
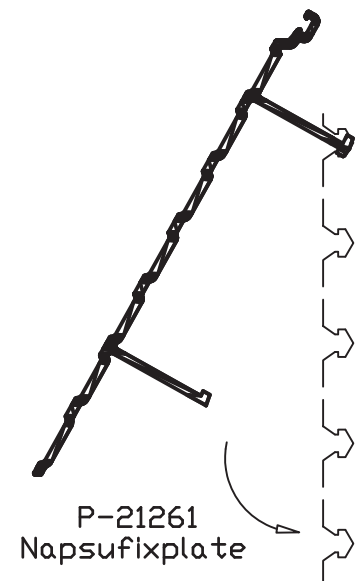
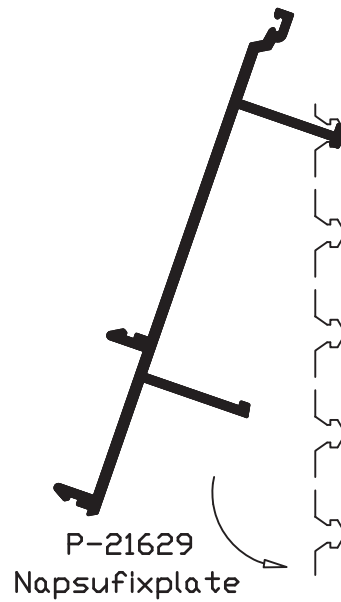
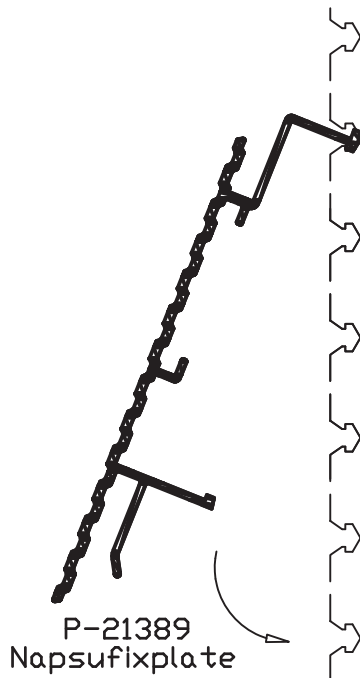
α = e.g. screw Ø 4.2x32 A2

= esim. ruuvi Ø 4.2x38 A2

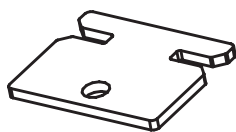
= e.g. screw Ø 4.2x38 A2



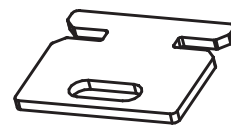
Säleen asennussuunta Installation of lamell



NAPSU LISÄOSAT
ADDITIONAL PARTS

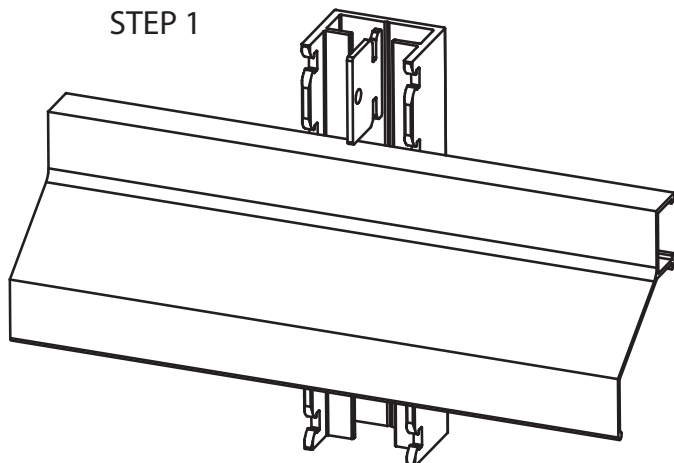


JMNapsufixplate1

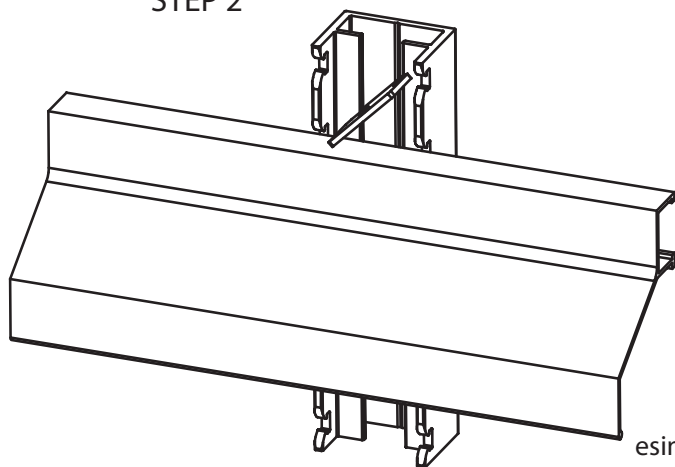


JMNapsufixplate2

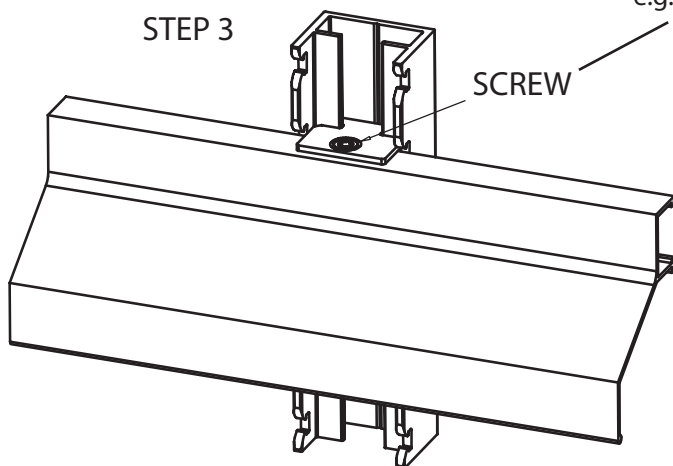
STEP 1



STEP 2

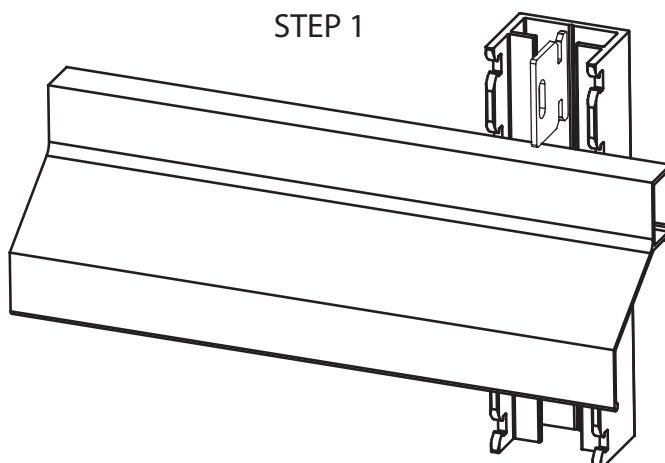


STEP 3

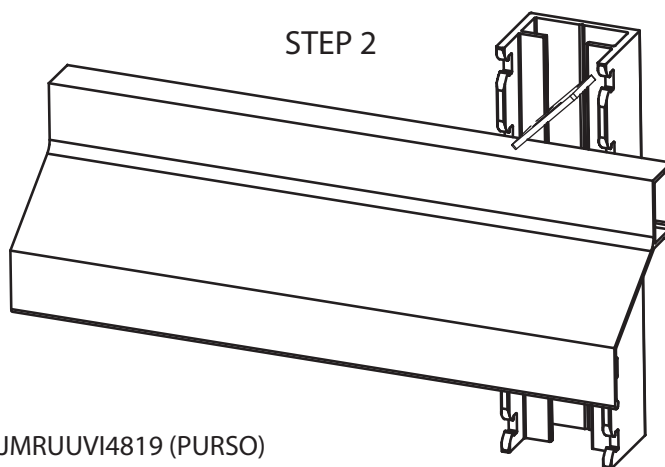


SCREW

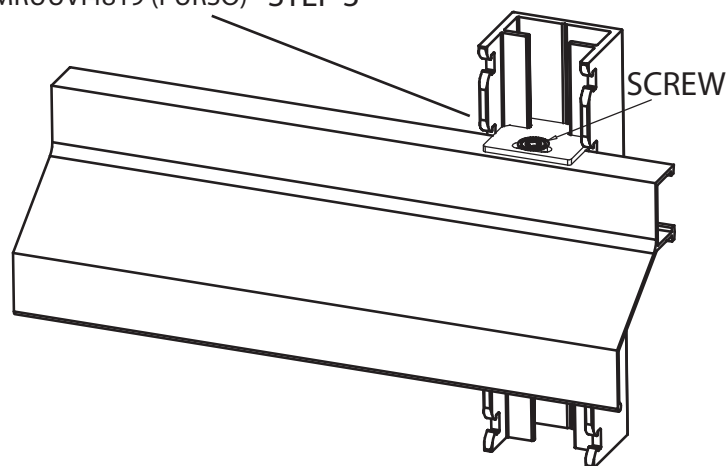
STEP 1



STEP 2



STEP 3



SCREW

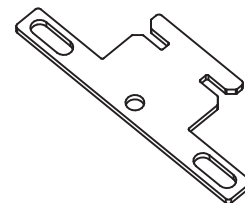
esim. JMRUUVI4819 (PURSO)

e.g. JMRUUVI4819 (PURSO)

NAPSU LISÄOSAT
ADDITIONAL PARTS

JMNapsuffixplate4

STEP 1



STEP 2

STEP 3

esim. JMRUUUVI4819 (PURSO)

e.g. JMRUUUVI4819 (PURSO)

