



**KENAN METAL®**

Alüminyum'un Sanata Dönüşümü

# SOLARIA BİOKLİMATİK SİSTEMLERİ

## SOLARIA BIOCLIMATIC SYSTEMS

*SİZ HAYAL EDİN, BİZ ÜRETELİM!*



**ALÜMİNYUM'UN**

*Sanata*

**DÖNÜŞÜMÜ!**



## BİZ KİMİZ?

Who We Are?

Kenan Metal olarak, 20 yılı aşkın süredir özel şekilli alüminyum ekstrüzyon profillerinin tasarımı, geliştirilmesi ve üretimi alanında faaliyet gösteriyoruz. Tekirdağ Çorlu'daki modern üretim tesislerimizde, müşterilerimizin ihtiyaç ve beklentilerini doğru analiz ederek, en uygun çözümleri sunmayı hedefliyoruz. Sürekli gelişim anlayışıyla, üretim altyapımızı yeni teknolojilerle güçlendiriyor, tesislerimizi güncel standartlara taşıyor ve yüksek üretim kapasitemizle sektöre değer katmaya devam ediyoruz.

*As Kenan Metal, we have been operating in the field of design, development and production of special shaped aluminum extrusion profiles for more than 20 years. In our modern production facilities in Çorlu, Tekirdağ, we aim to offer the most suitable solutions by analyzing the needs and expectations of our customers correctly. With an understanding of continuous development, we strengthen our production infrastructure with new technologies, bring our facilities up to current standards and continue to add value to the sector with our high production capacity.*



# SOLARIA BİOKLİMATİK

## Solaria Bioclimatic

Solaria Bioclimatic sistemi, dönebilen panelleri sayesinde güneş ışığını kontrol eder ve çeşitli iklim koşullarına karşı koruma sağlar. Otomatik havalandırma sistemi ile iç mekân sıcaklığı düzenlenebilir ve hava sirkülasyonu sağlanabilir. Ayrıca LED aydınlatma, ısıtma ve entegre müzik sistemleri gibi aksesuarlarla donatılabilir. Lavin, bahçelerde, teraslarda ve verandalarda konforlu dış mekân yaşam alanları oluşturmak için ideal bir çözümdür.

Solaria Bioclimatic controls sunlight with its rotatable panels and provides protection against climatic conditions. Indoor temperature can be adjusted and air circulation can be provided with the automatic ventilation system. It can be equipped with accessories such as LED lighting, heating and music systems. It is an ideal option for creating comfortable outdoor areas in gardens, terraces and verandas.



## İŞIK VE GÖLGELENDİRME KONTROLÜ

### Light and Shade Control

Panellerin açısı ayarlanarak gün ışığı miktarı kolayca kontrol edilebilir. Güneş ışınlarının yoğun olduğu saatlerde panelleri daha kapalı konuma getirerek gölge oluşturulabilir.

*The amount of daylight can be easily controlled by adjusting the angle of the panels. During the hours when the sun's rays are intense, shade can be created by turning the panels more closed.*



# 0°

Lamellerin kapalı kalması her türlü hava koşulundan koruma sağlar.

*Provides protection from all weather conditions the roof remains closed.*

## HAVA SİRKÜLASYONU VE ISI KONTROLÜ

### Air Circulation and Heat Control

Sıcak havalarda panellerin açılması, doğal hava sirkülasyonunu arttırarak serin bir atmosfer yaratır. Kış aylarında ise paneller kapatılarak soğuk hava akışının önüne geçilir ve ısı yalıtımı sağlanır.

*Opening the panels in hot weather creates a cool atmosphere by increasing natural air circulation. In winter, the panels are closed to prevent cold air flow and provide thermal insulation.*



# 5°

Yağmur veya kar yağıyor olsa bile alanın havalandırılmasına izin verir

*Provide the ventilation of the area even if it is raining or snow*

## YAĞMUR VE RÜZGAR KORUMASI

### Rain and Wind Protection

Yağmurlu havalarda panellerin eğimi artırılarak suyun akışı yönlendirilir ve iç mekan kuru kalır. Rüzgarlı havalarda ise panellerin uygun açıda konumlandırılması, rüzgarın etkisini azaltır.

*In rainy weather, increasing the tilt of the panels directs the flow of water keeping the interior dry. In windy conditions, positioning the panels at the right angle reduces the impact of the wind.*



# 45°

Güneş ışığının girmesine izin verir, yine de aydınlatmayı kontrol eder.

*Allow the sunlight to enter, still controls the lighting.*

## ENERJİ TASARRUFU VE ÇEVRE DOSTU ÇÖZÜM

### Energy Saving and Eco-Friendly Solution

Doğal ışık ve hava sirkülasyonunun optimize edilmesi, enerji tüketimini azaltır. Klima ve ısıtma sistemlerine olan bağımlılık azalırken, çevre dostu bir yaşam alanı oluşturulur.

*Optimizing natural light and air circulation reduces energy consumption. Dependence on air conditioning and heating systems decreases, creating and eco-friendly living spaces.*



# 105°

Güneş ışığının tam olarak kullanılmasına izin verir.

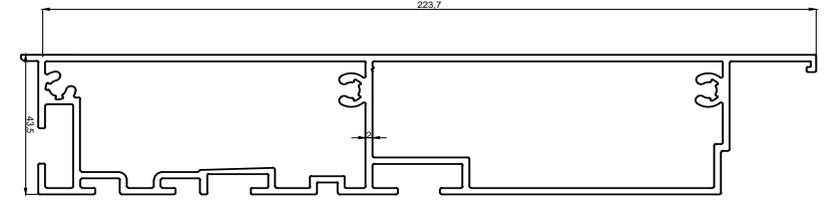
*Permits full use of the sunlight*

## Sistem Profilleri / System Profiles



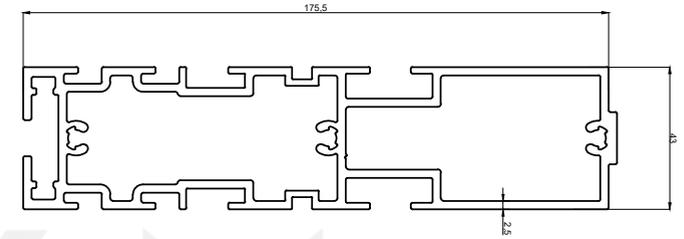
Ölük Kiriş Profili / Gutter Beam Profile

Ürün Kodu / Product Code	4477
Ağırlık / Weight	3,637 kg/m



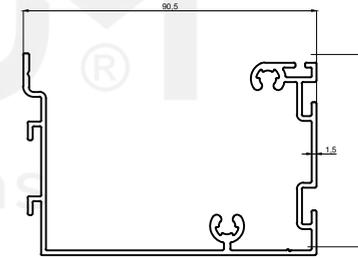
Ray Profili / Rail Profile

Ürün Kodu / Product Code	4476
Ağırlık / Weight	4,442 kg/m



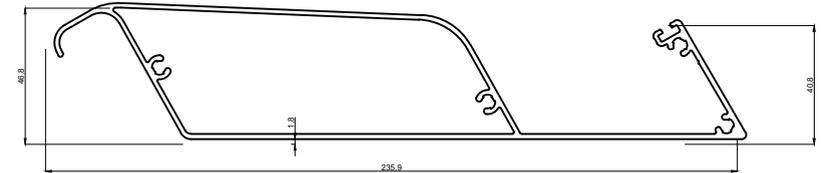
Ölük Profili / Gutter Profile

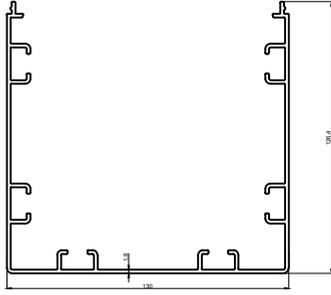
Ürün Kodu / Product Code	4482
Ağırlık / Weight	1,322 kg/m



Panel Profili / Panel Profile

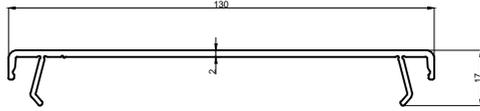
Ürün Kodu / Product Code	4478
Ağırlık / Weight	2,496 kg/m





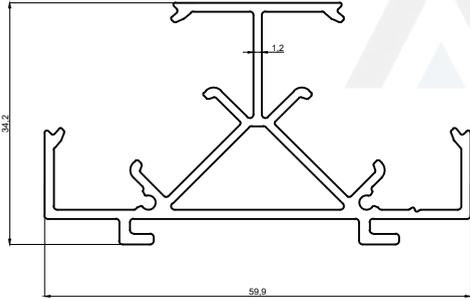
## Ayak Profili / Base Profile

Ürün Kodu / Product Code	4479
Ağırlık / Weight	2,461 kg/m



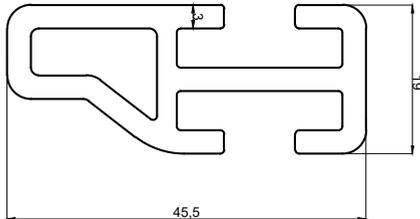
## Ayak Kapak Profili / Base Cover Profile

