

Profil Katalođu 2020  
Profile Catalogue



**ALCAS**<sup>®</sup>  
ALUMINIUM PROFILE SYSTEMS

# CEPHE SİSTEMLERİ

## Façade Systems

*World's new profile systems*





Factory / Üretim Tesisi / Çorlu - TEKİRDAĞ



1. Press Line / 2750 US Ton 1. Pres Hattı



2. Press Line / 1800 US Ton 2. Pres Hattı



3. Press Line / 1540 US Ton 3. Pres Hattı



**ALCAS®** Çorlu - Tekirdağ'da 42.000 m2 arazi üzerinde alüminyum üretimi için özel olarak inşa edilmiş 36.000 m2 kapalı alana sahip tesise sahip olup, uzman 270 personel görev almaktadır. Tesismizde 2.750 Ton 1800 Ton ve 1540 Ton olarak 3 ekstrüzyon presi bulunmaktadır. Yıllık üretim kapasitemiz 22.000 TON olup DU 10 mm'den DU 310 mm'e kadar her türlü profil üretimi yapılabilmektedir. Yüzey işlemsiz pres profilleri 13.6 m.'ye kadar termikleme, paketleme ve sevk etme imkanı mevcuttur.

Eloksal tesismiz yıllık 11.000 ton profile eloksal yapma kapasitesine sahiptir. Eloksal banyolarımızın boyu 8 m olup net 7.60 cm. uzunluğa kadar olan profiller eloksal yapılabilmektedir. Tesismizde standart 12 mikron kaplamanın yanı sıra isteğe bağlı özel olarak 5 mikrondan 30 mikrona kadar eloksal işlemi yapılabilmektedir. Türkiye'nin en ileri teknolojisine sahip eloksal tesismizde polisajlı parlak profiller, satıneli mat profiller ile gümüş, sarı, bronz, siyah renkli eloksalları aynı anda yapmak mümkün olmaktadır. Elektrostatik boya hattımız 36 m fırın uzunluğuna ve çift boya kabineye sahip olup yıllık 7.000 ton alüminyum profilin 180 çeşit RAL renklerinin boyanabildiği hattımızda 7.80 cm. uzunluğa kadar profiller boyanabilmektedir.

Alüminyum profil sistemlerimizin tüm kalıpları fabrikamız bünyesindeki kalıphanemizde gelişmiş CNC makinelerle ve ekipmanlarla donatılmış olup yıllık kalıp üretim kapasitemiz 1.400 adettir.

Firmamızın kendi AR-GE departmanında geliştirmekte olduğu sistemlerin kalıpları, büyük bir hassasiyetle üretilmekte çeşitli test aşamalarından sonra profil üretimine girilmektedir.

Kesme, delme, bükme, çapak alma, barkodlama gibi işlemlerin yapılabildiği gelişmiş makina parkına sahip konfeksiyon hattımızda, müşterilerimizin talep ettiği her türlü profil işleme işleri yapılmakta ve isteğe uygun olarak paketlenmektedir. İmalatımız da 6063,6060 ,6061,6005, 6082 alaşımı hammaddeden F18 den F31 e kadar çeşitli sertlikte ,su soğutmalı üretim yapabilmekteyiz. Ürettiğimiz tüm ürünler DIN 12020, 12021, 12022 normlarına uygundur.

Alüminyum giydirme cephe, kapı, pencere sektöründe uzman olan firmamızın tesismizdeki üretimini %65'i kapı, pencere, cephe profilleri gibi mimari ürünlerden oluşmaktadır. Mimari ve mühendislerden oluşan 12 kişilik teknik ekibimiz yeni sistemler üretmekte, varolan sistemleri de geliştirmektedir. Tüm sistemlerimiz çeşitli deneyler ve testlerden geçirilmekte sorunsuz ürünü size ulaştırmayı hedefleyen ARGE departmanımız sizlerden gelecek her türlü talebi hızla yerine getirmeye hazırdır. Üretimimizin %67'ini başta Amerika ve Avrupa ülkeleri olmak üzere 28 ülkeye ihraç eden firmamızın yurt içinde de 300'ü aşkın bayii ve kurumsal müşteriye hizmet vermektedir. Şirketimiz birçok ülkede bulunan bağılantı ve ofislerimiz vasıtasıyla hızlı, yerel ve güvenilir hizmet sunmaktadır.

TSE, GOST, GOST-R, CE, CPTP, ISO 9001:2008, QUALONAT, QUALICOAT, IFT ROSENHEIM, ISO 18001, ISO 14001, IATF 16949, EN 15088 gibi bir çok kalite ve standartlar belgesine sahip fabrikamızın yüksek kapasitesi, profil serilerindeki geniş yelpaze ve üretim tecrübesi ile sizlere en iyi profil ve profil sistemlerini sunmaya hazırdır.

**ALCAS®** ALUMINIUM PROFILE SYSTEMS 270 qualified personnel is working in the factory which is specially built and landed on a total area of 42.000 m2 and a closed area of 36.000 m2 in Çorlu Tekirdağ. We have two extrusion presses in the factory, 2.750 UST 1800 UST and 2540 UST. The annual production capacity is 22.000 tons and all kind of profiles which have width of 10 mm to 310 mm can be produced. Max. Mill Finish surface aged to T6 profile length is 13.6 meters.

Our anodic oxidation plant has got the capacity of making 11.000 tons of profile anodic oxidation annually. The length of our anodic oxidation baths is 8 meters and there the profiles till the length of 7.60 cm net can be made anodic oxidation. In our plant besides the standard 12 micron of coating, the anodic oxidation process from 5 micron to 30 micron depending on the request can be made peculiarly. It is possible to make polished luminous profiles, satin opaque profiles and silver, yellow, bronze, black colored anodic oxidations at the same time in our anodic oxidation plant having the latest technology of Turkey. Our electrostatic paint line has got an oven length of 3x6 meters and double paint cabins and the profiles until the length of 7.80 cm can be painted in our line in which 180 kinds of RAL colors of 7.000 tons of aluminum profiles can be painted.

All the moulds of our aluminum profile systems are made with the developed CNC machine tools and equipments in our molding room present within the constitution of our factory and our annual capacity of mould production is 1.400 pieces. The molds of the systems which are developed in its own Research & Development department of our firm are produced with great precision and the profile production is started following various test stages. All kinds of profile processing works requested by our

customers are made in our confection line having the developed machinery line where the processes such as cutting, boring, bending, burr removing, bar coding can be made and are packed in conformity with the demand.

We can make water cooled production in various hardness in our production from 18 to 31 of the 6063, 6060, 6061, 6005, 6082 alloyed raw materials. All the products that we produce are in conformity with the norms of DIN 12020, 12021, 12022.55% of the production in our plant of our firm that is experienced in the aluminum curtain wall, door, window sectors consist of the architectural products such as doors, windows, face wall profiles. Our technical team of 12 persons consisted of Architectures and Engineers produce new systems and change the currently existing systems. All of our systems are being passed through various experiments and tests and our Development & Search department which aims to reach the products without any problem to you, is ready to perform any kind of demand to be received from you rapidly. Our company which exports 70% of its production to 28 countries to the European countries and USA at the first hand also has been giving service to vendors and corporate customers exceeding 300 inside the country. Our company, through our offices in many countries, and the connection fast, local and reliable service provides.

Our factory, which has got a lot of certificates of quality and standards like TSE, GOST, GOST-R, CE, CPTP, ISO, QUALONAT, QUALICOAT, IFT ROSENHEIM, ISO 18001, ISO 14001, IATF 16949, EN 15088 is ready to submit you the best profiles and profile systems along with its high capacity, its wide range at the profile series and the production experience.

Shipping and Packaging / Sevkiyat ve Paketleme



Shipping and Packaging / Sevkiyat ve Paketleme



Die Shop / Kalıphane



Mechanical Processes / Mekanik İşlemler



Electrostatic Paint Line / Elektrostatik Boya Hattı



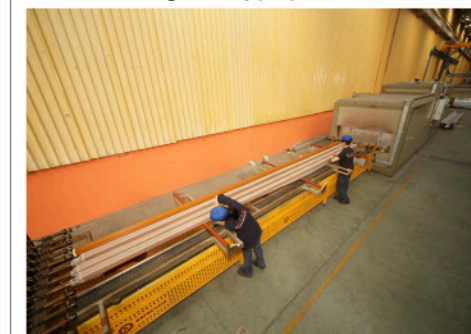
Anodizing Line / Eloksal Hattı



Die Archive / Kalıp Arşivi



Wood Coating Unit / Ahşap Kaplama Ünitesi



Mechanical Processes / Mekanik İşlemler



Project Name / Proje Adı : Uğur Plaza ve AVM  
 System / Sistem : AF50 T - AF68 SKY  
 City / Şehir : Gaziantep / TÜRKİYE

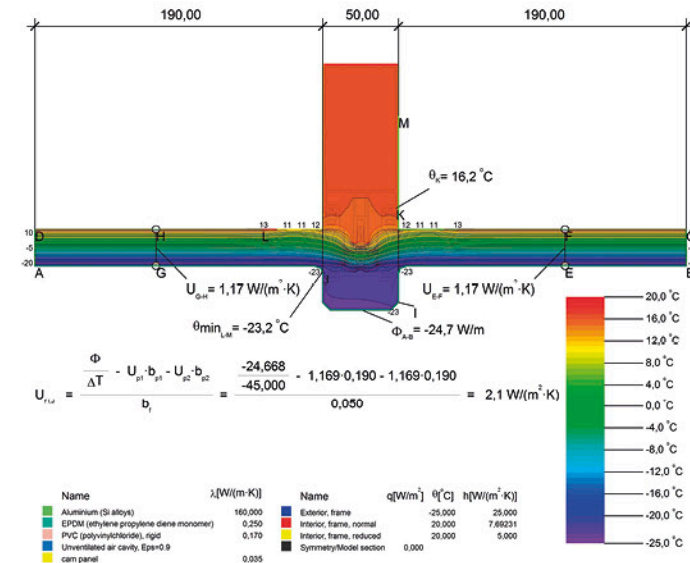


ALCAS®



# AF50 T

Thermo Glazing Facade System  
 Isı Yalıtımlı Kapaklı Cephe Sistemi



### Descriptions / Tanımlamalar

		Profile type description	
		Profil tip tanımlamaları	
<b>A</b>	Brand <b>ALCAS®</b>	Marka <b>ALCAS®</b>	
<b>F</b>	System Type <b>Facade</b>	Sistem Tipi <b>Cephe</b>	
<b>50</b>	Series Length	Seri Genişliği	
<b>R</b>	Profile Type	Profil Tipi	
<b>01</b>	Group Location	Gruptaki Yeri	
<b>M</b>	Mullion	Mulyon	
<b>T</b>	Transom	Transom	
<b>V</b>	Vent	Kanat	
<b>A</b>	Adapter	Adaptör	
<b>C</b>	Cover	Kapak	

### Symbols / Semboller

	<b>Corner block assembly with 45° cutting process</b> 45° kesim işlemi köşe takozu ile birleştirme
	<b>Milling process of merging with the vertical connection</b> Kertme işlemi dikey bağlantı ile birleştirme
	<b>Cross-sectional aspect of strength</b> Mukavemet kesit yönü

**ALCAS®** AF50 T, AF50 E sisteminin taşıyıcılarını kullanarak kapaklı sistemde yüksek ısı yalıtım değeri elde edilmiş ve sisteme özel tasarlanmış ısı bariyerleri konularak ısı geçişi önlenmiş ve sistem bu sayede zaman içinde kendi maliyetlerini çıkartacak enerji tasarrufu sağlamıştır. Sistemde kullanılan tüm aksesuarlar diğer **ALCAS®** cephe sistemleri ile uygun olup stok maliyetleri düşürülmüştür.

