



**HİLAL**  
ALÜMİNYUM



[www.hilal.com.tr](http://www.hilal.com.tr)

**Küpeşte Kataloğu**

Handrail Products Catalogue

**2010**



**HİLAL**  
ALÜMİNYUM



## HİLAL ŞİRKETLER GRUBU

1 Mart 1986 yılında kurulan Hilal Alüminyum İth. İhr. San. Tic. Ltd. Şti. bugün bünyesinde bulundurduğu 4 firması ile Hilal Grup olarak faaliyetlerine devam etmektedir.

Hilal Alüminyum Hürriyet Mahallesi Kağıthane'deki 9 katlı merkez binası ve sanayi marketinde ağırlıklı olarak alüminyum ve PVC profil, alüminyum ve PVC profil aksesuarları, alüminyum ve PVC profil işleme makineleri, alüminyum levha ve kompozit paneli satışı konusunda müşterilerine hizmet vermektedir. Yurt içinde ve yurt dışında yapılandırılmış pazarlama ağını büyük bir titizlikle takip eden firmamız, 30'dan fazla ülkeye (Doğu Avrupa, Kuzey Afrika, Orta Doğu ve Orta Asya) yaptığı ihracat neticesinde de sektördeki pazar payını korumayı başarmıştır.

Uzmaşan Alm. İth. İhr. San. Tic. Ltd. Şti. 1997 yılında Pvc ve Alüminyum Doğrama Makinaları imalatıyla başlamış olduğu faaliyetine, Ocak 2008 yılında Gebze'de alüminyum ekstrüzyon işi ile devam ederek Alüminyum Sektörüne hizmet etmektedir.

Galaksi Dış Ticaret şirketimiz ise Çorlu serbest bölgede ağırlıklı olarak alüminyum levha, kompozit panel ve alüminyum aksesuarlarını ithal etmektedir. İthal edilen ürünlerin bir kısmını Türkiye pazarına ve diğer bir kısmını da transit ticaret yolu ile yurtdışındaki müşteri gruplarına arz etmektedir.

Farklı bir iş kolu olan Şile Cansu pazarlama firmamız Zambak su markası ile bugün İstanbul sınırlarının dışına taşmaktadır. Şile'deki modern dolun tesisi ve profesyonel pazarlama ağı ile kısa zamanda büyük başarı kat etmiştir.

### Misyonumuz:

ISO 9001:2008 Kalite Sistem Standardı'nı rehber kabul ederek üretimden sevkiyata kadar tüm birimlerinde kalite kontrolünü büyük bir titizlikle denetlemek ve profesyonel ve tecrübeli ekibiyle, müşterilerimize satış öncesi ve sonrası eksiksiz kaliteli hizmet vermektir.

### Vizyonumuz:

Müşteri memnuniyetini ön planda tutan profesyonel yetkin kadrosu ile gelişen teknolojiyi yakından takip ederek sektörde başarılı bir hizmet kuruluşu olmaktadır.

### Hilal Alüminyum Faaliyet Alanları:

- Doğrama profilleri ve aksesuarları
- Cephe sistem profilleri ve aksesuarları
- Sürme serileri ve aksesuarları
- Isı bariyerli profiller ve aksesuarları
- Panjur profilleri ve aksesuarları
- Küpeşte profilleri ve aksesuarları
- Sineklik profilleri ve aksesuarları
- Seramik ve dekorasyon profilleri
- Mobilya profilleri
- Reklam profilleri ve aksesuarları
- Soğutucu profilleri
- Kış bahçesi ve üst kapama profilleri
- Sanayi profilleri
- Standart profiler
- Farklı yüzey işlemeli alüminyum levha çeşitleri
- Kompozit paneller
- Müşteri isteğine göre özel profiller
- Alüminyum ve PVC işleme makineleri

## HİLAL GROUP OF COMPANIES

Hilal Alüminyum Import-Export Industry Trading Ltd. Company established on 1 March 1986 has been still maintaining its activities as Hilal Group including of 4 firms today.

Hilal Alüminyum serves it's customers mainly with aluminium and PVC profiles, aluminium and PVC profiles' accessories, aluminium and PVC profile processing machines, aluminium sheets and composite panels in it's 9-floor main building and industrial market located in Hurriyet District Kağıthane, Istanbul. Following domestic and foreign marketing network closely, our firm has been able to secure its market share, thanks to the exportation from its head sales office to more than 30 different countries located in EasternEurope, North Africa, Middle East and Middle Asia.

Uzmaşan Alüminyum Import-Export Industry Trading Ltd. Company began the production of aluminium and PVC processing machines in 1997, starting from January 2008 it began the production of aluminium profile and thereby serving in Aluminium Profile Sector.

Galaksi Foreign Trade Company located in free zone in Çorlu, imports mainly aluminium sheet, composite panel and aluminium accessories. The part of imported goods is exposed for sale in Turkish market and the rest to our group of customers abroad by the way of transit trade.

As a different business branch, our Şile Cansu marketing company exceeded the borders of Istanbul with the brand of Zambak Spring Water. With its modern filling facilities in Şile and thanks to it's professional marketing network it has become successful in a very short time.

### Our mission:

Under the guidance of the ISO 9001:2008 quality system standards to check the quality control in all units from production to transportation and to provide quality service to our customers with its professional and experienced team.

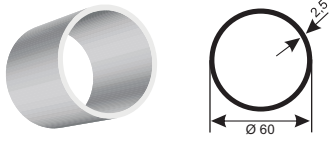
### Our vision:

To be a successful service company in the sector with our professional team keeping customer's satisfaction as number one priority and by following technological developments closely.

### Hilal Alüminyum's fields of services:

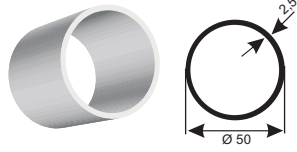
- Window & door systems and accessories
- Façade systems profiles & accessories
- Sliding systems profiles & accessories
- Thermal isolated profiles & accessories
- Shutter sections & accessories
- Handrail profiles & accessories
- Insect screen profiles & accessories
- Ceramic and decoration profiles
- Furniture profiles
- Display profiles & accessories
- Cooling system profiles
- Winter garden & cover profiles
- Industrial profiles
- Standard profiles in general use
- A wide range of aluminium sheets with different surface treatment
- Composite panels
- Special profiles according to customers' requirements
- Aluminium and PVC processing machines

HA - 3001



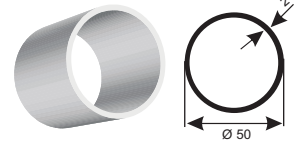
Ø 60 Boru  
Ø 60 Tube  
1219 gr/mt

HA - 3002



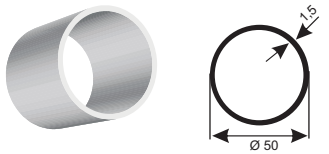
Ø 50 Boru  
Ø 50 Tube  
1007 gr/mt

HA - 3002A



Ø 50 Boru  
Ø 50 Tube  
814 gr/mt

HA - 3002B



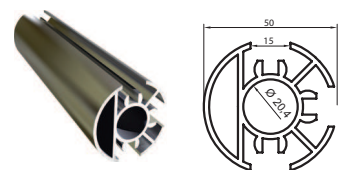
Ø 50 Boru  
Ø 50 Tube  
619 gr/mt

HA - 3002C



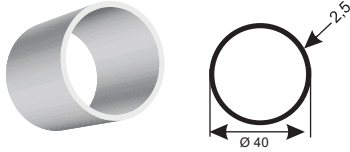
Ø 50 Dikme 2 Kanallı  
Ø 50 Strut 2 Canals  
1730 gr/mt

HA - 3002D



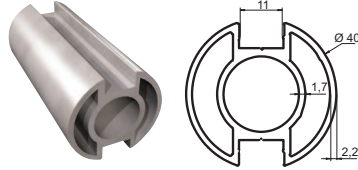
Ø 50 Dikme 3 Kanallı  
Ø 50 Strut 3 Canals  
1690 gr/mt

HA - 3003



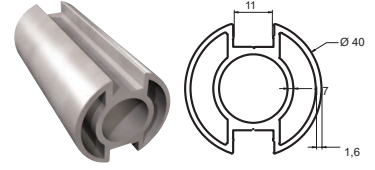
Ø 40 Boru  
Ø 40 Pipe  
795 gr/mt

HA - 3004



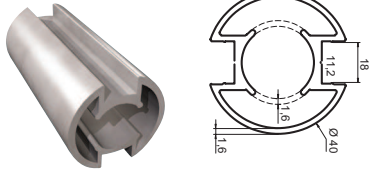
Ø 40 Dikme  
Ø 40 Strut 2 Canals  
1100 gr/mt

HA - 3004A



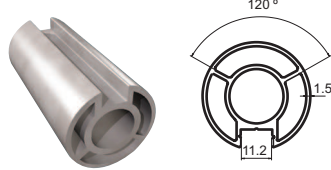
Ø 40 Dikme  
Ø 40 Strut 2 Canals  
918 gr/mt

HA - 3004B



Ø 40 Boş Dikme  
Ø 40 Hollow Strut 2 Canals  
785 gr/mt

HA - 3004C



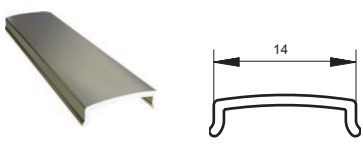
Ø 40 Dikme Tek Kanallı  
Ø 40 Strut Single Canal  
877 gr/mt

HA - 3005



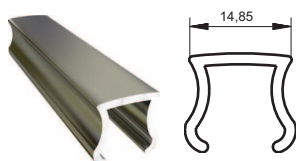
Dikme Kanal Kapağı  
Strut Canal Cover  
60 gr/mt

HA - 3005A



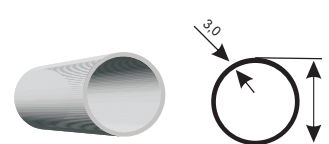
Ø 30 Dikme Kanal Kapağı  
Ø 30 Strut Canal Cover  
55 gr/mt

HA - 3005B

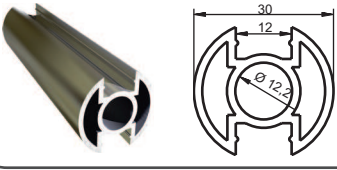


Ø 50 Dikme Kanal Kapağı  
Ø 50 Strut Canal Cover  
135 gr/mt

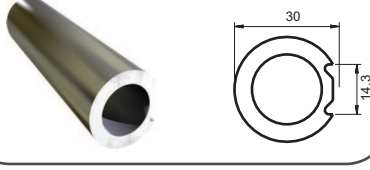
HA - 3006



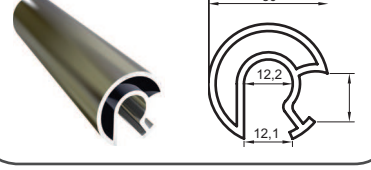
Ø 30 Boru  
Ø 30 Pipe  
687 gr/mt

**HA - 3006A**


Ø 30 Dikme  
Ø 30 Strut  
2 Canals 680 gr/mt

**HA - 3006B**


Ø 30 Dikme  
Tek Kanallı  
Ø 30 Strut Single Canal 975 gr/mt

**HA - 3006C**


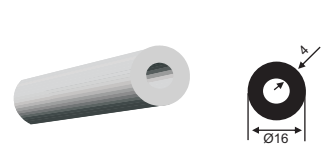
Ø 30 Dikme 90°  
Ø 30 Strut 2 Canals 90°  
620 gr/mt

