

Expanded Metal Products Specification Sheet

Overview

Expanded metal is produced by slitting and stretching sheet metal into a mesh-like pattern. This results in a durable, non-raveling material that provides excellent strength-to-weight ratios, enhanced grip, and optimal open area for filtration, airflow, or visibility.

Available Alloys

- Carbon Steel (mild, hot-rolled, cold-rolled)
- Stainless Steel (304, 316, 316L)
- Aluminum (3003, 5052)
- Galvanized Steel
- Copper & Brass
- Titanium and High-Nickel Alloys (upon request)

Specification Sheet

Attribute	Specification Range
SWD (Short Way of Diamond)	0.125" to 6.0"
LWD (Long Way of Diamond)	0.25" to 12.0"
Thickness (Gauge)	0.0014" (36 ga) to 0.250" (1/4")
Open Area	20% to 85%
Strand Width	0.02" to 0.75"
Sheet Sizes	Standard: 48" x 96", 48" x 120"; Custom sizes available
Styles	Standard (Raised), Flattened

Industries Served

- Architecture & Construction: Walkways, facades, sunscreens, fencing
- Automotive & Transportation: Grilles, guards, enclosures
- Industrial Filtration: Screens, supports, strainers
- Oil & Gas: Safety platforms, protective cladding

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- Aerospace & Defense: Lightweight structural materials
- Agriculture & Food Processing: Machine guards, drainage panels
- Energy & Utilities: Ventilation panels, enclosures
- Public Infrastructure: Security mesh, railing infill panels

Why Choose Our Expanded Metal?

- Precision-manufactured to your exact specifications
- High-strength and corrosion-resistant alloys
- Quick lead times and reliable fulfillment
- Custom fabrication: bending, welding, and assembly
- ISO-certified production for consistent quality