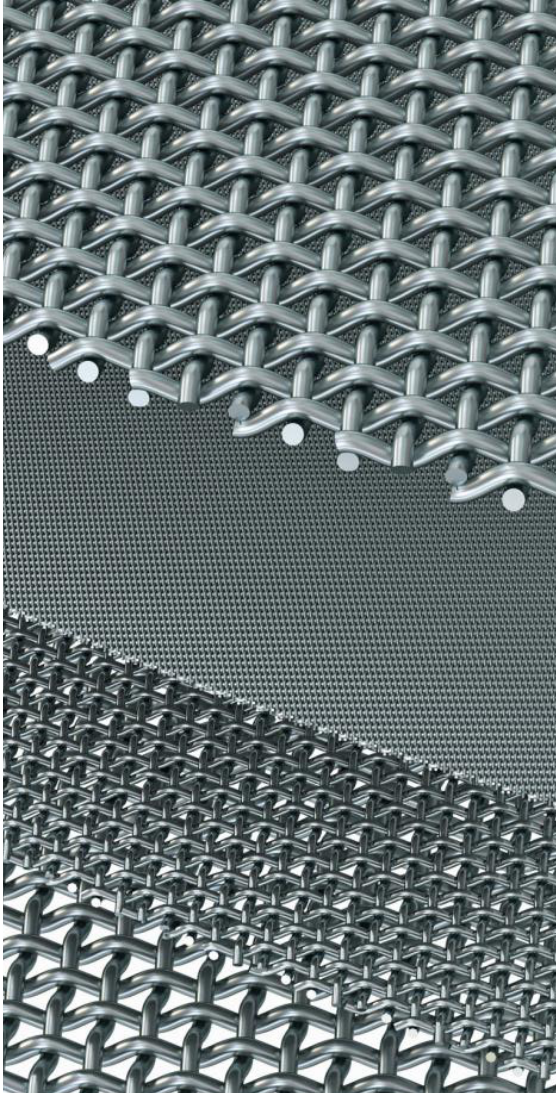

WOVEN MESH

Weave Impossible to Possible

BOEDON Industech Limited

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BOEDON Brochaure

BOEDON

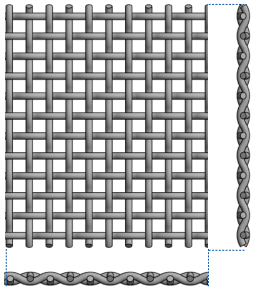
We offer **woven mesh** with different weave types to give our customers more choices during the **filter manufacturing** process.

Woven mesh is constructed from high quality stainless steel wires, nickel wires, copper wires, brass wires, Monel wires, Hastelloy wires and other metal wires by using advanced weave technology. It features high temperature resistance, good corrosion resistance, high tensile strength and great abrasion resistance. In addition, its precise opening size also ensures a stable filter rating.

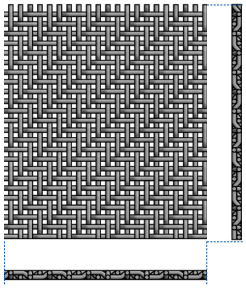
As one of the main filter materials, woven mesh can be fabricated into round, belt, cylinder, pleated, and other shape filter elements and are widely used in the separation and filtration of petroleum, chemical, pharmaceuticals, food and other industries.

WOVEN MESH

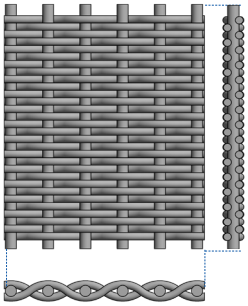
Weave Type



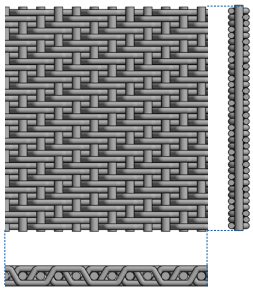
Plain Weave



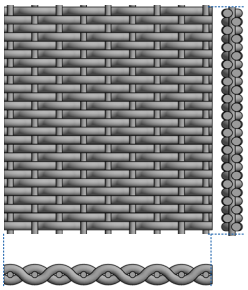
Twill Weave



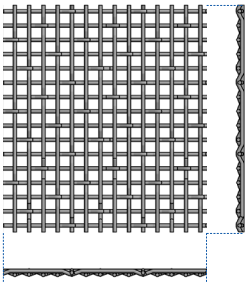
Plain Dutch Weave



Twill Dutch Weave



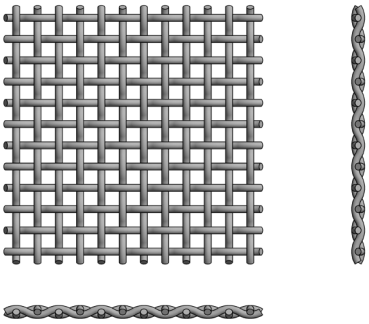
Reverse Dutch Weave



5-Heddle Weave

Plain Weave

The simplest and most commonly used type with square openings. It is woven by alternating the weft wire over and under the warp wire. The weft wire and warp wire are in the same diameter, delivering uniform opening sizes. It is often used for weaving coarse mesh and typically serves as the protection layer of coarse filtration and filter media.



BD — P — 11

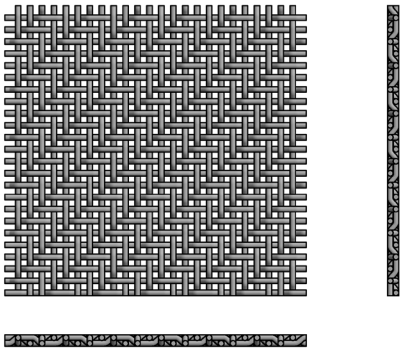
Company	Weave Type	Mesh Cout
Boedon	Plain Weave	1×1

Item	Mesh Count	Wire Diameter		Mesh Opening		Open Area
-	Warp/Inch × Weft/Inch	Inch	mm	Inch	mm	%
BD-P-11	1 × 1	0.08	2.03	0.92	23.37	84.6
BD-P-22	2 × 2	0.063	1.6	0.437	11.1	76.4
BD-P-33	3 × 3	0.054	1.37	0.279	7.09	70.1
BD-P-44	4 × 4	0.063	1.6	0.187	4.75	56
BD-P-44	4 × 4	0.047	1.19	0.203	5.16	65.9
BD-P-55	5 × 5	0.041	1.04	0.159	4.04	63.2
BD-P-66	6 × 6	0.035	0.89	0.132	3.35	62.7
BD-P-88	8 × 8	0.028	0.71	0.097	2.46	60.2
BD-P-1010	10 × 10	0.025	0.64	0.075	1.91	56.3
BD-P-1010	10 × 10	0.02	0.51	0.08	2.03	64
BD-P-1212	12 × 12	0.023	0.584	0.06	1.52	51.8
BD-P-1212	12 × 12	0.02	0.508	0.063	1.6	57.2
BD-P-1414	14 × 14	0.023	0.584	0.048	1.22	45.2
BD-P-1414	14 × 14	0.02	0.508	0.051	1.3	51
BD-P-1616	16 × 16	0.018	0.457	0.0445	1.13	50.7
BD-P-1818	18 × 18	0.017	0.432	0.0386	0.98	48.3
BD-P-2020	20 × 20	0.02	0.508	0.03	0.76	36
BD-P-2020	20 × 20	0.016	0.406	0.034	0.86	46.2
BD-P-2424	24 × 24	0.014	0.356	0.0277	0.7	44.2
BD-P-3030	30 × 30	0.013	0.33	0.0203	0.52	37.1
BD-P-3030	30 × 30	0.012	0.305	0.0213	0.54	40.8
BD-P-3030	30 × 30	0.009	0.229	0.0243	0.62	53.1
BD-P-3535	35 × 35	0.011	0.279	0.0176	0.45	37.9
BD-P-4040	40 × 40	0.01	0.254	0.015	0.38	36
BD-P-5050	50 × 50	0.009	0.229	0.011	0.28	30.3
BD-P-5050	50 × 50	0.008	0.203	0.012	0.31	36
BD-P-6060	60 × 60	0.0075	0.191	0.0092	0.23	30.5
BD-P-6060	60 × 60	0.007	0.178	0.0097	0.25	33.9
BD-P-7070	70 × 70	0.0065	0.165	0.0078	0.2	29.8
BD-P-8080	80 × 80	0.0065	0.165	0.006	0.15	23
BD-P-8080	80 × 80	0.0055	0.14	0.007	0.18	31.4
BD-P-9090	90 × 90	0.005	0.127	0.0061	0.16	30.1
BD-P-100100	100 × 100	0.0045	0.114	0.0055	0.14	30.3
BD-P-100100	100 × 100	0.004	0.102	0.006	0.15	36
BD-P-100100	100 × 100	0.0035	0.089	0.0065	0.17	42.3
BD-P-110110	110 × 110	0.004	0.1016	0.0051	0.1295	30.7
BD-P-120120	120 × 120	0.0037	0.094	0.0064	0.1168	30.7
BD-P-150150	150 × 150	0.0026	0.066	0.0041	0.1041	37.4
BD-P-160160	160 × 160	0.0025	0.0635	0.0038	0.0965	36.4
BD-P-180180	180 × 180	0.0023	0.0584	0.0033	0.0838	34.7
BD-P-200200	200 × 200	0.0021	0.0533	0.0029	0.0737	33.6
BD-P-250250	250 × 250	0.0016	0.0406	0.0024	0.061	36
BD-P-270270	270 × 270	0.0016	0.0406	0.0021	0.0533	32.2
BD-P-300300	300 × 300	0.0051	0.0381	0.0018	0.0457	29.7
BD-P-325325	325 × 325	0.0014	0.0356	0.0017	0.0432	30
BD-P-400400	400 × 400	0.001	0.0254	0.0015	0.37	36

WOVEN MESH

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.



