

®

metal & alüminyum

ALUMINIUM & GLASS RAILING SYSTEMS

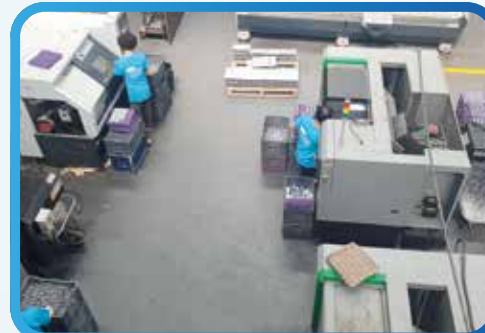


CAM KORKULUK SİSTEMLERİ ÜRÜN KATALOĞU
GLASS RAILING SYSTEMS PRODUCTS CATALOG



ABOUT US





PRODUCTION





SAAP 2000 STATİK RAPORLAMA

SAAP 2000 STATIC REPORT



RÜZGAR YÜKLERİNİN BELİRLENMESİ

Cephelere etkiyen rüzgar yükleri ts498'e göre hesaplanmıştır. Hesaplamalar aşağıdaki gibidir.

11.2.3 - Rüzgar Basıncı (w)

Yapı üst yüzeyine tesir eden rüzgar basıncı

$w = C_p \cdot q$ kN/m²

formülü ile bulunur.

Burada;

q = Rüzgar Basıncı kN/m²

C_p = Emme kat sayısı

C_p = Dikkate alınan yüzey için çeşitli esiş yönüne bağlı olarak belirlenir. Rüzgar basıncı etki yüzeyine dik olarak etki eder.

ÇİZELGE 5 - Yüksekliğe bağlı olarak rüzgar hızı ve emme

Zeminden Yükseklik (m)	Rüzgar Hızı v m/sec	Emme Q (kN/m ²)
0-8	28	0,5
9-20	36	0,8
21-100	42	1,1
>100	46	1,3

Çizelge 5 'e göre yapı yüksekliğine bağlı rüzgar hızı ve rüzgar basıncı değerleri yukarıdaki gibidir.

Yapımızda kullanılacak alüminyum baza ile desteklenecek cam balkon korkuluklarımız en yüksek kot belirlenmesitahmini olarak h maks =100 m olarak tespit edilmiştir. Seçilen bu yükseklik için yönetmeliklere göre rüzgar hızı 21-100 metre için 42 m/sn ve hız basıncı(q) 1,1 kn/m2 alınacaktır.

Yönetmeliğin devamında Münferit taşıyıcı yapı elemanları için (mesela mertek, aşık, cephe elemanı vs. gibi) rüzgar basıncı değeri katsayısı 1/4 artırılır denmektedir.

Yine devamında bu değerlere ve rüzgarın etki ettiği yüzey tipine bağlı olarak Çizelge 6'dan

ÇİZELGE 6- C Katsayısı ve Rüzgar Yükünün Yapının Etkilenen Yüzeyinin Birim Alanına Göre Dağılımı (Basıncı + Emme)

Building type	Coefficient C	Wind Load			
		q = 0,5 kN/m ²	q = 0,8 kN/m ²	q = 1,10 kN/m ²	q = 1,30 kN/m ²
1)Düzlemsel yüzeyler ile sınırlandırılmış yapı elemanları (Madde 2 istisna) 1.1) Kapalı Yapı Elemanları 1.1.1)Rüzgar yönüne dikey yüzlerde direction					
a) Genel olarak	1,20	0,60	0,96	1,32	1,56
b) Kule tipi yapılarda(*)	1,60	0,80	1,28	1,76	2,08
1.1.2) Rüzgar yönüne a açısı yapan eğimli yüzeylerde a) Genel olarak b) Kule tipi yapılarda	1,20 sinα 1,60 sinα	0,60 sinα 0,80 sinα	0,96 sinα 1,26 sinα	1,32 sinα 1,32 sinα	1,56 sinα 1,56 sinα
1.2) Kapalı Olmayan Yapı Elemanlarında(**) 1.1.1 ve 1.1.2 deki verilen değerler geçerlidir. Yalnız gayri müsait durumu vermesi halinde bu yükler için ikinci bir hesap daha yapılmalıdır. Bu hesapta rüzgar yükü çatı iç kısım yüzeyine dik alınır. 1.3) Zemin üzerinde serbest duran duvarlar - Genel olarak yüksekliği , ortalama genişliği 5 katı olan duvarlar 2)Taşıyıcı sistemler ve taşıyıcı dolu duvarlar	1,20 1,60	0,60 0,80	0,96 1,28	1,32 1,76	1,56 2,00
2.1) Taşıyıcı bir duvar , artarda sürekli olan taşıyıcı duvarlardan en öndeki ve diğer duvarların etkilenecek kısmı için a) Rüzgar yönüne dikey yüzeylerde b) Rüzgar yönüne a açısı yapan yüzeylerde	1,60 1,60 sinα	0,80 0,80 sinα	1,28 1,28 sinα	1,76 1,76 sinα	2,08 2,08 sinα

DETERMINATION OF WIND LOADS

Wind loads acting on the facades are calculated according to ts498. Calculations are as follows.

11.2.3 - wind pressure (w)

wind pressure acting on the upper surface of the structure

$w = C_p \cdot q$ kN/m²

is found by the formula.

Here;

q = Wind pressure kN/m²

C_p = Suction coefficient

C_p = Known depending on the various blow direction for the surface under consideration. Wind pressure acts perpendicular to the impact surface.

height above ground (m)	wind speed v m/sec	Suction Q (kN/m ²)
0-8	28	0,5
9-20	36	0,8
21-100	42	1,1
>100	46	1,3

GRAPHIC 5 - According to the building height, the wind speed and wind pressure values are as above. The highest elevation of our glass balcony railings to be supported by the aluminum plinth to be used in our building has been determined as h max = 90 m. For this chosen height, according to the regulations, the wind speed will be 42 m/s for 21-100 meters and the speed pressure (q) will be 1.1 kn/m².

In the continuation of the regulation, it is stated that the wind pressure value coefficient is increased by 1/4 for individual load-bearing structural elements (such as rafters, purlins, facade elements, etc.).

Again, depending on these values and the type of surface affected by the wind, GRAPHIC 6

GRAPHIC 6 - Coefficient c and distribution of wind load by unit area of the affected surface of the structure (pressure + suction)

Building type	Coefficient C	Wind Load			
		q = 0,5 kN/m ²	q = 0,8 kN/m ²	q = 1,10 kN/m ²	q = 1,30 kN/m ²
1)Structural elements bounded by planar surfaces (Article 2 exception) 1.1)Closed building elements 1.1.1) On surfaces perpendicular to the wind direction					
a) Generally	1,20	0,60	0,96	1,32	1,56
b) in tower type structures(*)	1,60	0,80	1,28	1,76	2,08
1.1.2) On inclined surfaces making an angle a to the wind load a) Generally b) in tower type structures	1,20 sinα 1,60 sinα	0,60 sinα 0,80 sinα	0,96 sinα 1,26 sinα	1,32 sinα 1,32 sinα	1,56 sinα 1,56 sinα
1.2) in non-enclosed structural members(**) The values given in 1.1.1 and 1.1.2 are valid. 1.3) free standing walls above ground - walls whose height is generally 5 times the average width 2)load-bearing systems and load-bearing walls	1,20 1,60	0,60 0,80	0,96 1,28	1,32 1,76	1,56 2,00
2.1) a load-bearing Wall, For the frontmost part of the successive bearing walls and the part of the other walls to be affected a) On surfaces perpendicular to the wind direction b) On inclined surfaces making an angle a to the wind load	1,60 1,60 sinα	0,80 0,80 sinα	1,28 1,28 sinα	1,76 1,76 sinα	2,08 2,08 sinα

Our wind load for 21-100 meters altitude

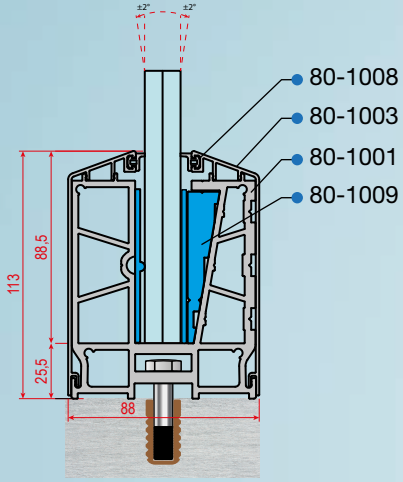
$W = c \cdot q = 1,20 \cdot 1,76 \cdot 1 = 2,112 \cdot 1 = 1,94$ kn/m2 we get wind load.

21-100 metre yükseklik için rüzgar yükümüz;

$W = c \cdot q = 1,20 \cdot 1,76 \cdot 1 = 2,112 \cdot 1 = 1,94$ kn/m2 rüzgar yükü elde ederiz.

AS87 CAM BAZA SİSTEMİ

AS87 GLASS BASE SYSTEM

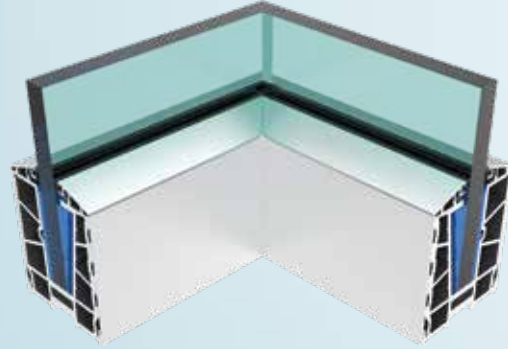


AS87 SERİSİ sağlamlığın yanı sıra mekanlarınıza estetik ve modern bir görünüm katar. Aynı zamanda seyir zevkini mükemmelliğe ulaştırır.

Ayarlanabilir özelliği ile her bir cam paneli dikeyden 2° sağ veya sol yana ince ayar yapabilme özelliğine sahiptir.

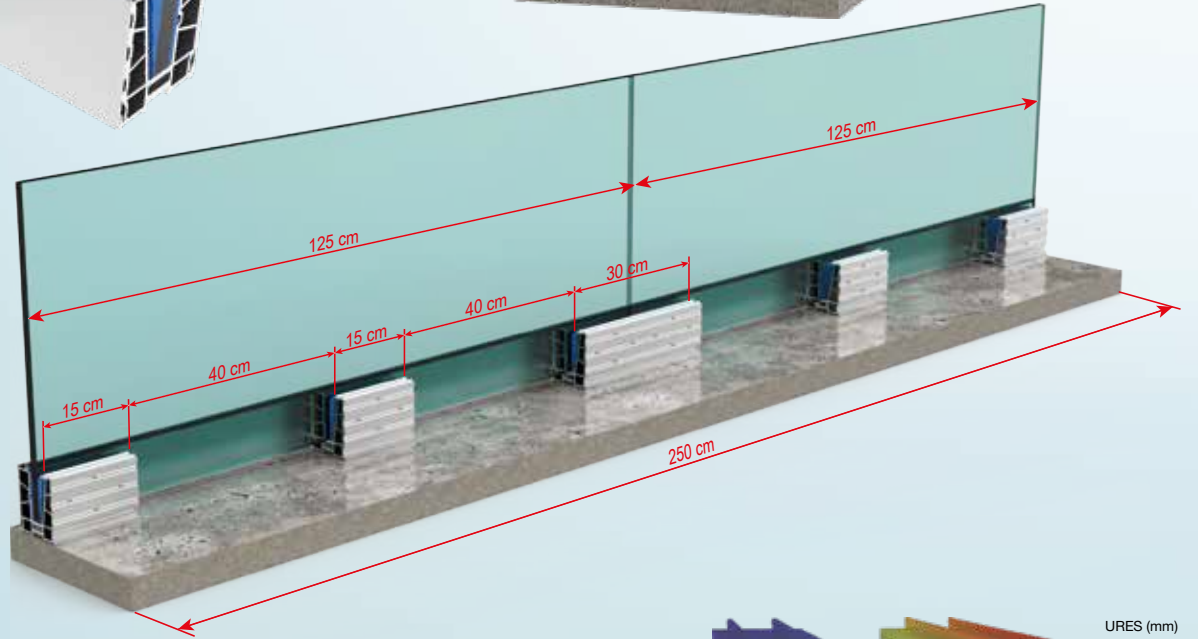
AS87 SERIES adds an aesthetic and modern look to your spaces as well as being robust. At the same time, it brings the viewing pleasure to perfection.

With its adjustable feature, each glass panel has the ability to fine-tune 2 degrees from the vertical to the right or left.



Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.
It provides a wide usage with alternative glass options.

Cam Glass (mm)	AS87 Serisi Cam Özellikleri AS87 Series Glass Features				
Kalınlık Thickness	8	5+5	6+6	8+8	10+10
Uzunluk Length	1500	2000	1750	1500	1250
Yükseklik Height	900	1000	1150	1250	1500



TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code** standartları ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

$$(48,6 \text{ kg / metre}) \times 6,7 \text{ metre} / 2,4 \text{ metre} = 135,67 \text{ kg/mt}$$

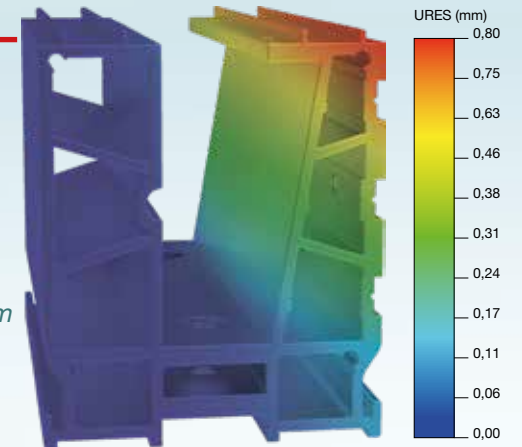
Yapılan statik analiz sonucuna göre max sehım şartı sağlanmıştır
max sehım baza **0,80 mm**
max sehım cam **11,2 mm** olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

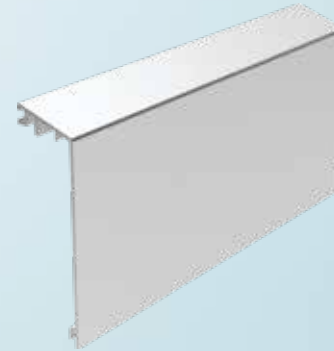
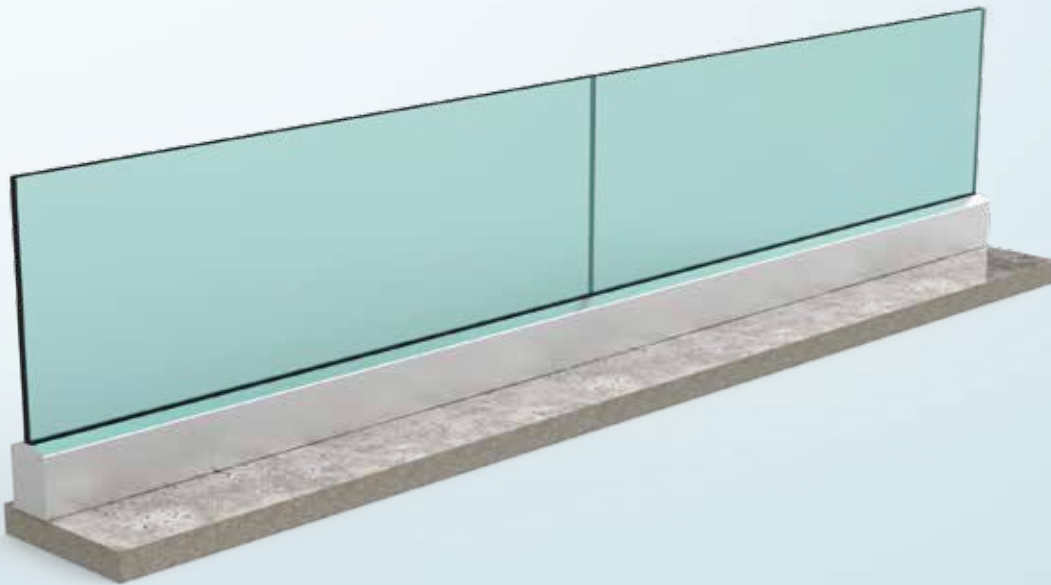
Linear Gcam Calculation for the Base:

$$(48.6 \text{ kg / meter}) \times 6,7 \text{ meters} / 2,4 \text{ meters} = 135,67 \text{ kg/m}$$

According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0.80 mm**
The maximum deflection of the glass is calculated as **11,2 mm**.



AS87 Serisi



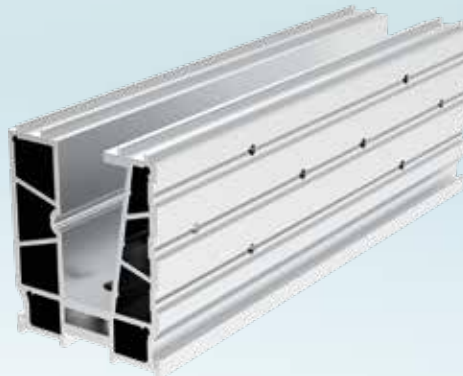
80-1003
KAPAK PROFİLİ
PROFILE COVER



80-1004
BİTİŞ KAPAĞI
SIDE COVER



80-1001
CAM BAZA 15 cm
GLASS BASE 15 cm



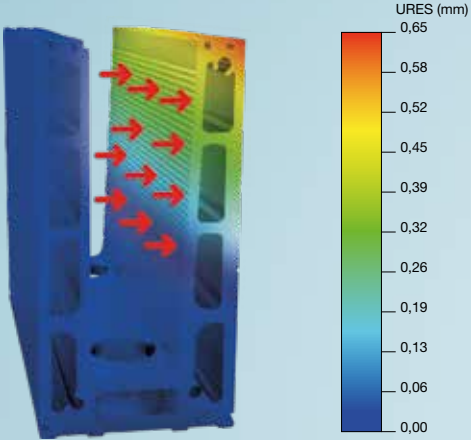
80-1002
CAM BAZA 30 cm
GLASS BASE 30 cm



80-1012
CAM BAZA KÖŞE
GLASS BASE CORNER

AS20 CAM BAZA SİSTEMİ

AS20 GLASS BASE SYSTEM



TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code** standartları ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

$$(48,6 \text{ kg / metre}) \times 4,2 \text{ metre} / 1,2 \text{ metre} = 170,1 \text{ kg/mt}$$

Yapılan statik analiz sonucuna göre max sehım şartı sağlanmıştır
max sehım baza **0,65 mm**
max sehım cam **8,425 mm** olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

Linear Gcam Calculation for the Base:

$$(48.6 \text{ kg / meter}) \times 4.2 \text{ meters} / 1.2 \text{ meters} = 170.1 \text{ kg/m}$$

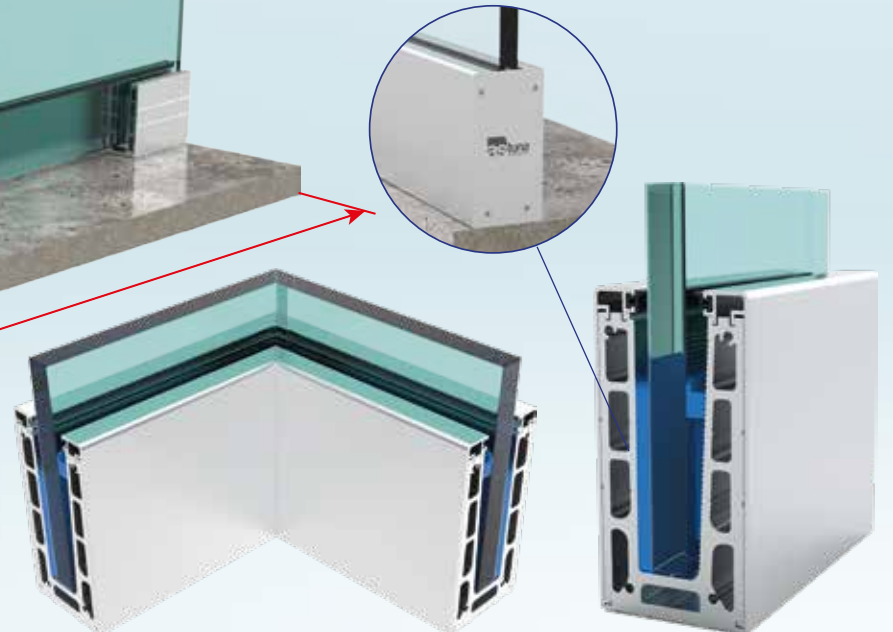
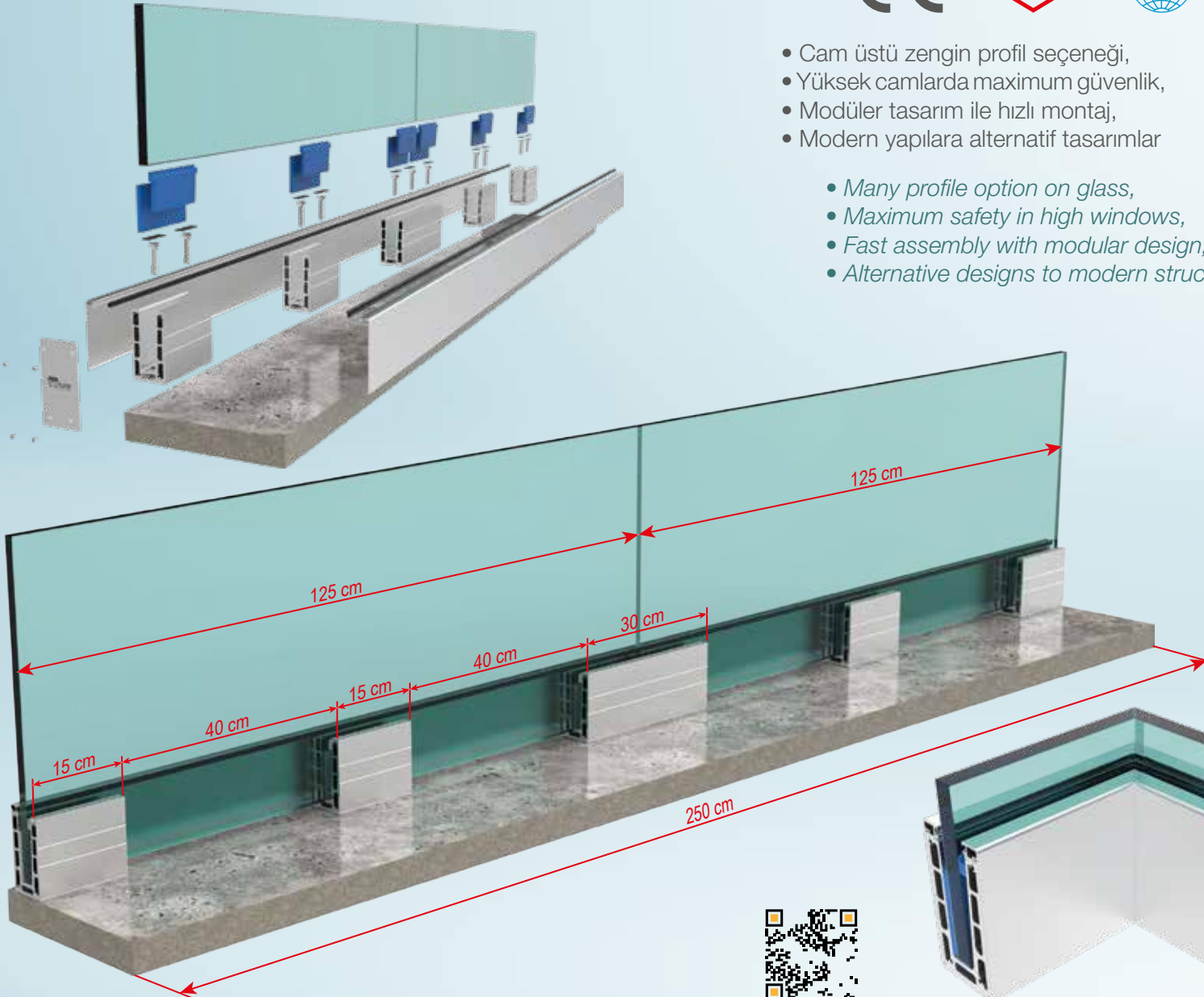
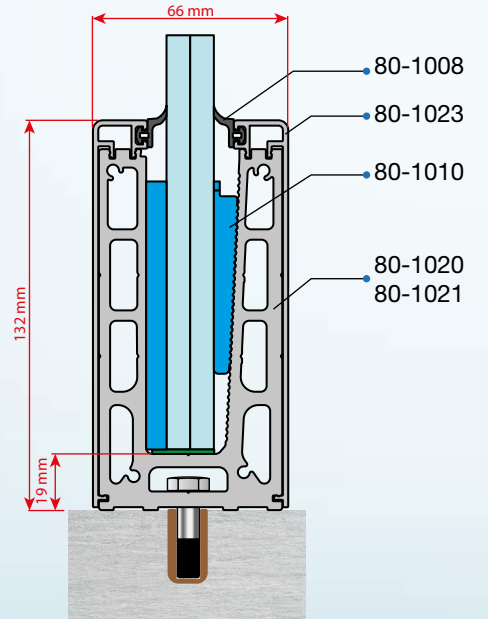
According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0.65 mm**
The maximum deflection of the glass is calculated as **8,425 mm**.

