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We Put Technology in Motion™

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Particle Size to Screen Mesh Conversion Chart

Tensile Bolting Cloth

Mesh TBC	Opening Inches	Opening Microns	Wire Dia. Inches	Wire Dia. Microns	% Open Area
14	.0620	1575	.0090	229	76.4%
16	.0535	1359	.0090	229	73.3%
18	.0466	1184	.0090	229	70.2%
20	.0410	1041	.0090	229	67.2%
22	.0380	965	.0075	191	69.7%
24	.0342	869	.0075	191	67.2%
26	.0310	787	.0075	191	64.8%
28	.0282	716	.0075	191	62.4%
30	.0268	681	.0065	165	64.8%
32	.0248	630	.0065	165	62.7%
34	.0229	582	.0065	165	60.7%
36	.0213	541	.0065	165	58.7%
38	.0198	503	.0065	165	56.7%
40	.0185	470	.0065	165	54.8%
42	.0183	465	.0055	140	59.1%
44	.0172	437	.0055	140	57.4%
46	.0162	411	.0055	140	55.8%
48	.0153	389	.0055	140	54.2%
50	.0145	368	.0055	140	52.6%
52	.0137	348	.0055	140	51.0%
54	.0130	330	.0055	140	49.4%
58	.0127	323	.0045	114	54.6%
60	.0122	310	.0045	114	53.3%
62	.0116	295	.0045	114	51.7%
64	.0111	282	.0045	114	50.7%
70	.0106	269	.0037	94	54.9%
72	.0102	259	.0037	94	53.8%
74	.0098	249	.0037	94	52.7%
76	.0095	241	.0037	94	51.7%
78	.0091	231	.0037	94	50.6%
80	.0088	224	.0037	94	49.6%
84	.0084	213	.0035	89	49.8%
88	.0079	201	.0035	89	47.9%
90	.0076	193	.0035	89	47.0%
94	.0071	180	.0035	89	45.0%
105	.0065	165	.0030	76	46.9%
120	.0058	147	.0026	67	47.3%
135	.0051	130	.0023	58	47.4%
145	.0047	119	.0022	56	46.4%
165	.0042	107	.0019	49	47.1%
200	.0034	86	.0016	41	46.2%
230	.0029	74	.0014	35	46.0%
300	.0022	56	.0012	30	42.0%

Mill Grade

Mesh MILL	Opening Inches	Opening Microns	Wire Dia. Inches	Wire Dia. Microns	% Open Area
2	.4460	11328	.0540	1372	79.6%
3	.2923	7424	.0410	1041	76.7%
4	.2150	5461	.0350	889	74.0%
5	.1680	4267	.0320	813	70.6%
6	.1387	3523	.0280	711	69.6%
7	.1149	2918	.0280	711	64.8%
8	.1000	2540	.0250	635	64.0%
9	.0881	2238	.0230	584	62.7%
10	.0800	2032	.0200	508	64.0%
11	.0709	1801	.0200	508	61.0%
12	.0653	1659	.0180	457	60.8%
14	.0544	1382	.0170	432	57.2%
16	.0465	1181	.0160	406	55.4%
18	.0406	1031	.0150	381	53.4%
20	.0360	914	.0140	356	51.8%
22	.0320	813	.0135	343	49.6%
24	.0287	729	.0130	330	47.4%
26	.0275	699	.0110	279	51.1%
28	.0257	653	.0100	254	51.8%
30	.0238	605	.0095	241	51.0%
32	.0223	566	.0090	229	50.9%
34	.0204	518	.0090	229	48.1%
36	.0188	478	.0090	229	45.8%
38	.0178	452	.0085	216	45.8%
40	.0165	419	.0085	216	43.6%
45	.0142	361	.0080	203	40.8%
50	.0125	318	.0075	191	39.1%
55	.0112	284	.0070	178	37.9%
60	.0102	259	.0065	165	37.5%

