

ANPING TAILONG

HARDWARE&WIRE MESH PRODUCTS CO.,LTD

TLWY[®]
TaiLong Fence



EXPANDED METAL STRETCH MESH
EXPANDABLE MESH FENCE



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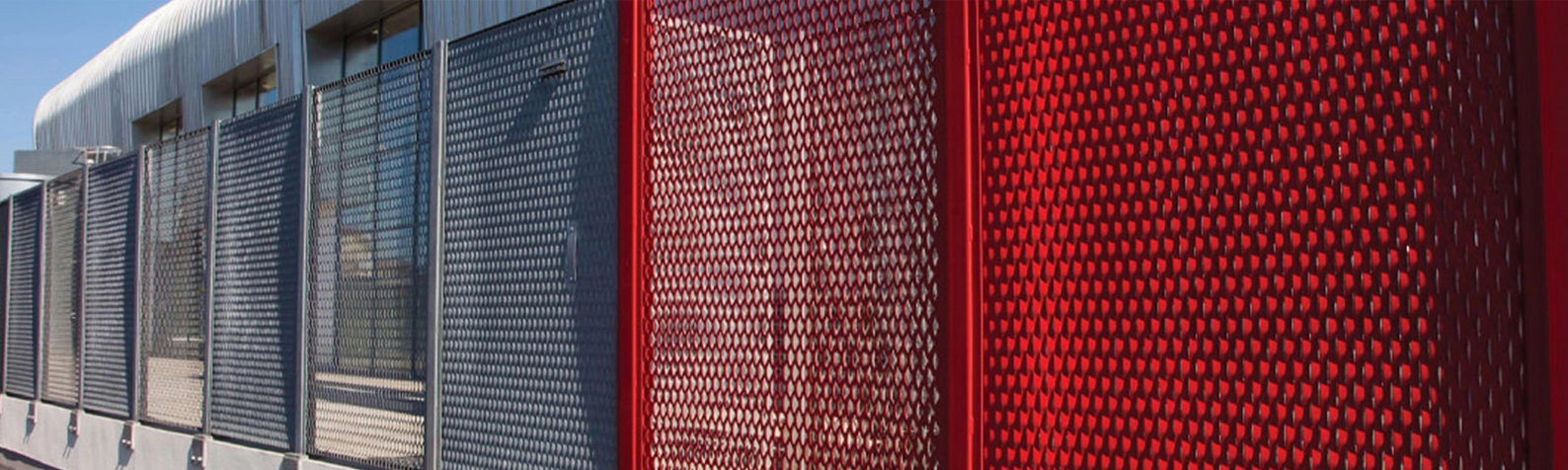


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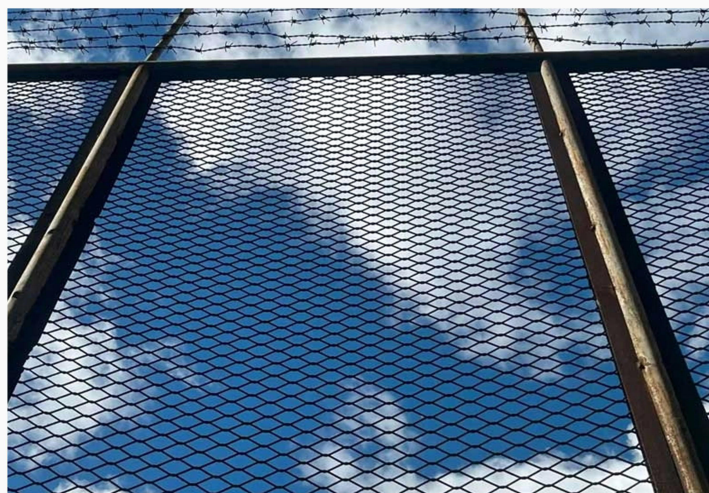


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Expanded Metal Stretch Mesh

Expanded Metal is made by slitting and stretching metal sheets to create diamond-shaped openings. This practical and versatile product line forms screens, window security panels, machine guards, and more. Decorative Expanded items are popular in shelving, signage, and ceiling tile applications. Expanded Metal is supplied in a Standard (Raised) diamond pattern or a Flattened variety, and materials include Aluminum, Carbon Steel, Galvanized Steel, and Stainless Steel. Expanded Metal Grating and Catwalk Grating are also part of our vast in-stock selection. Numerous gauges, opening sizes, and sheet sizes provide endless options that will surely fit your project requirements!





