



# SCREEN SERVICES MESH SPECIFICATIONS

Opening Inches	Mesh Count	Wire Diameter	Wt. per Sq. Foot	Open Area	Opening Microns
0.3013	3	0.0320	0.1978	81.7%	7653
0.2983	3	0.0350	0.2368	80.1%	7577
0.2923	3	0.0410	0.3256	76.9%	7424
0.2863	3	0.0470	0.4289	73.8%	7272
0.2793	3	0.0540	0.5680	70.2%	7094
0.2703	3	0.0630	0.7766	65.8%	6866
0.2613	3	0.0720	1.0197	61.4%	6637
<b>0.2533</b>	<b>3</b>	<b>0.0800</b>	<b>1.2654</b>	<b>57.7%</b>	<b>6434</b>
0.2413	3	0.0920	1.6882	52.4%	6129
0.2283	3	0.1050	2.2224	46.9%	5799
0.2133	3	0.1200	2.9426	40.9%	5418
0.1983	3	0.1350	3.7805	35.4%	5037
0.2250	4	0.0250	0.1610	81.0%	5715
0.2220	4	0.0280	0.2022	78.9%	5639
0.2180	4	0.0320	0.2646	76.0%	5537
0.2150	4	0.0350	0.3171	74.0%	5461
0.2090	4	0.0410	0.4367	69.9%	5309
0.2030	4	0.0470	0.5762	65.9%	5156
0.1960	4	0.0540	0.7648	61.5%	4978
<b>0.1870</b>	<b>4</b>	<b>0.0630</b>	<b>1.0493</b>	<b>56.0%</b>	<b>4750</b>
0.1780	4	0.0720	1.3830	50.7%	4521
0.1700	4	0.0800	1.7226	46.2%	4318
0.1580	4	0.0920	2.3120	39.9%	4013
0.1450	4	0.1050	3.0655	33.6%	3683
0.1300	4	0.1200	4.0947	27.0%	3302
0.1467	6	0.0200	0.1549	77.5%	3726
0.1437	6	0.0230	0.2053	74.3%	3650
0.1417	6	0.0250	0.2430	72.3%	3599
0.1387	6	0.0280	0.3057	69.3%	3523
0.1347	6	0.0320	0.4010	65.3%	3421
<b>0.1317</b>	<b>6</b>	<b>0.0350</b>	<b>0.4813</b>	<b>62.4%</b>	<b>3345</b>
0.1257	6	0.0410	0.6657	56.9%	3193
0.1197	6	0.0470	0.8826	51.6%	3040
0.1127	6	0.0540	1.1787	45.7%	2863
0.1037	6	0.0630	1.6316	38.7%	2634
0.0947	6	0.0720	2.1715	32.3%	2405
0.0867	6	0.0800	2.7298	27.1%	2202
0.1080	8	0.0170	0.1495	74.6%	2743
0.1070	8	0.0180	0.1678	73.3%	2718
0.1050	8	0.0200	0.2077	70.6%	2667
0.1020	8	0.0230	0.2758	66.6%	2591
0.1000	8	0.0250	0.3268	64.0%	2540
<b>0.0970</b>	<b>8</b>	<b>0.0280</b>	<b>0.4119</b>	<b>60.2%</b>	<b>2464</b>
0.0930	8	0.0320	0.5419	55.4%	2362
0.0900	8	0.0350	0.6522	51.8%	2286
0.0840	8	0.0410	0.9070	45.2%	2134
0.0780	8	0.0470	1.2100	38.9%	1981
0.0710	8	0.0540	1.6286	32.3%	1803
0.0620	8	0.0630	2.2788	24.6%	1575
0.0820	10	0.0180	0.2110	67.2%	2083
0.0800	10	0.0200	0.2614	64.0%	2032
0.0770	10	0.0230	0.3479	59.3%	1956
<b>0.0750</b>	<b>10</b>	<b>0.0250</b>	<b>0.4129</b>	<b>56.3%</b>	<b>1905</b>
0.0720	10	0.0280	0.5218	51.8%	1829
0.0680	10	0.0320	0.6890	46.2%	1727
0.0650	10	0.0350	0.8318	42.3%	1651
0.0590	10	0.0410	1.1644	34.8%	1499
0.0530	10	0.0470	1.5643	28.1%	1346
0.0460	10	0.0540	2.1239	21.2%	1168
0.0370	10	0.0630	3.0064	13.7%	940

