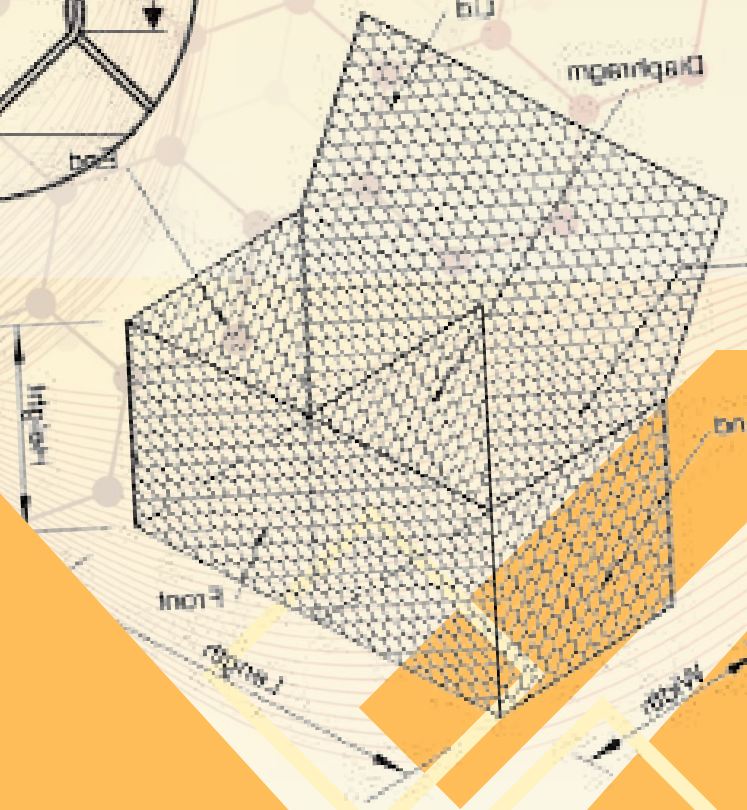
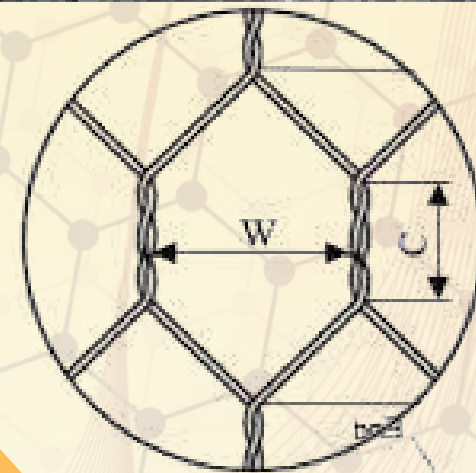
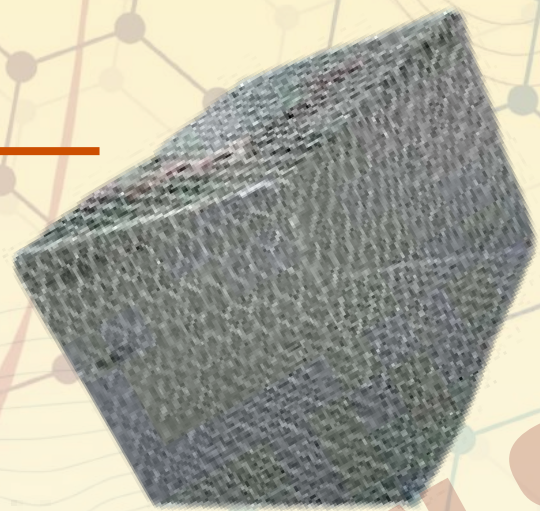




# MAGMEON SOLUTIONS

## GABION BOXES

### GABION WALL INSTALLATION



Paliyodu  
Trivandrum





## MISSION

To deliver high quality structural meshes that will provide durability and cost efficiency to the project.

To provide cutting edge solutions to our customers through our products & services.

