



ALÜMİNYUM KORKULUK SİSTEMLERİ

ALUMINIUM RAILING SYSTEM

KARE SİSTEMLER
Square Systems



YUVARLAK SİSTEMLER
Round Systems



YARDIMCI EKİPMANLAR
Auxiliary Equipment



20 yıllık bir başarı yolculuğu...

Bugünlere bakıldığında, gerçek istikrar adına yola çıkıp, bireysel başarıları kurumsal başarılarla dönüştürerek, global seviyede bilgi ve teknolojiye yatırımını ilke edinmiş, işbirliği ve güven temelinde istikrarla atılımlar yapılan bir 20 yıl. Türk sanayinin Alüminyum sektöründeki gururu; ASTUNA

Projeksiyonunu sürekli gelişim, ödünsüz kalite yaklaşımı ve koşulsuz müşteri memnuniyeti perspektifinden hareketle ortaya koyan ASTUNA ALÜMİNYUM KORKULUK SİSTEMLERİ, kurulduğu günden itibaren, alanında hep daha iyiyi hedefledi. Ortaya koyduğu kalite yaklaşımı sonucu geldiği noktada, profesyonel çalışanları ile yılların verdiği tecrübeyi güçlü üretim altyapısı ile birleştirip bugünlere taşıdı.

Şu an gelinen noktada, Cam baza sistemleri, Cam taşıyıcı sistemleri, Cam bağlantı sistemleri, Lamalı korkuluk sistemleri, Kare ve yuvarlak korkuluk sistemleri,Yardımcı ürünler, Pleksi ve Profil sistemleri gibi sektörüne yön veren geniş bir ürün yelpazesıyla çalışmalarını sürdüren firmamız, üretimleri en son teknoloji ile modern tesislerinde başarıyla gerçekleştirmektedir.

Alüminyum sektöründe müşterileri tarafından Aranan Üretim Tedarikçisi olma vizyonuyla çalışmalarına yön veren ASTUNA alüminyum korkuluk sistemleri, tüm bu üretim, satış ve satış sonrası süreçlerini Toplam Kalite Yönetimi felsefesinden hareketle planlamaktadır. Kaliteyi, hammadde girişinden başlayıp tüm süreçlerde bir bütün olarak gören firmamızda, üretimi gerçekleştirilen tüm ürünler en hassas biçimde kalite ve dayanıklılık testlerine tabi tutularak sevkiyata hazır hale getirilmekte ve piyasalara arz edilmektedir.

Profesyonel yaklaşımı ve kurumsal kültürüyle, heyecanıyla, tecrübesi ve girişimci ruhuyla, akılcı yatırımlarıyla, hayata ve insana olan sevgisiyle başarılarla dolu onlarca yılı geride bırakan ASTUNA ALÜMİNYUM KORKUKULUK SİSTEMLERİ, bu gelişimini sizlerden aldığı güç ve inanca arttırarak sektöründe yeniliklerin ve ilklerin markası olmayı sürdürecektir.

BİRLİKTE BÜYÜK BAŞARIYI VE GÜÇLÜK ÜMİDİNİYLE... ASTUNA ALÜMİNYUM KORKUKULUK SİSTEMLERİ.

20-year journey of success...

Looking at today, it is a 20-year that has set out in the name of real stability and adopted the principle of investing in information and technology at the global level transforming individual achievements into corporate success, and going forward with stability on the basis of cooperation and trust. ASTUNA, the pride of the Turkish industry in the Aluminum sector.

Setting out its projection from the perspective of continuous improvement, uncompromising quality approach and unconditional customer satisfaction, ASTUNA ALUMINUM RAILING SYSTEMS has always aimed for the better in its field since the day it was established. At the point it has reached as a result of its quality approach, it has conveyed its years of experience to these days combining it with its strong production infrastructure with its professional employees.

Continuing its activities with a wide range of products that shape the sector such as Glass base systems, Glass carrier systems, Lama Railing systems, Square and round railing systems, Ancillary products like Plexiglas and Profiles systems, our company realizes its production successfully with the latest technology in its modern facilities at this point achieved now.

