

Parts Supplier



INDUSTRIES, INC.



Midwestern recognizes your need for one supplier to offer a wide variety of screens and parts for all of your round vibratory separators—regardless of make or model. We work with our customers to ensure that Midwestern offers the type of screens that you want in the sizes that you need.

Round Screens



Sizes range from 18 to 72 inches and can fit nearly every make and model of separators with various mounting methods—including strict food grade standards.

Clear Opening Screens



Midwestern offers clear opening screens and custom weaves not shown on our mesh chart. Speak to a sales professional for options and availability.

Ultrasonic Screens



In a constant effort to supply our customers with innovative screening options, we offer ultrasonic screens for various makes and models. Re-screening is also available.

Perforated Screens



Customized to meet your screening needs, our perforated screens come in a wide range of sizes and are available with round, slotted, and square openings.

Sandwich Screens



Plastic sliders or rubber balls are sandwiched between a sizing screen and the backup mesh, providing added vibration, dislodging near size particles, and allowing material to flow more efficiently.

Bulls-Eye Screens



Applying silicone beads in a bulls-eye pattern between the sizing screen and backup mesh reduces the friction while extending the life and performance of the screen.

Wagon Wheel Screens



Dense material on fine mesh screens and larger diameter screens can benefit from the added support provided by the wagon wheel design. Made to fit most makes and models of separators.

Custom Woven Screens



As a manufacturer, not a reseller, Midwestern Industries provides customized screening solutions for our customers. From nylon mesh to "white wall" screens, we supply unconventional screens for your application. Call us for options!



midwesternind.com

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MIDWESTERN'S WIRE MESH COMPARISON CHART