BD — T — 150150

Company	Weave Type	Mesh Cout
Boedon	Twill Weave	150×150

Item	Mesh Count	Wire Diameter	Mesh Opening	Open Area
-	Warp/Inch × Weft/Inch	mm	Inch	%
BD-T-150150	150 × 150	0.07	0.0993	34.4
BD-T-165165	165 × 165	0.058	0.0959	38.83
BD-T-180180	180 × 180	0.058	0.0831	34.69
BD-T-200200	200 × 200	0.058	0.069	29.52
BD-T-225225	225 × 225	0.05	0.069	33.62
BD-T-235235	235 × 235	0.045	0.0631	34.07
BD-T-250250	250 × 250	0.04	0.0616	36.76
BD-T-270270	270 × 270	0.04	0.0541	33.05
BD-T-280280	280 × 280	0.04	0.0507	31.25
BD-T-300300	300 × 300	0.035	0.0497	34.43
BD-T-300300	300 × 300	0.038	0.0467	30.4
BD-T-300300	300 × 300	0.04	0.0447	27.85
BD-T-315315	315 × 315	0.035	0.0456	32.01
BD-T-325325	325 × 325	0.035	0.0432	30.52
BD-T-350350	350 × 350	0.035	0.0376	26.82
BD-T-350350	350 × 350	0.03	0.0426	34.43
BD-T-363363	363 × 363	0.03	0.04	32.65
BD-T-385385	385 × 385	0.03	0.0377	31.01
BD-T-400400	400 × 400	0.025	0.0385	36.76
BD-T-400400	400 × 400	0.028	0.0355	31.25
BD-T-400400	400 × 400	0.03	0.0335	27.83
BD-T-420420	420 × 420	0.03	0.0302	25.17
BD-T-450450	450 × 450	0.025	0.0314	31
BD-T-500500	500 × 500	0.025	0.0258	25.79
BD-T-510510	510 × 510	0.025	0.0248	24.8
BD-T-530530	530 × 530	0.024	0.0239	24.9
BD-T-635635	635 × 635	0.018	0.022	30.25
BD-T-635635	635 × 635	0.02	0.02	25
BD-T-800800	800 × 800	0.016	0.0164	25.62

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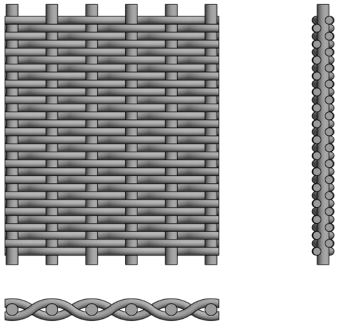
WOVEN MESH

Plain Dutch Weave

Similar to plain weave, but 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 that has higher filter rating and strength than plain weave. Besides, it also forms tapered or wedge-shaped openings. 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.



BD — PD — 885

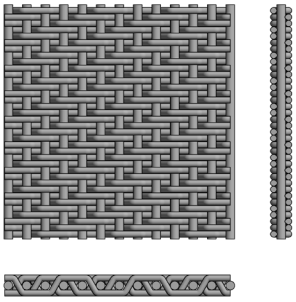
Company	Weave Type	Mesh Cout
Boedon	Plain Dutch Weave	8×85

Item	Mesh Count	Wire Diameter	Wire Diameter	Filter Rating	Weight	Weight
-	Warp/Inch × Weft/Inch	inch	mm	μm	lb/yd^2	kg/m^2
BD-PD-885	8 × 85	0.0140 × 0.01260	0.355 × 0.320	318–340	0.497	2.43
BD-PD-1070	10 × 70	0.0240 × 0.01400	0.600 × 0.350	300–325	0.622	3.04
BD-PD-1264	12 × 64	0.0230 × 0.01650	0.580 × 0.400	295–305	0.744	3.64
BD-PD-1488	14 × 88	0.0190 × 0.01200	0.500 × 0.330	195–205	0.644	3.15
BD-PD-20150	20 × 150	0.0098 × 0.00700	0.248 × 0.177	155–165	0.303	1.48
BD-PD-24110	24 × 110	0.0150 × 0.01000	0.355 × 0.250	145–155	0.552	2.7
BD-PD-24120	24 × 120	0.0130 × 0.00900	0.330 × 0.230	115–125	0.458	2.24
BD-PD-30150	30 × 150	0.0090 × 0.00700	0.230 × 0.180	95–105	0.327	1.6
BD-PD-40200	40 × 200	0.0070 × 0.00550	0.180 × 0.140	75–85	0.266	1.3
BD-PD-50250	50 × 250	0.0055 × 0.00450	0.140 × 0.114	55–65	0.204	1
BD-PD-60300	60 × 300	0.0055 × 0.00350	0.140 × 0.090	36–40	0.157	0.77
BD-PD-70400	70 × 400	0.0047 × 0.00256	0.120 × 0.065	36–40	0.138	0.67
BD-PD-80300	80 × 300	0.0049 × 0.00350	0.125 × 0.090	38–42	0.2	0.98
BD-PD-80400	80 × 400	0.0049 × 0.00280	0.125 × 0.071	38–42	0.166	0.81

WOVEN 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 mesh as the filtration layer of the metal sintered mesh.



BD — TD — 20200

Company	Weave Type	Mesh Cout
Boedon	Twill Dutch Weave	20×200

Item	Mesh Count	Wire Diameter	Wire Diameter	Filter Rating	Weight	Weight
-	Warp/Inch × Weft/Inch	inch	mm	μm	lb/yd^2	kg/m^2
BD-TD-20200	20 × 200	0.0135 × 0.0105	0.30 × 0.27	138	0.804	3.93
BD-TD-24220	24 × 220	0.0135 × 0.0100	0.30 × 0.25	105–112	0.814	3.98
BD-TD-2050	20 × 50	0.0098 × 0.0079	0.25 × 0.20	98–105	0.575	2.81
BD-TD-30360	30 × 360	0.0100 × 0.0060	0.02 × 0.15	80–84	0.509	2.49
BD-TD-40560	40 × 560	0.0070 × 0.0040	0.18 × 0.10	47–52	0.352	1.72
BD-TD-50500	50 × 500	0.0055 × 0.0043	0.14 × 0.11	37–45	0.36	1.76
BD-TD-80700	80 × 700	0.0040 × 0.0030	0.10 × 0.08	24–26	0.27	1.32
BD-TD-120160	120 × 160	0.0040 × 0.0025	0.10 × 0.063	28–32	0.094	0.46
BD-TD-120400	120 × 400	0.0040 × 0.0025	0.10 × 0.063	3–43	0.143	0.7
BD-TD-165800	165 × 800	0.0028 × 0.0020	0.071 × 0.05	14–16	0.148	0.72
BD-TD-1651400	165 × 1400	0.0028 × 0.0016	0.071 × 0.04	9–11	0.157	0.77
BD-TD-200600	200 × 600	0.0024 × 0.0018	0.061 × 0.046	19–21	0.103	0.5
BD-TD-2001400	200 × 1400	0.0028 × 0.0016	0.071 × 0.04	5–6	0.17	0.83
BD-TD-3252300	325 × 2300	0.0014 × 0.0010	0.035 × 0.025	2–3	0.094	0.46
BD-TD-4002800	400 × 2800	0.0012 × 0.0007	0.030 × 0.018	1–2	0.065	0.32

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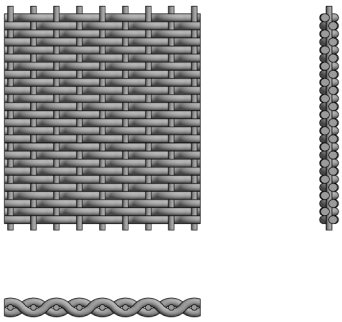
WOVEN MESH

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.



BD — RD — 4810

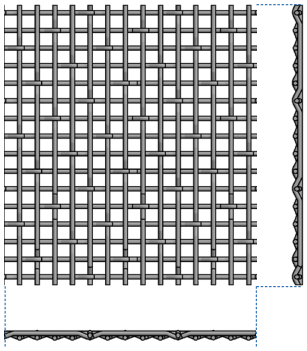
Company	Weave Type	Mesh Cout
Boedon	Reverse Dutch Weave	48×10

Item	Mesh Count	Wire Diameter	Wire Diameter	Filter Rating	Weight	Weight
-	Warp/Inch × Weft/Inch	inch	mm	μm	lb/yd^2	kg/m^2
BD-RD-4810	48 × 10	0.50 × 0.50	0.020 × 0.020	400	0.742	3.63
BD-RD-6318	63 × 18	0.40 × 0.60	0.016 × 0.024	220	0.847	4.14
BD-RD-7215	72 × 15	0.45 × 0.55	0.018 × 0.022	250	0.978	4.78
BD-RD-10016	100 × 16	0.35 × 0.45	0.014 × 0.018	190	0.791	3.87
BD-RD-10720	107 × 20	0.24 × 0.60	0.009 × 0.024	210	0.683	3.34
BD-RD-12016	120 × 16	0.35 × 0.45	0.014 × 0.018	180	0.918	4.49
BD-RD-13217	132 × 17	0.32 × 0.45	0.013 × 0.018	170	0.867	4.24
BD-RD-15224	152 × 24	0.27 × 0.40	0.011 × 0.016	160	0.763	3.73
BD-RD-16017	160 × 17	0.27 × 0.45	0.011 × 0.018	160	0.413	2.02
BD-RD-17018	170 × 18	0.27 × 0.45	0.011 × 0.018	160	0.826	4.01
BD-RD-17146	171 × 46	0.15 × 0.30	0.006 × 0.012	130	0.409	2
BD-RD-18020	180 × 20	0.27 × 0.45	0.011 × 0.018	170	0.877	4.29
BD-RD-20040	200 × 40	0.17 × 0.27	0.007 × 0.011	120	0.444	2.17
BD-RD-24040	240 × 40	0.15 × 0.25	0.006 × 0.010	70	0.405	1.98
BD-RD-26040	260 × 40	0.15 × 0.27	0.006 × 0.011	55	0.448	2.19
BD-RD-29076	290 × 76	0.09 × 0.19	0.004 × 0.007	40	0.26	1.27
BD-RD-30040	300 × 40	0.15 × 0.25	0.006 × 0.010	50	0.472	2.31
BD-RD-30080	300 × 80	0.15 × 0.20	0.006 × 0.010	35	0.509	2.49

WOVEN MESH

5-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.



