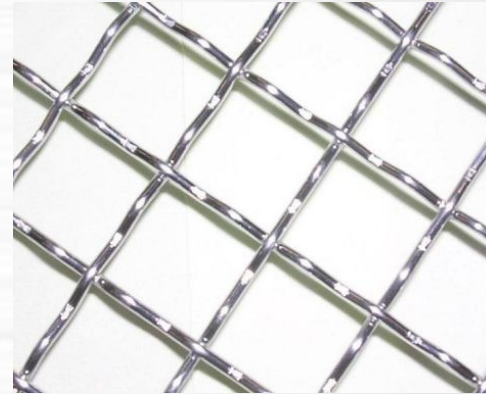




WIRE MESH
WEB WIRE MESH CO.,LTD

Crimped Wire Mesh

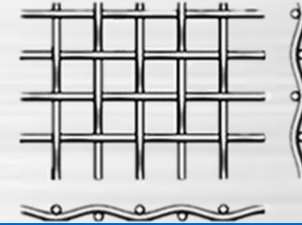


Plain Crimped & Single Intermediate Crimped Weave

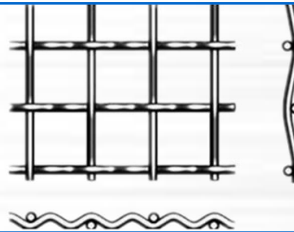
Crimped Wire Mesh Plain & Single Intermediate

Plain Crimped

Warp wire and weft wire are of equal size. Warp wires pass over and under weft wires in an alternating pattern at adjacent intersections



Single Intermediate Crimped



Both the warp and weft wires are crimped with extra crimps or corrugations between the points of intersection

Opening area (A)

The percentage of the opening is calculated as follows

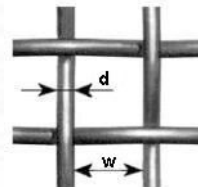
$$A = \left(\frac{w}{w+d}\right)^2 \times 100\%$$



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.

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

Plain Crimped (1-20mesh)
Single Intermediate Crimped (1-4mesh)

Mesh	Wire		Aperture		Open Area		Weight (kg/m ²)		
	mm	inch	mm	inch	%	mm ²	SS	Cu	Al
1	4.80	0.1889	20.600	0.8110	65.77	424.3600	11.52	13.01	***
	4.50	0.1771	20.900	0.8228	67.70	436.8100	10.12	11.43	***
	4.00	0.1574	21.400	0.8425	70.98	457.9600	8.00	9.04	2.66
	3.70	0.1456	21.700	0.8543	72.98	470.8900	6.84	7.72	2.28
	3.40	0.1338	22.000	0.8661	75.02	484.0000	5.78	6.53	1.92
	3.00	0.1181	22.400	0.8818	77.77	501.7600	4.50	5.08	1.50
	2.60	0.1023	22.800	0.8976	80.57	519.8400	3.38	3.81	1.12
	2.30	0.0905	23.100	0.9094	82.70	533.6100	2.64	2.98	0.88
	2.00	0.0787	23.400	0.9212	84.87	547.5600	2.00	2.26	0.66
	1.80	0.0708	23.600	0.9291	86.32	556.9600	1.62	1.83	0.54
	1.60	0.0629	23.800	0.9370	87.79	566.4400	1.28	1.44	0.42
2	3.40	0.1338	9.300	0.3661	53.62	86.4900	11.56	13.06	3.85
	3.00	0.1181	9.700	0.3818	58.33	94.0900	9.00	10.17	3.00
	2.60	0.1023	10.100	0.3976	63.24	102.0100	6.76	7.63	2.25
	2.30	0.0905	10.400	0.4094	67.05	108.1600	5.29	5.97	1.76
	2.00	0.0787	10.700	0.4212	70.98	114.4900	4.00	4.52	1.33
	1.80	0.0708	10.900	0.4291	73.66	118.8100	3.24	3.66	1.08
	1.60	0.0629	11.100	0.4370	76.39	123.2100	2.56	2.89	0.85
	1.40	0.0551	11.300	0.4448	79.16	127.6900	1.96	2.21	0.65
1.20	0.0472	11.500	0.4527	81.99	132.2500	1.44	1.62	0.48	

