

# LUNA 71 PLUS

## PROFİL KATALOĞU
## PROFILE CATALOG

ERSAŞ PEN

# İçindekiler
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## ERSAŞ PEN HAKKINDA

Ersaş Pen, yaşam alanlarını sadece koruyan değil, onları daha konforlu, estetik ve sürdürülebilir kılan çözümler üretir.

Her profilde, yalnızca PVC değil; akıl, mühendislik ve yılların tecrübesi vardır. Çünkü bizce bir pencere, sadece dış dünyayla bağlantı değil, aynı zamanda yaşam kalitesinin sınırıdır.

Ersaş Pen sistemleri, insana ve doğaya saygılı üretim anlayışıyla, kurşunsuz ve geri dönüştürülebilir malzemelerden üretilir.

Sürdürülebilirlik, bizim için bir hedef değil, üretimin temelidir.

Bu anlayışla, çevreyle uyumlu ve enerji verimliliği yüksek sistemler geliştirir; geleceği bugünden koruruz.

Ersaş Pen, güvenin, estetiğin ve dayanıklılığın ortak adıdır.
Hayatın her alanında konforu akılla buluşturan bir tercih.





## ABOUT ERSAŞ PEN

Ersaş Pen develops solutions that not only protect living spaces but also make them more comfortable, aesthetic, and sustainable.

Behind every profile lies not only PVC, but also intelligence, engineering precision, and years of expertise.

Because for us, a window is more than just a connection to the outside world; it defines the boundaries of living quality.

Produced with respect for people and nature, Ersaş Pen systems are manufactured from lead-free, fully recyclable PVC compounds in line with European environmental standards.

For us, sustainability is not a goal, it is the foundation of production itself. With this approach, we design eco-friendly, energy-efficient window and door systems that help protect the future today.

Ersaş Pen stands for trust, aesthetics, and durability, a smart choice that unites comfort and intelligence in every aspect of life.



## SESSİZ, SICAK VE GÜVENLİ BİR YAŞAM ALANI

Ersaş Pen'in geliştirdiği Luna 71 Plus, modern tasarımı ve güçlü teknik yapısıyla konfor, güven ve estetiği bir araya getirir.

A sınıfı 5 odacıklı profilleri yüksek mukavemet ve yalıtım performansı sunarken, özel orta kayıt tasarımı ısı verimliliğini artırır. İki kademeli sızdırmazlık sistemi, dış etkenlere karşı tam koruma sağlar.

Sessiz, dayanıklı ve zarif yapısıyla Luna 71 Plus, her mevsim konforu hissettirir.

## ENGINEERED FOR GREATER EFFICIENCY AND COMFORT

Developed by Ersaş Pen, Luna 71 Plus combines comfort, safety, and aesthetics with its modern design and robust technical structure.

Its Class A 5-chamber profiles offer high strength and insulation performance, while the special center seal design increases thermal efficiency.
The two-stage sealing system provides complete protection against external factors.

With its quiet, durable, and elegant construction, Luna 71 Plus provides comfort in every season.





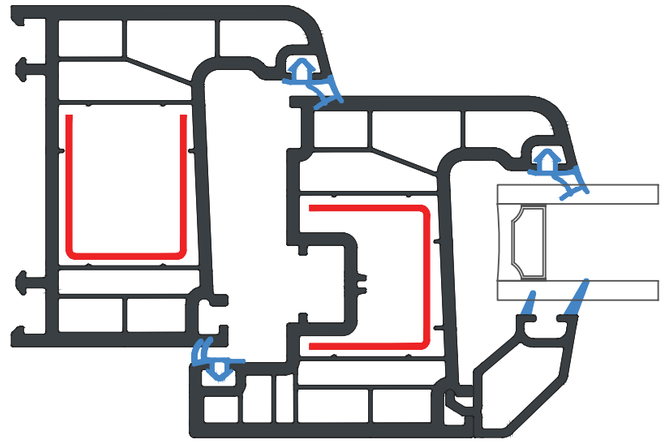
Ersaş Pen premium ürünleri üstün ısı yalıtımı sayesinde yazın serin, kışın sıcak bir ortam sunar. Güçlendirilmiş kanat yapısı ve kaliteli malzemesi ile uzun ömürlü ve güvenli kullanım sağlar. Minimal ve modern tasarımıyla evinize estetik bir dokunuş katar.

Ersaş Pen premium products provide a cool environment in summer and a warm environment in winter thanks to their superior thermal insulation. With their reinforced wing structure and high-quality materials, they ensure long-lasting and safe use. Their minimalist and modern design adds an aesthetic touch to your home.



# LUNA 71 PLUS

Kapı ve Pencere Sistemleri



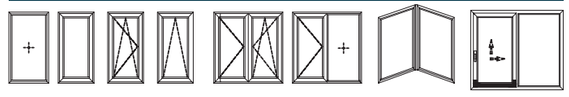
| TEKNİK ÖZELLİKLER | |
|---|---|
| Profil genişliği | 71 mm |
| Et kalınlığı | A sınıfı |
| Odacık sayısı | 5 odacıklı sistem |
| Isı iletim katsayısı Uf | 1,31 W/m²K |
| Cam kalınlıkları | 4-20-24-30 mm |
| Conta tipi / rengi | TPE siyah / gri |

| PERFORMANS ÖZELLİKLERİ | |
|---|---|
| TS EN 12207 Hava geçirgenliği | Sınıf 4 |
| TS EN 12208 Su sızdırmazlığı | Sınıf E 750 |
| TS EN 12210 Rüzgar yükü dayanımı | Sınıf C5 |

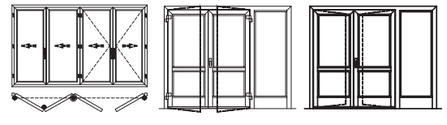
| TECHNICAL PROPERTIES | |
|---|---|
| Profil width | 71 mm |
| Wall thickness | A class |
| Number of chambers | 5 chambers system |
| UF value | 1,31 W/m²K |
| Glass  thickness | 4-20-24-30 mm |
| Gasket model / color | TPE black / grey |

