

**NOVA**  
METAL WIRE MESH



**Gabion Basket**

**Nova Metal Wire Mesh Products Co., Ltd** (Original name is Anping Nova wire mesh products factory) is a professional manufacturer of metal wire meshes. Nova was founded in 1999, located in the famous "Chinese Screen town" - Anping West Industry Developing Zone.

Our products include 6 series: gabion, fence, guardrail, stainless steel basket and filter, steel grating, welded wire mesh.

The entire team at Nova metal wire mesh is dedicated to provide excellent service, qualified products and competitive pricing. We wish to establish long-term win-win partnership with both domestic and foreign customers. Nova metal wire mesh is happy to be of service to you now and in the future.

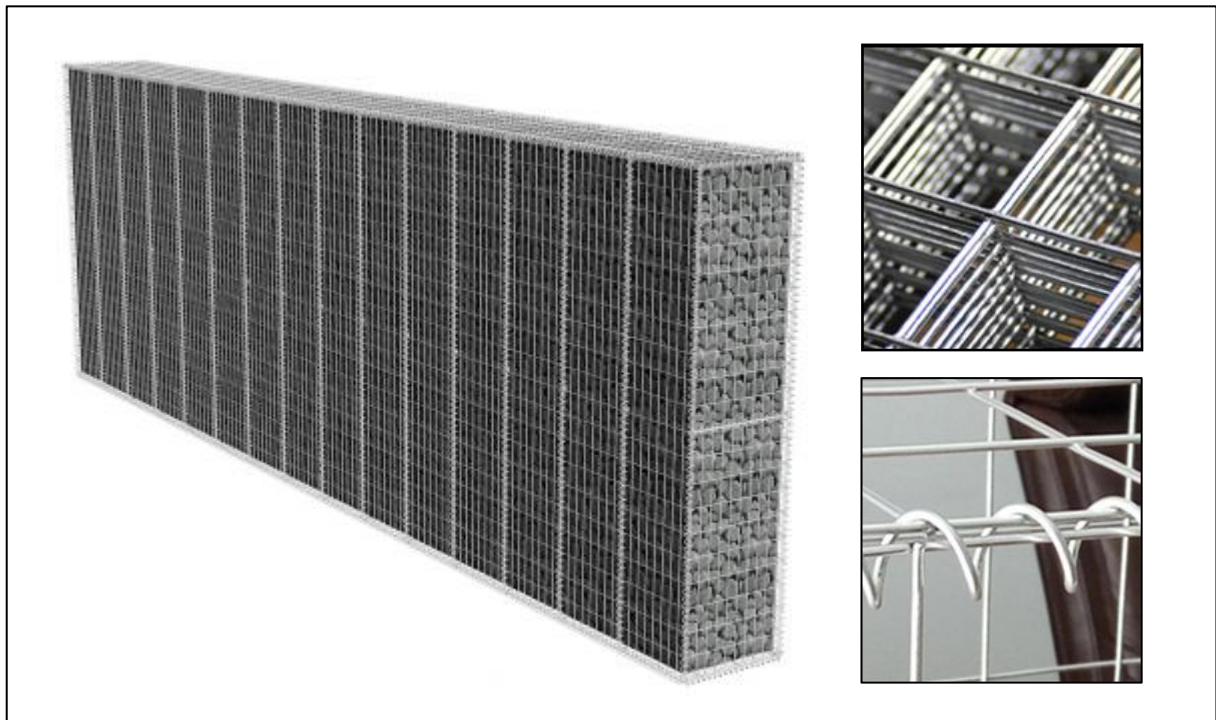


**Welded Gabion Box** is welded from steel wire.

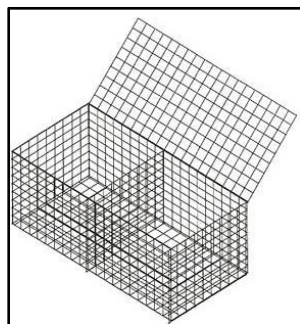
It is filled with stones at the project site to form flexible, permeable, and monolithic structure which acts to slow down the water flow in drainage ditches or storm water.

For military use it can be equipped with geotextile and filled with solid / sand as defense project.

And landscape works using gabion is becoming popular.



For gabions of large sizes, there can be **diaphragm** & **reinforcement hooks** installed as per requirement.



**Gabion with Diaphragm**

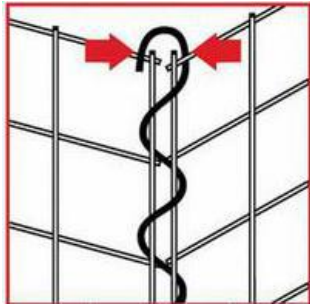


**Gabion with Reinforcement Hooks**



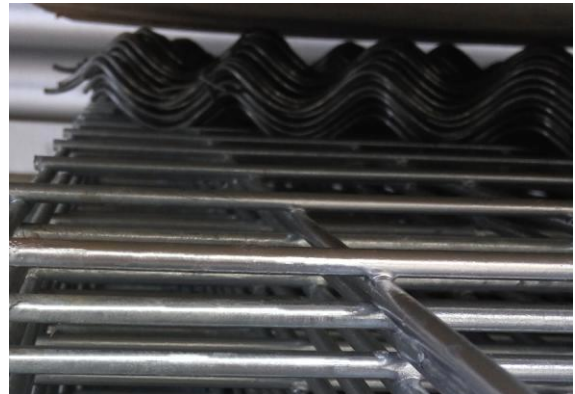
It is **spiral binder** be used to integrate mesh panels into a box.

