Stainless Steel Rope Mesh

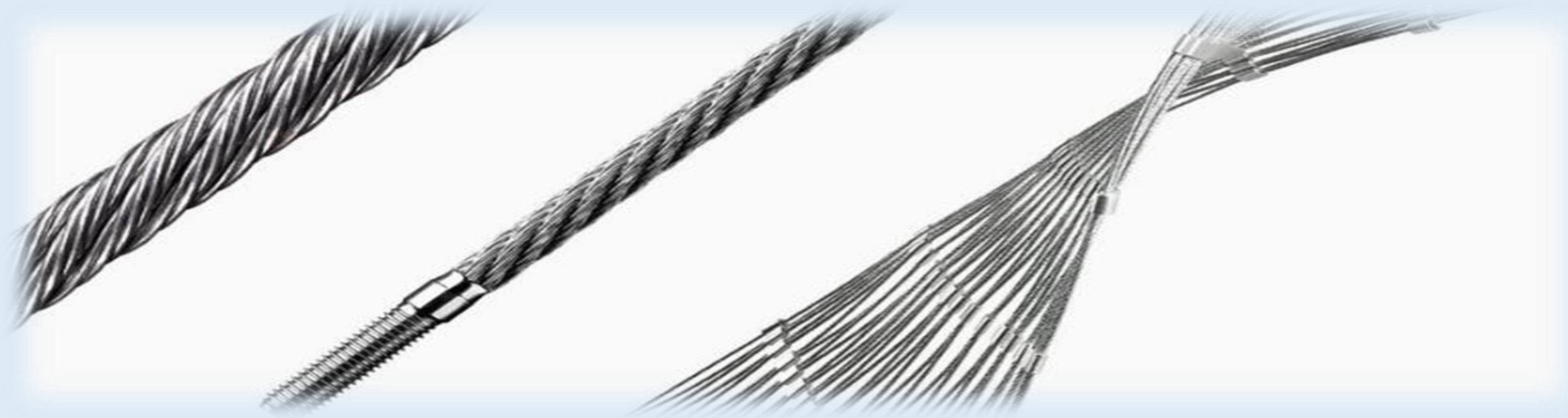
Hebei Martin Technology CO., LTD

Character

1.**Advantage:** (1).Lightweight, high strength, never rust, good flexibility, fatigue resistance, impact resistance, breaking force, the overall structure of the rugged, the useful life of more than30 years;

(2). Stainless steel net is weather resistant, extremely robust and requires virtually no maintenance. It is suited for interior and exterior applications.

2.Multi-purpose: Stainless steel wire rope net is used in a wide variety of ways, such as stair railing infill,fences, zoo enclosures,green wall, skylight protection, fall-stop nets, bridge protection, machine protection, etc.The greatest advantage is its delicate structure. Especially in zoo animal enclosures or protective nets, the visual impairment due to the unavoidable barrier is minimal.effectively prevent rodents and other animal bite to the animal a safe and comfortable living environment;



Brief Introduction

Material: Stainless steel wire type 304, 316,

- The difference lies in the composition of Nickle, and it will make difference on the anti - oxidation and the tension strength. Also it has something to do with the weather.
- If you are in the ocean area,we suggest that you can use the stainless steel 316 or 316L which has a higher anti - oxidation ability while others might be 304.

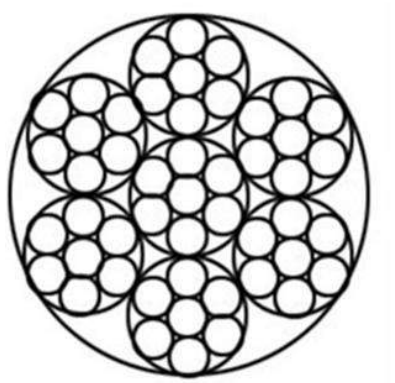
Table of major alloys

Material groups	Country standard				Typical composition					
Desig nation of webnet components	European		US	French	C	Cr	Ni	Div	Type	Old designation
	EN 10088-3		AISI	AFNOR						
AISI 304 group	1.4301	X5CrNi18-10	304	Z6CN18-09	0.07	18	9		Austenite	V2A
AISI 316 group	1.4401	X5CrNiMo17-12-2	316	Z6CND17-11	0.07	18	10		Austenite	V4A
	1.4404	X2CrNiMo17-12-2	316L	Z3CND17-11-02	0.03	17	11	Mo	Austenite	V4A
	1.4408	GX5CrNiMo19-11-2			0.07	19	10		Austenite	V4A
	1.4435	X2CrNiMo18-14-3	316L	Z6CND18-14-03	0.03	18	12		Austenite	V4A
	1.4436	X3CrNiMo17-13-3	316	Z6CND17-12	0.07	18	12		Austenite	V4A
	1.4571	X6CrNiMoTi17-12-2	316Ti	Z8CNDT17-12	0.10	18	10	Ti	Austenite	V4A

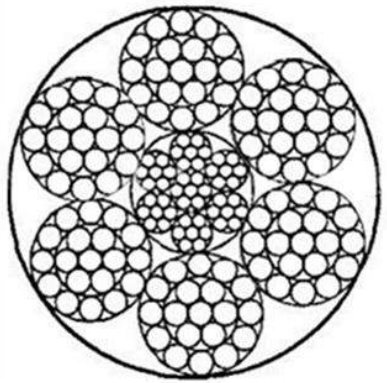
Note:**V2A**:Easily machinable corrosion-resistant;**V4A:**Acid-proof to high strength