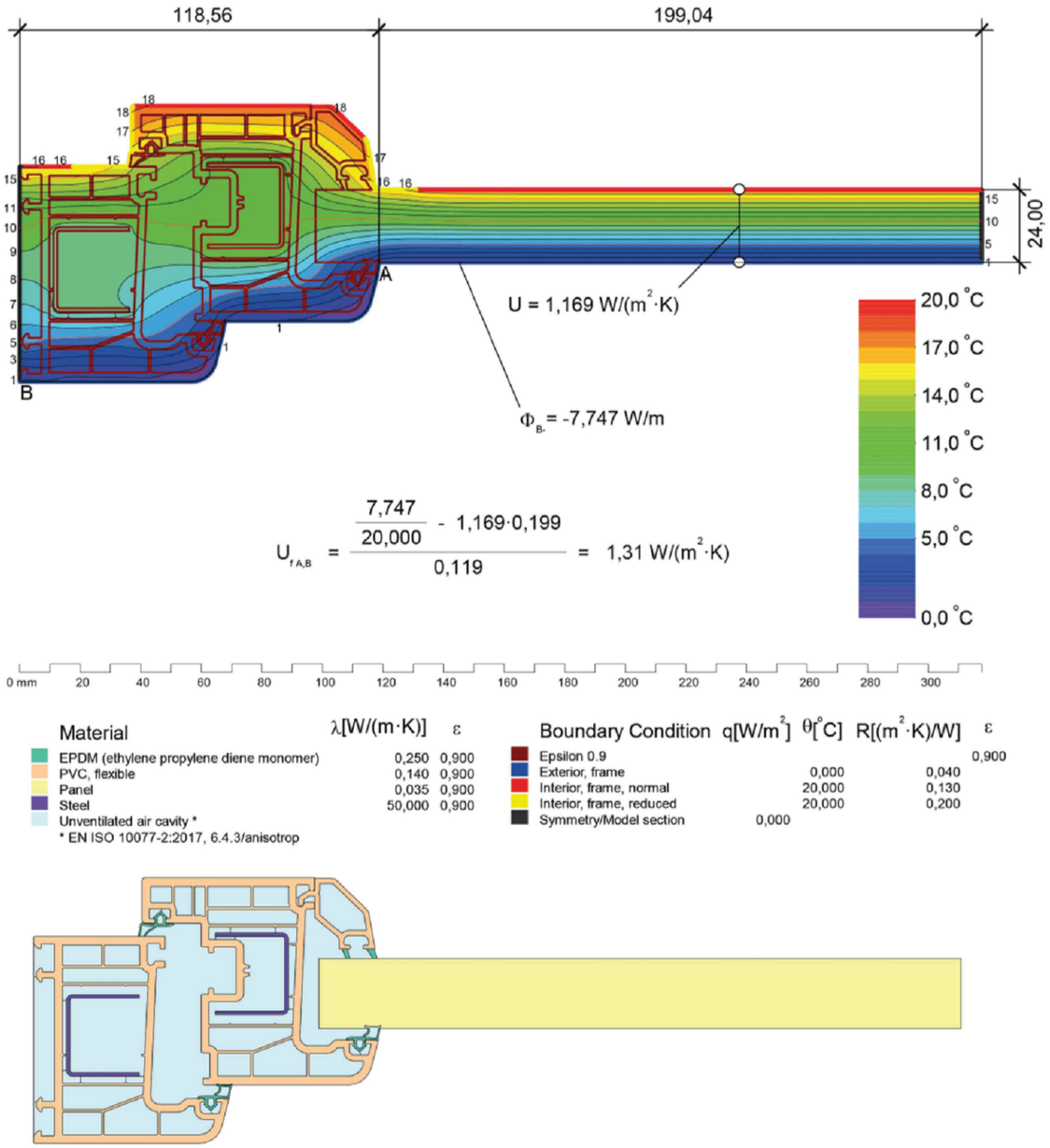
| PERFORMANCE PROPERTIES | |
|---|---|
| TS EN 12207 Air Permability | Class 4 |
| TS EN 12208 Water tightness | Class E 750 |
| TS EN 12210 Resistance to wind load | Class C5 |

## TİPOLOJİLER / TYPOLOGIES



## KAPILAR / DOORS





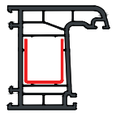
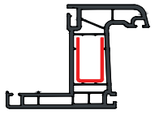
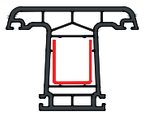
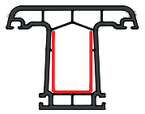
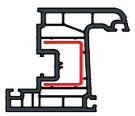
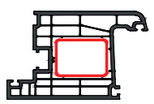
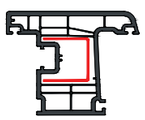
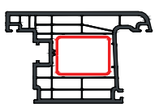

$$U_{f\,A,B} = \frac{\frac{7,747}{20,000} - 1,169 \cdot 0,199}{0,119} = 1,31\ W/(m^2 \cdot K)$$

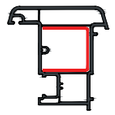
| Material | λ[W/(m·K)] | ε |
|---|---|---|
| EPDM (ethylene propylene diene monomer) | 0,250 | 0,900 |
| PVC, flexible | 0,140 | 0,900 |
| Panel | 0,035 | 0,900 |
| Steel | 50,000 | 0,900 |
| Unventilated air cavity * | | |

* EN ISO 10077-2:2017, 6.4.3/anisotrop

| Boundary Condition | q[W/m²] | θ[°C] | R[(m²·K)/W] | ε |
|---|---|---|---|---|
| Epsilon 0.9 | | | | 0,900 |
| Exterior, frame | | 0,000 | 0,040 | |
| Interior, frame, normal | | 20,000 | 0,130 | |
| Interior, frame, reduced | | 20,000 | 0,200 | |
| Symmetry/Model section | 0,000 | | | |

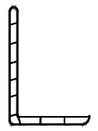
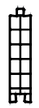
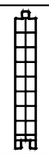
# PROFİLLER
PROFILES

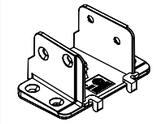
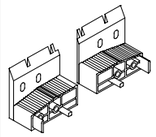
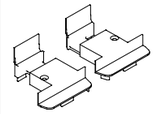
| Profil Num. Profile No. | Çizim Drawing | Tanım Descpirtion |
|---|---|---|
| **CP-110** |  | **Kasa Profili** *Frame Profile* |
| **CP-120** |  | **Pervazlı Kasa Profili** *Frame Profile with Architrave* |
| **CP-210** |  | **Orta Kayıt Profili** *Mullion Profile* |
| **CP-211** |  | **Statik Orta Kayıt Profili** *Static Mullion Profile* |
| **CP-310** |  | **Kanat Profili** *Sash Profile* |
| **CP-350** |  | **Damlalıklı Kanat Profili** *Window Sash Profile with Drip* |
| **CP-320** |  | **Kapı Profili** *Door Profile* |
| **CP-330** |  | **Dışa Açılır Kanat Profili** *Outward Opening Sash Profile* |
| **CP-340** |  | **Dışa Açılır Kapı Profili** *Outward Opening Door Profile* |

