

How to Measure the Size of Stainless Steel Cable Mesh Panel

The size of the stainless steel cable mesh panel is the key to the entire order. Whether the size is accurate or not is related to the cost calculation and is related to the installation.

Before each order is produced, we will carefully communicate the size and direction of the mesh with the customer; if the mesh needs to be split, we also need to communicate with them how to split.

After the order is confirmed, the mesh will be produced according to the size given by the customer.

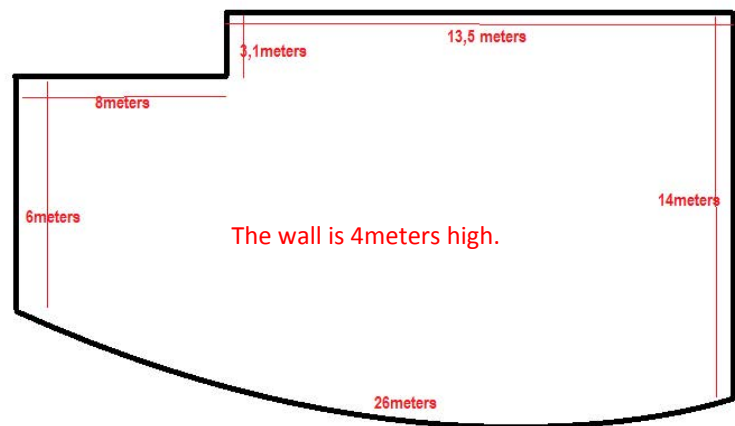


So, how to determine the sizes of stainless steel cable mesh panel? And how to measure them?

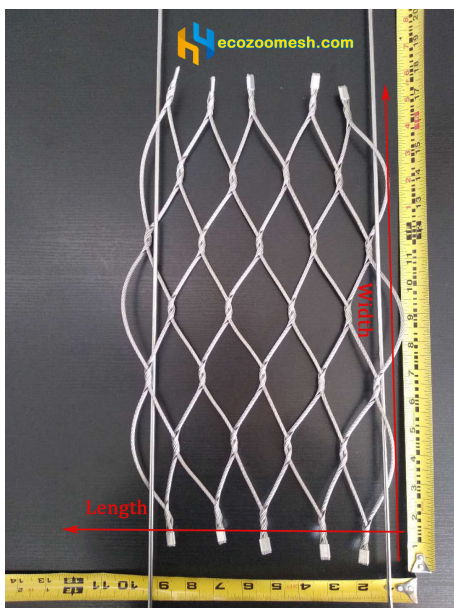
☞ Confirm The Frame Size

Yet, there will be some customers asking: I don't know how to determine the panel size. Since your net is in a contracted state, how should I measure?

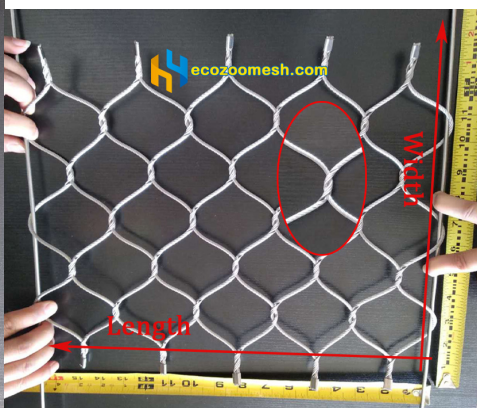
In fact, this is a very simple question. You should not consider whether the mesh states, just confirm the size of the frame.



Carefully measure the frame and provide us with accurate data. The mesh produced by Hengyi Metal Mesh is exactly the size of the frame.



Comparison of area before and after stretching of the same mesh



Of course, what is said here is that after installation.

Because the stainless steel cable mesh has elasticity and contraction force, the mesh before installation is in a contracted state.

Only the size stretched to the standard state is the final correct size.

