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HORIZON METAL

Wire Mesh

Modern & Comprehensive

Your Reliable Partner for Global Wire Mesh Supply

HORIZON

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Company Profile

HORIZON METAL

Your Reliable Partner for Global Wire Mesh Supply

32,000 m^2
Manufacturing Base

150 +
Core Production Equipment

60 +
Export Countries

20 +
QC Engineers

Covering an area of 32,000 ㎡, the company operates 4 intelligent production workshops equipped with over 150 advanced machines, including automatic weaving, precision wire drawing, and environmentally friendly galvanizing lines. A complete closed-loop production system ensures strict quality control from raw materials to finished products.

Our product portfolio includes:

★ Basic Protection Products – welded wire mesh, hexagonal wire mesh, stainless steel mesh, fence systems, etc.

★ Industrial Filtration Products – micron filter mesh, filter cartridges, and customized filtration solutions.

★ Special Functional Products – nickel-chromium alloy mesh, Monel mesh, and other high-performance materials for demanding industries.

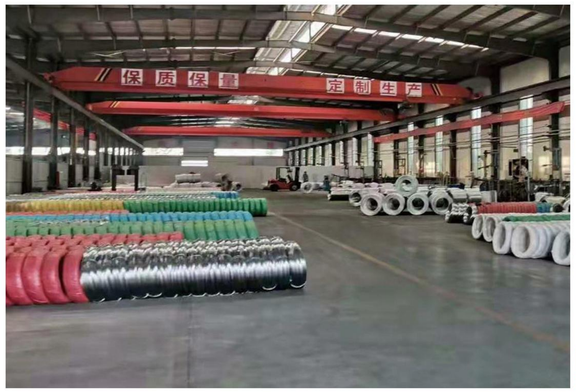
Certified by ISO 9001 and CE, supported by a professional QC team of 20+ inspectors, we maintain a product qualification rate above 99.5%.

With 5 domestic warehousing centers and 3 overseas warehouses, we provide fast and reliable service to customers across Europe, America, Southeast Asia, Africa, and beyond.

Committed to innovation and sustainability, we continue to invest in digital manufacturing and advanced wire mesh solutions for global markets.









GLOBAL MARKET



Have an extensive coverage
Our products have been exported to 16 countries along the Belt and Road Initiative.

Offer excellent after - sales service
Constantly follow up on customer feedback and provide attentive services to customers.

WIRE & NAIL

Barbed Wire



Barbed Wire is a cost-effective and highly reliable security fencing material designed to prevent unauthorized access and protect property boundaries. Manufactured from high-quality galvanized or PVC-coated steel wire, it offers excellent corrosion resistance, high tensile strength, and long service life. The sharp barbs are evenly spaced along the wire to provide an effective deterrent for security applications.

■ Type



Single strand	Twist in both directions	Ordinary Twist

■ Specifications

Surface treatment	Wire diameter	Spines	Thorn length
Electro-galvanizing, Hot-galvanizing, PVC Coated, Plastic Coated	2.6*2.6mm , 2.6*2.2mm , 2.0*2.0mm , 2.0*1.6mm , 1.7*1.7mm , 1.6*1.6mm , 1.4*1.4mm	3''-6'' (Standard size 4''-5'')	15mm

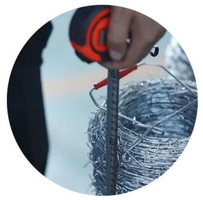
■ Processing procedure



High-quality steel wire is selected as the raw material for production.



The wire is processed and twisted on automated manufacturing equipment.



Finished barbed wire are produced, inspected, and packaged for shipment.



The products are then palletized and stored, ready for delivery to global customers.

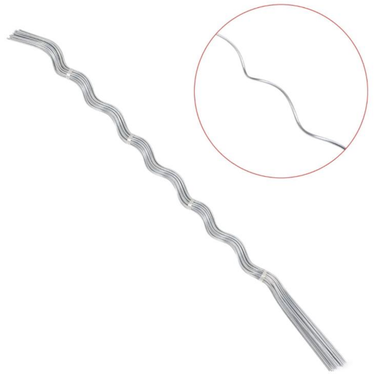
■ Applications

Usage: Used for boundary separation of pastures, railways, highways, defense, airports, fences (for grasslands, orchards), etc. for isolation and protection purposes.





Tomato Growing Spiral



Tomato Growing Spiral is a practical plant support system designed to guide and support the healthy growth of tomatoes and other climbing plants. Made from high-quality galvanized steel wire, it provides excellent strength, stability, and corrosion resistance for long-term outdoor use. The spiral design allows plants to grow naturally without the need for tying, helping improve air circulation, maximize sunlight exposure, and increase crop yield. It is widely used in home gardens, greenhouses, vegetable farms, and commercial horticultural applications.

■ Product Features

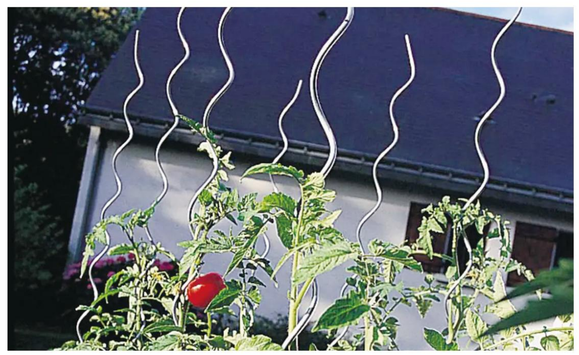
- Made of high-quality galvanized steel
- Excellent corrosion resistance
- Strong and stable support
- No tying required
- Easy installation and reuse
- Suitable for indoor and outdoor cultivation

■ Specifications

Parameter	Standard Range	Description
Material	Galvanized Steel / PVC-Coated Steel / Fiberglass-Reinforced Plastic (FRP)	Galvanized steel for cost-efficiency; PVC-coated steel for rust resistance and color variety; FRP for lightweight, non-conductive use (ideal for organic gardens)
Spiral Diameter	8cm - 15cm	Smaller diameter (8-10cm) for young/vining tomatoes; larger (12-15cm) for thick-stemmed, heavy-fruiting varieties
Total Height	60cm - 200cm	Short (60-90cm) for determinate tomatoes/containers; tall (120-200cm) for indeterminate, long-vining types
Rod Diameter (Core)	6mm - 12mm	Thicker rods (10-12mm) for maximum stability; thinner (6-8mm) for easy insertion in pots/soft soil
Spiral Pitch (Distance Between Turns)	10cm - 20cm	Narrow pitch (10-15cm) for dense support; wide pitch (15-20cm) to accommodate growing stems
Base Type	Pointed / Flat / Forked	Pointed for easy soil insertion; flat for pot stability; forked for strong anchoring in windy areas
Surface Treatment	Hot-Dip Galvanizing / UV-Resistant PVC Coating / Natural FRP Finish	Galvanizing prevents rust; PVC coating offers colors (green, brown) to blend with foliage; FRP finish is weatherproof

■ Applications

Suitable for tomatoes and other climbing plants in home gardens, greenhouses, and commercial agricultural production.





Galvanized Wire



Galvanized wire is a type of steel wire processed with a galvanization procedure to achieve outstanding corrosion resistance. It is primarily manufactured from low-carbon steel wire rods (e.g., Q195, Q235). The core production process consists of coating the surface of drawn steel wire with a zinc layer via two common methods: hot-dip galvanization and electro-galvanization. This zinc coating serves as a protective barrier, isolating the steel substrate from air and moisture, thereby effectively preventing rust and corrosion.

■ Product Features

- Excellent Corrosion Resistance
- High Strength & Durability
- Various Surface Finishes
- Wide Environmental Adaptability

■ Applications

- Construction & Infrastructure
- Agriculture
- Packaging & Daily Use
- Industrial Manufacturing

■ Specifications

Item	Key Information
Material	Low-carbon steel wire rod (Q195/Q235 as mainstream options)
Galvanization Methods	Hot-dip galvanization; Electro-galvanization
Common Wire Diameter	0.3mm - 6.0mm (commonly used range: 0.5mm - 4.0mm)
Tensile Strength	400 - 650MPa
Zinc Coating Weight	Electro-galvanized: 8 - 20 g/m²; Hot-dip galvanized: 40 - 300 g/m²
Corrosion Resistance	Hot-dip galvanized wire has much stronger corrosion resistance than electro-galvanized wire

PVC Coated Wire



Plastic wire is also called plastic coated wire (for short: PVC wire, PE wire). The product is made of high quality black wire and galvanized wire. After deep processing, the plastic and iron wire are firmly combined. It has the characteristics of anti-aging, corrosion resistance, anti cracking and so on. The service life is several times that of galvanized iron wire. The variety and color of the product can be customized according to user needs.

■ Applications

Used for tying wire in gardening, Christmas and producing net products, such as gabion box, chain link nets, etc.





■ Specifications

Wire thickness	0.55mm-5.0mm
Coat	PVC or PE
Color	green, black, white, gray and etc (on request).
Tensile strength	350Mpa-550Mpa
weight	0.5-500kg

Black Annealed wire



Black annealed wire is also called black iron wire and annealed iron wire. It is obtained from high-quality low-carbon steel wire after drawing and then through high temperature annealing treatment.It offers excellent tensile strength, easy bending performance, and reliable durability, making it ideal for binding, tying, weaving, and construction applications.

■ Applications

It's mainly used in construction binding, reprocessing, etc. After annealing, the iron wire becomes soft and the flexibility is increased. It is better to make construction binding wire, small coiled wire, cut wire, U type wire, and binding steel bar.





■ Specifications

Diameter range	Tensile strength	Coil weight	Package
BWG26-BWG6 (0.45-5.0mm)	300-500N/mm²	1kg-200kg or as clients' requirement	Internal plastic film, external woven Internal plastic film, external hessian



Small Coil (about 0.35kg-25kg/coil)



Big Coil (about 100-500kg/coil)

Wire gauge	SWG in mmt	BWG in mm
6#	4.87	5.15
7#	4.47	4.57
8#	4.06	4.19
9#	3.66	3.76
10#	3.25	3.40
11#	2.95	3.05
12#	2.64	2.77
13#	2.34	2.41
14#	2.03	2.11
15#	1.83	1.83
16#	1.63	1.65
17#	1.42	1.47
18#	1.22	1.25
19#	1.02	1.07
20#	0.91	0.89
21#	0.81	0.813
22#	0.71	0.71
23#	0.61	0.63
24#	0.56	0.56

Twist wire



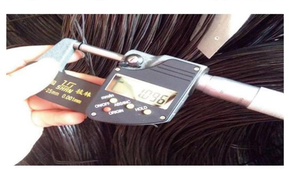
Twist Wire is manufactured by spirally twisting two or more strands of high-quality low-carbon steel wire. This twisted construction delivers superior tensile strength and fatigue resistance while retaining flexibility. Common applications include construction binding, agricultural tying, industrial bundling, crafts, and fencing.
Versus single-strand wire, twist wire provides better grip and flexibility, with reduced risk of breakage or loosening — making it a reliable solution for binding, connecting, and reinforcement needs.

■ Product Features

- Higher strength, less prone to breakage
- Excellent flexibility, easy to handle
- Corrosion and weather resistant, long service life
- Complete range of specifications, wide application

■ Specifications

Surface treatment	Thickness	Package	Weight	Conventional specifications
black annealed wire, Electro galvanized	0.7-6.5mm	Carton box, plastic inside and hessian cloth outside, plastic inside and woven bag outside(customized)	1.0kg-250kg（Roll weight and roll diameter can be customized）	0.9mm*4，1.1mm*6，1.1mm*7，1.2mm*2，1.2mm*6，1.2mm*7






Straight cutting wire



Plastic wire is also called plastic coated wire (for short: PVC wire, PE wire). The product is made of high quality black wire and galvanized wire. After deep processing, the plastic and iron wire are firmly combined. It has the characteristics of anti-aging, corrosion resistance, anti cracking and so on. The service life is several times that of galvanized iron wire. The variety and color of the product can be customized according to user needs.

■ Applications

It is widely used in many fields such as construction wire binding, handicraft binding, daily life binding and so on. According to the specific requirements of customers, various special specifications can be customized.




■ Specifications

Surface treatment	Wire diameter range	Length	Packaging
Electro galvanized, hot dip galvanized, black annealed, spray painting	0.4mm-6.0mm	100mm-6000m	Carton + pallet; woven bag + pallet

Oval Wire



Oval Wire is made of selected high-quality high-carbon steel wire, which has been drawn into shape, fully closed and advanced assembly line process of annealing, drawing and even galvanizing. it is drawn and hardened by precise professional equipment. Oval shape, good toughness and elasticity, bright surface, clean, high tensile strength.

■ Applications

The oval wire used in cattle fence and Courtyard fence, more strong , use more time .




■ Specifications

Size	Specification	Breaking Force	Zinc Coating	Diameter Tolerance	Length	Weight
17/15	3.0*2.4mm	700kgf	Min.80g/m2	±0.06mm	1000M	43.5kg
16/14	2.7*2.2mm	600kgf	Min.80g/m2	±0.06mm	1250M	45kg
15/13	2.4*2.0mm	500kgf	Min.80g/m2	±0.06mm	1500M	45kg
14/12	2.2*1.8mm	400kgf	Min.80g/m2	±0.06mm	1900M	45kg
N°12	2.4*2.8mm	500Mpa	Min.50g/m2	±0.06mm	465M	25kg
N°6	4.55*5.25mm	500Mpa	Min.50g/m2	±0.06mm	170M	25kg

U-shaped wire



U-shaped wire is a versatile metal component bent into a "U" configuration, designed for secure fastening, support, and structural connections. It is manufactured from high-strength steel with consistent dimensions for reliable performance.
Available in a range of gauges, leg lengths, and widths to suit various applications. Materials include low-carbon steel, galvanized steel, or stainless steel, with options for zinc coating or anti-rust treatment to ensure excellent corrosion resistance.
Typical applications include poultry cage assembly, agricultural equipment, fencing, concrete anchoring, and general industrial fastening.

■ Applications





■ Specifications

Material Type	Key Advantage	Ideal Scenario
Black Annealed	Soft texture, easy to twist	Indoor construction, formwork binding, household use
Galvanized (Hot-dip/Electro)	Superior anti-rust & corrosion resistance	Outdoor projects, humid environments, agricultural facilities
Low-carbon Steel	Balanced strength & cost-effectiveness	Industrial installation, general packaging

Wire Diameter	Inner Width	Leg Length
1.0mm - 6.0mm (customizable)	10mm - 150mm (20mm - 80mm most popular)	20mm - 200mm (tailored to your needs)

Garden Wire



Garden wire is made of different thickness of galvanized wire, modified wire, black annealed wire, plastic coated wire, paint wire, stainless steel wire. Wrapped through a coil of confidential wire, also known as close-packed wire, small coil wire. It is easy to bend, twist, and cut, making it ideal for tying, training, and supporting plants, vines, and young trees.
Available in various gauges, colors, and coil lengths to suit both home gardening and professional agricultural use.

■ Application





■ Specifications

Wire Diameter	Surface treatment	Coil weight	Internal coil size	External coil size
10#，12#，14#，16#，18#，20#，22# etc.	Galvanized ,black annealed ,PVC, Paint etc.	0.1~5kg	Usually 5~10cm	Usually ≤14cm

Paint Wire



Paint wire is a kind of bright and beautiful craft wire, also known as painted wire, floral wire, spray wire, enameled wire. Florist wire can be used for weaving,bundling, bookbinding, construction industry, daily use, also for food packaging and high-quality gifts , handcraft production,.Colored wire has smooth surface, bright color, enjoy a good market in the world.

■ Type



Stub Wire



Paddle Wire



Spool Wire

■ Specifications

Stub Wire			Paddle Wire		Spool Wire	
Color	Length	Diameter	Color	Diameter	Color	Diameter
Green	100mm-600mm (8inch-24inch)	0.3-1.6mm (30 gauge-16gauge)	Green,red,blue,golden,silver,etc.	0.3mm-1.6mm	Green,red,blue,golden,silver,etc.	0.25mm-0.9mm

■ Applications

Weaving wire mesh, binding wire, floral tie wire, book binding









Garden Staples



Garden Staples is also called U Staples,Ground Cloth Staples, Landscape Fabrics Staples, Weed mat Pins, Irrigation Staples, Irrigation Drip Tubing Staples, Soaker Hoses Staples,etc.

The Garden Staples are made of high-quality low-carbon steel wire, which has the advantages of high brightness, good hardness and smooth surface. The main application is to fix the turf on the golf course, on the garden lawn and other places where turf is needed, and in fix the cover cloth. Straw mats, round tubes and other places. Designed with sharp beveled edges, it is easy to penetrate the soil and mesh, reusable, durable, easy to operate, high quality and low price, and is popular with guests from developed countries such as Europe and the United States.

■ Specifications

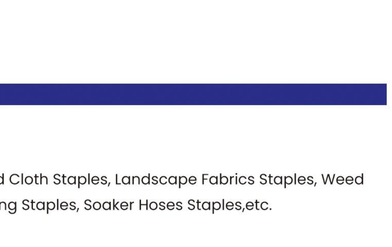
Wire Gauge	Leg length	Width	Material	Surface treatment	Package
6-12 gauge	4"-14"	1"-4"	Low carbon steel wire	galvanized	50pcs/bag, 150pcs/box, 1000pcs/carton

Model	Material	Length (Inch)	Width (Inch)	Gauge (Thickness)	Tip Type	Surface Treatment
LS-3	Galvanized Steel	3	1.5	11 GA	Sharpened	Hot-Dip Galvanizing
LS-4	Galvanized Steel	4	1.5	10 GA	Sharpened	Hot-Dip Galvanizing
LS-6	Stainless Steel 304	6	2	9 GA	Double-Sharpened	Polished
LS-8	Carbon Steel	8	2.5	8 GA	Double-Sharpened	Powder Coating (Green/Black)
LS-10	Galvanized Steel	10	3	7 GA	Chisel Tip	Hot-Dip Galvanizing

■ Applications







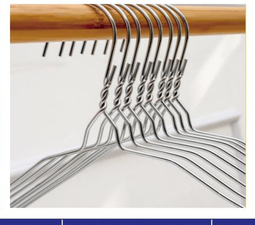
Galvanized hanger



Disposable clothes hangers are sturdy and beautiful, cheap, and easy to carry, making it quickly favored by everyone in the laundry industry and hotel supplies industry, mainly divided into galvanized hangers and plastic powder hangers

Applications







■ Specifications

Wire dai	Size	Packing	Color	Certificate
1.7/1.8/1.9/2.0/2.1/2.2/2.3/2.4mm	16",18"	500PC/CARTON	bright silver,	ISO SGS

Concrete Nails



Concrete nails, also known as masonry nails, are specialized fasteners designed for driving into hard substrates such as concrete, brick walls, and masonry blocks.
Unlike ordinary iron nails, concrete nails are manufactured from high-strength carbon steel and undergo heat treatment to achieve superior hardness. The shank features fluted, twisted, or grooved designs that allow the nail to penetrate concrete without bending or breaking.
Common material grades include 45# and 55# medium-carbon steel, with hardness typically reaching 40–53 HRC.

Specifications

Parameter	Standard Range	Technical Details & Guidance
Material	High-Carbon Steel (1045-1060) / Alloy Steel / Stainless Steel 304	1045-1060: 55-60 HRC hardness; Alloy Steel: 60-65 HRC; 304 SS: Anti-corrosion, 45-50 HRC
Shank Diameter	2.5mm - 8mm (12 GA - 5 GA)	12 GA (2.5mm): Light loads; 9 GA (4mm): General use; 5 GA (8mm): Heavy industrial (1200 MPa tensile)
Length	20mm - 150mm (3/4" - 6")	3/4" (20mm): Trim; 2" (50mm): Wood to concrete; 6" (150mm): Deep steel-to-concrete penetration
Shank Type	Fluted / Ringed / Barbed / Smooth	Fluted: Best for dense concrete; Ringed: 30% stronger grip; Barbed: Heavy vibration; Smooth: Soft masonry
Head Type	Flat Head / Round Head / Countersunk Head	Flat: Hammer-friendly; Round: Easy removal; Countersunk: Flush with surfaces (no trip hazards)
Surface Coating	Zinc Plated / Hot-Dip Galvanized / Epoxy Coated / Black Oxide	Zinc: 1-2 year rust protection; Hot-dip: 5+ years outdoor; Epoxy: Chemical resistance; Black Oxide: Industrial look
Tensile Strength	800 MPa - 1200 MPa	High-Carbon: 800-1000 MPa; Alloy Steel: 1000-1200 MPa (no breaking under impact)
Driving Tool	Claw Hammer / Masonry Hammer / Nail Gun	Masonry hammer: Best for hard concrete; Nail gun: 2x faster installation for bulk jobs

Drywall Screw



Drywall screw, also known as a gypsum board screw, is a specialized fastener designed primarily for securing drywall (gypsum board) to wood or metal studs. Distinguished by its fine, sharp threads (full-threaded for wood studs, partial-threaded for metal), a bugle head (that sits flush with drywall without tearing the paper), and a self-tapping point, it eliminates the need for pre-drilling. Unlike common nails or generic screws, it's optimized to grip drywall tightly without causing cracks, ensuring a smooth finish for painting or wallpapering.