To deliver the right value to all our stakeholders.

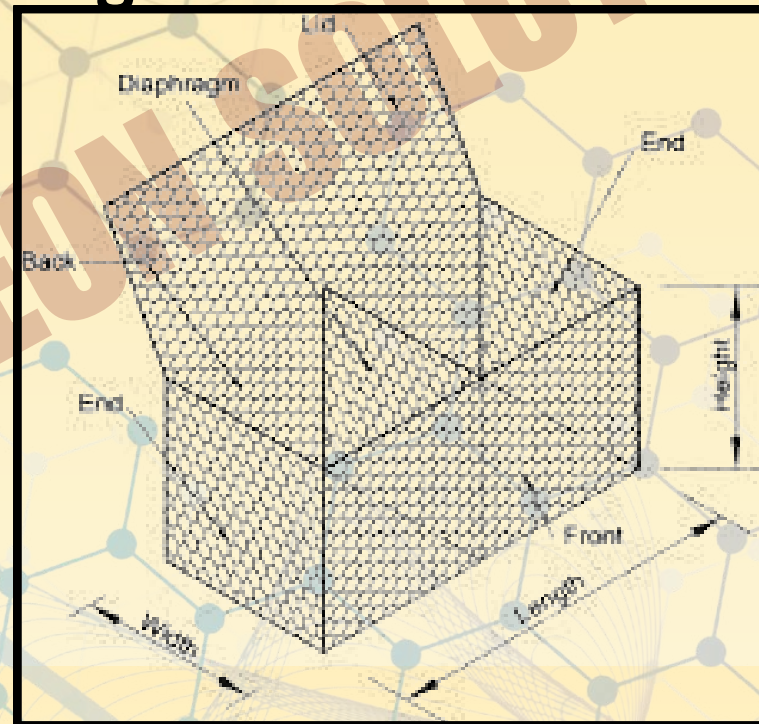
To foster a culture of environmentally sustainable products.

To nurture creativity and encourage entrepreneurship.



## GABION BOX

A Gabion structure is prepared from pre-assembled rectangular cages made of double twisted steel woven wire mesh filled with rocks/ boulders. It is a simple gravity retaining structure, which retains soil with its weight. these kinds of structures are utilized in highways, bridges, canal linings, buildings, shore protection works, and other structures. One of the main benefits of these kinds of systems is that the pore-water pressure that builds up behind the walls is prevented by the porosity of gabions. These structures blend with the surroundings and allow vegetation to take roots through the structure which enhances the life of the structure.



### Cost-Effectiveness:

Gabions are often cheaper than conventional materials like concrete or masonry, partly due to easy installation and the ability to use on-site or locally sourced stones.



# Key Advantages

## **Erosion Control:**

**Gabions act as a protective armor against erosion, preventing soil loss and protecting vulnerable areas from landslides and floods.**

## **Flexibility:**

**Unlike rigid concrete, gabion walls are flexible, allowing them to adjust to ground movement and changing soil profiles without cracking or failing.**





### **Ease of Installation:**

**Gabions are relatively simple to assemble and install, often requiring no specialized labor or equipment, which reduces construction time and costs.**







### **Permeability and Drainage:**

**The porous nature of gabion boxes allows water to pass through the stone fill, preventing hydrostatic pressure buildup behind the wall and eliminating the need for weep holes.**







### **Sustainability:**

**Gabion boxes are an eco-friendly solution, often filled with locally sourced, natural materials. Over time, plants can grow in the gaps, enhancing the ecological value of the site.**



### **Durability:**

**The combination of sturdy wire mesh and durable stone fill creates a long-lasting, resilient structure that can withstand extreme weather and wear.**