Ürün Kodu / Product Code	4480
Ağırlık / Weight	0,894 kg/m



## 2'Li LED Profili / Double LED Profile

Ürün Kodu / Product Code	4481
Ağırlık / Weight	0,734 kg/m



## Tilt Tahrir Profili / Tilt Drive Profile

Ürün Kodu / Product Code	4118
Ağırlık / Weight	1,003 kg/m



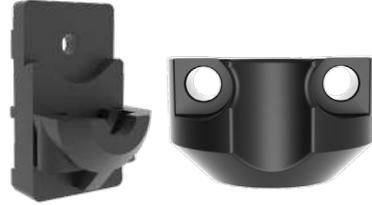
## Sistem Aksesuarları / System Accessories

Motor Grubu  
Engine Group



Kod/Code EBiO-9  
Miktar/Piece 1 PCS

Panel Rulman Mil Yatağı ve Kapağı  
Panel Bearing Shaft Housing and Cover



Kod/Code EBiO-15  
Miktar/Piece 1 PCS

Tilt Panel Kapağı (Sol)  
Tilt Panel Cover (Left)



Kod/Code EBiO-20  
Miktar/Piece 1 PCS

Tilt Panel Kapağı (Sağ)  
Tilt Panel Cover (Right)



Kod/Code EBiO-19  
Miktar/Piece 1 PCS

Su Gideri Siyah  
Water Drain Black



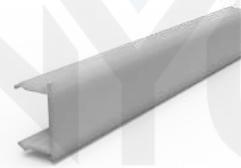
Kod/Code PRG-09-2  
Miktar/Piece 1 PCS

Led Köşe Plastiği  
Led Corner Plastic



Kod/Code EBiO-28  
Miktar/Piece 1 PCS

Diffüzör Kapağı  
Diffuser Cover



Kod/Code BiO-35  
Miktar/Piece 1 Metre

Özel Pim Burcu  
Special Pin Bushing



Kod/Code EBiO-13  
Miktar/Piece 2 PCS

Tahrik Pimi  
Drive Pin



Kod/Code EBiO-14  
Miktar/Piece 2 PCS

Oluk Fitili  
Gutter Wick



Kod/Code ACT-12  
Miktar/Piece 100 Metre

Panel Fitili  
Panel Wick



Kod/Code PAL-147  
Miktar/Piece 100 Metre

Panel Tilt Mili  
Panel Tilt Shaft



Kod/Code EBiO-21  
Miktar/Piece 2 PCS

6000 Rulman  
6000 Bearing



Kod/Code EBiO-18  
Miktar/Piece 2 PCS

Eko Köşe Üst Kapağı  
Eco Corner Top Cover



Kod/Code EBiO-2  
Miktar/Piece 1 PCS

Yan Dikme İç Köşe Bağlantı  
Side Strut Inner Corner Connection



Kod/Code EBiO-4  
Miktar/Piece 1 PCS

Yan Dikme Dış Köşe Kapağı  
Side Strut Outer Corner Cover



Kod/Code EBiO-5  
Miktar/Piece 1 PCS

Ayak Üst Bağlantı Aparatı  
Top Bracket for Vertical Base



Kod/Code EBiO-3  
Miktar/Piece 1 PCS

Ayak Üst Bağlantı Aparatı Su Çıkışsız  
Ayaksız  
Base Top Connection Apparatus Without  
Water Outlet and Support



Kod/Code EBiO-3-1  
Miktar/Piece 1 PCS

Köşe Birleşim Üst Bağlantı Aparatı  
Su Çıkışlı  
Corner Joint Top Connection Bracket  
Water Outlet



(YANLARI DUVAR OLDUĞUNDA KULLANILIR)

Kod/Code EBiO-3-3  
Miktar/Piece 1 PCS

Köşe Birleşim Üst Bağlantı Aparatı  
Su Çıkışsız  
Corner Joint Top Connection Apparatus  
Without Water Outlet and Support



(YANLARI DUVAR OLDUĞUNDA KULLANILIR)

Kod/Code EBiO-3-4  
Miktar/Piece 1 PCS

Direk ve Zemin Bağlantı Aparatı  
Pole to Ground Connection Bracket



Kod/Code EBiO-7  
Miktar/Piece 1 PCS

Ara Ayak ve Oluk Bağlantı Aparatı  
INTERMEDIATE POST AND GUTTER  
CONNECTION BRACKET



Kod/Code EBiO-3-2  
Miktar/Piece 1 PCS

İkili Üst Bağlantı Aparatı Su Çıkışlı  
Double Top Connection Bracket  
With Water Outlet



Kod/Code EBiO-30  
Miktar/Piece 1 PCS

İkili Üst Bağlantı Aparatı Su Çıkışsız Ayaksız  
Double Top Connection Bracket Without  
Water Outlet and Support



Kod/Code EBiO-30-1  
Miktar/Piece 1 PCS

## Sistem Aksesuarları / System Accessories

İkili Üst Bağlantı Ray Aparatı  
Double Top Connection Rail Bracket



(EBİO-35 VE EBİO-36 İLE BİRLİKTE  
KULLANILYOR.)

Kod/Code EBİO-30-2  
Miktar/Piece 1 PCS

Dörtlü Üst Bağlantı Aparatı  
Four-Way Top Connection Bracket



Kod/Code EBİO-31-2  
Miktar/Piece 1 PCS

Dörtlü Bağlantı Aparatı Alt Su Çıkışı  
Four-Way Connection Bracket With Bottom  
Water Outlet



Kod/Code EBİO-31  
Miktar/Piece 1 PCS

Dörtlü Bağlantı Aparatı Alt Su Çıkışsız  
Ayaksız  
Four-Way Connection Bracket Without  
Bottom Water Outlet and Support



