NICKEL WOVEN WIRE MESH

TENDER®

TENDER WIRE MESH

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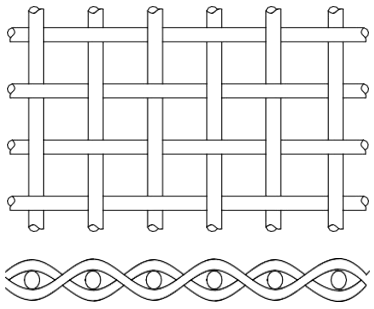
Specifications

Nickel woven mesh is constructed from nickel wires with high purity not less than 99%.It is a sliver-white metal with high electrical conductivity, thermal conductivity, ductility and corrosion resistance.Broad used as filter materials in mining, oil, chemical, food, pharmaceutical and mechanical industries.

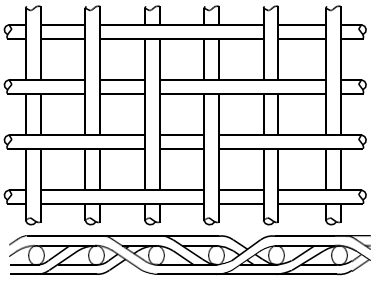
Wire diameter: 0.05–0.5 mm.
Mesh: 2–400 mesh.
Width: standard less than 2000 mm.
Length: 30 m rolls or cut to length, minimum 2 m.

Weave Type



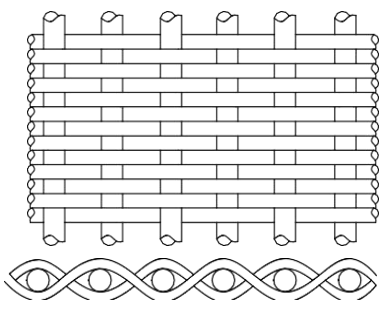
Plain weave

The simplest used type with square openings. It is woven by alternating the weft wire over and under the warp wire. It is often used for weaving coarse mesh and typically serves as the protection layer of coarse filtration and filter media.



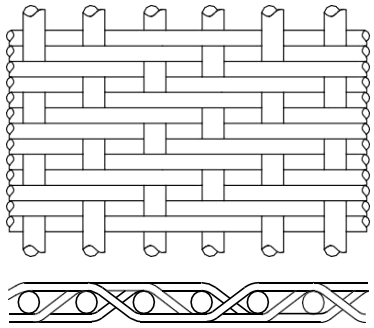
Twill weave

Each weft wire passes alternately over and under 2 warp wires, staggered on successive warps. It is generally used for weaving fine mesh and is suitable for fine filtration than plain weave.



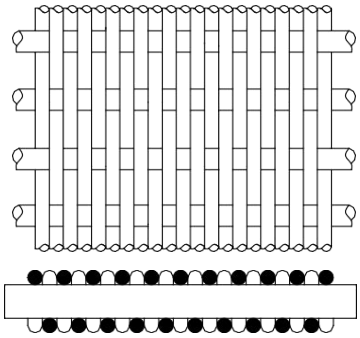
Plain Dutch weave

The diameter of the warp wire is bigger than the weft wire. During the weaving process, the finer weft wires are driven closer to form a tight filter medium. Typically, coarse mesh works as a reinforcing layer of the metal sintered mesh and the fine mesh as the filtration layer of the metal sintered mesh.



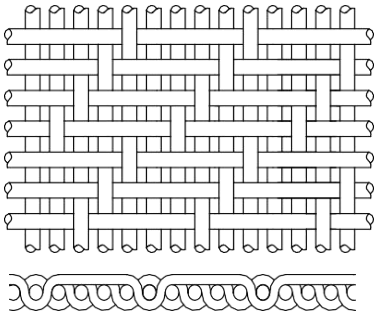
Twill dutch weave

It combines the Dutch and twill weaving process. Each warp wire passes over and under two fine weft wires. Weft wires are driven closer to each other, forming a tight woven mesh with tapered or wedge-shaped openings. In addition, it also forms smaller opening sizes. Typically, coarse mesh works as a reinforcing layer of the metal sintered mesh and the fine



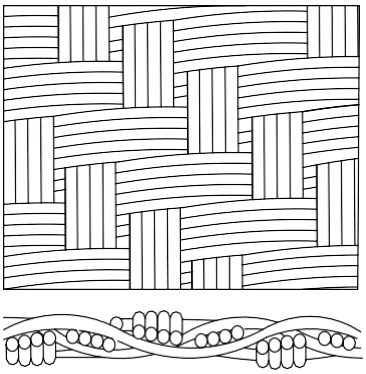
Reverse dutch weave

It is in a reverse of the plain Dutch weave wire arrangement using larger warp wires and smaller weft wires. It adopts smaller warp wires to offer a tight mesh structure for filtration and larger weft wires deliver higher strength for the woven mesh to extend its service life. Polymer continuous filter belts are generally produced with reverse Dutch weave.



