



WEI YUE  
WIRE MESH

[www.weiyuemesh.com](http://www.weiyuemesh.com)

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# Stainless Steel Rope Mesh



## Brief Introduction

**Stainless steel**, a versatile material with elegance and robustness, has inspired architectural designers for projects of all kinds. Constructed of quality stainless steel wire ropes, flexible wire rope mesh has unique characteristics that allows design flexibility in architecture. It incorporates the tensile strength of the indestructible stainless steel and aesthetically diamond openings which is graceful and beautiful.

The mesh is light, robust and transparent, and it can stand up to heavy loads, and now it has been widely used as balustrade infill system, zoo enclosures, tensile facade, safety netting and green wall systems in interior and exterior applications.

## Overview of parameters

**Material:** stainless steel 304, 304L, 316, 316L.

**Ferrule material:** tinned copper, nickel plated copper, stainless steel.

**Surface treatment:** primary color or black oxide finish.

**Cable diameter:** 1.0-5.0 mm.

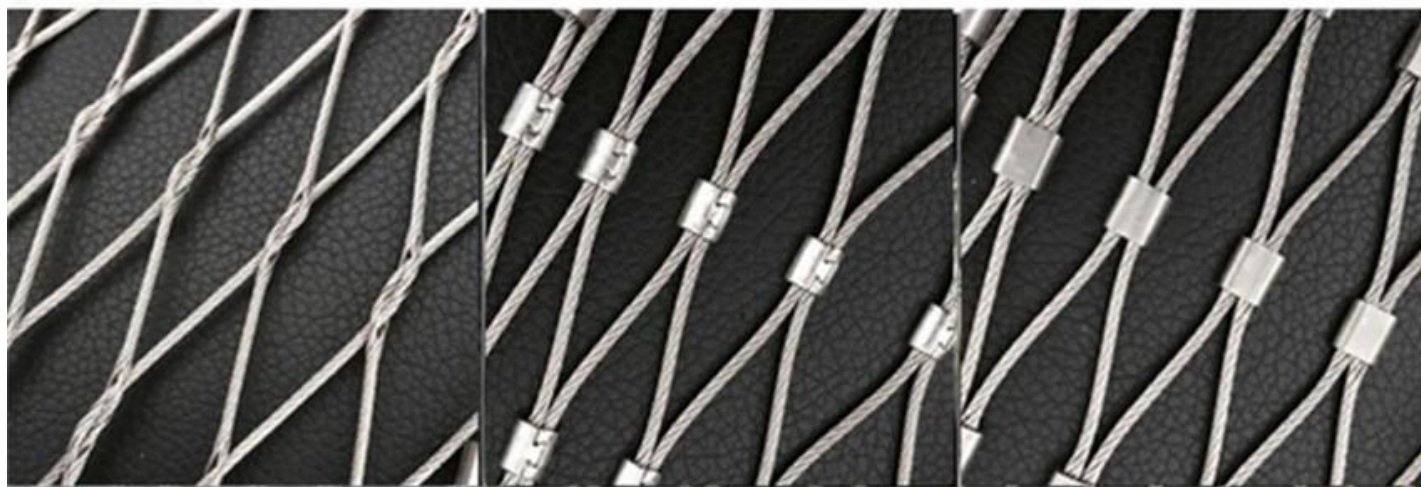
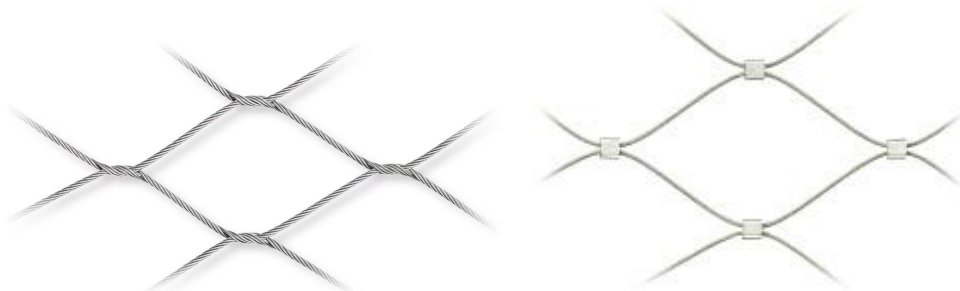
**Mesh opening sizes:** 25-200 mm.

**Mesh opening angles:** 20° , 30° , 60° , 70° , 75° . Mesh aperture at 60° as standard opening.

**Ordering:** specific to order, according to the project. The following specifications are that customers ordered frequently

**Construction of wire cable:** 7 × 7, 7 × 19.

**Connection:** ferrule or knotted.



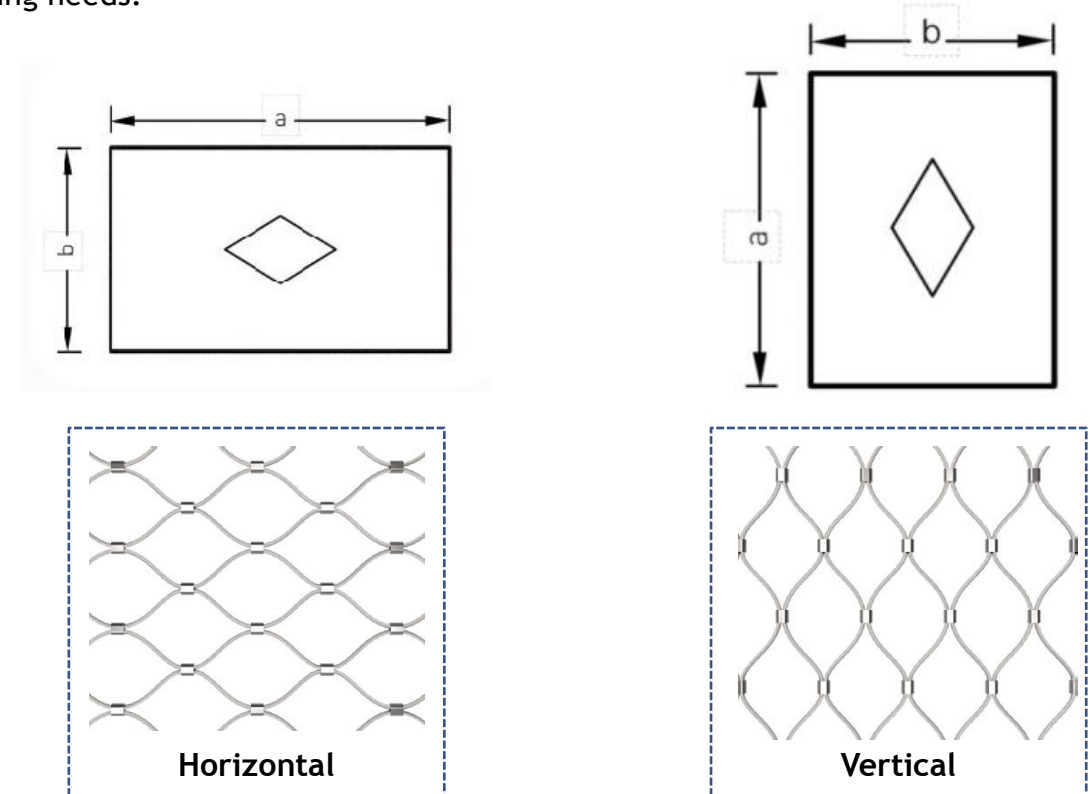
Woven type

Open type buckle

Closed type buckle

## Orientation Options

Stainless steel wire rope mesh can be installed horizontally or vertically depending on the actual engineering needs.



