

NOVA MESH



Rope Cable Mesh



PROFESSIONAL
METAL MESH
MANUFACTURER



Types of stainless steel rope mesh:

Basically, there are 2 types of stainless steel rope mesh shown below:



•Stainless Steel Ferrule Rope Mesh



•Stainless Steel Knotted Rope Mesh

BROAD EXPERIENCE, PROSPECTIVE, AND LONG-TERM VISION, WE'RE TRUSTED SUPPLIER TO THE ARCHITECTURAL INDUSTRY WORLDWIDE

Nova Wire Mesh provides valuable support to architects, metalworkers, designers and craftsmen while involving in outstanding architectural projects of all kinds throughout the world. For over fifteen years, our stainless steel rope meshes have been uniting aesthetics and properties in an extensive range of architectural applications, whether with custom-made meshes or with standardized mesh system components.



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. All stainless steel rope meshes are manufactured to ISO 9001 standards.

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.

Feature

- Stainless steel provides the highest corrosion resistance.
- Elegant and robust.
- Light, robust yet transparent.
- UV and weather resistant.
- Flexible and pliable.
- Climb resistant and prevents a secure foothold.
- The minimum visual impact on views.
- Recyclable.
- Good price-benefit-ratio.
- Easy to assemble and low maintenance.
- Weave opening, meet any exact specification.

Specification

STAINLESS STEEL ROPE MESH

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

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

Surface treatment: silver or black oxide finish.

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

Cable diameter: 1.0–5.0 mm.

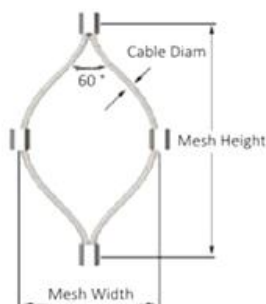
Mesh opening sizes: 20–200 mm.

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

Connection: ferrule or knotted.

Certification: certified to EN1263-1 for static and dynamic load capacity.

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



Rope Diamond Ferruled Mesh

Optimum tension is achieved when 60° angle is formed between the two equilateral triangles. Once installed, the mesh structure is very stable because the tension is distributed evenly over the entire mesh.

Stainless Steel Rope Mesh (Ferrule Type), 7×7 Construction Wire Rope

Item Number	Mesh Aperture Width $\times$ Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT254010-F	25 $\times$ 40	1.0	0.6
YT254016-F		1.6	1.5
YT305010-F	30 $\times$ 50	1.0	0.6
YT305016-F		1.6	1.5
YT356010-F	35 $\times$ 60	1.0	0.6
YT356016-F		1.6	1.5
YT356020-F		2.0	2.5
YT407010-F	40 $\times$ 70	1.0	0.6
YT407016-F		1.6	1.5
YT407020-F		2.0	2.5
YT508810-F	50 $\times$ 88	1.0	0.6
YT508816-F		1.6	1.5

Stainless Steel Rope Mesh (Ferrule Type), 7 × 7 Construction Wire Rope (CONTINUED FROM LAST PAGE)			
Item Number	Mesh Aperture Width × Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT 508820-F	50 × 88	2.0	2.5
YT 508830-F		3.0	5.7
YT 508840-F		4.0	10.1
YT6010510-F	60 × 105	1.0	0.6
YT6010516-F		1.6	1.5
YT6010520-F		2.0	2.5
YT6010530-F		3.0	5.7
YT6010540-F		4.0	10.1
YT6010550-F		5.0	15.9
YT7012010-F	70 × 120	1.0	0.6
YT7012016-F		1.6	1.5
YT7012020-F		2.0	2.5
YT7012030-F		3.0	5.7
YT7012040-F		4.0	10.1
YT7012050-F		5.0	15.9
YT8014010-F	80 × 140	1.0	0.6
YT8014016-F		1.6	1.5
YT8014020-F		2.0	2.5
YT8014030-F		3.0	5.7
YT8014040-F		4.0	10.1
YT8014050-F		5.0	15.9
YT10017510-F	100 × 175	1.0	0.6
YT10017516-F		1.6	1.5
YT10017520-F		2.0	2.5
YT10017530-F		3.0	5.7
YT10017540-F		4.0	10.1
YT10017550-F		5.0	15.9
YT12021010-F	120 × 210	1.0	0.6
YT12021016-F		1.6	1.5
YT12021020-F		2.0	2.5
YT12021030-F		3.0	5.7
YT12021040-F		4.0	10.1
YT12021050-F		5.0	15.9
YT16027510-F	160 × 275	1.0	0.6
YT16027516-F		1.6	1.5
YT16027520-F		2.0	2.5
YT16027530-F		3.0	5.7
YT16027540-F		4.0	10.1
YT16027550-F		5.0	15.9
YT18031010-F	180 × 310	1.0	0.6
YT18031016-F		1.6	1.5