Specifications

Parameter	Standard Range	Application Guidance
Material	Carbon Steel (1018-1022) / Stainless Steel 410	Carbon steel: General use; Stainless steel 410: Rust-proof for humid/outdoor drywall (e.g., exterior soffits)
Shank Diameter	3.5mm - 4.8mm (6 GA - 12 GA)	3.5mm (12 GA): 1/2"-5/8" drywall; 4.8mm (6 GA): 3/4" thick drywall or heavy-duty installations
Length	13mm - 76mm (1/2" - 3")	13-25mm (1/2"-1"): Repair work; 32-50mm (1-1/4"-2"): Standard drywall to wood studs; 51-76mm (2-1/4"-3"): Drywall to metal studs or double-layer drywall
Thread Type	Full Thread (Wood Studs) / Partial Thread (Metal Studs)	Full thread: Maximum grip in wood; Partial thread: Prevents stud damage in thin metal
Drive Type	Phillips / Pozidriv / Square (Robertson)	Phillips: Universal; Pozidriv: Reduced slipping; Square: Industrial-grade grip
Surface Coating	Black Phosphate / Zinc Plated / Yellow Zinc (Chromate)	Black phosphate: Indoor drywall; Zinc/yellow zinc: Corrosion resistance for kitchens/bathrooms
Tensile Strength	600 MPa - 800 MPa	Withstands heavy loads and prevents screw breakage during installation

Size(mm)	Size(in.)	Shank Diameter(mm) Min.	Shank Diameter(mm) Max.	Cap Diameter(mm) Min.	Cap Diameter(mm) Max.
3.5*13	#6x1/2"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*16	#6x5/8"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*19	#6x3/4"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*25	#6x1"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*32	#6x1 1/4"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*38	#6x1 1/2"	3.3mm	3.6mm	7.9mm	8.5mm
3.5*50	#6x2"	3.3mm	3.6mm	7.9mm	8.5mm
4.2*16	#8x5/8"	4.0mm	4.3mm	7.9mm	8.5mm
4.2*19	#8x3/4"	4.0mm	4.3mm	7.9mm	8.5mm
4.2*25	#8x1"	4.0mm	4.3mm	7.9mm	8.5mm
4.2*32	#8x1 1/4"	4.0mm	4.3mm	7.9mm	8.5mm
4.2*38	#8x1 1/2"	4.0mm	4.3mm	7.9mm	8.5mm
4.2*50	#8x2"	4.0mm	4.3mm	7.9mm	8.5mm

Hex Flange Self Drilling Screw



Hex flange self drilling screw (also called a hex washer head self drilling screw) is a specialized fastener that integrates three functions: drilling, tapping, and clamping. It features a hexagonal head (for secure grip with wrenches or power drivers), an integrated flange (acts as a built-in washer to distribute pressure and prevent pull-through), and a self-drilling point (equipped with a drill-like tip to penetrate hard materials). Unlike standard self-tapping screws, it doesn't require pre-drilled pilot holes, making it ideal for high-volume, time-sensitive projects. The flange design also eliminates the need for separate washers, streamlining the fastening process.

Specifications

Parameter	Standard Range	Application Guidance
Material	Carbon Steel (1022, 4140) / Stainless Steel (304, 316) / Alloy Steel	Carbon steel: General industrial use; 304 SS: Corrosion resistance for indoor/outdoor; 316 SS: Marine/chemical environments; Alloy steel: High-strength for heavy loads
Shank Diameter	3.5mm - 10mm (#8 - #14, M4 - M10)	3.5-5mm (#8-M5): Thin metal sheets (0.5-2mm); 6-8mm (#10-M8): Medium steel (2-5mm); 9-10mm (#14-M10): Thick metal/composites (5-10mm)
Length	12mm - 150mm (1/2" - 6")	12-30mm: Thin material fastening; 35-75mm: Standard metal-to-metal; 80-150mm: Deep penetration (e.g., metal to wood framing)
Flange Diameter	7mm - 18mm	Matches screw diameter: Larger flange for softer materials to prevent damage
Point Type	Type 1 (Drill Point) - Type 5 (High Penetration)	Type 1: Sheet metal; Type 3: Thick steel; Type 5: Hard composites/concrete board
Thread Type	Coarse Thread (UNC) / Fine Thread (UNF) / Metric Thread	Coarse: Fast installation in wood/soft metal; Fine: Secure grip in hard metal; Metric: Global industrial standard
Surface Coating	Zinc Plated (Clear/Blue) / Yellow Zinc Chromate / Hot-Dip Galvanized / Powder Coating	Zinc: Basic rust protection; Yellow zinc: Enhanced corrosion resistance; Hot-dip galvanized: Outdoor/marine use; Powder coat: Color matching
Tensile Strength	600 MPa - 1200 MPa	Carbon steel: 600-800 MPa; Alloy steel: 900-1200 MPa (heavy-duty structural use)

Roofing Nails



Roofing nails are the unsung heroes of a leak-proof, long-lasting roof—specialized fasteners crafted to bridge roofing materials and roof decks with unbeatable security. Unlike generic nails that bend, rust, or back out, ours feature three non-negotiable upgrades: a wide, load-dispersing head (protects shingles from tearing), a textured ring/spiral shank (locks into wood like a vice), and a weather-sealed coating (fights corrosion 24/7). Every dimension—length, gauge, point— is calibrated to penetrate without damage, so your roof stays strong, dry, and low-maintenance for 15+ years.

Specifications

Parameter	Standard Range	Best For
Material	Carbon Steel / Galvanized Steel / Copper / Stainless Steel 304/316	Temporary roofs / General outdoor use / Historic homes / Marine areas
Shank Diameter	2.8mm - 4.5mm (11 GA - 8 GA)	Asphalt shingles / Metal roofing / Clay tiles/wood shakes
Length	19mm - 76mm (3/4" - 3")	Underlayment / Asphalt shingles / Wood shakes/clay tiles
Shank Type	Ring Shank / Spiral Shank / Smooth Shank	Wind-prone areas / High-security installs / Light materials
Head Type	Large Flat Head / Umbrella Head / Clipped Head	Shingles/tiles / Heavy-duty roofing / Nail gun speed installs
Surface Coating	Hot-Dip Galvanizing / Electro-Galvanizing / Copper Plating / Ceramic Coating	Heavy rust protection / Basic outdoor use / Copper roof matches / Shingle color coordination
Tensile Strength	450 MPa - 700 MPa	All roofing applications—no bending/breaking

Type



Smooth shank | Twist shank | Spiral shank | Washer

Packing And Shipment

Roofing nails offers a variety of packaging forms to suit different customer needs. For example, they can be shipped in full cartons or sold in separate packages that guarantee the integrity of the product in transit.







Common Nails



Common nails are the workhorses of the fastener world—designed with a smooth shank, sturdy flat/round head, and sharp point for seamless wood-to-wood fastening. What sets them apart? A thicker shank that locks into lumber, delivering far better holding power than delicate brads or pins. Crafted from high-grade steel, they resist bending during installation (even in dense hardwood) and stand up to shear forces, making them perfect for both structural builds and everyday repairs. Unlike specialized nails, they're your one-stop solution for countless projects.

Specifications

Parameter	Standard Range	Key Benefit
Material	Low Carbon Steel (1010-1020) / Galvanized Steel / Stainless Steel 304	Low carbon: Budget-friendly; Galvanized: Rust-proof for outdoors; Stainless Steel: Premium protection (coastal/ humid areas)
Shank Diameter	1.8mm - 6.4mm (18 GA to 6 GA)	6-4 GA: Structural strength (framing/decking); 18-12 GA: Light-duty (DIY/trim)
Length	19mm - 152mm (3/4" to 6")	3/4"-2": Trim/baseboards; 3"-6": Framing, fencing, heavy lumber
Head Type	Flat Head (Countersunk) / Round Head / Checkered Head	Flat: Flush finish; Round: Easy removal; Checkered: Secure hammer grip
Point Type	Diamond Point / Chisel Point	Diamond: Penetrates hard wood; Chisel: Prevents splitting in soft wood
Surface Treatment	Hot-Dip Galvanizing / Electro-Galvanizing / Powder Coating / Plain	Hot-dip: Heavy-duty rust proof; Electro: Light protection; Powder: Custom colors
Tensile Strength	350 MPa - 500 MPa	No bending/breaking—even with power nailers

Product Details



01. **Nail tip**
Smooth, Shape tip, easily use.



02. **Shank surface**
Polished, Paraffin coated, Rust-resistant, bright & clean surface



03. **Grid Line Top**
Reassured selection of materials, excellent quality



04. **Polsihed Surface Treatment**
Reassured selection of materials, excellent quality



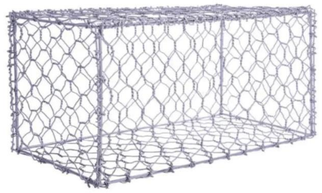
05. **Smooth Shank**
Reassured selection of materials, excellent quality



06. **ANTI-CORR OSION**
Reassured selection of materials, excellent quality

COMMON WIRE MESH

Woven Gabion Mesh



Woven Gabion Mesh is a high-strength wire mesh product manufactured from galvanized steel wire, galvanized PVC coated wire, or Galfan wire. It is woven into a hexagonal double-twisted mesh structure, providing excellent flexibility, strength, and durability.
The mesh is widely used for constructing gabion baskets, retaining walls, river protection systems, slope stabilization, and erosion control projects. Its flexible structure allows it to adapt to ground movement while maintaining excellent structural stability.

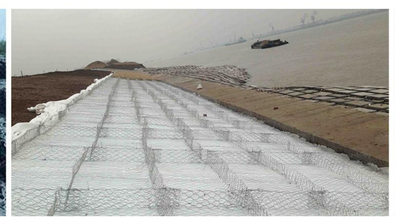
■ Specification

Hexagonal Gabion		
Surface Treatment：Electro Galvanized,Hot Dipped Galvanized,Galfan,Pvc Coated,black etc		
Opening (mm)	Wire Diameter （mm）	Wire Diameter（PVC Coated）Inner/Outside（mm）
60*80	2.0-2.8	2.0/3.0-2.5/3.5
80*100	2.0-3.2	2.0/3.0-2.8/3.8
80*120	2.0-3.2	2.0/3.0-2.8/3.8
100*120	2.0-3.4	2.0/3.0-2.8/3.8
100*150	2.0-3.4	2.0/3.0-2.8/3.8
120*150	2.0-4.0	2.0/3.0-3.0/4.0

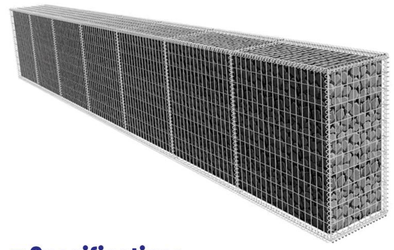
Length(M)	Width(M)	Height(M)	Diaphragm(Unit)	Volume(M3)
2.00	1	0.30	1	0.60
3.00	1	0.30	2	0.90
4.00	1	0.30	3	1.20
2.00	1	0.50	1	1.00
3.00	1	0.50	2	1.50
4.00	1	0.50	3	2.00
1.00	1	1.00	o	1.00
1.50	1	1.00	o	1.50
2.00	1	1.00	1	2.00
3.00	1	1.00	3	3.00
4.00	1	1.00	3	4.00

■ Application

1） control and guidance of rivers and floods:The most serious disaster of the river is the destruction caused by the erosion of the river bank by the current, which causes flooding, resulting in a large loss of life and property and a large amount of soil erosion. Therefore, when dealing with the above problems, the application of the gabion structure becomes one of the good solutions, which can make the river bank of the river bed be protected for a long period.
2） Channel Canal Riverbed:The construction of channels involves the stability of slopes and river beds. Therefore, Gabions are the main method used in many natural river reconstruction and artificial channel excavation in the past hundred years. It can effectively protect river banks or riverbeds, and it also has the function of controlling the flow of water and preventing water loss, especially in environmental protection and water quality maintenance, which has a good effect.
3） River bank protection:The application of Gabion and river bank protection and slope foot protection are very successful examples. It has brought into full play the advantages of gabions and made the unique effect.


Welded Gabion Mesh



Welded Gabion Mesh is a high-quality wire mesh product made from galvanized steel wire or Galfan coated wire. Unlike traditional woven gabion mesh, it is manufactured by welding horizontal and vertical wires together to form a strong, rigid mesh panel structure.
With excellent strength, stability, and corrosion resistance, welded gabion mesh is widely used for retaining walls, slope protection, riverbank reinforcement, landscaping, and various civil engineering projects. Its neat appearance and easy installation make it an ideal choice for both functional and decorative applications.

■ Specifications

Corrosion Protection	Galvanized	95% Zinc + 5% Alu	PVC Coated
Mesh Size	50.8 x 50.8mm 76.2 x76.2mm 50 x100mm	50.8 x 50.8mm 76.2 x76.2mm 50 x 100mm	50.8 x 50.8mm 76.2 x76.2mm 50 x 100mm
Unite Size	Wire Diameter	Wire Diameter	Wire Diameter
1 x 1x 1m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
2 x 1 x 1m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
3 x 1 x 1m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
4 x 1 x 1m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
1 x 1 x 0.5m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
2 x 1 x 0.5m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
3 x 1 x 0.5m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm
4 x 1 x 0.5m	3.0mm,4.0mm,5.0mm	3.0mm,4.0mm,5.0mm	3.0mm/4.0mm4.0mm/5.0mm

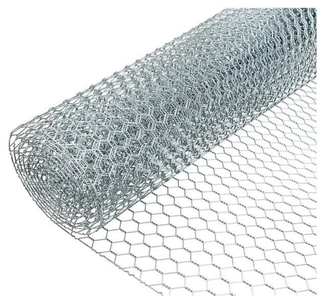
Field installation is quick and easy. In fact, installation time can be as much as 40% less than required by hex type gabions. With diaphragms and stiffeners installed, the gabion may be filled with standard loading equipment. After filling the gabion, a lid is placed on top and secured with spiral binders.

■ Application





Hexagonal Wire Mesh



Hexagonal Wire Mesh is a versatile wire mesh product manufactured from high-quality galvanized steel wire, stainless steel wire, or PVC coated wire. The wires are twisted together to form a strong hexagonal mesh structure, providing excellent flexibility, durability, and corrosion resistance.
Due to its unique hexagonal design, Hexagonal Wire Mesh offers outstanding strength and adaptability, making it widely used in poultry fencing, animal enclosures, gabion applications, construction, agriculture, and industrial protection.

Specification

Galvanized Hexagonal Wire Netting-Normal Twist

Mesh Opening		Wire Thickness		Width	
inch	mm	BWG	mm	inch	m
3/8	10	27; 26; 25; 24; 23	0.40-0.63	12-48	0.3-1.2
1/2	13	27; 26; 25; 24; 23; 22; 21; 20	0.40-0.88	12-80	0.3—2.0
5/8	16	27; 26; 25; 24; 23; 22; 21; 20	0.40-0.88	12-48	0.3-1.2
3/4	19	27; 26; 25; 24; 23; 22; 21; 20	0.40-0.88	12-80	0.3—2.0
1	25	27; 26; 25; 24; 23; 22; 21; 20	0.40-0.88	12-80	0.3—2.0
1-1/4	30	24; 23; 22; 21;20; 19; 18	0.56-1.25	12-48	0.3—1.2
1-1/2	40	23; 22; 21; 20; 19; 18	0.63-1.25	12-80	0.3-2.0
N	50	23; 22; 21; 20; 19; 18; 17	0.63-1.47	12-80	0.3-2.0
3	75	23; 22; 21; 20; 19; 18; 17; 16; 15	0.63-1.83	12-80	0.3-2.0
4	100	16; 15; 14; 13; 12	1.65-2.77	20-160	0.5-4.0

Galvanized Hexagonal Wire Netting-Revise Twist

Mesh Opening		Wire Thickness		Width	
inch	mm	BWG	mm	inch	m
1	25	25; 24;23; 22;21; 20; 19; 18	0.51—1.25	12-80	0.3-2.0
1-1/4	30	25; 24;23; 22; 21; 20; 19; 18	0.51-1.25	12-80	0.3-2.0
1-1/2	40	25; 24; 23; 22; 21; 20; 19; 18	0.51-1.25	12-80	0.3-2.0
2	50	25; 24; 23; 22; 21; 20; 19; 18; 17	0.51-1.47	12-80	0.3-2.0
3	75	23; 22; 21; 20; 19; 18; 17	0.63-1.47	12-80	0.3-2.0

PVC-Coated Hexagonal Wire Netting

Mesh Opening		Wire Thickness	Width	
inch	mm	mm	inch	m
1/2	13	0.4/0.8-0.8/1.2	12-80	0.3-2.0
5/8	16	0.4/0.8-0.8/1.2	12-48	0.3-1.2
3/4	19	0.4/0.8-0.8/1.2	12-80	0.3-2.0
1	25	0.5/0.9-1.0/1.4	12-80	0.3-2.0
1-1/4	30	0.6/1.0-1.2/1.6	12-80	0.3-2.0
1-1/2	40	0.6/1.0-1.2/1.6	12-80	0.3-2.0
2	50	0.6/1.0-1.2/1.6	12-80	0.3-2.0

Application



Aluminum Wire Mesh



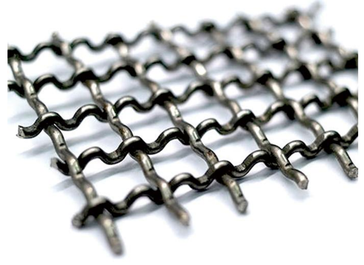
Aluminum wire mesh is a traditional product which is woven from aluminum wire or aluminum-magnesium alloy wire with square opening mesh.It is also called magnalium wire screen. The weaving type of aluminum window screen is plain weaving, which offers neat mesh surface and firm structure.

Aluminum wire mesh has an original color of silver white.But after being coated with epoxy coating, it can be painted to green,yellow,blue,and other colors upon your request. Being anti-bugs and corrosion resistant, aluminum insect screen is suitable for doors and windows of many places.

Specifications

Product name	Specification			Elucidation
	Mesh	Wire Dia.	Size	
Aluminum Wire mesh	10×10	BWG31 BWG32 BWG33 BWG34etc	0.5×30M0.6×30M 0.9×30M 1×30M1.2×30M 1.5×30M1.8×30M	Material: Al-mg alloy or pure aluminum Painted aluminum wire netting epoxy resin paint
	14×14			
	16×16			
	18×18			
	18×14			
	22×22			
	24×24			
	Special size can be made according to customers require			

Crimped Wire Mesh



Crimped Wire Mesh can be also known as the iron crimped mesh, stainless steel crimped mesh, black iron crimped mesh according to different materials.

Crimped Wire Mesh is made in a variety of materials through crimping mesh machine, a kind of universal wire products with square or rectangular openings.

Crimped Wire Mesh Material: Iron wire, black wire, stainless steel wire, copper wire and other non-ferrous metal.

Weaving: Pre-crimping before Weaving. In two-way separated wave bending, locked bending, flat-topped curved, two-way bending, one-way separated wave bending.

Features: Structure firm and durable.

Uses: Used for mining, coal plants, construction, petrochemical industry, construction machinery, etc

Common specifications

Diameter 1.0mm x mesh opening 8mm or 10mm

Diameter 1.5mm x mesh opening 12.5mm, 15mm or 20mm

Diameter 3mm x mesh opening 15mm, 20mm, 30mm

Length and width specifications: 1m×25m 1m×30m 1.2m×25m 1.2m×30m

Wire Gauge (SWG)	Wire Diameter (mm)	Mesh/inch	Aperture (mm)	Weight (kg/m²)
14	2.0	21	1	4.2
80	4.05	18	1	15
25	0.50	20	0.61	2.6
23	0.61	18	0.8	3.4
24	0.55	16	0.1	2.5
24	0.55	14	0.12	4
22	0.71	12	0.14	2.94
19	1	2.3	0.18	1.45
6	4.8	1.2	2	20
6	4.8	1	2	20
6	4.8	0.7	3	14
14	2.0	5.08	0.3	12
14	2.0	2.1	1	2.5
14	2.0	3.6	1.5	1.9

Square Wire Mesh



Square Iron Woven Wire Mesh is weaved of low cabron iron wire low carbon iron wire with precision construction, opening uniform, firmness and flatness and durable service.According to surface treatment,It can be divided into non galvanized,electro galvanized and hot dipped galvanized.
With accurate mesh openings, smooth surface, and strong corrosion resistance, Square Wire Mesh is widely used in mining, agriculture, construction, chemical processing, food processing, and security applications.