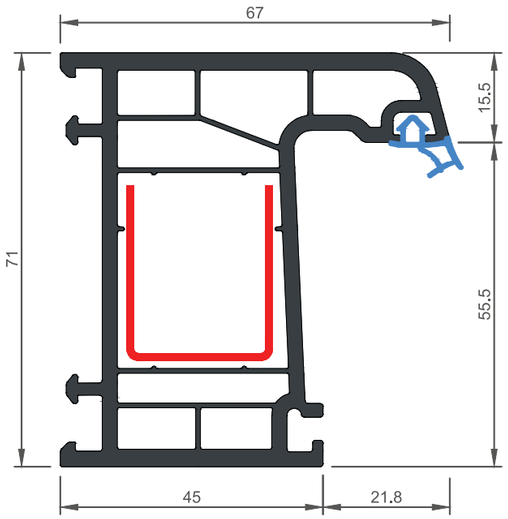
| Profil Num. Profile No. | Çizim Drawing | Tanım Descpirtion |
|---|---|---|
| **AP-220** |  | **Hareketli Orta Kayıt Profili** *Movable Mullion Profile* |
| **AP-515** |  | **30mm Cama Göre Çıta** *Glazing With 30mm Gap* |
| **AP-523** |  | **24mm Cama Göre Çıta** *Glazing With 24mm Gap* |
| **AP-526** |  | **20mm Cama Göre Çıta** *Glazing With 20mm Gap* |
| **AP-542** |  | **4mm Cama Göre Çıta** *Glazing With 4mm Gap* |
| **AP-440** |  | **Kasa Yükseltme Profili** *Frame Lifting Profile* |
| **AP-421** |  | **90 Derece Köşe Dönüş Profili** *90 Degree Corner Turn Adapter* |
| **AP-422** |  | **60'lık Boru Profili** *60' Pipe Profile* |
| **AP-423** |  | **Köşe Dönüş Adaptörü** *Corner Turn Adapter* |



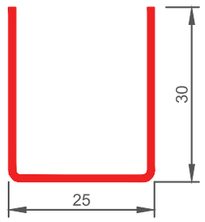


| Profil Num. Profile No. | Çizim Drawing | Tanım Descpirtion |
|---|---|---|
| **AP-431** |  | **İnce Bağ Profili** *Thin Bond Profile* |
| **AP-416** |  | **Motifli Pervaz Profili** *Ornamented Architrave Profile* |
| **AP-411** |  | **Pervaz Profili** *Architrave Profile* |
| **AP-461** |  | **100'lük 24mm Lambiri** *100' 24mm Panel* |
| **AP-462** |  | **150'lük 24mm Lambiri** *150' 24mm Panel* |
| **AP-470** |  | **Eşik Profili** *Threshold Profile* |
| **AP-460** |  | **Eşik Kapama Profili** *Threshold Closing Profile* |
| | | |
| | | |

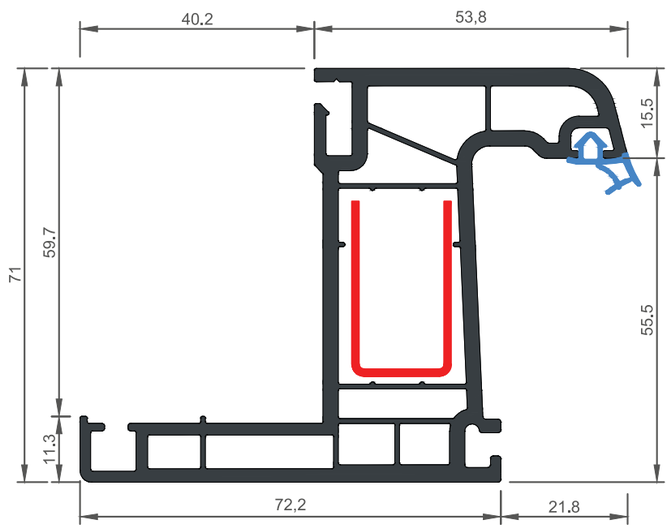
| Profil Num. Profile No. | Çizim Drawing | Tanım Descpirtion |
|---|---|---|
| **YR-0501002** |  | **Orta Kayıt Bağlantı Takozu** *Mullion Connector Block* |
| **YR-0403103** |  | **Eşik Yan Kapakları** *Threshold Side Covers* |
| **YR-0402002** |  | **Hareketli Orta Kayıt Adaptör Kapakları** *Movable Mullion Adapter Covers* |
| | | |
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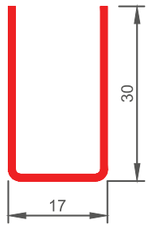

