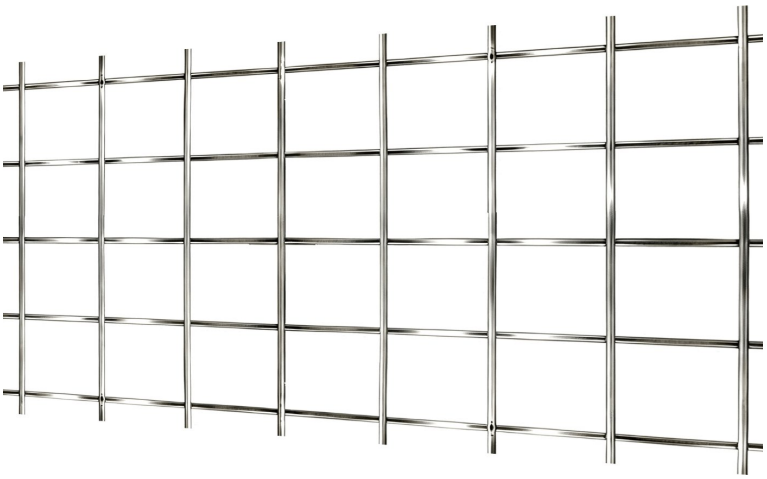
AXIS WELD 84

Welded stainless steel architectural wire mesh



This sleek architectural welded wire mesh features a clean square grid design, ideal for landscape grilles, ceilings, handrail infills and wayfinding backdrops, bringing decorative charm to diverse applications.

Technical Data

Model	AXIS WELD 84
Series	AXIS
Construction	Resistance-welded square grid
Panel type	Rigid, welded
Open area	84.5%
Overall thickness	21/64" (8.23 mm)
Aspect ratio (opening)	1.00:1
Wire diameter (nominal)	0.161" (4.1 mm)
Opening (nominal, W x H)	1.843" x 1.843" (46.8 x 46.8 mm)
Wire centers (nominal)	2.000" x 2.000" (50.8 x 50.8 mm)
Opening limitation (largest sphere)	1.843" (46.8 mm)
Weight (nominal, stainless steel)	4.1 kg/m² (0.84 lb/ft²)
Standard materials	Stainless steel 304 / 316, Plain / galvanized steel
Finishes	Mill, brushed or electropolished; powder coating (any RAL); PVD colors (titanium gold, rose gold, champagne, black titanium); antique plating (interior only)
Supply format	Rolls, cut sheets or framed panels made to your drawings. Maximum size depends on pattern and alloy - send your opening sizes for confirmation.

Weight by Material (nominal)

Material	kg/m²	lb/ft²
Stainless steel 304 / 316	4.1	0.84
Plain / galvanized steel	4.1	0.83

Key Features

- Architectural welded mesh with a clean square grid
- Very high open area for light and airflow
- Rigid panels that are simple to frame and install

Ideal for: Landscape grilles, ceilings, handrail infills and wayfinding backdrops.

Performance & Design Data

Solidity (1 - open area)	15.5%
Geometric cut-off angle (short opening)	80°
Railing infill check (100 mm / 4" sphere)	Openings smaller than 100 mm (4")
Fire behaviour	Bare stainless steel is a non-combustible metal. Coated, plated or backed finishes: classification per project test report.
Corrosion guidance	304 for interiors and protected exteriors; 316 / 316L for exterior, coastal and polluted environments.

Beyond this incidence angle, direct light and view through the short opening are blocked (louver effect).

Installation & Framing

Recommended fixing	Framed panels (U-edging, flat bar or angle), or welded tabs and clamps to posts. Welded intersections allow cutting to any shape without unraveling.

How to Specify

1. Pattern name, e.g. AXIS 81
2. Material and grade, e.g. Stainless steel 316
3. Finish, e.g. PVD Black Titanium or RAL 9005
4. Panel width x height and quantity
5. Opening direction (rectangular patterns)
6. Edge or frame profile and size
7. Indoor or exterior, and site location
8. Target delivery date

Nominal values are calculated from pattern geometry for stainless steel and may vary by approx. 10-15%. Weights for other alloys are calculated from the stainless steel value. Wire diameter, opening, alloy, finish and panel size can be customized - please confirm final specifications with a physical sample.