■ Surface Treatment

1.Hot dipped galvanized after weaving **2.Hot dipped galvanized before weaving** **3.Electro galvanized after weaving**
4.Electro galvanized before weaving **5.Plastic coated**

Mesh/Inch	Wire Diameter (mm)	Mesh/Inch	Wire Diameter (mm)
4	0.56-0.91	18	0.23-0.35
5	0.35-0.71	20	0.21-0.29
6	0.35-0.71	24	0.19-0.25
8	0.35-0.56	26	0.17-0.23
10	0.31-0.46	28	0.15-0.21
12	0.27-0.46	30	0.15-0.21
14	0.25-0.37	36	0.12-0.15
16	0.23-0.35	40	0.10-0.12
Roll Width: 0.914m to 1.5m; Roll Length: 25m, 30m, etc.			
Material: Low Carbon Iron Wire			

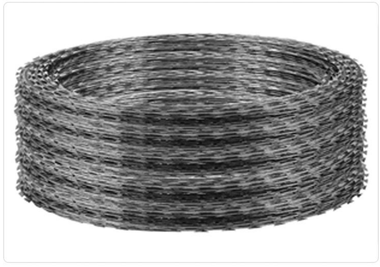
Square wire mesh is divided into electro galvanized square wire mesh and hot dipped galanized square wire mesh.
Material :Galvanized iron wire,Stainless steel wire .
Weaving and characteristic:Plain weaving,stable structure,good corrosion resistance and durable and so on.
Uses:Used in industry and constructions to sieve grain powder,filter liquid and gas,safety guards on machinery enclosures and so on.

Razor Barbed Wire



Razor Barbed Wire is also named concertina razor wire, razor fencing wire, razor blade wire or dannert wire. It is a kind of modern security fencing materials with better protection and fencing strength made of hot-dipped galvanized steel sheets or stainless steel sheets. With sharp blades and strong core wire, razor wire has the features of secure fencing, easy installation, age resistance and other properties.
Materials:
Blade: steel plate by one-time punching moulding or stainless steel plate by one-time punching moulding
Wire: electro galvanized steel wire hot dipped galvanized steel wire or stainless steel wire

■ Material



Stainless Steel

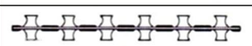
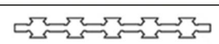
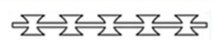
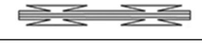


Galvanized:Electro/Hot-dip Galvanized



Pvc Coated

■ Specifications

Razor wire type						
Reference Number	Blade Style	Thickness (mm)	Wire Dia (mm)	Barb Length (mm)	Barb Width (mm)	Barb Spacing (mm)
BTO-10		0.5±0.05	2.5±0.1	10±1	13±1	26±1
BTO-12		0.5±0.05	2.5±0.1	12±1	15±1	26±1
BTO-18		0.5±0.05	2.5±0.1	18±1	15±1	33±1
BTO-22		0.5±0.05	2.5±0.1	22±1	15±1	34±1
BTO-28		0.5±0.05	2.5	28	15	45±1
BTO-30		0.5±0.05	2.5	30	18	40±1
CBT-60		0.6±0.05	2.5±0.1	65±2	21±1	100±2
CBT-65		0.6±0.05	2.5±0.1	65±2	21±1	100±2

Razor wire has three types ,Single Loop Razor wire, Cross Type Razor wire , Flat warp Razor wire

1) Single Loop Razor wire is also called single coil Razor wire, it's installed without clips and runs in natural loops on the top of walls or fencings. Single loop Razor wire is restless and can be easily installed.

Single loop razor wire(single coil)				
Out diameter	No. of loops	Standard cover length	Blade Style	Remark
450mm	33	7-8M	CBT-60.65	Single coil
500mm	56	12-13M	CBT-60.65	Single coil
700mm	56	13-14M	CBT60.65	Single coil
960mm	56	14-15M	CBT60.65	Single coil

2) Cross Type Razor wire it's also called Double Loops Razor wire or Concertina Barbed Wire. It's produced by two pieces of stainless steel razor wire or Zinc-coated Wire which are bound together by clips to make it stronger.It is easily and expediently installation, welcome by army and police.

Cross type razor wire (double loops)				
Out diameter	No. of loops	Standard cover length	Blade Style	Remark
450mm	56	8-9M(3CLIPS)	BTO-	Cross type
500mm	56	9-10M(3CLIPS)	BTO-	Cross type
600mm	56	10-11M(3CLIPS)	BTO-	Cross type
600mm	56	8-10M(5CLIPS)	BTO-	Cross type
700mm	56	10-12(5CLIPS)	BTO-	Cross type
800mm	56	11-13(5CLIPS)	BTO-	Cross type
900mm	56	12-14(5CLIPS)	BTO-	Cross type
960mm	56	13-15(5CLIPS)	BTO-	Cross type
980mm	56	14-16(5CLIPS)	BTO-	Cross type

3) Flat warp Razor wire is a new type of Razor wire. Metal Tec press the single loop Razor wire into flat, or press two loops into flat then expand them across. We usually use it together with beenline Razor wire to build a defencing wall, or use it alone as a fence.

Width	Loops/roll	Length/roll	Blade type
450mm	126	16M	BTO-10,12,18,22,28,30
600mm	95	16M	BTO-10,12,18,22,28,30
900mm	63	16M	BTO-10,12,18,22,28,30
1100mm	51	16M	BTO-10,12,18,22,28,30

■ Application

It has been widely used in airport, key military sites, border line, prison, government, bank, bounding wall of villa, highway, fence of railway ,community, storehouse, mine, , key sites of National Defence, etc.









Welded Wire Mesh



Welded wire mesh is welded with high-quality low-carbon steel wire and then passivated and plasticized by electro galvanized, hot dipped galvanized, PVC coated, etc. Achieve smooth surface, uniform mesh, firm solder joints, good local machining performance, stability, good weather resistance and good corrosion resistance.

1. The grid structure is concise, beautiful and practical;
2. It is easy to transport, and the installation is not restricted by terrain fluctuation;
3. Especially adaptable to mountains, slopes and multi-curved areas;
4. The price is medium to low, suitable for large areas.

Main markets: Closed nets for railways and highways, field fences, community fences, and various isolation nets.

Specifications

Material	Low carbon steel wire, stainless steel wire
Surface treatment	*HOT-DIPPED GALVANISED AFTER WELDING *HOT-DIPPED GALVANISED BEFORE WELDING *ELETRIC-GALVANISED AFTRE WELDING *ELETRIC-GALVANISED BEFORE WELDING *PVC-COATED *black wire *IN STAINLESS STEEL
Wire diameter	0.45mm-12mm
Hole size	1/4"-4"
Width	0.5m-1.8m
Type	Panel or roll
Package	water-proof paper ;shrinked plastic bag

Galvanized welded wire mesh

Mesh Opening		Wire Thickness		Width
inch	mm	BWG	mm	Feet
1/4X1/4	6.3 X 6.3	26; 24; 23; 22; 21; 20; 19	0.45-1.0	1-4
3/8X 3/8	9.5X9.5	26; 24; 23; 22; 21; 20; 19; 18; 17; 16	0.45-1.6	1-4
1/2X1/2	12.7 X 12.7	25; 24;23; 22; 21; 20; 19; 18; 17; 16	0.5-1.65	1-6
5/8X 5/8	15.8 X 15.8	25; 24; 23; 22; 21; 20; 19; 18; 17; 16	0.5-1.65	1-4
3/4X3/4	19X19	25; 24; 23; 22; 21; 20; 19; 18; 17; 16	0.5-1.65	1-6
1/2X1	12.7 X 25.4	25; 24; 23;22; 21; 20; 19; 18; 17;16; 15; 14	0.5—2.11	1-6
1X1	25.4 X 25.4	25; 24; 23; 22; 21; 20; 19; 18; 17;16; 15; 14;13;12;11	0.5—3.0	1-6
1-1/4X1-1/4	31.7 X 31.7	25; 24; 23; 22; 21;20; 19; 18; 17; 16; 15; 14; 13; 12;11	0.5-3.0	1-6
1-1/2 X 1-1/2	38.1 X 38.1	25; 24; 23; 22; 21;20; 19; 18; 17; 16; 15; 14; 13; 12;11	0.5-3.0	1-6
1X2	25.4 X 50.8	19; 18; 17; 16; 15; 14; 13; 12;11;10;9;8	1.07-4.0	1-6
2X2	50.8 X 50.8	18; 17; 16; 15; 14; 13; 12;11;10;9;8	1.25-4.0	1-6
2X3	50.8 X 76.2	16; 15; 14; 13;12;11;10;9;8	1.65-4.0	1-6
2X4	50.8 X 101.6	16; 15; 14; 13; 12;11;10;9;8	1.65-4.0	1-6
3X3	76.2 X 76.2	16; 15; 14; 13; 12;11;10;9;8	1.65-4.0	1-6
3X4	76.2 X 101.6	16; 15; 14; 13;12;11;10;9;8	1.65-4.0	1-6
4X4	101.6 X 101.6	16; 15; 14; 13;12;11;10;9;8	1.65-4.0	1-6
6X6	152.4 X 152.4	16; 15; 14; 13; 12;11;10;9;8	1.65-4.0	1-6

Pvc coated welded wire mesh

Mesh Opening		Wire Thickness	Width
inch	mm	mm	Feet
1/4X1/4	6.3 X 6.3	0.35/0.7-0.5/0.9	1-4
3/8 X 3/8	9.5X 9.5	0.35/0.7-0.8/1.2	1-4
1/2X1/2	12.7 X 12.7	0.4/0.8-1.2/1.6	1-6
5/8X 5/8	15.8 X 15.8	0.4/0.8-1.2/1.6	1-4
3/4X3/4	19X19	0.4/0.8-1.2/1.6	1-6
1/2X1	12.7 X 25.4	0.4/0.8-1.2/1.6	1-6
1X1	25.4 X 25.4	0.5/0.9-1.6/2.0	1-6
1-1/4X1-1/4	31.7 X 31.7	0.5/0.9-1.6/2.0	1-6
1-1/2X1-1/2	38.1 X 38.1	0.5/0.9-1.6/2.0	1-6
1X2	25.4 X 50.8	0.6/1.0-2.2/2.6	1-6
2X2	50.8 X 50.8	0.6/1.0-2.2/2.6	1-6
2X3	50.8 X 76.2	1.6/2.0-2.2/2.6	1-6
2X4	50.8 X 101.6	1.6/2.0-2.2/2.6	1-6
3X3	76.2 X 76.2	1.6/2.0-2.2/2.6	1-6
3X4	76.2 X 101.6	1.6/2.0-2.2/2.6	1-6
4X4	101.6 X 101.6	1.6/2.0-2.2/2.6	1-6

Welded Wire Mesh Panel



Welded wire mesh panel is made of high-quality low-carbon steel wire, which is welded and formed by welding equipment through straightening. Welded wire mesh panel has the characteristics of smooth surface, firm structure and strong integrity.

* Smooth mesh surface and bright luster
* Well-proportioned meshes
* Strong welded points
* Corrosion-resisting
* Oxidation-resisting

Specifications

1. Material: black iron wire; electro galvanized wire; hot dipped galvanized wire;stainless steel wire

2. Surface treatment: black, galvanized or pvc coated, pvc color:green,yellow, white,blue

Opening (Inch)	Opening (mm)	Wire diameter (BWG)	Wire diameter (mm)
1"×1"	25mm×25mm	14#-11#	2.0mm-3mm
2"×1"	50mm×25mm	14#-8#	2.0mm-4mm
2"×2"	50mm×50mm	14#-8#	2.0mm-4mm
3"×2"	75mm×50mm	14#-6#	2.0mm-5mm
3" ×3"	75mm×75mm	14#-6#	2.0mm-5mm
4"×2"	100mm×50mm	14#-4#	2.0mm-6mm
4"×4"	100mm×100mm	14#-4#	2.0mm-6mm
5" x 5"	125mm×125mm	14#-4#	2.0mm-6mm
6" × 6"	150mm×150mm	14#-4#	2.0mm-6mm

Application

It is widely used in the industry, agriculture, aquaculture, building, communication and transportation and mineral extraction, etc. It also finds application in shields on machinery or equipment, wire fence for livestock or flowers and trees, fence for protecting windows, fence for pathways, poultry cage, basket for holding eggs, foodstuff basket, paper basket or decorative fields in home or office.






Processing




Fiberglass Mesh



Fiberglass Mesh, also known as fiberglass netting or glass fiber mesh cloth, is a high-performance composite material woven from alkali-resistant (AR) glass fiber filaments, then coated with acrylic emulsion or PVC to enhance durability and adhesion. Characterized by its lightweight, corrosion resistance, and excellent tensile strength, it is free from rust, rot, and insect damage—overcoming the limitations of traditional metal mesh. Widely used in construction, insulation, and industrial fields, it serves as a key reinforcing material for wall rendering, waterproofing, and composite panels, making it a staple in global high-quality building projects. There are two weave methods for fiberglass mesh, including plain weave and twill weave. Black silicone coated fiberglass mesh is also available. Both of them can be used as building materials for various architectural styles, especially for the renovation of building surfaces. As a fiberglass mesh manufacturer, we can provide various mesh sizes and colors for different needs.

Specifications

Mesh:	4 × 4 mm, 5 × 5 mm, 10 × 10 mm
Weight:	60-260 g/m²
Color:	white, yellow ,orange, blue, green and so on.
Roll width:	5-200 cm
Roll Length:	50 m/roll, 100 m/roll, 200 m/roll, 500 m/roll etc.
Packing:	shrink film and in cartons (usually 4 rolls/carton), woven bag, other specification is available upon request.

We offer a full range of fiberglass mesh to meet diverse application needs, from residential wall reinforcement to industrial composite materials. Standard specifications are listed below, with custom options available for tailored orders:

Model	Mesh Size (mm)	Weight (g/m²)	Tensile Strength (N/50mm)	Width (m)	Length (m/roll)	Coating Material	Color
FM-01(Wall Rendering Grade)	4x4/5x5	80-120	≥1000(Warp/Weft)	0.914/1.0/1.2	50/100	Acrylic Emulsion	White/Light Yellow
FM-02 (Water proofing Grade)	3x3/4x4	120-160	≥1200(Warp/Weft)	0.914/1.0/1.5	50/100	PVC Coating	Black/Green
FM-03 (Composite Panel Grade)	2x2/3x3	160-200	≥1500(Warp/Weft)	1.0/1.2/1.8	30/50	Epoxy Resin Coating	Transparent/Gray
FM-04 (High-Temperature Grade)	3x3/5×5	200-300	21800(Warp/Weft)	0.914/1.0/1.2	20/30	Silicone Coating	White/ Brown
FM-05(Custom Grade)	1x1-10×10	60-500	Customizable	0.5-2.0	Customizable	Custom Coating	Custom Color

Key Performance Index: Alkali resistance (retained strength ≥85% after 28 days in 5% NaOH solution); UV resistance (retained strength ≥90% after 1000h UV aging test). Contact us for detailed test reports!

Nylon Window Screen



Nylon Window Screen is made of nylon or polyethylene threads via plain weaving. It features light weight, good air permeability, acid-alkali and corrosion resistance, and no easy rusting/aging in humid environments. Available in white, green, blue, etc., it combines insect-proof function with cost-effectiveness, serving as a mainstream protective material for civil building doors and windows.

Specifications

Mesh Count	12×12 to 30×30 mesh
Colors	Pearl white, grass green, sky blue (standard)
Widths	50/100/120/150/180/200/250/280 cm
Weather Resistance	Passed 3000h xenon lamp aging test
Packaging	PE film wrapped + carton; custom packaging available
Material & Craftsmanship	Made of high-density polyethylene or modified nylon, the screen adopts plain weaving for uniform mesh. Weaving density: 14-30 mesh; wire diameter: 0.18-0.40 mm (customizable mesh size). Screen flatness tolerance ±2 mm ensures uniform light transmittance.
Applications	Widely used in residential doors/windows, corridors (covering 80%+ civil insect screen demand), and extended to orchard protective nets, food workshop insect curtains, etc. 50-280 cm width fits various window frames.

Garden Fence



A garden fence is a special type of enclosure typically installed around a garden to protect the plants and flowers from external disturbances. This type of fence not only prevents animals from entering but also blocks wind, sand, and other factors that could damage the plants. At the same time, garden fences also serve a decorative purpose, enhancing the overall aesthetics of the garden and making it a part of the home or public space.

1.Material: PVC Coated wire.

2.Surface Treatment: Galvanizing, PVC Coated, powder coated.

3.Application: It can be used for fencing as an enclosure of front yards, flower beds, lawns, protects lawn edges from damage and erosion.

Specifications

Mesh Opening(cm)	Wire diameter(cm)	Height(cm)	Length(m)
150x90	2.0/3.2	25	10
150x90	2.0/3.2	40	10
150x90	2.0/3.2	65	10
150x90	2.0/3.2	90	10
150x90	2.0/3.2	120	10
150x90	2.0/3.2	25	25
150x90	2.0/3.2	40	25
150x90	2.0/3.2	65	25
150x90	2.0/3.2	90	25

Packing:Plastic paper+pallet , or as customers' requirement.

Holland Wire Mesh



Euro fence is also known as Holland fence or welded rolls. It is highly praised for its wide applicability due to its economical and practical features.

Euro fence is also known wave welded mesh or holland wire mesh. It can be made of black mild steel wire or galvanized wire, quality welded on each joint point, PVC PE or PP powder coated the surface by sulfide treatment, with good adhesion, anticorrosion, flittering luster, etc. The surface treatment also can be electro galvanized, hot dipped galvanized.

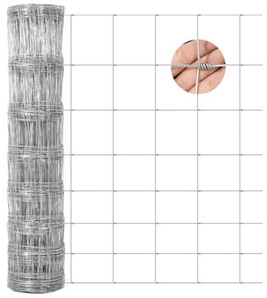
The Holland wire mesh also called Euro fence or garden wire mesh. It has good anti-corrosion performance, anti-aging and beautiful appearance. Installation is quick and easy. It can be widely used in fences, decorations, and protection facilities in industries such as industry, agriculture, municipalities, and transportation. It has the characteristics of good filtration precision, high load intensity, low cost and easy installation.

Specifications

WIRE DIAMETER	MESH (INCH))	(MM)
2.5mm/3.0mm	4″×4″	101.6mm×101.6mm
2.5mm/3.0mm	4²×3″	101.6mm×50.8mm
2.0mm/2.5mm	4"×2"	101.6mm×50.8mm
1.9mm/2.4mm	3"×2"	75mm×50.8mm
1.9mm/2.4mm	2"×2"	50.8mm× 50.8mm
1.9mm/2.4mm	2"x 1″	50.8mm×25.4mm
Size: width from 0.5M to 2 Meters, length 10M, 15M, 20M, 25M ,30M, 50M etc		

Mesh Size	50 50mm,50 100mm,60 60mm,60 100,etc
Wire Diameter	0.8mm-5.0mm
Width	0.5-2.5m
Length	2-30m
Post	according to the euro fence
Colour	blue,green,yellow,red,etc
Surface Treatment	pvc coated, hot dipped galvanized
Raw Material	iron wire,steel wire,etc

Field Fence



Field fence, also called cattle fence or grassland fence. Steel wire with high strength, with zinc coating layer or without. Graduated steel wire mesh knotted field fence is suitable for borders in fields and grassland for breeding of deer, cattle and other animals

Field fence is made of galvanized wire, Outer and inner wire diameter is different, and outside wire with high t/s. This knot acts as a hinge that gives under pressure, then springs back into shape. This provides easy installation because the hinge “gives” while retaining full height for continuing protection and good looks. Vertical wires are individually cut and wrapped for maximum strength and flexibility.