Uygulanan Güç = 1.700 Newton
1 Newton = 0,101 Kg



- Cam üstü zengin profil seçeneği,
- Yüksek camlarda maximum güvenlik,
- Modüler tasarım ile hızlı montaj,
- Modern yapılara alternatif tasarımlar

- Many profile option on glass,
- Maximum safety in high windows,
- Fast assembly with modular design,
- Alternative designs to modern structures





AS20 Cam baza sistemi, eşsiz manzara keyfi ve güvenliğinizi düşünülerek tasarlanmıştır.

AS20 Glass base system has been designed with your unique view pleasure and safety in mind.

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

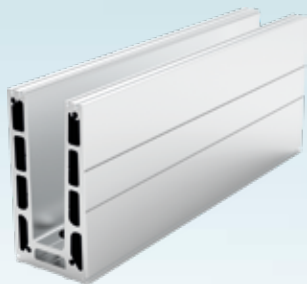
It provides a wide usage with alternative glass options.

Cam Glass (mm)	AS20 Serisi Cam Özellikleri AS20 Series Glass Features			
Kalınlık Thickness	5+5	6+6	8+8	10+10
Uzunluk Length	2000	1750	1500	1250
Yükseklik Height	1000	1150	1250	1500



80-1020

CAM BAZA 15 cm
GLASS BASE 15 cm



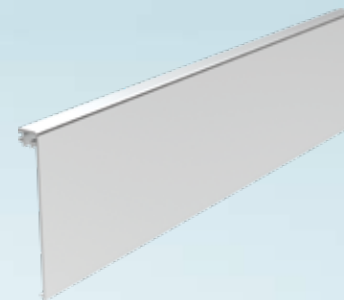
80-1021

CAM BAZA 30 cm
GLASS BASE 30 cm



80-1022

CAM BAZA KÖŞE
GLASS BASE CORNER



80-1023

KAPAK PROFİLİ
PROFILE COVER

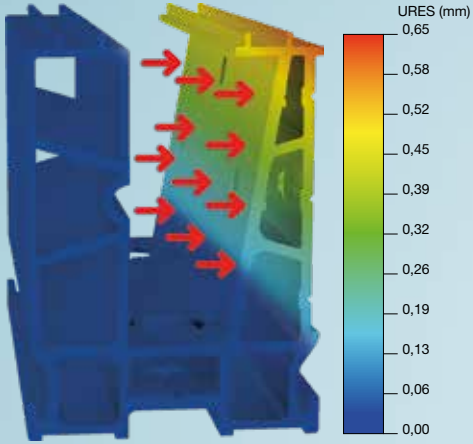


80-1024

BİTİŞ KAPAĞI
SIDE COVER

E42 CAM BAZA SİSTEMİ

E42 GLASS BASE SYSTEM



Uygulanan Güç = 1.700 Newton
1 Newton = 0,101 Kg

TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code** standartları ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

$$(48,6 \text{ kg / metre}) \times 6,7 \text{ metre} / 2,4 \text{ metre} = 135 \text{ kg/mt}$$

Yapılan statik analiz sonucuna göre max sehım şartı sağlanmıştır
max sehım baza **0,50 mm**
max sehım cam **6,30 mm** olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

Linear Gcam Calculation for the Base:

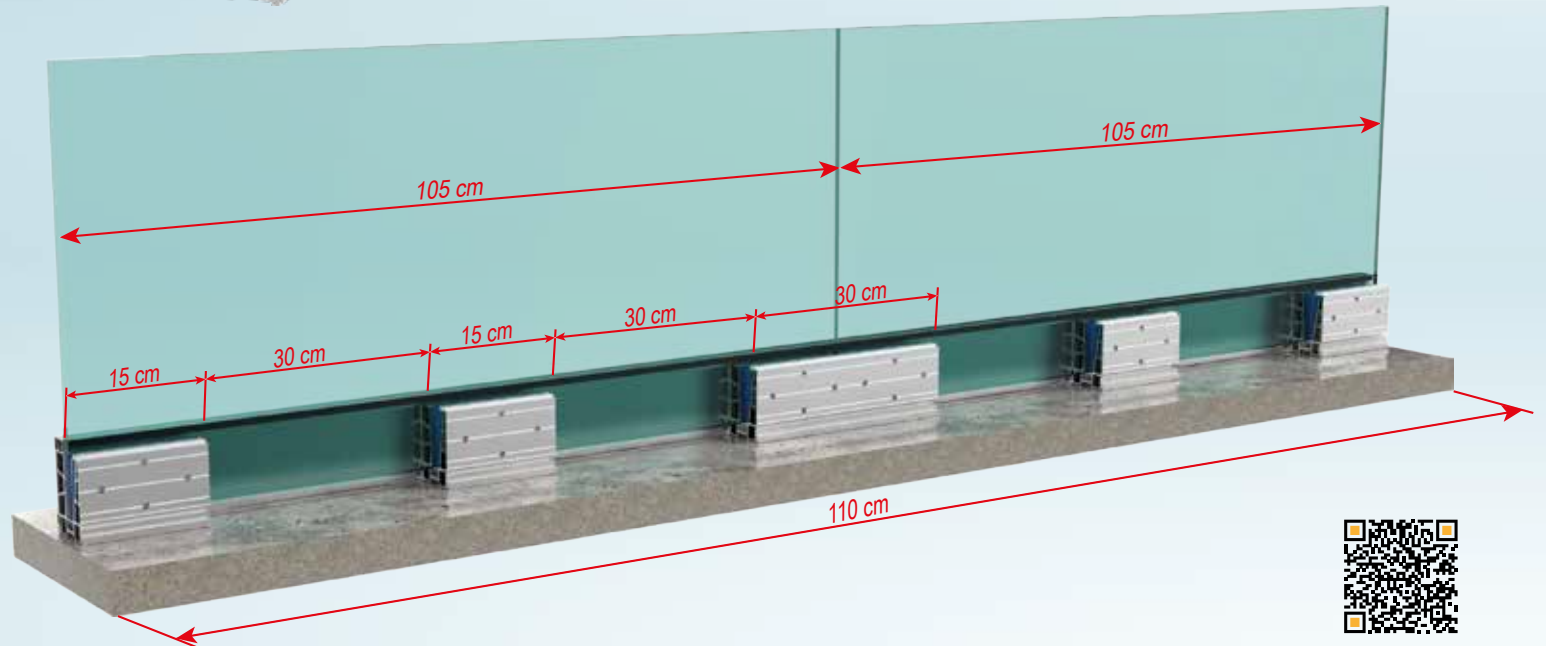
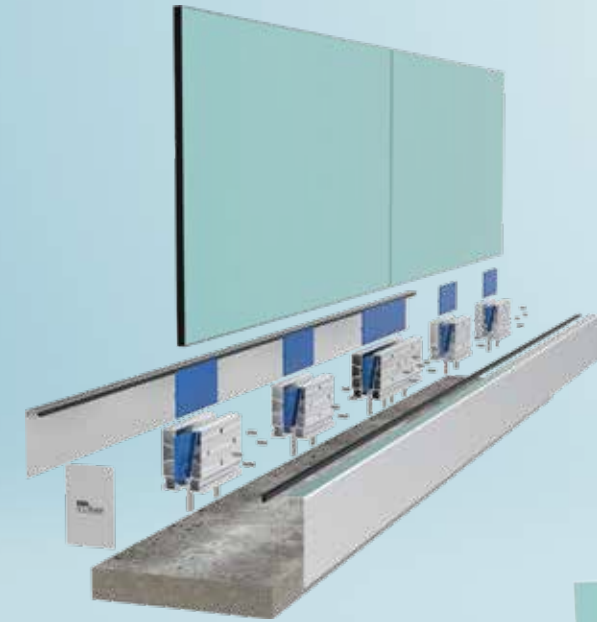
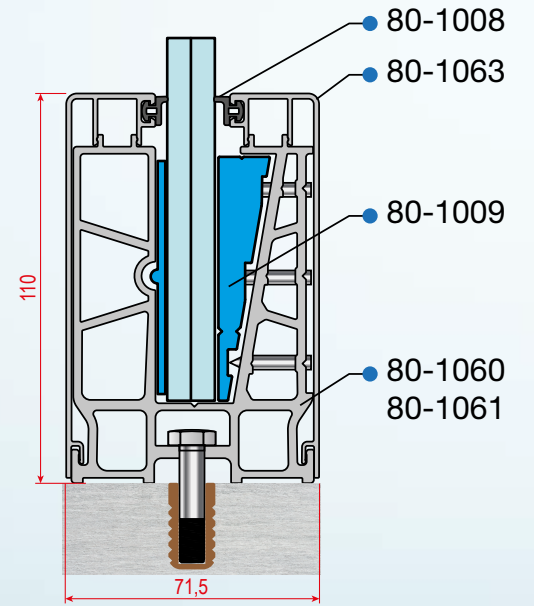
$$(48.6 \text{ kg / meter}) \times 6.7 \text{ meters} / 2.4 \text{ meters} = 135 \text{ kg/m}$$

According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0,50 mm**
The maximum deflection of the glass is calculated as **6,30 mm**.



- Cam üstü zengin profil seçeneği,
- Modüler tasarım ile hızlı montaj,
- Modern yapılara alternatif tasarımlar

- Many profile option on glass,
- Fast assembly with modular design,
- Alternative designs to modern structures





E42 Cam baza sistemi, parafet ve duvar üstü montaj kolaylığı sağlar.

E42 Glass plinth system provides ease of mounting on parapet and wall.

Cam Glass (mm)	AS20 Serisi Cam Özellikleri AS20 Series Glass Features	
Kalınlık Thickness	5+5	6+6
Uzunluk Length	2000	1750
Yükseklik Height	1000	1150

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

It provides a wide usage with alternative glass options.



80-1060

CAM BAZA 15 cm
GLASS BASE 15 cm



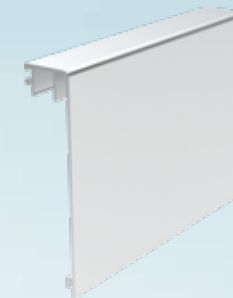
80-1061

CAM BAZA 30 cm
GLASS BASE 30 cm



80-1062

CAM BAZA KÖŞE
GLASS BASE CORNER



80-1063

KAPAK PROFİLİ
PROFILE COVER

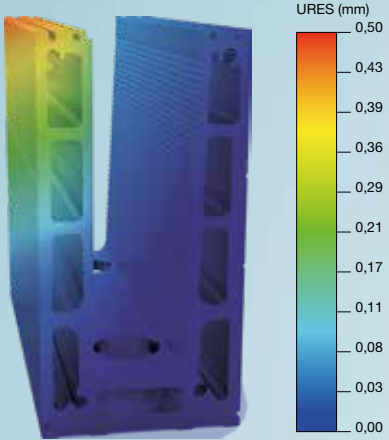


80-1064

BİTİŞ KAPAĞI
SIDE COVER

D11 CAM BAZA SİSTEMİ

D11 GLASS BASE SYSTEM



Uygulanan Güç = 1.700 Newton
1 Newton = 0,101 Kg

TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code** standartları ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

$$(48,6 \text{ kg / metre}) \times 4,2 \text{ metre} / 1,2 \text{ metre} = 170,1 \text{ kg/mt}$$

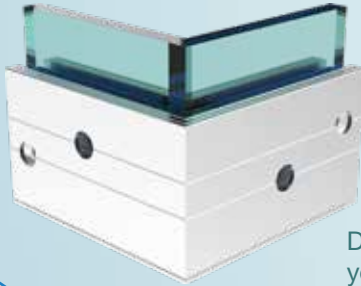
Yapılan statik analiz sonucuna göre max sehım şartı sağlanmıştır
max sehım baza **0,50 mm**
max sehım cam **8,425 mm** olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

Linear Gcam Calculation for the Base:

$$(48.6 \text{ kg / meter}) \times 4.2 \text{ meters} / 1.2 \text{ meters} = 170.1 \text{ kg/m}$$

According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0.50 mm**
The maximum deflection of the glass is calculated as **8,425 mm**.

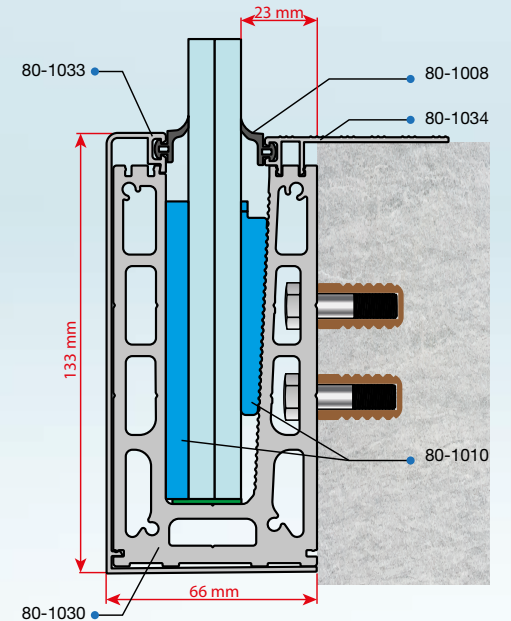
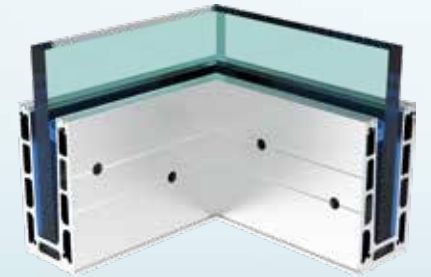
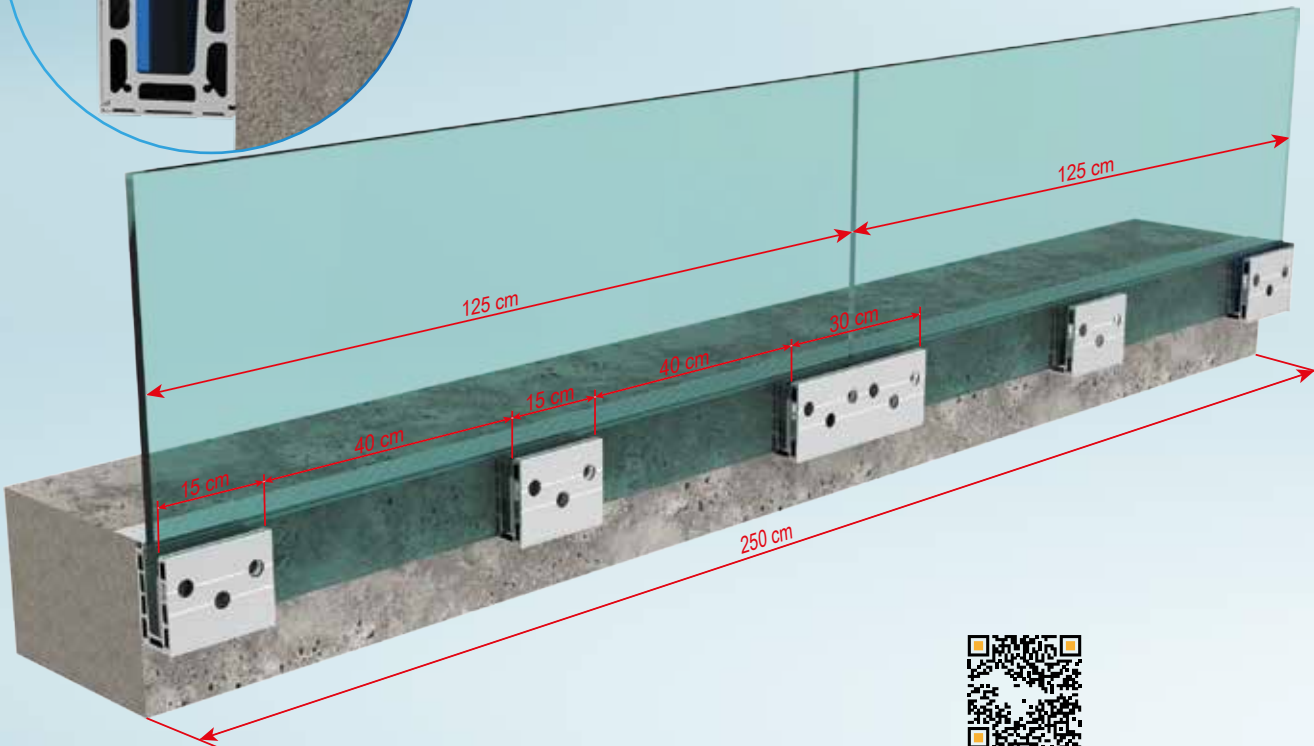
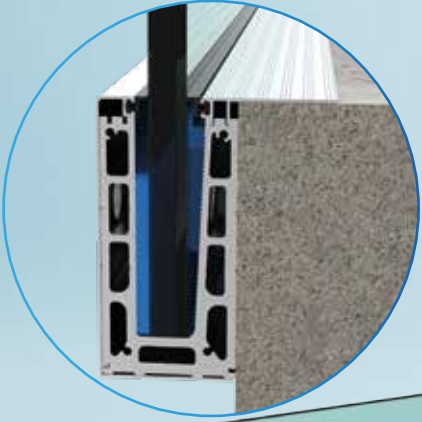


D11 Cam baza sistemi yapılarınızın birçok alanında kullanılarak estetik bir görünüm sağlar. Uzman ekibimiz tarafından tasarlanan D11 sistemi, maksimum güvenlik düşünülerek manzaranın keyfini yaşayacağınız şekilde üretilmiştir.

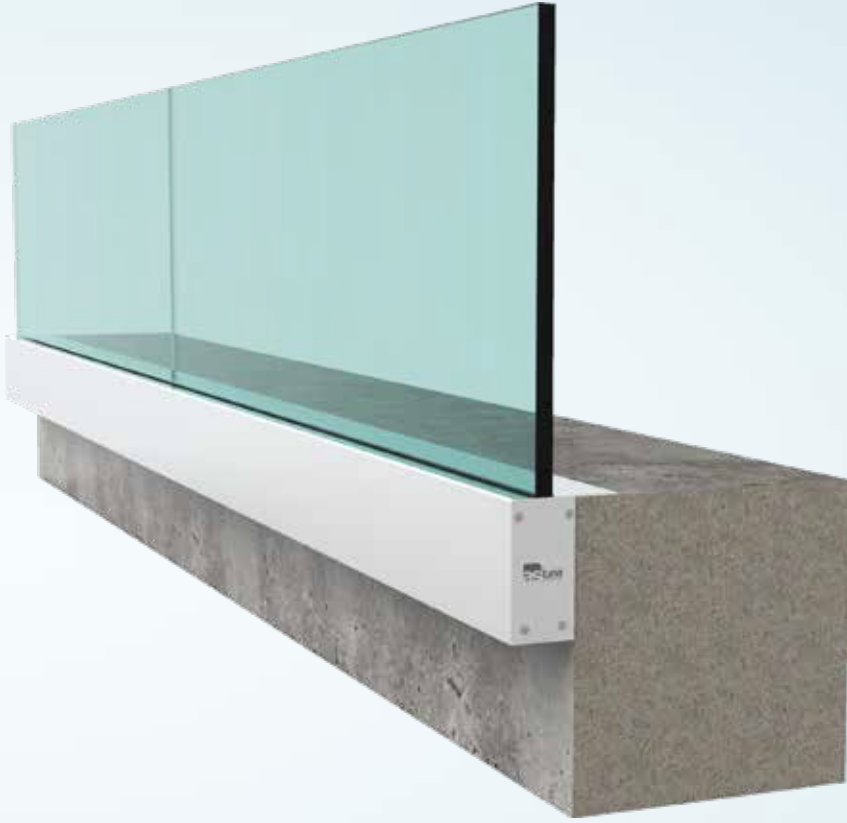
D11 Glass base system provides an aesthetic appearance by using it in many areas of your buildings. Designed by our expert team the D11 system has been produced in such a way that you can enjoy the view with maximum safety in mind.

