

# Electrowelded MESH

## Descripción del Producto

FORMIN's welded wire mesh consists of flat steel structures made from smooth or ribbed steel bars, arranged orthogonally and welded at every intersection. They are available in a wide variety of bar diameters, grid sizes, and configurations, depending on the final application.

Commonly used as a reinforcement element in underground excavations for temporary support.

## Advantages

- ❖ Foundations and footings in construction projects
- ❖ Residential structures: slabs, walls, and partitions
- ❖ Floors and pavements requiring uniform load distribution
- ❖ Protective elements: fences, grilles, and barriers
- ❖ Soil stabilization: slopes and fractured rock masses
- ❖ Precast elements: panels, pipes, and water tanks
- ❖ Underground tunnels: rockfall protection and shotcrete reinforcement



## Technical Features

- ❖ Welded wire mesh manufactured using fully automated processes, ensuring excellent dimensional stability.
- ❖ Available in rolls of various dimensions to suit project needs.
- ❖ Contact welding process provides clean joints, free of burrs or excess material.
- ❖ Offered in various grid sizes, depending on required strength levels and enclosure specifications.

## Material Technical Standard

The mechanical properties and chemical composition comply with **SAE 1008 standard**.

## Material Identification

Each roll or bundle is identified with a tag that includes the following information:  
Date, dimensions, wire type, gauge, grid spacing, heat number, production shift, machine, roll or panel number, product type (smooth or ribbed)

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## Mechanical Properties

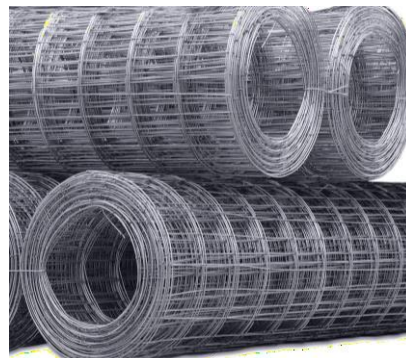
(Typical values for SAE 1008 steel wire)

- Yield Strength = 250 -280 N/mm<sup>2</sup>
- Tensile Strength = 350 -380 N/mm<sup>2</sup>
- Elongation = ≥ 32 %

## Chemical Composition

Typical Analysis (%), according to SAE 1008 Standard

Standard / Grade	Carbon (C) %	Manganese (Mn) %	Phosphorus (P) %	Sulfur (S) %	Silicio (Si) %	Silicon (Si) %	Níckel (Ni) %	Cooper (Cu) %
ASTM A-185, ASTM A-496, ASTM A-82	0.08	0.348	0.19	0.014	0.070	0.310	0.005	0.014



## Product Presentation

Welded wire mesh is manufactured from wire rod in various diameters, available in both ribbed and smooth finishes, galvanized or ungalvanized. It is supplied in rolls of different dimensions, according to customer specifications.

WELDED WIRE MESH IN ROLLS					
Kind	Wire Diameter	Spacing (mm)		Dimensions	weight (Kg)
		Longitudinal	Transverse		
ME-4X4 N°08	4.2	100	100	2.02 x 25 m	112
ME-4X4 N°08	4.2	100	100	2.4 x 10 m	53
ME-4X4 N°08	4.2	100	100	2.4 x 24.5 m	130
ME-4X3 N°08	4.2	100	75	2.02 x 25 m	129
ME-4X4 N°10	3.4	100	100	2.02 x 25 m	73
ME -4X3 N°10	3.4	100	75	2.02 x 25 m	85