Five-heddle weave

Every warp wire alternately up and down each single and four weft wires and vice versa. It provides a rectangular opening and offers high flow rates and good mechanical stability. It is widely used in drainage filtration, undercurrent filtration, and paper-making and chemical packing dehydration.



Multiplex weave

It is a relatively complex metal wire mesh or textile structure, characterized by the interweaving of multiple layers or strands of silk threads to form a more stable, durable, or functionally specific structure. Commonly used for high demand applications such as filtration, reinforcement, decoration, etc

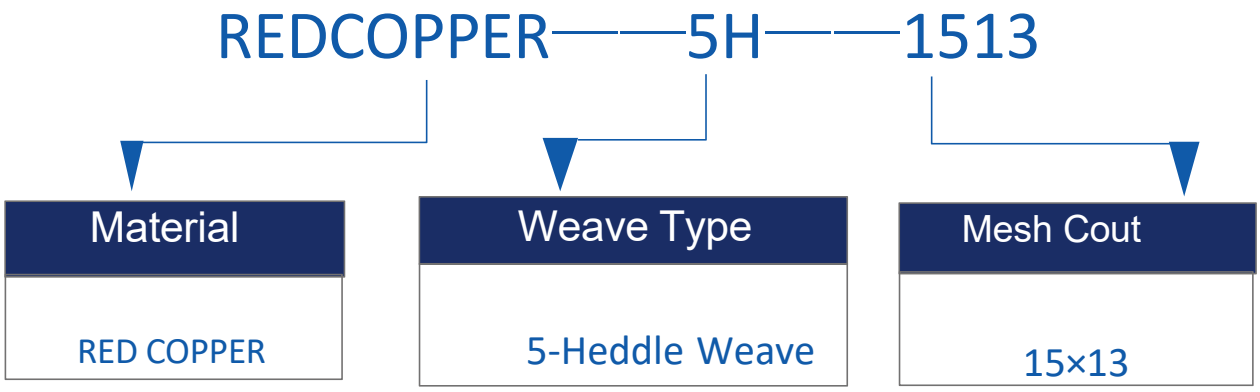
Customized Design and Production Planning

TENDER WIRE MESH is the largest manufacturer of metal braided wire mesh in China.

We Having over 20 professional PhDs in metal materials, responsible for the design department, possessing significant design and production capabilities provide customized production for all customers

Just tell us the material, weaving method, and mesh you want, and we will provide you with a quotation, such as the following

a simple code like this can be used



Besides, if you already have relevant product designs, you can tell us directly. We can directly produce for you

Or, tell me your purpose, filter media, and other information so that we can design and produce for you

Of course, as an excellent manufacturer, it is necessary to have sufficient spot inventory to meet the timely needs of customers.

We can achieve fast delivery for the goods listed in the commonly used specifications table below.

Standard specification table

Common models	International standard	Chemical composition
Ni200	ASTM B162	⩾99. 5%
Ni201	ASTM B162	⩾99. 6%
Ni205	ASTM EN	⩾99. 5%
Ni270	ASTM EN	⩾99. 8%

Material	Mesh Count	Diameter (in.)	Weave Type	Width Opening (in.)	Open Area (%)
NI200	8 × 8	0.0280	Plain	0.0970	60.20
	10 × 10	0.0200	Plain	0.0800	64.00
	12 × 12	0.0140	Plain	0.0693	69.20
	16 × 16	0.0120	Plain	0.0505	65.30
	16 × 16	0.0140	Plain	0.0485	60.20
	20 × 20	0.0045	Plain	0.0455	82.80
	20 × 20	0.0070	Plain	0.0430	74.00
	20 × 20	0.0140	Plain	0.0360	51.80
	25 × 25	0.0060	Plain	0.0190	57.80
	26 × 26	0.0100	Plain	0.0285	54.80
	30 × 30	0.0130	Plain	0.0203	37.20
	40 × 40	0.0060	Plain	0.0190	57.80
	40 × 40	0.0100	Plain	0.0150	36.00
	50 × 50	0.0020	Plain	0.0180	81.00
	60 × 60	0.0070	Plain	0.0097	33.60
	60 × 60	0.0105	Twill	0.0062	13.70
	60 × 60	0.0100	Twill	0.0057	11.60
	70 × 70	0.0040	Plain	0.0103	51.80

