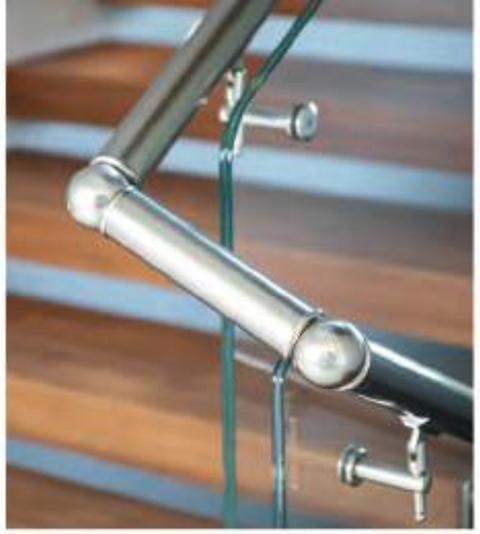
Vakos

Smart Railing System





PRODUCT CATALOGUE







Art of Trust...

CERTIFICATES









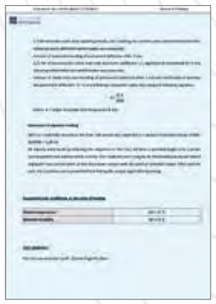


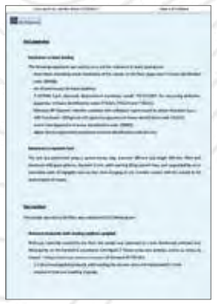














COMPANY



AKOS Dis Ticaret Ltd. Sti. is one of the biggest aluminium systems manufacturer that grows fast with AKOS brand name in the world market since 2006. AKOS Smart Aluminium Railing Systems has been recognized in five continents and dozens of countries and have been accredited by international certifications.

One of the main key factors that ensure company's growth with fast and solid steps is its quality and quality consistency. Company is aware of the importance of quality and set it as priority. It organizes all operation process and schedule based on healthy and trustworthy serial production. Each stage of the production is managed according to ISO 9001:2015 quality management system.

The AKOS brand, which is completely focused on the foreign markets, brings the future to the highest level with the innovation and qualified human resources. Experienced technicians and engineers organize all standard and custom production process by preparing detailed architectural solutions for every different market and culture.

AKOS Smart Aluminium Railing Systems are an indispensable part of artistic and modern designs with the priority of environmental awareness and life safety.

AKOS is developing its products to serve and support their customers' needs with the principles below:

- **Fast Delivery**
- **High Quality Products**
- **Flexible and Special Production**
- **Advanced Design**
- **Competitive Pricing**
- **Customer Satisfaction**

Today we are proud of serving better and being solution partners of our customers with our long-term based experience, new production areas, high technology machinery parks, effective staff and wide range of high quality products.





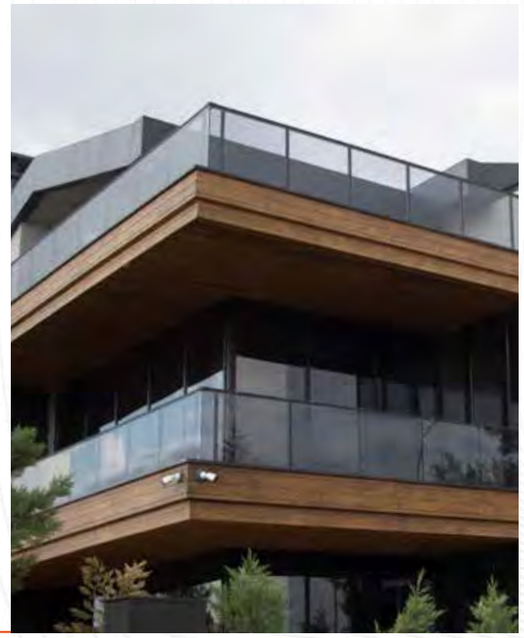




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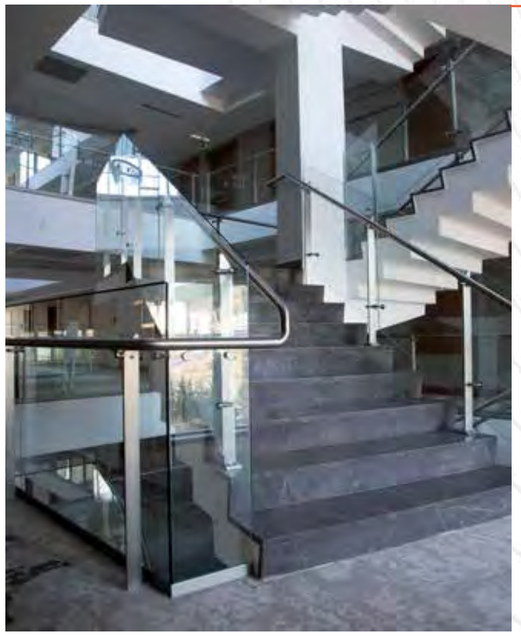
ALUSMART 500
SERIES

Page Number 06



ALUMAX 400
SERIES

Page Number 100



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ALUFENCE 600
SERIES

Page Number 142

AKOS
GLASS

Page Number 160

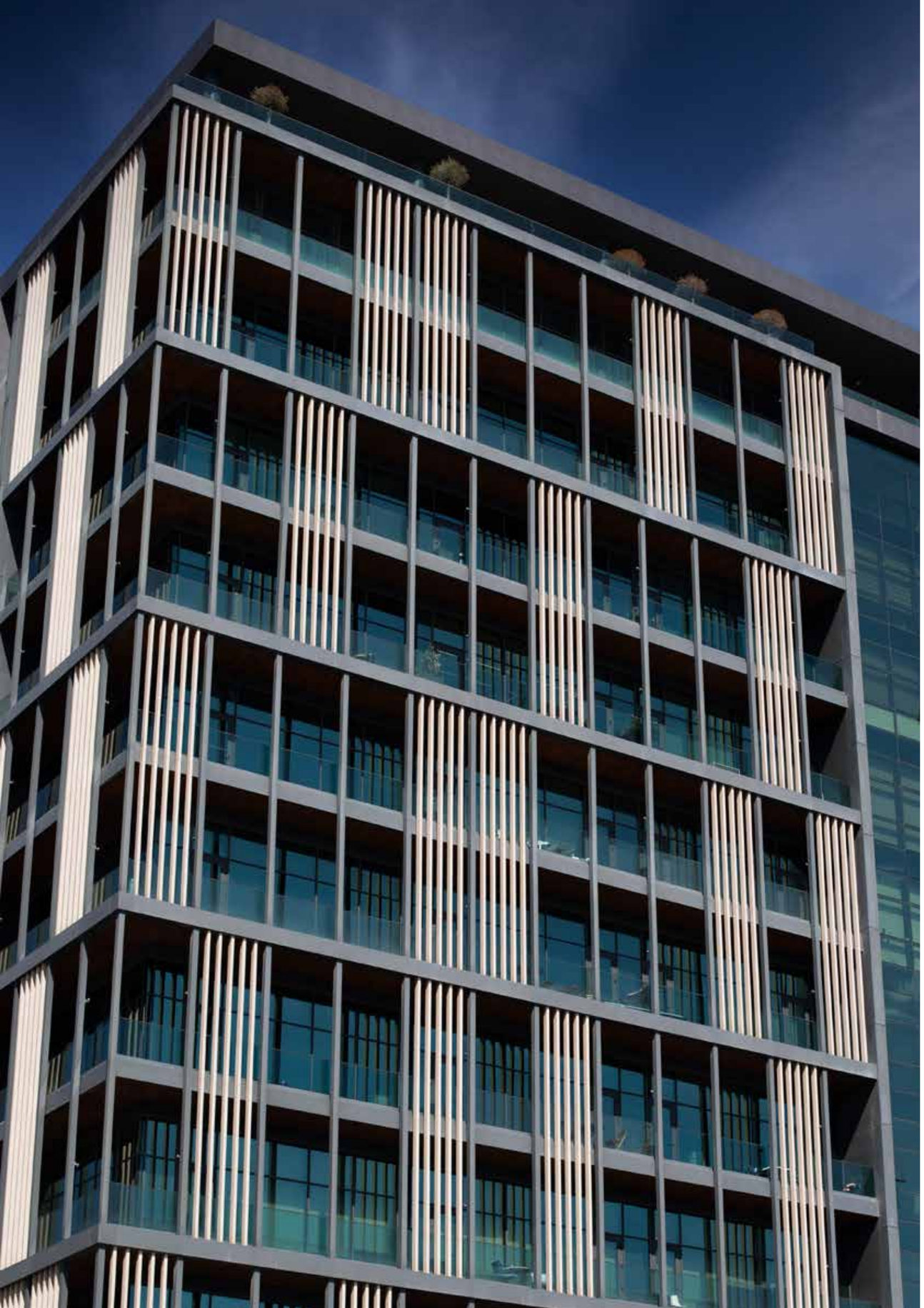


Rich range of productsMulti-product typology and synthesis
Very simple production possibility despite different solution alternatives
Quality material with modern design (anodized quality)
Affordable access to end users
Resistance to various climatic conditions and long life.
Contrary to expectations, low-cost aluminum
Alternative materials
High stock level and efficient sales service network at Akos scale

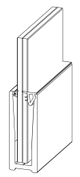
ALUSMART 500
SERIES

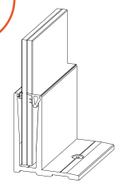
The Alusmart Series railing system is ideal for both indoor and outdoor applications. The most frequently used areas are hotels, public spaces, public buildings, offices, houses with modern design and villas.

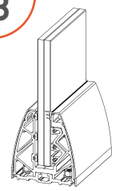
akos

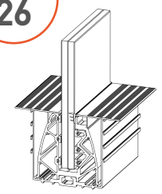


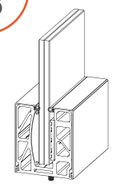
ALUSMART 500
SERIES

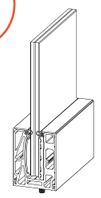
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EURO10 SERIES

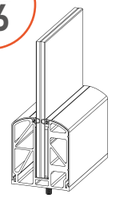
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EURO40 SERIES

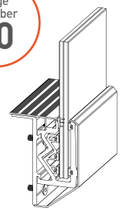
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A10 SERIES

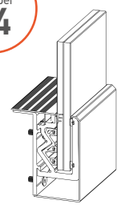
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A20 SERIES

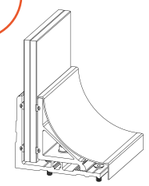
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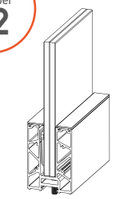
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A12 SERIES

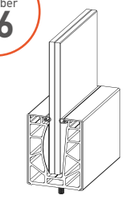
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A13 SERIES

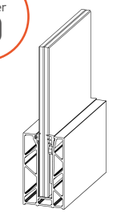
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A30 SERIES

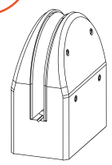
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A31 SERIES

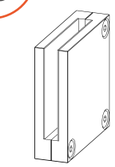
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A40 SERIES

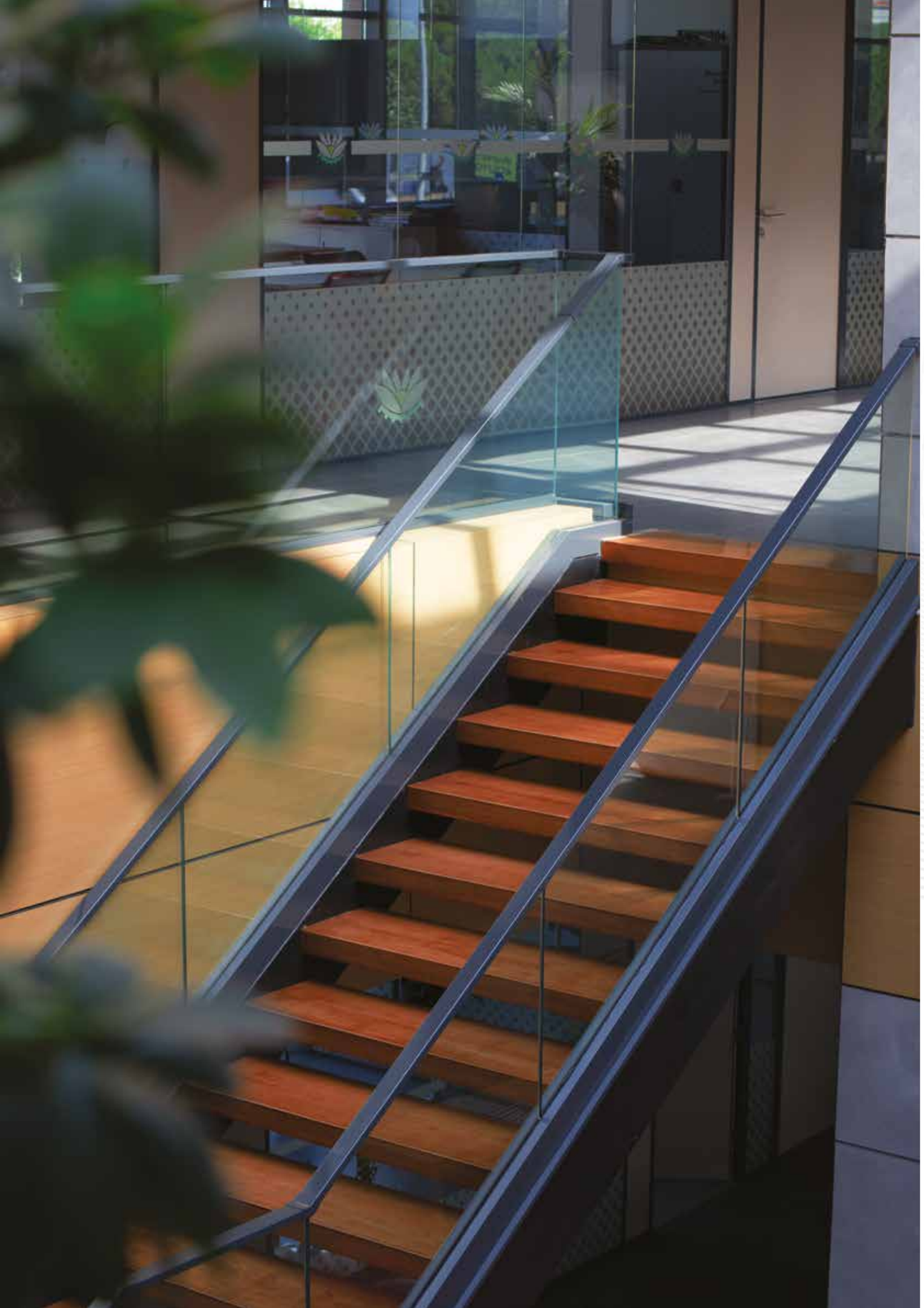
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A50 SERIES

Page Number 56

A51 SERIES

Page Number 60

A52 SERIES

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A60 SERIES

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A66 SERIES

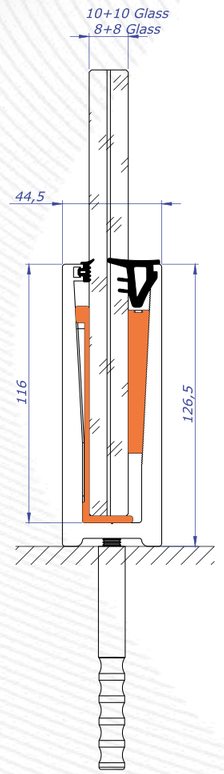


EURO10 SERIES



Alusmart Euro 10 System, one of our rich profile options, is suitable for different architectures, stands out with its reliable holding strength and minimalist design.

- Suitable also for large public spaces with demanding safety requirements.
- Complies with worldwide safety and building regulations.
- Aluminium cladding with a stainless steel effect.
- Uses the Safety Wedge system for easy glass installation.
- Complete your desired look by choosing from a range of handrails and cap rails in a variety of materials, shapes and sizes.



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EURO10 SERIES



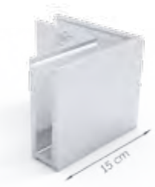




500-001
Rubber for 500-793



500-791
EPDM Rubber for 500-790



500-711
Euro 10 Inner Corner 90°



500-712
Euro 10 Outer Corner 90°

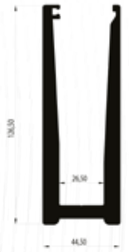


500-713
Euro 10 Inner Corner 45°



500-714
Euro 10 Outer Corner 45°

EURO10 SERIES



4046
Euro 10 Glass Base Profile - 6 Meters



500-715
Euro 10 Endcap



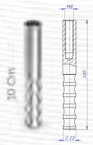
500-790
Plastic Compression Set for 8+8 Glass



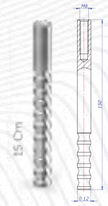
500-793
Plastic Compression Set for 10+10 Glass



500-792
EPDM Rubber



500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



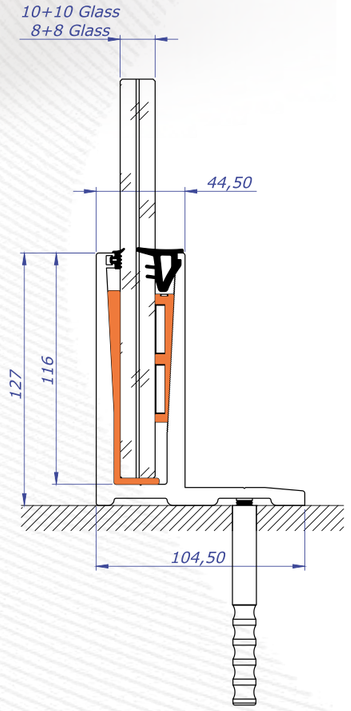
EURO40 SERIES



Alusmart Euro 40 System provides big living spaces and confidence of using 8+8 laminated glass. Designed for safety with its solid design.

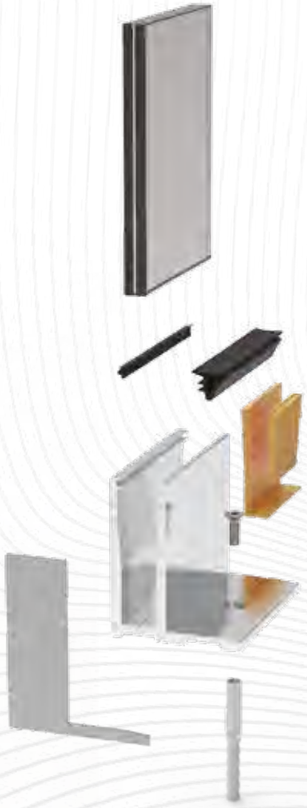
- Complies with worldwide safety and building regulations
- Aluminium cladding with a stainless steel effect
- Uses the Safety Wedge system for easy glass installation.
- Complete your desired look by choosing from a range of handrails and cap rails in a variety of materials, shapes and sizes.

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EURO40 SERIES







500-001
Rubber for 500-793



500-791
EPDM Rubber for 500-790



500-741
Euro 40 Inner Corner 90°



500-742
Euro 40 Outer Corner 90°



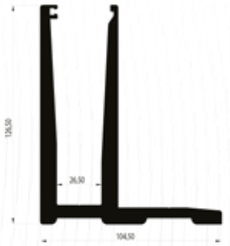
500-743
Euro 40 Inner Corner 45°



500-744
Euro 40 Outer Corner 45°

EURO40 SERIES

akos



4045
Euro 40 Glass Base Profile - 6 Meters



500-745
Euro 40 Endcap



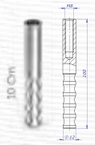
500-790
Plastic Compression Set for 8+8 Glass



500-793
Plastic Compression Set for 10+10 Glass



500-792
EPDM Rubber



500-015
8 Metric Anchor



500-016
8 Metric Anchor

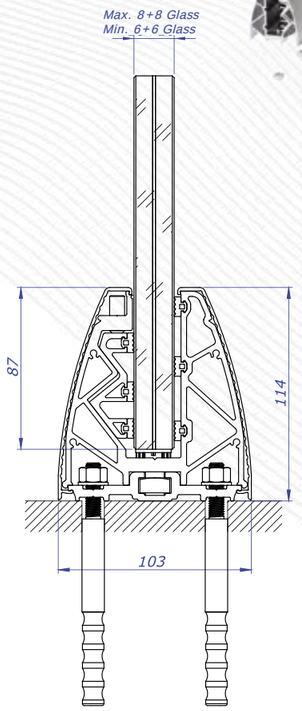


500-018
Inox Bolt M8x25



A10 SERIES





Alusmart A10 System provides you comfort in assembly and installation with its privileged designs and rational solutions.

- Architectural aesthetics by oval and angled cover.
- Strong connection thanks to the rail profile.
- Zero deformation thanks to the glass compression devise.
- Eliminates obliqueness by sequential arrangement.
- Aesthetic design with optional Led Lighting.
- Ready sets of 90° and 45° angled for corners.

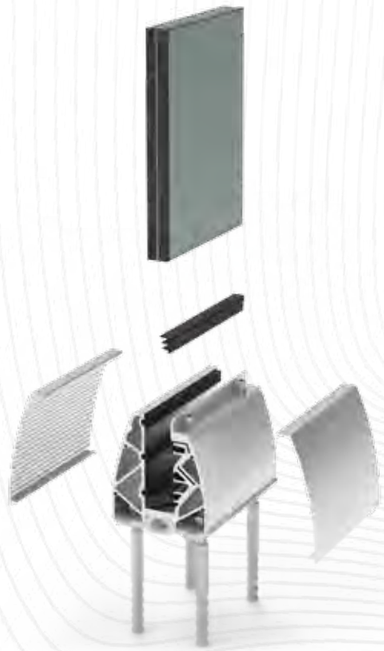


CERTIFICAZIONE PRODOTTO
ISTITUTO GIORDANO
CERTIFICATO N. 015/CP

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A10 SERIES







500-101
Glass Base Set 15 cm



500-102
Glass Base Set 30 cm



500-104
Glass Base Set 15 cm



500-105
Glass Base Set 30 cm



2987
Base Line Profile
(6 Meters)



500-103
Endcaps



2986
Cover Profile (6 Meters)



500-001
Rubber

A10 SERIES



500-203
Endcaps



2985
Cover Profile (6 Meters)



500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25

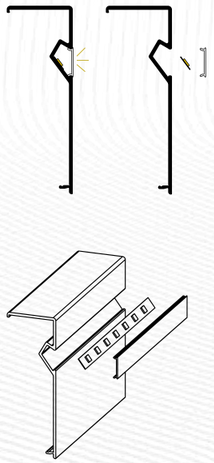


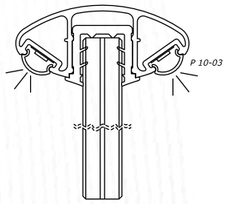




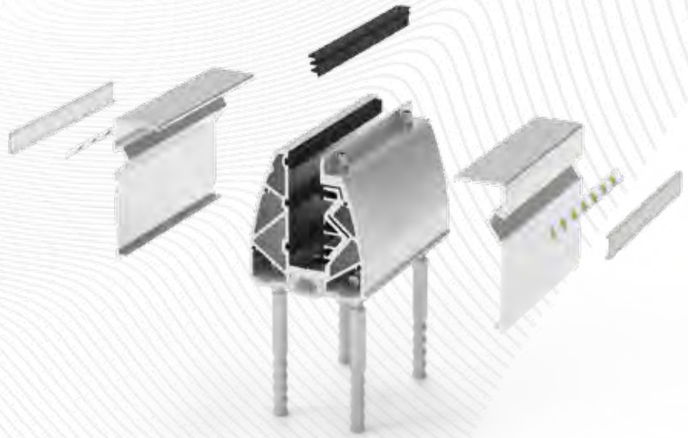
A10
SERIES

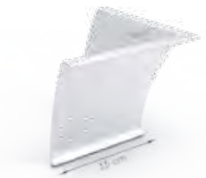
• Aesthetic design with optional Led Lighting.