ASTUNA, which directs its work with its vision to be being the pioneer production Supplier sought by its customers in the aluminum industry, plans all these productions, sales and after-sales processes with the philosophy of Total Quality Management. All manufactured products are subjected to quality and durability tests in the most sensitive way, and they are made ready for shipment and presented to the markets in our company, which sees quality as a whole in all processes starting from the raw material entry.

With its professional approach and corporate culture, enthusiasm, experience and entrepreneurial spirit, rational investments, love for life and people, ASTUNA ALUMINUM RAILING SYSTEMS will continue to be the brand of innovations and firsts in its sector by increasing this development with the power and belief it takes from you.

HOPING TO ACHIEVE GREAT SUCCESSES TOGETHER... ASTUNA ALUMINUM RAILING SYSTEMS

GÜÇLÜ GEÇMİŞ, PARLAK GELECEK...

STRONG HISTORY, PROMISING FUTURE...





ÜRETİM PRODUCTION

ASTUNA ALUMINUM KORKULUK SİSTEMLERİ;

Tecrübe ve bilgisiyle, CNC işlem kalitesi ve eloksal kaplamada mikron kalitesinden asla taviz vermeden üretimlerine yön veren firmamız, kendi sektöründe başarılarla dolu yılları geride bırakmış, bu gelişiminin bir sonucu olarak üretim planlama, pazarlama, satış ve satış sonrası hizmetler başlığında ülkemizin sayılı firmaları arasında yerini almış bulunmaktadır. Ayrıca dizayn tasarım ofisleri ile tüm tasarımlarını müşteri beklentilerine uygun olarak kendi bünyesinde tamamlayan firmamızın kullandığı Ekstrüzyon alüminyum profiller, 6063 seri biletlerden, ISO VE TSE kalitesinde üretilmekte, bu sayede en kaliteli ürünler en olması gereken şekliyle müşterilerimize sunulmaktadır.

Pazarlama faaliyetlerinede yoğun bir biçimde devam eden, ASYA, AVRUPA, AFRIKA VE ORTADOĞU BÖLGESİNDE dünyanın birçok ülkesine ihracat yapan firmamız, bu gelişimini müşterileriyle paylaşarak daha da ileri götürme hedefindedir.

ASTUNA ALUMİNYUM RAILING SYSTEMS;

Our company, which considers its productions without compromising an micron quality in CNC processing quality and anodized coating with its experience and knowledge, has left successful years behind in its sector, and as a result of this development, it has taken its place among the few companies of our country in the title of production planning, marketing, sales and after-sales services. In addition, extrusion aluminum profiles used BY our company, which completes all its designs in accordance with customer expectations with its design offices, are produced from 6063 serial billets in ISO and TSE quality, so that the highest quality products are offered to our customers as they should be.

Continuing its marketing activities intensively, our company and exporting to many countries of the world in ASIA, EUROPE, AFRICA and the MIDDLE EAST REGION, our company aims is to take this development further by sharing it with its clients.



KALİTE BELGELERİMİZ QUALITY CERTIFICATES

SAAP 2000 STATİK RAPORLAMA SAAP 2000 STATIC REPORT



RÜZGAR YÜKLERİNİN BELİRLENMESİ
Çephele 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 b) Kule tipi yapılarda(*)	1,20 1,60	0,60 0,80	0,96 1,28	1,32 1,76	1,56 2,08
1.1.2) Rüzgar yönüne a açısı yapan eğimli yüzeylerde					
a) Genel olarak b) Kule tipi yapılarda	1,20 sına 1,60 sına	0,60 sına 0,80 sına	0,96 sına 1,28 sına	1,32 sına 1,76 sına	1,56 sına 2,08 sına
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 sına	0,80 0,80 sına	1,28 1,28 sına	1,76 1,76 sına	2,08 2,08 sına

21-100 metre yükseklik için rüzgar yükümü;
 $W=c \cdot q = 1,20 \cdot 1,76 = 2,112 = 1,94$ kn/m² rüzgar yükü elde ederiz.

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 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 b) in tower type structures(*)	1,20 1,60	0,60 0,80	0,96 1,28	1,32 1,76	1,56 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 sına 1,60 sına	0,60 sına 0,80 sına	0,96 sına 1,28 sına	1,32 sına 1,76 sına	1,56 sına 2,08 sına
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 sına	0,80 0,80 sına	1,28 1,28 sına	1,76 1,76 sına	2,08 2,08 sına

Our wind load for 21-100 meters altitude
 $W=c \cdot q = 1,20 \cdot 1,76 = 2,112 = 1,94$ kn/m² we get wind load.

