

U. S. A. SIEVE SERIES AND TYLER EQUIVALENTS A.S.T.M.-E-1 1-70

Sieve Designation		Sieve Opening		Nominal Wire Diameter		Tyler Screen Scale Equivalent Designation
Standard (a)	Alternate	mm	in (approx. equivalents)	mm	in (approx. equivalents)	
125 mm	5 in.	125	5	8	.3150	
106 mm	4.24 in.	106	4.24	6.40	.2520	
100 mm	4 in (b)	100	4.00	6.30	.2480	
90 mm	3 1/2 in.	90	3.50	6.08	.2394	
75 mm	3 in.	75	3.00	5.80	.2283	
63 mm	2 1/2 in.	63	2.50	5.50	.2165	
53 mm	2.12 in.	53	2.12	5.15	.2028	
50 mm	2 in. (b)	50	2.00	5.05	.1988	
45 mm	1 3/4 in.	45	1.75	4.85	.1909	
37.5 mm	1 1/2 in.	37.5	1.50	4.59	.1807	
31.5 mm	1 1/4 in.	31.5	1.25	4.23	.1665	
26.5 mm	1.06 in.	26.5	1.06	3.90	.1535	1.050 in.
25.0 mm	1 in. (b)	25.0	1.00	3.80	.1496
22.4 mm	7/8 in.	22.4	0.875	3.50	.1378	.883 in.
19.0 mm	3/4 in.	19.0	0.750	3.30	.1299	.742 in.
16.0 mm	3/8 in.	16.0	0.625	3.00	.1181	.624 in.
13.2 mm	.530 in.	13.2	0.530	2.75	.1083	.525 in.
12.5 mm	1/2 in. (b)	12.5	0.500	2.67	.1051
11.2 mm	7/16 in.	11.2	0.438	2.45	.0965	.441 in.
9.5 mm	3/8 in.	9.5	0.375	2.27	.0894	.371 in.
8.0 mm	3/16 in.	8.0	0.312	2.07	.0815	2 1/2 mesh
6.7 mm	.265 in.	6.7	0.265	1.87	.0736	3 mesh
6.3 mm	1/4 in. (b)	6.3	0.250	1.82	.0717
5.6 mm	No. 3 1/2 (c)	5.6	0.223	1.68	.0661	3 1/2 mesh
4.75 mm	No. 4	4.75	0.187	1.54	.0606	4 mesh
4.00 mm	No. 5	4.00	0.157	1.37	.0539	5 mesh
3.35 mm	No. 6	3.35	0.132	1.23	.0484	6 mesh
2.80 mm	No. 7	2.80	0.111	1.10	.0430	7 mesh
2.36 mm	No. 8	2.36	0.0937	1.00	.0394	8 mesh
2.00 mm	No. 10	2.00	0.0787	.900	.0354	9 mesh
1.70 mm	No. 12	1.70	0.0661	.810	.0319	10 mesh
1.40 mm	No. 14	1.40	0.0555	.725	.0285	12 mesh
1.18 mm	No. 16	1.18	0.0469	.650	.0256	14 mesh
1.00 mm	No. 18	1.00	0.0394	.580	.0228	16 mesh
850 μm	No. 20	0.850	0.0331	.510	.0201	20 mesh
710 μm	No. 25	0.710	0.0278	.450	.0177	24 mesh
600 μm	No. 30	0.600	0.0234	.390	.0154	28 mesh
500 μm	No. 35	0.500	0.0197	.340	.0134	32 mesh
425 μm	No. 40	0.425	0.0165	.290	.0114	35 mesh
355 μm	No. 45	0.355	0.0139	.247	.0097	42 mesh
300 μm	No. 50	0.300	0.0117	.215	.0085	48 mesh
250 μm	No. 60	0.250	0.0098	.180	.0071	60 mesh
212 μm	No. 70	0.212	0.0083	.152	.0060	65 mesh
180 μm	No. 80	0.180	0.0070	.131	.0052	80 mesh
150 μm	No. 100	0.150	0.0059	.110	.0043	100 mesh
125 μm	No. 120	0.125	0.0049	.091	.0036	115 mesh
106 μm	No. 140	0.106	0.0041	.076	.0030	150 mesh
90 μm	No. 170	0.090	0.0035	.064	.0025	170 mesh
75 μm	No. 200	0.075	0.0029	.053	.0021	200 mesh
63 μm	No. 230	0.063	0.0025	.044	.0017	250 mesh
53 μm	No. 270	0.053	0.0021	.037	.0015	270 mesh
45 μm	No. 325	0.045	0.0017	.030	.0012	325 mesh
38 μm	No. 400	0.038	0.0015	.025	.0010	400 mesh