Specifications

CATTLE FENCE

Mesh sizes		G.W.(KG)	Wire diameter(mm)
7/150/813/50	102+114+127+140+152+178	19.3	2.0/2.5mm
8/150/813/50	89(75)+89+102+114+127+140+152	20.8	2.0/2.5mm
8/150/902/50	89+102+114+127+140+152+178	21.6	2.0/2.5mm
8/150/1016/50	102+114+127+140+152+178+203	22.6	2.0/2.5mm
8/150/1143/50	114+127+140+152+178+203+229	23.6	2.0/2.5mm
9/150/991/50	89(75)+89+102+114+127+140+152+178	23.9	2.0/2.5mm
7/150/1245/50	102+114+127+140+152+0178+203+229	26.0	2.0/2.5mm
10/150/1194/50	89(75)+89+102+114+127+140+152+178+203	27.3	2.0/2.5mm
10/150/1334/50	89+102+114+127+140+152+178+203+229	28.4	2.0/2.5mm
11/150/1422/50	89(75)+89+102+114+127+140+152+178+203+229	30.8	2.0/2.5mm

DEER NET

Vertical wire distance	3",4",5",6",7"
Mesh width	75mm, 150mm, 300mm, 450mm(3",6", 12", 18")
Wire diameter	2.4mm-2.6mm
Knot wire	2.0mm-2.24mm
Roll width	Any length ≤2.5m
Roll length	50m,100m,200m

* Material: Q195, steel wire * Classification: I. Electric galvanized II. Hot dipped galvanized III. High hot dipped galvanized * Application: Fence for feeding deer, sheep and cow, or other fences.

Plant Support



Plant Support, also known as plant stake, trellis, or climbing frame, is a specialized gardening accessory designed to provide structural support for climbing, vining, and heavy-bearing plants. Crafted from durable materials like metal, bamboo, plastic, and fiberglass, it guides plant growth upward, prevents stems from bending or breaking under the weight of fruits, flowers, or foliage, and optimizes air circulation and sunlight exposure. Suitable for tomatoes, cucumbers, roses, grapes, and various ornamental vines, it is an essential tool for home gardens, greenhouses, nurseries, and commercial farms, promoting healthier plant development and higher yields.

Specifications

We offer a diverse range of plant supports to cater to global gardening needs, from small potted herbs to large-scale commercial vineyards. Standard specifications are listed below, with full customization options available:

Model	Material	Type	Adjustable Height (cm)	Diameter/Frame Size (cm)	Thickness (mm)	Color	Suitable Plants
PS-01(TomatoCage)	Galvanized Steel + PVC Coating	Cage	60-120	30 (Diameter)	2.0-3.0	Green / Black	Tomato, Pepper, Eggplant
PS-02(ClimbingTrellis)	Aluminum Alloy	Grid Trellis	80-180	50×100 (Frame)	1.5-2.5	Silver / Bronze	Rose, Clematis, Grape
PS-03(BambooStake)	Natural Bamboo(Selected)	Stake	50-150(Fixed)	1.5-3.0 (Diameter)	-	Natural Brown	Flower, Herb, Small Vine
PS-04(FiberglassObelisk)	Fiberglass + UV Coating	Obelisk	100-200	40x40(Base)	3.0-4.0	White / Green	Morning Glory, Wisteria, Cucumber
PS-05(CustomSupport)	Customizable (Metal/Plastic/Bamboo)	Custom Type	30-250	Custom Size	1.0-5.0	Custom Color	Custom Plant Types

Value-Added Accessories: Each support set includes matching plastic ties (10-20pcs), adjustable clips (5-10pcs), and installation guide. Custom accessories like plant labels and watering rings are available upon request!

Steel Grating



Steel grating, also known as bar grating or metal grating, is an open grid assembly of metal bars, in which the bearing bars, running in one direction, are spaced by rigid attachment to cross bars running perpendicular to them or by bent connecting bars extending between them, which is designed to hold heavy loads with minimal weight. It is widely used as floors, mezzanines, stair treads, fencing, trench covers and maintenance platforms in factories, workshops, motor rooms, trolley channels, heavy loading areas, boiler equipment and heavy equipment areas, etc.

Steel grating is hot dip galvanized processing, offers the following advantages: saving materials, saving investment, easy installation, durable in use, light structure, no accumulation of dirt, good performance of ventilation, lighting, heat dissipation, anti-corrosive, anti-acid an alkali corrosion.

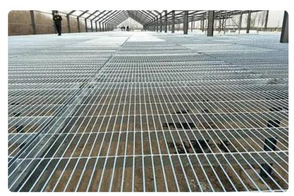
Specifications

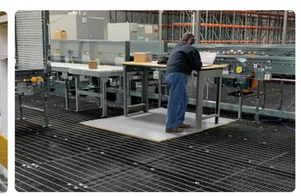
material	length(mm)	width(mm)	polish	mark
SS304 SS306	300	50	electro	Our factory can accept customerized . if the left sizes can't meet your requirements. Best price will be offered as soon as we received your inquiry.
	400	60	stain	
	500	70	No4	
	600	75	mirror	
	700	80	brushed	
	800	85		
	900	90		
	1000	100		
	1200	120		
	1500	150		
	2000	200		
	3000	300		

All gratings as per your requirements can be customerized

Application

1. Water treatment: repair walkway, trench cover board, large container, cleaning device, blocking grate, running water tank, biochemical water treatment pool pendant, ventilation window, stairs, cooling tower operation table paving surface.
2. Chemical plant: stairway board, operating platform, guardrail, double floor, trench cover board, filter grate oil
3. Industry: offshore oil platforms
4. Textile mill: replace metal grille, wooden platform and cover cement ground, next to the dye tank, floor, near the valve, etc..
5. Power plant: chemical water workshop trench cover plate, waste pool, etc..
6. Marine food processing plant: slippery surface and other harsh environment, ships.
7. Transport: platforms, ship decks, walkways, stairs.
8. Beverage industry: Staircase floor board, replacement of expensive stainless steel, loaded floor.






Storage Cage



Wire mesh container is also called storage cages and butterfly cages. They are an important type of logistics container in storage and transportation. They have the advantages of fixed storage capacity, neat stacking, storage at a glance, and easy inventory counting, and also improve the effective utilization of storage space.
The storage cage can be folded freely, and can be folded and stored when not in use, saving space in the warehouse.In addition, the product is durable, easy to transport, and can be reused, which can effectively reduce the manpower consumption and packaging costs of warehousing companies. This product can not only be used in factory production workshops, but also can be used in supermarkets as display promotion and warehousing, and can be used outdoors.
The improved wire mesh container can be placed on the shelf, the assembly line, or on the stacker: The wire mesh container with wheels can be quickly and easily turned around in the workshop. Wire mesh container with PVC plates or iron plates can prevent small parts from leaking

■ Specifications

model	wire dia(mm)	mesh grid(mm)	Length	Width	Height	Foot Height	volume(m3)	Loading Capacity(kg)
FPYA-3	6.0	50*50	800	600	640	100	0.22	250-2000
FPYA-5	6.0	50*50	1000	800	840	100	0.54	
FPYB-5(1021A)	6.0	50*50	1200	1000	890	100	0.84	
FPYB-5(810)	6.3	50*50	1000	800	840	100	0.52	
FPYB-7(1012)	6.3	50*50	1200	1000	890	100	0.84	
FPYB5-1/2(810S)	6.3	50*50	1000	800	500	100	0.26	
FPYS-5(810L)	6.3	50*100	1000	800	840	100	0.52	
FPYS-7(1012L)	6.3	50*100	1200	1000	890	100	0.84	
FPYC-2(508E)	5.0	25*50	800	500	540	100	0.15	
FPYC-5(810E)	5.0	50*50	1000	800	840	100	0.52	
FPYE-2(508)	3.0	30*30	800	500	530	100	0.15	
Surface Treatment: Power Coating or Galvanized								
Above is some of our usual dimensions of storage cage								
Non-standard types can be customized.								
Transport package :Plastic banding +stretch film wrapped ,Easy loading								



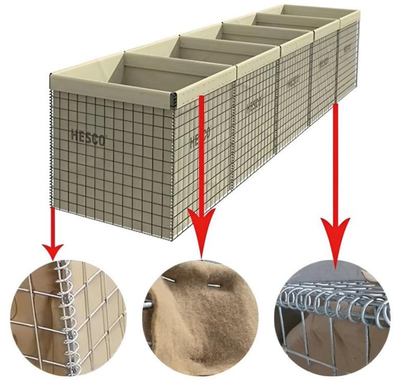




■ Advantages

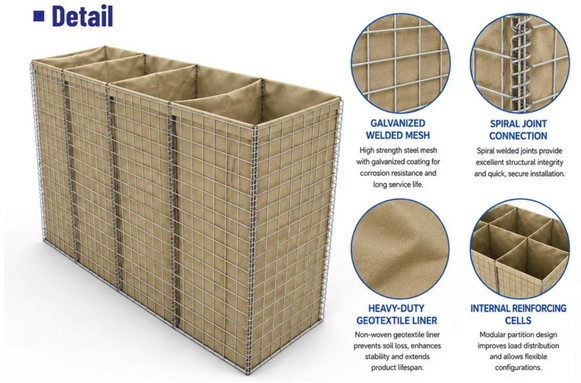
1,Able to be conveyed by pallet vehicles,forklift,elevator and crane ,four layers may be stacked.
2,Easy operation ,wide use and long service life .
3,Welded by strong steel bar,"U"shaped channel steel is used at the bottom to increase the solidity
4,Able to be used in the logistic circles ,such as transportation ,assembly and disassembly ,and storage ,by integreating transportaion equipments .
5,Cadboard can be euippped in the basket to protect the surface of materials and ensure the completeness of materials during storage and transportation ,so that the cost is reduced and the efficiency is increased

Hesco Barrier



HESCO barriers are modular, rapidly deployable defensive systems consisting of collapsible welded wire mesh frames lined with heavy-duty, non-woven polypropylene geotextile fabric. Once positioned, the units are filled with locally available materials such as sand, soil, or gravel to create stable, impact-resistant protective structures. With over 35 years of proven performance, HESCO barriers are trusted by military forces, government agencies, and humanitarian organizations worldwide

■ Detail



■ Scene Image

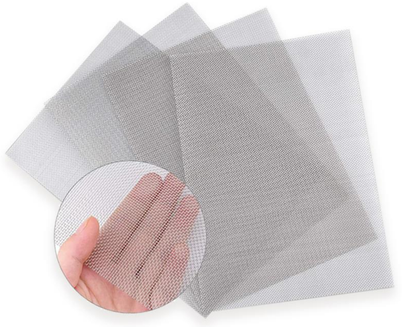


■ Hesco barrier structure, assemble and install



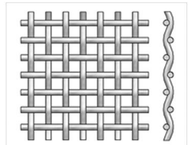
STAINLESS STEEL & ALLOY WIRE MESH

Stainless Steel Wire Mesh

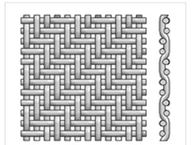


Stainless Steel Wire Mesh is manufactured from high-quality stainless steel wire and offers excellent strength, corrosion resistance, and long-term durability. It is widely used in industrial, agricultural, architectural, and filtration applications where reliable performance is required, even in harsh environments. The mesh provides precise openings, a smooth surface, and excellent resistance to rust, heat, and chemicals. Stainless steel wire mesh can be customized in different mesh sizes, wire diameters, widths, and roll lengths to meet various project requirements. Common materials include SS304, SS304L, SS316, and SS316L, ensuring outstanding performance in both indoor and outdoor applications.

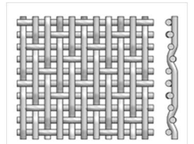
■ Product Detail



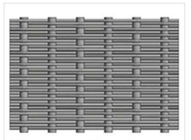
Plain Weave



Twill Weave



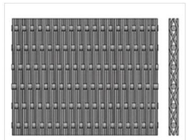
Five-Heddle Weave



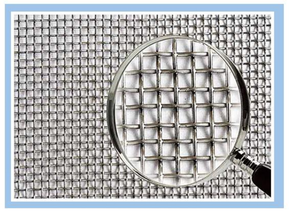
Ducth Twill



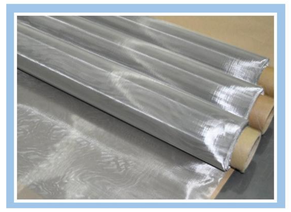
Dutch Plain

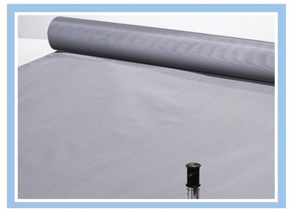


Reverse Dutch Weave









■ Applications

Material:	SS 201, 202, 304, 304L, 316, 316L, 321, 430, etc.
Wire Diameter:	0.015-2.8mm
Woven style	Plain,Twill,Dutch Twill,Reverse Dutch,Five-Heddle
Mesh count:	1-635 mesh
Characteristic:	Wear resistance, long service life, accurate mesh, uniform structure, no curl, easy to use, uniform screen thickness, anti static
Product Using:	Alkali environment conditions sieving and filtering,Petroleum industry as mud mesh,Chemical fiber industry as screen mesh

Duplex Stainless Steel Wire Mesh



Duplex Stainless Steel Wire Mesh is manufactured from premium duplex stainless steel, combining the advantages of austenitic and ferritic stainless steels. It offers exceptional mechanical strength, superior corrosion resistance, and excellent durability, making it ideal for demanding environments such as marine, chemical processing, oil & gas, and offshore applications.
Compared with conventional stainless steel wire mesh, duplex stainless steel wire mesh provides higher tensile strength, better resistance to chloride stress corrosion cracking, pitting, and crevice corrosion, ensuring reliable performance and a longer service life in aggressive conditions.

■ Specifications

Material	904L, 254Mo, S31803/2205, S32750/2507
Weaving Type	Plain weave, Twill weave, Dutch weave
Diameter	0.025-2mm
Mesh No.	Plain weave :1-350 mesh.,Twill weave: 800mesh.,Twill Dutch:20x250-100x800 mesh
Width	Common width0.914m,1m,1.22m,1.3m,1.5m, 1.8m,2m super width can be customized,Less 1m can be cut to belt
Length	Common 30m length/roll,The length according to customers' request
Surface	Bright and Flat
Characteristics	High strength, corrosion resistance, wear resistance and fatigue resistance, weldability, temperature adaptability
Application Areas	Oil and Gas,Downhole Screens,Heat Exchanger Mesh,Chemical and Pharmaceutical Industries,Catalyst Supports,Distillation Tower Packing,Marine Engineering,Seawater Desalination Filters,Ship Antifouling Mesh

Monel Wire Mesh



The Monel wire mesh is a type of woven mesh, which is weaved from nickel-based alloy wire. Monel is the alloy of nickel, copper and other chemical elements. According to different chemical elements, the monel wire mesh has Monel alloy 400 and monel alloy K500 materials.
Alloy 400 has outstanding corrosion resistance property in the flowing sea water. It can also resist to stress corrosion cracking. Alloy 400 is the most widely used monel material.
Alloy K500 also has outstanding corrosion resistance property like the Monel alloy 400, but the Monel alloy K500 has been added aluminum, which can let the monel K500 offer greater tensile strength and hardness than the Monel alloy 400.
The monel wire mesh includes fine woven wire mesh, which has the mesh size larger than 80 meshes, and coarse woven wire mesh with the meshes no larger than 80 meshes.

■ Chemical Composition

Material	C	Mn	Si	S	Ni	Cu	Fe
Monel 400	≤0.30	≤2.00	≤0.50	≤0.024	≥63	28.0~34.0	≤2.5

Material	C	Mn	Si	S	Ni	Cu	Ti	Al	Fe
Monel K500	≤0.25	≤1.50	≤0.50	≤0.010	≥63	27.0~33.0	0.35~0.85	2.30~3.15	≤2.5

FeCrAl Wire Mesh



FeCrAl Wire Mesh is manufactured from high-performance iron-chromium-aluminum (FeCrAl) alloy wire, offering outstanding resistance to high temperatures, oxidation, and corrosion. Designed for demanding thermal environments, it maintains excellent mechanical strength and dimensional stability even under continuous exposure to extreme heat.
Compared with conventional stainless steel wire mesh, FeCrAl wire mesh provides superior oxidation resistance and a longer service life at elevated temperatures, making it an ideal material for industrial heating systems, furnaces, heat treatment equipment, and filtration applications.

Specification

Mesh	Wire Gauge	Aperture (mm)	Wire Diameter (mm)	Roll Width (m)	Weight (kg/m2)
8 (T)	21	2.375	0.8	1.0	2.5
8 (T)	22	2.475	0.7	1.0	1.84
10 (T)	23	1.94	0.6	0.6	1.69
12T)	24	1.557	0.559	1.0	1.8
17 T)	24	0.94	0.55	0.6	2.57
20 (P)	33	1.02	0.25	1.0	0.587
20 (P)	32	1.0	0.27	1.0	0.685
20 (P)	30	0.97	0.30	1.0	0.846
25 (P)	30	0.71	0.30	1.0	1.125
30 (P)	38	0.69	0.15	1.0	0.30
34 (P)	33	0.49	0.25	1.0	1.06
40 (P)	35	0.425	0.21	1.0	0.83
40 (T)	35	0.425	0.21	1.0	0.83
44(T)	35	0.367	0.21	1.0	0.88
60 (T)	38	0.273	0.15	1.0	0.66
80 (P)	43	0.227	0.09	1.0	0.324

Inconel Wire Mesh



Inconel Wire Mesh is manufactured from premium Inconel nickel-based alloy wire, offering exceptional resistance to high temperatures, oxidation, corrosion, and chemical attack. It is specifically designed for demanding applications where conventional stainless steel mesh cannot withstand extreme operating conditions.
With excellent mechanical strength and stability at elevated temperatures, Inconel wire mesh maintains its performance in highly corrosive and high-pressure environments. It is widely used in aerospace, chemical processing, power generation, marine engineering, and heat treatment industries.

Specification

Material	Inconel 600 (N06600), Inconel 601 (N06601), Inconel 625 (N06625), Inconel 718 (N07718), Inconel X-750 (N07750)
Type	Inconel Dutch Wire Mesh, Inconel Twill Wire Mesh
Weave Technique	Plain weave, Twill weave
Mesh	4-200mesh
Mesh Width	1 m-2m
Mesh Length	1-100m
Nickels	8%
Usage	Filter, Construction Wire Mesh, Screen

Chemical Composition

Grade	C	Cr	Cu	Fe	Mn	Ni	S	Si
Inconel 600	0.15	14-17	0.5	6-10	1.0	72.0	0.015	0.5

Grade	C	Cr	Cu	Fe	Mn	Ni	S	Si	Al
Inconel 601	0.1	21-25	1.0	Rem	1.0	58-63	0.015	0.5	1.0-1.7

Grade	C	Cr	Fe	Mn	Ni	S	Si	Al	Cb	Mo	P	Ti
Inconel 625	0.1	20- 23	5.0	0.5	Rem	0.15	0.5	0.4	3.15-4.15	8-10	0.015	0.4

Grade	C	Cr	Cu	Fe	Mn	Ni	S	Si	Al	Cb	Mo	P	Ti	B	C	Co
Inconel 718	0.08	17-21	0.3	Rem	0.035	50 - 55	0.015	0.35	0.2 - 0.8	4.75- 5.50	2.8 - 3.3	0.015	0.65- 1.15	0.006	0.08	1.0

Grade	C	Cr	Cu	Fe	Mn	Ni	S	Si	Al	Cb	Ti
Inconel 750	0.08	14-17	0.5	5-9	1	70	0.01	0.5	0.4-1	0.7-1.2	2.0-2.6

Hastelloy Wire Mesh



Hastelloy Wire Mesh is manufactured from premium Hastelloy nickel-based alloy wire, providing exceptional resistance to corrosion, high temperatures, and aggressive chemical environments. Common alloy grades include Hastelloy C-276, Hastelloy C-22, Hastelloy B-2, and Hastelloy X to meet different industrial requirements.It is specifically engineered for applications involving strong acids, chlorides, oxidizing and reducing media, where conventional stainless steel materials may fail.
Known for its outstanding chemical stability and mechanical strength, Hastelloy wire mesh maintains reliable performance under extreme operating conditions. It is widely used in chemical processing, petrochemical, pharmaceutical, marine, environmental protection, and pollution control industries.

