

Woven Wire Mesh Gabion Retaining Wall

Woven gabions are wire mesh containers filled with rock, concrete, or sometimes sand and soil. They are divided into cells with diaphragms, typically spaced at 1 meter intervals, to reinforce the structure.



Product Overview

Professional Retaining Wall Solutions

Woven wire mesh gabion units are rectangular structures fabricated from double-twisted hexagonal mesh, specifically designed for hydraulic and geotechnical reinforcement. These flexible, permeable elements are reinforced with larger diameter edge wires to ensure structural integrity and ease of installation. By filling these cells with stone, contractors can build robust retaining walls, riverbank protections, and channel linings that conform seamlessly to the surrounding terrain.

Technical Specifications

Mesh Aperture and Wire Configuration

Opening (mm)	Metal Wire (mm)	PVC Coated Wire (mm)	Strands
60x80	2.0-2.8	2.0/3.0-2.5/3.5	3
80x100	2.0-3.2	2.0/3.0-2.8/3.8	3
100x120	2.0-3.4	2.0/3.0-2.8/3.8	3
120x150	2.0-4.0	2.0/3.0-3.0/4.0	3

Dimensional Tolerance

Opening shall not exceed $\pm 10\%$ on the nominal dimension

Material and Durability

Available Surface Treatments

Electro-galvanized, Hot-dipped galvanized (50g/m²), Heavy Hot-dipped (ASTM A641/EN 10244-2), PVC Coated (ASTM A975/EN 10245-2)

Construction Details

Structural Features

- Diaphragms spaced at 1-meter (3-foot) intervals
- Double-twisted hexagonal mesh pattern
- Reinforced edges for superior strength
- Permeable design for hydraulic control