Opening Inches	Mesh Count	Wire Diameter	Wt. per Sq. Foot	Open Area	Opening Microns
0.0653	12	0.0180	0.2549	61.4%	1659
0.0633	12	0.0200	0.3164	57.7%	1608
<b>0.0603</b>	<b>12</b>	<b>0.0230</b>	<b>0.4220</b>	<b>52.4%</b>	<b>1532</b>
0.0583	12	0.0250	0.5018	48.9%	1481
0.0553	12	0.0280	0.6361	44.0%	1405
0.0513	12	0.0320	0.8436	37.9%	1303
0.0483	12	0.0350	1.0218	33.6%	1227
0.0544	14	0.0170	0.2665	58.0%	1382
0.0534	14	0.0180	0.2998	55.9%	1356
<b>0.0514</b>	<b>14</b>	<b>0.0200</b>	<b>0.3727</b>	<b>51.8%</b>	<b>1306</b>
0.0484	14	0.0230	0.4986	45.9%	1229
0.0464	14	0.0250	0.5941	42.2%	1179
0.0434	14	0.0280	0.7556	36.9%	1102
0.0394	14	0.0320	1.0068	30.4%	1001
0.0364	14	0.0350	1.2240	26.0%	925
0.0304	14	0.0410	1.7391	18.1%	772
0.0535	16	0.0090	0.0839	73.3%	1359
0.0525	16	0.0100	0.1038	70.6%	1334
0.0515	16	0.0110	0.1260	67.9%	1308
0.0505	16	0.0120	0.1504	65.3%	1283
0.0495	16	0.0130	0.1770	62.7%	1257
0.0485	16	0.0140	0.2060	60.2%	1232
0.0475	16	0.0150	0.2373	57.8%	1207
0.0465	16	0.0160	0.2710	55.4%	1181
0.0455	16	0.0170	0.3071	53.0%	1156
<b>0.0445</b>	<b>16</b>	<b>0.0180</b>	<b>0.3457</b>	<b>50.7%</b>	<b>1130</b>
0.0425	16	0.0200	0.4307	46.2%	1080
0.0395	16	0.0230	0.5780	39.9%	1003
0.0375	16	0.0250	0.6903	36.0%	953
0.0345	16	0.0280	0.8809	30.5%	876
0.0305	16	0.0320	1.1797	23.8%	775
0.0275	16	0.0350	1.4397	19.4%	699
0.0466	18	0.0090	0.0947	70.4%	1184
0.0456	18	0.0100	0.1172	67.4%	1158
0.0446	18	0.0110	0.1423	64.4%	1133
0.0436	18	0.0120	0.1699	61.6%	1107
0.0426	18	0.0130	0.2002	58.8%	1082
0.0416	18	0.0140	0.2332	56.1%	1057
0.0406	18	0.0150	0.2689	53.4%	1031
0.0396	18	0.0160	0.3073	50.8%	1006
<b>0.0386</b>	<b>18</b>	<b>0.0170</b>	<b>0.3486</b>	<b>48.3%</b>	<b>980</b>
0.0376	18	0.0180	0.3929	45.8%	955
0.0356	18	0.0200	0.4904	41.1%	904
0.0326	18	0.0230	0.6605	34.4%	828
0.0306	18	0.0250	0.7906	30.3%	777
0.0276	18	0.0280	1.0128	24.7%	701
0.0236	18	0.0320	1.3632	18.0%	599
0.0410	20	0.0090	0.1055	67.2%	1041
0.0405	20	0.0095	0.1177	65.6%	1029
0.0400	20	0.0100	0.1307	64.0%	1016
0.0390	20	0.0110	0.1588	60.8%	991
0.0380	20	0.0120	0.1898	57.8%	965
0.0370	20	0.0130	0.2238	54.8%	940
0.0365	20	0.0135	0.2420	53.3%	927
0.0360	20	0.0140	0.2609	51.8%	914
0.0350	20	0.0150	0.3011	49.0%	889
<b>0.0340</b>	<b>20</b>	<b>0.0160</b>	<b>0.3445</b>	<b>46.2%</b>	<b>864</b>
0.0330	20	0.0170	0.3913	43.6%	838
0.0320	20	0.0180	0.4414	41.0%	813
0.0300	20	0.0200	0.5522	36.0%	762