JMNapsuffixplate4

JMNapsuffixplate1

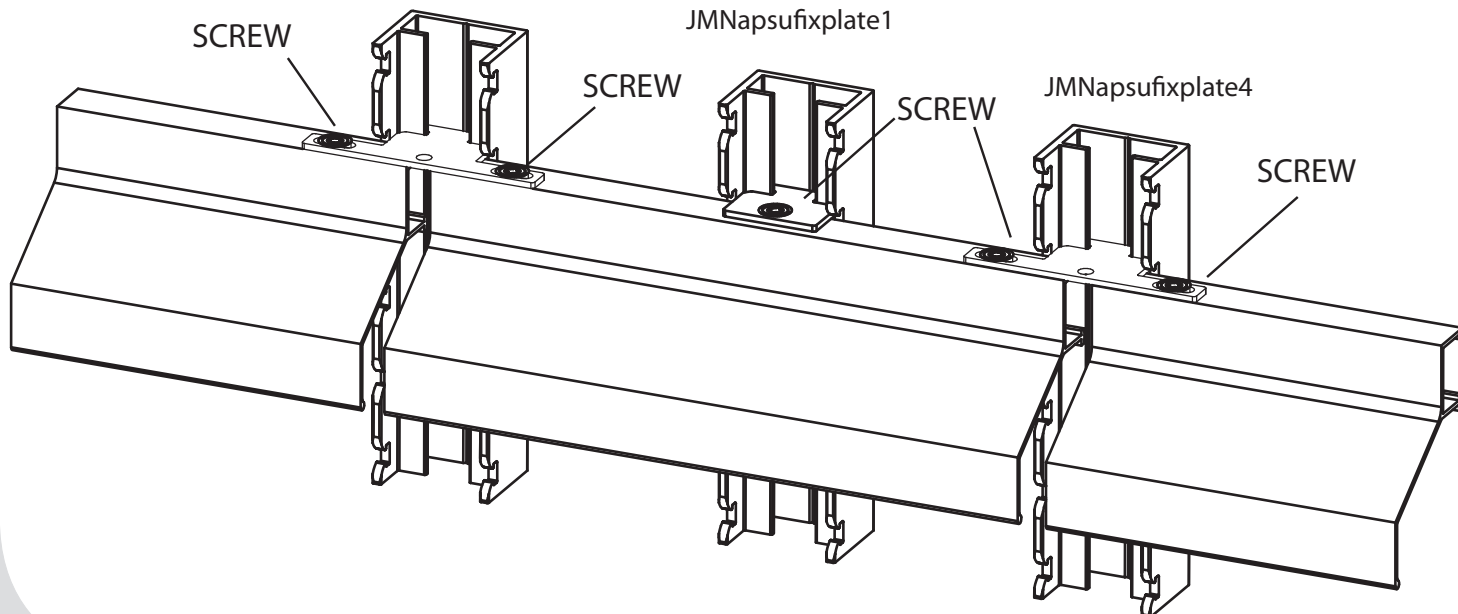
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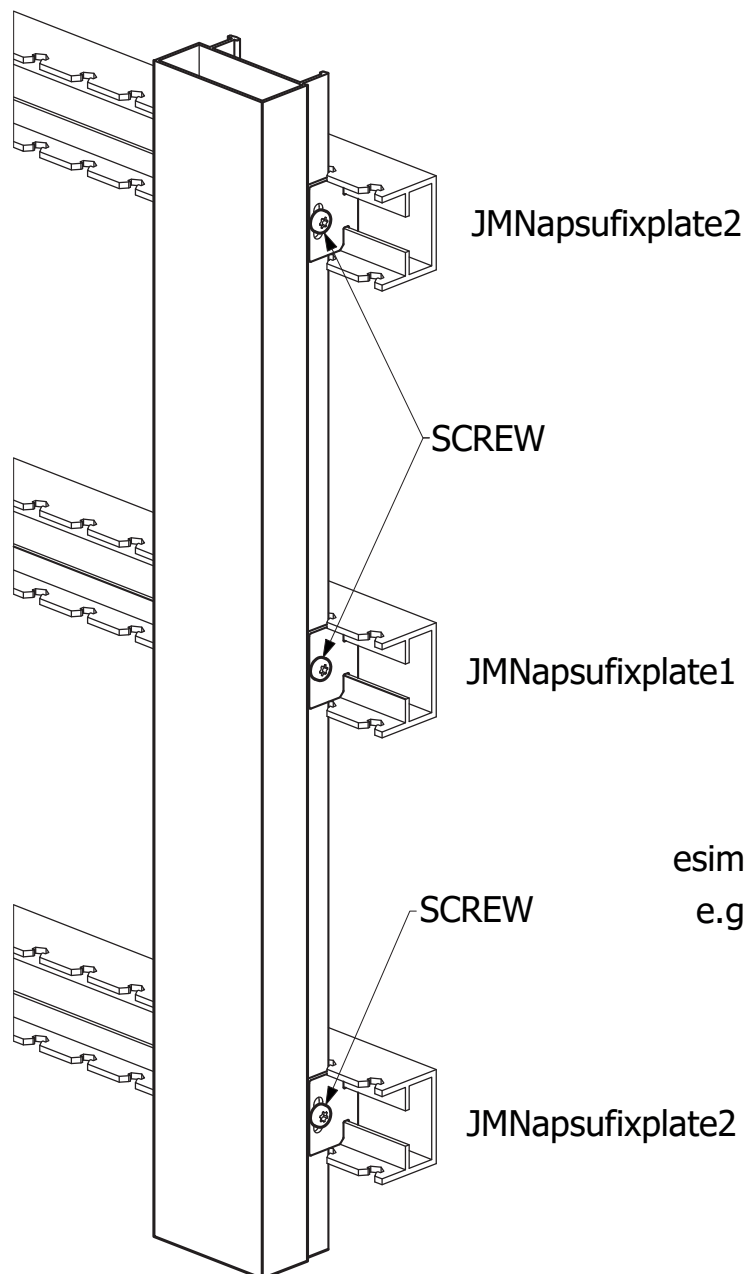
SCREW

SCREW

JMNapsuffixplate4

SCREW



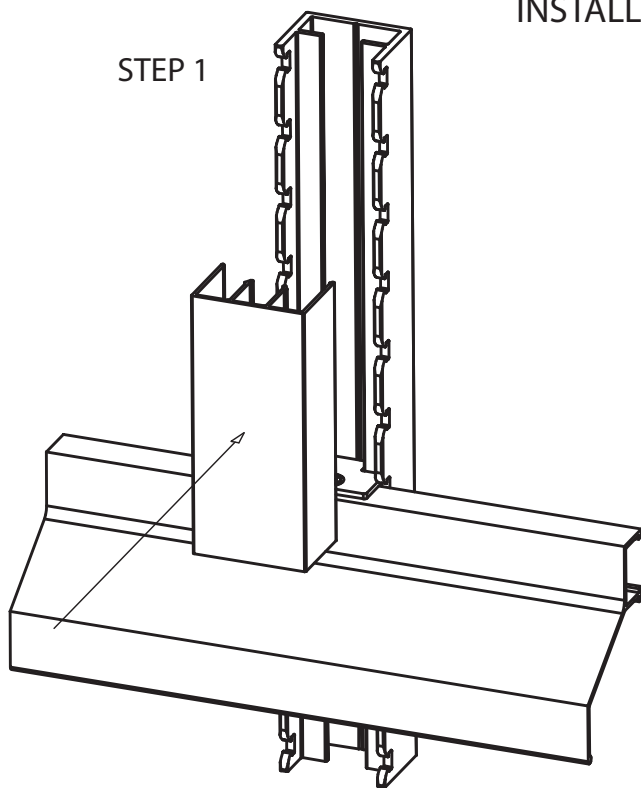


esim. JMRUUVI4819 (PURSO)
e.g. JMRUUVI4819 (PURSO)