Specifications

Grade	Weave Style	Mesh Size	Wire Diameter	Roll Dimensions	Packaging
Hastelloy B	Plain/Twill Weave	16×16-200×200mesh	0.05-0.35 mm (0.0020-0.0140 inch)	Width 0.1-1.5m; Length 10-100m	Moisture-proof paper + Wooden case/Pallet
HastelloyC22	Plain/Twill/Dutch Weave	2-200 mesh	0.05-1.8 mm (0.0020-0.071 inch)	Width 0.1-1.5m; Length 10-100m	Moisture-proof paper + Wooden case/Pallet
HastelloyC276	Plain/Twill/Dutch Weave	2-300 mesh	0.03-1.8 mm (0.0012-0.071 inch)	Width 0.1-1.5m; Length 10-100m	Moisture-proof paper + Wooden case/Pallet
Hastelloy X	Plain/Twill Weave	2-100 mesh	0.1-1.8 mm (0.004-0.071 inch)	Width 0.1-1.5m; Length 10-100m	Moisture-proof paper + Wooden case/Pallet

Mesh	Wire Diameter (mm)	Wire Diameter (inch)	Opening (mm)	Open Area (%)
2	1.80	0.071	10.90	78.2
0	0.711	0.028	3.522	51.8
16	0.345	0.014	1.243	50.7
50	0.173	0.0068	0.335	36.0
100	0.100	0.004	0.154	37.2
200	0.051	0.002	0.076	36.1

Chemical Composition

Grade	Ni	Mo	Cr	Fe	W	Co(max)	C(max)	Si (max)	Mn(max)	P(max)	S(max)
Hastelloy B	Remainder	26.0-30.0	2.5	1.0—6.0	-	0.12	0.03	0.6	1.0	0.04	0.03
HastelloyC22	Remainder	12.8-14.5	14.5-20.0	2.0-6.0	2.5-3.5	2.5	0.015	0.08	0.5	0.03	0.02
HastelloyC276	Remainder	15.0-17.0	14.5-16.5	4.0-7.0	3.0-4.5	2.5	0.02	0.08	1.0	0.03	0.03
Hastelloy X	Remainder	8.0-10.0	17.0-20.0	17.0-20.0	0.6-1.5	1.0	0.08	1.50	2.0	0.03	0.03

Nickel Wire Mesh



Nickel Wire Mesh is manufactured from high-purity nickel wire (typically Nickel 200 or Nickel 201) through precision weaving. It offers outstanding resistance to corrosion, oxidation, alkalis, and high temperatures, making it an ideal choice for demanding industrial environments. Nickel wire mesh is widely used in chemical processing, battery manufacturing, aerospace, electronics, electroplating, filtration, and hydrogen production industries.
Material: nickel 200, nickel 205, nickel 270, N2, N4, N6, N8.
Weaving type: plain weave, twill weave and dutch weave.
Wire diameter: 0.0018" - 0.0280".
Mesh size: 8 mesh - 200 mesh.
Width: 36", 48".
Length: customized

Specifications

Type	Specifications	Weaving Type	Material
Typical Woven	35/0.18mm	Plain Weave	N6,NO2200
	39/0.15mm	Plain Weave	N6,NO2200
	39/0.16mm	Plain Weave	N6,NO2200
	40/0.15mm	Plain Weave	N6,NO2200
	40/0.16mm	Plain Weave	N6,NO2200
	40/0.18mm	Plain Weave	N6,NO2200
	60/0.15mm	Plain Weave	N6,NO2200
Typical Elastic	50-400 needles/0.153x1180	knitting	N6,NO2200
	50-400 needles/0.153x1220	knitting	N6,NO2200
	≤1600mm/0.16mm	knitting	N6,NO2200

Chemical Composition of Nickel wire mesh:

Grade	C%	Cu%	Fe%	Mn%	Ni%	S%	Si%	Co%	Cr%	Mg%	Ti%
Nickel 200	0.015	0.25	0.40	0.35	99.0	0.01	0.35	--	--	--	--
Nickel 205	0.02	0.001	0.005	0.001	99.97	0.001	0.001	0.001	0.001	0.001	0.001
Nickel 270	0.15	0.15	0.20	0.35	99.0	0.15	0.15	--	0.01-0.05	0.01-0.08	--

Grade	Ni+Co	Cu	Si	Mn	C	Mg	S	Fe	ImpuritySum
	Min	Max							
N2	99.98	.001	.003	.002	.005	.003	.001	.007	.02
N4	99.9	.015	.03	.002	.01	.01	.001	.04	.1
N6	99.5	.06	.10	.05	.10	.10	.005	.10	.5
N8	99.0	.15	.15	.20	.20	.10	.015	.30	1.0

Applications of Pure Nickel Wire Mesh:

The nickel woven wire mesh is widely used as the filtration materials in the mining, oil, chemical, food, pharmaceutical, machine and other fields. The nickel woven wire mesh has high electrical conductivity, so it can be used in the electronics. The nickel woven wire mesh also can be used for battery production

Nichrome Wire Mesh



Nichrome Wire Mesh is a high-performance alloy mesh made from nickel-chromium alloys (typically Ni80Cr20 or custom ratios). It boasts excellent high-temperature resistance (up to 1200°C/2192°F), high electrical resistivity and oxidation resistance at elevated temperatures. It maintains structural stability in harsh conditions, widely used as heating elements, high-temperature filters and thermal insulation materials in industrial and commercial fields.

Nichrome wire mesh has following features: Good ductility. High tensile strength. Oxidation resistance. Sulfur resistance. Permeability resistance. Superior elongation. Non-magnetic. High temperature resistance.

Applications of Nichrome wire mesh:

Nichrome wire mesh is widely used in the aerospace, shipbuilding, war industry, chemical machinery, electric power, desalination, medical apparatus and instruments.

Specifications

Standard Nichrome Alloy Specifications

Alloy Type	Weave Style	Mesh Size	Wire Diameter	Roll Dimensions	Packaging
Ni8OCr20	Plain/Twill Weave	0x10-300×300mesh	0.02-1.2 mm (0.0008-0.047 inch)	Width 0.5-2.0m; Length 10-50m	Moisture-proof paper + Wooden case/Pallet
Ni6OCr15	Plain/Twill Weave	10x10-200×200mesh	0.03-1.5 mm (0.0012-0.059 inch)	Width 0.5-2.0m; Length 10-50m	Moisture-proof paper + Wooden case/Pallet
Custom Alloys	Plain/Twill/Dutch Weave	5x5-400x400mesh	0.01-2.0mm (0.0004-0.079 inch)	Customized	Customized

Detailed Specification for Nichrome 80/20 Wire Mesh

Mesh	Wire Diameter (mm)	Wire Diameter (inch)	Opening (mm)	Open Area (%)	Max Temp (°C)
10	0.80	0.0315	1.74	49.2	1200
40	0.25	0.0098	0.385	47.5	1200
100	0.10	0.0039	0.154	58.5	1200
200	0.05	0.0020	0.079	62.4	1150
300	0.03	0.0012	0.054	64.8	1100

Chemical Composition of Nichrome Wire Mesh

Grade	%	Ni	Cr	Fe	Al	Mn	Si	C	P	S
Cr2ONi80	Min	Bal	20	-	-	0.6	0.75	0.08	0.02	0.08
	Max		23	1.0	0.2		1.6			
Cr15Ni60	Min	55	15	Bal	-	-	0.75	0.08	0.02	0.15
	Max	61	18		0.5	0.6	1.6			
Cr20Ni35	Min	34	18	Bal	-	1.0	1	0.1	0.03	0.025
	Max	37	21		0.5		3			

Copper Mesh



Copper Mesh is made of various copper wires through warp and weft weaving.
Copper mesh can be divided into Brass Wire Mesh, Phosphor Bronze Wire Mesh, and Red Copper Wire Mesh according to different materials. Different copper alloys provide different levels of strength, corrosion resistance, electrical conductivity, and wear resistance to meet various industrial applications.

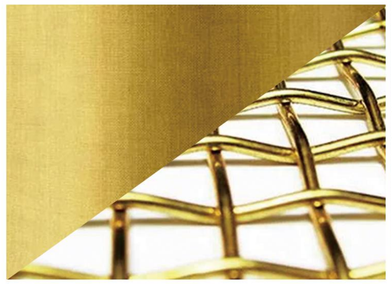
Copper Wire Mesh advantages

copper mesh products are widely used in industrial filtration, petroleum, chemical industry, printing, electronics, electromagnetic, signal shielding and other fields. It is with more than 20 years experience in copper mesh production, with systematic and perfect quality control measures, our imported looms and domestic looms can meet the quality requirements of various product standards.

Specifications

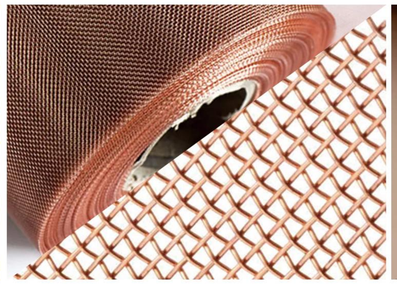
Material	Weave Type	Wire Diameter (mm)	Mesh Count (Mesh/Inch)	Opening Size (mm)	Width (m)	Length (m)	Surface Treatment
Pure Copper(Cu ≥ 99.9%)	Plain Weave	0.08 - 2.0	4-400	0.06 - 6.2	0.5-2.0	10-50	Natural, Polished,Tinned
Brass (Cu-Zn Alloy)	Twill Weave	0.1-2.5	3-300	0.08-8.3	0.5-2.0	10-50	Natural,Electroplated(Ni/Au)
Bronze (Cu-Sn Alloy)	Dutch Weave	0.09 -2.2	5-350	0.07-5.8	0.5-2.0	10-50	Natural, Passivated
Pure Copper(Cu ≥ 99.9%)	Dutch Weave	0.08-1.8	10-450	0.05-2.5	0.5-2.0	10-50	Tinned, Polished

Material



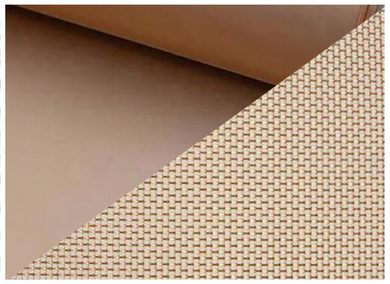
Brass wire mesh

Brass wire mesh is also named brass wire cloth that offers excellent electrical and thermal conductivity. It's an ideal mesh for fabricating gasoline filters and baskets for electro polishing. It possesses greater strength than copper or bronze. Applications include electronic security, aviation, outer space exploration and research, power generation, electronic information security, high-frequency scientific and medical equipment.



Red Copper Wire Mesh

Red Copper Wire Mesh is woven with Pure copper wire 99.9%, Annealing to make the wire more flexible, Class A process.
The soft and malleable properties of copper metal make it ideal for woven wire mesh and wire cloth.
It is often used in industry for its properties of high electrical conductivity and thermal conductivity as it conducts heat up to eight times better than other commonly used metals.



Phosphor Bronze Wire Mesh

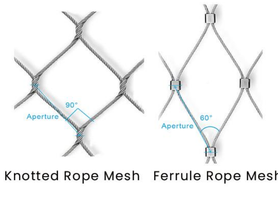
Phosphor bronze wire is an alloy of copper and zinc, offers much better abrasion resistance, better corrosion resistance and lower electrical conductivity as compared with copper wire. Our company can supply phosphor bronze wire mesh or phosphor bronze wire cloth from 1 mesh to 400mesh. Width from 0.6m to 1.3m, length from 15m to 100m.

Stainless Steel Wire Rope Mesh



Stainless steel wire rope mesh is a woven mesh based on stainless steel wire ropes (usually 304/316/316L grade), formed by crimping, interlocking or welding. Each wire rope consists of twisted strands and fine wires, providing excellent tensile strength, flexibility and impact resistance, adaptable to complex installation environments.

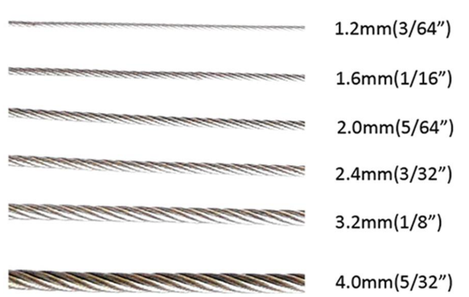
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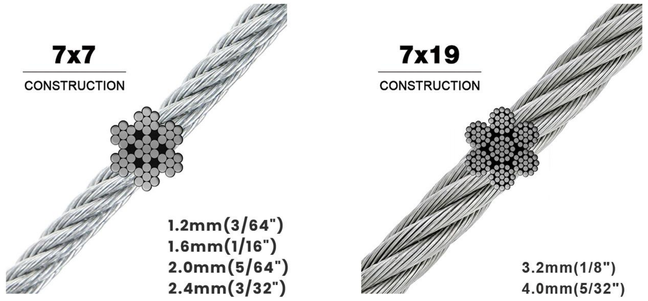
Knotted Rope Mesh Ferrule Rope Mesh

Chemical Composition(%)

SteelGrade	C	S	Mn	P	S	Cr	Ni	Mo
304	≤0.08	≤1.00	≤2.0	≤0.045	≤0.030	18.0-20.0	8.0-12.0	
304L	≤0.03	≤1.00	≤2.0	≤0.045	≤0.030	18.0-20.0	8.0-12.0	
316	≤0.08	≤1.00	≤2.0	≤0.045	≤0.030	16.0-18.0	10.0-14.0	2-3
316L	≤0.03	≤1.00	≤2.0	≤0.045	≤0.030	16.0-18.0	10.0-14.0	2-3



Wire Rope Diameter

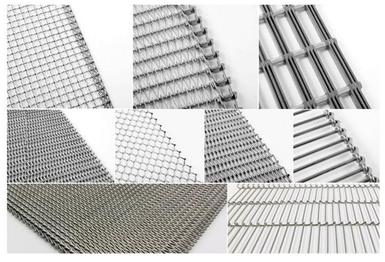


Wire Rope Structure

Application



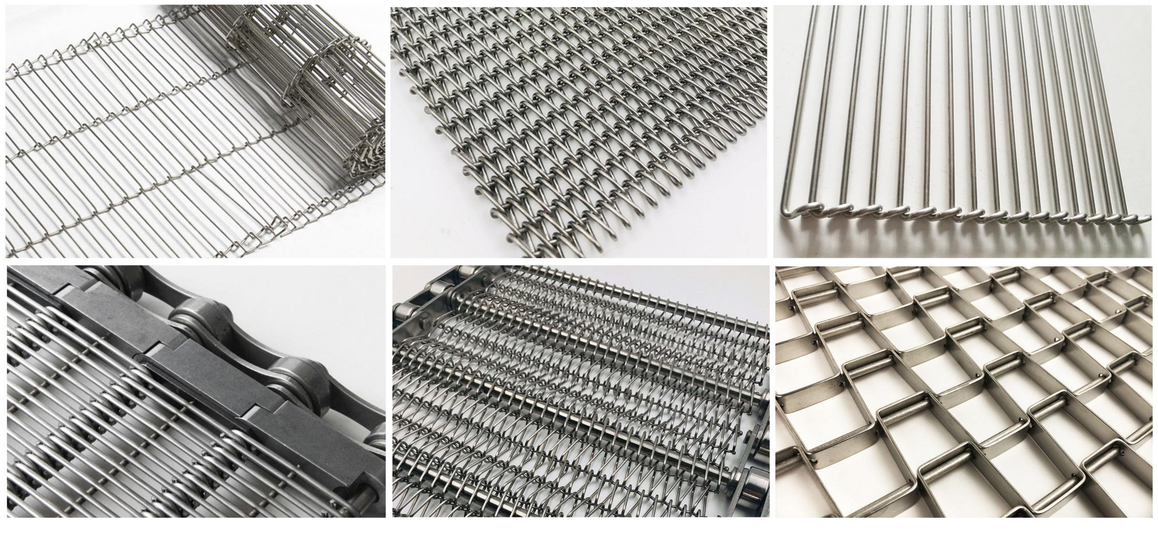
Stainless Steel Conveyor Belt



Stainless Steel Conveyor Belt is manufactured from high-quality stainless steel wire through precision weaving or chain-link fabrication. It offers excellent strength, corrosion resistance, heat resistance, and wear resistance, making it suitable for conveying materials in demanding industrial environments. Stainless steel conveyor belts are widely used in food processing, baking, heat treatment, metallurgy, electronics, pharmaceuticals, chemical processing, and drying equipment.

Materials: 1Cr13 conveyor belt, 201 conveyor belt, 304 conveyor belt, 316 conveyor belt.

Type



METAL FENCE

3D Mesh Fence



3D mesh fence, also called Curve wire mesh fence, and wire mesh fence, is widely used in garden, factory,railway, farmland and residence.
Curved wire mesh fence can supply strong strength and rigidity.Besides curves varies according to the fence heightto provide optimum strength.

■ Surface treatment



Hot Dip Galvanizing



Powder Coating

■ Specifications

3D Panel Fence (Galvanized + Powder Coated)				
Panel Height	**Panel Length**	**Wire Dia.**	**Mesh Size**	**Folds No.**
H=1.03m	L=2.5m	4.0mm/5.0mm	50x200mm	2
H=1.23m	L=2.5m	4.0mm/5.0mm	50x200mm	2
H=1.53m	L=2.5m	4.0mm/5.0mm	50x200mm	3
H=1.73m	L=2.5m	4.0mm/5.0mm	50x200mm	3
H=2.03m	L=2.5m	4.0mm/5.0mm	50x200mm	4

Fence Post	Type	Rectangle post/Peach post/Round post
	Material	Q195-Q235
	Surface Treatment	Hot-dipped Galvanized, Hot-dipped Galvanized then Powder coating
Fence Accessories	Clips/Clamps	Metal Clips and Plastic Clips
	Rainhat or caps	Metal caps or plastic caps
Application	Used as fencing, decoration or protection for various facilities in industry, agriculture, transport,etc.	

■ Applications

3D Mesh Fence is widely applied in residential gardens, schools, parks, sports fields, industrial sites, highways, airports, warehouses, and public facilities. Its combination of strength, visibility, and modern appearance makes it ideal for both security and decorative fencing.

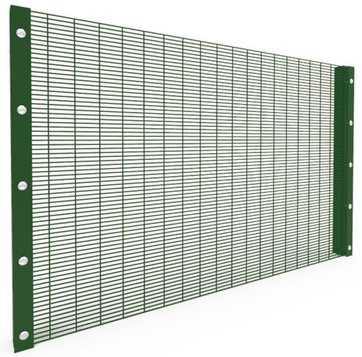








358-High-Security fence



358 High security fencing systerm is well known in the world as an anti-climb & anti-cut through barrier, while providing the lowest level of visual impact to the surroundings. The panels are welded with high quality carbon steel wires. It is designed to give attractive, long lasting and secure perimeter protection for industrial and commercial properties, public utilities, and it is really suited for electronic alarm and detection systems - no blind spots for CCTV. It is also a good choice for Military,airports, secure units and prisons.

■ Specifications

Fence height (m)	Panel size (Height × Width) (mm)	Fence Post (Height × Size × Thick)(mm)	Clamp Bar (Height × Width × Thickness)(mm)	Middle or corner Clamp No. (pcs)
2	2000 × 2515	2700 × 60 × 60 × 2.5	2000 × 60 × 5.00	7 or 14
2.4	2400 × 2515	3100 × 60 × 60 × 2.5	2400 × 60 × 5.00	9 or 18
3	3000 × 2515	3800 × 80 × 80 × 2.5	3000 × 80 × 6.00	11 or 22
3.3	3300 × 2515	4200 × 80 × 80 × 2.5	3300 × 80 × 6.00	12 or 24
3.6	3600 × 2515	4500 × 100 × 100 × 3.0	3600 × 100 × 7.00	13 or 26
4.2	4200 × 2515	5200 × 100 × 100 × 4.0	4200 × 100 × 8.00	15 or 30
4.5	4500 × 2515	5500 × 100 × 100 × 5.0	4500 × 100 × 8.00	16 or 32
5.2	5200 × 2515	6200 × 120 × 120 × 5.0	5200 × 100 × 8.00	18 or 36

■ Product Features



Anti-climb
Very small mesh hole,Fingers and toes can't get in.



Anti-cut
Robust wire and welded joints make cutting very difficult.



High strength
The superior welding technique and process control create a stronger fusion between the wires.

■ Applications

Prisons, detention centers, and psychiatric hospitals;Airports, seaports, and railway facilities;Power stations, substations, and water treatment plants;Military sites, government buildings, and border security;Industrial complexes and warehouses requiring maximum protection







BRC Fence



Roll top Fence is also called as BRC Korean style Welded Wire Mesh, SSM Fence, The unique top and bottom “rolled” edges is not just decorative in appearance but give individual panel maximum rigidity and act as horizontal support between posts.Rolled top Fence is a new trend for fencing industry in recent year. Its quality welded wire mesh with hot dipped galvanized or PVC coated provides longer durability compare to common chain link fence.It is durable, easily installed and can be customized according to the preferences of our customers, making it an ideal choice fencing solution.

