



## U.S.A. Standard Testing Sieves *and accessories*

### U.S.A. Standard Testing Sieves Brass or Phosphorous Bronze Cloth



Sieves are of the finest manufacture and meet all specs. The frames are made of brass and are drawn from one piece without a seam. Extended bottoms (skirts) are also seamless and they are matched to fit all frames, pans or separator pans of the same diameter - for convenient stacking. The cloth is hand-soldered onto the frame, the frame skirt, then spun over the cloth, and the circle of contact between cloth and the frame is smoothly filled with solder so no material is lost between cloth and frame. Nameplate shows sieve number, microns and nominal openings (in both millimeters and inches).

**Sieves conform to the following specifications: NBS, ATSM-E-11, AN SZ23.1, AASHTO-M92, FS RRS-366B, CRD-C102, and all current amendments.**

**U.S.A. Standard Sieves are stocked in both full- and half-height, 8" diameter. 3", 5", 6", 10", 12", and other diameters available on order. Stainless steel mesh is also available.**

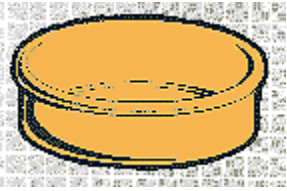
### Brass Cover With Handle



| Code Number | Diameter |
|-------------|----------|
| SC-3        | 3"       |
| SC-5        | 5"       |
| SC-6        | 6"       |
| SC-8        | 8"       |
| SC-10       | 10"      |
| SC-12       | 12"      |


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### Brass Bottom Pan

|  | Code Number | Diameter | Depth |
|---|-------------|----------|-------|
|   | SP-3-5/8    | 3"       | 5/8"  |
|   | SP-3-1      | 3"       | 1"    |
|   | SP-5-1      | 5"       | 1"    |
|   | SP-6        | 6"       | 1"    |
|   | SP-8-1      | 8"       | 1"    |
|   | SP-8-2      | 8"       | 2"    |
|   | SP-10       | 10"      | 2"    |
|   | SP-12       | 12"      | 2"    |

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### Brass Extended Rim Pan

|  | Code Number | Diameter | Depth |
|---|-------------|----------|-------|
|   | SSP-3       | 3"       | 1"    |
|   | SSP-5       | 5"       | 1"    |
|   | SSP-6       | 6"       | 1"    |
|   | SSP-8-1     | 8"       | 1"    |
|   | SSP-8-2     | 8"       | 2"    |
|   | SSP-10      | 10"      | 2"    |
|   | SSP-12      | 12"      | 2"    |

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### Additional Accessories Available

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| <ul style="list-style-type: none"><li>• Wet Washing Sieves (deep frame)</li><li>• Wet Sieving Apparatus</li><li>• Wash Screen Assemble</li></ul> |
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- Dunagan Test Sieves
  - Automatic Electric Timer
  - Universal Timer
  - Triple Beam Balance
  - Scoops
  - Brushes
  - Quartering Canvas
  - Market Grade Sieves
  - Soil Analysis Sieves (metric round holes)
  - Mechanical Soil Analysis Sieves, Pans, Covers
  - Pea Draining Sieves
  - Highway Sieve Frames
  - Stone Sieves
  - Interchangeable Sieve Plates
  - Two-Part Test Sieve
  - Metal Breakers (aluminum, copper, nickel, monel, stainless steel)
  - Metal Crucibles
  - Nickel Crucible (J. Lawrence Smith)
  - Nickel Crucible Covers
  - Nickel Kawin Crucibles
  - Nickel Evaporating Dishes
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## Specifications for U.S.A. Standard Testing Sieves