**HA - 3007**


Ø 16 Boru  
Ø 16 Pipe  
230 gr/mt

**HA - 3007A**


Ø 16 Boru  
Ø 16 Pipe  
470 gr/mt

**HA - 3007B**


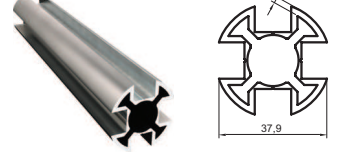
Ø 16 Boru  
Ø 16 Pipe  
410 gr/mt

**HA - 3007C**

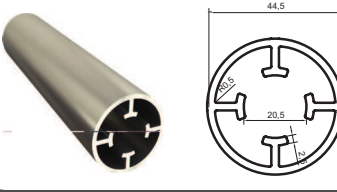

Ø 16 Boru  
Ø 16 Pipe  
182 gr/mt

**HA - 3001A**


Ø 12 Kare Profil  
Ø 12 Square Pipe  
206 gr/mt

**HA - 3004D**


Ø 40 Dikme 4 Kanallı  
Ø 40 Strut 4 Canals  
999 gr/mt

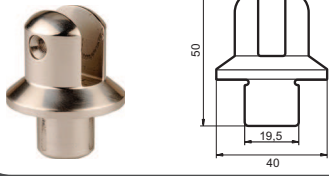
**HA - 3004E**


Ø 40 Kanalsız Dikme  
Ø 40 Strut No Canal  
1301 gr/mt

**HA - 3036**

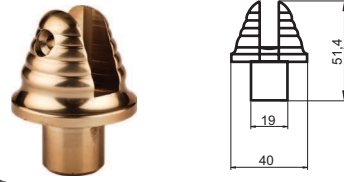

Ø 60 Büyük Dekorlu Tapa Dikmesi  
Ø 60 Decorative Pipe  
1500 gr/mt

HA-3008



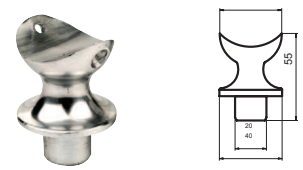
Ø 40 Dikme Yarıkli Tapa  
Female Fitting For  
Ø 40 Strut 53 gr/pc

HA-3008A



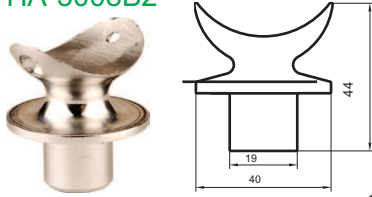
Ø 40 Dikme Dekorlu Yarıkli Tapa  
Decorative Female Fitting For Ø 40 Strut  
53 gr/pc

HA-3008B1



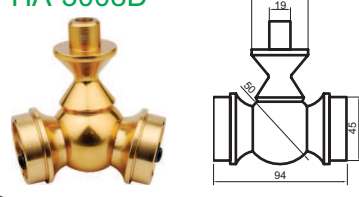
Ø 40 Sabit Mafsal  
Ø 40 Combined Fitting  
57 gr/pc

HA-3008B2



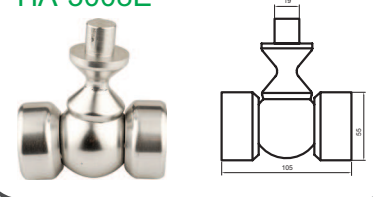
Ø 40 Kısa Sabit Mafsal  
Ø 40 Short Combined Fitting  
58 gr/pc

HA-3008D



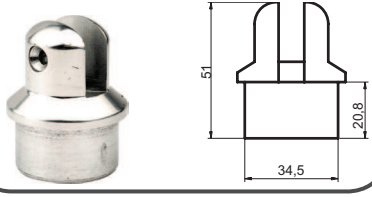
Ayarlı T Sabit Mafsal (Boru İçine)  
Adjustable Combined Fitting (into the pipe)  
361 gr/pc

HA-3008E



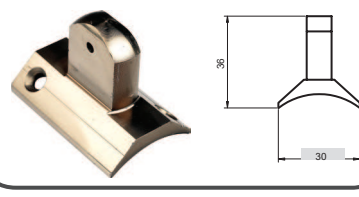
Ayarlı T Sabit Mafsal (Boru Dışına)  
Adjustable Combined Fitting (around the pipe)  
405 gr/pc

HA-3009



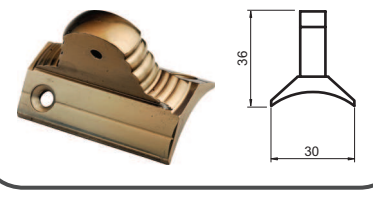
Ø 40 Boru Yarıkli Tapa  
Female Fitting For Ø 40 Pipe  
80 gr/pc

HA-3010



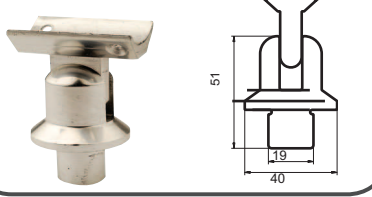
Ø 40 Boru Ay Bağlantı  
Ø 40 Male Fitting  
33 gr/pc

HA-3010A



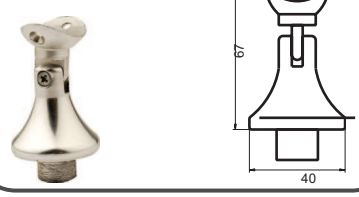
Ø 40 Dekorlu Ay Bağlantı  
Ø 40 Decorative Male Fitting  
34 gr/pc

HA-3010B



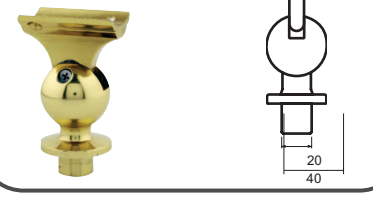
Ø 40 Mafsal Takım  
Ø 40 Assembled Fitting  
84 gr/pc

HA-3010C



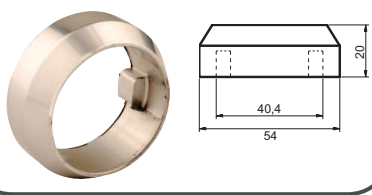
Ø 40 Dekoratif Mafsal Takım  
Ø 40 Decorative Assembled Fitting  
82 gr/pc

HA-3010D



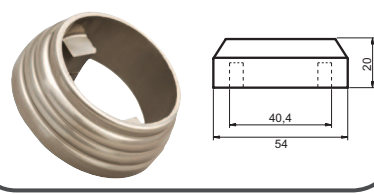
Ø 40 Topuz Model Mafsal Takım  
Ø 40 Ball Type Assembled Fitting  
141 gr/pc

HA-3011



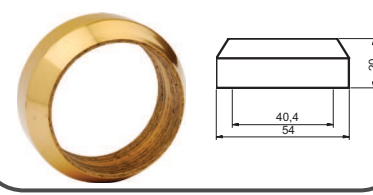
Ø 40 Dikme Flaşı  
Ø 40 Strut Flange  
41 gr/pc

HA-3011A

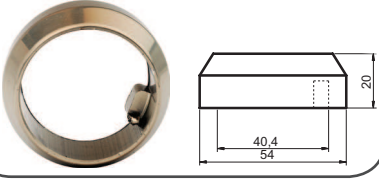


Ø 40 Dekorlu Dikme Flaşı  
Ø 40 Strut Decorative Flange  
43 gr/pc

HA-3011C



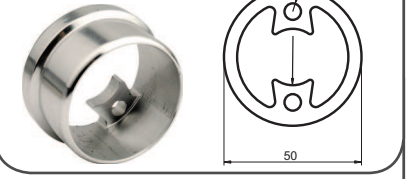
Ø 40 Tırmaksız Dikme Flaşı  
Ø 40 Strut Flange No Teeth  
39 gr/pc

**HA-3011D**


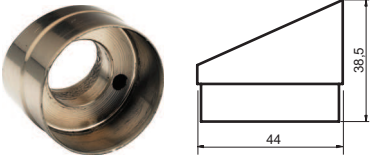
Ø 40 Tek Tırnaklı Dikme Flaşı  
Ø 40 Strut Flange Single Teeth  
40 gr/pc

**HA-3011E**

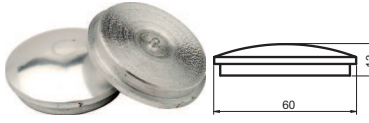

Ø 40 Lüks Dikme Flaşı  
Ø 40 Decorative Strut Flange  
70 gr/pc

**HA-3012**


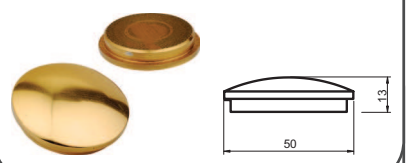
Ø 40 Duvar Flaşı  
Ø 40 Wall Flange  
28 gr/pc

**HA-3012A**


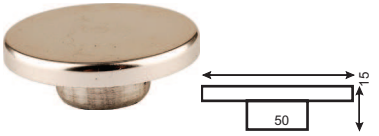
Ø 40 Açılı Duvar Flaşı  
Ø 40 Angled Wall Flange  
46 gr/pc

**HA-3013**


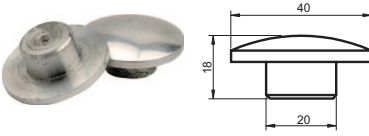
Ø 60 Tapa  
Ø 60 Pipe End Cap  
104 gr/pc

**HA-3014**


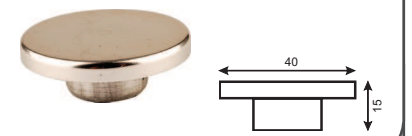
Ø 50 Tapa  
Ø 50 Pipe End Cap  
58 gr/pc

**HA-3014A**


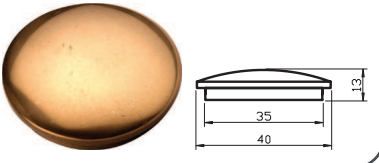
Ø 50 Dikme Düz Tapa  
Ø 50 Strut Flat End Cap  
50 gr/pc

**HA-3015**


Ø 40 Dikme Tapa  
Ø 40 Strut End Cap  
26 gr/pc

**HA-3015A**


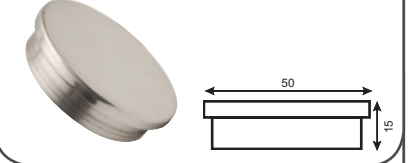
Ø 40 Dikme Düz Tapa  
Ø 40 Strut Flat End Cap  
23 gr/pc

**HA-3016**


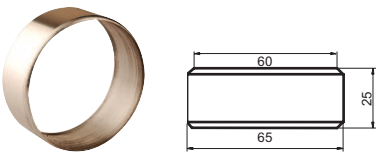
Ø 40 Tapa  
Ø 40 End Cap  
24 gr/pc

**HA-3016A**

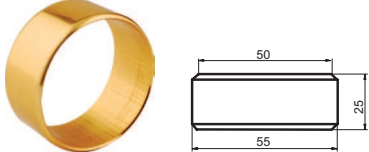

Ø 40 Düz Tapa  
Ø 40 Pipe Flat End Cap  
37 gr/pc

**HA-3017**


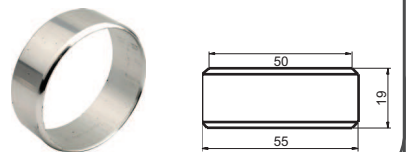
Ø 50 Düz Tapa  
Ø 50 Pipe Flat End Cap  
47 gr/pc

**HA-3018**


Ø 60 Bilezik  
Ø 60 Collar  
21 gr/pc

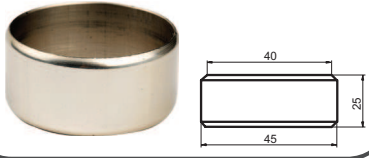
**HA-3019**


Ø 50 Bilezik  
Ø 50 Collar  
22 gr/pc

**HA-3019D**


Ø 50 Dar Bilezik  
Ø 50 Narrow Collar  
16 gr/pc

HA-3020



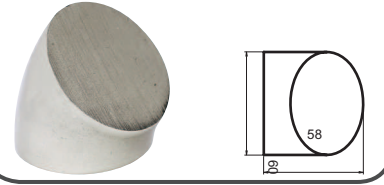
Ø 40 Bilezik  
Ø 40 Collar  
26 gr/pc

HA-3021



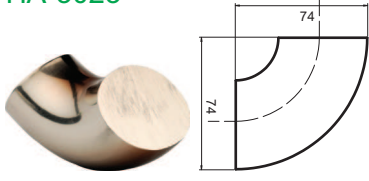
90° Simit Ø 60 Boru  
90° Elbow Fitting Ø 60 Pipe  
644 gr/pc