■ Type

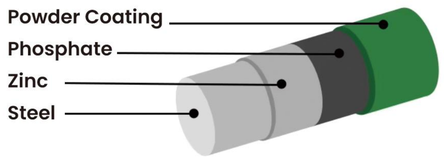


BRC fence with round post

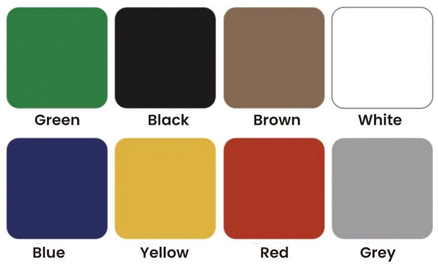


BRC fence with square post

■ Composition



■ Color



■ Specifications

Material: Low carbon steel wire, galvanized wire
Surface Treatment: electro galvanized before/after welding ， hot dipped galvanized, before/after welding PVC coated(inner wire black/galvanized wire), PVC spray

Mesh Opening	Wire Diameter	Height of Fence	Width of Fence	Post Type		
				Round Post	Square Post(SHS)	Rectangular Post(RHS)
50x200mm 50x100mm 50x150mm 75x100mm 75x200mm	4/4.5/5/6mm	0.9-2.4m	1.5-3.0m	48ODx1.5/2.0mm 60ODx1.5/2.0mm	50x50x1.5/2.0mm 60x60x1.5/2.0mm 80x80x1.5/2.0mm	40x60x1.5/2.0mm 40x80x1.5/2.0mm 60x80x1.5/2.0mm 80x100x1.5/2.0mm

■ Applications

Roll Top fence is also called BRC fence, the panel is extremely rigid and with good see through visibility. This system is ideal where safety is paramount, creating an ideal for Parks and Recreational fencing, Playground fencing and School fencing.

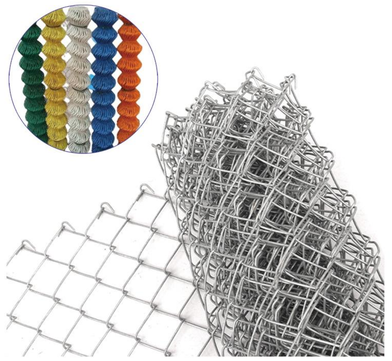








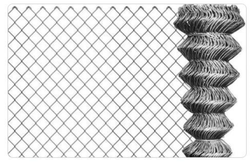
Chain Link Fence



Chain link fence (also referred to chain link, chain link fencing, chain link gate, fence parts, chain link privacy, wire fence, fence slats, privacy fence, vinyl fence, galvanized chain link fence, diamond wire mesh) is a type of woven fence usually made from galvanized or black /green color PVC-coated steel wire, etc.



■ Surface Treatment



Galvanized Chain Link Fence



PVC Coated Chain Link Fence

■ Edges type



Knuckle – Knuckle Selvdge

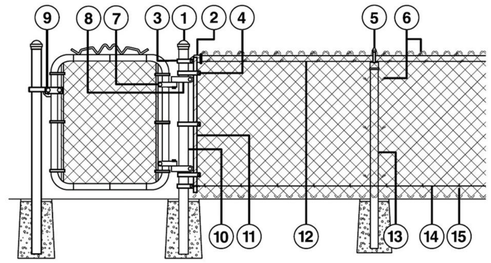


Knuckle – Twist Selvdge



Twist – Twist Selvedge

■ Accessories list



1. Terminal Post Cap
2. Rail End
3. Rail End Band
4. Tension Band
5. Line Post Top
6. Fence Tie
7. Gate Frame Hinge
8. Gate Post Hinge
9. Gate Fork Latch
10. Terminal Post
11. Tension Bar
12. Top Rail
13. Line Post
14. Bottom Tension Wire
15. Tension Wire Clip

■ Specifications

Galvanized Chain link fence

Mesh Opening		Wire Thickness		Height	Length
inch	mm	bwg	mm	cm	m
3/4	20 X 20	18; 16; 14	1.2-2.1	50-500	10; 15; 20; 25; 30
1	25 X 25	18; 16; 14	1.2-2.1	50-500	10; 15; 20; 25; 30
1-1/4	30 X 30	18; 16; 14;12; 10	1.2-3.4	50-500	10; 15; 20; 25; 30
1-1/2	40 X 40	18; 16; 14;12; 10	1.2-3.4	50-500	10; 15; 20; 25; 30
2	50 X 50	16; 14;12; 10	1.6-3.4	50-500	10; 15; 20; 25; 30
2-3/8	60 X 60	16; 14;12; 10	1.6-3.4	50-500	10; 15; 20; 25; 30
3	75 X 75	14; 12; 10	2.1-3.4	50-500	10; 15; 20; 25; 30
4	100 X 100	14; 12;10; 8	2.1-4.0	50-500	10; 15; 20; 25; 30

PVC coated chain link fence

Opening	Wire Gauge	Width	Length
60 x 60mm	2.0/3.0mm	0.5-5m	1.0m-50m
50 x 50mm	1.8/2.8mm	0.5-5m	1.0m-50m
50 x 50mm	2.0/3.0mm	0.5-5m	1.0m-50m

■ Applications

China link fence widely used in school playgrounds, so it's well known as Playground fence, Sports fence. Chain link fence is extensively used as a fence for school, playground, garden,high-way etc. It also can be used for breeding animals. Children's Playgrounds,Playing Fields, Recreational Grounds.





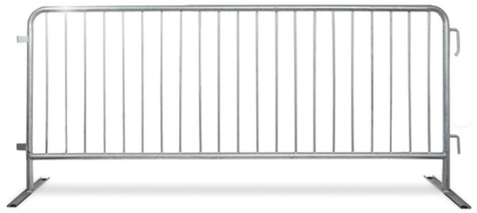








Crowd Control Barrier



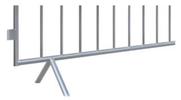
Crowd Control Barriers,also known as pedestrian barrier, is designed to safely manage pedestrian traffic and secure temporary restricted areas. Made from high-quality galvanized steel, they offer excellent strength, corrosion resistance, and long-lasting performance for both indoor and outdoor applications.
The interlocking design allows for quick installation and flexible layouts, while the sturdy feet provide outstanding stability. Ideal for concerts, sporting events, exhibitions, construction sites, roadworks, and public gatherings, these barriers offer a reliable and cost-effective crowd management solution.



Feet Type



Bridge Feet



Welded Fixed Feet



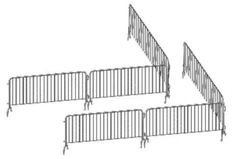
Flat Feet

Feature



01. Colorful For Outdoors

Hot dipped or powder coating surface supplies corrosion re-sistance and various colors for different use.



02. Flexible Structure

Combine as many as crowd control barriers you want for your use without any difficult.



0.3 Pedestrian & Vehicle Gate

Pedestrian or vehicle gates can be supplied according to your sizes.to your sizes.

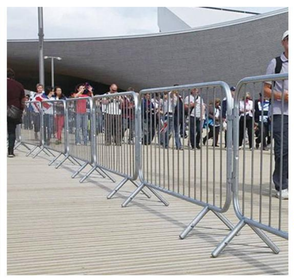
Specifications

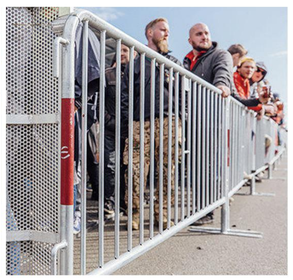
Frame	Infilled Pipe	Pane Width	Panel Height	Foot	Surface Treatment
32x1.2/1.5/2.0mm 38x1.2/1.5/2.0mm 42x1.2/1.5/2.0mm 48x1.2/1.5/2.0mm	12x0.7mm 14x1.0mm 16x1.0mm 20x1.2mm 25x1.2mm	2.0m 2.1m 2.2m 2.4m 2.5m	1.1m 1.25m 1.5m	welded on the frame or removable	hot dipped galvanized, galvanized + powder coated

Applications

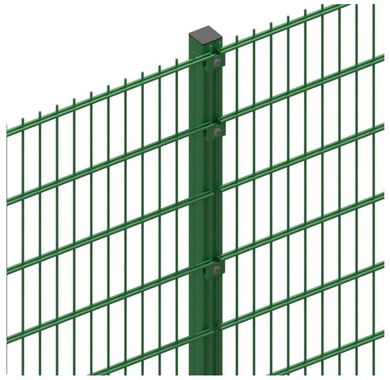








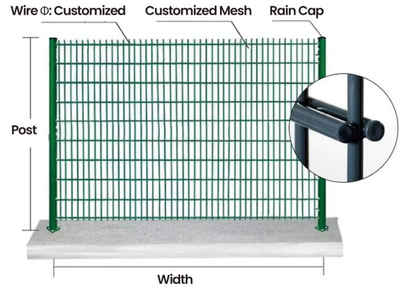
Double Wire Fence

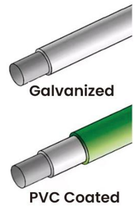


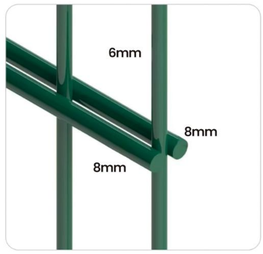
Double Wire Fence is a high-strength welded mesh fencing system designed for superior security and durability. Constructed with double horizontal wires and a single vertical wire, it provides excellent rigidity, impact resistance, and long-term performance.
Featuring a galvanized or powder-coated finish, the fence offers outstanding corrosion resistance and requires minimal maintenance. It is widely used for industrial facilities, commercial properties, schools, parks, warehouses, airports, and other perimeter security applications.

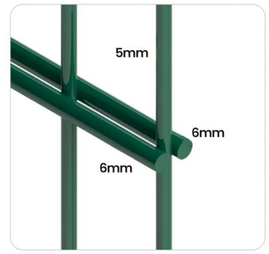
Main Features

Double horizontal wire design for extra strength and rigidity
Excellent impact resistance and anti-climbing performance
Hot-dip galvanized or powder-coated for superior corrosion protection
Strong welded construction with long service life
Easy installation and low maintenance
Various heights, colors, and mesh sizes available
OEM and customized specifications supported





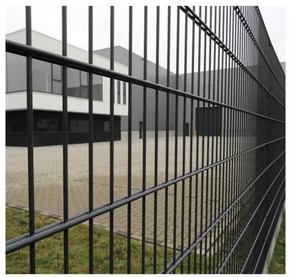




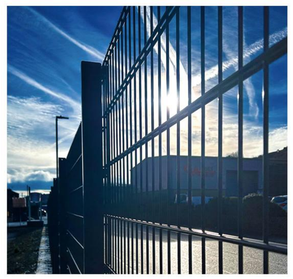
Specifications

Panel						Post				
Height(mm)	Width(mm)	Mesh(mm)	Horizontal wire	Vertical wire	Mass(kgs)	Design	Post Length(mm)	Fange Size(mm)	Section(mm)	Mass(kgs)
1230	2500	50×200	6mm×2	5mm×1	17.45		1280	130×130×8	60×60×1.5	4.51
1430	2500	50×200	6mm×2	5mm×1	20.13		1480	130×130×8	60×60×1.5	5.06
1630	2500	50×200	6mm×2	5mm×1	22.82		1680	130×130×8	60×60×1.5	5.61
1830	2500	50×200	6mm×2	5mm×1	25.50		1880	130×130×8	60×60×1.5	6.16
2030	2500	50×200	6mm×2	5mm×1	28.19		2080	130×130×8	60×60×1.5	6.71
2230	2500	50×200	6mm×2	5mm×1	30.87		2280	130×130×8	60×60×1.5	7.26

Applications

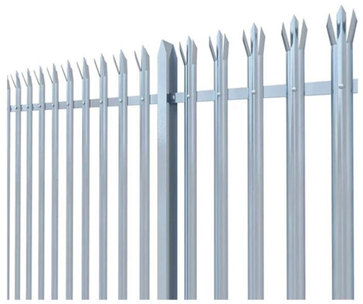






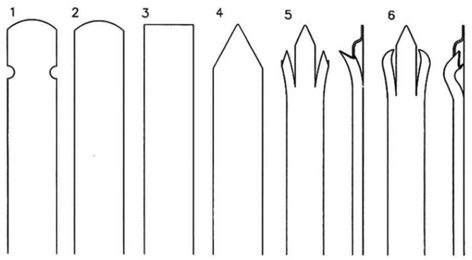


Palisade Fence



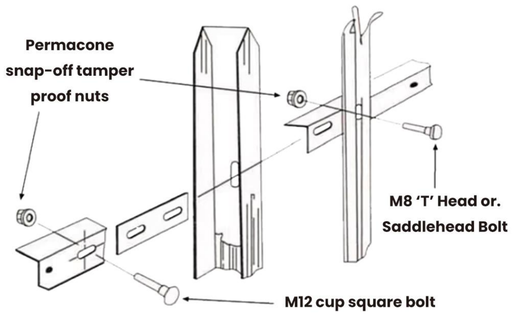
Palisade fence is a popular fence in European in the past, however, in recent years, great changes have taken place in personal aesthetic value, so the palisade fence become popular among our life. The palisade fence consists of many components, each of them is indispensable. We can provide you a complete palisade panel, we can also provide fittings separately.
Palisade Fence is manufactured from high-quality steel sheet, hot-dip galvanized steel, cold-rolled steel, or hot-rolled steel. The surface treatment includes galvanizing, powder coating, or PVC coating, providing excellent corrosion resistance and long-term durability in outdoor environments.

Different Top Designs



1. Round and notched
2. Round only
3. Plain
4. Single pointed
5.Triple pointed and splayed
6.Triple pointed, splayed and returned

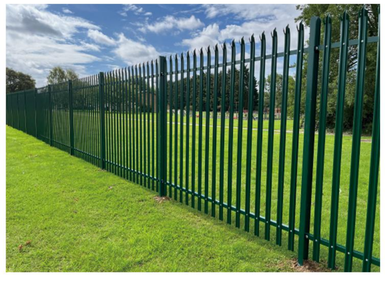
Installation

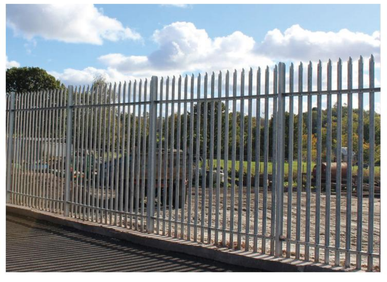


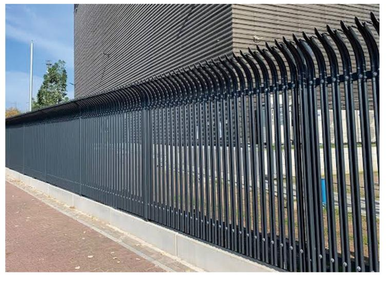
Specifications

D Type Palisade Fence	W Type Palisade Fence	Pale Head Options
Thickness: 3.0 mm (general), 3.5 mm (security), 4.0 mm (special). Common height: 1.2–3.0 m, width 1.8–2.35 m.	Thickness: 2.0 mm (general), 2.5 mm (security), 3.0 mm (special). Common height: 1.8–2.4 m, width 1.8–2.35 m.	Available in square top, single pointed, triple pointed, round top, and round & notched top designs. Triple pointed pales are commonly used in high-security sites to prevent climbing.

Applications







Temporary Fence



Temporary Fence is a portable and reusable fencing solution designed for quick installation and reliable site security. Manufactured from high-quality galvanized steel, it provides excellent strength, stability, and corrosion resistance, making it suitable for both short-term and long-term outdoor use.
The modular design allows panels to be easily connected and supported with sturdy feet, enabling fast setup, relocation, and removal without damaging the ground. With its durable construction and low maintenance requirements, Temporary Fence is a cost-effective solution for securing construction sites, public events, roadworks, industrial areas, and temporary restricted zones.

Advantages







Specifications

Wire Gauge	3.0mm, 3.2mm, 3.5mm, 4.0mm, 4.5mm or as request
Opening \ Mesh	60*150mm, 60*75mm,75*75mm, 75*100mm, 50*100mm,50*150mm, etc
Fence frame pipe	32mm O.D.,38mm O.D., 40mm O.D., 42mm O.D., 48mm O.D. etc
Regular size	2.1*2.4m, 1.8*2.4m, 1.8*2.9m, 2.1*2.9m, or as request
Plastic feet	600*220*150mm, or 580*245*130mm
Frame wall thickness	1.8mm and 2.0mm
Surface treatment	Hot-dipped galvanized or electric galvanized

Applications

Temporary Fence is widely used for construction sites, housing projects, pool construction, parades, concerts, sporting events, festivals, council works, parking lots, and road projects. It is also suitable for crowd control, public safety guidance, and restricted-area protection.







Workshop Fence



Workshop Fence is a practical and durable security fencing solution designed for factories, workshops, warehouses, industrial parks, and commercial facilities. Manufactured from high-quality galvanized steel wire and finished with hot-dip galvanizing or polyester powder coating, it offers excellent corrosion resistance, high strength, and a long service life. The rigid welded mesh structure provides reliable perimeter protection while maintaining good visibility and a clean, modern appearance.



Zero tolerance for quality flaws



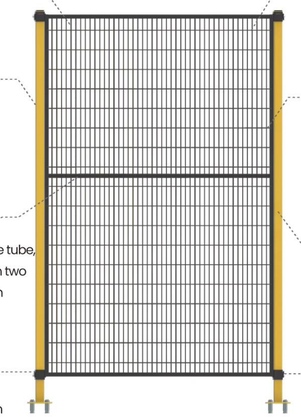
1.5mm thick mesh panel frame



V-groove made on one side of the square tube, so that the metal wire can be welded on two points to improve weld joint strength



Two fixing methods are available on demand.Distance between mesh panel and ground is adjustable for flexible installation





Robot welding, allows for robust, unifom welding on non-contact surface.



Metal wires are welded flat onto the frame without burr to prevent scratches and injuries.



Uniform powder coating has been tested by SGS.



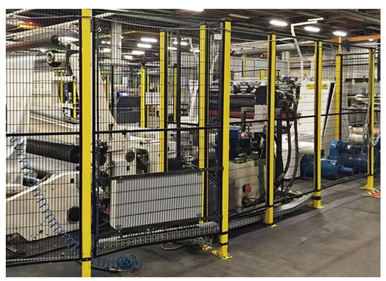
Two limiting holes on both sides of the post allow the bolt to go across the post, ensuring stronger impact resistance. Pre-drilled limiting holes makes positioning accurate,installation easy and mounting height unified.

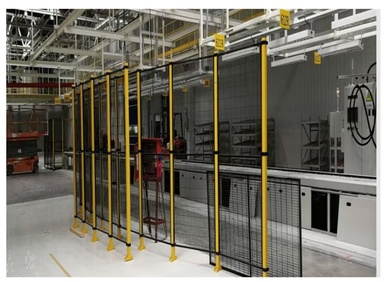
■ Specifications

Panel Height	2000/2200/2500mm
Panel Width	250/500/750/1000/1250/1500/1750/2000mm
Wire Diameter	3.0/4.0/5.0mm
Column Section	40×40/60×60mm
Hole Size	20×50/20×100/30×30/40×40/50×50mm
Column Thickness	1.2/1.5/2.0mm
Mesh Color	Customized
Special size can be customized	

■ Applications







Cattle fence



Cattle Fence, also known as a Corral Panel or Livestock Panel, is a heavy-duty tubular fencing system designed for cattle, horses, sheep, and other livestock. Manufactured from high-quality galvanized steel tubes, it provides exceptional strength, impact resistance, and long-term durability. The smooth tubular design helps reduce the risk of animal injury while offering a secure enclosure for farms, ranches, feedlots, and livestock handling facilities.

■ Features

1 HEAVY DUTY ROUND TUBE



High-strength round steel tubes provide outstanding impact resistance.

2 SMOOTH WELDED FINISH



Smooth welding protects animals from injuries.

3 HOTDIP GALVANIZED



Excellent corrosion resistance for long service life.

4 SECUREPIN CONNECTION



Fast assembly and secure locking between panels.