## Applications

You can choose your own rope net with the length, the height, the wire cable structure, the wire diameter, the mesh opening, etc.

Or choose stainless steel wire rope net according to different purpose as follows:

1. Green Facade - Cable System for Most Climbing Plants
2. Aviary Netting - Lightweight, Durable and Long Lasting
3. Cable Zoo Mesh - Solution to Enclosing Most Animals
4. Helipad Safety Net - Modular Heliport Webbing
5. Safety Net - Structural Measure to Prevent Suicide
6. Cable Mesh - Excellent Solution to Safety
7. Steel Mesh Balustrade - bridge, stair, balcony, path

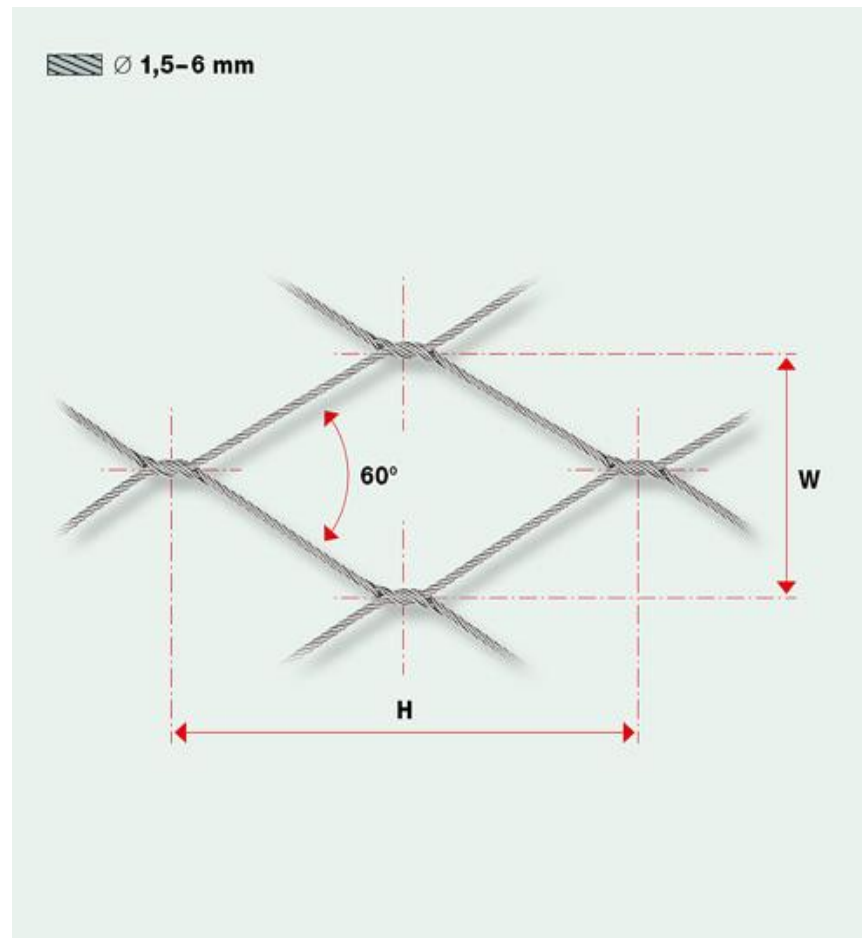
## Knotted type cable mesh

Knotted type cable mesh is a type of inter-woven mesh fabricated from high tensile stainless steel cables in construction of  $7 \times 7$  or  $7 \times 19$ . Compared with similar products, our range of knotted cable meshes have incomparable advantages in terms of practicability, security, durability, aesthetic property and life span as shown below:

- Excellent security
- Superb durability
- Aesthetic property
- Wide lifespan over 30 years
- High versatility

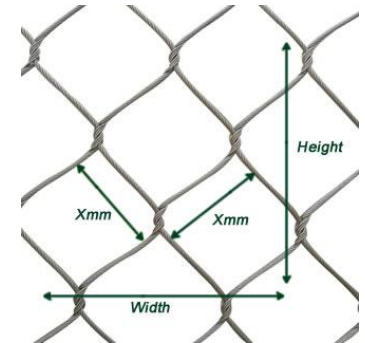
Our knotted cable mesh are versatile and extensively used in following aspects:

- ◇ Building screen.
- ◇ Security fencing.
- ◇ Division screen.
- ◇ Zoo enclosure.
- ◇ Animal cage.
- ◇ Infill balustrade panels.
- ◇ Aviary netting.
- ◇ Fall protection.
- ◇ Helipad.
- ◇ Green facade.
- ◇ Parking & garage facades.
- ◇ Decoration.
- ◇ Shop fitting, etc.



### Details

- **Pattern:** diamond.
- **Material:** stainless steel 304, 304L, 316 or 316L.
- **Cable construction:**  $7 \times 7$ ,  $7 \times 19$
- **Standard mesh angle:**  $90^\circ$ .
- **Mesh size:** W: 20 mm to 120 mm; H: 20 mm to 120 mm.



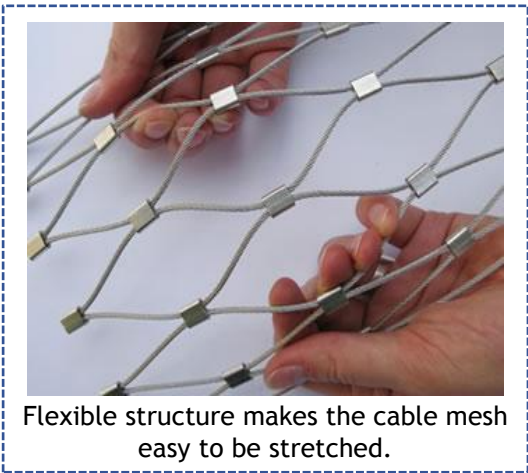
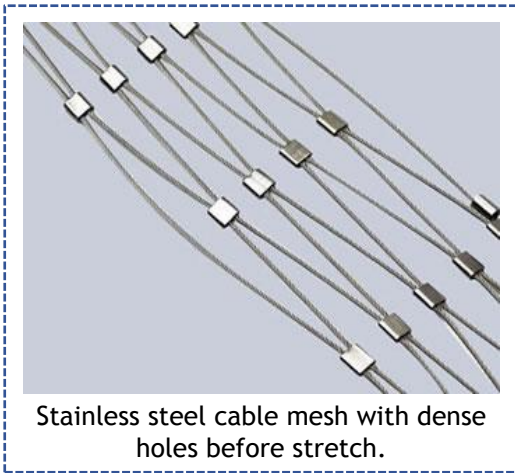
### Specification

