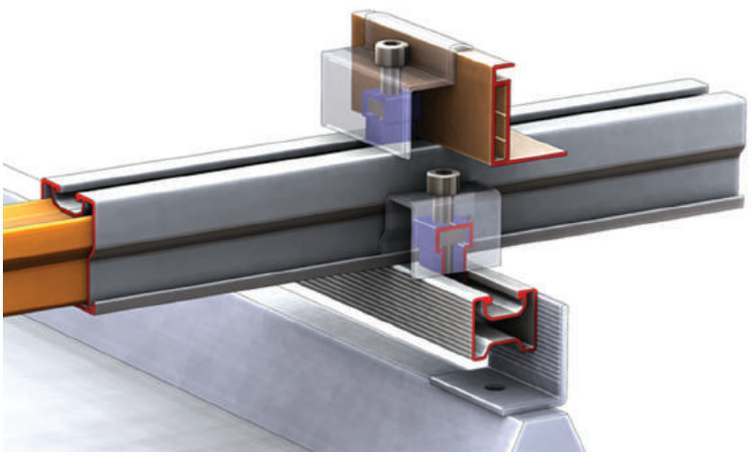
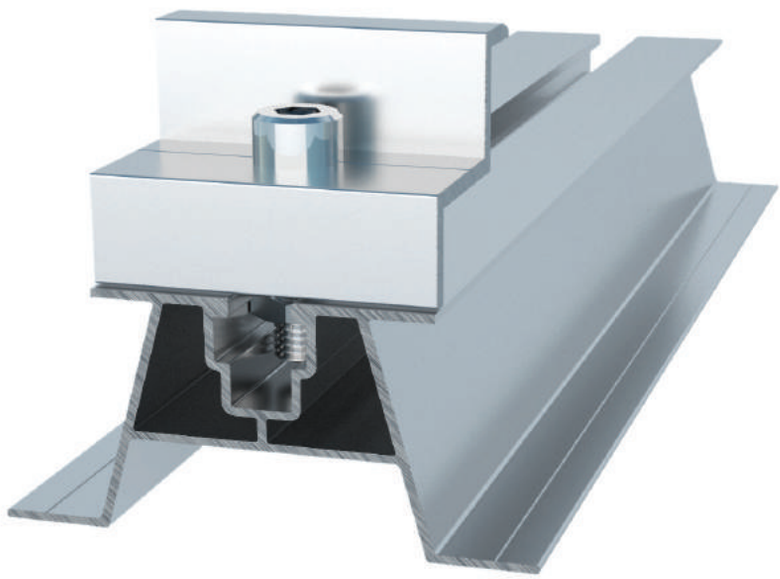


güneş enerji sistem profilleri

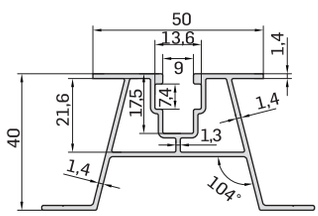
Çatı Tipi Güneş Enerji Sistemi

Roof Type Solar Energy System

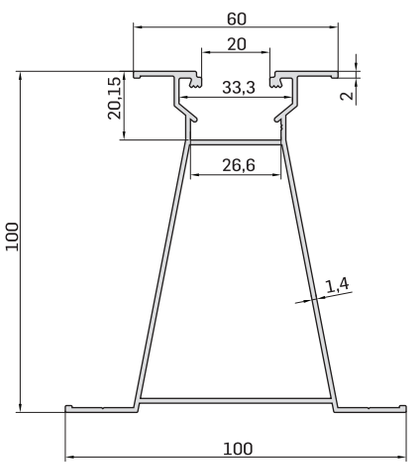


Profiller

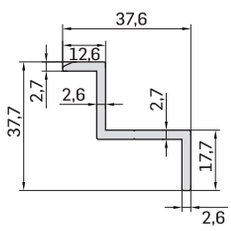
Profiles



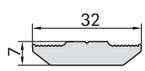
1398
Ray Profili
Rail Profile
0,911



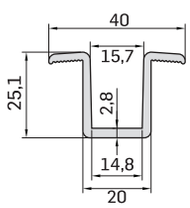
2928
Ray Profili
Rail Profile
1,469



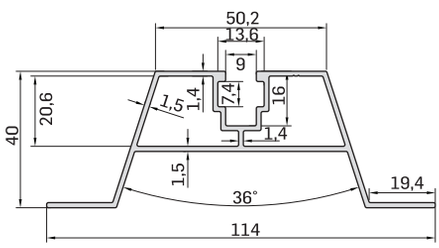
2953
Kenar Tutucu Klemp
End Clamp
0,515



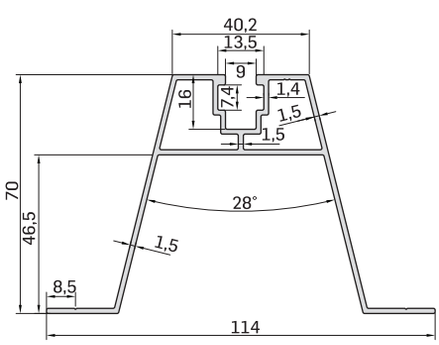
2939
Bağlantı Profili
Aluminium Nut
0,480



