

## INSTALLATION INSTRUCTIONS

### Part I Preparation

To install the Hengyi Metal Mesh wire cable mesh, the following preparation works need to do:

First, prepare the right tools. For example, cable ties, wire rope cutters, wire cables, sleeves, etc.



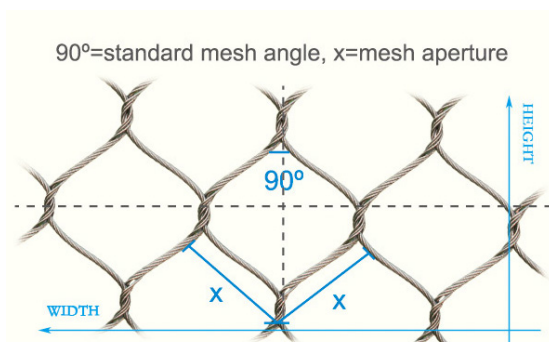
Then, find the mesh panel corresponding to the frame size and place it in the correct direction.  
As the direction and size, please reference the pdf file - How to Measure the Mesh Panel Size

### Part II Connect to the frame

In general, the mesh panels will be woven according to the size given by the customer.

So first measure the size of each frame and find the mesh of the corresponding size. Rolled up the mesh completely, place it in front of the frame with the correct direction, and prepare for installation.

Regarding the correct direction: As shown in the picture, each mesh will carry a label with the specified size, which is generally wide × high (unless otherwise required, it will be written as required).



The most common and convenient way is to use a binding wire (wire cables) to connect. Take the vertical direction as an example. Let's take a look at the installation process.



Make sure the mesh is in the right direction as the frame.

Then, attach the top two corners of the net onto the frame with the cable ties.

Be careful, at first, not over tighten the cable ties. The net must have some space in the frame. When the mesh holes are all in the right position, you can fix them.

If the mesh panel is very large, you can start from one side.

Attach the upper corner of the left or right side to the frame with a cable tie, and then slowly pull the mesh up and pull it to the other side. Secure with a cable tie.

Or find the middle point, count the half of the mesh, fix the position in the middle, then stretch it to the other side, then fix it.

Next, start fixing in the vertical side.

Attach every second or third diamonds.

Then in the horizontal direction, fix the upper and lower sides.

If the net is in the correct position, tighten the cable ties on the horizontal side as well, so that there is good tension on the mesh.







Usually, there is no need to cut the mesh. Because we made it fit the frame.

Measure the length of the perimeter rope(wire cables). Usually, it is approximately two to three times besides the entire frame.

The perimeter rope shouldn't be longer than 5 meters. Otherwise, you will have some difficulties to install it.

Finally, wrap around the mesh to the frame using a cable. Note that each corner is required to be bound more once to ensure that the mesh has good tensile force. Then cut off the cable tie.

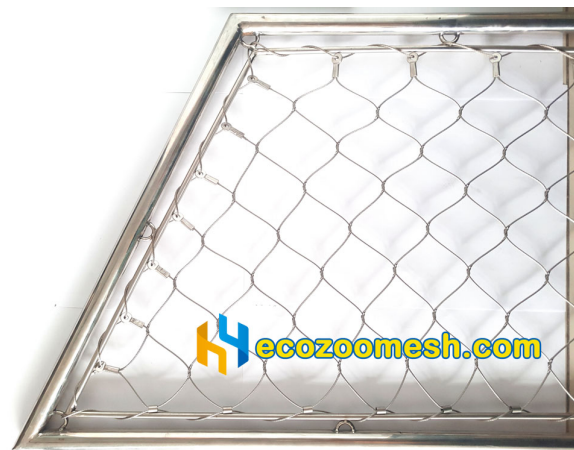


### Special shape mesh installation

In fact, the mesh installation of a special shape is basically the same as the installation of a rectangular mesh.

However, it is important to note that you must not start cutting the mesh before installation, which will result in insufficient mesh size and cannot be installed.

After fixing all the sides using the above steps, cut off the extra material.



### Part III Connect the mesh panels

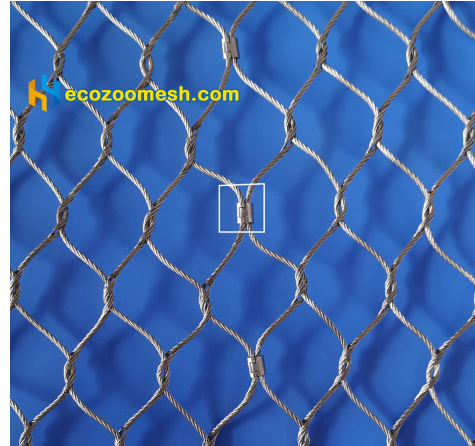
Due to the limitation of the weaving process, the size of the mesh is generally not more than 20 meters wide by 10 meters high and is slightly different depending on the specific specifications. So sometimes you need to connect 2 or more pieces to achieve the desired size.

#### Increase in width

If you need to increase in the width, you need to connect the vertical edges of the two nets. Generally, there are two ways:



First, a thick steel wire rope is used as the main cable support. And the two nets are cross-wound on the main cable with a wire cable of the same diameter as the net.



Second, use the open sleeves connection.

#### Increase in height

That is, you need to connect the horizontal edges of the two nets. Generally, two methods are commonly used:

First, the same method as increasing in the width.





Second, use a non-opening ferrule to connect.

The above are some basic methods for installing stainless steel cable mesh. It can be selected according to the specific situation. Hope this would help those who use these materials for the first time.

Of course, there are more creative connections waiting for us to discover. If you find more solutions, don't forget to share them with us.







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