Code	Rope Construction	Rope Diameter		Opening Size		Breaking Force KN
		Inch	mm	Inch	mm	
WY-01	$7 \times 19$	1/8	3.2	4.7" $\times$ 4.7"	120 $\times$ 120	7.38
WY-02	$7 \times 19$	1/8	3.2	4" $\times$ 4"	102 $\times$ 102	7.38
WY-03	$7 \times 19$	1/8	3.2	3.6" $\times$ 3.6"	90 $\times$ 90	7.38
WY-04	$7 \times 19$	1/8	3.2	3" $\times$ 3"	76 $\times$ 76	7.38
WY-05	$7 \times 19$	1/8	3.2	2" $\times$ 2"	51 $\times$ 51	7.38
WY-06	$7 \times 7$	3/32	2.4	4" $\times$ 4"	102 $\times$ 102	4.18
WY-07	$7 \times 7$	3/32	2.4	3.6" $\times$ 3.6"	90 $\times$ 90	4.18
WY-08	$7 \times 7$	3/32	2.4	3" $\times$ 3"	76 $\times$ 76	4.18
WY-09	$7 \times 7$	3/32	2.4	2.4" $\times$ 2.4"	60 $\times$ 60	4.18
WY-10	$7 \times 7$	3/32	2.4	2" $\times$ 2"	51 $\times$ 51	4.18
WY-11	$7 \times 7$	5/64	2	3" $\times$ 3"	76 $\times$ 76	3.17
WY-12	$7 \times 7$	5/64	2	2.4" $\times$ 2.4"	60 $\times$ 60	3.17
WY-13	$7 \times 7$	5/64	2	2" $\times$ 2"	51 $\times$ 51	3.17
WY-14	$7 \times 7$	5/64	2	1.5" $\times$ 1.5"	38 $\times$ 38	3.17
WY-15	$7 \times 7$	1/16	1.6	3" $\times$ 3"	76 $\times$ 76	2.17
WY-16	$7 \times 7$	1/16	1.6	2" $\times$ 2"	51 $\times$ 51	2.17
WY-17	$7 \times 7$	1/16	1.6	1.5" $\times$ 1.5"	38 $\times$ 38	2.17
WY-18	$7 \times 7$	1/16	1.6	1.2" $\times$ 1.2"	30 $\times$ 30	2.17
WY-19	$7 \times 7$	1/16	1.6	1" $\times$ 1"	25 $\times$ 25	2.17
WY-20	$7 \times 7$	3/64	1.2	2" $\times$ 2"	51 $\times$ 51	1.22
WY-21	$7 \times 7$	3/64	1.2	1.5" $\times$ 1.5"	38 $\times$ 38	1.22
WY-22	$7 \times 7$	3/64	1.2	1.2" $\times$ 1.2"	30 $\times$ 30	1.22
WY-23	$7 \times 7$	3/64	1.2	1" $\times$ 1"	25 $\times$ 25	1.22
WY-24	$7 \times 7$	3/64	1.2	0.8" $\times$ 0.8"	20 $\times$ 20	1.22



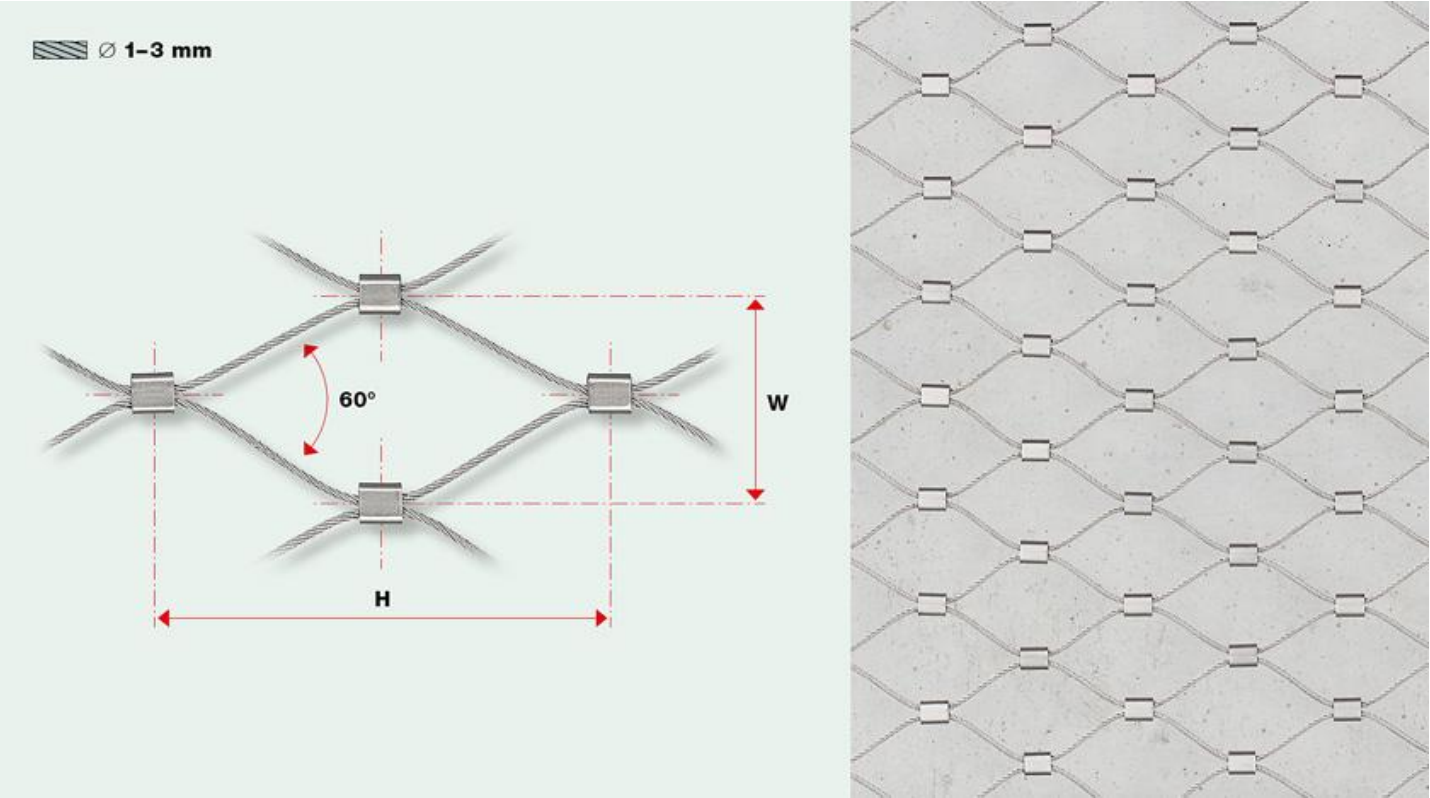
## Ferrule type cable mesh

Ferrule type cable mesh has similar physical properties to knotted cable mesh, but different combination style - seamless ferrules that combine cables together to form a resilient metal fabric with rhombus holes. This flexible mesh gracefully adapts to your most challenging 3-D tensile projects and various applications owing to following advantages:



### Advantages:

- High transparency
- High strength
- Flexible & impact resistance
- Non-flammable
- Anti-climb
- Easy installation & maintenance-free



### Details:

Ferrule material: tinned copper, nickel plated copper, stainless steel or aluminum.  
 Cable material: stainless steel AISI 304, 304L, 316, 316L.  
 Cable construction: 7 × 7 (1.5 mm, 2 mm or 2.5 mm), 7 × 19 (3 mm, 4 mm)  
 Diamond size: 20 mm to 200 mm.  
 Cable diameter: 1 mm to 4 mm.  
 Standard: Any custom design and sizes are available.