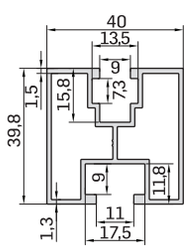
2929
Orta Tutucu Klemp
Mid Clamp
0,553



5653
Ray Profili
Rail Profile
1,106



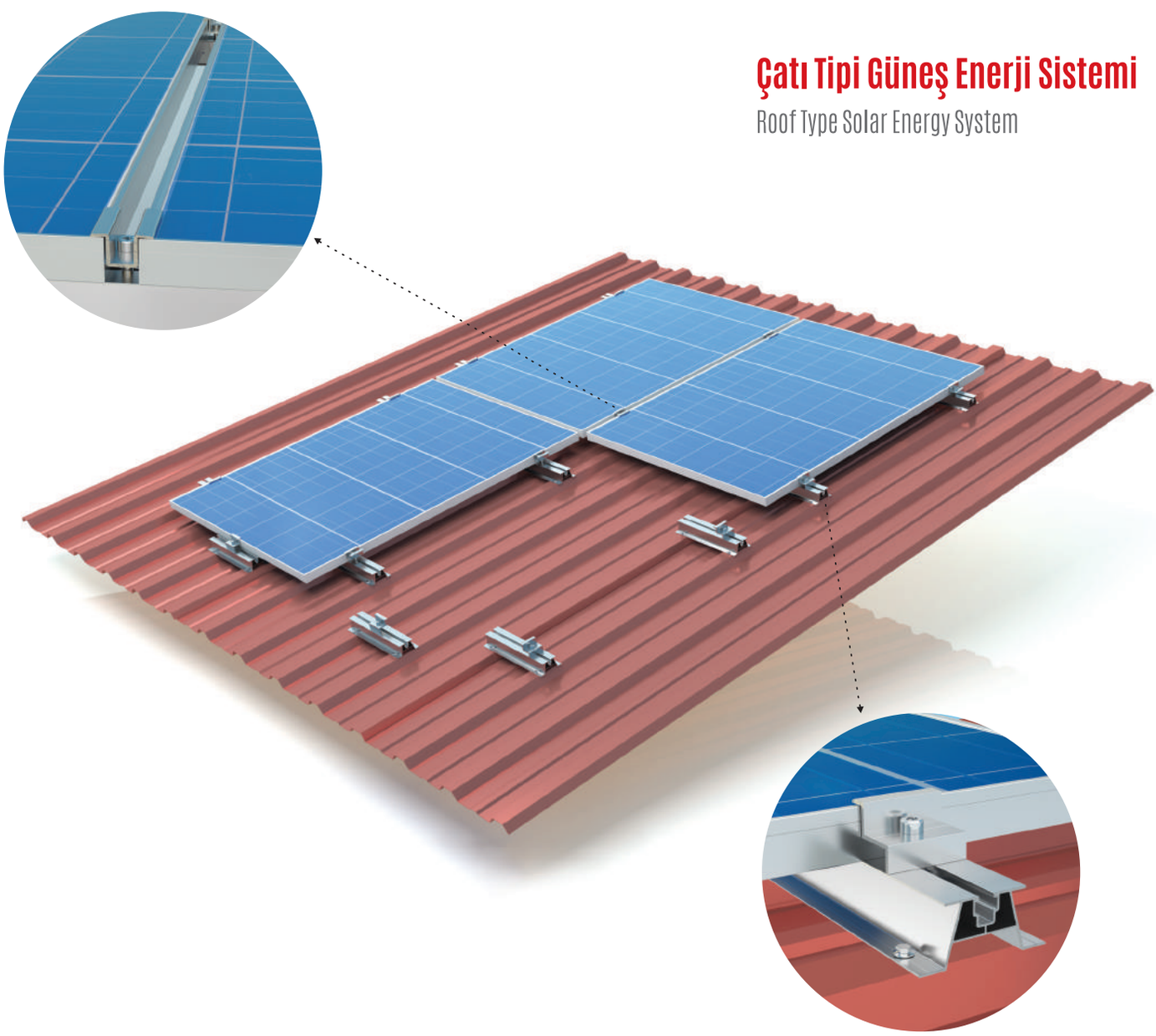
5654
Ray Profili
Rail Profile
1,266

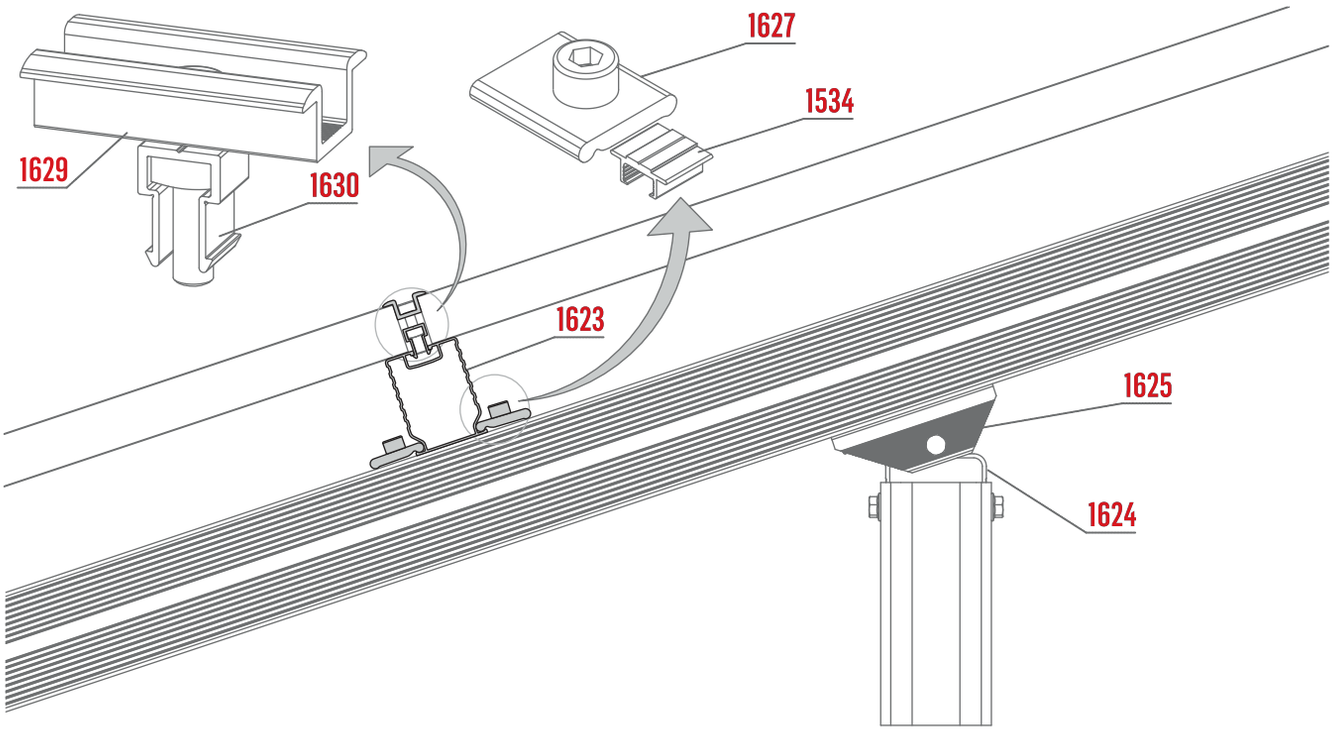


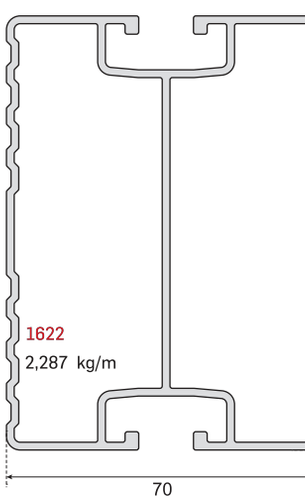
5655
Ray Profili
Rail Profile
0,870

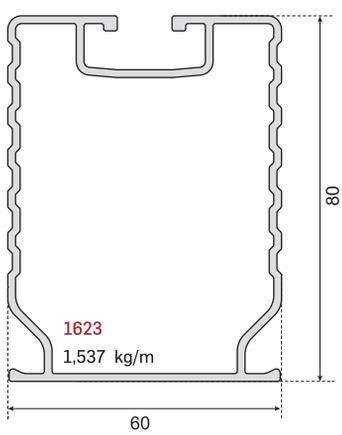
Çatı Tipi Güneş Enerji Sistemi

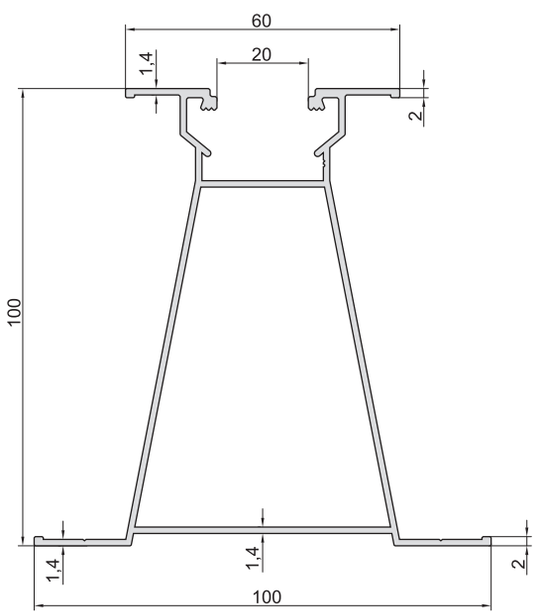
Roof Type Solar Energy System

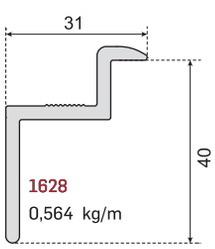


