



ANPING ENZAR METAL  
PRODUCTS CO., LTD.

## Curved Welded Gabion Baskets

# INSTALLATION GUIDANCE

Installation Directions  
of Curved Welded  
Gabion Baskets





# How to Construct Curved Gabion Retaining Wall ?

Curved gabion retaining walls have several welded gabion mesh connections fixed in place. These strong gabion structures excel in soil stabilization, erosion control, and slope stability. In addition to their practical function, the curvature created by curved gabion retaining walls can lend an artistic flavor to the environment, making them a popular choice for enhancing riverbanks, garden landscaping, and fencing applications. With a wealth of experience, we can provide gabion products and comprehensive installation guides to ensure the perfect execution of your project.

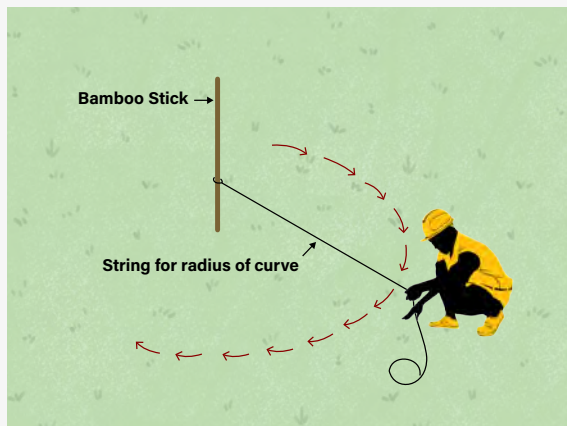
## Preparation List

- Wooden stick
- Strings
- Measuring tape
- Geotextile
- Stones
- Bolt cutter
- Shovel
- Welded gabion meshes
- Braces
- C-clips
- Air gun for C-clip installation
- Trumper

## Installation

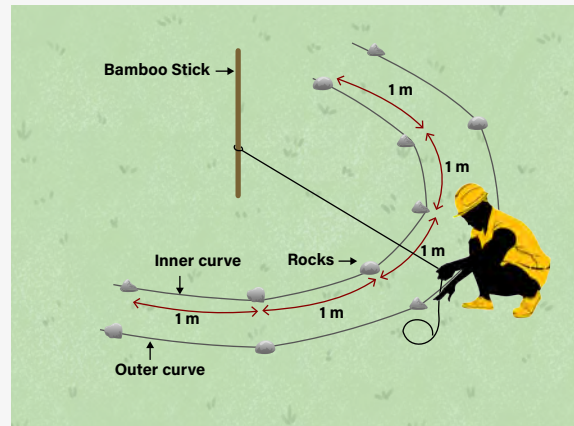
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## Installation Location & Materials Confirmation



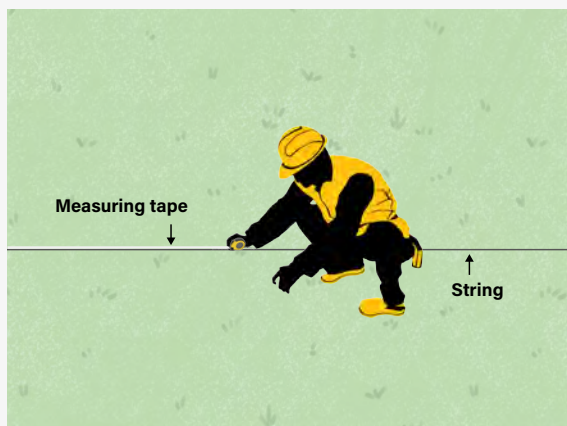
### ▲ Step 1: Determine Curve Location

Attach one end of the string to a wooden stick. Tighten the other end of the string to create a curved gabion retaining wall area.



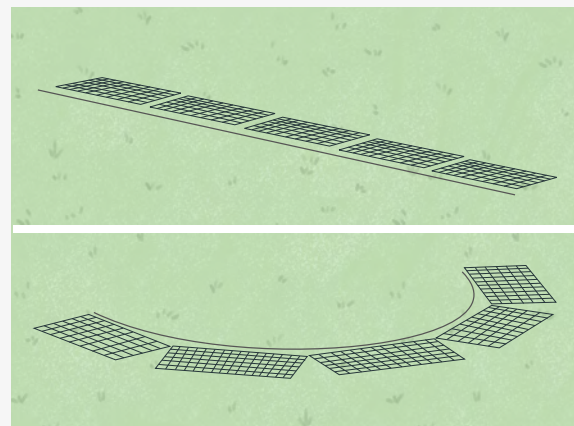
### ▲ Step 2: Mark the Curve With Strings

Fix strings in corresponding positions with stones every 1 meter. 2 strings placed on the ground are used to mark the inner and outer sides.