Stainless Steel Rope Mesh Typs

Wire Rope Structure



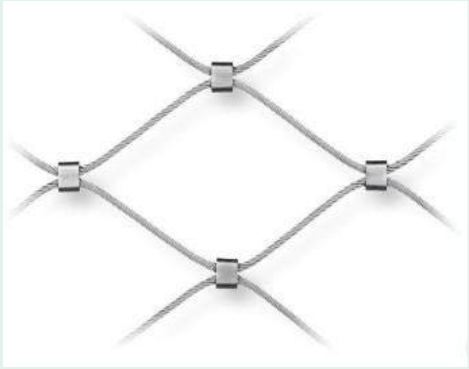
7x7 Type



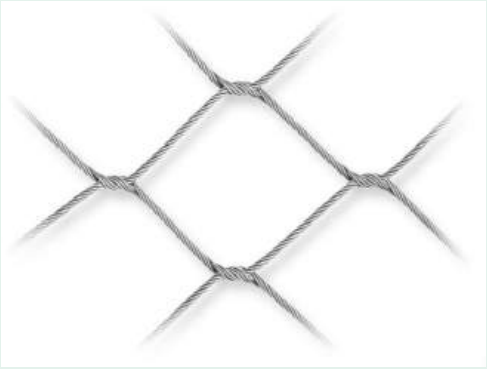
7x19 Type

7x7 and 7x19 stainless steel wire structure.
The difference lies in that the flexibility of the mesh while the tension strength remains the same

Webnet Type



Ferruled mesh

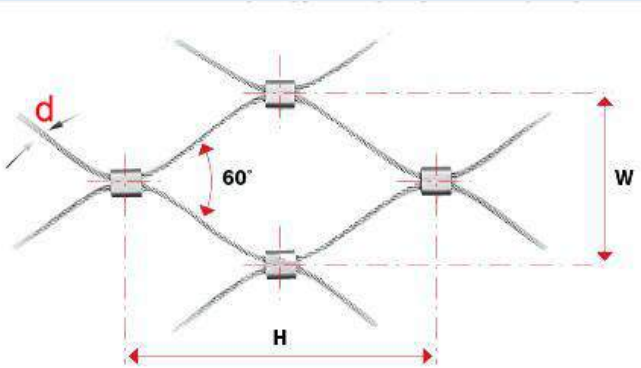


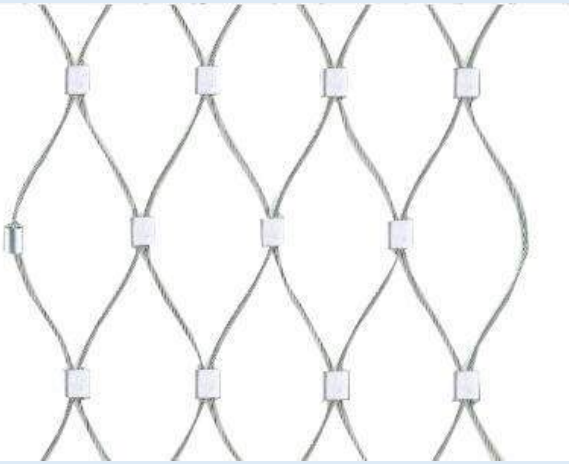
Knotted mesh

Ferruled mesh is of same physical properties with knotted mesh, the only difference is combination style, its wire rope are combined by ferrules that are made of same grade stainless steel.

Available In Stainless Steel 316L

Specification of Stainless Steel Cable Mesh							
⊙d（mm）	1.2	1.5	2	3	4	1.5	2
Material	1.4401 AISI 316						
Construction	7x7	7x7	7x7	7x19	7x19	7x7	7x7
F (kn)	0.785	1.864	2.24	4.69	8.34	1.864	2.24
S(N/mm2)	1770	1770	1570	1570	1570	1770	1570
Type	Ferrules						
Material	1.4401 AISI 316						
F1(kn)	0.10	0.18	0.30	0.50	0.65	0.80	1.40
F2(kn)	1.239	1.850	2.911	3.842	>5.00	2.269	3.438
MWxMH(mm)	Weight (kgs) per m2 by Cable Diameter (d)						
25x43	1.21	2.38					
30x52	0.89	1.74					
35x61						1.17	
40x69	0.56	1.11	2.12	3.81		0.96	1.82
50x87	0.39	0.79	1.5	2.75		0.70	1.31
60x104	0.3	0.61	1.14	2.13		0.55	1.01
70x121	0.24	0.49	0.91	1.73	3.23	0.45	0.82
80x139	0.20	0.41	0.76	1.45		0.37	0.68
100x173		0.31	0.56	1.08	2.00	0.28	0.51
120x208		0.24	0.44	0.86		0.23	0.40
140x242		0.20	0.36	0.71	1.31	0.19	0.33
160x277		0.17	0.30	0.61		0.16	0.28
180x312		0.15	0.26	0.53		0.14	0.25
200x346		0.13	0.23	0.47	0.85		
F	Minimum tensile strength of cables						
S	Nominal strength of the individual wires						
MWxMH	With 60-degree included angle						





