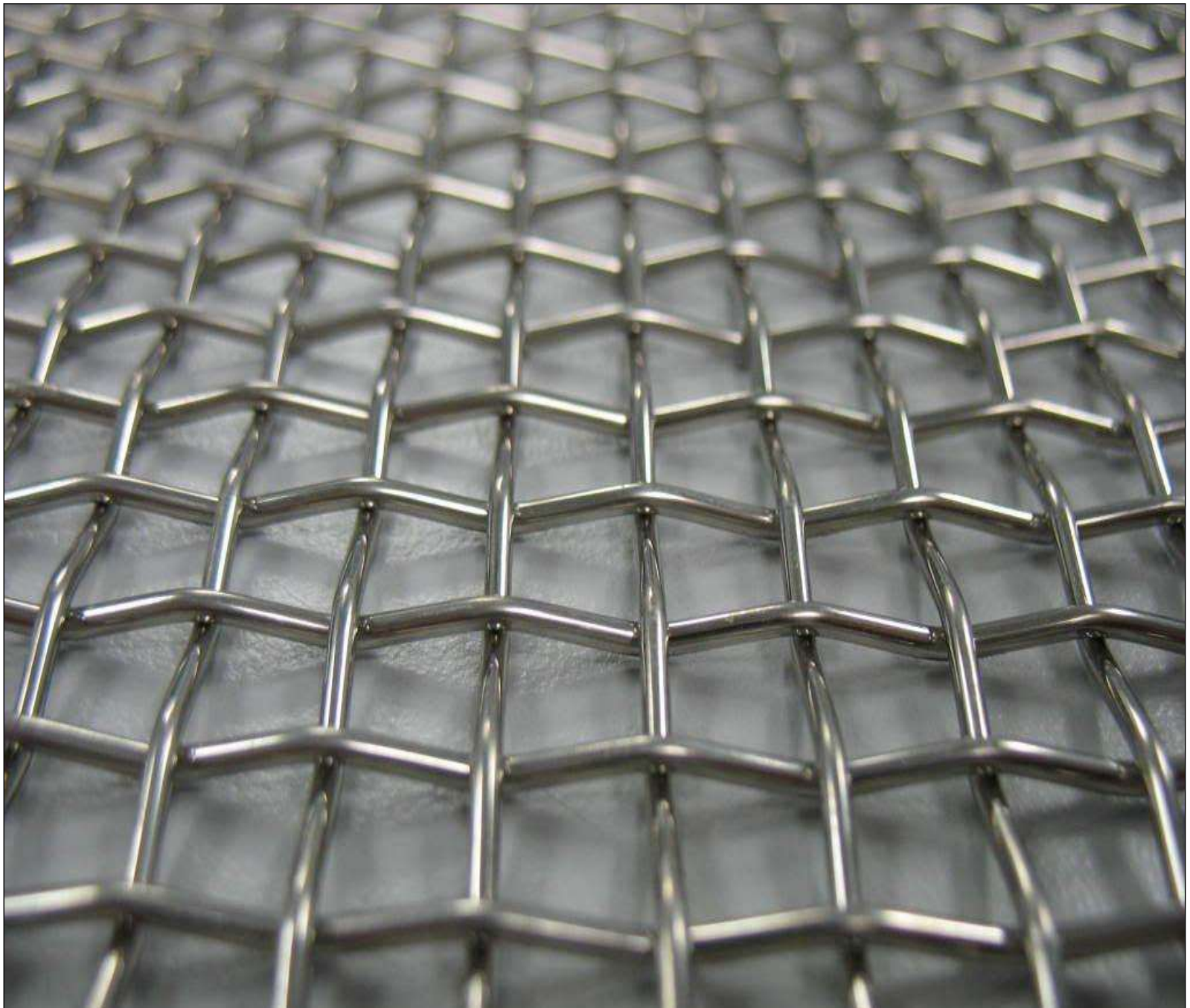




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Wire Mesh Technical Catalogue