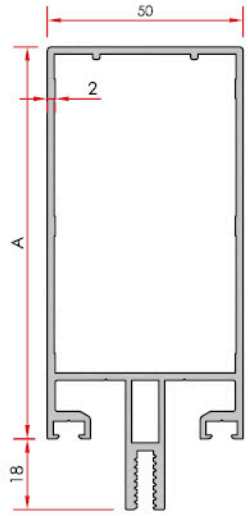
Sistem içinde sunulan farklı ölçülerdeki taşıyıcı profiller ile farklı ağırlık ve rüzgar yüklerine karşı koyabilme seçeneği sağladığı gibi aynı zamanda kendine özgü kondens kanalları sayesinde sistem içinde oluşabilecek su lar dışarı atabilmektedir.

AF50 T yatay ve düşey kapaklı sistem, düşey kapaklı-yatay silikon veya yatay kapaklı-düşey silikon çözümleri ile kendi için geniş bir ürün grubu sunmaktadır.

**ALCAS®** AF50 T series which uses the carriers of AF50 E series have a higher heat isolation value in cap covered Facade system thanks to specially designed heat isolation barriers; so that the higher cost can be amortize itself with the energy saving in time. All the accessories used in this system are proper to the other **ALCAS®** Facade systems; so that the stock costs are reduced.

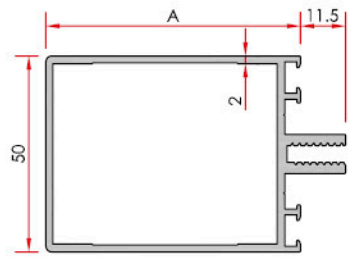
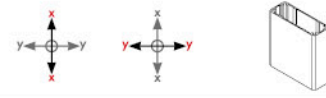
Carrier profiles in different sizes presented in this series help the user to make the correct design in different distances and against wind loads. Also the condenser channels special to this series moves the water formed in the system out.

AF50 T series has a wide range of product group like horizontal-vertical cap covered system, vertical cap covered-horizontal silicone system or horizontal cap covered-vertical silicon system.



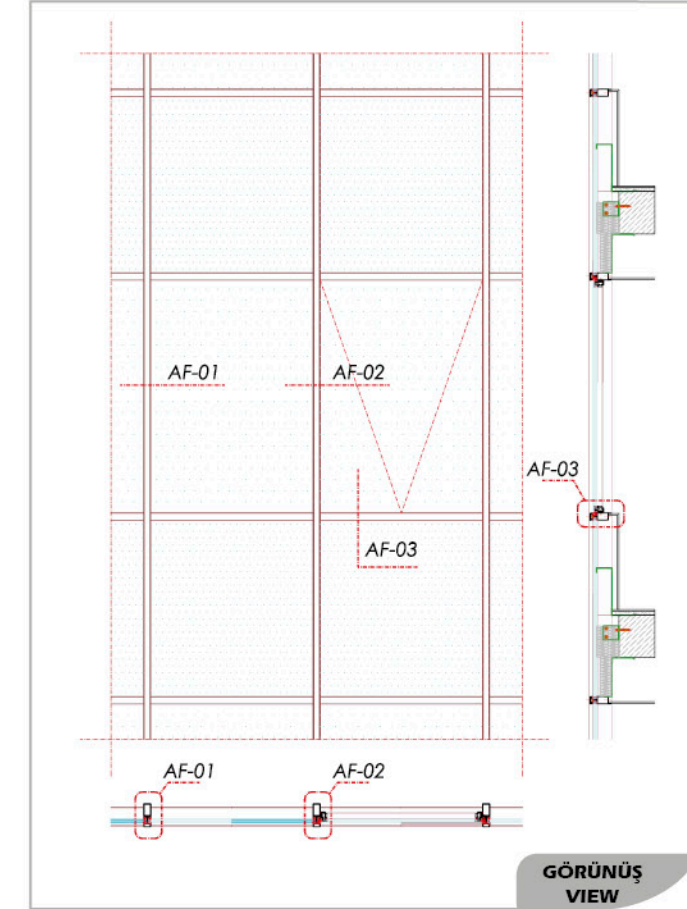
**Mullion Profiles**  
Mulyon Profilleri

A	System Code	Profile No	Weight kg/m	Jxx cm4	Jyy cm4	Dilatation Profile Dilatasyon Profili
80 mm	AF50 EM 04	0995	1.827	63.0	22.3	1032
100 mm	AF50 EM 03	1126	2.026	106.5	26.5	1031
125 mm	AF50 EM 02	1141	2.500	222.5	33.3	1030
125 mm	AF50 EM 05	1145	2.284	195.4	30.1	1030
150 mm	AF50 EM 01	1140	2.753	355.5	41.2	1088
180 mm	AF50 EM 06	1166	3.348	552.0	48.3	
200 mm	AF50 EM 07	1167	4.187	904.5	55.7	
240 mm	AF50 EM 08	0999	4.322	1210	64.5	1030

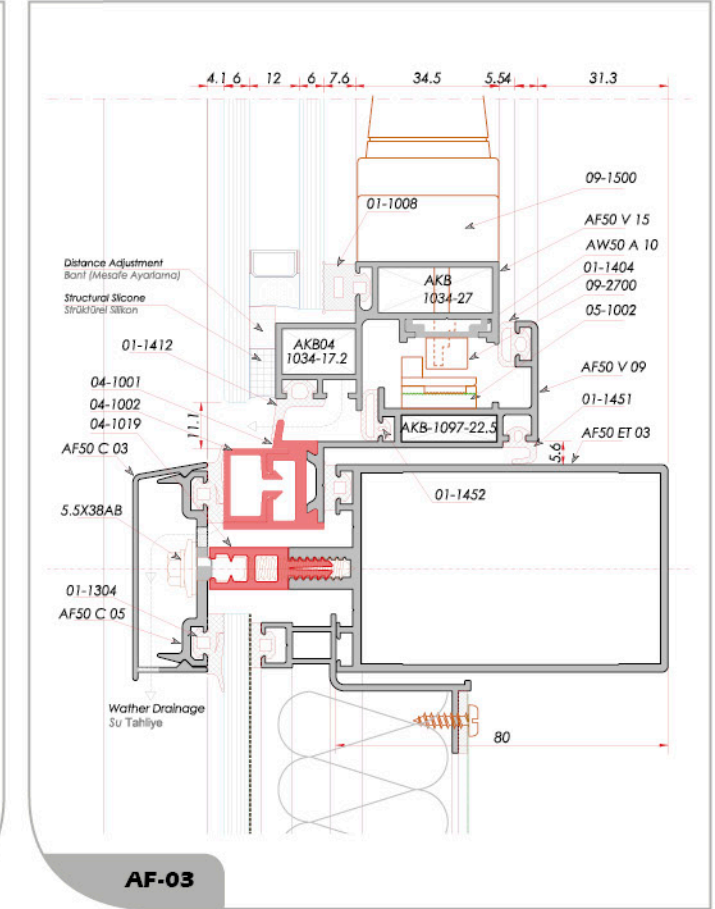


**Transom Profiles**  
Transom Profilleri

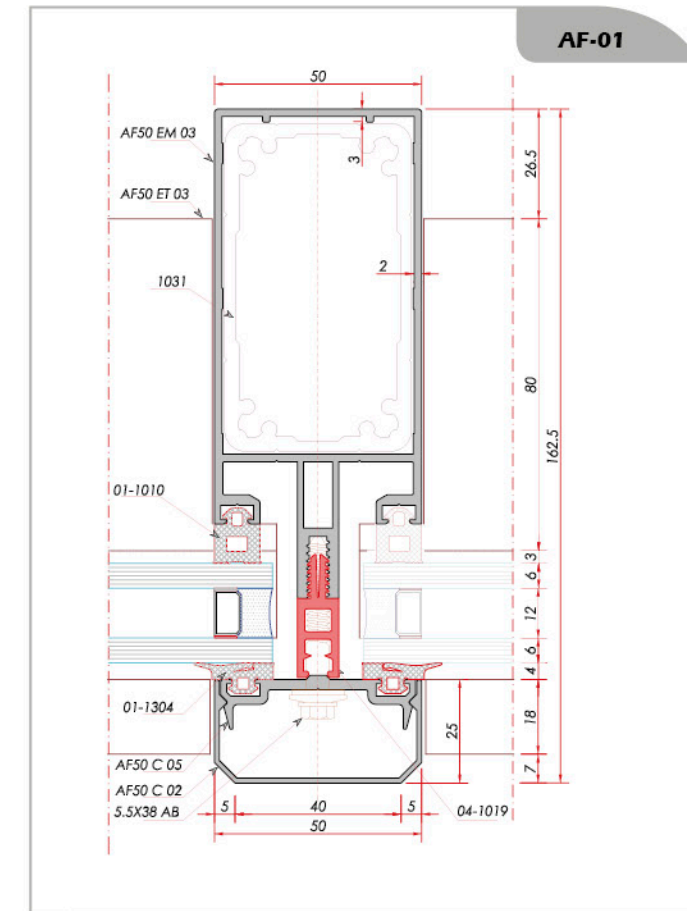
A	System Code	Profile No	Weight kg/m	Jxx cm4	Jyy cm4	Cutting Size Kesim Ölçüsü
65 mm	AF50 ET 04	1125	1.410	34.51	17.61	55 mm
80 mm	AF50 ET 03	1142	1.556	55.7	20.7	70 mm
100 mm	AF50 ET 02	1143	1.751	94.1	24.9	90 mm
125 mm	AF50 ET 01	1198	2.011	160.4	30.5	110 mm
244 mm	AF50 ET 08	1000	3.664	890	61	110 mm
106,5 mm	AF50 ET 05	1163	1.815	109.2	26.2	98 mm



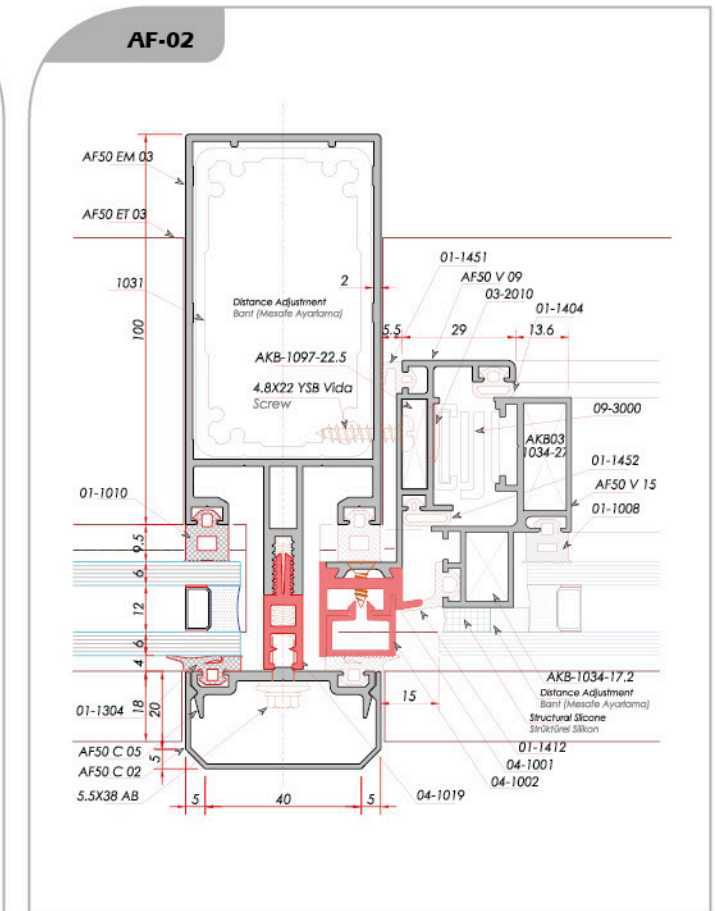
**GÖRÜNÜŞ VIEW**



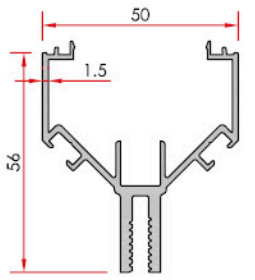
**AF-03**



**AF-01**

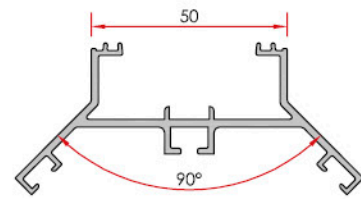


**AF-02**



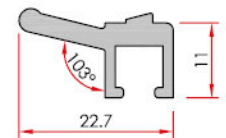
**90° External Corner Turn Adapter**  
90° Dış Köşe Dönüş Adaptörü

