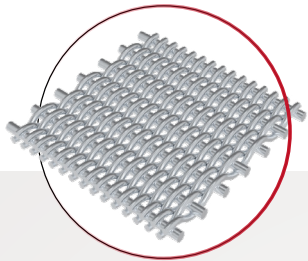


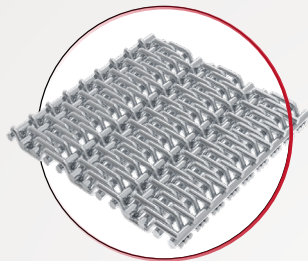
Woven Filter Cloth

Woven filter cloth, also known as industrial metal filter cloth, generally is manufactured with closely spaced wires to offer enhanced mechanical strength for industrial filtration. We offer a full range of industrial metal filter cloth in plain dutch, twill dutch and reverse dutch weave. With filter rating ranges from 5 μm to 400 μm , our woven filter clothes are produced in a wide combinations of materials, wire diameters and opening sizes to adapt to different filtration demands. It is widely used in various filtration applications, such as filter elements, melt & polymer filters and extruder filters.



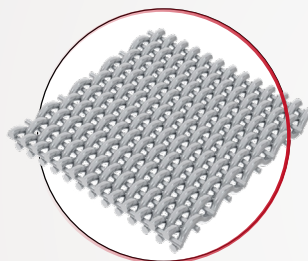
PLAIN DUTCH WEAVE

This simple dutch weave is the most common filter cloth. Generally, the diameter of warp wire is larger than the weft wire. Warp and weft wires are interwoven closely together at set intervals. It is ideally suited for filtration applications, as well as the separation of slurry and liquid materials.



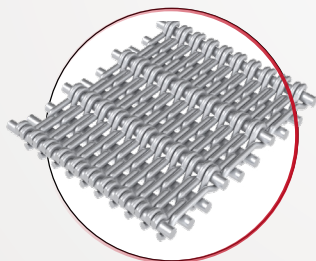
TWILL DUTCH WEAVE

This weave type offers a significant upgrade in strength over plain dutch weave wire cloth. It actually combines the Dutch and twill weaving process to produce an extremely fine mesh filtering cloth that is created by passing weft wires over and under two warp wires. As a result, it is suitable for various liquid and gas filtration applications.



REVERSE DUTCH WEAVE

This weave type is in a reverse of the plain dutch weave wire arrangement. The diameter of warp wire is smaller than the weft wire. Warp and weft wires are interwoven closely together at set intervals. It is well-suited for high pressure vertical and horizontal filter leaf applications where backwashing and filter cake removal are important.



3-HEDDLE TWILL DUTCH WEAVE

Similar like 3-heddle weave, this type of weave has a larger diameter of warp wire than the weft wire. Besides, weft wires are closely arranged, leaving no gaps between weft wires. As a result, it is suitable for filtration applications that require high filtration accuracy and heavy load bearing capacity.

SPECIFICATIONS

Material: stainless steel 304, 304L, 316, 316L, 321, 430, 317L, 904L, etc.

Filter rating: 2–400 µm

Stainless Steel Woven Mesh – Plain Dutch Weave

Mesh Count	Wire Diameter		Absolute Filter Rating µm	Nominal Filter Rating µm	Max. Width mm
	inch	mm			
8 × 85	0.0140" × 0.0126"	0.36 × 0.32	300–320	310	2000
12 × 64	0.0240" × 0.0165"	0.61 × 0.42	260–280	250	2000
12 × 90	0.0178" × 0.0120"	0.45 × 0.30	270–300	211	2000
14 × 88	0.0200" × 0.0130"	0.51 × 0.33	255–275	250	2000
14 × 100	0.0160" × 0.0110"	0.41 × 0.28	235–260	182	2000
16 × 80	0.0170" × 0.0135"	0.43 × 0.34	210–230	260	2000
16 × 100	0.0157" × 0.0110"	0.40 × 0.28	200–220	160	2000
16 × 120	0.0140" × 0.0094"	0.36 × 0.24	180–198	150	2000
20 × 150	0.0098" × 0.0070"	0.25 × 0.18	155–185	120	2000
24 × 110	0.0150" × 0.0100"	0.38 × 0.25	115–128	110	2000
30 × 150	0.0090" × 0.0070"	0.23 × 0.18	90–105	90	2000
30 × 280	0.0110" × 0.0037"	0.28 × 0.09	100–110	100	2000
40 × 200	0.0070" × 0.0055"	0.18 × 0.14	70–80	70	2000
40 × 340	0.0098" × 0.0030"	0.25 × 0.08	78–84	75	2000
50 × 250	0.0055" × 0.0045"	0.14 × 0.11	52–57	55	2000
50 × 280	0.0055" × 0.0040"	0.14 × 0.10	50–55	50	2000
50 × 460	0.0078" × 0.0023"	0.20 × 0.06	60–65	60	1300
60 × 500	0.0065" × 0.0020"	0.17 × 0.05	48–54	50	1300
70 × 350	0.0050" × 0.0030"	0.13 × 0.08	41–47	35	1300
70 × 620	0.0060" × 0.0018"	0.15 × 0.05	45–48	45	1300
80 × 300	0.0050" × 0.0035"	0.13 × 0.09	45–50	45	1300
80 × 400	0.0050" × 0.0028"	0.13 × 0.07	40–45	40	1300
80 × 700	0.0040" × 0.0013"	0.10 × 0.03	35–44	35	1300