ALÜMİNYUM CAM KORKULUK AKSESUARLARI

ALUMINUM GLASS RAILING
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



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



41-4006

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



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



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



47-6011

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



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



43-6010

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.KANALI
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



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



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



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



47-8011

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



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



43-8010

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



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



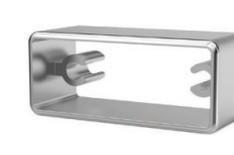
46-8002

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



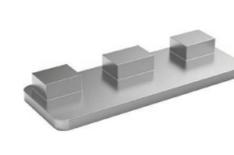
46-8003

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



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



48-1444

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



48-1401

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



48-1442

14 * 14 BORU TUTAMAĞI
14X14 MM PIPE HANDLE



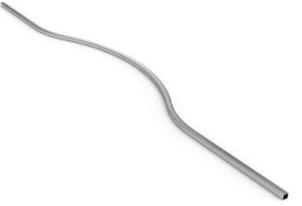
48-1445

14 X 14 PROFİL SPİDER 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



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





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



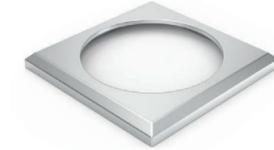
13-1001

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



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



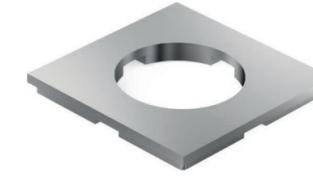
50-3006

30 X 25 DUVAR FLANŞI
30X25 MM WALL FLANGE



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



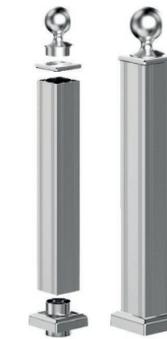
50-3005

30 X 25 İÇE GEÇME TAPASI
30X25 PLUG INTERNALLY



42-1001

100 x 100 DİKME FLANŞ
100 x 100 MM GROUND
FLANGE



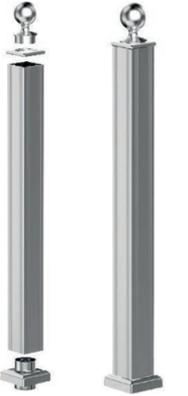
52-7001

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 30' GRUP AKSESUARLARI
ROUND 30' GROUP ACCESSORIES

03-3001

30 LUK SABİT MAFSAL D.G.
Ø30' CONNECTOR FITTING (CAPPED)

11-3001

30 LUK DOLU TOPUZ DİRSEK
Ø30' SPHERE ELBOW

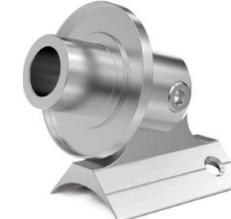
12-3001

30 LUK DUVAR FLANŞI
Ø30' WALL FLANGE

06-3001

30 LUK TAPA
Ø30' PLUGYUVARLAK 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)

15-3501

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

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

04-5005

35 x 50 KURTAĞZI
Ø35x50' SLOTTED JOINT

04-5006

35 x 35 KURTAĞZI
Ø35x35' SLOTTED JOINT

02-3501

35 LİK AYAK
Ø35' GROUND FLANGE (EMPTY)

13-3501

35 LİK BAŞLANGIÇ TOPUZ
Ø35' KNOB PLUG

YUVARLAK 40' GRUP AKSESUARLARI
ROUND 40' GROUP ACCESSORIESYUVARLAK 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

11-4001

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

11-4002

40 LIK EKO KADEHLİ T. DİRSEK
Ø40' FITTING SPHERE
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

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

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

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

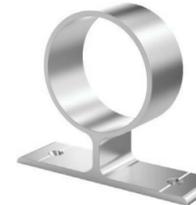
02-4007

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

02-4008

40 LIK DİKME FLANŞI KAPAKLI
Ø40' EXTERNAL
SUPPORT FLANGE

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



01-5001

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



01-5003

50 LİK ÜST BAĞLANTI TK DESENLI 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



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)