After you measure the frame size, we will calculate the area of the mesh based on the data and how to split it. Our production department will work out the number of wires and mesh holes in each net and record them. After the production is completed, it will be checked again.

Hengyi Metal Mesh is a professional manufacturer of stainless steel cable mesh nets. Every piece of the net will undergo strict inspection and auditing to ensure that the product is correct and will be shipped from the factory.

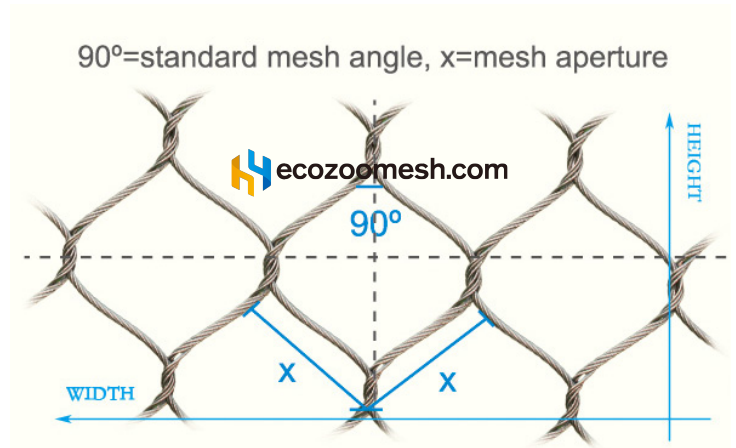
HENGYI METAL ECOLOGICAL MESH

☞ Confirm the Mesh Direction

Many customers don't know that the stainless steel cable mesh has a direction.

Yes, it does have different directions. Mainly the direction of stretching and the direction of the knot are different.

The standard mesh direction is like this, as shown in the picture. The net knots are vertical and each net knot is the same.

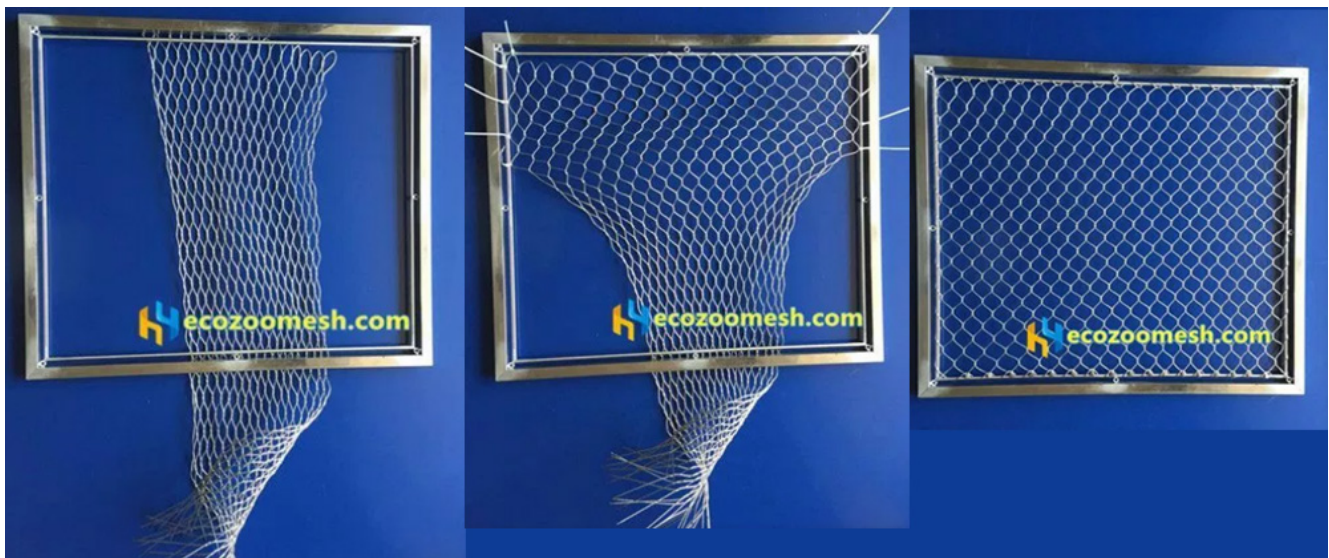


The direction of the horizontal direction is generally called width, and some customers call it long. But regardless of the title, it all represents the same direction. In this direction, the size of the mesh can be made very large, and some specifications can exceed 20 meters.