- Genişletilmiş alan avantajı,
- Yüksek camlarda maximum güvenlik,
- Estetik görsel bütünlüğü,
- Modern yapılara alternatif tasarımlar

- Expanded area advantage,
- Maximum safety in high windows,
- Aesthetic visual integrity,
- Alternative designs to modern structures



D11 Serisi



80-1030

CAM BAZA 15 cm
GLASS BASE 15 cm



80-1031

CAM BAZA 30 cm
GLASS BASE 30 cm



80-1032

CAM BAZA KÖŞE
GLASS BASE CORNER



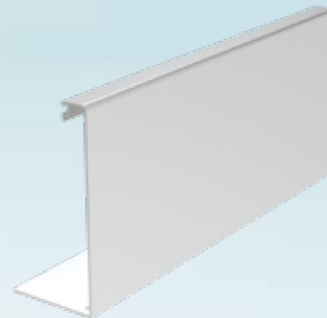
80-1035

BİTİŞ KAPAĞI
SIDE COVER

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

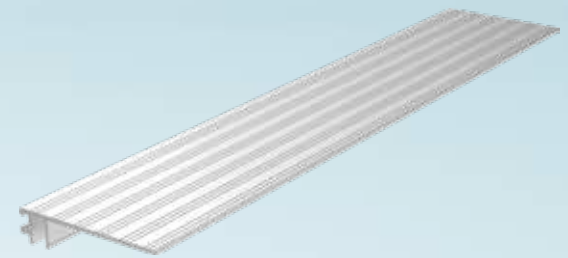
Cam Glass (mm)	D11 Serisi Cam Özellikleri D11 Series Glass Features			
Kalınlık <i>Thickness</i>	5+5	6+6	8+8	10+10
Uzunluk <i>Lenght</i>	2000	1750	1500	1250
Yükseklik <i>Height</i>	1100	1250	1350	1500

It provides a wide usage with alternative glass options.



80-1033

KAPAK PROFİLİ
PROFILE COVER

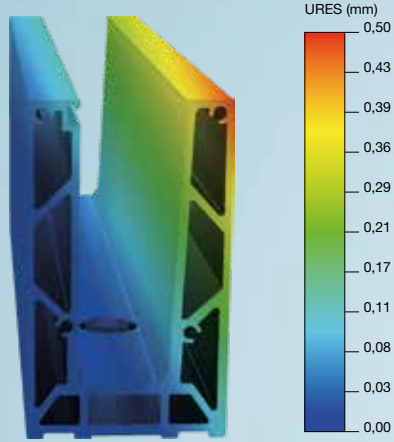


80-1034

KAPAK PROFİLİ
PROFILE COVER

B25 CAM BAZA SİSTEMİ

B25 GLASS BASE SYSTEM



Uygulanan Güç = 1.700 Newton
1 Newton = 0,101 Kg

TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code** standartları ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

(62,3 kg / metre) x 6 metre / 1,2 metre = 311,5 kg/mt

Yapılan statik analiz sonucuna göre max sehım şartı sağlanmıştır
max sehım baza 0,60 mm
max sehım cam 10,325 mm olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

Linear Gcam Calculation for the Base:

(62.3 kg / meter) x 6 meters / 1.2 meters = 311,5 kg/m

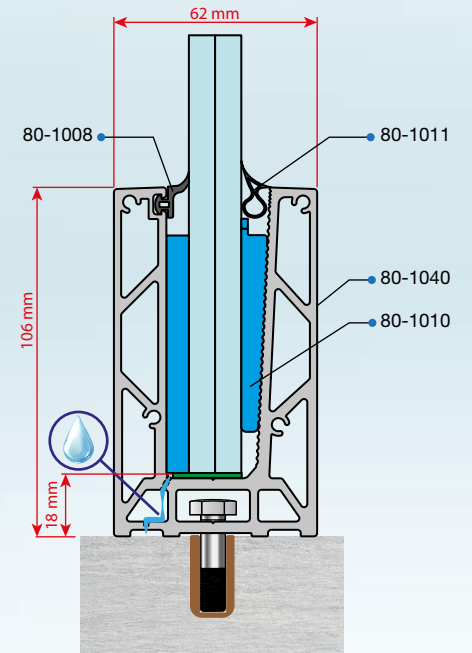
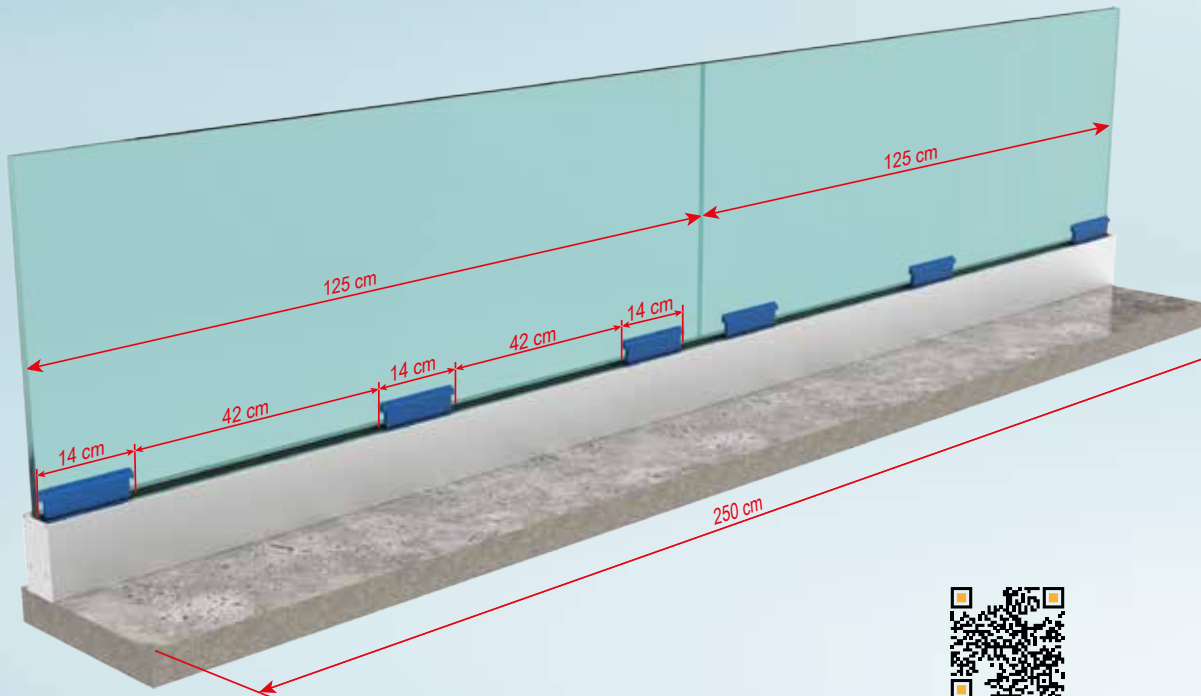
According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0.60 mm**
The maximum deflection of the glass is calculated as **10,325 mm**.



B25 sistemi, sağlam korkuluklar ve bölmeler oluşturmak için cam panellerini zemine sabitleyen yenilikçi bir alüminyum kanal sistemidir. Balkonlarda, galerilerde ve daha birçok alanda kullanılarak estetik bir görünüm sağlar. Uzman ekibimiz tarafından tasarlanan B25 sistemi, zamandan tasarruf etmeniz için en hızlı montaj yapılacak şekilde üretilmiştir.

The B25 system is an innovative aluminum channel system that anchors glass panels to the floor to create solid railings and partitions. It provides an aesthetic appearance by using it in balconies, galleries and many other areas. Designed by our expert team, the B25 system has been produced to be the fastest way in installation to save time.

- Cam üstü zengin profil seçeneği,
- Yüksek camlarda maximum güvenlik,
- Modüler tasarım ile hızlı montaj,
- Modern yapılar alternatif tasarımlar
- Rich profile option on glass,
- Maximum safety in high windows,
- Fast assembly with modular design,
- Alternative designs to modern structures



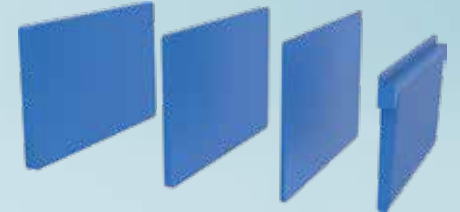
B25 Serisi



Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

Cam Glass (mm)	B25 Serisi Cam Özellikleri <i>B25 Series Glass Features</i>			
Kalınlık <i>Thickness</i>	5+5	6+6	8+8	10+10
Uzunluk <i>Lenght</i>	2000	1750	1500	1250
Yükseklik <i>Height</i>	1000	1150	1250	1500

It provides a wide usage with alternative glass options.



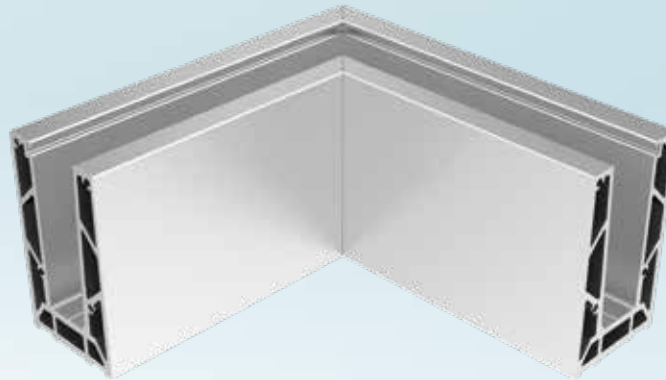
80-1010

SIKMA TAKOZ SETİ
TIGHTENING WEDGE SET



80-1040

CAM BAZA
GLASS BASE



80-1041

CAM BAZA KÖŞE
GLASS BASE CORNER

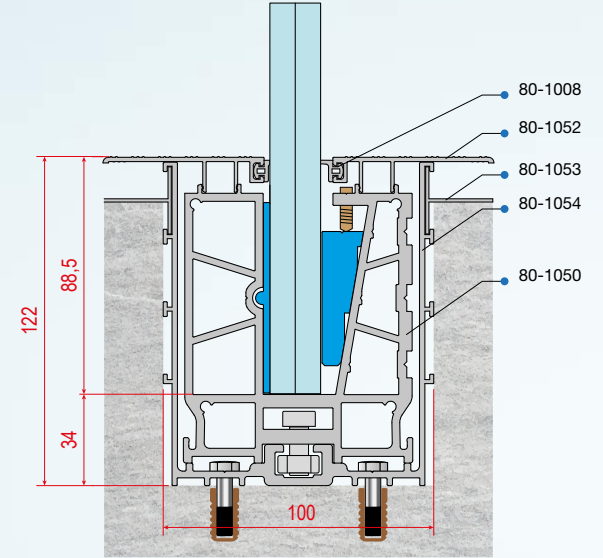


80-1042

BİTİŞ KAPAĞI
SIDE COVER

M84 CAM BAZA SİSTEMİ

M84 GLASS BASE SYSTEM



M84 SERİSİ ile şeffaflığı ve sağlamlığı ön planda tutarak yapılarınızı görünür kılıyoruz. Kesintisiz bir bağlantı oluşturmak istiyorsanız M84 SERİSİ kullanarak montaj kolaylığından faydalana bilirsiniz.

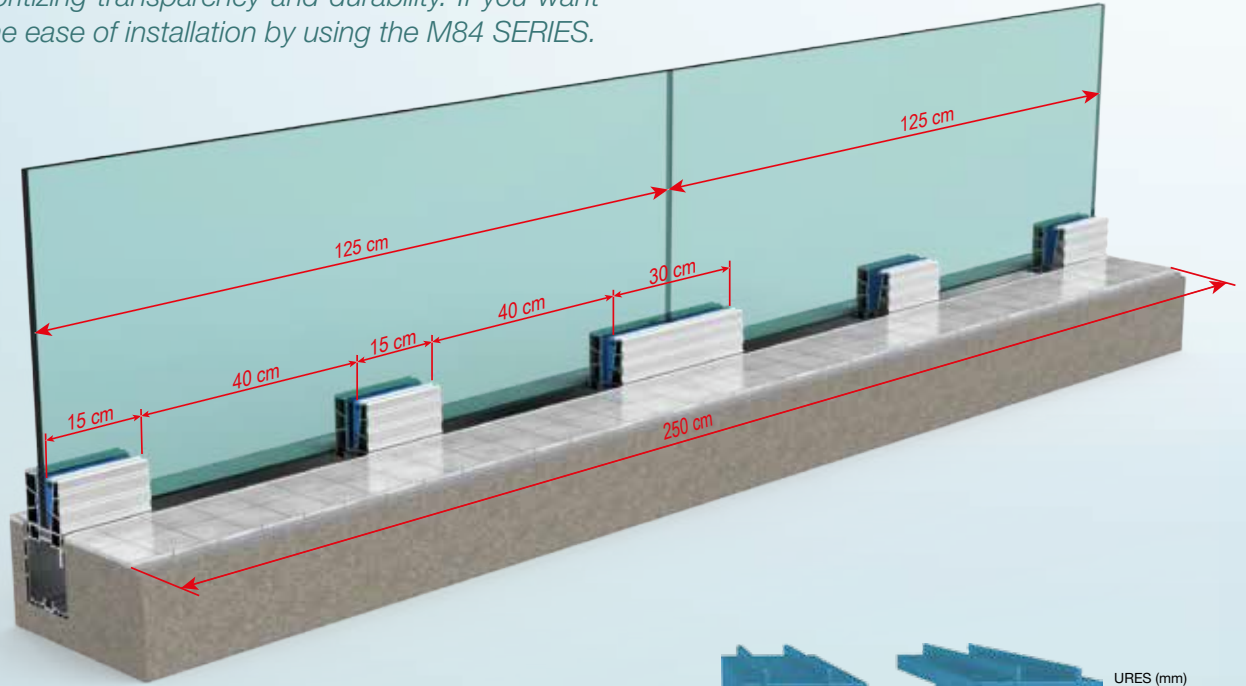
Balkonlarda, galerilerde ve daha birçok alanda şık bir görünüm sağlar. Hızlı ve kolay kurulum için tasarlanmıştır.

With the M84 SERIES, we make your buildings visible by prioritizing transparency and durability. If you want to create an uninterrupted connection, you can benefit from the ease of installation by using the M84 SERIES.

It provides a stylish look on balconies and more areas. It is designed for quick and easy installation..

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.
It provides a wide usage with alternative glass options.

Cam Glass (mm)	M84 Serisi Cam Özellikleri M84 Series Glass Features			
Kalınlık Thickness	5+5	6+6	8+8	10+10
Uzunluk Lenght	2000	1750	1500	1250
Yükseklik Height	1100	1250	1350	1500



TS498 , DIN 1055 standartlarına göre yapılan yüklemeler ve **AA-ASD-2000 Alüminyum design code standartları** ile yapılan hesaplama raporları ve testleri sonucu

Baza için çizgisel Gcam Hesabı

$$(55,7 \text{ kg / metre}) \times 6,7 \text{ metre} / 2,4 \text{ metre} = 155,49 \text{ kg/mt}$$

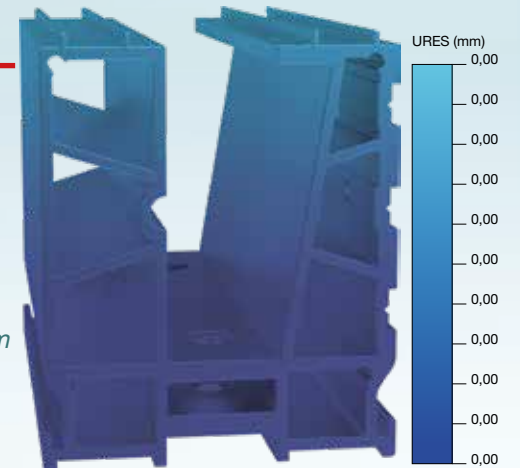
Yapılan statik analiz sonucuna göre max sehim şartı sağlanmıştır
max sehim baza **0,00 mm**
max sehim cam **11,2 mm** olarak hesaplanmıştır.

According to the Loads standards **TS498, DIN 1055** , and **AA-ASD-2000 Aluminum design code standards**
The result of calculation reports and tests made with

Linear Gcam Calculation for the Base:

$$(55,7 \text{ kg / meter}) \times 6,7 \text{ meters} / 2,4 \text{ meters} = 155,49 \text{ kg/m}$$

According to the results of the static analysis, the maximum deflection condition was met.
The max deflection of the base is **0,00 mm**
The maximum deflection of the glass is calculated as **11,2 mm**.



M84 Serisi



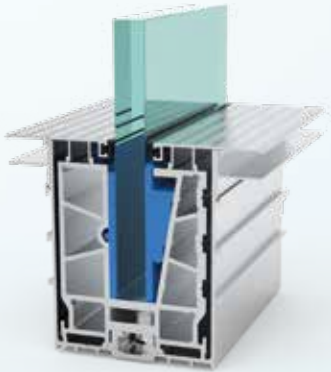
80-1050

CAM BAZA 15 cm
GLASS BASE 15 cm



80-1051

CAM BAZA 30 cm
GLASS BASE 30 cm



80-1052

KAPAK PROFİLİ
PROFILE COVER



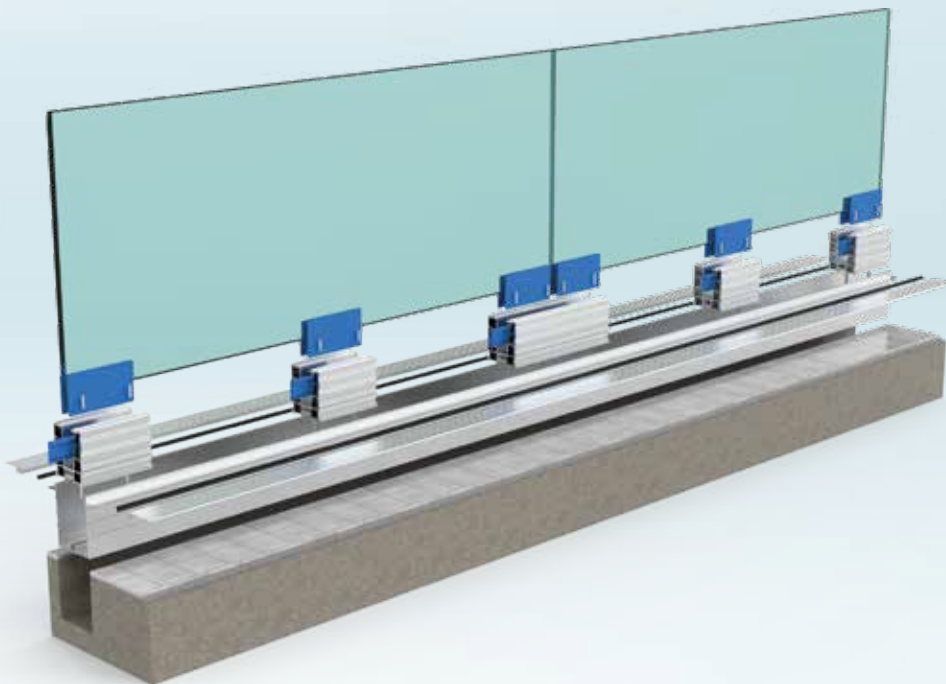
80-1053

ZEMİN KAPAK PROFİLİ
GROUND PROFILE COVER



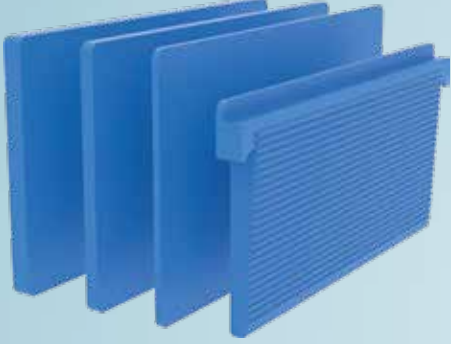
80-1054

ZEMİN PROFİLİ
GROUND PROFILE



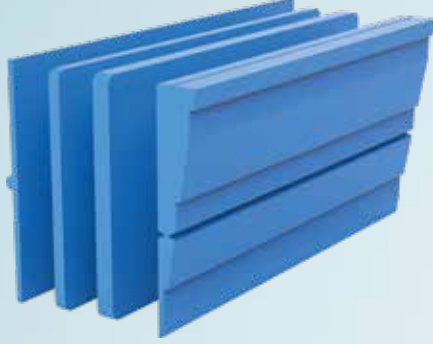
CAM BAZA YARDIMCI ÜRÜNLER

GLASS BASE COMMON PRODUCT



80-1010

SIKMA TAKOZ SETİ
TIGHTENING WEDGE SET



80-1009

SIKMA TAKOZ SETİ
TIGHTENING WEDGE SET



80-1008

CAM FİTİLİ
GLASS WICK



80-1011

CAM FİTİLİ
GLASS WICK



17-3003

İMBUS VİDA
IMPULS BOLT



17-3001

BULDEKS VİDA
BULDEX SCREW



17-3004

ALTİGEN VİDA
HEXAGON SCREW



17-3005

DUBELLİ VİDA
DOVEL SCREW



17-3006

YARIM DUBEL VİDA
HALF DOVEL SCREW



17-2005

ÇELİK DUBEL
STEEL DOVEL



17-3002

PLASTİK DUBEL
PLASTIC DOVEL



17-1010

EPOKSİ YAPIŞTIRICI
EPOXY ADHESIVE



17-1012

EPOKSİ TABANCASI
EPOXY PISTOL

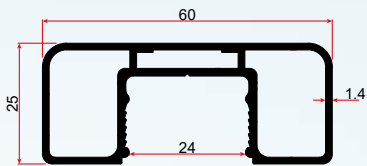


17-1014

MERMER YAPIŞTIRICISI
MARBLE GLUE

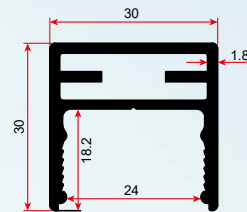
CAM BAZA ÜST PROFİLLER

GLASS BASE TOP PROFILES



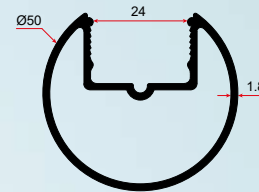
PRF 0034

0,834 KG/MT



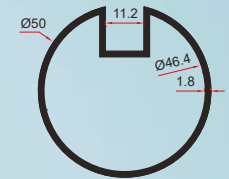
PRF 0031

0,658 KG/MT



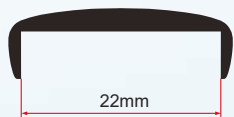
PRF 0056

RUBBER 16,5 MM



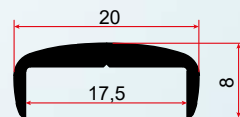
PRF 0055

RUBBER 12,5 MM



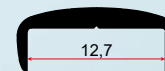
PRF 0032

0,190 KG/MT



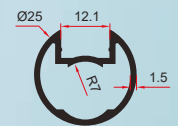
PRF 0033

0,140 KG/MT



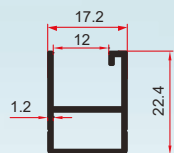
PRF 0039

0,113 KG/MT



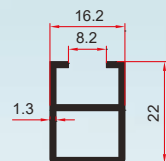
PRF 0068

0,135 KG/MT



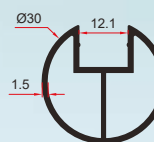
PRF 0037

0,254 KG/MT



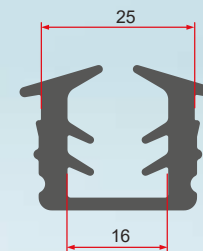
PRF 0038

0,267 KG/MT



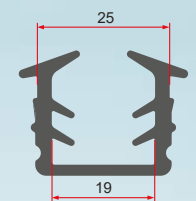
PRF 0067

0,155 KG/MT



PRF 0035

RUBBER 12,5 MM



PRF 0036

RUBBER 16,5 MM

LAMİNE CAM TEKNİK ÖZELLİKLER

LAMINE GLASS TECHNICAL PRODUCT

5 + 5 mm Laminated Glass 100 cm Glass Height		
LENGHT mm (W)	GLASS WIDTH (T)	WEIGHT (KG)
900	5+1,52+5	23
1000	5+1,52+5	25
1100	5+1,52+5	27
1200	5+1,52+5	29