■ Specifications

Square Pipe Cattle Fence		**Height×Length**	1.8×2.1m（6 Rails）；1.6×2.1m（5 Rails）
		Vertical Pipe	40×40×1.6/2.0mm；50×50×1.6/2.0mm
		Horizontal Pipe	40×40×1.6/2.0mm；50×50×1.6/2.0mm
Oval Rail Cattle Fence		**Height×Length**	1.8×2.1m（6 Rails）；1.6×2.1m（5 Rails）
		Vertical Pipe	40×40×1.6/2.0mm；50×50×1.6/2.0mm （Square Pipes）
		Horizontal Pipe	30×60×1.6/2.0mm；40×80×1.6/2.0mm （Oval Rails）
Round Pipe Cattle Fence		**Height×Length**	1.8×2.1m（6 Rails）；1.6×2.1m（5 Rails）
		Vertical Pipe	32mm OD ×1.6/2.0mm；42mm OD ×1.6/2.0mm
		Horizontal Pipe	32mm OD ×1.6/2.0mm；42mm OD ×1.6/2.0mm
Note	**Customers' requests can be reached.**		

■ Applications







METAL FILTER

Etching Metal Mesh

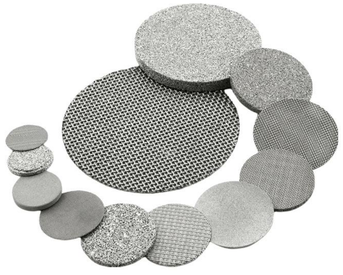


Etching mesh refers to the hollow mesh formed by etching metal plates using corrosive liquids or laser engraving. Used for integrated circuit printing, fluorescent screen electronic grid, precision filter, microelectrode components, etc.Etching metal mesh also named photo-etching metal product, metal etching mesh, photoelectric etching metal mesh. We can make customized etching metal mesh according to your drawing. Combined with advanced photo-etching and other process technologies, our etching metal mesh has advanced and irreplaceable advantages over traditional stamping and electroforming.

■ Specification

Product Name	Customized Etching Grid Mesh/Precise Filter Screen/Stainless Steel Etching Sheet
Material	All kinds of metal, Stainless Steel, Middle Steel, Copper, Aluminum, Brass, alloy and strip
Size	According to your requirements
Thickness	Range from 0.04mm to 1.0mm
Technique	High precision etching
Shapes	round, square, kidney, or any other speciashapes depend on your drawing.
Minimum Hole	1.2 times by the thickness
Minimum Space	As the thickness
Feature	None
Surface finishing	Plastic film/bag, wrapped with bubbled film then put into carton case or wooden case electronics and other fields.
Packing method	No burrs, no broken point, no plugging hole,Etching is simply a high-quality, fast-turnaround and low-cost alternative for machining flat metal parts. It offers you the precision and accuracy unavailable in other type of milling processes.
Application	Oil, chemicals, food, pharmaceutical use sophisticated filters, filter plates, filter cartridges, filters;Electronic Industry Leakage metal plate, cover, flat pin, lead frame, metal substrate;Optical precision machinery and plane parts, parts of spring; Other create advertise board, trademarks and fine crafts.we can design and produce that you may have for precision equipment,

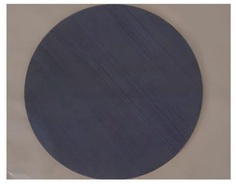
Filter Disc



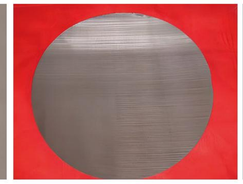
Filter disc, also named wire mesh filter disc, screen filter disc, is made of metal wire mesh, such as galvanized wire mesh, phosphor bronze wire mesh, stainless steel wire mesh, black iron cloth. The operation principle of filter discs is to separate or screen one substance from another. Thus, you can remove unwanted contaminants from fluid, air, or solid. We offer filters of different materials, different shapes, different layers, different weaving methods, different wrapping edge materials, different filter precision, etc. The overall dimensions can be produced to satisfy your specific requirements, such as filter particles size, flow rate, contact liquid, physical space limitations.

■ Different classification methods

1. According to the filter discs material: black wire cloth filter discs, copper filter discs, galvanized steel filter discs, stainless steel filter discs
2. According to the technology: perforated metal filter discs, expanded metal wire mesh filter discs and woven wire mesh filter discs.
3. According to edge processing method: spot welding filter, edge wrapping filter.
4. According to weaving types: plain weave filter discs, twill weave filter discs, dutch weave filter discs, etc.



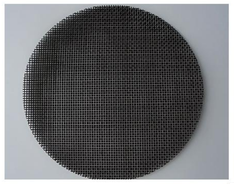
Black wire cloth filter disc.



Stainless steel filter disc.



Perforated filter disc.



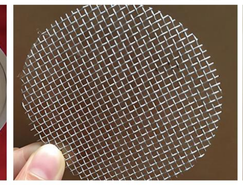
Woven filter disc.



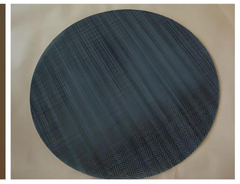
Spot welding filter disc features uniform welding point.



Filter disc can be produced with spot welding or wrapping edge.



A stainless steel filter disc with plain weaving type.



The weaving type of filter disc: plain weave, twill weave, dutch weave.



Filter disc with EPDM gasket edge.



Filter disc with PP edge.

■ Specifications

Filter disc materials	black wire, stainless steel wire, copper wire, phosphor bronze wire, brass wire, galvanized steel wire, aluminum wire, etc.
Wire diameters	0.01 - 6.00 mm.
Disc diameters	5 mm - 600 mm (custom size: 8 mm - 3800 mm).
Disc shapes	round (diameter 44 - 600 mm), ring (inner diameter 18 - 250 mm, outer diameter 50 - 350 mm), rectangular (length 60 mm - 400 mm, width 50 mm - 100 mm), crescent, semicircle, square, oval, abnormal shape, etc.
Weaving types	plain weave, twilled weave, dutch weave, plain dutch, twilled dutch, etc.
Layers	single layer or multiple layers.
Edge processing methods	spot welding, wrapping edge or no edge processing.
Marginal materials	stainless steel, copper, aluminum, rubber, etc.
Filter precision	0.1 - 300 μm.
Application	Metal filter discs are mainly used in distillation, absorption, evaporation and filtration process in rubber, plastic industry, sewage treatment, petroleum, chemical industry, pharmacy, metallurgy, machinery, ships, vehicle industry, food making and other industries.

Filter Tube



Filter tube, also named tube filter, is a kind of filter element made from different wire meshes. It has high filtration efficiency and good corrosion resistance, suitable for oil pipelines, petrochemical devices and mechanical equipment.
Our filter tube series products are available in various materials, such as galvanized steel, carbon steel and stainless steel. Filter tubes have a wide range of filtration applications. Widely used in mining industry, coal industry, pharmaceutical industry, mechanical engineering and other fields. Our filter tube series products have multi functions and good performance. They can meet your different filtration needs. Except the filter tube, we can also supply other filter elements, such as filter disc, filter basket and pleated candle filter.

■ Specifications

Materials	Stainless steel (304, 316 available; also offered in galvanized steel, carbon steel, copper, etc.)
Types	Perforated filter tube, woven filter tube, folded filter tube
Wire Diameter	0.025 - 2.5 mm
Filter Rating	10 - 500 micron
Filtration Grade	ULPA Filter
Efficiency	F9
Specification	1.2x5mm (customizable)
Features	Good permeability;High filtration efficiency;High temperature resistance;Anti-corrosion;Low cost.
Applications	Suitable for water, liquid and air filtration;Widely used in mining industry, food processing industry & petrochemical industry, etc.

Johnson Screen



Johnson Screen, also known as Wedge Wire Screen, is a precision filtration product manufactured by welding V-shaped profile wires and support rods together. The unique wedge wire structure provides high mechanical strength, excellent filtration accuracy, and superior resistance to clogging, making it widely used in water treatment, oil & gas, mining, food processing, and industrial filtration systems.

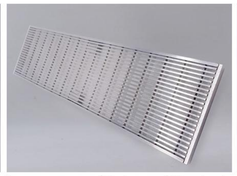
Specification

Material	SS304, SS304L, SS316, SS316L, SS321, Duplex, Hastelloy, etc						
Key word	Stainless Johnson welded wedge wire DSM sieve bend screen for static sieve						
Size	Up to 6000*6000mm						
Slot Range	20 micron to 3000 micron (Tolerance:+-5 micron)						
Other Shapes	Could cut to any shape according to requirement, such as round, semicircle, sector, and so on.						
Wedge Wire	0.5x1.5	0.75x1.5	1x2	1.5x2	2x3	2x4	3x5
Support Rod	1.5x2.5 2x3	1.5x2.5 2x3	1.5x2.5 2x3	1.8x2.5 2x3	2x3 2x4 3x5 3x6 3x104x6	2x4 3x5 3x6 3x10 4x6 5x6	3x5 3x6 3x10 4x6 5x6 5x8
End Finishing	With the frame, without any frame, according to request.						
Note	Customized According To Requirement						

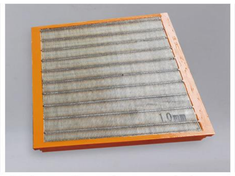
Different Type



Lauter tun screen for brewary with or without fixing hole



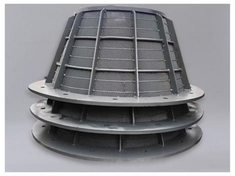
Bar screen with large filter hole for waste water treatment



Poly wedge wire panels for dewatering application



Sieve bend screen for paper, pulp, coal and mine industry



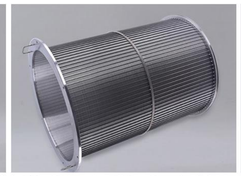
Centrifuge basket dewatering for coal, fertilizer, salt and chemical industry



Special alloy Johnson screen for sea water filtration



Screw press screen for dewatering of sewage sludge, waste water and beverage filter



Wedge wire filter basket for automatic self cleaning



Automatic self cleaning wedge wire screen



Stainless steel screw press screen for farm stool dewatering



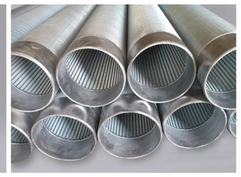
Resin trap screen for ion exchange application



Header lateral screen for sand filters, carbon filters, and ion exchange



Stainless steel filter nozzle used for water treatment



Stainless steel well screen for resisting high pressure



Wedge wire screen with slot size 250micron

Knitted Mesh







Knitted mesh is a wire fabric, which is made by a circular knitted machine. The various knitted material wires are knitted into a sleeve of continuous stocking of inter-linked wire loops. It has rigid structure and can be made of various materials to be used in chemical, pharmacy, mechanical and coal mine industries for filtering, separating, cleaning and other applications.

Specifications

Material: stainless steel, carbon steel, copper, Monel, titanium.
Wire type: flat wire or round wire.
Wire diameter:Round wire: 0.08 mm – 0.5 mm.Flat wire: 0.1 mm × 0.3 mm, 0.1 mm × 0.4 mm, 0.2 mm × .4 mm, 0.2 mm × 0.5 mm.
Mesh opening: 2 mm × 3 mm, 4 mm × 6 mm to 12 mm × 6 mm.

Common Specs of knitted mesh			
Item	**Type**	**Mesh and Mesh Width**	**Wire Diameter(mm)**
KMS-01	Standard type	40-100	0.1 ×0.4
KMS-02		60-180	0.1× 0.4
KMS-03		140-400	0.1 × 0.4
KMS-04		40-100	0.27
KMS-05		40-100	0.1 × 0.4
KMS-06	High efficiency	90-100	0.1× 0.3
KMS-07		80-100	0.1× 0.3
KMS-08		90-150	0.1× 0.3
KMS-09		200-400	0.1 × 0.3
KMS-10	High penetration	20-160	0.1 × 0.4
KMS-11		30-150	0.1 × 0.4
KMS-12		70-400	0.1 ×0.4



Compressed knitted mesh in different materials



Compressed knitted filter in conical ring shape



Compressed knitted filter for liquid energy filed



Compressed knitted filter combined with graphite



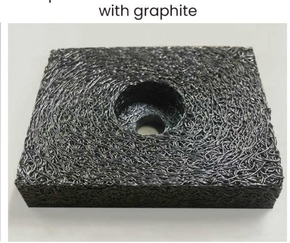
Compressed knitted filter in a tubular shape



Compressed knitted filter in cylinder shape



Compressed knitted filter in special round shape



Knitted mesh filter made based on client's request

Applications

Gas-liquid separation. Cleaning applications. Mechine, kitchen,components and parts. Shielding applications. EMI/RFI shielding. Shock absorption applications. Noise reduction.

Perforated Filter



Perforated filter made of perforated sheet, can be classified into perforated cylinder filter, perforated basket filter, perforated cone filter and perforated tube filter. Generally it is made of stainless steel, carbon steel, aluminum or copper sheet and the hole shape is round or square. With accurate filtration rate, perforated filter can filter a large variety of fluids and retain almost any size solids. With high mechanical strength, perforated filter is mainly used in petroleum, chemical industry, pharmacy, food making filtration and sewage water filtration, etc.

Specification

Material	SS304, SS316, SS316L, SS430, SS316Ti, and other SS materials; plain steel, galvanized steel, nickel, titanium, etc.
Layers	Single layer or multiple layers including filter woven mesh and perforated sheet
Structure	available with or without flange/handle
Holes of perforated layer	round hole, square hole, slot hole, or others
Filtration rating	ranging from 5um to 5000um
Filtration efficiency	about 90%
Flow direction	outside to inside or inside to outside
Filter precision	2-2000 μm.
Sheet thickness	3 gauge - 36 gauge.
Edge processing	with wrapping edge or metal flange.
Features	High porosity and excellent permeability.Corrosion resistance and high temperature resistance.Accurate filtration precision.Easy processing and installing.Easy forming, painting, polishing, welding and cleaning.Firm structure and different hole patterns.
Applications	Perforated metal filter is widely used in petroleum, chemistry, metallurgy, machine, medicine, automobile industries for distillation, absorption, evaporation and filtration processes, so as to eliminate the impurity and foam mixed in the gas and liquid.



Perforated cylinder filter is made of stainless steel



Single layer cylinder filer with perforated round holes.



Stainless steel perforated basket filter with a handle.



Perforated basket filter with square hole.



A slant basket filter with perforated round hole.



Stainless steel basket filter with perforated round hole.



Double layer perforated cone filter.



Perforated cone filter with round perforated mesh inside.



The outside layer of the cylinder filter is made of round hole perforated sheet.



Cone filter with flat top is made of multilayer round perforated sheet.

Pleated Filter



Pleated filter also named stainless steel pleated filter made of pleated stainless steel sintered fiber web and stainless steel weaving wire cloth. Pleated filter enjoy the characteristics of long life span, easy cleaning, low cost, etc. It is widely used in chemical fiber, petroleum, chemical industry, electric powder filtration

Specifications

Ffilter media	stainless steel/304/316
Connector type	flat,insert tyepe,thread type,fin,customized
End caps	pp,M36,M30,customized
outer diameter	65mm, 70mm,75mm,80mm, or customized
inner diameter	28mm,30mm, or customized
removal rating	0.5~200 micron
Maximum operating temperature	1200°C
Maximum operating pressure	150MPA
Features	Low capital cost;High-porosity and good air permeability;High-dirt holding capacity;Long service life time; High-temperature resistance;Made entirely of SS304 or SS316, cleanable and reusable
Applications	• Polymer filtration- PE, LDPE, PET, PP, PA, PBT, PC, PEEK, BOPET, BOPP, PMMA, EVA,carbon-fiber , fiber, resin, film, sheet, etc. • Liquid/solid filtration food and beverages, pharmaceutics, chemicals, hydraulic, lube and fuel filters, inkjet printers, petrochemical processes and more. • Gas/solid filtration • Oil refinery, chemical processing (ammonia gases, polysilicon, EDC, olefins gases, ...), or smelting (Ni, Pt, Cu, Al ...), coal gasification, cement and steel production, nuclear filtration and many more.



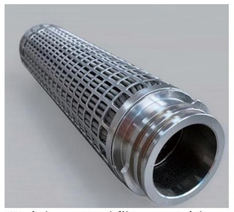
Stainless steel folding oil filter element



Stainless steel filter cartridges with reinforced plate



Metal pleated filter cartridge with supporting layer inside suitable for filtration from outside to inside



Stainless steel filter cartridges with supporting layer, suitable for polymer melt filtration from inside to outside



Stainless steel filter cylinder with reinforced belt for air filtration



Stainless steel candle filter without reinforced belt



Hydraulic oil filter element with female threads



Pleated stainless steel filter cartridge with male threads for oil filter



Stainless steel pleated filter with flange for liquid filtration



Stainless steel cartridges filter with handles for pharmaceutic industry

Porous Metal Filters



Porous metal filters blend metallic strength with precision pores, outperforming traditional filters in harsh conditions. Used in aerospace, pharma, and oil & gas—here's their key info.

What Are Porous Metal Filters?

Made from 316L SS, titanium, or nickel via sintering/3D printing, they feature interconnected uniform pores. Their solid structure traps impurities while enabling smooth flow.

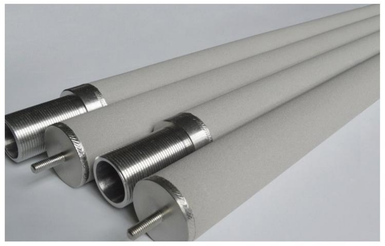
Controllable pore sizes (2nm–500μm) fit nanofiltration to coarse tasks, with strong stability.

■ Specification

Pore Size	2nm-50Oum (tested)
Porosity	30% - 80% (high = flow; low = strength)
Materials	316L SS (food/pharma); titanium (aerospace); nickel (chemicals)
Dimensions	Discs (10-20Omm); cartridges (100-100Omm); custom 3D shapes
Operating Range	Temp: -200°C to 1200°C;Pressure: 0.1-30MPa (oil/gas)
Features	Tailored Pores: Custom size/porosity for targeted filtration. High Strength: Withstands pressure, impacts, temperature swings. Extreme Stability: Corrosion-resistant; up to 1200°C for alloys. Reusable: Cleanable via backwashing—cuts costs. Consistent: Even pores prevent clogging.
Applications	Aerospace:Fuel/hydraulic filtration; cabin air—lightweight, heat-resistant. Pharmaceutical:Drug/vaccine filtration—steam-sterilizable, GMP-compliant. Oil & Gas:Wellhead/pipeline filtration—corrosion-resistant (offshore). Food & Beverage:Beer/wine/juice filtration—non-toxic, easy-clean. Chemical:Catalyst/solvent filtration—chemical-resistant. Water Treatment:Solids/oil removal—high flow, anti-fouling.



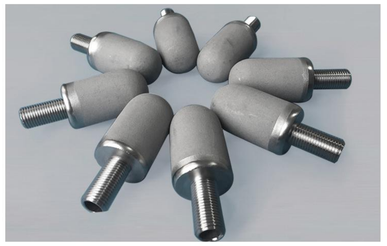
Porous instrument filters with different adaptor types



Sintered porous sparger for beveragge, bear and chemical production



Stainless steel sintered filters for solvent treatment



Titanium powder aerators with high pressure resistance for waste water treatment



Titanium aerators with uniform holes to allow air flowing out



Sintered bronze silencer in different sizes and types for noise reduction



Fitalloy can also supply porous metal filters without adapters



Thin porous metal filter discs in stainless steel AISI316L



Thick porous metal filter elements with good flame resistance

Sintered Mesh Filter



Sintered mesh filter cartridges are made from multi-layers sintered wire mesh, usually 5-layer stainless steel wire mesh. Our sintered filter cartridges has more strong structure, fine permeability and accurate filter precision, easy back wash cleaning. Beside above mentioned benefits, sintered mesh cartridges are resistance to corrosion, high temperature, and high pressure.

Its materials are all stainless steel construction, such as AISI304, AISI304L, AISI316, AISI316L. Filter rating range from 1 micron to 250 micron.

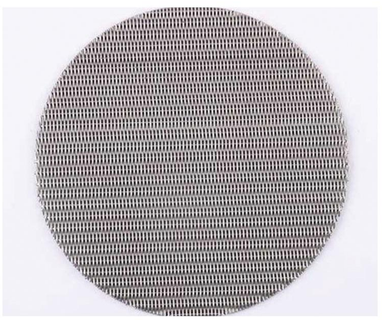
Sintered mesh filter cartridges are widely used in pharmaceuticals, fluidized beds, liquid and gas filtration, chemical processing, chemical fiber filtration, food and beverage, oil and gas filtration, polyester and water treatment industries.