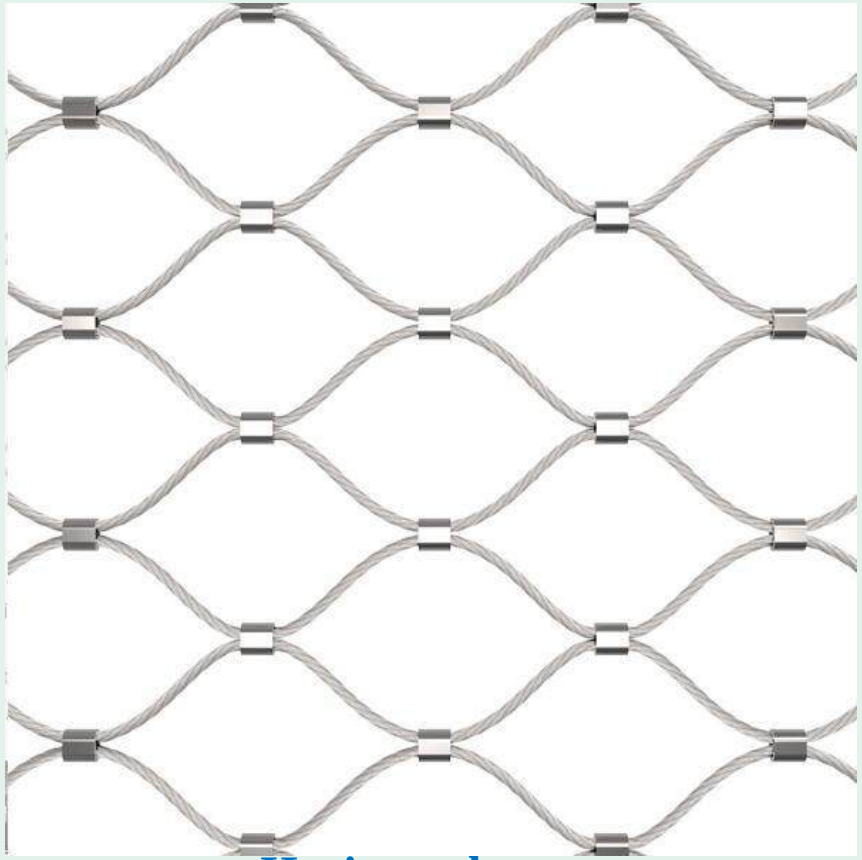
W = Opening Width
H = Opening Height
d = Cable Diameter

For measuring purposes the ferruled mesh is assumed to be stretched to create a 60° angle at the top and bottom of the diamond.

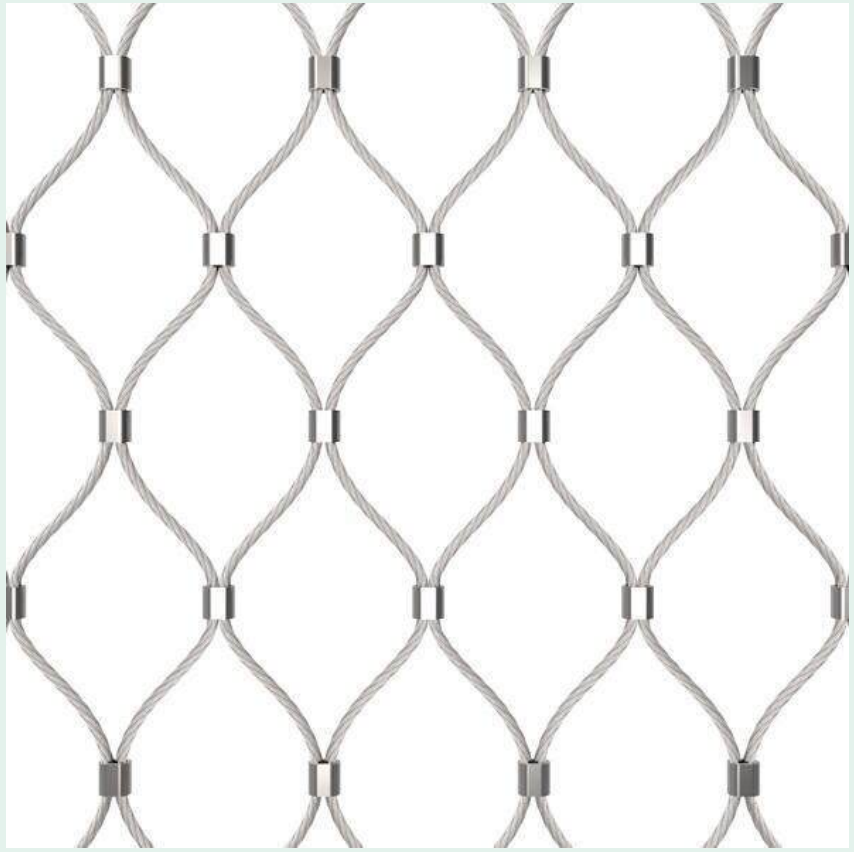
Orientation Options

Rope Diamond ferruled wire mesh can be installed horizontally or vertically depending on the results required.

Vertical meshes are less suitable for climbing (safety factor load)
Assembly-related reasons (tight radii always require vertical meshes)
When the Webnet is tensioned, the forces are greater in the mesh height direction than in the mesh width direction.