Manufacturing & Test Standard

+ ASTM E2814-11 Standard Guide for Industrial Woven Wire Filter Cloth

+ ASTM E2814-18 Standard Specification for Industrial Woven Wire Filter Cloth

+ SAE ARP901 Bubble-Point Test Method-Filter Cloth Micron Testing

Stainless Steel Woven Mesh – Twill Dutch Weave

Mesh Count	Wire Diameter		Absolute Filter Rating µm	Nominal Filter Rating µm	Max. Width mm
	inch	mm			
20 × 250	0.0100" × 0.0080"	0.254" × 0.200"	100–118	100	2000
30 × 360	0.0100" × 0.0060"	0.254" × 0.152"	95–105	90	2000
40 × 560	0.0070" × 0.0040"	0.178" × 0.102"	75–83	65	2000
50 × 250	0.0100" × 0.0080"	0.254" × 0.200"	55–60	50	2000
80 × 700	0.0040" × 0.0030"	0.102" × 0.076"	35–38	35	1600
200 × 600	0.0024" × 0.0018"	0.061" × 0.046"	28–32	30	1600
165 × 800	0.0028" × 0.0020"	0.071" × 0.051"	25–39	25	1300
165 × 1400	0.0028" × 0.0016"	0.071" × 0.041"	16–18	15	1300
200 × 1400	0.0028" × 0.0016"	0.071" × 0.041"	12–14	10	1300
250 × 1400	0.0022" × 0.0016"	0.056" × 0.041"	11–13	9	1300
325 × 2300	0.0015" × 0.0010"	0.038" × 0.025"	8–9	5	1300
400 × 2800	0.0011" × 0.0008"	0.028" × 0.020"	4–5	2	1300
500 × 3600	0.0010" × 0.0006"	0.025" × 0.015"	2–3	1	1300

Stainless Steel Woven Mesh – Reverse Dutch Weave

Mesh Count	Wire Diameter		Absolute Filter Rating µm	Nominal Filter Rating µm	Max. Width mm
	inch	mm			
130 × 30	0.0079" × 0.0177"	0.200" × 0.450"	100–110	100	1800
128 × 36	0.0079" × 0.0157"	0.200" × 0.400"	80–90	80	1800
175 × 50	0.0059" × 0.0118"	0.150" × 0.300"	60–70	60	1300
290 × 60	0.0035" × 0.0090"	0.090" × 0.230"	43–51	51	1300
290 × 74	0.0035" × 0.0079"	0.090" × 0.200"	38–45	40	1300
625 × 105	0.0016" × 0.0055"	0.042" × 0.140"	23–28	25	1300
630 × 134	0.0015" × 0.0051"	0.040" × 0.130"	18–23	17	1300
720 × 150	0.0013" × 0.0043"	0.035" × 0.110"	16–20	14	1300
48 × 10	0.0200" × 0.0200"	0.500" × 0.500"	350–450	400	1300
72 × 15	0.0200" × 0.0200"	0.500" × 0.500"	250–350	300	1300
132 × 16	0.0140" × 0.0180"	0.352" × 0.457"	210–260	250	1300
132 × 18	0.0140" × 0.0179"	0.355" × 0.455"	180–220	200	1300
152 × 24	0.0120" × 0.0140"	0.315" × 0.350"	115–130	165	1300
260 × 40	0.0059" × 0.0086"	0.150" × 0.220"	80–95	125	1300
325 × 39	0.0059" × 0.0120"	0.150" × 0.300"	45–75	55	1300
345 × 45	0.0055" × 0.0090"	0.140" × 0.230"	40–65	50	1300
400 × 120	0.0026" × 0.0040"	0.065" × 0.100"	60–70	60	1300