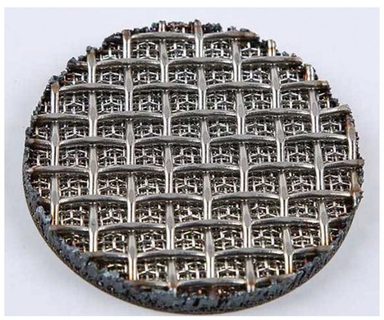
■ Specifications

Model	Nominal Filter Rating(um)	Structure Protective Layer + Control Layer + Dispersion Layer + Reinforce Layer + Reinforce Layer	Thickness (mm)	Air Permeability (L/min/cm2)	Bubble Pressure (mm H2O)	Weight (kg/m2)	Porosity (%)
SM5-1	1	100 + 400 × 2800 + 100 + 12 × 64 + 64 × 12	1.7	1.81	360-600	5-layer sintered wire mesh(8.4) 6-layer sintered wire mesh (14.4)	40%
SM5-2	2	100 + 325 × 2300 + 100 + 12 × 64 + 64 × 12	1.7	2.35	300-590		
SM5-5	5	100 + 200 × 1400 + 100 + 12 × 64 + 64 × 12	1.7	2.42	260-550		
SM5-10	10	100 + 165 × 1400 + 100 + 12 × 64 + 64 × 12	1.7	3.00	220-500		
SM5-15	15	100 + 165 × 1200 + 100 + 12 × 64 + 64 × 12	1.7	3.41	200-480		
SM5-20	20	100 + 165 × 800 + 100 + 12 × 64 + 64 × 12	1.7	4.50	170-450		
SM5-25	25	100 + 165 × 600 + 100 + 12 × 64 + 64 × 12	1.7	6.12	150-410		
SM5-30	30	100 + 450 + 100 + 12 × 64 + 64 × 12	1.7	6.7	120-390		
SM5-40	40	100 + 325 + 100 + 12 × 64 + 64 × 12	1.7	6.86	100-350		
SM5-50	50	100 + 250 + 100 + 12 × 64 + 64 × 12	1.7	8.41	90-300		
SM5-75	75	100 + 200 + 100 + 12 × 64 + 64 × 12	1.7	8.7	80-250		
SM5-100	100	100 + 150 + 100 + 12 × 64 + 64 × 12	1.7	9.1	70-190		
SM5-150	150	50 + 100 + 50 + 30 × 30 + 100 × 50	2.0	25.00	50-150		
SM5-200	200	40 + 80 + 40 + 20 × 40 + 80 × 40	2.0	26.00	50-150		

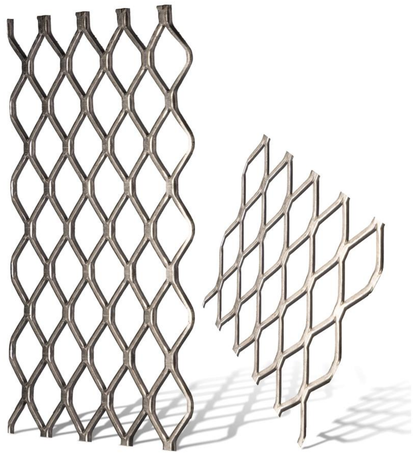
Note: The 6-layer sintered wire mesh is to add one layer of 12 mesh to the 5-layer sintered wire mesh. Its thickness is 3.5 mm. And it has the higher anti-pressure ability.



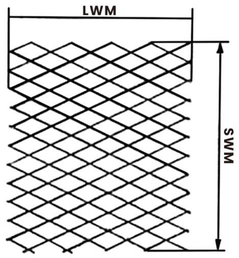


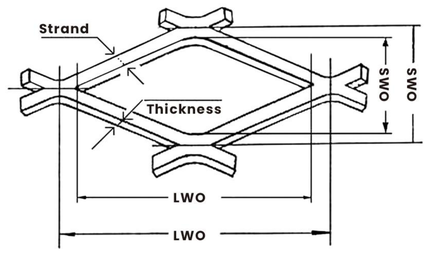


Expanded Metal Mesh



Expanded Metal Sheet is manufactured by slitting and stretching a single piece of steel into a uniform diamond mesh pattern. With no welding or weaving, it offers excellent strength, durability, and material efficiency. It is widely used for fencing, walkways, machine guards, security screens, architectural decoration, ventilation panels, shelving, and industrial platforms.



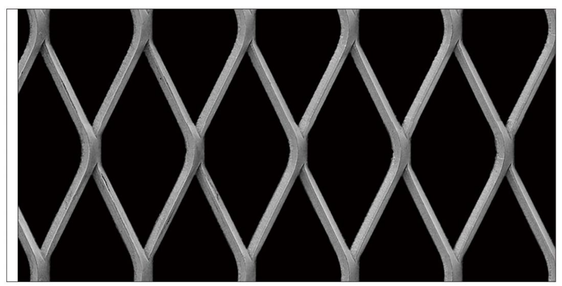


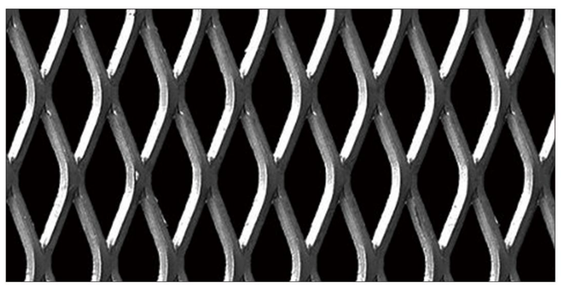
Specifications

Material	Carbon Steel, Galvanized Steel, Stainless Steel (304/316), Aluminum
Thickness	0.5–8.0 mm (custom available)
SWD (Short Way of Diamond)	5–100 mm
LWD (Long Way of Diamond)	10–250 mm
Strand Width	0.5–10 mm
Sheet Width	500–2000 mm
Sheet Length	1000–6000 mm
Opening Rate	40%–80%
Surface Treatment	Hot-dip Galvanized, Electro Galvanized, Powder Coated, PVC Coated, Painted
Mesh Type	Raised Expanded Metal, Flattened Expanded Metal
Color	Silver, Black, Green, White, or Custom RAL Colors

Types

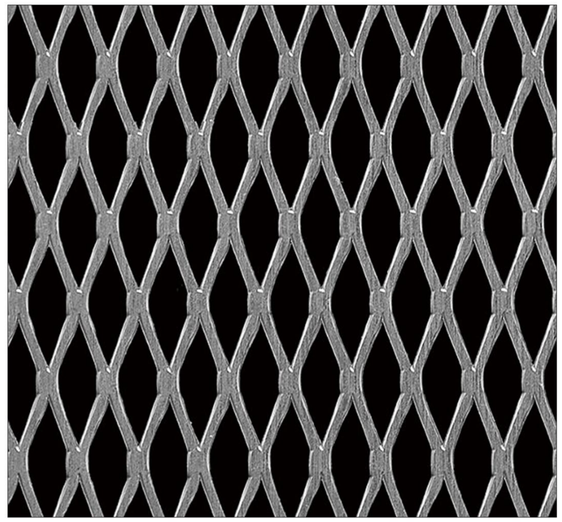
EXPANDED METAL - STANDARD

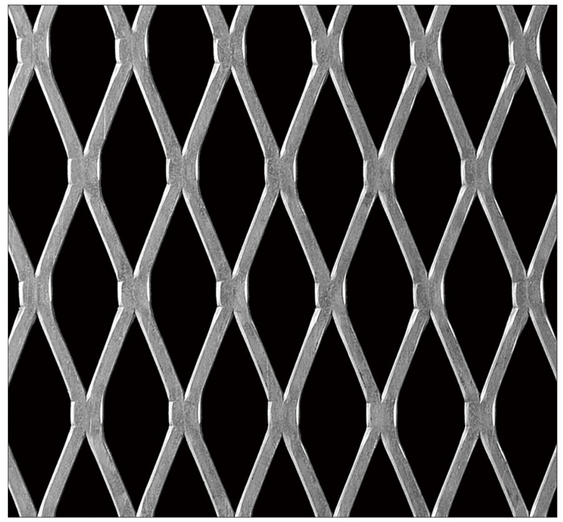




Standard, or raised, expanded metal is an extremely versatile material. It's easy to control the percentage of open area to suit the application by altering the pattern size and/or strand width, thus increasing the flow of air or light in the finished product. Expanded metal offers a tremendous amount of form-ability — it's able to withstand a 90-degree bend within a 1/4" inside radius without breaking.
Manufacturers that are concerned about minimizing operating expenses will appreciate raised expanded metal's cost-effectiveness. The slitting and stretching process produces no scrap or waste material.

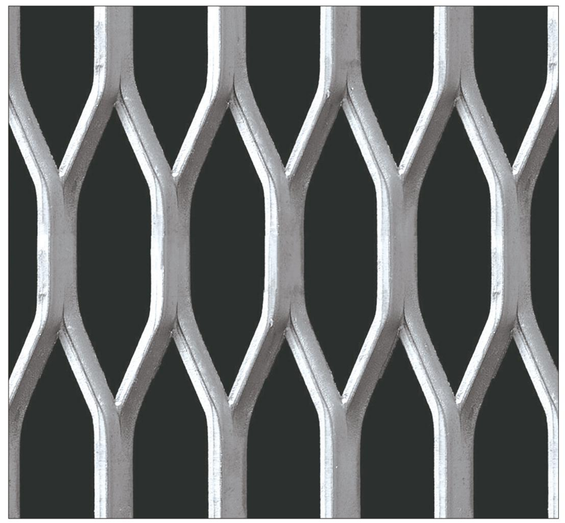
EXPANDED METAL - FLATTENED





Flattened expanded metal is an extremely versatile product that is created by making multiple slits in a sheet of metal, then stretching the sheet to produce a unique diamond pattern. This variation of the standard expanded metal manufacturing process involves flattening the sheet by passing it through flattening rolls, a technique known as "cold rolling". This produces thin, expanded metal sheets and stretches the pattern even further, while also providing a smoother, flatter finish.

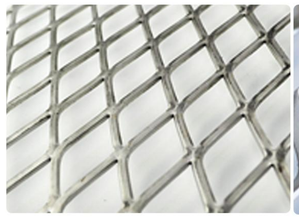
EXPANDED METAL - GRATING





Expanded metal grating is a strong and economical product used in a variety of industrial, commercial, architectural, and drainage applications. Our expanded metal gratings are used for bridge walkways, water treatment plants, industrial plant construction, heavy duty fence and barrier construction, utility and other trailer manufacturing. It can be made into economical vertical screening, fire escapes, stair treads, mezzanines, ramps, and walkways, as well as oil and gas platforms.

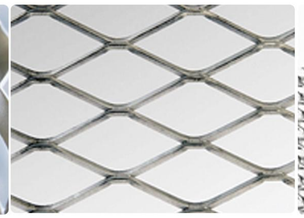
■ Materials



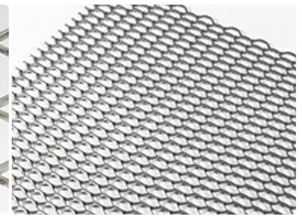
Stainless Steel



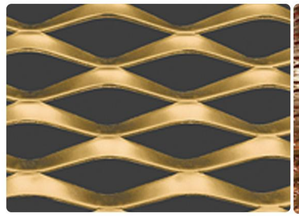
Aluminum



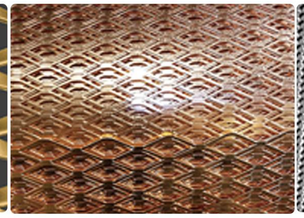
Galvanized



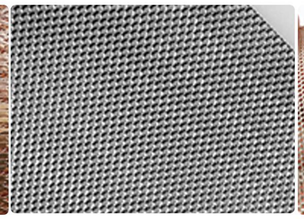
Steel



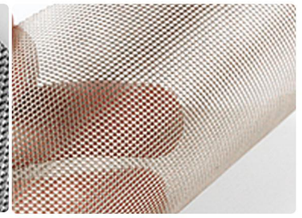
Brass



Copper



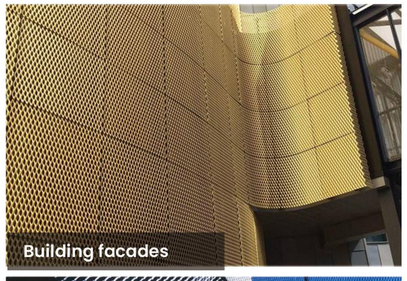
Titanium



Nickel

■ Application

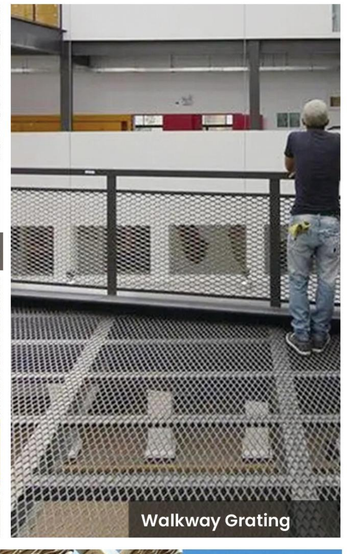
The versatility of expanded metal makes it have countless applications in architectural,commercial, industrial, building and other industries, ideal decorative applications include:Cladding,Balustrades,Room decoration, Patio furniture, Interior partitions, Infill panels,Sun screening,Exhibition stand,Ceilings etc.



Building facades



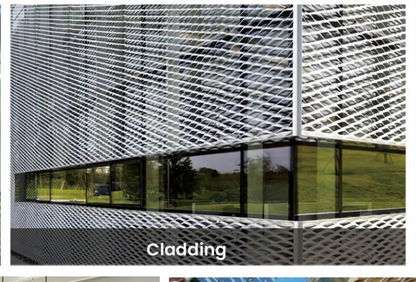
Ceiling



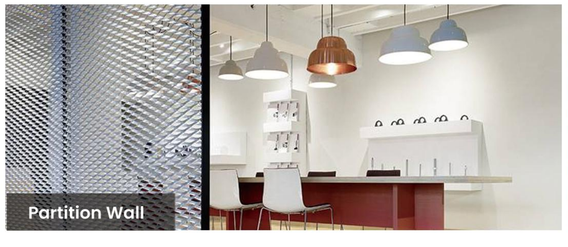
Walkway Grating



Balustrades



Cladding

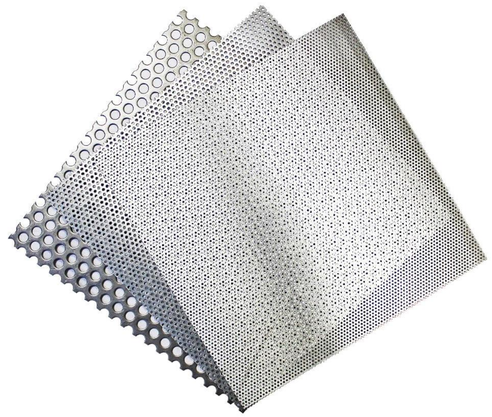


Partition Wall



Sunshade

Perforated Metal Sheet



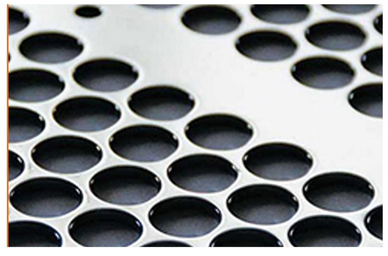
Perforated Metal mesh refers to the metal mesh that punches out various hole patterns on metal, plate, glass, plastic and other materials. It has simple process, low cost, high strength, high precision and diversified patterns, and is widely used in the fields of industry, construction, agriculture, food processing, medicine, aquaculture and so on.

Designed for both industrial and architectural applications, perforated metal sheets offer outstanding durability and corrosion resistance, making them suitable for indoor and outdoor environments. They can be customized with different hole diameters, open areas, sheet sizes, and finishes to meet the specific requirements of various projects.

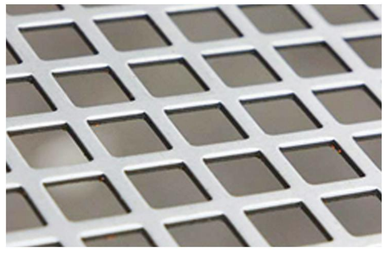
■ Specifications

Material	Carbon Steel, Galvanized Steel, Stainless Steel (304/316), Aluminum, Copper
Thickness	0.3–12.0 mm
Hole Diameter	0.8–200 mm
Hole Pattern	Round, Square, Slotted, Hexagonal, Decorative, Custom
Pitch (Center Distance)	2–250 mm
Open Area	5%–80%
Sheet Width	500–2000 mm
Sheet Length	1000–6000 mm
Surface Treatment	Hot-dip Galvanized, Electro Galvanized, Powder Coated, PVC Coated, Anodized (Aluminum)
Color	Silver, Black, White, Green, Gray, Custom RAL Colors

■ Multiple Hole Types



Round Hole



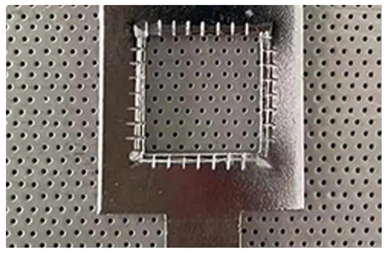
Square Hole



Slotted Hole



Rectangular Hole

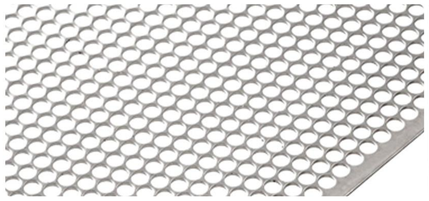


Micro Hole



Customized Decorative Hole

■ Materials



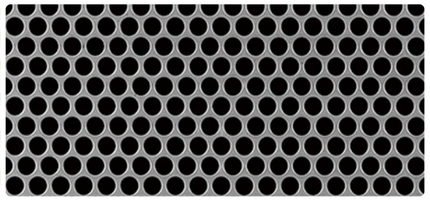
Stainless Steel



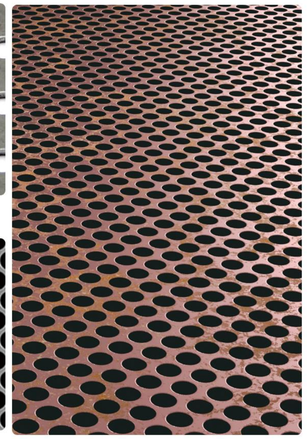
Aluminum



Galvanized



Steel



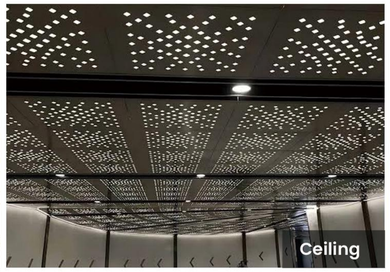
Copper

■ Application

Architectural facades, ceiling panels, sunshades, ventilation systems, filters, machine guards, fencing, noise barriers, shelving, decorative panels, agricultural equipment, and industrial screening.



Building Facade



Ceiling



Balustrade & Railing



Internal Wall



Cladding



Partition Wall



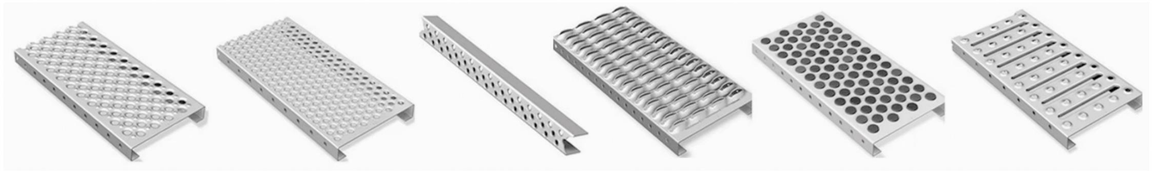
Sunshade

Anti Slip Steel Sheet



Perforated Anti-skid Grip Strut , Alligator Mouth Hole Checkered Plate made of high quality steel, aluminum and stainless steel offers the high slip resistant surface. The surface of the plank has diamond-shaped holes with serrated tooth for grabbing in every direction under practically all conditions. The holes can be different numbers and it provides the enough air opening to drop the waste. Perforated Anti-skid Grip Strut , Alligator Mouth Hole Checkered Plate is easy and quick to install, besides, high strength-to- weight performance offers a high load capacity. Perforated Anti-skid Grip Strut , Alligator Mouth Hole Checkered Plate can lasts a long life and is ideal for oily environment and industry.

■ Types



■ Specifications

Structure	Plank thickness	Width	Channel height	Clear span
2-diamond	14G	4-3/4"	1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
	12G		1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
3-diamond	14G	7"	1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
	12G		1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
4-diamond	14G	9-1/2"	1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
	12G		1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
5-diamond	14G	11-3/4"	1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
	12G		1-1/2"	2'; 2'-6"; 3'
			2"	2'; 2'-6"; 3'; 4'
8-diamond	14G	18-3/4"	2"	2'; 2'-6"; 3'; 4'
	12G		2"	2'; 2'-6"; 3'; 4'
10-diamond	14G	24"	2"	2'; 2'-6"; 3'; 4'
	12G		2"	2'; 2'-6"; 3'; 4'

■ Application