6 + 6 mm Laminated Glass 100 cm Glass Height		
LENGHT mm (W)	GLASS WIDTH (T)	WEIGHT (KG)
900	6+1,52+6	27
1000	6+1,52+6	30
1100	6+1,52+6	33
1200	6+1,52+6	36

8 + 8 mm Laminated Glass 100 cm Glass Height		
LENGHT mm (W)	GLASS WIDTH (T)	WEIGHT (KG)
900	8+1,52+8	36
1000	8+1,52+8	40
1100	8+1,52+8	44
1200	8+1,52+8	48

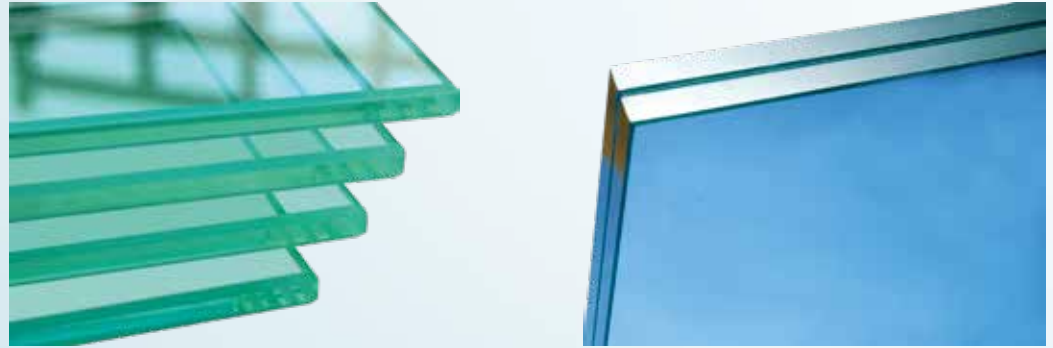
10 + 10 mm Laminated Glass 100 cm Glass Height		
LENGHT mm (W)	GLASS WIDTH (T)	WEIGHT (KG)
900	10+1,52+10	45
1000	10+1,52+10	50
1100	10+1,52+10	55
1200	10+1,52+10	60

Lamine Cam;

Lamine cam renkli veya renksiz özel bağlayıcı polivinil butiral (PVB) tabakalar yardımıyla iki veya daha fazla cam plakanın ısı ve basınç altında birleştirilmesi ile üretilir. Kırılma halinde parçaları yerinde tutarak yaralanma risklerini azaltır. Bu özelliği nedeniyle lamine güvenlik camı olarak kabul edilir.

Lamine cam, bir taraftan diğer tarafa istenmeyen geçişleri önlemesi veya geciktirmesi açısından da doğru bir seçimdir. Laminasyon eğimli veya baş üstü camlamaların iç camları için standart ve tipik bir çözümdür. Lamine, yalıtım camı üniteleri, renksiz, harmandan renkli, kaplamalı ve ısıtılabilir camlarla birlikte oluşturulabilir. Lamine cam, düşük UV geçirgenliği ile eşyaların doğal renklerinin daha uzun süre korunması ve gürültü kontrolü açısından da yararlıdır.

Standart Lamine üretimi 0.38 mm kalınlıklı renksiz PVB ile yapılmaktadır. Ayrıca 0.76, 1.14 veya 1.52 mm kalınlıklı yapılabilir. Laminasyonda kullanılan camlar temperli ise 1.52 mm kalınlıklı PVB kullanılmaktadır.



Laminated Glass;

Laminated glass is produced by combining two or more glass plates under heat and pressure with the help of colored or colorless special binder polyvinyl butyral (PVB) layers. It keeps the parts in place in case of breakage, reducing the risk of injury. Due to this feature, it is considered as laminated safety glass.

Laminated glass is also the right choice in terms of preventing or delaying unwanted transitions from one side to the other. Inner glazing of laminated curved or overhead glazing. It is a standard and typical solution for Laminated, insulating glass units that can be formed with colorless, blended tinted, coated and heat-treated glass. Laminated glass is also useful in terms of protecting the natural colors of the goods for a longer time and noise control with its low UV transmittance.

Standard Laminate production is made with 0.38 mm thick colorless PVB. In addition, it can be made with a thickness of 0.76, 1.14 or 1.52 mm. If the glass/glasses used in lamination are tempered, 1.52 mm thick PVB is used.

DK10 CAM TAŞIYICI SİSTEMİ

DK10 GLASS CARRIER SYSTEM

DK10
Serisi

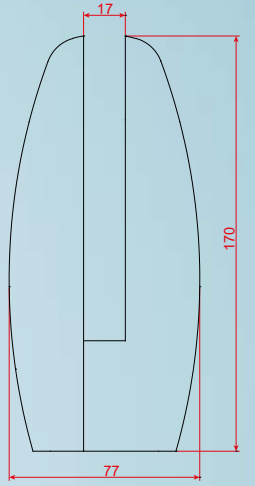


80-4050

CAM TAŞIYICI
GLASS CARRIER

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.
It provides a wide usage with alternative glass options.

Cam Glass (mm)	DK10 Serisi Cam Özellikleri DK10 Series Glass Features	
Kalınlık <i>Thickness</i>	8+8	10+10
Uzunluk <i>Lenght</i>	1500	1250
Yükseklik <i>Height</i>	1350	1500

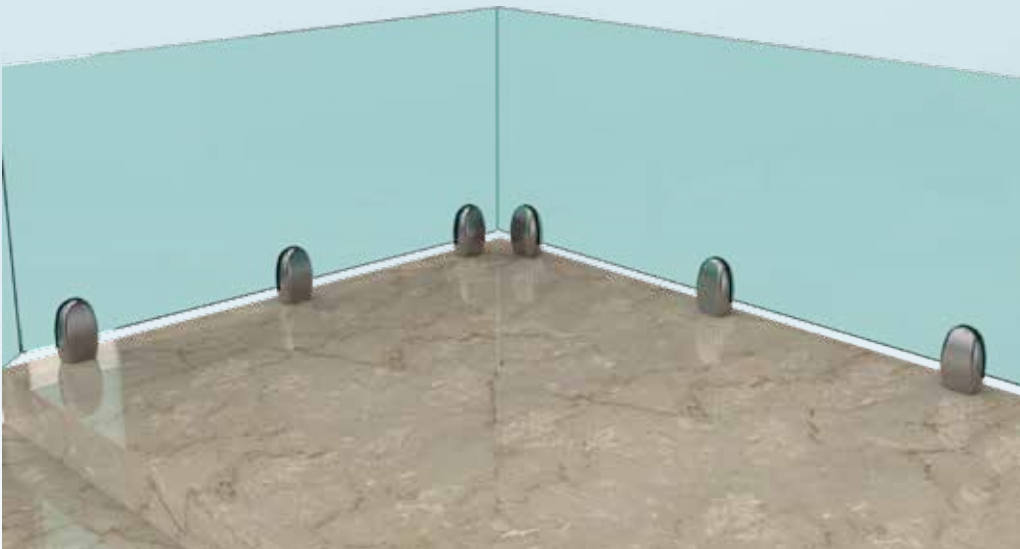


- Kolay montaj ile sağlamlığı estetiğe dönüştürür.
- Dar alanlar ve montaj zorluğu olan yerlerde avantaj sağlar.

DK10 cam korkuluk sistemi, güç veya dayanıklılıktan ödün vermeden korkuluk boylarına istenilen ölçülerde ayarlanarak görünürlüğü en üst düzeye çıkarır.

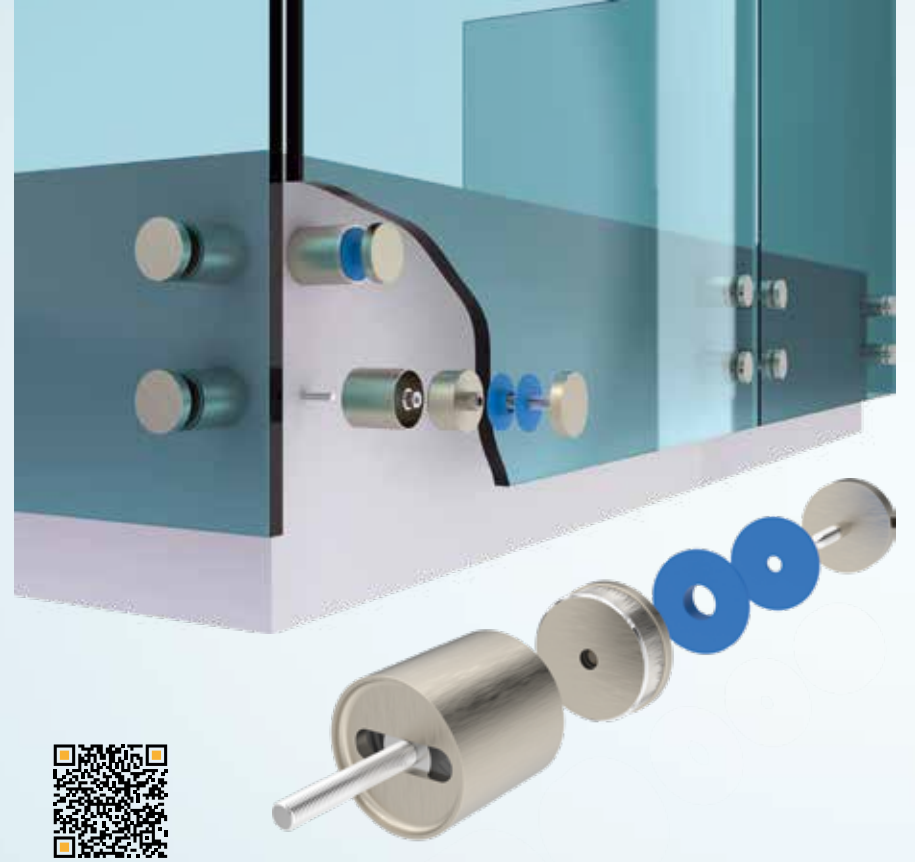
- *It transforms durability into aesthetics with easy assembly.*
- *It provides an advantage in narrow spaces and places where assembly is difficult.*

The DK10 glass balustrade system is preferred over its wearability in looks that are preferred over its heights that are not designed to fear strength or durability.



AK61 CAM ADAPTÖR SİSTEMİ

AK61 GLASS ADAPTER SYSTEM



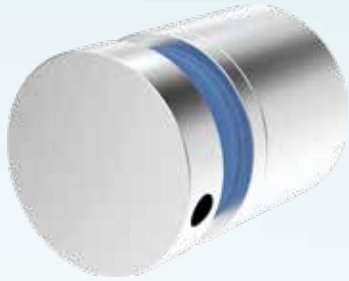
AK61 Cam Adaptörleri tamamen çerçevesiz dikey direkleri ortadan kaldıran sistemlerdir. Duvar ile bütünleşen bağlantısıyla bir bütünlük ve kesintisiz görünüm sağlar. İç ve dış mekanlarda camın zarafetini ön plana çıkartarak her duvara uyum sağlar.

- Zengin çeşitliliğiyle çelik konstrüksiyon, beton, ahşap zeminler ve diğer duvar türlerine uygulanabilir
- Kendinden ayarlanabilir özelliğiyle camda ve zeminde oluşabilecek hataları tolere edebilir.
- Kolay montaj , sağlamlık ve estetik ile yapılarınıza değer katar.

AK61 Glass Adapters are completely frameless systems that eliminate vertical pillars. It provides integrity and an uninterrupted appearance with its integration with the wall. It brings the elegance of glass to the forefront in interior and exterior spaces and adapts to any wall.

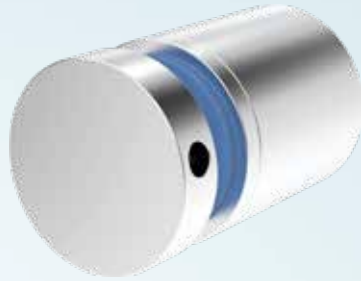
- With its wide variety, it can be applied to steel construction, concrete, wooden floors, and other wall types.
- With its self-adjustable feature, it can tolerate errors that may occur on the glass and the floor.
- It adds value to your buildings with easy assembly, durability, and aesthetics.

AK61 Serisi



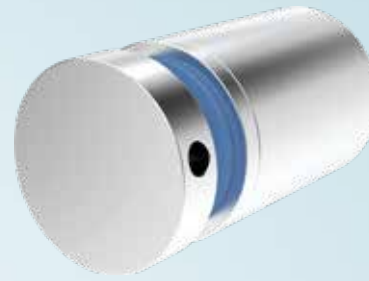
10-3040

Ø40 ADAPTÖR 5 cm
Ø40 ADAPTER 5 cm



10-3041

Ø40 ADAPTÖR 6 cm
Ø40 ADAPTER 6 cm



10-3042

Ø40 ADAPTÖR 7 cm
Ø40 ADAPTER 7 cm



10-3002

Ø42 ADAPTÖR
Ø42 ADAPTER



10-3043

Ø40 ADAPTÖR VİDALI 5 cm
Ø40 ADAPTER SCREW 5 cm



10-3044

Ø40 ADAPTÖR VİDALI 6 cm
Ø40 ADAPTER SCREW 6 cm



10-3045

Ø40 ADAPTÖR VİDALI 7 cm
Ø40 ADAPTER SCREW 7 cm



10-3001

Ø30 ADAPTÖR
Ø30 ADAPTER



10-3003

Ø35 ADAPTÖR
Ø35 ADAPTER

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

It provides a wide usage with alternative glass options.

Cam Glass (mm)	AK61 Serisi Cam Özellikleri AK61 Series Glass Features			
Kalınlık Thickness	5+5	6+6	8+8	10+10
Uzunluk Length	2000	1750	1500	1250
Yükseklik Height	1100	1250	1350	1500



AK61 CAM ADAPTÖR SİSTEMİ

AK61 GLASS ADAPTER SYSTEM



10-3006

40x40 ÇİFTLİ ADAPTÖR
40x40 DOUBLE ADAPTER



10-3005

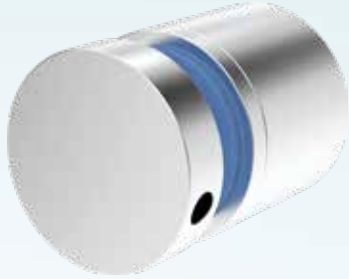
Ø50 ÇİFTLİ ADAPTÖR
Ø50 DOUBLE ADAPTER



10-3007

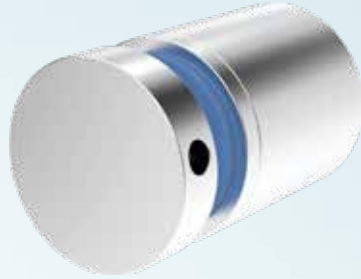
Ø50 ÇİFTLİ ADAPTÖR
Ø50 DOUBLE ADAPTER





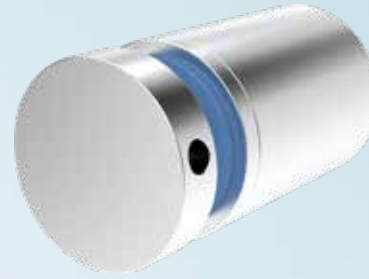
10-3050

Ø50 ADAPTÖR 5 cm
Ø50 ADAPTER 5 cm



10-3051

Ø50 ADAPTÖR 6 cm
Ø50 ADAPTER 6 cm



10-3052

Ø50 ADAPTÖR 7 cm
Ø50 ADAPTER 7 cm



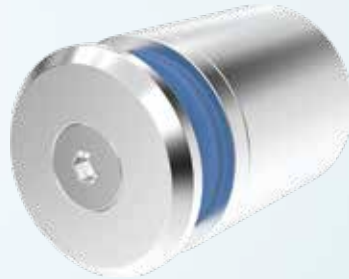
10-3004

40x40 ADAPTÖR
40x40 ADAPTER



10-3053

Ø50 ADAPTÖR VİDALI 5 cm
Ø50 ADAPTER SCREW 5 cm



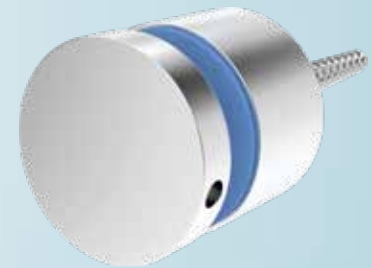
10-3054

Ø50 ADAPTÖR VİDALI 6 cm
Ø50 ADAPTER SCREW 6 cm



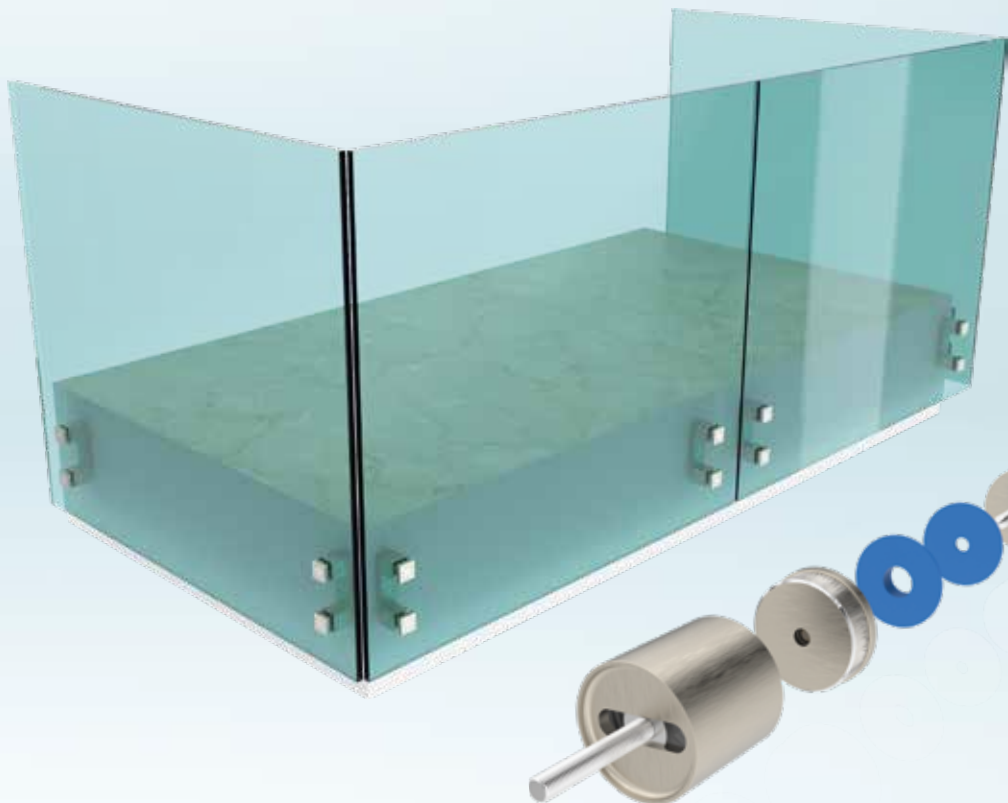
10-3055

Ø50 ADAPTÖR VİDALI 7 cm
Ø50 ADAPTER SCREW 7 cm



10-3056

Ø50 ADAPTÖR (3-4-5 cm)
Ø50 ADAPTER (3-4-5 cm)



AK61 Cam Adaptörleri tamamen çerçevesiz dikey direkleri ortadan kaldıran sistemlerdir. Duvar ile bütünleşen bağlantısıyla bir bütünlük ve kesintisiz görünüm sağlar. İç ve dış mekanlarda camın zarafetini ön plana çıkartarak her duvara uyum sağlar.