DESCRIPTION

Materials: Mild steel, galvanized steel,
304/316 stainless steel, aluminum

Sheet Thickness: 0.5mm – 8.0mm

Hole Shape: Diamond (standard), hexagonal, square

Hole Size: Short width (SWD): 5mm – 60mm;
Long width (LWD): 10mm – 150mm

Sheet Dimensions: Width: 0.5m – 3.4m;
Length: 2m – 10m (or 30m/50m rolls)

Surface Treatment: Hot-dip galvanizing, powder coating,
polishing, anodizing

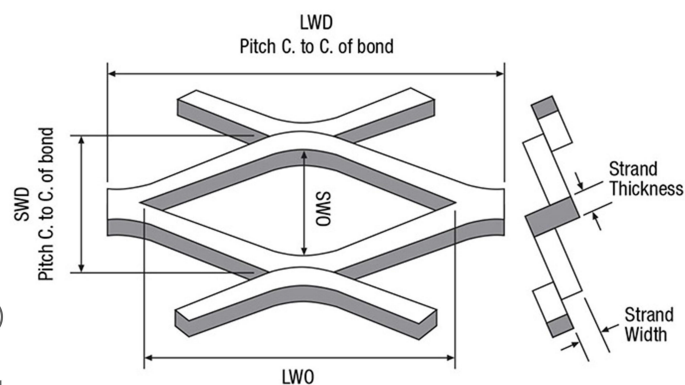
Load Capacity: Up to 200kg/m² (for 3mm steel mesh)

Lightweight: (30% lighter than solid metal sheets)

High tensile strength: (≥520 MPa for 1mm stainless steel)

Corrosion resistance: (304 stainless steel: ≥500 hours salt spray test)

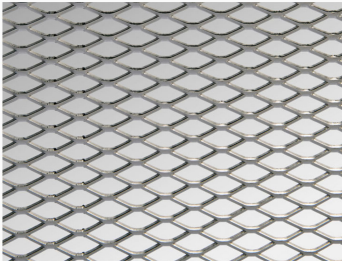
Customizable: sizes / colors / hole patterns