### ▲ Step 3: Measure the Strings

Straighten the 2 strings on the ground and measure the lengths of both strings with measuring tape.

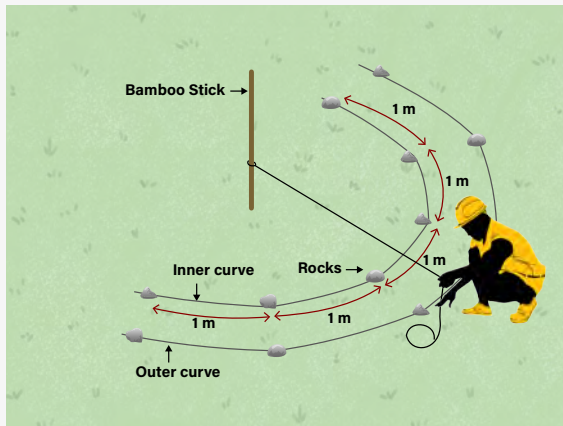


### ▲ Step 4: Purchase Materials

You will need enough welded gabion meshes to cover the length of your inner string's curve.

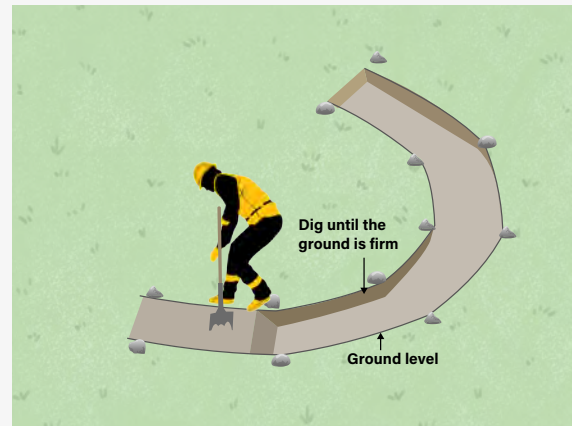


## Ground Preparation Before Installation



### ▲ Step 1: Preserve Marked Areas

Try to preserve the marked areas as much as possible to ensure that the curve shape remains the same until the purchased welded gabion meshes arrive.



### ▲ Step 2: Dig

A horizontal trench or ditch is dug according to marked areas to serve as the foundation for the wall. Its depth and width depend on soil conditions and wall height.



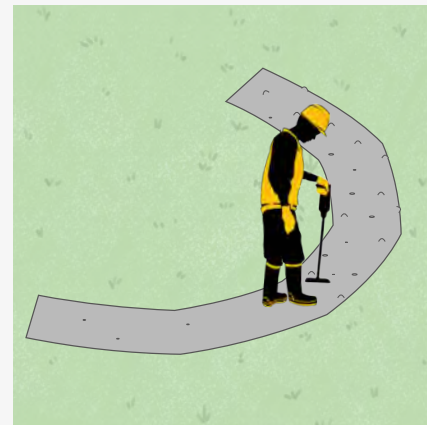
### ▲ Step 3: Lay Geotextile

Place a layer of geotextile over the excavated area to prevent weeds from continuing to grow after the wall's installation.



### ▲ Step 4: Add Gravels

Place a layer of gravels on top of the paved geotextile, and take care to keep the surface level.



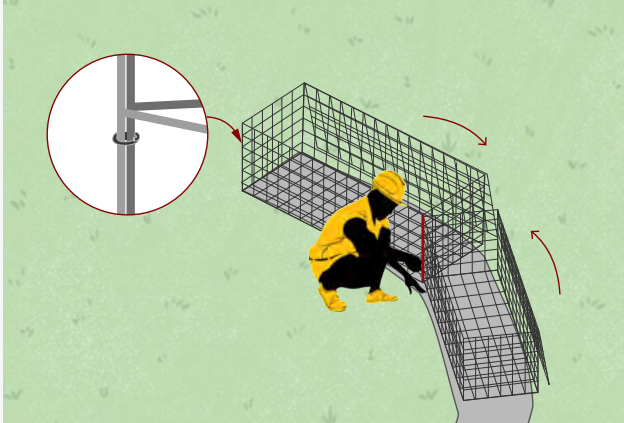
### ▲ Step 5: Compact Gravels

Walk and stamp on the gravels and compact the gravels with a tamper to provide a flatter, more stable surface.