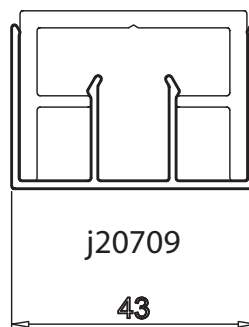
NAPSU LISÄOSAT
ADDITIONAL PARTS

PEITEPROFIILIN J20709 ASENNUS
INSTALLATION OF COVER PROFILE J20709

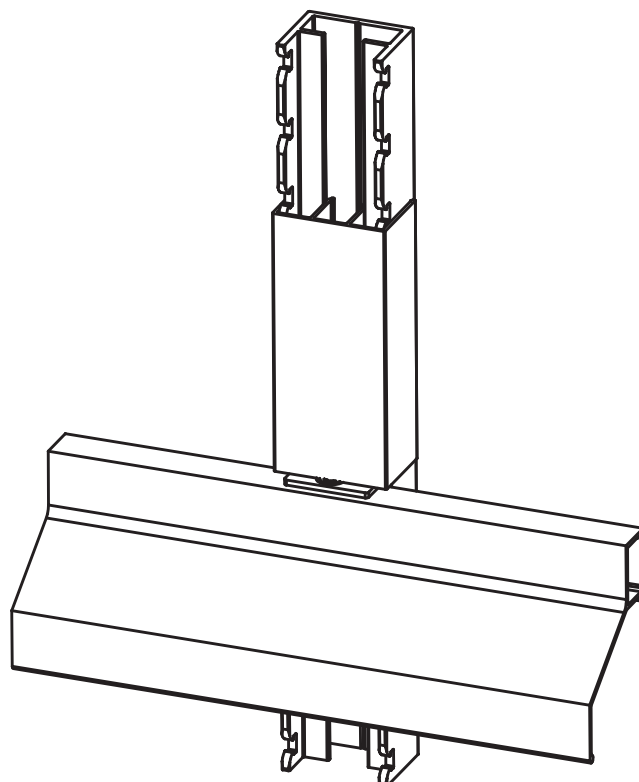
STEP 1



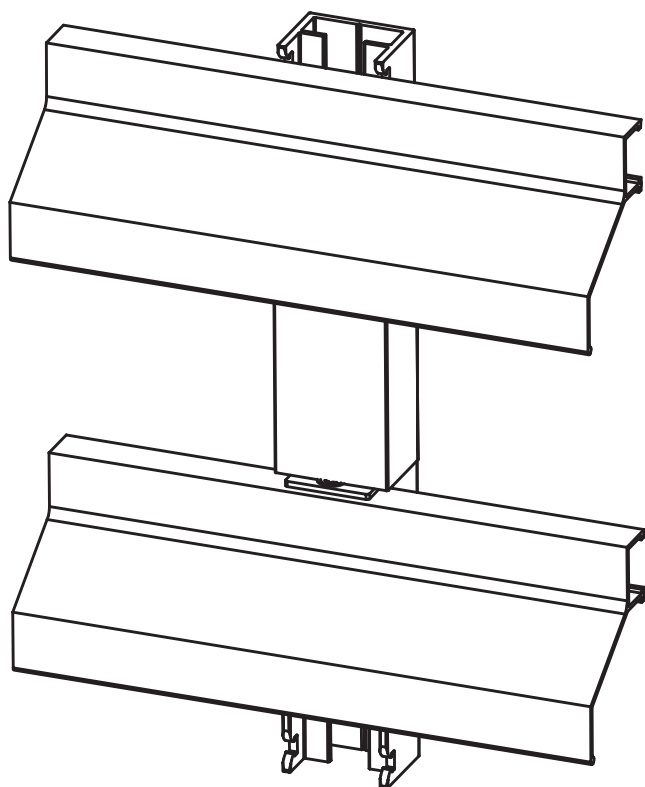
15902/K



STEP 2



STEP 3



NAPSU SÄLEET SUURIMMAT SUOSITELTAVAT JÄNNEVÄLIT RECOMMENDED MAXIMUM SPAN OF LOUVRE BLADES

Säleikkölistat kuormitettuna heikoimpaan suuntaan. Kiinnitykset tarkastettava erikseen.

Lämpöliikkeet otettava huomioon kiinnityksissä.

Alumiinin lämpöpiteneimiskerroin on $24 \cdot 10^{-6}/^{\circ}\text{C}$. Esim. lämpötilamuutoksen ollessa 70°C , säleen jonka pituus on 2000mm pituus muuttuu 3.4 mm

Louvre blades are loaded at the weakest orientation. Mountin must be verified separately.

Thermal movement must be taken into account when mounting.

The thermal expansion coefficient of aluminium is $24 \cdot 10^{-6}/^{\circ}\text{C}$. A temperature change of 70°C degrees, for instance, changes the length of a 2000 mm louvre by 3,4 mm.

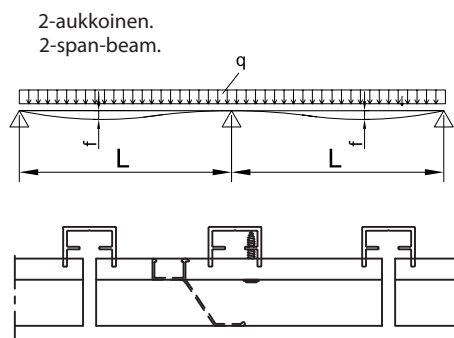
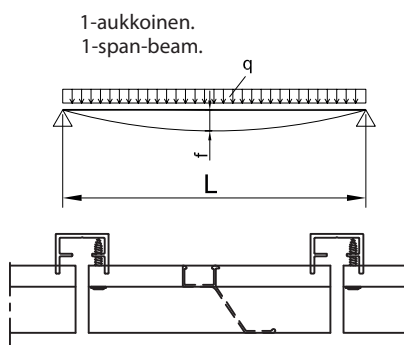
Profile	kg/m	Kuormitus q Load q					
		Omapaino Dead weight		Omapaino + Tuuli 0.6 kN/m ² Dead weight+ Wind 0.6 kN/m ²		Omapaino + Tuuli 0.6 kN/m ² + Jää 0.45 kN/m ² Dead weight + Wind 0.6 kN/m ² + Ice 0.45 kN/m ²	
		$f_{\text{sall}}: L/500$		$f_{\text{sall}}: L/300$		$f_{\text{sall}}: L/100$	
		L_{max} (mm)		L_{max} (mm)		L_{max} (mm)	
		1-aukkoinen 1-span-beam.	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam
P-12798	0.721	2000	2000	1200	1700	1500	1500
P-12858	0.478	2000	2000	1300	1700	1600	1600
P-21792	0.637	2000	2000	2000	2000	2000	2000
P-13774	0.964	2000	2000	1900	2000	2000	2000
P-13815	0.91	2000	2000	1500	2000	1800	1800
P-15843	0.602	2000	2000	2000	2000	2000	2000
P-16482	1.056	2000	2000	1500	2000	1800	1800
P-16878	0.308	2000	2000	1600	2000	2000	2000
P-17063	0.837	2000	2000	1100	1400	1300	1300
P-17221	0.745	2000	2000	1200	1700	1500	1700
P-17838	0.797	2000	2000	1100	1500	1400	1400
P-18283	0.567	2000	2000	1300	1700	1600	1600
P-18432	0.505	2000	2000	1300	1600	1500	1500
P-18670	0.845	2000	2000	2000	2000	2000	2000
P-19109	0.383	2000	2000	1900	2000	2000	2000
P-20114	1.985	2000	2000	2000	2000	2000	2000
P-20413	1.852	2000	2000	2000	2000	2000	2000
P-20633	0.462	2000	2000	1300	1700	1600	1600
P-20696	1.085	2000	2000	1400	1900	1600	1600
P-20964	0.767	2000	2000	2000	2000	2000	2000
P-21086	0.983	2000	2000	1400	1900	1600	1600

Säleikkölistojen maksimi käyttöpituus 4000 mm.

The maximum use of length four louvre blades is 4000 mm.

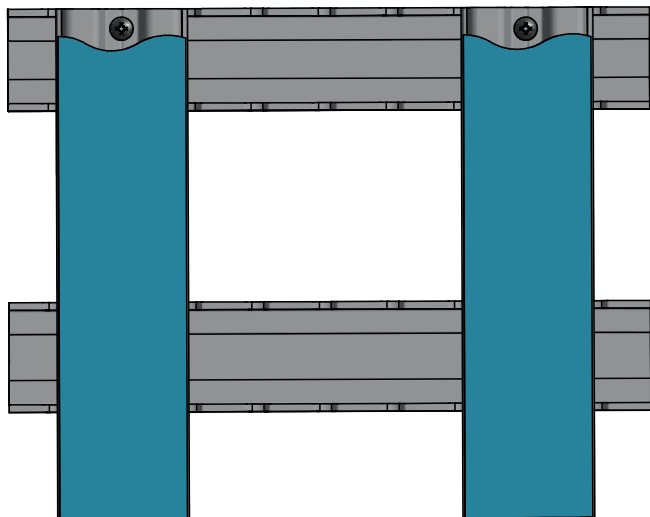
Säleikkölistojen maksimi toimituspituus 6600 mm.

The maximum delivery length four louvre blades is 6600 mm.

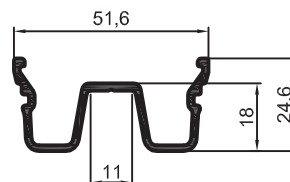


P50L PEITTEIDEN LIITTÄMINEN NAPSU JÄRJESTELMÄÄN MOUNTING P50L COVER PROFILES TO NAPSU SYSTEM

Lukitusruuvit
Screw attachment



P50L sarjan peitteiden kanssa
käytetään väliprofilia P-18541
Mounting profile P-18541 needs to be used
with P50L cover profiles

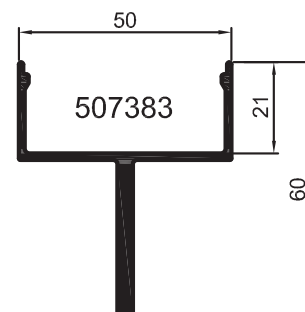
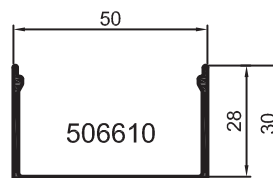
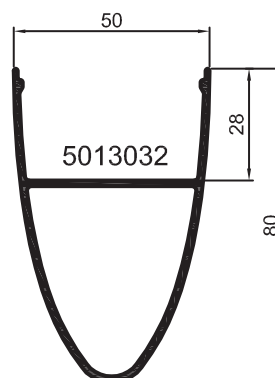
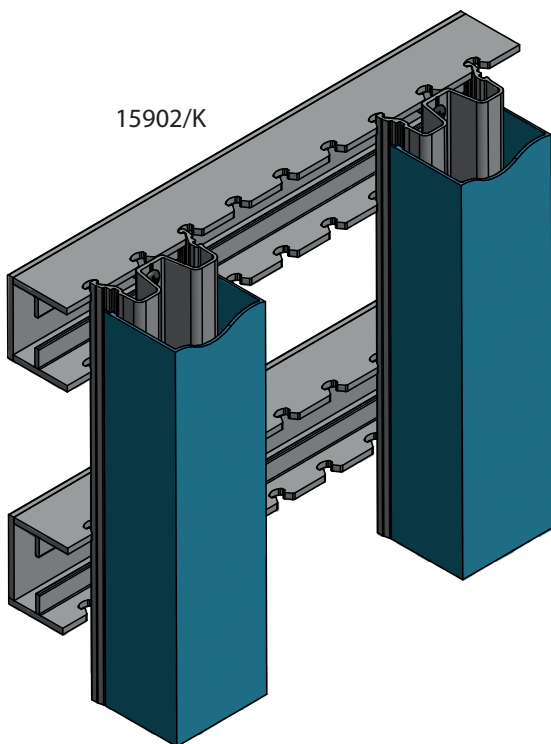