HA-3022



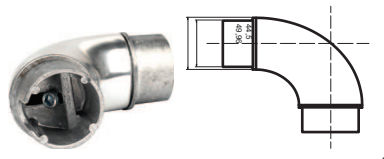
45° Simit Ø 60 Boru  
45° Elbow Fitting Ø 60  
322 gr/pc

HA-3023



90° Simit Ø 50 Boru  
90° Elbow Fitting Ø 50  
390 gr/pc

HA-3023B



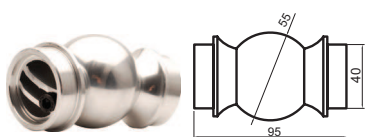
90° Takozlu Simit Ø 50 Boru  
90° Hollow Elbow Fitting Ø 50  
255 gr/pc

HA-3024



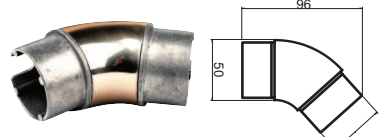
45° Simit Ø 50 Boru  
45° Elbow Fitting Ø 50  
195 gr/pc

HA-3024A



Bilezikli Ayarlı Simit Ø 50 Boru İçine  
Collared Adjustable Elbow Fitting Ø 50  
Pipe (into the pipe) 353 gr/pc

HA-3024B



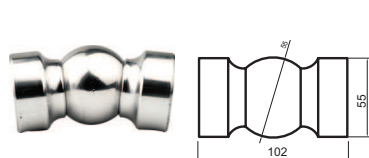
45° Takozlu Simit Ø 50 Boru  
45° Hollow Elbow Fitting Ø 50 Pipe  
195 gr/pc

HA-3024C



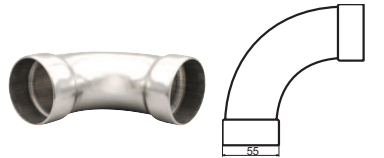
90° Bilezikli Simit Ø 50 Boru  
90° Collared Elbow Fitting Ø 50 Pipe  
200 gr/pc

HA-3024D



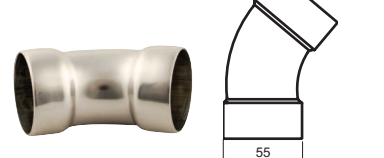
Bilezikli Ayarlı Simit Ø 50 Boru Dışına  
Collared Adjustable Elbow  
Fitting Ø 50 Pipe (around the pipe)  
346 gr/pc

HA-3024E



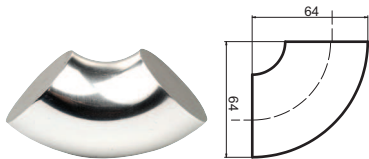
90° İçi Boş Simit Ø 50 Boru  
90° Collared Hollow Elbow Fitting Ø 50  
145 gr/pc

HA-3024F



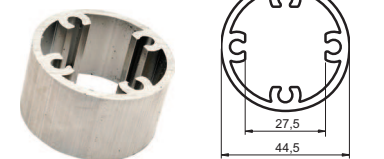
45° İçi Boş Simit Ø 50 Boru  
45° Collared Hollow Elbow Fitting  
Ø 50 102 gr/pc

HA-3025



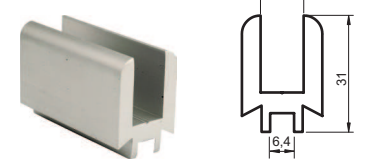
90° Simit Ø 40 Boru  
90° Elbow Fitting Ø 40  
241 gr/pc

HA-3027



Ø 50 Simit Takozu  
Ø 50 Elbow Adapter  
36 gr/pc

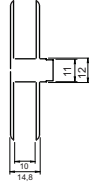
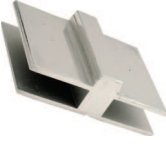
HA-3028



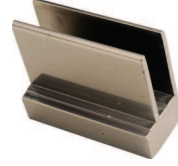
Cam Tutucu (Dikme İçin)  
Glass Holder (For Strut)  
43 gr/pc

**HA-3028A**

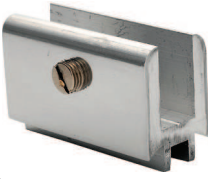

Dikme Arası Cam Tutucu  
Glass Holder (into canal)  
45 gr/pc

**HA-3028B**


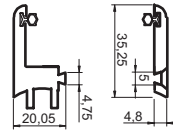
Çift Taraflı Cam Tutucu  
Double Sided Glass Holder For Strut  
67 gr/pc

**HA-3028C**


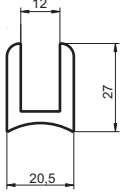
Bitiş Cam Tutucu  
Ending Glass Holder  
51 gr/pc

**HA-3028D**


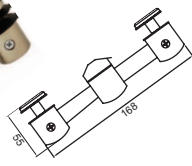
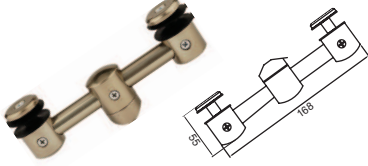
Dikmeye Göre Vidalı Cam Tutucu  
Glass Holder With Screw  
44 gr/pc

**HA-3028F**


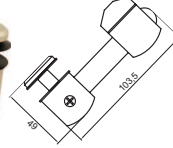
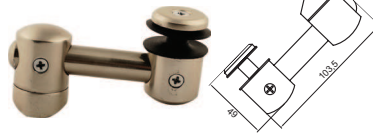
Fitilli Kapaklı Cam Tutucu (Dikme için)  
Demountable Glass Holder For Strut (inc.  
wick) 56 gr/pc

**HA-3029**


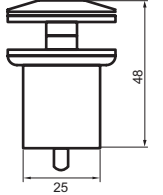
Boruya Göre Cam Tutucu  
Glass Holder For Pipe  
36 gr/pc

**HA-3029A**


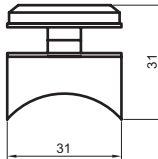
Çift Taraflı Cam Tutucu  
Double Sided Distance Holder  
236 gr/pc

**HA-3029B**


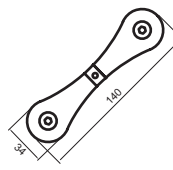
Tek Taraflı Cam Tutucu  
Single Sided Distance Holder  
166 gr/pc

**HA-3029C1**


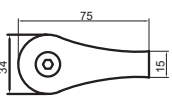
Spider Cam Tutucu  
Distance Holder  
59 gr/pc

**HA-3029C2**


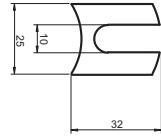
Spider Cam Tutucu Kurtağız  
Distance Holder Dovetail  
36 gr/pc

**HA-3029C3**


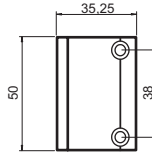
Çift Taraflı Cam Tutucu  
Double Sided Distance Holder  
90 gr/pc

**HA-3029C4**


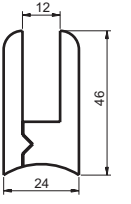
Tek Taraflı Cam Tutucu  
Double Sided Distance Holder  
50 gr/pc

**HA-3029D**


Vidalı Cam Tutucu (Boru İçin)  
Glass Holder with Screw For Pipe  
37 gr/pc

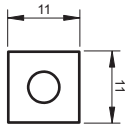
**HA-3029F**


Fitilli Kapaklı Cam Tutucu (Boru İçin)  
Demountable Glass Holder For Pipe  
54 gr/pc

**HA-3029G**


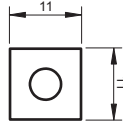
Yandan Kapaklı Cam Tutucu  
Demountable Glass Holder For Pipe  
101 gr/pc

HA-3030



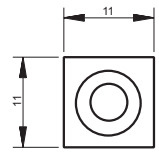
Cam Takozu  
Glass Stopper  
4 gr/pc

HA-3030A



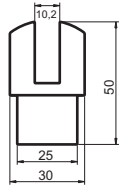
Cam Takozu Uzun  
Long Glass Stopper  
5 gr/pc

HA-3030B



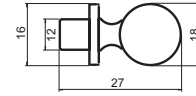
Cam Takozu Plastik  
Plastic Glass Stopper  
2 gr/pc

HA-3031



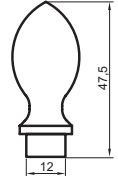
Ø 30 Yarıklı Tapa  
Female Fitting For Ø 30 Pipe  
53 gr/pc

HA-3032



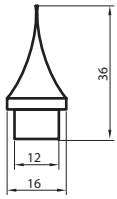
Ø 16 Dekorlu Tapa  
Ø 16 Decorative Plug  
40 gr/pc

HA-3032B



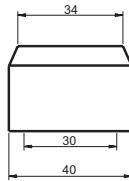
Ø 16 Dekorlu Tapa  
Ø 16 Decorative Plug  
19 gr/pc

HA-3032C



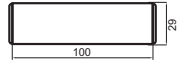
Ø 16 Dekorlu Tapa  
Ø 16 Decorative Plug  
7 gr/pc

HA-3033



Ø 30 Flaş  
Ø 30 Flange  
34 gr/pc

HA-3033B



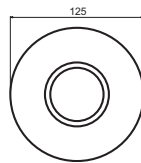
Ø 30 Flaş Boru Model  
Ø 30 Flange Pipe Model  
170 gr/pc

HA-3034



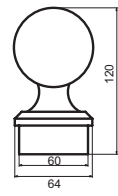
Ø 30 x Ø 50 Mafsal Takım  
Ø 30 x Ø 50 Combined Fitting 76 gr/pc

HA-3035B



Ø 50 Büyük Yer Flaş  
Ø 50 Decorative Big Base Flange  
352 gr/pc

HA-3037A



Ø 65 Dekorlu Büyük Tapa  
Ø 65 Big Decorative Plug  
810 gr/pc

HA-3037B



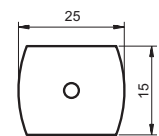
Ø 65 Kristal Büyük Tapa  
Ø 65 Glass Ball Decorative Plug  
700 gr/pc

HA-3037C



Ø 65 Kristal Büyük Tapa  
Ø 65 Glass Ball Decorative Plug  
750 gr/pc

HA-3038



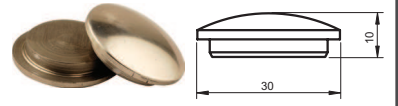
Ø 16 Emniyet Çubuk Aksesuarı  
Ø 16 Ring Safety Pipe Accessory  
8 gr/pc

**HA-3038A**

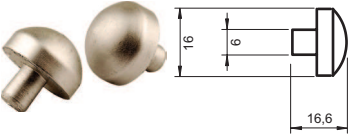

Ø 16 Emniyet Çubuk Bitiş Tapası  
Ø 16 Ending Safety Pipe Holder  
12 gr/pc

**HA-3038B**

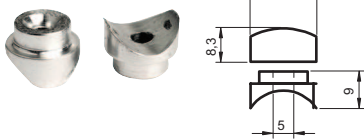

Ø 16 Emniyet Çubuğu Tutucu  
Ø 16 Safety Pipe Holder Dovetail  
27 gr/pc

**HA-3039**


Ø 30 Tapa  
Ø 30 End Cap  
11 gr/pc

**HA-3040**


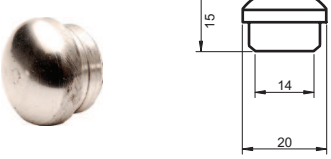
Ø 16 Dolu Tapası  
Ø 16 End Cap  
3 gr/pc

**HA-3040A**


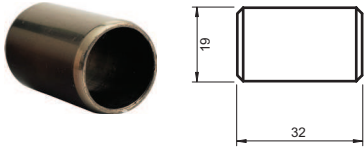
Ø 16 Vida Kapağı  
Ø 16 Cover For Screw  
5 gr/pc