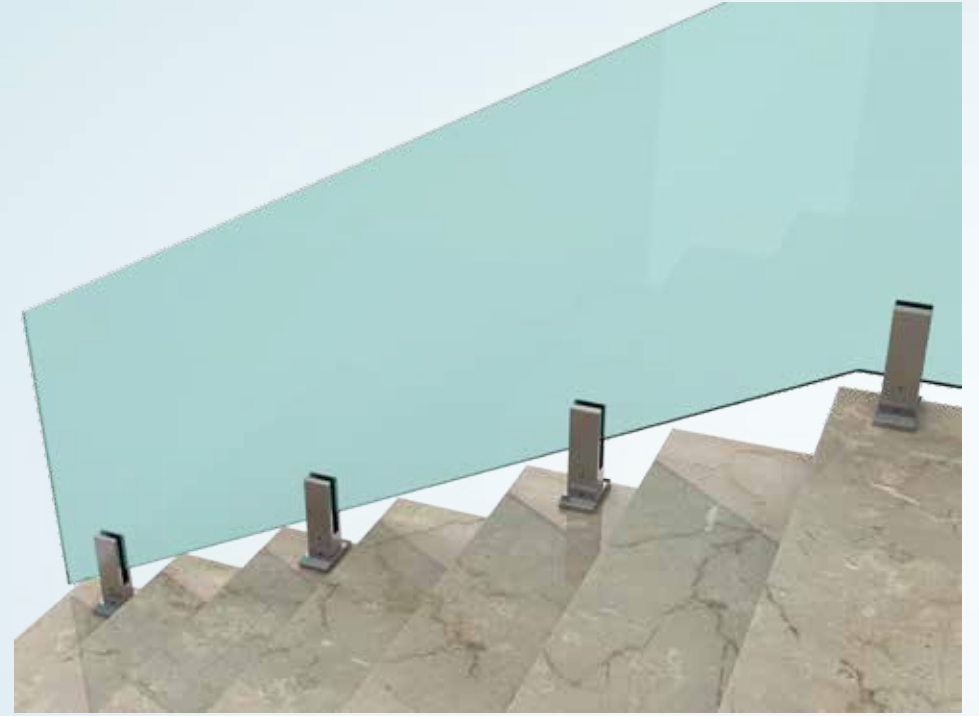
- Zengin çeşitliliğiyle çelik konstrüksiyon, beton, ahşap zeminler ve diğer duvar türlerine uygulanabilir.
- Kendinden ayarlanabilir özelliğiyle camda ve zeminde oluşabilecek hataları tolere edebilir.
- Kolay montaj, sağlamlık ve estetik ile yapılarınıza değer katar.

AK61 Glass Adapters are completely frameless systems that eliminate vertical pillars. It provides integrity and an uninterrupted appearance with its integration with the wall. It brings the elegance of glass to the forefront in interior and exterior spaces and adapts to any wall.

- With its wide variety, it can be applied to steel construction, concrete, wooden floors, and other wall types.
- With its self-adjustable feature, it can tolerate errors that may occur on the glass and the floor.
- It adds value to your buildings with easy assembly, durability, and aesthetics.

LM20 CAM TAŞIYICI SİSTEMİ

LM20 GLASS CARRIER SYSTEM



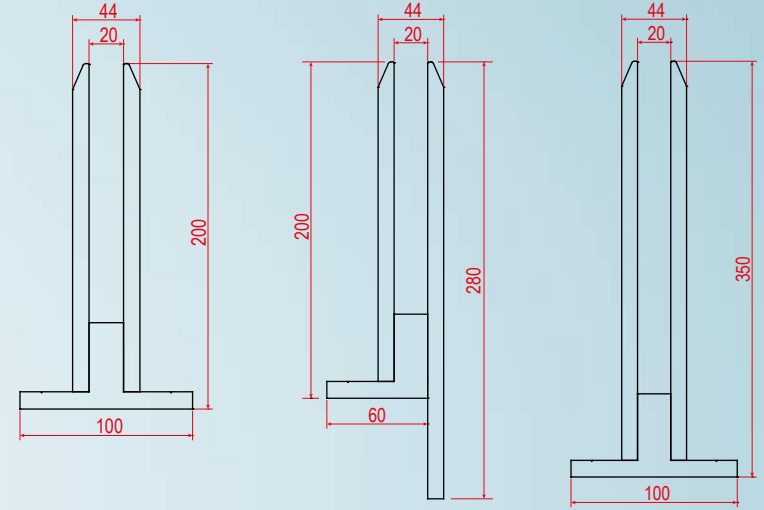
- Modüler tasarımları sayesinde, benzersiz korkuluklar oluşturarak mekânlarınızı görünür kılar ve binalarınızda bütünleyici bir görünüş oluşturur.
- Kolay montaj ile sağlamlığı estetiğe dönüştürür.
- Dar alanlar ve montaj zorluğu olan yerlerde avantaj sağlar.



- Thanks to its modular designs, it creates unique balustrades, making your spaces visible and creating an integral appearance in your buildings.
- It transforms durability into aesthetics with easy assembly.
- It provides an advantage in narrow spaces and places where assembly is difficult.



LM20 Serisi



80-4004

10 MM - 12 MM CAM TAŞIYICI
10 MM - 12 MM GLASS CARRIER



80-4001

16 MM CAM TAŞIYICI
16 MM GLASS CARRIER



80-4002

CAM TAŞIYICI
GLASS CARRIER



80-4003

CAM TAŞIYICI
GLASS CARRIER



80-4110

CAM TAŞIYICI
GLASS CARRIER



80-4101

CAM TAŞIYICI
GLASS CARRIER



80-4102

CAM TAŞIYICI
GLASS CARRIER



80-4103

CAM TAŞIYICI
GLASS CARRIER



80-4011

CAM TAŞIYICI
GLASS CARRIER

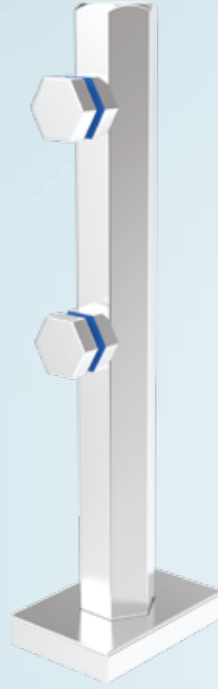


80-4010

CAM TAŞIYICI
GLASS CARRIER

CF33 CAM TAŞIYICI SİSTEMİ

CF33 GLASS CARRIER SYSTEM



80-6007

ALTIGEN CAM TAŞIYICI
HEXAGON GLASS CARRIER



80-6009

20x50 CAM TAŞIYICI OVAL PUL
20x50 GLASS CARRIER ROUND W.



80-6006

20x50 CAM TAŞIYICI KARE PUL
20x50 GLASS CARRIER SQUARE W.

CF33 SERİSİ düz olmayan yüzeylerde kullanımı kolaylaştıran seviyelendirmeye izin veren bir sistemdir.

CF33 cam korkuluk sistemi, güç veya dayanıklılıktan ödün vermeden korkuluk boylarına istenilen ölçülerde ayarlanarak görünürlüğü en üst düzeye çıkarır.



It is the CF33 SERIES that allow leveling a system that improves use on the uneven

The CF33 glass balustrade system is preferred over its wearability in looks that are preferred over its heights that are not designed to fear strength or durability.



Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.

Cam Glass (mm)	CF33 Serisi Cam Özellikleri CF33 Series Glass Features				
Kalınlık Thickness	8	5+5	6+6	8+8	10+10
Uzunluk Lenght	1250	2000	1750	1500	1250
Yükseklik Height	1000	1000	1150	1250	1500

It provides a wide usage with alternative glass options.



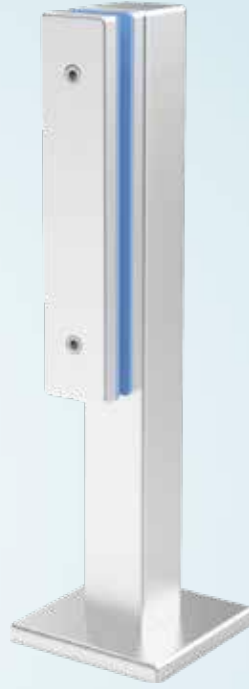
80-6002

Ø30 CAM TAŞIYICI
Ø30 GLASS CARRIER



80-6008

Ø40 YUVARLAK CAM TAŞIYICI
Ø40 ROUND GLASS CARRIER



80-6003

40x40 LAMA CAM TAŞIYICI
40x40 LAME GLASS CARRIER



80-6005

40x40 KARE PUL CAM TAŞIYICI
40x40 SQUARE W. GLASS CARRIER



80-6010

40x40 OVAL PUL CAM TAŞIYICI
40x40 ROUND W. GLASS CARRIER



80-6004

EKO CAM TAŞIYICI
ECO GLASS CARRIER



80-6001

40x40 CAM TAŞIYICI AYARLI
40x40 GLASS CARRIER ADJUSTABLE

K21 CAM TAŞIYICI SİSTEMİ

K21 GLASS CARRIER SYSTEM



80-3005

CAM TAŞIYICI 12,5 cm
GLASS CARRIER 12,5 cm



80-3002

CAM TAŞIYICI 10 cm
GLASS CARRIER 10 cm



80-3003

CAM TAŞIYICI 7,5 cm
GLASS CARRIER 7,5 cm



80-3004

CAM TAŞIYICI 5 cm
GLASS CARRIER 5 cm





80-2001

CAM TAŞIYICI 12,5 cm
GLASS CARRIER 12,5 cm



80-2002

CAM TAŞIYICI 10 cm
GLASS CARRIER 10 cm



80-2003

CAM TAŞIYICI 7,5 cm
GLASS CARRIER 7,5 cm



80-2004

CAM TAŞIYICI 5 cm
GLASS CARRIER 5 cm

Modern hatları ve son derece güçlü tasarımları ile K21 CAM AYAK SİSTEMİ tarzınızı yükseltir ve güzel, dayanıklı bir korkuluk seçeneği sunar.

Kesiminden cnc işlemesine polisajından eloksallı kaplamasına kadar özenle hazırlanan cam ayaklar ergonomik tasarımları ile yapılaraya değer katar

Merdivenler, balkonlar, havuz bölmesi, bahçe bölmesi gibi birçok yerde güvenlik ve estetik amaçlı kullanılan K21 cam ayak sistemleri ile tarzınızı ve güvenliğinizi maksimum seviyeye çıkarır.

With its modern lines and extremely strong designs, the K21 GLASS FOOT SYSTEM elevates your style and offers a beautiful, durable railing option.

Glass feet, which are carefully prepared from cutting to cnc machining, from polishing to anodized coating, add value to buildings with their ergonomic designs.

K21 glass foot systems, which are used for security and aesthetic purposes in many places such as stairs, balconies, pool partitions, garden partitions, maximize your style and safety.



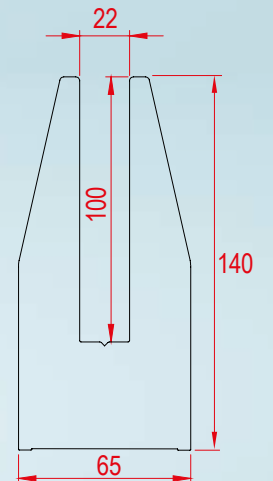
80-5001

OVAL CAM TAŞIYICI
ROUND GLASS CARRIER



80-2005

ELİPS CAM TAŞIYICI
ELLIPTIC GLASS CARRIER



K21 CAM TAŞIYICI SİSTEMİ

K21 GLASS CARRIER SYSTEM



80-7002

CAM TAŞIYICI (5-7,5 cm)
GLASS CARRIER (5-7,5 cm)



80-7008

CAM TAŞIYICI
GLASS CARRIER



80-7005

CAM TAŞIYICI
GLASS CARRIER



80-7006

CAM TAŞIYICI
GLASS CARRIER



80-7007

CAM TAŞIYICI
GLASS CARRIER

K21 SERİSİ düz olmayan yüzeylerde kullanımı kolaylaştıran seviyelendirmeye izin veren bir sistemdir. K21 cam korkuluk sistemi, güç veya dayanıklılıktan ödün vermeden korkuluk boylarına istenilen ölçülerde ayarlanarak görünürlüğü en üst düzeye çıkarır.

It is the K21 SERIES that allow leveling a system that improves use on the uneven. The K21 glass balustrade system is preferred over its wearability in looks that are preferred over its heights that are not designed to fear strength or durability.



Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.
It provides a wide usage with alternative glass options.

Cam Glass (mm)	K21 Serisi Cam Özellikleri K21 Series Glass Features					
Kalınlık Thickness	6	8	5+5	6+6	8+8	10+10
Uzunluk Length	1000	1250	2000	1750	1500	1250
Yükseklik Height	900	1000	1000	1150	1250	1500



80-7003

CAM TAŞIYICI
GLASS CARRIER



80-7004

CAM TAŞIYICI
GLASS CARRIER



80-5003

CAM TAŞIYICI
GLASS CARRIER



80-5002

CAM TAŞIYICI
GLASS CARRIER



80-5005

CAM TAŞIYICI
GLASS CARRIER

Cam Glass (mm)	K21 Küçük Serisi Cam Özellikleri <i>K21 Small Series Glass Features</i>			
Kalınlık <i>Thickness</i>	6	8	5+5	6+6
Uzunluk <i>Lenght</i>	1000	1250	2000	1750
Yükseklik <i>Height</i>	900	1000	1000	1150

Alternatifli cam seçenekleri ile geniş bir kullanım sağlamaktadır.
It provides a wide usage with alternative glass options.



80-5010

KÜÇÜK CAM TAŞIYICI
SMALL GLASS CARRIER



80-5011

KÜÇÜK CAM TAŞIYICI
SMALL GLASS CARRIER



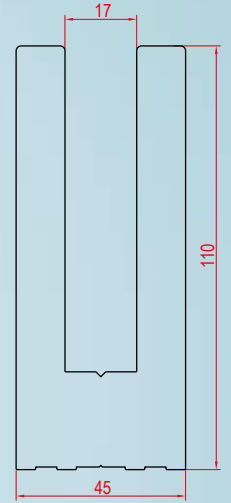
80-5012

KÜÇÜK CAM TAŞIYICI
SMALL GLASS CARRIER



80-5013

KÜÇÜK CAM TAŞIYICI
SMALL GLASS CARRIER



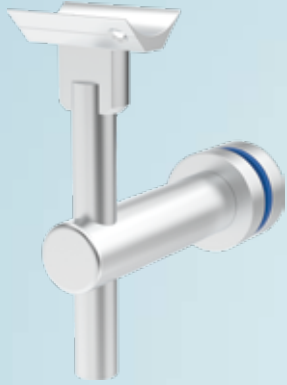
S29 CAM TUTAMAK SİSTEMİ

S29 GLASS HANDLE SYSTEM



10-5012

ALTİGEN CAM TUTAMAĞI
HEXAGON GLASS HANDLE



10-5013

KANADA CAM TUTAMAĞI
CANADA GLASS HANDLE



10-5006

KARE CAM TUTAMAĞI
SQUARE GLASS HANDLE



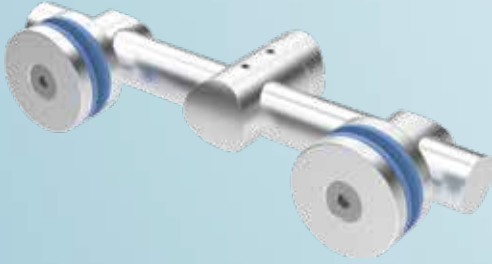
10-5005

LAMA CAM TUTAMAĞI
LAME GLASS HANDLE



10-5007

OVAL CAM TUTAMAĞI
ROUND GLASS HANDLE



10-5010

ÇİFTLİ CAM TUTAMAĞI
DOUBLE GLASS HANDLE



10-5011

TEKLİ CAM TUTAMAĞI
SINGLE GLASS HANDLE



10-5004

EKO CAM TUTAMAĞI
ECO GLASS HANDLE



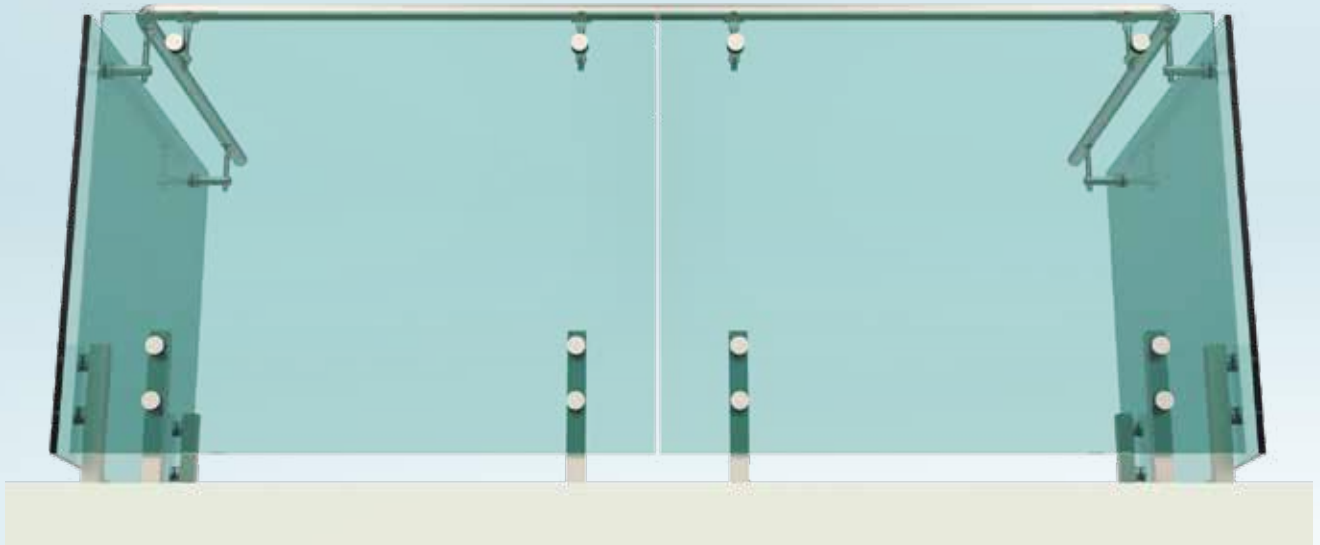
15-5010

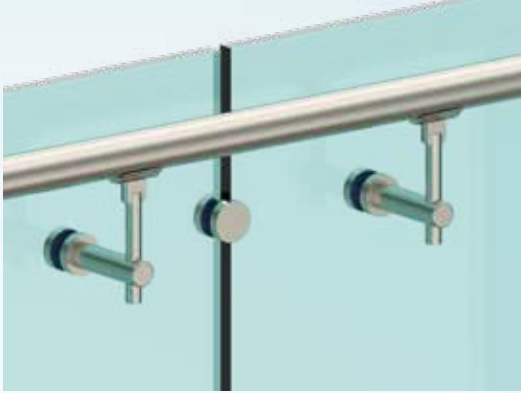
DUVAR KOLÇAĞI
WALL SIDE L CONNECTOR



10-5020

CAM TUTAMAK SETİ
GLASS HANDLE SET





Cam Glass (mm)	S29 Serisi Cam Özellikleri S29 Series Glass Features					
Kalınlık Thickness	6	8	5+5	6+6	8+8	10+10

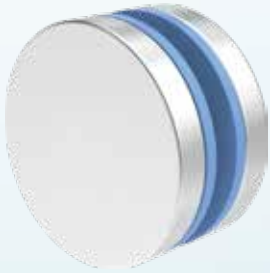


S29 cam kolçak ve destek sistemi;

Cam baza sistemlerinde dayanak ve tutamak yapımı için kullanılan S29 sistemi cam ile alüminyum arasında mükemmel geçişi sağlar. Oluşturulan el tutamaklarında güvenliği ve estetiği ön plana çıkarır. Tüm cam kalınlıklarına uyumludur

S29 glass armrest and aligner system;

The S29 system, which is used for the construction of abutments and handles in glass plinth systems, provides a perfect transition between glass and aluminum. Highlights safety and aesthetics in the handgrips created. Compatible with all glass thicknesses.



