STAINLESS STEEL WOVENMESH

TENDER WIRE MESH

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Specifications

Stainless steel metal braided wire mesh is the most commonly used braided wire mesh in daily life.

TENDER can produce various types of stainless steel braided wire mesh, such as 304, 304L, 316, 316L, 310, 314, 410, 430 etc

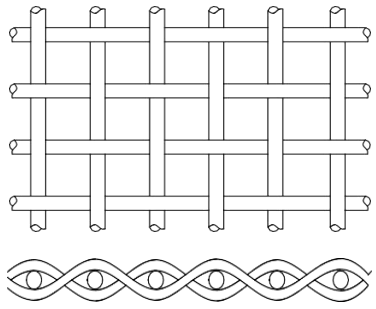
Wire diameter: 0.02–6.30 mm.

Mesh: 1–625 mesh.

Width: standard less than 2000 mm.

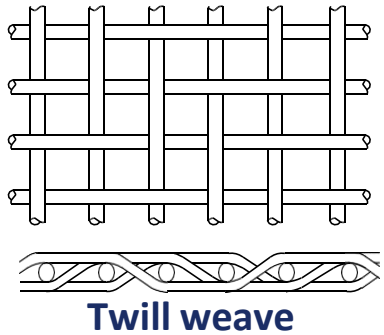
Length: 30 m rolls or cut to length, minimum 2 m.

Weave Type



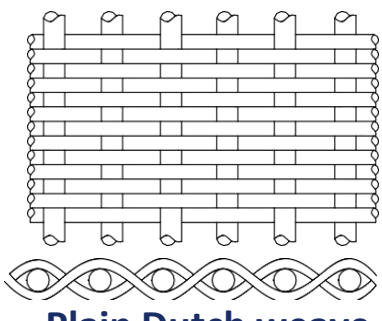
Plain weave

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.



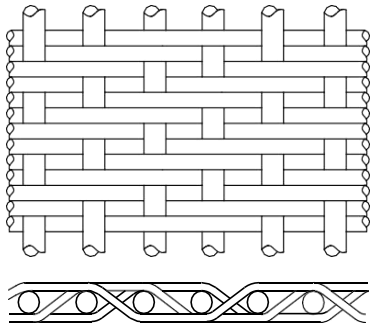
Twill weave

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.



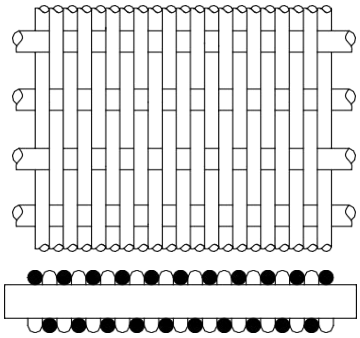
Plain Dutch weave

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.