## CP-110
**Kasa Profili**
*Frame Profile*




**TM-0401019**
**Destek Sacı**
*Reinforcement Steel*



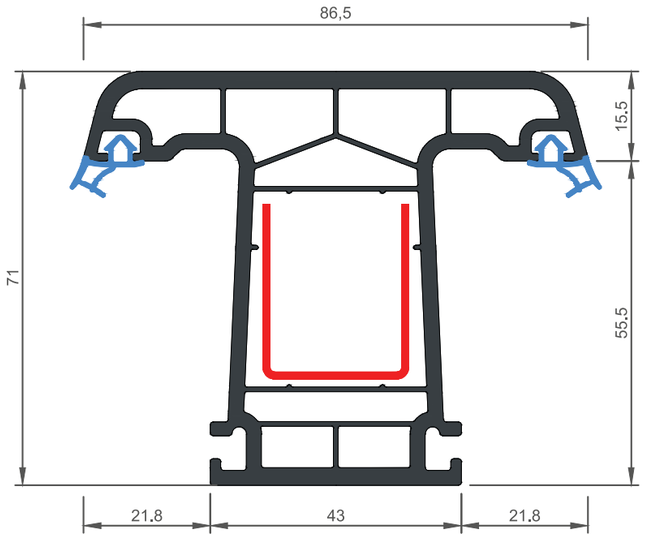

## CP-120
**Pervazlı Kasa Profili**
*Frame Profile with Architrave*



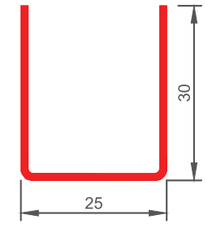

**TM-0401020**
**Destek Sacı**
*Reinforcement Steel*



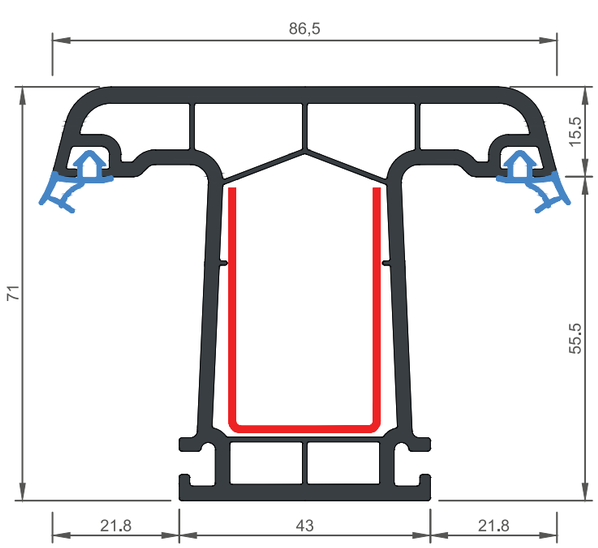




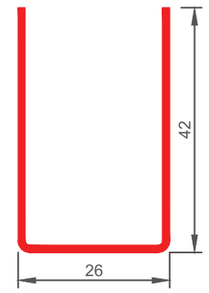

## CP-210
**Orta Kayıt Profili**
*Mullion Profile*



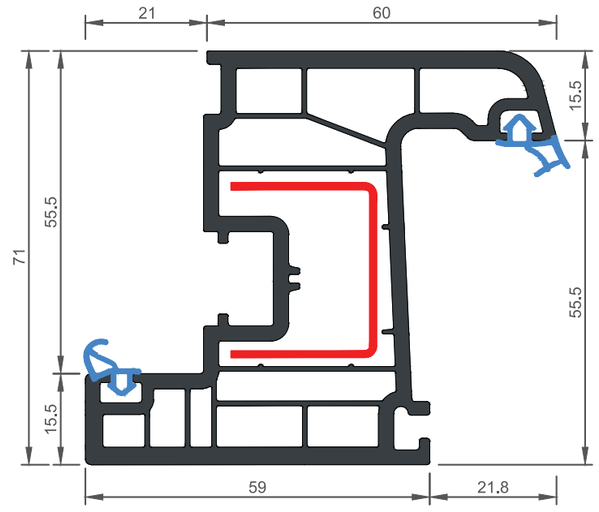

**TM-0401019**
**Destek Sacı**
*Reinforcement Steel*




## CP-211
**Statik Orta Kayıt Profili**
*Static Mullion Profile*



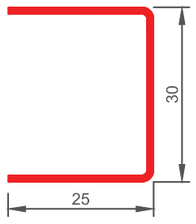

**TM-0401025**
**Destek Sacı**
*Reinforcement Steel*




## CP-310

**Kanat Profili**

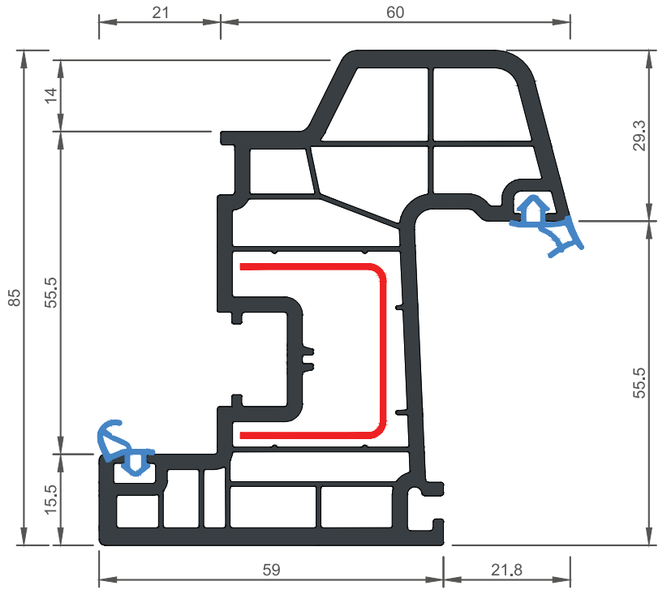
*Sash Profile*




**TM-0401021**

**Destek Sacı**

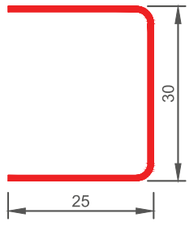
*Reinforcement Steel*




## CP-350

**Damlalıklı Kanat Profili**

*Window Sash Profile with Drip*