Material	Mesh Count	Diameter (in.)	Weave Type	Width Opening (in.)	Open Area (%)
NI200	70 × 70	0.0045	Plain	0.0098	46.90
	70 × 70	0.0080	Twill	0.0063	19.40
	80 × 80	0.0055	Twill	0.0070	31.40
	85 × 70	0.0060	Plain	0.0000	28.40
	100 × 100	0.0020	Plain	0.0080	64.00
	100 × 100	0.0040	Plain	0.0060	36.00
	100 × 100	0.0045	Plain	0.0060	30.30
	200 × 200	0.0018	Plain	0.0032	41.00
NI201	60 × 60	0.0070	Plain	0.0097	33.60
	60 × 60	0.0105	Twill	0.0062	13.70
	60 × 60	0.0100	Twill	0.0057	11.60
	70 × 70	0.0040	Plain	0.0103	51.80
	70 × 70	0.0080	Twill	0.0063	19.40
	80 × 80	0.0055	Twill	0.0070	31.40
	85 × 70	0.0060	Plain	0.0000	28.40
	100 × 100	0.0020	Plain	0.0080	64.00
NI205	60 × 60	0.0060	Plain	0.0107	41.00
	80 × 80	0.0055	Twill	0.0070	31.40
	85 × 70	0.0060	Plain	0.0000	28.40
	100 × 100	0.0020	Plain	0.0080	64.00
	100 × 100	0.0040	Plain	0.0060	36.00
NI270	50 × 50	0.0670	plain	0.0133	44.2
	60 × 60	0.0040	Plain	0.0127	57.8
	60 × 60	0.0060	Plain	0.0107	41.0
	60 × 60	0.0070	Plain	0.0097	33.6
	75 × 75	0.0060	Plain	0.0073	30.3
	100 × 100	0.0020	Plain	0.0080	64.00
	100 × 100	0.0040	Plain	0.0060	36.00
	100 × 100	0.0045	Plain	0.0060	30.30
	200 × 200	0.0018	Plain	0.0032	41.00

Quality Inspection

Product quality ownership is the most important concern for buyers.

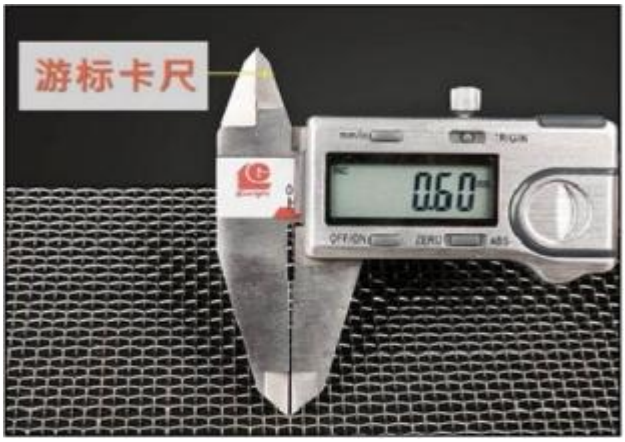
TENDER WIRE MESH, We have strict quality testing for all products produced

