

Adds Value to Metal

Metal Suspended Ceiling Systems











+50 MORE THAN 50 COUNTRIES EXPORT ANB is over the world



The world's leading expanded & perforated metariels business.

We manufacture and distribute a diverse range of superior Expanded & Perforeted Metarials products. Which are used extensively in filter and construction, industrial projects of all sizes, all across the world. Our Global Footprint Our operations span 50 countries, on four continents.

SHOWROOM



Tou can find our creations that we have designed from our product range in different colors that appeal to different sectors. If you have a project that you want to realize, you can visit our shoeroom and see our products more closely.

ABOUT US



As ANB Metal, we have started to offer services within the scope of expanded metal, perforated metal, laser cut, and façade products with our accumulated years of experience, superior work and quality production since 1992.

While our priority is always customer satisfaction, we achieve 'superior brand status' in processing metal products compatible with your project.

In addition to steel, galvanize and aluminum materials, we focus on the method of expanding to different types of metals such as stainless steel, titanium and copper. With the advancing technology, we are bringing new methods to metal in different and other dimensions.

We offer you metallic solutions with superior equipment with our expert team and our advanced technology devices and tools we use. With the metal products we have designed for use in exterior facades, suspended ceilings, walkways, fences, walls and lighting, industry and decoration areas. With the metal products we have designed for use in exterior facades, suspended ceilings,



walkways, fences, walls, lighting, industry and decoration areas, we serve you with shaping metal with different methods and 'adding meaning and value' to metal.

Our superior quality has been registered by Tüv-Saar with ISO9001-2015 certificate. In this context, the certificate we have, supports our reliability and high quality in a perfect way. With our EN ISO 14001-2015 Environmental Management System and Occupational Health and Safety Management System ISO 45001-2018 certificates, registered and patented machines, you can observe once again that we guide our work within the scope of sensitivity and meticulousness.

Our activities, which date back to about half a century, continue to gain different dimensions with our expanded and other metalworking arts.



PRODUSTS



EXPANDED METAL MESH

Expanded metal mesh is a type of metal mesh that is made from a single piece of metal that has been cut and stretched to form a diamond-shaped pattern. It is commonly used in industrial and commercial applications, such as fencing, grilles, shelving, and guards. It is also used in architectural applications, such as decorative separator and wall cladding.



PERFORATED METAL

Perforated metal sheet is a type of metal sheet that has been punched with a pattern of holes. It is commonly used for a variety of applications, including facade, filters, and guards. It is also used in the construction of sound enclosures, ventilation systems, and other architectural elements.



LASER CUT

Laser cut metal is a process of cutting metal using a laser beam. The laser beam is focused on the metal, which is then melted, burned, or vaporized away, leaving a clean cut edge. Laser cut metal is used in a variety of industries, including automotive, aerospace, medical, and industrial manufacturing. It is often used to create intricate shapes and designs, as well as to cut large pieces of metal into smaller parts. Laser cut metal is also used to create custom parts.

APPLICATIONS



FACADE

Expanded and perforated metal is a great choice for facade. It is lightweight, durable, and can be used to create a variety of interesting patterns and designs. It is also easy to install and maintain, making it a great choice for both residential and commercial applications. Expanded metal mesh can be used to create a modern, industrial look, or it can be used to create a more traditional rustic look. It is also available in a variety of colors and finishes.



SUSPENDED CEILING

Expanded metal ceilings are a popular type of ceiling that is made of a series of interconnected metal panels. The panels are created by expanding a sheet of metal, which creates a pattern of diamond-shaped openings that allow air and light to pass through. This type of ceiling is often used in commercial and industrial buildings due to its durability and low maintenance requirements. It can also be used in residential settings for its modern and industrial aesthetic. Expanded metal ceilings come in a variety of sizes, colors, and finishes, making them a versatile option for a range of projects.



WALKWAYS

Expanded and perforated metal walkways are strong and durable paths made from metal sheets with diamondshaped openings or holes. They're commonly used in outdoor settings such as industrial plants and pedestrian bridges due to their superior strength, slip resistance, and drainage properties. They can be customized to meet project needs and may feature handrails and non-slip surfaces for enhanced safety.