**HA-3041**

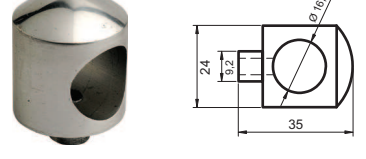

Ø 16 Boş Tapası  
Ø 16 End Cap  
4 gr/pc

**HA-3041A**


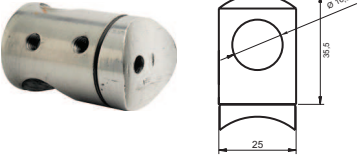
Ø 19 Tapa  
Ø 19 End Cap  
9 gr/pc

**HA-3042**


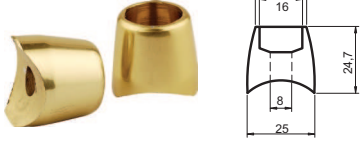
Ø 16 Yüzük  
Ø 16 Collar  
7 gr/pc

**HA-3043**


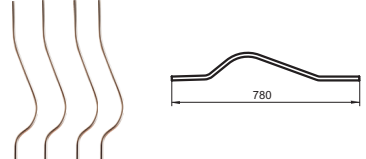
Ø 16 Emniyet Çubuk Tutucu  
Ø 16 Safety Pipe Holder  
19 gr/pc

**HA-3043A**


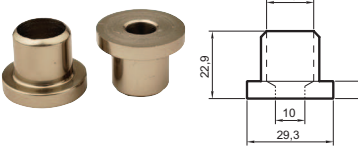
Ø 16 Emniyet Çubuk Tutucu  
Ø 16 Safety Pipe Holder (Dovetail)  
33 gr/pc

**HA-3043B**


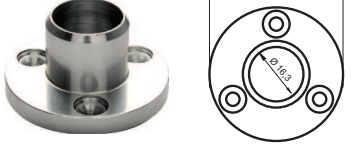
Ø 16 x Ø 30 Kurtağzı  
Ø 16 x Ø 30 Dovetail Fitting  
14 gr/pc

**HA-3043C**


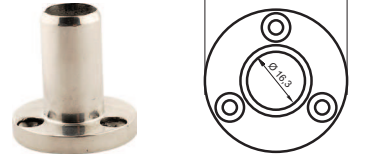
Ø 16 Bombeli Emniyet Çubuğu  
Ø 16 Bowed Safety Pipe  
200 gr/mt

**HA-3044**


Ø 16 Duvar Flaşısı  
Ø 16 Wall Flange  
13 gr/pc

**HA-3044A**


Ø 16 Duvar Flaşısı  
Ø 16 Wall Flange  
(With Screw Hole) 11gr/pc

**HA-3044B**


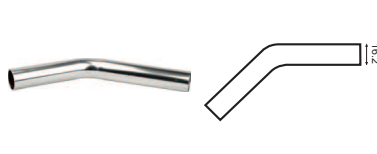
Ø 16 Uzun Duvar Flaşısı  
Ø 16 Long Wall Flange  
(With Screw Hole) 25 gr/pc

HA-3045



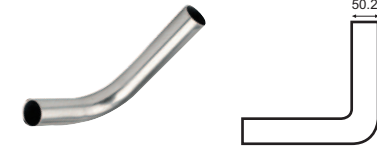
90° Boru Dönüş Ø 16  
90° Elbow Pipe Ø 16  
26 gr/pc

HA-3045A



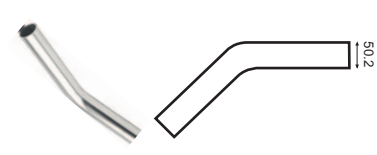
45° Boru Dönüş Ø 16 45° Elbow  
Pipe Ø 16  
26 gr/pc

HA-3045B



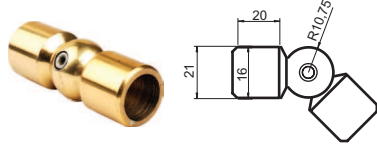
90° Boru Dönüş Ø 50  
90° Elbow Pipe Ø 50  
445 gr/pc

HA-3045C



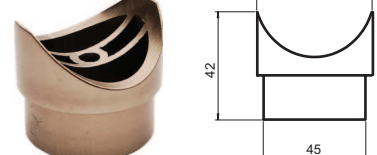
45° Boru Dönüş Ø 50  
45° Elbow Pipe Ø 50  
445 gr/pc

HA-3045D



Ø 16 Ayarlı Dirsek  
Ø 16 Adjustable Elbow Fitting  
40 gr/pc

HA-3046



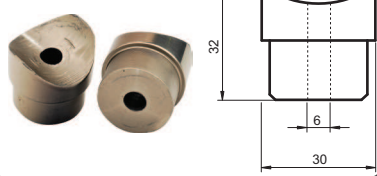
Ø 50 X Ø 50 Kurtağzı  
Ø 50 X Ø 50 Dovetail Fitting  
65 gr/pc

HA-3046A



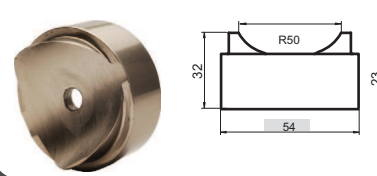
Ø 40 X Ø 40 Kurtağzı  
Ø 40 X Ø 40 Dovetail Fitting  
84 gr/pc

HA-3046B



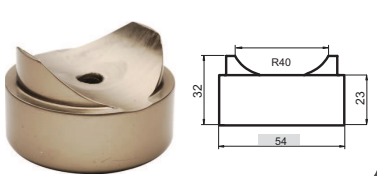
Ø 30 X Ø 40 Kurtağzı  
Ø 30 X Ø 40 Dovetail Fitting  
40 gr/pc

HA-3046C



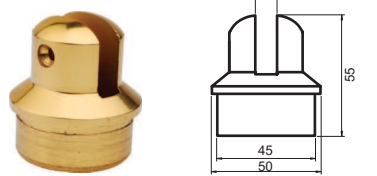
Ø 50 X Ø 50 Kurtağzı  
Ø 50 X Ø 50 Dovetail Fitting  
58 gr/pc

HA-3046D



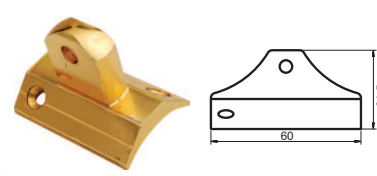
Ø 50 X Ø 40 Kurtağzı  
Ø 50 X Ø 40 Dovetail Fitting  
58 gr/pc

HA-3047



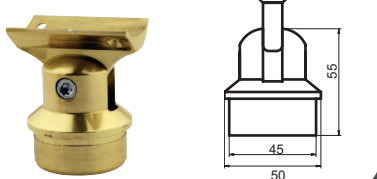
Ø 50 Yarıklı Tapa  
Ø 50 Female Fitting  
123 gr/pc

HA-3047B



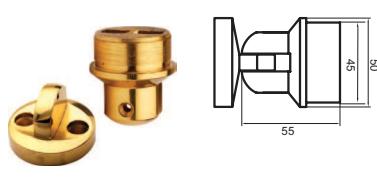
Ø 50 Ay Bağlantı  
Ø 50 Male Fitting  
43 gr/pc

HA-3047C



Ø 50 Mafsals Takım  
Ø 50 Assembled Fitting  
175 gr/pc

HA-3047D

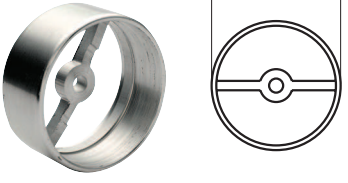


Ø 50 Açılı Mafsals Takım  
Ø 50 Assembled Fitting Angled  
193 gr/pc

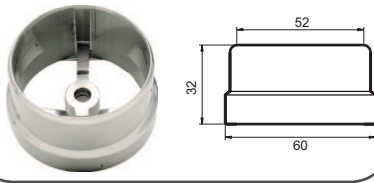
HA-3048



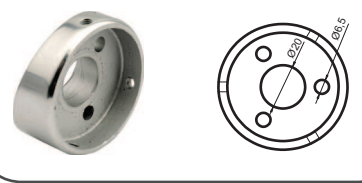
Ø 50 Uzun Bilezik  
Ø 50 Long Collar  
41 gr/pc

**HA-3048B**


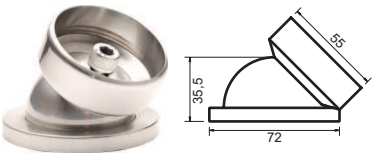
Ø 50 Simit Bileziği  
Ø 50 Collar For Elbow Fitting  
28 gr/pc

**HA-3049**


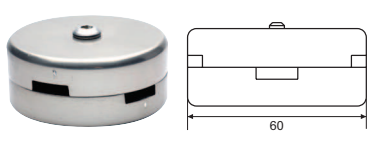
Ø 50 Duvar Flaşı  
Ø 50 Wall Flange  
55 gr/pc

**HA-3049A**


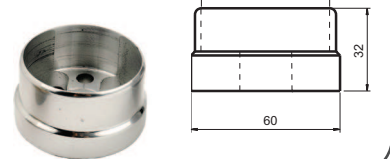
Ø 50 Açılı Duvar Flaşı  
Ø 50 Angled Wall Flange  
88 gr/pc

**HA-3049B**


Ø 50 Hareketli Flaş  
Ø 50 Flexible Flange  
190 gr/pc

**HA-3049C**


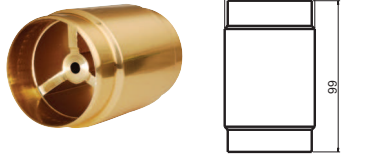
Çapraz Emniyet Çubuk Tutucu  
Cross Security Pipe Flange  
180 gr/pc

**HA-3050**


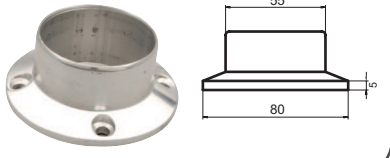
Ø 50 Duvar Flaşı  
Ø 50 Wall Flange  
85 gr/pc

**HA-3051**

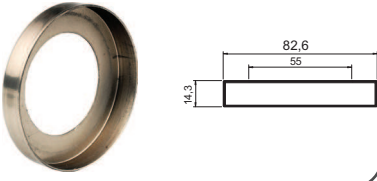

Ø 40 Uzun Flaş  
Ø 40 Long Flange  
233 gr/pc

**HA-3052**


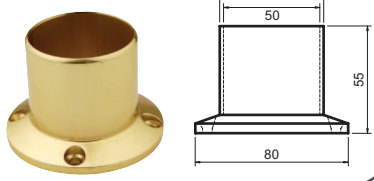
Ø 50 Uzun Flaş  
Ø 50 Long Flange  
231 gr/pc

**HA-3053**


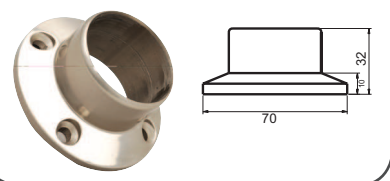
Ø 50 Dış Flaş  
Ø 50 External Flange  
74 gr/pc

**HA-3053A**


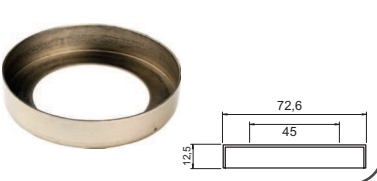
Ø 50 Saç Flaş  
Ø 50 Cover Ring  
16 gr/pc

**HA-3053U**


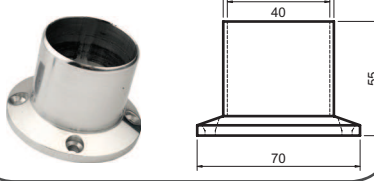
Ø 50 Uzun Dış Flaş  
Ø 50 External Long Flange  
100 gr/pc

**HA-3054**


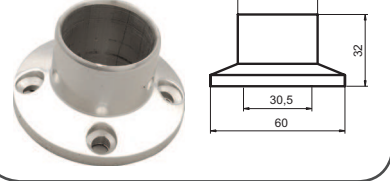
Ø 40 Dış Flaş  
Ø 40 External Flange  
73 gr/pc