500-106
90° Inner Corner For 2986



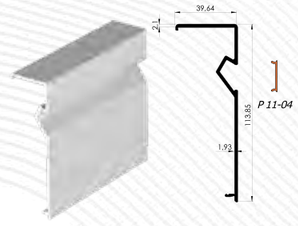
500-107
90° Outer Corner For 2986



500-108
45° Inner Corner For 2986



500-109
45° Outer Corner For 2986



6150
Cover Profile With Led Channel (6 Meters)



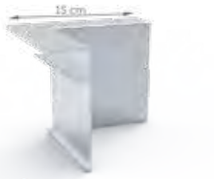
100-036
Led Strip Light (5 Meters)



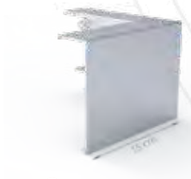
P 10-03
Plastic Led Cover (6 Meters)



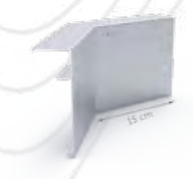
P 11-04
Plastic Led Cover (6 meters)



500-206
90° Inner Corner For 2985



500-207
90° Outer Corner For 2985



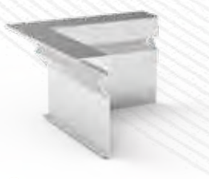
500-208
45° Inner Corner For 2985



500-209
45° Outer Corner For 2985



500-132
90° Outer Corner for 6150



500-133
90° Inner Corner for 6150



500-134
45° Outer Corner for 6150



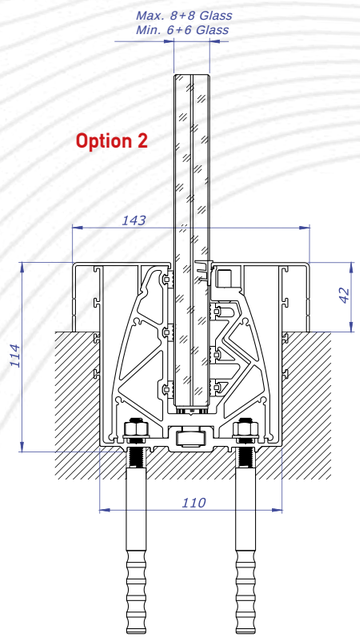
500-135
45° Inner Corner for 6150



A20 SERIES



Option 1



Option 2

- It is mounted as a recessed type in the ground.
- It's ideal for cafes and shopping malls.
- Thanks to U-shaped rail profile; a high degree of inertia and a strong connection can be made.
- Easy installation saves workmanship and time.
- Because of the glass compression device is made planar and aluminum profile, it does not deform in use for many years and provides high inertia to the system.
- Allows installation of glass up to 20 mm.
- With the design it has, it saves space.
- In the sequential arrangement of the products, it eliminates the problem of obliqueness.



CERTIFICAZIONE PRODOTTO
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CERTIFICATO N. 015/CP

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A20 SERIES



The Alusmart Series railing system is ideal for both indoor and outdoor applications.The most frequently used areas are hotels, public spaces, public buildings, offices, houses with modern design and villas.

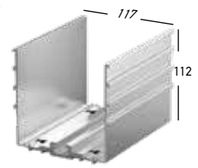




500-101
Glass Base Set-15 Cm



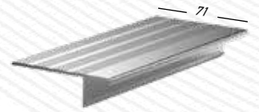
500-102
Glass Base Set-30 Cm



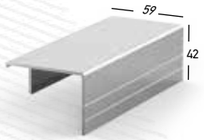
2980
U Profile For Base (6 meters)



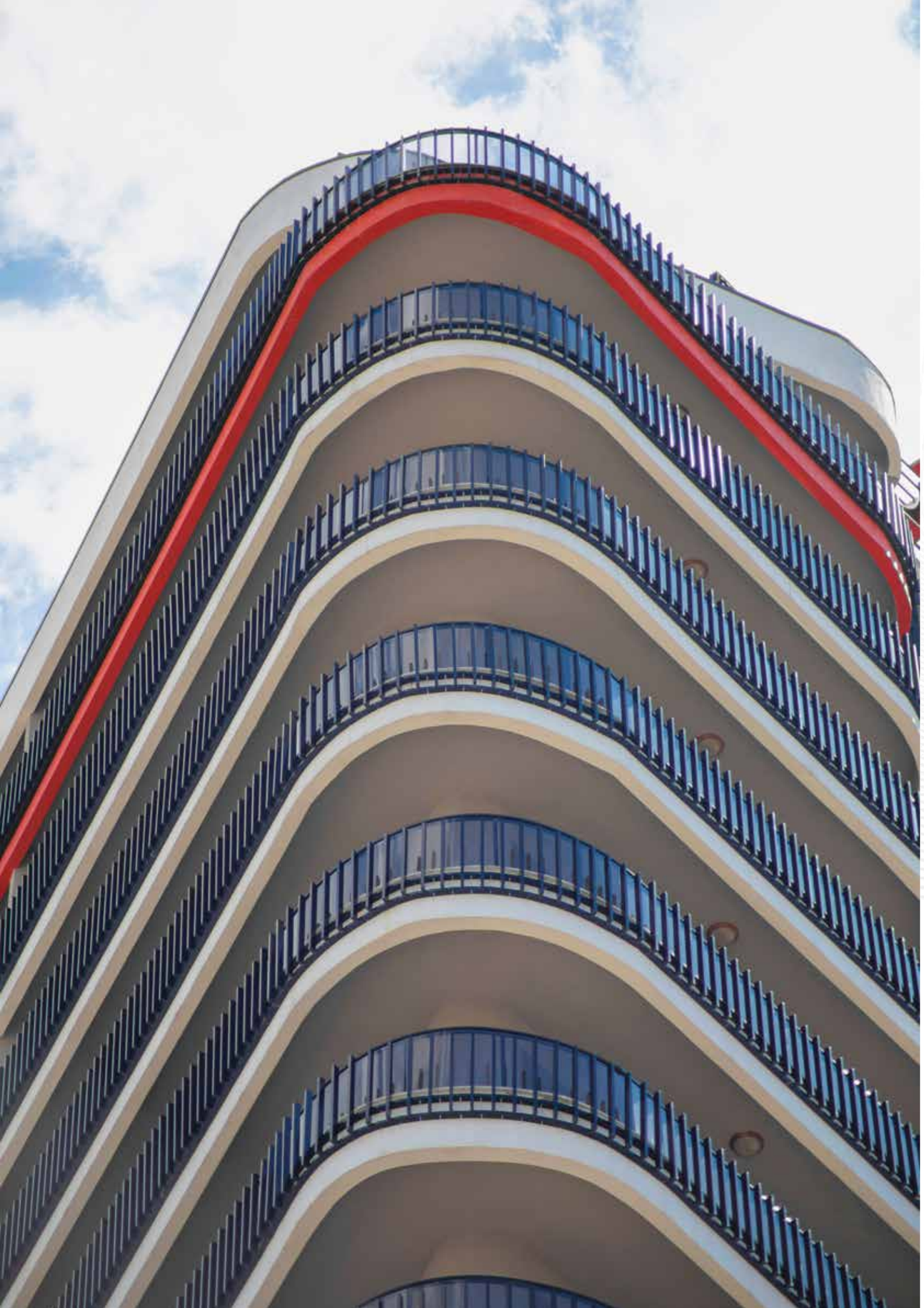
2984
Adjustment Profile (6 meters)



2983
Top Cover Profile (6 meters)



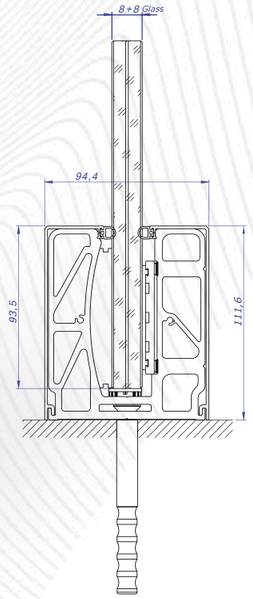
6068
Top Cover Profile (6 meters)



akos

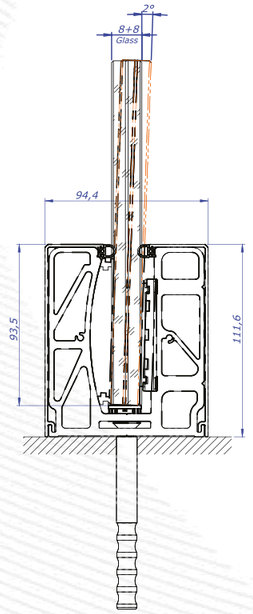
A11 SERIES





Alusmart A11 System allows to use the system in all unbalanced and problematic surfaces.

- Allows to align the glass approximately 3° on both sides with its unique plastic structure inside.
- Each glass base sets has glass alignment apparatus inside.
- 500-112 A11 type has 2 separate glass alignment apparatus to align 2 glasses where they meet.
- Suitable with 8+8mm laminated glass.
- High structural strength provides maximum security.
- Zero deformation thanks to the glass compression devise.
- Especially for residences, workplaces, hotels, public areas and stadiums.

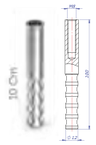


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A11 SERIES





500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



500-116
Rubber



500-111
Glass Base Set-15 Cm



500-112
Glass Base Set-30 Cm



500-113
Endcaps



6145
Cover Profile
(6 meters)

A11 SERIES





500-114
90° Inner Corner For 6145

500-115
90° Outer Corner For 6145

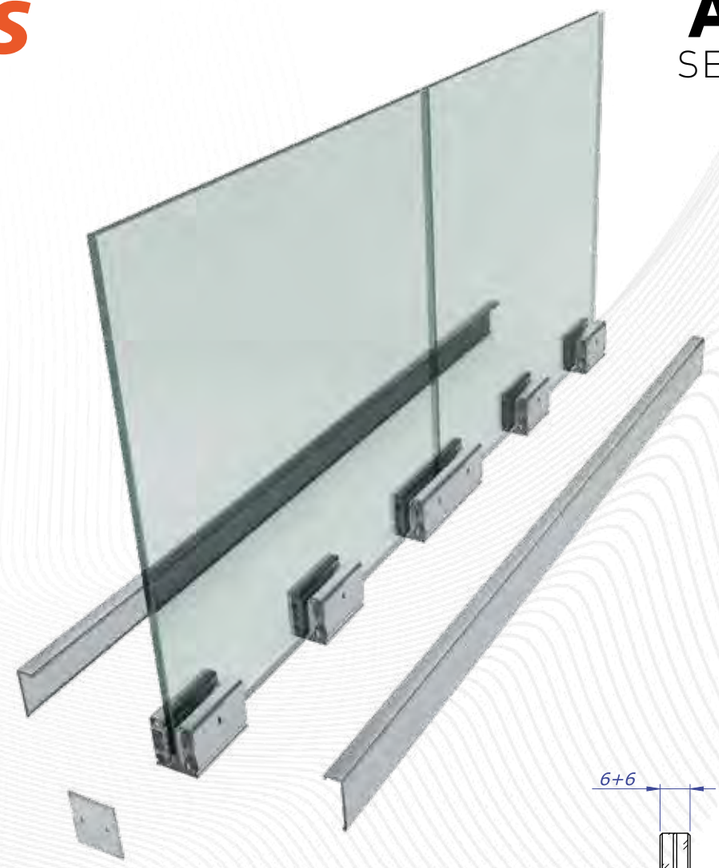
500-116
45° Inner Corner For 6145

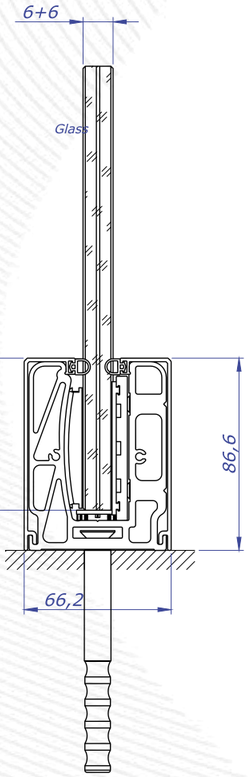
500-117
45° Outer Corner For 6145





A12 SERIES





Alusmart A12 System allows you to easily mount the system on all unstable and problematic surfaces.

- Allows to align the glass approximately 3° on both sides with its unique plastic structure inside.
- A12 is suitable with 6+6 mm laminated glass and suitable for private houses, workplaces, hotels, public areas, stadiums and so on.
- Each glass base sets has glass alignment apparatus inside.
- 500-112 A12 type has 2 separate glass alignment apparatus to align 2 glasses where they meet.
- Suitable with 6+6mm laminated glass.
- High structural strength provides maximum security.
- Zero deformation thanks to the glass compression devise.
- Especially for residences, workplaces, hotels, public areas and stadiums.

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A12
SERIES





500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



500-116
Rubber



500-121
Glass Base Set-15 Cm



500-122
Glass Base Set-30 Cm



500-123
Endcaps



6142
Cover Profile
(6 meters)

A12
SERIES



500-124
90° Inner Corner For 6142



500-125
90° Outer Corner For 6142



500-126
90° Inner Corner For 6142



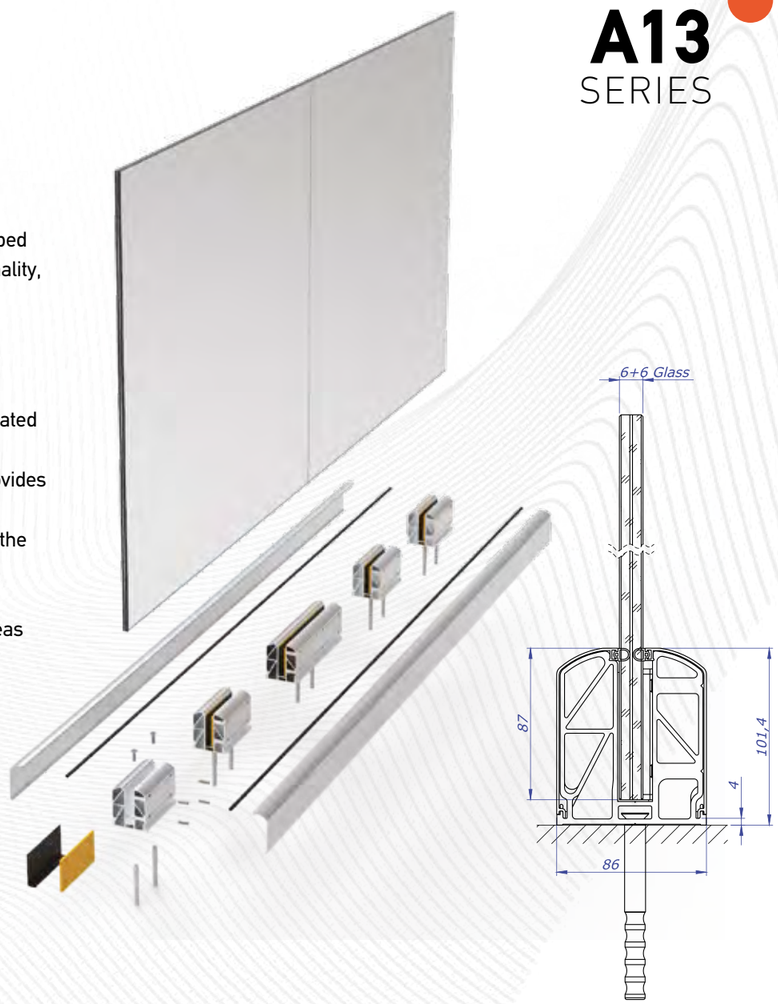
500-127
45° Outer Corner
For 6142

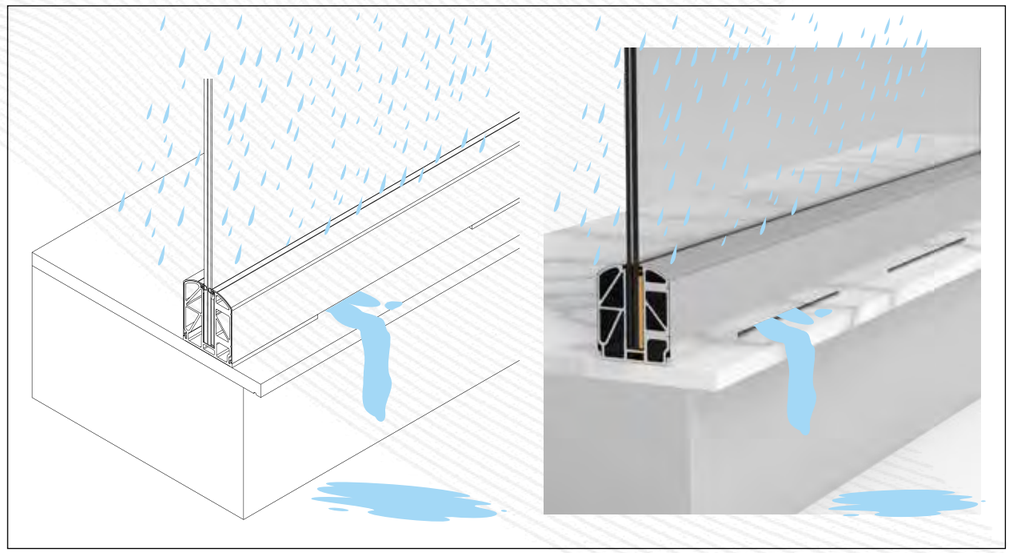


A13 SERIES

Alusmart A13 System developed for who is looking for functionality, stability and durability with aesthetic approach.

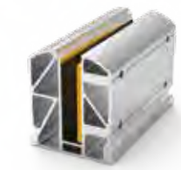
- No need a system for water drainage.
- Suitable with 6+6mm laminated glass.
- High structural strength provides maximum security.
- Zero deformation thanks to the glass compression devise.
- Especially for residences, workplaces, hotels, public areas and stadiums.



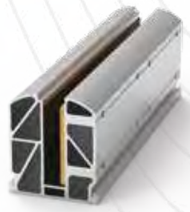


A13
SERIES

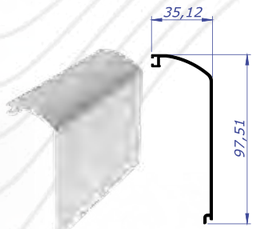




500-034
Glass Base Set-15 Cm



500-040
Glass Base Set-30 Cm



5080
Cover Profile (6 meters)



500-045
Endcaps

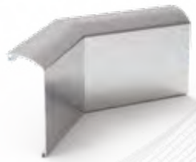
A13
SERIES



500-128
90° Outer Corner for 5080



500-129
90° Inner Corner for 5080



500-130
45° Inner Corner for 5080



500-131
45° Outer Corner for 5080



500-015
8 Metric Anchor



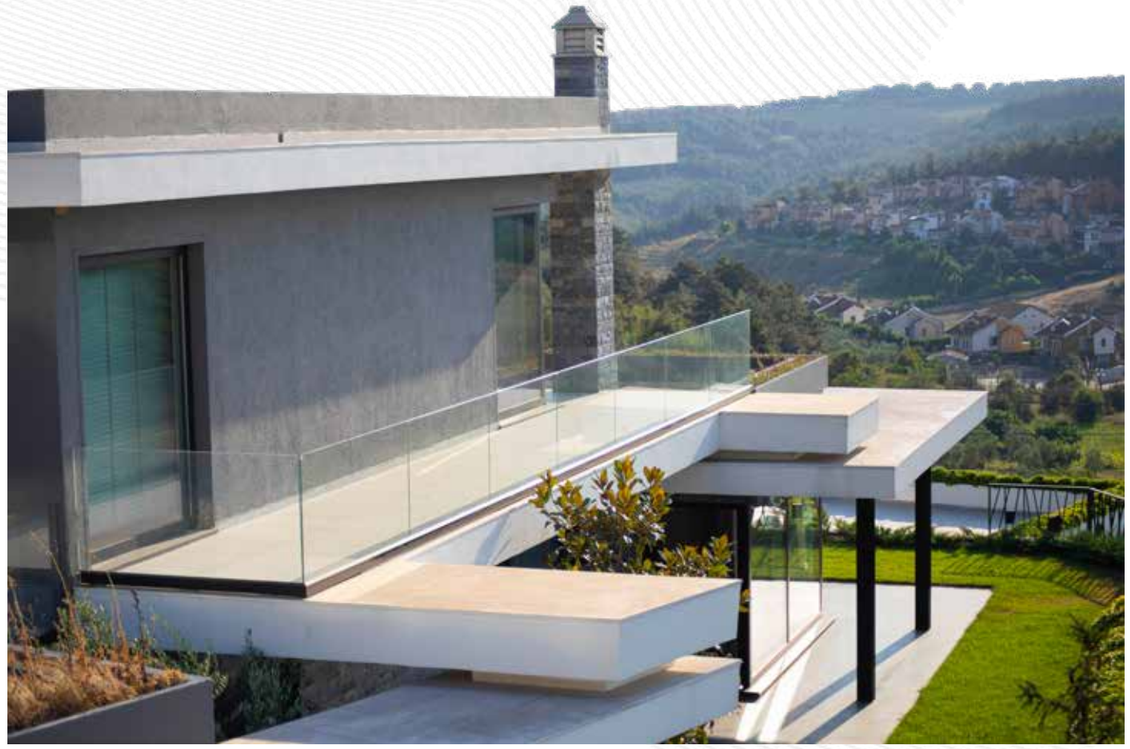
500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



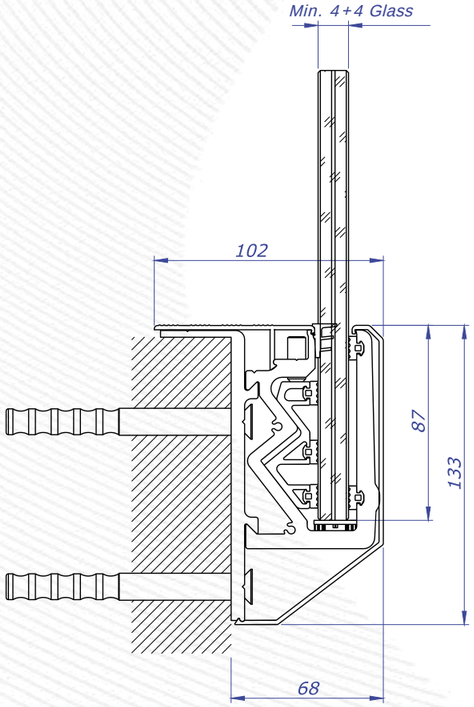
500-116
Rubber



A30 SERIES



Max. 6+6 Glass
Min. 4+4 Glass



Alusmart A30 System; the outer cover can be connected without profiling glass mounting, and no extra operation is required.