FENCING

Expanded and perforated metal fences are strong and durable fences made from metal sheets with diamondshaped openings or holes. They're commonly used in outdoor settings such as industrial plants and commercial properties due to their strength, visibility, and ventilation properties. They can be customized to meet project needs and may feature security toppings and gate for



BALCONY RAILLING

Metal balustrades are a type of railing system made from metals such as steel or aluminum. They provide safety and support while also adding aesthetic value to a building or space. They can be customized to fit specific design requirements and may feature decorative elements, handrails, and infill panels



INTERIOR Architectural interior design is th

specialized field of designing functional and aesthetically pleasing interior spaces. It involves creating unique and innovative designs that meet the needs and goals of the client, while considering factors such as budget and building regulations. It can be applied to various settings such as residential, commercial, and hospitality spaces.

MATERIALS

ALUMINIUM

Aluminum is a lightweight and durable metal that is widely used in various industries due to its corrosion resistance, conductivity, and versatility. It can be shaped into different forms and is recyclable, making it an environmentally friendly option

STAINLESS STEEL

Stainless steel is a popular material in architecture due to its strength durability, and aesthetic appeal. It is commonly used in handrails, cladding, roofing, and other applications. It is versatile, easy to maintain, and can be customized to suit different styles and design requirements.

COR-TEN STEEL

Corten is a weather-resistant steel with a higher level of resistance to atmospheric weathering than ordinary steel. Corten gets an adhesive and protective layer of rust when the panels are exposed to the outside air.

material commonly used in roofing, cladding, and decorative elements. It is valued for its unique appearance and corrosion resistance, and can be

design requirements.

COPPER

SURFACE TREATMENT

POWDER COATING

Powder coating allows us to apply any desired RAL color to our panels. It is attracted to the surface of the metal because of its static charge, then the material is heated in an oven so that the powder melts and undergoes a chemical reaction. The result is a highly durable outer layer. The layer thicknesses range from a minimum of 60 microns for indoor applications up to 120 microns for outdoor applications. Powder coatings contribute to the

desired aesthetic result and can result in a matte, satin or shiny finish.

Powder coated products excel in color fastness and have an extremely resistant top layer. The electrostatic lacquer process produces an optimum adhesive and corrosion-free surface. This ensures a long life and allows for a high degree of processing - even with sawing, drilling, and milling, the finish remains intact. We also offer an antigraffiti coating as an extra option. This top layer prevents graffiti and stickers from attaching to the material.

ANODIZING

corrosion, resulting in a wear-resistant product with an almost unlimited lifespan and minimal maintenance. It won't turn black and is resistant to most chemicals and solvents, yet the appearance of the aluminum is retained. Anodizing accelerates the aluminum oxidation process, converting the top layer of aluminum to alumina. The thickness of the top layer depends on whether it is to be used inside or outside. Anodized aluminum can be manufactured naturally in a matte or shine finish, and colours, such as bronze,

STEEL

Steel is a strong, durable, and versatile material commonly used in structural applications such as beams, columns, and frames, as well as in cladding and roofing systems. It is cost-effective, easy to maintain, and can be customized with a range of finishes to suit different architectural styles and designmaintain. and can be customized with a range

Copper is a durable and versatile customized with a range of finishes to suit different architectural stules and

BRASS

styles and design

Brass is a durable and versatile material commonly used in architecture and interior design. It has a unique golden appearance and is commonly used in decorative elements and architectural details. Brass is corrosion-resistant and easy to maintain, making it a popular choice for high-traffic areas. It can be customized with a range of finishes to suit different design aesthetics and requirements.

of finishes to suit different architectural

Anodizing protects aluminum against

silver or gold can be added.

GALVANIZING

Galvanized steel is protected against erosion and has a very wear - and shock - resistant protective layer. Thermal galvanization provides a thick, even layer all over the panels. Small damage to a depth of about 3 millimetres will not affect the life of galvanized panels.

Thermal galvanizing involves immersing steel in a low-grade liquid zinc at 450 °C. This protects all exterior and inner areas of the structure equally. The steel and zinc bond together to form a galvanized alloy sealed by a layer of pure zinc. Galvanized products are very durable, almost maintenance-free and offer maximum protection at a minimal cost. Galvanized steel can be used outside and can be coated in any colour.



SERVICES





DESIGN

ANB Metal provides unique design services to architects, contractors and project owners in architectural projects that can ensure a successful progress in the projects.

Projects can be completed smoothly with rational designs, taking into account efficiency and costeffectiveness, which saves costs for your project.

