

WEAVING INFINITE POSSIBILITIES

ARGGER APPLIC

DESIGN

Understand your ideas. Exceptional performance inspires more.. SOLVE

Seek the best solution. Draw bridge to the future projects.

SERVICE

Provide all-around services. Make your ideas come into reality.



ARGGER

WEAVE LIMITLESS POSSIBILITIES

Argger architectural metal mesh has developed hundreds of mesh patterns with limitless of specifications. They can help designers to find the ideal material and designs to state their concept and help architects to become the forever memory of history.



WHY ARCHITECTURAL MESH



Beautiful. Different materials and finishes supply visual feast and make projects extraordinary.



Functional.

Argger metal meshes have limitless of functions, including ceilings, partitions, facades, handrails, furniture.



Sustainable

All Argger architectural mesh is 100% recyclable and will not cause any pollution to environment.





Ag-Crimped Muses

Ag-Weave Spacing Athena



Healthy.

Argger metal fabrics doesn't release formaldehyde and will not harm to human health.



Durable.

All Argger metal meshes are rust and corrosion resistance for an extra long service life with bright surface.



Maintenance Free.

Once you install them, there's no need to maintain them to save your maintenance costs.



Ag-Link Hephaistos **Ag-Spiral** Triton



------ Weave Limitless Possibilities

Argger architectural metal mesh has developed hundreds of mesh patterns with limitless of specifications. They can help designers to find the ideal material and designs to state their concept and help architects to become the forever memory of history.





Ag-Weave Close Apollo







ARGGER Muses

Our Muses series architectural meshes have crimped and rigid structures, which can be used for both exterior and interior projects.

Stainless steel, copper, brass and other materials can satisfy most of applications. Different finishes supply modern, antique and other striking visual enjoyment.

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20% to 75% open areas

facades, security screens,

elevator cabs and other

Muses-1724



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Muses-5025

Muses-1240D



Muses-3134

Muses-2314D





Muses-2015D



Muses-1585

Muses-1520D

Muses 2726

Muses-3020

Muses-3227

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Muses-7221-S



Muses-7221-C



Muses-1621D



Muses-1519D



Muses-2023D



Muses-2045



Muses-1220D



Muses-1535







Muses-1015D



Muses-2035-BZ

Muses-2035-S





Muses-3865

Muses-1118D



Muses-1040





Muses-3088

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UÚU, 100

Muses-3070

Muses-31100D



Muses-10070

Muses-3033

Muses-1120D

Muses-2528



Muses-0388



Muses-2817



Muses-2419

Muses-1963-C



Muses-3038D

Muses-15R20D

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Muses-3230-S





Muses-4910D



Muses-6853



Muses-1963-B



Muses-3060



Muses-4920D









Partition



Ceiling



Furniture



Safety & Security



Interior Design

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ARGGER Athena

Our Athena series architectural meshes have rigid and flexible structures, which combines steel rods and steel ropes together. You can adjust the rod and rope pitch and material to achieve extraordinary visual affects.

Athena series decorative meshes are available for both interior and exterior designs for partition, ceiling, facade, security fences and decorative elements.



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Athena-40510D-C



Athena-40105D





Athena-0942D

Athena-40510D-S

<u>(</u>%)-

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excellent air and light

Athena-2028D



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Interior Design



Ceiling



Facade

Wall Covering





Safety & Security



Partition

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ARGGER **Apollo**

Our Apollo series architectural meshes have tightly weave and rigid structures, which are widely used in interior designs as wall covering, elevator cab screens and partitions. Stainless steel, copper, brass and other materials can satisfy most of applications. Modern, antique and more striking visual surface can be satisfied.





Apollo-6012D-B

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Apollo-6012D-S



Apollo-4015D









Apollo-1520D





Apollo-2020D-B



Apollo-1419D

Apollo-4215D

Apollo-1549D-C



Apollo-4115D



Apollo-2715D-C





Apollo-2020D-S



IAMMANNANANANA

Apollo-15520D

Apollo-4415D



Apollo-3315D



Apollo-3030D



Apollo-1549D-S





Apollo-3012D



Apollo-3090D



Apollo-2415D









Apollo-1230D









Apollo-1515D



Apollo-3060D



Elevator Cab

APPLICA



Furniture



Partition



Apollo-4020D





Wall Covering



Interior Design

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ARGGER *Hephaistos*

Hephaistos series architectural mesh features flexible but functional interlock ring structures. Different ring sizes and arranges endows different beauty and adapt to different environments and design styles.