BD — 5H — 1513

Company	Weave Type	Mesh Cout
Boedon	5-Heddle Weave	15×13

Item	Mesh Count	Wire Diameter	Wire Diameter	Filter Rating	Weight	Weight
-	Warp/Inch × Weft/Inch	inch	mm	μm	lb/yd^2	kg/m^2
BD-5H-1513	15 × 13	0.9 × 0.9	1.15–1.20	0.85	2.6	5.67
BD-5H-2420	24 × 20	0.6 × 0.6	0.65–0.75	0.49	1.7	3.96
BD-5H-2817	28 × 17	0.47 × 0.47	0.75–0.80	0.46	1.41	2.53
BD-5H-3018	30 × 18	0.5 × 0.5	0.60–0.65	0.37	1.48	3
BD-5H-4825	48 × 25	0.3 × 0.3	0.46–0.50	0.25	0.82	1.64
BD-5H-4845	48 × 45	0.29 × 0.29	0.24–0.26	0.23	0.83	2
BD-5H-5536	55 × 36	0.3 × 0.3	0.25–0.28	0.175	0.84	2.05
BD-5H-6536	65 × 36	0.3 × 0.3	0.26–0.29	0.1	0.84	2.27
BD-5H-7740	77 × 40	0.24 × 0.24	0.38–0.40	0.095	0.68	1.65
BD-5H-8060	80 × 60	0.2 × 0.2	0.20–0.22	0.127	0.55	1.4
BD-5H-10759	107 × 59	0.16 × 0.16	0.16–0.18	0.077	0.45	1.09
BD-5H-107125	107 × 125	0.16 × 0.14	0.065–0.08	0.07	0.45	1.27
BD-5H-107132	107 × 132	0.16 × 0.14	0.055–0.065	0.055	0.44	1.3
BD-5H-13285	132 × 85	0.14 × 0.2	0.09–0.11	0.052	0.44	1.47

BOEDON

WOVEN MESH

Material

Stainless Steel

It includes 304, 304L, 316, 316L and other stainless steel materials, featuring rust resistance, corrosion resistance, acid and alkali resistance, high strength, durable, etc. It is widely used in liquid, gas and solid filtration applications.

It can be fabricated into filter discs, filter tubes and other filter elements or work as the protection layer to protect the main filtration layer.

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area	Weight (LB/100 Square Foot)
		inch	mm	inch	mm	%	
SS-1	1 × 1	0.0800	2.0300	0.9200	23.3700	84.60	41.10
SS-2	2 × 2	0.0630	1.6000	0.4370	11.1000	76.40	51.20
SS-3	3 × 3	0.0540	1.3700	0.2790	7.0900	70.10	56.70
SS-4	4 × 4	0.0630	1.6000	0.1870	4.7500	56.00	104.80
SS-5	4 × 4	0.0470	1.1900	0.2030	5.1600	65.90	57.60
SS-6	5 × 5	0.0410	1.0400	0.1590	4.0400	63.20	54.90
SS-7	6 × 6	0.0350	0.8900	0.1320	3.3500	62.70	48.10
SS-8	8 × 8	0.0280	0.7100	0.0970	2.4600	60.20	41.10
SS-9	10 × 10	0.0250	0.6400	0.0750	1.9100	56.30	41.20
SS-10	10 × 10	0.0200	0.5100	0.0800	2.0300	64.00	26.10
SS-11	12 × 12	0.0230	0.5840	0.0600	1.5200	51.80	42.20
SS-12	12 × 12	0.0200	0.5080	0.0630	1.6000	57.20	31.60
SS-13	14 × 14	0.0230	0.5840	0.0480	1.2200	45.20	49.80
SS-14	14 × 14	0.0200	0.5080	0.0510	1.3000	51.00	37.20
SS-15	16 × 16	0.0180	0.4570	0.0445	1.1300	50.70	34.50
SS-16	18 × 18	0.0170	0.4320	0.0386	0.9800	48.30	34.80
SS-17	20 × 20	0.0200	0.5080	0.0300	0.7600	36.00	55.20
SS-18	20 × 20	0.0160	0.4060	0.0340	0.8600	46.20	34.40

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area	Weight (LB/100 Square Foot)
		inch	mm	inch	mm	%	
SS-19	24 × 24	0.0140	0.3560	0.0277	0.7000	44.20	31.80
SS-20	30 × 30	0.0130	0.3300	0.0203	0.5200	37.10	34.80
SS-21	30 × 30	0.0120	0.3050	0.0213	0.5400	40.80	29.40
SS-22	30 × 30	0.0090	0.2290	0.0243	0.6200	53.10	16.10
SS-23	35 × 35	0.0110	0.2790	0.0176	0.4500	37.90	29.00
SS-24	40 × 40	0.0100	0.2540	0.0150	0.3800	36.00	27.60
SS-25	50 × 50	0.0090	0.2290	0.0110	0.2800	30.30	28.40
SS-26	50 × 50	0.0080	0.2030	0.0120	0.3100	36.00	22.10
SS-27	60 × 60	0.0075	0.1910	0.0092	0.2300	30.50	23.70
SS-28	60 × 60	0.0070	0.1780	0.0097	0.2500	33.90	20.40
SS-29	70 × 70	0.0065	0.1650	0.0078	0.2000	29.80	20.80
SS-30	80 × 80	0.0065	0.1650	0.0060	0.1500	23.00	23.20
SS-31	80 × 80	0.0055	0.1400	0.0070	0.1800	31.40	16.90
SS-32	90 × 90	0.0050	0.1270	0.0061	0.1600	30.10	15.80
SS-33	100 × 100	0.0045	0.1140	0.0055	0.1400	30.30	14.20
SS-34	100 × 100	0.0040	0.1020	0.0060	0.1500	36.00	11.00
SS-35	100 × 100	0.0035	0.0890	0.0065	0.1700	42.30	8.30
SS-36	110 × 110	0.0040	0.1016	0.0051	0.1295	30.70	12.40
SS-37	120 × 120	0.0037	0.0940	0.0064	0.1168	30.70	11.60
SS-38	150 × 150	0.0026	0.0660	0.0041	0.1041	37.40	7.10
SS-39	160 × 160	0.0025	0.0635	0.0038	0.0965	36.40	5.94
SS-40	180 × 180	0.0023	0.0584	0.0033	0.0838	34.70	6.70
SS-41	200 × 200	0.0021	0.0533	0.0029	0.0737	33.60	6.20
SS-42	250 × 250	0.0016	0.0406	0.0024	0.0610	36.00	4.40
SS-43	270 × 270	0.0016	0.0406	0.0021	0.0533	32.20	4.70
SS-44	300 × 300	0.0051	0.0381	0.0018	0.0457	29.70	3.04
SS-45	325 × 325	0.0014	0.0356	0.0017	0.0432	30.00	4.40
SS-46	400 × 400	0.0010	0.0254	0.0015	0.3700	36.00	3.30
SS-47	500 × 500	0.0010	0.0254	0.0010	0.0254	25.00	3.80
SS-48	635 × 635	0.0008	0.0203	0.0008	0.0203	25.00	2.63

BOEDON

WOVEN MESH

Material

Copper

It is 99.8% purity, featuring acid and alkali resistance, wear resistance, non-magnetic, sound insulation and good ductility.
It can be used as shielding screen in the circuits, laboratories and computer rooms. Shielding effectiveness calculator also illustrates the difference between copper wire meshes at various radio frequencies. In addition, it can be installed on buildings for sound insulation or is fabricated into polymer extruder screen for polymer filtration.

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area
		inch	mm	inch	mm	%
copper-1	1 × 1	0.0800	2.0300	0.9200	23.370	85
copper-2	1 × 1	0.1180	3.0000	0.8820	22.400	78
copper-3	2 × 2	0.0630	1.6000	0.4370	11.100	76
copper-4	2 × 2	0.0590	1.5000	0.4410	11.200	78
copper-5	3 × 3	0.0540	1.3700	0.2790	7.090	70
copper-6	3 × 3	0.0470	1.2000	0.2860	7.270	74
copper-7	4 × 4	0.0390	1.0000	0.2110	5.350	71
copper-8	4 × 4	0.0470	1.1900	0.2030	5.160	66
copper-9	4 × 4	0.0630	1.6000	0.1870	4.750	56
copper-10	5 × 5	0.0390	1.0000	0.1610	4.080	65
copper-11	5 × 5	0.0410	1.0400	0.1590	4.040	63
copper-12	6 × 6	0.0350	0.9000	0.1310	3.330	62
copper-13	6 × 6	0.0350	0.8900	0.1320	3.350	62
copper-14	7 × 7	0.0310	0.8000	0.1110	2.830	61
copper-15	8 × 8	0.0280	0.7100	0.0970	2.460	60
copper-16	10 × 10	0.0250	0.6400	0.0750	1.910	56
copper-17	10 × 10	0.0240	0.6000	0.0760	1.940	58
copper-18	12 × 12	0.0230	0.5840	0.0600	1.520	52
copper-19	12 × 12	0.0200	0.5080	0.0630	1.600	58
copper-20	12 × 12	0.0220	0.5500	0.0620	1.570	55
copper-21	14 × 14	0.0230	0.5840	0.0480	1.220	46
copper-22	14 × 14	0.0200	0.5080	0.0510	1.300	52