Our well-organized development processes, in addition to providing ease of communication and cooperation, enable the parties involved in the project to anticipate potential risks and defects therefore provide immediate solutions.

ENGINEERING

The engineering team of ANB Metal is one of our powerful departments that provides unique system solutions for complex architectural projects.

This helps to optimize the production stages to provide users with premium metal products and helps them complete safe installations with trouble-free development.

Our customers are diverse, including contractors, architects, designers, engineers and project owners.

ANB Metal, has a wide knowledge of design, engineering, manufacturing and assembly, as well as experience in all aspects of a project. Our engineering team can provide projects with cost-effective solutions to minimize the cost of building keeping high quality standards.



INSTALLATION

Conduct a site assessment and work with the design team to develop detailed plans and specifications. Fabricate the panels to the required dimensions and specifications, then prepare the installation site by ensuring it is clean, level, and free of debris. Install the panels according to the plans using appropriate attachment methods, ensuring that each panel is securely attached and aligned correctly.

Periodically inspect and maintain the panels to ensure they function as intended and remain free of defects. It is important to note that the specific steps for panel installation may vary depending on the project requirements and materials being used, so consult with a professional installer or contractor for guidance and assistance.

MANUFACTURING



CNC BENDING

Bending sheet metal makes it possible to create a wide variety of part geometries. The angle and location of the bend can be precisely controlled, multiple bends can be placed closely in relation to each other and in different directions to create multi-bend shapes, enclosures, brackets and a variety of parts, and normally without any investment in custom tooling. This results in a high level of flexibility to create almost any shape required quickly, especially when paired with ANB Metal laser cutting service.



MEASURING AND CUTTING

The required mesh sizes in both directions are obtained directly in the cutting sections. Angled cutting makes it possible to produce the shapes envisioned in the project drawings. Even in the case of mesh with a module larger than 100 mm, we are able to ensure image integrity. We highly recommend working on half or full mesh to keep this integrity.



LASER CUT

laser cutting methods for fast and precise melting and burning of metals. Using the latest software and engineering technology, our professional team can arrange the tailoring and delivery of your order exactly according to your specifications.

ROLLS & PANELS

Rolls and panels being available

expanded metal and perforated metal

according to customer requirements.

in stock, we are able to produce



As we have invested in high-tech



can even.



FLATTENING

Certain types of mesh can be "flattened", i.e. completely rolled flat after expansion, thus returning to the original thickness of the raw material.



MATERIALS & FINISHES

We are able to manufacture expanded metal and perforated metal from aluminum, mild steel, galvanized or stainless steel, titanium, nickel, copper, corten.

We help you determine the best surfaces and colors for indoor or outdoor use. You can choose any surface coatings such as eloxal or powder coating. We manage the finishing of your parts, ensuring an exact match with the color you have chosen.



curved to specification, bearing in mind the stiffness of the mesh module. Some of the thinner types of mesh



TRIMS

Panels can be created from expended mesh by adding special borders, which can also be used to fix the panels to the underlying structure.



WELDING

We have the ability to efficiently and consistently produce high-quality welding.



Ceylanlar Metal Suspended Ceiling Systems

Ceylanlar Metal Ceiling Systems create a pleasant environment in office buildings, train stations, hotels, and airports. They absorb sound, provide the desired effect of light, are aesthetically pleasing, and enhance the overall living environment.

Key Features:

- Lightweight
- Fire resistance
- Heat insulation
- Acoustic isolation suitable for acoustic textile applications
- Sustainable solution with a long life cycle
- Durability for high-traffic areas
- Compatible with integration of LED lighting, heating/cooling nozzles, sprinklers
- Easy installation, demountable
- Customizable detailing, sizing, surface coatings available
- Access removable ceiling tiles provide easy access when necessary



Metal Ceiling Systems are integrated with lighting, ventilation, heating systems, and sprinkler systems. We produce a wide range of models, colors, and sizes as standard. Our own design and manufacturing departments tailor-made ceiling systems according to measurements to obtain a unique system suitable for your building; we design, manufacture, supply, and install.

deline Ponel

Ceiling Panel Types:

CASSETTE TYPE A

WELDED TO FRAME EDGE



This is an application where the frame is welded to the edges of the expanded panel. The edges of the expanded metal mesh panel are not bent. When viewed from the outside, the frame details are not visible. The products are welded onto the thickness side of the frame.

CASSETTE TYPE C WELDED UNDER FRAME



The frame made from a single-piece cutting panel is welded underneath onto the expanded sheet.