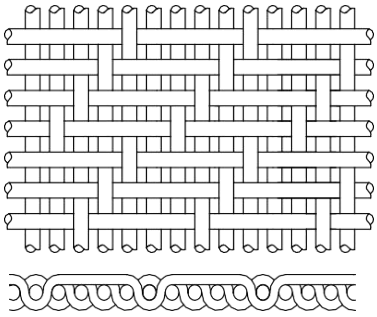
Twill dutch weave

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



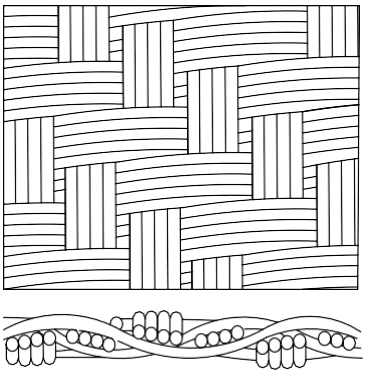
Reverse dutch weave

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

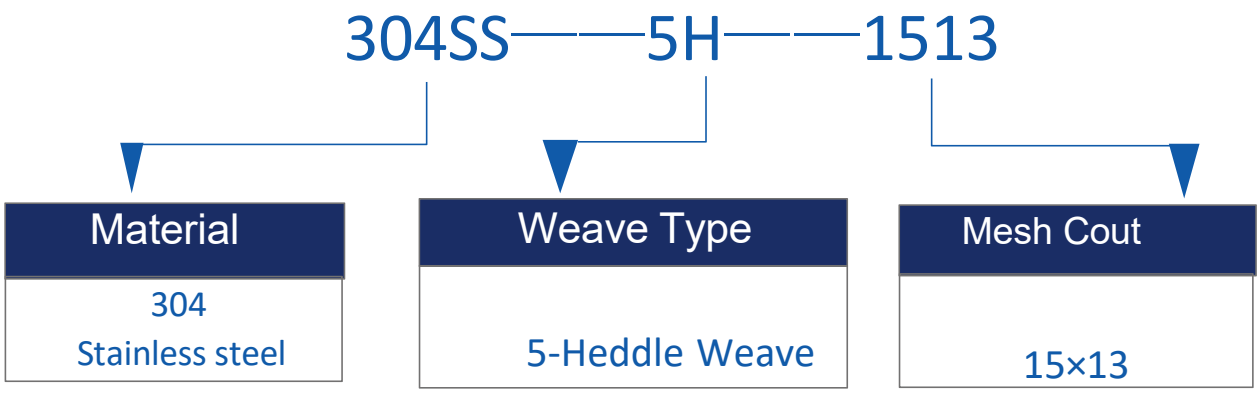
Customized Design and Production Planning

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

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area	Weight (LB/100 Square Foot)
		inch	mm	inch	mm	%	
SS	1 × 1	0.0800	2.0300	0.9200	23.3700	84.60	41.10
SS	2 × 2	0.0630	1.6000	0.4370	11.1000	76.40	51.20
SS	3 × 3	0.0540	1.3700	0.2790	7.0900	70.10	56.70
SS	4 × 4	0.0630	1.6000	0.1870	4.7500	56.00	104.80
SS	4 × 4	0.0470	1.1900	0.2030	5.1600	65.90	57.60
SS	5 × 5	0.0410	1.0400	0.1590	4.0400	63.20	54.90
SS	6 × 6	0.0350	0.8900	0.1320	3.3500	62.70	48.10
SS	8 × 8	0.0280	0.7100	0.0970	2.4600	60.20	41.10
SS	10 × 10	0.0250	0.6400	0.0750	1.9100	56.30	41.20
SS-	10 × 10	0.0200	0.5100	0.0800	2.0300	64.00	26.10
SS	12 × 12	0.0230	0.5840	0.0600	1.5200	51.80	42.20
SS	12 × 12	0.0200	0.5080	0.0630	1.6000	57.20	31.60
SS	14 × 14	0.0230	0.5840	0.0480	1.2200	45.20	49.80
SS	14 × 14	0.0200	0.5080	0.0510	1.3000	51.00	37.20
SS	16 × 16	0.0180	0.4570	0.0445	1.1300	50.70	34.50
SS	18 × 18	0.0170	0.4320	0.0386	0.9800	48.30	34.80
SS	20 × 20	0.0200	0.5080	0.0300	0.7600	36.00	55.20
SS	20 × 20	0.0160	0.4060	0.0340	0.8600	46.20	34.40
SS	24 × 24	0.0140	0.3560	0.0277	0.7000	44.20	31.80
SS	30 × 30	0.0130	0.3300	0.0203	0.5200	37.10	34.80
SS	30 × 30	0.0120	0.3050	0.0213	0.5400	40.80	29.40
SS	30 × 30	0.0090	0.2290	0.0243	0.6200	53.10	16.10
SS	35 × 35	0.0110	0.2790	0.0176	0.4500	37.90	29.00