System Code	Profile No	Weight kg
AF50 A 16	1111	0.986



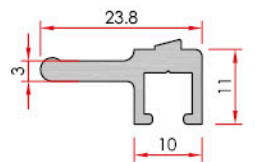
**90° Inside Corner Turn Adapter**  
90° İç Köşe Dönüş Adaptörü

System Code	Profile No	Weight kg
AF50 A 15	1113	0.930



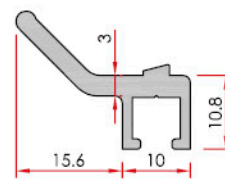
**90° Inside Corner Turn Adapter**  
90° İç Köşe Dönüş Adaptörü

System Code	Profile No	Weight kg
AF50 A 15	1113	0.930



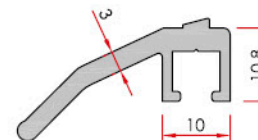
**Clip**  
Klips

System Code	Profile No	Weight kg
AF50 A 11	1107	0.294



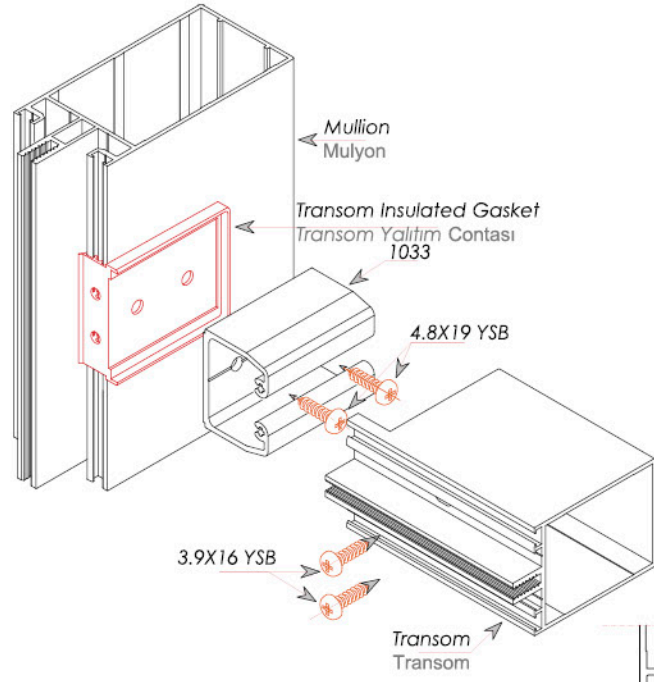
**Outside Corner Turn Clip**  
Dış Köşe Dönüş Klipsi

System Code	Profile No	Weight kg
AF50 A 13	1114	0.328

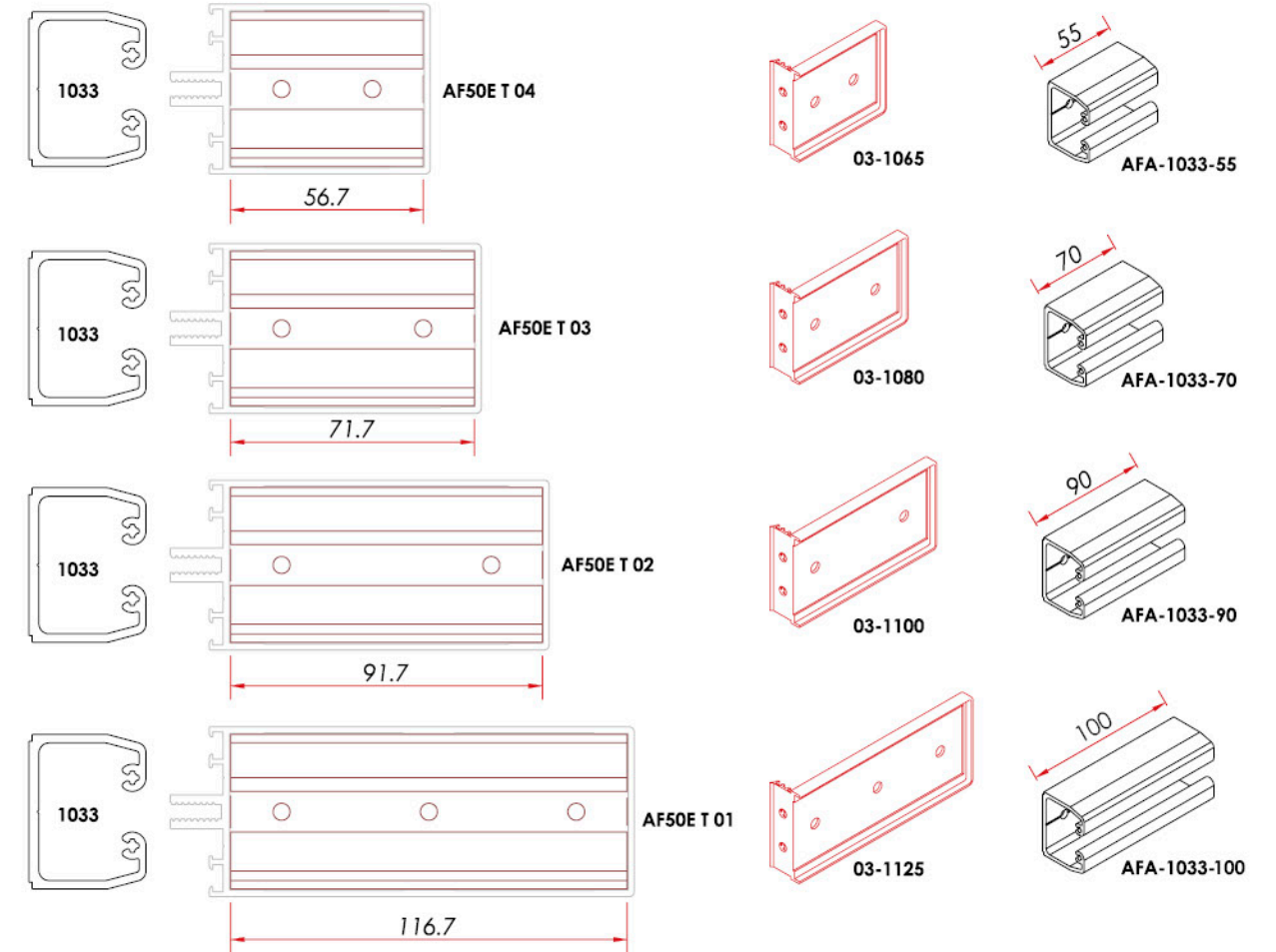
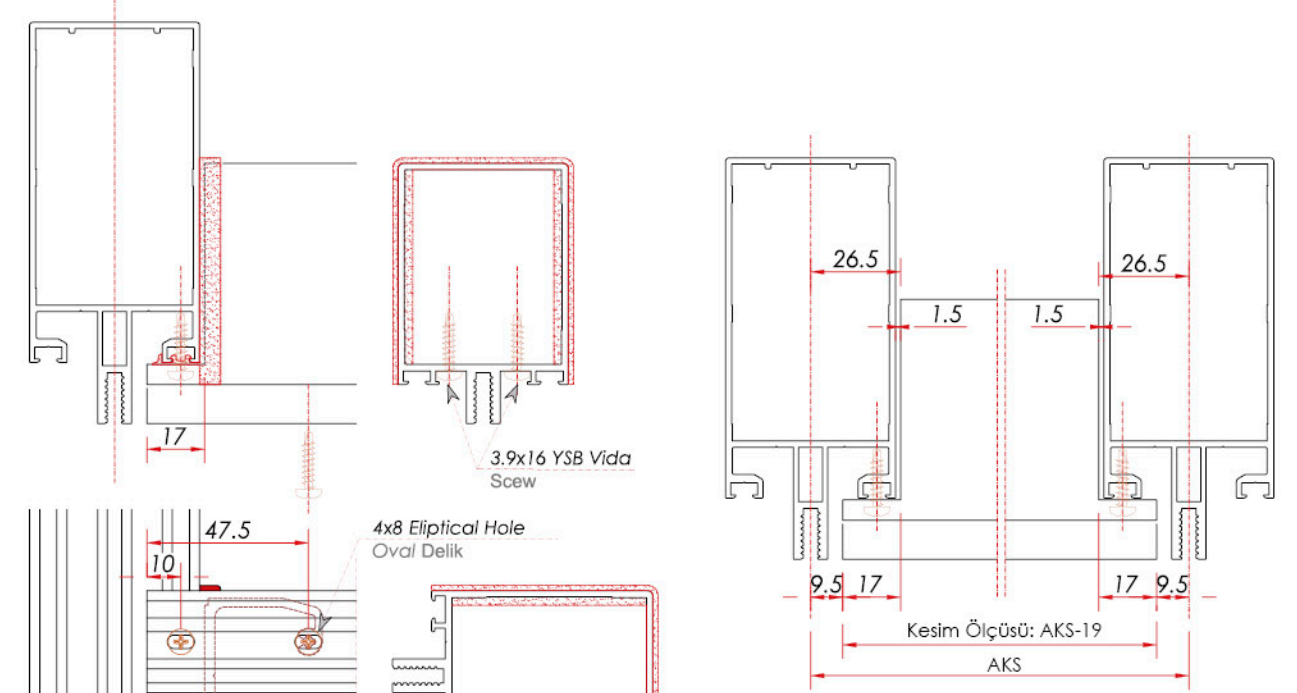
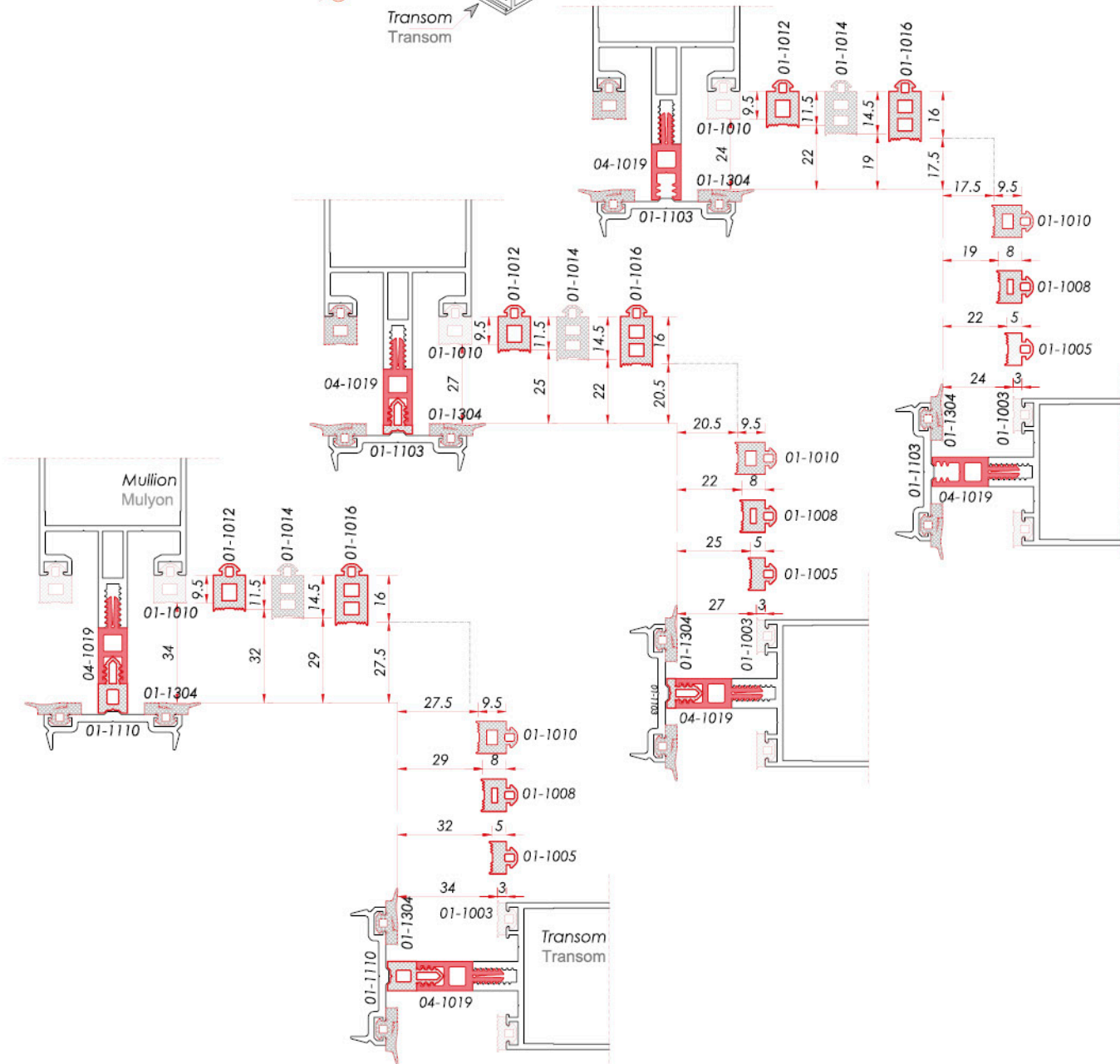