### Specification



Code	Rope Construction	Rope Diameter		Aperture	Breaking Force
		Inch	mm	mm	kN
WY-01	7 × 19	1/8	3.2	120 × 208	7.38
WY-02	7 × 19	1/8	3.2	100 × 173	7.38
WY-03	7 × 19	1/8	3.2	90 × 156	7.38
WY-04	7 × 7	3/32	2.4	100 × 173	4.18
WY-05	7 × 7	3/32	2.4	90 × 156	4.18
WY-06	7 × 7	3/32	2.4	80 × 139	4.18
WY-07	7 × 7	3/32	2.4	70 × 121	4.18
WY-08	7 × 7	5/64	2	100 × 173	3.17
WY-09	7 × 7	5/64	2	90 × 156	3.17
WY-10	7 × 7	5/64	2	80 × 139	3.17
WY-11	7 × 7	5/64	2	70 × 121	3.17
WY-12	7 × 7	1/16	1.6	80 × 139	2.17
WY-13	7 × 7	1/16	1.6	70 × 121	2.17
WY-14	7 × 7	1/16	1.6	60 × 104	2.17
WY-15	7 × 7	1/16	1.6	51 × 87	2.17
WY-16	7 × 7	3/64	1.2	80 × 139	1.22
WY-17	7 × 7	3/64	1.2	60 × 104	1.22
WY-18	7 × 7	3/64	1.2	50 × 87	1.22
WY-19	7 × 7	3/64	1.2	40 × 69	1.22



## Recommendations

### 1. Mesh Balustrade Panels



Bridge Cable Mesh

Protect vehicles and pedestrians from falling into the river.



Path balustrade

Anti-climb balustrades minimize potential falling dangers.



Stair Railing System

High safety stair balustrade without affecting air and light to enter.



Balcony balustrade

Elegant balcony balustrade without blocking your sight.

Top specifications of stainless steel balustrade			
Code	Rope diameter (mm)	Mesh size (mm)	Panel height (mm)
BRM-1	1.5	60	720, 840, 960
BRE-2	1.5	80	720, 840, 960
BRE-3	2	60	720, 840, 960
BRE-4	2	80	720, 840, 960
All mesh balustrades can be manufactured and supplied to customer specification.			

## Recommendations

### 2. Protective Safety Mesh



Parking garage fencing



Garden fencing



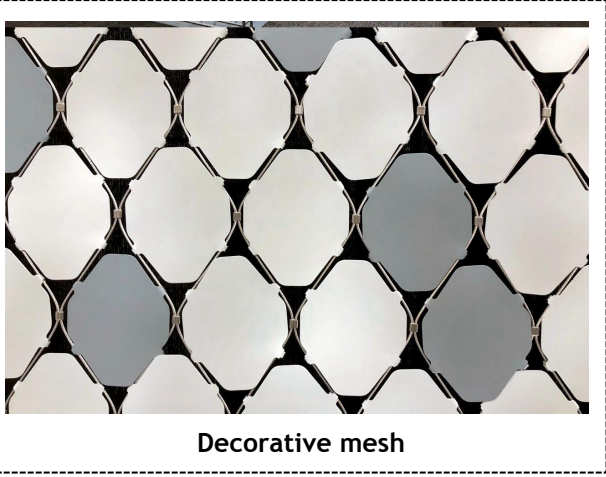
Stainless steel ceiling



Stairwell guidance



Fall Protection Netting



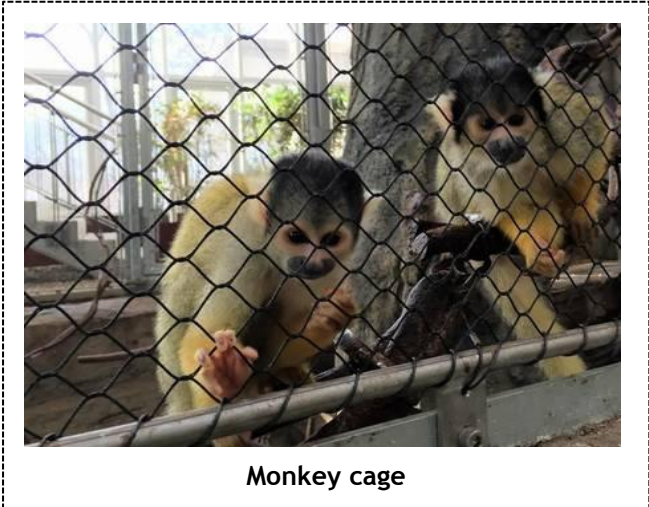
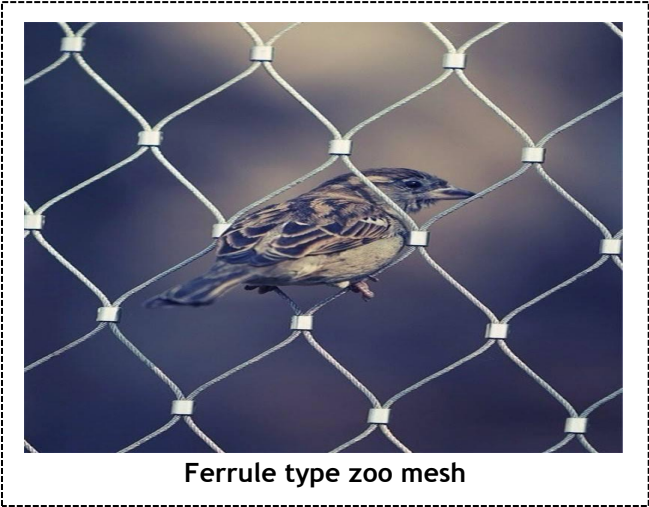
Decorative mesh



Recommendations

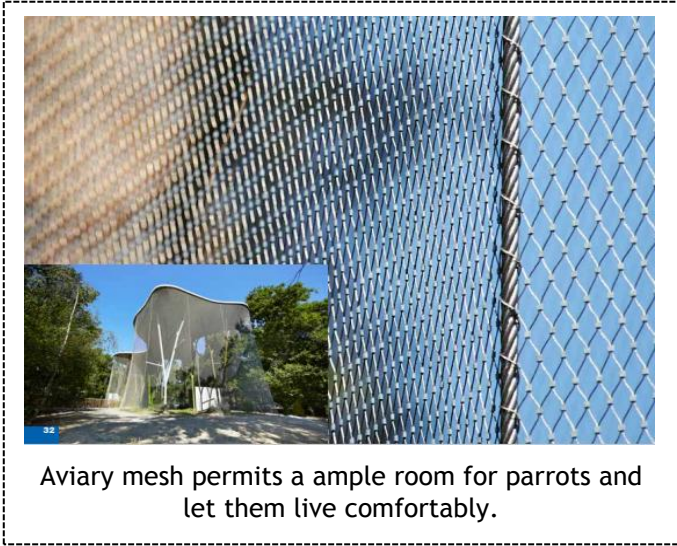
3. Zoo Mesh

Cable material: high quality 304, 316 and 316L.  
 Diameter: 0.7 mm to 6 mm; thicker wire diameter is available to enclose large fierce animals.  
 Mesh size: 1" × 1", 5" × 5" or other mesh size based on the sizes and habits of enclosed animals.