● Wire Mesh



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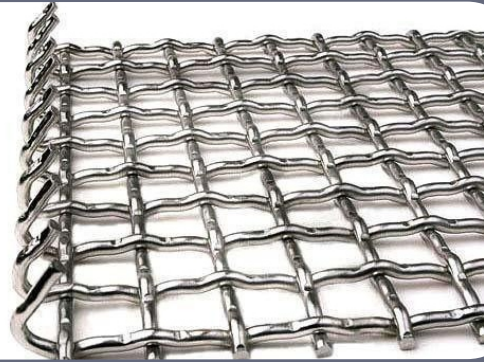
Wire mesh is primarily used as industrial filters in the application of filters, strainers, baskets, sieves and separator. Wire meshes are available in the below materials.

- Stainless Steel
- Galvanized Iron
- Nylon
- Fiber
- Brass
- Phosphor Bronze
- Copper

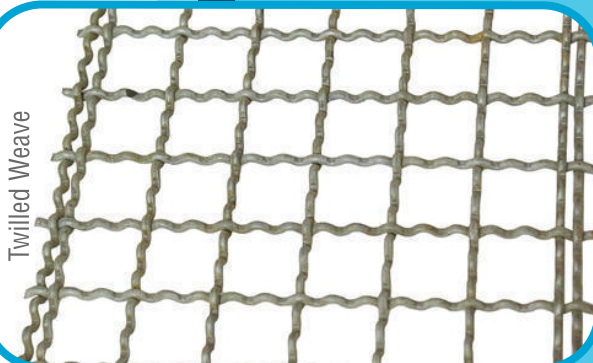
We stock wire mesh from 5mm openings to 5 microns in different standard widths. We also undertake custom manufacturing of wire mesh in different sizes as per client requirements

Wire Mesh are readily available in the form of rolls, cut piece, round discs and can also be customized as per requirement. Plain weave, Twilled weave, Plain Dutch Weave & Twilled Dutch Weave are the different types of weave.

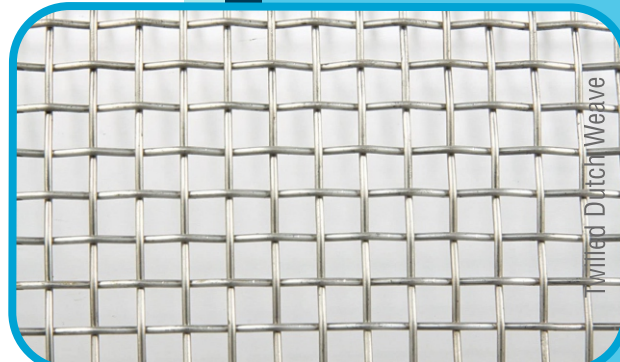
Plain Weave



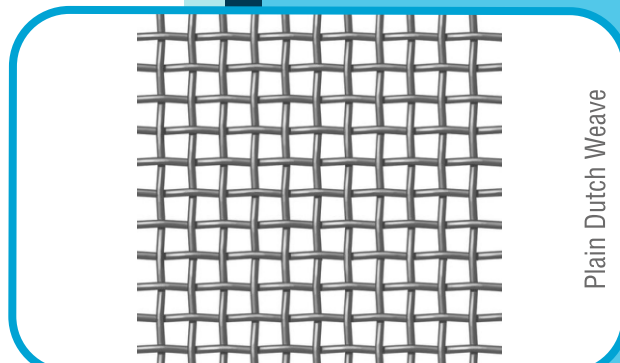
Twilled Weave



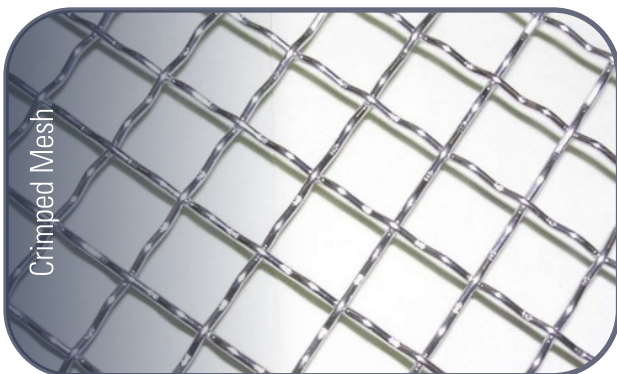
Twilled Dutch Weave



Plain Dutch Weave



Crimped Mesh





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Stated below are the technicals of the Plain Weave wire Mesh. These items are mostly available in stock in standard Width sizes. Any special requirement can be manufactured to order. The standard material for these meshes are SS 304,SS 304L, SS 316, SS 316L & SS 310

