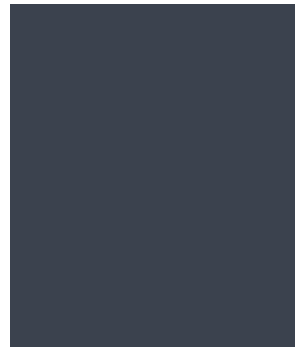
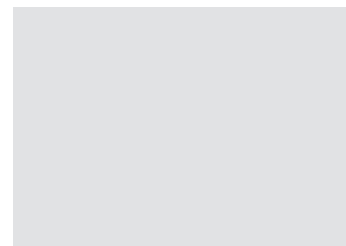
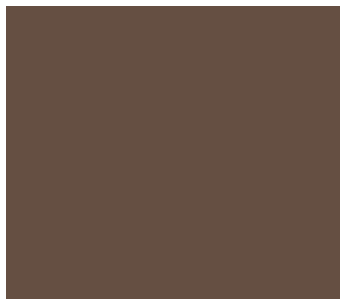
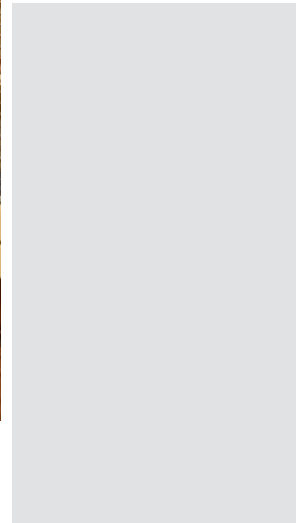
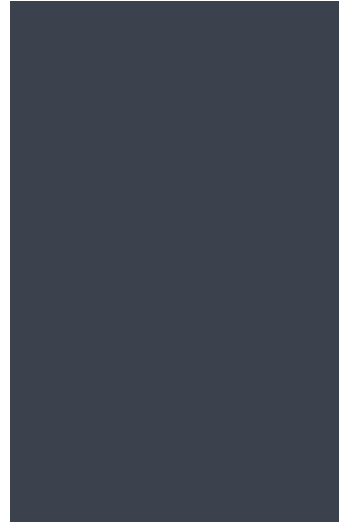
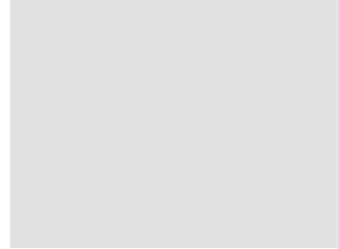




Stainless Steel Mesh

Exceptional corrosion resistance and strength makes stainless steel wire mesh a staple for hundreds of projects.





Versatile, Strong & Long-Lasting

Stainless steel mesh is a state-of-the-art product used in industries such as aerospace, mining, and automotive. TWP offers more than 135 variations of stainless steel for a wealth of industries as well as for residential and horticultural use.

Stainless steel wire mesh comes in several distinct alloys and weave types. This means you can tackle any project with confidence, from constructing air vents to building a barrier to keep gophers out of the garden.

Explore Your Options: Metals, Weaves & Finishes

Stainless steel mesh is the top choice for many industrial applications and can also provide a decorative touch to any creative project.



Metal Composition



Stainless Steel

Stainless wire mesh stands out by the sheer quality of its material—relying on a combination of chromium, nickel, and steel to better fight corrosion. No matter the alloy, stainless steel delivers a number of benefits.

Benefits

- Strong
- Corrosion resistant
- Heat and cold resistant
- Long-lasting
- Adaptable for hundreds of applications
- Budget friendly
- Can cut to any size with the right tools
- ROHS compliant

Uses

- Filters
- Pest control
- Garden trellises
- Privacy screens
- Fences
- Shelving
- Custom automotive grilles
- Stair railing infill

Stainless steel mesh screens offer even more advantages depending on the type of alloy they use. T-304 is the standard alloy, while T-316 is premium.

T-304

Composition

T-304 contains 18% chromium and 8% nickel.

Benefits

- Affordable
- Acceptable for most uses
- Good for continuous service at up to 1450 degrees F
- Good for intermediate service up to 1650 degrees F

Uses

- Sorting and screening abrasives, liquids, powders, and solids

T-316

Composition

T-316 contains 18% chromium, 10% nickel, and 2% molybdenum.

Benefits

- High quality
- Fights corrosion from salts, acid, and seawater especially well
- Best for continuous service up to 1500 degrees F
- Best for intermediate service up to 1650 degrees F

Uses

- Processing oils and foods, chemicals, and pharmaceuticals

Weave Types

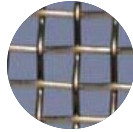


Whether your stainless steel mesh project skews industrial or decorative, you'll want to choose a weave variety that looks good and gets the job done. Fortunately, there are a lot of options.



Hexagonal

A hexagonal stainless steel woven screen has a honeycomb-like weave. It's perfect for decorative screens in cabinets, furniture, and gardens.



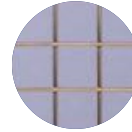
Plain Weave (PW)

Most stainless steel woven mesh uses a plain weave. It works beautifully for fireplace screens, window security, and papermaking.



Twill

Stainless steel cloth mesh is stronger with a twill weave. It's often the go-to for project specifications finer than 300, making it perfect for a range of filtering tasks.



Welded

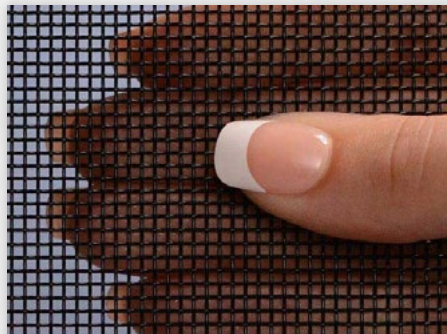
Stainless welded mesh offers spectacular strength and consistency. It's used in applications such as soffit screens, pet exclusion, food drying racks, and air vents.

Surface & Finish Coatings



Mill Finish

Mill is the surface texture of wire after it is drawn. It typically has a rough texture, but some mill finishes are smoother.



Poly Coated

Mesh polyester comes in black and resists solvents, high temperatures, water, and chemicals.



PTFE

Water beads on the surface of PTFE-coated stainless steel mesh, while air and fuels pass through. You can find it in coalescing filters and water-resistant speaker grilles and microphones.

Bring Your Project to Life

Whether you're an architect, scientist, engineer, DIYer, or craftsperson, there's a stainless steel wire mesh option to fit the demands, and aesthetics, of your project.

Our laser-cutting services mean you can get your material custom-cut to your specific needs. Have questions? We invite you to get in touch to discuss your project with our expert team.



This product guide provides an overview of just some of the stainless steel mesh products TWP Inc. offers. Contact us to learn more about our products and services.



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TWP inc. is a California corporation, founded in 1969, with its principal office at 2831 Tenth Street, Berkeley, California.