Stainless steel material guarantees the long-term use without worrying corrosion problems. Besides, it needs little maintenance during its long lifespan. Hephaistos architectural metal mesh is popular in interior curtains, partitions, ceiling hangings and other interior design elements



Hephaistos-0647



Interior Design

APPLICATION



Partition



Furniture



Wall Covering



ARGGER **Triton**

Triton series architectural mesh is our new but popular decorative materials. It

has two different mesh patterns: conveyor belt meshes and chain link meshes.

partition fences while the chain link meshes are popular in mesh curtains and

The conveyor belt meshes are popular materials in parking screens and

The Triton decorative architectural meshes mainly adopts two materials: stainless steel material supplies durable and strong material to withstanc high wind and outdoor exposure.

And aluminum material permits more color possibility to match different interior decoration

partition fences.

styles and designs.







Triton-1044

Triton-1095

Triton-1373



Wall Covering

APPLICATION



Interior Design



Parking Screen



Facade

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ARGGER **Astraios**

Astraios architectural mesh, made of aluminum material, features lightweight structure, which make installation easy and fast. Astraios series meshes are ideal mesh cladding materials in various designs. They are available in various colors through anodic oxidation surface treatment.



Argger Astraios architectural mesh is durable to withstand heavy winds, extreme weathers and exposure to the sun.





Facade

APPLICATION



Hope our Astraios architectural mesh contribute to your extraordinary project designs.



Astraios-4018

Astraios-2020









Safety & Security



Ceiling



Interior Design

Wall Covering

Furniture



Partition



Parking Screen

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How to **Install Argger** architectural mesh **Partition Quickly?**

Architectural mesh partition installation varies as accessories change. Here we list detailed installation steps and accessories required to help you know better about our products.

Cylindrical Shroud & Brackets



- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric mechanically from the top and bottom brackets.



Cylindrical Shroud & Springs

Woven-In-Bar (WIB) with Hooks & Springs

- 1 Make the architectural mesh fabric pass through a defined envelope.
- 2 Terminate both ends of the metal fabric within the cylindrical shrouds.
- 3 Use the bar in the cylinder to permanently secure the mesh fabric.
- 4 Tension the mesh fabric with a hidden spring system at the bottom.

Top Mounting Mesh Details Bottom Mounting

- incorporate round bars into the top, bottom and middle pa
- 2 Insert the top round bar into triangular fastening brackets to hang the mesh fabric.
- 3 Integrate intermediate round bars with triangular pivoting brackets into the mesh fabric to stabilize vertical tension and horizontal movements.
- Insert the bottom round bar with eye bolts into the mesh fabric and connect eye bolts with tension springs. Fasten these springs onto the bottom brackets to apply pre-tension to the fabric and reduce the tension force on the structure.



1 Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.

Flat Tension Profile with Clevis

- Incorporate round bars into the top, bottom and middle part of the metal fabric to replace woven weft wires.
- 2 Connect the top round bar with eyebolts and then tension and fix eyebolts to continuous substructure profile with nuts or with fastening brackets.
- 3 Warp wire connectors around intermediate round bars located behind the mesh fabric and hold the mesh fabric from the backside.
- (4) Insert the bottom round bar with eyebolts into the mesh fabric and connect eyebolts with tension springs. Fasten these springs onto the bottom brackets or a continuous substructure to tension the panels.



- 1 Attach the clevis bolts to the top tension profile, leaving two clevis bolt openings available.
- Secure the clevis bolts to the flat tension profile with self-locking nuts.
- Place the mesh roll into the cradle and attach the lifting tools to the clevis bolt openings mentioned in step 1.
- bottom and two helpers shall guide the mesh roll to avoid movement when unrolling.
- 5 Attach the top clevis bolts to the top substructure profile.
- 6 Repeat Step 1, Step 2 and Step 5 to attach the bottom clevis bolts.
- Compress the pressure springs in the bottom substructure profile to pre-tension the mesh fabric.
- (8) Warp wire connectors around intermediate round bars located behind the mesh fabric and fasten the mesh fabric from the backside.



