



Mesh*/Micron/Inch Conversions

| U.S. SIEVE | | | MARKET GRADE | | | | | MILL GRADE | | | | | TENSILE BOLTING CLOTH | | | | |
|------------|----------------------|---------|--------------|-----------------|----------------------|---------|-------------|------------|-----------------|----------------------|---------|-------------|-----------------------|-----------------|----------------------|---------|-------------|
| SIEVE NO. | OPENING SIZE INCHES* | MICRONS | MESH SIZE | WIRE SIZE (in.) | OPENING SIZE INCHES* | MICRONS | % OPEN AREA | MESH SIZE | WIRE SIZE (in.) | OPENING SIZE INCHES* | MICRONS | % OPEN AREA | MESH SIZE | WIRE SIZE (in.) | OPENING SIZE INCHES* | MICRONS | % OPEN AREA |
| 1 in. | 1.0000 | 25400 | | | | | | | | | | | | | | | |
| 7/8 in. | 0.8750 | 22400 | | | | | | | | | | | | | | | |
| 3/4 in. | 0.7500 | 19050 | | | | | | | | | | | | | | | |
| 5/8 in. | 0.6250 | 16000 | | | | | | | | | | | | | | | |
| 1/2 in. | 0.5000 | 12500 | | | | | | 2 | 0.054 | 0.446 | 11330 | 79.6 | | | | | |
| 7/16 in. | 0.4380 | 11200 | 2 | 0.0630 | 0.4370 | 11100 | 76.4 | | | | | | | | | | |
| 3/8 in. | 0.3750 | 9500 | | | | | | 3 | 0.041 | 0.292 | 7420 | 76.7 | | | | | |
| 5/16 in. | 0.3120 | 8000 | 3 | 0.0540 | 0.2790 | 7090 | 70.1 | | | | | | | | | | |
| 1/4 in. | 0.2500 | 6300 | | | | | | 4 | 0.035 | 0.215 | 5460 | 74.0 | | | | | |
| 3 1/2 | 0.2230 | 5600 | | | | | | | | | | | | | | | |
| | | | 4 | 0.0475 | 0.2023 | 5138 | 65.9 | | | | | | | | | | |
| 4 | 0.1870 | 4750 | 4 | 0.0630 | 0.1870 | 4750 | 56.0 | 5 | 0.032 | 0.168 | 4270 | 70.6 | | | | | |
| | | | 5 | 0.0410 | 0.1590 | 4040 | 63.2 | | | | | | | | | | |
| 5 | 0.1570 | 4000 | | | | | | 6 | 0.028 | 0.139 | 3530 | 69.6 | | | | | |
| 6 | 0.1320 | 3350 | 6 | 0.0350 | 0.1318 | 3350 | 62.7 | 7 | 0.028 | 0.115 | 2920 | 64.8 | | | | | |
| 7 | 0.1110 | 2800 | 7 | 0.0290 | 0.1080 | 2740 | 57.2 | 8 | 0.025 | 0.100 | 2540 | 64.0 | | | | | |
| | | | 8 | 0.0286 | 0.0964 | 2463 | 60.2 | | | | | | | | | | |
| 8 | 0.0940 | 2360 | | | | | | 9 | 0.023 | 0.088 | 2240 | 62.7 | | | | | |
| | | | | | | | | 10 | 0.020 | 0.080 | 2030 | 64.0 | | | | | |
| 10 | 0.0790 | 2000 | 10 | 0.0258 | 0.0742 | 1910 | 56.3 | | | | | | | | | | |
| | | | 11 | 0.0180 | 0.0730 | 1850 | 64.5 | | | | | | | | | | |
| 12 | 0.0660 | 1700 | | | | | | 12 | 0.018 | 0.065 | 1650 | 60.8 | 14 | 0.0090 | 0.0620 | 1580 | 76.4 |
