

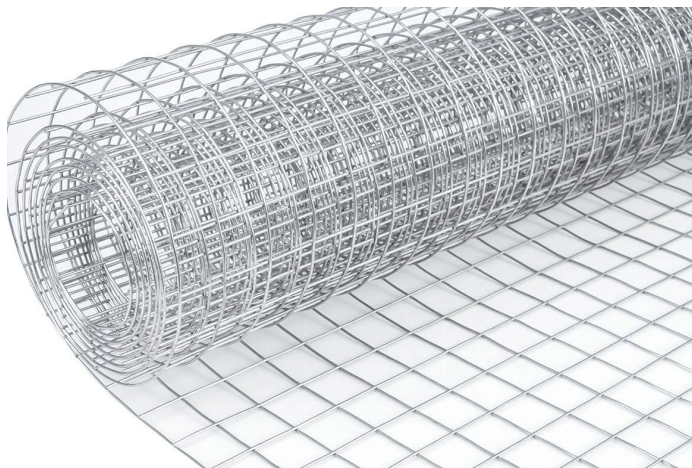


Welded Wire Mesh

Plain Steel, Stainless Steel / Galvanized & Vinyl Coated



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Welded Wire Mesh

Welded wire mesh is a grid-like structure made by welding intersecting wires together at right angles, creating a strong and uniform mesh. It is typically manufactured from materials such as mild steel, stainless steel, or galvanized steel, offering durability and resistance to corrosion depending on the application.

Common finishes include plain (uncoated), galvanized (zinc-coated for rust resistance), and PVC-coated (for additional protection and aesthetics).

Welded wire mesh is widely used in construction for reinforcing concrete (slabs, walls, and pavements), fencing, security enclosures, agricultural fencing, and industrial shelving. Its versatility also extends to DIY projects, garden protection, and animal cages. The mesh is available in different wire gauges and opening sizes, allowing customization for specific requirements. Its cost-effectiveness, durability, and adaptability make it a preferred choice in multiple sectors.





Plain Steel (Carbon Steel / Mild Steel)

Plain steel welded wire mesh is a grid constructed from carbon steel wires welded together at their intersections, offering strength and rigidity without additional coatings. Its key features include durability, affordability, and versatility in various applications.

Pros:

- Cost-effective – More affordable than coated or stainless steel mesh.
- High strength – Provides excellent structural support for concrete and fencing.
- Easy to work with – Can be cut, bent, and installed quickly.
- Good weld integrity – Strong intersections ensure durability.
- Versatile – Used in construction, fencing, industrial shelving, and DIY projects.