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



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°



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



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)

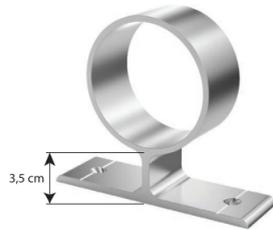
06-5002

50 LİK TAPA
Ø50' PLUG

06-5003

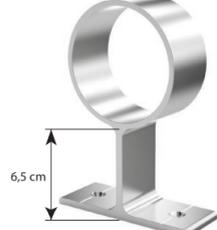
50 LİK TAPA CAM KANALLI
Ø50' PLUG FOR GLASS
CHANNELED

15-5004

50 LİK DİKME UZATMA APARATI
Ø50' PILLAR EXTENSION
APPARATUS

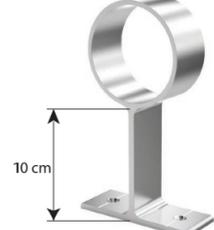
3,5 cm

15-5001

50 LİK DUVAR DİBİ BAĞLANTI T
Ø50' T WLLA CONNECTION

6,5 cm

15-5002

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

10 cm

15-5003

50 LİK DUVAR DİBİ BAĞLANTI T (UZUN)
Ø50' T WLLA CONNECTION (LONG)YUVARLAK 65' GRUP AKSESUARLARI
ROUND 65' GROUP ACCESSORIES

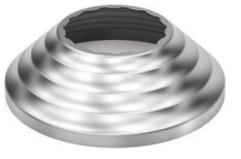
13-6501

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 LİK YER FLANŞI
Ø100' GROUND FLANGE (ECO)

05-6501

65 LİK BAĞLANTI TAKOZU
Ø65' PIPE ANCHOR CONNECTOR



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

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

09-1609

16' LIK BORU TUTAMAĞI
PİMSİZ DESENLİ
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

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

14-1603

16 LIK DEKORLU TEK
BOĞUM DESENLİ
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

10-1601

16 LIK BORU CAM SPIDER
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



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



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



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



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



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



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



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



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



10-4003

YATAY CAM KLİPSİ - VİADLI
HORIZONTAL GLASS HOLDER



10-3510

FİTİLLİ CAM KLİPSİ TEK VİDA
GLASS HOLDER SINGLE SCREW



10-3501

CAM KLİPSİ
ROUND GLASS HOLDER



10-3502

40° LİK ÜST BAĞLANTI
DIŞA GEÇME
Ø40° CONNECTOR SET WITH
JOINT (CAPPED)



10-3503

CAM KLİPS STOBU
GLASS WEDGE PLASTIC



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



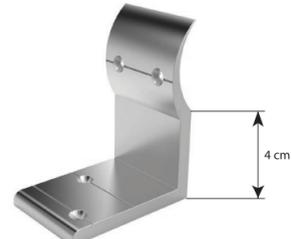
17-4003

VİDALI ANGREYAJ DEMİRİ
ANCHOR 20 CM SCREWED



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 PLASTİĞİ
GLASS CLIP PLASTIC



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



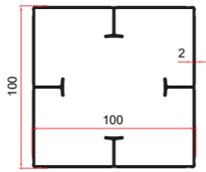
17-3503

GİJON MİLİ 8 METRİC 120 CM
8 MM CIJON 120 CM



17-3501

GİJON MİLİ 8 METRİC 100 CM
8 MM CIJON 100 CM



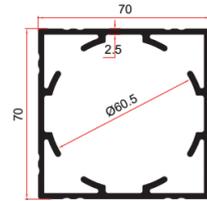
PRF 0001

2,700 KG/MT



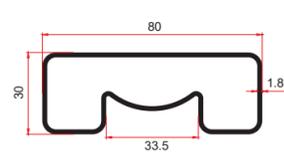
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2,300 KG/MT



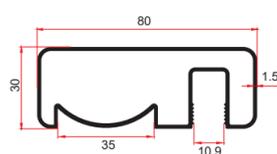
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2,422 KG/MT