2D Plane Imager

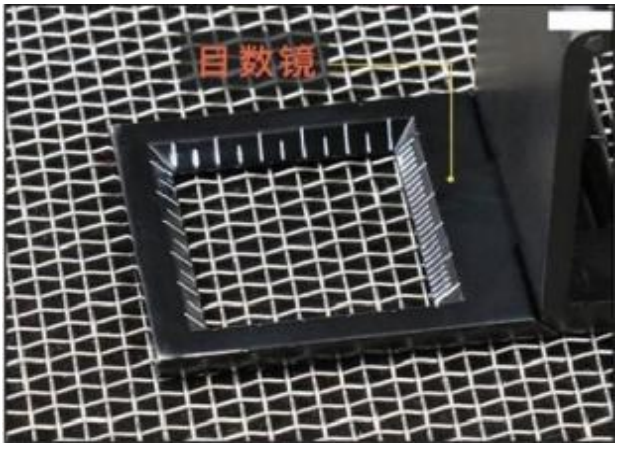
Tensile Testing Machine

Hydrochloric Acid Corrosion Test

Spectral Analyzer

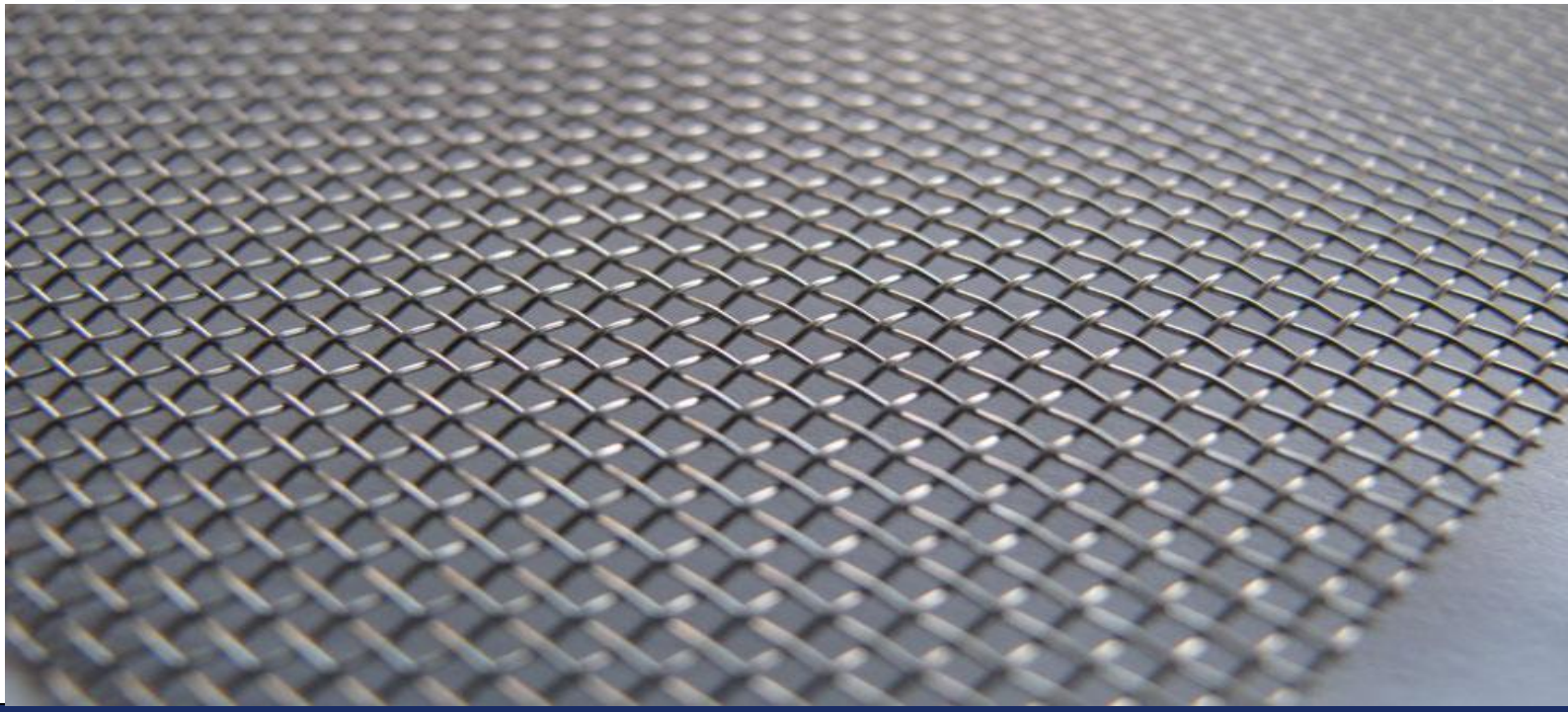


Vernier caliper



Inch mesh mirror

Contact Us



TENDER WIRE MESH, It is the largest manufacturer of metal woven wire mesh in China.

The factory covers an area of 58000 square meters, with 600 sets of various automated machines, over 200 workers, and 20 professional doctoral engineers.We serve over 3000 customers annually and generate sales of 40 million US dollars.

Search for information on other wire mesh products

www.tender-wiremesh.com

Please contact for quotation

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