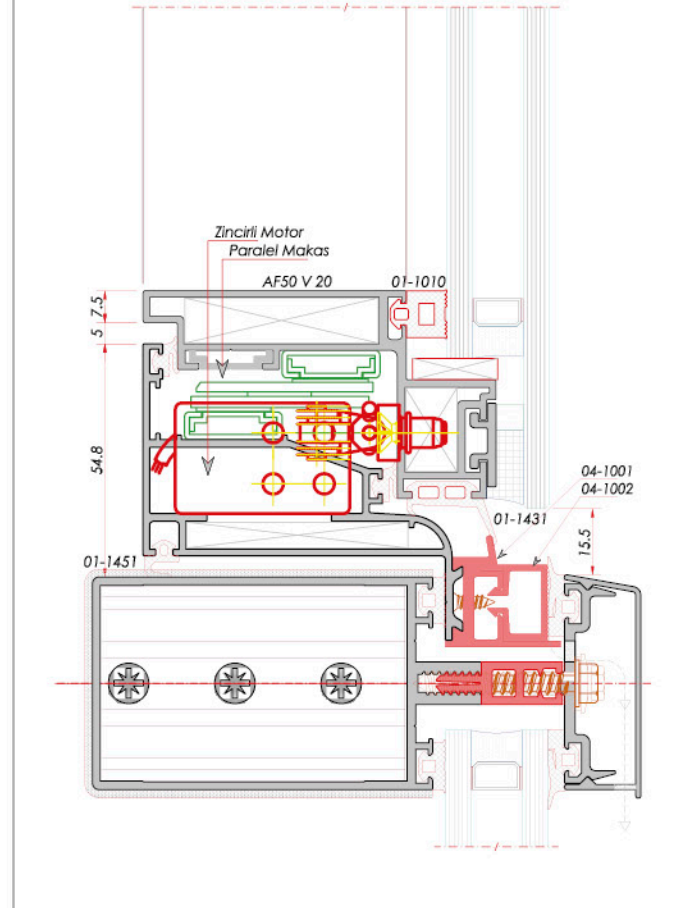
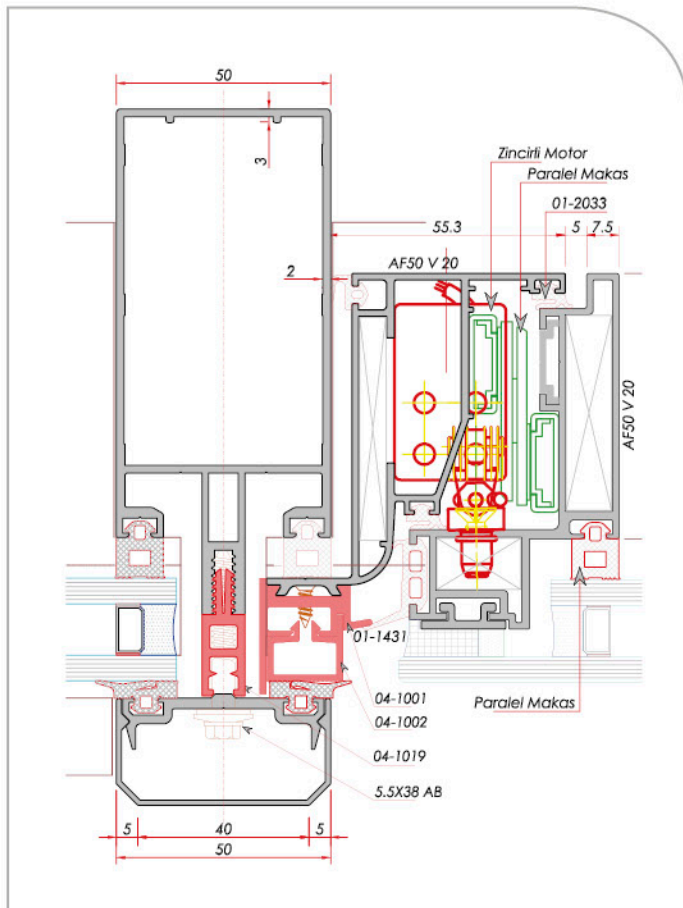
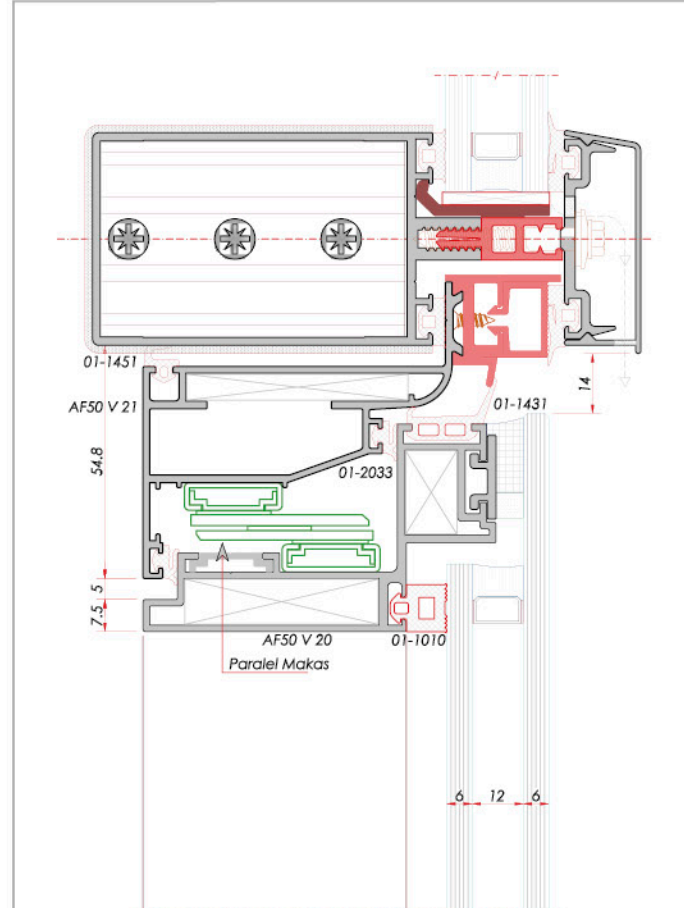
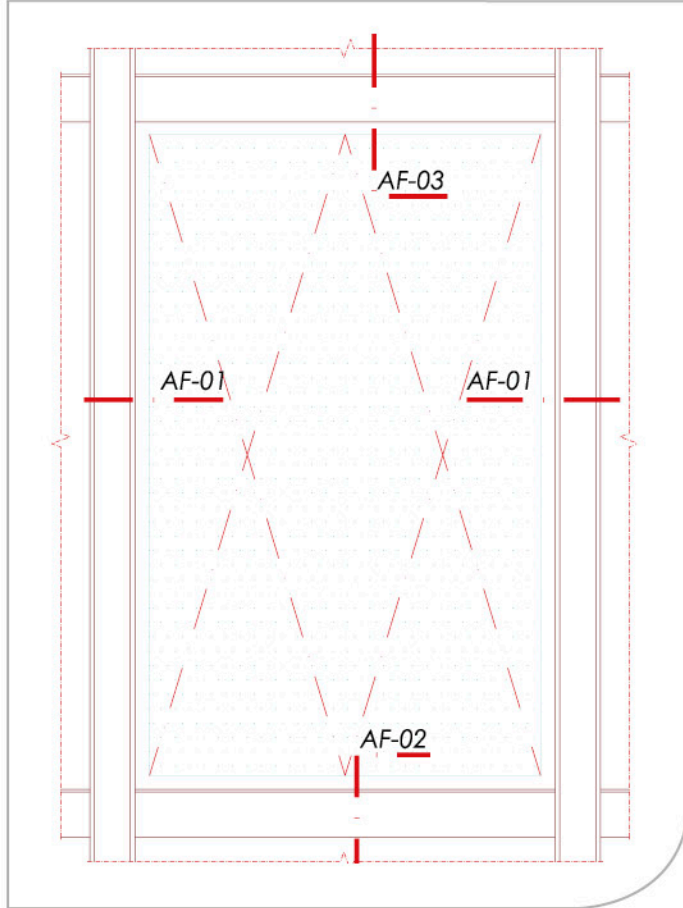
**Inside Corner Turn Clip**  
İç Köşe Dönüş Klipsi

System Code	Profile No	Weight kg
AF50 A 14	1112	0.383



**Glass Facade System Which Cover Combination**  
**Kapaklı Cephe Sistemi Fitol Cam Kombinasyonu**



**PARALLEL OPENING WING DETAIL**  
PARALEL AÇILIM KANAT DETAYI**Metal Yapı**

Metal ve Yapı Sistemleri Tic. A.Ş.