Recommendations

4. Aviary Netting



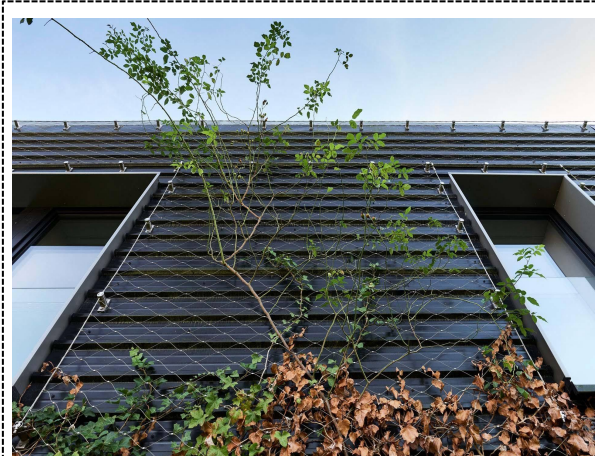
The specification of stainless steel aviary rope mesh							
Bird species	Code	Rope construction	Rope diameter		Aperture		Normal break
			Inch	mm	Inch	mm	
Small birds	SARM-01	7 × 7	1/16	1.6	1 × 1	25 × 25	480
	SARM-02	7 × 7	3/64	1.2	1 × 1	25 × 25	270
Eagle	SARM-04	7 × 7	3/32	2.4	3 × 3	76 × 76	920
	SARM-05	7 × 19	1/8	3.2	3 × 3	76 × 76	1600
Ostrich	SARM-06	7 × 7	3/32	2.4	2 × 2	51 × 51	920
	SARM-07	7 × 7	5/64	2	2 × 2	51 × 51	920
Flamingo	SARM-08	7 × 7	5/64	2	3 × 3	76 × 76	676
	SARM-09	7 × 7	5/64	2	2.4 × 2.4	60 × 60	676
	SARM-10	7 × 7	5/64	2	2 × 2	51 × 51	676
Parrot	SARM-11	7 × 7	5/64	2	2 × 2	51 × 51	676
	SARM-12	7 × 7	1/16	2.4	2 × 2	51 × 51	920
	SARM-13	7 × 7	1/16	2.4	1.5 × 1.5	38 × 38	480
	SARM-14	7 × 7	1/16	2.4	1 × 1	25 × 25	480
	SARM-15	7 × 7	3/64	1.2	1 × 1	25 × 25	270
Crane	SARM-16	7 × 7	3/32	2.4	3 × 3	76 × 76	920
	SARM-17	7 × 7	3/32	2.4	2 × 2	51 × 51	920
	SARM-18	7 × 7	5/64	2	3 × 3	76 × 76	676
	SARM-19	7 × 7	5/64	2	2.4 × 2.4	60 × 60	676
	SARM-20	7 × 7	5/64	2	2 × 2	51 × 51	676



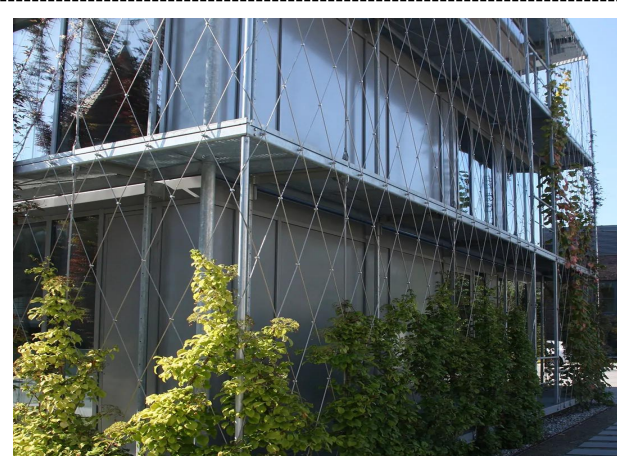
## Recommendations

### 5. Green Facades

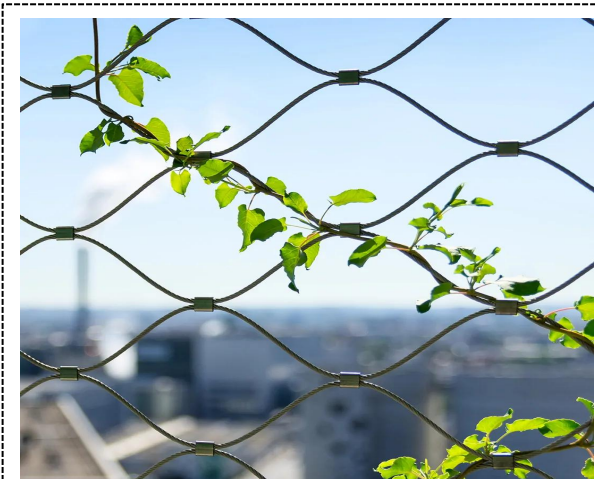
Green facades, as a new expression of dealing responsibly with nature, are deeply demanded for restoration of ecological balance. It encourages healthy growth for all climbing plants like vines in any surface, whether it be parking garages, mall facades or urban greenways.



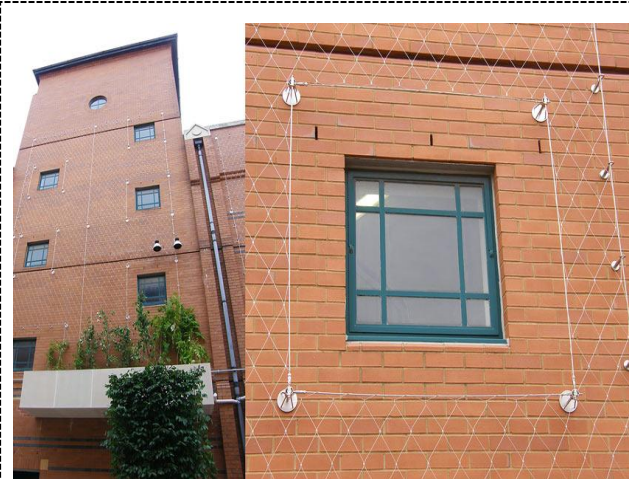
Beautiful building green facades drive passers-by engaged with the building.



Ideal for acting as a vertical wind-proof wall and decorating your building at the same time



Green Facade for Most Climbing Plants



Cable System

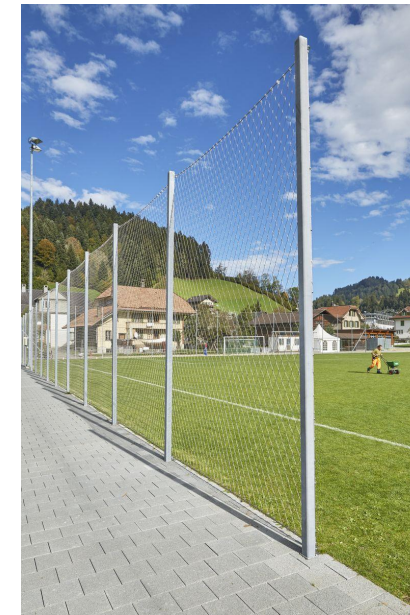
Specification of stainless steel green facades

Code	X	Y	S	Suitable plant types	Border style
SSGF-1	100 mm	173 mm	80 mm	Slow growing vines and tendril climbers	Cable border or tubular frame
SSGF-2	160 mm	208 mm	80 mm	Slow growing vines and tendril climbers	Cable border or tubular frame
SSGF-3	240 mm	415 mm	120 mm	Slow growing vines and tendril climbers	Cable border or tubular frame
SSGF-4	300 mm	519 mm	160 mm	Slow growing vines and tendril climbers	Cable border or tubular frame

