

Stainless Steel Wire Mesh Specification Sheet

Detailed woven mesh and Dutch weave reference for specification-based stainless steel mesh quotation.

Use this PDF as a detailed quotation reference. The website product page keeps the buyer-facing summary; this PDF keeps the fuller specification tables and RFQ fields.



Specification groups

- Regular woven mesh table keeps mesh count, wire diameter, opening and open-area fields.
- Dutch weave tables keep plain Dutch, twill Dutch and reverse Dutch references as separate specification groups.
- Use the tables as quotation references; final supply should confirm material grade, tolerance, roll/cut format and quantity.

Regular woven stainless steel mesh

The table keeps the source structure with inch and mm values so buyers can compare older supplier specifications without losing unit context.

Mesh/inch	Wire dia. inch	Wire dia. mm	Opening inch	Opening mm	Open area %
8 x 8	0.028	0.71	0.097	2.46	60.2
10 x 10	0.025	0.64	0.075	1.91	56.3
16 x 16	0.018	0.457	0.0445	1.13	50.7
18 x 18	0.017	0.432	0.0389	0.98	48.3
20 x 20	0.016	0.406	0.0340	0.86	46.2
30 x 30	0.009	0.229	0.0243	0.62	53.1
40 x 40	0.010	0.254	0.0150	0.38	36.0
50 x 50	0.008	0.203	0.0120	0.31	36.0
60 x 60	0.007	0.178	0.0097	0.25	33.9
70 x 70	0.0065	0.165	0.0078	0.20	29.8
80 x 80	0.0055	0.140	0.0070	0.18	31.4
100 x 100	0.004	0.102	0.0060	0.15	36.0
110 x 110	0.0040	0.1016	0.0051	0.1295	30.7
120 x 120	0.0037	0.0940	0.0044	0.1158	30.7
150 x 150	0.0026	0.0660	0.0041	0.1041	37.4
160 x 160	0.0025	0.0635	0.0038	0.0965	36.4
180 x 180	0.0023	0.0584	0.0033	0.0838	34.7
200 x 200	0.0021	0.0533	0.0029	0.0737	33.6
250 x 250	0.0016	0.0406	0.0024	0.0610	36.0
270 x 270	0.0016	0.0406	0.0021	0.0533	32.2
300 x 300	0.0015	0.0381	0.0018	0.0457	29.7
325 x 325	0.0014	0.0356	0.0017	0.0432	30.0
400 x 400	0.0010	0.0254	0.0015	0.0370	36.0
500 x 500	0.0010	0.0254	0.0010	0.0254	25.0
635 x 635	0.0008	0.0203	0.0008	0.0203	25.0

Plain Dutch weave specifications

Mesh count per 25.4 mm	Absolute micron retention um	Weight kg/m2	Cloth thickness mm
80 x 300	32-36	0.98	0.25
80 x 400	36-45	0.82	0.23
50 x 250	56-63	1	0.32
50 x 280	71-75	1	0.32
40 x 200	75-80	1.3	0.4
30 x 150	80-100	1	0.5
24 x 110	100-112	2.5	0.76
22 x 140	140-170	2.1	0.66
20 x 150	160-180	1.55	0.5
20 x 150	170-190	1.6	0.55
18 x 100	200-210	2.05	0.69
14 x 110	220-240	2.15	0.72
12 x 95	240-260	2.3	0.79
14 x 88	280-300	3.15	0.76
10 x 90	270-290	2.5	0.93
12 x 64	280-300	4.1	1.21
10 x 70	315-335	3	1.04
8 x 85	325-350	2.5	0.93

Reverse Dutch weave specifications

Warp mesh	Weft mesh	Warp wire mm	Weft wire mm	Mesh thickness mm
72	15	0.5	0.5	1.8
132	14	0.355	0.45	1.4
132	18	0.355	0.45	1.4
152	24	0.315	0.355	1.04
228	36	0.19	0.28	0.85

Twill Dutch weave specifications

Mesh count per 25.4 mm	Absolute micron retention um	Weight kg/m2	Cloth thickness mm
510 x 3600	4-5	0.3	0.06
400 x 2800	5-6	0.36	0.06
375 x 2300	6-7	0.39	0.08
325 x 2300	7-8	0.47	0.09
260 x 1550	8-10	0.68	0.12
250 x 1400	11-12	0.68	0.12
200 x 1400	11-13	0.75	0.14
130 x 700	13-15	1.6	0.28
200 x 1120	15-17	0.95	0.16
165 x 1400	15-18	0.7	0.15
165 x 1100	20-21	0.9	0.16
80 x 700	34-36	1.2	0.26
40 x 560	71-80	1.7	0.39
30 x 360	95-106	2.6	0.54
30 x 250	100-112	3.2	0.65
20 x 260	110-120	3.1	0.67
28 x 560	106-112	1.95	0.46
24 x 300	112-118	2.85	0.63

RFQ fields: stainless grade, mesh count, wire diameter, opening or micron rating, weave type, roll/sheet/disc size, quantity, packing and destination.