- High Structural strength
- Space-saving minimalist design
- High resistance to deformation provides high safety to the system
- Allows installation of glass up to 8 mm or 12 mm



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A30
SERIES







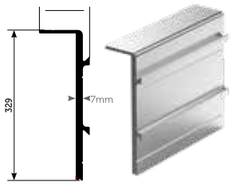
500-301
Glass Base Set 15 cm



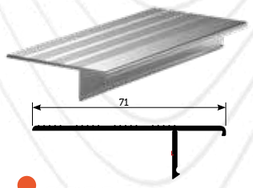
500-302
Glass Base Set 30 cm



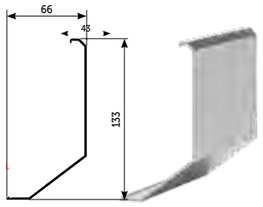
500-303
Endcaps



2977
Base Carrier Profile
(6 meters)



2983
Top Cover Profile
(6 meters)



2979
Front Cover Profile
(6 meters)

A30
SERIES



500-304
90° Outer Corner For 2979



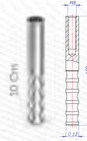
500-305
90° Inner Corner For 2979



500-306
45° Outer Corner For 2979



500-307
45° Inner Corner For 2979



500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



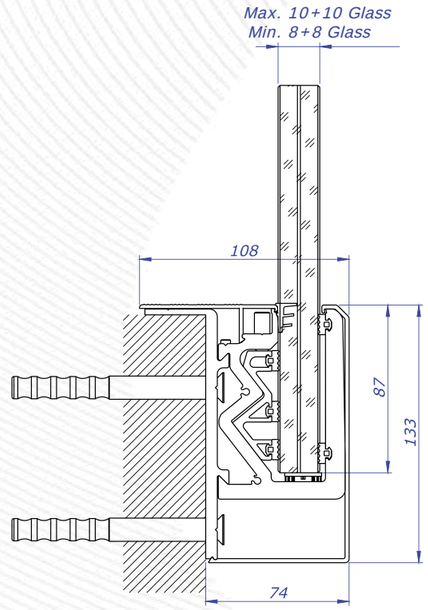
500-001
Rubber



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A31
SERIES





Alusmart A31 System is different than other systems with the outer cover can be installed from inside before mounting the glasses and no extra operation required.

- High resistance to deformation provides high safety to the system.
- Glass compression device is aluminium with planar surface.
- Allows installation of glass up 8+8mm tp 10+10mm laminated glass.
- Space-saving minimalist design.



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A31
SERIES





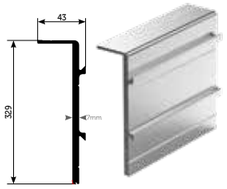
500-311
Glass Base Set-15 Cm



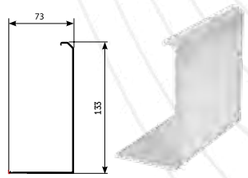
500-312
Glass Base Set-30 Cm



500-313
Endcaps



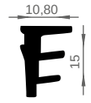
2977
Base Carrier Profile
(6 meters)



6147
Front Cover Profile
(6 meters)



2983
Top Cover Profile
(6 meters)



500-001
Rubber

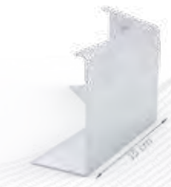
A31
SERIES



500-314
90° Outer Corner For 6147



500-315
90° Inner Corner For 6147



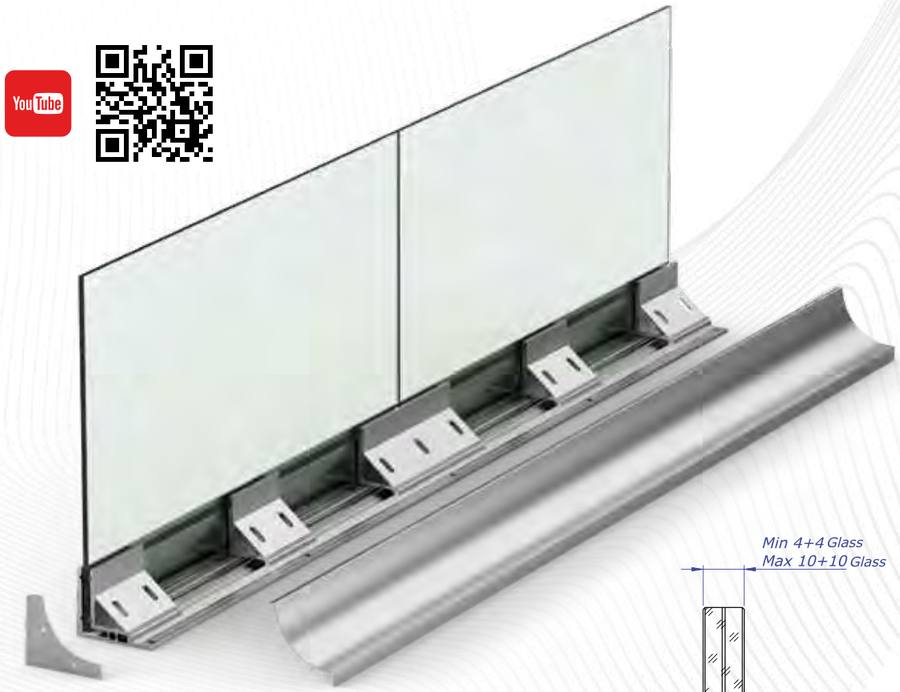
500-316
45° Outer Corner For 6147

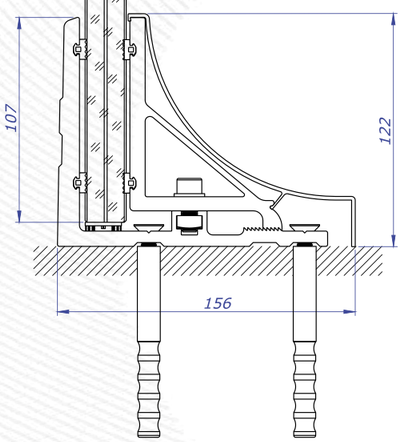


500-317
45° Inner Corner For 6147



A40 SERIES





Alusmart A40 System is highly recommended for stadiums, auditoriums, theatres, terraces, hotel roofs, schools and more… with its C3-C4 Classification.

- Allows installation of glass up to 20mm.
- Thanks to its curved inner cover profile, it prevents children from reaching the carrier.
- High structural strength, profile design provides maximum security.
- Easy installation saves workmanship and time.
- Because of the glass compression device is made planar and aluminium profile, it does not deform in use for many years and provides high inertia to the system.
- Space-saving minimalist design

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A40 Qualified to get C3-C4 Classification!

Areas where people may congregate and are susceptible to overcrowding.
According to international norms A40 Serie can be used on: theatres, stadiums, cinemas, discotheques, auditoriums, assemble areas and bars and the like.

A40
SERIES







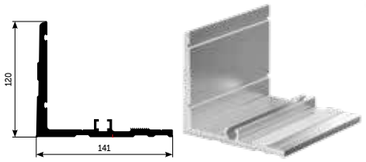
500-401
Glass Base Set-15 Cm



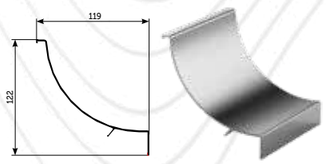
500-402
Glass Base Set-30 Cm



500-403
Endcaps



2990
Side Base Profile (6 meters)



2988
Cover Profile (6 meters)



500-002
Rubber

A40
SERIES



500-404
90° Outer Corner For 2988



500-405
90° Inner Corner For 2988



500-406
45° Outer Corner For 2988



500-407
45° Inner Corner For 2988



500-408
90° Outer Corner For 2990



500-409
90° Inner Corner For 2990



500-410
45° Outer Corner For 2990



500-411
45° Inner Corner For 2990





Alusmart A50 System developed by our engineers to offer you different installation options such as :

- Partial and f ull set use according to the project.
- Favorite for projects which need options and high quality.
- High quality with High resistance.
- Offers to install 6+6mm and 8+8mm laminated glass with compression apparatus.

Option 1

In this application, we have to combine: 6105 as 6-meter whole profile then we need 6148 as 6-meter whole profile. 6148 will be polished and anodized. (2 pieces 6148 for 1 piece 6105) Inside of the system, there will be 500-012 according to your glass dimensions due to tighten and secure the glass.

Option 2

In this application,
we have to combine: 6105 as 6-meter whole profile and 6107 as 6-meter whole profile. Both 6105 and 6107 will be polished and anodized. (2 pieces 6107 for 1 piece 6105) For Inside of the system, there will be 500-012 according to your glass dimensions due to tighten and secure the glass. If your Project is not Wall to Wall, also 500-503 will include as an endcap.

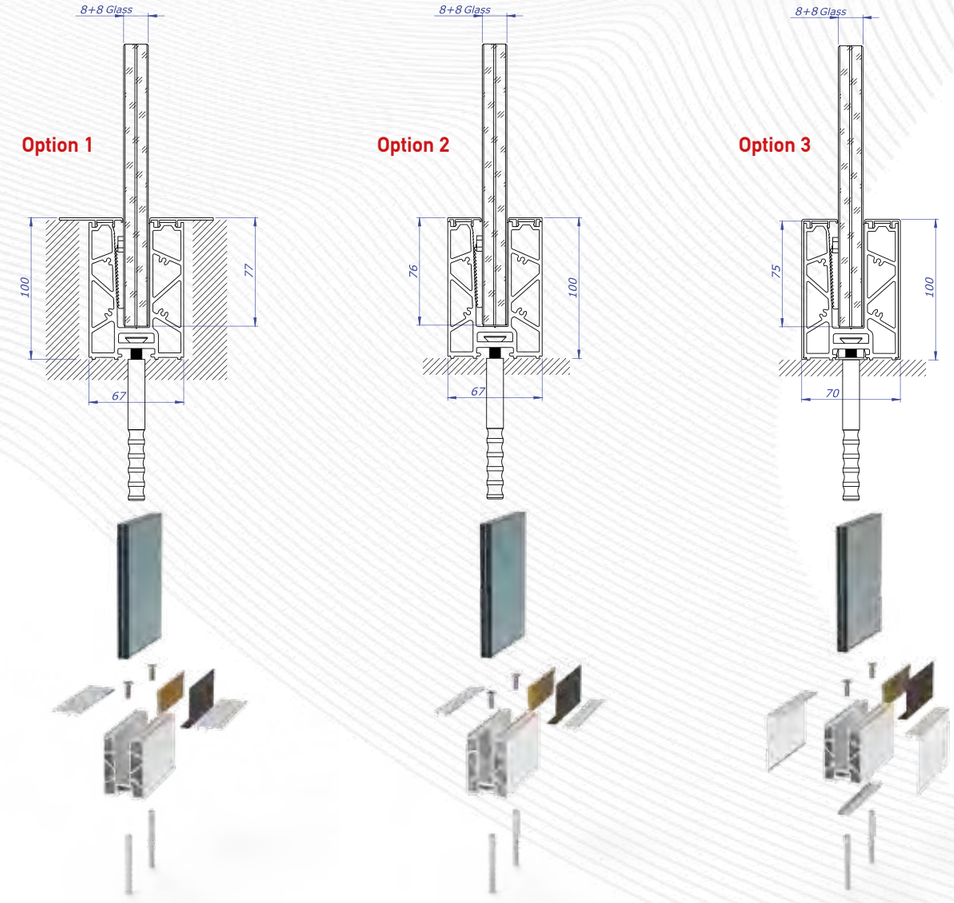
Option 3

In this application,
we have to combine: 2911 as 6-meter whole profile due to aligning the system. 500-101 and 500-102 according to your glass and Project dimensions. (500-101 and 500-102 has plastic compression sets inside) On the last step, 6106 as 6-meter whole profile due to cover profile. This product will be polished and anodized. Also, If your Project is not Wall to Wall, you will need 500-503 as an endcap.

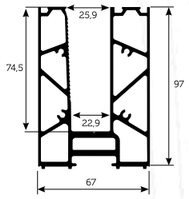
akos

A50
SERIES





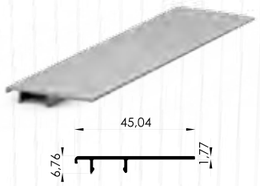
A50 SERIES



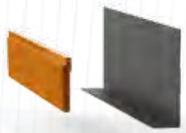
6105
Glass Base Profile
(6 meters)



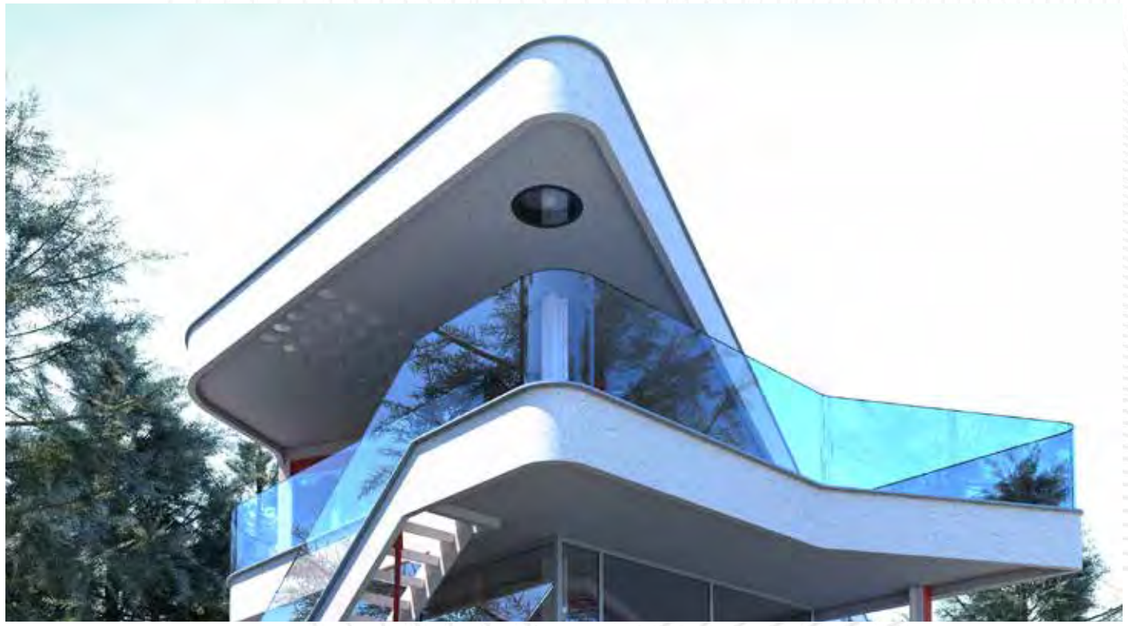
6107
Top Cover Profile
(6 meters)



6148
Top Cover Profile
(6 meters)



500-012
Plastic Compression
Set

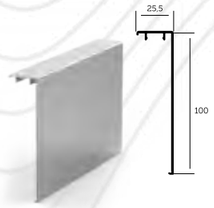




500-501
Glass Base Set-15 Cm



500-502
Glass Base Set-30 Cm



6106
Cover Profile
(6 meters)

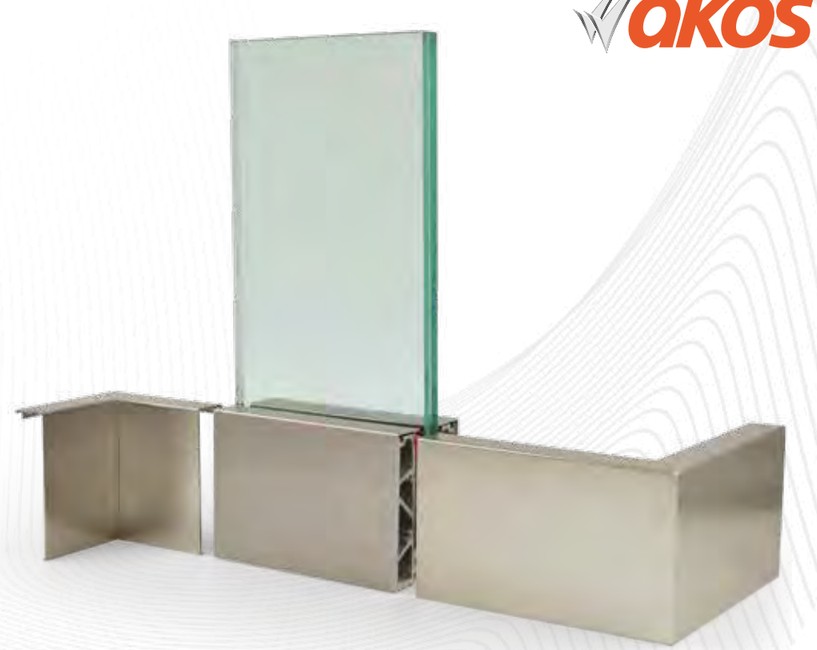


2911
Align Profile
(6 meters)

A50 SERIES



500-503
Endcaps





500-504
90° Outer Corner For
6106



500-505
90° Inner Corner For
6106



500-506
45° Outer Corner For
6106



500-507
45° Inner Corner
For 6106



500-508
90° Inner Corner For
6105



500-509
90° Outer Corner For
6105



500-510
45° Inner Corner For
6105



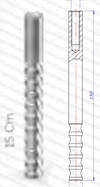
500-511
45° Outer Corner
For 6105



500-028
Plastic Compression
Apparatus For 6+6 mm Glass



500-001
Rubber



500-016
8 Metric Anchor



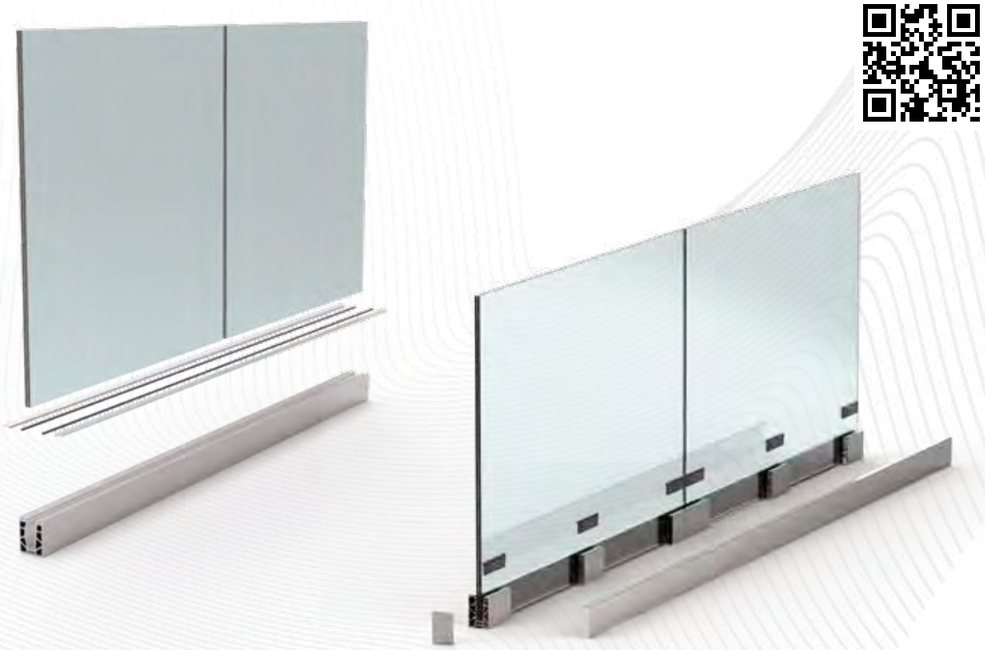
500-018
Inox Bolt M8x25



akos

A51
SERIES

akossystem.com

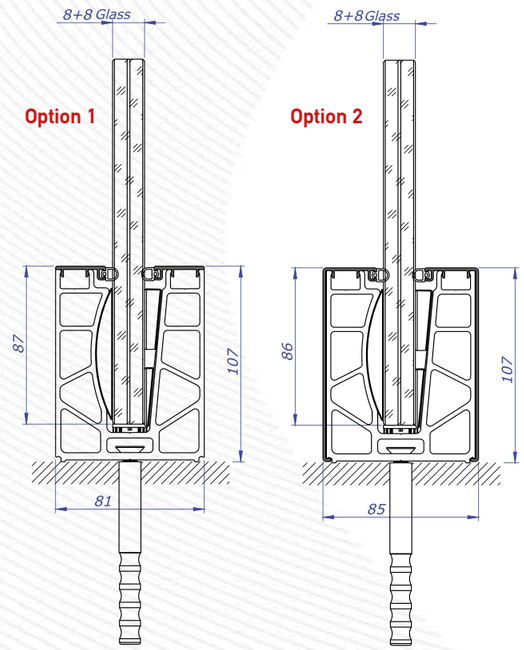


Everyone who uses Akos products are more or less familiar with the operation logic of our Alusmart A11 system. The A51, which we developed this year, combined the operation logic of A11 with the usage of 6 meters of profile. It is possible to balance the glass to be used in the project with A51 on problematic surfaces that need to be adjusted to the glass.

With its unique plastic structure inside, allows us to align the glass approximately 3° on both sides. Also 6 meter whole profile usage makes the montage process even easier. As a standard, the A52 system has been developed for 8 + 8 laminated glass, which is commonly used in European Countries. It offers maximum robustness and maximum safety in such uses.

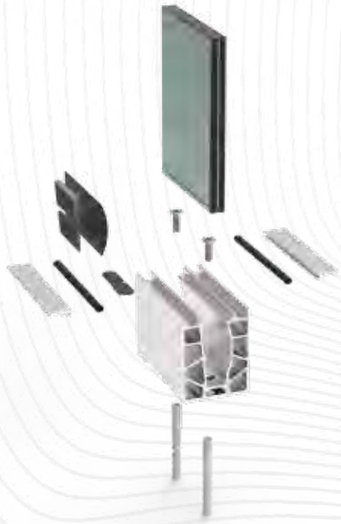
Also with the unique plastic thickening apparatus, A51 system is suitable with 6+6 laminated glasses as well. It is also possible to use this system in pieces with the cover profile to be used outside. In this way, there will be a decrease in costs. Even so, the system offers greater strength than its competitor's thanks to its thick profile structure.

