

Gabion Baskets

Maccaferri's first gabion retaining structure project was constructed in 1893 to retain the river banks of the River Reno at Casalecchio. Maccaferri is known as the market-leader in gabions and mattresses. Our heritage provides a foundation of experience and credibility. Contact Maccaferri to get help with your next gabion wall design. Login below for gabion design assistance, software, brochures, installation guides, technical specifications and AutoCAD drawings.

Gabion retaining structures are rectangular wire mesh baskets filled with rock at the project site to form flexible, permeable, monolithic structures such as gabion retaining walls for commercial, industrial and road projects. They are also used for erosion control for bank stabilization, channel linings, and gabion weirs. Gabion strength lies in their double twisted hexagonal mesh of steel wire which is reinforced by selvages of heavier wire running along the edges and by transverse diaphragms. The wire will not unravel even when cut. Assembly is easy, requiring no specialized labor and nearby rock is used for fill.

Gabion retaining structures are available with different levels of protecting coating for durability. With 30% voids, gabion structures offer free drainage providing a higher bank stability when used for river bank protection.

Advantages of woven Maccaferri gabions:

- Monolithic and Flexible structures
- Tolerates differential settlement
- Uniform wire coating for extra durability
- Permeable structures
- Pre-assembled units for fast installation and higher quality product
- No specialized labor required for installation
- Soil Bioengineering

If you are interested in downloading our technical data sheets, please go to [documents](#).



Gabion - double twisted mesh



Gabion basket



Gabion weir

Case Studies

Sandstone Bluff Culvert Protection
El Malpais National Monument, New Mexico, USA
December 12, 2003
[USA014_SandstoneBluffNM.pdf](#)

Retaining Structure Supporting Highway
City of Cape Girardeu, Missouri, USA
May 1, 2004
[CapeGirardeauMO.pdf](#)

Protection of Eroded River Bank
Tucker Gulch, Colorado, USA
December 14, 2004
[TuckerGulchCO.pdf](#)

Terramesh® Waterfall in Prestigious Development
Chesapeake, Virginia, USA
January 22, 2005
[USA042_ChesapeakeVA.pdf](#)

Erosion Control at Landfill
Empire Landfill, Ransom Township, Pennsylvania, USA
November 28, 2004
[USA039_RansomTownshipPA.pdf](#)

Reinstatement of Highway Embankment
Highway 555, New Mexico, USA
December 14, 2004
[Highway555NM.pdf](#)

Gabion Dam Structure Controls Erosion
West Cornfield, New Mexico, USA
December 22, 2004
[USA041_CornfieldNM.pdf](#)

Gabion Culvert and Slope Protection
Washington County, Maryland, USA
May 1, 2004
[C&OCulvert.pdf](#)

Lake Boone Trail Erosion Repairs
Raleigh, North Carolina, USA
December 14, 2004
[USA019_LakeBooneNC.pdf](#)

Durable Gabion Retaining Structure
Falls Road, Baltimore, Maryland, USA
December 14, 2004
[USA028_FallsRoadMD.pdf](#)

Erosion Control in Housing Subdivision
Borough of Mountainside, New Jersey, USA
December 14, 2004
[USA032_Nomahegan.pdf](#)

MSE Structure Supports Highway
Los Alamos, New Mexico, USA
June 1, 2004
[NorthRoad_NM.pdf](#)

Protection of Exposed Sewer Line
Santa Fe, New Mexico, USA
September 18, 2003
[USA003_SantaFeNM.pdf](#)

Gabion Used for Golf Course Drainage Works
Alexandria, Virginia, USA
November 28, 2004
[USA025_Golf CourseVA.pdf](#)

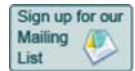
Huhugam Heritage Center
Maricopa City, Arizona, USA
December 18, 2003
[Huhugam_TM_Helv.pdf](#)

Wilkens Boulevard Erosion Repairs
Baltimore, Maryland, USA
December 14, 2004
[USA029_WilkensBlvdMD.pdf](#)

Northwest Avenue, MS Structure
Orlando, Florida, USA
December 14, 2004
[USA038_Northwest AveFL.pdf](#)

Download Brochures

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Fibers Technical Manual

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[English Units](#) | [Metric Units](#)

Download design software



[Gabion Wall Design - "GawacWin"](#)

[Channel Design - "Macra 1"](#)

[Gabion Weir Design - "Macra2"](#)

Design software is available free of charge only to users with postal addresses within Canada, Puerto Rico, USA, USA Protectorates, and the West Indies. For clients outside these territories, please visit www.maccaferri.com to identify the subsidiary closest to you.



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