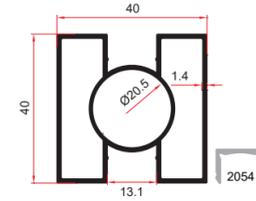
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1,123 KG/MT



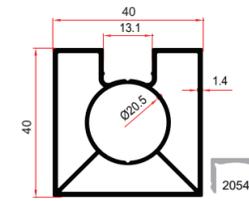
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1,069 KG/MT



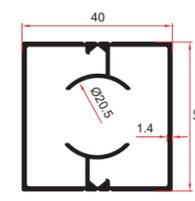
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0,900 KG/MT



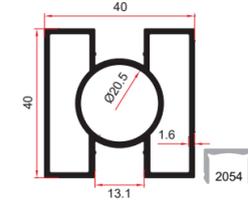
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0,972 KG/MT



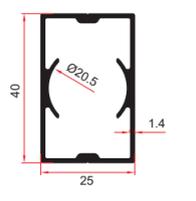
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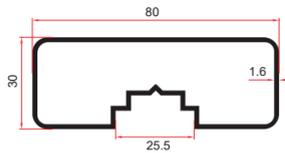
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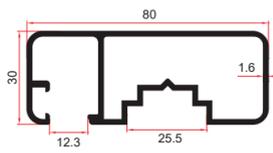
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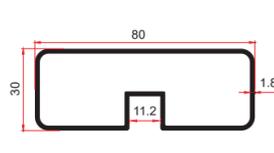
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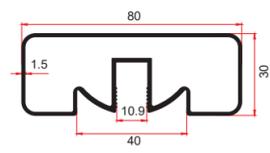
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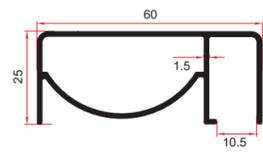
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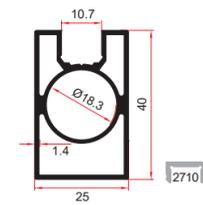
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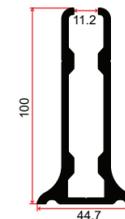
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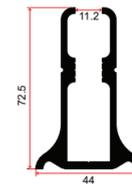
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0,778 KG/MT



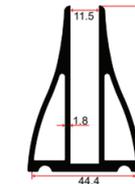
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2,385 KG/MT



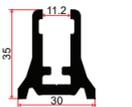
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1,590 KG/MT



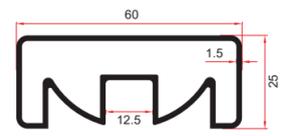
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1,576 KG/MT



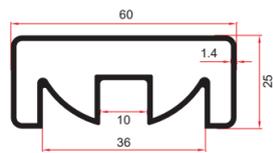
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0,957 KG/MT



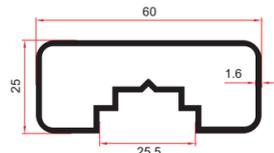
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0,880 KG/MT



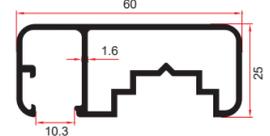
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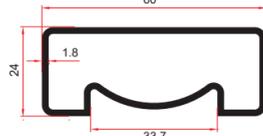
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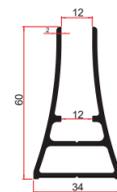
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0,864 KG/MT



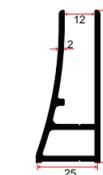
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0,839 KG/MT



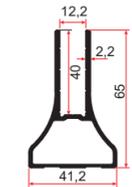
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1,002 KG/MT



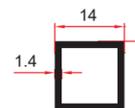
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0,892 KG/MT



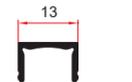
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0,972 KG/MT



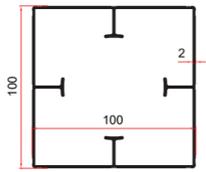
PRF 0023

0,190 KG/MT



PRF 0024

0,090 KG/MT



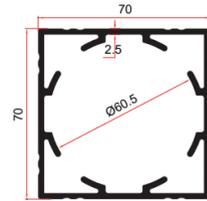
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2,700 KG/MT