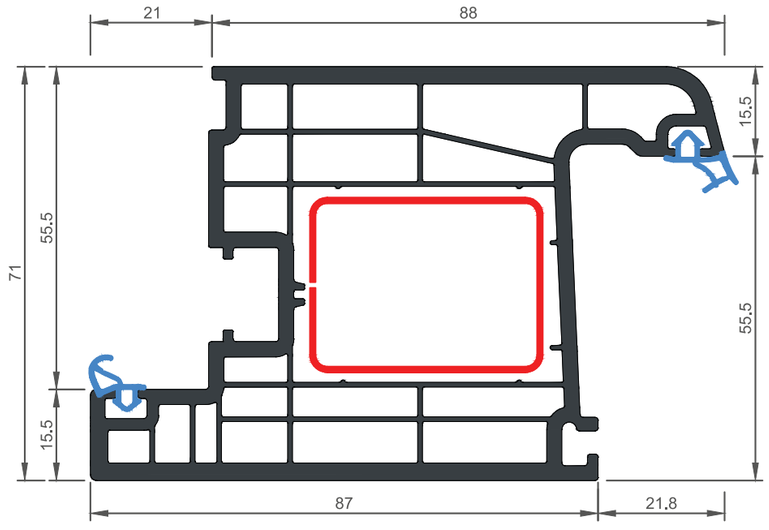

**TM-0401021**

**Destek Sacı**

*Reinforcement Steel*



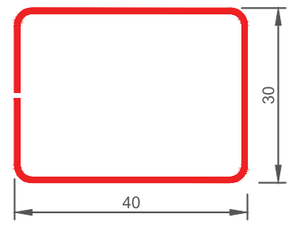





## CP-320

**Kapı Profili**

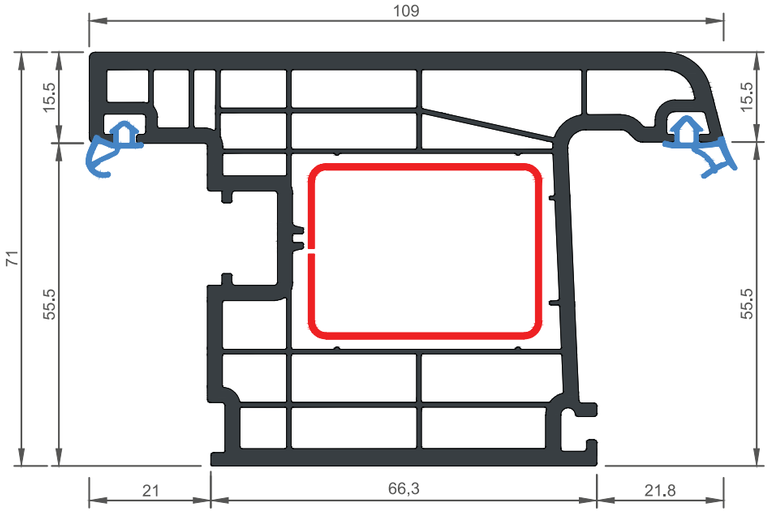
*Door Profile*




**TM-0402032**

**Destek Sacı**

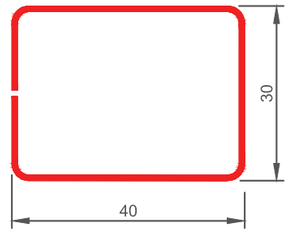
*Reinforcement Steel*




## CP-340

**Dışa Açılır Kapı Profili**

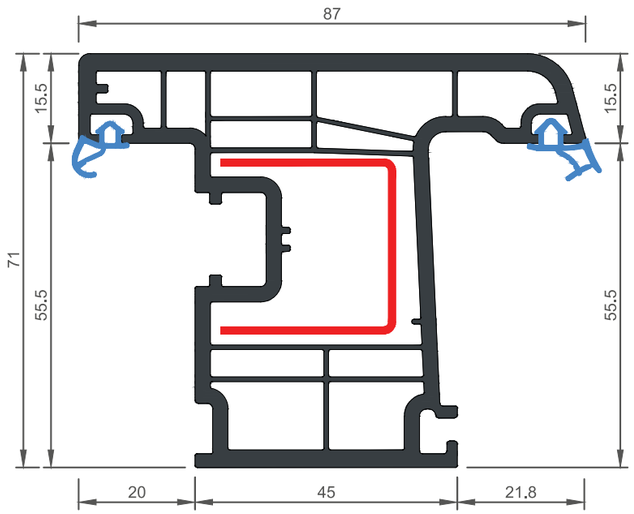
*Outward Opening Door Profile*



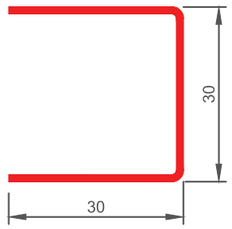

**TM-0402032**

**Destek Sacı**

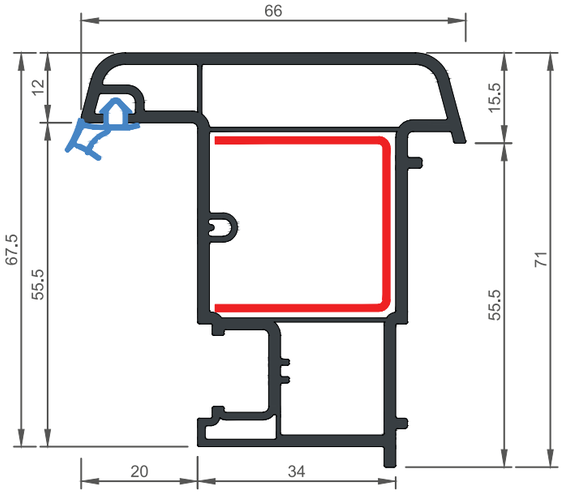
*Reinforcement Steel*



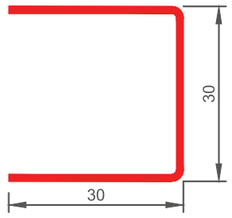

## CP-330
**Dışa Açılır Kanat Profili**
*Outward Opening Sash Profile*




**TM-0401022**
**Destek Sacı**
*Reinforcement Steel*



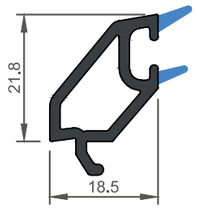

## AP-220
**Hareketli Orta Kayıt Profili**
*Movable Mullion Profile*



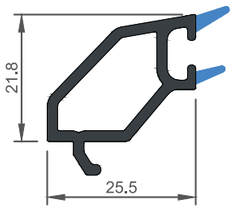