The vertical direction is called HEIGHT (Corresponds to WIDTH) or WIDTH (Corresponds to LENGTH). Due to the limitation of the weaving process, the size of the mesh will be relatively small in this direction, generally not exceeding 10 meters.

☞ How to Get the Correct Mesh Panel Size

① Measuring the mesh panel after installation



The stainless steel cable mesh is flexible, soft and elastic.

The natural state of the mesh after production is contracted, and the size at this time is much different from the standard size after stretching.

Therefore, it must be noted that in the contracted state is impossible to measure the size directly.

It had to stretch each mesh to 90 degrees, and the size measured in such a standard state is the final correct size.

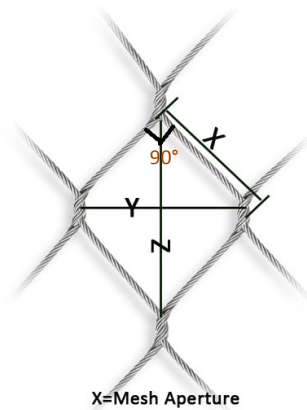
② Counting the number of mesh holes

Alternatively, the number of mesh holes can be used to work out the size of the stainless steel cable mesh panel.

Count the number of horizontal mesh holes and the number of vertical mesh holes separately.

Look at the picture in the left.
 The mesh aperture is 1".
 The number of holes on width is 5.
 The number of holes on height is 4.

Calculate the total width and height according to the size of each mesh aperture multiply by the holes numbers to get the final area.



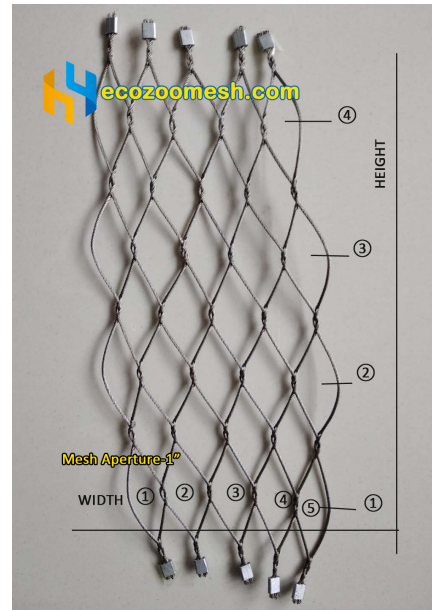
If X=1", so $Y = Z = \sqrt{2} \approx 1.414$ ".

Then, the mesh in the above picture will be:

WIDTH- $Y \times 5 = 1.414" \times 5 = 7.07$ "
 HEIGHT- $Z \times 4 = 1.414" \times 4 = 5.656$ "

The area= WIDTH \times HEIGHT= $7.07" \times 5.656" = 39.99$ SQ.IN

Therefore, after installation, the width of this mesh panel will be larger than the height.



Tips for Installation

Before installing the stainless steel cable mesh, it must be placed in the required directions.
 After fixing one end, stretch the mesh as much as possible. When stretching, be aware that sometimes the mesh is large and needs to be stretched one foot to fix it immediately, then another one foot until each mesh is stretched to the standard state and the other end is fixed.

Installation Instructions

Website page: <https://www.ecozoomesh.com/service/installation-instructions>

YouTube Video:
<https://www.youtube.com/watch?v=kkdoFQAMKas&feature=youtu.be>



For more installation instructions or details of the stainless steel cable mesh, please contact us directly.

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