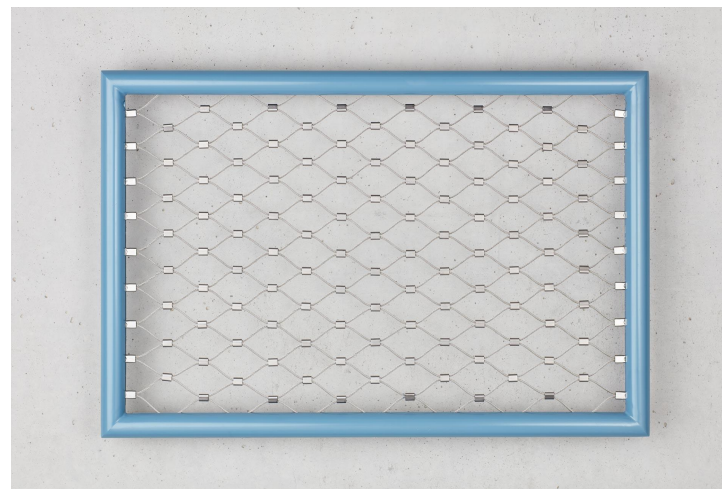
## Other Applications



Playground Rope Mesh Fence



Plant Climbing Cable System



With Frames Staircase Handrail Rope Net

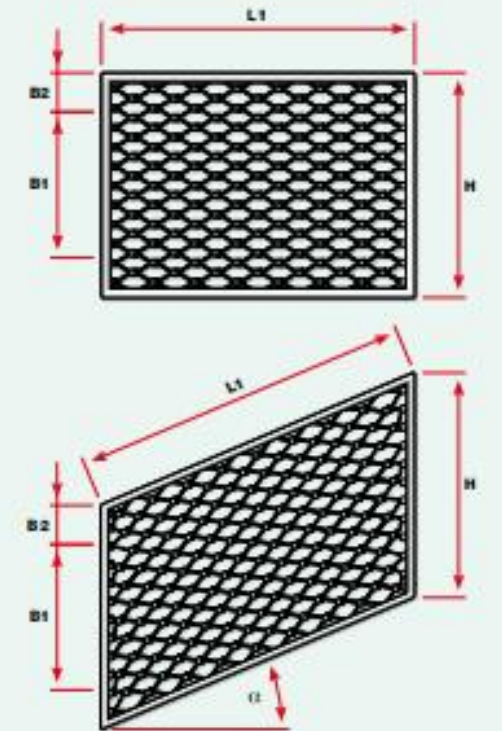
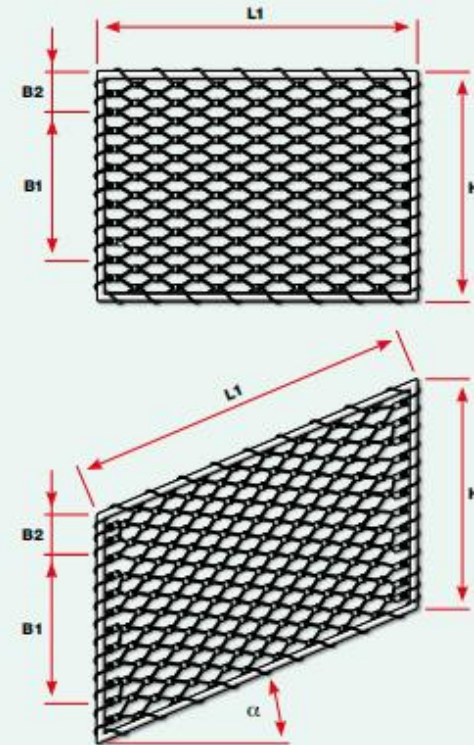


Webnet ID sequins design can be customized with shape and colors

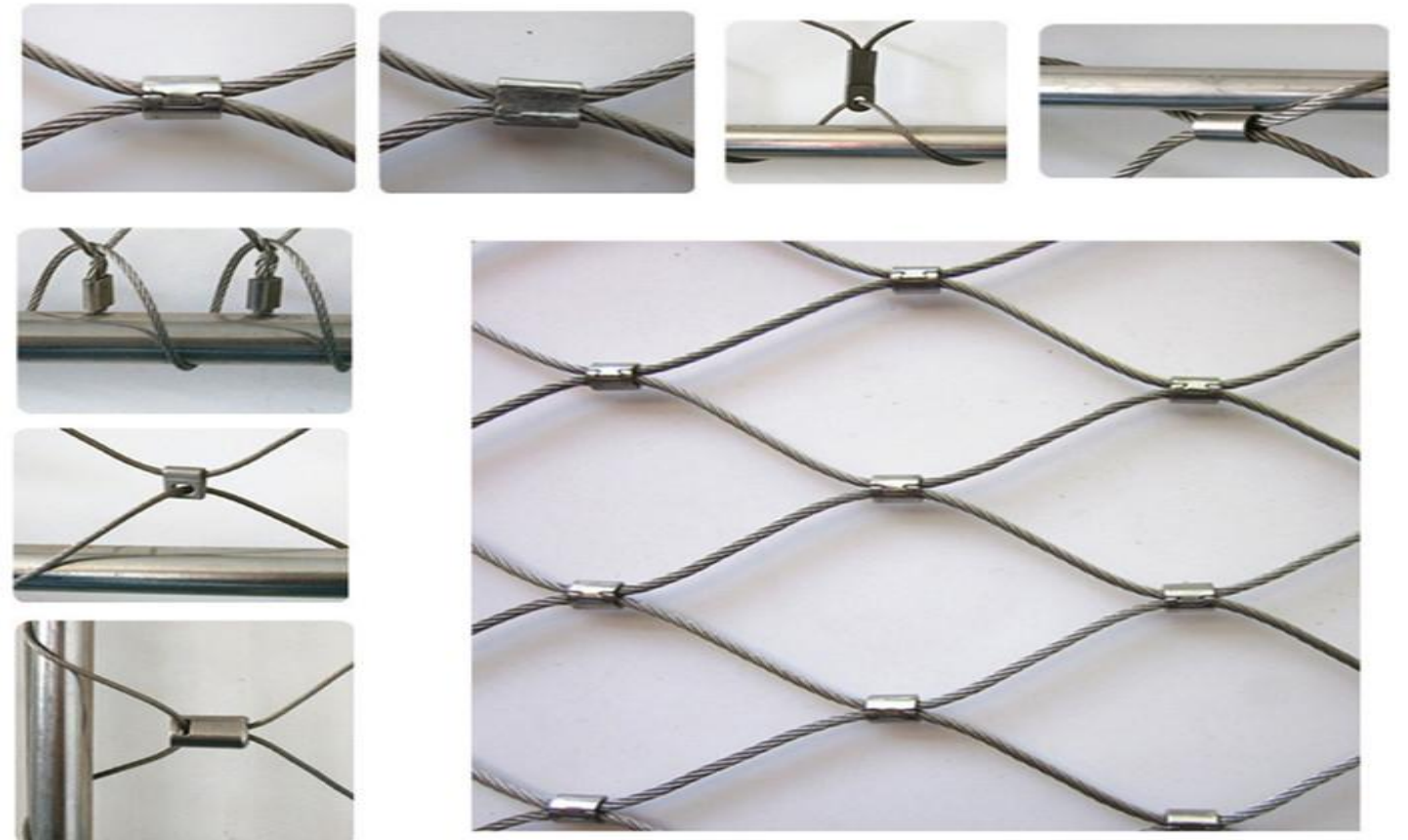
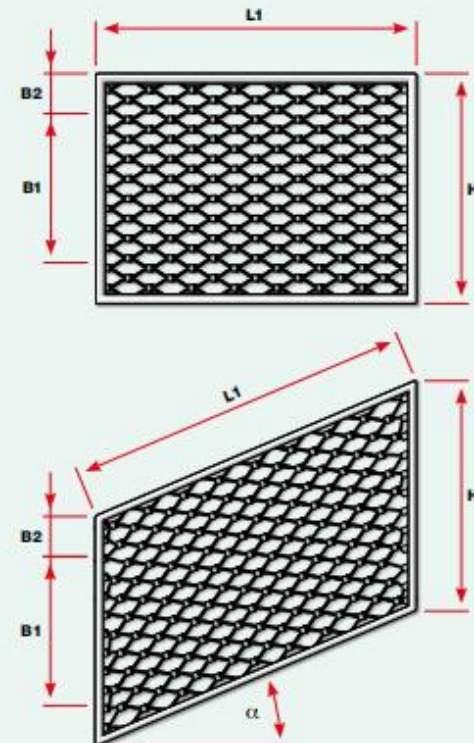




