

PRODUCTS YOUR NEED



SERVICE YOU TRUST



**INDUSTRIAL
WOVEN
WIRE CLOTH
CATALOGUE**



DONGMING INDUSTRIAL WOVEN WIRE CLOTH

Wire mesh is an industrial product made from interlocking metal wires. Wire mesh is sometimes also referred to as wire cloth, though they are not the same product in the strictest sense. Technically, wire cloth refers to those interlocking metal wire products that have been welded together in rolls on a loom, while wire mesh refers to those wires that have been sintered or welded together with evenly spaced, regular openings.

We manufacture wire cloth/mesh in all meshes from larger opening to fine mesh filter cloth, with various materials for your applications required. And, we are happy to supply small or larger quantity in roll stock, cut-to-size, slit rolls, aggregate screens, discs, circles, heavy woven mesh or custom weaves. **Most standard specifications are in stock.**

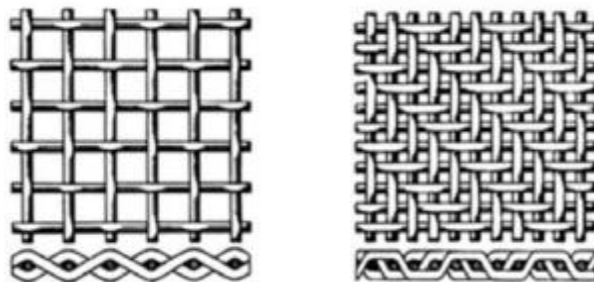
Definitions & Formulae of Wire Cloth

Material	304, 304L, 316, 316L, 321, 904L, Steel, Aluminum, Alloy 20, Alloy 400, Alloy 600, Alloy 601, Alloy 625, Alloy 800, Alloy 825, Alloy C22, Alloy 276, Nickel, Inconel, Bronze, Brass, Copper, Titanium, Chromium, Incoloy, Silver, Monel, Molybdenum, Chromium and etc.
Aperture(w)	Space between adjacent parallel wires, in mm. $(25.4 / n) - d$ 0.003 to 25mm
Wire Diameter(d)	Diameter of wire before weaving, in mm. 0.02mm to 8mm
Mesh Count(n)	Number of apertures per lineal inch measured from the center of one wire to a point 1 inch (25.4 mm) distant. $25.4 / (W + D)$
Pitch(p)	Distance between the centres of two adjacent wires in mm. $w + d$ or $25.4 / n$
Warp wire	Wires running lengthwise in the cloth as woven.
Weft wire	Wires running crosswise in the cloth as woven.
Open Area % S%	The fractional open surface area of the wire cloth in the flow direction. $S = 100w^2 / (W + D^2)$ (applicable for square meshes only).
Porosity	The fractional void volume of the mesh.
Roll width	up to 6.0m
Scope	standard roll, or customer's requirement
Weaving Patterns	Plain Weave, Twill Weave, Dutch weave, Twilled Dutch Weave, Reverse Dutch Weave, Five-Heddle Weave, Crimped weaving and etc.



STAINLESS STEEL WIRE CLOTH

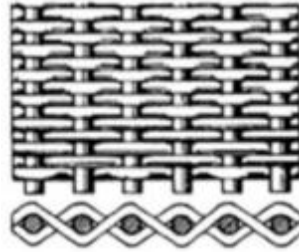
Stainless Steel Wire Cloth
Plain Weave & Twill Weave
Square Holes