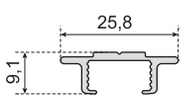

1627
1534
1629
1630
1623
1625
1624

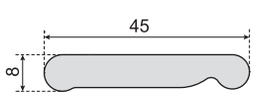

95
1622
2,287 kg/m
70

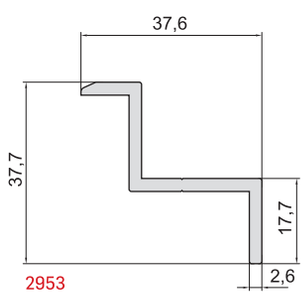

80
1623
1,537 kg/m
60

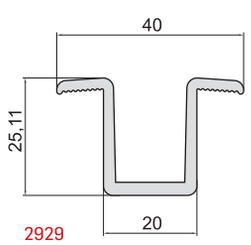

60
20
1,4
2
100
1,4
1,4
2
100
2928
1,469 kg/m

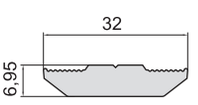

31
40
1628
0,564 kg/m

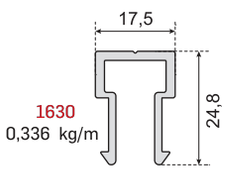

25,8
9,1
1534
0,163 kg/m

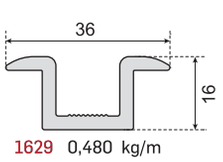

45
8
1627
0,832 kg/m