**HA-3054A**


Ø 40 Saç Flaş  
Ø 40 Cover Ring  
13 gr/pc

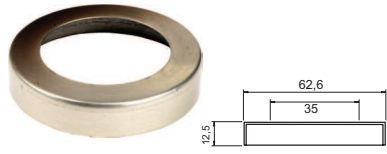
**HA-3054U**


Ø 40 Uzun Dış Flaş  
Ø 40 External Long Flange  
86 gr/pc

**HA-3055**


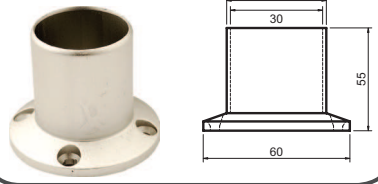
Ø 30 Dış Flaş  
Ø 30 External Flange  
50 gr/pc

HA-3055A



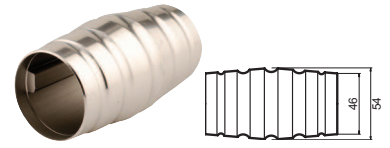
Ø 30 Saç Flaş  
Ø 30 Cover Ring  
10 gr/pc

HA-3055U



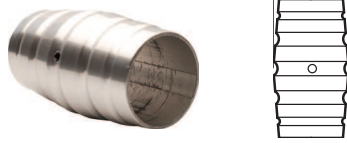
Ø 30 Uzun Dış Flaş  
Ø 30 External Long Flange  
72 gr/pc

HA-3056



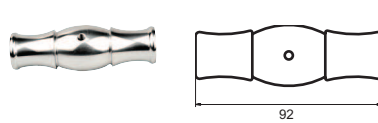
Ø 40 Uzun Dekorlu Flaş  
Ø 40 Decorative Long Flange  
153 gr/pc

HA-3056B



Ø 40 Uzun Dekorlu Tırnaksız Flaş  
Ø 40 Decorative Long Flange  
No Teeth 131 gr/pc

HA-3056C



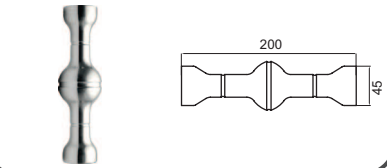
Ø 16 Dekorlu Flaş  
Ø 16 Decorative Flange  
60 gr/pc

HA-3056D



Ø 40 Dikme Saray Dekoratif Flaşı  
Ø 40 Strut Luxury Big Flange  
702 gr/pc

HA-3056E



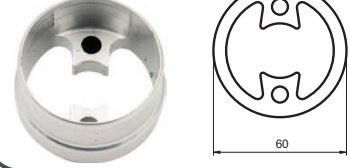
Ø 40 Dikme Saray Dekorlu Flaşı  
Ø 40 Strut Luxury Big Flange  
400 gr/pc

HA-3056F



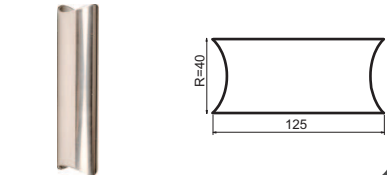
Ø 40 Dikme Saray Dekorlu Flaşı  
Ø 40 Strut Luxury Big Flange  
619 gr/pc

HA-3057



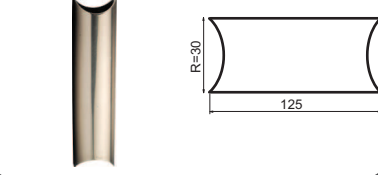
Ø 50 Tırnaklı Flaş  
Ø 50 Base Flange  
53 gr/pc

HA-3059



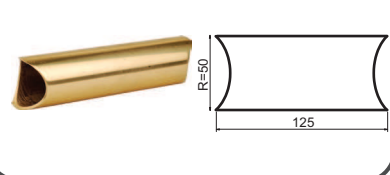
Ø 40 Çift Taraflı Duvar Ara urtağı  
Ø 40 Side Mounting Fitting  
(Double Sided) 49 gr/pc

HA-3059A



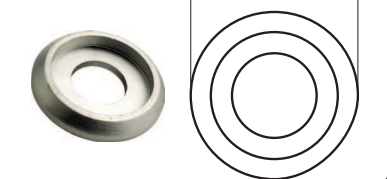
Ø 30 Çift Taraflı Duvar Ara Kurtağı  
Ø 30 Side Mounting Fitting (Double Sided)  
49 gr/pc

HA-3059B



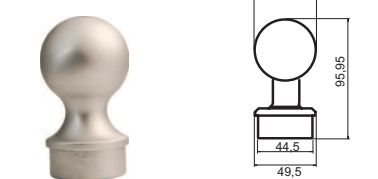
Ø 50 Çift Taraflı Duvar Ara Kurtağı  
Ø 50 Side Mounting  
Fitting (Double Sided) 50 gr/pc

HA-3060



Ø 40 Yüzük  
Ø 40 Ring  
9 gr/pc

HA-3061



Ø 50 Büyük Dekorlu Tapa  
Ø 50 Big Decorative Plug  
445 gr/pc

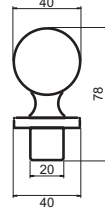
HA-3061B



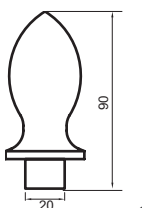
Ø 50 Kristal Dekorlu Tapa  
Ø 50 Glass Ball  
Decorative Plug 710 gr/pc

**HA-3061C**

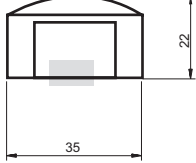

Ø 50 Kristal Dekorlu Tapa  
Ø 50 Glass Ball  
Decorative Plug 790 gr/pc

**HA-3063**


Ø 40 Dekorlu Dikme Tapa  
Ø 40 Strut Decorative Plug  
130 gr/pc

**HA-3063B**


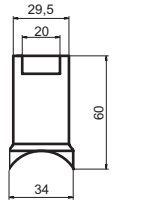
Ø 40 Dekorlu Dikme Tapa  
Ø 40 Strut Decorative Plug  
169 gr/pc

**HA-3064**


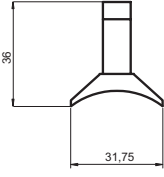
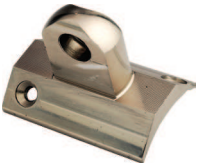
Duvar Dibi Tapa  
Plug Of Wall Connection Set  
22 gr/pc

**HA-3065**

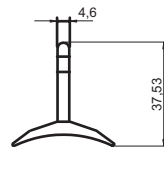

Duvar Dibi Bağlantısı Connector Of Wall  
Connection Set  
60 gr/pc

**HA-3065B**


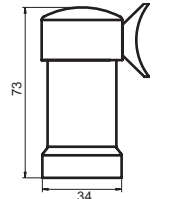
Duvar Dibi Bağlantısı Kurtağzı  
Connector Of Wall  
Connection Set (Dovetail) 61 gr/pc

**HA-3066**


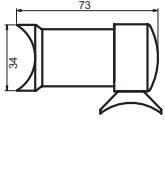
Duvar Dibi Aybağlantı  
Male Fitting Of Wall  
Connection Set 33 gr/pc

**HA-3066A**


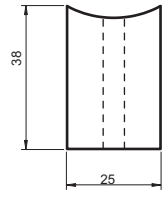
İnce Ay Bağlantı  
Thin Male Fitting  
28 gr/pc

**HA-3066B**


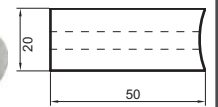
Duvar Dibi Takım  
Wall Connection Set  
160 gr/pc

**HA-3066C**


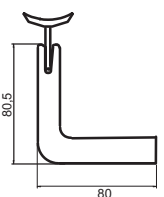
Duvar Dibi Takım Kurtağzı  
Wall Connection Set (Dovetail)  
157 gr/pc

**HA-3067**


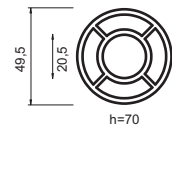
Ø 30 X Ø 40 Yandan Ara Bağlantı  
Ø 30 X Ø 40 Strut Connector  
43 gr/pc

**HA-3067A**


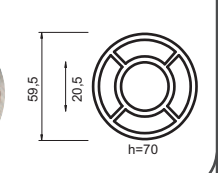
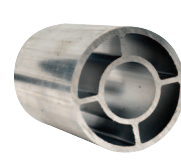
Ø 30 X Ø 50 Yandan Ara Bağlantı  
Ø 30 X Ø 50 Strut Connector 50 gr/pc

**HA-3067B**


Duvar Dibi Bağlantı Takım  
Wall Connection Set  
118 gr/pc

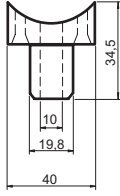
**HA-3068**


Delikli Dolu  
Socket For Anchor Iron  
108 gr/pc

**HA-3068B**


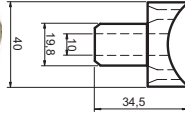
Ø 60 Takoz  
Ø 60 Socket  
200 gr/pc

HA-3069



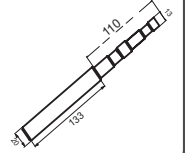
Ø 40 Dikme X Ø 50 Boru Kurtağzı  
Ø 40 Strut X Ø 50 Pipe Connection  
Fitting 41 gr/pc

HA-3069A



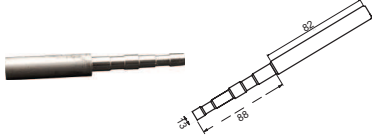
Ø 40 Dikme X Ø 40 Boru Kurtağzı  
Ø 40 Strut X Ø 40 Pipe Connection Fitting 40  
gr/pc

HA-3070



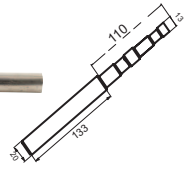
Ø 40 Dikme Ankraj Demiri  
Ø 40 Strut Iron Anchor  
465 gr/pc

HA-3070A



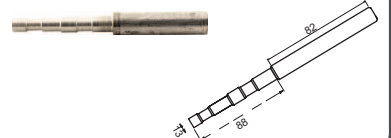
Ø 40 Dikme Kısa Ankraj Demiri  
Ø 40 Strut Short Iron Anchor  
320 gr/pc

HA-3070C



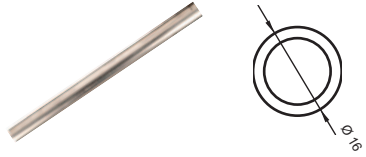
Ø 40 Dikme Alüminyum Ankraj  
Ø 40 Strut Aluminium Anchor  
137 gr/pc

HA-3070D



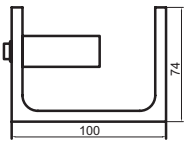
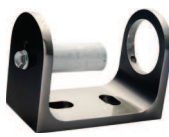
Ø 40 Dikme Kısa Alüminyum Ankraj  
Ø 40 Strut Short Aluminium Anchor  
97 gr/pc

HA-3070E



Saray Dikme Flanş Ankrajı  
Anchor For Luxury Strut Flange  
150 gr/pc

HA-3070F



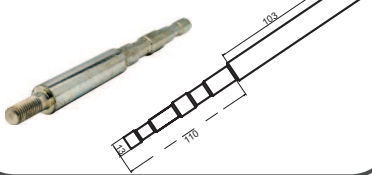
Ø 40 Dikme Yandan Ara Bağlantı Soketi  
Ø 40 Side Mounting Anchor Base  
250 gr/pc

HA-3071



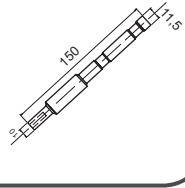
Kalın Ankraj Demiri  
Thick Iron Anchor  
600 gr/pc

HA-3072



Vidalı Ankraj Demiri  
Screw-Head Iron Anchor  
430 gr/pc

HA-3073



Yandan Montaj Ankraj Demiri  
Side Mounting Iron Anchor  
135 gr/pc

HA-3074



M5 Vida  
M5 Screw  
10 gr/pc

HA-3074A



M6 Vida  
M6 Screw  
23 gr/pc

HA-3075



Çelik Dübel Steel Socket  
15 gr/pc

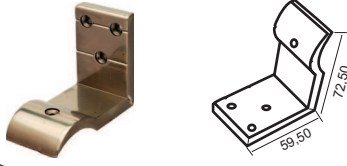
HA-1025

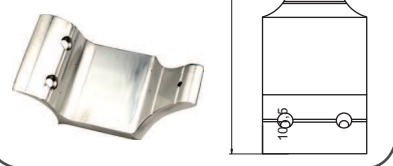


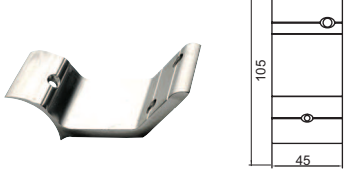
Epoksi Yapıştırıcı  
Epoxy Adhesive  
800 gr/pc