Mesh	Diameter of wire		Opening in MM	Approx Open Area %
	SWG	MM		
1	10	3.25	22.2	76%
1	12	2.64	22.8	80%
2	10	3.25	9.5	55%
2	12	2.64	10.1	63%
2	14	2.03	10.7	71%
3	12	2.64	5.8	47%
3	14	2.03	6.4	58%
3	16	1.63	6.8	65%
4	14	2.03	4.3	46%
4	16	1.63	4.7	55%
4	18	1.22	5.1	65%
4	20	0.91	5.4	73%
5	14	2.03	3.1	36%
5	16	1.63	3.5	46%
5	18	1.22	3.9	58%
6	16	1.63	2.6	38%
6	18	1.22	3.0	51%
6	20	20.91	3.3	62%
8	16	1.63	1.5	24%
8	18	1.22	2.0	38%
8	20	0.91	2.3	51%
8	22	0.71	2.5	60%
8	24	0.56	2.6	68%

Mesh	Diameter of wire		Opening in MM	Approx Open Area %
	SWG	MM		
10	22	0.71	1.8	52%
10	24	0.56	2.0	61%
12	22	0.71	1.4	44%
12	24	0.56	1.6	54%
12	26	0.46	17	61%
14	24	0.56	1.3	48%
14	26	0.46	1.4	56%
16	24	0.56	1.0	42%
16	26	0.46	1.1	50%
16	28	0.37	1.2	59%
16	30	0.31	1.3	65%
16	32	0.27	1.3	69%
18	24	0.56	0.9	36%
18	26	0.46	1.0	45%
18	28	0.37	1.0	54%
18	30	0.31	1.1	61%
18	32	0.27	1.1	65%
20	24	0.56	0.7	31%
20	26	0.46	0.8	41%
20	28	0.3	0.9	50%
20	30	0.31	1.0	57%
24	28	0.37	0.7	42%
24	30	0.31	0.7	50%

Mesh	Diameter of wire		Opening in MM	Approx Open Area %
	SWG	MM		
30	28	0.37	0.5	32%
30	30	0.31	0.5	40%
30	32	0.27	0.6	46%
40	32	0.27	0.4	33%
40	34	0.23	0.4	41%
40	36	0.19	0.4	49%
50	34	0.23	0.3	30%
50	36	0.19	0.3	39%
50	38	0.15	0.4	50%
60	36	0.19	0.2	30%
60	38	0.15	0.3	42%
80	40	0.12	0.2	39%
80	42	0.1	0.2	47%
100	42	0.1	0.2	37%
100	44	0.08	0.2	47%
120	44	0.08	0.1	39%
150	45	0.047	0.1	34%
150	46	0.06	0.1	42%
200	47	0.05	0.1	37%
250	48	0.04	0.1	37%
300	48	0.04	0.045	28%
325	-	0.035	0.043	30%
400	49	0.03	0.034	28%
500	50	0.025	0.026	26%

Stated below are the technal specification of dutch and twill weave wire mesh. These mesh can be manufactured in different widths in SS 304 and SS 316