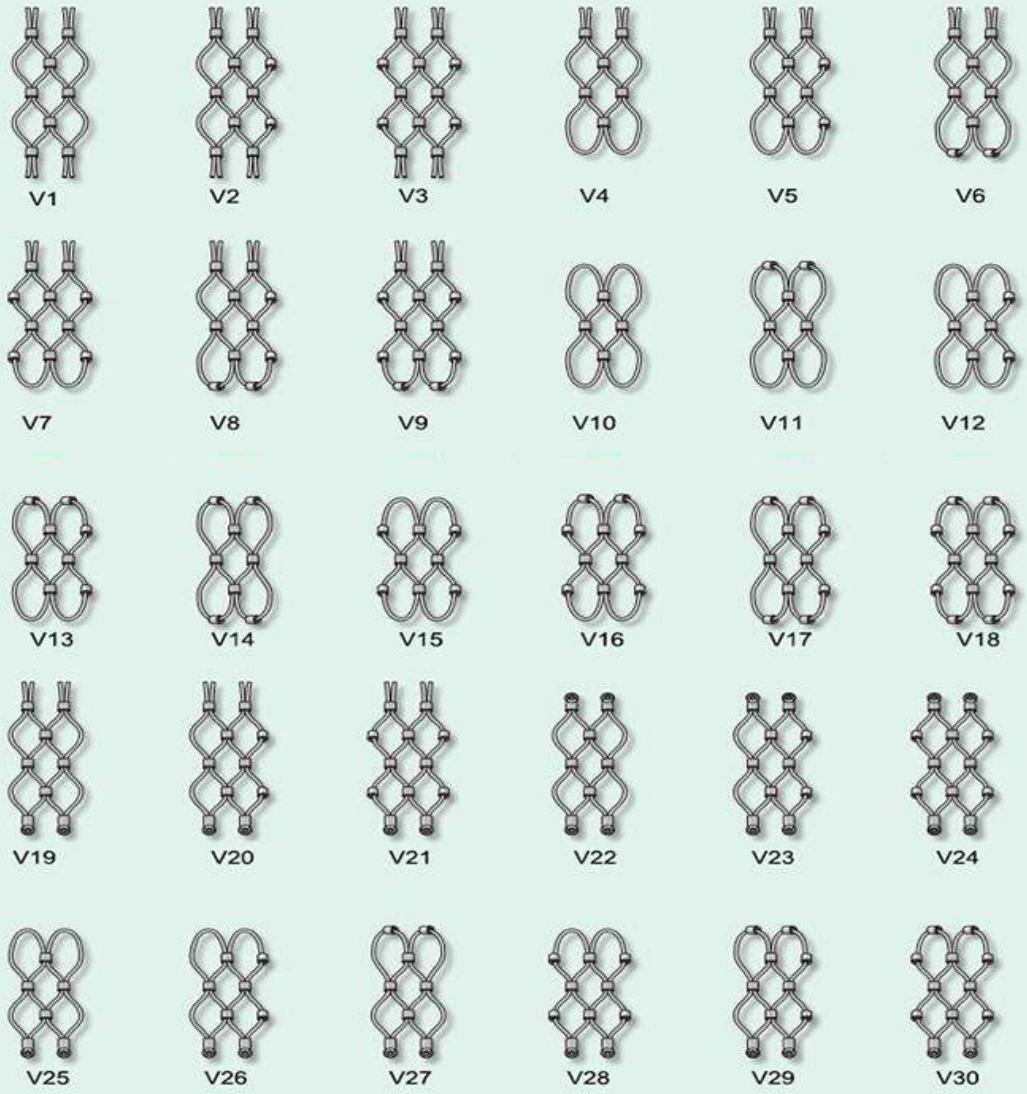
Horizontal



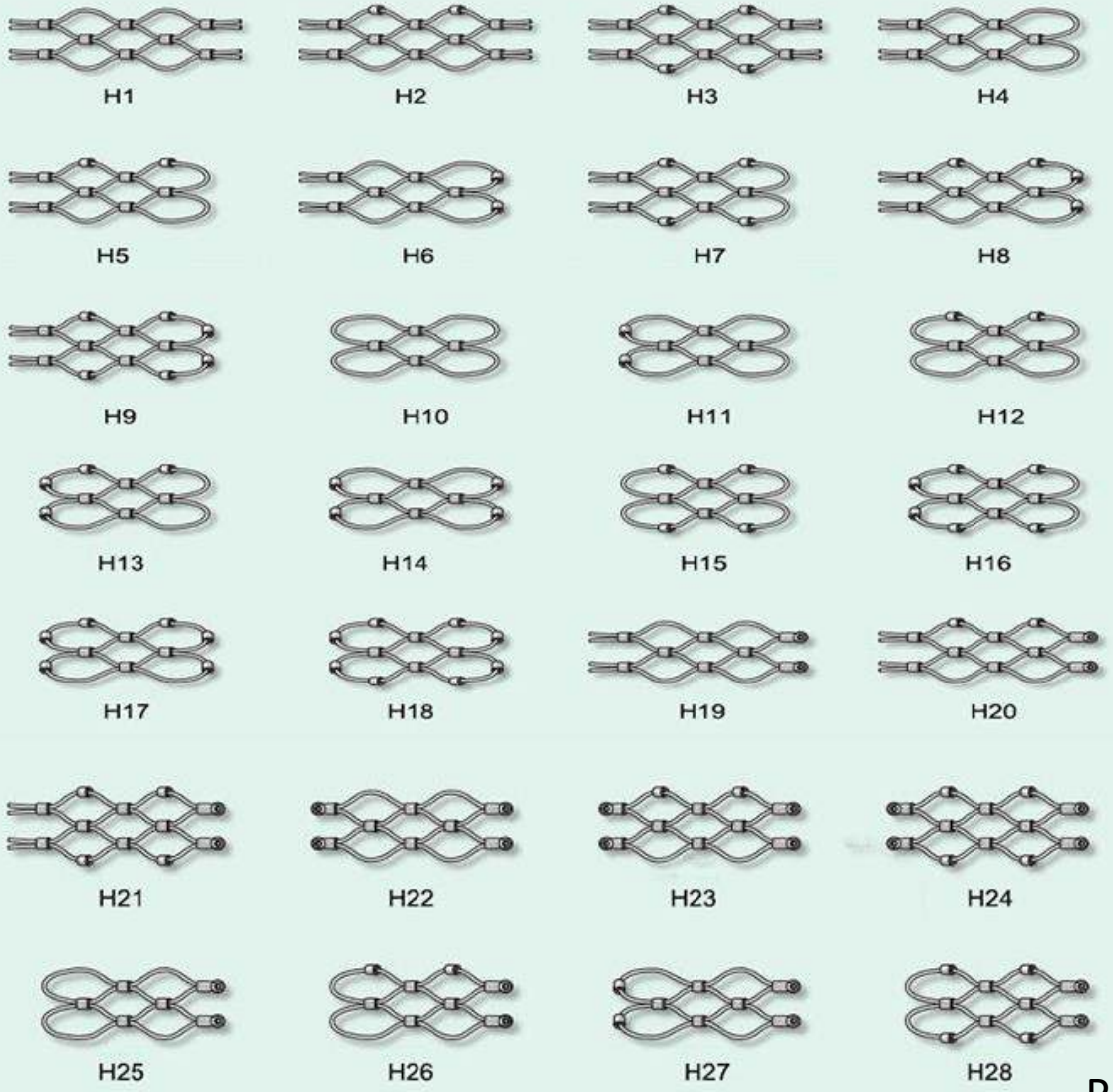
Vertical

Possible Perimeter Types For Webnet

Vertical Mesh



Horizontal Mesh



Edging Types Options

Type A :No Ferrules With Edging