Plain Crimped (1-20mesh)
Single Intermediate Crimped (1-4mesh)

Mesh	Wire		Aperture		Open Area		Weight (kg/m ²)		
	mm	inch	mm	inch	%	mm ²	SS	Cu	Al
2	1.00	0.0393	11.700	0.4606	84.87	136.8900	1.00	1.13	0.33
	0.80	0.0314	11.900	0.4685	87.79	141.6100	0.64	0.72	***
3	3.00	0.1181	5.466	0.2152	41.68	29.8844	13.50	15.25	4.50
	2.60	0.1023	5.866	0.2309	48.01	34.4177	10.14	11.45	3.38
	2.30	0.0905	6.166	0.2427	53.04	38.0277	7.93	8.96	2.64
	2.00	0.0787	6.466	0.2545	58.33	41.8177	6.00	6.78	2.00
	1.80	0.0708	6.666	0.2624	62.00	44.4444	4.86	5.49	1.62
	1.60	0.0629	6.866	0.2703	65.77	47.1511	3.84	4.33	1.28
	1.40	0.0551	7.066	0.2782	69.66	49.9377	2.94	3.32	0.98
	1.20	0.0472	7.266	0.2860	73.66	52.8044	2.16	2.44	0.72
	1.00	0.0393	7.466	0.2939	77.77	55.7511	1.50	1.69	0.50
	0.80	0.0314	7.666	0.3018	81.99	58.7777	0.96	1.08	***
4	3.00	0.1181	3.350	0.1318	27.83	11.2225	18.00	20.34	6.00
	2.60	0.1023	3.750	0.1476	34.87	14.0625	13.52	15.27	4.50
	2.30	0.0905	4.050	0.1594	40.67	16.4025	10.58	11.95	3.52
	2.00	0.0787	4.350	0.1712	46.92	18.9225	8.00	9.04	2.66
	1.80	0.0708	4.550	0.1791	51.34	20.7025	6.48	7.32	2.16
	1.60	0.0629	4.750	0.1870	55.95	22.5625	5.12	5.78	1.70
	1.40	0.0551	4.950	0.1948	60.76	24.5025	3.92	4.42	1.30
	1.20	0.0472	5.150	0.2027	65.77	26.5225	2.88	3.25	0.96

Plain Crimped (1-20mesh)
Single Intermediate Crimped (1-4mesh)

Mesh	Wire		Aperture		Open Area		Weight (kg/m ²)		
	mm	inch	mm	inch	%	mm ²	SS	Cu	Al
4	1.00	0.0393	5.350	0.2106	70.98	28.6225	2.00	2.26	0.66
	0.80	0.0314	5.550	0.2185	76.39	30.8025	1.28	1.44	***
	0.70	0.0275	5.650	0.2224	79.16	31.9225	0.98	1.1	***
	0.60	0.0236	5.750	0.2263	81.99	33.0625	0.72	0.81	***
5	2.00	0.0787	3.080	0.1212	36.75	9.4864	10.00	11.3	3.33
	1.80	0.0708	3.280	0.1291	41.68	10.7584	8.10	9.15	2.70
	1.60	0.0629	3.480	0.1370	46.92	12.1104	6.40	7.23	2.13
	1.40	0.0551	3.680	0.1448	52.47	13.5424	4.90	5.53	1.63
	1.20	0.0472	3.880	0.1527	58.33	15.0544	3.60	4.06	1.20
	1.00	0.0393	4.080	0.1606	64.50	16.6464	2.50	2.82	0.83
	0.80	0.0314	4.280	0.1685	70.98	18.3184	1.60	1.8	***
	0.70	0.0275	4.380	0.1724	74.33	19.1844	1.22	1.37	***
	0.60	0.0236	4.480	0.1763	77.77	20.0704	0.90	1.01	***
	0.55	0.0216	4.530	0.1783	79.51	20.5209	0.75	***	***
6	1.60	0.0629	2.633	0.1036	38.69	6.9344	7.68	8.67	2.56
	1.40	0.0551	2.833	0.1115	44.79	8.0277	5.88	6.64	1.96
	1.20	0.0472	3.033	0.1194	51.34	9.2011	4.32	4.88	1.44
	1.00	0.0393	3.233	0.1272	58.33	10.4544	3.00	3.39	1.00
	0.80	0.0314	3.433	0.1351	65.77	11.7877	1.92	2.16	***