| Approx. Microns | MM | US Sieve | OPG. | Tyler Equiv. | Tensil Bolting Cloth | | | | Mill Grade | | | | Market Grade | | | |
|--------------------|------|-------------|-------|-----------------|----------------------|-------|-------|------|------------|-------|-------|------|--------------|-------|-------|------|
| | | | | | Mesh | OPG. | Wire | % OA | Mesh | OPG. | Wire | % OA | Mesh | OPG. | Wire | % OA |
| 25000 | 25.0 | 1" | 1.00 | | | | | | | | | | | | | |
| 19000 | 19.0 | 3/4" | .750 | | | | | | | | | | | | | |
| 16000 | 16.0 | 5/8" | .625 | | | | | | | | | | | | | |
| 14288 | 14.3 | 9/16" | .562 | | | | | | | | | | | | | |
| 12500 | 12.5 | 1/2" | .500 | | | | | | | | | | | | | |
| 11200 | 11.2 | 7/16" | .438 | | | | | | 2 | .446 | .054 | 79.6 | 2 | .437 | .063 | 76.4 |
| 9500 | 9.5 | 3/8" | .375 | | | | | | | | | | | | | |
| 8000 | 8.0 | 5/16" | .312 | | | | | | | | | | | | | |
| 6300 | 6.3 | 1/4" | .250 | | | | | | 3 | .292 | .041 | 76.7 | 3 | .279 | .054 | 70.1 |
| 5600 | 5.6 | 3.5 | .223 | 3.5 | | | | | 4 | .215 | .035 | 74.0 | 4 | .2023 | .0475 | 65.9 |
| 4750 | 4.75 | 4 | .187 | 4 | | | | | | | | | 4 | .187 | .063 | 56.0 |
| 4000 | 4.0 | 5 | .157 | 5 | | | | | 5 | .168 | .032 | 70.6 | 5 | .159 | .041 | 63.2 |
| 3350 | 3.35 | 6 | .132 | 6 | | | | | 6 | .139 | .028 | 69.6 | 6 | .132 | .0348 | 62.7 |
| 2800 | 2.80 | 7 | .110 | 7 | | | | | 7 | .115 | .028 | 64.8 | 7 | .108 | .035 | 57.2 |
| 2360 | 2.36 | 8 | .0937 | 8 | | | | | 8 | .100 | .025 | 64.0 | 8 | .0964 | .0286 | 60.2 |
| 2000 | 2.0 | 10 | .0787 | 9 | | | | | 9 | .088 | .023 | 62.7 | 10 | .0742 | .0258 | 56.3 |
| 1854 | 1.85 | | | | | | | | 10 | .080 | .020 | 64.0 | 11 | .073 | .018 | 64.5 |
| 1700 | 1.7 | 12 | .0661 | 10 | 14 | .062 | .009 | 76.4 | 12 | .065 | .018 | 60.8 | 12 | .0603 | .023 | 51.8 |
| 1400 | 1.4 | 14 | .0555 | 12 | 16 | .0535 | .009 | 73.3 | 14 | .054 | .017 | 57.2 | 14 | .051 | .0204 | 51.0 |
| 1180 | 1.18 | 16 | .0469 | 14 | 18 | .0466 | .009 | 70.2 | 16 | .0465 | .016 | 55.4 | 16 | .0445 | .0181 | 50.7 |
| 1041 | 1.04 | | | | 20 | .0410 | .009 | 67.2 | | | | | | | | |
| 1000 | 1.0 | 18 | .0394 | 16 | 22 | .0380 | .0075 | 69.7 | 18 | .0406 | .015 | 53.4 | 18 | .0386 | .0173 | 48.3 |
| 850 | .85 | 20 | .0331 | 20 | 24 | .0342 | .0075 | 69.2 | 20 | .0360 | .014 | 51.8 | 20 | .034 | .0162 | 46.2 |
| 787 | .787 | | | | 26 | .0310 | .0075 | 64.8 | 22 | .0320 | .0135 | 49.6 | | | | |
| 710 | .71 | 25 | .0278 | 24 | 28 | .0282 | .0075 | 62.4 | 24 | .0287 | .013 | 47.4 | 24 | .0277 | .014 | 44.2 |
| 681 | .681 | | | | 30 | .0268 | .0065 | 64.8 | 26 | .0275 | .011 | 51.1 | | | | |
| 630 | .63 | | | | 32 | .0248 | .0065 | 62.7 | 28 | .0257 | .010 | 51.8 | | | | |
| 600 | .60 | 30 | .0234 | 28 | 34 | .0229 | .0065 | 60.7 | 30 | .0238 | .0095 | 51.0 | | | | |
| 541 | .541 | | | | 36 | .0213 | .0065 | 58.7 | 32 | .0223 | .009 | 50.9 | | | | |
| 500 | .50 | 35 | .0197 | 32 | 38 | .0198 | .0065 | 56.7 | 34 | .0204 | .009 | 48.1 | 30 | .0203 | .0128 | 37.1 |
| 470 | .47 | | | | 40 | .0185 | .0065 | 54.8 | 36 | .0188 | .009 | 45.8 | | | | |
| 465 | .465 | | | | 42 | .0183 | .0055 | 59.1 | 38 | .0178 | .0085 | 45.8 | | | | |
| 437 | .437 | | | | 44 | .0172 | .0055 | 57.4 | | | | | 35 | .0176 | .0118 | 37.9 |
| 425 | .425 | 40 | .0165 | 35 | 46 | .0162 | .0055 | 55.8 | 40 | .0165 | .0085 | 43.6 | | | | |
| 389 | .389 | | | | 48 | .0153 | .0055 | 54.2 | | | | | 40 | .0150 | .0104 | 36.0 |
| 368 | .368 | | | | 50 | .0145 | .0055 | 52.6 | | | | | | | | |
| 355 | .355 | 45 | .0139 | 42 | 52 | .0137 | .0055 | 51.0 | 45 | .0142 | .008 | 40.8 | | | | |
| 330 | .33 | | | | 54 | .0130 | .0055 | 49.4 | | | | | | | | |
| 323 | .323 | | | | 58 | .0127 | .0045 | 54.6 | | | | | | | | |
| 310 | .31 | | | | 60 | .0122 | .0045 | 53.3 | 50 | .0125 | .0075 | 39.1 | | | | |
| 300 | .30 | 50 | .0117 | 48 | 62 | .0116 | .0045 | 51.7 | 55 | .0112 | .007 | 37.9 | | | | |
| 282 | .282 | | | | 64 | .0111 | .0045 | 50.7 | | | | | 50 | .0110 | .0090 | 30.3 |
| 270 | .27 | | | | 70 | .0106 | .0037 | 54.9 | | | | | | | | |
| 260 | .26 | | | | 72 | .0102 | .0037 | 53.8 | | | | | | | | |
| 250 | .25 | 60 | .0098 | 60 | 74 | .0098 | .0037 | 52.7 | 60 | .0102 | .0065 | 37.5 | | | | |
| 241 | .241 | | | | 76 | .0095 | .0037 | 51.7 | | | | | | | | |
| 231 | .231 | | | | 78 | .0091 | .0037 | 50.6 | | | | | 60 | .0092 | .0075 | 30.5 |
| 224 | .224 | | | | 80 | .0088 | .0037 | 49.6 | | | | | | | | |
| 212 | .212 | 70 | .0083 | 65 | 84 | .0084 | .0035 | 49.8 | | | | | | | | |
| 200 | .20 | | | | 88 | .0079 | .0035 | 47.9 | | | | | | | | |
| 193 | .193 | | | | 90 | .0076 | .0035 | 47.8 | | | | | | | | |
| 180 | .18 | 80 | .0070 | 80 | 94 | .0071 | .0035 | 45.0 | | | | | 80 | .0070 | .0055 | 31.4 |
| 165 | .165 | | | | 105 | .0065 | .0030 | 46.9 | | | | | | | | |
| 150 | .15 | 100 | .0059 | 100 | 120 | .0058 | .0025 | 47.3 | | | | | 100 | .0055 | .0045 | 30.3 |
| 125 | .125 | 120 | .0049 | 115 | 145 | .0047 | .0022 | 46.4 | | | | | 120 | .0046 | .0037 | 30.5 |
| 106 | .106 | 140 | .0041 | 150 | 165 | .0042 | .0019 | 47.1 | | | | | 150 | .0041 | .0026 | 37.9 |
| 90 | .090 | 170 | .0035 | 170 | 200 | .0034 | .0016 | 46.2 | | | | | 180 | .0033 | .0023 | 34.7 |
| 75 | .075 | 200 | .0029 | 200 | 230 | .0029 | .0014 | 46.0 | | | | | 200 | .0029 | .0021 | 33.6 |
| 63 | .063 | 230 | .0025 | 250 | | | | | | | | | 250 | .0024 | .0016 | 36.0 |
| 53 | .053 | 270 | .0021 | 270 | 300 | .0021 | .0012 | 40.5 | | | | | 270 | .0021 | .0016 | 32.2 |
| 45 | .045 | 325 | .0017 | 325 | | | | | | | | | 325 | .0017 | .0014 | 30.5 |
| 38 | .038 | 400 | .0015 | 400 | | | | | | | | | 400 | .0015 | .0010 | 36.0 |
| 25 | .025 | 500 | .0010 | | | | | | | | | | 500 | .0010 | .0010 | 25.0 |
| 20 | .020 | 635 | .0008 | | | | | | | | | | 635 | .0008 | .0008 | 25.0 |

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