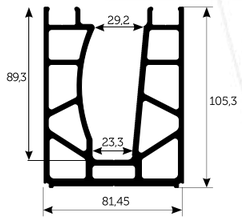
The A52 system will be the best solution for anyone who is solution-oriented and cares about time.
While the A52 system provides maximum durability with minimum labor, it is also a system that can
be used in any project thanks to the glass adjustment.



A51
SERIES







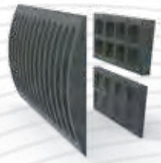
6110
Glass Base Profile (6 meters)



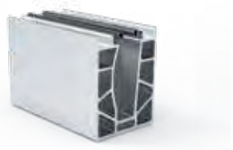
6111
Cover Profile (6 meters)



6112
Top Cover Profile (6 meters)



500-553
Plastic Compression Set



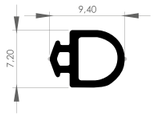
500-551
Glass Base Set-15 Cm



500-552
Glass Base Set-30 Cm



500-554
Endcaps



500-116
Rubber

A51
SERIES



500-555
90° Outer Corner For 6111



500-556
90° Inner Corner For 6111



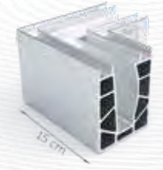
500-557
45° Outer Corner For 6111



500-558
45° Inner Corner For 6111



500-559
90° Inner Corner For 6110



500-560
90° Outer Corner For 6110



500-561
45° Inner Corner For 6110



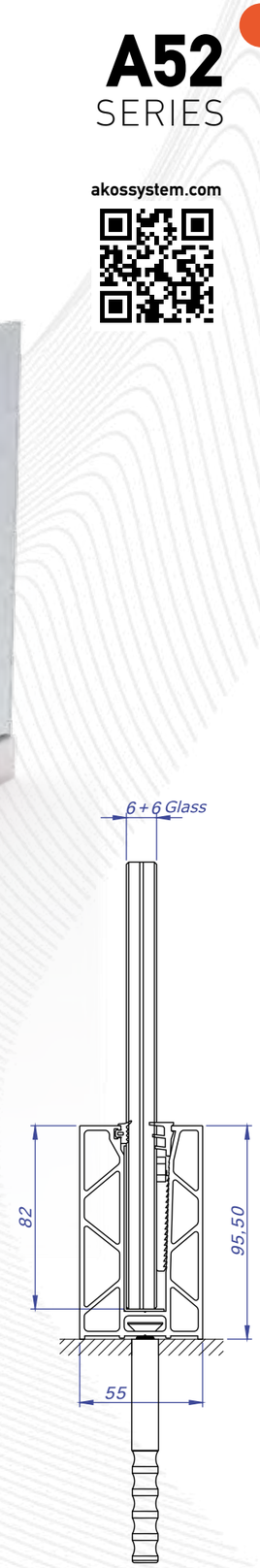
500-562
45° Outer Corner For 6110



A52
SERIES

akossystem.com





Brand new A52 provides to use 6 meter whole profile system with 6+6 laminated glasses. Also with the unique plastic thickening apparatus, A52 suitable with 5+5 laminated glasses as well. In this way, project owners will save on both glass costs and glass supporter costs.

Thanks to its small but maximum durability profile structure, A52 is the most robust glass supporter system with minimum costs. Another advantage of our A52 system is that it takes up less space from the space on the balconies thanks to its tiny structure. In this way, it also offers the best solution for small balconies.

As a result, A52 will offer the most suitable solution for all project owners who want to achieve maximum benefits with minimum costs.

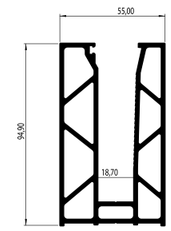
A52
SERIES



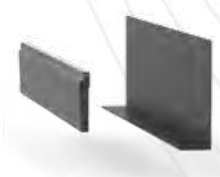


Alusmart A52 System is the best solution for everyone who is solution oriented and want to achieve maximum benefits with minimum cost.

- Allows the use of the entire 6-meter profile system with 6+6mm laminated glasses
- Provides maximum durability with minimum cost
- System is suitable to any project with its glass adjustment



4044
A52 Glass Base Profile - 6 Meters



500-012
Plastic Compression Set



500-028
Plastic Compression Apparatus For 5+5 mm Glass



500-525
Endcaps

A52
SERIES



500-521
90° Inner Corner For 4044



500-522
90° Outer Corner For 4044



500-523
45° Inner Corner For 4044



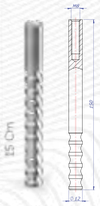
500-524
45° Outer Corner For 4044



500-792
Rubber



500-001
Rubber



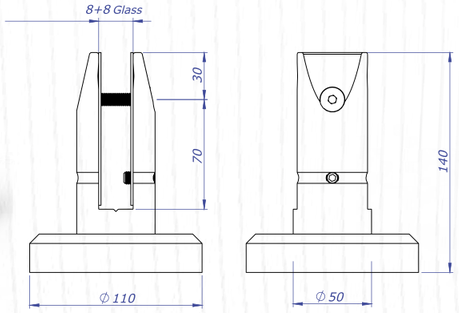
500-016
8 Metric Anchor



500-018
Inox Bolt M8x25



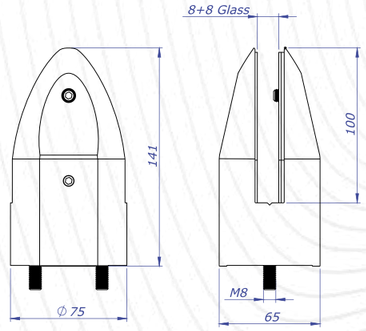


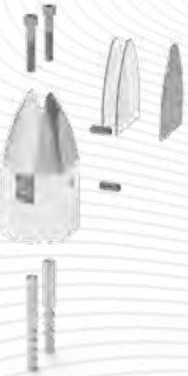




500-601
Round Glass Holder



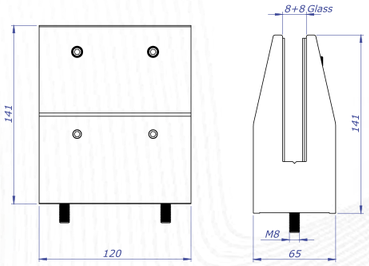




500-603
Elliptical Glass Holder



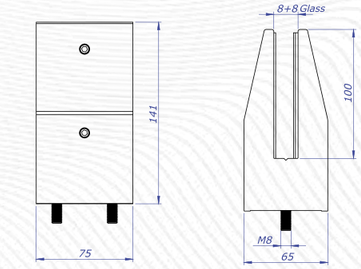






500-604
Block Type Glass
Holder (12cm)

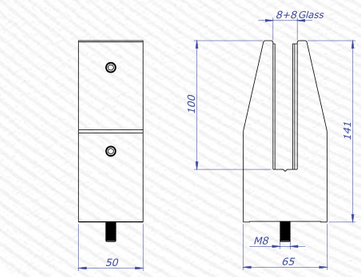


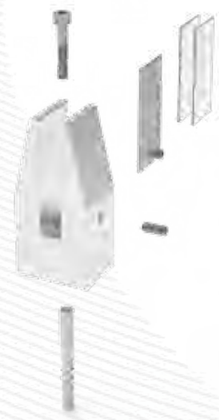




500-606
Block Type Glass
Holder (7,5 cm)



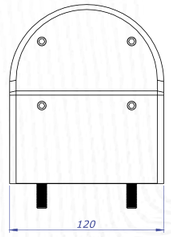


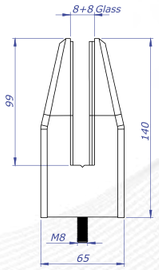


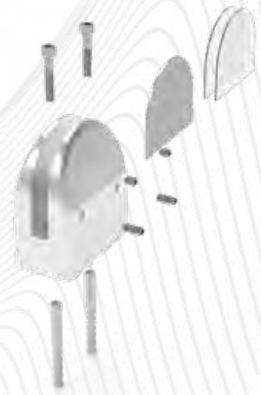
500-607
Block Type Glass
Holder (5 cm)

A60
SERIES



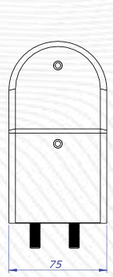


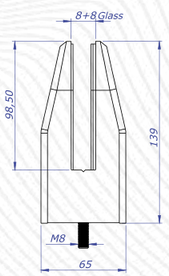




500-614
Oval Top Glass Holder - 12 cm



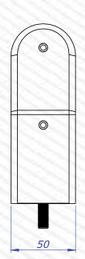


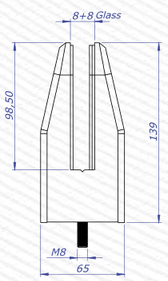




500-615
Oval Top Glass Holder - 7,5 cm





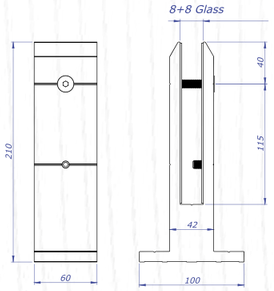




500-616
Oval Top Glass
Holder - 5 cm

A60 SERIES

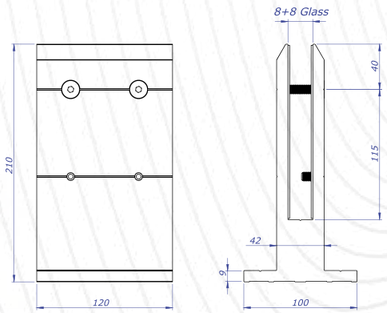


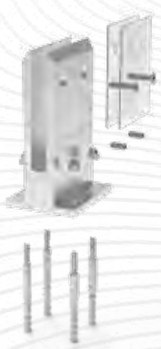




500-602
Square Glass Holder







500-618
Square Glass Holder 12 cm

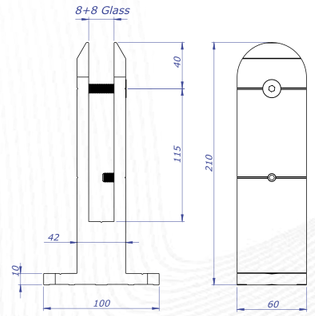


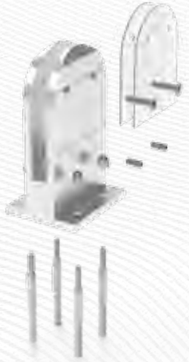
500-608
Square Glass Holder Cover (For 500-602)

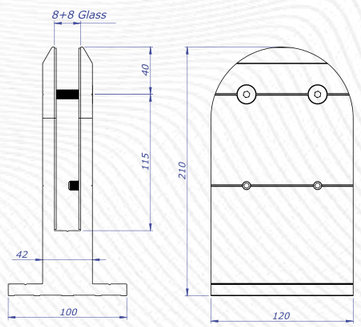


A60 SERIES













500-609
Glass Holder with Radius



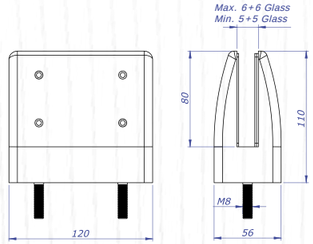
500-617
Glass Holder with Radius 12 cm



500-619
Round Glass Holder (For 500-609)

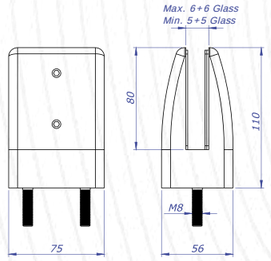
A60
SERIES





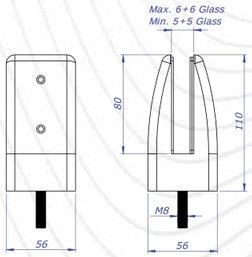
500-630
Block Type Glass Holder-12 cm





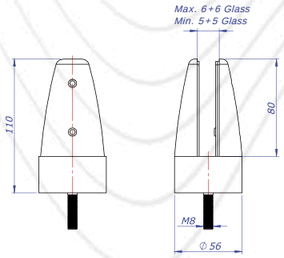
500-631
Block Type Glass Holder - 7,5 cm



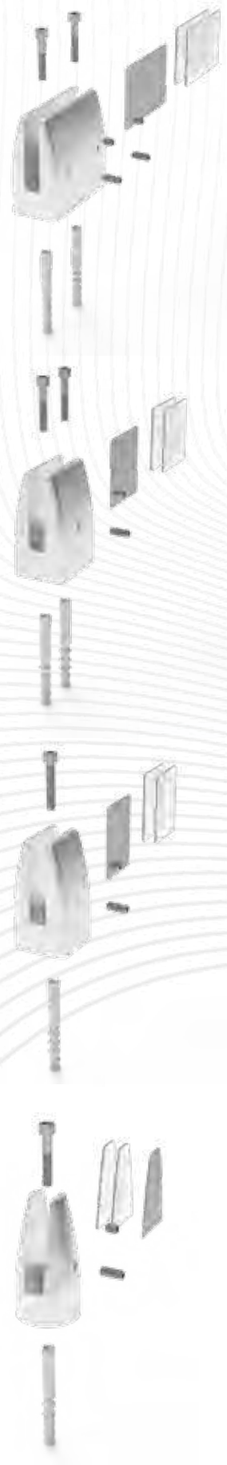


500-632
Block Type Glass Holder - 5,6 cm



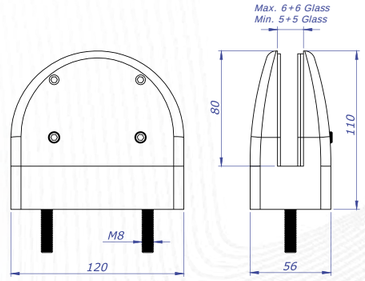


500-605
Small Glass Holder



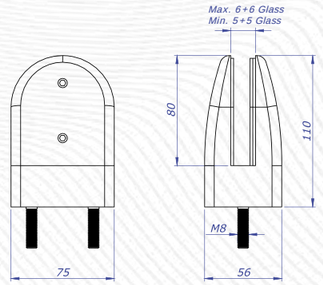
A60
SERIES





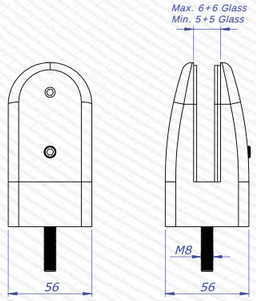
500-633
Block Type Glass Holder - 12 cm





500-634
Block Type Glass Holder - 7,5 cm



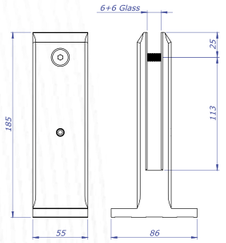


500-635
Block Type Glass Holder - 5,6 cm



A60
SERIES

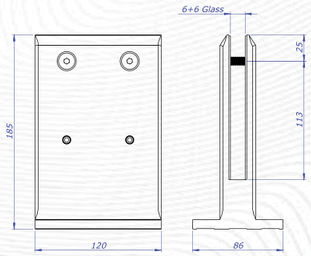






500-636
Minor Square Glass Holder - 5,50 cm

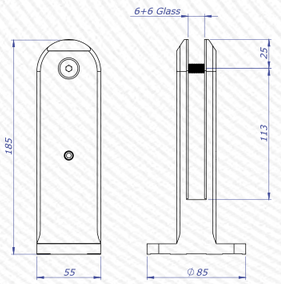






500-637
Minor Square Glass Holder - 12 cm

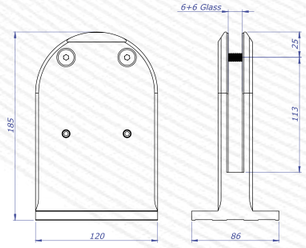






500-638
Minor Glass Holder with Radius - 5,50 cm







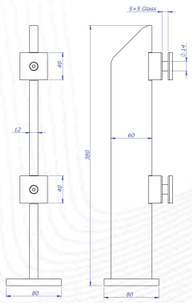
500-639
Minor Glass Holder with Radius - 12 cm



A60
SERIES



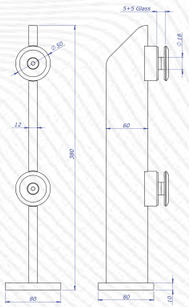
500-610
Double Glass Connector
With Lama Pilar - Square



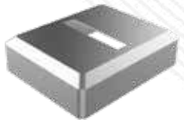




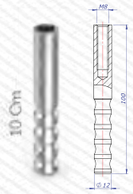
500-611
Double Glass Connector
With Lama Pillar - Round







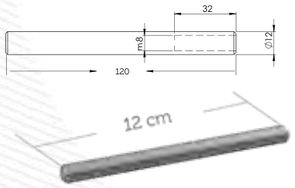
450-302
Cover For Single Lama



500-015
8 Metric Anchor



500-018
Inox Bolt M8x25



500-027
12 cm 8 Metric Bolt



500-650
Extended Square Glass Holder - 6 cm

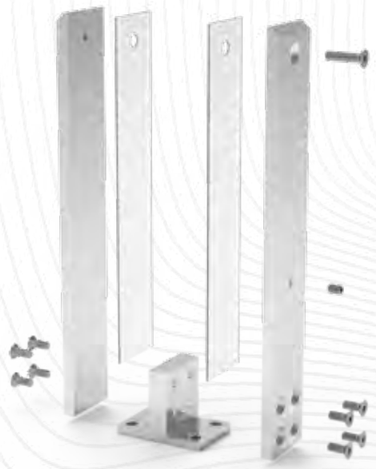
2021-2022 NEW PRODUCT NEW PRODUCT

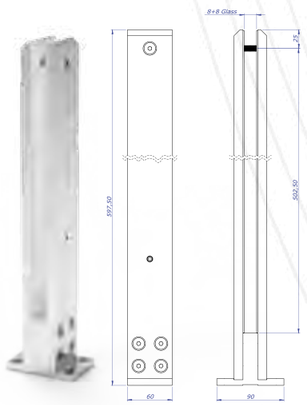


500-660
Platinum Serie Glass Holder

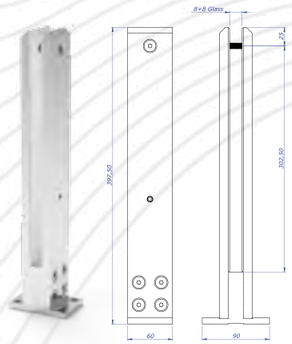




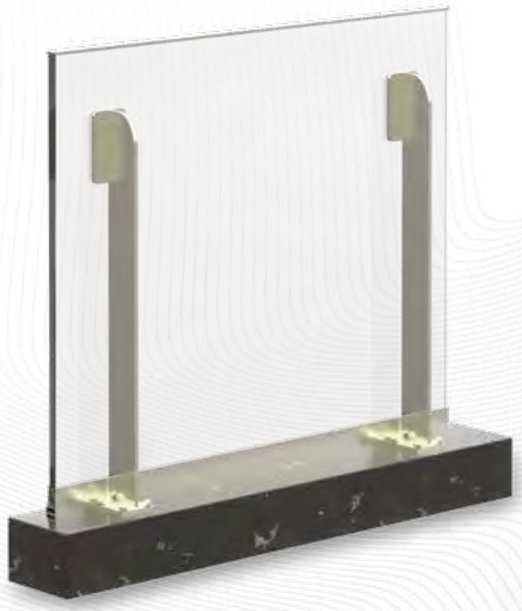




500-650
Extended Square Glass Holder - 6 cm
(Height 60 cm)

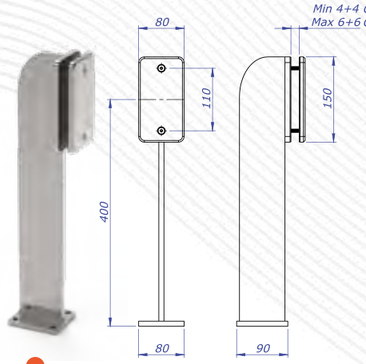


500-651
Extended Square Glass Holder - 6 cm
(Height 40 cm)

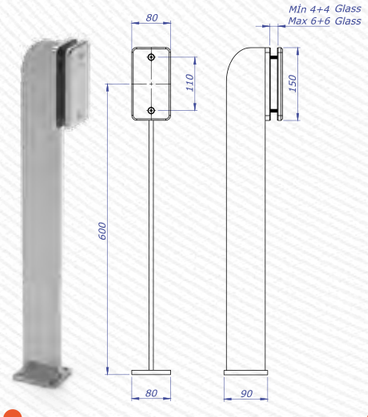




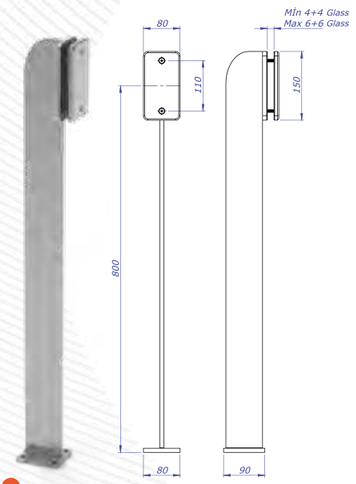




500-660
Platinum Serie Glass Holder
(Height 40 cm)



500-661
Platinum Serie Glass Holder
(Height 60 cm)

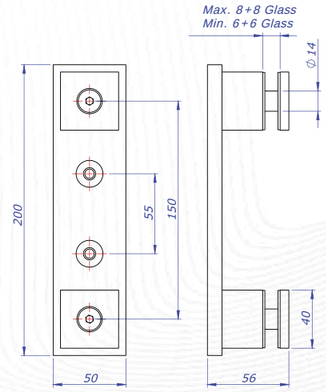


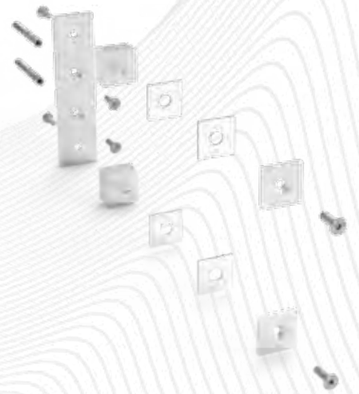
500-662
Platinum Serie Glass Holder
(Height 80 cm)