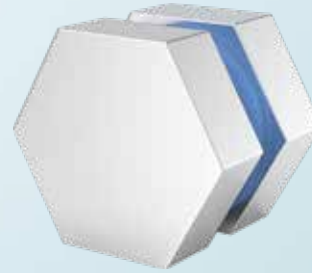
10-5008

OVAL CAM DESTEKLEYİCİ
ROUND SUPPORT ALIGNER



10-5009

KARE CAM DESTEKLEYİCİ
SQUARE SUPPORT ALIGNER



10-5014

ALTIGEN CAM DESTEKLEYİCİ
HEXAGON SUPPORT ALIGNER





LAMA DİKME SİSTEMİ

LAMA STRUTS SYSTEM

LM80
Serisi



70-1001

LAMA DİKME
LAMA STRUTS



70-1002

LAMA DİKME
LAMA STRUTS



70-1003

LAMA DİKME
LAMA STRUTS



70-1004

LAMA DİKME
LAMA STRUTS



70-1007

LAMA DİKME
LAMA STRUTS



70-1006

LAMA DİKME
LAMA STRUTS



70-1005

LAMA DİKME
LAMA STRUTS



70-1008

LAMA DİKME
LAMA STRUTS



70-1009

LAMA DİKME
LAMA STRUTS

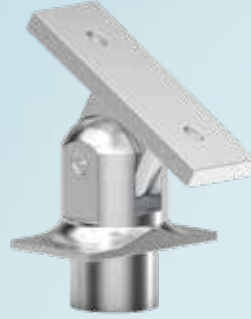
40 x 25 KARE AKSESUARLARI

SQUARE 40 x 25 ACCESSORIES



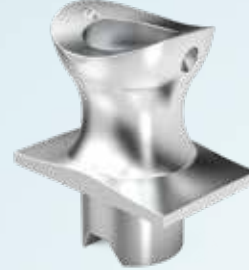
40-2501

40x25 ÜST BAĞLANTI TK
40X25 CONNECTOR SET
WITH JOINT



40-2502

40x25 LAMALI ÜST BAĞLANTI TK
40X25 CONNECTOR SET WITH
JOINT WITH LAME



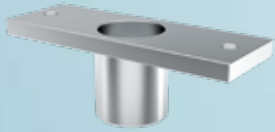
41-2501

40x25 SABİT MAFSAL
40X25 CONNECTOR FITTING



41-2502

40x25 LAMALI SABİT MAFSAL
40X25 CONNECTOR FITTING
WITH LAME



41-4006

LAMALI GİZLİ SABİT MAFSAL
HIDDEN FIXED CONNECTOR
FITTING



42-2501

40x25 DİKME FLANŞ
40X25 GROUND FLANGE



45-4003

40x40 UZATMA APARATI
40X40 EXTENSION
APPARATUS



45-4002

KARE DUVAR L BAĞLANTI
SQUARE WLLA L
CONNECTION



40 x 40 KARE AKSESUARLARI

SQUARE 40 x 40 ACCESSORIES

KARE
SQUARE
Serisi



40-4001

40 x 40 ÜST BAĞLANTI TK D.G.
40X40 CONNECTOR SET
WITH JOINT (CAPPED)



40-4002

40 x 40 ÜST BAĞLANTI TK
40X40 CONNECTOR SET
WITH JOINT



41-4003

40 x 40 SABİT MAFSAL D.G.
40X40 CONNECTOR FITTING
(CAPPED)



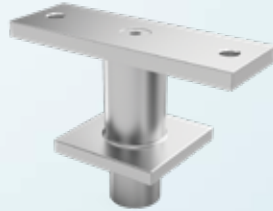
41-4004

40 x 40 SABİT MAFSAL
40X40 CONNECTOR FITTING



41-4001

40 x 40 LAMALI SABİT MAFSAL
40X40 CONNECTOR FITTING
WITH JOINT FLAT



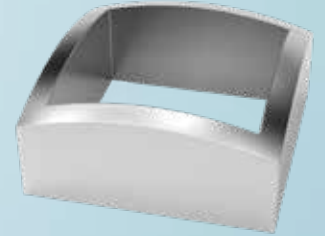
41-4002

40 x 40 LAMALI SABİT MAFSAL D.G.
40X40 CONNECTOR SET WITH
JOINT FLAT (CAPPED)