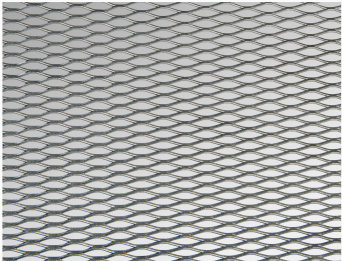


CATEGORY

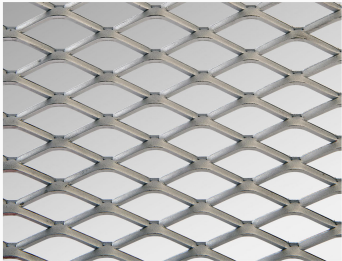
Different Opening



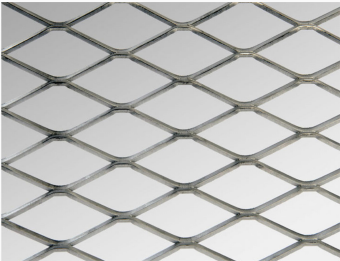
0.5 Inch Diamond Opening
768x576



0.25 Inch Diamond
Opening



0.75 Inch Diamond Opening

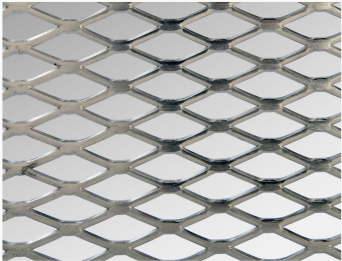


1.5 Inch Diamond Opening
768x576

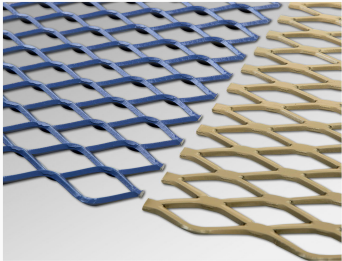
Different Types



Expanded Metal Grating

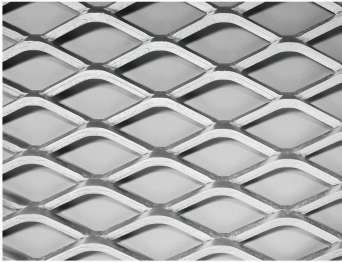


Flattened Expanded Metal

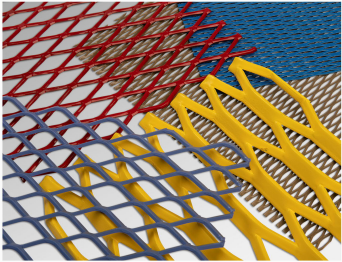


Standard Expanded Metal

Surface Treatment



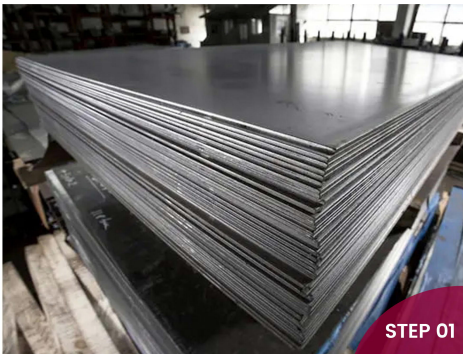
Anode Aluminum



Powder Coating



Production Flow Chart



Raw Material



Unwinding And Leveling



Punching And Stretching Forming

Package & Delivery



PACKAGE



DELIEVRY

FEATURES & APPLICATION

FEATURES

✓ Metal-saving, highly efficient manufacturing process

Compared to similar metal products (such as perforated metal that requires stamping rather than cutting and stretching the metal), expanded metal fabrication produces no metal waste.

✓ Indoor and outdoor applications

Expanded metal mesh is widely used in both indoor and outdoor environments, increasing the versatility of this metal product.

✓ Free flow of air and light

The expanded metal allows for the free flow of air and light. Liquids, dust, grease, and other substances can also pass through freely.

✓ Lightweight

Both flat metal and expanded metal are thin and lightweight.

✓ Reinforcement

Expanded metal mesh can be combined with glass, concrete, and other materials to increase strength.

✓ Enhanced acoustics and sound insulation properties

Expanded metal mesh can be used in microphones and speakers, and also as an additional layer for sound insulation in rooms and walls.

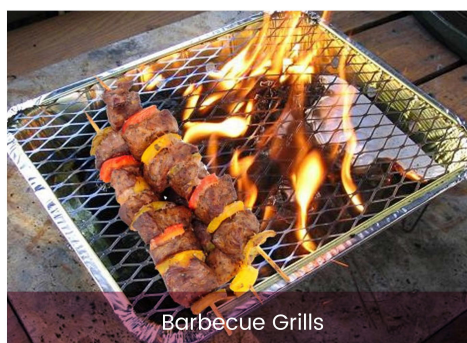
✓ Low maintenance costs

Metal grilles are easy and convenient to maintain and usually come with a rust-proof protective coating

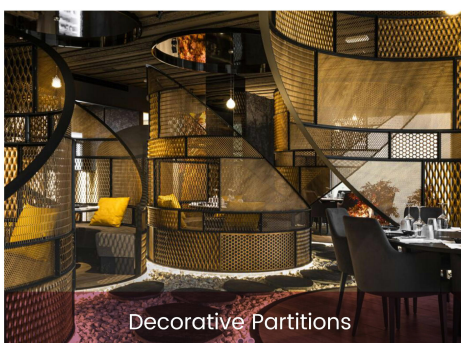
✓ High tensile strength

Compared to woven metal or welded joints, expanded metal mesh can withstand greater weight and better stress.