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area %
		inch	mm	inch	mm	
copper-23	16 × 16	0.0180	0.4570	0.0445	1.130	51
copper-24	16 × 16	0.0200	0.5000	0.0430	1.090	47
copper-25	18 × 18	0.0170	0.4320	0.0386	0.980	48
copper-26	18 × 18	0.0200	0.5000	0.0360	0.910	42
copper-27	20 × 20	0.0200	0.5080	0.0300	0.760	36
copper-28	20 × 20	0.0160	0.4060	0.0340	0.860	46
copper-29	20 × 20	0.0160	0.4000	0.0340	0.870	47
copper-30	20 × 20	0.0180	0.4500	0.0320	0.820	42
copper-31	24 × 24	0.0140	0.3560	0.0277	0.700	44
copper-32	24 × 24	0.0140	0.3500	0.0280	0.710	45
copper-33	30 × 30	0.0130	0.3300	0.0203	0.520	37
copper-34	30 × 30	0.0120	0.3050	0.0213	0.540	41
copper-35	30 × 30	0.0090	0.2290	0.0243	0.620	53
copper-36	30 × 30	0.0100	0.2500	0.0230	0.600	50
copper-37	40 × 40	0.0100	0.2540	0.0150	0.380	36
copper-38	40 × 40	0.0080	0.2000	0.0170	0.440	47
copper-39	50 × 50	0.0090	0.2290	0.0110	0.280	30
copper-40	50 × 50	0.0080	0.2030	0.0120	0.310	37
copper-41	50 × 50	0.0070	0.1800	0.0130	0.330	42
copper-42	60 × 60	0.0075	0.1910	0.0092	0.230	30
copper-43	60 × 60	0.0070	0.1780	0.0097	0.250	34
copper-44	60 × 60	0.0060	0.1600	0.0100	0.260	38
copper-45	60 × 60	0.0070	0.1900	0.0090	0.230	30
copper-46	70 × 70	0.0065	0.1650	0.0078	0.200	30
copper-47	70 × 70	0.0050	0.1200	0.0100	0.240	44
copper-48	80 × 80	0.0065	0.1650	0.0060	0.150	23
copper-49	80 × 80	0.0050	0.1200	0.0080	0.200	39
copper-50	80 × 80	0.0050	0.1300	0.0070	0.190	35
copper-51	90 × 90	0.0050	0.1270	0.0061	0.160	31
copper-52	100 × 100	0.0045	0.1140	0.0055	0.140	30
copper-53	100 × 100	0.0040	0.1020	0.0060	0.150	35
copper-54	100 × 100	0.0035	0.0890	0.0065	0.170	43
copper-55	100 × 100	0.0040	0.1000	0.0080	0.150	36
copper-56	100 × 100	0.0040	0.1100	0.0060	0.140	31
copper-57	110 × 110	0.0040	0.1020	0.0051	0.130	31
copper-58	120 × 120	0.0037	0.0940	0.0064	0.120	31
copper-59	120 × 120	0.0020	0.0600	0.0070	0.180	56
copper-60	120 × 120	0.0040	0.0900	0.0050	0.120	33
copper-61	120 × 120	0.0020	0.0580	0.0080	0.150	52
copper-62	120 × 120	0.0030	0.0800	0.0050	0.130	38

BOEDON

Item	Mesh/Inch	Wire Diameter		Aperture		Open Area %
		inch	mm	inch	mm	
copper-63	140 × 140	0.0030	0.0700	0.0040	0.110	37
copper-64	145 × 145	0.0020	0.0450	0.0050	0.130	55
copper-65	150 × 150	0.0026	0.0660	0.0041	0.100	37
copper-66	150 × 150	0.0020	0.0600	0.0040	0.110	42
copper-67	150 × 150	0.0020	0.0500	0.0050	0.120	50
copper-68	160 × 160	0.0025	0.0640	0.0038	0.100	36
copper-69	160 × 160	0.0020	0.0500	0.0040	0.110	47
copper-70	160 × 160	0.0020	0.0400	0.0050	0.120	56
copper-71	160 × 160	0.0010	0.0350	0.0050	0.120	60
copper-72	165 × 165	0.0020	0.0500	0.0040	0.100	44
copper-73	180 × 180	0.0023	0.0580	0.0033	0.080	35
copper-74	180 × 180	0.0020	0.0500	0.0040	0.090	41
copper-75	180 × 180	0.0020	0.0400	0.0040	0.100	51
copper-76	200 × 200	0.0021	0.0530	0.0029	0.070	34
copper-77	200 × 200	0.0020	0.0530	0.0030	0.070	32
copper-78	200 × 200	0.0020	0.0500	0.0030	0.080	38
copper-79	200 × 200	0.0020	0.0400	0.0030	0.090	48
copper-80	220 × 220	0.0020	0.0500	0.0030	0.070	34
copper-81	230 × 230	0.0010	0.0350	0.0030	0.080	48
copper-82	230 × 230	0.0010	0.0300	0.0030	0.080	53
copper-83	250 × 250	0.0016	0.0410	0.0024	0.060	36
copper-84	250 × 250	0.0020	0.0400	0.0020	0.060	36
copper-85	250 × 250	0.0010	0.0350	0.0030	0.070	44
copper-86	250 × 250	0.0010	0.0300	0.0030	0.070	49
copper-87	270 × 270	0.0016	0.0410	0.0021	0.050	32
copper-88	270 × 270	0.0010	0.0350	0.0020	0.060	40
copper-89	270 × 270	0.0010	0.0300	0.0030	0.060	44
copper-90	280 × 280	0.0010	0.0350	0.0020	0.060	40
copper-91	300 × 300	0.0051	0.0380	0.0018	0.050	30
copper-92	300 × 300	0.0010	0.0300	0.0020	0.050	39
copper-93	315 × 315	0.0350	0.0010	0.0456	0.002	32
copper-94	325 × 325	0.0014	0.0360	0.0017	0.043	30
copper-95	325 × 325	0.0350	0.0010	0.0432	0.002	30
copper-96	350 × 350	0.0350	0.0010	0.0376	0.002	27
copper-97	350 × 350	0.0300	0.0010	0.0426	0.002	34
copper-98	363 × 363	0.0300	0.0010	0.0400	0.002	33
copper-99	400 × 400	0.0010	0.0250	0.0015	0.370	88
copper-100	400 × 400	0.0250	0.0010	0.0385	0.002	36
copper-101	400 × 400	0.0280	0.0010	0.0355	0.001	31
copper-102	400 × 400	0.0300	0.0010	0.0335	0.001	27

Brass

It contains 65% copper and 35% zinc, featuring excellent filtration performance, bright color and smooth surface.

It can be as filtration materials, such as the filter disc or filter tube in the chemical, pharmacy and other fields, or used in paper-making dewatering, or used as the insect screen or window screen in home, hotel and other places.

Item	Mesh (wires/in.)	Wire Diameter (in.)	Width of Opening (in)	Open Area (%)
brass-1	2 × 2	0.0630	0.437	76.4
brass-2	3 × 3	0.0630	0.270	65.6
brass-3	4 × 4	0.0630	0.187	56.0
brass-4	4 × 4	0.0470	0.203	65.9
brass-5	6 × 6	0.0350	0.132	62.7
brass-6	8 × 8	0.0280	0.097	60.2
brass-7	10 × 10	0.0250	0.075	56.3
brass-8	12 × 12	0.0230	0.060	51.8
brass-9	14 × 14	0.0200	0.051	51.0
brass-10	16 × 16	0.0180	0.045	50.7
brass-11	18 × 18	0.0170	0.039	48.3
brass-12	20 × 20	0.0160	0.034	46.2
brass-13	24 × 24	0.0140	0.028	44.2
brass-14	30 × 30	0.0130	0.020	37.1
brass-15	40 × 40	0.0100	0.015	36.0
brass-16	50 × 50	0.0090	0.011	30.3
brass-17	60 × 60	0.0075	0.009	30.5
brass-18	80 × 80	0.0055	0.007	31.4
brass-19	100 × 100	0.0045	0.006	30.3

BOEDON

Nickel

It is a sliver-white metal with high electrical conductivity, thermal conductivity, ductility and corrosion resistance. Nickel woven mesh is constructed from nickel wires with high purity not less than 99%.

Nickel woven mesh plays an very important role in the fields of electrolytic hydrogen production, new energy and fuel cell technology and is widely used as filter materials in mining, oil, chemical, food, pharmaceutical and mechanical industries.

Chemical Composition of Nickel

Type	C (%)	Cu (%)	Fe (%)	Mn (%)	Ni (%)	S (%)	Si (%)	Co (%)	Cr (%)	Mg (%)	Ti (%)
Nickel 200	0.015	0.25	0.40	0.35	99.0	0.01	0.35	-	-	-	-
Nickel 205	0.02	0.001	0.005	0.001	99.97	0.001	0.001	0.001	0.001	0.001	0.001
Nickel 270	0.15	0.15	0.20	0.35	99.0	0.008	0.15	-	0.01-0.05	0.01-0.08	-

Item	Mesh Count	Wire Diameter (in.)	Weave Type	Width Opening (in.)	Open Area (%)
Specification of Nickel200 Woven Mesh					
NI200-1	8 × 8	0.0280	Plain	0.0970	60.20
NI200-2	10 × 10	0.0200	Plain	0.0800	64.00
NI200-3	12 × 12	0.0140	Plain	0.0693	69.20
NI200-4	16 × 16	0.0120	Plain	0.0505	65.30
NI200-5	16 × 16	0.0140	Plain	0.0485	60.20
NI200-6	20 × 20	0.0045	Plain	0.0455	82.80
NI200-7	20 × 20	0.0070	Plain	0.0430	74.00
NI200-8	20 × 20	0.0140	Plain	0.0360	51.80
NI200-9	25 × 25	0.0060	Plain	0.0190	57.80
NI200-10	26 × 26	0.0100	Plain	0.0285	54.80
NI200-11	30 × 30	0.0130	Plain	0.0203	37.20
NI200-12	40 × 40	0.0060	Plain	0.0190	57.80
NI200-13	40 × 40	0.0100	Plain	0.0150	36.00
NI200-14	50 × 50	0.0020	Plain	0.0180	81.00
NI200-15	60 × 60	0.0070	Plain	0.0097	33.60
NI200-16	60 × 60	0.0105	Twill	0.0062	13.70
NI200-17	60 × 60	0.0100	Twill	0.0057	11.60
NI200-18	70 × 70	0.0040	Plain	0.0103	51.80
NI200-19	70 × 70	0.0045	Plain	0.0098	46.90
NI200-20	70 × 70	0.0080	Twill	0.0063	19.40
NI200-21	80 × 80	0.0055	Twill	0.0070	31.40
NI200-22	85 × 70	0.0060	Plain	0.0000	28.40
NI200-23	100 × 100	0.0020	Plain	0.0080	64.00
NI200-24	100 × 100	0.0040	Plain	0.0060	36.00
NI200-25	100 × 100	0.0045	Plain	0.0060	30.30
NI200-26	200 × 200	0.0018	Plain	0.0032	41.00
Specification of Nickel205 Woven Mesh					
NI205-1	60 × 60	0.0060	Plain	0.0107	41.00
Specification of Nickel270 Woven Mesh					
NI270-1	50 × 50	0.0670	plain	0.0133	44.2
NI270-2	60 × 60	0.0040	Plain	0.0127	57.8
NI270-3	60 × 60	0.0060	Plain	0.0107	41.0
NI270-4	60 × 60	0.0070	Plain	0.0097	33.6
NI270-5	75 × 75	0.0060	Plain	0.0073	30.3

Monel

It is divided into Monel alloy 400 and Monel alloy K500. Alloy 400 has outstanding corrosion resistance performance while alloy K500 has higher tensile strength and hardness than Monel alloy 400 due to the addition of aluminum.