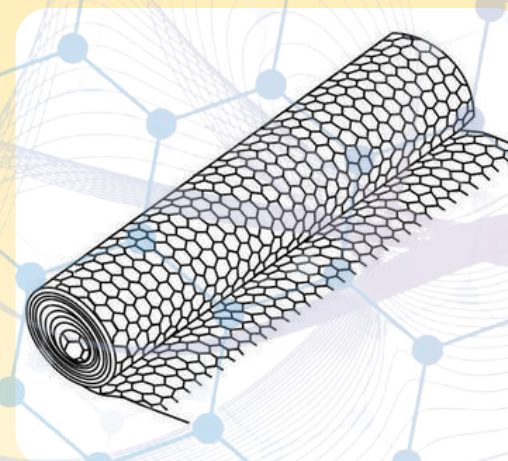
# Gabion Mesh

## GAB 1.2\_G

### DATA SHEET

PARTICULARS	VALUE
Mesh Shape	Hexagonal (Double Twisted)
Mesh Opening (Tolerance: +/- 10%)	10 X 12 cm
Mesh Wire Dia (Galvanized)	2.20 mm to 2.70 mm
Selvedge Wire Dia (Galvanized)	3 mm Or 3.40 mm
Lacing Wire Dia (Galvanized)	2 to 2.20 mm
Typical Types	Box form / Roll form
Typical Dimensions in Boxes (in mtr)	4 X 1 X 1 3 X 1 X 1 2 X 1 X 1 1.5 X 1 X 1 2 X 1 X 0.5
Typical Dimensions in Rolls (in mtr)	2 X 25 3 X 25 4 X 25

Please Note: Tolerances as per relevant IS shall be applicable on all our gabion products.



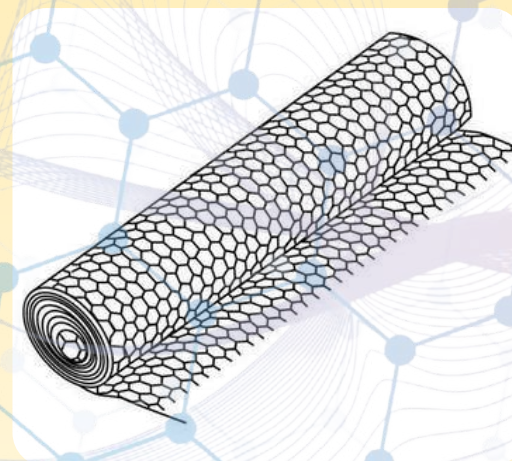
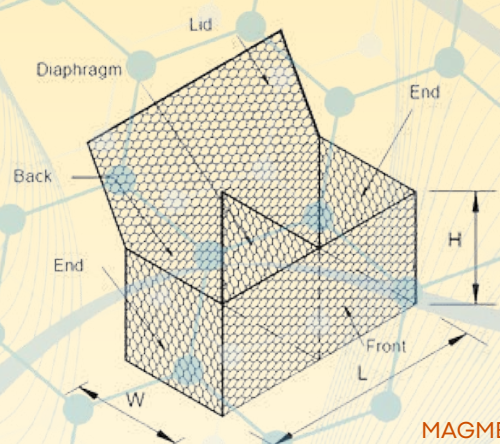


# Gabion Mesh GAB 1.2\_GP

## DATA SHEET

PARTICULARS	VALUE
Mesh Shape	Hexagonal (Double Twisted)
Mesh Opening (Tolerance: +/- 10%)	10 X 12 cm
Mesh Wire Dia (Galvanized + PVC)	2.70 / 3.70 mm
Selvedge Wire Dia (Galvanized + PVC)	3.40 / 4.40 mm
Lacing Wire Dia (Galvanized + PVC)	2.20 / 3.20 mm
Typical Types	Box form / Roll form
Typical Dimensions in Boxes (in mtr)	4 X 1 X 1 3 X 1 X 1 2 X 1 X 1 1.5 X 1 X 1 2 X 1 X 0.5
Typical Dimensions in Rolls (in mtr)	2 X 25 3 X 25 4 X 25

Please Note: Tolerances as per relevant IS shall be applicable on all our gabion products.





For inquiries, feel free to contact us.



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