P-18541

Esimerkkejä P50L sarjan peitteistä
Lisää peitevaihtoehtoja P50L sarjan esitteessä
(tarkista peitteen yhteensopivuus väliprofilin kanssa)

Examples of P50L cover profiles
More cover profiles can be found from
the P50L catalogue
(check compatibility between
covers and mounting profile)

15902/K

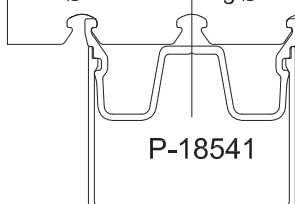


Kiinnitysprofilia P-18541 voidaan käyttää pysty- ja vaakatasossa
Mounting profile P-18541 can be used vertically and horizontal

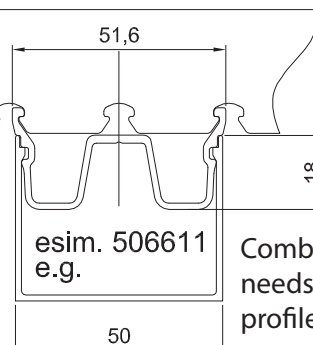
lukitusruuvi
esim. $\varnothing 4.8 \times 25$ A2

screw attachment
e.g. $\varnothing 4.8 \times 25$ A2

15902/K



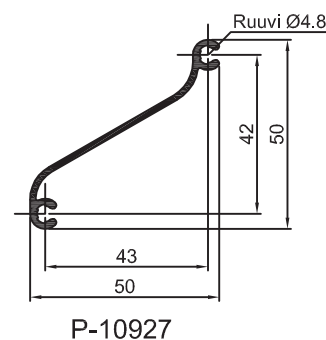
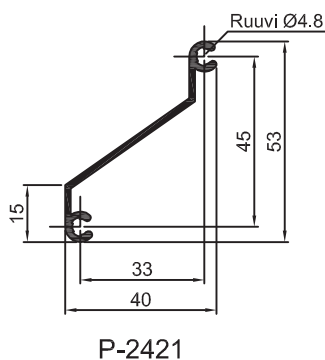
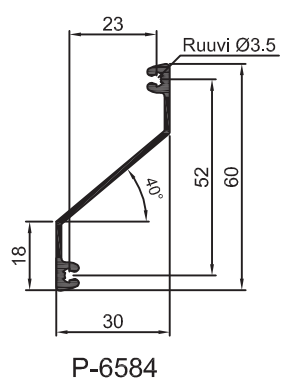
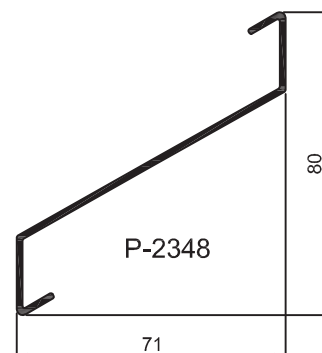
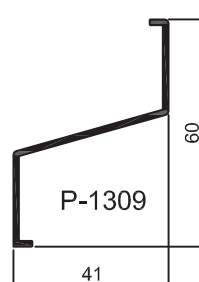
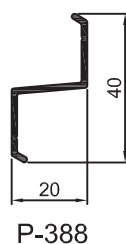
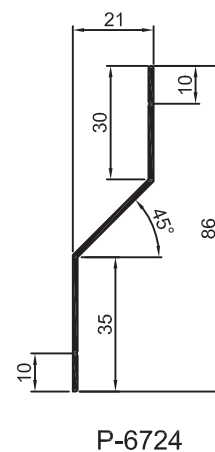
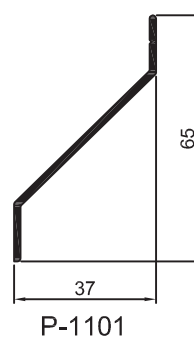
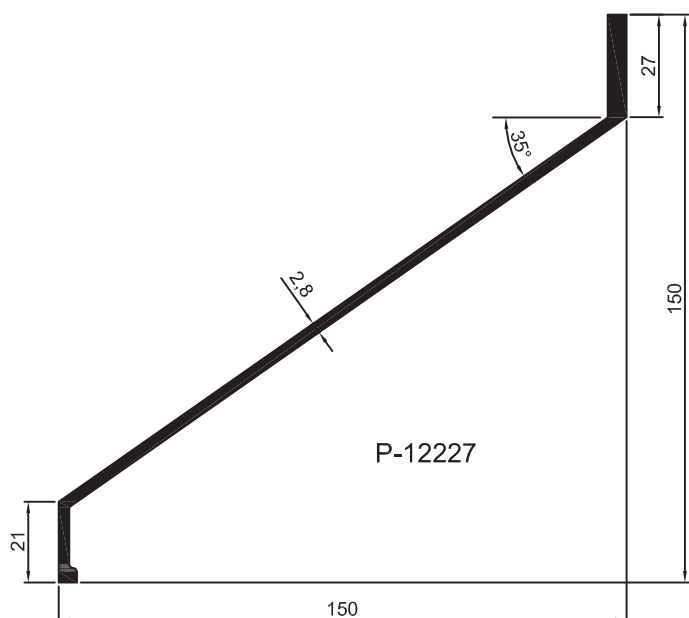
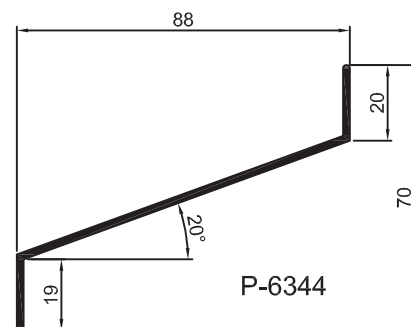
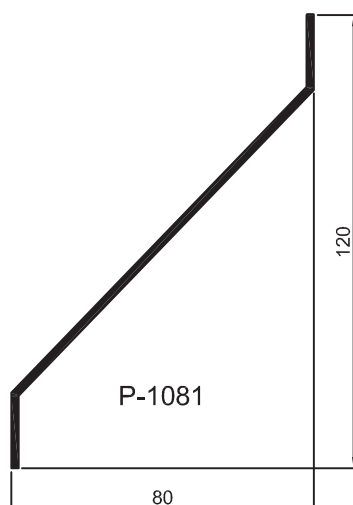
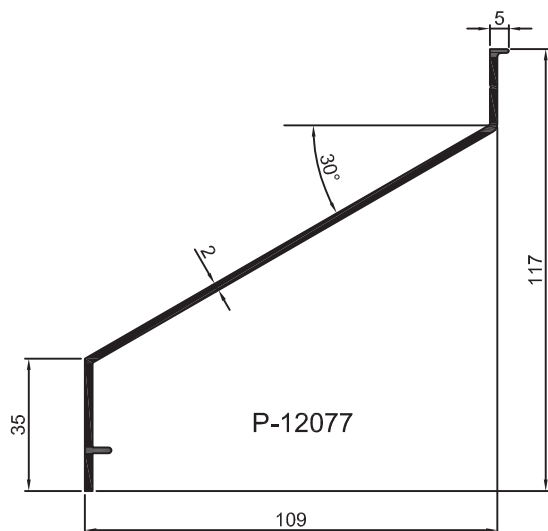
P-18541