| | | | 12 | 0.0230 | 0.0603 | 1530 | 51.8 | | | | | | | | | | |
| 14 | 0.0550 | 1400 | | | | | | 14 | 0.017 | 0.054 | 1370 | 57.2 | 16 | 0.0090 | 0.0535 | 1360 | 73.3 |
| | | | 14 | 0.0204 | 0.0510 | 1310 | 51.0 | | | | | | | | | | |
| 16 | 0.0469 | 1190 | | | | | | 16 | 0.016 | 0.047 | 1180 | 55.4 | 18 | 0.0090 | 0.0466 | 1180 | 70.2 |
| | | | 16 | 0.0181 | 0.0445 | 1130 | 50.7 | | | | | | 20 | 0.0090 | 0.0410 | 1040 | 67.2 |
| 18 | 0.0394 | 1000 | | | | | | 18 | 0.015 | 0.041 | 1030 | 53.4 | | | | | |
| | | | 18 | 0.0173 | 0.0386 | 979 | 48.3 | | | | | | 22 | 0.0075 | 0.0380 | 964 | 69.7 |
| | | | | | | | | 20 | 0.014 | 0.036 | 910 | 51.8 | 24 | 0.0075 | 0.0342 | 868 | 67.2 |
| 20 | 0.0331 | 850 | | | | | | | | | | | | | | | |
| | | | 20 | 0.0162 | 0.0340 | 864 | 46.2 | 22 | 0.014 | 0.032 | 810 | 49.6 | 26 | 0.0075 | 0.0310 | 786 | 64.8 |
| 25 | 0.0278 | 710 | | | | | | 24 | 0.013 | 0.029 | 730 | 47.4 | 28 | 0.0075 | 0.0282 | 716 | 62.4 |
| | | | 24 | 0.0140 | 0.0277 | 704 | 44.2 | 26 | 0.011 | 0.028 | 700 | 51.1 | 30 | 0.0065 | 0.0268 | 681 | 64.8 |
| | | | | | | | | 28 | 0.010 | 0.026 | 650 | 51.8 | 32 | 0.0065 | 0.0248 | 630 | 62.7 |
| 30 | 0.0234 | 600 | | | | | | 30 | 0.010 | 0.024 | 605 | 51.0 | | | | | |
| | | | | | | | | | | | | | 34 | 0.0065 | 0.0229 | 582 | 60.7 |
| | | | | | | | | 32 | 0.009 | 0.022 | 570 | 50.9 | 36 | 0.0065 | 0.0213 | 541 | 58.7 |
| | | | | | | | | 34 | 0.009 | 0.020 | 520 | 48.1 | | | | | |
| 35 | 0.0197 | 500 | | | | | | | | | | | | | | | |
| | | | 30 | 0.0128 | 0.0203 | 516 | 37.1 | 36 | 0.009 | 0.019 | 480 | 45.8 | 38 | 0.0065 | 0.0198 | 503 | 56.7 |
| | | | | | | | | | | | | | 40 | 0.0065 | 0.0185 | 470 | 54.8 |
| | | | | | | | | 38 | 0.009 | 0.018 | 450 | 45.8 | 42 | 0.0055 | 0.0183 | 465 | 59.1 |
| 40 | 0.0165 | 425 | | | | | | | | | | | | | | | |
| | | | 35 | 0.0118 | 0.0176 | 445 | 37.9 | 40 | 0.009 | 0.017 | 420 | 43.6 | 44 | 0.0055 | 0.0172 | 437 | 57.4 |
| | | | | | | | | | | | | | 46 | 0.0055 | 0.0162 | 411 | 55.8 |
| 45 | 0.0139 | 355 | | | | | | 40 | 0.0104 | 0.0150 | 381 | 36.0 | 48 | 0.0055 | 0.0153 | 388 | 54.2 |
| | | | | | | | | | | | | | 50 | 0.0055 | 0.0145 | 368 | 52.6 |
| | | | | | | | | 45 | 0.008 | 0.014 | 360 | 40.8 | | | | | |
| 50 | 0.0117 | 300 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | 52 | 0.0055 | 0.0137 | 348 | 51.0 |