Stainless Steel Rope Mesh (Ferrule Type), 7 × 7 Construction Wire Rope (CONTINUED FROM LAST PAGE)

Item Number	Mesh Aperture Width × Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT18031020-F	180 × 310	2.0	2.5
YT18031030-F		3.0	5.7
YT18031040-F		4.0	10.1
YT18031050-F		5.0	15.9
YT20034510-F	200 × 345	1.0	0.6
YT20034516-F		1.6	1.5
YT20034520-F		2.0	2.5
YT20034530-F		3.0	5.7
YT20034540-F		4.0	10.1
YT20034550-F		5.0	15.9

Stainless Steel Rope Mesh (Woven), 7 × 7 Construction Wire Rope

Item Number	Mesh Aperture Width × Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT252512-W	25 × 25	1.2	0.8
YT252516-W		1.6	1.5
YT303012-W	30 × 30	1.2	0.8
YT303016-W		1.6	1.5
YT404012-W	40 × 40	1.2	0.8
YT404016-W		1.6	1.5
YT404020-W		2.0	2.5
YT505012-W	50 × 50	1.2	0.8
YT505016-W		1.6	1.5
YT505020-W		2.0	2.5
YT606012-W	60 × 60	1.2	0.8
YT606016-W		1.6	1.5
YT606020-W		2.0	2.5
YT606024-W		2.4	3.4
YT606030-W		3.0	5.7
YT757512-W	75 × 75	1.2	0.8
YT757516-W		1.6	1.5
YT757520-W		2.0	2.5
YT757524-W		2.4	3.4
YT757530-W		3.0	5.7
YT757540-W	90 × 90	4.0	10.1
YT909012-W		1.2	0.8
YT909016-W		1.6	1.5
YT909020-W		2.0	2.5
YT909024-W		2.4	3.4
YT909030-W		3.0	5.7
YT909040-W		4.0	10.1

Stainless Steel Rope Mesh (Woven), 7 × 7 Construction Wire Rope (CONTINUED FROM LAST PAGE)

Item Number	Mesh Aperture Width × Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT10010012-W	100 × 100	1.2	0.8
YT10010016-W		1.6	1.5
YT10010020-W		2.0	2.5
YT10010024-W		2.4	3.4
YT10010030-W		3.0	5.7
YT10010040-W		4.0	10.1
YT12012012-W	120 × 120	1.2	0.8
YT12012016-W		1.6	1.5
YT12012020-W		2.0	2.5
YT12012024-W	120 × 120	2.4	3.4
YT12012030-W		3.0	5.7
YT12012040-W		4.0	10.1

Stainless Steel Rope Mesh, 7 × 19 Construction Wire Rope

Item Number	Mesh Aperture Width × Height (mm)	Wire Rope Diameter (mm)	Minimum Breaking Load (kN)
YT15026032	150 × 260	3.2	7.38
YT12020832	120 × 208	3.2	7.38
YT10017332	100 × 173	3.2	7.38
YT 9015632	90 × 156	3.2	7.38

Custom dimensions available. Contact our technical expert today on +86-15833836064 for more details.