Uncompressed loose edging ferrules enable easy attachment of the mesh to a frame.

Type B : Ferrules With Edging

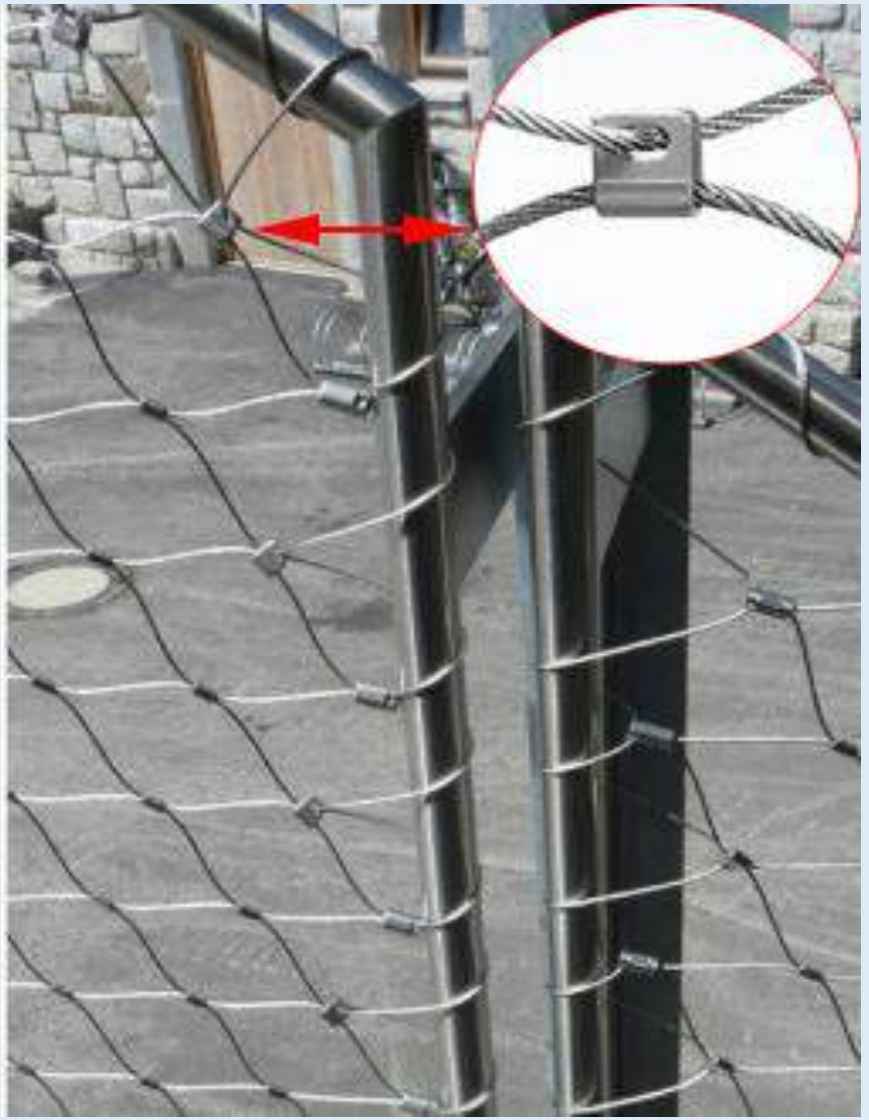
The ferruled mesh can be edged with a combination of loose ferrules and eyelets for fixing to a solid surface.

