

A.G.A. WELDED MESH GABIONS

A.G.A. Group gabions and mattresses come in sizes and finishes to suite any application. Whether stacked, bonded or installed individually, once filled with selected material they form a monolithic retaining wall to stabilise earth and control erosion. They are a well established product for use in high velocity and turbulent rivers, revetments, drainage channels and tidal waters.

- Natural face
- Attractive appearance
- Range of fill material available
- Versatile sizes
- Stabilises earth
- Controls erosion
- Excellent habitat for a host of different species
- High tensile wire mesh
- Electrically welded at every intersection

The use of natural stone at the face of gabions results in an attractive appearance, moreover above or below the water line they provide excellent habitat for a host of different species.

Gabions form a flexible monolithic structure and can maintain total structural effectiveness even on land liable to differential settlement.

Our gabions are made from high tensile wire mesh electrically welded at every intersection.



Concept to Completion

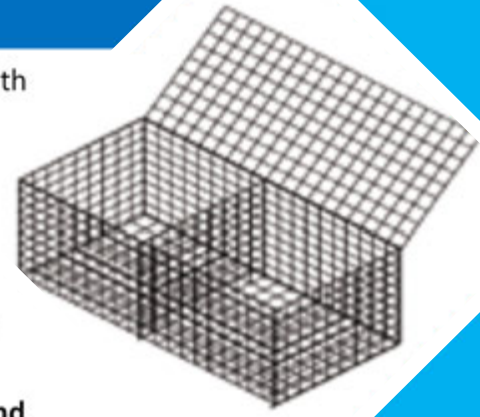
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GABIONS & MATTRESSES.

The selection of the appropriate fill material can help structures to blend in with their natural surroundings.

The dimensions of the fill material should exceed the mesh size and should be overfilled by 20 mm - 50 mm to allow for settlement.



Gabions Nominal Dimensions		
Length x Width x Height	Dividers	Capacity (m ²)
1.0m x 1.0m x 0.5m	0	0.5
1.0m x 1.0m x 1.0m	0	1.0
1.5m x 1.0m x 0.5m	1	0.75
1.5m x 1.0m x 1.0m	1	1.5
2.0m x 1.0m x 0.5m	1	1.0
2.0m x 1.0m x 1.0m	1	2.0
3.0m x 1.0m x 0.5m	2	1.5
3.0m x 1.0m x 1.0m	2	3.0
4.0m x 1.0m x 0.5m	3	2.0
4.0m x 1.0m x 1.0m	3	4.0

Mattresses Nominal Dimensions		
Length x Width x Height	Dividers	Capacity
3.0m x 2.0m x 0.15m	2	0.9
3.0m x 2.0m x 0.255m	2	1.35
3.0m x 2.0m x 0.3m	2	1.8
6.0m x 2.0m x 0.15m	5	1.8
6.0m x 2.0m x 0.225m	5	2.7
2.0m x 1.0m x 0.3m	5	3.6

The A.G.A. Groups 20 years experience in aquatic engineering enables us to provide the best in design suggestions, fill materials and environmentally acceptable solutions in the use of gabions.

At A.G.A. we are able to offer a comprehensive range of gabions and mattresses as standard.

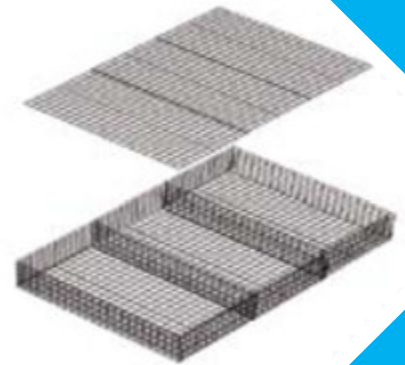
These units can be the solution for the majority of design situations.

Delivery

All gabions arrive on site flat and comprise base, four sides, dividers (if required), lid and lacing wire.

Assembly

Components are held together using either butt welded rings, ring clips or helicoils to enable gabions to be erected quickly with readily available labour. Assembled gabions are normally placed in-situ prior to filling. Only minimal foundation preparation is usually required for gabions and they generally need little or no extra drainage considerations since they provide natural drainage and they can also allow for the establishment of



vegetation. Where geosynthetic fabrics are used in conjunction with gabion constructions A.G.A. are able to offer the most appropriate product. Welded mesh gabions can be easily cut and folded to form mitre joints, angles or curves. Cuts made close to the welded joints of the mesh naturally form selvedge edges. These clean edges can then be wired neatly to adjacent faces.

This information is subject to change arising from new developments and findings. If you are unable to find the item you are looking for, please do not hesitate to contact us immediately.

The A.G.A. Group installation teams operate solely within the field of aquatic and bioengineering. We operate a policy of 'Best Practice' and are bound by the Code of Conduct of both the Institute of Fisheries Management and the Society of Biology. The A.G.A. Group will quote for the supply of materials, their installation or for 'turnkey' projects.

A.G.A. is Quality assured to: ISO45001 : 2018, ISO9001 : 2015 & ISO 14001 : 2015

A.G.A. Group, MMG and MHP and AGACES are trading styles of A.G.A. Group Enviro-Fix Limited

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'Concept to Completion'



The information set forth in this brochure reflects our best knowledge at the time of issue.

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