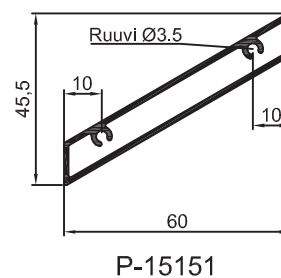
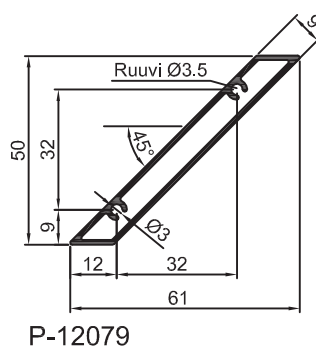
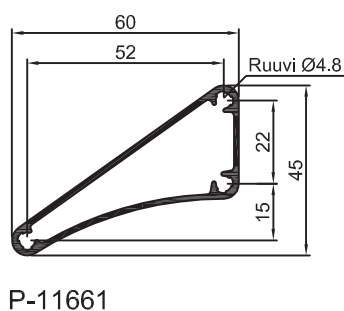
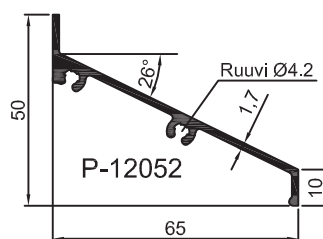
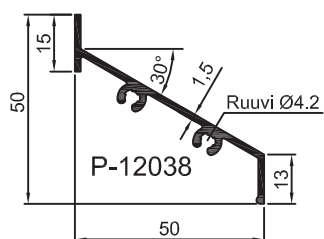
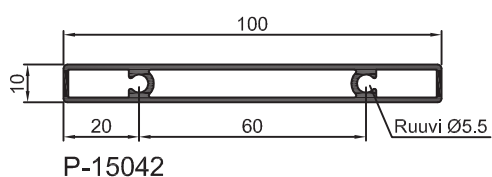
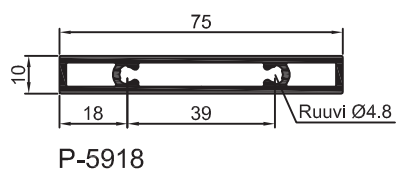
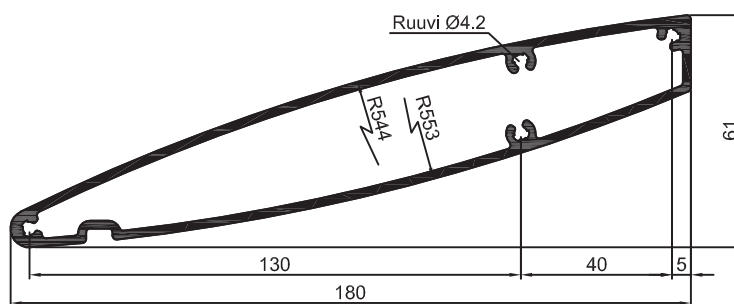
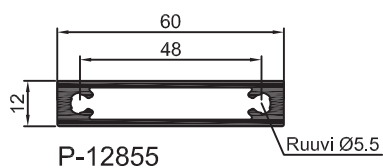
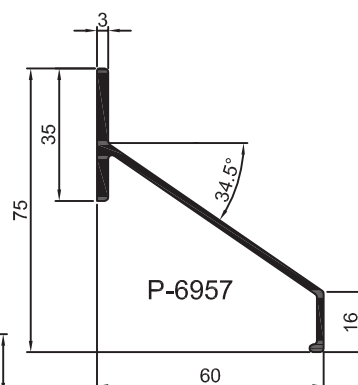
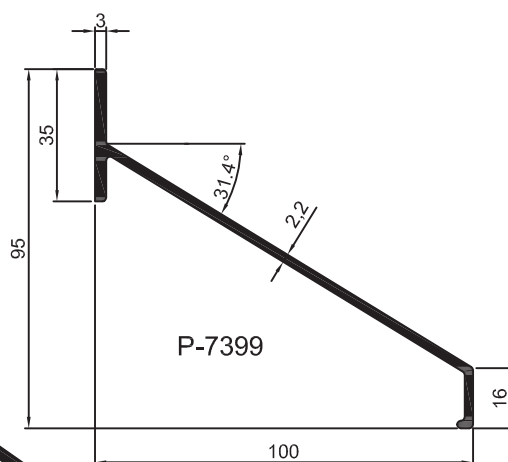
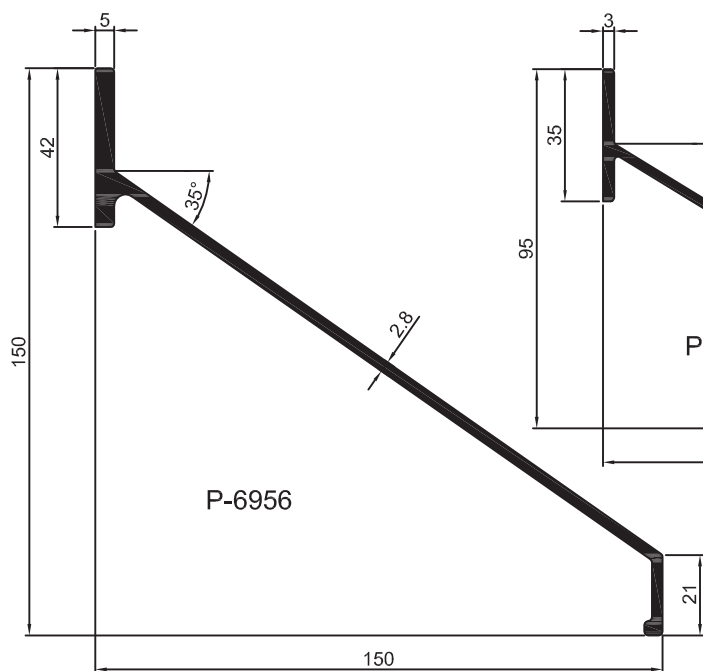


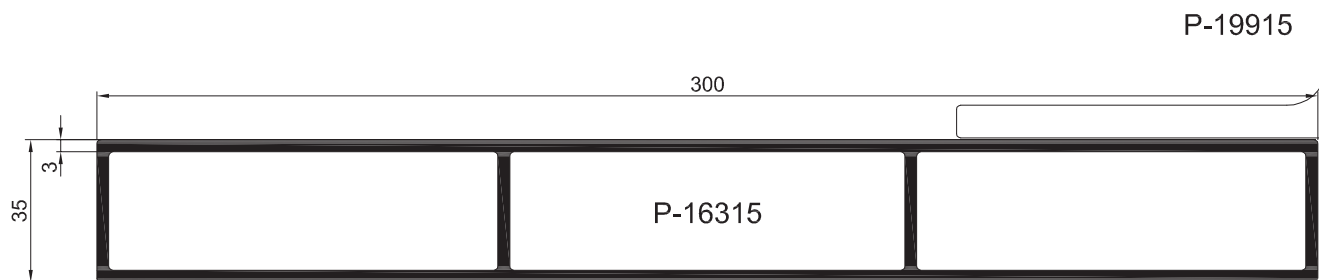
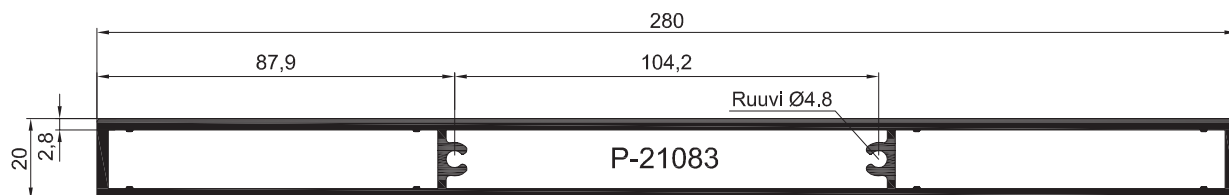
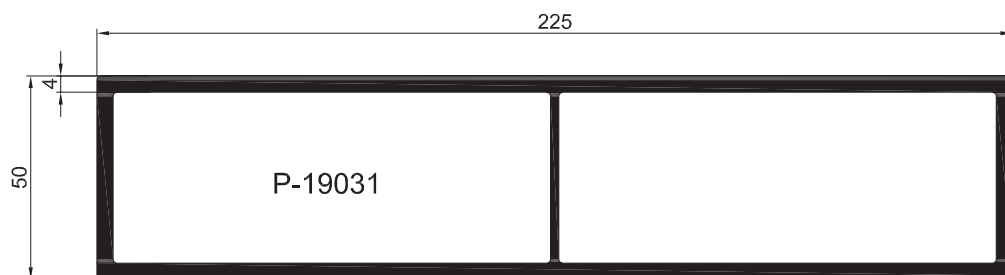
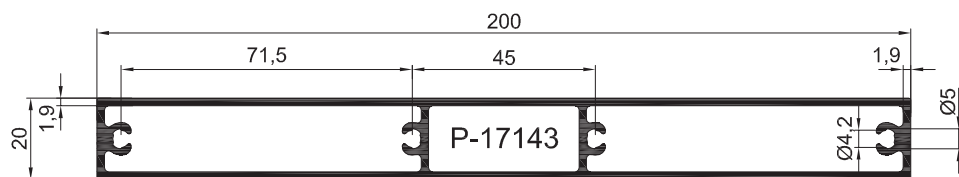
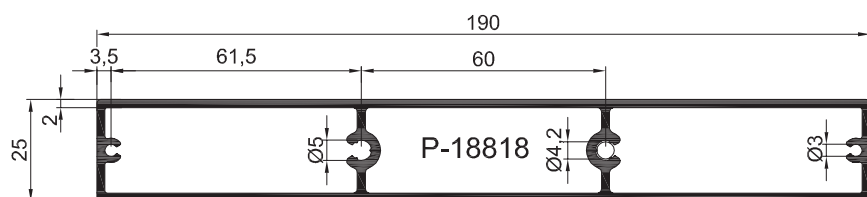
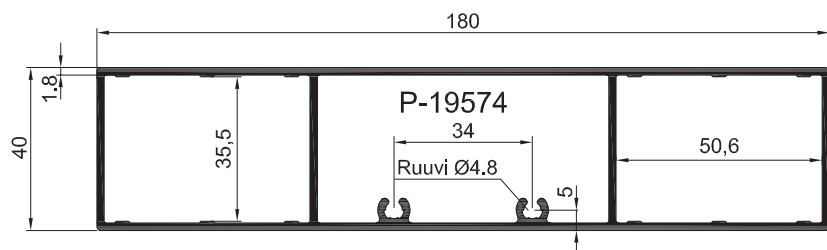
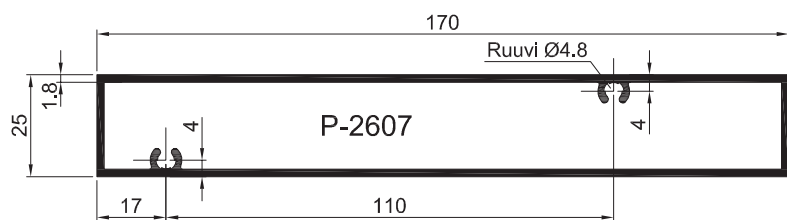
esim. 506611
e.g.

