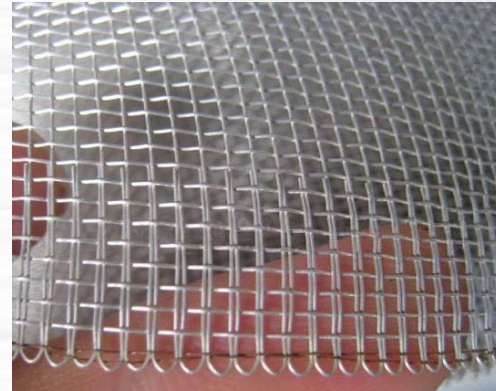




Web Wire Mesh Co.,Ltd.

Aluminum Wire Mesh

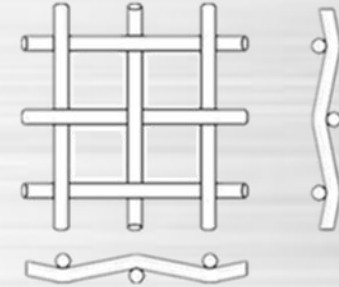


Plain Weave

Aluminum Wire Mesh Plain Weave

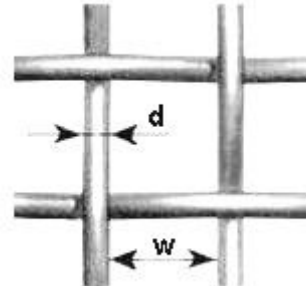
Plain Weave

Each warp wire passes alternately over and under the wires running transversely through the cloth at 90 degree angles.



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

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



Aluminum Wire Mesh Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
8	0.50	0.0196	2.675	0.1053	70.98	7.1556	0.33	0.72
10	0.50	0.0196	2.040	0.0803	64.50	4.1616	0.41	0.90
	0.40	0.0157	2.140	0.0842	70.98	4.5796	0.26	0.57
12	0.50	0.0196	1.616	0.0636	58.33	2.6136	0.50	1.10
	0.40	0.0157	1.716	0.0675	65.77	2.9469	0.32	0.70
	0.25	0.0098	1.866	0.0734	77.77	3.4844	0.12	0.26
14	0.50	0.0196	1.314	0.0517	52.47	1.7273	0.58	1.27
	0.40	0.0157	1.414	0.0556	60.76	2.0002	0.37	0.81
	0.35	0.0137	1.464	0.0576	65.13	2.1441	0.28	0.61
	0.25	0.0098	1.564	0.0615	74.33	2.4469	0.14	0.30
	0.19	0.0074	1.624	0.0639	80.15	2.6383	0.08	0.17
16	0.35	0.0137	1.237	0.0487	60.76	1.5314	0.32	0.70
	0.27	0.0106	1.317	0.0518	68.87	1.7358	0.19	0.41
	0.25	0.0098	1.337	0.0526	70.98	1.7889	0.16	0.35
	0.23	0.0090	1.357	0.0534	73.12	1.8428	0.14	0.30
	0.19	0.0074	1.397	0.0550	77.49	1.9530	0.09	0.19
18	0.35	0.0137	1.061	0.0417	56.54	1.1259	0.36	0.79
	0.30	0.0118	1.111	0.0437	62.00	1.2345	0.27	0.59

Aluminum Wire Mesh Plain Weave

Mesh	Wire		Aperture		Open Area		Weight	
	mm	inch	mm	inch	%	mm ²	kgs/m ²	lbs/m ²
18	0.25	0.0098	1.161	0.0457	67.70	1.3481	0.18	0.39
	0.18	0.0071	1.231	0.0485	76.23	1.5156	0.10	0.21
	0.17	0.0066	1.2411	0.0488	77.35	1.5403	0.09	0.19
20	0.30	0.0118	0.970	0.0381	58.33	0.9409	0.30	0.66
	0.25	0.0098	1.020	0.0401	64.50	1.0404	0.20	0.44
	0.19	0.0074	1.080	0.0425	72.31	1.1664	0.12	0.26
	0.17	0.0066	1.100	0.0433	75.02	1.2100	0.10	0.21
30	0.25	0.0098	0.596	0.0234	49.66	0.3560	0.31	0.68
	0.23	0.0090	0.616	0.0242	53.04	0.3802	0.26	0.57
	0.21	0.0082	0.636	0.0250	56.54	0.4053	0.22	0.48
	0.19	0.0074	0.656	0.0258	60.15	0.4312	0.18	0.39
	0.17	0.0067	0.677	0.0266	63.87	0.4579	0.14	0.32
40	0.19	0.0074	0.445	0.0175	49.11	0.1980	0.24	0.52
	0.17	0.0067	0.465	0.0183	53.62	0.2162	0.19	0.42

Aluminum Wire Mesh Plain Weave

Mesh	Wire		Aperture		Weight	
	mm	inch	mm	inch	kgs/m ²	lbs/m ²
14x16	0.23	0.0090	1.584x1.357	0.0624x0.0534	0.13	0.28
	0.25	0.0098	1.564x1.337	0.0616x0.0526	0.15	0.33
	0.28	0.0110	1.534x1.307	0.0604x0.0514	0.19	0.41
14x18	0.23	0.0090	1.584x1.181	0.0624x0.0465	0.14	0.30
	0.25	0.0098	1.564x1.161	0.0616x0.0457	0.16	0.35
	0.28	0.0110	1.534x1.131	0.0604x0.0445	0.20	0.44
16x18	0.23	0.0090	1.357x1.181	0.0534x0.0465	0.14	0.30
	0.25	0.0098	1.337x1.161	0.0526x0.0457	0.17	0.37
	0.28	0.0110	1.307x1.131	0.0514x0.0445	0.22	0.48
22x24	0.23	0.0090	0.925x0.828	0.0364x0.0326	0.20	0.44
	0.25	0.0098	0.905x0.808	0.0356x0.0318	0.23	0.50
	0.28	0.0110	0.875x0.778	0.0344x0.0306	0.30	0.66

Aluminum Wire Mesh Plain Weave



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