**TM-0401022**
**Destek Sacı**
*Reinforcement Steel*



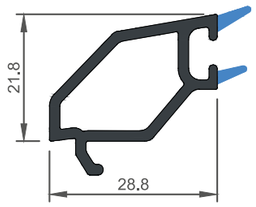




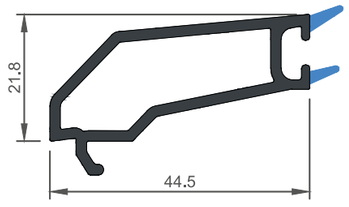

## AP-515
**30mm Cama Göre Çıta**
*Glazing With 30mm Gap*



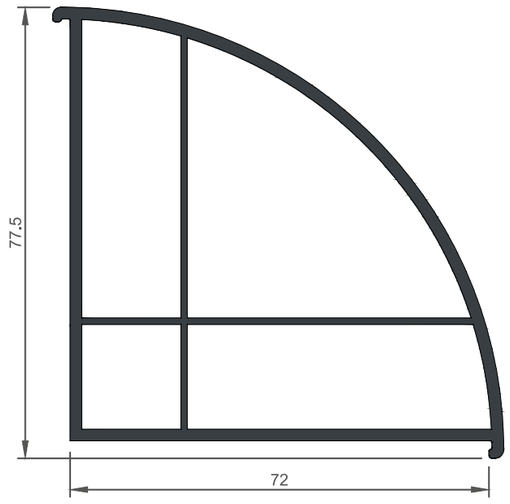

## AP-523
**24mm Cama Göre Çıta**
*Glazing With 24mm Gap*




## AP-526
**20mm Cama Göre Çıta**
*Glazing With 20mm Gap*




## AP-542
**4mm Cama Göre Çıta**
*Glazing With 4mm Gap*



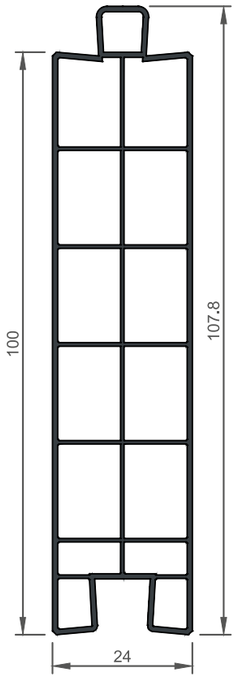

## AP-421
**90 Derece Köşe Dönüş Profili**
*90 Degree Corner Turn Adapter*



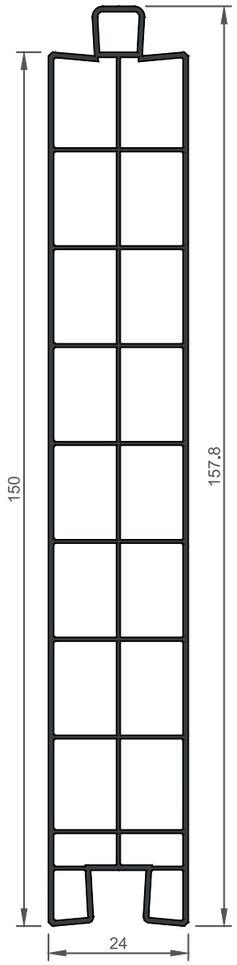

## AP-440
**Kasa Yükseltme Profili**
*Frame Lifting Profile*



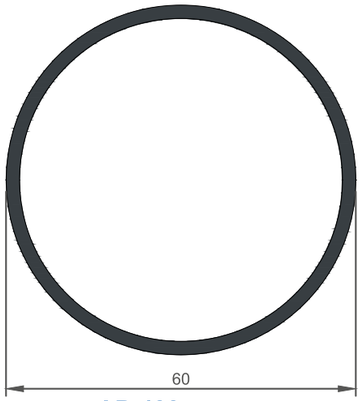

**TM-0402035**
**Destek Sacı**
*Reinforcement Steel*



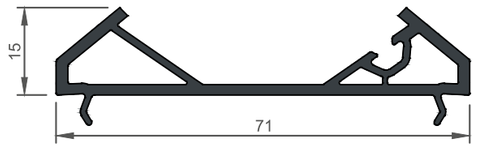

## AP-461
**100'lük Lambiri**
*100' Panel*



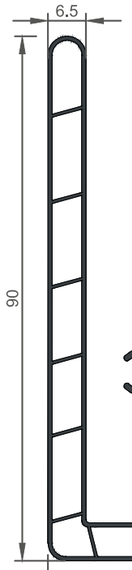

## AP-462
**150'lük Lambiri**
*150' Panel*



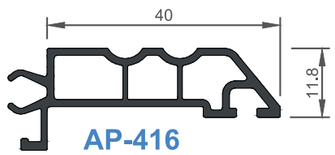

