



Sifter Parts & Service, Inc.

29807 State Road 54 • PO BOX 7560 • Wesley Chapel, Florida 33545

Screen Chart

| MARKET GRADE | | | | |
|--------------|---------------|--------------|--------|-----------|
| Mesh Count | Wire Diameter | Mesh Opening | | Open Area |
| /inch | inch | 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 |

MARKET GRADE

The market grade has larger wire diameters and are stronger than Bolting or Mill Grades, but have less open area.

| BOLTING CLOTH GRADE | | | | |
|---------------------|---------------|--------------|--------|-----------|
| Mesh Count | Wire Diameter | Mesh Opening | | Open Area |
| /inch | inch | 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 |

BOLTING CLOTH GRADE

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

| MILL GRADE | | | | |
|------------|---------------|--------------|--------|-----------|
| Mesh Count | Wire Diameter | Mesh Opening | | Open Area |
| /inch | inch | inch | micron | % |
| 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 |

MILL GRADE

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 products are also available in Type 430 Stainless Steel, which is magnetic.

In accordance with our policy of continuously improving our products, the above listed technical specifications are subject to change without notice.