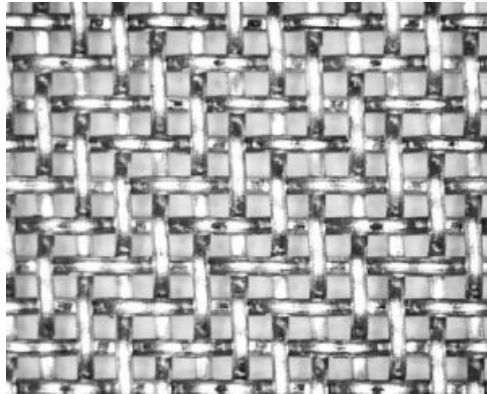
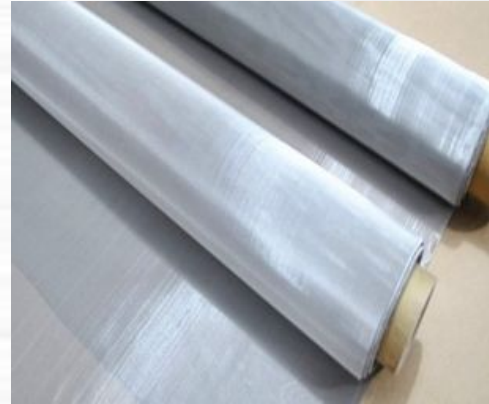




**Web Wire Mesh Co.,Ltd.**

**Stainless Steel Mesh**

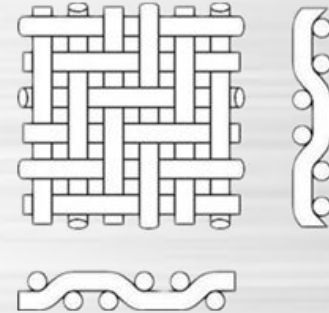


**Twill Weave**

# Stainless Steel Wire Mesh Twill Weave

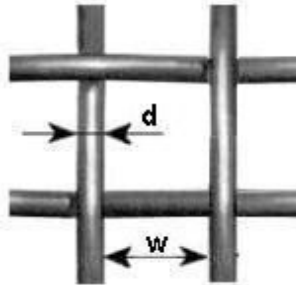
## Twill Weave

Twill weave is made with each weft wire passing alternately over two, and then under two successive warp wires and each warp wire passing alternately over two and under two successive weft wires.



## Opening (w)

Clear opening between adjacent parallel wires; not affected by diameter of the wire.



## Wire diameter (d)

## Mesh

Number of openings in a linear inch measured from the center of one wire to a point 1" distant.

$$\text{Mesh} = \frac{25.4 \text{ mm}}{w \text{ (mm)} + d \text{ (mm)}}$$

## Opening area (A)

The percentage of the opening is calculated as follows

$$A = \left( \frac{w}{w+d} \right)^2 \times 100\%$$



## Stainless Steel Wire Mesh Twill Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm <sup>2</sup>	kgs/m <sup>2</sup>	lbs/m <sup>2</sup>
40	0.30	0.0118	0.335	0.0131	27.83	0.1122	1.8	3.96
	0.27	0.0106	0.365	0.0143	33.03	0.1332	1.45	3.20
	0.25	0.0098	0.385	0.0151	36.75	0.1482	1.25	2.75
	0.23	0.0090	0.405	0.0159	40.67	0.1640	1.05	2.31
	0.21	0.0082	0.425	0.0167	44.79	0.1806	0.88	1.94
	0.19	0.0074	0.445	0.0175	49.11	0.1980	0.72	1.58
	0.17	0.0066	0.465	0.0183	53.62	0.2162	0.57	1.27
	0.15	0.0059	0.485	0.0190	58.33	0.2352	0.45	0.99
50	0.25	0.0098	0.258	0.0101	25.79	0.0665	1.56	3.43
	0.23	0.0090	0.278	0.0109	29.94	0.0772	1.32	2.90
	0.21	0.0082	0.298	0.0117	34.41	0.0888	1.10	2.42
	0.19	0.0074	0.318	0.0125	39.18	0.1011	0.90	1.98
	0.18	0.0070	0.328	0.0129	41.68	0.1075	0.81	1.78
	0.17	0.0066	0.338	0.0133	44.26	0.1142	0.72	1.58
	0.15	0.0059	0.358	0.0140	49.66	0.1281	0.56	1.23
60	0.23	0.0090	0.193	0.0076	20.85	0.0373	1.58	3.49
	0.21	0.0082	0.213	0.0083	25.39	0.0455	1.32	2.91
	0.19	0.0074	0.233	0.0091	30.38	0.0544	1.08	2.37