It is suitable for all types of mesh and can be used with all ceiling systems.



CASSETTE TYPE B

WELDED FROM CURVED EDGE



The mesh wraps around the frame in a curved manner. It is typically preferred for products with joints between the carriers. When viewed horizontally, the mesh is visible instead of the frame.

CASSETTE TYPE D

WELDED INSIDE FRAME



"It involves welding the frame made from a singlepiece cutting panel inside onto the expanded panel.

It is the preferred application when a visual frame around the panel is desired. It is suitable for all types of mesh sizes and all ceiling systems



CASSETTE TYPE E

SELF-CURVED FRAME WITH HOOK-ON



Applied by bending the Expanded Metal Mesh panels without using any profiles.

- Meshes should be pre-crimped.

- Preferably, 4x6, 6x8, 9x12, 8x16, 12x30mm openings are used.

- Since there is no frame, only the mesh is visible.

CASSETTE TYPE F

SELF-CURVED HOOK-ON



Perforated metal, laser-cut, or flat sheet panels are applied with bending. There is no need for any frame. The products are self-curved from the side with the border left.

CASSETTE TYPE I

FRAMELESS CEILING WITH BENDING



It involves the spontaneous single-panel bending of products without using any frame. It is used in lay-on ceiling types. It is preferably used with small-mesh sizes such as 4x6, 6x8, 9x12, 8x16mm.

CASSETTE TYPE G

FRAMELESS LAY-IN DOUBLE BENDED



These products are typically preferred in a cylindrical shape. Raised meshes are generally not used due to their suitability for the double curved lay-in model. Small-mesh and cylindrical meshes are preferred, with eye sizes typically ranging from 4x6, 6x8, to 8x16mm. They are commonly used in T24 and T15 systems.

CASSETTE TYPE H

FRAMELESS SELF-DOUBLE BENDED



It is applied by bending perforated metal or lasercut panels. It is used in Lay-In T-24 and T-15 carrier suspended ceilings.

CASSETTE TYPE K

LAY-ON U-CLEATED



In Lay-On U-Cleated meshes, frames are welded in strips along the long edges of the products. They are used in dimensions of 600x600mm and 600x1200mm. They are compatible with all desired mesh sizes and commonly used in T-24 systems.



CASSETTE TYPE J

FRAMELESS BENDED



It is applied by bending perforated metal or laser-cut panels. It is used in lay-in T-24 carrier suspended ceilings.



T24 LAY-IN SYSTEM

SYSTEM 1 CASSETTE TYPE G EXPANDED METAL MESH SYSTEM 1 CASSETTE TYPE H PERFORATED METAL

Suspended Ceiling Systems

Lay-in System

T24 LAY-ON SYSTEM

Suspended Ceiling Systems

Lay-on System

Hook-on System

Hook-on

"Hook-On systems extend beyond standard dimensions in spaces, offering diverse appearances in design. In the Hook-On system, plates hanging downwards are mounted onto the concealed J carrier, which is hooked vertically onto the main L carrier. Due to the concealed J carrier system and the joining method of the panels, Hook-On provides a natural, uninterrupted appearance. Its special shape allows for easy assembly and disassembly. Different sizes can be used together.

With Hook-On systems, designing custom-sized panels is much easier and safer. The Hook-On panel is suspended crosswise onto the main L-shaped carrier and onto the hanging J cross carriers.

- Due to its concealed system, Hook-On panels have a monolithic appearance.
- Installation and disassembly are very easy.
- It is possible to have panels of different sizes in a single system.

AND Metal Hook-On ceiling panels provide a clear, seamless ceiling through concealed S-hook-in systems. Panels are available in various sizes, perforations, and colors. Like other panels, Hook-On panels can be easily disassembled.

The Hook-On system is an ideal solution for busy areas such as offices, airports, and stations.