**5. DENEY SONUÇLARINA GÖRE YAPILAN REVİZYONLAR**

5.1. Deneysel numunesinde herhangi bir revizyon yapmaya gerek kalmamıştır.

**6. SONUÇ****6.1. Sonuçlar**

	ŞARTLAR	SONUÇLAR		SINIFLANDIRMA
<b>HAVA SIZDIRMAZLIĞI EN 12152</b>	600 Pa < 1,5 m <sup>3</sup> /h,m <sup>2</sup>	Pozitif Basınç	1,03	A4
	600 Pa < 1,5 m <sup>3</sup> /h,m <sup>2</sup>	Negatif Basınç	0,92	A4
<b>HAVA SIZDIRMAZLIĞI EN 12152</b>	600 Pa < 0,5 m <sup>3</sup> /h,m	Pozitif Basınç	0,40	A4
	600 Pa < 0,5 m <sup>3</sup> /h,m	Negatif Basınç	0,36	A4
<b>SU SIZDIRMAZLIĞI EN 12154</b>	600 Pa' da su sızıntısı olmayacak	1200 Pa' da su sızıntısı görülmedi		RE 1200
<b>RESISTANCE TO WIND LOAD EN 13116</b>	Sehim < 14,1 mm	OK (max. 8,2 mm)		OK
	Güvenli yükte hasar olmayacak	Pozitif ve Negatif basınçta hasar gözlenmedi		

**Metal Yapı**

Metal ve Yapı Sistemleri Tic. A.Ş.

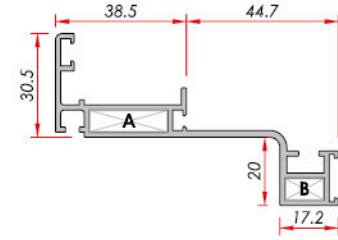
TEST LABORATÖRÜ

Oktay USTA  
Laboratuvar Şefi

**ALCAS®**

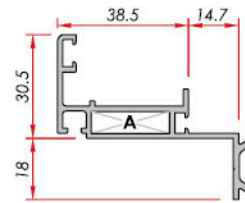


» **GENERAL PROFILES & ACCESSORIES**  
GENEL PROFİLLER VE AKSESUARLAR



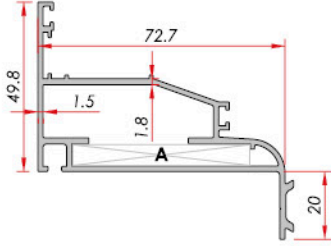
**Hidden Wing Frame**  
Gizli Kanat Kasa Panel

System Code	Profile No	Weight kg
AF50 V 03	1022	1.008
A	AKB-1097-22	
	AKB-1097-10	



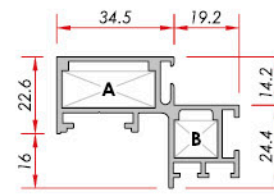
**Hidden Wing Frame**  
Gizli Kanat Kasa

System Code	Profile No	Weight kg
AF50 V 09	1096	0.706
A	AKB-1097 - 22	
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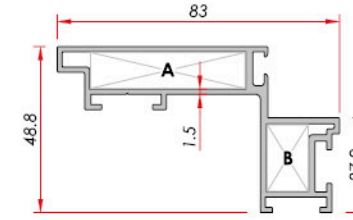
**Hidden Wing Frame**  
Gizli Kanat Kasa Panel

System Code	Profile No	Weight kg
AF50 V 21	1171	1.201
A	AKB-1097-51	
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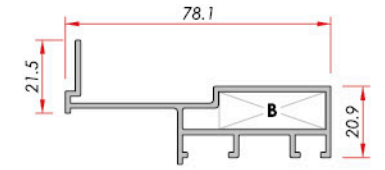
**Bonding Lath Narrow Glass Panel (Vent)**  
Bonding Çıtalı Dar Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 16	1049	0.883
A	AKB-1034-26	
	AKB-1034-12	



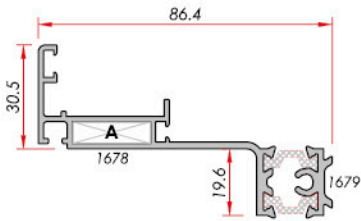
**Bonding Lath Glass Panel (Sash)**  
Bonding Çıtalı Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 20	1172	1.235
A	AKB-1034-45	
	AKB-1730-11	



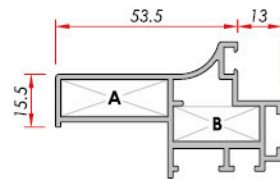
**Composite Panel**  
Kompoze Panel

System Code	Profile No	Weight kg
AF50 V 13	1149	0.825
A	---	
	AKB-1034-30	



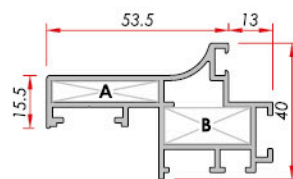
**Hidden Wing Frame**  
Gizli Kanat Kasa Panel

System Code	Profile No	Weight kg
AF50 V 22	1679-1678	1.303
A	AKB-1097 - 22	
	---	



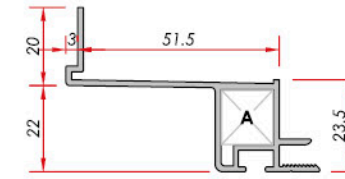
**Glazing Panel (Vent)**  
Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 01	1010	0.998
A	AKB-1034-30	
	AKB-1034-24	



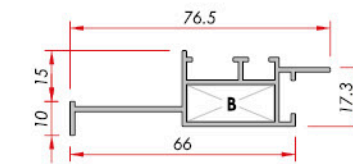
**Glazing Panel (Vent)**  
Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 14	1150	1.020
A	AKB-1097-30	
	AKB-1034-24	



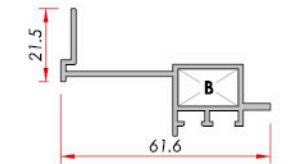
**Composite Panel**  
Kompoze Panel

System Code	Profile No	Weight kg
AF50 V 18	1197	0.635
A	AKB-1328-12	
	---	



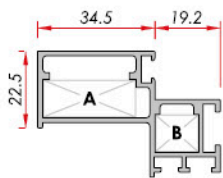
**Composite Panel**  
Kompoze Panel

System Code	Profile No	Weight kg
AF50 V 08	1087	0.635
A	---	
	AKB-1034-24	



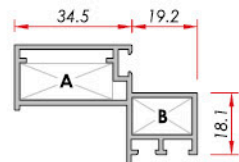
**Composite Panel**  
Kompoze Panel

System Code	Profile No	Weight kg
AF50 V 11	1121	0.583
A	---	
	AKB-1034-16	



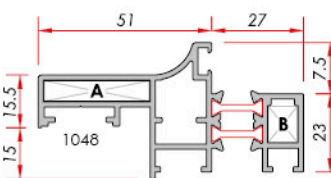
**Glazing Panel (Vent)**  
Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 12	1131	0.805
A	AKB-1034-26	
	AKB-1034-12	



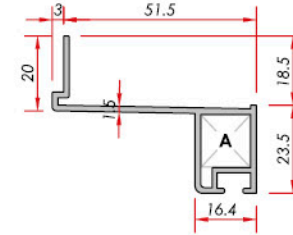
**Glazing Panel (Vent)**  
Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 07	1085	0.702
A	AKB-1034-26	
	AKB-1034-16	



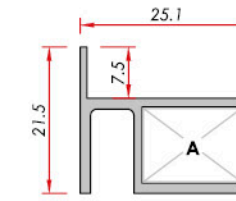
**Narrow Glass Panel (Vent)**  
Dar Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 19	1024-1048	1.382
A	AKB-1097-30	
	AKB-1034-8	



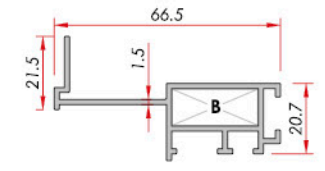
**Single Glass Panel**  
Tek Cam Paneli

System Code	Profile No	Weight kg
AF50 V 17	1196	0.570
A	AKB-1328-12	
	---	



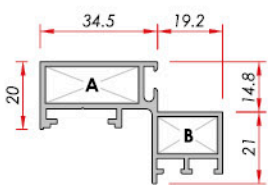
**Single Glass Panel**  
Tek Cam Paneli

System Code	Profile No	Weight kg
AF50 V 10	1109	0.309
A	AKB-1034-14	
	---	



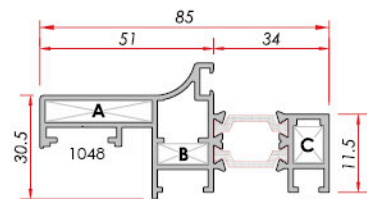
**Spandrel Panel**  
Spandrel Paneli

System Code	Profile No	Weight kg
AF50 V 02	1045	0.723
A	---	
	AKB-1034 - 24	



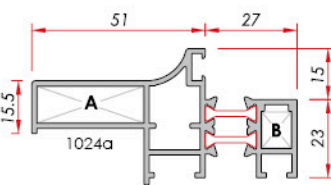
**Narrow Glass Panel (Vent)**  
Dar Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 15	1151	0.772
A	AKB-1034-26	
	AKB-1034-16	



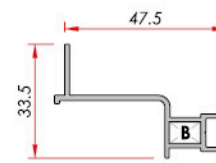
**Insulated Glazing Panel (Sash)**  
Yalıtımlı Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 23	1024-1048	1.457
A	AKB-1097-30	
	AKB-1097-14	
	AKB-1034-8	



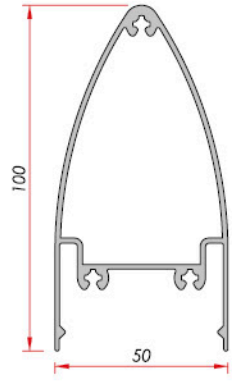
**Insulated Glazing Panel (Sash)**  
Yalıtımlı Cam Paneli (Kanat)

System Code	Profile No	Weight kg
AF50 V 05	1024-1024a	1.210
A	AKB-1034 - 30	
	AKB-1097 - 8	