Orientation Options

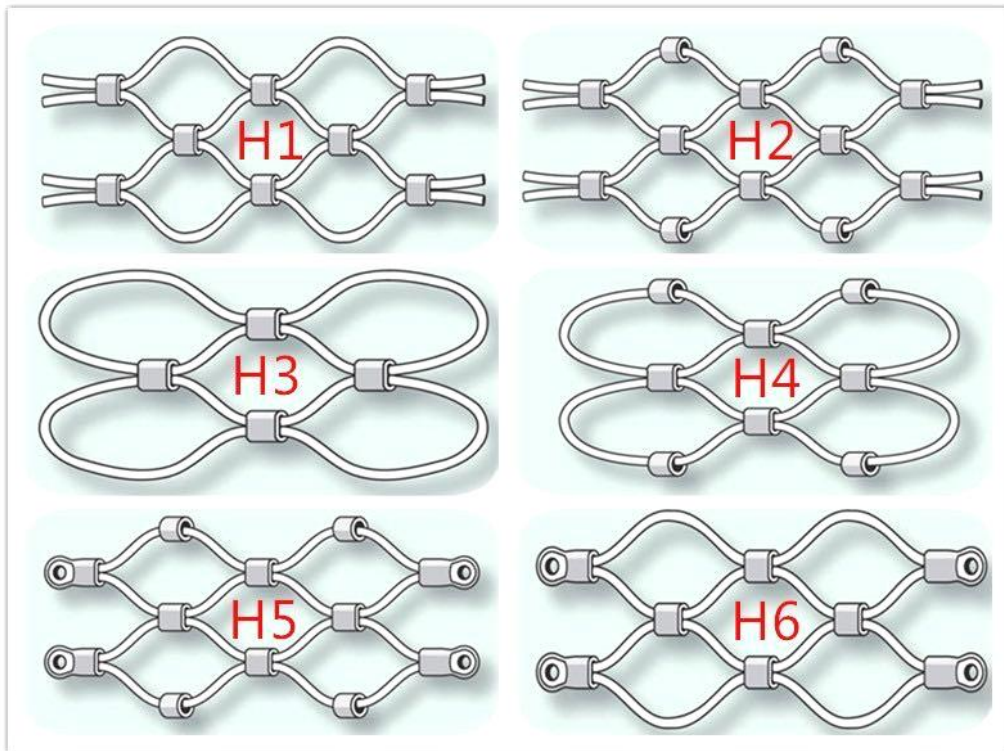
Stainless steel wire rope mesh can be installed horizontally or vertically depending on the actual engineering needs.

Horizontal



Vertical





Balustrade infill, balcony railings, animal enclosures, horizontal or vertical fall protection, bird screening, interior dividers, facade cladding, green wall system or simply very flexible design elements.



|| Bridge Balustrade



Stair Railing ||



|| Tensile Facade



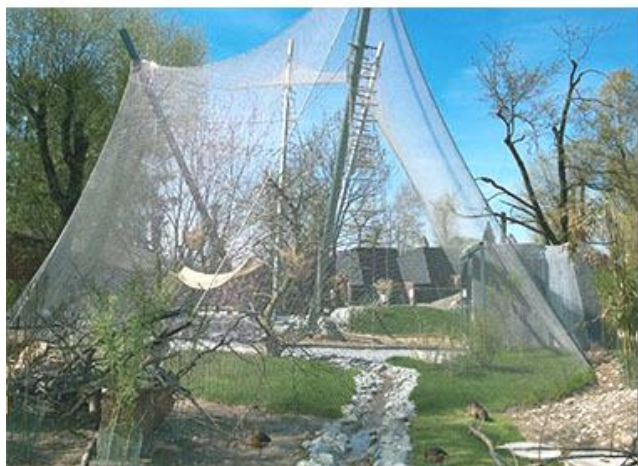
Green Walls ||



|| Animal Enclosure



Barrier Infill ||





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