## AP-422
**60'lık Boru Profili**
*60' Pipe Profile*



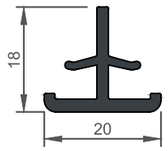

## AP-423
**Köşe Dönüş Adaptörü**
*Corner Turn Adapter*



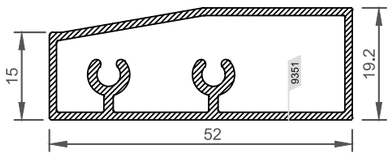

## AP-411
**Pervaz Profili**
*Architrave Profile*



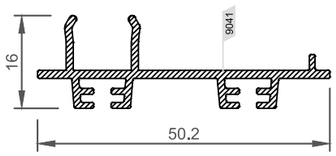

## AP-416
**Motifli Pervaz Profili**
*Ornamented Architrave Profile*




## AP-431
**İnce Bağ Profili**
*Thin Bond Profile*



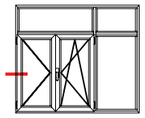

## AP-470
**Eşik Profili**
*Threshold Profile*

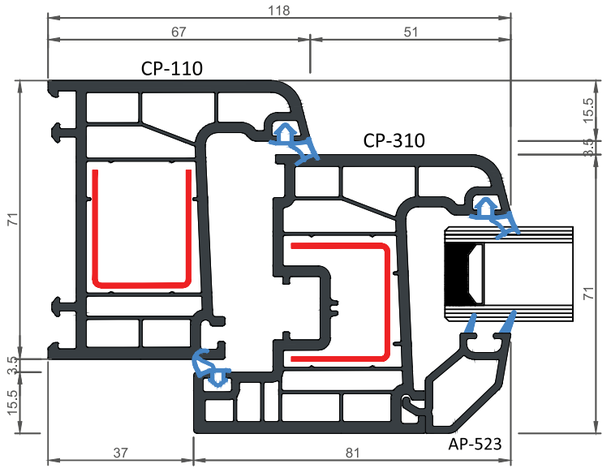


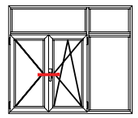

## AP-460
**Eşik Kapama Profili**
*Threshold Closing Profile*

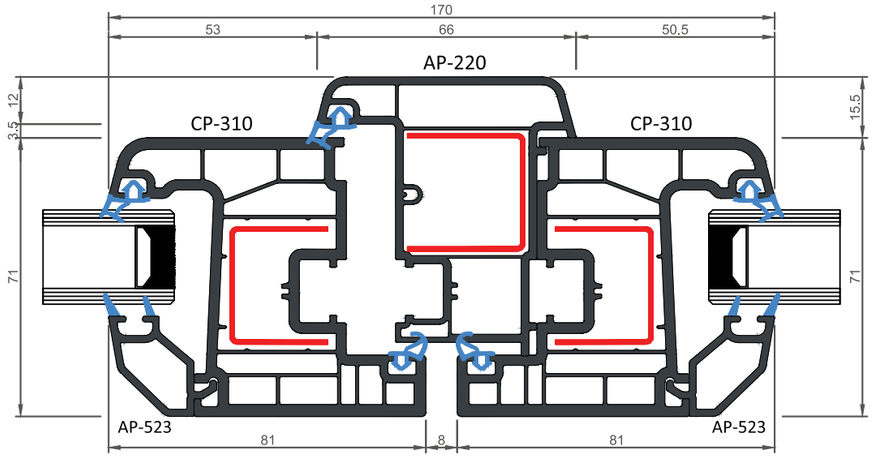


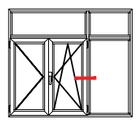
# **DETAYLAR**
# DETAILS

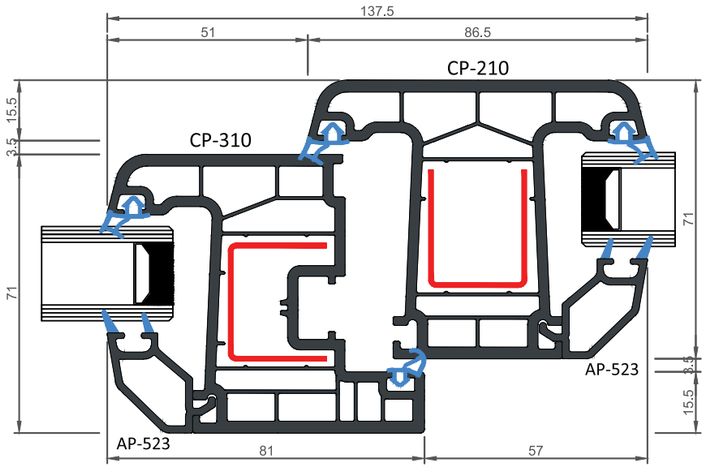




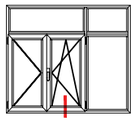


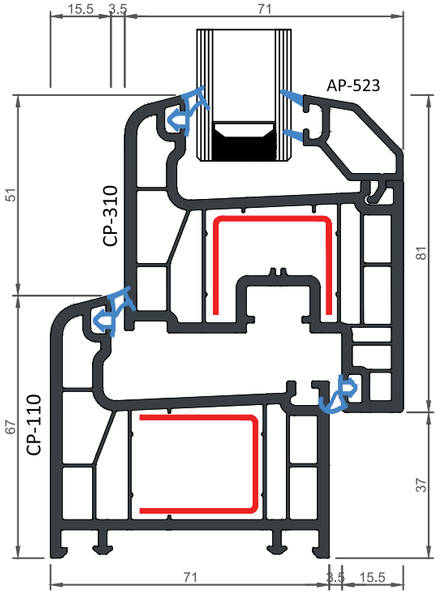



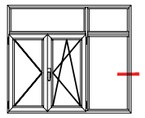