Market Grade

Mesh MG	Opening Inches	Opening Microns	Wire Dia. Inches	Wire Dia. Microns	% Open Area
2	.4370	11100	.0630	1600	76.4%
3	.2790	7087	.0540	1372	70.1%
4	.2030	5156	.0470	1194	65.9%
4H	.1870	4750	.0630	1600	56.0%
5	.1590	4039	.0410	1041	63.2%
6	.1319	3350	.0350	889	62.7%
7	.1080	2743	.0350	889	57.2%
8	.0970	2464	.0280	711	60.2%
10	.0750	1905	.0250	635	56.3%
11	.0730	1854	.0180	457	64.5%
12	.0603	1532	.0230	584	52.4%
14	.0515	1308	.0200	508	52.0%
16	.0445	1132	.0180	457	50.7%
18	.0386	982	.0170	431	48.3%
20	.0340	865	.0160	407	46.2%
24	.0277	704	.0140	355	44.2%
30	.0213	542	.0120	305	41.0%
35	.0176	448	.0110	279	37.9%
40	.0150	382	.0100	254	36.0%
50	.0110	279	.0090	229	30.3%
60	.0092	234	.0075	190	30.5%
70	.0078	198	.0065	165	29.8%
80	.0070	178	.0055	140	31.4%
100	.0055	140	.0045	114	30.3%
120	.0047	120	.0036	92	31.8%
150	.0041	104	.0026	65	37.9%
170	.0035	89	.0024	61	35.4%
200	.0029	74	.0021	53	33.6%
250	.0024	61	.0016	41	36.0%
270	.0021	53	.0016	41	32.0%
325	.0017	43	.0014	35	30.5%
400	.0015	38	.0010	25	36.0%
500	.0010	25	.0010	25	25.0%
635	.0008	20	.0008	20	25.0%

Clear Opening

Mesh CLOP	Opening Inches	Opening Microns	Wire Dia. Inches	Wire Dia. Microns	% Open Area
1-1/8	1.1250	28575	.120	3048	81.7%
1	1.0000	25400	.105	2667	81.9%
7/8	.8750	22225	.105	2667	79.7%
3/4	.7500	19050	.063	1600	85.1%
5/8	.6250	15875	.063	1600	82.5%
9/16	.5625	14288	.063	1600	80.9%
1/2	.5000	12700	.047	1194	83.6%
7/16	.4375	11113	.047	1194	81.5%
3/8	.3750	9525	.047	1194	79.0%
5/16	.3125	7938	.047	1194	75.6%
1/4	.2500	6350	.047	1194	70.9%
3/16	.1875	4763	.041	1041	67.3%
1/8	.1250	3175	.041	1041	56.7%

U.S. Std. Sieve

Closest Std Sieve	Opening Inches	Opening Microns	Wire Dia. Inches	Wire Dia. Microns
3.5	.2230	5600	.0630	1600
4	.1870	4750	.0630	1600
5	.1570	4000	.0551	1400
6	.1320	3350	.0492	1250
7	.1100	2800	.0441	1120
8	.0937	2360	.0394	1000
10	.0787	2000	.0354	900
12	.0661	1700	.0315	800
14	.0555	1400	.0280	710
16	.0469	1180	.0248	630
18	.0394	1000	.0220	560
20	.0331	850	.0197	500
25	.0278	710	.0177	450
30	.0234	600	.0157	400
35	.0197	500	.0124	315
40	.0165	425	.0110	280
45	.0139	355	.0088	224
50	.0117	300	.0079	200
60	.0098	250	.0063	160
70	.0083	212	.0055	140
80	.0070	180	.0049	125
100	.0059	150	.0039	100
120	.0049	125	.0035	90
140	.0041	106	.0028	71
170	.0035	90	.0025	63
200	.0029	75	.0020	50
230	.0025	63	.0018	45
270	.0021	53	.0014	36
325	.0017	45	.0013	32
400	.0015	38	.0012	30
500	.0010	25	.0010	25
635	.0008	20	.0008	20