## Stainless Steel Wire Mesh Twill Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm <sup>2</sup>	kgs/m <sup>2</sup>	lbs/m <sup>2</sup>
60	0.17	0.0066	0.253	0.0099	35.81	0.0641	0.86	1.90
	0.15	0.0059	0.273	0.0107	41.68	0.0747	0.67	1.47
	0.13	0.0051	0.293	0.0115	48.01	0.0860	0.50	1.11
	0.12	0.0047	0.303	0.0119	51.34	0.0920	0.43	0.95
80	0.15	0.0059	0.167	0.0065	27.83	0.0280	0.9	1.98
	0.18	0.0070	0.137	0.0054	18.75	0.0189	1.29	2.85
	0.13	0.0051	0.187	0.0073	34.87	0.0351	0.67	1.48
	0.12	0.0047	0.197	0.0077	38.69	0.0390	0.57	1.25
	0.10	0.0039	0.217	0.0085	46.92	0.0473	0.40	0.88
100	0.10	0.0039	0.154	0.0060	36.75	0.0237	0.50	1.10
	0.14	0.0055	0.114	0.0044	20.14	0.0129	0.98	2.15
	0.12	0.0047	0.134	0.0052	27.83	0.0179	0.72	1.58
120	0.12	0.0047	0.091	0.0036	18.75	0.0084	0.86	1.90
	0.1	0.0039	0.111	0.0043	27.83	0.0124	0.6	1.32
	0.09	0.0035	0.121	0.0047	33.03	0.0148	0.48	1.06
	0.08	0.0031	0.131	0.0051	38.69	0.0173	0.38	0.83
150	0.06	0.0023	0.109	0.0043	41.68	0.0119	0.27	0.59
	0.08	0.0031	0.089	0.0035	27.83	0.0079	0.48	1.05

## Stainless Steel Wire Mesh Twill Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm <sup>2</sup>	kgs/m <sup>2</sup>	lbs/m <sup>2</sup>
150	0.07	0.0027	0.0993	0.0039	34.41	0.0098	0.36	0.80
180	0.06	0.0023	0.0811	0.0031	33.03	0.0065	0.32	0.71
	0.05	0.0019	0.091	0.0035	41.68	0.0083	0.22	0.48
200	0.05	0.0019	0.077	0.0030	36.75	0.0059	0.25	0.55
	0.06	0.0024	0.067	0.0026	27.83	0.0045	0.36	0.79
250	0.05	0.0020	0.052	0.0020	25.79	0.0027	0.31	0.69
	0.04	0.0015	0.061	0.0024	36.75	0.0037	0.20	0.44
300	0.04	0.0015	0.044	0.0017	27.83	0.0019	0.24	0.52
325	0.035	0.0013	0.043	0.0016	30.48	0.0018	0.19	0.41
	0.04	0.0015	0.0382	0.00150	23.83	0.0014	0.26	0.57
400	0.030	0.0011	0.033	0.0013	27.83	0.0011	0.18	0.39
500	0.025	0.0009	0.025	0.0010	25.79	0.0006	0.15	0.33
600	0.018	0.0007	0.024	0.0009	33.04	0.0005	0.10	0.22
635	0.015	0.0006	0.025	0.0009	39.06	0.0006	0.07	0.15

## Stainless Steel Wire Mesh Twill Weave



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