| | | | | | | | | | | | | | 54 | 0.0055 | 0.0130 | 330 | 49.4 |
| | | | | | | | | | | | | | 58 | 0.0045 | 0.0127 | 323 | 54.6 |
| | | | | | | | | | | | | | 60 | 0.0045 | 0.0122 | 310 | 53.3 |
| | | | | | | | | | | | | | 62 | 0.0045 | 0.0116 | 295 | 51.7 |
| | | | | | | | | | | | | | 64 | 0.0045 | 0.0111 | 281 | 50.7 |
| | | | | | | | | 50 | 0.008 | 0.013 | 320 | 39.1 | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | 55 | 0.007 | 0.011 | 280 | 37.9 | | | | | |
| | | | | | | | | | | | | | 70 | 0.0037 | 0.0106 | 269 | 54.9 |
| | | | | | | | | | | | | | 72 | 0.0037 | 0.0102 | 259 | 53.8 |
| 60 | 0.0098 | 250 | | | | | | 60 | 0.007 | 0.010 | 260 | 37.5 | 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 |
| 70 | 0.0083 | 212 | | | | | | | | | | | 88 | 0.0035 | 0.0079 | 201 | 47.9 |
| | | | | | | | | | | | | | 90 | 0.0035 | 0.0076 | 193 | 47.8 |
| 80 | 0.0070 | 180 | | | | | | | | | | | 94 | 0.0035 | 0.0071 | 180 | 45.0 |
| | | | | | | | | | | | | | 105 | 0.0030 | 0.0065 | 165 | 46.9 |
| 100 | 0.0059 | 150 | | | | | | | | | | | 120 | 0.0025 | 0.0058 | 147 | 47.3 |
| | | | 80 | 0.0055 | 0.0070 | 178 | 31.4 | | | | | | | | | | |
| | | | 100 | 0.0045 | 0.0055 | 140 | 30.3 | | | | | | | | | | |
| 120 | 0.0049 | 125 | | | | | | | | | | | | | | | |
| | | | 120 | 0.0037 | 0.0046 | 117 | 30.5 | | | | | | 145 | 0.0022 | 0.0047 | 119 | 46.4 |
| | | | 150 | 0.0026 | 0.0041 | 103 | 37.9 | | | | | | 165 | 0.0019 | 0.0042 | 107 | 47.1 |
| 140 | 0.0041 | 106 | | | | | | | | | | | | | | | |
| 170 | 0.0035 | 90 | | | | | | | | | | | | | | | |
| 200 | 0.0029 | 75 | | | | | | | | | | | | | | | |
| 230 | 0.0025 | 63 | 200 | 0.0021 | 0.0029 | 74 | 33.6 | | | | | | 200 | 0.0016 | 0.0034 | 86 | 46.2 |
| 270 | 0.0021 | 53 | 250 | 0.0016 | 0.0024 | 61 | 36.0 | | | | | | 230 | 0.0014 | 0.0029 | 74 | 46.0 |
| 325 | 0.0017 | 45 | | | | | | | | | | | | | | | |
| 400 | 0.0015 | 38 | 325 | 0.0014 | 0.0017 | 43 | 30.5 | | | | | | | | | | |
| 500 | 0.0010 | 25 | 400 | 0.0010 | 0.0015 | 38 | 36.0 | | | | | | | | | | |
| 635 | 0.0008 | 20 | 500 | 0.0010 | 0.0010 | 25 | 25.0 | | | | | | | | | | |
| | | | 635 | 0.0008 | 0.0008 | 20 | 25.0 | | | | | | | | | | |

*Mesh indicates the number of apertures (openings) in one linear inch. (25.4 mm) of screen.

USA
1-973-467-8140

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