

## **Gabion Mesh**

**Gabion Mesh** consists of rectangular units, fabricated from a double-twisted hexagonal mesh. Filled with stones, gabions become large, flexible and permeable elements from which a broad range of structures may be built.

Although **Gabion Mesh** can theoretically be manufactured of any type of wire or plastic mesh, the most suitable type of mesh is a dimensionally stable mesh that is non-ravelling. Welded wire mesh has now become the principal mesh used in the manufacture of gabions.

### **Material:**

Stainless steel

Low carbon steel

### **Features:**

Economic. Just fill the stone into the gabions and seal it.

Simple installation. No special technology needed.

Weather proof under natural destroy, corrosion resistant.

No collapse even under big scope of deforming.

Sludge in the stones is good for plant growing.

Mixed to form a integrity with the natural environment.

Good permeation can prevent the damage by hydrostatic.

Less transport freight. It can be folded together for transport and further installation.

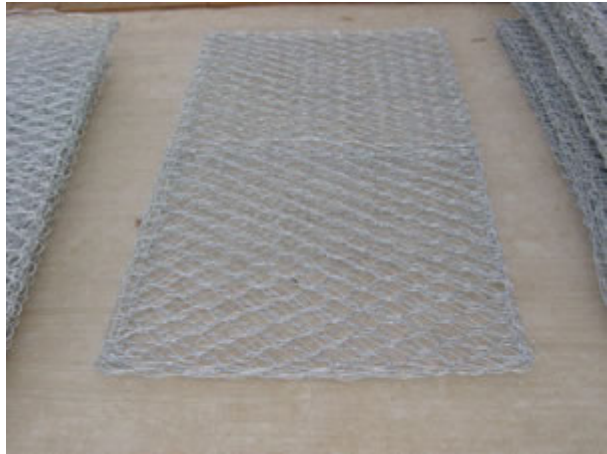
### **Application:**

**Gabion Mesh** are customisable and we can fabricate curves for home garden use.

**Gabion Mesh** can be made into mass gravity retaining walls to against the disturbing forces. Gabion are rectangular woven wire mesh baskets filled with rock to form flexible, permeable, monolithic structures such as retaining walls for commercial, industrial and road projects. They are also used for erosion control, bank stabilisation, architectural and urban design features, noise attenuation structures and weirs.



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Specification of **Gabion Mesh**:

Table 1 mesh characteristics

Characteristics	Gabion	
	Metallic coated	PVC coated
Mesh type opening	8 by 1083 by 114 mm(3.25 by 4.5 in.)	8 by 1083 by 114 mm(3.25 by 4.5 in.)
Mesh wire	2.4/2.7/3.0mm	2.4/2.7mm
Selvege wire	3.0/3.4/3.8mm	3.0/3.4mm
Lacing wire	2.2mm	2.2mm
Fasteners	3.0mm	3.0mm
Stiffeners( using lacing wire )	2.2mm	2.2mm
Preformed	3.8mm	3.4mm
PVC coating thickness:	N/A	0.5mm

Nominal		
Minimum	N/A	0.38mm

Table 2 typical **Gabion Mesh** size (m)

Length M	Width M	Height M	No. Of Cells	Volume M3
Meter	Meter	Meter	Each	Cu.meter
2.0	1.0	1.0	2.0	2.0
3.0	1.0	1.0	3.0	3.0
4.0	1.0	1.0	4.0	4.0
2.0	1.0	0.5	2.0	1.0
3.0	1.0	0.5	3.0	1.5
4.0	1.0	0.5	4.0	2.0
2.0	1.0	0.3	2.0	0.6
3.0	1.0	0.3	3.0	0.9
4.0	1.0	0.3	4.0	1.2

Table 3 typical **Gabion Mesh** size (feet)

Length Feet	Width Feet	Height Feet	No. Of Cells	Volume Yd3
Feet	Feet	Feet	Each	Cu.Yard
6.0	3.0	3.0	2.0	2.0
9.0	3.0	3.0	3.0	3.0
12.0	3.0	3.0	4.0	4.0
6.0	3.0	1.5	2.0	1.0
9.0	3.0	1.5	3.0	1.5
9.0	3.0	1.5	3.0	1.5
12.0	3.0	1.3	4.0	2.0
6.0	3.0	1.0	2.0	0.67
12.0	3.0	1.0	4.0	1.33