## Drawings with frame rope network



## Installation Details





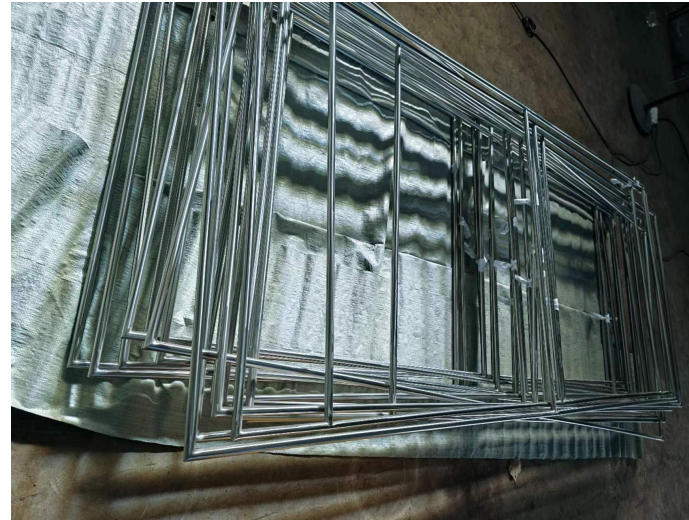
## Display with frame rope network



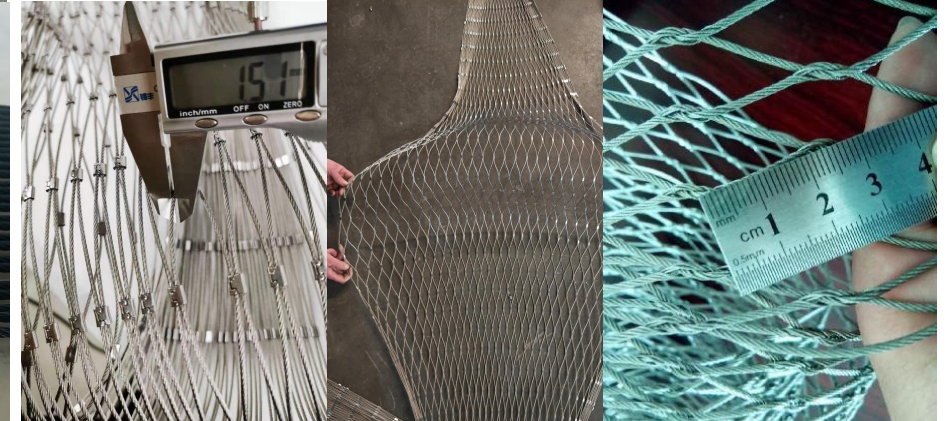
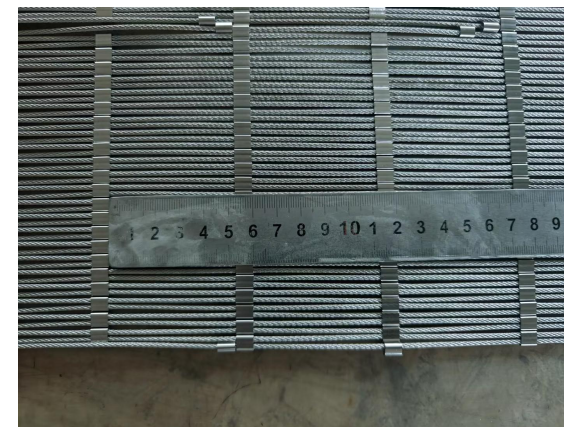
## Polished