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area %	Weight (LB/100Square Foot)
		inch	mm	Inch	mm		
SS	40 × 40	0.0100	0.2540	0.0150	0.3800	36.00	27.60
SS	50 × 50	0.0090	0.2290	0.0110	0.2800	30.30	28.40
SS	50 × 50	0.0080	0.2030	0.0120	0.3100	36.00	22.10
SS	60 × 60	0.0075	0.1910	0.0092	0.2300	30.50	23.70
SS	60 × 60	0.0070	0.1780	0.0097	0.2500	33.90	20.40
SS	70 × 70	0.0065	0.1650	0.0078	0.2000	29.80	20.80
SS	80 × 80	0.0065	0.1650	0.0060	0.1500	23.00	23.20
SS	80 × 80	0.0055	0.1400	0.0070	0.1800	31.40	16.90
SS	90 × 90	0.0050	0.1270	0.0061	0.1600	30.10	15.80
SS	100 × 100	0.0045	0.1140	0.0055	0.1400	30.30	14.20
SS	100 × 100	0.0040	0.1020	0.0060	0.1500	36.00	11.00
SS	100 × 100	0.0035	0.0890	0.0065	0.1700	42.30	8.30
SS	110 × 110	0.0040	0.1016	0.0051	0.1295	30.70	12.40
SS	120 × 120	0.0037	0.0940	0.0064	0.1168	30.70	11.60
SS	150 × 150	0.0026	0.0660	0.0041	0.1041	37.40	7.10
SS	160 × 160	0.0025	0.0635	0.0038	0.0965	36.40	5.94
SS	180 × 180	0.0023	0.0584	0.0033	0.0838	34.70	6.70
SS	200 × 200	0.0021	0.0533	0.0029	0.0737	33.60	6.20
SS	250 × 250	0.0016	0.0406	0.0024	0.0610	36.00	4.40
SS	270 × 270	0.0016	0.0406	0.0021	0.0533	32.20	4.70
SS	300 × 300	0.0051	0.0381	0.0018	0.0457	29.70	3.04
SS	325 × 325	0.0014	0.0356	0.0017	0.0432	30.00	4.40
SS	400 × 400	0.0010	0.0254	0.0015	0.3700	36.00	3.30
SS	500 × 500	0.0010	0.0254	0.0010	0.0254	25.00	3.80
SS	635 × 635	0.0008	0.0203	0.0008	0.0203	25.00	2.63

Quality Inspection

Product quality ownership is the most important concern for buyers.

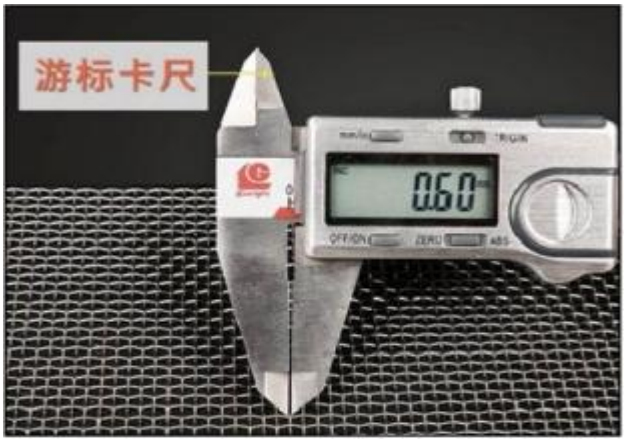
TENDER WIRE MESH, We have strict quality testing for all products produced