Monel woven mesh has excellent corrosion resistance performance and is widely used in the marine industries, such as the piping system and strainer baskets. It can also be used in petrochemical industries.

Chemical Composition of Monel

Type	C (%)	Mn (%)	Si (%)	S (%)	Cu (%)	Fe (%)	Ni (%)	Al (%)	Ti (%)
Monel 400	≤0.30	≤2.0	≤0.50	≤0.024	28.0-34.0	≤2.50	≥63.0	-	-
Monel K-500	≤0.25	≤1.5	≤0.50	≤0.01	27.0-33.0	≤2.0	≥63.0	2.3-3.15	0.35-0.85

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Monel-1	8 × 8	0.0280	0.0970	60.2
Monel-2	10 × 10	0.0250	0.0750	56.3
Monel-3	12 × 12	0.0230	0.0600	51.8
Monel-4	20 × 20	0.0160	0.0340	46.2
Monel-5	30 × 30	0.0130	0.0203	37.2
Monel-6	40 × 40	0.0100	0.0150	36.0
Monel-7	60 × 60	0.0072	0.0090	30.5
Monel-8	80 × 80	0.0055	0.0070	31.4
Monel-9	100 × 100	0.0045	0.0060	30.3
Monel-10	120 × 120	0.0036	0.0047	32.3
Monel-11	150 × 150	0.0026	0.0041	37.2
Monel-12	200 × 200	0.0021	0.0533	33.6

BOEDON

Hastelloy

It is an alloy of nickel, molybdenum and chromium. It is the best corrosion resistant materials among all metal materials and has great chemical stability.

It is widely used in drugs manufacturing, chlorination devices, pesticide processing, incineration scrubber apparatus, etc.

Chemical Composition of Hastelloy

Type	C (%)	Co (%)	Cr (%)	Cu (%)	Fe (%)	Mn (%)	Mo (%)	Ni (%)	P (%)	S (%)	Si (%)	Sn (%)	V (%)	W (%)
H-B	0.12	2.5	1.00	-	6.0	1.0	26.0-30.0	Rem.	0.01	-	0.03	-	0.6	-
H-C22	0.015	2.5	14.5-20.0	-	2.0-6.0	0.5	12.8-14.5	Rem.	-	0.02	0.08	-	0.35	-
H-C276	0.02	2.5	14.5-16.5	-	4.0-7.0	1.0	15.0-17.0	Rem.	0.03	0.03	0.08	-	0.35	3.0-4.5
H-X	0.08	-	17.0-20.0	1.0	Rem.	2.0	-	34.0-37.0	0.03	0.03	0.75-1.50	0.025	-	-

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Specification of Hastelloy B Woven Mesh				
HB-01	16 × 16	0.0140	0.0490	60.2
HB-02	30 × 30	0.0085	0.0250	55.4
HB-03	30 × 30	0.0106	0.0227	46.5
HB-04	60 × 60	0.0072	0.0090	30.5
HB-05	200 × 200	0.0020	0.0030	36.0
Specification of Hastelloy C276 Woven Mesh				
HC276-01	6 × 6	0.0470	0.1200	51.8
HC276-02	8 × 8	0.0320	0.0930	55.4
HC276-03	10 × 10	0.0250	0.0750	56.3
HC276-04	12 × 12	0.0230	0.0600	51.8
HC276-05	12 × 12	0.0160	0.0670	64.5
HC276-06	12 × 12	0.0150	0.0680	66.6
HC276-07	14 × 14	0.0200	0.0510	51.0
HC276-08	16 × 16	0.0180	0.0450	50.7
HC276-09	16 × 16	0.0090	0.0535	73.3
HC276-10	20 × 20	0.0230	0.0270	29.2
HC276-11	20 × 20	0.0160	0.0340	46.2
HC276-12	20 × 20	0.0090	0.0410	67.2
HC276-13	24 × 24	0.0140	0.0280	44.2
HC276-14	30 × 30	0.0130	0.0200	37.1

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
HC276-15	30 × 30	0.0090	0.0240	53.1
HC276-16	40 × 40	0.0100	0.0150	36.0
HC276-17	40 × 40	0.0090	0.0160	41.0
HC276-18	40 × 40	0.0075	0.0180	49.0
HC276-19	50 × 50	0.0090	0.0110	30.3
HC276-20	60 × 60	0.0072	0.0090	30.5
HC276-21	60 × 60	0.0044	0.0123	54.2
HC276-22	80 × 80	0.0070	0.0060	19.4
HC276-23	80 × 80	0.0010	0.0085	46.2
HC276-24	100 × 100	0.0010	0.0060	36.0
HC276-25	120 × 120 T	0.0040	0.0043	27.0
HC276-26	180 × 180	0.0020	0.0036	41.0
HC276-27	200 × 200	0.0023	0.0027	48.0
HC276-28	200 × 200	0.0020	0.0030	36.0
Specification of Hastelloy X Woven Mesh				
HX-01	10 × 10	0.0250	0.0750	56.3
HX-02	18 × 18	0.0090	0.0470	70.4
HX-03	20 × 20	0.0160	0.0340	46.2
HX-04	50 × 50	0.0030	0.0170	72.3
HX-05	60 × 60	0.0075	0.0090	30.5

Inconel

Inconel woven mesh is a kind of woven mesh made of oxidization-corrosion-resistant alloy wires that are nickel-based and added with iron, chromium and other alloy elements. It has excellent corrosion resistance and oxidization resistance and can be used in a temperature ranging from below zero to 1093 °C without magnetism. In addition, it is widely used in petrochemical, aerospace and other industries.

Inconel Material Chemical Composition (%)													
Standard	C	Cr	Cu	Fe	Mn	Ni	S	Si	Al	Cb	Mo	P	Ti
600	0.15	14–17	0.5	6–10	1	72	0.015	0.5	–	–	–	–	–
601	0.1	21–25	1.0	Rem.	1	58–63	0.015	0.5	1.0–1.7	–	–	–	–
617	0.1	20–24	0.5	3	0.5	44.2–61	0.015	0.5	0.8–1.5	–	8.0–10.0	0.015	0.6
625	0.1	20–23	0.5	5	0.5	58	0.015	0.5	0.4	3.15–4.15	8.0–10.0	0.015	0.4
718	0.08	17–21	0.3	Balance	0.35	50–55	0.015	0.5	0.2–0.8	4.75–5.50	2.8–3.3	0.015	0.65–1.15
X750	0.08	14–17	0.5	5–9	1	70	0.01	0.5	0.4–1.0	0.7–1.2	–	–	2.25–2.75

Item	Mesh (Wires/ in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Specification of Inconel 600 Woven Mesh				
Inconel600-1	4 × 4	0.1200	0.1300	27.0
Inconel600-2	4 × 4	0.0800	0.1700	46.2
Inconel600-3	4 × 4	0.0630	0.1870	56.0
Inconel600-4	5 × 5	0.0400	0.1600	64.0
Inconel600-5	6 × 6	0.0410	0.0126	57.2
Inconel600-6	8 ×8	0.0470	0.0780	38.9
Inconel600-7	8 × 8	0.0410	0.0840	45.2
Inconel600-8	8 × 8	0.0300	0.0950	57.8
Inconel600-9	8 × 8	0.0280	0.0970	60.2
Inconel600-10	10 × 10	0.0225	0.0750	56.3
Inconel600-11	10 × 10	0.0150	0.0850	72.3
Inconel600-12	12 × 12	0.0410	0.0420	25.4
Inconel600-13	12 × 12	0.0250	0.0580	48.4
Inconel600-14	16 × 16	0.0360	0.0275	19.4
Inconel600-15	16 × 16	0.0280	0.0350	30.5
Inconel600-16	16 × 16	0.0250	0.0380	36.0
Inconel600-17	16 × 16	0.0230	0.0400	39.9
Inconel600-18	16 × 16	0.0180	0.0450	50.7
Inconel600-19	18 × 18	0.0280	0.0280	24.7

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Specification of Inconel 600 Woven Mesh				
Inconel600-20	20 × 20	0.0160	0.0340	46.2
Inconel600-21	22 × 22	0.0150	0.0310	45.0
Inconel600-22	24 × 24	0.0140	0.0280	44.2
Inconel600-23	24 × 24	0.0120	0.0300	50.8
Inconel600-24	28 × 28	0.0130	0.0230	40.4
Inconel600-25	30 × 30	0.0150	0.0180	30.1
Inconel600-26	30 × 30	0.0100	0.0233	48.9
Inconel600-27	35 × 35	0.0055	0.0236	68.1
Inconel600-28	40 × 40	0.0100	0.0150	36.0
Inconel600-29	50 × 50	0.0090	0.0110	30.2
Inconel600-30	60 × 60	0.0075	0.0092	30.5
Inconel600-31	80 × 80	0.0055	0.0070	31.4
Inconel600-32	100 × 100	0.0040	0.0060	36.0
Inconel600-33	100 × 100	0.0045	0.0055	30.2
Inconel600-34	120 × 120	0.0038	0.0046	30.7
Inconel600-35	120 × 120	0.0020	0.0063	57.8
Inconel600-36	200 × 200	0.0021	0.0029	33.6
Inconel600-37	200 × 200	0.0020	0.0030	36.0

BOEDON

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Specification of inconel 601 Woven Mesh				
Inconel601-1	2 × 2	0.0720	0.4280	73.3
Inconel601-2	5 × 5	0.0410	0.1590	63.2
Inconel601-3	6 × 6	0.0470	0.1200	51.8
Inconel601-4	10 × 10	0.0470	0.0530	28.1
Inconel601-5	10 × 10	0.0225	0.0750	56.3
Inconel601-6	10 × 10	0.0150	0.0850	72.3
Inconel601-7	12 × 12	0.0250	0.0580	48.4
Inconel601-8	18 × 18	0.0170	0.0390	48.3
Inconel601-9	24 × 24	0.0140	0.0280	44.2
Inconel601-10	30 × 30 TW	0.0170	0.0163	23.9
Inconel601-11	30 × 30	0.0160	0.0170	26.9
Inconel601-12	30 × 30	0.0150	0.0180	30.1
Inconel601-13	35 × 35	0.0100	0.0190	42.4
Inconel601-14	35 × 35	0.0140	0.0150	26.1
Inconel601-15	40 × 40	0.0100	0.0150	36.0
Specification of Inconel 718 Woven Mesh				
Inconel718-1	10 × 10	0.0200	0.0800	64.0
Inconel718-2	26 × 26	0.0130	0.0260	44.0
Inconel718-3	30 × 30	0.0080	0.0250	57.6
Inconel718-4	45 × 45	0.0030	0.0192	74.8
Specification of Inconel X750 Woven Mesh				
InconelX750-1	38 × 36	0.0045	-	69.5
InconelX750-2	80 × 80	0.0055	0.007	31.4

