

One mesh. Three openings.

A mesh count is a wire spacing, not an aperture. Hold the mesh and change the wire and the opening moves with it — and so does the open area, and with it the capacity of the deck.

Bold = readily available, commonly stocked. Light is mill grade — more open area and flow, shorter life. Standard is market grade, general-purpose. Heavy trades open area for wear life. Non-bold rows are a reasonable assumption rather than a stocked spec.

Mesh	Wire duty	Opening (μ m)	Opening (mm)	Opening (inch)	Wire $\varnothing$ (mm)	Open area (%)
2	Light	11328	11.328	0.4460	1.372	80%
	Standard	11100	11.100	0.4370	1.600	76%
	Heavy	10620	10.620	0.4181	2.080	70%
4	Light	5461	5.461	0.2150	0.889	74%
	Standard	5156	5.156	0.2030	1.194	66%
	Heavy	4798	4.798	0.1889	1.552	57%
6	Light	3531	3.531	0.1390	0.711	69%
	Standard	3353	3.353	0.1320	0.889	62%
	Heavy	3086	3.086	0.1215	1.156	53%
8	Light	2667	2.667	0.1050	0.508	71%
	Standard	2464	2.464	0.0970	0.711	60%
	Heavy	2250	2.250	0.0886	0.925	50%
10	Light	2032	2.032	0.0800	0.508	64%
	Standard	1905	1.905	0.0750	0.635	56%
	Heavy	1714	1.714	0.0675	0.826	46%
12	Light	1651	1.651	0.0650	0.457	61%
	Standard	1524	1.524	0.0600	0.584	52%
	Heavy	1349	1.349	0.0531	0.759	41%
14	Light	1372	1.372	0.0540	0.432	58%
	Standard	1295	1.295	0.0510	0.508	52%
	Heavy	1143	1.143	0.0450	0.660	40%
16	Light	1181	1.181	0.0465	0.406	55%
	Standard	1130	1.130	0.0445	0.457	51%
	Heavy	993	0.993	0.0391	0.594	39%
18	Light	1031	1.031	0.0406	0.381	53%
	Standard	980	0.980	0.0386	0.432	48%
	Heavy	851	0.851	0.0335	0.561	36%
20	Light	914	0.914	0.0360	0.356	52%
	Standard	864	0.864	0.0340	0.406	46%
	Heavy	742	0.742	0.0292	0.528	34%
24	Light	729	0.729	0.0287	0.330	47%
	Standard	704	0.704	0.0277	0.356	44%
	Heavy	597	0.597	0.0235	0.462	32%
30	Light	605	0.605	0.0238	0.241	51%
	Standard	541	0.541	0.0213	0.305	41%
	Heavy	450	0.450	0.0177	0.396	28%
35	Light	526	0.526	0.0207	0.201	52%
	Standard	447	0.447	0.0176	0.279	38%
	Heavy	363	0.363	0.0143	0.363	25%
40	Light	419	0.419	0.0165	0.216	44%
	Standard	381	0.381	0.0150	0.254	36%
	Heavy	305	0.305	0.0120	0.330	23%
45	Light	417	0.417	0.0164	0.147	55%
	Standard	361	0.361	0.0142	0.203	41%
	Heavy	300	0.300	0.0118	0.264	28%



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The fine end of the range.

Bold = readily available, commonly stocked. Light = mill grade (more open area, shorter life) · standard = market grade · heavy trades open area for wear life.

Mesh	Wire duty	Opening (µm)	Opening (mm)	Opening (inch)	Wire Ø (mm)	Open area (%)
50	Light	318	0.318	0.0125	0.190	39%
	Standard	279	0.279	0.0110	0.229	30%
	Heavy	211	0.211	0.0083	0.297	17%
60	Light	259	0.259	0.0102	0.165	37%
	Standard	234	0.234	0.0092	0.190	30%
	Heavy	178	0.178	0.0070	0.246	18%
70	Light	244	0.244	0.0096	0.119	45%
	Standard	198	0.198	0.0078	0.165	30%
	Heavy	150	0.150	0.0059	0.213	17%
80	Light	216	0.216	0.0085	0.102	46%
	Standard	178	0.178	0.0070	0.140	31%
	Heavy	135	0.135	0.0053	0.183	18%
100	Light	173	0.173	0.0068	0.081	46%
	Standard	140	0.140	0.0055	0.114	30%
	Heavy	104	0.104	0.0041	0.150	17%
120	Light	142	0.142	0.0056	0.069	46%
	Standard	117	0.117	0.0046	0.094	31%
	Heavy	89	0.089	0.0035	0.122	18%
150	Light	122	0.122	0.0048	0.048	51%
	Standard	104	0.104	0.0041	0.066	37%
	Heavy	84	0.084	0.0033	0.086	24%
200	Light	89	0.089	0.0035	0.038	49%
	Standard	74	0.074	0.0029	0.053	34%
	Heavy	58	0.058	0.0023	0.069	21%
325	Light	53	0.053	0.0021	0.025	46%
	Standard	43	0.043	0.0017	0.036	30%
	Heavy	33	0.033	0.0013	0.046	18%
400	Light	44	0.043	0.0017	0.020	47%
	Standard	38	0.038	0.0015	0.025	36%
	Heavy	30	0.030	0.0012	0.033	23%
450	Light	37	0.037	0.0015	0.019	44%
	Standard	32	0.032	0.0013	0.024	32%
	Heavy	24	0.024	0.0010	0.032	19%
500	Light	31	0.031	0.0012	0.020	37%
	Standard	25	0.025	0.0010	0.026	24%
	Heavy	17	0.017	0.0007	0.034	11%
635	Light	24	0.024	0.0009	0.016	36%
	Standard	20	0.020	0.0008	0.020	25%
	Heavy	14	0.014	0.0006	0.026	12%

$$\text{Mesh count} = 25.4 \text{ mm} \div (w + d) \cdot \text{Open area } A_0 = (w \div (w + d))^2 \times 100\%$$

w = aperture (opening) · d = wire diameter. Lighter wire opens the aperture — more open area and flow, shorter life. Heavier wire closes it — more strength and life.

All information provided for reference only. Confirm exact aperture, wire diameter and tolerances per order.



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