(2) Use a crane to lift the mesh roll, the mesh roll will unroll within the cradle automatically. Attach a rope on both ends of the

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Extended Loops & Eyebolts

Extended Loops & Hooks at Top

- 1 Make cables extend beyond the mesh fabric to form extend loops and secure these loops with loop clamps.
- 2 Make the round tensioning bar pass through the loops and through eyebolts at the top and bottom respectively, and secure the bar to a bracket or fixture with threaded lock nuts.
- 3 Make sure the spacing between loops are equal and tension forces are well distributed.

- 1 Make cables extend beyond the mesh fabric to form extend loops and secure these loops with loop clamps.
- 2 Make the round tensioning bar pass through the loops and cradle the bar into triangular fastening brackets at the top.
- 3 Make the round tensioning bar pass through the loops and eyebolts and secure eyebolts to a bracket or fixture with threaded locking nuts at the bottom.
- 4 Make sure the spacing between loops are equal and tension forces are well distributed.



Eyebolts

Flat & Angle with Threaded Rod

1 Attach eyebolts to the cross rod of the mesh fabric.

2 Tension the mesh fabric to a structural steel flange with turnbuckles or nuts.

1 Clamp the mesh fabric with flat and angle bars with a threaded rod.

2 Weld threaded rods to the angle bar for tensioning by turnbuckles or nuts.





Flats with Flat Eye

Flats with Clevis

1 Clamp both ends of the mesh fabric with flat bars.

2 Bolt flat eyes in between the flat bars for tensioning by turnbuckles or nuts.

1 Clamp both ends of the mesh fabric with flat bars.

2 Attach clevises with threaded rods to the flat bars for tensioning by turnbuckles or nuts.







Flats, Clevis & Binding Rod

Reinforced Internal Flat Bar

- 1 Fold the mesh fabric over a binding rod.
- 2 Clamp both ends of the mesh fabric with flat bars.
- 3 Attach clevises with a threaded rod to the flat bars for tensioning by turnbuckles or nuts.

- 1 The woven in flat bar serves as a connecting member to attach the mesh fabric to the top and bottom brackets.
- 2 Attach clevises with a threaded rod to the flat bars for tensioning by lock nuts.





Angle Steel & Frame

1 Clamp tight and bolt the mesh fabric into a frame made of flat and angled bars.

2 Mesh fabric is not tensioned to assure flatness.



U-Binding Frame

- 1 Use a frame with U- channels to envelope the mesh fabric.
- 2 Weld and secure the mesh fabric in place.



Fixed System

- 1 Use the tension clamp to clamp both end of the architectural mesh.
- 2 Install the clevis bolts onto tension clamp and fasten them to the tension profile.
- 3 Adjust the clevis bolts for precise tension of each horizontal elements.
- Adjust or minimize the sagging of each mesh element through setting the required tension.



Removable System – Without Sagging

- 1 Tie the architectural mesh onto frames. To avoid sagging, the architectural mesh should be tied onto the frame under pretension condition.
- 2 Fix one side of the frames onto the suspension with hinge.
- 4 When needed, remove the shoulder bolt, and panel hinged open for access (repairing, maintaining or installation).



3 Use the hexagon key to access through the mesh and fix the other end of frame onto suspension bracket with shoulder bolt.

Ceiling Suspension System

Elevator Panel System

- 1.Frame structures will be laser cut into flat fins or any designed suitable shapes at the factory.
- 2 2.Install the laser cut frame structures onto the round bars.
- 3 3. Tie the architectural mesh onto structure frames with stainless steel tying wires.
- 4. Fasten the round bars onto hangers from the roof trusses.

1 Fasten the architectural mesh to an aluminum backer.

- 2 Warp the edges of the architectural mesh fabric in a brushed J-trim.
- 3 Hang the architectural mesh on a typical wall substrate with Z-clips or similar hardware.







Fixed Track

- 1 Insert the mesh fabric into the predrilled holes on the rod.
- 2. Hook the rod into the ceiling hook.
- 3 Install the ceiling hook onto the ceiling.

Cambered Track

- 1 Insert the mesh fabric into the predrilled holes on the T-track.
- 2 Install the T-track onto the ceiling.





Flexible Track

- 1 Slip pulley wheel into the track.
- 2 Fix the track head at both ends.
- 3 Confirm the gap of mesh curtain folds.
- 4 Connect and fix the track, mesh curtain and metal chain by screws.
- 6 Install the connection for track and wall.





ARGGER APPLICATION CATALOG



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