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DUTCH WOVEN WIRE CLOTH

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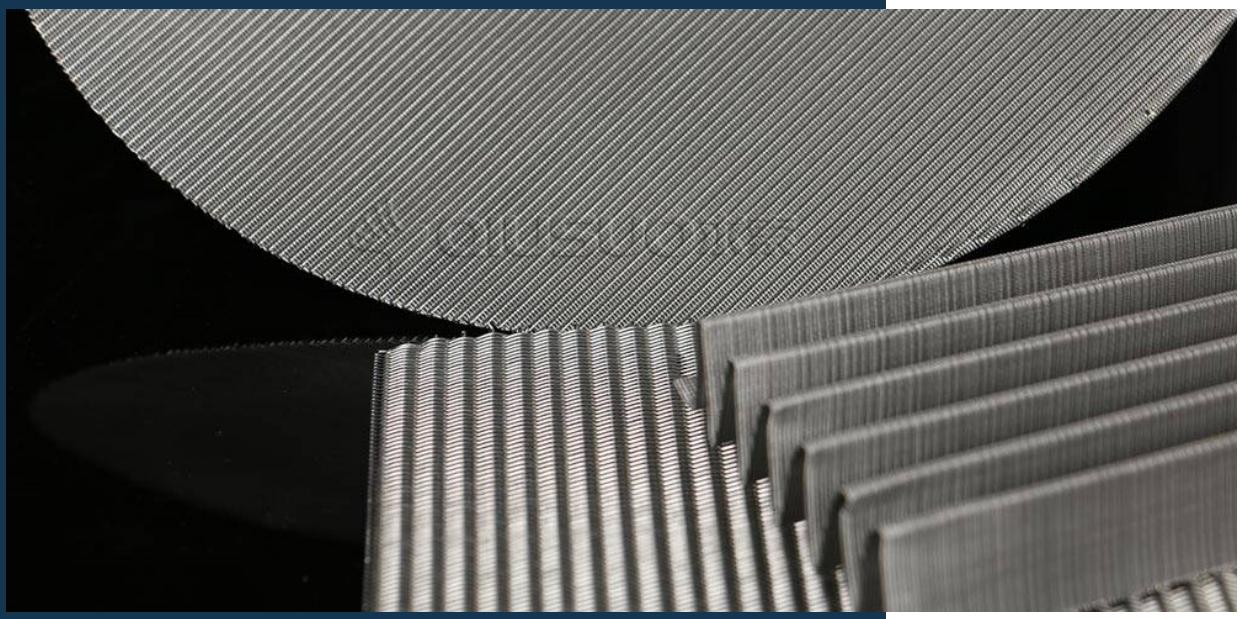


DUTCH WOVEN WIRE CLOTH

Dutch Woven Wire Cloth is made with a combination of big weft wires and small warp wires, this enables a strong wire cloth with super fine filtration.

Dutch weave stainless steel wire cloth is commonly used as industry filter media, offer strength and rigidity along with fine filtration capabilities.

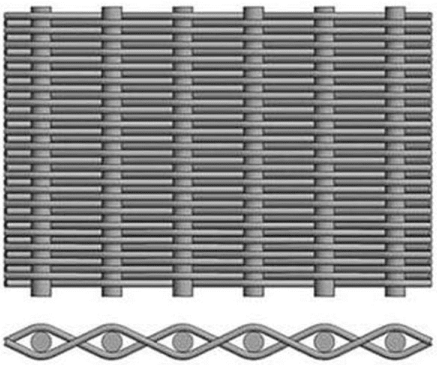
Our Dutch weaving filter cloth is available in various meshes and weaves, including plain Dutch weave, twilled Dutch weave, and reverse Dutch weave. They are available in either 300 series stainless steels, specialized stainless steels and Nickel based Alloys.

PLAIN DUTCH WEAVE WIRE CLOTH

Plain Dutch weave cloth same as plain weaving square mesh, the difference is the diameter of the warp wire is larger than the weft wire.

The plain Dutch weave cloth is formed by weaving a limited number of warps wires with the maximum number of weft wires woven tightly together, producing a cloth with no readily visible aperture. the shape and position of the openings aid particle retention and increase filter cake formation.

Plain Dutch weave mesh is strong and stable, easy to clean and with a good flow rate suitable for high-pressure liquid/solid separation.