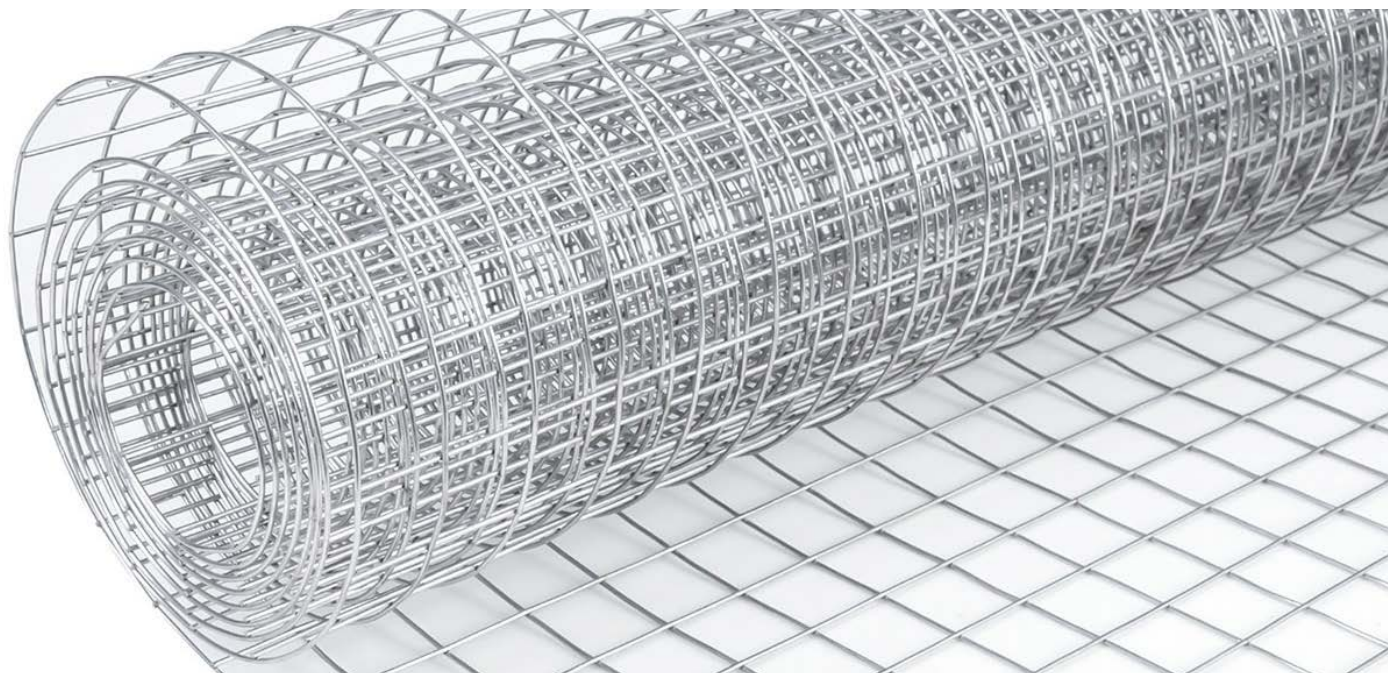
Cons:

- Prone to rust – Lacks corrosion resistance, limiting outdoor use.
- Shorter lifespan – Requires maintenance or replacement in humid/wet conditions.
- Less aesthetic – Uncoated appearance may not suit decorative applications.
- Not for harsh environments – Unsuitable for marine or chemical-exposed areas without treatment.

Cost-effective, it requires maintenance or protective treatments in corrosive conditions. Despite this, its simplicity and structural integrity make it a popular choice for temporary structures, construction, and indoor applications where rust resistance is not critical.

Specifications:

- Material: low carbon steel wire.
- Wire gauge: 12–24 gauge, or other custom size.
- Mesh size: 1/4 inch – 2 inch, or other custom size.
- Tensile strength: 300–450 N/mm²



Galvanized Steel Welded Wire Mesh

Galvanized welded wire mesh is a steel wire mesh coated with a protective layer of zinc to prevent rust and corrosion. The galvanization can be applied through electro-galvanizing (lighter coating) or hot-dip galvanizing (thicker, more durable coating). A cost-effective solution for durable, weather-resistant wire mesh applications.

Pros:

- Excellent rust resistance.
- Low maintenance.
- Suitable for fencing, cages, and construction.
- More affordable than stainless steel.

Cons:

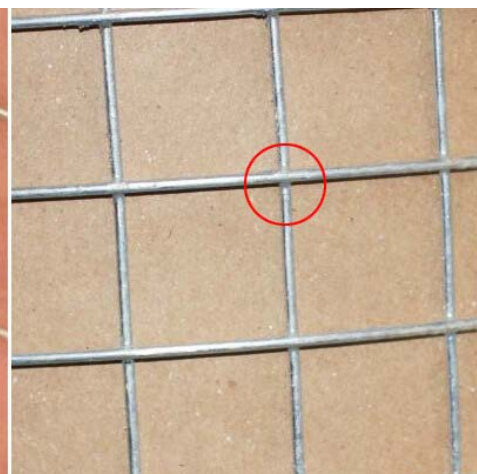
- Slightly more expensive than plain steel.
- Electro-galvanized coating may wear over time.
- Not ideal for highly acidic/alkaline environments.