Kod/Code EBİO-31-1  
Miktar/Piece 1 PCS

Oluk Dikme Birleşim  
Aparatı

Gutter Strut Joint Apparatus



Kod/Code EBİO-26  
Miktar/Piece 1 PCS

Oluk Dikmesi Bağlantı Laması  
Gutter Post Connection Plate



Kod/Code EBİO-24  
Miktar/Piece 1 PCS

Duvar Bağlantı Aparatı Üstten  
Wall Mounting Bracket Top



Kod/Code EBİO-27  
Miktar/Piece 1 PCS

Duvar Bağlantı Aparatı Alt  
Wall Mount Bracket Bottom



Kod/Code EBİO-25  
Miktar/Piece 1 PCS

Panel Ara Ayar Mesafe Şablonu  
Panel Intermediate Setting  
Distance Template



Kod/Code EBİO-G29  
Miktar/Piece 1 PCS

Ayak İç Destek Aparatı  
Base Inner Support Bracket



Kod/Code EBİO-G34  
Miktar/Piece 1 PCS

M8X25 İMBUS CIVATA  
M8X25 İMBUS CIVATA



Kod/Code EBİO-22  
Miktar/Piece 2 PCS

M6X30 İMBUS CIVATA  
M6X30 İMBUS CIVATA



Kod/Code BİO-14  
Miktar/Piece 5 PCS

YSB 3,9X16 Vida  
YSB 3.9X16 Screw



Kod/Code EBİO-9-8  
Miktar/Piece 1 PCS

M8 PUL  
M8 BULL



Kod/Code EBİO-12  
Miktar/Piece 3 PCS

YHB 4,8X38 Vida  
YHB 4.8X38 Screw



Kod/Code BİO-11  
Miktar/Piece 9 PCS

## Sistem Aksesuarları / System Accessories

25x25 Lama M8 Diş  
25x25 Lama M8 Thread



Kod/Code  
Miktar/Piece

BiO-10  
4 PCS

20x20 Lama M8 Diş  
20x20 Lama M8 Thread



Kod/Code  
Miktar/Piece

EBiO-9-6  
2 PCS

M6 SOMUN  
M6 NUT



Kod/Code  
Miktar/Piece

EBiO-9-7  
4 PCS

Akb M8X16 Cıvata  
Akb M8X16 Bolt



Kod/Code  
Miktar/Piece

EBiO-10  
3 PCS

Akb M8X30 Cıvata  
Akb M8X16 Bolt



Kod/Code  
Miktar/Piece

EBiO-11  
2 PCS

Çap 10 Mil Segman  
Diameter 10 Shaft Circlip



Kod/Code  
Miktar/Piece

EBiO-17  
2 PCS

M8X12 AKB Cıvata  
M8X12 AKB Bolt



Kod/Code  
Miktar/Piece

EBiO-6  
2 PCS

M8X12 HAVŞA BAŞ İMBUS  
M8X12 COUNTERSUNK HEAD MBUS



Kod/Code  
Miktar/Piece

EBiO-8  
1 PCS

M8 Kare Kaynak Somun  
M8 Square Weld Nut



Kod/Code  
Miktar/Piece

EBiO-1  
2 PCS

Tilt Kontrol Ünitesi Somfy  
Uyumlu  
Tilt Control Unit Somfy Compatible



Kod/Code  
Miktar/Piece

BiO-62  
1 PCS

Tilt Kontrol Ünitesi Üiversal  
Tilt Control Unit Universal



Kod/Code  
Miktar/Piece

BiO-63  
1 PCS

Tilt Kontrol Ünitesi RGB  
Tilt Control Unit RGB



Kod/Code  
Miktar/Piece

BiO-64  
1 PCS

Kumanda  
CONTROLLER



Kod/Code  
Miktar/Piece

RTS-KMI-5  
1 PCS

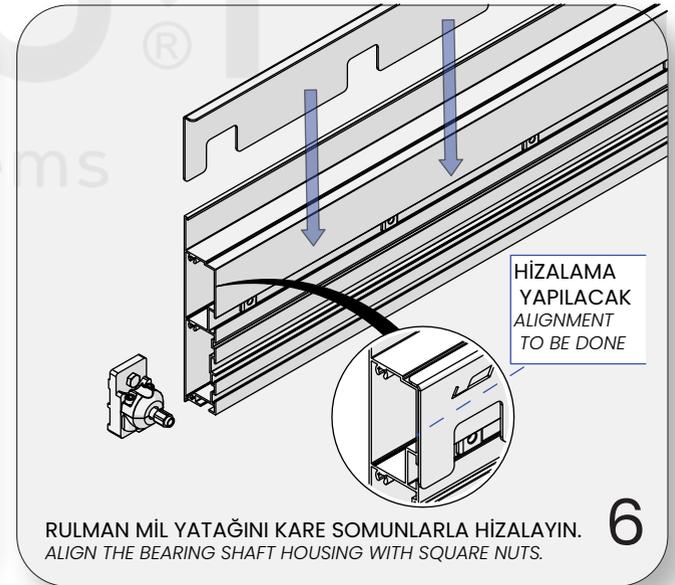
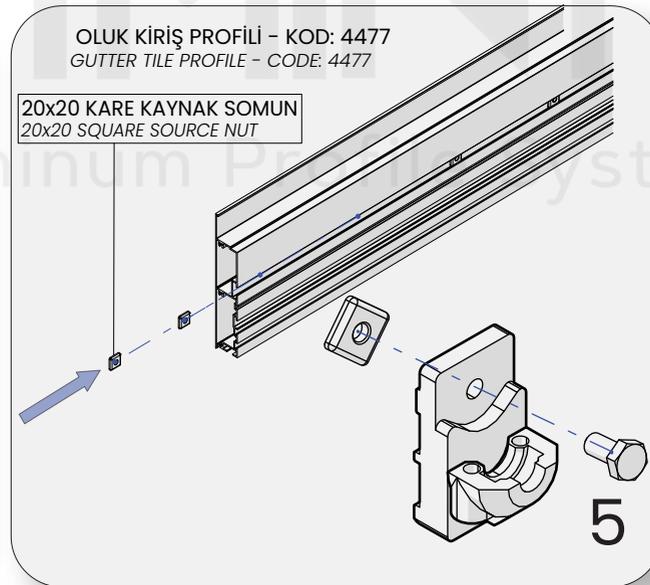
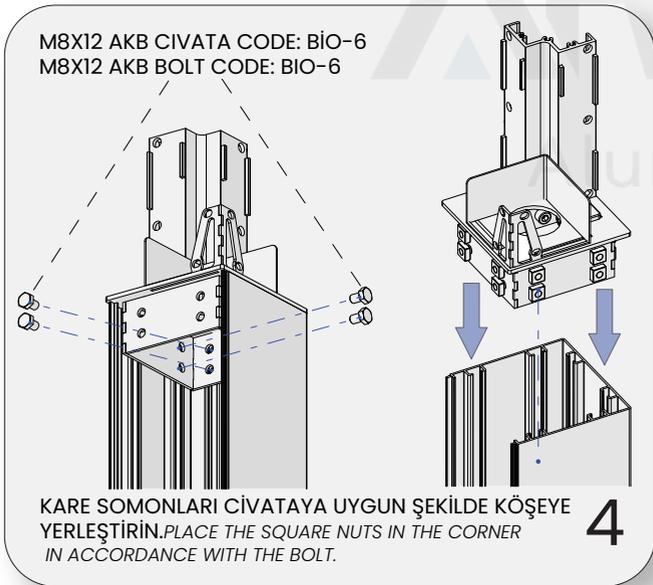
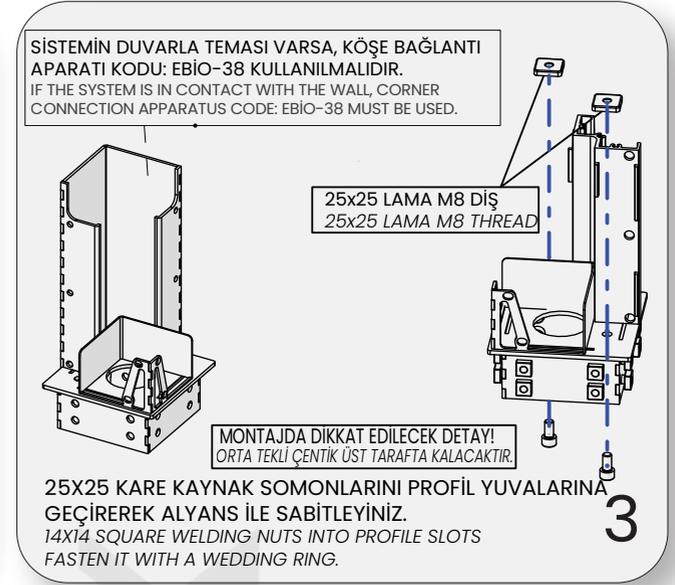
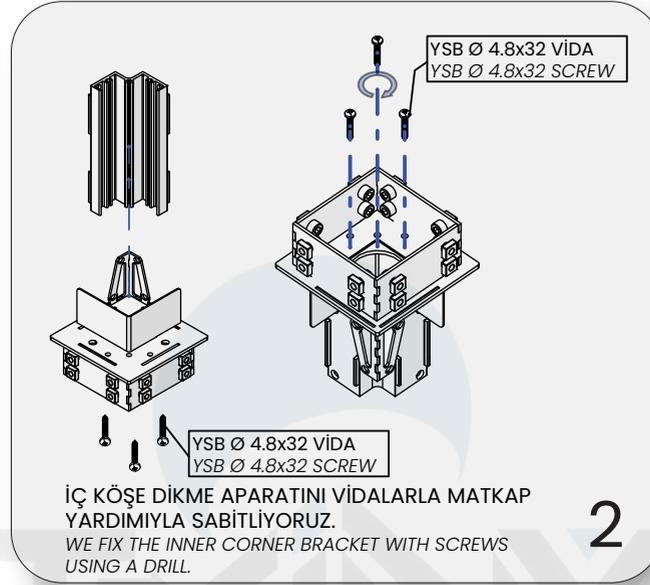
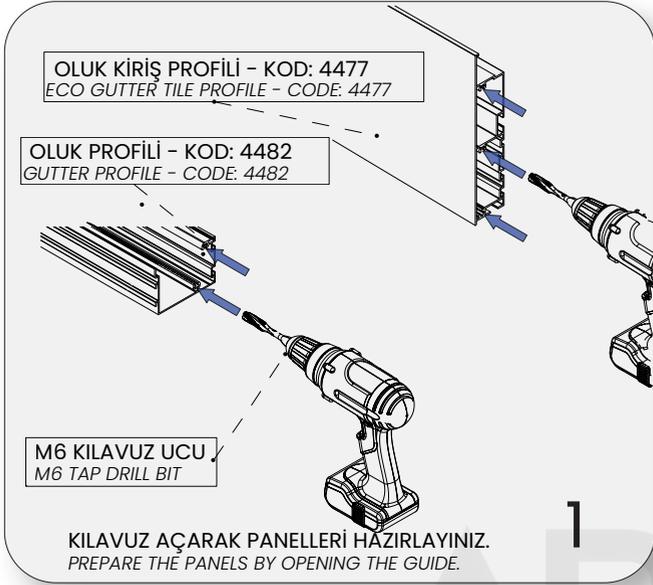
İzoleli Led Günişığı  
Insulated Led Daylight