### *ASTM-E-11*

| Sieve Number or Size | USBS Sieve ASTM Designation |               |        |                       |        |
|----------------------|-----------------------------|---------------|--------|-----------------------|--------|
|                      | Millimeters or Microns      | Sieve Opening |        | Nominal Wire Diameter |        |
|                      |                             | Millimeters   | Inches | Millimeters           | Inches |
| 4"                   | 100mm                       | 100           | 4.00   | 6.30                  | 0.2480 |
| 3-1/2"               | 90mm                        | 90            | 3.50   | 6.08                  | 0.2394 |
| 3"                   | 75mm                        | 75            | 3.00   | 5.80                  | 0.2283 |
| 2-1/2"               | 63mm                        | 63            | 2.50   | 5.50                  | 0.2165 |
| 2"                   | 50mm                        | 50            | 2.00   | 5.05                  | 0.1988 |
| 1-3/4"               | 45mm                        | 45            | 1.75   | 4.85                  | 0.1909 |
| 1-1/2"               | 37.5mm                      | 37.5          | 1.50   | 4.59                  | 0.1807 |
| 1-1/4"               | 31.5mm                      | 31.5          | 1.25   | 4.23                  | 0.1665 |
| 1"                   | 25.0mm                      | 25            | 1.00   | 3.80                  | 0.1496 |
| 7/8"                 | 22.4mm                      | 22.4          | 0.875  | 3.50                  | 0.1378 |
| 3/4"                 | 19.0mm                      | 19.0          | 0.750  | 3.30                  | 0.1299 |
| 5/8"                 | 16.0mm                      | 16.0          | 0.625  | 3.00                  | 0.1181 |
| 1/2"                 | 12.5mm                      | 12.5          | 0.500  | 2.67                  | 0.1051 |
| 7/16"                | 11.2mm                      | 11.2          | 0.438  | 2.45                  | 0.0965 |
| 3/8"                 | 9.5mm                       | 9.5           | 0.375  | 2.27                  | 0.0894 |
| 5/16"                | 8.00mm                      | 8.00          | 0.312  | 2.07                  | 0.0815 |
| #3                   | 6.3mm                       | 6.3           | 0.250  | 1.82                  | 0.0717 |
| #3-1/2               | 5.66mm                      | 5.66          | 0.223  | 1.68                  | 0.0661 |
| #4                   | 4.75mm                      | 4.75          | 0.187  | 1.54                  | 0.0606 |
| #5                   | 4.00mm                      | 4.00          | 0.157  | 1.37                  | 0.0539 |

|      |            |       |        |       |        |
|------|------------|-------|--------|-------|--------|
| #6   | 3.35mm     | 3.35  | 0.132  | 1.23  | 0.0484 |
| #7   | 2.80mm     | 2.80  | 0.111  | 1.10  | 0.0430 |
| #8   | 2.36mm     | 2.36  | 0.0937 | 1.00  | 0.0394 |
| #10  | 2.00mm     | 2.00  | 0.0787 | 0.900 | 0.0354 |
| #12  | 1.70mm     | 1.70  | 0.0661 | 0.810 | 0.0319 |
| #14  | 1.40mm     | 1.40  | 0.0555 | 0.725 | 0.0285 |
| #16  | 1.18mm     | 1.18  | 0.0469 | 0.650 | 0.0256 |
| #18  | 1.00mm     | 1.00  | 0.0394 | 0.580 | 0.0228 |
| #20  | 850 micron | 0.850 | 0.0331 | 0.510 | 0.0201 |
| #25  | 710 micron | 0.710 | 0.0278 | 0.450 | 0.0177 |
| #30  | 600 micron | 0.600 | 0.0234 | 0.390 | 0.0154 |
| #35  | 500 micron | 0.500 | 0.0197 | 0.340 | 0.0134 |
| #40  | 425 micron | 0.425 | 0.0165 | 0.290 | 0.0114 |
| #45  | 355 micron | 0.355 | 0.0139 | 0.247 | 0.0097 |
| #50  | 300 micron | 0.300 | 0.0117 | 0.215 | 0.0085 |
| #60  | 250 micron | 0.250 | 0.0098 | 0.180 | 0.0071 |
| #70  | 212 micron | 0.212 | 0.0083 | 0.152 | 0.0060 |
| #80  | 180 micron | 0.180 | 0.0070 | 0.131 | 0.0052 |
| #100 | 150 micron | 0.150 | 0.0059 | 0.110 | 0.0043 |
| #120 | 125 micron | 0.125 | 0.0049 | 0.091 | 0.0036 |
| #140 | 106 micron | 0.106 | 0.0041 | 0.076 | 0.0030 |
| #170 | 90 micron  | 0.090 | 0.0035 | 0.064 | 0.0025 |
| #200 | 75 micron  | 0.075 | 0.0029 | 0.053 | 0.0021 |
| #230 | 63 micron  | 0.063 | 0.0025 | 0.044 | 0.0017 |
| #270 | 53 micron  | 0.053 | 0.0021 | 0.037 | 0.0015 |
| #325 | 45 micron  | 0.045 | 0.0017 | 0.030 | 0.0012 |
| #400 | 38 micron  | 0.038 | 0.0015 | 0.025 | 0.0010 |
| #450 | 32 micron  | 0.032 | 0.0012 | 0.028 | 0.0011 |
| #500 | 25 micron  | 0.025 | 0.0010 | 0.025 | 0.0010 |
| #635 | 20 micron  | 0.020 | 0.0008 | 0.020 | 0.0008 |