Finish Types:

- Electro galvanized.
- Hot-dip galvanized.
- Galvanized before welding
- Galvanized after welding.



Galvanized before welding



Galvanized after welding



Stainless Steel Welded Wire Mesh

Stainless Steel Welded Wire Mesh is a high-performance mesh made from corrosion-resistant stainless steel wires, welded together for strength and durability. Common grades include 304 (standard) and 316 (marine-grade), offering superior resistance to rust, chemicals, and extreme temperatures.

Features:

- Excellent corrosion resistance, even in harsh environments.
- High strength-to-weight ratio.
- Hygienic, easy to clean, and non-reactive.
- Available in various weave patterns and wire thicknesses.

Pros:

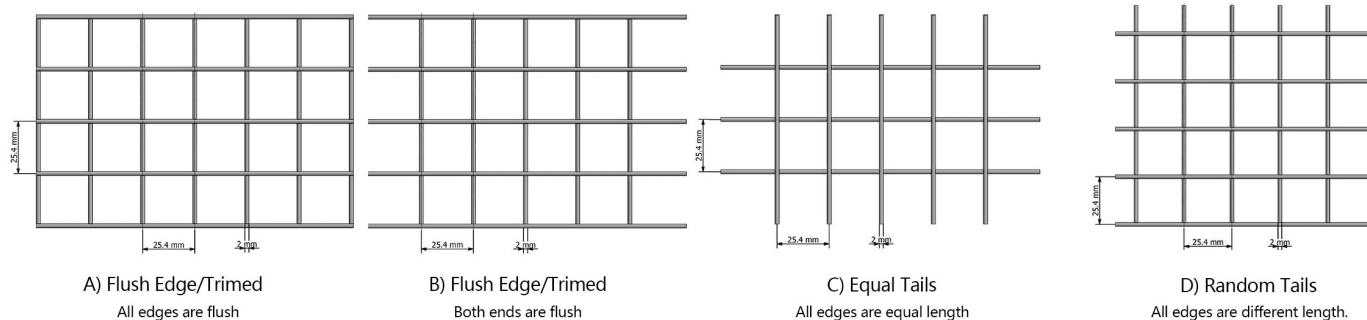
- Superior longevity - ideal for outdoor, marine, and industrial use.
- Resists oxidation, acids, and alkalis.
- Low maintenance and aesthetically polished.
- Fire-resistant and temperature-tolerant.

Cons:

- More expensive than galvanized or plain steel.
- Heavier and harder to cut/manipulate.

Ideal for demanding applications like food processing, chemical plants, and coastal fencing.

Technical Specifications



Mesh		Diameter		Weight (Approximate)	
mm	in.	mm	in.	kg/m2	lb/100 ft2
6.4	1/4	0.55	0.022	1.66	34
8.5	1/3	0.81	0.032	0.65	13
10.6	3/7	0.9	0.035	1.21	25
12.7	1/2	0.66	0.026	1.86	38
12.7	1/2	0.81	0.032	1.66	34
12.7	1/2	1.04	0.041	1.22	25
12.7	1/2	1.57	0.062	2.54	52
25.4	1	1.57	0.062	1.22	25
12.7 x 25.4	1/2 x 1	1.04	0.041	1.32	27
12.7 x 25.4	1/2 x 1	1.45	0.057	0.7	14
12.7 x 25.4	1/2 x 1	1.57	0.062	0.47	10
15.9	5/8	1.2	0.047	1.11	23
19	3/4	1.04	0.041	1.11	23
19	3/4	1.45	0.057	1.27	26
19	3/4	1.57	0.062	1.22	25
25.4 x 12.7	1 x 1/2	1.45	0.057	0.69	14
25.4 x 12.7	1 x 1/2	1.57	0.062	1.07	22

Other specifications can be customized according to customer requirements.



Brilliant Metal Mesh

Metal Mesh Manufacturer & Supplier

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