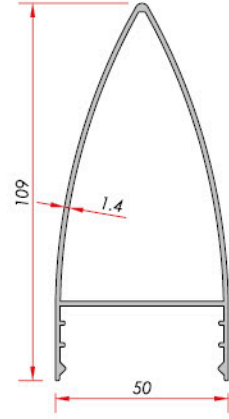
**Spandrel Panel**  
Spandrel Paneli

System Code	Profile No	Weight kg
AF50 V 04	1023	0.408
A	---	
	AKB-1097 - 8	



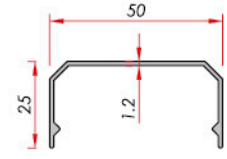
Cover  
Badem Kapak

System Code	Profile No	Weight kg
AF50 C 01	1015	1.365



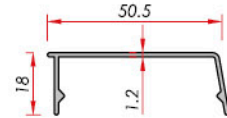
Cover  
Badem Kapak

System Code	Profile No	Weight kg
AF50 C 10	1184	1.100



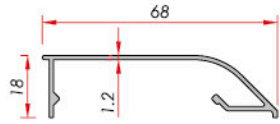
Cover  
Dikey Kapak

System Code	Profile No	Weight kg
AF50 C 02	1016	0.330



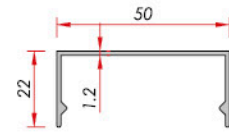
Cover  
Yatay Kapak

System Code	Profile No	Weight kg
AF50 C 03	1017	0.294



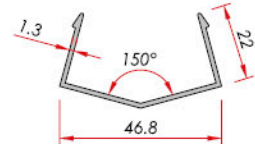
Skylight Cover  
Skylight Kapak

System Code	Profile No	Weight kg
AF50 C 04	1018	0.385



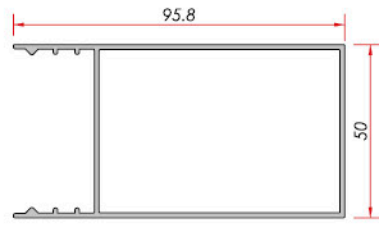
Cover  
Dikey Kapak

System Code	Profile No	Weight kg
AF50 C 07	1046	0.326



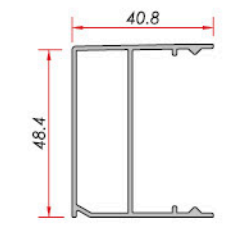
Cover  
Kapak

System Code	Profile No	Weight kg
AF50 C 09	1068	0.333



Cover  
Dikey Kapak

System Code	Profile No	Weight kg/m
AF50 C 12	1173	1.107



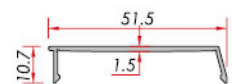
Cover  
Yatay Kapak

System Code	Profile No	Weight kg/m
AF50 C 13	1174	0.615



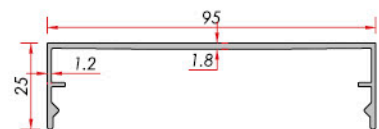
Cover  
Dikey Kapak

System Code	Profile No	Weight kg/m
AF50 C 15	1175	0.260



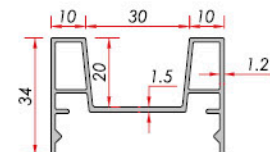
Cover  
Yatay Kapak

System Code	Profile No	Weight kg
AW50 C 16	1177	0.255



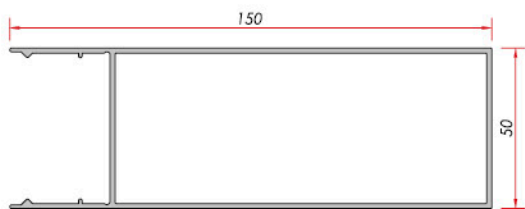
Cover  
Dikey Kapak

System Code	Profile No	Weight kg
AF50 C 18	1178	0.670



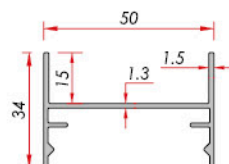
Cover  
Fugalı Kapak

System Code	Profile No	Weight kg
AF50 C 19	2057	0.630



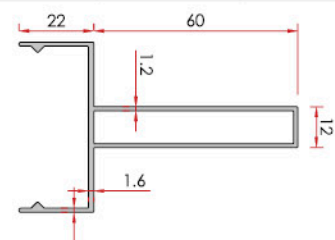
Cover  
Kapak

System Code	Profile No	Weight kg
AW50 C 20	1199	1.768



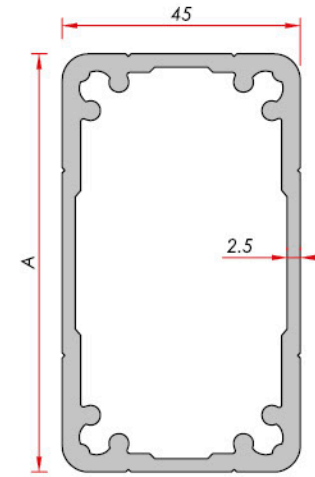
Cover  
Fugalı Kapak

System Code	Profile No	Weight kg
AW50 C 21	1879	0.485



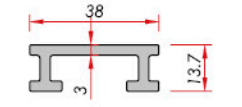
Cover  
Dikey Kapak

System Code	Profile No	Weight kg
AW50 C 28	5102	0.814



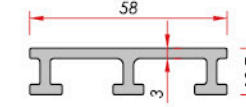
2 mm Mullion Dilatation  
2 mm Mulyon Dilatasyon

A	System Code	Profile No	Weight kg/mt	Jxx cm4	Jyy cm4	Mullion Profile Mulyon Profili
59.5 mm	1032	1032	1.905	34.5	21.0	AF50 M 03 AF50 M 1803 AF50 EM 04 AF50 MH 03
79 mm	1031	1031	2.238	70.9	26.4	AF50 M 02 AF50 M 1802 AF50 MH 04 AF50 EM 03
103.5 mm	1030	1030	2.508	133.8	31.1	AF50 M 01 AF50 M 1801 AF50 EM 02 AF50 MH 01
128 mm	1088	1088	2.851	226.8	36.6	AF50 M 09 AF50 EM 01 AF50 MH 05



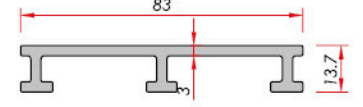
Half Mullion Dilatation  
Yarım Mulyon Dilatasyon

System Code	Profile No	Weight kg
1027	1027	0.586



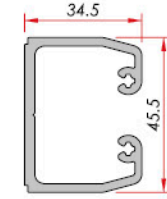
Half Mullion Dilatation  
Yarım Mulyon Dilatasyon

System Code	Profile No	Weight kg
1028	1028	0.889



Half Mullion Dilatation  
Yarım Mulyon Dilatasyon

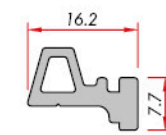
System Code	Profile No	Weight kg
1029	1029	1.086



Mullion Dilatation  
Mulyon Dilatasyon

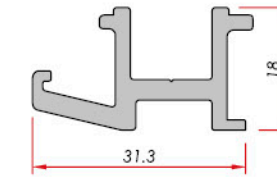
System Code	Profile No	Weight kg
1033	1033	1.059

Cutting Size Kesim Ölçüsü	25 mm	40 mm	55 mm	70 mm	90 mm	95 mm	100 mm	110 mm	145 mm
Transom Profile Transom Profili	AF 50 T 04 AF50 TH 05	AF50 LM 02 AF50 M 1804	AF50 T 03 AF50 T 08 AF50 ET 04 AF50 TH 01 AF50 M 1803	AF50 T 02 AF50 ET 03 AF50 TH 02 AF50 LM 01 AF50 M 1802	AF50 T 01 AF50 ET 02 AF50 TH 03	AF50 T 06	AF50 M 1801	AF50 T 07 AF50 ET 01 AF50 TH 04 AF50 M 1801	AF50 T 09



Panel Assembling Clips  
Kaset montaj Klipsi

System Code	Profile No	Weight kg
1282	1282	0.215



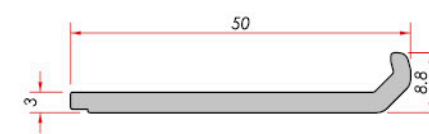
Panel Assembling Wedge  
Kaset Montaj Takozu

System Code	Profile No	Weight kg
4417	4417	0.525



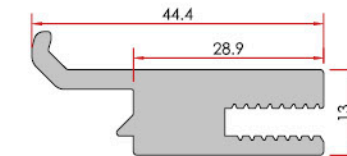
Glass Wedge  
Cam Takozu

System Code	Profile No	Weight kg
1026	1026	0.269



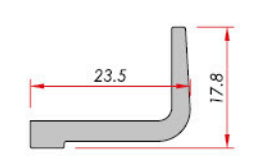
Glass Wedge  
Cam Takozu

System Code	Profile No	Weight kg
1680	1680	0.442



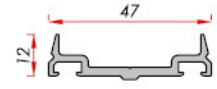
Glass Wedge  
Cam Takozu

System Code	Profile No	Weight kg
0991	4417	1.027



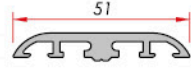
Glass Wedge  
Cam Takozu

System Code	Profile No	Weight kg
1101	1101	0.284



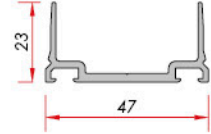
**Cover**  
Baskı Kapak

System Code	Profile No	Weight kg
AF50 C 05	1019	0.438



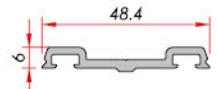
**Skylight Cover**  
Skylight Baskı Kapak

System Code	Profile No	Weight kg
AF50 C 06	1020	0.531



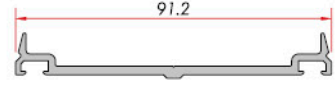
**Cover**  
Baskı Kapak

System Code	Profile No	Weight kg
AF50 C 11	1183	0.516



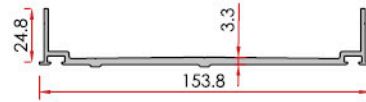
**Cover**  
Baskı Kapak

System Code	Profile No	Weight kg/m
AF50 C 14	1176	0.400



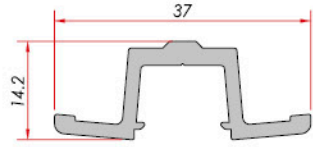
**Cover**  
Baskı Kapak

System Code	Profile No	Weight kg/m
AF50 C 17	1179	0.747



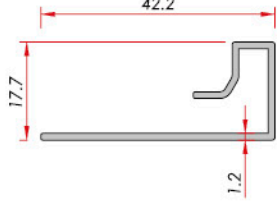
**Cover**  
Baskı Kapak

System Code	Profile No	Weight kg/m
AF50 C 22	1180	1.571



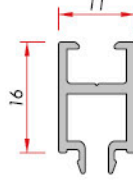
**Cover**  
Derz Kapak Profili

System Code	Profile No	Weight kg/m
AF50 A 05	1025	0.365



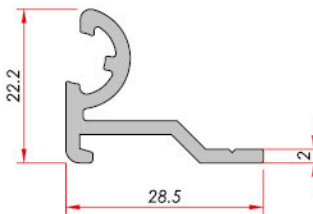
**Dilatation Profile**  
Dilatasyon Kapak

System Code	Profile No	Weight kg
AF50 A 02	1042	0.265



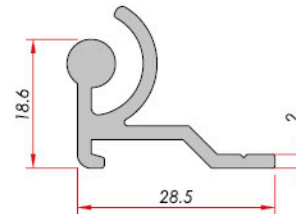
**Single Glass Bead**  
Tek Cam Çıtası

System Code	Profile No	Weight kg
AF50 A 03	1021	0.184



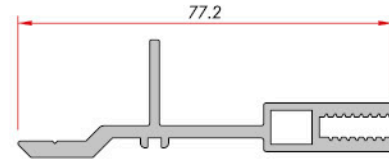
**Corner**  
Köşe Dönüş Dış

System Code	Profile No	Weight kg
AF50 A 06	1040	0.347



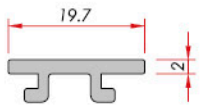
**Corner**  
Köşe Dönüş İç

System Code	Profile No	Weight kg
AF50 A 07	1041	0.350



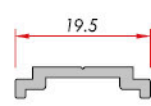
**Half Mullion Adapter**  
Yarım Mulyon Adaptörü