Webnet Eye Ends

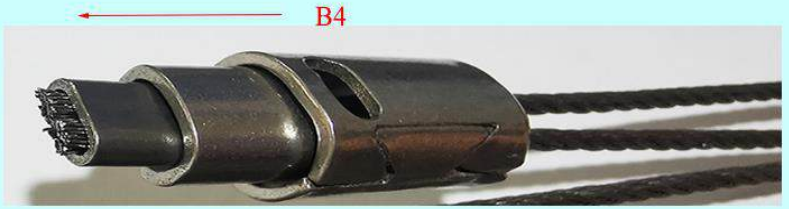
Model A	1	2	3	4	5
L /mm	20	21	22	24	custom
K/mm	2	2	2	2	
r/mm	2.3	3.6	3.6	4.8	
R/mm	3	4	4.9	6	
For wire rope and stranded wireØmm	1.5	2.0	2.4	3.0	3.0
Model B	**B1**	**B2**	**B3**	**B4**	
L	8	9	9	14	custom
W	7	7	7	9	
K	1	1	1	1	
For wire rope and stranded wireØmm	1.5-2.0	1.5	1.5	1.5	

Model A

Model B1



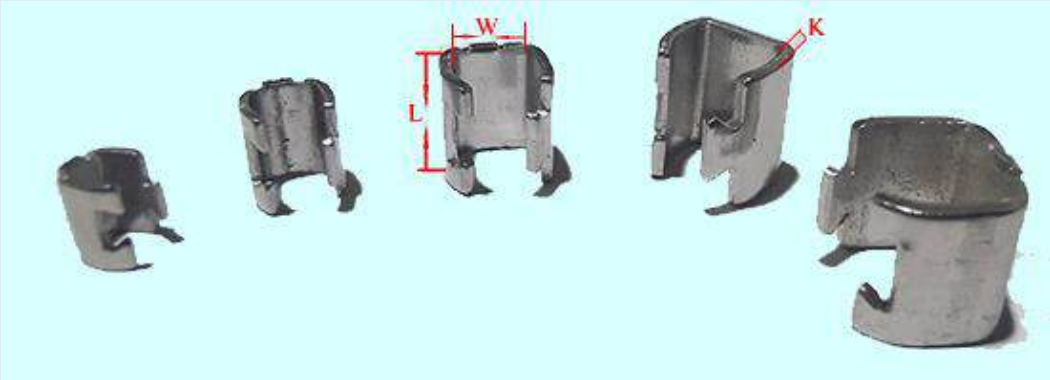
B3+B4



Model B3+B4

Net Ferrule Types

Model A	1	2	3	4	5
L /mm	5	6	7	8	8
W/mm	3	3.4	4.2	5	6.2
K/mm	0.5	1	1	1	1
For wire rope and stranded wireØmm	1.2	1.5	2.0	2.4	3.0

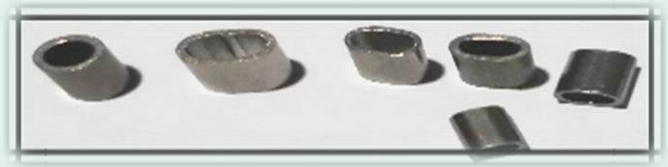


Model B	1	2	3	4	5
L/mm	6	7	8	8	custom
D/mm	3.2	4.2	5	6.1	custom
K/mm	1	1	1	1	
For wire rope and stranded wireØmm	1.5/1.6	2.0	2.4	3.0	