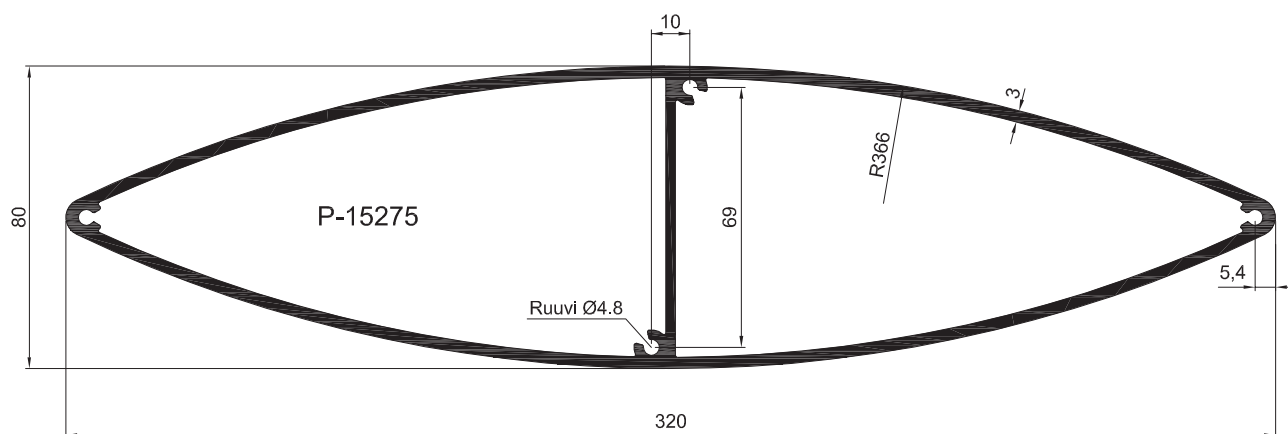
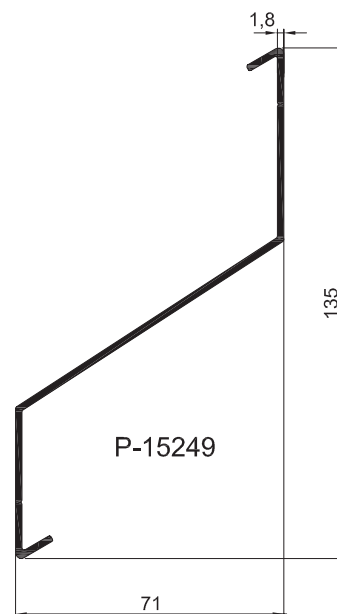
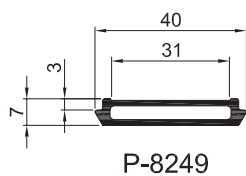
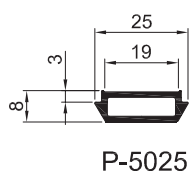
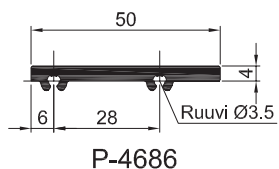
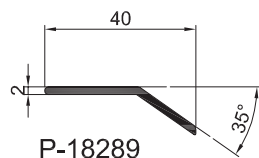
Peitteen yhteensopivuus
väliprofiliin P18541
varmistettava

Compatibility of cover profiles
needs to be ensured with mounting
profile P-18541

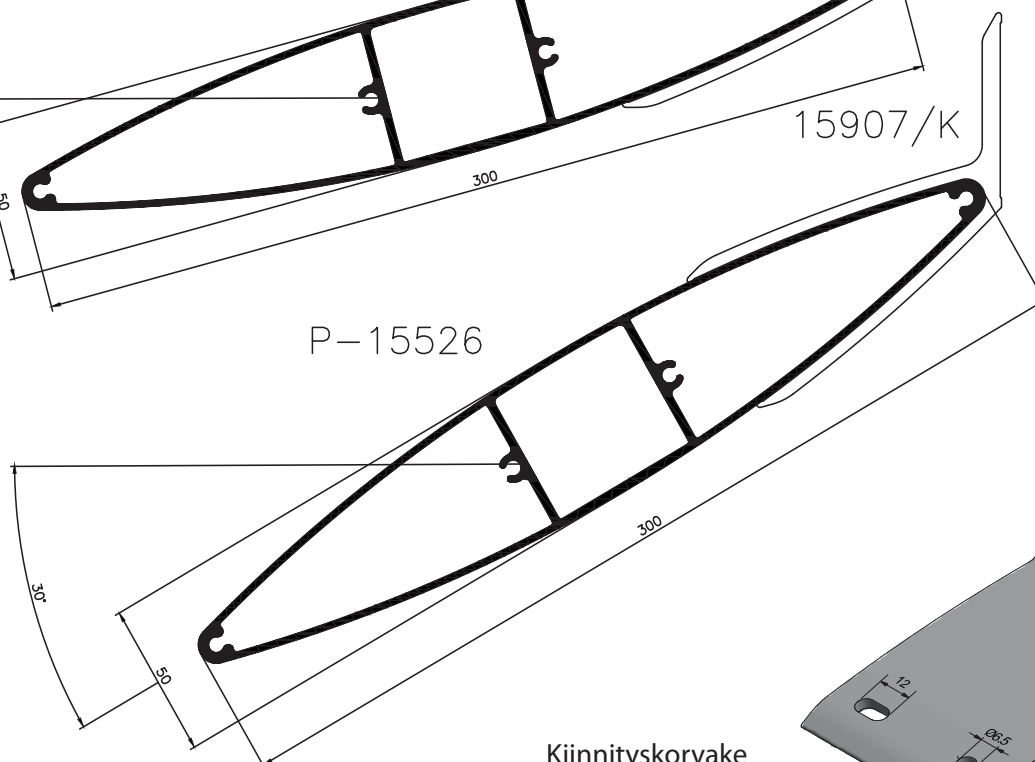
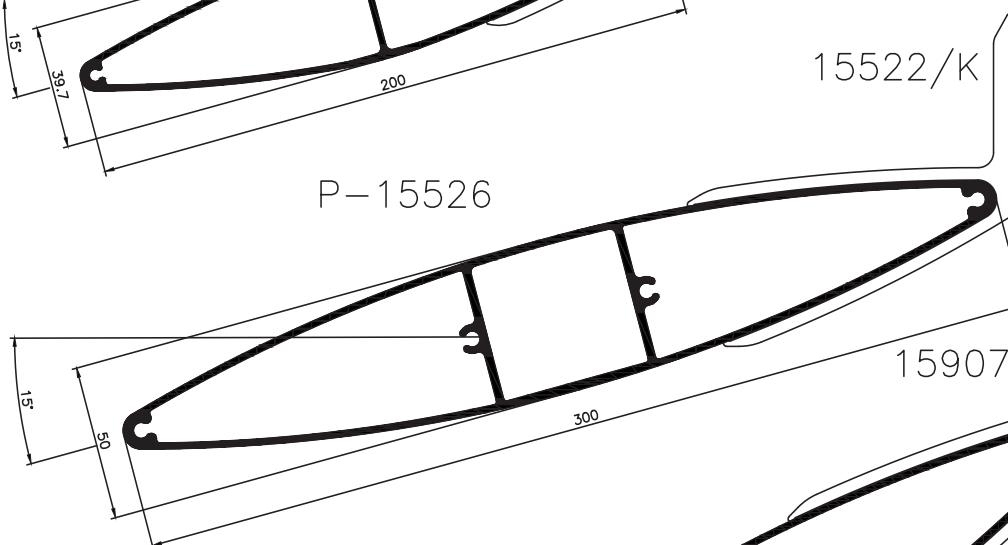
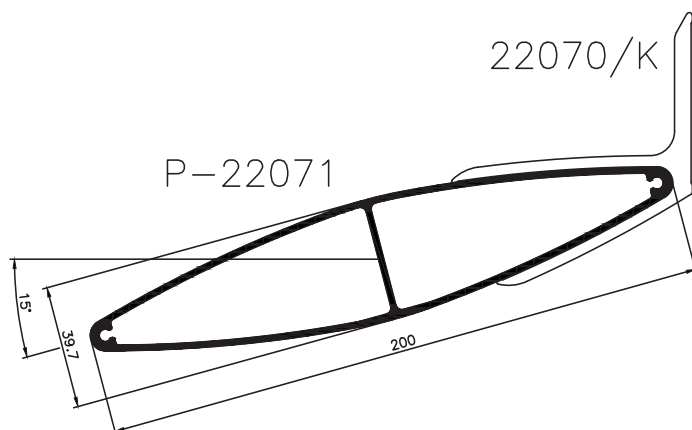
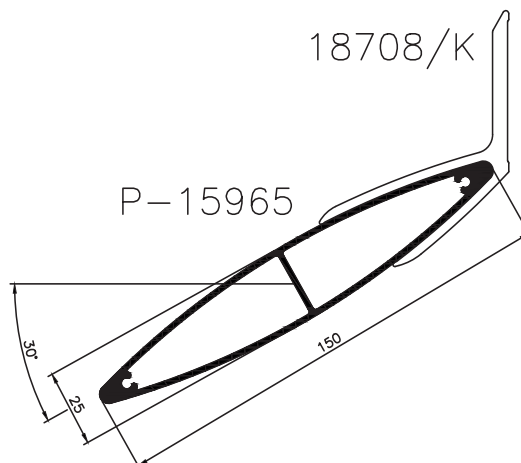
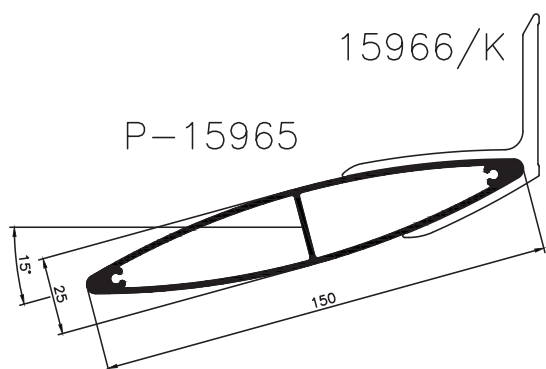