**HA-3076**

 Akemi  
Adhesive  
1325 gr/pc

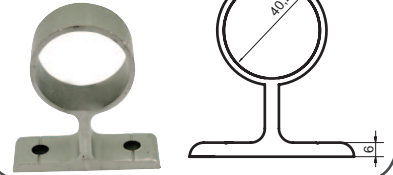
**HA-3077**

 L Duvar Bağlantı  
L Type Pipe Holder  
83 gr/pc

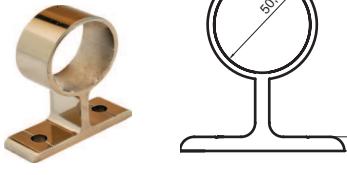
**HA-3077A**

 Açılı L Duvar Bağlantı  
Angled L Type Pipe Holder  
82 gr/pc

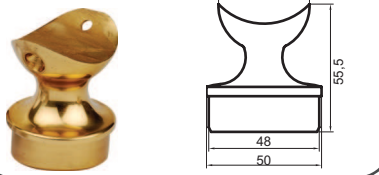
**HA-3077A2**

 Açılı L Duvar Bağlantı  
Angled L Type Pipe Holder  
80 gr/pc

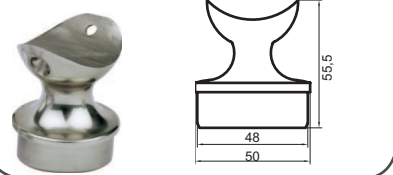
**HA-3077B**

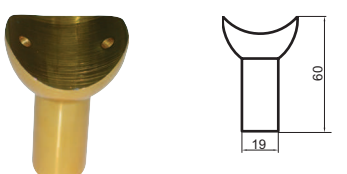
 Ø 40 Dikme Duvar Dibi Bağlantı  
Wall Connection For Ø 40 Strut  
67 gr/pc

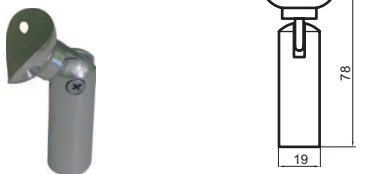
**HA-3077C**

 Ø 40 Boru Duvar Dibi Bağlantı  
Wall Connection For Ø 40 Pipe  
64 gr/pc

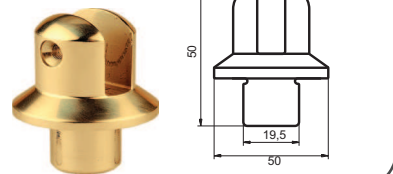
**HA-3077D**

 Ø 50 Boru Duvar Dibi Bağlantı  
Wall Connection For Ø 50 Pipe  
66 gr/pc

**HA-3078**

 Ø 50 x Ø 50 Mafsals Bağlantı  
Ø 50 x Ø 50 Pipe Connector  
89 gr/pc

**HA-3079**

 Ø 50 x Ø 65 Mafsals Bağlantı  
Ø 50 x Ø 65 Pipe Connector  
89 gr/pc

**HA-3044B**

 Ø 16 x Ø 40 Mafsals Bağlantı  
Ø 16 x Ø 40 Pipe Connector  
46 gr/pc

**HA-3044C**

 Ø 16 x Ø 40 Hareketli Mafsals Bağlantı  
Ø 16 x Ø 40 Flexible Pipe Connector  
39 gr/pc

**HA-3047A**

 Ø 50 Dikme Yarıklı Tapa  
Ø 50 Strut Female Fitting  
65 gr/pc

HA - 2001



Inox Kapı Kolu  
Inox Door Handle

HA - 2002



Inox Eksantrik Kapı Kolu  
Inox Eccentric Door Handle

HA - 1002



Yarıklı Tapa Boru Çapları (mm)  
Female Fitting Pipe Diameters (mm)  
Ø 32 - Ø 38 - Ø 51

HA - 1005



Ay Bağlantı  
Male Fitting

HA - 1007



Duvar Dibi Bağlantısı  
Connector of Wall  
Connection Set

HA - 1007A



Duvar Dibi Tapası  
Plug of Wall  
Connection Set

HA - 1008



Ayarlı Simit  
Adjustable Bracelet

HA - 1016



Ø 16 Tapa  
Ø 16 End Cap

HA - 1018



Ø 16 Yüzük  
Ø 16 Ring

HA - 1020



Flanş - Flange  
Boru Çapları (mm)  
Pipe Diameters (mm)  
Ø 32 - Ø 38 - Ø 51

HA - 1023



Ø 38 Ankraj Demiri  
Ø 38 Anchorage

HA - 1024



Ø 32 Ankraj Demiri  
Ø 32 Anchorage

HA - 1025  
Rozet - Rosette



Boru Çapları (mm)  
Pipe Diameters (mm)  
Ø 25 - Ø 32 - Ø 38 - Ø 51

HA - 1026  
Rozet - Rosette



Boru Çapları (mm)  
Pipe Diameters (mm)  
Ø 25 - Ø 32 - Ø 38

HA - 1027  
Rozet - Rosette



Profil Ölçüleri (mm)  
Profiles (mm)  
20 x 20 - 25 x 25 - 30 x 30

**HA - 1028**  
 Rozet - Rosette

 Profil Ölçüleri (mm)  
 Profiles (mm)  
 40 x 40

**HA - 1029**  
 Rozet - Rosette

 Profil Ölçüleri (mm)  
 Profiles (mm)  
 20 x 20 - 25 x 25  
 30 x 30 - 40 x 40

**HA - 1030**  
 Tırnaklı Kapak -  
 End Cap With Teeth

 Boru Çapları (mm)  
 Pipe Diameters (mm)  
 Ø 32 x 1,5 - Ø 38 x 1,5  
 Ø 42 x 1,5 - Ø 51 x 1,5

**HA - 1031**  
 Geçme Kapak -  
 Round End Cap

 Boru Çapları (mm)  
 Pipe Diameters (mm)  
 Ø 25 - Ø 32 - Ø 38 - Ø 51

**HA - 1032**  
 Kare Geçme Kapak -  
 Square End Cap

 Profil Ölçüleri (mm)  
 Profiles (mm)  
 30 x 30 - 40 x 40 - 50 x 50

**HA - 1033**  
 Küre Geçme Kapak -  
 Ball Plug

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 38 - Ø 51

**HA - 1034B**  
 Dikme Mafsal -  
 Straight Saddle

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 38 - Ø 42 - Ø 51 - Ø 60

**HA - 1035**  
 Dikme Mafsal Kare -  
 Straight Saddle

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 38 - Ø 51

**HA - 1036**  
 Dikme Mafsal Kare -  
 Straight Saddle

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1037**  
 Dikme Kolçağı -  
 Handrail Support

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1038**  
 Dikme Kolçağı -  
 Handrail Support

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1039**  
 Flaşlı Duvar Kolçağı -  
 Handrail Support With Flange

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1040**  
 Sabit Duvar Kolçağı -  
 Handrail Support With Flange

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1041**  
 Ankrajlı Duvar Kolçağı -  
 Handrail Support  
 With Anchorage

 Küpeşte Çapları (mm)  
 Strut Diameters (mm)  
 Ø 32 - Ø 51

**HA - 1042**  
 Yan Ankrajlı Bağlantı Elemanı -  
 Side Mounting Fitting

 Boru Çapları (mm)  
 Pipe Diameters (mm)  
 Ø 32 x 1,5 - Ø 38 x 1,5  
 Ø 51 x 1,5

**HA - 1043**  
Kurtağızlı Badem Yüzük -  
Crossbar Holder



Ø 32 - Ø 38 - Ø 51

Delik Çapları (mm) Ø 8 - Ø 10  
Hole Diameters (mm) Ø 12 - Ø 16

**HA - 1019**  
Bilezik - Bracelet



Boru Çapları (mm)  
Pipe Diameters (mm)  
Ø 51

**HA - 1044**  
Küre Yüzük - Ball Ring



Delik Çapları (mm)  
Hole Diameters (mm)  
Ø 8 - Ø 10 - Ø 12 - Ø 16

**HA - 1045**  
Dikme Babası -  
Decorative Ball Plug



Ø 42 - Ø 51 - Ø 60  
Boru Çapları (mm)  
Pipe Diameters (mm) Ø 38 x 1,5 - Ø 42 x 1,5  
Ø 51 x 1,5 - Ø 60 x 1,5

**HA - 1046**  
Dekorlu Dikme Babası -  
Decorative Ball Plug



Ø 72 Boru Çapları (mm)  
Pipe Diameters (mm)  
Ø 38 x 1,5 - Ø 42 x 1,5  
Ø 51 x 1,5 - Ø 60 x 1,5

**HA - 1047**  
Kare Cam Tutamağı -  
Square Glass Clamp



Dikme Kurtağız Ölçüleri (mm)  
Strut Diameters (mm)  
Ø 32 - Ø 38 - Ø 51

**HA - 1048**  
Cam Tutamağı -  
Glass Clamp



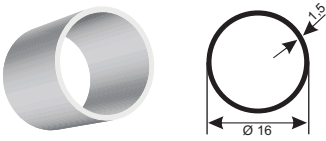
Dikme Kurtağız Ölçüleri (mm)  
Strut Diameters (mm)  
Ø 32 - Ø 38 - Ø 51

**HA - 1049**  
Oval Cam Tutamağı -  
Oval Glass Clamp



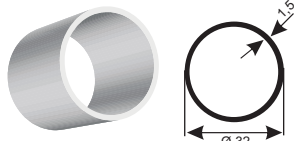
Dikme Kurtağız Ölçüleri (mm)  
Strut Diameters (mm)  
Ø 32 - Ø 38 - Ø 51