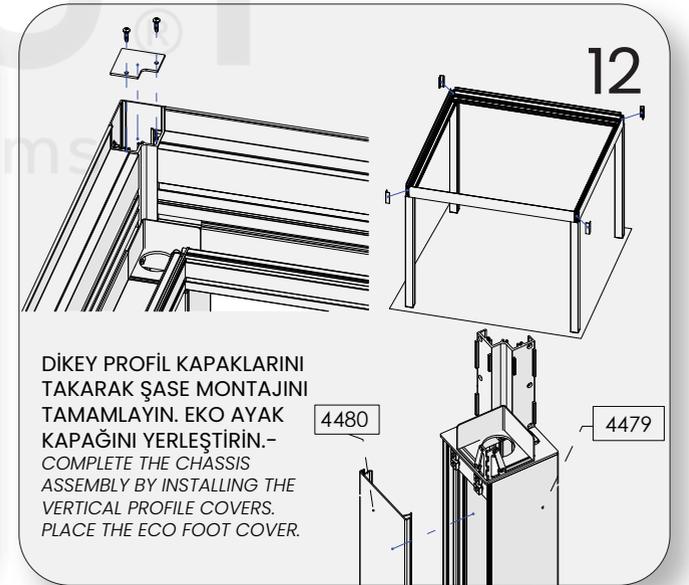
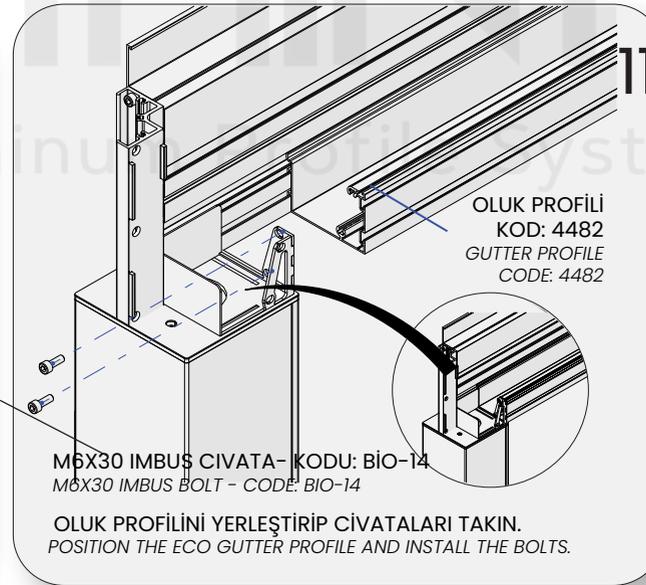
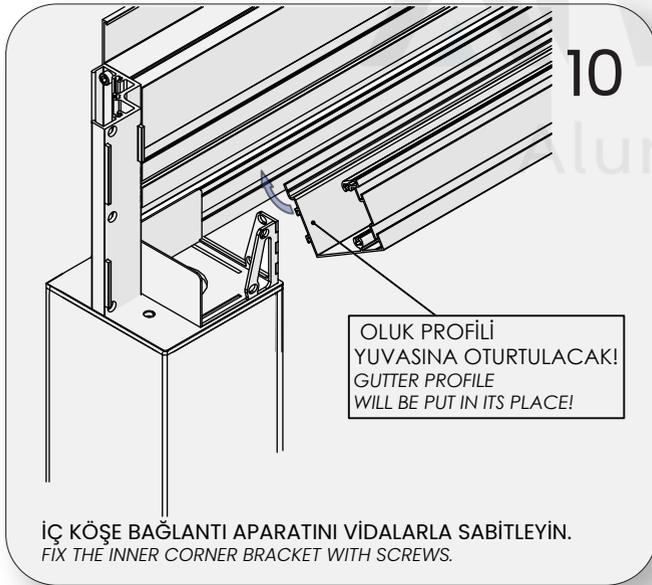
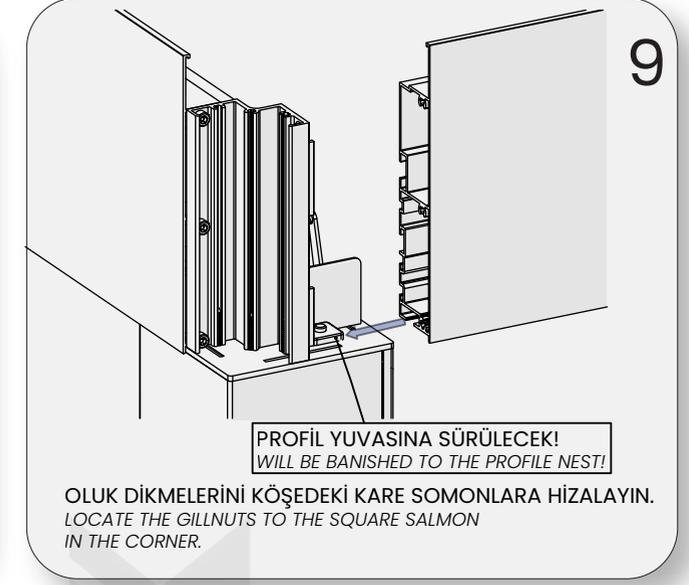
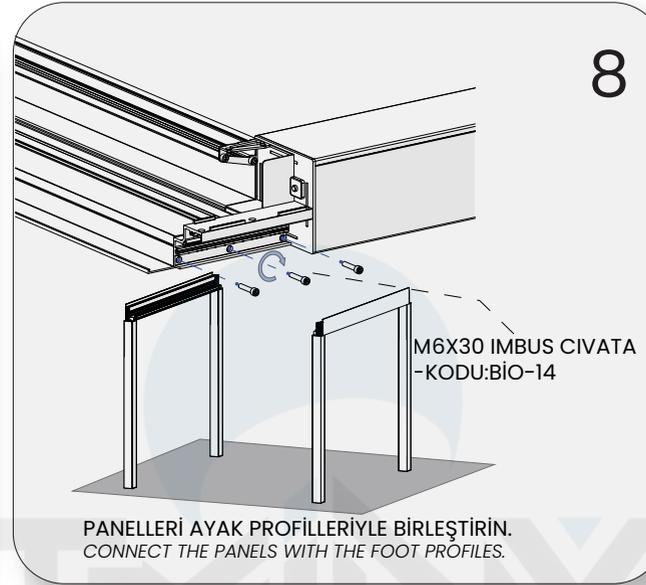
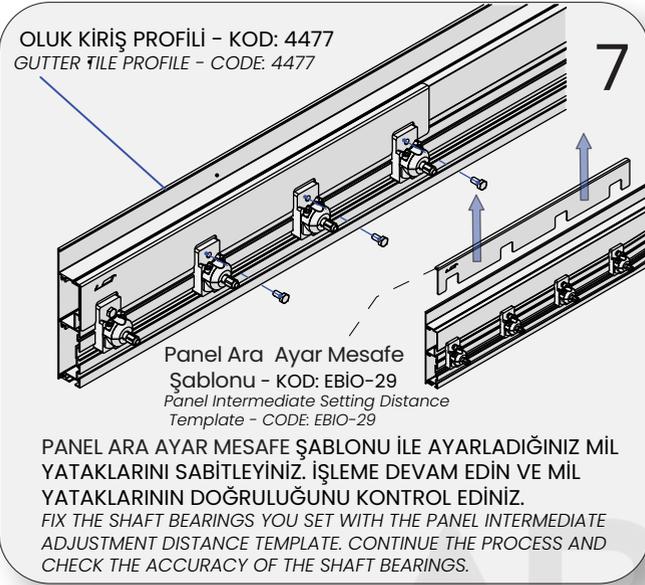
Kod/Code  
Miktar/Piece