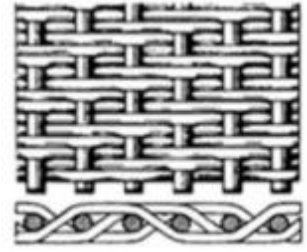
Mesh per inch	Wire Diameter		Width of Opening/ Aperture		Open Area %	Oprox weight for stainless steel (LB)/100 Square Foot
	mm	inches	mm	inches		
1mesh x 1mesh	2	0.08	23.37	0.92	84.6	41.1
2mesh x 2mesh	1.6	0.063	11.1	0.437	76.4	51.2
3mesh x 3mesh	1.37	0.054	7.09	0.279	70.1	56.7
4mesh x 4mesh	1.6	0.063	4.75	0.187	56	104.8
4mesh x 4mesh	1.19	0.047	5.16	0.203	65.9	57.6
5mesh x 5mesh	1	0.041	4.04	0.159	63.2	54.9
6mesh x 6mesh	0.89	0.035	3.35	0.132	62.7	48.1
8mesh x 8mesh	0.71	0.028	2.46	0.097	60.2	41.1
10mesh x 10mesh	0.64	0.025	1.91	0.075	56.3	41.2
10mesh x 10mesh	0.51	0.02	2.03	0.08	64	26.1
12mesh x 12mesh	0.58	0.023	1.52	0.06	51.8	42.2
12mesh x 12mesh	0.5	0.02	1.6	0.063	57.2	31.6
14mesh x 14mesh	0.58	0.023	1.22	0.048	45.2	49.8
14mesh x 14mesh	0.5	0.02	1.3	0.051	51	37.2
16mesh x 16mesh	0.45	0.018	1.13	0.0445	50.7	34.5
18mesh x 18mesh	0.43	0.017	0.98	0.0386	48.3	34.8
20mesh x 20mesh	0.5	0.02	0.76	0.03	36	55.2
20mesh x 20mesh	0.4	0.016	0.86	0.034	46.2	34.4
24mesh x 24mesh	0.35	0.014	0.7	0.0277	44.2	31.8
30mesh x 30mesh	0.33	0.013	0.52	0.0203	37.1	34.8
30mesh x 30mesh	0.3	0.012	0.54	0.0213	40.8	29.4
30mesh x 30mesh	0.23	0.009	0.62	0.0243	53.1	16.1
35mesh x 35mesh	0.28	0.011	0.45	0.0176	37.9	29
40mesh x 40mesh	0.25	0.01	0.38	0.015	36	27.6
50mesh x 50mesh	0.23	0.009	0.28	0.011	30.3	28.4
50mesh x 50mesh	0.2	0.008	0.31	0.012	36	22.1
60mesh x 60mesh	0.18	0.0075	0.23	0.0092	30.5	23.7
60mesh x 60mesh	0.18	0.007	0.25	0.0097	33.9	20.4
70mesh x 70mesh	0.165	0.0065	0.2	0.0078	29.8	20.8
80mesh x 80mesh	0.165	0.0065	0.15	0.006	23	23.2
80mesh x 80mesh	0.14	0.0055	0.18	0.007	31.4	16.9
90mesh x 90mesh	0.12	0.005	0.16	0.0061	30.1	15.8
100mesh x 100mesh	0.11	0.0045	0.14	0.0055	30.3	14.2
100mesh x 100mesh	0.1	0.004	0.15	0.006	36	11
100mesh x 100mesh	0.09	0.0035	0.17	0.0065	42.3	8.3
120mesh x 120mesh	0.09	0.0037	0.1168	0.0064	30.7	11.6
150mesh x 150mesh	0.063	0.0026	0.1041	0.0041	37.4	7.1
180mesh x 180mesh	0.053	0.0023	0.0838	0.0033	34.7	6.7
200mesh x 200mesh	0.053	0.0021	0.0737	0.0029	33.6	6.2
250mesh x 250mesh	0.04	0.0016	0.061	0.0024	36	4.4
300mesh x 300mesh	0.0381	0.0015	0.0457	0.0018	29.7	3.04
325mesh x 325mesh	0.0356	0.0014	0.0432	0.0017	30	4.4
400mesh x 400mesh	0.0254	0.001	0.033	0.0015	36	3.3
450mesh x 450mesh	0.028	0.0011	0.032	0.0011	30	3.5
500mesh x 500mesh	0.025	0.001	0.026	0.001	25	3.8
635mesh x 635mesh	0.0203	0.008	0.0203	0.008	25	2.63

Notes: All the above items of stainless steel material is in stock, special types can be customized made.