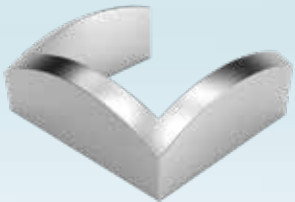
40-4003

40 x 40 LAMALI ÜST BAĞLANTI TK
40X40 CONNECTOR FITTING
WITH LAME



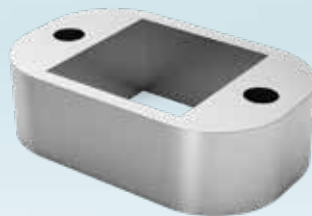
42-4001

40 x 40 DİKME FLANŞI
40X40 GROUND FLANGE



42-4002

40 x 40 DİKME FLANŞI U
40X40 GROUND FLANGE U TYPE



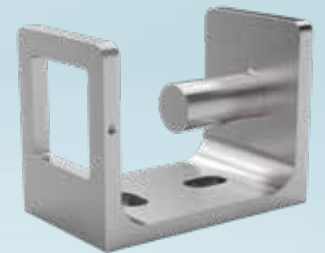
43-4001

40 x 40 DIŞTAN DUVAR FLANŞ
40X40 GROUND FLANGE
EXTERNALLY SCREWED



44-4002

40 x 40 KARE TAPA
40X40 PLUG

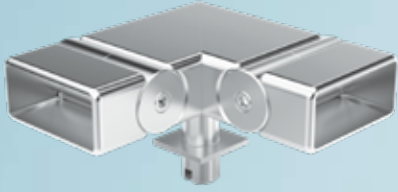


45-4001

40 x 40 YANDAN U BAĞLANTI
40X40 SIDE WLLA
CONNECTION U TYPE

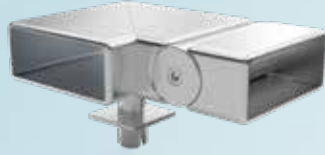
60 x 25 KARE AKSESUARLARI

SQUARE 60 x 25 ACCESSORIES



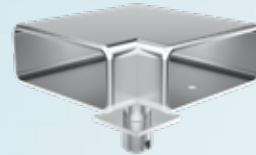
47-6016

60x25 DİRSEK VAZOLU 45-90-45
60X25 ELBOW WITH BOTH SIDE
MOVING 45-90-45



47-6015

60x25 DİRSEK VAZOLU 45°-90°
60X25 ELBOW WITH ONE SIDE
MOVING 45-90



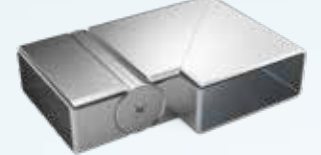
47-6014

60x25 DİRSEK VAZOLU 90°
60X25 ELBOW 90°



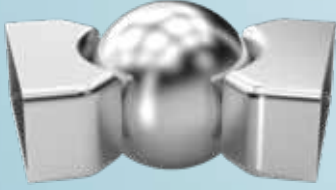
47-6003

60x25 DİRSEK 45-90-45
60X25 ELBOW WITH BOTH
SIDE MOVING 45-90-45



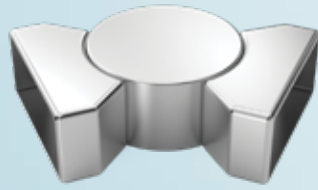
47-6002

60x25 DİRSEK 45 - 90
60X25 ELBOW WITH ONE
SIDE MOVING 45-90



47-6005

60x25 KÜRE DİRSEK
60X25 ELBOW WITH
ADJUSTABLE MOVING



47-6004

60x25 YATAY DİRSEK
60X25 ELBOW WITH
HORIZONTAL MOVING



47-6001

60x25 AÇILI DİRSEK
60X25 ELBOW WITH
VERTICAL MOVING



47-6006

60x25 DİRSEK DİKEY
60X25 FIXED
ELBOW VERTICAL



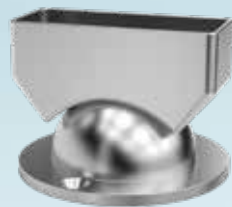
43-6005

60x25 DUVAR FLANŞI DİKEY
60X25 VERTICAL
WALL FLANGE



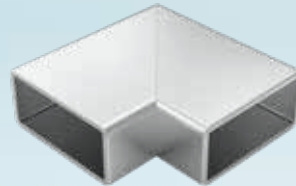
43-6006

60x25 DUVAR FLANŞI YATAY
60X25 ADJUSTABLE
WALL FLANGE



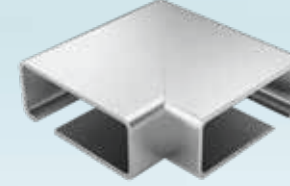
43-6007

60x25 DUVAR FLANŞI UFO
60X25 ADJUSTABLE
WALL FLANGE



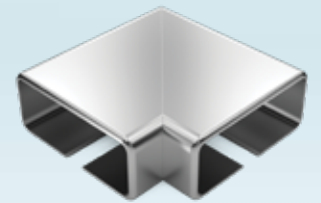
47-6008

60x25 KAPALI DİRSEK 90°
60X25 ELBOW 90°
WITHOUT CHANNEL



47-6009

60x25 Ö.KANAL DİRSEK 90°
60X25 ELBOW 90° WITH
FRONT GLASS CHANNEL



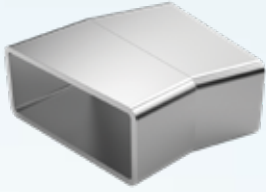
47-6010

60x25 O. KANAL DİRSEK 90°
60X25 ELBOW 90° WITH
MIDDLE GLASS CHANNEL

60 x 25 KARE AKSESUARLARI

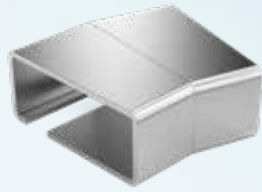
SQUARE 60 x 25 ACCESSORIES

KARE
SQUARE
Serisi



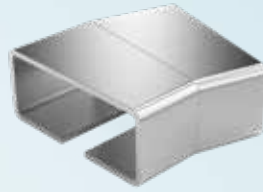
47-6011

60x25 KAPALI DİRSEK 45°
60X25 ELBOW 45°
WITHOUT CHANNEL



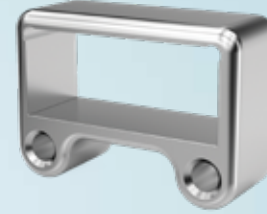
47-6012

60x25 Ö. KANAL DİRSEK 45°
60X25 ELBOW 45° WITH
FRONT GLASS CHANNEL



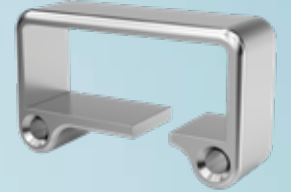
47-6013

60x25 O.KANAL DİRSEK 45°
60X25 ELBOW 45° WITH
MIDDLE GLASS CHANNEL



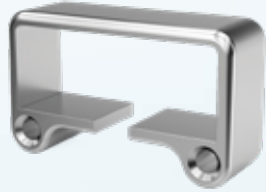
43-6008

60x25 DUVAR FLANŞI
60X25 WALL FLANGE
EXTERNALLY SCREWED



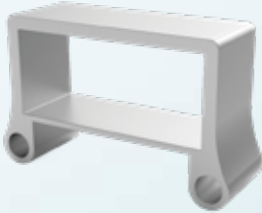
43-6009

60x25 DUVAR FLANŞI Ö.KANAL
60X25 WALL FLANGE WITH
FRONT GLASS CHANNEL



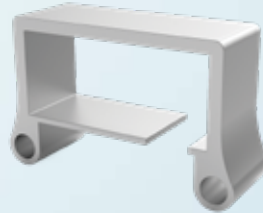
43-6010

60x25 DUVAR FLANŞI O. KANALI
60X25 WALL FLANGE WITH
MIDDLE GLASS CHANNEL



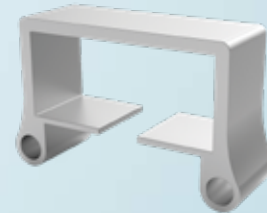
43-6001

60x25 DIŞTAN DUVAR FLANŞI
60X25 WALL FLANGE
EXTERNALLY SCREWED



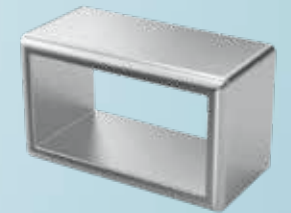
43-6002

60x25 DUVAR FLANŞI Ö.KANAL
60X25 WALL FLANGE WITH
FRONT GLASS CHANNEL



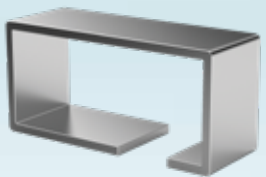
43-6003

60x25 DUVAR FLANŞI O. KANALI
60X25 WALL FLANGE WITH
MIDDLE GLASS CHANNEL



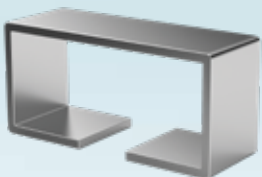
46-6001

60x25 BİLEZİK
60X25 RING



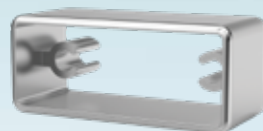
46-6002

60x25 BİLEZİK ÖNDEN KANALI
60X25 RING WITH FRONT
GLASS CHANNEL



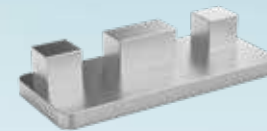
46-6003

60x25 BİLEZİK ORTADAN KANALI
60X25 RING WITH MIDDLE
GLASS CHANNEL



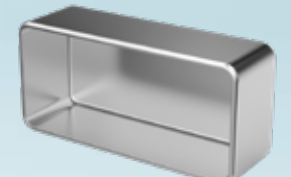
43-6004

60x25 İÇTEN V.DUVAR FLANŞI
60X25 WALL FLANGE
INTERNALLY SCREWED



44-6002

60x25 İÇE GEÇME TAPA
60X25 PLUG INTERNALLY

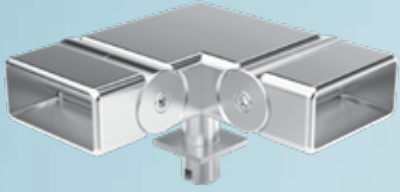


44-6001

60x25 TAPA DIŞA GEÇME
60X25 PLUG EXTERNALLY

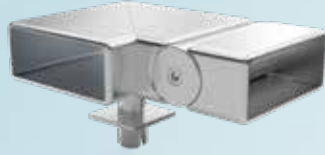
80 x 30 KARE AKSESUARLARI

SQUARE 80 x 30 ACCESSORIES



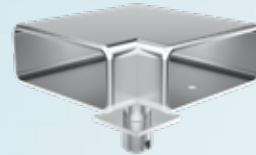
47-8006

80x30 DİRSEK VAZOLU 45-90-45
80X30 ELBOW WITH BOTH
SIDE MOVING 45-90-45



47-8005

80x30 DİRSEK VAZOLU 45-90
80X30 ELBOW WITH ONE
SIDE MOVING 45-90



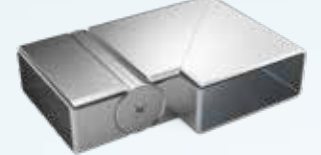
47-8004

80x30 DİRSEK VAZOLU 90
80X30 ELBOW 90° WITH
FRONT GLASS CHANNEL



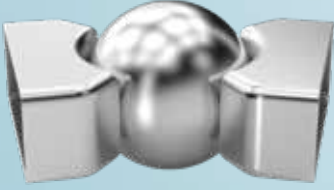
47-8003

80x30 DİRSEK 45-90-45
80X30 ELBOW WITH
BOTH SIDE MOVING 45-90-45



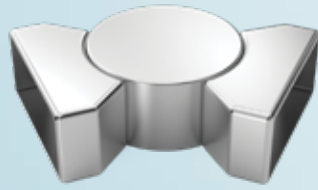
47-8002

80x30 DİRSEK 45-90
80X30 ELBOW WITH ONE
SIDE MOVING 45-90



47-8016

80x30 KÜRE DİRSEK
80X30 ELBOW WITH
ADJUSTABLE MOVING



47-8014

80x30 YATAY DİRSEK
80X30 ELBOW WITH
HORIZONTAL MOVING



47-8001

80x30 DİRSEK DİKEY
80X30 FIXED
ELBOW VERTICAL



47-8015

80x30 AÇILI DİRSEK
80X30 ELBOW WITH
VERTICAL MOVING



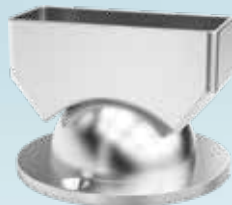
43-8005

80x30 DUVAR FLANŞI DİKEY
80X30 VERTICAL
WALL FLANGE



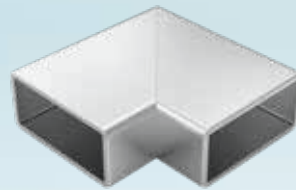
43-8006

80x30 DUVAR FLANŞI YATAY
80X30 ADJUSTABLE
WALL FLANGE



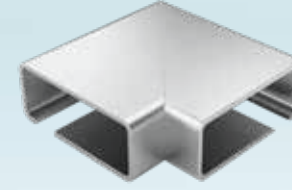
43-8007

80x30 DUVAR FLANŞI UFO
80X30 ADJUSTABLE
WALL FLANGE



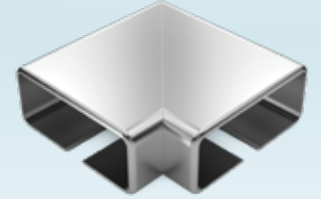
47-8007

80x30 KAPALI DİRSEK 90
80X30 ELBOW 90°
WITHOUT CHANNEL



47-8008

80x30 O.KANAL DİRSEK 90
80X30 ELBOW 90° WITH
MIDDLE GLASS CHANNEL



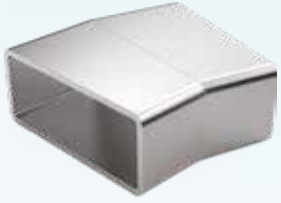
47-8009

80x30 Ö.KANAL DİRSEK 90
80X30 ELBOW 90° WITH
FRONT GLASS CHANNEL

80 x 30 KARE AKSESUARLARI

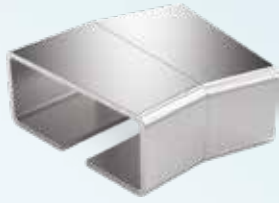
SQUARE 80 x 30 ACCESSORIES

KARE
SQUARE
Serisi



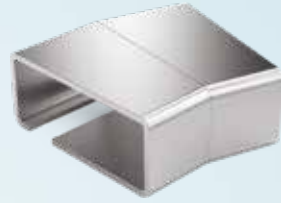
47-8011

80x30 KAPALI DİRSEK 45°
80X30 ELBOW 45°
WITHOUT CHANNEL



47-8012

80x30 O.KANAL DİRSEK 45°
80X30 ELBOW 45° WITH
MIDDLE GLASS CHANNEL



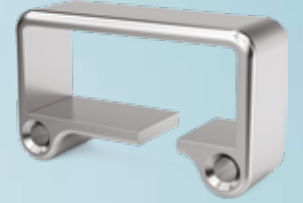
47-8013

80x30 Ö.KANAL DİRSEK 45°
80X30 ELBOW 45° WITH
FRONT GLASS CHANNEL



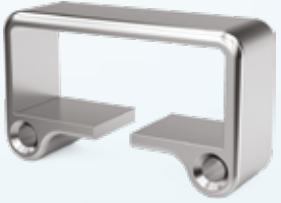
43-8008

80x30 DUVAR FLANŞI
80X30 WALL FLANGE
EXTERNALLY SCREWED



43-8009

80x30 DUVAR FLANŞI Ö.KANAL
80X30 WALL FLANGE WITH
FRONT GLASS CHANNEL



43-8010

80x30 DUVAR FLANŞI O.KANAL
80X30 WALL FLANGE WITH
MIDDLE GLASS CHANNEL



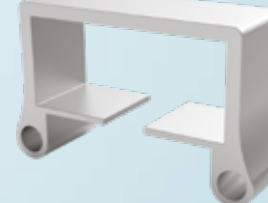
43-8001

80x30 DUVAR FLANŞI
80X30 WALL FLANGE
EXTERNALLY SCREWED



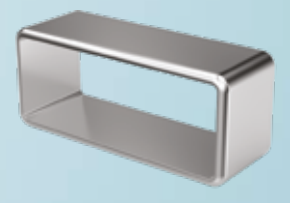
43-8002

80x30 DUVAR FLANŞI Ö.KANAL
80X30 WALL FLANGE WITH
FRONT GLASS CHANNEL



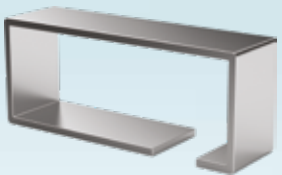
43-8003

80x30 DUVAR FLANŞI O.KANAL
80X30 WALL FLANGE WITH
MIDDLE GLASS CHANNEL



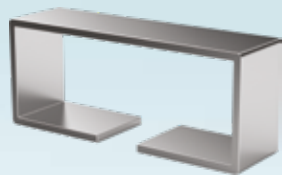
46-8001

80x30 BİLEZİK
80X30 RING



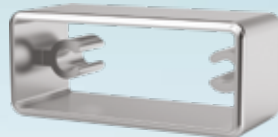
46-8002

80x30 BİLEZİK Ö.KANAL
80X30 RING WITH FRONT
GLASS CHANNEL



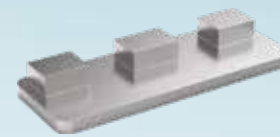
46-8003

80x30 BİLEZİK O.KANAL
80X30 RING WITH MIDDLE
GLASS CHANNEL



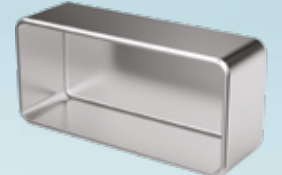
43-8004

80x30 İÇTEN V.DUVAR FLANŞI
80X30 WALL FLANGE
INTERNALLY SCREWED



44-8002

80x30 İÇE GEÇME TAPA
80X30 PLUG INTERNALLY



44-8001

80x30 TAPA DIŞA GEÇME
80X30 PLUG EXTERNALLY

14 x 14 KARE AKSESUARLARI

SQUARE 14 x 14 ACCESSORIES



48-1404

14 x 14 HAREKETLİ DİRSEK
DIŞA GEÇME
14X14 MM VERTICAL
ADJUSTABLE ELBOW



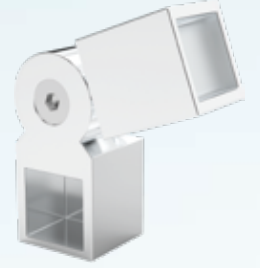
48-1403

14 x 14 HAREKETLİ DİRSEK
İÇE GEÇME
14X14 MM ADJUSTABLE
ELBOW



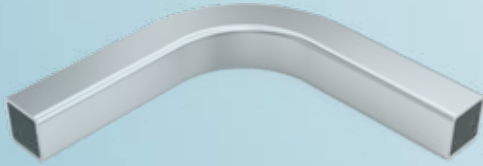
48-1405

14 x 14 HAREKETLİ DİRSEK
İÇE GEÇME PULLU
14X14 MM ADJUSTABLE
ELBOW WITH STAMP



48-1406

14 x 14 HAREKETLİ DİRSEK
14X14 MM ADJUSTABLE
ELBOW



48-1401

14 x 14 KARE DİRSEK 90
14X14 MM ELBOW 90°



48-1402

14 x 14 KARE DİRSEK 45
14X14 MM ELBOW 45°



48-1407

14 x 14 HAREKETLİ DİRSEK
14X14 MM ADJUSTABLE
ELBOW



48-1410

14 * 14 KARE BİLEZİK
14X14 MM RING



44-1402

14 x 14 KARE MIZRAK TAPA
14X14 MM DECORATIVE PLUG



44-1403

14 x 14 KARE BADEM TAPA
14X14 MM DECORATIVE PLUG



44-1404

14 x 14 KARE PRAMİT TAPA
14X14 MM DECORATIVE PLUG



44-1401

14 x 14 KARE TAPA
14X14 MM PLUG

14 x 14 KARE AKSESUARLARI

SQUARE 14 x 14 ACCESSORIES

KARE
SQUARE
Serisi



48-1444

14 * 14 BORU TUTAMAĞI ÇİFT
HAREKETLİ
14X14 MM PIPE HANDLE WITH
BOTH SIDE



48-1443

14 * 14 BORU TUTAMAĞI
HAREKETLİ
14X14 MM PIPE HANDLE
MOVING PLAIN



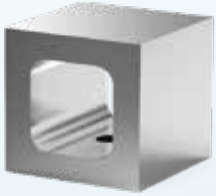
48-1440

14 * 14 PİMLİ BORU TUTAMAĞI
14X14 MM PIPE HANDLE



48-1441

14 * 14 BORU TUTAMAĞI
14X14 MM PIPE HANDLE



48-1442

14 * 14 BORU TUTAMAĞI
14X14 MM PIPE HANDLE



48-1445

14 X 14 PROFİL SPIDER CAM TUTUCU
14X14 MM PIPE HANDLE WITH
GLASS SPIDER



48-1420

14 x 14 KARE ALM VİDA
GİZLEME
SQUARE SCREW HIDDING



48-1430

14 X 14 JUMBO PROFİL
14X14 MM JUMBO PIPE



16 x 22 - 30 x 25 KARE AKSESUARLARI

SQUARE 16 x 22 - 30 x 25 ACCESSORIES



49-1601

16 x 22 DİRSEK 90°
16X22 MM ELBOW 90°



49-1602

16 x 22 DİRSEK 45°
16X22 MM ELBOW 45°



49-1610

16 x 22 BİLEZİK
16X22 MM RING



49-1621

16 x 22 DIŞA GEÇME TAPA
16X22 MM PLUG



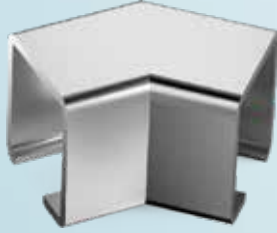
49-1622

16 x 22 DUVAR FLANŞI
16X22 MM WALL FLANGE



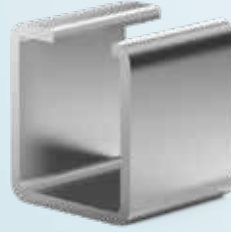
50-3001

30 x 25 DİRSEK 90°
30X25 MM ELBOW 90°



50-3002

30 x 25 DİRSEK 45°
30X25 MM ELBOW 45°



50-3003

30 x 25 BİLEZİK
30X25 MM RING



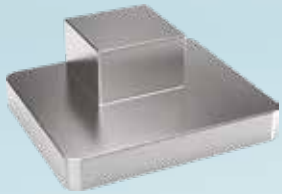
50-3004

30 x 25 DIŞA GEÇME TAPASI
30X25 PLUG EXTERNALLY



50-3006

30 x 25 DUVAR FLANŞI
30X25 MM WALL FLANGE



50-3005

30 x 25 İÇE GEÇME TAPASI
30X25 PLUG INTERNALLY



KARE DİKME AKSESUARLARI

SQUARE STRUTS ACCESSORIES

KARE
SQUARE
Serisi



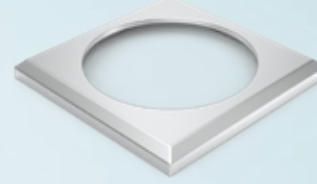
13-1001

100 LİK BAŞLANGIÇ TOPUZU
100' KNOB PLUG



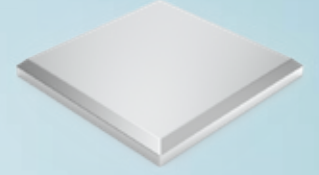
13-8501

85 x 85 BAŞLANGIÇ TOPUZU
85X85 KNOB PLUG



51-7001

70 X 70 ÜST TAPA
70X70 MM PERFORATED COVER



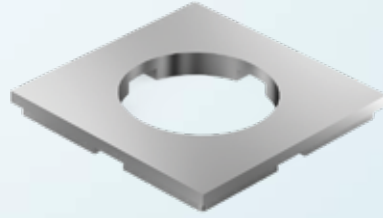
51-7002

70 X 70 ÜST TAPA
70X70 MM PERFORATED COVER



51-1002

100 X 100 DELİKLİ TAPA
100X100 MM PERFORATED
COVER



51-1003

100 X 100 ÜST TAPA
100X100 MM PERFORATED
COVER



42-7001

70 x 70 DİKME FLANŞ
70 x 70 MM GROUND FLANGE



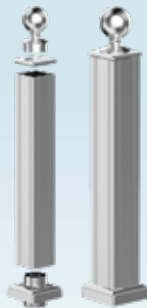
42-8501

85 x 85 DİKME FLANŞ
85 x 85 MM GROUND FLANGE



42-1001

100 x 100 DİKME FLANŞ
100 x 100 MM GROUND
FLANGE



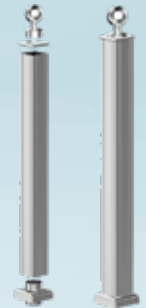
52-7001

70 X 70 BABA DİKME SETİ
70X70 STRUT PROFILE SET



52-8501

85 X 85 BABA DİKME SETİ
85X85 STRUT PROFILE SET



52-1001

100 X 100 BABA DİKME SETİ
100X100 STRUT PROFILE SET

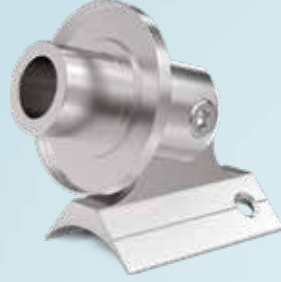
YUVARLAK 35' GRUP AKSESUARLARI

ROUND 35' GROUP ACCESSORIES



01-3502

35 LİK ÜST BAĞLANTI TK
Ø35 CONNECTOR SET WITH JOINT



01-3503

35' LİK ÜST BAĞLANTI TK D.G.
Ø35' CONNECTOR SET WITH JOINT



03-3501

35 LİK SABİT MAFSAL
Ø35' CONNECTOR FITTING



02-3502

35 LİK AYAK DOLU
Ø35' GROUND FLANGE (FULL)



02-3501

35 LİK AYAK
Ø35' GROUND FLANGE (EMPTY)



12-3501

35 LİK DUVAR FLANŞI
Ø35' WALL FLANGE



12-3502

35 LİK D.VİDALI DUVAR FLANŞI
Ø35' WALL FLANGE EXTERNALLY SCR.



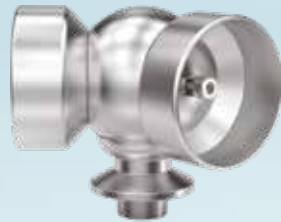
14-3501

35 LİK DEKORLU FLANŞ
Ø35' DECORATIVE FLANGE



11-3501

35 LİK BİLEZİKLİ DOLU
TOPUZ DİRSEK
Ø35' FITTING SPHERE ELBOW



11-3502

35 LİK KADEHLİ
TOPUZ DİRSEK
Ø35' FITTING SPHERE
ELBOW SET



11-3503

35 LİK EKONOMİK KADEHLİ
TOPUZ DİRSEK
Ø35' FITTING SPHERE
ELBOW SET (ECO.)



06-3501

35 LİK TAPA
Ø35' PLUG

YUVARLAK 35' GRUP AKSESUARLARI

ROUND 35' GROUP ACCESSORIES

YUVARLAK
ROUND
Serisi



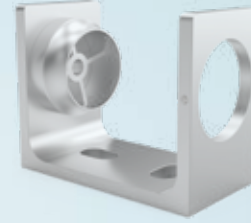
04-5005

35 x 50 KURTAĞZI
Ø35X50' SLOTTED JOINT



04-5006

35 x 35 KURTAĞZI
Ø35X35' SLOTTED JOINT



15-3501

35 LİK YANDAN U BAĞLANTI
Ø35' SIDE WALL CONNECTION U TYPE



13-3501

35 LİK BAŞLANGIÇ TOPUZ
Ø35' KNOB PLUG



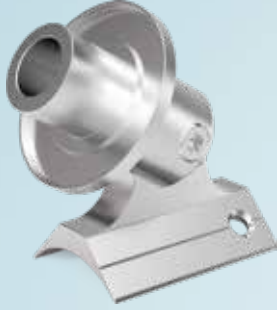
YUVARLAK 40' GRUP AKSESUARLARI

ROUND 40' GROUP ACCESSORIES



01-4001

40 LIK ÜST BAĞLANTI TAKIM
Ø40' CONNECTOR SET
WITH JOINT



01-4002

40 LIK ÜST BAĞLANTI D.G.
Ø40' CONNECTOR SET
WITH JOINT (CAPPED)



01-4003

40 LIK ÜST BAĞLANTI D.G.
Ø40' CONNECTOR SET WITH
JOINT (CAPPED-PATTERNED)



03-4001

40 LIK SABİT MAFSAL
Ø40' CONNECTOR FITTING



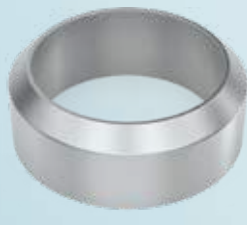
03-4003

40 LIK BÜYÜK SABİT MAFSAL D.G.
Ø40' CONNECTOR FITTING
(CAPPED)-BIG MODEL



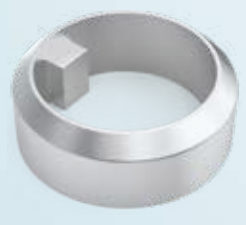
04-4001

40 X 40 KURT AĞZI
Ø40x40' CONNECTOR
FITTING



02-4004

40 LIK DİKME FLANŞI TIRNAKSIZ
Ø40' GROUND FLANGE
WITHOUT TOOTH



02-4001

40 LIK DİKME FLANŞI TEK T.
Ø40' GROUND FLANGE
ONE TOOTH



02-4005

40 LIK DİKME F. TIRNAKSIZ
Ø40' GROUND FLANGE
PATTERNED WITHOUT TOOTH



02-4006

40 LIK DİKME F. TEK TIRNAK
Ø40' GROUND FLANGE
PATTERNED WITH ONE TOOTH



04-4002

40 X 50 KURT AĞZI
Ø40x50' CONNECTOR
FITTING



02-4003

40 LIK DEKORLU DİKME F.
Ø40' GROUND FLANGE
PATTERNED



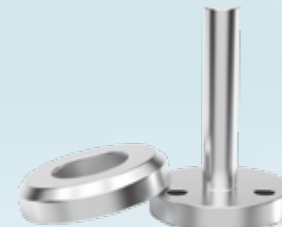
02-4002

40' LIK DİKME FLANŞ UZUN
Ø40' LONG GROUND FLANGE



15-4010

40 LIK UZATMA APARATI
Ø40' EXTENSION APPARATUS



02-4007

40 LIK ANGREAJ D.F. KAPAKLI
Ø40' SUPPORT FLANGE WITH
ANCHOR-INTERNAL (8CM)



02-4008

40 LIK DİKME FLANŞI KAPAKLI
Ø40' EXTERNAL
SUPPORT FLANGE

YUVARLAK 40' GRUP AKSESUARLARI

ROUND 40' GROUP ACCESSORIES

YUVARLAK
ROUND
Serisi



11-4001

40 LIK KADEHLİ T. DİRSEK
Ø40' FITTING SPHERE
ELBOW SET (FULL)



11-4002

40 LIK EKO KADEHLİ T. DİRSEK
Ø40' FITTING SPHERE ELBOW
SET(ECO.) EMPTY



12-4001

40 LIK D.V. DUVAR FLANŞI
Ø40' GROUND FLANGE
EXTERNALLY SCREWED



12-4005

40 LIK D.V. DUVAR FLANŞI UZUN
Ø40' GROUND FLANGE
EXTERNALLY SCREWED (LONG)



12-4004

40 LIK FLANŞ KAPAĞI
Ø40' GROUND FLANGE
COVER



12-4002

40 LIK DUVAR FLANŞ
Ø40' GROUND FLANGE
SINGLE HOLE



12-4003

40 LIK DUVAR FLANŞ ÇİFTLİ
Ø40' WALL FLANGE
(DOUBLE HOLES)



14-4001

40 LIK DEKORLU FLANŞ
Ø40' DECORATIVE FLANGE



14-4002

40 LIK DEKORLU FLANŞ ÇAM
Ø40' PATTERNED FLANGE



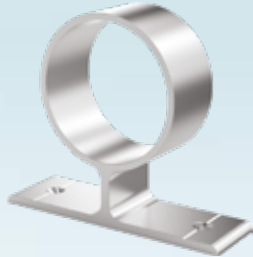
14-4003

40 LIK DEKORLU FLANŞ
Ø40' PATTERNED FLANGE



13-4001

40 LIK BAŞLANGIÇ TOPUZU
Ø40' KNOB PLUG



15-4001

40 LIK DUVAR DİBİ T
Ø40' T WLLA CON. T



15-4003

40 LIK UZUN DUVAR DİBİ T
Ø40' T WLLA CON. T LONG



15-4002

40 LIK YANDAN U BAĞLANTI
Ø40' SIDE WLLA
CONNECTION U TYPE



06-4001

40 LIK TAPA
Ø40' PLUG

YUVARLAK 50' GRUP AKSESUARLARI

ROUND 50' GROUP ACCESSORIES



01-5001

50 LİK ÜST BAĞLANTI TK D.G.
Ø50' CONNECTOR SET
WITH JOINT



01-5003

50 LİK ÜST BAĞLANTI TK DESENİ D.G.
Ø50' CONNECTOR SET
WITH JOINT (PATTERNED)



01-5004

50 LİK HAREKETLİ LAMALI BAŞLIK
Ø50' ADJUSTABLE WALL
CONNECTOR SET



04-5001

50 LİK KURTAĞZI BAĞLANTI
Ø50X50' SLOTTED JOINT



12-5003

50 LİK G. DUVAR FLANŞI (UFO)
Ø50' ADJUSTABLE WALL
FLANGE WITH COVER



12-5001

50 LİK D.V. DUVAR FLANŞI
Ø50' GROUND FLANGE
EXTERNALLY SCREWED



12-5009

50 LİK D.V. FLANŞI UZUN
Ø50' GROUND FLANGE
EXTERNALLY SCR. (LONG)



12-5002

50 LİK FLANŞ KAPAĞI
Ø50' GROUND FLANGE COVER



12-5007

50 LİK DUVAR FLANŞI Ç.DELİKLİ
Ø50' WALL FLANGE
DOUBLE HOLES



12-5005

50 LİK DUVAR FLANŞI T. DELİKLİ
Ø50' GROUND FLANGE
SINGLE HOLE



02-5002

50 LİK YER FLANŞI
Ø50' GROUND FLANGE EMPTY



02-5003

50 LİK YER FLANŞI DEKORLU
Ø50' GROUND FLANGE
PATTERNED

YUVARLAK 50' GRUP AKSESUARLARI

ROUND 50' GROUP ACCESSORIES

YUVARLAK
ROUND
Serisi



11-5003

50 LİK DOLU TOPUZ DİRSEK
Ø50' SPHERE ELBOW



11-5004

50 LİK EKO TOPUZ DİRSEK
Ø50' SPHERE ELBOW (ECO.)



11-5005

50 LİK BOŞ TOPUZ DİRSEK
Ø50' EMPTY KNOB ELBOW
SINGLE SIDED MOVING



02-5001

50 LİK AYAK DOLU
Ø50' GROUND FLANGE (FULL)



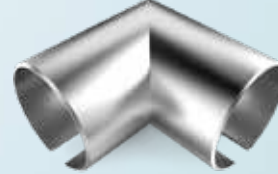
11-5001

50 LİK ŞİŞME DİRSEK 90
Ø50' INFLATE BEND 90°



11-5002

50 LİK ŞİŞME DİRSEK 45
Ø50' INFLATE BEND 45°



11-5009

50 LİK CAM KANALLI DİRSEK 90
Ø50' BEND WITH GLASS
CHANNEL 90°



11-5010

50 LİK CAM KANALLI DİRSEK 45
Ø50' BEND WITH GLASS
CHANNEL 45°



05-5001

50 LİK BİLEZİK (3CM)
Ø50' RING (3CM)



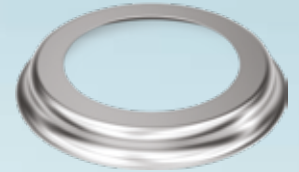
05-5002

50 LİK UZUN BİLEZİK (5CM)
Ø50' RING (5CM)



05-5003

50 LİK BAĞLANTI TAKOZU
Ø50' PIPE ANCHOR
CONNECTOR



12-5004

50 LİK DUVAR ROZETİ
Ø50' FLANGE COVER

YUVARLAK 50' GRUP AKSESUARLARI

ROUND 50' GROUP ACCESSORIES



13-5002

50 LİK KRİSTAL TOPUZ
Ø50' CRYSTAL KNOB



13-5001

50 LİK BAŞLANGIÇ TOPUZU
Ø50' KNOB PLUG



04-5002

50 LİK DELİKLİ TAPA
Ø50' PERFORATED PLUG



04-5003

50 LİK PUL I
Ø50' STAMP



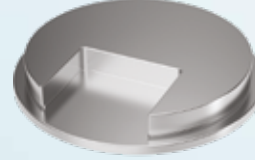
06-5001

50 LİK BOŞ TAPA
Ø50' PLUG (ECO)



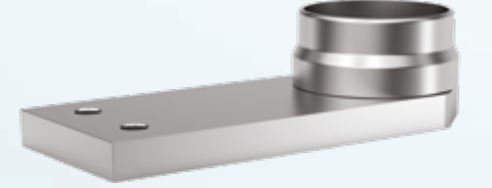
06-5002

50 LİK TAPA
Ø50' PLUG



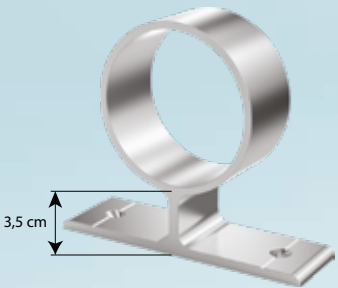
06-5003

50 LİK TAPA CAM KANALLI
Ø50' PLUG FOR GLASS
CHANNELED



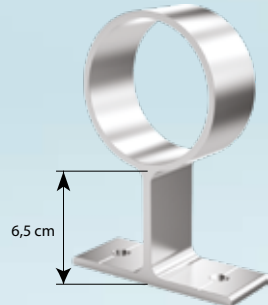
15-5004

50 LİK DİKME UZATMA APARATI
Ø50' PILLAR EXTENSION
APPARATUS



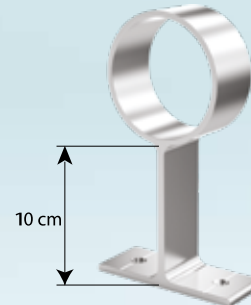
15-5001

50 LİK DUVAR DİBİ BAĞLANTI T
Ø50' T WLLA CONNECTION



15-5002

50 LİK DUVAR DİBİ BAĞLANTI T (ORTA)
Ø50' T WLLA CONNECTION (MIDDLE)



15-5003

50 LİK DUVAR DİBİ BAĞLANTI T (UZUN)
Ø50' T WLLA CONNECTION (LONG)

YUVARLAK 65' GRUP AKSESUARLARI

ROUND 65' GROUP ACCESSORIES

YUVARLAK
ROUND
Serisi



13-6501

65 LİK KRİSTAL TOPUZ
Ø65' CRYSTAL KNOB



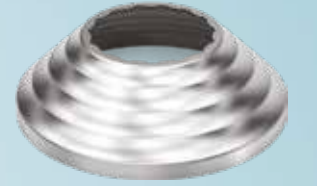
13-6503

65 LİK BAŞLANGIÇ TOPUZU
Ø65' KNOB PLUG



02-6501

65 LİK YER FLANŞI KALIN
Ø65' GROUND FLANGE



02-6502

65 LİK YER FLANŞI
Ø65' GROUND FLANGE (ECO)



02-8001

80 LİK YER FLANŞI
Ø80' GROUND FLANGE (ECO)



02-1001

100 LUK YER FLANŞI
Ø100' GROUND FLANGE (ECO)



05-6501

65 LİK BAĞLANTI TAKOZU
Ø65' PIPE ANCHOR CONNECTOR



YUVARLAK 16' GRUP AKSESUARLARI

ROUND 16' GROUP ACCESSORIES



09-1601

16' LIK BORU TUTAMAĞI PARÇALI
Ø16' PIPE HANDLE SET



09-1607

16 LIK DİKEY BORU TUTAMAĞI
Ø16x16 PIPE VERTICAL
BARRIER HOLDER



09-1608

16 LIK BORU TUTAMAĞI
ÇİFT TARAFLI
Ø16' DOUBLE PIPE
HANDLE SET



09-1602

16 LIK BORU TUTAMAĞI PİMLİ
Ø16' PIPE HANDLE



09-1603

16' LIK BORU TUTAMAĞI
PİMSİZ DESENSİZ
Ø16' PIPE HANDLE



09-1609

16' LIK BORU TUTAMAĞI
PİMSİZ DESENİ
Ø16' PIPE HANDLE



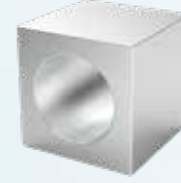
09-1610

16 LIK BORU TUTAMAĞI PİMLİ
Ø16' PIPE HANDLE



09-1611

16 LIK BORU TUTAMAĞI
Ø16' PIPE HANDLE



09-1606

16 LIK BORU TUTAMAĞI
DIŞ KARE 23 x 23 mm
Ø16' PIPE HANDLE



09-1605

16 LIK SERİT ARA DEKOR
Ø16' SINGLE DECORATIVE
SPHERE



14-1603

16 LIK DEKORLU TEK
BOĞUM DESENİ
Ø16' SINGLE
DECORATIVE SPHERE



14-1601

16 LIK DEKORLU FLANŞ
Ø16' PATTERNED
SERRATED FLANGE



14-1602

16 LIK DEKORLU
FLANŞ BOĞUMLU
Ø16' PATTERNED
SERRATED FLANGE



14-1604

16 LIK DEKORLU
BAĞDAT MODELİ
Ø16' PATTERNED
SERRATED FLANGE



14-1605

16 LIK DEKORLU ORTA
BOĞUM MODELİ
Ø16' PATTERNED SERRATED
FLANGE



06-1601

16 LIK TAPA
Ø16' PLUG



06-1602

16 LIK BADEM TAPA
Ø16' CANDLE PLUG



06-1603

16 LIK MIZRAK TAPA
Ø16' DOMED PLUG



06-1604

16 LIK TOPUZ TAPA
Ø16' KNOB PLUG



06-1605

16 LIK KÜRE TAPA
Ø16' END PLUG

YUVARLAK 16' GRUP AKSESUARLARI

ROUND 16' GROUP ACCESSORIES

YUVARLAK
ROUND
Serisi



08-1603

16 LIK HAREKETLİ DİRSEK
Ø16' SPHERE ELBOW



08-1601

16 LIK DİRSEK 90
Ø16' SPHERE ELBOW
BEND 90°



08-1602

16 LIK DİRSEK 45
Ø16' SPHERE ELBOW
BEND 45°



05-1601

16 LIK BİLEZİK
Ø16' RING (5CM)



04-1601

16 LIK PUL
Ø16' PIPE STAMP



04-1602

16 x 40 HAREKETLİ BAĞLANTI
Ø16x40' MOVING CONNECTION



12-1603

16 LIK HAREKETLİ
DUVAR FLANŞI
Ø16' ADJUSTABLE WALL FLANGE



12-1601

16 LIK DUVAR FLANŞI
Ø16' WALL FLANGE



04-1607

16 x 40 KURTAZĞI
Ø16x40' SLOTTED JOINT



12-1602

16 LIK DIŞTAN DUVAR FLANŞI
Ø16' WALL FLANGE
EXTERNALLY SCREWED



10-1601

16 LIK BORU CAM SPİDER
Ø16' PIPE GLASS CONNECTOR



07-1602

16 LIK PLASTİK VİDA GİZLEME
Ø16' PLASTIC SCREW
HIDDING



07-1601

16 LIK ALÜMİNYUM VİDA GİZLEME
Ø16' ALUMINIUM SCREW HIDDING



18-1601

16 LIK JUMBO
Ø16' JUMBO PIPE

YUVARLAK 19' GRUP AKSESUARLARI

ROUND 19' GROUP ACCESSORIES

metal & alüminyum



08-1903

19 LUK HAREKETLİ
Ø19' SPHERE ELBOW



08-1901

19 LUK 90° DİRSEK
Ø19' SPHERE ELBOW
BEND 90°



08-1902

19 LUK 45° DİRSEK
Ø19' SPHERE ELBOW
BEND 45°



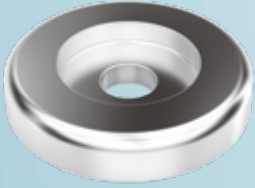
12-1901

19 LUK DUVAR FLANŞI
Ø19' WALL FLANGE



12-1902

19 LUK DUVAR FLANŞI D.V.
Ø19' WALL FLANGE
EXTERNALLY SCREWED



04-1901

19 LUK PUL
Ø19' PIPE STAMP



14-1901

19 LUK DESENLİ FLANŞ
Ø19' PATTERNED
SERRATED FLANGE



14-1902

19 LUK DESENLİ FLANŞ
Ø19' PATTERNED
SERRATED FLANGE



05-1901

19 LUK BİLEZİK
Ø19' RING (5CM)



06-1901

19 LUK TAPA
Ø19' PLUG



07-1901

19 LUK ALM. VİDA GİZLEME
Ø19' ALUMINIUM SCREW
HIDDING



07-1902

19 LUK PLS. VİDA GİZLEME
Ø19' PLASTIC SCREW
HIDDING



07-1903

19 LUK KRM. VİDA GİZLEME
Ø19' STEEL SCREW HIDDING



06-1903

19 LUK TOPUZ
Ø19' KNOB PLUG



18-1901

19 LUK JUMBO
Ø19' JUMBO PIPE

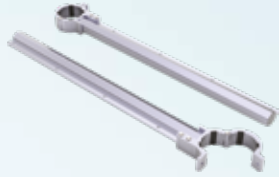
ORTAK ÜRÜNLER

COMMON PRODUCTS



20-1001

ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-1002

MENTEŞELİ ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-1003

LÜKS ÇAMAŞIRLIK
ALUMINIUM LAUNDRY (LUX)