PAL-145  
1 Metre

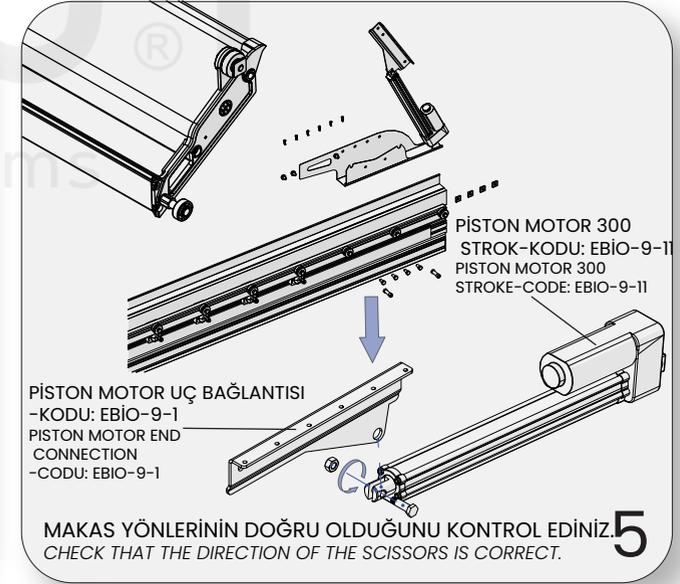
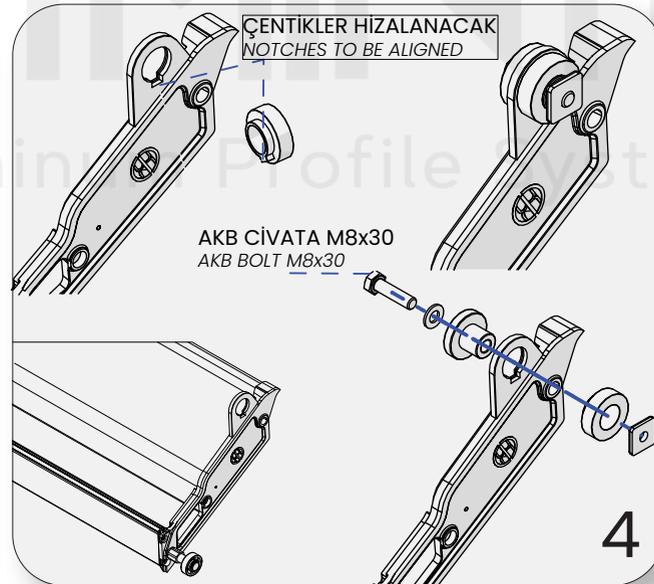
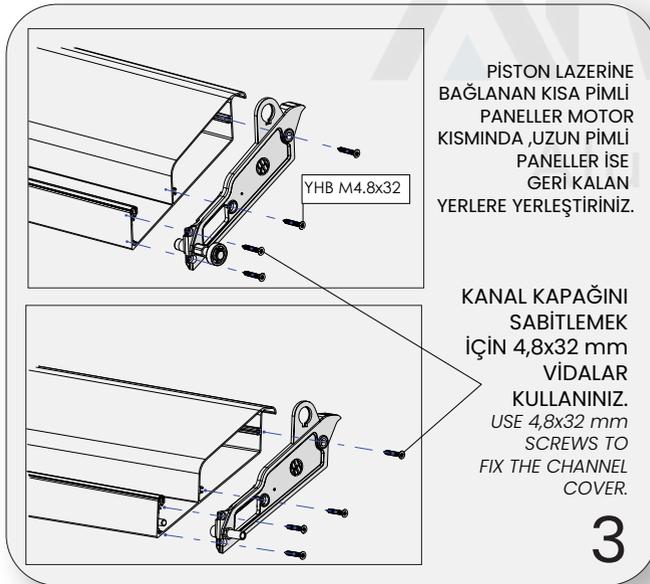
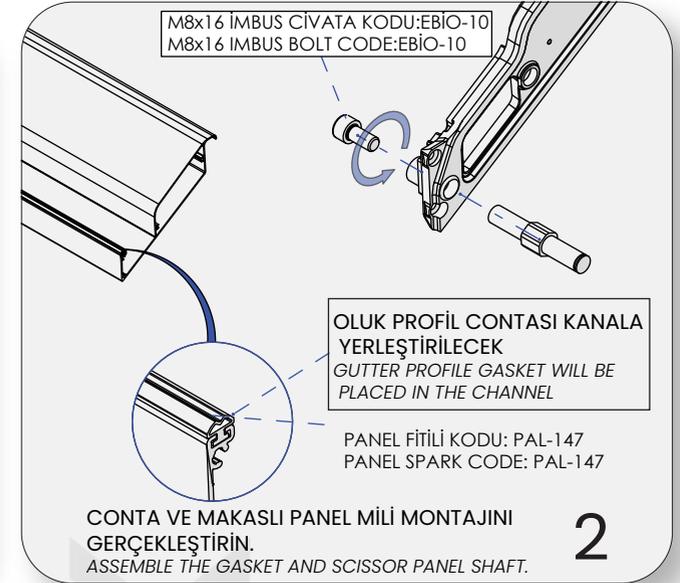
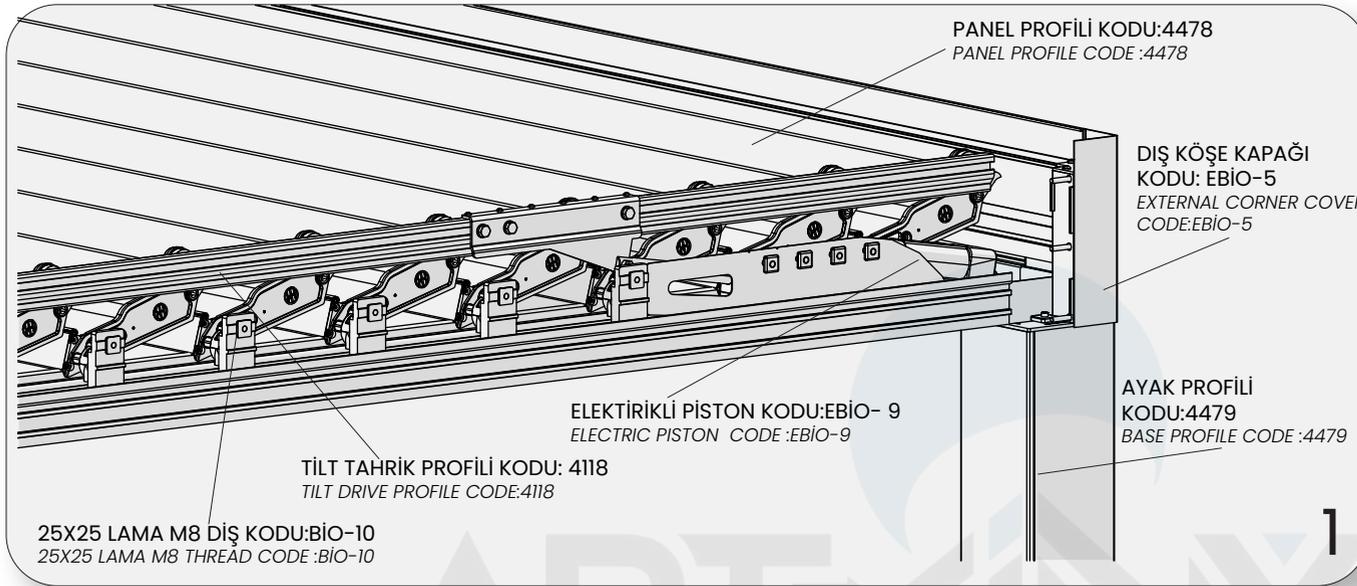
## Şase Montaj Şeması / Chassis Assembly Diagram



## Şase Montaj Şeması / Chassis Assembly Diagram



# Panel Montaj Şeması / Panel Assembly Diagram



## Panel Montaj Şeması / Panel Assembly Diagram

MOTOR BAĞLANTI PİMİ  
-KODU: EBİO-9-4  
Motor Mounting Pin  
- Code: EBİO-9-4

M6 SOMUN  
-KODU: EBİO-9-7  
M6 Nut - CODE: EBİO-9-7

MOTOR GRUBU MONTAJINI TAMAMLAYARAK OLUĞUN İÇERİSİNE YERLEŞTİRİNİZ.  
COMPLETE THE ENGINE ASSEMBLY ASSEMBLY AND PLACE IT IN THE GROOVE.

6

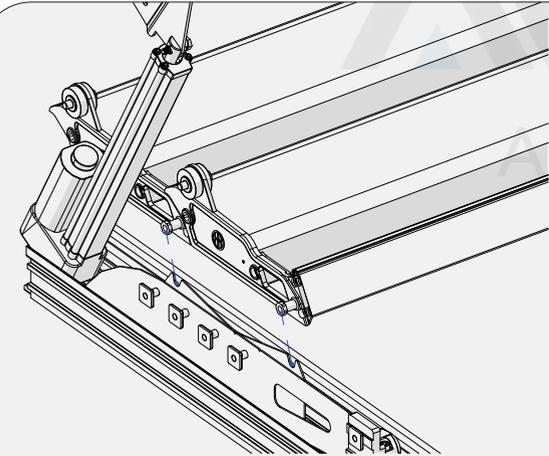
MOTOR GURUBU KODU :EBİO- 9  
ENGINE GROUP CODE :EBİO- 9

CİVATALARI, KARE SOMUNLARI KARŞILAYACAK ŞEKİLDE TAKARAK MONTAJA DEVAM EDİNİZ.  
CONTINUE ASSEMBLY BY INSERTING THE BOLTS IN SUCH A WAY THAT THEY MEET THE SQUARE NUTS.

7

LAMELLERİ, MENTEŞE APARATLARINA YERLEŞTİREREK TAŞIYICI SİSTEME BAĞLAYINIZ.  
CONNECT THE SLATS TO THE CARRIER SYSTEM BY PLACING THEM ON THE HINGE APPARATUS.

8



MOTOR MEKANİZMASINI RAY YUVASINA YERLEŞTİREREK MENTEŞEYE SABİTLEYİNİZ.  
FIX THE MOTOR MECHANISM TO THE HINGE BY INSERTING IT INTO THE RAIL SLOT.