Item	Mesh (Wires/in.)	Wire Diameter (in.)	Width of Opening (in.)	Open Area (%)
Specification of Inconel 625 Woven Mesh				
Inconel625-1	4 × 4	0.0470	0.2030	65.90
Inconel625-2	6 × 6	0.0410	0.0126	57.20
Inconel625-3	8 ×8	0.0350	0.0900	51.80
Inconel625-4	8 × 8	0.0320	0.0930	55.40
Inconel625-5	8 × 8	0.0240	0.1010	65.29
Inconel625-6	20 × 20	0.0115	0.0390	60.80
Inconel625-7	26 × 26	0.0130	0.0260	44.00
Inconel625-8	30 × 30	0.0120	0.0210	40.80
Inconel625-9	32 × 32	0.0140	0.0170	30.60
Inconel625-10	32 × 32	0.0130	0.0180	34.30
Inconel625-11	32 × 32	0.0100	0.0210	46.50
Inconel625-12	35 × 35	0.0140	0.0150	26.10
Inconel625-13	35 × 35	0.0135	0.0150	27.90
Inconel625-14	35 × 35	0.0100	0.0190	42.40
Inconel625-15	40 × 40	0.0105	0.0145	33.65
Inconel625-16	40 × 40	0.0085	0.0170	43.60
Inconel625-17	50 × 50	0.0090	0.0110	30.30
Inconel625-18	60 × 60	0.0075	0.0090	30.50
Inconel625-19	100 × 100	0.0040	0.0060	36.00
Inconel625-20	100 × 100	0.0045	0.0060	30.30
Inconel625-21	100 × 100	0.0040	0.0060	36.00

FeCrAl

FeCrAl woven wire mesh is also called FeCrAl alloy woven wire, heating resistance alloy woven wire, electro thermal alloy mesh. The raw material is woven into a continuous meshes. Except for the FeCrAl woven wire mesh, there are FeCrAl expanded metal mesh and FeCrAl perforated mesh.

FeCrAl woven wire has outstanding heating resistance, oxidation resistance performance. It is mainly used in the industry electric furnace, household appliances. It is an ideal material for heating and drying.

FeCrAl Alloy Material Chemical Composition (%)								
Grade		1Cr13 Al4	1Cr2 Al4	0Cr2 Al6	0Cr23 Al5	0Cr25 Al5	0Cr21Al 6Nb	0Cr27Al 7Mo2
Main chemical composition (%)	Cr	12.0–15.0	17.0–21.0	19.0–22.0	20.0–23.5	23.0–26.0	21.0–23.0	26.5–27.8
	Al	4.0–6.0	2.0–4.0	5.0–7.0	4.2–5.3	4.5–6.5	5.0–7.0	6.0–7.0
	Fe	Allowance	Allowance	Allowance	Allowance	Allowance	Allowance	Allowance
	Re	Appropriate amount	Appropriate amount	Appropriate amount	Appropriate amount	Appropriate amount	Appropriate amount	Appropriate amount
	Others	0.7	0.7	0.7	0.7	0.7	Addition amount Nb:0.5	Addition amount Nb:0.5

Item	Mesh	Wire Gauge	Aperture (mm)	Wire Diameter (mm)	Roll Width (m)	Weight (kg/m^2)
FeCrAl-1	8 (T)	21	2.375	0.800	1.0	2.500
FeCrAl-2	8 (T)	22	2.475	0.700	1.0	1.840
FeCrAl-3	10 (T)	23	1.940	0.600	0.6	1.690
FeCrAl-4	12 (T)	24	1.557	0.559	1.0	1.800
FeCrAl-5	17 (T)	24	0.940	0.550	0.6	2.570
FeCrAl-6	20 (P)	33	1.020	0.250	1.0	0.587
FeCrAl-7	20 (P)	32	1.000	0.270	1.0	0.685
FeCrAl-8	20 (P)	30	0.970	0.300	1.0	0.846
FeCrAl-9	25 (P)	30	0.710	0.300	1.0	1.125
FeCrAl-10	30 (P)	38	0.690	0.150	1.0	0.300
FeCrAl-11	34 (P)	33	0.490	0.250	1.0	1.060
FeCrAl-12	40 (P)	35	0.425	0.210	1.0	0.830
FeCrAl-13	40 (T)	35	0.425	0.210	1.0	0.830
FeCrAl-14	44 (T)	35	0.367	0.210	1.0	0.880
FeCrAl-15	60 (T)	38	0.273	0.150	1.0	0.660
FeCrAl-16	80 (P)	43	0.227	0.090	1.0	0.324

BOEDON

L605

L605 wire cloth, also called Haynes 25 wire cloth, is a type of mesh cloth made of L605 alloy wires. The L605 wire cloth has good ductility, good oxidation and corrosion resistance as well as properties at elevated temperatures.

Haynes 25/L605 is a nonmagnetic, Cobalt-Nickel-Chromium-Tungsten alloy that combines good high temperature strength with good resistance to oxidizing environment at high temperature up to 980 °C (1795 °F) for long exposures. It has excellent resistance to sulphidation.

L-605 Alloy Material Chemical Composition (%)							
Element	C	Cr	Fe	Mn	Ni	Si	W
Content	0.05–0.15	19–21	3	1.0–2.0	9.0–11.0	0.4	14.0–16.0

Item	Mesh Size wire/inch	Wire Diameter		Width of Opening		Open Area %
		inch	mm	inch	mm	
L605-1	12 × 12	0.0110	0.2794	0.0723	1.8364	75.3
L605-2	18 × 18	0.0170	0.4318	0.0390	0.9906	48.3
L605-3	20 × 20	0.0050	0.1270	0.0450	1.1430	81.0
L605-4	20 × 20	0.0130	0.3302	0.0370	0.9398	54.8
L605-5	20 × 20	0.0160	0.4064	0.0340	0.8636	46.2
L605-6	26 × 26	0.0130	0.3302	0.0260	0.6604	44.0
L605-7	30 × 30	0.0100	0.2540	0.0230	0.5842	48.9
L605-8	30 × 30	0.0110	0.2794	0.0220	0.5588	44.8
L605-9	30 × 30	0.0125	0.3175	0.0208	0.5283	39.1
L605-10	30 × 30	0.0130	0.3302	0.0200	0.5080	37.1
L605-11	35 × 35	0.0130	0.3302	0.0160	0.4064	29.8
L605-12	40 × 40	0.0070	0.1778	0.0180	0.4572	51.8
L605-13	40 × 40	0.0090	0.2286	0.0160	0.4064	41.0
L605-14	40 × 40	0.0100	0.2540	0.0150	0.3810	36.0
L605-15	46 × 46	0.0035	0.0889	0.0182	0.4623	70.4
L605-16	50 × 50	0.0030	0.0762	0.0170	0.4318	72.3
L605-17	50 × 50	0.0090	0.2286	0.1100	2.7940	30.3
L605-18	60 × 60	0.0055	0.1397	0.0112	0.2845	44.9
L605-19	60 × 60	0.0070	0.1778	0.0100	0.2540	33.9
L605-20	80 × 70	0.0050	0.1270	0.0000	0.0000	39.0
L605-21	80 × 80	0.0055	0.1397	0.0070	0.1778	31.4
L605-22	100 × 100	0.0025	0.0635	N/A	N/A	N/A
L605-23	200 × 200	0.0020	0.0508	0.0030	0.0762	36.0

Titanium

Titanium woven mesh is woven from non-magnetic titanium wires and is divided into black titanium woven mesh and white titanium woven mesh by its surface color. Black titanium woven mesh is made of pure titanium wire and is suitable for manufacturing ship and seawater titanium filter mesh; white titanium woven mesh is produced by weaving pure graphite wire after removing the graphite emulsion coating. It is suitable for manufacturing electrode mesh, titanium battery collecting mesh and fine chemical liquid filtering titanium mesh.

Item	Mesh (wires/in.)	Wire Diameter (in.)	Width of Opening (in)	Open Area (%)
TI-1	4 × 4	0.0320	0.2180	76.0
TI-2	4 × 4	0.0350	0.2150	74.0
TI-3	6 × 6	0.0320	0.1350	65.6
TI-4	7 × 7	0.0250	0.1180	68.2
TI-5	8 × 8	0.0320	0.0930	55.4
TI-6	9 × 9	0.0320	0.0790	50.6
TI-7	10 × 10	0.0350	0.0650	42.3
TI-8	10 × 10	0.0300	0.0700	49.0
TI-9	10 × 10	0.0250	0.0750	56.3
TI-10	12 × 12	0.0110	0.0723	75.3
TI-11	14 × 14	0.0160	0.0550	60.2
TI-12	16 × 16	0.0060	0.0565	81.7
TI-13	18 × 18	0.0100	0.0460	67.4
TI-14	18 × 18	0.0110	0.0445	64.4
TI-15	18 × 18	0.0160	0.0400	50.8
TI-16	20 × 20	0.0030	0.0470	88.4
TI-17	20 × 20	0.0200	0.0300	36.0
TI-18	20 × 20 TW	0.0160	0.0340	46.2
TI-19	24 × 24	0.0100	0.0320	57.9
TI-20	24 × 24	0.0118	0.0299	51.4
TI-21	26 × 26	0.0100	0.0290	54.9
TI-22	30 × 30	0.0100	0.0233	49.0
TI-23	32 × 32	0.0100	0.0210	46.5
TI-24	35 × 35	0.0080	0.0206	51.8
TI-25	40 × 40	0.0050	0.0200	64.0
TI-26	40 × 40	0.0100	0.0150	36.0
TI-27	50 × 50	0.0090	0.0110	30.3
TI-28	50 × 50 TW	0.0040	0.0160	64.0
TI-29	60 × 60 TW	0.0090	0.0077	21.3
TI-30	90 × 90	0.0040	0.0071	41.0
TI-31	100 × 100	0.0020	0.0080	64.0
TI-32	120 × 120 TW	0.0040	0.0043	27.0
TI-33	150 × 150 TW	0.0027	0.0040	35.5

BOEDON

SDSS

Super duplex stainless steel woven mesh is a molybdenum-added austenitic-ferritic-iron-chromium-nickel alloy woven wire mesh. Depending on the chemical composition of the material, super duplex stainless steel is often classified into two types: UNS32750 and UNS31803.