Weave Type	Mesh	Wire Dia in MM	Nominal Micron Rating	Absolute Micron Rating
Twill Dutch	325X2300	0.035X0.025	2	7-8
Twill Dutch	200X1400	0.07X0.04	5	11-13
Twill Dutch	165X1400	0.07X0.04	10	15-18
Twill Dutch	165X800	0.07X0.04	15	24-28
Twill Dutch	200X600	0.06X0.045	20	40-45
Plain Dutch	100X600	0.14X0.04	25	35-38
Plain Dutch	80X400	0.11X0.06	35	38-45
Twill Dutch	80X700	0.12X0.07	25	34-36
Plain Dutch	50X250	0.14X0.11	40	56-63
Plain Dutch	40X200	0.2X0.14	56	75-80
Plain & Twill	30X150	0.23X0.18	95	95-110
Plain Dutch	24X110	0.35X0.25	80	112-125
Plain Dutch	12X64	0.6X0.42	200	NA

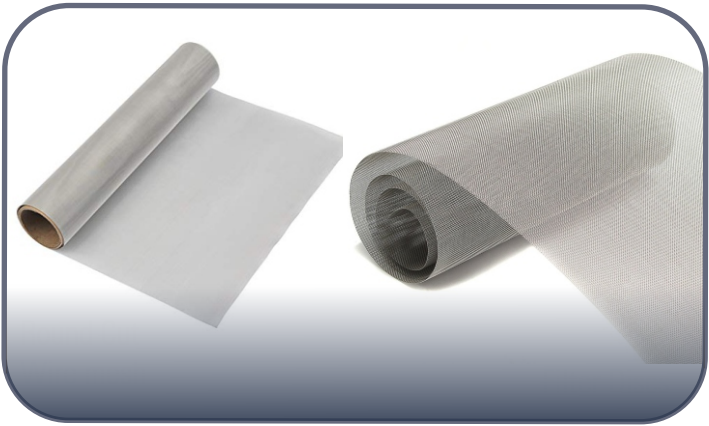
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Equivalent Mesh in Different Standards						
Opening in Micron	A.S.T.M - 1961		Tyler - 1961		B.S.S. - 1962	
	Mesh No.	Aperture in Micron	Mesh No.	Aperture in Microns	Mesh No.	Aperture in Micron
2400	8	2380	8	2362	7	2400
2000	10	2000	9	1981	8	2000
1600	12	1680	10	1651	-	1590
1400	14	1400	12	1397	12	1400
1200	16	1190	14	1168	14	1200
1000	18	1000	16	991	16	1000
850	20	841	20	833	18	850
800	-	-	-	-	24	790
750	-	-	-	-	-	-
700	25	707	24	701	22	710
600	30	595	28	589	25	600
500	35	500	32	495	300	500
400	40	420	35	417	36	420
350	45	354	42	351	44	355
300	50	297	48	295	52	300
250	60	250	60	246	60	250
200	70	210	65	208	72	210
175	80	177	80	175	85	180
150	100	149	1006	147	100	150
125	120	125	115	124	120	125
100	140	105	150	104	150	105
90	170	88	170	88	170	90
75	200	74	200	74	200	75
65	230	63	250	61	240	63
50	270	53	270	53	300	53
45	325	44	325	43	360	45
35	400	37	400	38	-	-

Stainless Steel Chemical & Mechanical Specifications

	S.S.	202	302	304	304L	310	316	316L
Chemical Composition	Carbon	0.12	0.15	0.08	0.03	0.25	0.08	0.03
	Manganese	5.5/7.5	2	2	2	2	2	2
	Silicone	0.9	1	1	1	1.5	1	1
	Chromium	16/18	17/19	18/20	18/20	24/26	23/26	16/18
	Nickel	0.5/4.0	8.0/10	8.0/12	8.0/12	19/22	10/14	10/14
	Molybdenum	0.2	-	-	-	-	2/3	2/3
	Phosphorus	0.06	0.045	0.045	0.045	0.045	0.045	0.045
	Nitrogen	0.25	-	-	-	-	-	-
	Sulphur	-	0.03	0.03	0.03	0.03	0.03	0.03
	Tensile Strength	105	90	85	60	95	85	78
Mechanical Properties	2 % Yield Strength	55	37	35	30	40	35	30
	Elongation in 2'	55	55	55	55	45	55	55
	Rockwell	90	82	80	76	87	80	76
	Brinell	185	155	150	140	170	150	145

Customized Products



For More Details Contact:



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