9

MOTOR PANEL TUTUCU KODU :EBİO-9-3  
ENGINE PANEL HOLDER CODE :EBİO-9-3

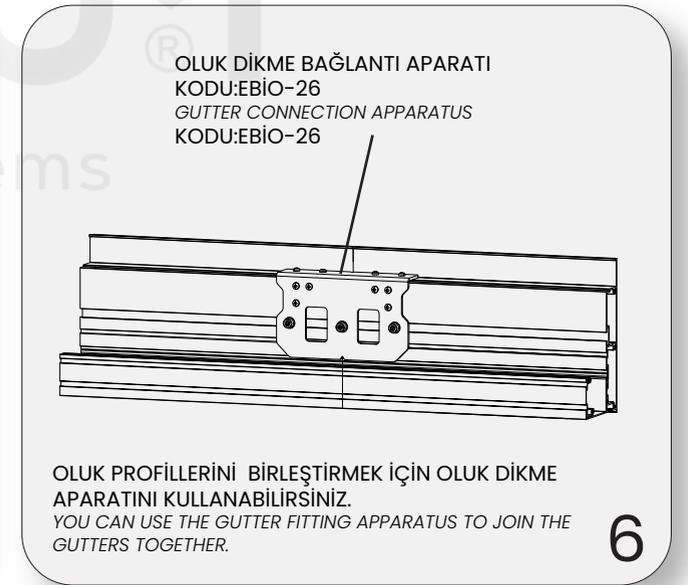
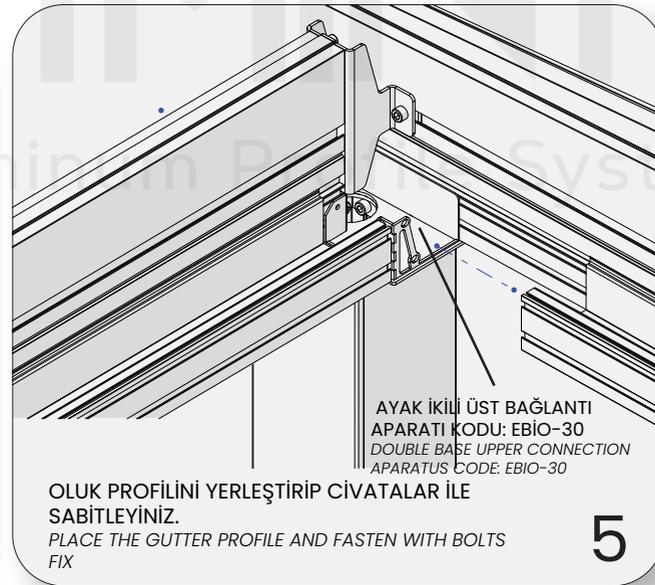
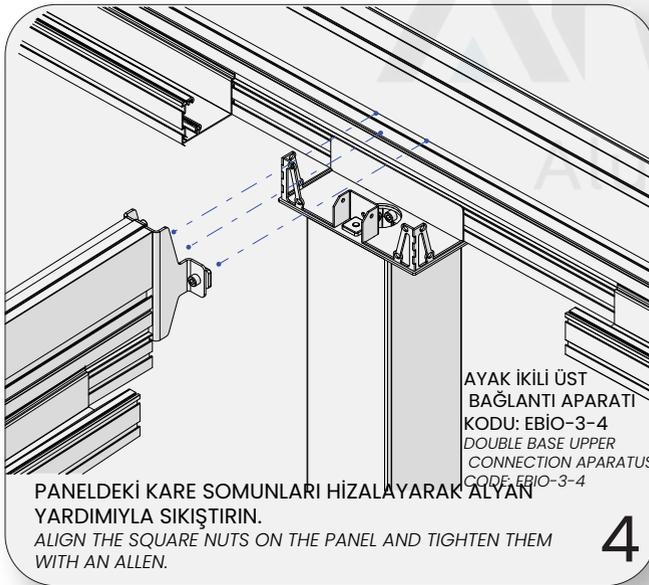
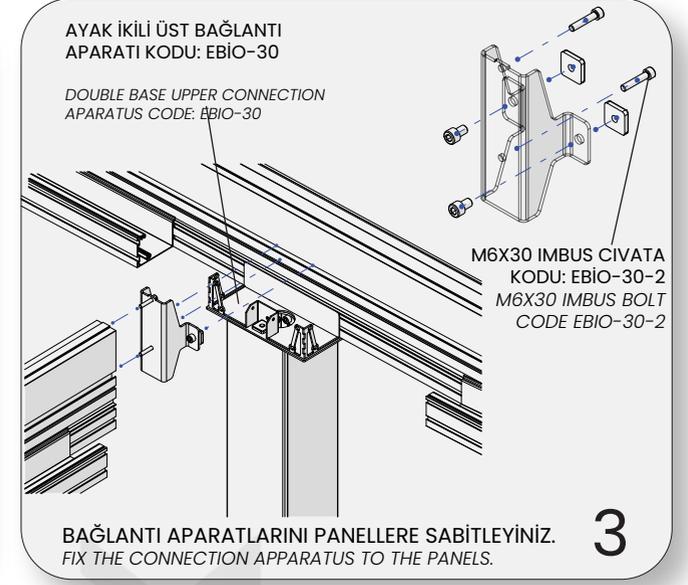
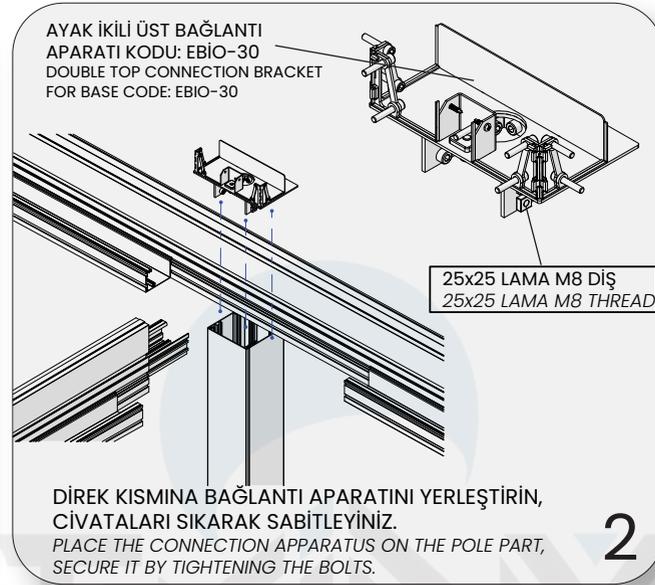
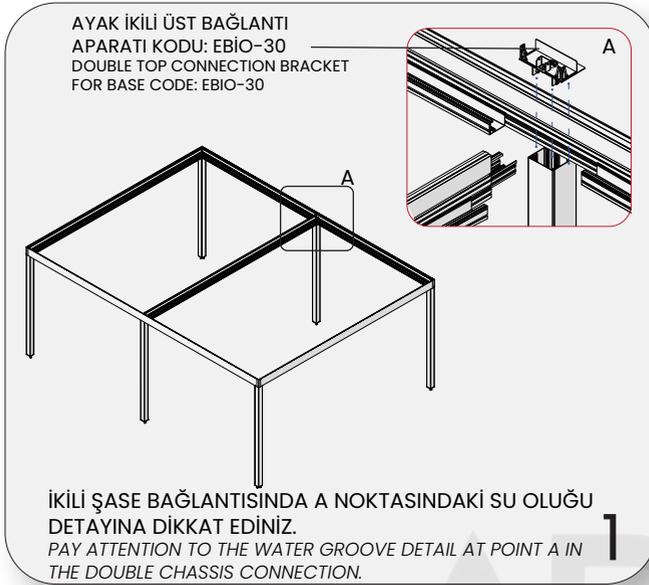
MOTORUN UÇ KISIMINI KİLİT SACINA YANLARDAN VE ÜSTTEN SABİTLEYEREK MONTAJI TAMAMLAYINIZ.  
COMPLETE THE ASSEMBLY BY FIXING THE END PART OF THE MOTOR TO THE LOCK PLATE FROM THE SIDES AND TOP.

