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GABIONS ASSEMBLED BY WELDED MESH PANELS

Since years, gabions are especially used in hydraulic projects and road construction. Nowadays you can see them more and more in architectural projects such as landscaping, decoration, facade cladding

The gabions have square or rectangular meshes and have several characteristics.

Panels with closed edges

The wire ends are welded together with a final wire that frames the panel. This extra wire is necessary to ensure the assembly of the panels by :

*) either lacing tool. In this case you need rings (diameter 3,00 mm) that are available in galvanized or inox steel (stainless steel).

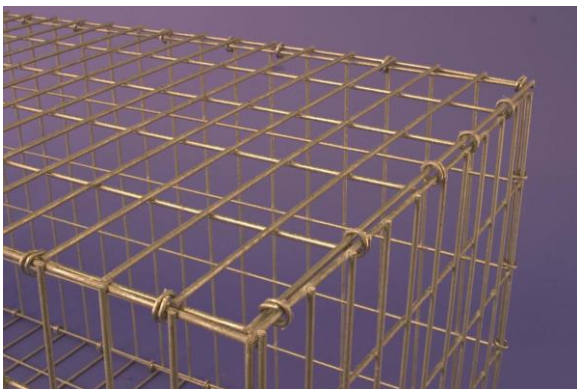
For the assembly you need an air compressor (6-7 bar).

*) or spirals with a diameter of 4,5 mm in galvanized or inox steel.

At the inside of the gabions, we recommend to foresee tie wires, that connects the front and the back. The tie wires are necessary to strengthen the gabion. They also avoid that the sides of the gabion bend. We provide two tie wires per meter length.

(Position: at 0,5 m height, the tie wires are at half height; at 1 m height, the tie wires are at 1/3 et 2/3 height)

Assembly by **rings**:

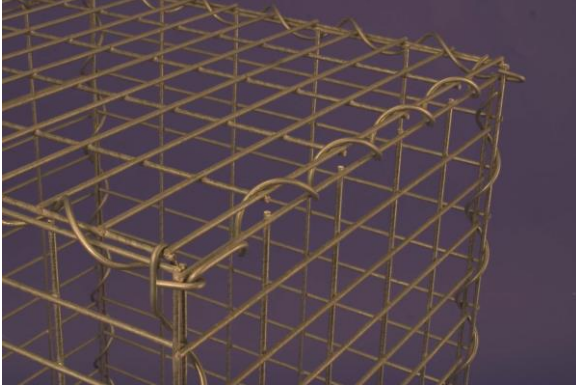


Lacing tool:



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Assembly by spirals:



Characteristics of the wire / the panels:

- Diameter: 3,50 / 4,00 / 4,50 / 5,00 / 5,60 / 6,00 mm
- Type of wire:
 - Galfan wire in conformity to the European standard EN10244-2 class A (Bezinal® 2000)
 - Stainless steel wire – inox type 1.4301
- Tensile strength of the galfan wire 450-600 N/mm², of the inox wire 700-800 N/mm²
- Meshes: 50 x 50 mm / 50 x 100 mm / 75 x 75 mm / 100 x 100 mm
- Dimensions panels:
 - Length: variable
 - Width: variable (max. 1500 mm)
- Shape of the panel:
 - Rectangular, trapezium,...
 - Bended in U-shape, L-shape ...

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Most of the dimensions have to be made-by-measure. However we do have a lot of standard panels on stock.

Dimensions	Mesh types	Wire diameter
2000 x 1000 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
2000 x 500 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
2000 x 300 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1500 x 1000 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1500 x 500 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1000 x 1000 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1000 x 500 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1000 x 300 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
500 x 1000 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
500 x 500 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
500 x 300 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
300 x 1000 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
300 x 500 mm	50 x 100 mm - 100 x 100 mm	4,50 mm
1950 x 975 mm	75 x 75 mm	4,50 mm
1950 x 525 mm	75 x 75 mm	4,50 mm
1950 x 300 mm	75 x 75 mm	4,50 mm
975 x 975 mm	75 x 75 mm	4,50 mm
975 x 525 mm	75 x 75 mm	4,50 mm
975 x 300 mm	75 x 75 mm	4,50 mm
525 x 525 mm	75 x 75 mm	4,50 mm
525 x 300 mm	75 x 75 mm	4,50 mm

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