20-1004

PVC DOĞRAMA ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-1005

KATLANIR ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-1006

DUVARA MONTE ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-1007

KÖŞELİ PROLİF ÇAMAŞIRLIK
ALUMINIUM LAUNDRY



20-6001

KARE ÇAMAŞIRLIK 60 * 25
SQUARE ALUMINIUM
LAUNDRY 60X25



20-8001

KARE ÇAMAŞIRLIK 80 * 30
SQUARE ALUMINIUM
LAUNDRY 80X30



19-1602

16 & 19 LİK BÜKÜM MAKİNASI
Ø16-19' MANUAL PIPE
BENDER



19-5001

50 LİK BORU BÜKME
MAKİNASI
Ø50' ELECTRICAL PIPE
BENDER (BIG)

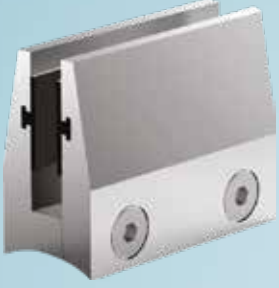


19-5002

50 LİK BORU BÜKME
MAKİNASI KÜÇÜK
Ø50' ELECTRICAL PIPE
BENDER (SMALL)

ORTAK ÜRÜNLER

COMMON PRODUCTS



10-4001

FİTİLLİ BÜYÜK CAM
KLİPSİ YENİ
ROUND BIG GLASS HOLDER



10-4002

KARE FİTİLLİ CAM KLİPSİ
SQUARE GLASS HOLDER



10-3507

OVAL FİTİLLİ CAM KLİPSİ
ROUND GLASS HOLDER



10-3505

FİTİLLİ KAPAKLI CAM KLİPSİ
ROUND GLASS HOLDER



10-3506

FİTİLLİ KAPAKLI CAM KLİPSİ
ROUND GLASS HOLDER



10-4003

YATAY CAM KLİPSİ - VİLADLI
HORIZONTAL GLASS HOLDER



10-3510

FİTİLLİ CAM KLİPSİ TEK VİDA
GLASS HOLDER SINGLE SCREW



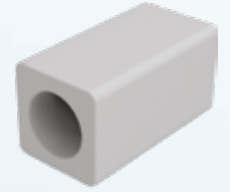
10-3501

CAM KLİPSİ
ROUND GLASS HOLDER



10-3502

40' LIK ÜST BAĞLANTI
DİŞA GEÇME
Ø40' CONNECTOR SET WITH
JOINT (CAPPED)



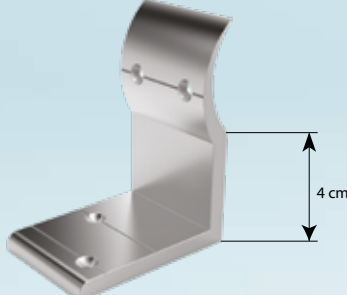
10-3503

CAM KLİPS STOBU
GLASS WEDGE PLASTIC



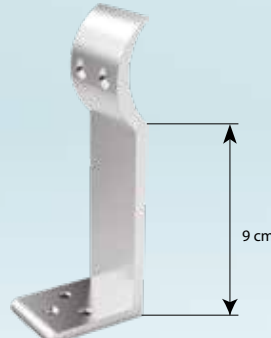
15-1002

DUVAR L BAĞLANTI 45°
WALL SIDE CONNECTOR 45°



15-1003

DUVAR L BAĞLANTI 90°
WALL SIDE CONNECTOR 90°



15-1004

DUVAR L BAĞLANTI UZUN
WALL SIDE CONNECTOR
90° LONG



15-1001

DUVAR Y BAĞLANTI
WALL Y CONECTOR



10-3504

CAM PLASTİÇİ
GLASS CLIP PLASTIC

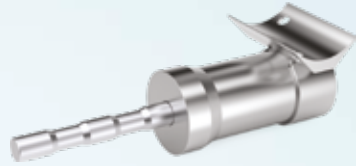
ORTAK ÜRÜNLER

COMMON PRODUCTS



15-1005

DUVAR YANDAN BAĞLANTI TK
Ø50 WALL SIDE CONNECTOR
(ECO.)



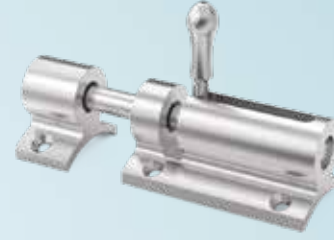
15-5005

DUVAR YANDAN BAĞLANTI
TK ANGRAJLI
Ø50 WALL SIDE CONNECTOR



16-1010

KORKULUK MENTEŞE
ALUMINIUM HINGE



16-1011

KORKULUK SÜRGÜ
ALUMINIUM SLIDE



17-3505

PLASTİK SABİTLEME
PLASTIC FIXING



17-4002

ANGREYAJ DEMİRİ
15 cm DOLU
ANCHOR 15 CM FILLED



17-4001

ANGREYAJ DEMİRİ
20 cm DOLU
ANCHOR 20 CM FILLED



17-4007

ANGREYAJ DEMİRİ
30 cm DOLU
ANCHOR 30 CM FILLED



17-4008

ANGREYAJ DEMİRİ
40 cm DOLU
ANCHOR 40 CM FILLED



17-4003

VİDALI ANGREYAJ DEMİRİ
ANCHOR 20 CM SCREWED



17-4006

BOŞ ANGREYAJ 15 cm
ANCHOR 15 CM EMPTY



17-4005

BOŞ ANGREYAJ 20 cm
ANCHOR 20 CM EMPTY



17-4004

BOŞ ANGREYAJ 40 cm
ANCHOR 30 CM EMPTY



17-3503

GİJON MİLİ 8 METRİC 120 CM
8 MM CIJON 120 CM

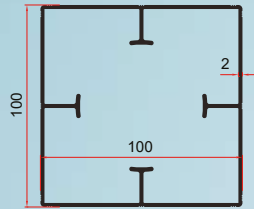


17-3501

GİJON MİLİ 8 METRİC 100 CM
8 MM CIJON 100 CM

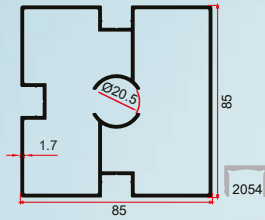
PROFİLLER

PROFILES



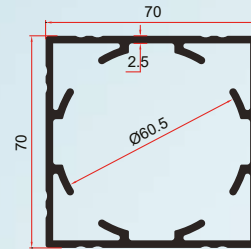
PRF 0001

2,700 KG/MT



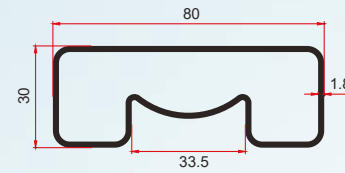
PRF 0002

2,300 KG/MT



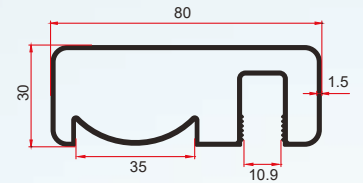
PRF 0003

2,422 KG/MT



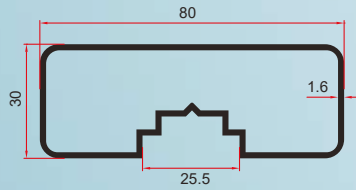
PRF 0004

1,123 KG/MT



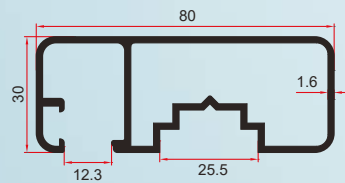
PRF 0005

1,069 KG/MT



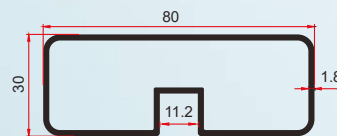
PRF 0006

0,990 KG/MT



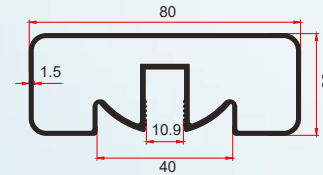
PRF 0007

1,110 KG/MT



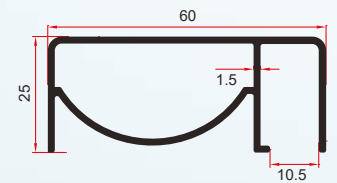
PRF 0008

1,192 KG/MT



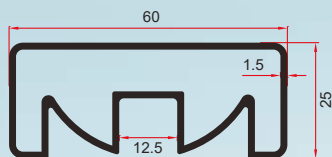
PRF 0009

1,137 KG/MT



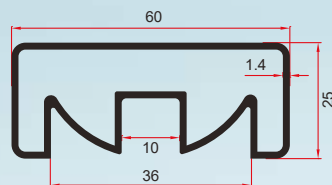
PRF 0010

0,744 KG/MT



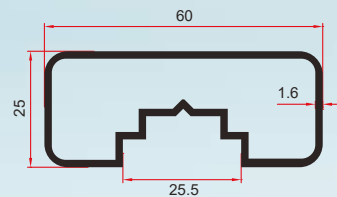
PRF 0011

0,880 KG/MT



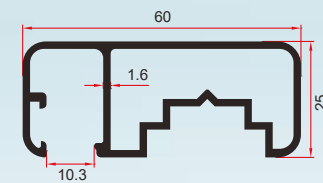
PRF 0074

0,825 KG/MT



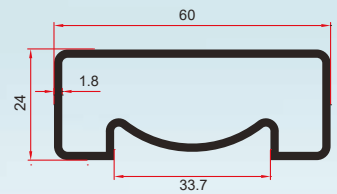
PRF 0013

0,780 KG/MT



PRF 0014

0,864 KG/MT

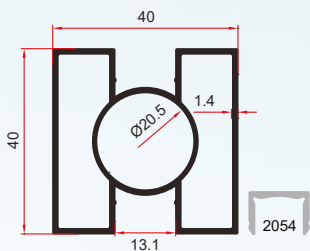


PRF 0015

0,839 KG/MT

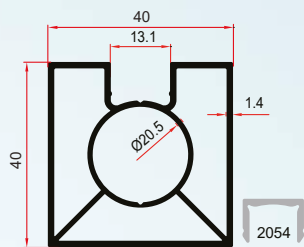
PROFILLER

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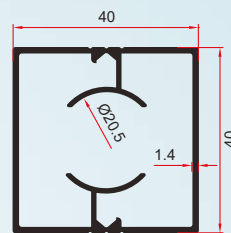
PRF 0016

0,900 KG/MT



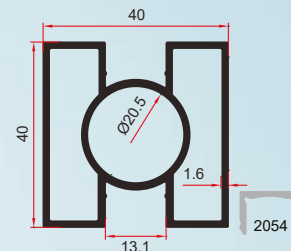
PRF 0017

0,972 KG/MT



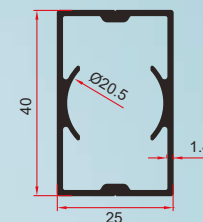
PRF 0018

0,809 KG/MT



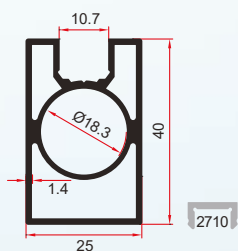
PRF 0019

1,040 KG/MT



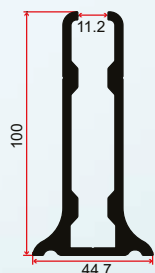
PRF 0020

0,619 KG/MT



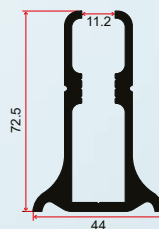
PRF 0021

0,778 KG/MT



PRF 0025

2,385 KG/MT



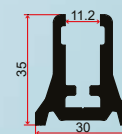
PRF 0026

1,590 KG/MT



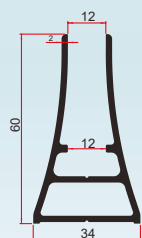
PRF 0027

1,576 KG/MT



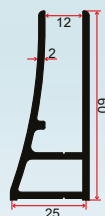
PRF 0040

0,957 KG/MT



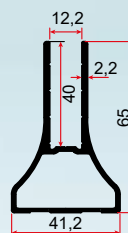
PRF 0028

1,002 KG/MT



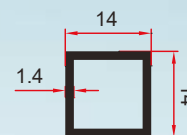
PRF 0029

0,892 KG/MT



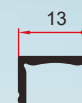
PRF 0030

0,972 KG/MT



PRF 0023

0,190 KG/MT

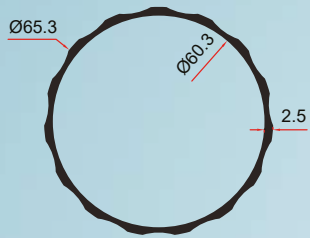


PRF 0024

0,090 KG/MT

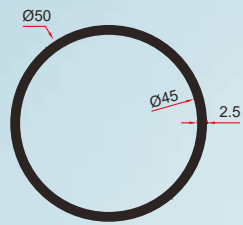
PROFILLER

PROFILES



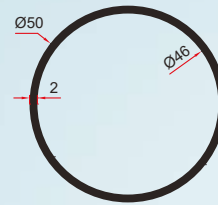
PRF 0057

1,090 KG/MT



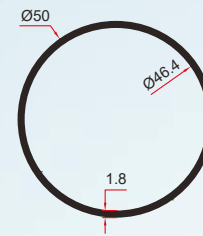
PRF 0051

0,658 KG/MT



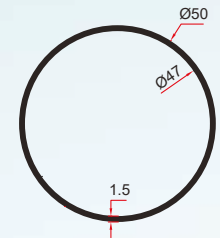
PRF 0052

0,815 KG/MT



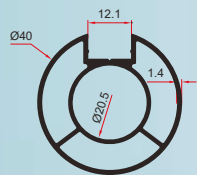
PRF 0053

0,740 KG/MT



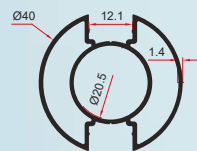
PRF 0054

0,620 KG/MT



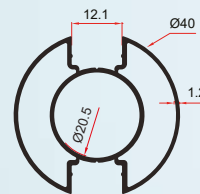
PRF 0059

0,772 KG/MT



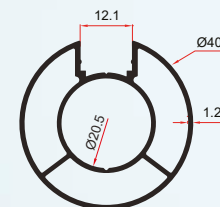
PRF 0060

0,730 KG/MT



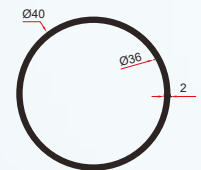
PRF 0061

0,655 KG/MT



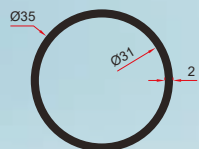
PRF 0062

0,735 KG/MT



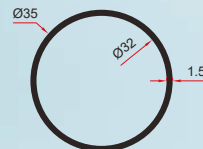
PRF 0058

0,267 KG/MT



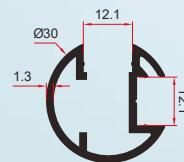
PRF 0064

0,562 KG/MT



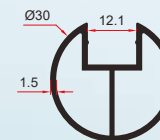
PRF 0065

0,430 KG/MT



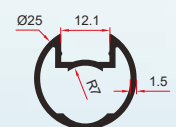
PRF 0066

0,440 KG/MT



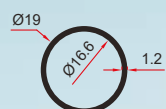
PRF 0067

0,155 KG/MT



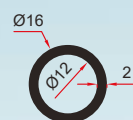
PRF 0068

0,135 KG/MT



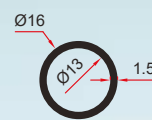
PRF 0069

0,834 KG/MT



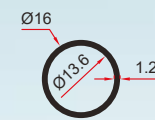
PRF 0070

0,240 KG/MT



PRF 0071

0,185 KG/MT



PRF 0072

0,155 KG/MT

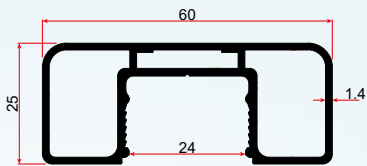


PRF 0073

0,267 KG/MT

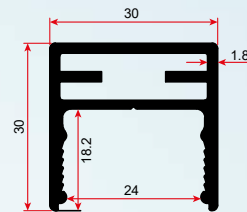
CAM BAZA ÜST PROFİLLER

GLASS BASE TOP PROFILES



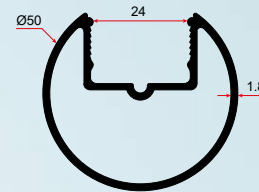
PRF 0034

0,834 KG/MT



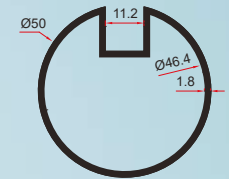
PRF 0031

0,658 KG/MT



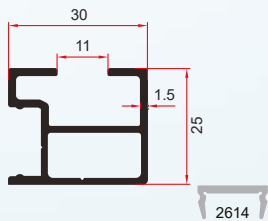
PRF 0056

RUBBER 16,5 MM



PRF 0055

RUBBER 12,5 MM



PRF 0041

0,490 KG/MT



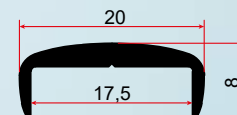
PRF 0042

0,090 KG/MT



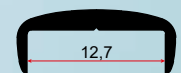
PRF 0032

0,190 KG/MT



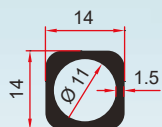
PRF 0033

0,140 KG/MT



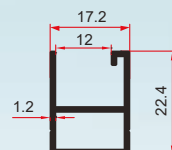
PRF 0039

0,113 KG/MT



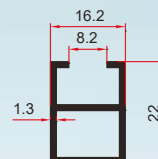
PRF 0022

0,251 KG/MT



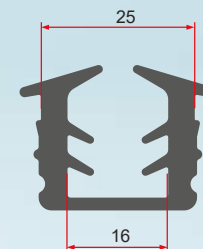
PRF 0037

0,254 KG/MT



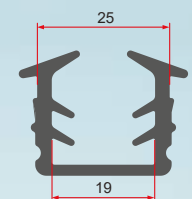
PRF 0038

0,267 KG/MT



PRF 0035

RUBBER 12,5 MM



PRF 0036

RUBBER 16,5 MM

PLEKSİ GRUBU

PLEXIGLASS GROUP



AST 90-1328

130'MM PLEXI STRUTS



AST 90-1324

130'MM PLEXI STRUTS



AST 90-1316

130'MM PLEXI STRUTS



AST 90-1302

130'MM PLEXI STRUTS



AST 90-1306

130'MM PLEXI STRUTS



AST 90-1320

130'MM PLEXI STRUTS



AST 90-1304

130'MM PLEXI STRUTS



AST 90-1305

130'MM PLEXI STRUTS



AST 90-1001

100'MM PLEXI STRUTS



AST 90-1011

100'MM PLEXI STRUTS



AST 90-1006

100'MM PLEXI STRUTS



AST 90-1010

100'MM PLEXI STRUTS



AST 90-1018

100'MM PLEXI STRUTS



AST 90-1019

100'MM PLEXI STRUTS



AST 90-1020

100'MM PLEXI STRUTS



AST 90-1021

100'MM PLEXI STRUTS

PLEXIGLASS GROUP



AST 90-4014

40' MM PLEXI STRUTS



AST 90-4019

40' MM PLEXI STRUTS