10

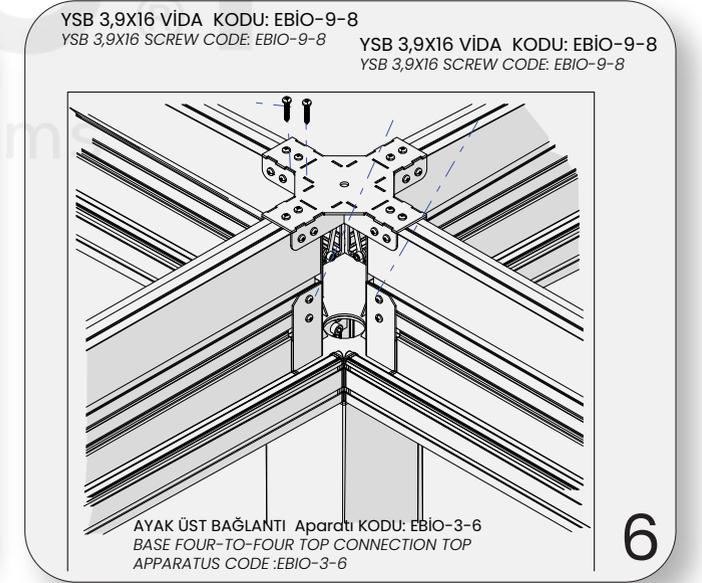
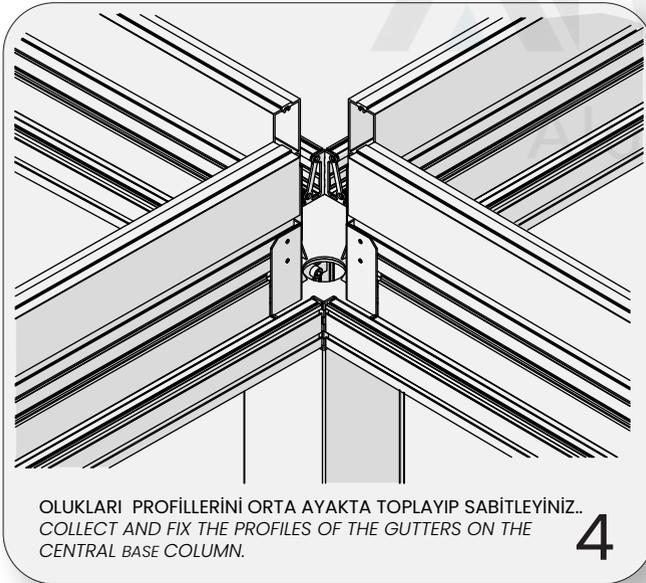
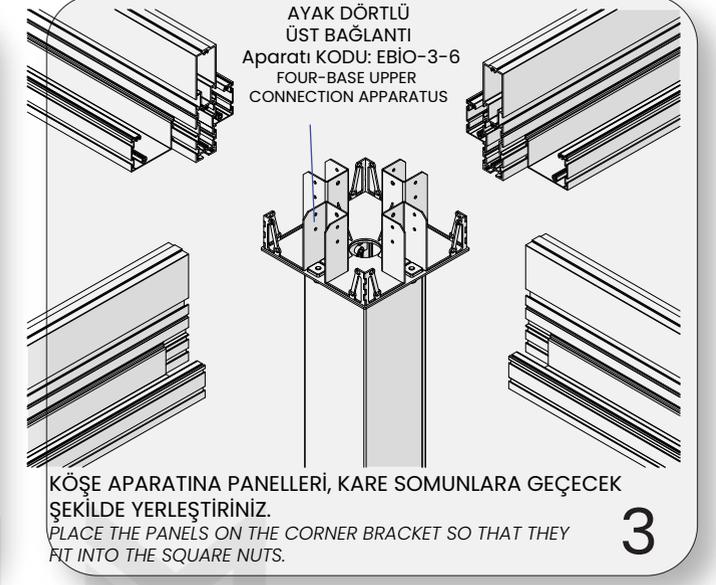
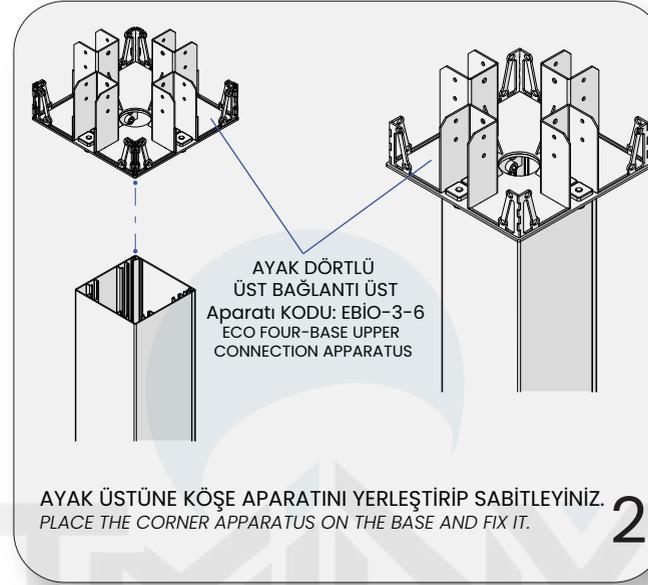
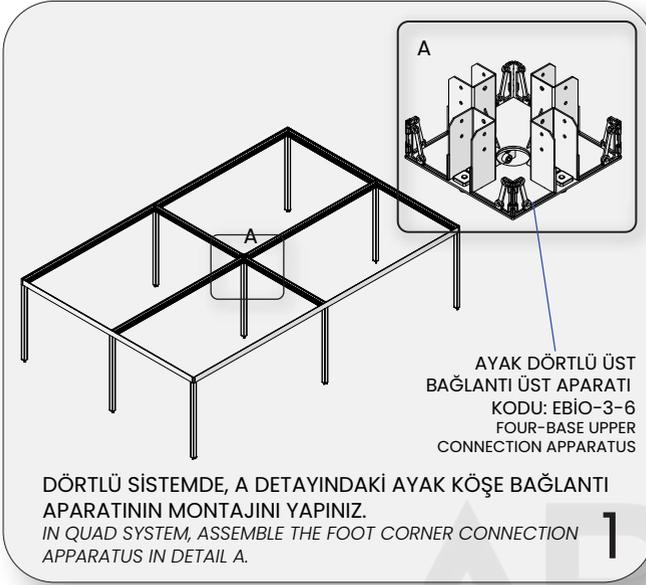
AKB M6X10 CIVATA KODU :EBİO-9-10  
AKB M6X10 CIVATA KODU :EBİO-9-10

PISTON MOTOR UÇ BAĞLANTISI  
KODU :EBİO-9-1  
APISTON MOTOR END CONNECTION  
CODE :EBİO-9-1 CODE: EBİO-9-10

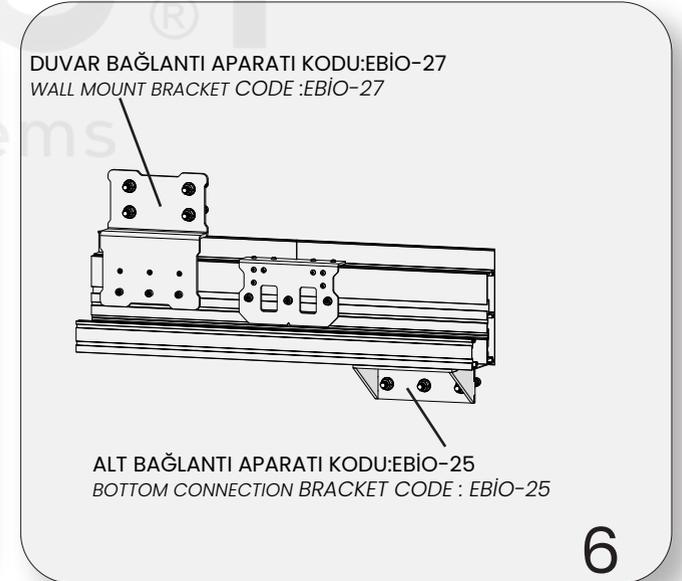
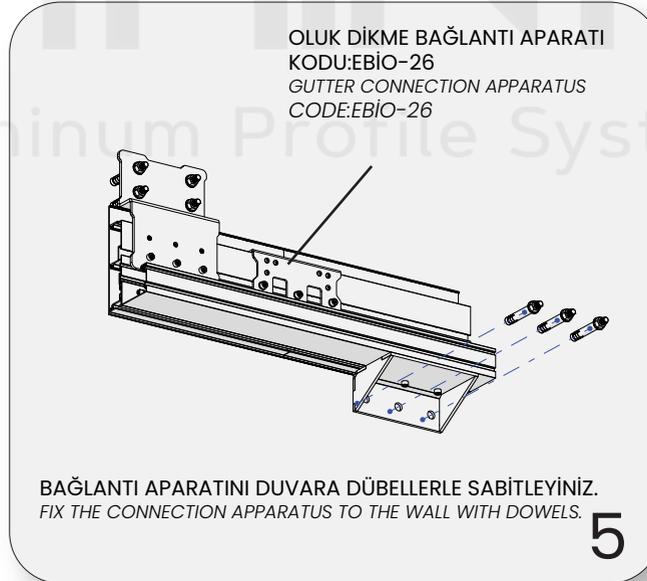
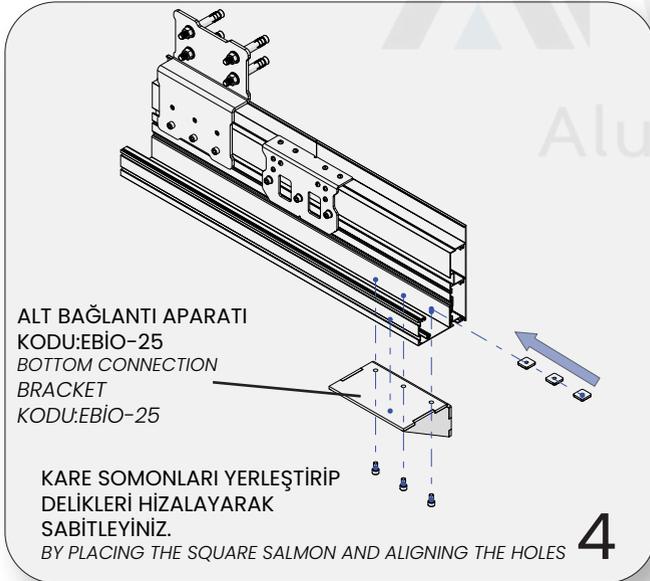
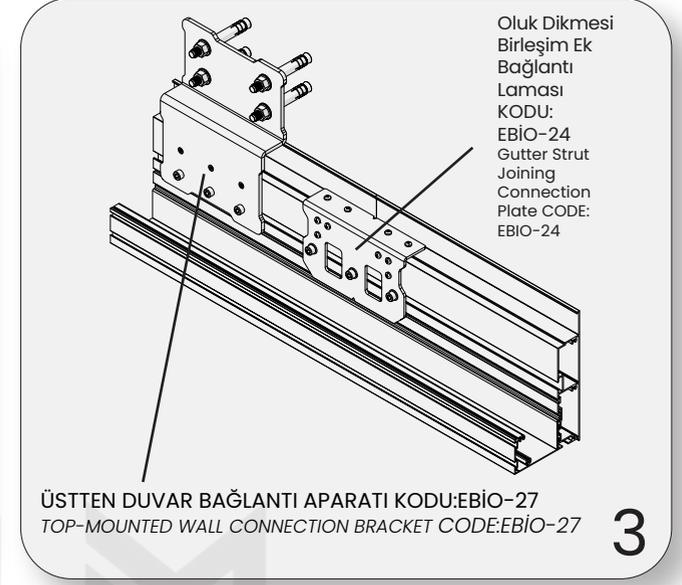
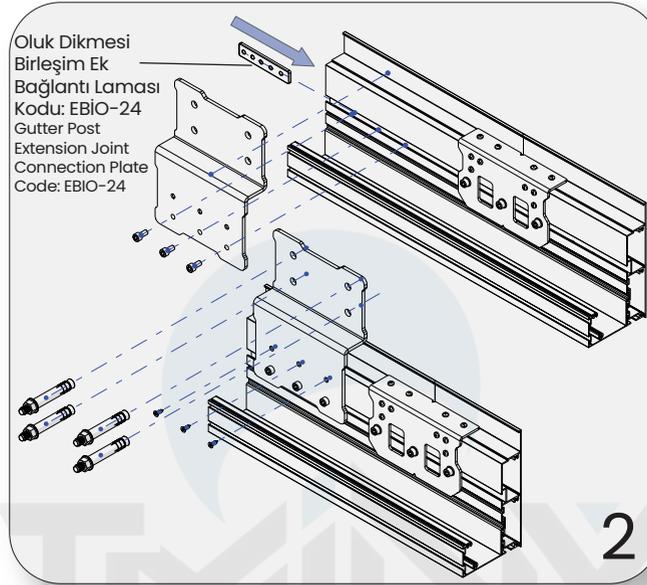
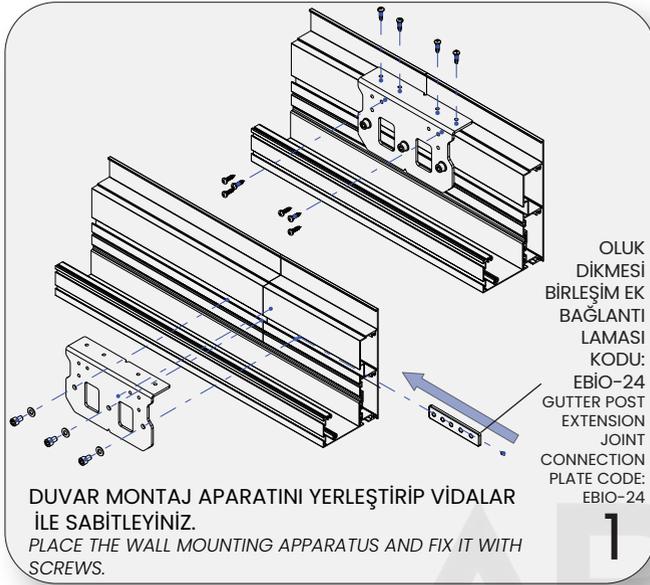
## 2'li Şase Montaj Şeması / 2 Chassis Mounting Diagram