Also a number of gabions can be linked together using **spiral** to form a long barrier for defense.

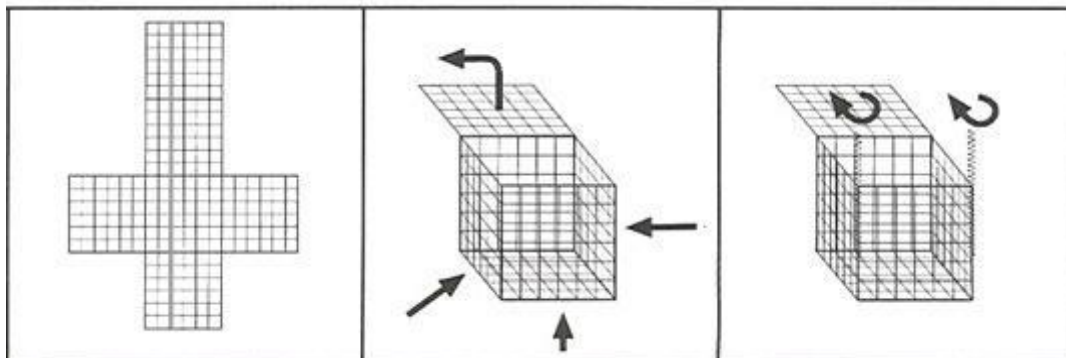


Welded gabion is **supplied in 2 ways**:

1. **All parts** (including mesh panels, spiral binders, hooks) are **separate**. This most saving shipping space is needed in this way.



2. **Half assembled** - the base mesh panel is pre-clipped to the 4 sides and lid is clipped to the back panel.



Half assembled

4 sides panels spiral folded

Spiral bound

## Types of **Surface Finishing**

- Type 1 - HDP Galvanized wire - **Zn coated - BEFORE** welding
- Type 2 - HDP Galvanized wire - **Zn Al (5% OR 10%) coated - BEFORE** welding
- Type 3 - HDP Galvanized wire - **Zn coated - AFTER** welding
- Type 4 - **PVC coated** further to any TYPE 1/2/3
- Type 5 - **powder coated** further to any TYPE 1/2/3



## Notes:

- ✓ \* TYPE 1/2/3 - Coating weight varies from 45g/m<sup>2</sup> to 600g/m<sup>2</sup>. The price varies much accordingly.
- ✓ \* The **heavier** coating weight, the **better** corrosion resistance.
- ✓ \* Electro-gal. has too thin coating which is seldom adopted.
- ✓ \* Black welding **spot visible** for type 1/2



## Specification of Welded Gabion Mesh

	Minimum diam. Metallic-Coated Wire. in. (mm)	Minimum diam. PVC-Coated Wire (including coating). in. (mm)	Gabion Size (L x W x H)	Surface Treatment
For PVC Coated Gabion	0.106 (2.7)	0.136 (3.5)	As Customized	Refer to surface finishing page
For Metallic Gabion	0.120 (3.05)	N/A		
For Gabion Mattress	0.087 (2.2)	0.117 (3.0)		
(* Diameter can be smaller than above for other application)				

Regular Mesh Aperture	
Mesh opening	Type
2"x2" (50x50)	Gabion  Gabion mattresses
3"x3" (76x76)	
1.5"x3" (38x76)	

Typical Gabion Sizes						
Length, ft (cm)	Width, ft (cm)	height, ft (cm)	Number of cells	Capacity, yd3 (m3)		
6 (182.9)	3 (91.4)	3 (91.4)	2	2.0 (1.53)		
9 (274.3)			3	3.0 (2.29)		
12 (365.8)			4	4.0 (3.06)		
6 (182.9)		1.5 (45.7)	1.5 (45.7)	2	1.0 (0.765)	
9 (274.3)				3	1.5 (1.15)	
12 (365.8)				4	2.0 (1.53)	
6 (182.9)			1 (30.5)	1 (30.5)	2	0.66 (0.5)
9 (274.3)					3	1.0 (0.765)
12 (365.8)					4	1.33 (1.02)

\*Diaphragm / stiffers optional

Typical Gabion Mattress Sizes					
Length, ft (cm)	Width, ft (cm)	height, ft (cm)	Number of cells	Capacity, yd3 (m3)	
9 (274.3)	6 (182.9) 6 (182.9)	0.5 (15.2)	3	6.0 (5.2)	
12 (365.8)			4	8.0 (6.69)	
9 (274.3)		0.75 (22.9)	3	6.0 (5.2)	
12 (365.8)			4	8.0 (6.69)	
9 (274.3)		1.0 (30)	1.0 (30)	3	6.0 (5.2)
12 (365.8)				4	8.0 (6.69)

\*Diaphragm / stiffers optional

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