PLAIN DUTCH WEAVE STAINLESS STEEL WIRE CLOTH



Plain Dutch Weave

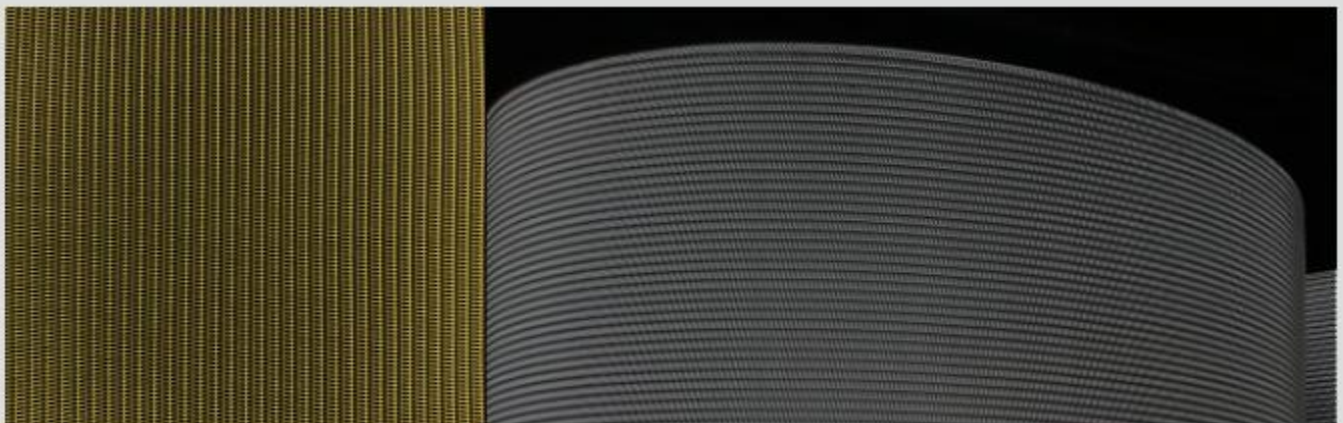


Twilled Dutch Weave

Dutch Weaving Filter Cloth

Plain Dutch Weave

Mesh/Inch	Wire Dia. (MM)	Normal Opening	Material (AISI)
WarpXWeft	WarpXWeft	(μm)	
7mesh x 44mesh	0.71x 0.63	315	304 or 316
8mesh x 60mesh	0.63 X 0.45	300	304 or 316
12mesh x 64mesh	0.58x 0.40	210	304, 316 or steel
24mesh x 110mesh	0.36 x 0.25	150	304, 316 or steel
4mesh x 88mesh	0.50 x 0.33	200	304, 316 or steel
30mesh x 150mesh	0.23 x 0.18	100	304, 316 or steel
40mesh X 200mesh	0.18 X 0.13	80	304 or 316
50mesh x 250mesh	0.14 x 0.11	60	304 or 316
80mesh x 400mesh	0.10 x 0.065	40	304 or 316
78mesh x 700mesh	0.11 x 0.08	30	304 or 316



TWILL DUTCH WEAVE WIRE CLOTH

The term "Twill" indicates the warp and weft wires pass alternately over two and under two wires. The term "Dutch" refers to the use of a heavier warp wire in conjunction with a lighter weft wire. In a Twill Dutch Weave the weft wires are drawn up so tightly that there is always a weft wire above and below the warp wires, creating a weave with the warp wires completely covered. The fow-pass geometry is extremely tortuous, allowing reasonable fow rates while insuring excellent particle size retention.



Dutch Weaving Filter Cloth ,Plain Dutch Weave			
Mesh	Wire Dia. (MM)	Normal Opening(μ m)	Material (AISI)
80mesh x 700mesh	0.11x 0.08	30	304 , 316, 316L
165mesh x 800mesh	0.07 x 0.05	20	304 , 316, 316L
165mesh x 1400mesh	0.063 x 0.04	15	304 , 316, 316L
200mesh x 600mesh	0.05 x 0.032	10	304 , 316, 316L
200mesh x 1400mesh	0.05 x 0.032	10	304 , 316, 316L
250mesh x 1600mesh	0.05 x 0.032	8	304 , 316, 316L
280mesh x 2200mesh	0.05 x 0.032	7	304 , 316, 316L
300mesh x 2100mesh	0.036 x 0.025	6	316L
325mesh x 2300mesh	0.035 x 0.025	4	316L
400mesh x 2800mesh	0.030 x 0.018	3	316L