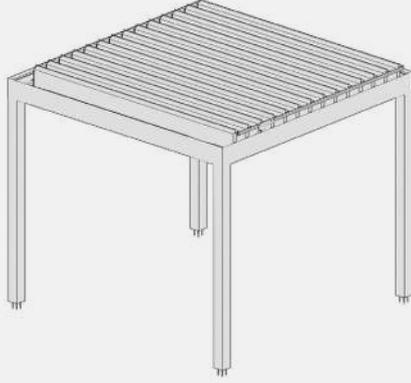
## 4'lü Montaj Şeması / 4 Chassis Mounting Diagram



## Duvar Askı Montaj Şeması /Wall Hanger Mounting Diagram



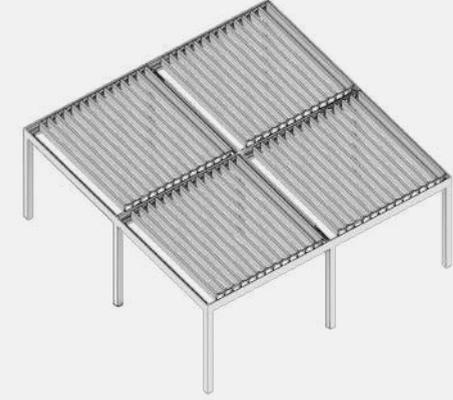
## Sistem Diyagram Şeması /SYSTEM DIAGRAM SCHEMA



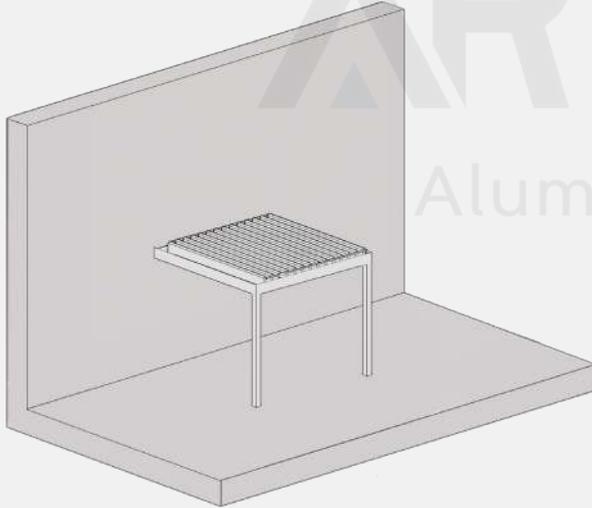
**SOLARİA BİOKLİMATİK TEKLİ SİSTEM**  
*SOLARİA SINGLE SYSTEM*



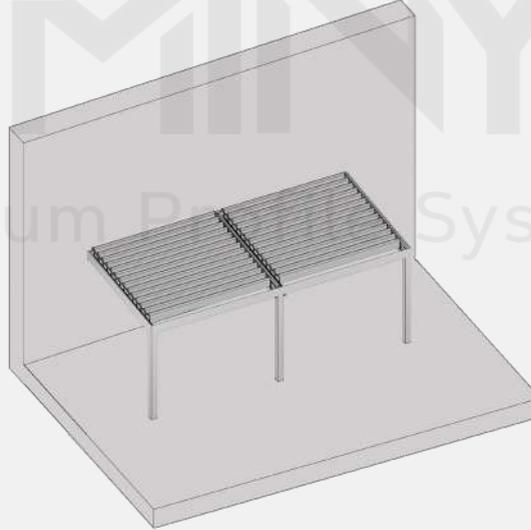
**SOLARİA BİOKLİMATİK İKİLİ SİSTEM**  
*SOLARİA BIOCLIMATIC DOUBLE SYSTEM*



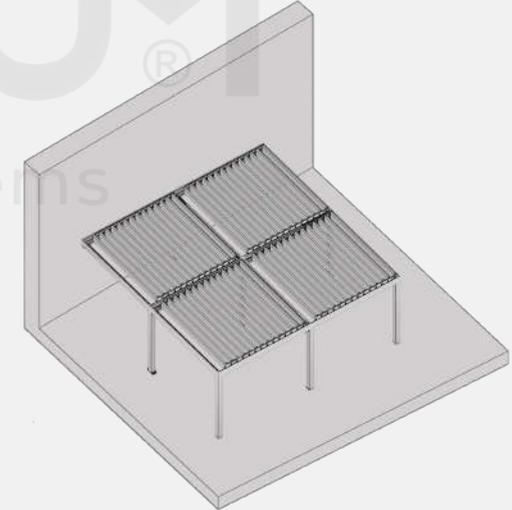
**SOLARİA BİOKLİMATİK ÇOKLU SİSTEM**  
*ECOBIOCLIMATIC MULTIPLE SYSTEM*



**SOLARİA BİOKLİMATİK TEKLİ SİSTEM**  
*SOLARİA BIOCLIMATIC SINGLE SYSTEM*



**SOLARİA BİOKLİMATİK İKİLİ SİSTEM**  
*SOLARİA BIOCLIMATIC DOUBLE SYSTEM*



**SOLARİA BİOKLİMATİK ÇOKLU SİSTEM**  
*SOLARİA BIOCLIMATIC MULTIPLE SYSTEM*

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*At Kenan Metal, we do not limit our activities in the aluminum and metal industry to production alone; we place as much importance on our responsibility to the environment as we do on quality and customer satisfaction. With every step we take toward a sustainable future, we believe in the power of recycling and the importance of protecting nature.*





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**Fabrika :** Velimeşe Mahallesi, Kandil Caddesi, 329 Sokak,  
Dış Kapı No:7 Ergene / Tekirdağ

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