2D Plane Imager

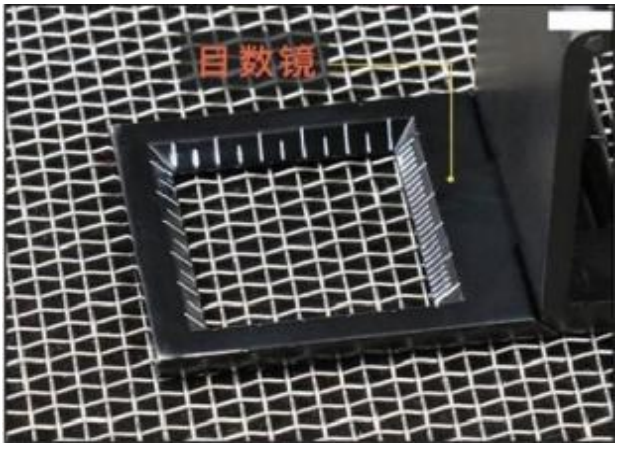
Tensile Testing Machine

Hydrochloric Acid Corrosion Test

Spectral Analyzer

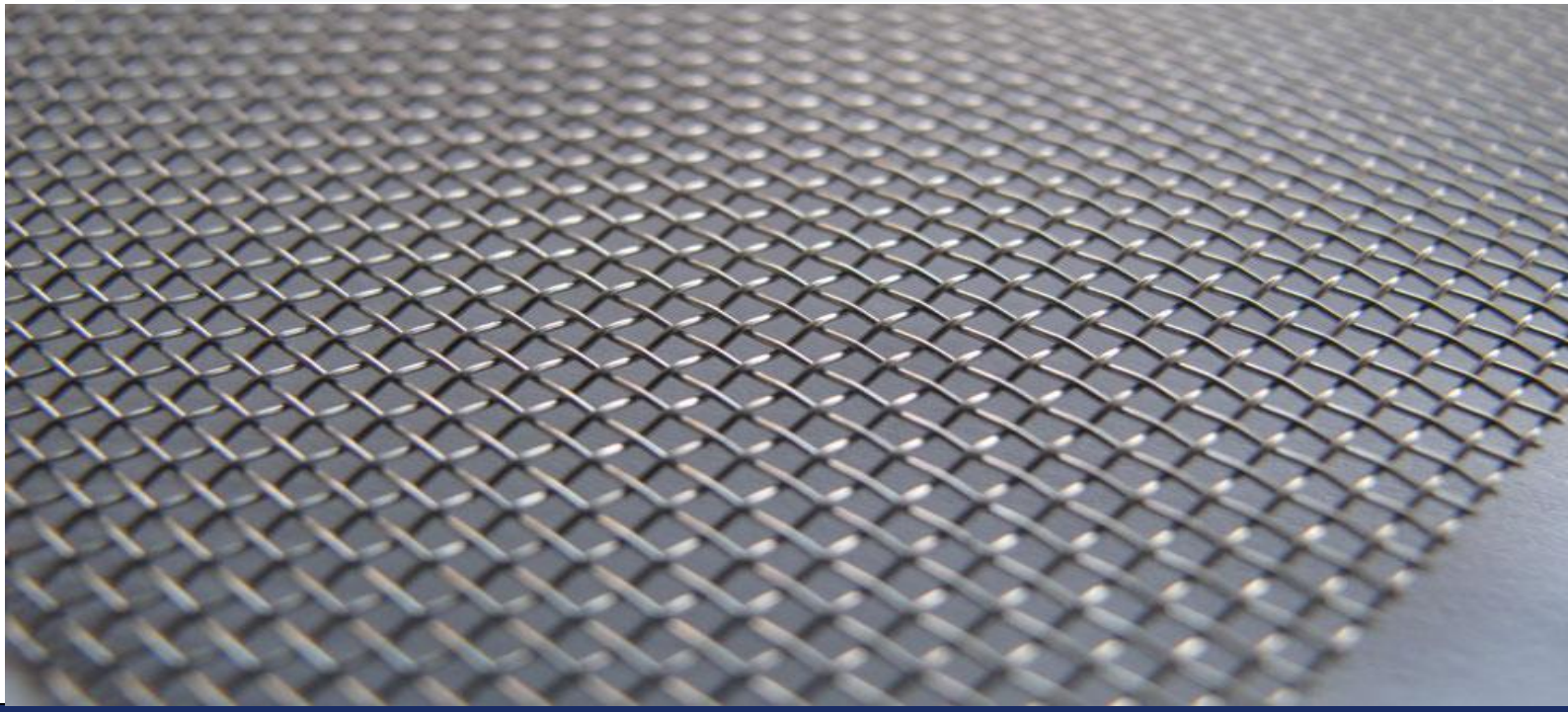


Vernier caliper



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

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