

PRODUCT DATA SHEET

Gabions



Gabions are rectangular wire mesh baskets filled with rock at the project site to form flexible, permeable, monolithic structures such as retaining walls for commercial, industrial and road projects. They are also used for erosion control, bank stabilization, channel linings and weirs..

Gabions Boxes are made out of following material:

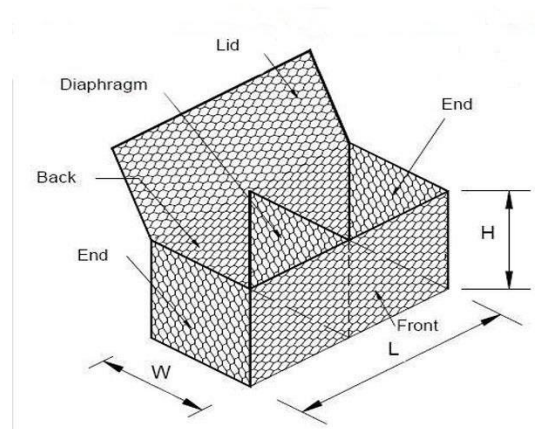
Zinc coated on wires as per EN10244-2

Tensile Strength/wire diameter/Gabion Meshes as per EN 10223-3

- Heavy galvanized MS wire
- PVC coated wire
- Galfan

Boxes:

- These are blocks made of gabion mesh, which can be filled on the site with rocks, stones, debris and crushed concrete.
- (Note: similar boxes can also be made out of welded wire mesh)



Mattresses:

- Mattresses out of gabions are used to provide protection on water courses.

Rock fall netting:

- As the name suggests, this kind of netting made out of gabion mesh finds application in preventing rocks and debris from spilling.

Gabion sack:

- Used in controlling water flow.

OZ Factory Company:

(An ISO 9001:2015 Accredited Company)

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Advantages Gabion mesh offers

- Has wide range of applications, but to name a few popular ones
- Exemplary modularity and ability to stack them in various shapes.
- Resistant to being washed away by moving water, reduces energy of the moving water.
- Self adjustment to moving ground.
- Gradually with time, as silt and vegetations grows, the roots and other natural growths bind the filling material more tightly.



Applications

- Retaining wall structures
- Gabion revetments
- Canal and river walling
- Rock-fall protection
- Weir Structures
- Gabion fencing
- Coastal protection
- Protection of bridge and culverts
- Bridge abutments

General Specifications

Mesh Size (mm)	Mesh Wire (mm)		Selvedge Wire (mm)		Boxes Sizes In Meters		
					Length	Width	Height
60 x 80	GI	2.00 2.20 2.40	GI	2.40 2.70	1.00 – 6.00	1.00 – 2.00	0.15 – 1.00
	GI + PVC	2.00/3.00 2.20/3.20 2.40/3.40	GI + PVC	2.40/3.40 2.70/3.70			
80 x 100	GI	2.40 2.70 3.00	GI	3.00 3.40 3.90	1.00 – 6.00	1.00 – 2.00	0.50 – 1.00
	GI + PVC	2.40/3.40 2.70/3.70 3.00/4.00	GI + PVC	3.00/4.00 3.40/4.40 3.90/4.90			
100 x 120	GI	2.40 2.70 3.00	GI	3.00 3.40 3.90	1.00 – 6.00	1.00 – 2.00	0.50 – 1.00
	GI + PVC	2.40/3.40 2.70/3.70 3.00/4.00	GI + PVC	3.00/4.00 3.40/4.40 3.90/4.90			

Notes: Partitions are at every 1 meter. Tie wire of GI (2.0 mm, 2.2 mm or 2.4 mm) or GI + PVC (2.0/3.0 mm, 2.2/3.2 mm, or 2.4/3.4 mm) coated, generally the quantity supplied is 5% of the box weight.

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