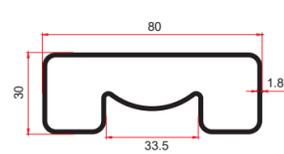
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2,300 KG/MT



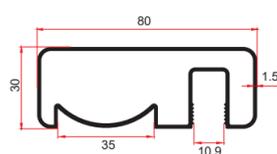
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2,422 KG/MT



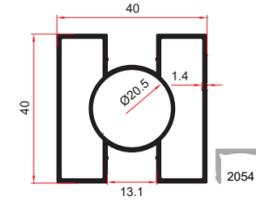
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1,123 KG/MT



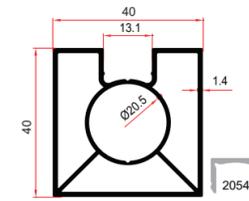
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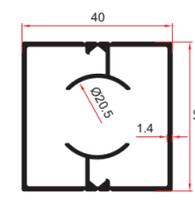
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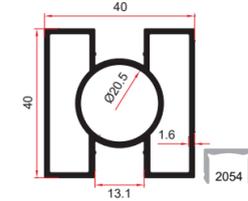
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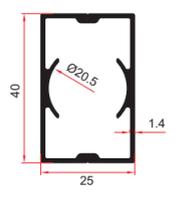
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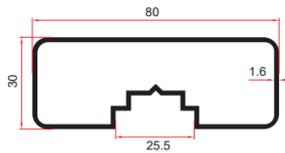
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1,040 KG/MT



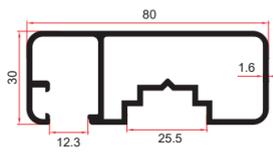
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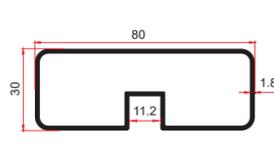
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0,990 KG/MT



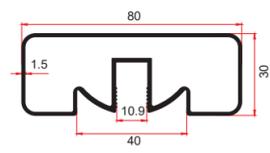
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1,110 KG/MT



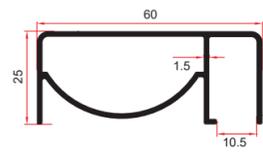
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1,192 KG/MT



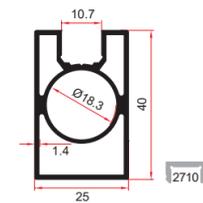
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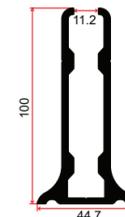
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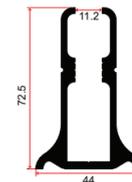
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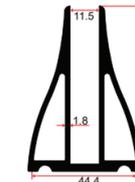
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2,385 KG/MT



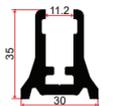
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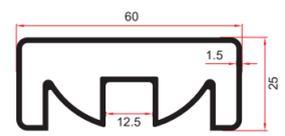
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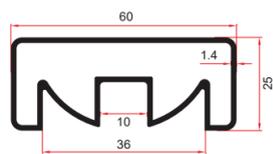
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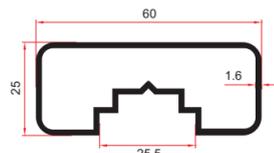
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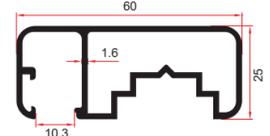
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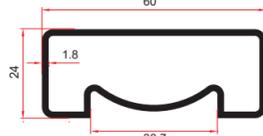
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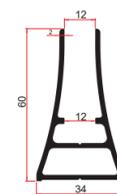
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PRF 0015