**HA - 1050**



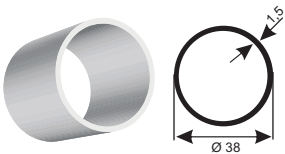
Ø 16 Boru  
Ø 16 Tube

**HA - 1051**



Ø 32 Boru  
Ø 32 Tube

**HA - 1052**



Ø 38 Boru  
Ø 38 Tube

**HA - 1053**



Ø 51 Boru  
Ø 51 Tube

65'lik Alüminyum Aksesuarlı Pleksi Babalar



HA-2601



HA-2602

70'lik Ahşap ve Paslanmaz Aksesuarlı Pleksi Babalar



HA-2650 BABEL

80'lik Alüminyum Aksesuarlı Pleksi Babalar



HA-2701



HA-2701-A



HA-2702



HA-2702-A



HA-2703



HA-2703-A



HA-2704



HA-2704-A

80'lik Paslanmaz Aksesuarlı Pleksi Babalar



HA-2705



100'lük Alüminyum Aksesuarlı Pleksi Babalar



100'lük Paslanmaz Aksesuarlı Pleksi Babalar



DİKMELER STRUT PROFILA

38'lik Alüminyum Aksesuarlı Pleksi Dikmeler



HA-2501



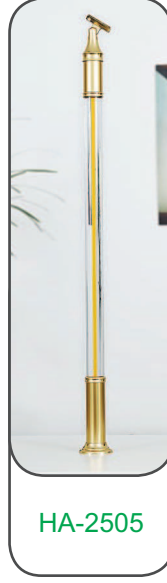
HA-2502



HA-2503



HA-2504



HA-2505



HA-2506



HA-2507



HA-2508



HA-2509



HA-2510



HA-2511



HA-HALAB  
2512



HA-BAGDHAD  
2513



HA-BAGDHAD  
2514

38'lik Paslanmaz Aksesuarlı Pleksi Dikmeler



HA-2550



HA-2551



HA-2552



HA-2553



HA-2554



HA-2555



HA-2556



HA-2557



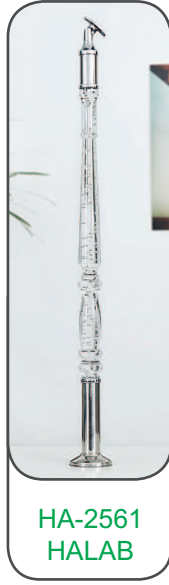
HA-2558



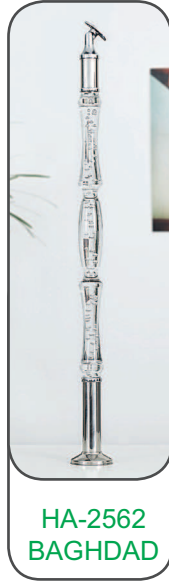
HA-2559



HA-2560



HA-2561  
HALAB



HA-2562  
BAGHDAD

Ahşap Aksesuarlı Pleksi Dikmeler

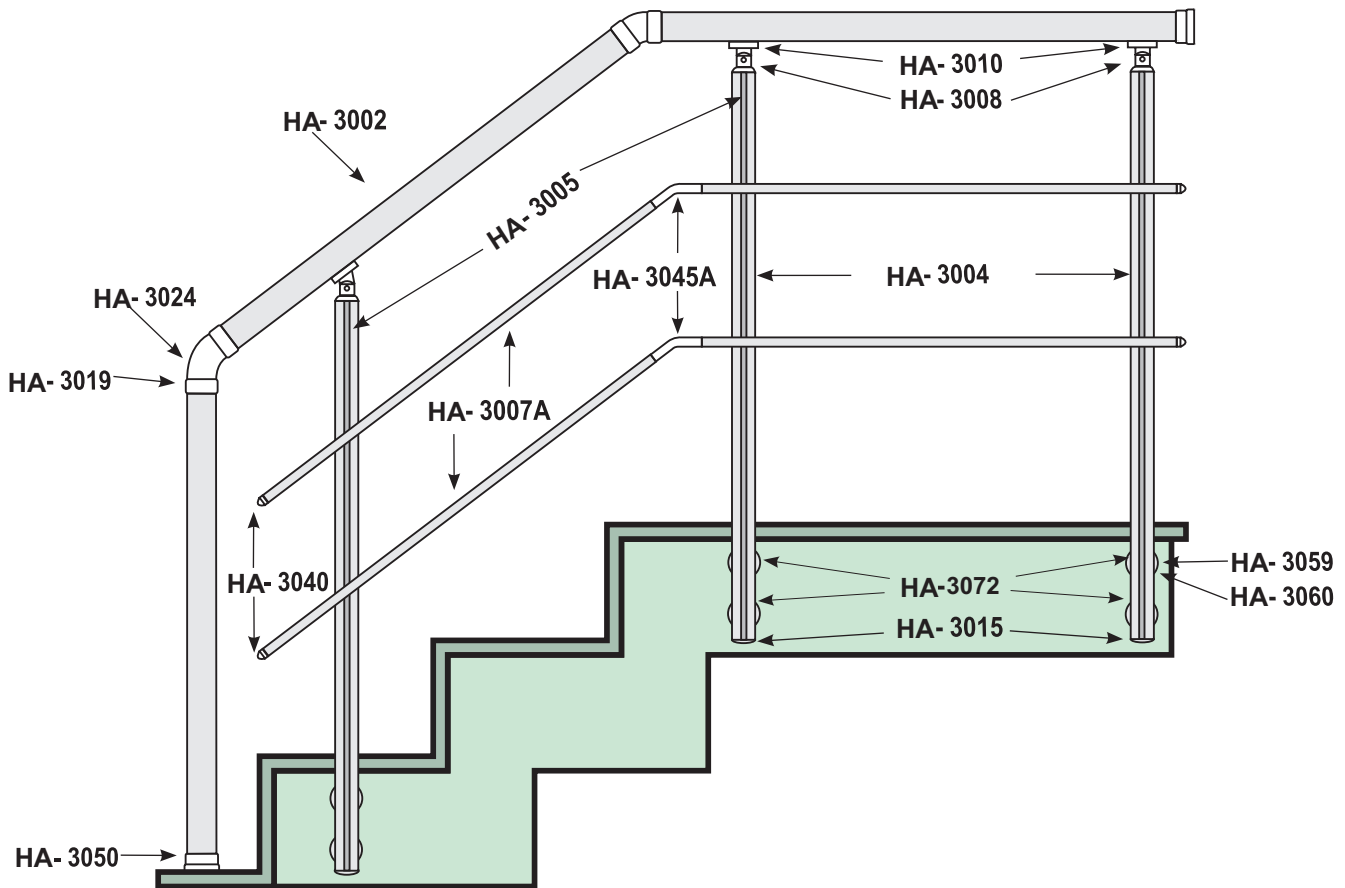
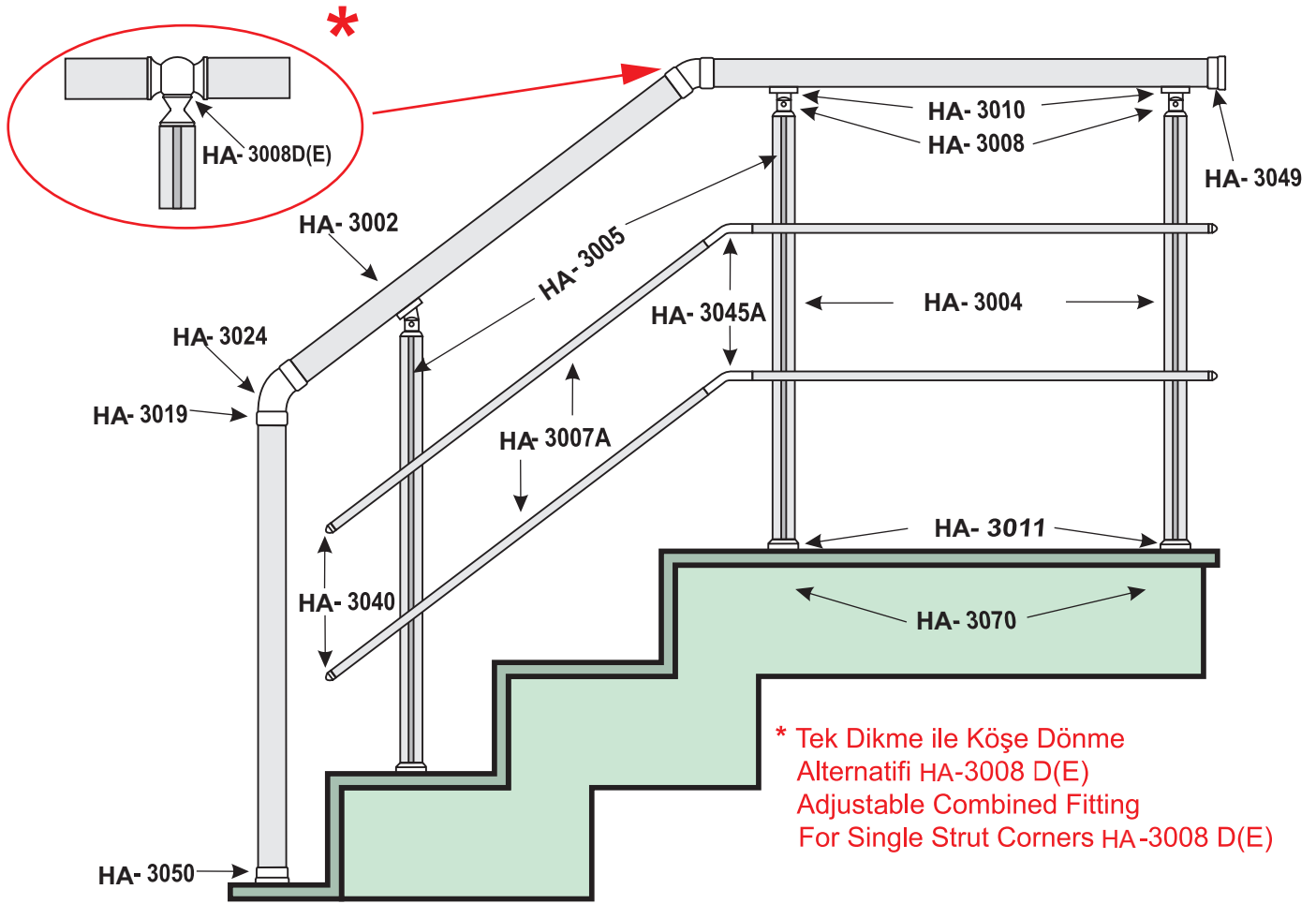