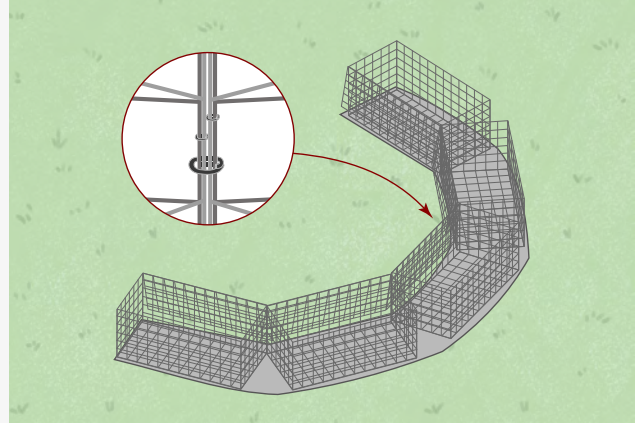
# Installation of Curved Gabion Meshes

## Convex Angle Curved Gabion Mesh



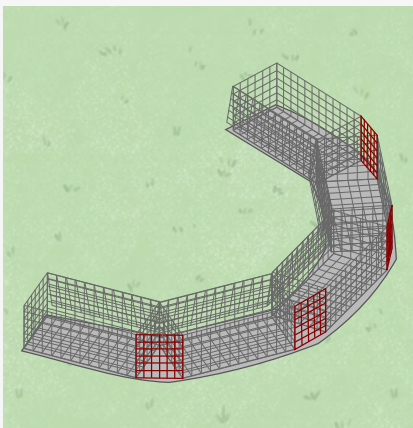
### ▲ Step 1: Assemble

Assemble the welded gabion baskets with C-clips and leave the top meshes uncovered for subsequent filling with stones.



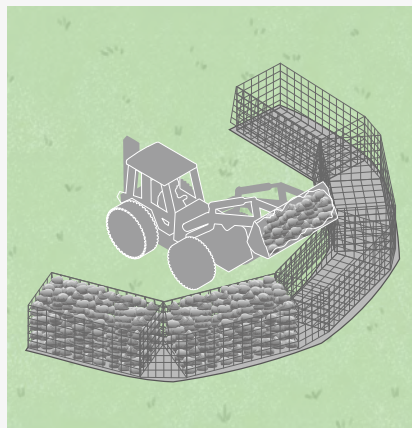
### ▲ Step 2: Put Into Position

Place the welded gabion baskets in the same position as when you took the measurements. And connect them with C-clips.



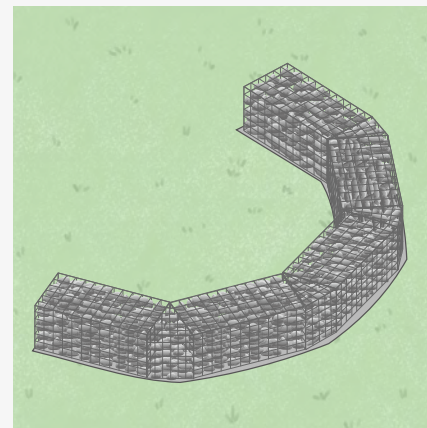
### ▲ Step 3: Add Meshes

Connect the outer corner of adjacent welded gabion baskets with customized rectangular curved gabion meshes.



### ▲ Step 4: Fill Stones

Fill the welded gabion baskets with stones.



### ▲ Step 5: Install the Top Meshes

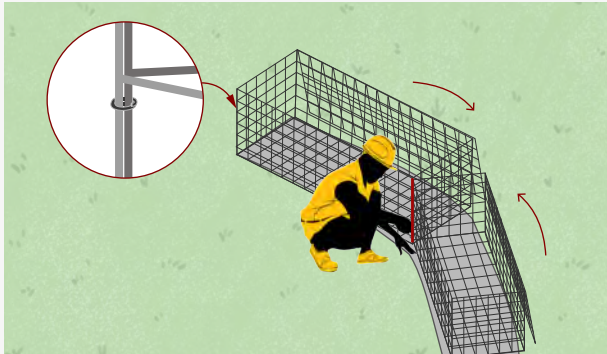
Secure the top rectangular and triangular gabion meshes and the installation is complete.

**Note:** We recommend purchasing a spare 1 m × 1 m gabion mesh that you can cut to the appropriate size in case the curve shape changes slightly.