A60
SERIES

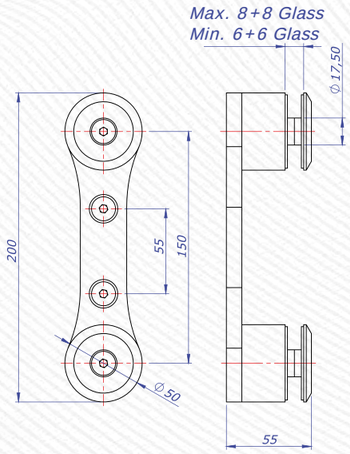






500-612
Double Glass Connection
Socket - Square





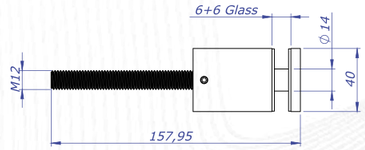


500-613
Double Glass Connection
Socket - Round



A60
SERIES

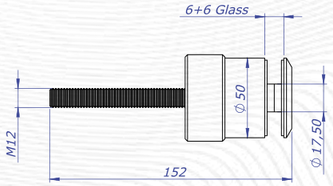






500-620
40 X 40 Glass To Wall Connector

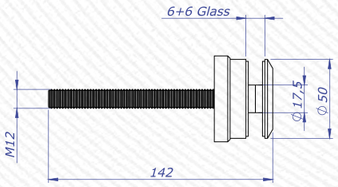






100-912
Glass Side Connector (Ø50)

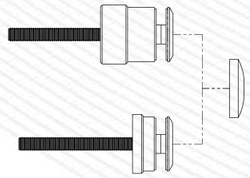






100-921
Small Glass To Wall Connector (Q50)

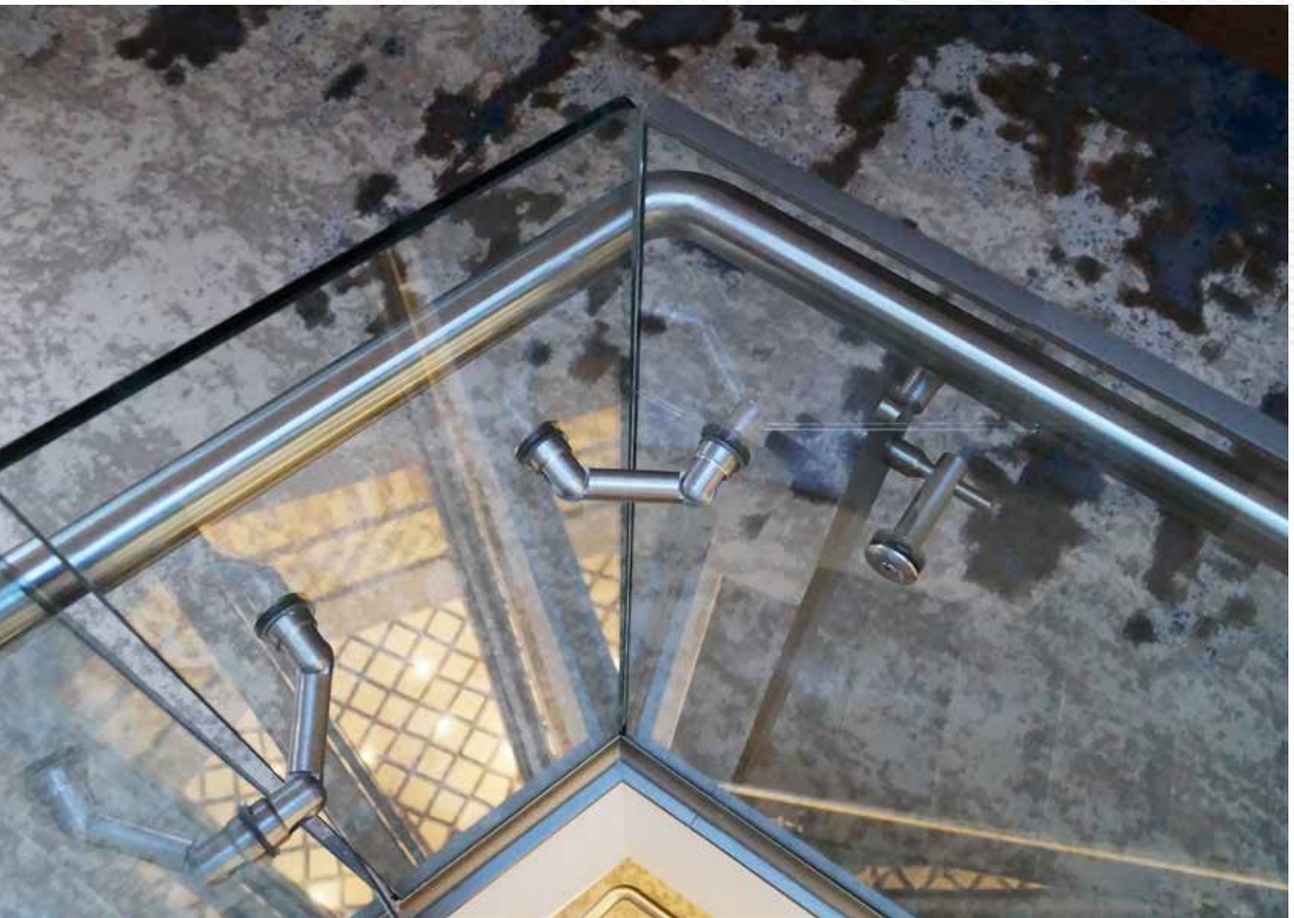






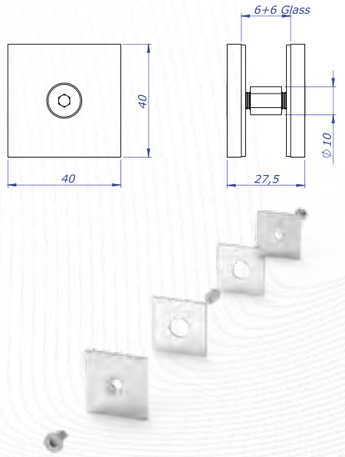
100-922
Glass To Wall Connector Cover (Ø50)





A60
SERIES

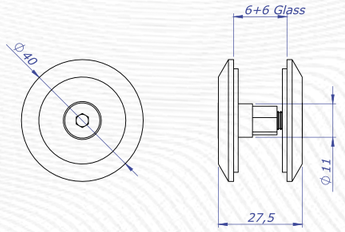






500-621
Glass Aligner (Square)

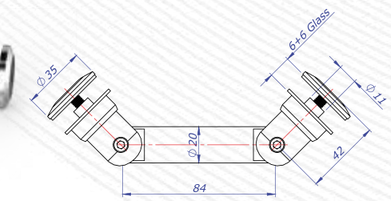






500-622
Glass Aligner (Round)



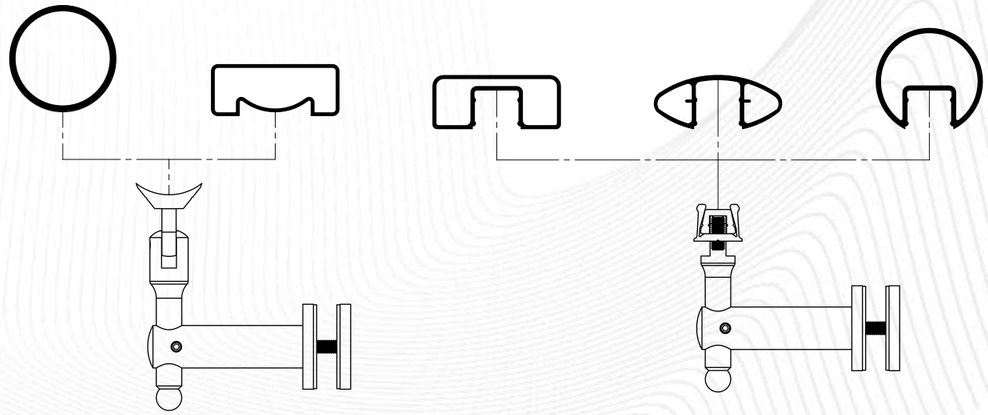


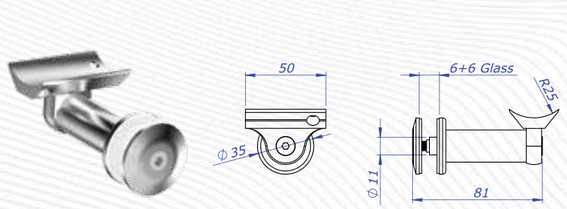


500-623
Double Glass Interconnection
Spider

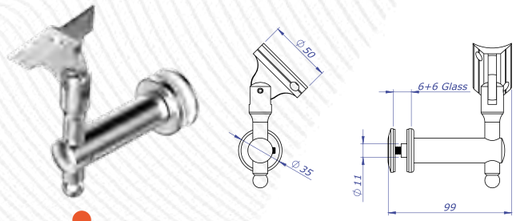


A60
SERIES

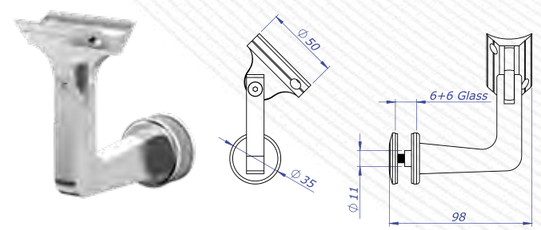




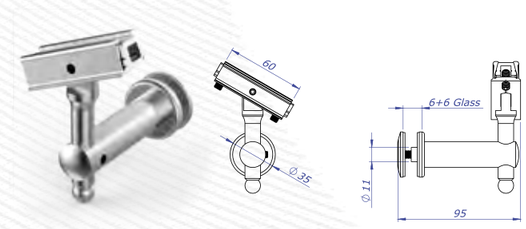
100-910
Glass Side Connector-(Ø50)



100-911
Glass “L” Side Connector-(Ø50)



100-913
Glass “L” Side Connector-(Ø50)

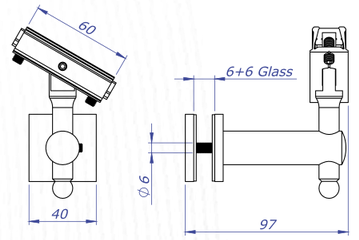


100-915
Glass “L” Side Connector-(Ø50)



A60
SERIES

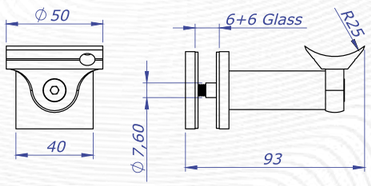






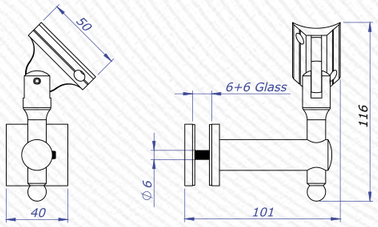
100-914
Square Glass "L" Side Connector





100-918
Square Glass Side Connector-(Ø50)

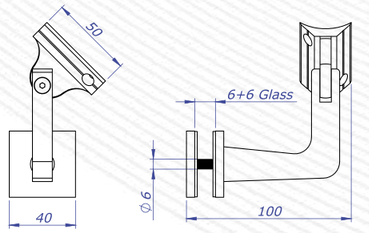






100-919
Square Glass "L" Side Connector-(Ø50)







100-920
Square Glass "L" Side Connector-(Ø50)









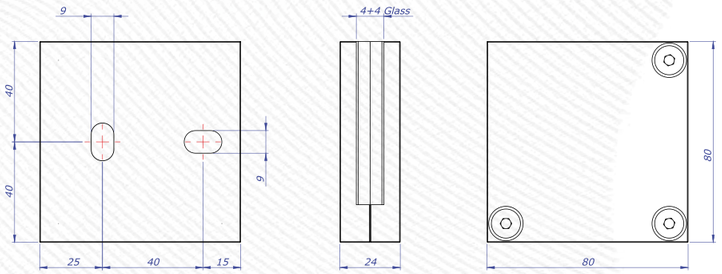
akos

A66
SERIES

Alusmart A66 offers a new design French Balcony Glass Holder with easy mounting and high safety

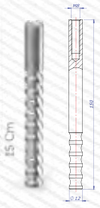
- Easy montage
- Strong and Durable Product Quality
- 4 mm. + 4mm. = 8mm. Glass Thickness
- Aesthetic and Minimalist Details
- Affordable Cost







500-640
A66 Glass Holder



500-016
8 Metric Anchor



500-018
Inox Bolt M8x25


A stylish solution
for complex situations.

ALUSMART
SERIES



150-506
50' Bend With Glass Channel 90°



150-508
50' Bend With Glass Channel 45°



150-302
50' Ground Flange Externally Screwed



150-303
50' Wall Flange (Double Hole)



150-304
50' Ground Flange Cover



150-305
50' Adjutable Wall Flange



150-501
50' Smart Sphere Elbow



150-502
50' Smart Sphere Elbow (ECO)



150-503
50' Inflate Bend 90°



150-504
50' Inflate Bend 45°



150-601
50' Smart Pipe Connector



150-603
50' Ring (3 cm)



150-518
50' Inward Bend With Glass Channel 90°



150-519
50' Inward Bend With Glass Channel 45°

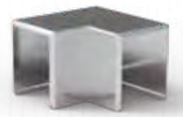


150-701
50' Plug



150-704
50' Plug With Channel

ALUSMART
SERIES



230-511
26x30 Corner 90°



230-512
26x30 Corner 45°



230-301
26X30 mm Wall Flange



230-701
26X30 mm Square Plug



260-305
60X25 mm Wall Flange



260-501
60X25 mm Square Elbow With Horizontal Moving



260-502
60X25 mm Square Elbow With One Side Moving



260-503
60X25 mm Square Elbow With Vertical Moving



260-504
60X25 mm Square Elbow With Side Moving



260-508
60X25 mm Square Elbow 90° (Midle Channel)



260-509
60X25 mm Square Elbow 45°(Midle Channel)



260-702
60X25 mm Square Plug



260-601
60X25 mm Ring



260-301
60X25 mm Wall Flange



360-513
Elliptic 60x25 Ellow 90°
(Midle Channel)



360-514
Elliptic 60x25 Ellow 45°
(Midle Channel)



360-301
360-301 Elliptic 60x25
Wall Flange



360-701
Elliptic 60x25 Plug



360-501
Elliptic 60x25 Elbow for
Both Side Moving



360-502
Elliptic 60x25 Elbow With
One Side Moving



360-503
Elliptic 60x25 Elbow
With Wertical Moving



360-504
Elliptic 60x25 Elbow
With Side Moving



360-601
Elliptic 60x25 Ring



100-001
Pistol for 410 gr



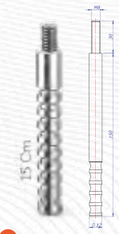
100-002
410 gr Epoxy
Adhesive



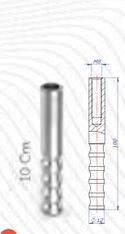
100-006
Granit Cutter Tool



500-013
8 Metric Anchor



500-014
8 Metric Anchor



500-015
8 Metric Anchor



500-016
8 Metric Anchor



500-017
15 cm Screw + Dowel



500-018
Inox Bolt M8x25



500-019
Bolt M8

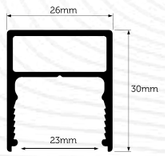




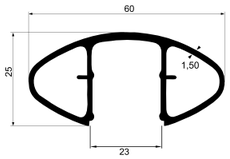
2994
Glass Cover Profile
For Top



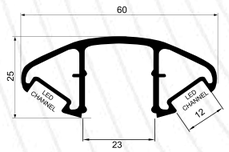
2995
Glass Cover Profile
For Top



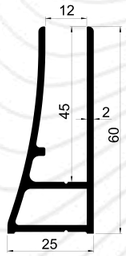
6109
Glass Cover Profile For
Top 0,548 Kg/M



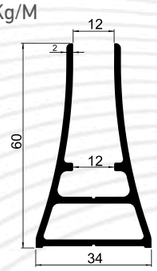
08-078
0,699 Kg/Mt



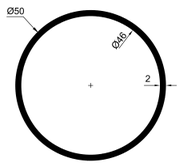
6149
Top Handrail With Led
Channel 0,743 Kg/Mt



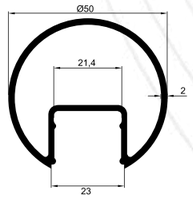
2917
0,892 Kg/M



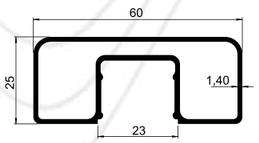
2918
1.002 Kg/M



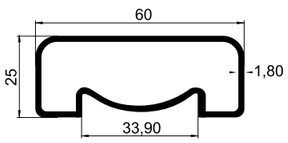
2003
0,815 Kg/M



2919
0,980 Kg/M



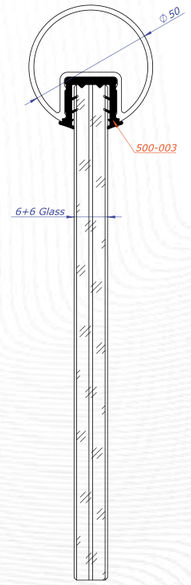
2907
0,775 Kg/M

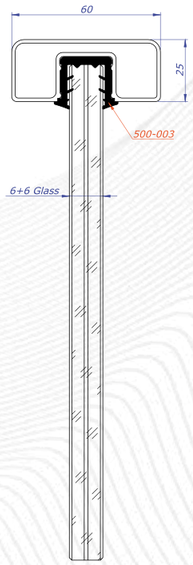


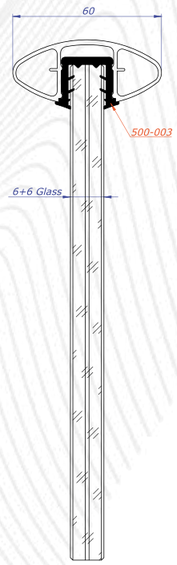
2600
1.002 Kg/M



500-003
Glass Connection Rubber

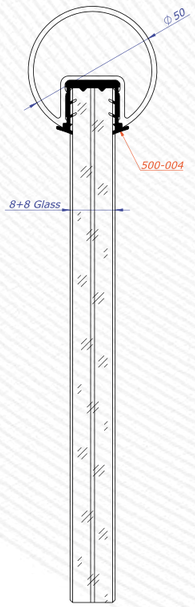


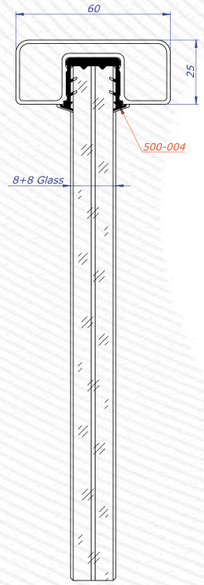


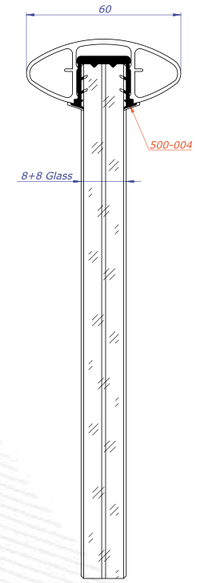




500-004
Glass Connection Rubber







ALUMAX 400
SERIES

• Resistant. Due to the profile cross-section details, it shows high resistance against excessive strain loads.

• Suitable for both indoor and outdoor usage.

• It can be easily used on the oceansides, on exterior facades with high wind load and security in desired interior spaces.

• Easy Installation.

• Unlimited model option.

• Practical solutions for of any kind of complex detection.

• Round, Square and all of the elliptical systems can be used with the Alumax.

• With glass models also create an aesthetic beauty.



ALUMAX 400
SERIES

ALUMAX
SERIES
Installation Videos



E100
SERIES



DD100
SERIES



D200
SERIES

ALUMAX
SERIES
Installation Videos



S100
SERIES



D100
SERIES





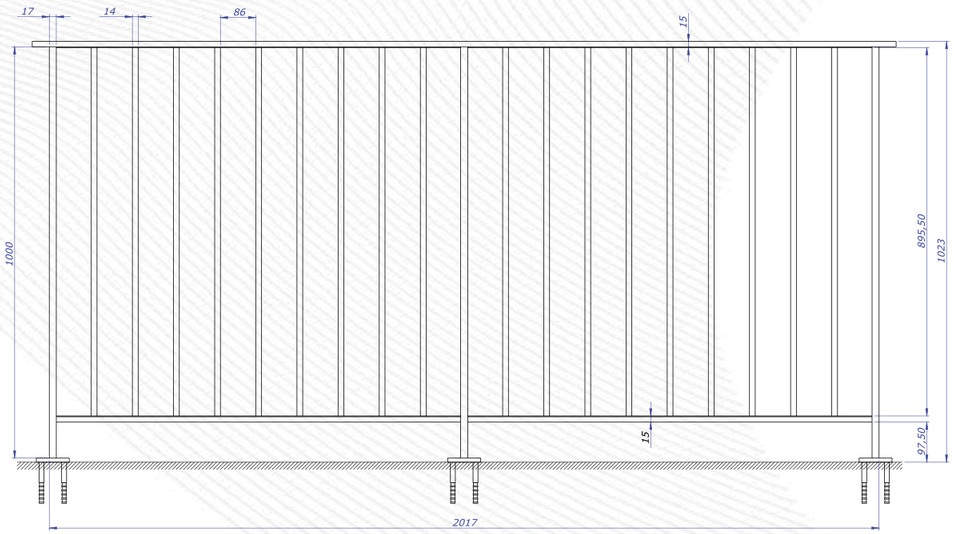
The Alumax Series lama struts are compatible with all upper railing profiles, horizontal barrier profiles and glazing profiles designed in the Akos 100-200-300 series. In addition, all accessories designed for the Akos 100 - 200 - 300 Series, allows for more architectural design using with the Alusmart 400 series lama struts.



L100 SERIES







New approach to classic aluminium flat bar balustrade system!

The L100 System offers you an elegant design with unparalleled performance. L100 System is suitable for residential and commercial places with its modular and lightweight system.

