

Market Grade

Mesh Count / Inch	Wire Diameter Inch	Mesh Opening		Open Area Percent
		Inch	Micron	
2	0.063	0.4370	11100	76.4
3	0.054	0.2790	7087	70.1
4	0.047	0.2030	5156	65.9
4	0.063	0.1870	4750	56.0
5	0.041	0.1590	4039	63.2
6	0.035	0.1320	3353	62.7
7	0.035	0.1080	2743	57.2
8	0.028	0.0970	2464	60.2
8	0.035	0.0900	2286	51.8
10	0.025	0.0750	1905	56.3
11	0.018	0.0730	1854	64.5
12	0.023	0.0600	1524	51.8
12	0.028	0.0550	1397	43.6
14	0.020	0.0510	1295	51.0
16	0.018	0.0445	1130	50.7
18	0.017	0.0386	980	48.3
20	0.016	0.0340	864	46.2
24	0.014	0.0277	704	44.2
30	0.012	0.0213	541	40.8
35	0.011	0.0176	447	33.8
40	0.010	0.0150	381	36.0
50	0.009	0.0110	279	30.3
60	0.0075	0.0092	234	30.5
80	0.0055	0.0070	178	31.4
100	0.0045	0.0055	140	30.3
120	0.0037	0.0046	117	30.5
150	0.0026	0.0041	104	37.9
180	0.0023	0.0033	84	34.7
200	0.0021	0.0029	74	33.6
250	0.0016	0.0024	61	36.0
270	0.0016	0.0021	53	32.2
325	0.0014	0.0017	43	30.5
400	0.0010	0.0015	38	36.0
510	0.0010	0.0010	25	26.0
635	0.0008	0.0008	20	25.8

* The Market Grade has larger wire diameters and are stronger than the Bolting or Mill Grades but have less open area.

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Bolting Cloth Grade (TBC)

Mesh Count / Inch	Wire Diameter Inch	Mesh Opening		Opening Area Percent
		Inch	Micron	
14	0.0090	0.6200	15748	76.4
16	0.0090	0.0535	1359	73.3
18	0.0090	0.0466	1184	70.2
20	0.0090	0.0410	1041	67.2
22	0.0075	0.0380	965	69.7
24	0.0075	0.0342	869	67.2
26	0.0075	0.0310	787	64.8
28	0.0075	0.0282	716	62.4
30	0.0065	0.0268	681	64.8
32	0.0065	0.0248	630	62.7
34	0.0065	0.0229	582	60.7
36	0.0065	0.0213	541	58.7
38	0.0065	0.0198	503	56.7
40	0.0065	0.0185	470	54.8
42	0.0055	0.0183	465	59.1
43	0.0050	0.0183	465	61.6
44	0.0055	0.0172	437	57.4
46	0.0045	0.0172	437	62.9
48	0.0045	0.0163	414	61.5
50	0.0045	0.0155	394	60.1
54	0.0040	0.0145	368	61.5
56	0.0040	0.0138	351	60.2
58	0.0040	0.0132	335	59.0
60	0.0040	0.0127	323	57.8
62	0.0040	0.0121	307	56.5
66	0.0040	0.0112	284	54.2
70	0.0037	0.0106	269	54.9
72	0.0037	0.0102	259	53.8
74	0.0037	0.0098	249	52.7
76	0.0037	0.0095	241	51.7
78	0.0037	0.0091	231	50.6
80	0.0037	0.0088	224	49.6
84	0.0035	0.0084	213	49.8
88	0.0035	0.0079	201	47.9
90	0.0035	0.0076	193	47.8
94	0.0035	0.0071	180	45.0
105	0.0030	0.0065	165	46.9
120	0.0026	0.0058	147	47.3
135	0.0023	0.0051	130	47.4
145	0.0022	0.0047	119	46.4
165	0.0019	0.0042	107	47.1
200	0.0016	0.0034	86	46.2
230	0.0014	0.0029	74	46.0

* The Bolting Cloth Grade has a smaller wire diameter and consequently a high percentage of open area. This provides greater throughput capacity.

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Mill Grade

Mesh Count	Wire Diameter	Mesh Opening		Open Area
2	0.0540	0.4660	11328	79.6
3	0.0410	0.2923	7424	76.7
4	0.0350	0.2150	5461	74.0
5	0.0320	0.1680	4267	70.6
6	0.0280	0.1387	3523	69.6
7	0.0280	0.1149	2918	64.8
8	0.0250	0.1000	2540	64.0
9	0.0230	0.0881	2238	62.7
10	0.0200	0.0800	2032	64.0
11	0.0200	0.0709	1801	61.0
12	0.0180	0.0653	1659	60.8
14	0.0170	0.0544	1382	57.2
16	0.0160	0.0465	1181	55.4
18	0.0150	0.0406	1031	53.4
20	0.0140	0.036	914	51.8
22	0.0135	0.032	813	49.6
24	0.0130	0.0287	729	47.4
26	0.0110	0.0275	699	51.1
28	0.0100	0.0257	653	51.8
30	0.0095	0.0238	605	51.0
32	0.0090	0.0223	566	50.9
34	0.0090	0.0204	518	48.1
36	0.0090	0.0188	478	45.8
38	0.0085	0.0178	452	45.8
40	0.0085	0.0165	419	42.6
45	0.0080	0.0142	361	40.8
50	0.0075	0.0125	318	39.1
55	0.0070	0.0112	284	37.9
60	0.0065	0.0102	259	37.5

- The Mill Grade wire diameters are between the Market and Bolting Cloth Grades. They are a compromise when strength and high capacity is needed.
- All three grades are available in Type 304 and Type 316 Stainless Steel. Many screens are also available in Type 430 Stainless Steel, which is magnetic.

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U. S. Standard Particle Sizes ASTM E11

U.S. Mesh	Inches	Microns	MM
3	0.265	6730	6.73
4	0.187	4750	4.75
5	0.157	4000	4.00
6	0.132	3350	3.35
7	0.111	2800	2.80
8	0.0929	2360	2.36
10	0.0787	2000	2.00
12	0.0669	1700	1.70
14	0.0551	1400	1.40
16	0.0456	1180	1.18
18	0.0394	1000	1.00
20	0.0335	850	0.850
25	0.0280	710	0.710
30	0.0232	600	0.600
35	0.0197	500	0.500
40	0.0167	425	0.425
45	0.0140	355	0.335
50	0.0118	300	0.300
60	0.0098	250	0.250
70	0.0083	212	0.212
80	0.0070	180	0.180
100	0.0059	150	0.150
120	0.0049	125	0.125
140	0.0042	105	0.105
170	0.0035	90	0.090
200	0.0030	75	0.075
230	0.0025	63	0.063
270	0.0021	53	0.053
325	0.0018	45	0.045
400	0.0015	38	0.038
450	0.0013	32	0.032
500	0.0010	25	0.025
635	0.0008	20	0.020

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2828 Clinton Avenue | Cleveland, Ohio 44113 | 216-241-7157 | 800-221-3298 | Fax 216-241-3480 | www.clevelandvibrator.com