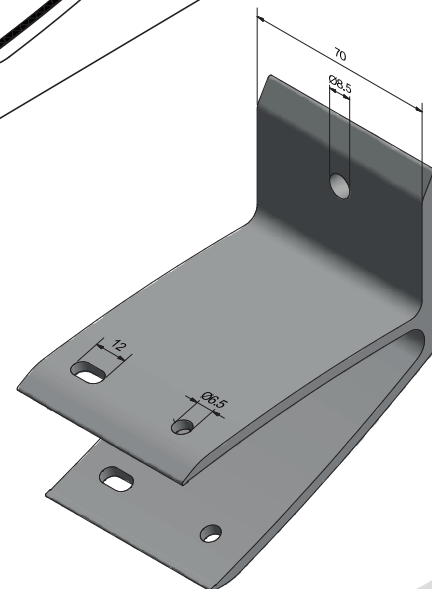




**SIIPISÄLEET
WING**



Kiinnityskorvake
Mounting brackets



SUURIMMAT SUOSITELTAVAT JÄNNEVÄLIT RECOMMENDED MAXIMUM SPAN OF LOUVRE BLADES

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Louvre blades are loaded at the weakest orientation. Mountin must be verified separately.

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Profile	kg/m	Kuormitus q Load q					
		Omapaino Dead weight		Omapaino + Tuuli 0.6 kN/m ² Dead weight + Wind 0.6 kN/m ²		Omapaino + Tuuli 0.6 kN/m ² + Jää 0.45 kN/m ² Dead weight + Wind 0.6 kN/m ² + Ice 0.45 kN/m ²	
		$f_{\text{sall}}: L/500$		$f_{\text{sall}}: L/300$		$f_{\text{sall}}: L/100$	
		L_{max} (mm)		L_{max} (mm)		L_{max} (mm)	
		1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam
P-388	0.240	1800	2400	900	1200	1100	1500
P-1081	0.818	1500	2000	800	1000	900	1000
P-1101	0.365	1300	1700	600	800	700	900
P-1309	0.394	2400	3200	1200	1600	1500	1800
P-2348	0.562	2200	3000	1100	1500	1300	1700
P-2421	0.383	1500	2000	800	1000	900	1100
P-6344	0.635	1900	2500	1000	1300	1200	1200
P-6584	0.389	1600	2200	800	1100	1000	1400
P-6724	0.329	1600	2200	700	1000	900	1100
P-6956	2.087	2300	3200	1400	1900	1700	1800
P-6957	0.699	2200	3000	1200	1700	1500	1600
P-7399	1.053	2100	2800	1200	1600	1400	1500
P-10927	0.394	1400	2000	700	1000	900	1000
P-12038	0.470	1400	1800	700	1000	900	1100
P-12052	0.581	1400	1800	700	1000	900	1000
P-12077	0.991	2400	3200	1300	1700	1500	1500
P-12227	1.890	2100	2800	1200	1600	1500	1500
P-15249	0.875	3100	3300	1600	2200	2000	2200

Säleikkölistojen maksimi toimitus/käyttöpituus 6600 mm.

* Maksimi säleen jänneväli 1-aukkoiset rakenteet (rakennemalli, jossa säle tuetaan/kiinnitetään päistään kahdesta pisteestä).
-> säleiden maksimi jänneväli taulukon mukaan.

* Maksimi säleen jänneväli 2-aukkoiset rakenteet (rakennemalli, jossa säle tuetaan/kiinnitetään päistään kahdesta pisteestä sekä kolmannesta pisteestä säleen keskeltä).

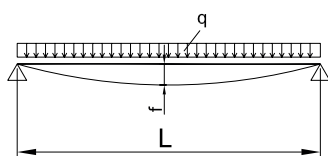
-> säleiden maksimijänneväli taulukosta (kun maksimi jänneväli 3300 mm, rajoitteena max. profilimitta L/2.)

The maximum use of length/ delivery lenght for louvre blades is 6600 mm.

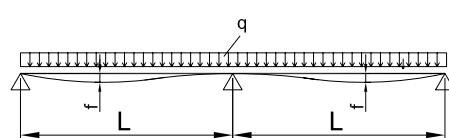
* 1-span-beams, louvre blades maximum span dimension from table

* 2-span-beams, louvre blades maximum span dimension from table (max. span 3300 mm caused by max profile lenght L/2.)

1-aukkoinen päistä tuettu rakenne.
1-span beam.



2-aukkoinen päistä ja keskeltä tuettu rakenne.
2-span beam.



SUURIMMAT SUOSITELTAVAT JÄNNEVÄLIT RECOMMENDED MAXIMUM SPAN OF LOUVRE BLADES

Säleikkölistat kuormitettuna heikoimpaan suuntaan. Kiinnitykset tarkastettava erikseen.

Lämpöliikkeet otettava huomioon kiinnityksissä.

Alumiinin lämpöpiteneiskeroin on $24 \cdot 10^{-6}/^{\circ}\text{C}$. Esim. lämpötilamuutoksen ollessa 70°C , säleen jonka pituus on 2000mm pituus muuttuu 3.4 mm

Louvre blades are loaded at the weakest orientation. Mountin must be verified separately.

Thermal movement must be taken into account when mounting.

The thermal expansion coefficient of aluminium is $24 \cdot 10^{-6}/^{\circ}\text{C}$. A temperature change of 70°C degrees, for instance, changes the length of a 2000 mm louvre by 3,4 mm.

Profile	kg/m	Kuormitus q Load q					
		Omapaino Dead weight		Omapaino + Tuuli 0.6 kN/m ² Dead weight + Wind 0.6 kN/m ²		Omapaino + Tuuli 0.6 kN/m ² + Jää 0.45 kN/m ² Dead weight + Wind 0.6 kN/m ² + Ice 0.45 kN/m ²	
		$f_{\text{sall}}: L/500$		$f_{\text{sall}}: L/300$		$f_{\text{sall}}: L/100$	
		L_{max} (mm)		L_{max} (mm)		L_{max} (mm)	
		1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam	1-aukkoinen 1-span-beam	2-aukkoinen 2-span-beam
P-2607	1.960	3600	3300	2300	3100	2800	3300
P-4686	0.567	2000	2700	1200	1200	1000	1000
P-5025	0.230	1400	2000	800	1200	1000	1400
P-5918	0.913	1800	2400	1100	1500	1400	1900
P-8249	0.362	1300	1700	800	1000	900	1300
P-11661	0.653	2800	3300	1700	2300	2100	2600
P-12073	2.503	3600	3300	2400	3200	2900	3300
P-12079	0.564	1600	2200	900	1200	1100	1500
P-12855	0.853	2000	2700	1300	1800	1600	2200
P-15042	0.891	1800	2500	1100	1500	1300	1800
P-15151	0.575	1800	2400	1000	1400	1200	1700
P-15526	4.228	4800	3300	3200	3300	4000	3300
P-15249	0.875	3100	3300	1600	2200	2000	2200
P-15275	6.099	6600	3300	4900	3300	6100	3300
P-15965	1.634	2900	3300	1800	2500	2300	3000
P-16315	5.805	4500	3300	3300	3300	4100	3300
P-17143	2.638	3000	3300	2000	2600	2400	3300
P-18818	2.70	3500	3300	2300	3200	2900	3300
P-18289	0.23	1100	1500	500	700	700	900
P-19031	5.997	5700	3300	4500	3300	5700	3300
P-19574	2.651	4800	3300	3300	3300	4100	3300
P-21083	4.749	3000	3300	2100	2800	2600	3300
P-22071	2.319	4100	3300	2600	3300	3200	3300

Säleikkölistojen maksimi toimitus/käyttöpituus 6600 mm.

* Maksimi säleen jänneväli 1-aukkoiset rakenteet (rakennemalli, jossa säle tuetaan/kiinnitetään päistään kahdesta pisteestä).
-> säleiden maksimi jänneväli taulukon mukaan.

* Maksimi säleen jänneväli 2-aukkoiset rakenteet (rakennemalli, jossa säle tuetaan/kiinnitetään päistään kahdesta pisteestä sekä kolmannesta pisteestä säleen keskeltä).

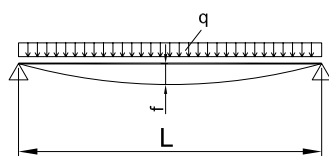
-> säleiden maksimijänneväli taulukosta (kun maksimi jänneväli 3300 mm, rajoitteena max. profilimitta L/2.)

The maximum use of length/ delivery lenght for louvre blades is 6600 mm.

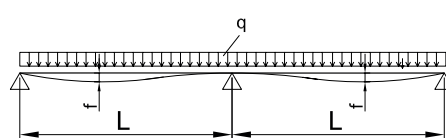
* 1-span-beams, louvre blades maximum span dimension from table

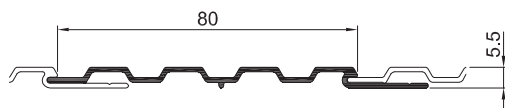
* 2-span-beams, louvre blades maximum span dimension from table (max. span 3300 mm caused by max profile lenght L/2.)

1-aukkoinen päistä tuettu rakenne.
1-span beam.