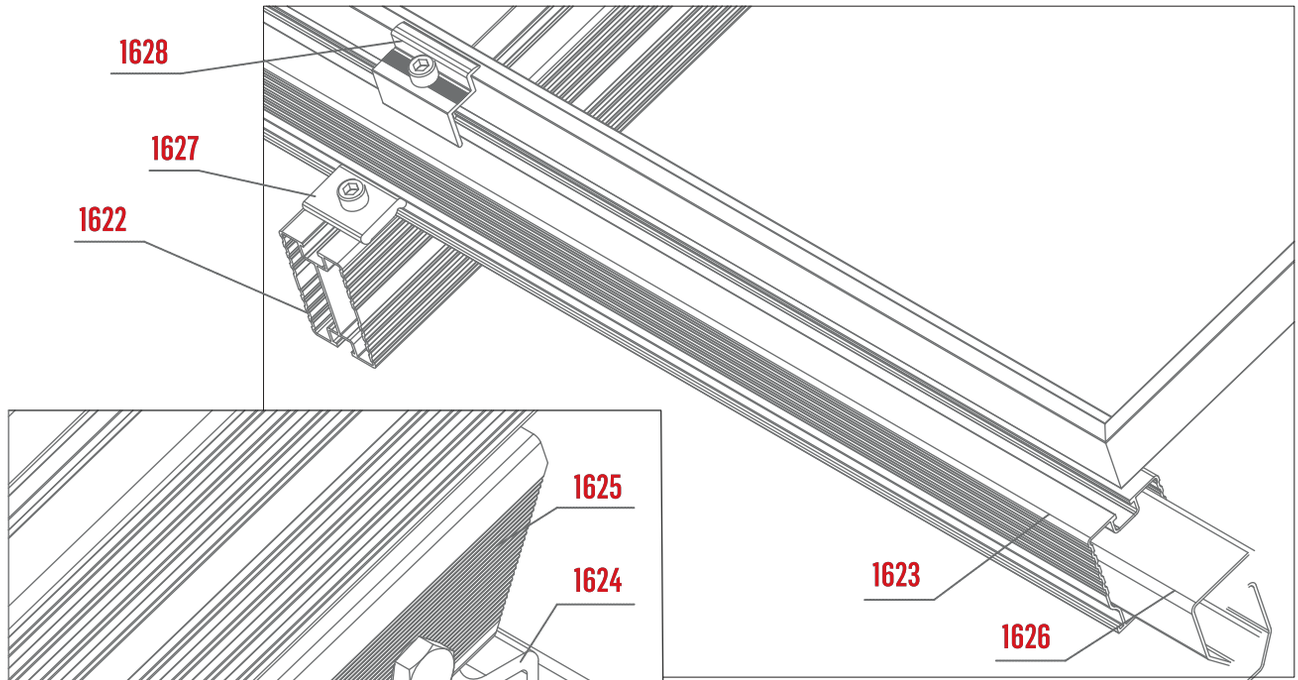

37,6
37,7
17,7
2,6
2953
0,515 kg/m

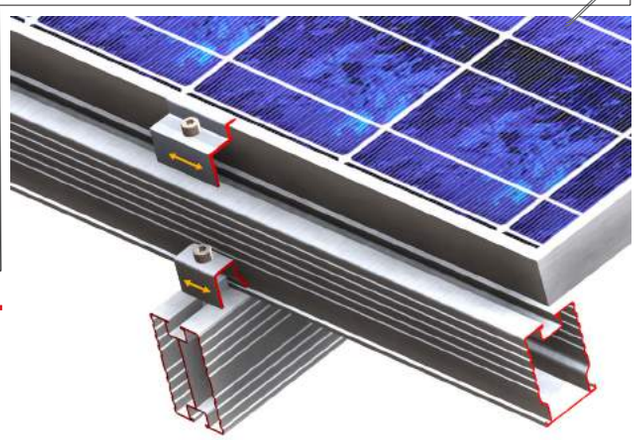

40
25,11
20
2929
0,553 kg/m

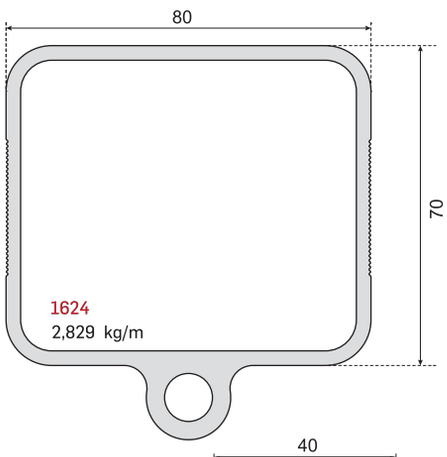

32
6,95
2939
0,480 kg/m

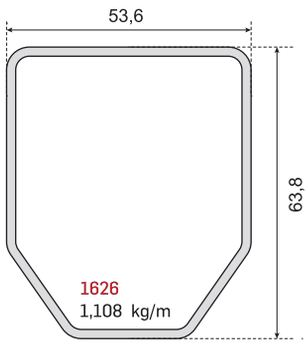

17,5
24,8
1630
0,336 kg/m

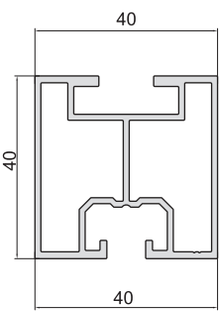

36
16
1629 0,480 kg/m



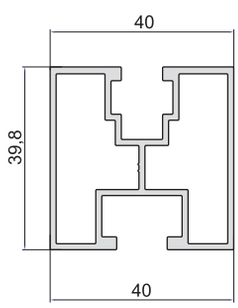




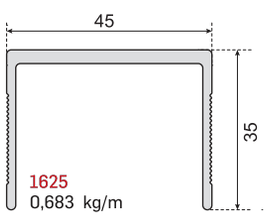


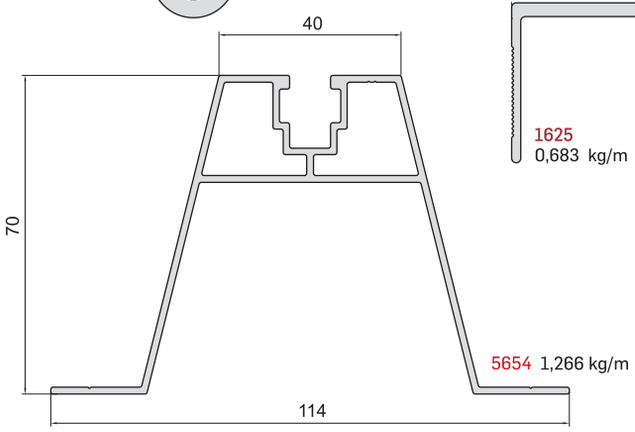


5544
0,892 kg/m

