



Laboratory Testing Sieve Screens

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LOCATIONS

WEST COAST

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EAST COAST

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Description:

The WS Tyler Testing Sieves are precision laboratory instruments. They are manufactured to the latest ASTM Specifications E-11-87, under a ISO 9002 Certified Quality Control Program. The specifications are a result of collaboration by the ASTM, National

Bureau of Standards (NBS), American National Standards Institute and the ISO.

The sieves are available with brass or stainless steel frames, with copper, or stainless steel cloth, and the frames are available in full height or half height versions. Refer to the table below for dimensional data. Reinforcement cloth (backing cloth) is available for fine sieves. Special application sieves, such as matched sieves, certified sieves, or special application sieves are also available.

Catalog Number	Description
040A-301	3" dia, Brass frame, cu alloy cloth
040A-303	3" dia, Brass frame, st. steel cloth
040A-305	3" dia, St. steel frame, st. steel cloth
040A-801	8" dia, FH, Brass frame, cu alloy cloth
040A-802	8" dia, HH, Brass frame, cu alloy cloth
040A-803	8" dia, FH, Brass frame, st. steel cloth
040A-804	8" dia, HH, Brass frame, st. steel cloth
040A-805	8" dia, FH, St. steel frame, st. steel cloth
040A-806	8" dia, HH, St. steel frame, st. steel cloth
040A-121	12" dia, FH, Brass frame, cu alloy cloth
040A-122	12" dia, HH, Brass frame, cu alloy cloth
040A-124	12" dia, FH, Brass frame, st. steel cloth
040A-125	12" dia, HH, Brass frame, st. steel cloth
040A-127	12" dia, FH, St. steel frame, st. steel cloth
040A-128	12" dia, HH, St. steel frame, st. steel cloth

8" BRASS – STAINLESS TEST SIEVES

Catalog Number	Description	Mesh	Microns
040A-803-4	8"-FH-BR-SS-US-4	4	4750
040A-803-5	8"-FH-BR-SS-US-5	5	4000
040A-803-6	8"-FH-BR-SS-US-6	6	3360
040A-803-7	8"-FH-BR-SS-US-7	7	2830
040A-803-8	8"-FH-BR-SS-US-8	8	2360
040A-803-10	8"-FH-BR-SS-US-10	9	2000
040A-803-12	8"-FH-BR-SS-US-12	10	1700
040A-803-14	8"-FH-BR-SS-US-14	12	1400
040A-803-16	8"-FH-BR-SS-US-16	14	1180
040A-803-18	8"-FH-BR-SS-US-18	16	1000
040A-803-20	8"-FH-BR-SS-US-20	20	850
040A-803-25	8"FH-BR-SS-US-25	24	710
040A-803-30	8"-FH-BR-SS-US-30	28	600
040A-803-35	8"-FH-BR-SS-US-35	32	500
040A-803-40	8"-FH-BR-SS-US-40	35	425
040A-803-45	8"-FH-BR-SS-US-45	42	355
040A-803-50	8"-FH-BR-SS-US-50	48	300
040A-803-60	8"-FH-BR-SS-US-60	60	250
040A-803-70	8"-FH-BR-SS-US-70	65	212
040A-803-80	8"-FH-BR-SS-US-80	80	180
040A-803-100	8"-FH-BR-SS-US-100	100	150
040A-803-120	8"-FH-BR-SS-US-120	115	125
040A-803-140	8"-FH-BR-SS-US-140	150	106
040A-803-170	8"-FH-BR-SS-US-170	170	90
040A-803-200	8"-FH-BR-SS-US-200	200	75
040A-803-230	8"-FH-BR-SS-US-230	250	63
040A-803-270	8"-FH-BR-SS-US-270	270	53
040A-803-325	8"-FH-BR-SS-US-325	325	45
040A-803-400	8"-FH-BR-SS-US-400	400	37
040A-803-450	8"-FH-BR-SS-US-450	450	32
040A-803-500	8"-FH-BR-SS-US-500	500	25

8" STAINLESS – STAINLESS TEST SIEVES.