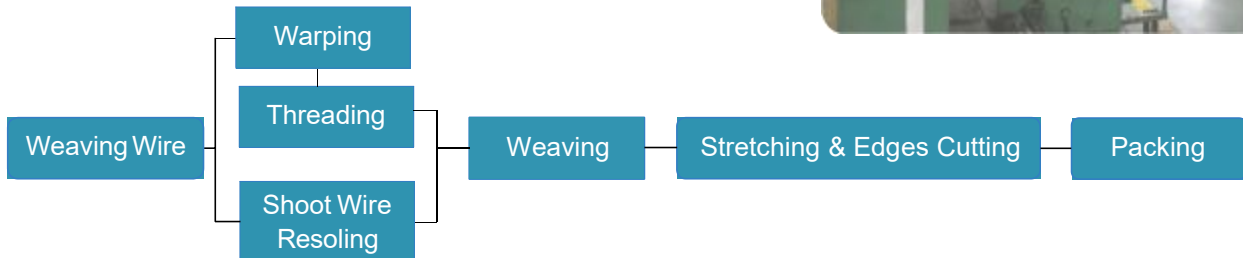
REVERSE DUTCH WEAVE WIRE CLOTH

Reverse Dutch Weave Wire Cloth is one of special weave wire cloth used in the filtration field of plastic industry, chemical industry, etc. Comparing with the normal Plain Dutch weave mesh, the coarser wire in the weft direction and the finer wire in the warp direction, this weave can supply better filtration rate.

Mesh per inch	Wire Dia. (MM)	Material (AISI)
75mesh x 15mesh	0.45x 0.5	304 , 316, 316L
120mesh x 15mesh	0.35x 0.5	304 , 316, 316L
132mesh x 17mesh	0.32x 0.45	304 , 316, 316L
150mesh x 18mesh	0.3 x 0.45	304 , 316, 316L
152mesh x 24mesh	0.28 x 0.4	304 , 316, 316L
160mesh x 18mesh	0.27 x 0.45	304 , 316, 316L
180mesh x 18mesh	0.26 x 0.45	304 , 316, 316L
200mesh x 40 mesh	0.17 x 0.27	304 , 316, 316L
260mesh x 40mesh	0.15 x 0.27	304 , 316, 316L
300mesh x 40mesh	0.14 x 0.25	304 , 316, 316L



PRODUCTION PROCESS & QUALITY CONTROL



Inspection standard of the wire

We check the wire according to the national standard (GB5330-85) and our enterprise regulation about raw material defects and relative solution.



Inspection standard of the mesh

We check quality of end products according to China National Standard GB/T17492-1998, equivalent ISO9044-1990, and our standard.

The major checking items of wire mesh



1. We check the basic data:
wire diameter, mesh counts, roll width and roll length
2. The surface condition:
opening, color, fat or not and defects.
3. The edge of wire mesh should be neat and without defects.



Checking standard if metal reed

The steel reed should be fat and clean, with correct wire going, the inside height, inside length and thickness should be correct.



General Packing

Stainless steel woven wire mesh is rolled around paper tube first, moisture-proof paper outside or plastic fabrics. Customized packing is available.

GENERAL INDUSTRIAL APPLICATION

Stainless steel wire mesh/cloth with its excellent resistance against acid, alkali, heat and corrosion, find extensive uses in processing of oils, chemicals, food, pharmaceuticals, also sorting and screening of solid, liquid and gas in mine, metallurgy, airspace, machine making, etc.



ORDER TIPS

When ordering or enquiring please provide the following information:

- Mesh count or aperture size (and/or open area)
- Wire diameter(s)
- Type and weave of cloth Alloy type
- Number and size of rolls or pieces Application if relevant
- Any tolerances, drawings and/or special instructions Shipping, packing and documentation requirements





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