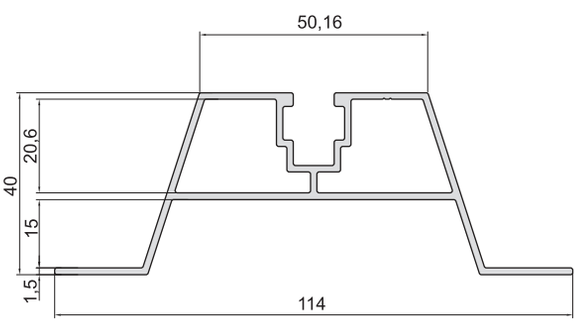


5655
0,870 kg/m





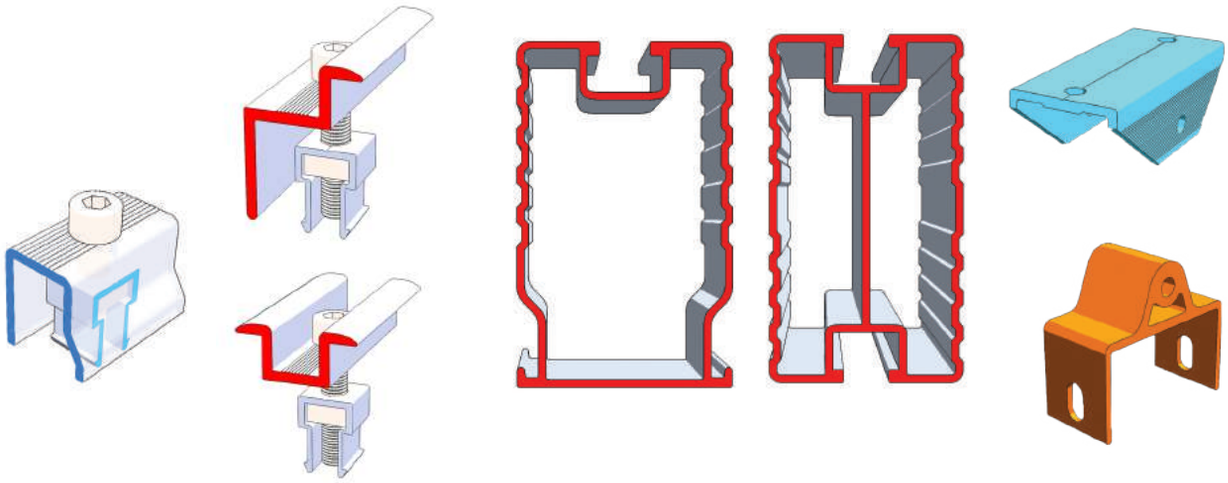
5654 1,266 kg/m



5653 1,106 kg/m

Arfen Mounting Systems, gerek bireysel ve gerekse kurumsal kullanım amaçlı birçok mimari uygulamada ve zemin üzeri uygulamalarda kolaylıkla kullanılabilmektedir. Sistem tasarımında TS 498 standart içeriğine göre yük kapasiteleri tercih edilmiştir. Bütün sitem bileşenleri EN 15088 yapı elemanları direktifleri gereğince ve EN 1090 normlarına uygun olarak EXC1 sınıfında üretilmektedir.