L100 SERIES





470-001
L100 Strut Top Connector



470-002
L100 Strut Side Connector



470-003
L100 Strut Ground Connector



470-004
L100 Corner Top Connector 90°

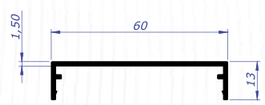


470-005
L100 Corner Top Connector 45°

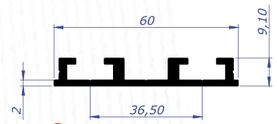


470-006
L100 Strut Top Joint

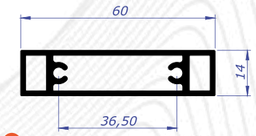
L100 SERIES



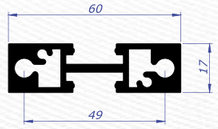
16326
0,354 Kg/M
6 Meters



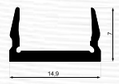
16328
0,618 Kg/M
6 Meters



16329
0,766 Kg/M
6 Meters



16330
1,359 Kg/M
6 Meters



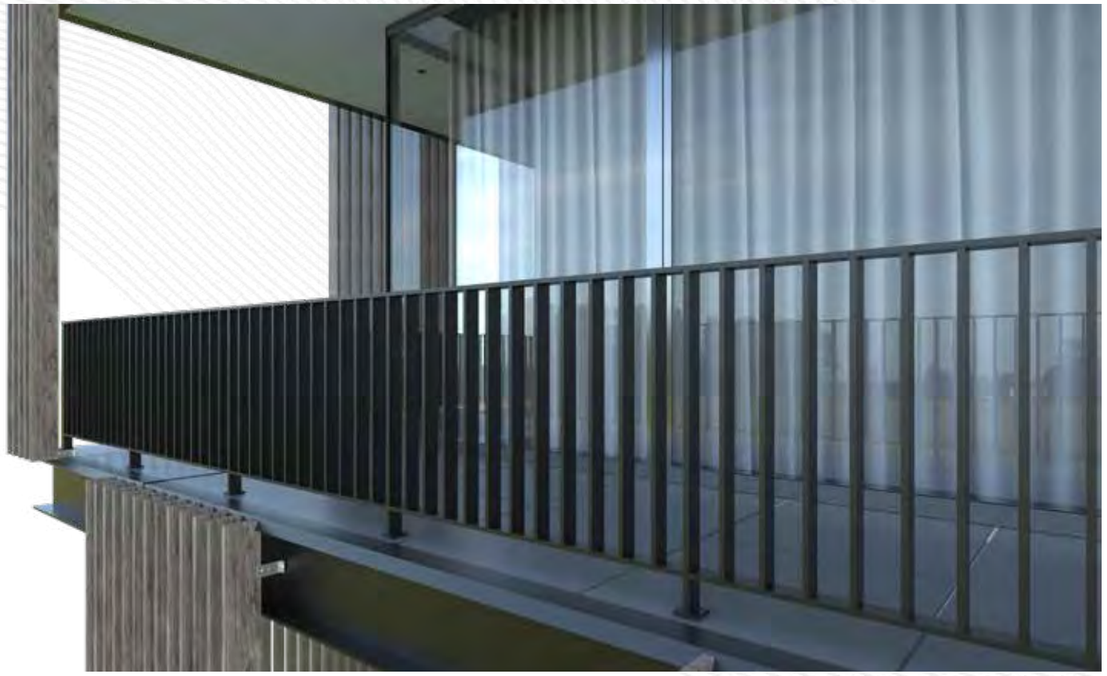
2614
0,088 Kg/Mt



500-016
8 Metric Anchor

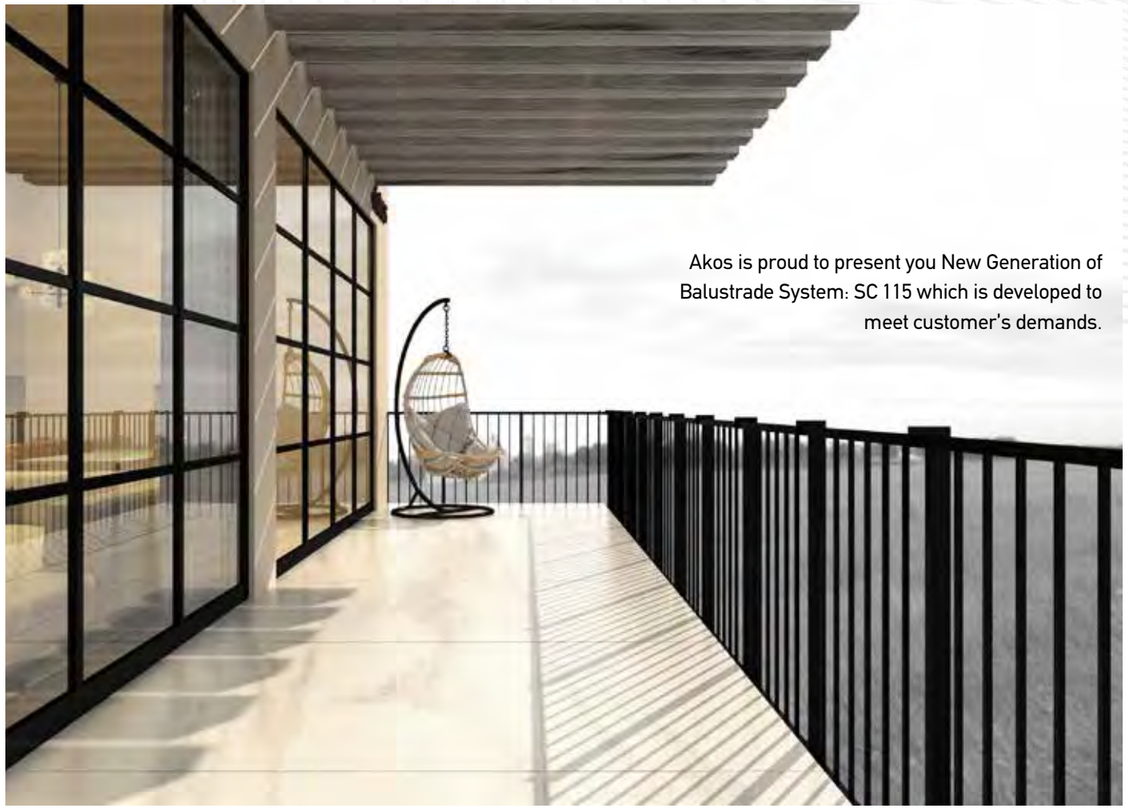


500-018
Inox Bolt M8x25



SC115
SERIES FLORENCE

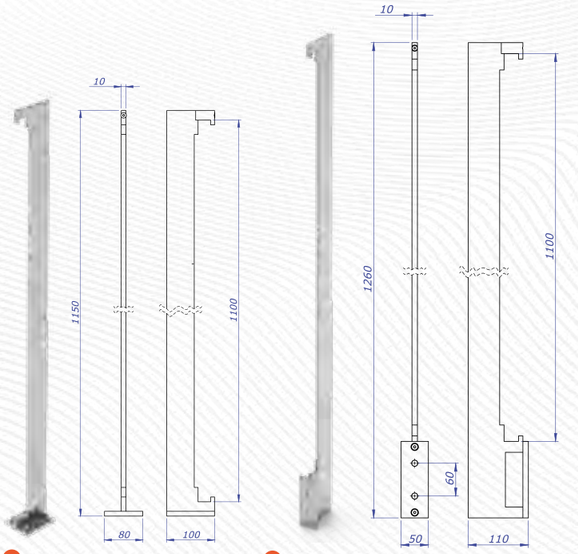




Akos is proud to present you New Generation of Balustrade System: SC 115 which is developed to meet customer's demands.

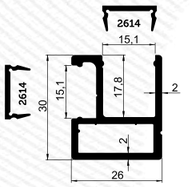
SC115
SERIES FLORENCE



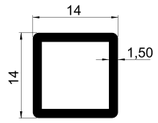


420-050
Hooked Lama Post
115 cm

420-051
Hooked Lama Post
126 cm



2913
0,620 Kg/M



2922
0,201 Kg/M



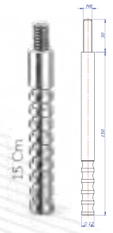
230-701
26X30 mm Square Plug



500-019
Bolt M8



500-013
8 Metric Anchor



500-014
8 Metric Anchor

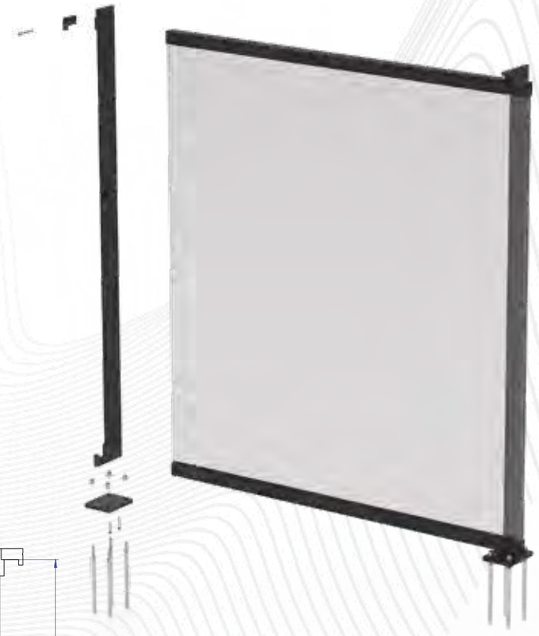
SC115
SERIES SIENA

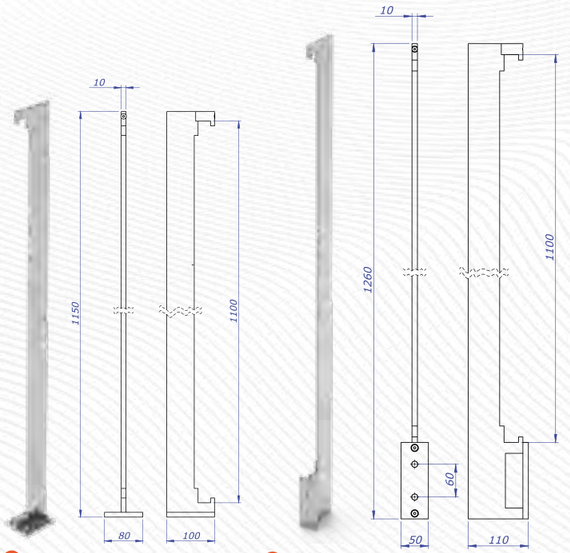




- Reliable Quality
- Efficient Safety
- Easy Assembly
- Simple and Aesthetic Design
- Different Options

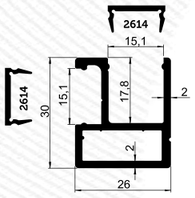
SC115
SERIES SIENA



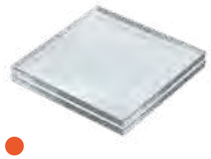


420-050
Hooked Lama Post
115 cm

420-051
Hooked Lama Post
126 cm



2913
0,620 Kg/M



6+6=12 mm Glass



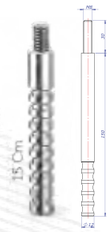
230-701
26X30 mm Square Plug



500-019
Bolt M8



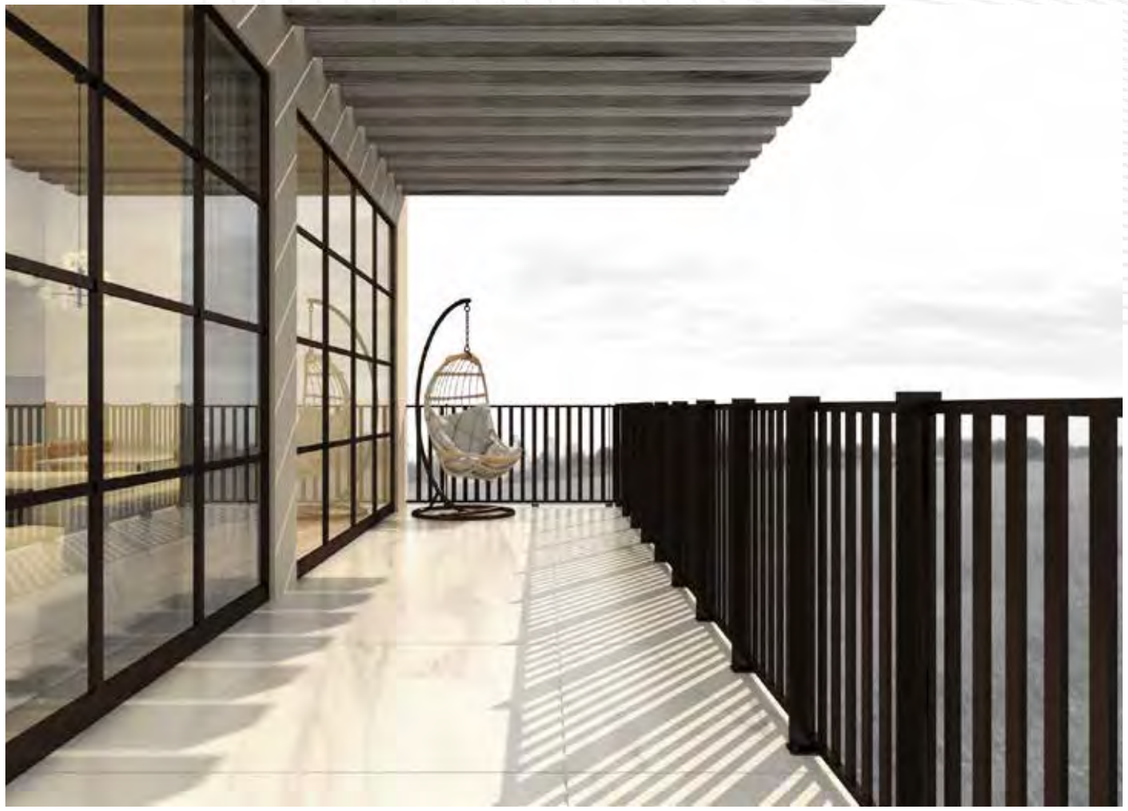
500-013
8 Metric Anchor



500-014
8 Metric Anchor

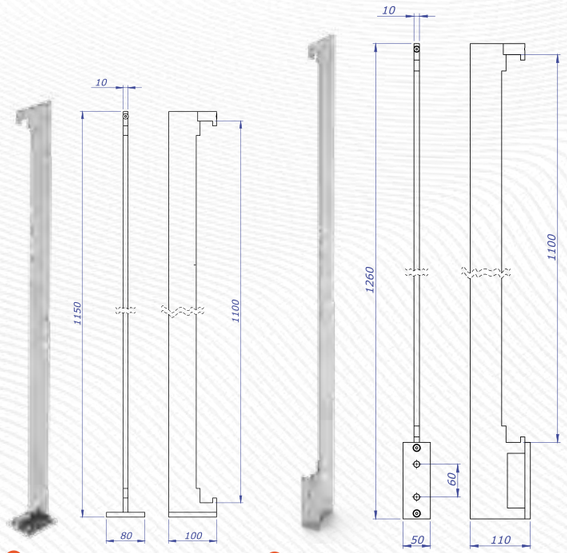
SC115
SERIES OSLO





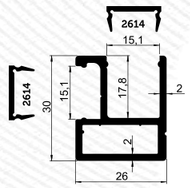
SC115
SERIES OSLO



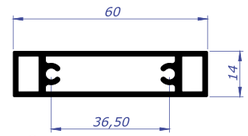


420-050
Hooked Lama Post
115 cm

420-051
Hooked Lama Post
126 cm



2913
0,620 Kg/M



16329
0,766 Kg/M



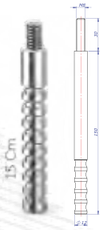
230-701
26X30 mm Square Plug



500-019
Bolt M8



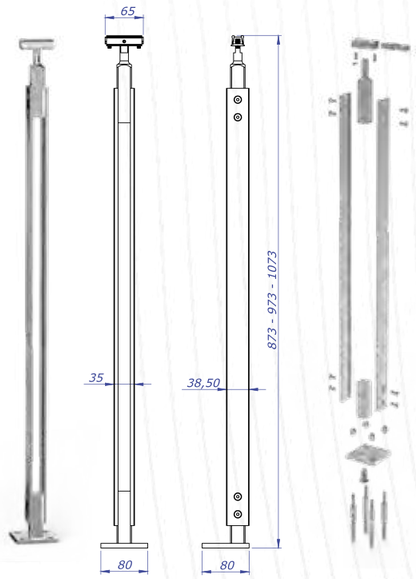
500-013
8 Metric Anchor



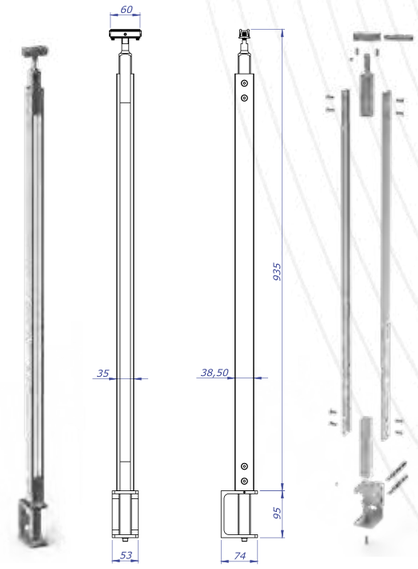
500-014
8 Metric Anchor

Top in transparency.
Maximum of light and space!

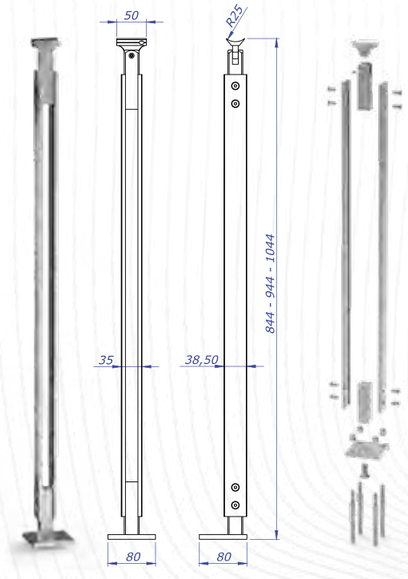




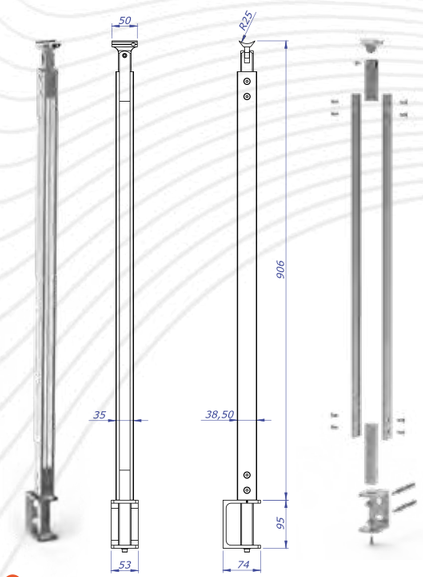
400-001 (85 cm)
400-002 (95 cm)
400-003 (105 cm)
Lama Strut With Clips



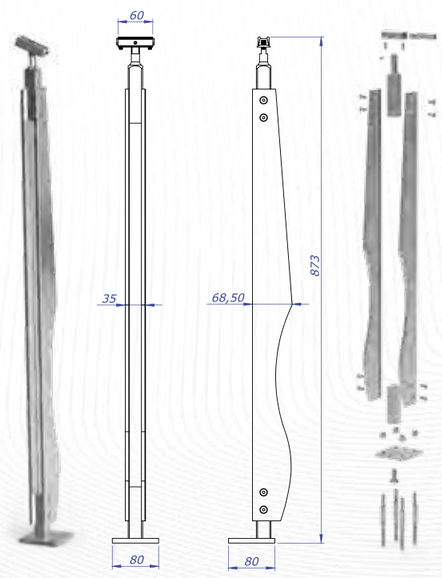
400-007
Lama Strut With Wall Connection (Clips)



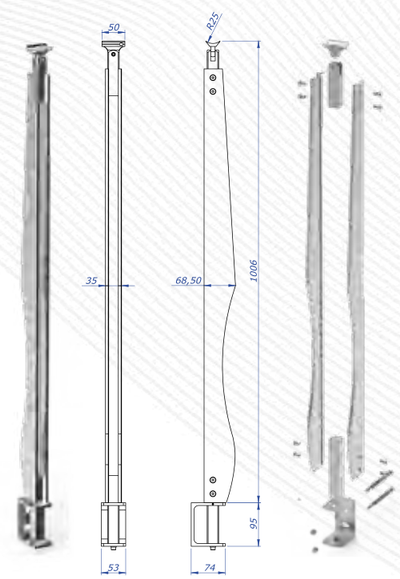
400-004 (85 cm)
400-005 (95 cm)
400-006 (105 cm)
Lama Strut With Semi Circular (Clips)



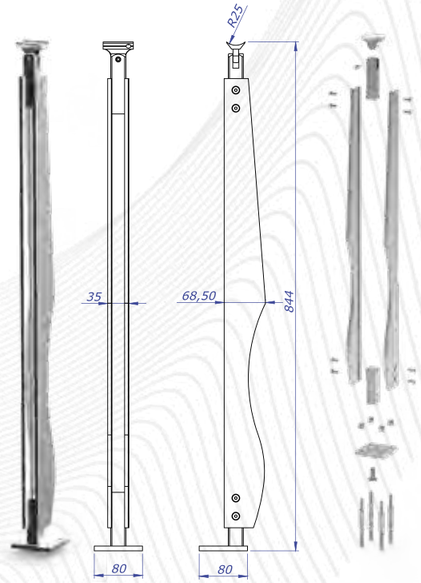
400-008
Lama Strut With "U" Wall Connection



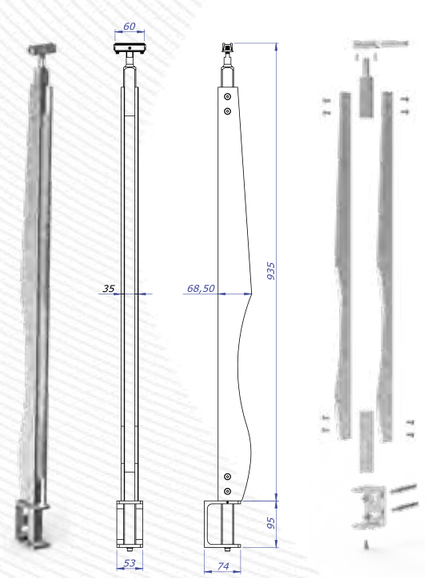
410-001 (85 cm)
410-002 (95 cm)
410-003 (105 cm)
Patterned Lama Strut
With (Clips)



410-007
Patterned Lama Strut With "U"
Wall Connection (Semi Circular + Clips)



410-004 (85 cm)
410-005 (95 cm)
410-006 (105 cm)
Patterned Lama Strut With
Semi Circular (Clips)

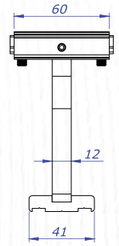


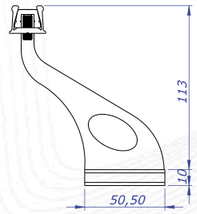
410-008
Patterned Lama Strut With Wall Connection
(Semi Circular + Clips)

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SERIES

Lama Strut Railing System Application Details



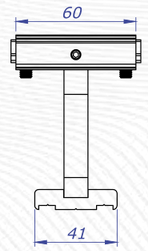


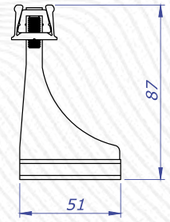




460-101
Lama Strut Circular Set



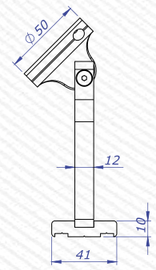


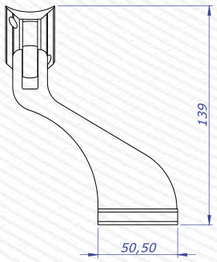




460-102
Lama Strut Circular Set



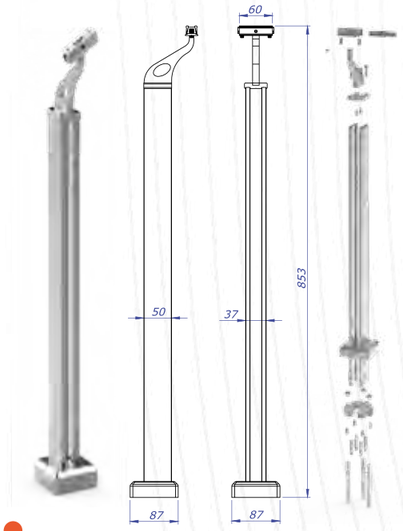




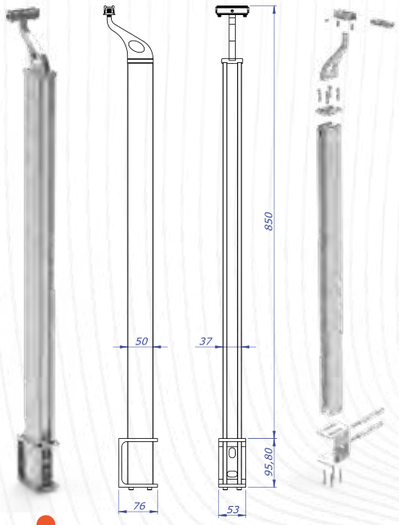


460-103
Lama Strut Circular Set

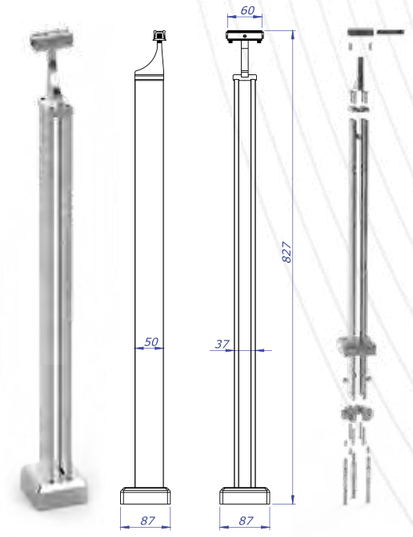
The perfect solution for attractive and slim lines!