APPLICATION



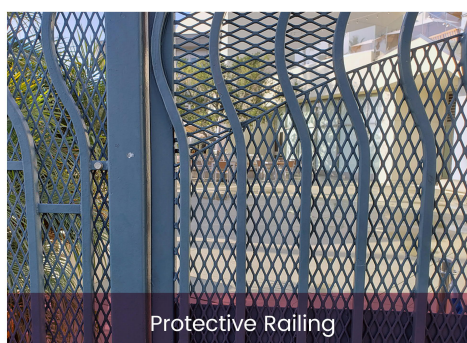
Barbecue Grills



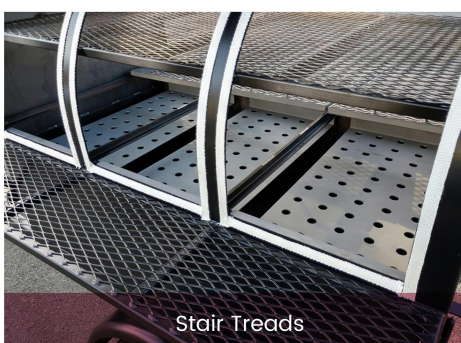
Decorative Partitions



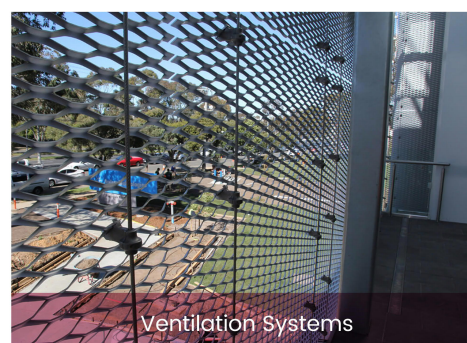
Exterior Wall Decoration



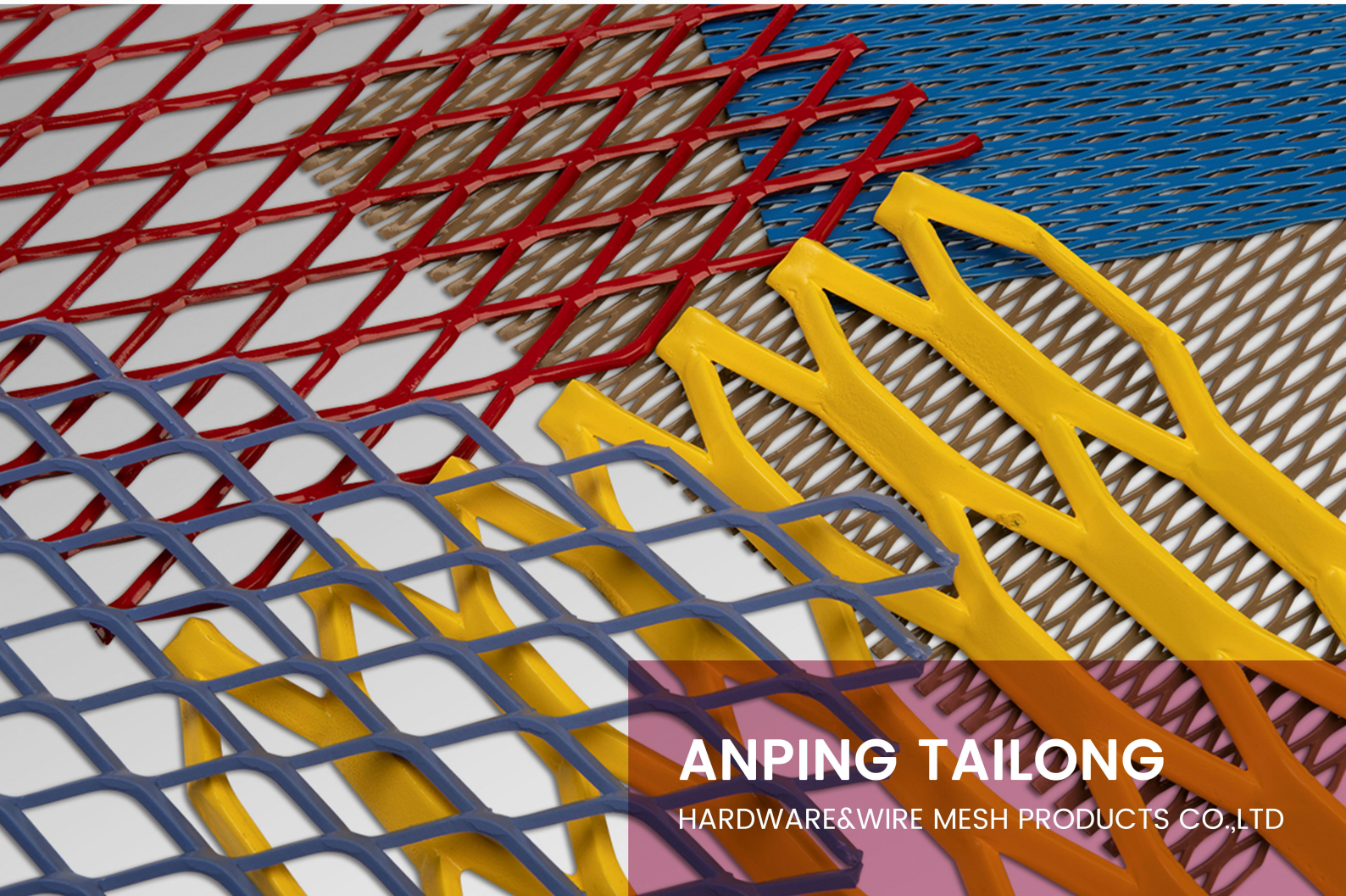
Protective Railing



Stair Treads



Ventilation Systems



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