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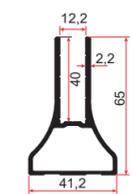
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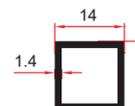
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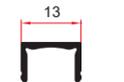
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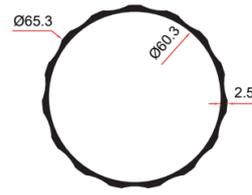
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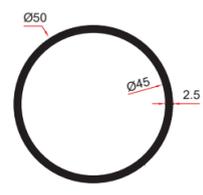
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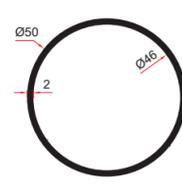
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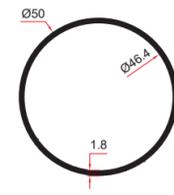
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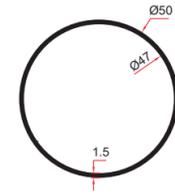
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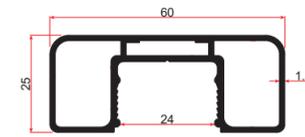
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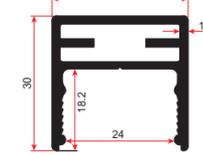
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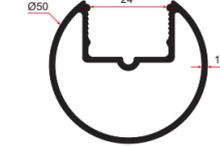
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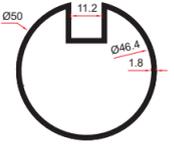
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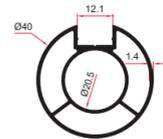
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RUBBER 16,5 MM



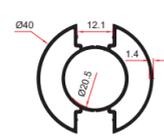
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RUBBER 12,5 MM



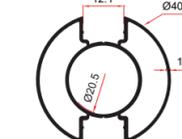
PRF 0059

0,772 KG/MT



PRF 0060

0,730 KG/MT



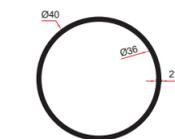
PRF 0061

0,655 KG/MT



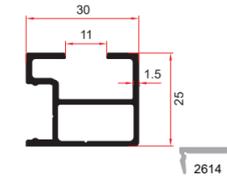
PRF 0062

0,735 KG/MT



PRF 0058

0,267 KG/MT



PRF 0041

0,490 KG/MT



PRF 0042

0,090 KG/MT



PRF 0032

0,190 KG/MT



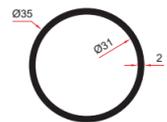
PRF 0033

0,140 KG/MT



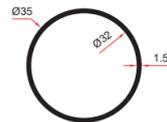
PRF 0039

0,113 KG/MT



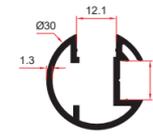
PRF 0064

0,562 KG/MT



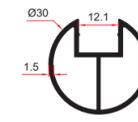
PRF 0065

0,430 KG/MT



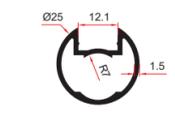
PRF 0066

0,440 KG/MT



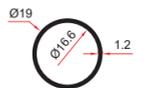
PRF 0067

0,155 KG/MT



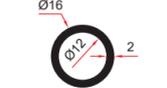
PRF 0068

0,135 KG/MT



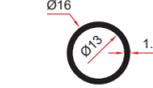
PRF 0069

0,834 KG/MT



PRF 0070

0,240 KG/MT



PRF 0071

0,185 KG/MT



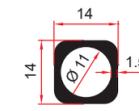
PRF 0072

0,155 KG/MT



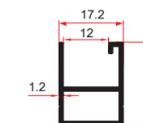
PRF 0073

0,267 KG/MT



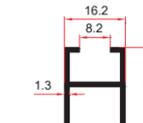
PRF 0022

0,251 KG/MT



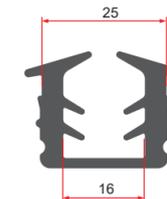
PRF 0037

0,254 KG/MT



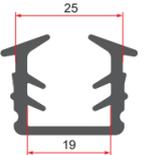
PRF 0038

0,267 KG/MT



PRF 0035

RUBBER 12,5 MM



PRF 0036

RUBBER 16,5 MM



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 90-4004
 40'MM PLEXI STRUTS