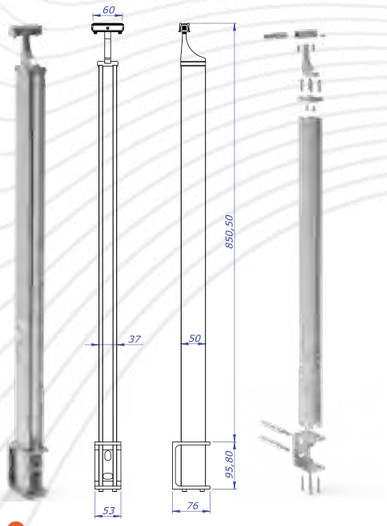
440-001 (85 cm)
440-002 (95 cm)
440-003 (105 cm)
Lama Strut With Clips



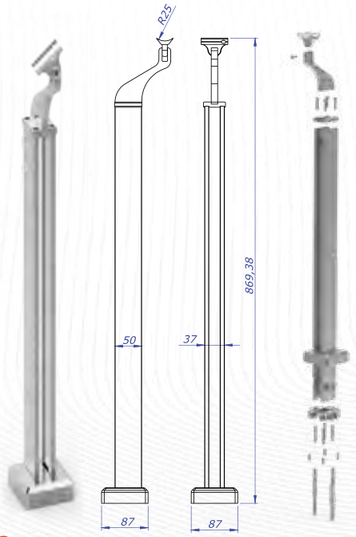
440-004 (85 cm)
440-005 (95 cm)
440-006 (105 cm)
Lama Strut With Clips and U Wall Connection



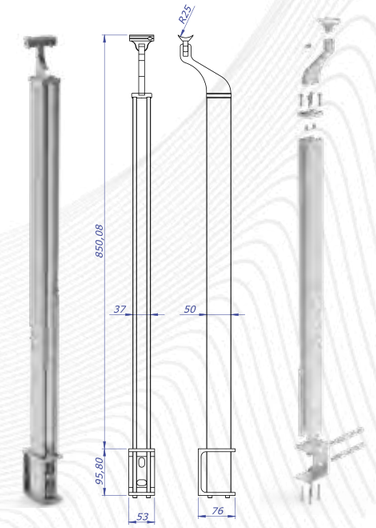
440-010 (85 cm)
440-011 (95 cm)
440-012 (105 cm)
Lama Strut With Clips



440-013 (85 cm)
440-014 (95 cm)
440-015 (105 cm)
Lama Strut With Clips and U Wall Connection



440-020 (85 cm)
440-021 (95 cm)
440-022 (105 cm)
Lama Strut With Clips



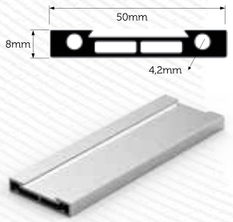
440-023 (85 cm)
440-024 (95 cm)
440-025 (105 cm)
Lama Strut With Clips and U Wall Connection



460-104
Lama Strut Flange



460-105
Lama Strut U Connector

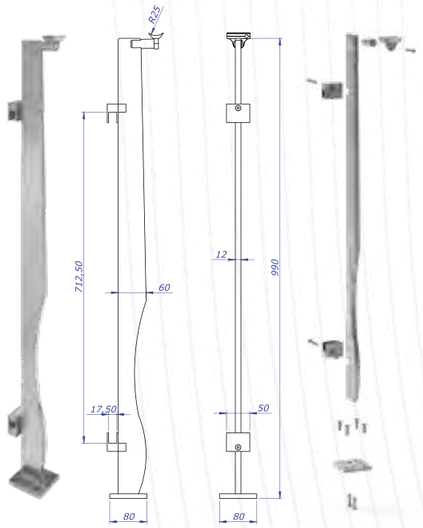


6058
Lama Strut Profile

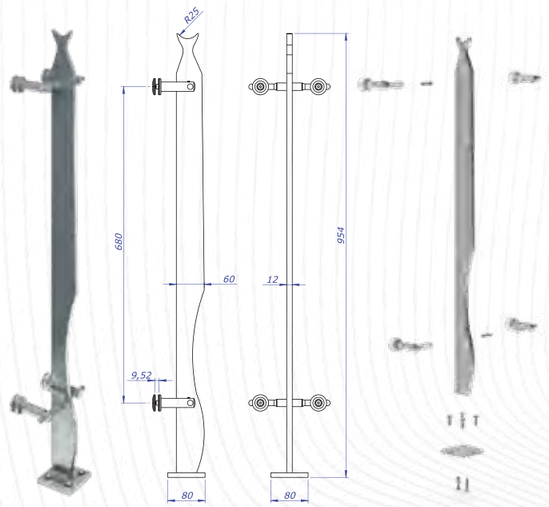


500-020
M5x40 mm Imbus

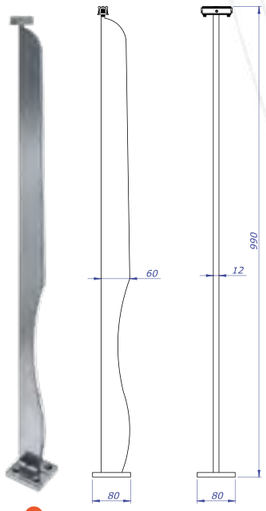
An ultra-modern line offers a fantastic look!



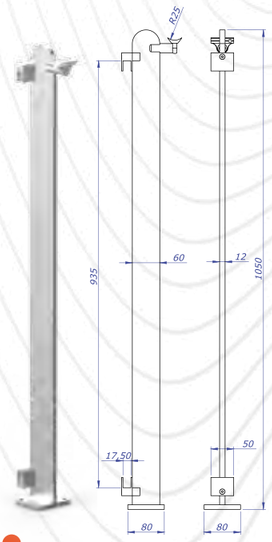
410-010



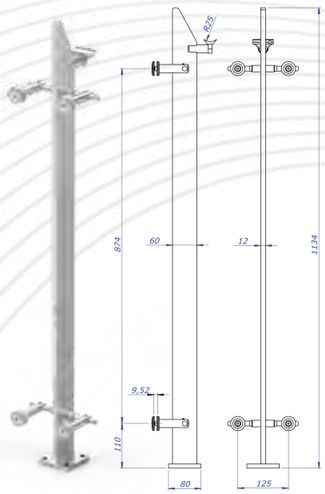
410-020



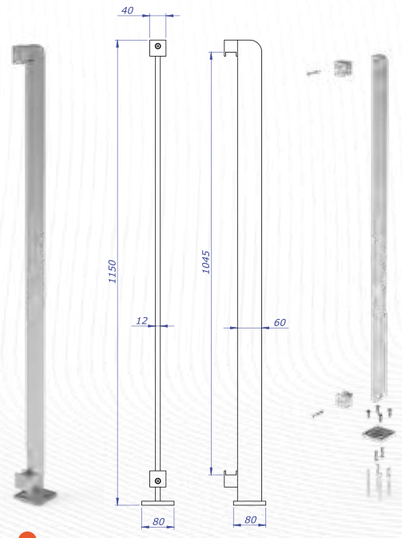
410-030



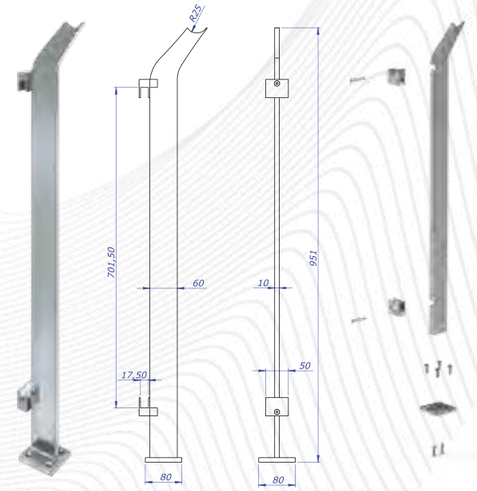
420-020



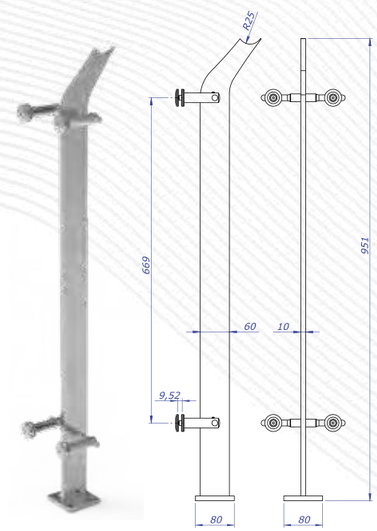
420-021



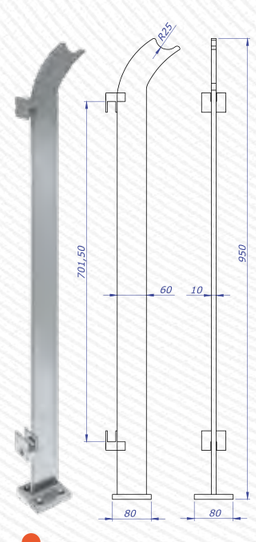
420-024



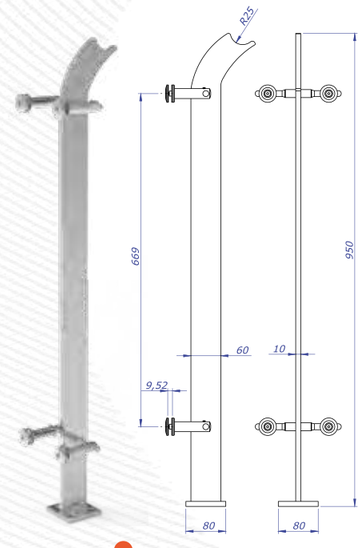
420-030



420-032



420-040

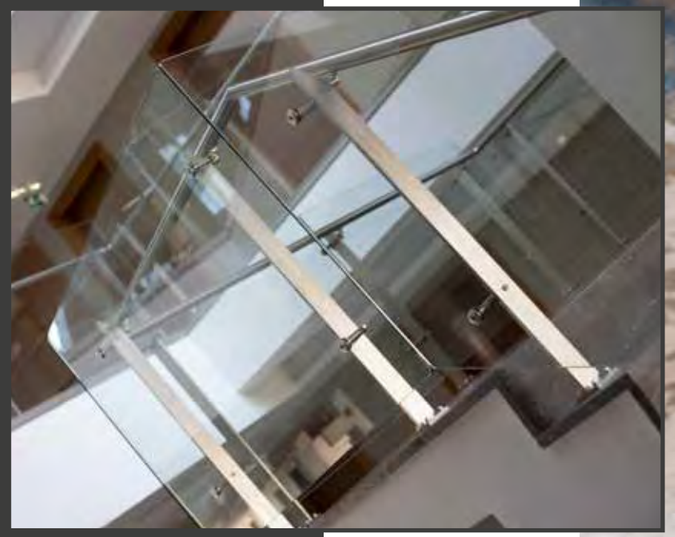


420-042

Full transparency is now even more possible!

akos









Design for indoor or outdoor installations.

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Lama Strut Railing System Application Details



100-916
Both Glass Spider



100-917
Single Glass Spider



450-300
Extra Lama Step



450-301
Compression Clip



450-302
Cover For Single Lama



450-901
Both Glass Spider



450-902
Single Glass Spider



450-903
Lama Type Horizontal Glass Holder



450-801
Round Pipe Holder for 16mm



450-802
Square Pipe Holder for 14X14



450-803
Elliptic Pipe Holder



ALUMAX
SERIES

Lama Strut Railing System Application Details



150-302
50' Ground Flange Externally Screwed



150-303
50' Wall Flange (Double Hole)



150-304
50' Ground Flange Cover



150-305
50' Adjutable Wall Flange



150-501
50' Smart Sphere Elbow



150-502
50' Smart Sphere Elbow (ECO)



150-503
50' Inflate Bend 90°



150-504
50' Inflate Bend 45°



150-601
50' Smart Pipe Connector



150-603
50' Ring (3 cm)



150-701
50' Plug



130-501
30' Sphere Elbow



130-103
30x30 Semi Circular (External)



130-104
30x40 Semi Circular (External)



130-105
30x50 Semi Circular (External)



130-703
30' Plug (Externaly)

ALUMAX
SERIES

Lama Strut Railing System Application Details



116-701
16' Plug



116-705
16' Plug (Externaly)



116-802
16' Pipe Double Handle Set



116-301
16' Ground Flange Externaly



116-501
16' Sphere Elbow



116-502
16' Elbow 90°



116-503
16' Elbow 45°



116-305
16' Wall Flange



116-302
16x30 Slotted Wall Flange



116-303
16x40 Slotted Wall Flange



116-304
16x50 Slotted Wall Flange



116-809
16' Pipe Handle



116-601
16' Ring



116-602
16' Intermediate Connector



116-603
16' Single Decorated Sphere

ALUMAX
SERIES

Lama Strut Railing System Application Details



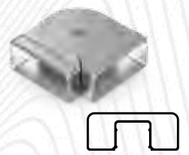
260-501
60X25 mm Square Elbow With Horizontal Moving



260-502
60X25 mm Square Elbow With One Side Moving



260-503
60X25 mm Square Elbow With Vertical Moving



260-504
60X25 mm Square Elbow With Side Moving



260-601
60X25 mm Ring



260-702
60X25 mm Square Plug



260-512
60X25 mm Square Elbow 90°(Without Channel



260-513
60X25 mm Square Elbow 45°(Without Channel)



260-301
60X25 mm Wall Flange



260-302
60X25 mm Vertical Wall Connection



230-501
26X30 mm Out Side Corner For Glass 90°



230-502
26X30 mm In Side Corner For Glass 90°



230-503
26X30 mm Out Side Corner For Glass 45°



230-504
26X30 mm In Side Corner For Glass 45°



230-505
26X30 mm Square Profile Corner



230-301
26X30 mm Wall Flange

ALUMAX
SERIES

Lama Strut Railing System Application Details



230-701
26X30 mm Square Plug



230-702
26X30 mm Plug
(External)



214-501
14X14 mm Elbow
90°



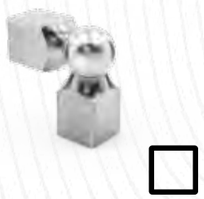
214-502
14X14 mm Elbow 45°



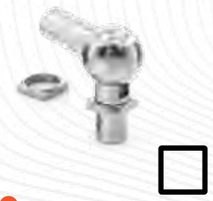
214-503
14X14 mm
Adjustable Elbow
(Vertical)



214-504
14X14 mm
Adjustable Elbow
(Horizontal)



214-505
14X14 mm
Adjustable Elbow



214-506
14X14 mm
Adjustable Elbow



214-601
14X14 mm Ring



214-701
14X14 mm Plug



270-001
70X70 mm Strut Profile
Set (110 cm)



ALUMAX
SERIES

Lama Strut Railing System Application Details



314-701
Elliptic Carrier Plug



314-601
Elliptic Pipe Handle



360-701
Elliptic 60x25 Plug



360-301
360-301 Elliptic 60x25
Wall Flange



360-501
Elliptic 60x25 Elbow for
Both Side Moving



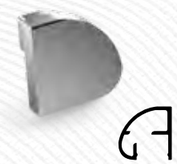
360-502
Elliptic 60x25 Elbow With
One Side Moving



360-503
Elliptic 60x25 Elbow
With Wertical Moving



360-504
Elliptic 60x25 Elbow
With Side Moving



330-701
Elliptic Pipe Handle
Plug-Right



330-702
Elliptic Pipe Handle
Plug-Left



330-501
Elliptic Glass Holder
Elbow 90°



330-502
Elliptic Glass Holder Elbow
90° (Reverse Ch.)



330-503
Elliptic Glass Holder
Elbow 45°



330-504
Elliptic Glass Holder Elbow
45° (Reverse Ch.)



330-601
Elliptic Pipe Holder
Ring



360-601
Elliptic 60x25 Ring

ALUMAX
SERIES

Lama Strut Railing System Application Details



100-001
Pistol for 410 gr



100-002
410 gr Epoxy
Adhesive



100-035
High Tack
Adhesive



500-017
15 cm Screw + Dowel



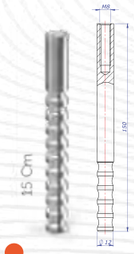
500-013
8 Metric Anchor



500-014
8 Metric Anchor



500-015
8 Metric Anchor



500-016
8 Metric Anchor



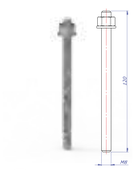
500-018
Inox Bolt M8x25



500-019
Bolt M8



100-006
Granit Cutter Tool



500-041
120 mm 8 Metric Bolt

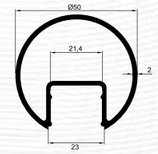
ALUMAX
SERIES

Lama Strut Railing System Application Details





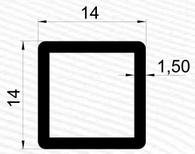
2003
0,815 Kg/M



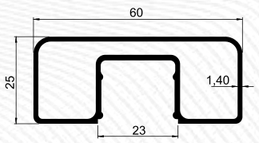
2919
0,980 Kg/M



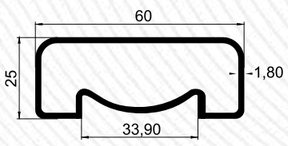
5
0,184 Kg/M



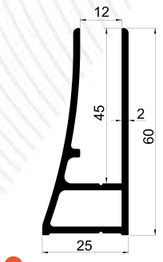
2922
0,201 Kg/M



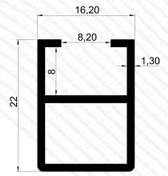
2907
0,775 Kg/M



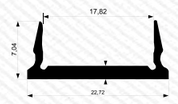
2600
1.002 Kg/M



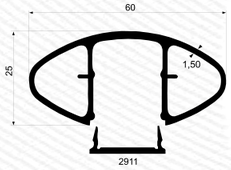
2917
0,892 Kg/M



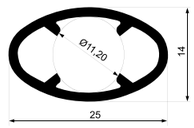
2705
0,267 Kg/M



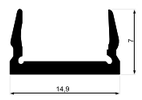
2911
0,119 Kg/Mt



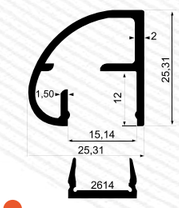
08-078
0,699 Kg/Mt



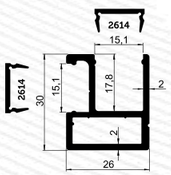
08-082
0,249 Kg/Mt



2614
0,088 Kg/Mt



08-083
0,382 Kg/Mt



2913
0,620 Kg/M

High-quality aluminum resistant to variable weather conditions Akos Fence Systems allows you to achieve design integrity according to the atmosphere of your spaces with white, cream, silver, gray, bronze, wood-like aluminum profile with or without LED Lighting options.

It can be cut to the desired length according to the requirements of your space. Fence Systems that can be applied leaves the choice entirely to you.

Offering design options suitable for different architectural structures, innovative and modular Akos Fence Systems, easy to install stands out with its feature.