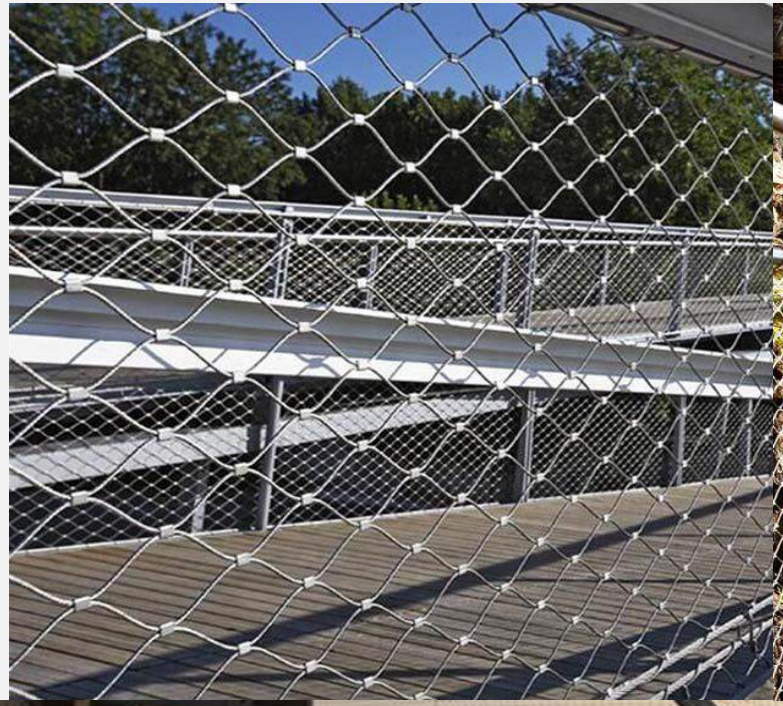
Webnet Ferrule Sample

Ferrule Model A

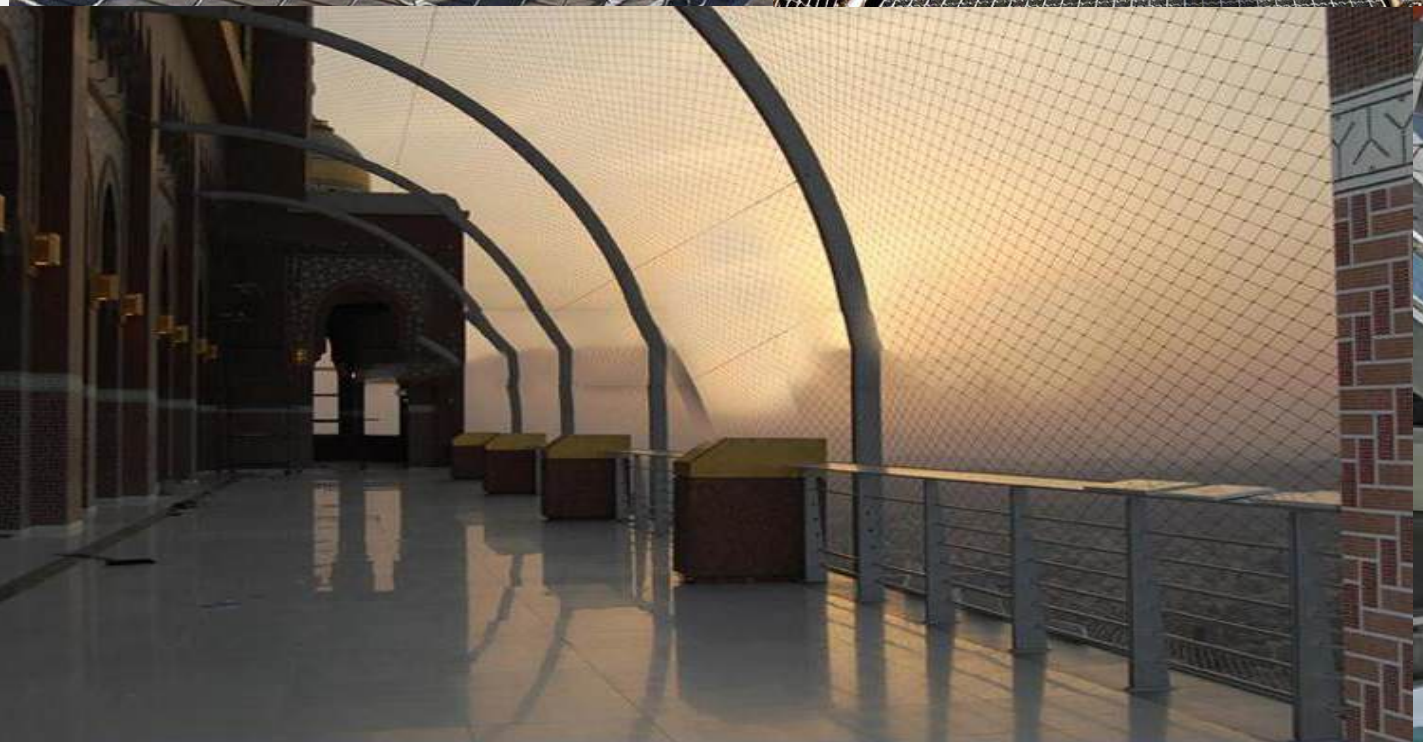
Ferrule Model B



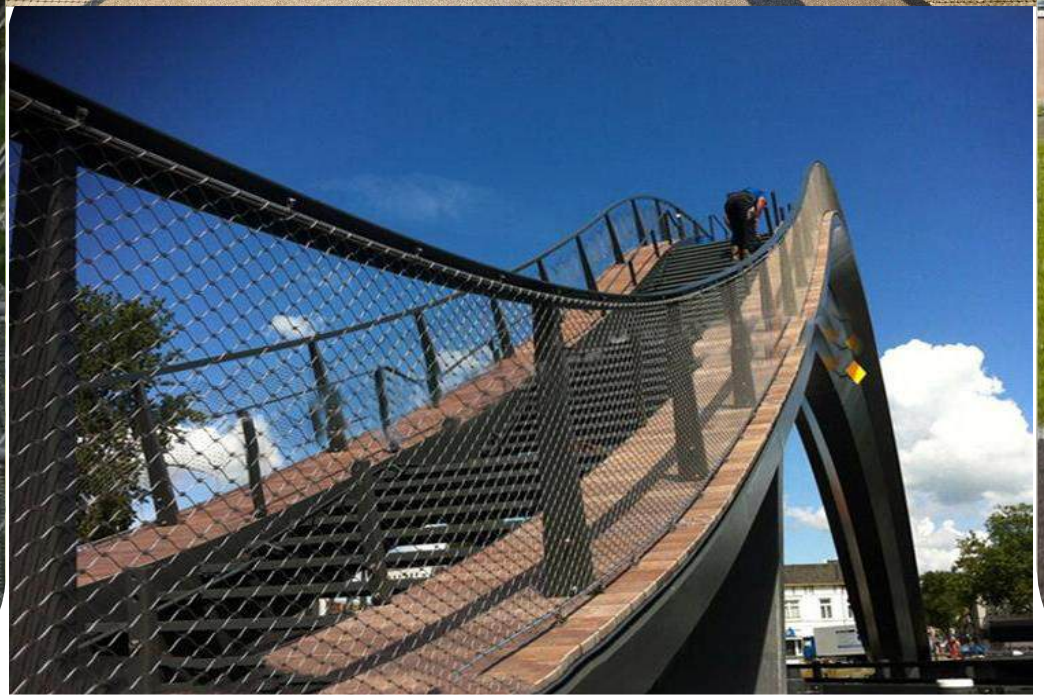
Railing&SafetyProtection







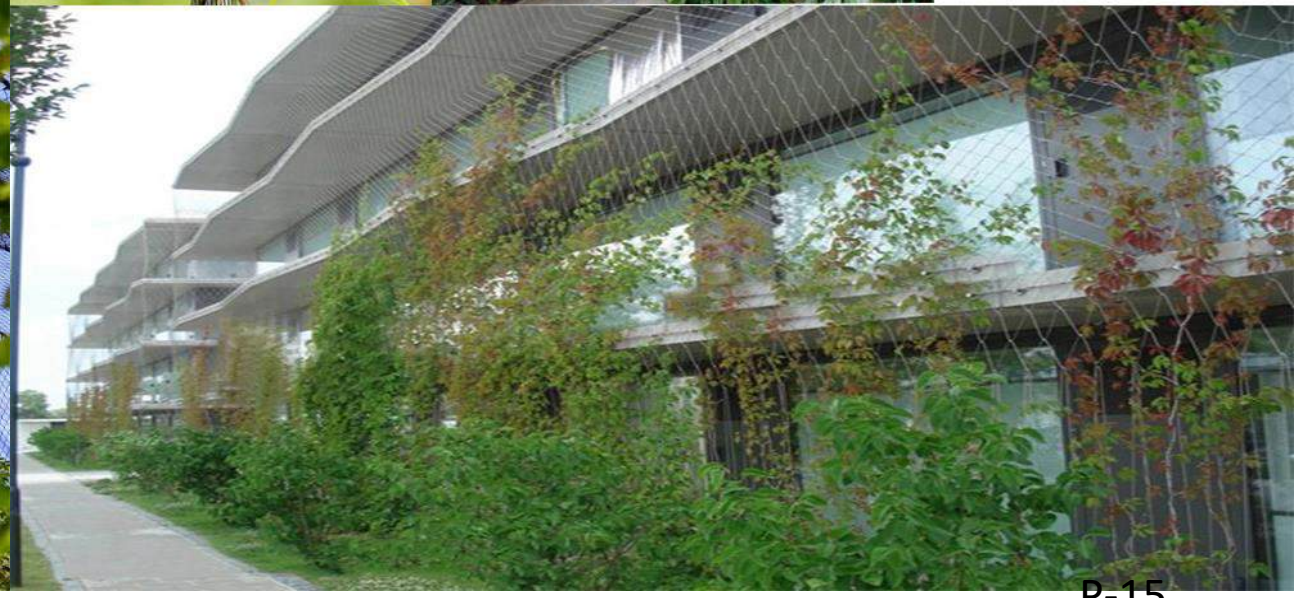
BridgeProtection&Fences



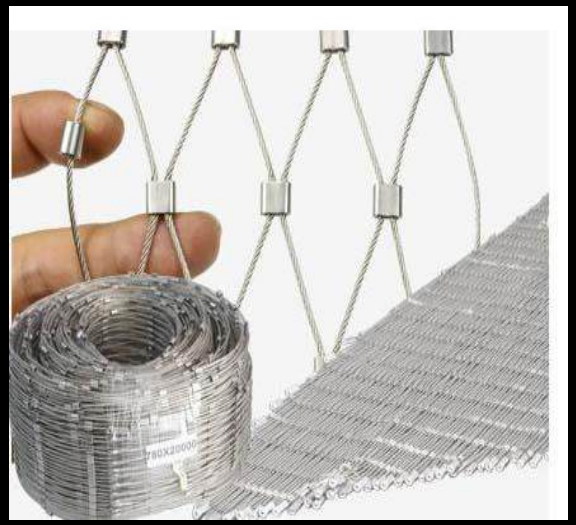
Application

ZOO Mesh

Green Wall

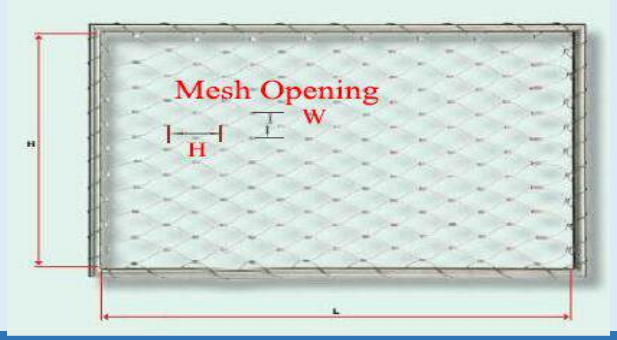
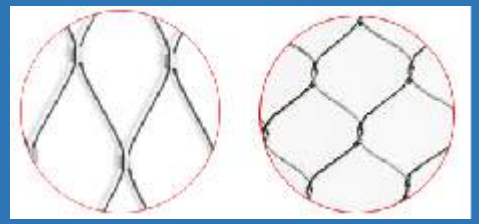


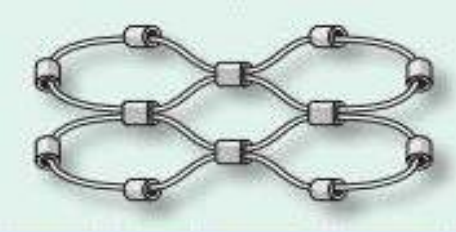
Packing



Outside Wooden

How To For An Order

	Iterm	Reference
1	Tell Us The Area Covered Size We Calculate The Mesh Opening Size	
2	Wire Rope Material	ppt/p-2
3	Wire Rope Structure	ppt/p-3 
4	Webnet Type	ppt/p-3 
5	Wire Rope Daimeter	ppt/p-4 
6	Orientation	ppt/p-5

	Iterm	Reference
7	Net Ferrule Types	ppt/p-11,12 
8	Edging Types Options	ppt/p-7
9	Possible Perimeter Types For Webnet	ppt/p-6 
10	Webnet Eye Ends	ppt/p-8,9,10 
11	Packing	Wooden Box Or As You Required

About Us

Hebei Zonghang&Martin Technology Co., ltd are professional in manufacturing wire mesh machines, machine parts and kinds of wire mesh for over 20 years.

1.Our products are widely exported to India,France,USA, Malaysia, Bahrain,Egypt,Russia and South Korea.

2.Our products have premium- quality and competitive piece.

3. Services:we support you with our knowledge and profound experience to realise your project. Feel free to choose the particular service that you require.

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