UNS32750 super duplex stainless steel woven mesh has good resistance performance to chloride stress corrosion, fatigue corrosion, good plasticity and weldability, durability, and high strength, etc.; UNS31803 super duplex stainless steel woven mesh has good corrosion resistance performance, yield strength, weldability, and high energy absorption.

Super Duplex Stainless Steel Material Chemical Composition (%)												
—	ASTM	Content	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	N
UNS32750	2507	Minimum	—	—	—	—	—	24	6.0	—	3.0	0.24
		Maximum	0.03	0.8	1.2	0.035	0.02	26	8.0	0.5	5.0	0.32
UNS31803	2205	Minimum	—	—	—	—	—	21	4.5	—	2.5	0.08
		Maximum	0.03	1.0	2.0	0.030	0.02	23	6.5	—	3.5	0.20

Item	Mesh/Inch	S.W.G	Aperture (mm)	Wire Diameter (mm)	Open Area (%)	Weight (kg/m^2)
SDSS-1	3	14.0	6.2700	2.2000	62	7.000
SDSS-2	3	18.0	7.2500	1.2190	70	2.500
SDSS-3	3.5	20.0	6.3400	0.9140	66	1.800
SDSS-4	4	16.0	4.7200	1.6300	58	5.000
SDSS-5	4	20.0	5.4500	0.9140	76	2.100
SDSS-6	4.5	22.0	4.9300	0.7110	71	1.200
SDSS-7	5	18.0	3.8600	1.2200	57	3.600
SDSS-8	5	22.0	4.3600	0.7110	76	1.300
SDSS-9	6	18.0	3.0400	1.2200	50	4.300
SDSS-10	6	22.0	3.5200	0.7110	63	1.600
SDSS-11	8	20.0	2.2600	0.9100	43	3.200
SDSS-12	8	24.0	2.5000	0.5590	67	1.500
SDSS-13	10	20.0	1.6300	0.9100	41	4.000
SDSS-14	10	26.0	2.0800	0.4600	67	1.100
SDSS-15	12	22.0	1.4100	0.7100	43	2.900
SDSS-16	12	26.0	1.7400	0.4570	68	1.400
SDSS-17	14	26.0	1.3600	0.4600	57	1.400
SDSS-18	16	28.0	1.2100	0.3760	55	1.200
SDSS-19	18	30.0	1.1000	0.3150	60	0.850
SDSS-20	20	30.0	0.9500	0.3150	58	0.950

Item	Mesh/Inch	S.W.G	Aperture (mm)	Wire Diameter (mm)	Open Area (%)	Weight (kg/m^2)
SDSS-21	22	32.0	0.8800	0.2740	57	0.800
SDSS-22	24	32.0	0.7800	0.2740	55	0.850
SDSS-23	26	32.0	0.7400	0.2740	51	0.700
SDSS-24	28	34.0	0.6700	0.2340	50	0.750
SDSS-25	30	34.0	0.6100	0.2340	48	0.800
SDSS-26	32	34.0	0.5600	0.2340	50	0.840
SDSS-27	36	34.0	0.4700	0.2340	45	0.950
SDSS-28	38	36.0	0.4800	0.1930	46	0.700
SDSS-29	40	36.0	0.4400	0.1930	50	0.800
SDSS-30	50	38.0	0.3600	0.1520	46	0.580
SDSS-31	60	40.0	0.3000	0.1220	50	0.450
SDSS-32	80	40.0	0.1980	0.1200	44	0.580
SDSS-33	100	42.0	0.1540	0.1000	37	0.500
SDSS-34	120	44.0	0.1300	0.0810	40	0.390
SDSS-35	130	45.0	0.1250	0.0700	41	0.325
SDSS-36	140	45.0	0.1110	0.0700	38	0.350
SDSS-37	150	46.5	0.1150	0.0550	48	0.206
SDSS-38	160	46.0	0.0970	0.6100	32	0.300
SDSS-39	170	47.0	0.0900	0.0500	41	0.213
SDSS-40	180	47.0	0.0900	0.0510	41	0.240
SDSS-41	190	47.0	0.0830	0.0510	40	0.240
SDSS-42	200	48.0	0.0860	0.0410	46	0.170
SDSS-43	220	48.0	0.0740	0.0410	41	0.190
SDSS-44	240	48.0	0.0650	0.0410	39	0.200
SDSS-45	250	48.0	0.0610	0.0410	38	0.220
SDSS-46	260	48.0	0.0570	0.0410	34	0.220
SDSS-47	280	49.0	0.0600	0.0310	31	0.140
SDSS-48	300	49.0	0.0540	0.0310	40	0.150
SDSS-49	320	49.0	0.0480	0.0310	39	0.160
SDSS-50	350	49.0	0.0420	0.0310	36	0.160
SDSS-51	400	50.0	0.0385	0.0250	39	0.013
SDSS-52	450	50.0	0.0314	0.0250	37	0.140
SDSS-53	500	50.0	0.0258	0.0250	35	0.156

Silver

Silver woven mesh is an exquisite wire mesh woven from 99.99% pure silver wire. Compared with wire mesh woven from other metal alloys, silver woven mesh has good electrical and thermal conductivity, so it is commonly used in battery collector grids, electrodes, and battery skeleton mesh, as well as filter materials in high-precision equipment. In addition, silver woven wire mesh can also be used to design decorative items to add a distinctive charm to your project.

Item	Mesh	Wire Diameter		Width of Opening		Open Area %
		inch	mm	inch	mm	
Silver-1	20 mesh	0.014	0.35	0.036	0.91	51.8
Silver-2	20 mesh	0.009	0.23	0.041	1.04	67.2
Silver-3	24 mesh	0.014	0.35	0.028	0.71	44.2
Silver-4	28 mesh	0.010	0.25	0.026	0.66	51.8
Silver-5	30 mesh	0.011	0.28	0.022	0.55	44.8
Silver-6	30 mesh	0.007	0.16	0.027	0.68	64.8
Silver-7	35 mesh	0.012	0.30	0.017	0.43	33.8
Silver-8	35 mesh	0.010	0.25	0.019	0.48	42.4
Silver-9	40 mesh	0.010	0.25	0.015	0.38	36.0
Silver-10	40 mesh	0.010	0.24	0.016	0.40	38.4
Silver-11	50 mesh	0.009	0.23	0.011	0.28	30.3
Silver-12	50 mesh	0.008	0.20	0.012	0.30	36.0
Silver-13	60 mesh	0.008	0.19	0.009	0.22	30.5
Silver-14	60 mesh	0.006	0.15	0.011	0.28	40.2

Tantalum

Tantalum woven mesh is a fine wire mesh made of rare metal tantalum wire. Tantalum has a higher melting point and lower density, as well as good ductility, chemical stability, better acid and alkali resistance performance, and filtration properties, which make Tantalum woven mesh an ideal material for use in electronic engineering and heat treatment technology. Tantalum woven mesh not only offers excellent performance and reliable durability, but also has a beautiful appearance, making it an excellent high-end material.

Tantalum Material Chemical Composition (%)												
Element	C	Cb	Fe	H	Mo	N	Ni	O	Si	Ta	Ti	W
Content	0.01	0.05	0.01	0.001	0.01	0.01	0.01	0.015	0.005	Rem.	0.01	0.03

Item	Mesh Count	Wire Diameter (in.)	(in.)	Weave Type	Width Opening (in.)	(in.)	Open Area (%)
Specification of Nickel200 Woven Mesh							
Tan-1	8 × 8	0.0200	0.5080	Plain	0.1050	2.6670	70.6
Tan-2	14 × 14	0.0160	0.4064	Plain	0.0554	1.4072	60.2
Tan-3	30 × 30	0.0030	0.0762	Plain	0.0303	0.7696	82.8
Tan-4	35 × 35	0.0078	0.1981	Twill	0.0208	0.5283	52.9
Tan-5	50 × 50	0.0030	0.0762	Plain	0.0170	0.4318	72.3
Tan-6	80 × 80	0.0030	0.0762	Plain	0.0095	0.2413	57.8
Tan-7	100 × 100	0.0030	0.0762	Twill	0.0070	0.1778	49.0
Tan-8	8 × 8	0.0280	0.7100	Plain	0.0970	2.4650	60.2
Tan-9	10 × 10	0.0252	0.6400	Plain	0.0748	1.9000	55.9
Tan-10	12 × 12	0.0228	0.5800	Plain	0.0605	1.5370	58.9
Tan-11	14 × 14	0.0165	0.4200	Plain	0.0547	1.3900	59.0
Tan-12	16 × 16	0.0150	0.3800	Plain	0.0476	1.2100	57.9
Tan-13	18 × 18	0.0157	0.4000	Plain	0.0398	1.0100	51.3
Tan-14	20 × 20	0.0157	0.4000	Plain	0.0343	0.8700	46.9
Tan-15	24 × 24	0.0106	0.2700	Plain	0.0310	0.7880	55.4
Tan-16	28 × 28	0.0091	0.2300	Plain	0.0267	0.6770	55.7
Tan-17	30 × 30	0.0110	0.2800	Plain	0.0223	0.5670	44.8
Tan-18	35 × 35	0.0130	0.3300	Plain	0.0156	0.3960	29.7

