

## Stainless Steel Wire Mesh

Stainless steel wire mesh also known as wire cloth or wire fabric, is woven from stainless steel wire. According to different weaving patterns, it can be divided into Plain weave, Twill weave, Plain dutch weave, Twill dutch weave, Reverse plain dutch weave, Reverse dutch twill weave, Herringbone, Five Heddle. Widely used for gas, liquid, solid filtration in chemical, petroleum, food, medicine industries etc, as well as other medium separation.

### Basic information of Jiushen stainless steel wire mesh:

**Standards:** ASTM E2016-2020-5000

ASTM E2814-2011

**Weaving Pattern:** Plain weave, Twill weave, Plain dutch weave, Twill dutch weave, Reverse plain dutch weave, Reverse dutch twill weave, Herringbone, Five Heddle

**Material:** SUS / AISI 304, 304L, 316, 316L, 310 etc.

### Advantages of stainless steel mesh :

heat resistance, acid resistance, alkali resistance, corrosion resistance and wear resistance

**Application:** gas, liquid, solid filtration in chemical, petroleum, food, medicine industries etc, as well as other medium separation

### Specification:

Stainless Steel Square Mesh					
Mesh/linear inch	Wire Dia		Width of Opening		Open Area (%)
	Inch	mm	Inch	mm	
1x1	0.157	4.000	0.8400	21.40	71.0
2x2	0.118	2.500	0.3800	10.20	64.0
3x3	0.079	2.000	0.2500	6.40	58.0
4x4	0.063	1.600	0.1870	4.75	56.0
4x4	0.047	1.190	0.2030	5.16	65.9
5x5	0.055	1.400	0.1400	3.68	52.0
6x6	0.047	1.200	0.1200	3.03	51.0
8x8	0.043	1.100	0.0800	2.08	42.0
10x10	0.039	1.000	0.0600	1.54	36.0
10x10	0.020	0.510	0.0800	2.03	64.0
12x12	0.023	0.584	0.0600	1.52	51.8
12x12	0.020	0.508	0.0630	1.60	57.2



14x14	0.023	0.584	0.0480	1.22	45.2
14x14	0.020	0.508	0.0510	1.30	51.0
16x16	0.018	0.457	0.0445	1.13	50.7
18x18	0.017	0.432	0.0386	0.98	48.3
20x20	0.020	0.508	0.0300	0.76	36.0
20x20	0.016	0.406	0.0340	0.86	46.2
24x24	0.014	0.356	0.0277	0.70	44.2
30x30	0.013	0.330	0.0203	0.52	37.1
30x30	0.0120	0.305	0.0213	0.54	40.8
30x30	0.0090	0.2290	0.0243	0.6200	53.1
35x35	0.0110	0.2790	0.0176	0.4500	37.9
40x40	0.0100	0.2540	0.0150	0.3800	36.0
50x50	0.0090	0.2290	0.0110	0.2800	30.3
50x50	0.0080	0.2030	0.0120	0.3100	36.0
60x60	0.0075	0.1910	0.0092	0.2300	30.5
60x60	0.0070	0.1780	0.0097	0.2500	33.9
70x70	0.0065	0.1650	0.0078	0.2000	29.8
80x80	0.0065	0.1650	0.0060	0.1500	23.0
80x80	0.0055	0.1400	0.0070	0.1800	31.4
90x90	0.0050	0.1270	0.0061	0.1600	30.1
100x100	0.0045	0.1140	0.0055	0.1400	30.3
100x100	0.0040	0.1020	0.0060	0.1500	36.0
100x100	0.0035	0.0890	0.0065	0.1700	42.3
110x110	0.0040	0.1016	0.0051	0.1295	30.7
120x120	0.0037	0.0940	0.0046	0.1168	30.7
150x150	0.0026	0.0060	0.0041	0.1041	37.4
160x160	0.0025	0.0635	0.0038	0.0965	36.4
180x180	0.0023	0.0584	0.0033	0.0838	34.7
200x200	0.0021	0.0533	0.0029	0.0737	33.6
250x250	0.0016	0.0406	0.0024	0.0610	36.0
270x270	0.0016	0.0406	0.0021	0.0533	32.2
300x300	0.0015	0.0381	0.0018	0.0370	29.7
325x325	0.0014	0.0356	0.0017	0.0432	30.0
400x400	0.0010	0.0254	0.0015	0.0370	36.0
500x500	0.0010	0.0254	0.0010	0.0254	25.0
635x635	0.0008	0.0203	0.0008	0.0203	25.0



Stainless Steel Plain Dutch Weave Mesh			
Mesh	Wire Dia (inch)	Absolute Filter Rating (μm)	Nominal Filter Rating (μm)
8x85	0.014x0.0126	318-340	250-255
12x64	0.024x0.0165	270-285	200-205
14x88	0.02x0.013	225-245	150-155
20x150	0.0098x0.007	155-165	100-105
24x100	0.015x0.01	115-125	80-85
30x150	0.009x0.007	95-100	65-70
40x200	0.007x0.0055	65-70	55-60
50x250	0.0055x0.0045	55-60	40-45
80x400	0.0049x0.0028	43-48	35-40

Stainless Steel Reverse Dutch Weave Mesh							
Mesh	Wire Dia (μm)		Aperture (μm)		Effective Section Ratio	Weight	Thickness
	Warp	Weft	Nominal	Absolute	(%)	(kg/m <sup>2</sup> )	(mm)
84x14	-	-	-	450-530	62	3.5	1.15
260x40	-	-	125	112-125	54	2.25	0.62
170x40	-	-	90	106-118	54	2.1	0.57
175x37	-	-	85	100-106	54	2.1	0.57
130x30-35	200	380	80	95-105	57	2.7-3.10	0.77-0.80
175x40-50	150	300	60	65-72	55	2.1-2.40	0.57-0.60
280x60-70	90	200	40	54-60	56	1.34-1.55	0.38-0.40
600x100-105	42	140	25	34-38	57	0.75-0.80	0.22-0.23
630x125-130	42	125	17	22-26	53	0.75-0.85	0.20--0.22
720x140-150	35	110	15	16-20	52	0.65-0.70	0.15-0.18

Stainless Steel Twill Dutch Weave Mesh			
Mesh	Wire Dia (Inch)	Absolute Filter Rating (μm)	Norminal Filter Rating (μm)
20x250	.0098x.0079	110-120	98-105
30x360	.0098x.0060	90-100	80-84
40x560	.0070x.0040	70-75	47-52
80x700	.0040x.0030	35-40	24-26
200x600	.0024x.0018	28-32	19-21
165x800	.0028x.0020	24-26	14-16
165x1400	.0028x.0016	16-18	9-11
200x1400	.0028x.0016	12-14	5-6
250x1400	.0022x.0016	11-12	3-4
325x2300	.0015x.0010	8-9	2-3
500x3600	.0010x.0006	2-3	1