Arfen Mounting Systems can be easily used in many architectural applications and ground applications for both individual and corporate use. Load capacities according to TS 498 standard content are preferred in system design. All components are manufactured in EXC1 class according to the EN 15088 directives and according to EN 1090 norms.

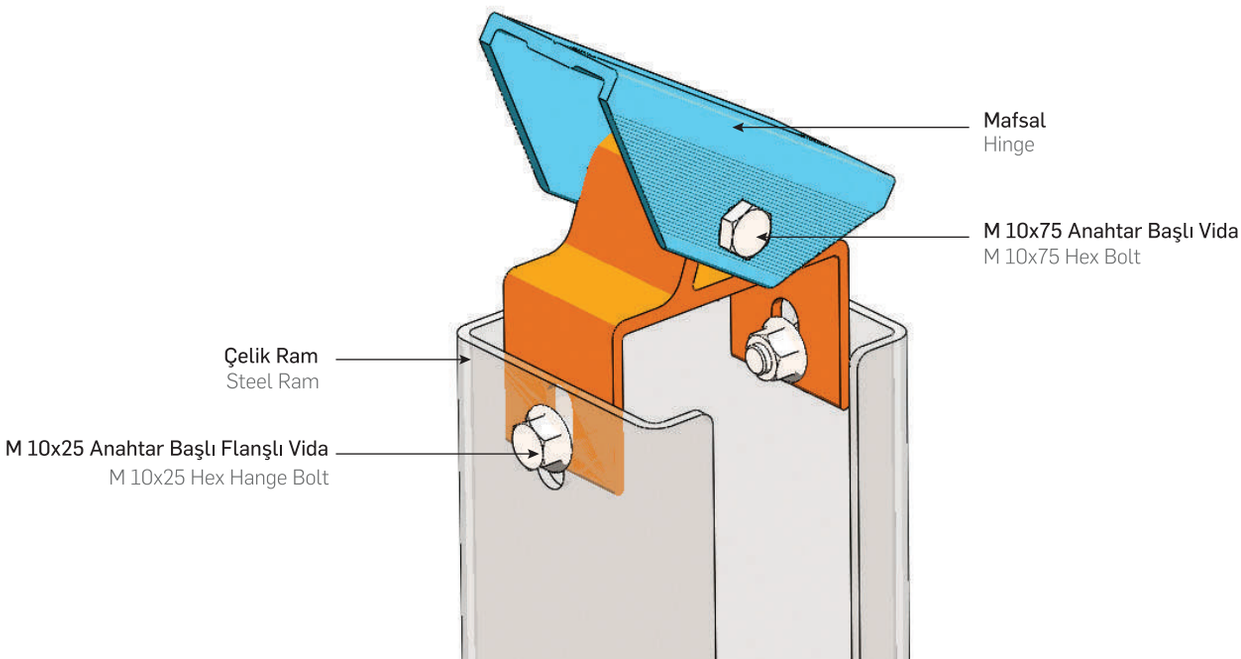


Saha montaj sistemi; Alüminyum aşık, kiriş, klamp ve mafsal elemanlarından oluşmaktadır. Tek Çelik Kazık ve Çift kazık sistemleri ile 10~45°Açı aralığında uyumludur. Aşık sistemi üniversal yapıda olması nedeni ile Çelik-Çelik (çelik kazık, Çelik kiriş) sistemler ile kullanılabilmektedir.

Saha montaj sistemi; beton ankraj ve vidalı zemin sabitleme üzerine montajı da kazık çakma kolaylığında uygulanabilmektedir.

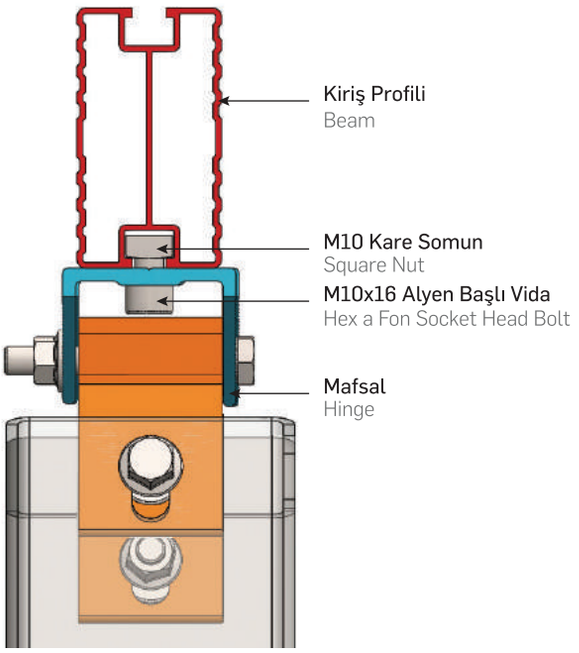
Field mounting system; Aluminum consists of beams, clamps and knuckle elements. Single steel pile and double pile systems with 10 ~ 45 ° angle compatibility. It can be used with steel-steel (steel pile, steel beam) systems due to the fact that the beam system is in a universal structure.