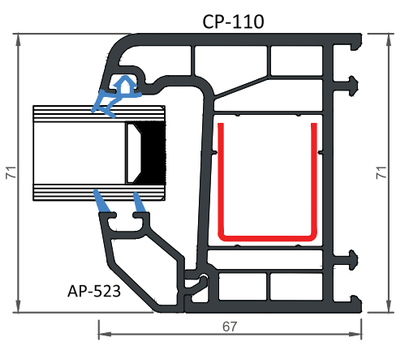


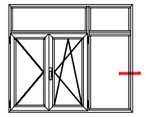


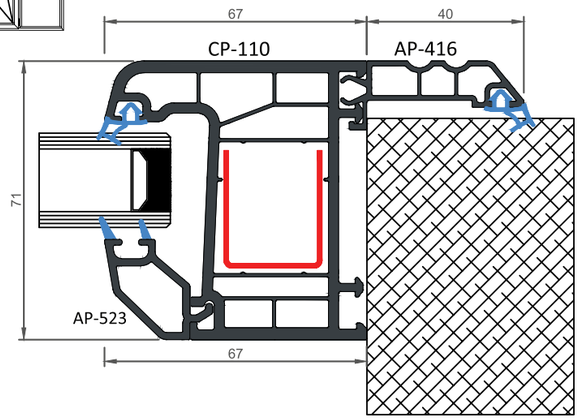



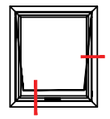


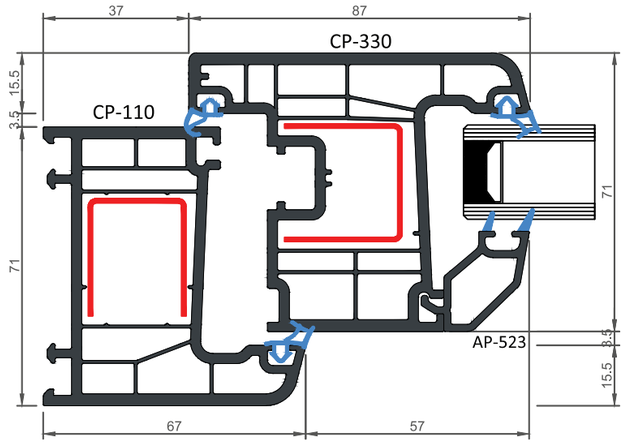


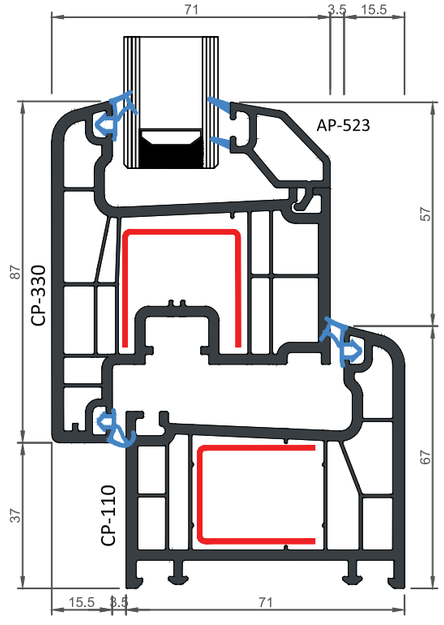



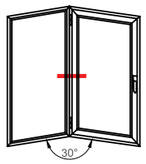


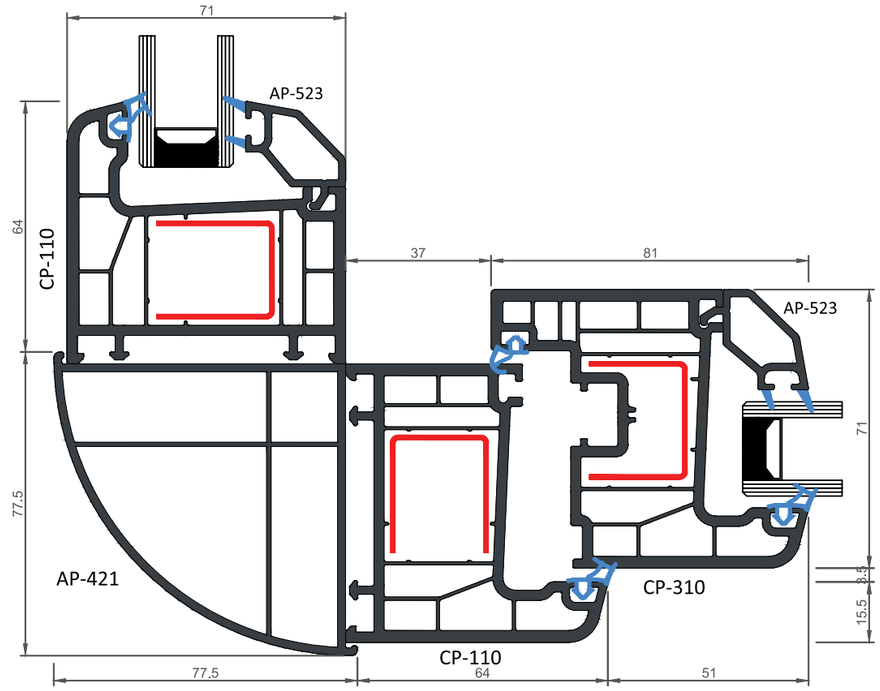



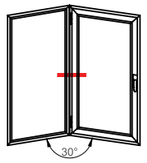
DIŞA AÇILIR TEK PENCERE DETAYLARI
OUTWARD OPENING SINGLE WINDOW DETAILS

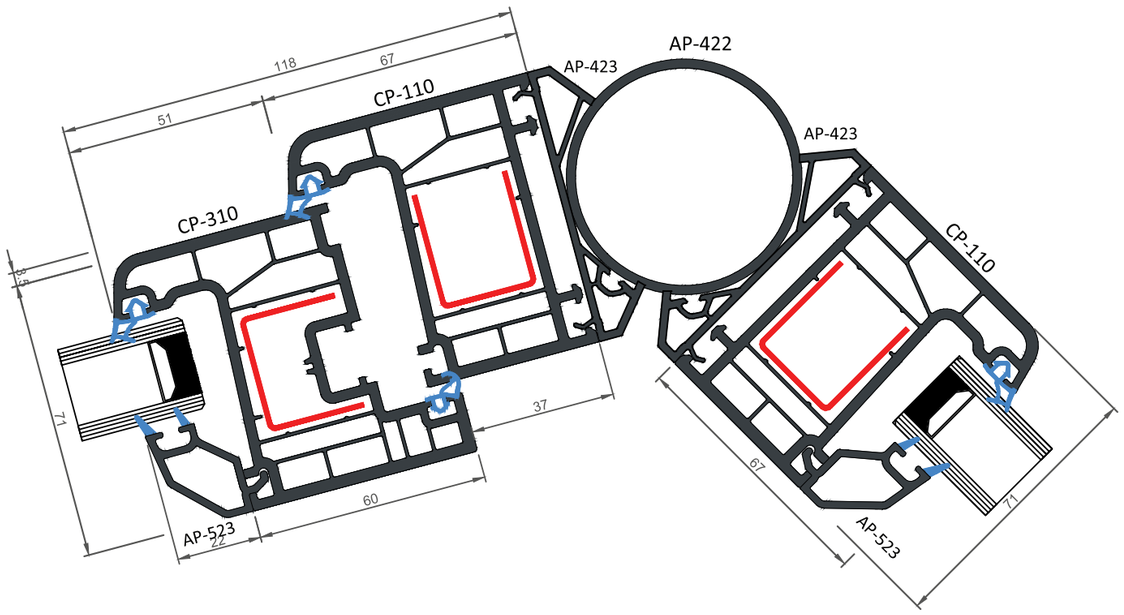




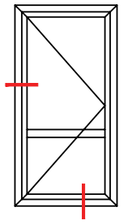



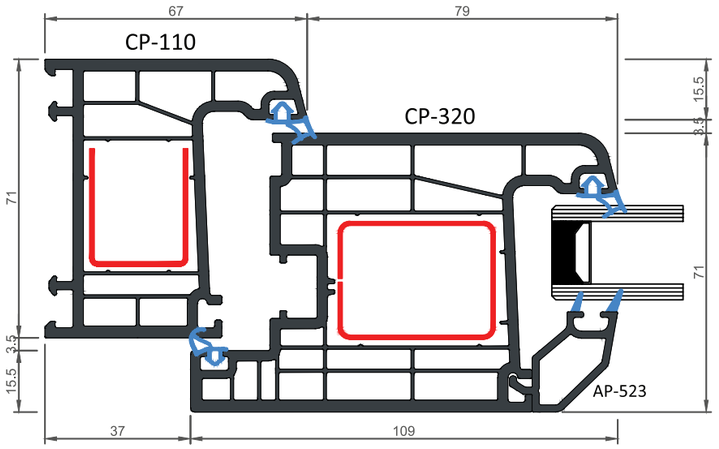



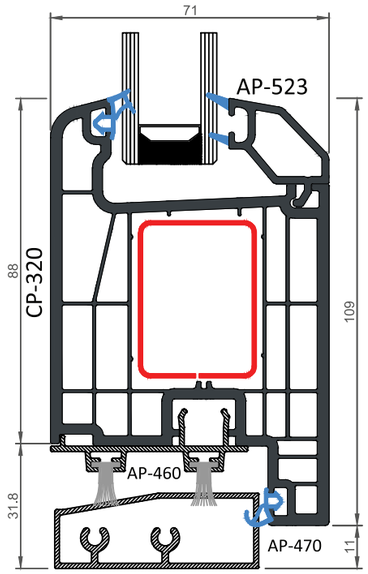


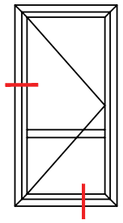


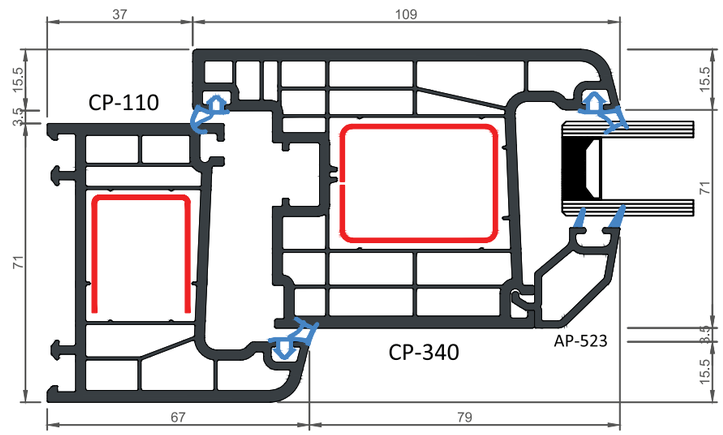
**İÇE AÇILIR KAPI DETAYLARI**
INWARD OPENING DOOR DETAILS

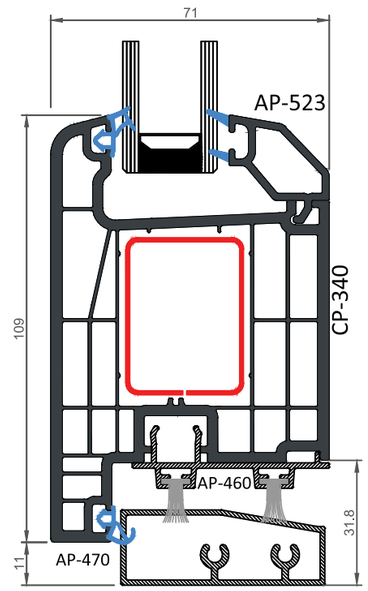


**DIŞA AÇILIR KAPI DETAYLARI**
OUTWARD OPENING DOOR DETAILS






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