System Code	Profile No	Weight kg
AF50 A 01	1011	1.030



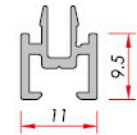
**Bonding Bead**  
Bonding Çıtası

System Code	Profile No	Weight kg/m
AF50 A 08	1043	0.154



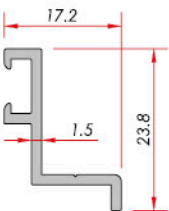
**Stem**  
Tij

System Code	Profile No	Weight kg
AF50 A 10	1375	0.126



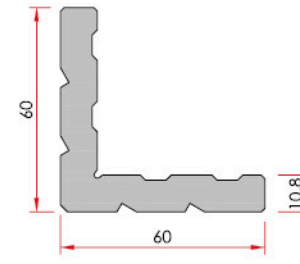
**Single Glass Bead**  
Tek Cam Çıtası

System Code	Profile No	Weight kg
AF50 A 12	1106	0.141



**Adaptor**  
Adaptör

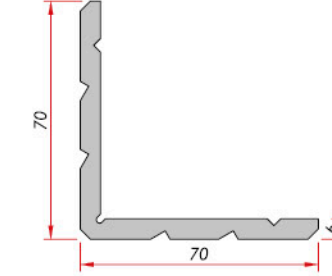
System Code	Profile No	Weight kg/m
AF50 A 17	1182	0.182



**Corner Cleat**  
Köşe Takozu

System Code	Profile No	Weight kg
1034	1034	2.967

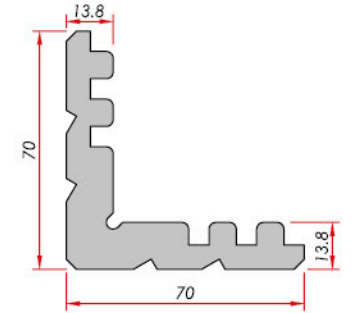
Accessory Code	Profile Code	Cutting Size
AKB-1034-8.5	AF50 V 05 (1024) AF50 V 19 (1024) AF50 V 23 (1024)	8.5 mm
AKB-1034-12.5	AF50 V 16 (1049) AF50 V 12 (1131)	12.5 mm
AKB-1034-14.4	AF50 V 10 (1109)	14.4 mm
AKB-1034-17.2	AF50 V 15 (1151) AF50 V 07 (1085) AF50 V 11 (1121)	17.2 mm
AKB-1034-25	AF50 V 01 (1010) AF50 V 02 (1045) AF50 V 08 (1087) AF50 V 14 (1150)	25 mm
AKB-1034-27	AF50 V 15 (1151) AF50 V 16 (1049) AF50 V 07 (1085) AF50 V 12 (1131)	27 mm
AKB-1034-31	AF50 V 01 (1010) AF50 V 05 (1024) AF50 V 13 (1149)	31 mm
AKB-1034-45.5	AF50 V 20 (1172)	45.5 mm



**Corner Cleat**  
Köşe Takozu

System Code	Profile No	Weight kg
1097	1097	2.032

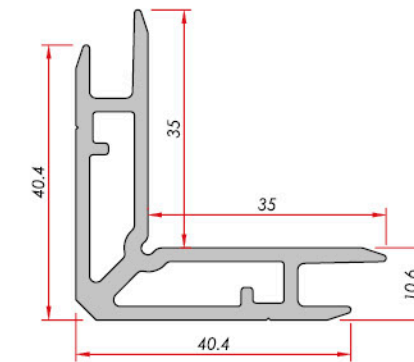
Accessory Code	Profile Code	Cutting Size
AKB-1097-9	AF50 V 04 (1023)	9 mm
AKB-1097-11	AF50 V 03 (1022)	11 mm
AKB-1097-14.5	AF50 V 01 (1010) AF50 V 23 (1048)	14.5 mm
AKB-1097-22.5	AF50 V 03 (1022) AF50 V 09 (1096) AF50 V 22 (1678)	22.5 mm
AKB-1097-31	AF50 V 14 (1150) AF50 V 19 (1048) AF50 V 23 (1048)	31 mm
AKB-1097-52	AF50 V 21 (1171)	52 mm



**Corner Cleat**  
Köşe Takozu

System Code	Profile No	Weight kg
1328	1328	3.865

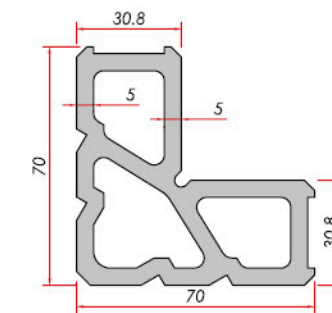
System Code	Profile No	Cutting Size
AKB-1028-13	AF50 V 17 (1196) AF50 V 18 (1197)	13 mm



**Corner Cleat**  
Köşe Takozu

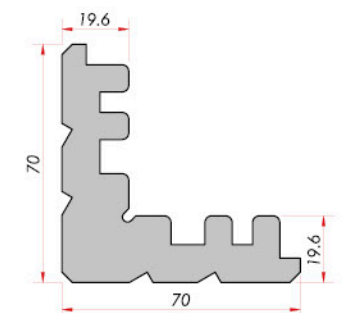
System Code	Profile No	Weight kg
1297	1297	1.031

System Code	Profile No	Cutting Size
AKB-1034-12.5	AF50 V 16 (1049)	12.5 mm
AKB-1034-17.2	AF50 V 15 (1151) AF50 V 11 (1121)	17.2 mm
AKB-1034-27	AF50 V 15 (1151) AF50 V 16 (1049)	27 mm



**Corner Cleat**  
Köşe Takozu

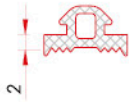
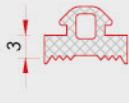
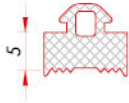
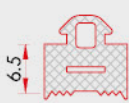

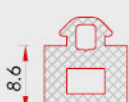
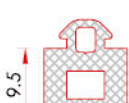

System Code	Profile No	Weight kg
1329	1329	4.388

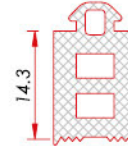
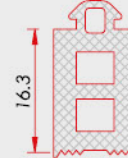
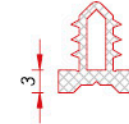
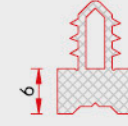
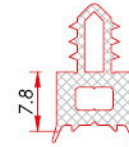
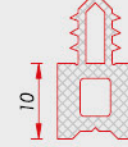
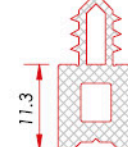
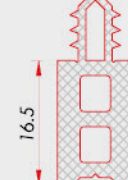


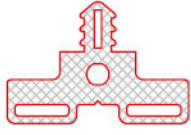
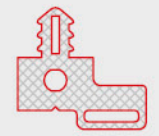
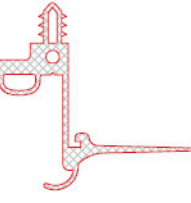


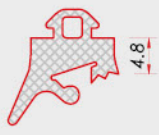

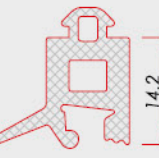
**Corner Cleat**  
Köşe Takozu

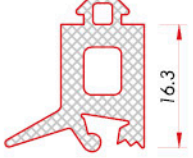



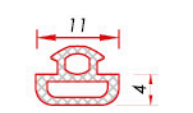

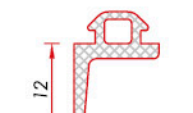
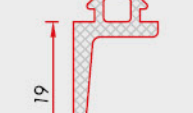
System Code	Profile No	Weight kg
1730	1730	5.531

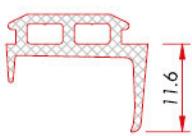



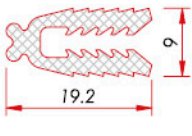
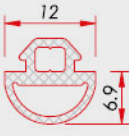
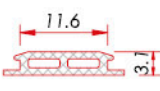
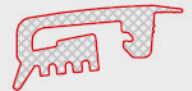
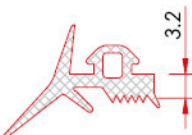
System Code	Profile No	Cutting Size
AKB-1730-12	AKB-1730-12	12 mm


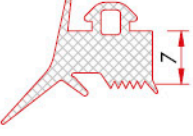



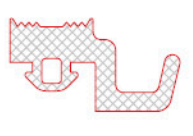
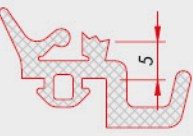
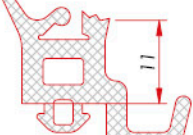

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1002		325-350 mt/Koli
01-1003		250 mt/Koli
01-1005		200 mt/Koli
01-1007		165 mt/Koli
01-1008		120 mt/Koli
01-1009		130 mt/Koli
01-1010		120 mt/Koli
01-1012		117 mt/Koli

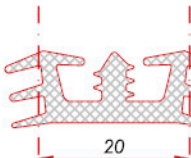
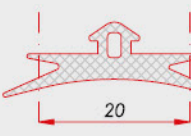
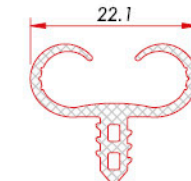

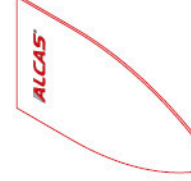


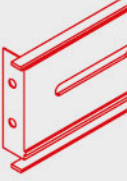
CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1014		83 mt/Koli
01-1016		75 mt/Koli
01-1103		230 mt/Koli
01-1106		145 mt/Koli
01-1108		135 mt/Koli
01-1110		125 mt/Koli
01-1111		100 mt/Koli
01-1117		75 mt/Koli

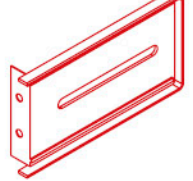
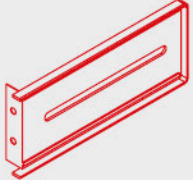
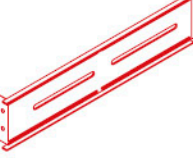
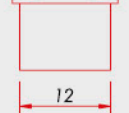
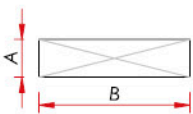
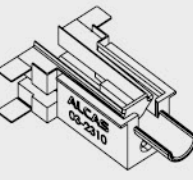
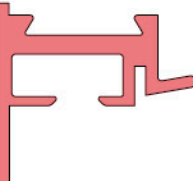
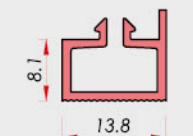
CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1120		70 mt/Koli
01-1121		85 mt/Koli
01-1122		58 mt/Koli
01-1203		215 mt/Koli
01-1211		95 mt/Koli
01-1215		130 mt/Koli
01-1258		125 mt/Koli
01-1264		80 mt/Koli

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1266		75 mt/Koli
01-1303		230 mt/Koli
01-1304		150 mt/Koli
01-1314		150 mt/Koli
01-1404		230-270 mt/Koli
01-1410		115 mt/Koli
01-1412		215 mt/Koli
01-1419		175 mt/Koli

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1431		150 mt/Koli
01-1450		270 mt/Koli
01-1451		450 mt/Koli
01-1452		250 mt/Koli
01-1453		150 mt/Koli
01-1454		175 mt/Koli
01-1457		365 mt/Koli
01-1460		115 mt/Koli
01-1503		155 mt/Koli

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
01-1505		115 mt/Koli
01-1507		95 mt/Koli
01-1510		100 mt/Koli
01-1512		75 mt/Koli
01-1514		65 mt/Koli
01-1605		90 mt/Koli
01-1615		95 mt/Koli
01-1621		65 mt/Koli
01-2033		375 mt/Koli