Field mounting system can be applied on the anchoring of concrete and fixing on screwed floor.



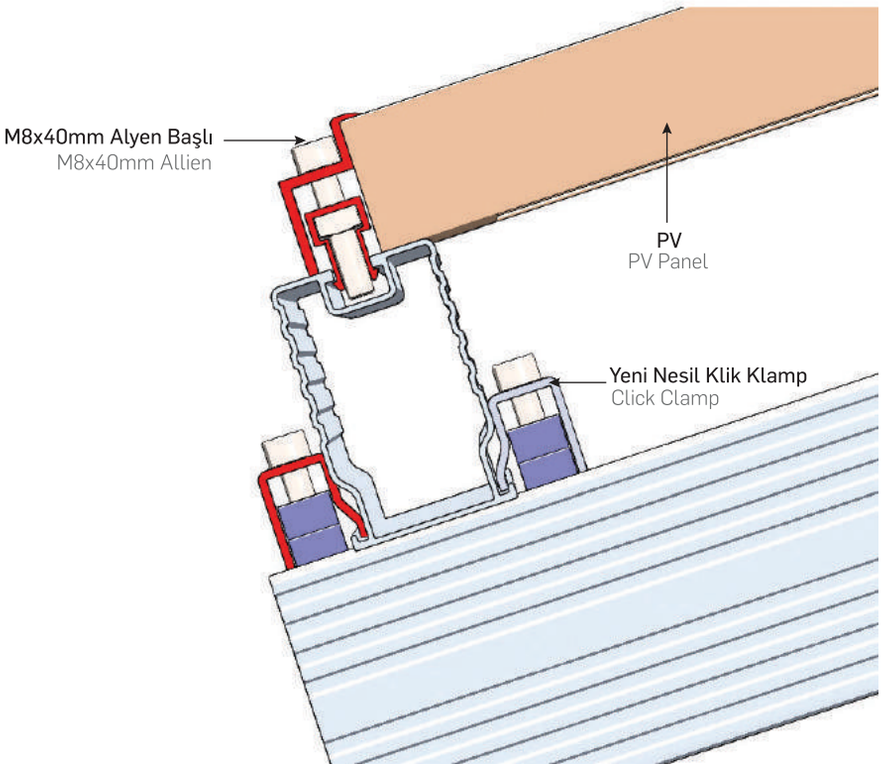
Mafsal elemanları, Çelik ram üzerine anahtar başlı vida ile bağlanmaktadır. Müşteri, tercihine göre alyen başlı sistemler kullanabilmektedir. Mafsal uygulaması için önemli detay kilitli somun gereksinimidir.

The knuckle elements are connected to the steel ram by a key-head screw. The customer can use all-in-one systems depending on his preference. The important detail for joint application is the need for lock nut.



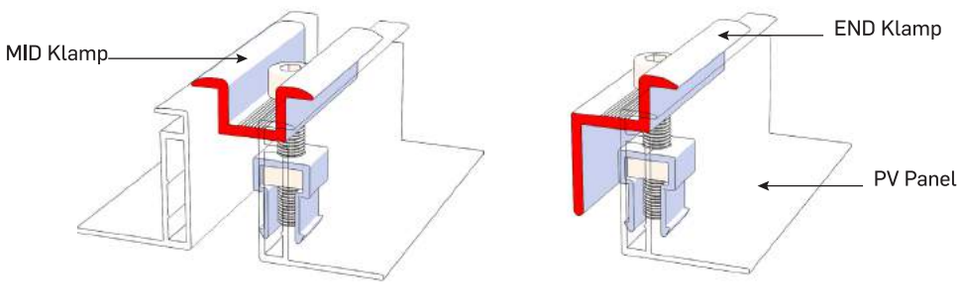
Kiriş elemanı çelik profil olarak kullanılabilmektedir. Çelik malzeme, operasyon sürelerinin ve saha nakliye masraflarının artmasına neden olacaktır. Alüminyum-Alüminyum malzeme çifti topraklama ve termal yük aktarımında avantaj sağlayacaktır.

Beam element can be used as steel profile. The steel material will lead to an increase in operation time and field transportation costs. Aluminum-Aluminum material pair will be an advantage in grounding and transferring thermal load.



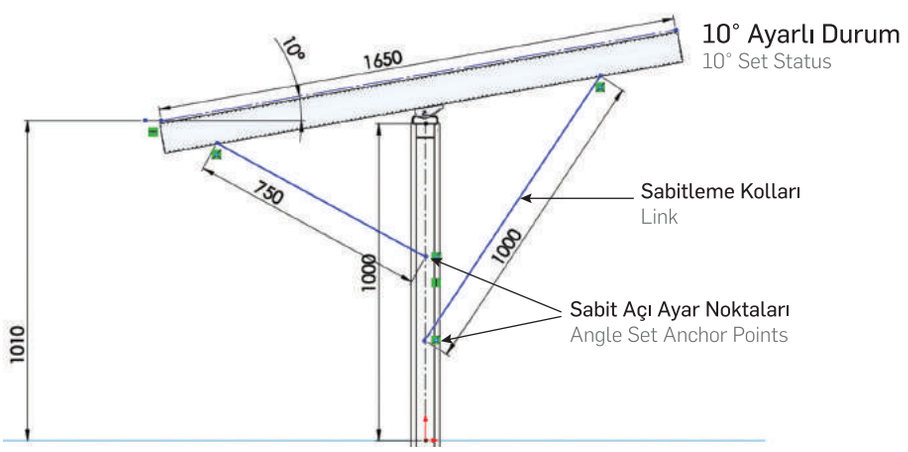
Aşık ve PV panel bağlantısında; Klik Montaj sistemi uygulanmaktadır. Bu sayede, arazi şartlarında işçilik daha düşük maliyet ve daha az teknik ekipman ile uygulanabilmektedir.

