

Gabions are cages / cylinders / boxes filled with rocks / concrete / sand / soil for use in civil engineering, road building, military applications and landscaping.

## **Welded Mesh Gabions:**

They are made of welded wire fabrics. These wire mesh containers are uniformly welded and can be supplied in various sizes.

Welded Gabion baskets can be connected with other similar containers and filled with stone to form a flexible and permeable structure for retaining river banks and soils.

The steel wire used for making the welded mesh Gabion Baskets is cold drawn high tensile steel zinc coated.

### **Benefits:**

- Greater strength due to welded wires
- Offer great flexibility
- Variety of sizes
- Can be made using different wire diameters

### **Applications:**

- Perimeter security and emergency defence walls (geotextile to be used for filling material)
- Explosive and contraband search areas
- Observation points / outposts
- Highway check points
- Border crossing check points
- Architectural purpose



### **Configurations:**

- Mesh size: 100 x 100 mm / 75 x 75 mm in multiples of 25 mm
- Wire diameter: 4.0 mm, 5.0 mm
- Wire diameter of spiral: 4.0/5.0mm
- Box size: Can vary as per project requirement
- Geotextile: Non-woven polypropylene

### **Finishes:**

- Hot dip galvanized
- Hot dip galvanized and PVC coated
- Galfan Coating
- Powder Coating

### **Applicable standards:**

- ASTM A 975
- ASTM A641 / EN 10244 Class A

Gabions are cages / cylinders / boxes filled with rocks / concrete / sand / soil for use in civil engineering, road building, military applications and landscaping.

## Woven Gabions:

They are gabion boxes made by weaving wire as against welding. The twisted structure provides higher tensile strength which can be used in heavy duty applications. These are usually used for river bank protection, soil erosion protection and flood control applications.

### Benefits:

- Greater strength due to welded wires
- Maximum flexibility
- Can be used as boxes as well as mattress

### Applications:

- Erosion control (caged rip rap)
- Dams / foundation control (cylindrical metal structure)
- Flood control



### Configurations:

- Mesh size: 60 x 80 mm / 80 x 100 mm
  - Mesh wire diameter: 3.0 / 4.0 mm
  - Selvedge wire diameter: 3.9 / 4.9 mm
  - Box size:
    - Length range 0.5 m to 4.0 m
    - Width range 0.5 m to 2.0 m
    - Height range 0.3 m to 1.0 m
- Custom size available upon request

### Finishes:

- Hot dip galvanized (heavy galvanized)
- Hot dip galvanized and PVC coated
- Galfan Coating

### Applicable standards:

- ASTM A 975
- ASTM A641 / EN 10244 Class A

## Know more

To know more about **Gabions** visit [www.ambitionsllc.com](http://www.ambitionsllc.com) or contact us:

#### United Arab Emirates

+971 (0) 43688518

+971 50 4866216

[info@ambitionsllc.com](mailto:info@ambitionsllc.com)

#### Kuwait

+965 9727 5198

[info@ambitionsllc.com](mailto:info@ambitionsllc.com)

[sales@aig-kwt.com](mailto:sales@aig-kwt.com)

#### Oman

+968 9907 8446

[info@ambitionsllc.com](mailto:info@ambitionsllc.com)

#### KSA/ Rest of Middle East

+971 50 1177097

(WhatsApp)

[info@ambitionsllc.com](mailto:info@ambitionsllc.com)

**Ambitions Metal Products LLC - D12, Dubai Industrial Park, Phase 2, PO Box 121560, Dubai, United Arab Emirates**

Website: [www.ambitionsllc.com](http://www.ambitionsllc.com) | An ISO 9001:2015 Certified Company



Ambitions is committed to follow a strict adherence to HSE procedures as per ISO 14001:2015, ISO 45001:2018 certifications

\*Please do not print unless required\*