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
02-1001		50 mt/Koli
02-1002		100 mt/Koli
02-1101		50 mt/Koli
03-1002		Transom Insulation Gasket Transom Yalıtım Contası 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
03-1003		Side Coverings Badem Kapak Yan Kapamaları 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
03-1004		Side Coverings Badem Kapak Yan Kapamaları 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
03-1065		65mm Transom Dilatation Gasket 65 mm Transom Genleşme Contası 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
03-1080		80 mm Transom Dilatation Gasket 80 mm Transom Genleşme Contası 1 Pack Contains 50 Pieces 1 Pakette 50 Adet

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA																												
03-1100		100 mm Transom Dilatation Gasket 100 mm Transom Genleşme Contası 1 Pack Contains 50 Pieces 1 Pakette 50 Adet																												
03-1128		128 mm Transom Dilatation Gasket 128 mm Transom Genleşme Contası 1 Pack Contains 50 Pieces 1 Pakette 50 Adet																												
03-1244		244 mm Transom Dilatation Gasket 244 mm Transom Genleşme Contası 1 Pack Contains 50 Pieces 1 Pakette 50 Adet																												
03-2010		12 mm Installation cap 12 mm Montaj Tapası 1 Pack Contains 100 Pieces 1 Pakette 100 Adet																												
03-2082 03-2084 03-2202 03-2203 03-2205 03-2252 03-2253 03-2255 03-2282 03-2283 03-2285		<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>A</th> <th>B</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>8</td> <td>3</td> <td>25</td> </tr> <tr> <td>4</td> <td>8</td> <td>5</td> <td>25</td> </tr> <tr> <td>2</td> <td>20</td> <td>2</td> <td>28</td> </tr> <tr> <td>3</td> <td>20</td> <td>3</td> <td>28</td> </tr> <tr> <td>5</td> <td>20</td> <td>5</td> <td>28</td> </tr> <tr> <td>2</td> <td>25</td> <td></td> <td></td> </tr> </tbody> </table>	A	B	A	B	2	8	3	25	4	8	5	25	2	20	2	28	3	20	3	28	5	20	5	28	2	25		
A	B	A	B																											
2	8	3	25																											
4	8	5	25																											
2	20	2	28																											
3	20	3	28																											
5	20	5	28																											
2	25																													
03-2310		Gutter Çörten 1 Pack Contains 25 Pieces 1 Pakette 25 Adet																												
04-1001		Concealed Vent PVC Frame Exterior Gizli Kanat Kasa Plastiği Dış Order Length: 3 mt Sipariş Boyu 3 mt																												
		Concealed Vent PVC Frame Exterior Gizli Kanat Kasa Plastiği Dış Order Length: 3 mt Sipariş Boyu 3 mt																												

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
04-1003		Filling Silicone Strengthening (TPV) Dolgu Silikonu Besleme Fitiği (TPV)
04-1005		Mulyon-Transom Insulation PVC Mulyon-Transom Yalıtım Plastiği Order Length 3 mt Sipariş Boyu 3 mt
04-1011		Mulyon PVC Heat Insulation Mulyon Isı Yalıtım Plastiği Order Length 3 mt Sipariş Boyu 3 mt
04-1019		Mulyon PVC Heat Insulation Mulyon Isı Yalıtım Plastiği Order Length 3 mt Sipariş Boyu 3 mt
04-1029		Mulyon PVC Heat Insulation Mulyon Isı Yalıtım Plastiği Order Length 3 mt Sipariş Boyu 3 mt
05-1001		(T) Connection (T) Bağlantı 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
05-1002		Espagnolette Pin Counter İspanyolet Pim Karşılığı 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
05-1003		Adet

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
06-1001		Cassette Side Holder Kaset Yan Tutucu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1002		Cassette Side Holder Kaset Yan Tutucu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1003		AF50 V01,02,05,08,13 Cassette Top Holder Kaset Üst Tutucu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1004		AF50 V07,11,12 Cassette Top Holder Kaset Üst Tutucu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1005		AF50 V07,11,12,15,16 Cassette Holder Kaset Tutucu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1007		AF50 V07,11,12,15,16 Cassette Wedge Kaset Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
06-1008		AF50 V07,11,12,15,16 Cassette Wedge Kaset Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
06-1009		Surface 20 mic. Black Anodized Yüzey 20 mic. Siyah Eloksal 1 Pack Contains 50 Pieces 1 Pakette 50 Adet

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
06-1010		Condense Channel -Dilatation Insulation Profile Kondens Kanalı Dilatasyon Yalıtım Profili 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1011		Condense Channel -Dilatation Insulation Profile Kondens Kanalı Dilatasyon Yalıtım Profili 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1012		Assembling Clips Montaj Klipsi 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1013		External Corner Mounting Clips Dış Köşe Montaj Klipsi 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1014		Assembling Clips Internal Corner İç Köşe Montaj Klipsi 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1015		Assembling Angle Clips Açılı Montaj Klipsi 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
06-1133		Aluminium Glazing Cleat Aluminyum Cam Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
06-1150		Aluminium Glazing Cleat Aluminyum Cam Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
06-1227		Aluminium Glazing Cleat Aluminyum Cam Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
06-1345		Aluminium Glazing Cleat Aluminyum Cam Takozu 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
09-1530 09-1531 09-1532 09-1533 09-1534		One Way Axial Handle Tek Yöne Eksenel Kol Anodizing / Nat. Eloksal White / Beyaz Brown / Kahverengi Raw / Ham Special / Özel Renk
09-1540 09-1541 09-1542 09-1543 09-1544		Dual Way Axial Handle Çift Yöne Eksenel Kol Anodizing / Nat. Eloksal White / Beyaz Brown / Kahverengi Raw / Ham Special / Özel Renk
09-2700		Espagnolette Pin İspanyolet Pimi 1 Pack Contains 50 Pieces 1 Pakette 50 Adet
09-2701		Corner Transfer Espagnolette İspanyolet Köşe Aktarma 1 Pack Contains 30 Pieces 1 Pakette 30 Adet
10-1010		Anchorage Guide Tube Ankraj Klavuz Borusu 1 Pack Contains 100 Pieces 1 Pakette 100 Adet
10-1015		Rockwool Of 80 Pins 80 lik Taş Yünü Çivisi 1 Pack Contains 100 Pieces 1 Pakette 100 Adet

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
09-3000		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPT22 567 mm 1090-1500 mm 75 Kg
09-3001		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPT22W 567 mm 1090-1500 mm 75 Kg
09-3002		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPT26 682 mm 1090-2500 mm 180 Kg
09-3003		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPTH16 415 mm 1090-1500 mm 75 Kg
09-3004		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPT16 415 mm 787-1090 mm 55 Kg
09-3005		Concealed Vent Facade Gizli Kanat Cephe Makası Takım (1 Takımda sağ ve sol olmak üzere 2 adet makas vardır.) SPT12 313 mm 635-787 mm 45 Kg

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
09-3010L 09-3010R		Hinges Code Makas Kodu PX0350 Max. Vent Weight (Kg) Max. Kanat Ağırlığı 100 Min. Vent Height (mm) Min. Kanat Yüksekliği 350 Max. Vent Height (mm) Max. Kanat Yüksekliği 750 Max. Manual Opening Max. Manuel Açılım 150 Max. Motorised Opening Max. Motorlu Açılım 180 Manual Limit Stop Manuel Limit Stoplayıcı CB700
09-3011L 09-3011R		Hinges Code Makas Kodu PX0450 Max. Vent Weight (Kg) Max. Kanat Ağırlığı 100 Min. Vent Height (mm) Min. Kanat Yüksekliği 450 Max. Vent Height (mm) Max. Kanat Yüksekliği 1000 Max. Manual Opening Max. Manuel Açılım 150 Max. Motorised Opening Max. Motorlu Açılım 250 Manual Limit Stop Manuel Limit Stoplayıcı CB571
09-3012L 09-3012R		Hinges Code Makas Kodu PX0670 Max. Vent Weight (Kg) Max. Kanat Ağırlığı 200 Min. Vent Height (mm) Min. Kanat Yüksekliği 670 Max. Vent Height (mm) Max. Kanat Yüksekliği 1500 Max. Manual Opening Max. Manuel Açılım 150 Max. Motorised Opening Max. Motorlu Açılım 150 Manual Limit Stop Manuel Limit Stoplayıcı CB688
09-3013L 09-3013R		Hinges Code Makas Kodu PX0950 Max. Vent Weight (Kg) Max. Kanat Ağırlığı 200 Min. Vent Height (mm) Min. Kanat Yüksekliği 930 Max. Vent Height (mm) Max. Kanat Yüksekliği 2000 Max. Manual Opening Max. Manuel Açılım 150 Max. Motorised Opening Max. Motorlu Açılım 250 Manual Limit Stop Manuel Limit Stoplayıcı CB571

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
10-1100		Steel Anchorage 100 100 lük Çelik Ankraj Pieces Adet
10-1125		Steel Anchorage 125 125 lik Çelik Ankraj Pieces Adet
10-1150		Steel Anchorage 150 150 lik Çelik Ankraj Pieces Adet
10-1200		Transom Installation Model Transom Montaj Şablonu
10-1201		Mulyon Side Template Holder Mulyon Yan Tutucu Şablonu SPTH16 415 mm 1090-1500 mm 75 Kg

CODE / KOD	ACCESSORIES / AKSESUAR	DESCRIPTION / AÇIKLAMA
10-1202		Frame Side Holder Model Kaset Yan Tutucu Şablonu
10-1203		Frame Bottom Holder Model Kaset Alt Tutucu Şablonu
10-1300		Aluminium Foil Tape Aluminyum Folyo Bant Pieces (10mt) Adet (10mt)
10-3000 10-3001 10-3002 10-3003		Standart Filling Silicone 1 Pack Contains 25 Pieces Genel Amaçlı Dolgu Silikonu 1 Paketde 25 Adet Grey / Gri Transparent / Şeffaf White / Beyaz Black / Siyah
10-3010 10-3011 10-3012 10-3013		Neutral Filling Silicone 1 Pack Contains 25 Pieces Nötr Dolgu Silikonu 1 Paketde 25 Adet Grey / Gri Transparent / Şeffaf White / Beyaz Black / Siyah

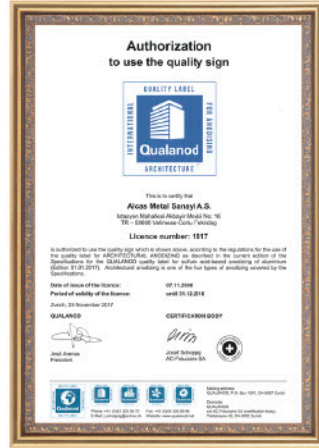
**ISO 9001 SERTİFİKASI**



**QUALICOAT SERTİFİKASI**



**QUALANOD SERTİFİKASI**



**IATF 16949 SERTİFİKASI**



**TSE HASSAS PROFİLLER BELGESİ**



**TSE YÜZEY İŞLEM BELGESİ**



**TSE İMALATI YETERLİLİK BELGESİ**



**ISO 14001**



**OHSAS 18001 BELGESİ**



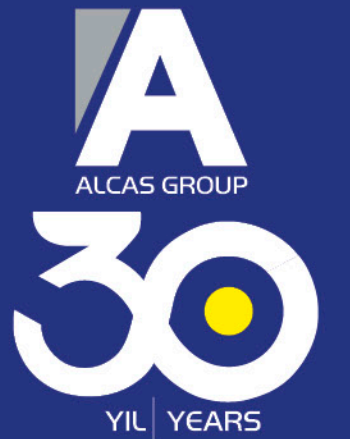
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Dünyanın yeni profil sistemi

