

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