Technical Specific	ations:
Panel Material:	Galvanized steel, stainless steel, and al
Frame Detail:	Hook-on frame
Thickness:	0,5 to 3,0 mm
Beam:	200 mm - 1200 mm
Length:	200 mm - 3000 mm
Acoustics:	High sound absorption values up to w:
Moisture Resistance:	Galvanized panel: 90% RH, Aluminum p
Paint:	RAL9006, RAL9010, and RAL9016, othe
Hygiene:	Special antibacterial paint can be applied
Opening Size:	4,5x6x0,8x0,8, 5x10x1x1,25, 6x8x1x1, 7x
	10x20x1x2, 10x28x1x2, 12x28x1x2, 12x3
	23x62x1x4, 25x75x1x5 mm

Hook-on Corridor

AND Metal Hook-On Corridor panels are specially designed for corridors. These panels are available in various sizes and options. Corridor panels, fully compatible with Hook-On profiles and accessories, can be easily disassembled. Panels can be manufactured according to the specific dimensions of each room. There is minimal material loss during installation.

Ball resistant ceilings - for GYMS

ANB Metal also provides special versions of the Hook-On ceiling system, which are reinforced with extra fastening clips. This makes the suspended ceiling highly resistant to impacts and very suitable for use in gyms and sports facilities. Metal ceilings are resilient against impacts and offer good sound absorption.

luminum

1.00 with acoustic fabric

panel: 100% RH

er RAL colors and NCS colors are available upon request.

ed for places where hygiene is important.

x10x1x1,6(S), 8x16x1x1,5, 8x16x1x2, 8x16x1x2(S), 10x20x1x1,5, 80x1x2, 12x42x1x3, 14x42x1x2,5, 20x40x1x3, 20x62x1x2,5,

Lay-in System

It is manufactured to be compatible with T-24 Lay-In and Ultraline channel carriers. Fixed to standard 600x600mm dimensions, it can be easily installed. Small-mesh expanded metal mesh is preferred, with meshes usually being produced in a cylindrical (rolled) form. This type of expanded metal mesh suspended ceiling is commonly used in airports and offices.

Providing an elegant and effective visual appeal to the area, it also offers ease of use during installation. Known for its fire resistance, the product can be disassembled after installation for use in another area.

Technical Specifications: Panel Material: Galvanized steel, stainless steel, and aluminum Frame Detail: Lay-in frame Thickness: 0,5 ila 2,0 mm 200 mm to 1200 mm Beam: 200 mm to 3000 mm Length: High sound absorption values up to w: 1.00 with acoustic fabric Acoustics: Moisture Resistance: Galvanized panel: 90% RH, Aluminum panel: 100% RH Paint: colors upon request. Hygiene: Special antibacterial paint can be applied for places where hygiene is important. **Opening Size:** 23x62x1x4, 25x75x1x5

Thanks to the special paint content, this product achieves high performance in preventing bacterial formation, thereby creating more hygienic spaces. After easy installation, access to the ceiling can be facilitated by removing the panel as desired. By opting for a product that supports aesthetic integrity in use, you can benefit from these advantages. For a privileged choice in product procurement, you can seek support from our company.

RAL9006, RAL9010, and RAL9016; production is also available in all other RAL colors and NCS

4,5x6x0,8x0,8, 5x10x1x1,25, 6x8x1x1, 7x10x1x1,6(S), 8x16x1x1,5, 8x16x1x2, 8x16x1x2(S), 10x20x1x1,5, 10x20x1x2, 10x28x1x2, 12x28x1x2, 12x30x1x2, 12x42x1x3, 14x42x1x2,5, 20x40x1x3, 20x62x1x2,5,

Lay-on System

Mesh products, produced to be compatible with standard T-24 Lay-On carriers, are easy to install. They can be easily disassembled and reassembled, providing flexible usage. They can be manufactured in standard sizes of 600x600 and 600x1200 and are often the most commonly used type of expanded metal mesh suspended ceiling. The product is prepared to accommodate heavy load capacities and is also presented as an aesthetic solution.

Technical Specific	ations:
Panel Material:	Galvanized steel, stainless steel, and al
Frame Detail:	Lay-in frame
Thickness:	0.5 to 2.0 mm
Beam:	200 mm - 1200 mm
Length:	200 mm - 3000 mm
Acoustics:	High sound absorption values up to w:
Moisture Resistance:	Galvanized panel: 90% RH, Aluminum p
Paint:	RAL9006, RAL9010, and RAL9016, othe
Hygiene:	Special antibacterial paint can be applie
Opening Size:	4,5x6x0,8x0,8, 5x10x1x1,25, 6x8x1x1, 7x1
	10x20x1x2, 10x28x1x2, 12x28x1x2, 12x30
	23x62x1x4, 25x75x1x5

Features

The feature of easy disassembly allows access to the ceiling when needed. In addition to standard sizes and colors, the product can be manufactured in RAL colors and different size options. It is also resistant to situations like fire. Being long-lasting and high-strength, it is an economical choice. There is no drawback to accommodating this preference as it can be disassembled and used in another area when needed. The product, prepared with a special paint system, offers high performance in preventing bacterial formation.

uminu

1.00 with acoustic fabric

panel: 100% RH

er RAL colors and NCS colors are available upon request.

ed for places where hygiene is important.