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0.0270	20	0.0230	0.7464	29.2%	686
0.0250	20	0.0250	0.8957	25.0%	635
0.0342	24	0.0075	0.0879	67.4%	869
0.0337	24	0.0080	0.1002	65.4%	856
0.0332	24	0.0085	0.1134	63.5%	843
0.0327	24	0.0090	0.1275	61.6%	831
0.0322	24	0.0095	0.1424	59.7%	818
0.0317	24	0.0100	0.1582	57.9%	805
0.0307	24	0.0110	0.1925	54.3%	780
0.0297	24	0.0120	0.2305	50.8%	754
0.0287	24	0.0130	0.2723	47.4%	729
0.0282	24	0.0135	0.2947	45.8%	716
<b>0.0277</b>	<b>24</b>	<b>0.0140</b>	<b>0.3180</b>	<b>44.2%</b>	<b>704</b>
0.0267	24	0.0150	0.3678	41.1%	678
0.0257	24	0.0160	0.4218	38.0%	653
0.0247	24	0.0170	0.4801	35.1%	627
0.0237	24	0.0180	0.5429	32.4%	602
0.0217	24	0.0200	0.6825	27.1%	551
0.0258	30	0.0075	0.1109	59.9%	655
0.0253	30	0.0080	0.1265	57.6%	643
0.0248	30	0.0085	0.1434	55.4%	630
0.0243	30	0.0090	0.1613	53.1%	617
0.0238	30	0.0095	0.1804	51.0%	605
0.0233	30	0.0100	0.2007	48.9%	592
0.0223	30	0.0110	0.2450	44.8%	566
<b>0.0213</b>	<b>30</b>	<b>0.0120</b>	<b>0.2943</b>	<b>40.8%</b>	<b>541</b>
0.0203	30	0.0130	0.3488	37.1%	516
0.0198	30	0.0135	0.3781	35.3%	503
0.0193	30	0.0140	0.4087	33.5%	490
0.0183	30	0.0150	0.4744	30.1%	465
0.0173	30	0.0160	0.5460	26.9%	439
0.0163	30	0.0170	0.6237	23.9%	414
0.0180	40	0.0070	0.1304	51.8%	457
0.0175	40	0.0075	0.1505	49.0%	445
0.0170	40	0.0080	0.1723	46.2%	432
0.0165	40	0.0085	0.1956	43.6%	419
0.0160	40	0.0090	0.2207	41.0%	406
0.0155	40	0.0095	0.2475	38.4%	394
<b>0.0150</b>	<b>40</b>	<b>0.0100</b>	<b>0.2761</b>	<b>36.0%</b>	<b>381</b>
0.0140	40	0.0110	0.3389	31.4%	356
0.0130	40	0.0120	0.4095	27.0%	330
0.0120	40	0.0130	0.4883	23.0%	305
0.0115	40	0.0135	0.5310	21.2%	292
0.0125	50	0.0075	0.1925	39.1%	318
0.0120	50	0.0080	0.2209	36.0%	305
0.0115	50	0.0085	0.2516	33.1%	292
<b>0.0110</b>	<b>50</b>	<b>0.0090</b>	<b>0.2846</b>	<b>30.3%</b>	<b>279</b>
0.0105	50	0.0095	0.3202	27.6%	267
0.0100	50	0.0100	0.3583	25.0%	254
0.0090	50	0.0110	0.4425	20.2%	229
0.0080	50	0.0120	0.5381	16.0%	203
0.0107	60	0.0060	0.1471	41.2%	272
0.0102	60	0.0065	0.1744	37.5%	259
0.0097	60	0.0070	0.2044	33.9%	246
<b>0.0092</b>	<b>60</b>	<b>0.0075</b>	<b>0.2372</b>	<b>30.5%</b>	<b>234</b>
0.0087	60	0.0080	0.2730	27.2%	221
0.0082	60	0.0085	0.3119	24.2%	208
0.0077	60	0.0090	0.3540	21.3%	196
0.0067	60	0.0100	0.4484	16.2%	170
0.0057	60	0.0110	0.5575	11.7%	145

Opening Inches	Mesh Count	Wire Diameter	Wt. per Sq. Foot	Open Area	Opening Microns
0.0075	80	0.0050	0.1381	36.0%	191
<b>0.0070</b>	<b>80</b>	<b>0.0055</b>	<b>0.1694</b>	<b>31.4%</b>	<b>178</b>
0.0065	80	0.0060	0.2047	27.0%	165
0.0060	80	0.0065	0.2442	23.0%	152
0.0055	80	0.0070	0.2879	19.4%	140
0.0050	80	0.0075	0.3363	16.0%	127
0.0070	100	0.0030	0.0602	49.0%	178
0.0065	100	0.0035	0.0832	42.3%	165
0.0060	100	0.0040	0.1104	36.0%	152
<b>0.0055</b>	<b>100</b>	<b>0.0045</b>	<b>0.1423</b>	<b>30.3%</b>	<b>140</b>
0.0050	100	0.0050	0.1791	25.0%	127
<b>0.0039</b>	<b>150</b>	<b>0.0028</b>	<b>0.0817</b>	<b>34.2%</b>	<b>99</b>
<b>0.0029</b>	<b>200</b>	<b>0.0021</b>	<b>0.0613</b>	<b>33.6%</b>	<b>74</b>
<b>0.0020</b>	<b>325</b>	<b>0.0011</b>	<b>0.0268</b>	<b>42.3%</b>	<b>51</b>

\* \* \* \* \*

All dimensions listed are **nominal** sizes.

Fine meshes are most often specified by “mesh count”. Mesh count is the number of wires per inch and is usually the same vertically and horizontally. Rectangular weave is also available as special order.

The highlighted items are “Market Grade” which is the industry standard wire diameter for a given mesh count, and is the most commonly available specification. Other mesh counts and wire diameters may also be readily available, or if the quantity is sufficient, can be manufactured to order. Please contact **Screen Services** with your specific needs. See our quote request form: [quote\\_request\\_wire\\_mesh.pdf](#)

The common alloy available is T304 stainless steel, but T316 is also often readily obtainable. Other alloys and materials can also be supplied. Please call **Screen Services** with your particular requirements.

Fabrication services such as cutting to size, slitting, circle cutting, forming, and welding can also be provided by **Screen Services**.

One Micron is equal to 0.0000393704 inches.

In addition to fine mesh, **Screen Services** supplies a wide variety of other screening products, including **profile wire** screens for mining, water systems, pulp and paper, and petro-chemical processing, and **perforated plate**.