## Welding



## Quality Control



## Accessories & Package Loading

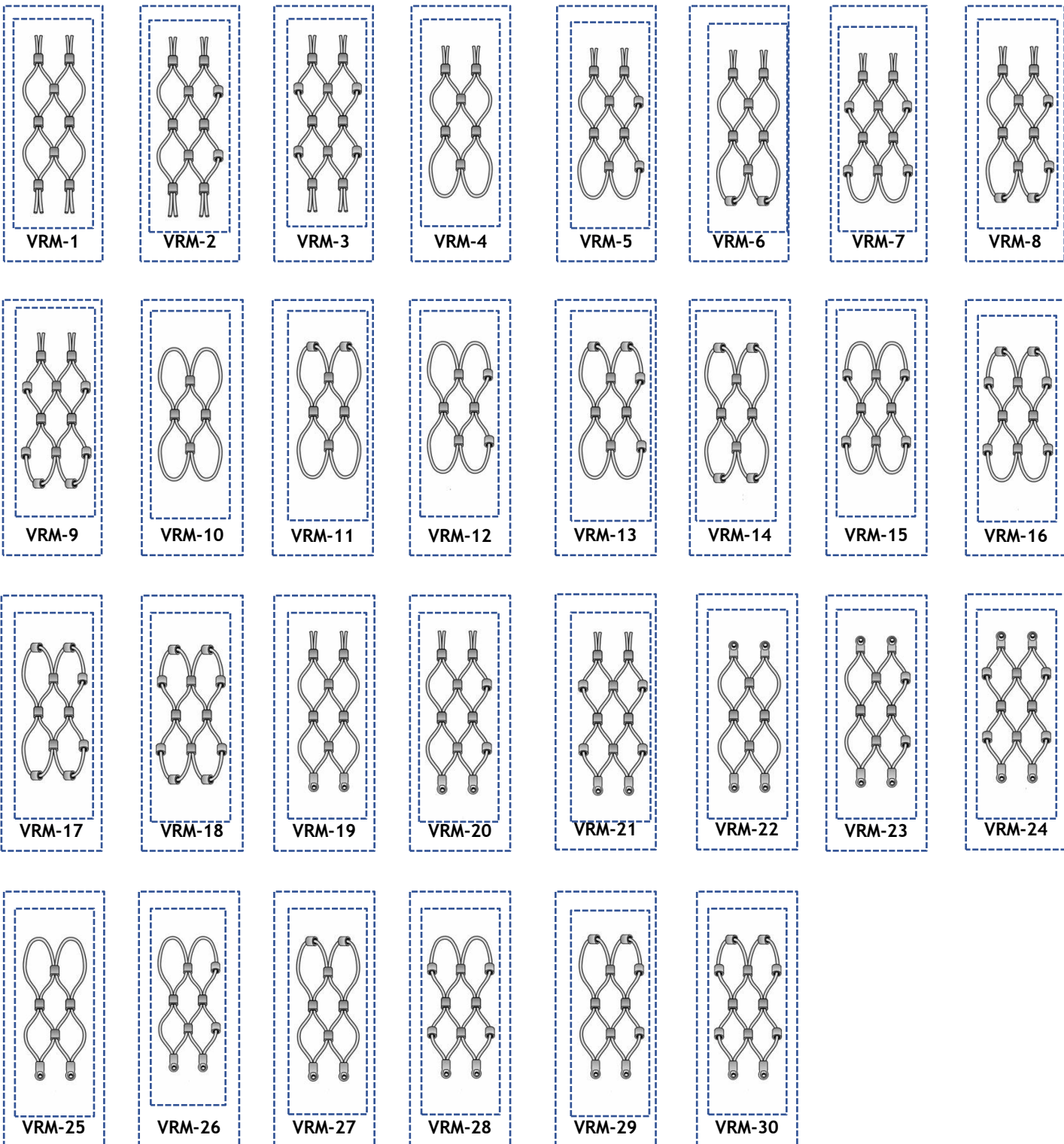




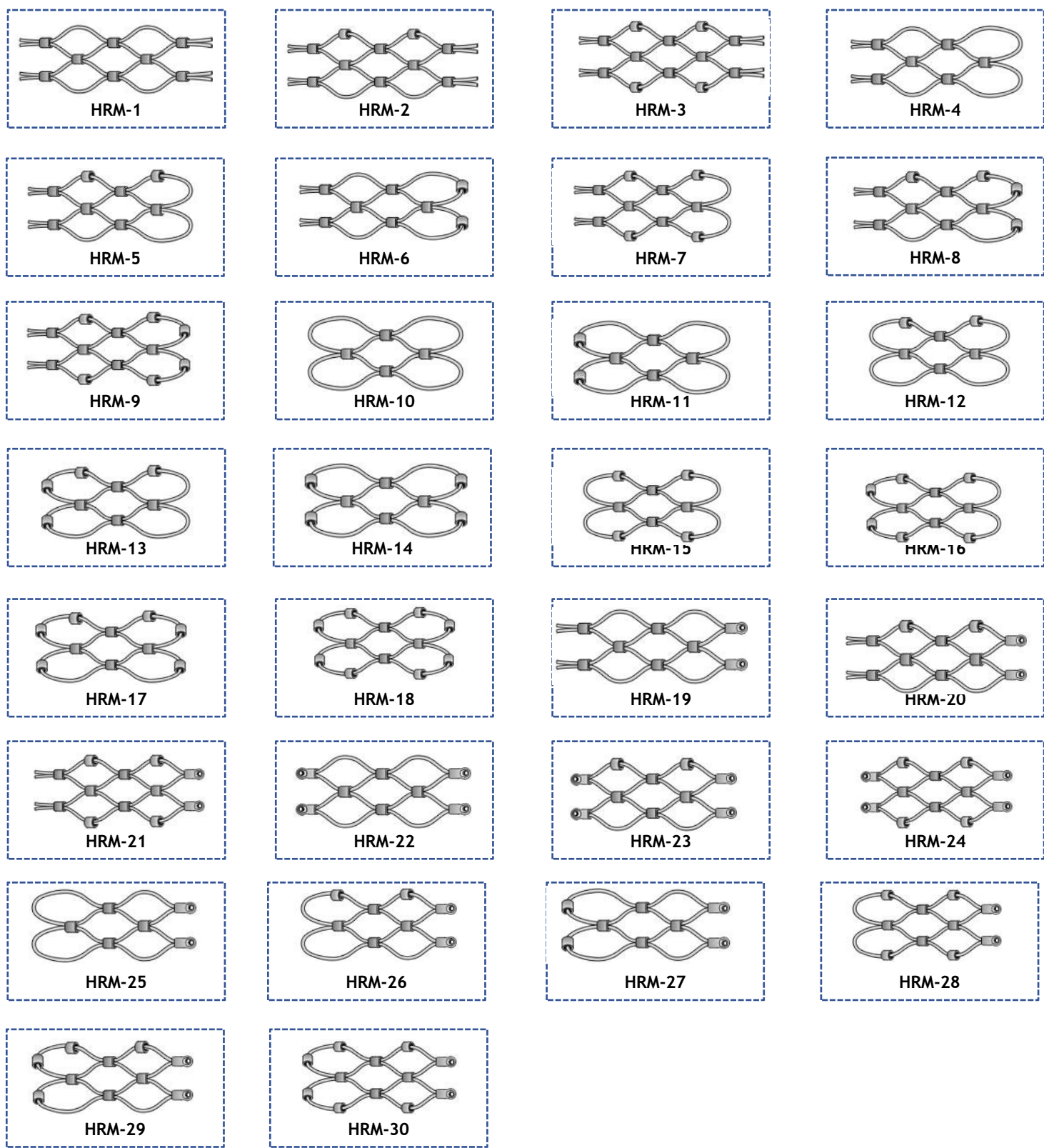
# Different Perimeter Designs

Our range of cable mesh is available in various construction including  $7 \times 7$ ,  $7 \times 19$  upon customers' different needs. Normally, they can be manufactured with horizontal and vertical mesh with different perimeter compositions as shown below:

## Vertical stainless steel cable mesh



## Horizontal stainless steel cable mesh





# Drop Preventing Net

Top quality & service



The Drop Preventing Nets are dropped object prevention devices, that reduce the risk of harm to people and critical equipment caused by items falling from height.

The Nets enclose and tether items and fixtures located at height (such as lights, speakers, horns, CCTV cameras, etc.) to prevent these items from becoming a dropped objects hazard (from impact, fatigue, corrosion, vibration or poor maintenance).

## Fixture Types



## Quotations

Fixtures installed at height vary in shape, size, weight and mounting configuration. To select the correct part number from this product guide, or to make a new product enquiry, you must provide accurate information about your fixture(s). In order for us to provide an accurate quotation, you must follow the Ordering Process .

**⚠ WARNING**

**The attachment structure must be strong enough to support the fixture if it drops.**

**Install Dropsafe Net only if:**

1. The distance between the fixture and the attachment point is:

- vertically less than 30 cm (12")
- horizontally less than 50 cm (20")

2. The net must be snug (not loose) around the fixture.

## Features

Designed and tested to over five times (5X) the product Safe Working Load (SWL)

Available for a wide range of fixtures (custom designs also available)

SUS/AISI 316 stainless steel wire and components

19

20





Factory



Showroom



Workshop



Warehouse



**Ex**  
26 Years  
Industry Experience

**> 80**  
Countries

**Annual Turnover**  
Growth Rate 30%

**> 1000**  
Customers/Projects

**> 70 Employees**  
13500 Square meters

**> 99 %**  
On Time Delivery

**Annual Output**  
> 500 Containers

**< 0.1 % Customer**  
Complains Rate

**ISO**  
ISO 9001:  
2015

**100 % Complaint Resolution**  
Rate

## About WEIYUE

Hebei Weiyue Wire Mesh Products Co., Ltd., located in Anping, Hebei, China, is a professional perforated metal sheets manufacturer. The factory was founded in 1998. The widest products ranging from stainless steel wire, filter mesh, perforated metal sheets, expanded metal sheets, stainless steel rope mesh and so on. As a manufacturing and trading combo, we own workshops of punching, laser cutting, metal expanding, welding and quality inspection department. As a result of our high quality products and outstanding customer service, we have gained a global sales network reaching to the USA, Middle-East, Europe and Africa etc.

Just send us your drawing and picture, we can individually tailor solutions for every customer. We have 12 experienced international trade sales staff in our sales department. They can provide you with professional design & development services, so as to shift your concept into reality.



Our customers are at the  
heart of everything we do