Crimped Wire Mesh

Plain Crimped

Mesh	Wire		Aperture		Open Area		Weight (kg/m ²)		
	mm	inch	mm	inch	%	mm ²	SS	Cu	Al
6	0.70	0.0275	3.533	0.1391	69.66	12.4844	1.47	1.66	***
	0.60	0.0236	3.633	0.1430	73.66	13.2011	1.08	1.22	***
	0.55	0.0216	3.683	0.1450	75.70	13.5669	0.90	***	***
8	1.60	0.0629	1.575	0.0620	24.60	2.4806	10.24	11.57	3.41
	1.40	0.0551	1.775	0.0698	31.25	3.1506	7.84	8.85	2.61
	1.20	0.0472	1.975	0.0777	38.69	3.9006	5.76	6.50	1.92
	1.00	0.0393	2.175	0.0856	46.92	4.7306	4.00	4.52	1.33
	0.80	0.0314	2.375	0.0935	55.95	5.6406	2.56	2.89	***
	0.70	0.0275	2.475	0.0974	60.76	6.1256	1.96	2.21	***
	0.60	0.0236	2.575	0.1013	65.77	6.6306	1.44	1.62	***
	0.55	0.0216	2.625	0.1033	68.35	6.8906	1.21	***	***
10	1.20	0.0472	1.340	0.0527	27.83	1.7956	7.20	8.13	2.40
	1.00	0.0393	1.540	0.0606	36.75	2.3716	5.00	5.65	1.66
	0.80	0.0314	1.740	0.0685	46.92	3.0276	3.20	3.61	***
	0.70	0.0275	1.840	0.0724	52.47	3.3856	2.45	2.76	***
	0.60	0.0236	1.940	0.0763	58.33	3.7636	1.80	2.03	***
	0.55	0.0216	1.990	0.0783	61.38	3.9601	1.51	***	***

Crimped Wire Mesh

Plain Crimped

Mesh	Wire		Aperture		Open Area		Weight (kg/m ²)		
	mm	inch	mm	inch	%	mm ²	SS	Cu	Al
12	1.20	0.0472	0.916	0.0360	18.75	0.8402	8.64	9.76	2.88
	1.00	0.0393	1.116	0.0439	27.83	1.2469	6.00	6.78	2.00
	0.80	0.0314	1.316	0.0518	38.69	1.7336	3.84	4.33	***
	0.70	0.0275	1.416	0.0557	44.79	2.0069	2.94	3.32	***
	0.60	0.0236	1.516	0.0597	51.34	2.3002	2.16	2.44	***
	0.55	0.0216	1.566	0.0616	54.78	2.4544	1.81	***	***
14	0.80	0.0314	1.014	0.0399	31.25	1.0287	4.48	5.06	***
	0.70	0.0275	1.114	0.0438	37.72	1.2416	3.43	3.87	***
	0.60	0.0236	1.214	0.0478	44.79	1.4744	2.52	2.84	***
	0.55	0.0216	1.264	0.0497	48.56	1.5984	2.11	***	***
16	0.80	0.0314	0.787	0.0310	24.60	0.6201	5.12	5.78	***
	0.70	0.0275	0.887	0.0349	31.25	0.7876	3.92	4.42	***
	0.60	0.0236	0.987	0.0388	38.69	0.9751	2.88	3.25	***
	0.55	0.0216	1.037	0.0408	42.71	1.0764	2.42	***	***
18	0.70	0.0275	0.711	0.0279	25.39	0.5056	4.41	4.98	***
	0.60	0.0236	0.811	0.0319	33.03	0.6579	3.24	3.66	***
	0.55	0.0216	0.861	0.0339	37.23	0.7415	2.72	***	***
20	0.70	0.0275	0.570	0.0224	20.14	0.3249	4.90	5.53	***
	0.60	0.0236	0.670	0.0263	27.83	0.4489	3.60	4.06	***
	0.55	0.0216	0.720	0.0283	32.14	0.5184	3.02	***	***

Crimped Wire Mesh
Plain & Single Intermediate



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