Stainless Steels Plain Dutch Weave Wire Cloth Specification

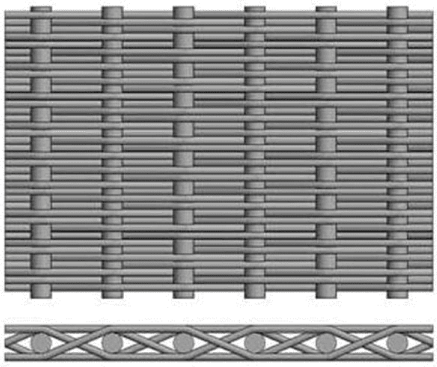
Mesh No.	Wire dia. (warp & weft)		Fineness of	Weight	
	inch	mm	Filtering (micron)	lb./square yard	kg/square meter
8/85	0.0140 × 0.01260	0.355 × 0.320	318–340	0.497	2.43
10/70	0.0240 × 0.01400	0.600 × 0.350	300–325	0.622	3.04
12/64	0.0230 × 0.01650	0.580 × 0.400	295–305	0.744	3.64
14/88	0.0190 × 0.01200	0.500 × 0.330	195–205	0.644	3.15
20/150	0.0098 × 0.00700	0.248 × 0.177	155–165	0.303	1.48
24/110	0.0150 × 0.01000	0.355 × 0.250	145–155	0.552	2.70
24/120	0.0130 × 0.00900	0.330 × 0.230	115–125	0.458	2.24
30/150	0.0090 × 0.00700	0.230 × 0.180	95–105	0.327	1.60
40/200	0.0070 × 0.00550	0.180 × 0.140	75–85	0.266	1.30
50/250	0.0055 × 0.00450	0.140 × 0.114	55–65	0.204	1.00
60/300	0.0055 × 0.00350	0.140 × 0.090	36–40	0.157	0.77
70/400	0.0047 × 0.00256	0.120 × 0.065	36–40	0.138	0.67
80/300	0.0049 × 0.00350	0.125 × 0.090	38–42	0.200	0.98
80/400	0.0049 × 0.00280	0.125 × 0.071	38–42	0.166	0.81

TWILLED DUTCH WEAVE WIRE CLOTH

Dutch weave is similar to plain Dutch weave, except that the wires cross two under and two over, allowing heavier wires and higher mesh counts.

In a twill Dutch weaving wire mesh, 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.

Twilled Dutch weaves offer even greater strength and finer filtration ratings. In a twilled weave, the flow-pass geometry is extremely tortuous, allowing reasonable flow rates while insuring excellent particle size retention.



Stainless Steels Twill Dutch Weave Wire Cloth Specification

Mesh No.	Wire dia. (warp & weft)		Fineness of	Weight	
	inch	mm	Filtering (micron)	lb./square yard	kg/square meter
20/200	0.0135 × 0.0105	0.300 × 0.270	138	0.804	3.93
24/220	0.0135 × 0.0100	0.300 × 0.250	105-112	0.814	3.98
20/250	0.0098 × 0.0079	0.250 × 0.200	98-105	0.575	2.81
30/360	0.0100 × 0.0060	0.250 × 0.150	80-84	0.509	2.49
40/560	0.0070 × 0.0040	0.180 × 0.100	47-52	0.352	1.72
50/500	0.0055 × 0.0043	0.140 × 0.110	37-45	0.360	1.76
80/700	0.0040 × 0.0030	0.100 × 0.080	24-26	0.270	1.32
120/160	0.0040 × 0.0025	0.100 × 0.063	28-32	0.094	0.46
120/400	0.0040 × 0.0025	0.100 × 0.063	37-43	0.143	0.70
165/800	0.0028 × 0.0020	0.071 × 0.050	14-16	0.148	0.72
165/1400	0.0028 × 0.0016	0.071 × 0.040	9-11	0.157	0.77
200/600	0.0024 × 0.0018	0.061 × 0.046	19-21	0.103	0.50
200/1400	0.0028 × 0.0016	0.071 × 0.040	5-6	0.170	0.83
250/2000	0.0015 × 0.0011	0.040 × 0.028	4-5	0.100	0.49
325/2300	0.0014 × 0.0010	0.035 × 0.025	2-3	0.094	0.46
400/2800	0.0011 × 0.0009	0.028 × 0.022	1-2	0.083	0.41
400/3200	0.0010 × 0.0007	0.030 × 0.019	1	0.075	0.37
500/3500	0.0009 × 0.0006	0.025 × 0.017	1	0.067	0.33

FEATURE

We offer a wide range of metals and alloys to provide the best material or combination of materials for the Dutch weaving wire cloth filter mesh. Common used types in stock and Special specifications can be customized upon customers' requirements.

Dutch Weave Metal wire mesh have the many advantages than square opening wire mesh, it is a best micronic filter media.

- Allowing reasonable flow rates while insuring excellent particle size retention.
- Flexible with excellent filtration performance
- High hardness, good load strength, suitable for high-pressure liquid/solid separation.
- High temperature resistance
- Corrosion and rust resistance.
- Zero aperture, Light-proof woven.
- High resistance due to tight wire position.
- Extreme low absolute grade of fineness (down to 2– 3 μm).
- Acid and alkali resistance.

Ceiling Panels

APPLICATIONS

- Aerospace. Used as a precision filtration medium in hydraulic and fuel systems.
- Petroleum & chemical. Used for filtration and separation in various chemical reactions and production processes.
- Chemical fiber. Used as a screen for polymer melt filtration.
- Pharmaceuticals. Used as an ultrafiltration medium for raw materials and formulations.
- Gas filtration. Used in various gas filtration and purification systems.
- Food & beverage. Used for fine filtration of liquids and solid particles.
- Plastic extrusion. Used as a filter screen in extruders and in automatic screen changer devices.

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