AST 90-4003
 40'MM PLEXI STRUTS



AST 90-4001
 40'MM PLEXI STRUTS



AST 90-4002
 40'MM PLEXI STRUTS



AST 90-4011
 40'MM PLEXI STRUTS



AST 90-4012
 40'MM PLEXI STRUTS



AST 90-4013
 40'MM PLEXI STRUTS



AST 90-4014
 40'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



AST 90-4006
 40'MM PLEXI STRUTS



AST 90-4007
 40'MM PLEXI STRUTS



AST 90-4008
 40'MM PLEXI STRUTS



AST 90-4009
 40'MM PLEXI STRUTS



AST 90-4015
 40'MM PLEXI STRUTS



AST 90-4005
 40'MM PLEXI STRUTS

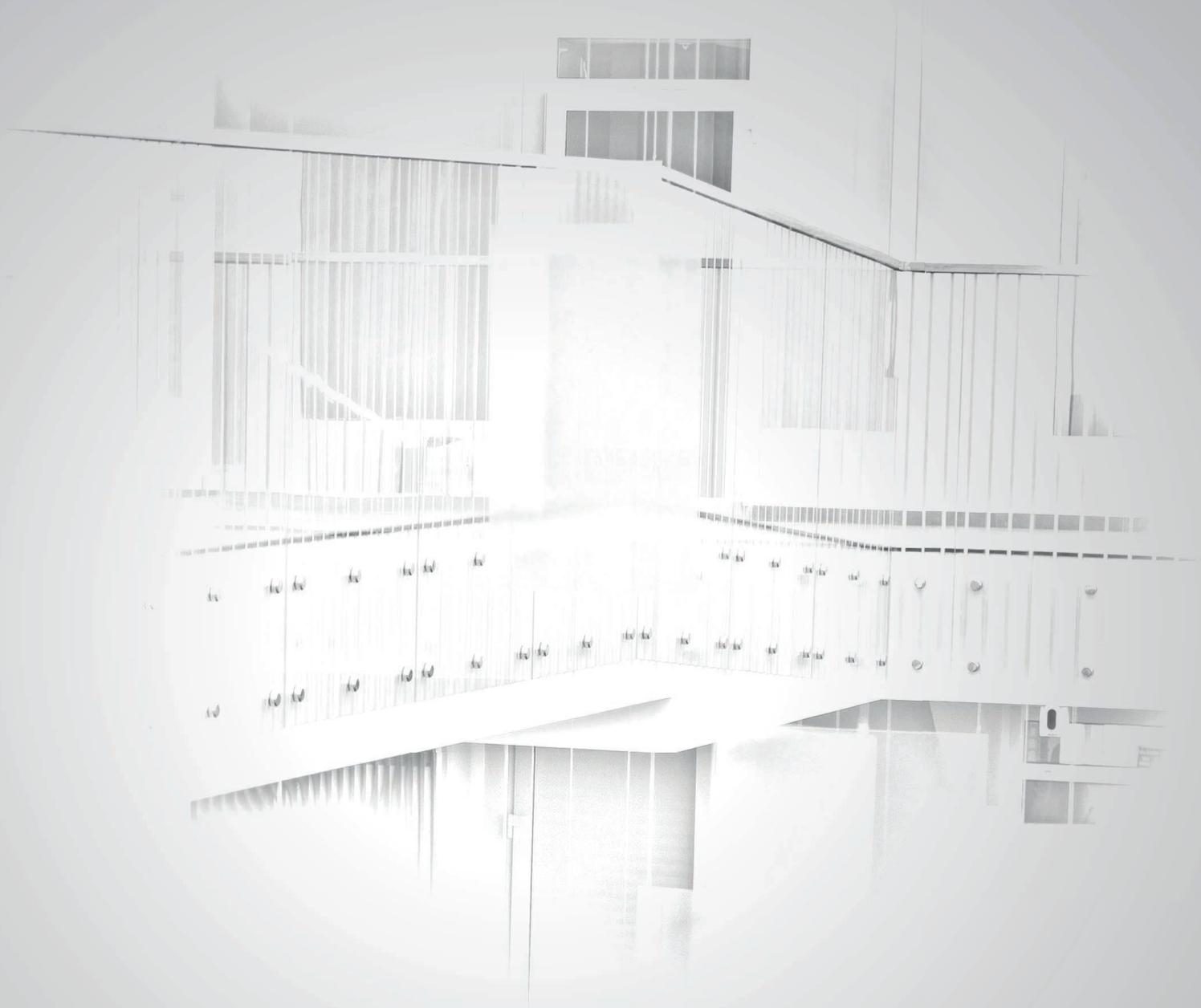


AST 90-4018
 40'MM PLEXI STRUTS



AST 90-4019
 40'MM PLEXI STRUTS

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