ALUFENCE 600
SERIES



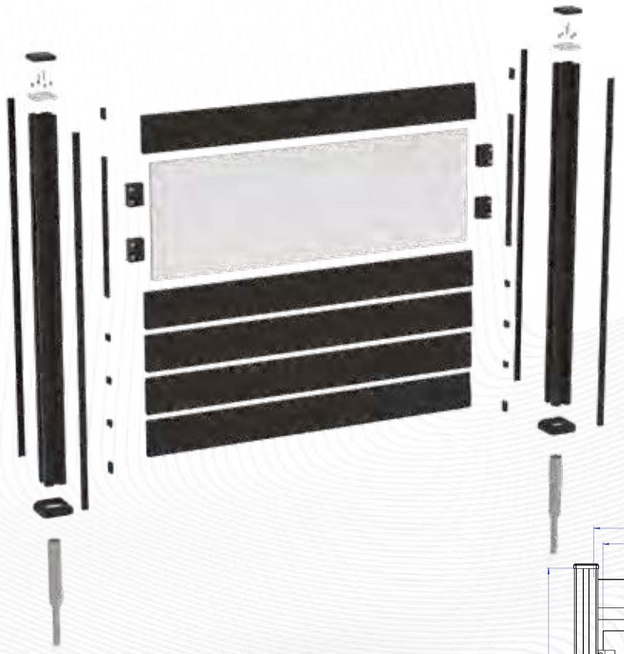
ALUFENCE

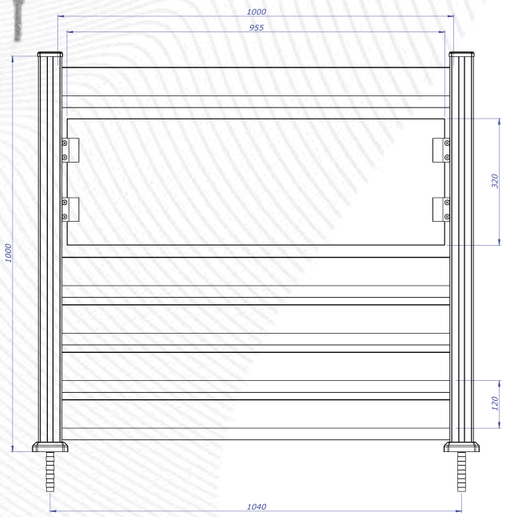
Arvada





ALUFENCE
SERIES ARVADA







ALUFENCE

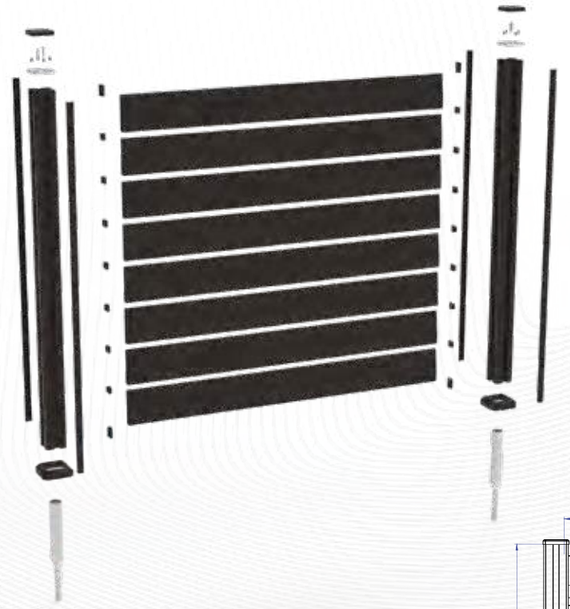
Nevada

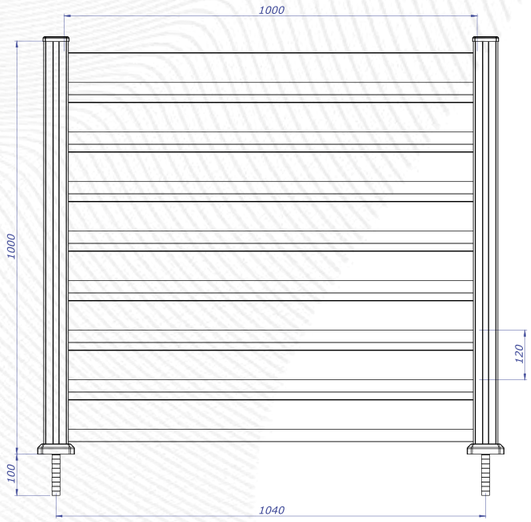




Vakos

ALUFENCE
SERIES NEVADA







ALUFENCE

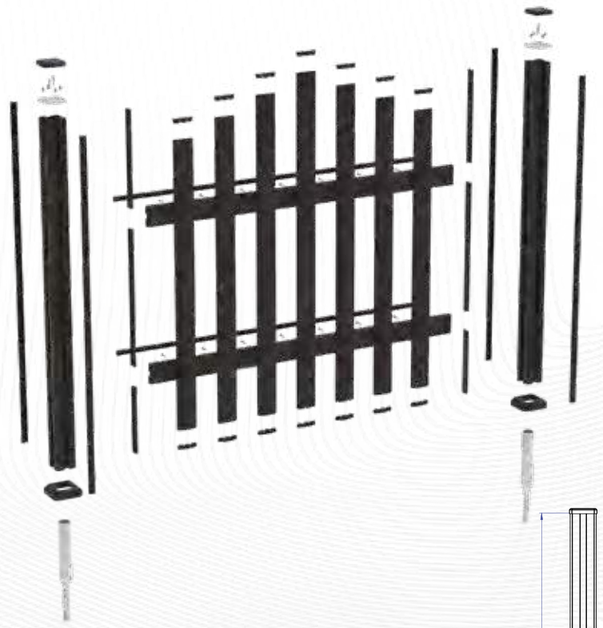
Florida

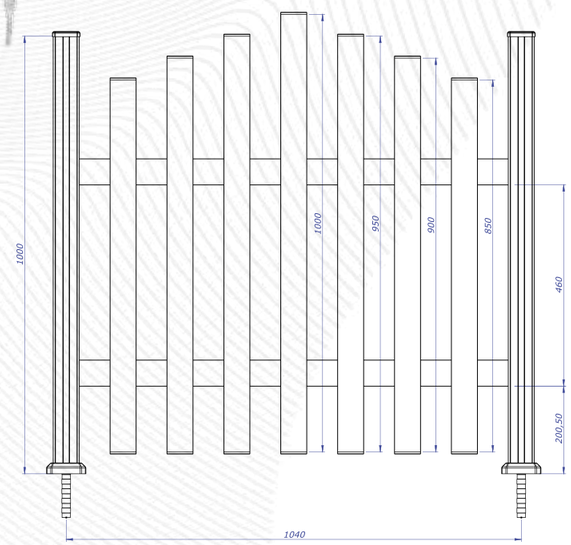




Vakos

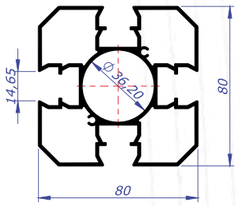
ALUFENCE
SERIES FLORIDA



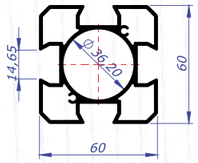




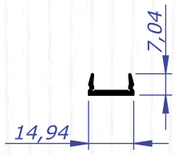
ALUFENCE
SERIES



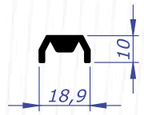
6211
Fence Post Profile
80*80-6 Meters



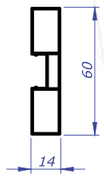
6205
Fence Post Profile
60*60-6 Meters



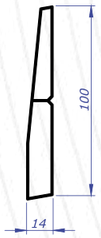
2614
14,9x7 Profile Cover
6 Meters



6204
Fence Profile Cover
6 Meters



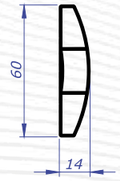
6206
Elliptic 60x25 Plug



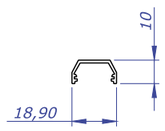
6207
Partition Siding Fence
Profile-6 Meters



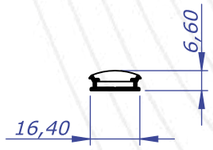
6208
Z Shape Partition Fence
Profile-6 Meters



6210
360-301 Elliptic 60x25
Wall Flange



800-010
Polycarbonate Cover
6 Meters



800-011
Led Lighting Profile
6 Meters

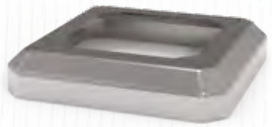


200-904
Glass Holder for
Square



100-036
Led Strip Light
5 Meters

ALUFENCE
SERIES



800-015
Post Ground Flange
80*80



800-014
Post Ground
Flange 60*60



800-013
Post Caps 80*80



800-012
Post Caps 60*60



800-009
Fence Profile Top
Plate 80*80



800-006
Fence Profile Top
Plate 60*60



800-017
Elliptic 60x25 Plug
Aluminium



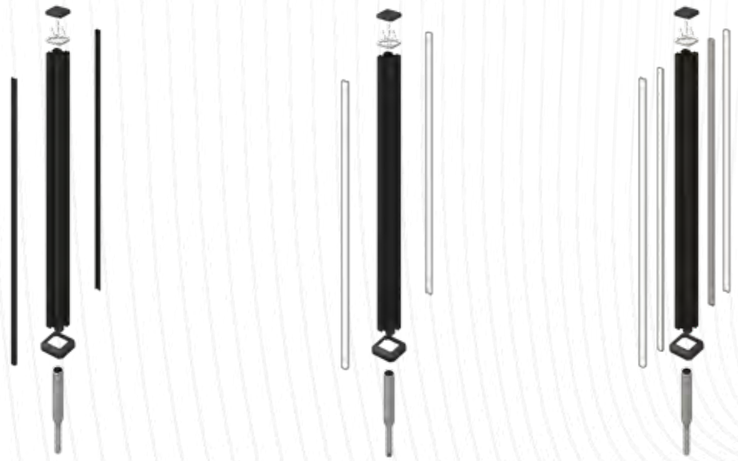
800-016
Fence Post Anchor
Ø36



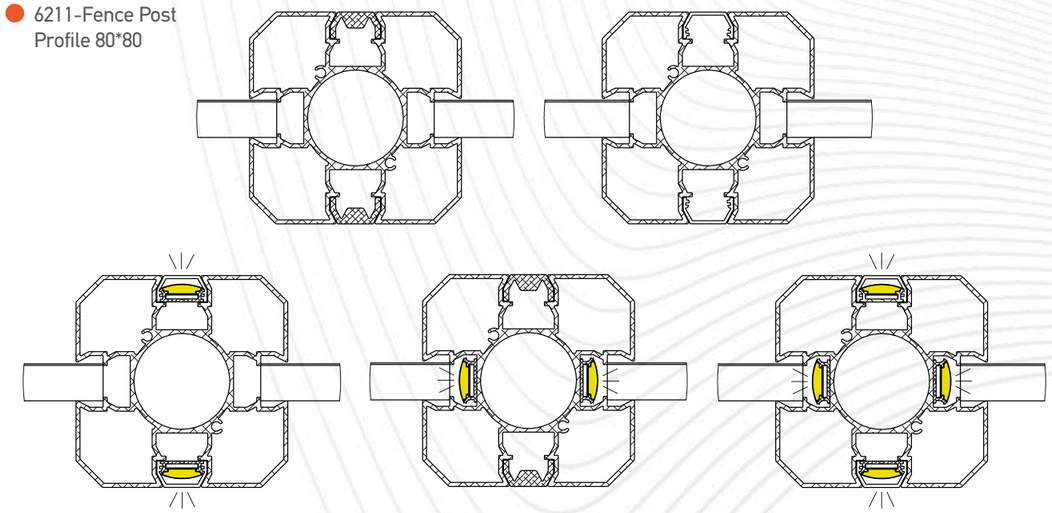
100-035
High Tack
Adhesive

ALUFENCE
SERIES

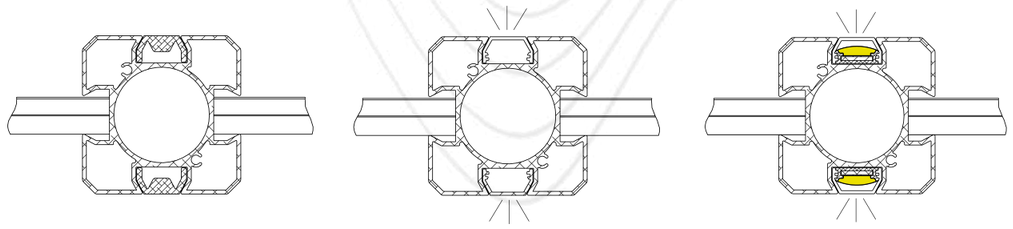
Post Usage Types of Alufence System



6211-Fence Post
Profile 80*80



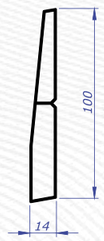
6205-Fence Post
Profile 60*60



ALUFENCE
SERIES



Color your world with Alufence Systems!



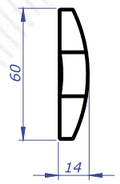
6207
Partition Siding Fence
Profile-6 Meters





6208
Z Shape Partition Fence
Profile-6 Meters





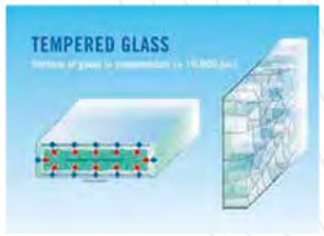
6210
Vertical Partition Fence
Profile-6 Meters

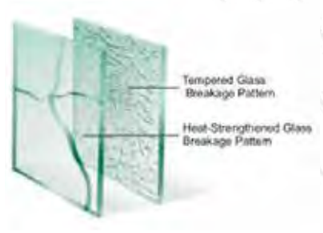


AKOS GLASS









Use of glass panels in AKOS installations A wide range of glass panels can be integrated with AKOS system, in various thicknesses and characteristics according to specifications. There are two main categories according to EN12543 and EN12600 specified by the European Union concerning the thermal treatment of the glass. More specifically, EN12543 specifies the use of tempered and laminated glass with the insert of PVB membranes.

This type of glass panels has the following qualities:

a) In case of breakage, they do not break in large and sharp pieces.

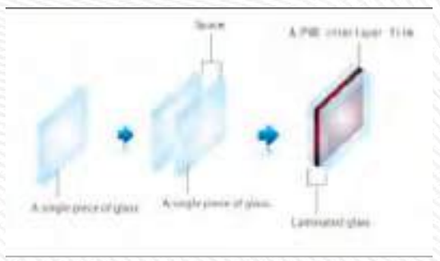
LaminatedGlass TRIPLEX glasswith PVB membrane

a) Even in case of such breakage, the broken glass pieces remain attached on the PVB surface without putting in danger the safety of nearby persons. The fabrication of these tempered and laminated glass panels is being carried out by thermal treatment of ordinary glass which is afterwards sandwiched together with the PVB membranes to give the various grades and thickness of laminated glass panels.

AKOS GLASS



(PVB), placed in layers between the glass.
Rollers press the layers together to expel any air pockets.



Toughened Glass Thermally Toughenedglass



In the following pictures show the different types of breakage:
a) Tempered and laminated glass, and,
b) Ordinary tempered glass.
PVB films the common characteristics amongst the two categories
mentioned previously, are the use of the PVB interlayer films.

AKOS GLASS





The glass is then heated to 70o C in a pressurized oil bath to permanently bond all layers together. Typically, the thickness of each PVB film is 0,38 mm, additional layers of glass and PVB film increase the strength of the material. Applying two interlayers of film, the thickness becomes 0,78 mm, with three at 1,14 mm and so on. Apart from the different thickness of glass and PVB, a wide range of colored PVB, for example grey, blue green or yellow is available, offering a particular esthetique to modern buildings.

According to European Norms (EN 12600) the minimum number of films required is two, however AKOS recommends the use of glass with four PVB films for maximal security. Even in the event that the glass breaks, the two layers are held together by the PVB, allowing the sheet as a whole to bend and absorb the impact. This characteristic is especially important for places where safety or security are paramount. Types of security glasses the most common type Triplex glass consists of the combination of Heat Strengthened Glass – PVB – Heat Strengthened Glass. The result of a Heat Strengthened glass panel will resist two times stronger than ordinary glass, where a unified static force has been applied (EN 12543), to one of the same thickness. The second type of Triplex glass, and the one which meets the safety criteria is Thermally Toughened Glass, and its combination with PVB, known as toughened glass. Toughened Glass is manufactured by subjecting the finished glass size to a heating and cooling treatment which set up high compressive stresses at the surface, and balancing tensile stresses in the center of the glass, thus increasing its strength. The result is a glass that is 5 times stronger than ordinary glass. Heat strengthened glass is produced by a similar process to toughened glass, however, the strength developed is about half that of toughened glass, and its breakage resembles that of annealed glass. AKOS strongly recommends the use of Heat Strengthened Glass with the installation of any type of AKOS system.

• NOTE:Also; AKOS can do some mechanical operations on the glass in the direction of the customer's request. Connection holes, rodaj etc.

• Please contact us regarding Glass and PVB colours.

• The loads are made with wooden boxes for minimal deformation. The weights given are the weight of wooden boxes.

4 + 4 mm Laminated Glass

90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	100 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	110 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]
9010-8	100	8	(41,52-4)	1,8	10010-8	100	8	(41,52-4)	2	11010-8	100	8	(41,52-4)	2,2
9020-8	200	8	(41,52-4)	3,6	10020-8	200	8	(41,52-4)	4	11020-8	200	8	(41,52-4)	4,4
9030-8	300	8	(41,52-4)	5,4	10030-8	300	8	(41,52-4)	6	11030-8	300	8	(41,52-4)	6,6
9040-8	400	8	(41,52-4)	7,2	10040-8	400	8	(41,52-4)	8	11040-8	400	8	(41,52-4)	8,8
9050-8	500	8	(41,52-4)	9,0	10050-8	500	8	(41,52-4)	10	11050-8	500	8	(41,52-4)	11
9060-8	600	8	(41,52-4)	10,8	10060-8	600	8	(41,52-4)	12	11060-8	600	8	(41,52-4)	13,2
9070-8	700	8	(41,52-4)	12,6	10070-8	700	8	(41,52-4)	14	11070-8	700	8	(41,52-4)	15,4
9080-8	800	8	(41,52-4)	14,4	10080-8	800	8	(41,52-4)	16	11080-8	800	8	(41,52-4)	17,6
9090-8	900	8	(41,52-4)	16,2	10090-8	900	8	(41,52-4)	18	11090-8	900	8	(41,52-4)	19,8
90100-8	1000	8	(41,52-4)	18,0	100100-8	1000	8	(41,52-4)	20	110100-8	1000	8	(41,52-4)	22
90110-8	1100	8	(41,52-4)	19,8	100110-8	1100	8	(41,52-4)	22	110110-8	1100	8	(41,52-4)	24,2
90120-8	1200	8	(41,52-4)	21,6	100120-8	1200	8	(41,52-4)	24	110120-8	1200	8	(41,52-4)	26,4

6 + 6 mm Laminated Glass

90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	100 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	110 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]
901012	100	12	(61,52-6)	2,7	1001012	100	12	(61,52-6)	3	1101012	100	12	(61,52-6)	3,3
902012	200	12	(61,52-6)	5,4	1002012	200	12	(61,52-6)	6	1102012	200	12	(61,52-6)	6,6
903012	300	12	(61,52-6)	8,1	1003012	300	12	(61,52-6)	9	1103012	300	12	(61,52-6)	9,9
904012	400	12	(61,52-6)	10,8	1004012	400	12	(61,52-6)	12	1104012	400	12	(61,52-6)	13,2
905012	500	12	(61,52-6)	13,5	1005012	500	12	(61,52-6)	15	1105012	500	12	(61,52-6)	16,5
906012	600	12	(61,52-6)	16,2	1006012	600	12	(61,52-6)	18	1106012	600	12	(61,52-6)	19,8
907012	700	12	(61,52-6)	18,9	1007012	700	12	(61,52-6)	21	1107012	700	12	(61,52-6)	23,1
908012	800	12	(61,52-6)	21,6	1008012	800	12	(61,52-6)	24	1108012	800	12	(61,52-6)	26,4
909012	900	12	(61,52-6)	24,3	1009012	900	12	(61,52-6)	27	1109012	900	12	(61,52-6)	29,7
9010012	1000	12	(61,52-6)	27	10010012	1000	12	(61,52-6)	30	11010012	1000	12	(61,52-6)	33
9011012	1100	12	(61,52-6)	29,7	10011012	1100	12	(61,52-6)	33	11011012	1100	12	(61,52-6)	36,3
9012012	1200	12	(61,52-6)	32,4	10012012	1200	12	(61,52-6)	36	11012012	1200	12	(61,52-6)	39,6

8 + 8 mm Laminated Glass

90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	100 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	110 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]
901016	100	16	(81,52-8)	3,6	1001016	100	16	(81,52-8)	4	1101016	100	16	(81,52-8)	4,4
902016	200	16	(81,52-8)	7,2	1002016	200	16	(81,52-8)	8	1102016	200	16	(81,52-8)	8,8
903016	300	16	(81,52-8)	10,8	1003016	300	16	(81,52-8)	12	1103016	300	16	(81,52-8)	13,2
904016	400	16	(81,52-8)	14,4	1004016	400	16	(81,52-8)	16	1104016	400	16	(81,52-8)	17,6
905016	500	16	(81,52-8)	18	1005016	500	16	(81,52-8)	20	1105016	500	16	(81,52-8)	22
906016	600	16	(81,52-8)	21,6	1006016	600	16	(81,52-8)	24	1106016	600	16	(81,52-8)	26,4
907016	700	16	(81,52-8)	25,2	1007016	700	16	(81,52-8)	28	1107016	700	16	(81,52-8)	30,8
908016	800	16	(81,52-8)	28,8	1008016	800	16	(81,52-8)	32	1108016	800	16	(81,52-8)	35,2
909016	900	16	(81,52-8)	32,4	1009016	900	16	(81,52-8)	36	1109016	900	16	(81,52-8)	39,6
9010016	1000	16	(81,52-8)	36	10010016	1000	16	(81,52-8)	40	11010016	1000	16	(81,52-8)	44
9010016	1100	16	(81,52-8)	39,6	10011016	1100	16	(81,52-8)	44	11011016	1100	16	(81,52-8)	48,4
9012016	1200	16	(81,52-8)	43,2	10012016	1200	16	(81,52-8)	48	11012016	1200	16	(81,52-8)	52,8

10 + 10 mm Laminated Glass

90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]	90 cm GLASS HEIGHT	LENGTH mm [W]	GLASS WIDTH [T]		WEIGHT [KG]
9010-20	100	20	-101,521	4,5	10010-20	100	20	-101,521	5	11010-20	100	20	-101,521	5,5
9020-20	200	20	-101,521	9	10020-20	200	20	-101,521	10	11020-20	200	20	-101,521	11
9030-20	300	20	-101,521	13,5	10030-20	300	20	-101,521	15	11030-20	300	20	-101,521	16,5
9040-20	400	20	-101,521	18	10040-20	400	20	-101,521	20	11040-20	400	20	-101,521	22
9050-20	500	20	-101,521	22,5	10050-20	500	20	-101,521	25	11050-20	500	20	-101,521	27,5
9060-20	600	20	-101,521	27	10060-20	600	20	-101,521	30	11060-20	600	20	-101,521	33
9070-20	700	20	-101,521	31,5	10070-20	700	20	-101,521	35	11070-20	700	20	-101,521	38,5
9080-20	800	20	-101,521	36	10080-20	800	20	-101,521	40	11080-20	800	20	-101,521	44
9090-20	900	20	-101,521	40,5	10090-20	900	20	-101,521	45	11090-20	900	20	-101,521	49,5
90100-20	1000	20	-101,521	45	100100-20	1000	20	-101,521	50	110100-20	1000	20	-101,521	55
90100-20	1100	20	-101,521	49,5	100110-20	1100	20	-101,521	55	110110-20	1100	20	-101,521	60,5
90120-20	1200	20	-101,521	54	100120-20	1200	20	-101,521	60	110120-20	1200	20	-101,521	66



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