10x1x1,6(S), 8x16x1x1,5, 8x16x1x2, 8x16x1x2(S), 10x20x1x1,5, 0x1x2, 12x42x1x3, 14x42x1x2,5, 20x40x1x3, 20x62x1x2,5,

HOOK-ON SYSTEM **CASSETTE TYPE A**

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Bottom view

HOOK-ON SYSTEM CASSETTE TYPE B

EXPANDED METAL MESH

Cross-section

Longitudinal section

Bottom view

HOOK-ON SYSTEM **CASSETTE TYPE**

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Top view

HOOK-ON SYSTEM **CASSETTE TYPE**

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Top view

HOOK-ON SYSTEM **CASSETTE TYPE E**

EXPANDED METAL MESH

Cross-section

Longitudinal section

Bottom view

HOOK-ON SYSTEM CASSETTE TYPE F

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Top view

HOOK-ON SYSTEM (JOINTED) CASSETTE TYPE A

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Bottom view

HOOK-ON SYSTEM (JOINTED) CASSETTE TYPE B

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Bottom view

HOOK-ON SYSTEM (JOINTED) CASSETTE TYPE C

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

Bottom view

HOOK-ON SYSTEM (JOINTED) CASSETTE TYPE D

EXPANDED METAL MESH

Cross-section

Longitudinal section

Top view

HOOK-ON SYSTEM (JOINTED) **CASSETTE TYPE E**

EXPANDED METAL MESH

Cross-section

Longitudinal section

Bottom view

HOOK-ON SYSTEM (JOINTED) CASSETTE TYPE F

PERFORATED METAL

Cross-section

Longitudinal section

Section detail

Top view

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE A

EXPANDED METAL MESH

Top view

Cross-section

Longitudinal section

Section detail

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE B

EXPANDED METAL MESH

Top view

Cross-section

Longitudinal section

Section detail

Bottom view

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE

EXPANDED METAL MESH

Top view

Cross-section

Longitudinal section

Section detail

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE D

EXPANDED METAL MESH

Top view

Cross-section

Longitudinal section

Section detail

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE E

EXPANDED METAL MESH

Top view

Longitudinal section

Section detail

HOOK-ON SYSTEM CORRIDOR CASSETTE TYPE F

PERFORATED METAL

Top view

Cross-section

Longitudinal section

Section detail

T24 LAY-IN SYSTEM CASSETTE TYPE G

EXPANDED METAL MESH

Cross-section

Longitudinal section

Top view

T24 LAY-IN SYSTEM CASSETTE TYPE

PERFORATED METAL

Cross-section

Longitudinal section

Section detail

Top view

T24 LAY-ON SYSTEM CASSETTE TYPE I

EXPANDED METAL MESH

Cross-section

Longitudinal section

Section detail

T24 LAY-ON SYSTEM CASSETTE TYPE J

PERFORATED METAL

Cross-section

Longitudinal section

Top view

T24 LAY-ON SYSTEM CASSETTE TYPE K

LAY-ON U Slatted

Cross-section

Longitudinal section

Top view

PERFORATED METAL

Hole Arrangement

Round hole arrangement

T: Distance Between center

Hexagonal hole arrangement

T: Distance between center

Slot hole arrangement

S1: Slot hole S2: Distance between center D1: Vertical distence between center D2: Horizontal distence between center

Square hole arrangement

PERFORATED METAL PATTERNS

We have parametric 3D files for all pattern types of perforated metal, allowing you to visually evaluate the perforated metal before you even have it in your hands. Additionally, we provide you with all the basic details of each system in 2D format

C10-U15

C5-U8

R2,5-U5,5

LR5-T25

R20-U48

C5-U8

MESH DEFINITION

LWD	: Longway dimensions
SWD	: Shortway dimensions
SW	: Strand width
т	: Thickness

↓ ↓ SWD x LWD x T x SW

25 x 62 x 2 x 7 ↓ ↓

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Oper Area (%)
4.50 x 6.00 x 0.80 x 0.80	Mild Steel	4.50	6.00	0.80	0.80	2.233	24