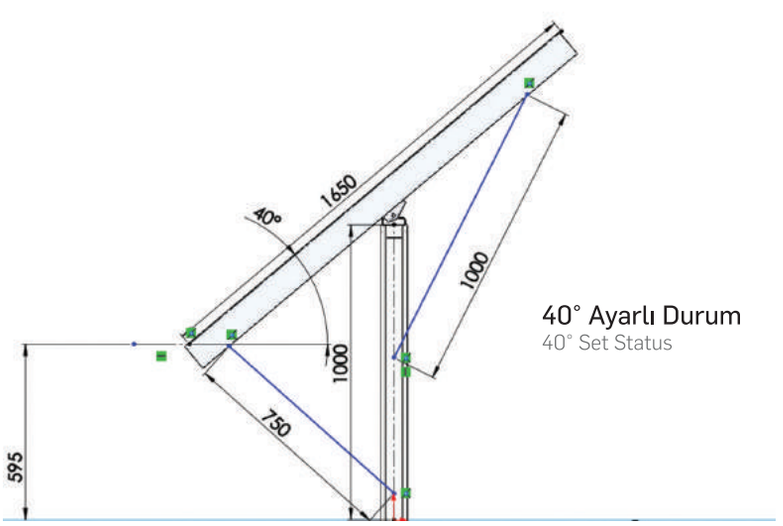
In beam and PV panel connection; Click Mounting system is applied. In this respect, workmanship in land conditions can be applied with lower cost and less technical equipment.



Saha montaj sistemi, Mevsimsel ayarlı olarak da kullanılabilmektedir. Arazi koşullarının uygun olması halinde yüksek verim elde edebilmek için mevsim geçişleri ile açı değiştirilerek daha yüksek verim elde etmek için sehpa açısı mevsim değerine ayarlanabilmektedir. Bu uygulama manuel veya mekanik destek ile sağlanabilmektedir.

Field mounting system can also be used with seasonal adjustment. If the conditions of the land are suitable, the angle of the tripod can be adjusted to the season value in order to obtain higher efficiency by changing the angle with the season transitions in order to obtain high efficiency. This application can be achieved with manual or mechanical support.





Arfen Mounting Systems, çatı mimarisine kolaylıkla uyum sağlayan ve çok düşük maliyetle, mukavim olarak uygulanma fırsatı sunmaktadır. Yük taşıyan alüminyum alaşımlı profiller kayar mafsal sistemine göre dizayn edilmiştir. Bu sayede mekanik sistemde kritik kesit alanı oluşmaz ve termal deformasyon oluşmaz.

Çatı montaj sistemi; Alüminyum aşık, kiriş, klamp ve mafsal elemanlarından oluşmaktadır. Düz ve eğimli çatılarda kaplama malzemesine direkt olarak bağlanabilmektedir. Çatı kaplama elemanı tipine göre, çatı kaplamasına delik delmeden mevcut bağlantı elemanları ile uyumlu olarak kullanılmaktadır. Bu sayede çatı sızdırmazlığında problem oluşturmaz. Aynı zamanda kaplama elemanına statik yük oluşturmaz.

Çatı montaj sistemi; çatı eğimine uyum sağlayabildiği gibi açı yükseltme gereksinimleri için gerekli ekipmanlara sahiptir. Aynı şekilde düz çatı üzerine de direkt montaj kolaylığı sunmaktadır.

Çatı üzerinde, alüminyum-alüminyum malzeme çifti ile montaj edilmesi sayesinde topraklama ve korozyon avantajı oluşmaktadır. Sistem, çatı konstrüksiyonuna direkt montaj edilmesi sayesinde kalıntı termal gerilme oluşmaz.

Arfen Mounting Systems offers a robust, cost-effective implementation that easily adapts to roof architecture. Load-bearing aluminum alloy profiles are designed according to the sliding hinge system. In this case, there is no critical section in the mechanical system and no thermal deformation occurs.

Roof mounting system; Aluminum is composed of beams, clamps and knuckle elements. It can be connected directly to the coating material in smooth and sloping gaps. According to the type of roofing element, roofing is used in accordance with the existing connecting elements without drilling holes. In this case, the roof does not leak. At the same time, it does not create a static load on the covering element.

Roof mounting system; It can adapt to the slope of the roof, as well as the necessary equipment for angle elevation requirements. Likewise, it offers direct mounting convenience on flat roofs.

The advantage of grounding and corrosion is achieved by mounting on the roof with a pair of aluminum-aluminum material. Due to the direct mounting of the system to the roof construction, residual thermal stress does not occur.