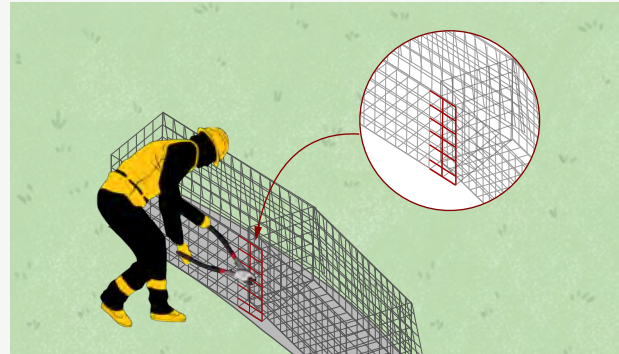
# Installation of Curved Gabion Meshes

## Concave Angle Curved Gabion Mesh



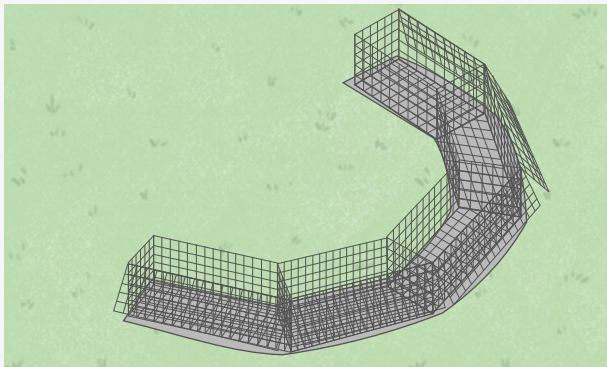
### ▲ Step 1: Assemble

Assemble the welded gabion baskets with C-clips and leave the top mesh uncovered for subsequent filling with stones.



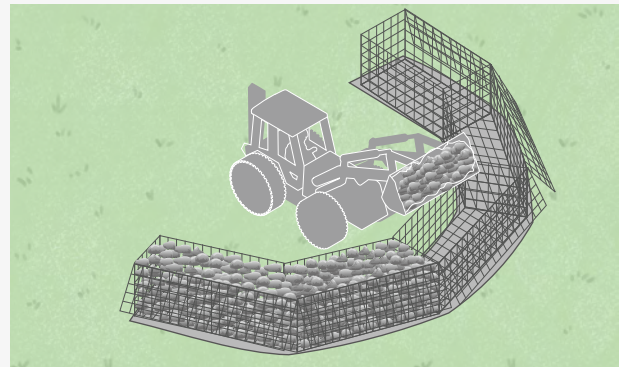
### ▲ Step 2: Cut Out Overlapping Adjacent Meshes

Cut the overlapping parts of adjacent meshes with a bolt cutter to create an interface. Secure the interface between 2 gabion baskets with C-clips.



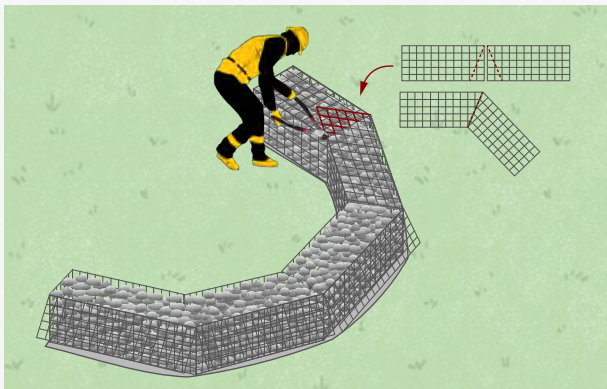
### ▲ Step 3: Finish the Assembly

Repeat Step 2 and adjust, cut, and secure the gabion baskets in turn, making sure that each gabion basket is adjusted to the corresponding curve until all assemblies are complete.



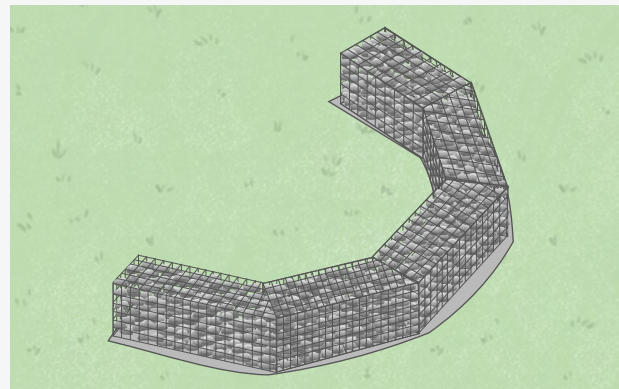
### ▲ Step 4: Fill Stones

Fill the welded gabion baskets with stones.