Item	Mesh Count	Wire Diameter (in.)	(in.)	Weave Type	Width Opening (in.)	(in.)	Open Area (%)
Specification of Nickel200 Woven Mesh							
Tan-19	40 × 40	0.0098	0.2500	Plain	0.0152	0.3850	36.7
Tan-20	50 × 50	0.0063	0.1600	Plain	0.0150	0.3810	36.0
Tan-21	60 × 60	0.0063	0.1600	Plain	0.0104	0.2630	39.0
Tan-22	80 × 80	0.0047	0.1200	Plain	0.0078	0.1980	39.0
Tan-23	100 × 100	0.0039	0.1000	Plain	0.0061	0.1540	37.0
Tan-24	120 × 120	0.0031	0.0800	Plain	0.0052	0.1320	38.7
Tan-25	150 × 150	0.0024	0.0600	Plain	0.0043	0.1090	41.5
Tan-26	200 × 200	0.0020	0.0500	Plain	0.0030	0.0770	36.7
Tan-27	300 × 300	0.0014	0.0350	Plain	0.0019	0.0490	34.4

Item	Mesh Size (wire/inch)	Wire Diameter (in.)	(in.)
Specification of Nickel200 Woven Mesh			
DTan-1	12 × 64	0.0228/0.0157	0.580/0.400
DTan-2	24 × 110	0.0142/0.0098	0.360/0.250
DTan-3	14 × 88	0.0197/0.0130	0.500/0.330
DTan-4	14 × 110	0.0157/0.0106	0.400/0.270
DTan-5	30 × 150	0.0071/0.0055	0.180/0.140
DTan-6	40 × 200	0.0055/0.0043	0.140/0.110
DTan-7	50 × 250	0.0039/0.0028	0.100/0.071
DTan-8	80 × 700	0.0024/0.0020	0.060/0.050
DTan-9	165 × 800	0.0028/0.0016	0.071/0.040
DTan-10	165 × 1400	0.0020/0.0013	0.050/0.032
DTan-11	200 × 1800	0.0020/0.0012	0.050/0.030
DTan-12	325 × 2300	0.0012/0.0010	0.030/0.025
DTan-13	400 × 2800	0.0012/0.0008	0.030/0.020

Nichrome

Nickel-chromium alloy woven mesh is usually classified into three types, Cr20Ni80, Cr15Ni60, and Cr20Ni35, according to its chemical composition. Among them, Cr20Ni80 is suitable for electric furnaces, radiant heaters, and other industries; Cr15Ni60 is suitable for electric heating, industrial resistance devices, acid dipping baskets, filter cloths, etc. While Cr20Ni35 is suitable for sulfur, lead, or zinc pollution of the atmosphere.

Nichrome Material Chemical Composition (%)										
Grade	%	Ni	Cr	Fe	Al	Mn	Si	C	P	S
Cr20Ni80	Min.	Bal.	20	—	—	0.6	0.75	0.08	0.02	0.080
	Max.		23	1	0.2		1.6			
Cr15Ni60	Min.	55	15	Bal.	—	—	0.75	0.08	0.02	0.150
	Max.	61	18		0.5	0.6	1.6			
Cr20Ni35	Min.	34	18	Bal.	—	1	1	0.10	0.03	0.025
	Max.	37	21		0.5		3			

Item	Mesh inch	Wire Diameter inch	Width of Opening inch	Open Area (%)
Nichrome-1	4 × 4	0.0630	0.1870	56.0
Nichrome-2	8 × 8	0.0470	0.0780	38.9
Nichrome-3	8 × 8	0.0250	0.1000	64.0
Nichrome-4	10 × 10	0.0350	0.0650	42.3
Nichrome-5	16 × 16	0.0200	0.0430	46.2
Nichrome-6	20 × 20	0.0200	0.0300	36.0
Nichrome-7	20 × 20	0.0130	0.0370	54.8
Nichrome-8	20 × 20	0.0160	0.0340	43.2
Nichrome-9	26 × 26	0.0130	0.0260	44.0
Nichrome-10	40 × 40	0.0100	0.0150	36.0
Nichrome-11	40 × 40	0.0070	0.0180	51.8
Nichrome-12	80 × 80	0.0055	0.0070	31.4
Nichrome-13	200 × 200	0.0021	0.0029	33.6
Nichrome-14	325 × 325	0.0014	0.0017	29.7

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Aluminum

Aluminum woven wire mesh is a fine mesh woven of silver-white aluminum wire. Its properties depend on the diameter and weave of aluminum wires, such as strength, flexibility, corrosion resistance performance, and load-bearing capacity. This mesh material is not only lightweight and compact, but also has excellent properties such as high temperature and corrosion resistance performance, which makes it widely used in cutting-edge equipment, automobiles, airplanes, and foodstuffs. The beautiful appearance and excellent performance of aluminum woven mesh can bring unique value to your project. woven wire mesh is a fine mesh woven of silver-white aluminum wire. Its properties depend on the diameter and weave of aluminum wires, such as strength, flexibility, corrosion resistance performance, and load-bearing capacity. This mesh material is not only lightweight and compact, but also has excellent properties such as high temperature and corrosion resistance performance, which makes it widely used in cutting-edge equipment, automobiles, airplanes, and foodstuffs. The beautiful appearance and excellent performance of aluminum woven mesh can bring unique value to your project.

Aluminum Material Chemical Composition (%)									
Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Aluminum
1350	0.10	0.4	0.05	0.01	–	0.01	0.05	–	Balance
5052	0.25	0.4	0.10	0.10	2.2–2.8	0.15–0.35	0.10	–	Balance
5056	0.30	0.4	0.10	0.05–0.20	4.5–5.6	0.05–0.20	0.10	–	Balance
6061	0.40–0.80	0.7	0.15–0.40	0.15	0.8–1.2	0.04–0.35	0.25	0.15	Balance

Item	Mesh Size wire/inch	Wire Diameter		Aperture		Open Area %
		inch	mm	inch	mm	
Aluminum-1	1 × 1	0.0800	2.0300	0.9200	23.3700	84.6
Aluminum-2	2 × 2	0.0630	1.6000	0.4370	11.1000	76.4
Aluminum-3	3 × 3	0.0540	1.3700	0.2790	7.0900	70.1
Aluminum-4	4 × 4	0.0630	1.6000	0.1870	4.7500	56.0
Aluminum-5	5 × 5	0.0410	1.0400	0.1590	4.0400	63.2
Aluminum-6	10 × 10	0.0250	0.6400	0.0750	1.9100	56.3
Aluminum-7	24 × 24	0.0140	0.3560	0.0277	0.7000	44.2
Aluminum-8	80 × 80	0.0055	0.1400	0.0070	0.1800	31.4
Aluminum-9	90 × 90	0.0050	0.1270	0.0061	0.1600	30.1
Aluminum-10	100 × 100	0.0035	0.0890	0.0065	0.1700	42.3
Aluminum-11	120 × 120	0.0037	0.0940	0.0064	0.1168	30.7
Aluminum-12	160 × 160	0.0025	0.0635	0.0038	0.0965	36.4
Aluminum-13	200 × 200	0.0021	0.0533	0.0029	0.0737	33.6

Item	Mesh Per Inch (Longitude × Latitude)	Wire Diameter (Longitude × Latitude)	Aperture Reference Value	Effective Rate of Cross Section	Thickness of Mesh
	–	mm	μm	%	mm
AluminumD-1	7 × 40	0.900 × 0.710	347	14.3	2.320
AluminumD-2	7 × 44	0.710 × 0.630	319	14.2	1.970
AluminumD-3	8 × 45	0.800 × 0.600	310	15.5	2.000
AluminumD-4	14 × 76	0.450 × 0.355	173	14.3	1.160
AluminumD-5	16 × 100	0.400 × 0.280	160	17.7	0.960
AluminumD-6	20 × 110	0.355 × 0.250	126	15.3	0.855
AluminumD-7	22 × 120	0.315 × 0.224	115	15.5	0.763
AluminumD-8	24 × 110	0.355 × 0.250	97	11.3	0.855
AluminumD-9	28 × 150	0.280 × 0.180	92	15.9	0.640
AluminumD-10	35 × 170	0.224 × 0.160	69	12.8	0.544
AluminumD-11	40 × 200	0.180 × 0.135	63	15.4	0.430
AluminumD-12	50 × 300	0.160 × 0.090	55	20.0	0.340
AluminumD-13	60 × 500	0.140 × 0.055	51	34.1	0.252
AluminumD-14	80 × 430	0.125 × 0.063	32	16.6	0.251
AluminumD-15	100 × 120	0.063 × 0.023	23	37.6	0.109
AluminumD-16	118 × 750	0.063 × 0.036	23	21.5	0.135

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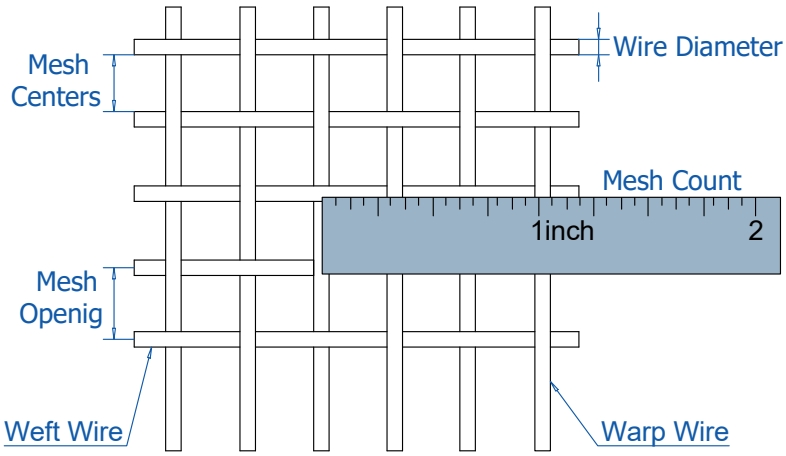
WOVEN MESH

Glossary



Mesh Centers

The distance between the middle point of two adjacent wires.

Wire Diameter

The thickness of the wire before weaving.

Mesh Opening

The distance between two adjacent wires.

Weft Wire

All wires running across the cloth as woven.

Warp Wire

All wires running lengthwise of the cloth as woven.

Mesh Count

The number of openings per lineal inch, reflecting the tightness of the mesh opening.

WOVEN MESH

Features & Application

Features

- Solid structure
- Multiple materials available
- Wide range applications
- High finish, simple and easy to maintain
- Easy to process
- Excellent resistant to acid, alkali, corrosion and high temperature

Application

Polymer Filtration
- Filter layer
- Support layer
- Protection layer

Chemical Filtration
- Filter layer
- Support layer
- Protection layer

Hot Gas Filtration
- Filter layer
- Support layer
- Protection layer

BOEDON Industech Limited

Weave Impossible to Possible

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