Catalog Number	Description	Mesh	Microns
040A-805-4	8"-FH-SS-SS-US-4	4	4750
040A-805-5	8"-FH-SS-SS-US-5	5	4000
040A-805-6	8"-FH-SS-SS-US-6	6	3360
040A-805-7	8"-FH-SS-SS-US-7	7	2830
040A-805-8	8"-FH-SS-SS-US-8	8	2360
040A-805-10	8"-FH-SS-SS-US-10	9	2000
040A-805-12	8"-FH-SS-SS-US-12	10	1700
040A-805-14	8"-FH-SS-SS-US-14	12	1400
040A-805-16	8"-FH-SS-SS-US-16	14	1180
040A-805-18	8"-FH-SS-SS-US-18	16	1000
040A-805-20	8"-FH-SS-SS-US-20	20	850
040A-805-25	8"-FH-SS-SS-UA-25	24	710
040A-805-30	8"-FH-SS-SS-US-30	28	600
040A-805-35	8"-FH-SS-SS-US-35	32	500
040A-805-40	8"-FH-SS-SS-US-40	35	425
040A-805-45	8"-FH-SS-SS-US-45	42	355
040A-805-50	8"-FH-SS-SS-US-50	48	300
040A-805-60	8"-FH-SS-SS-US-60	60	250
040A-805-70	8"-FH-SS-SS-US-70	65	212
040A-805-80	8"-FH-SS-SS-US-80	80	180
040A-805-100	8"-FH-SS-SS-US-100	100	150
040A-805-120	8"-FH-SS-SS-US-120	115	125
040A-805-140	8"-FH-SS-SS-US-140	150	106
040A-805-170	8"-FH-SS-SS-US-170	170	90
040A-805-200	8"-FH-SS-SS-US-200	200	75
040A-805-230	8"-FH-SS-SS-US-230	250	63
040A-805-270	8"-FH-SS-SS-US-270	270	53
040A-805-325	8"-FH-SS-SS-US-325	325	45
040A-805-400	8"-FH-SS-SS-US-400	400	37
040A-805-450	8"-FH-SS-SS-US-450	450	32
040A-805-500	8"-FH-SS-SS-US-500	500	25
040A-805-635	8"-FH-SS-SS-US-635	635	20

INFORMATION/GUIDE FOR TEST SIEVING

For information regarding specific specifications, please refer to Standards ASTM E11-09 & ISO 565, 3310-1