### ▲ Step 5: Cut Top Meshes

Cut the overlapping parts of the top meshes according to the inclination of the position of each gabion basket.



### ▲ Step 6: Install Top Meshes

Secure the top meshes with C-clips and the installation is complete.

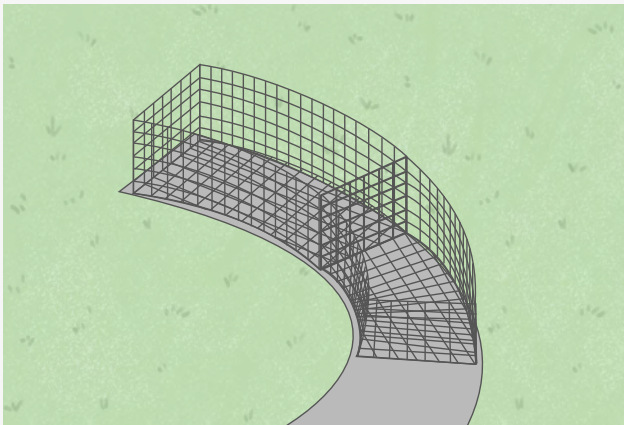


# Installation of Curved Gabion Meshes

## Customized Curved Gabion Mesh

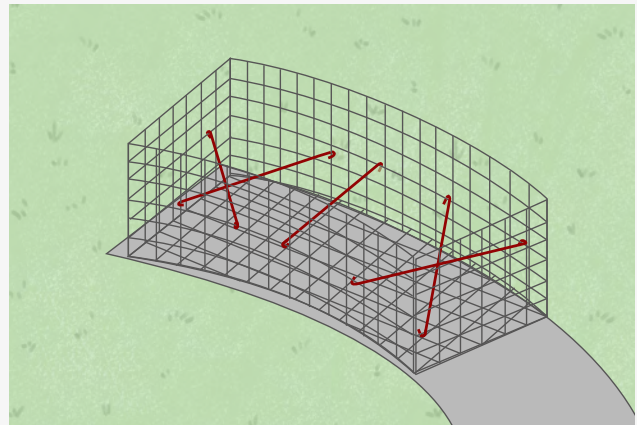
For curved gabion mesh, you can purchase enough flat welded meshes to be cut and shaped on-site. The whole process is time-consuming but can be changed flexibly according to site conditions.

In addition, you can provide specifications directly, and we can customize curved gabion mesh for you. Simple assembly is all that is required at your site before use. Below is the installation process of customized curved gabion mesh.



### ▲ Step 1: Assemble Gabion Baskets

Assemble customized curved inner and outer meshes, and partition meshes. Then put them in original position.



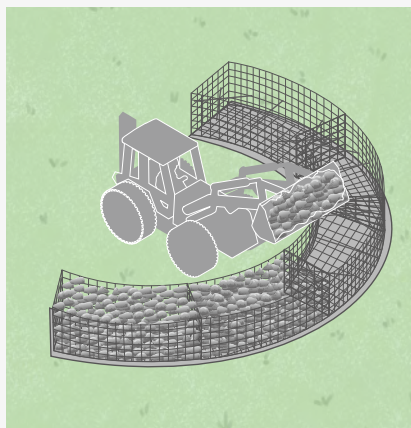
### ▲ Step 2: Reinforce Gabion Baskets

To prevent the deformation of welded gabion baskets due to the later filling of rocks, braces are necessary to be installed crosswise at half the height of each basket.



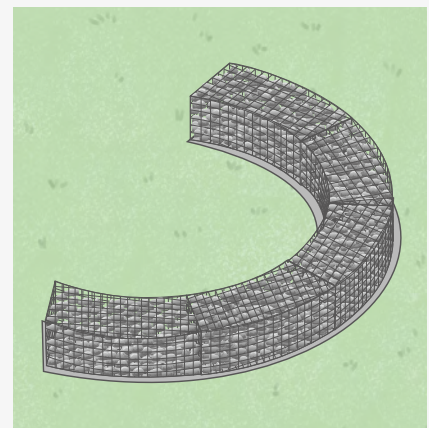
### ▲ Step 3: Finish the Assembly

All welded gabion baskets are assembled together and the assembly is complete.



### ▲ Step 4: Fill Stones

Fill the welded gabion baskets with stones.



### ▲ Step 5: Install the Top Meshes

Install the customized curved top gabion meshes one by one, and the installation is complete.





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