W. S. TYLER

TYLER

ASTM Sieve Chart and TYLER Equivalents

SIEVE DESIGNATION		SIEVE OPENING		NOMINAL WIRE DIAMETER		TYLER SCREEN SCALE EQUIVALENT DESIGNATION
STANDARD (a)	ALTERNATIVE	MM	IN (APPROX. EQUIVALENTS)	MM	IN (APPROX. EQUIVALENTS)	
125 mm	5 in.	125.000	5.0000	8.000	0.3150	-
106 mm	4.24 in.	106.000	4.2400	6.400	0.2520	-
100 mm	4 in. (b)	100.000	4.0000	6.300	0.2480	-
90 mm	3 1/2 in.	90.000	3.5000	6.080	0.2394	-
75 mm	3 in.	75.000	3.0000	5.800	0.2283	-
63 mm	2 1/2 in.	63.000	2.5000	5.500	0.2165	-
53 mm	2.12 in.	53.000	2.1200	5.150	0.2028	-
50 mm	2 in. (b)	50.000	2.0000	5.050	0.1988	-
45 mm	1 3/4 in.	45.000	1.7500	4.850	0.1909	-
37.5 mm	1 1/2 in.	37.500	1.5000	4.590	0.1807	-
31.5 mm	1 1/4 in.	31.500	1.2500	4.230	0.1665	-
26.5 mm	1.06 in.	26.500	1.0600	3.900	0.1535	1.050 in.
25.0 mm	1.00 in. (b)	25.000	1.0000	3.800	0.1496	-
22.4 mm	7/8 in.	22.400	0.8750	3.500	0.1378	0.883 in.
19.0 mm	3/4 in.	19.000	0.7500	3.300	0.1299	0.742 in.
16.0 mm	5/8 in.	16.000	0.6250	3.000	0.1181	0.624 in.
13.2 mm	0.530 in	13.200	0.5300	2.750	0.1083	0.525 in.
12.5 mm	1/2 in. (b)	12.500	0.5000	2.670	0.1051	-
11.2 mm	7/16 in.	11.200	0.4380	2.450	0.0965	0.441 in.
9.50 mm	3/8 in.	9.500	0.3750	2.270	0.0894	0.371 in.
8.00 mm	5/16 in.	8.000	0.3120	2.070	0.0815	2 1/2 Mesh
6.70 mm	0.265 in.	6.700	0.2650	1.870	0.0736	3 Mesh
6.30 mm	1/4 in. (b)	6.300	0.2500	1.820	0.0717	-
5.60 mm	No. 3 1/2 (c)	5.600	0.2230	1.680	0.0661	3 1/2 Mesh
4.75 mm	No. 4	4.750	0.1870	1.540	0.0606	4 Mesh
4.00 mm	No. 5	4.000	0.1570	1.370	0.0539	5 Mesh
3.35 mm	No. 6	3.350	0.1320	1.230	0.0484	6 Mesh
2.80 mm	No. 7	2.800	0.1100	1.100	0.0430	7 Mesh
2.36 mm	No. 8	2.360	0.0937	1.000	0.0394	8 Mesh
2.00 mm	No. 10	2.000	0.0787	0.900	0.0354	9 Mesh
1.70 mm	No. 12	1.700	0.0661	0.810	0.0319	10 Mesh
1.40 mm	No. 14	1.400	0.0555	0.725	0.0285	12 Mesh
1.18 mm	No. 16	1.180	0.0469	0.650	0.0256	14 Mesh
1.00 mm	No. 18	1.000	0.0394	0.580	0.0228	16 Mesh
850 um	No. 20	0.850	0.0331	0.510	0.0201	20 Mesh
710 um	No. 25	0.710	0.0278	0.450	0.0177	24 Mesh
600 um	No. 30	0.600	0.0234	0.390	0.0154	28 Mesh
500 um	No. 35	0.500	0.0197	0.340	0.0134	32 Mesh
425 um	No. 40	0.425	0.0165	0.290	0.0114	35 Mesh
355 um	No. 45	0.355	0.0139	0.247	0.0097	42 Mesh
300 um	No. 50	0.300	0.0117	0.215	0.0085	48 Mesh
250 um	No. 60	0.250	0.0098	0.180	0.0071	60 Mesh
212 um	No. 70	0.212	0.0083	0.152	0.0060	65 Mesh
180 um	No. 80	0.180	0.0070	0.131	0.0052	80 Mesh
150 um	No. 100	0.150	0.0059	0.110	0.0043	100 Mesh
125 um	No. 120	0.125	0.0049	0.091	0.0036	115 Mesh
106 um	No. 140	0.106	0.0041	0.076	0.0030	150 Mesh
90 um	No. 170	0.090	0.0035	0.064	0.0025	170 Mesh
75 um	No. 200	0.075	0.0029	0.053	0.0021	200 Mesh
63 um	No. 230	0.063	0.0025	0.044	0.0017	250 Mesh
53 um	No. 270	0.053	0.0021	0.037	0.0015	270 Mesh
45 um	No. 325	0.045	0.0017	0.030	0.0012	325 Mesh
38 um	No. 400	0.038	0.0015	0.025	0.0010	400 Mesh
32 um	No. 450		0.0012	0.0011		
25 um	No. 500		0.0010	0.001		
20 um	No. 635		0.0008	0.0008		

(a) These standard designations correspond to the values for test sieves apertures recommended by the International Standards Organization Geneva, Switzerland

(b) These sieves are not in the fourth root of 2 Series, but they have been included because they are common usage

(c) These numbers (3 1/2 to 400) are the approximate number of openings per linear inch but it is prefered that the sieve be identified by the standard designation in millimeters or um. 1000 um = 1 mm

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