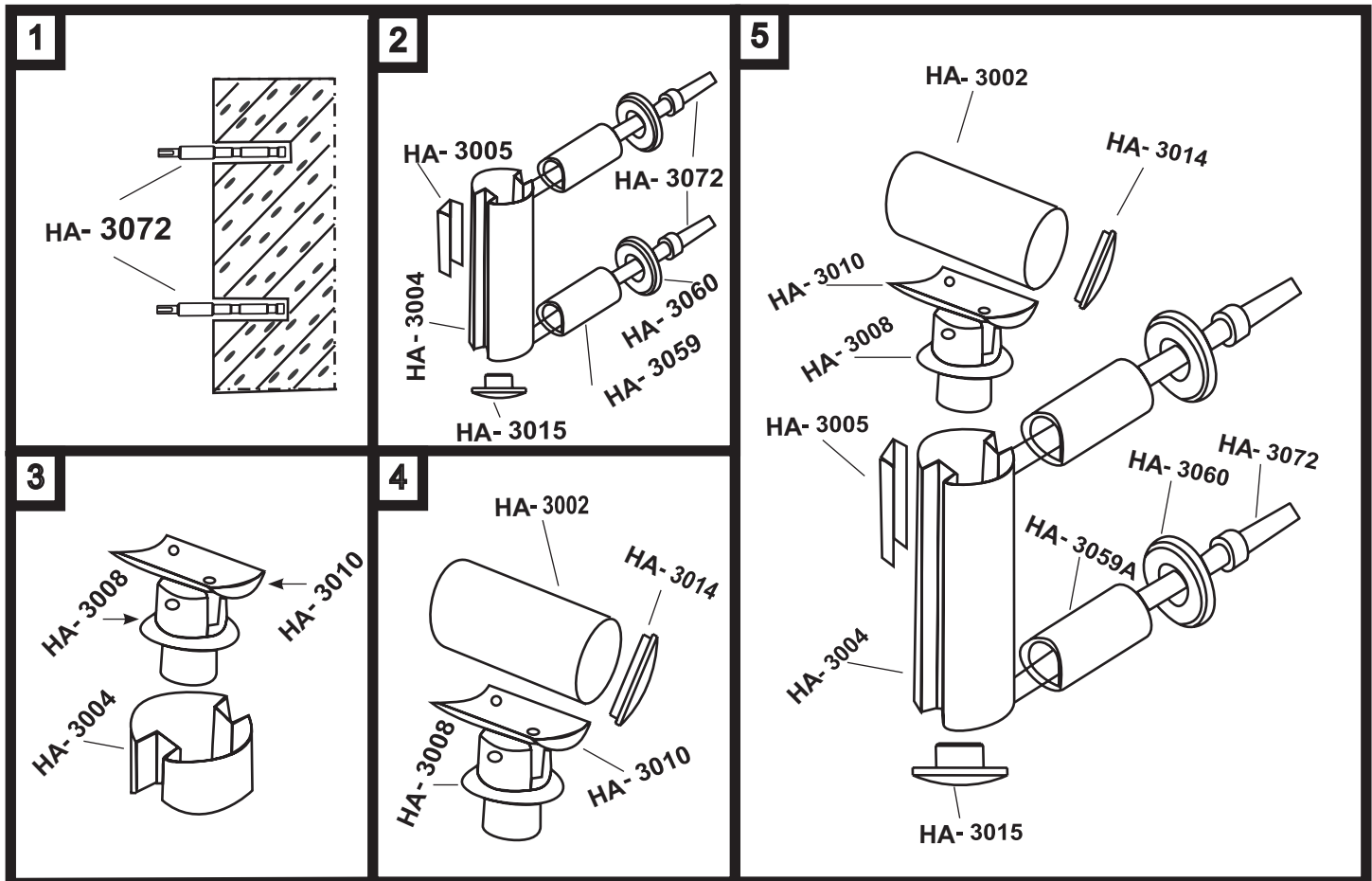
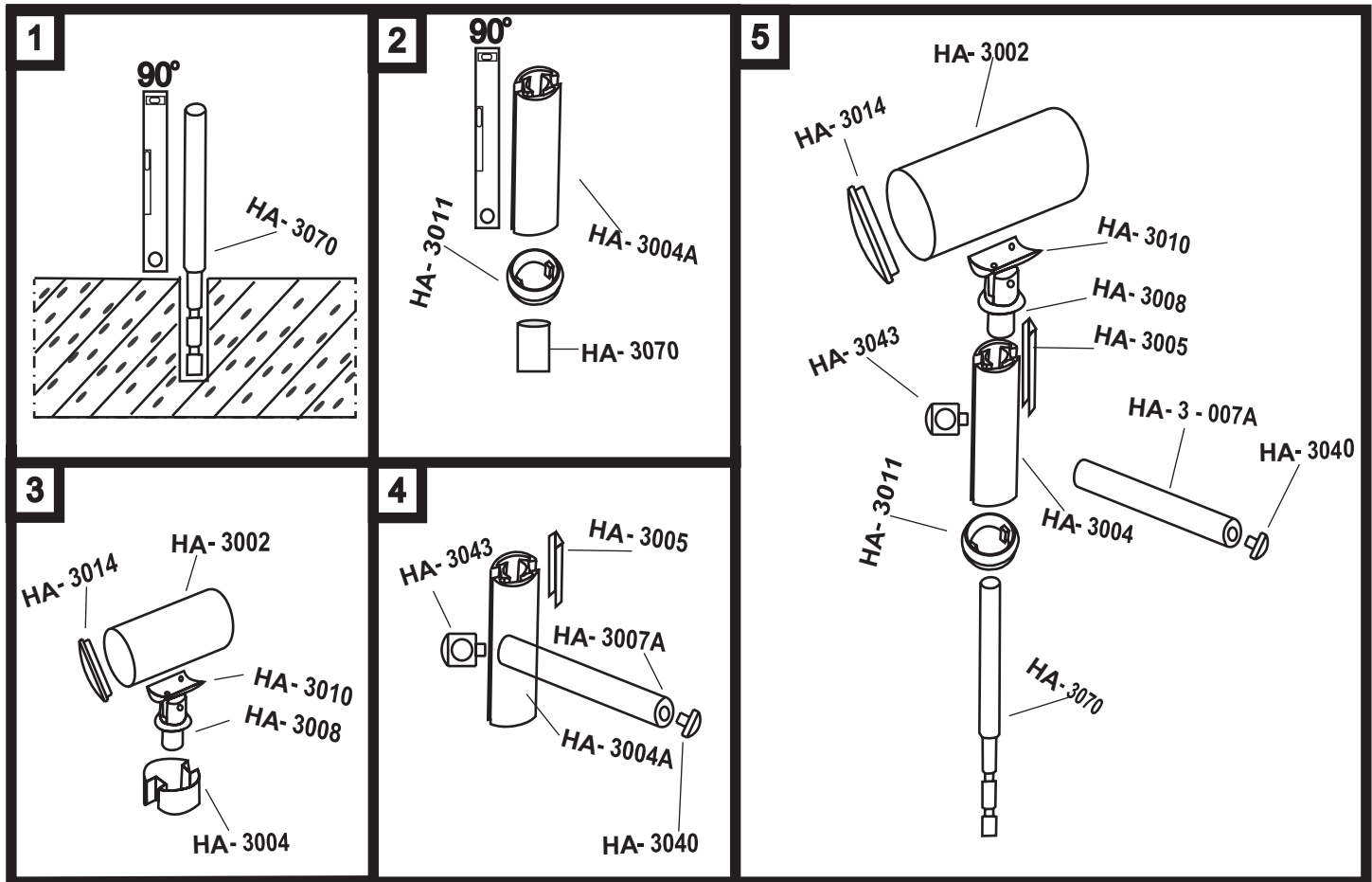
HA-2580  
BABEL

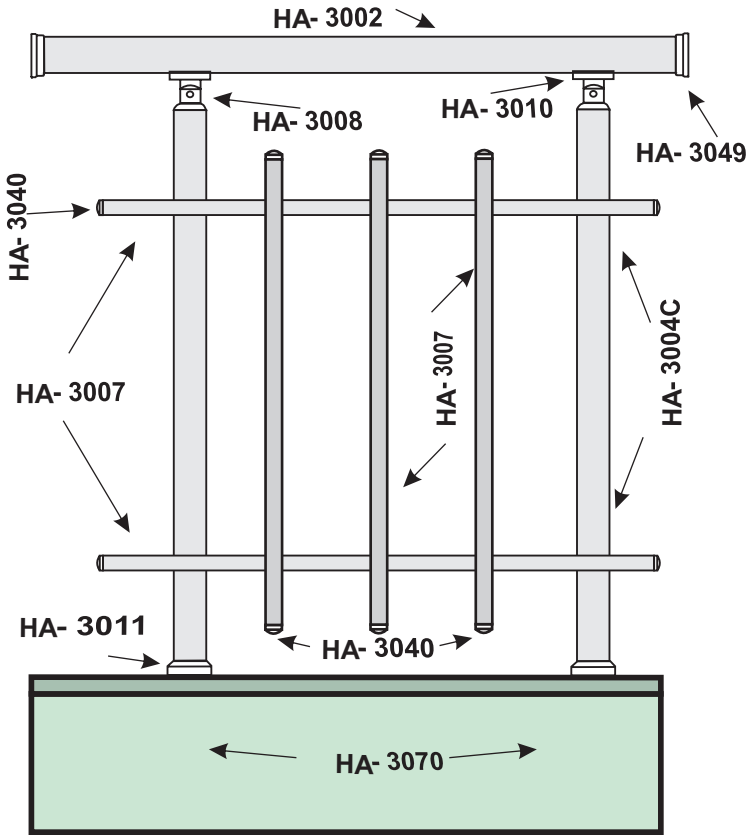


HA-2581  
BABEL









## MONTAJ DETAYLARI

Basamak ve sahanlık ankraj delikleri ip çekilerek yapılmalı.

Delik delme işlemlerinde mermerlerin kırılmamasına dikkat edilmeli.

Açılan delikler içindeki tozlar, pompa yardımı ile temizlenmeli.

Ankrajların yerinden oynamaması için, epoksi veya akemi yapıştırıcı yeterli miktarda kullanılmalı, dondurucu ile iyice karıştırılmalı.

Ankraj, yapıştırıcı kurumadan teraziye alınmalı.

Projedeki yüksekliğe göre dikme boyları kesilerek, kullanılacak aksesuarlar dikmeye tam oturmalı, açıklık kalmamalı, dikmeler tam gönyesinde kesilmeli, çapak olmamalı.

Üst tutamak boruları dikmelere tam oturmalı, mafsallarda açıklık kalmamalı, vidalar tam sıkılmalı yamuk durmamalı, dikmelerin terazisine bakılarak montaja devam etmeli.

Simit dönüşlerinde simit takozları iyi sıkılmalı, en az 2 adet vida kullanılmalı, havşalar açılırken fazla veya az olmamalı, kullanılan vidaların malzemeyi sıktığından emin olunmalı.

Bilezikler yerlerine oturmalı, açıklık kalmayacak şekilde dirseklerin aralığını kapamalı.

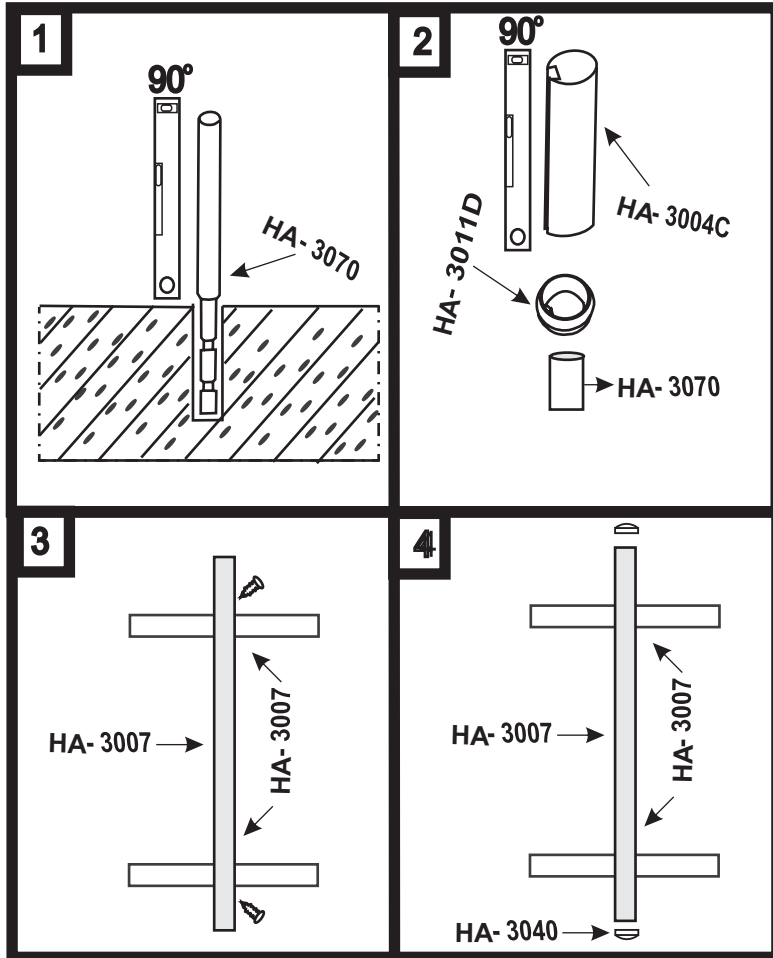
Katlar arasında dirsek dönüşleri yapılırken, sahanlık aralarının geçişleri terazisinde olmalı.

Emniyet çubukları üst boruya uyumlu olacak şekilde ve dönüşler birbirleriyle şekülüne uygun olarak yapılmalı.

Eloksalli, satineli ve parlak malzeme yüzeylerinin çizik ve darbe almamasına dikkat edilmeli.

Uygulamaların sağlamlığı kontrol edilmeli, malzemelerin temizliği gözden geçirilmeli.

Sargı naylonu ile muhafaza altına alınarak teslim edilmeli.





Quality Certified

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**Hilal Alüminyum İth. İhr. San. ve Tic. Ltd. Şti.**

Dr. Cemil Bengü Cad. No:62/2, Kağıthane, İstanbul, Turkey

The above licensee has been assessed and registered by TQCS International Pty Ltd as having the capability to control the quality and safety of goods or services provided in accordance with the conditions of the Licence Agreement at or from the addresses shown above, under a quality management system complying with the requirements of:

**ISO 9001:2008**

The registration covers the export, import and wholesale of building supplies and construction machinery.

Exclusions: 7.3 Design and Development, 7.5.2 Validation of Processes for Production and Service Provision, 7.5.4 Customer Property

**Issue Date:** 21/4/2009

**Expiry Date:** 8/4/2012

**Licence No:** TR2005-QC

**Original Certification:** 21/4/2009

President  
TQCS International (Group) Pty Ltd.



General Manager  
TQCS International (TURKEY)  
For and on behalf of the  
TQCSI Certification Approval Panel

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**HİLAL Alüminyum İthalat İhracat Sanayi ve Ticaret Limited Şirketi**

**Merkez Ofis / Head Office:** Hürriyet Mah. Dr. Cemil Bengü Cad. No:62 Kağıthane / İstanbul / Türkiye  
Tel : +90 212 224 25 70 Faks : +90 212 225 18 91 hilal@hilal.com.tr

**Fabrika / Factory:** Uzmaksan Makina Alüminyum İth. İhr.San. ve Tic.Ltd. Şti.  
Dilovası Mevkii Tavaşanlı Köyü Gebze / Kocaeli / Türkiye  
Tel : +90 262 724 97 98 Faks : +90 262 724 97 92

**Depo / Warehouse:** Alcop Alüminyumcular Sitesi B7 Blok No:7 Hadımköy / İstanbul / Türkiye  
Tel : +90 212 224 25 68