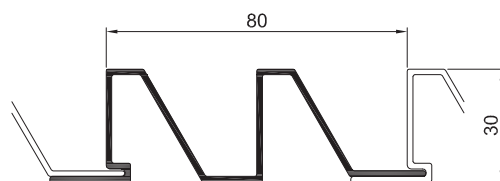


2-aukkoinen päistä ja keskeltä tuettu rakenne.
2-span beam.

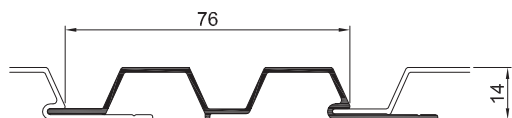




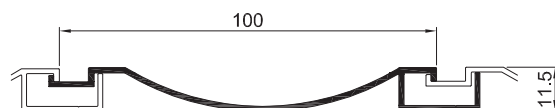
P-11666



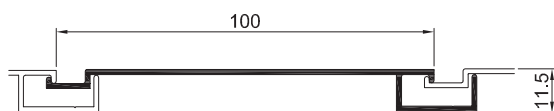
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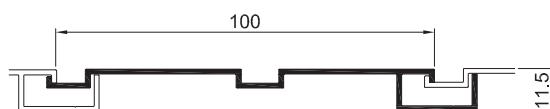
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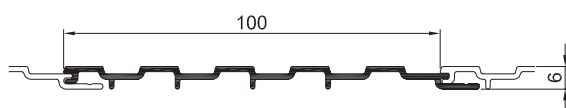
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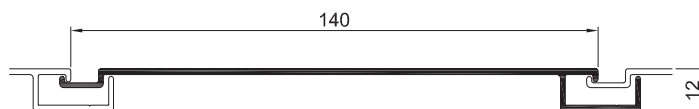
P-409



P-1872

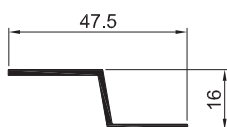


P-20567



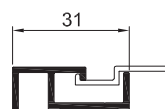
P-12078

Väli­lista
Intermediate strip



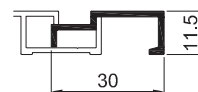
P-420

Aloitus­lista
Starting strip



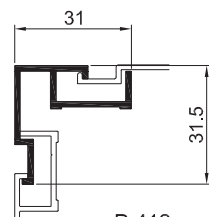
P-410

Päätös­lista
Ending strip



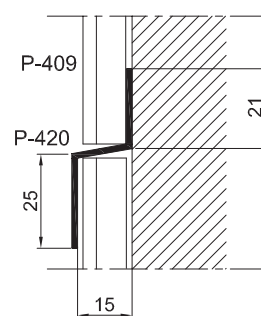
P-411

Ulkokulma
Outer angle



P-412

Pysty­jat­kos
Vertical extensions

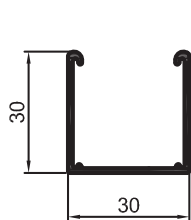
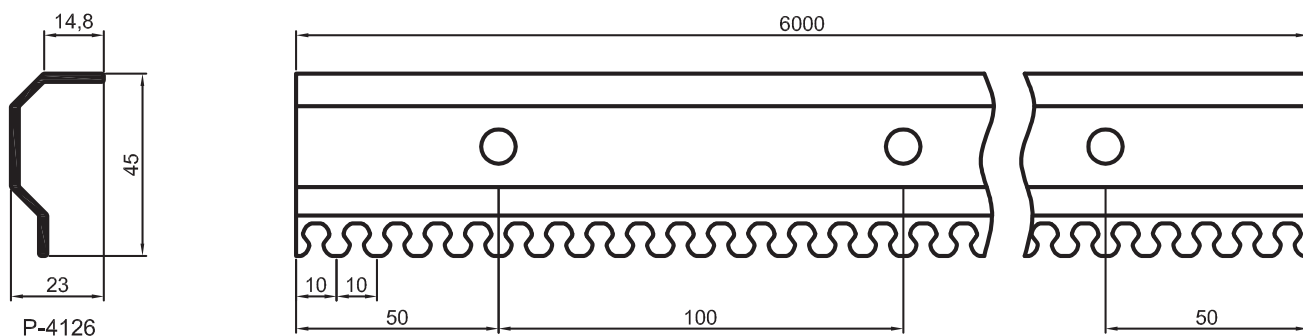


ALLINE on alumiiniprofileista koottu sisäkattojärjestelmä. ALLINESSA yhdistyvät muodon täsmällisyys, korkea laatu ja monipuoliset pintakäsittelymahdollisuudet anodisoinnista pulverimaalaukseen. ALLINE on edustava ja kovat vaatimukset täyttävä sisäkatto. Muoto ja väri säilyvät kovissakin olosuhteissa. ALLINE -sisäkattojärjestelmän etuna on joustava muotojen ja nittojen valintamahdollisuus. Järjestelmän puitteissa arkkitehti voi suunnitella täysin yksilöllisen sälemuodon kohteen omaleimaisuutta korostamaan. ALLINE-kannatuskiskot ripustetaan kannatuslankojen varaan. Kiskojen korkeussäätö on portaaton. Säleät painetaan halutuin välein kiskoihin.

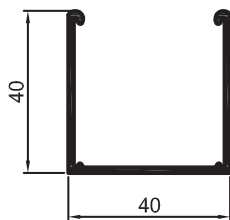
Aline system gives individual look for indoor ceilings.

System can be designed and modified according to customer needs and it's easy to install.

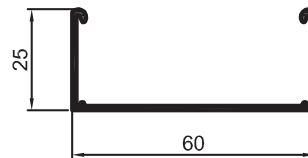
Surface treatment: anodizing, powder coating.



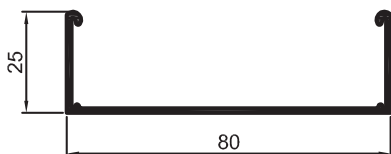
P-18384



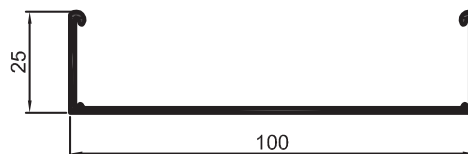
P-5283



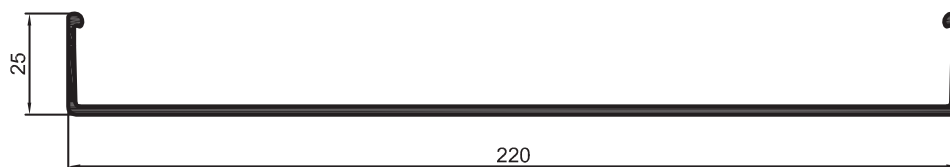
P-4102



P-4103



P-4104



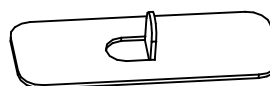
P-10707

Jatkopala 25 mm korkeille profileille
Joint piece for 25 mm high profiles



JATKO1

Jatkopala 30 mm korkeille profileille
Joint piece for 30 mm high profiles



JATKO3

TEKNISIÄ TIETOJA

Profilit

- alumiiniseos yleensä EN-AW 6063 T5

$$R_{p0,2} \text{ min} = 130 \text{ N/mm}^2$$

$$R_m \text{ min} = 175 \text{ N/mm}^2$$

$$E = 70000 \text{ N/mm}^2$$

- alumiinirakenteiden suunnittelussa on otettava huomioon lämpötilan muutoksista aiheutuvat siirtymät
- alumiinin lämpölaajenemiskerroin on $24 \times 10^{-6}/K$
- profiilien muototoleranssit EN 755-9 tai EN 12020-2 mukaan
- seos soveltuu erinomaisesti anodisoitavaksi
- toimituspituus on normaalisti 6,6 m, muut mitat erikoistilauksesta

Profiilien pintakäsittely

Anodisointi

Anodisointi on sähkökemiallinen menetelmä, jolla kasvatetaan alumiinin luonnollisen oksidikerroksen paksuutta. Anodisointi muodostaa kovan, mekaanista kulutusta kestävänn pinnan, jolla on erinomainen säänkesto.

Jauhemaalaus

Jauhemaalauksessa profiilin pintaan ruiskutetaan pulveri, joka sulatetaan uunissa kestäväksi ja tasaiseksi pinnaksi. Ennen maalausta profileille tehdään esikäsittely, jolla varmistetaan maalin pysyvyys. Normaalisti käytetään RAL-värikartan sävyjä, mutta muutkin sävyt ovat mahdollisia.

TECHNICAL INFORMATION

Profiles

- Aluminium alloy usually EN-AW 6063 T5

$$R_{p0,2} \text{ min} = 130 \text{ N/mm}^2$$

$$R_m \text{ min} = 175 \text{ N/mm}^2$$

$$E = 70000 \text{ N/mm}^2$$

- Thermal transitions caused by changes in temperature must be taken into account in the design
- Thermal expansion coefficient of aluminium is $24 \times 10^{-6}/K$
- Shape tolerances of profiles according to EN 755-9 or EN 12020-2
- Alloy is well suited for anodizing
- Delivery length of profiles normally 6,6m, other lengths available on request

Surface treatment

Anodizing

Anodizing is an electrochemical method for increasing the thickness of the natural oxide layer of aluminium. Anodizing forms a hard, mechanical wear-resistant surface with excellent weather resistance.

Powder Coating

In powder coating the powder is injected into the surface of the profiles, which then is melted in a furnace into a durable and smooth surface. Before painting, the profiles are pre-processed, in order to ensure the endurance of the coating. Normally profiles are painted with RAL color shades, but other colors are also possible.



Valmistus, myynti ja tekninen neuvonta

Manufacturing, sales and technical information

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