Standard (A)	Sieve Designation Alternative	Nominal Sieve Opening, in. (B)9	Permissible Variation in Openings (4)	Opening Dimension not more than 5% of the Openings (5)	Maximum Individual Opening (6)	Nominal Wire Diameter, mm (C)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
125mm	5 in.	5	±3.70 mm	130.00 mm	130.9 mm	8.00
106 mm	4.24 in.	4.24	±3.20 mm	110.2 mm	111.1 mm	6.30
100 mm (D)	4 in. (D)	4	±3.00 mm	104.0 mm	104.8 mm	6.30
90 mm	3-1/2 in.	3.5	±2.70 mm	93.6 mm	94.4 mm	6.30
75 mm	3 in.	3	± 2.20 mm	78.1 mm	78.7 mm	6.30
63 mm	2-1/2 in.	2.5	± 1.90 mm	65.6 mm	66.2 mm	5.60
53 mm	2.12 in.	2.12	± 1.60 mm	55.2 mm	55.7 mm	5.00
50 mm (D)	2 in. (D)	2	± 1.50 mm	52.1 mm	52.6 mm	5.00
45 mm	1-3/4 in.	1.75	± 1.40 mm	46.9 mm	47.4 mm	4.50
37.5 mm	1-1/2 in.	1.5	± 1.10 mm	39.1 mm	39.5 mm	4.50
31.5 mm	1-1/4 in.	1.25	± 1.00 mm	32.9 mm	33.2 mm	4.00
26.5 mm	1.06 in.	1.06	± .800 mm	27.7 mm	28.0 mm	3.55
25.0 mm (D)	1.00 in. (D)	1	± .800 mm	26.1 mm	26.4 mm	3.55
22.4 mm	7/8 in.	0.875	± .700 mm	23.4 mm	23.7 mm	3.55
19.0 mm	3/4 in.	0.750	± .600 mm	19.9 mm	20.1 mm	3.15
16.0 mm	5/8 in.	0.625	± .500 mm	16.7 mm	17.0 mm	3.15
13.2 mm	0.530 in.	0.530	± .410 mm	13.83 mm	14.05 mm	2.80
12.5 mm (D)	1/2 in. (D)	0.500	± .390 mm	13.10 mm	13.31 mm	2.50
11.2 mm	7/16 in.	0.438	± .350 mm	11.75 mm	11.94 mm	2.50
9.5 mm	3/8 in.	0.375	± .300 mm	9.97 mm	10.16 mm	2.24
8.0 mm	5/16 in.	0.312	± .250 mm	8.41 mm	8.58 mm	2.00
6.7 mm	0.265 in.	0.265	± .210 mm	7.05 mm	7.20 mm	1.80
6.3 mm (D)	1/4 in. (D)	0.250	± .200 mm	6.64 mm	6.78 mm	1.80
5.6 mm	No. 3-1/2 (E)	0.223	± .180 mm	5.90 mm	6.04 mm	1.60
4.75 mm	No. 4	0.187	± .150 mm	5.02 mm	5.14 mm	1.60
4.00 mm	No. 5	0.157	± .130 mm	4.23 mm	4.35 mm	1.40
3.35 mm	No. 6	0.132	± .110 mm	3.55 mm	3.66 mm	1.25
2.80 mm	No. 7	0.110	± .095 mm	2.975 mm	3.070 mm	1.12
2.36 mm	No. 8	0.0937	± .080 mm	2.515 mm	2.600 mm	1.00
2.00 mm	No. 10	0.0787	± .070 mm	2.135 mm	2.215 mm	0.900
1.7 mm	No. 12	0.0661	± .060 mm	1.820 mm	1.890 mm	0.800
1.4 mm	No. 14	0.0555	± .050 mm	1.505 mm	1.565 mm	0.710
1.18 mm	No. 16	0.0469	± .045 mm	1.270 mm	1.330 mm	0.630
1.00 mm	No. 18	0.0394	± .040 mm	1.080 mm	1.135 mm	0.560
850 μmF	No. 20	0.0331	± 35 μm	925 μm	970 μm	0.500
710 μm	No. 25	0.0278	± 30 μm	775 μm	815 μm	0.450
600 μm	No. 30	0.0234	± 25 μm	660 μm	695 μm	0.400
500 μm	No. 35	0.0197	± 20 μm	550 μm	585 μm	0.315
425 μm	No. 40	0.0165	± 19 μm	471 μm	502 μm	0.280
355 μm	No. 45	0.0139	± 16 μm	396 μm	426 μm	0.224
300 μm	No. 50	0.0117	± 14 μm	337 μm	363 μm	0.200
250 μm	No. 60	0.0098	± 12 μm	283 μm	306 μm	0.160
212 μm	No. 70	0.0083	± 10 μm	242 μm	263 μm	0.140
180 μm	No. 80	0.0070	± 9 μm	207 μm	227 μm	0.125
150 μm	No. 100	0.0059	± 8 μm	174 μm	192 μm	0.100
125 μm	No. 120	0.0049	± 7 μm	147 μm	163 μm	0.090
106 μm	No. 140	0.0041	± 6 μm	126 μm	141 μm	0.071
90 μm	No. 170	0.0035	± 5 μm	108 μm	122 μm	0.063
75 μm	No. 200	0.0029	± 5 μm	91 μm	103 μm	0.050
63 μm	No. 230	0.0025	± 4 μm	77 μm	89 μm	0.045
53 μm	No. 270	0.0021	± 4 μm	66 μm	76 μm	0.036
45 μm	No. 325	0.0017	± 3 μm	57 μm	66 μm	0.032
38 μm	No. 400	0.0015	± 3 μm	48 μm	57 μm	0.030
32 μm	No. 450	0.0012	± 3 μm	42 μm	50 μm	0.028
25 μm (D)	No. 500	0.0010	± 3 μm	34 μm	41 μm	0.025
20 μm (D)	No. 635	0.0008	± 3 μm	29 μm	35 μm	0.020

A - These Standard designations correspond to the values for test sieve openings recommended by the International Standards Organization, Geneva, Switzerland, except where noted.

B - Only approximately equivalent to the metric values in Column 1.

C - The average diameter of the wires in the x and y direction, measured separately, of any wire cloth shall not deviate from the nominal values by more than +/- 15%.

D - These sieves are not in the standard series but they have been included because they are in common usage.

E - These numbers (3-1/2 to 635) are the approx. number of openings per linear in. but it is preferred that the sieve be identified by the standard designation in millimeters or micrometers.

F - 1000 μm - 1 mm