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
5.00 x 10.00 x 1.00 x 1.25	Mild Steel	5.00	10.00	1.00	1.25	3.93	52
5.00 x 10.00 x 1.00 x 1.25	Aluminum	5.00	10.00	1.00	1.25	1.37	52
5.00 x 10.00 x 1.50 x 1.25	Mild Steel	5.00	10.00	1.50	1.25	6.73	52
5.00 x 10.00 x 1.50 x 1.25	Aluminum	5.00	10.00	1.50	1.25	2.34	52

Material

(mm)

6.00

(mm)

6.00 x 8.00 x 1.00 x 1.00 Mild Steel

Weight (kg/m²)

1.67

73

(mm)

1.00

т

Thickness (mm)

1.00

(mm)

8.00

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
7.00 x 10.00 x 1.00 x 1.60	Mild Steel	7.00	10.00	1.00	1.60	3.10	60
7.00 x 10.00 x 1.50 x 1.60	Mild Steel	7.00	10.00	1.50	1.60	4.65	60

LWD

10 11 12 13 14 15 16 17 18 attachantan harden h ىياسىك 0

Product Code SWD x LWD x T x SW (mm)	Material
8.00 x 16.00 x 1.00 x 2.00	Mild Steel

8.00 x 16.00 x 1.00 x 1.50 mm

SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LwD Long Way (mm)	Thickness (mm)	Sw Stran Width (mm)	Weight (kg/m²)	Open Area (%)
8.00 x 16.00 x 1.00 x 1.50	Mild Steel	8.00	16.00	1.00	1.50	2.94	62
8.00 x 16.00 x 1.50 x 1.50	Mild Steel	8.00	16.00	1.50	1.50	4.42	62
8.00 x 16.00 x 1.50 x 1.50	Aluminum	8.00	16.00	1.50	1.50	1.54	62

18l....l.

SWD Short Way (mm) LWD Long Way T SW Thickness Stran Width Open Area (%) Weight (kg/m²) (mm) (mm) (mm) 8.00 2.00 2.944 62 16.00 1.00

TT LWD

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
8.00 x 16.00 x 1.00 x 2.00	Mild Steel	8.00	16.00	1.00	2.00	3.93	50
8.00 x 16.00 x 1.50 x 2.00	Mild Steel	8.00	16.00	1.50	2.00	5.89	50
8.00 x 16.00 x 1.50 x 2.00	Aluminum	8.00	16.00	1.50	2.00	2.05	50

10.00 x 20.00 x 1.00 x 1.50 mm

SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	Long Way (mm)	Thickness (mm)	Stran Width (mm)	Weight (kg/m²)	Area (%)
10.00 x 20.00 x 1.00 x 1.50	Mild Steel	10.00	20.00	1.00	1.50	2.36	70
10.00 x 20.00 x 1.50 x 1.50	Mild Steel	10.00	20.00	1.50	1.50	3.53	70
10.00 x 20.00 x 1.50 x 1.50	Aluminum	10.00	20.00	1.50	1.50	1.23	70

 $\begin{smallmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 \\ \begin{smallmatrix} 0 & - \end{bmatrix}_{0}$ 10 12 -13 16 17 20 -**SCALA: 1:1**

12 13 20 —

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10.00 x 28.00 x 1.00 x 2.00 mm

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
10.00 x 28.00 x 1.00 x 2.00	Mild Steel	10.00	28.00	1.00	2.00	3.14	60
12.00 x 28.00 x 1.50 x 2.00	Mild Steel	10.00	28.00	1.50	2.00	4.71	60
12.00 x 28.00 x 1.50 x 2.00	Aluminum	10.00	28.00	1.50	2.00	1.64	60

10.00 x 20.00 x 2.00 x 2.00 mm

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
10.00 x 20.00 x 2.00 x 2.00	Mild Steel	10.00	20.00	2.00	2.00	6.280	60
10.00 x 20.00 x 2.00 x 2.00	Aluminum	10.00	20.00	2.00	2.00	2.184	60
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 $\begin{smallmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 \\ \begin{smallmatrix} 0 & - \end{bmatrix}$

12.00 x 28.00 x 1.00 x 2.00 mm

SWD x LWD x T x SW (mm)	Material	Short Way (mm)	Long Way (mm)	Thickness (mm)	Stran Width (mm)	Weight (kg/m²)	Area (%)
12.00 x 28.00 x 1.00 x 2.00	Mild Steel	12.00	28.00	1.00	2.00	2.62	66
12.00 x 28.00 x 1.50 x 2.00	Mild Steel	12.00	28.00	1.50	2.00	3.93	66
12.00 x 28.00 x 1.50 x 2.00	Aluminum	12.00	28.00	1.50	2.00	1.37	66

12.00 x 30.00 x 1.00 x 2.00 mm

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
12.00 x 30.00 x 1.00 x 2.00	Mild Steel	12.00	30.00	1.00	2.00	2.62	66
12.00 x 30.00 x 1.50 x 2.00	Mild Steel	12.00	30.00	1.50	2.00	3.93	66
12.00 x 30.00 x 1.50 x 2.00	Aluminum	12.00	30.00	1.50	2.00	1.37	66

14.00 x 42.00 x 1.00 x 2.50 mm

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
14.00 x 42.00 x 1.00 x 2.50	Mild Steel	14.00	42.00	1.00	2.50	2.60	64
14.00 x 42.00 x 1.50 x 2.50	Mild Steel	14.00	42.00	1.50	2.50	4.21	64
14.00 x 42.00 x 1.50 x 2.50	Aluminum	14.00	42.00	1.50	2.50	1.46	64

SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	Long Way (mm)	Thickness (mm)	Stran Width (mm)	Weight (kg/m²)	Area (%)
12.00 x 28.00 x 1.00 x 2.00	Mild Steel	12.00	42.00	1.00	3.00	3.93	50
12.00 x 28.00 x 1.50 x 2.00	Mild Steel	12.00	42.00	1.50	3.00	5.89	50
12.00 x 28.00 x 1.50 x 2.00	Aluminum	12.00	42.00	1.50	3.00	2.05	50
			•				

20.00 x 40.00 x 1.00 x 3.00 mm

	SWD x LWD x T x SW (mm)	Material	Short Way (mm)	Long Way (mm)	Thickness (mm)	Stran Width (mm)	Weight (kg/m ²)	Area (%)
	20.00 x 40.00 x 1.00 x 3.00	Mild Steel	20.00	40.00	1.00	3.00	2.36	70
	20.00 x 40.00 x 1.50 x 3.00	Mild Steel	20.00	40.00	1.50	3.00	3.53	70
7	20.00 x 40.00 x 1.50 x 3.00	Mild Steel	20.00	40.00	1.50	3.00	1.23	70

20.00 x 62.00 x 1.00 x 2.50 mm

Product Code SWD x LWD x T x SW (mm)	Material	SWD Short Way (mm)	LWD Long Way (mm)	T Thickness (mm)	SW Stran Width (mm)	Weight (kg/m²)	Open Area (%)
20.00 x 62.00 x 1.00 x 2.50	Mild Steel	20.00	62.00	1.00	2.50	1.96	75
20.00 x 62.00 x 1.50 x 2.50	Mild Steel	20.00	62.00	1.50	2.50	2.94	75
20.00 x 62.00 x 1.50 x 2.50	Aluminum	20.00	62.00	1.50	2.50	1.02	75

 $\begin{smallmatrix} 0 & 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 & 10 & 11 & 12 & 13 & 14 & 15 & 16 & 17 & 18 \\ \begin{smallmatrix} 0 & - \\ - \end{matrix}$

LWD

SWD x LWD x T x SW (mm)	Material	Short Way (mm)	Long Way (mm)	Thickness (mm)	Stran Width (mm)	Weight (kg/m²)	Area (%)
23.00 x 62.00 x 1.00 x 4.00	Mild Steel	23.00	62.00	1.00	4.00	2.73	60
23.00 x 62.00 x 1.50 x 4.00	Mild Steel	23.00	62.00	1.50	4.00	4.10	60
23.00 x 62.00 x 1.50 x 4.00	Aluminum	23.00	62.00	1.50	4.00	1.42	60

Mild Steel
Mild Steel
Aluminum

TT

SWD Short Way (mm) LWD Long Way (mm) SW Stran Width Open Area (%) Weight (kg/m²) Thickness (mm) (mm) 25.00 75.00 1.00 5.00 3.14 60 25.00 75.00 1.50 5.00 4.71 60 1.638 25.00 75.00 1.50 5.00 60

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