



# Mesh\*/Micron/Inch Conversions

U.S. SIEVE			MARKET GRADE				MILL GRADE					TENSILE BOLTING CLOTH					
SIEVE NO.	OPENING SIZE INCHES*	MICRONS	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	MICRONS	% OPEN AREA	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	MICRONS	% OPEN AREA	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	MICRONS	% OPEN AREA
1 in.	1.0000	25400															
7/8 in.	0.8750	22400															
3/4 in.	0.7500	19050															
5/8 in.	0.6250	16000															
1/2 in.	0.5000	12500						2	0.054	0.446	11330	79.6					
7/16 in.	0.4380	11200	2	0.0630	0.4370	11100	76.4										
3/8 in.	0.3750	9500						3	0.041	0.292	7420	76.7					
5/16 in.	0.3120	8000	3	0.0540	0.2790	7090	70.1										
1/4 in.	0.2500	6300						4	0.035	0.215	5460	74.0					
3 1/2	0.2230	5600															
			4	0.0475	0.2023	5138	65.9										
4	0.1870	4750	4	0.0630	0.1870	4750	56.0	5	0.032	0.168	4270	70.6					
			5	0.0410	0.1590	4040	63.2										
5	0.1570	4000						6	0.028	0.139	3530	69.6					
6	0.1320	3350	6	0.0350	0.1318	3350	62.7	7	0.028	0.115	2920	64.8					
7	0.1110	2800	7	0.0290	0.1080	2740	57.2	8	0.025	0.100	2540	64.0					
			8	0.0280	0.0964	2463	60.2										
8	0.0940	2360						9	0.023	0.088	2240	62.8					
								10	0.020	0.080	2030	64.0					
10	0.0790	2000	10	0.0258	0.0742	1910	56.2										
			11	0.0180	0.0730	1850	64.5										
12	0.0660	1700						12	0.018	0.065	1650	60.8	14	0.0090	0.0624	1580	76.4
			12	0.0230	0.0603	1530	51.8										
14	0.0550	1400						14	0.017	0.054	1370	57.2	16	0.0090	0.0535	1360	73.3
			14	0.0204	0.0510	1310	51.0										
16	0.0469	1190						16	0.016	0.465	1180	55.4	18	0.0090	0.0466	1180	70.2
			16	0.0181	0.0445	1130	50.7						20	0.0090	0.0410	1040	67.2
18	0.0394	1000						18	0.015	0.406	1030	53.4					
			18	0.0173	0.0386	979	48.3						22	0.0075	0.0380	964	69.7
								20	0.014	0.036	910	51.8	24	0.0075	0.0342	868	67.2
20	0.0331	850															
			20	0.0162	0.0340	864	46.2	22	0.014	0.032	810	49.6	26	0.0075	0.0310	786	64.8
25	0.0278	710						24	0.013	0.029	730	47.4	28	0.0075	0.0282	716	62.4
			24	0.0140	0.0277	704	44.2	26	0.011	0.028	700	51.1	30	0.0065	0.0268	681	64.8
								28	0.010	0.026	650	51.8	32	0.0065	0.0248	630	62.7
30	0.0234	600						30	0.010	0.024	605	51.0					
													34	0.0065	0.0229	582	60.7
								32	0.009	0.022	570	50.9	36	0.0065	0.0213	541	58.7
								34	0.009	0.020	520	48.1					
35	0.0197	500															
			30	0.0130	0.0203	516	37.1	36	0.009	0.019	480	45.8	38	0.0065	0.0198	503	56.7
													40	0.0065	0.0185	470	54.8
													42	0.0055	0.0183	465	59.1
			35	0.0118	0.0176	445	37.9	38	0.009	0.018	450	45.8	44	0.0055	0.0172	437	57.5
40	0.0165	425											46	0.0055	0.0162	411	55.8
								40	0.009	0.017	420	43.6	48	0.0055	0.0153	388	54.2
			40	0.0104	0.0150	381	36.0						50	0.0055	0.0145	368	52.5
45	0.0139	355						45	0.008	0.014	360	40.8					
													52	0.0055	0.0137	348	51.0
													54	0.0055	0.0130	330	49.4
													58	0.0045	0.0127	323	54.6
													60	0.0045	0.0122	310	53.3
50	0.0117	300						50	0.008	0.013	320	39.1	62	0.0045	0.0116	295	51.7
													64	0.0045	0.0111	281	50.7
								55	0.007	0.011	280	37.9					
			50	0.0090	0.0110	279	30.3						70	0.0037	0.0106	269	54.9
								60	0.007	0.010	260	37.5	72	0.0037	0.0102	259	53.8
60	0.0098	250											74	0.0037	0.0028	249	52.7
													76	0.0037	0.0095	241	51.7
													78	0.0037	0.0091	231	50.6
													80	0.0037	0.0088	224	49.6
													84	0.0035	0.0084	213	49.8
70	0.0083	212											88	0.0035	0.0079	201	47.9
													90	0.0035	0.0076	193	46.9
80	0.0070	180											94	0.0035	0.0071	180	45.0
													105	0.0030	0.0065	165	46.9
100	0.0059	150											120	0.0025	0.0058	147	48.8
			80	0.0055	0.0070	178	31.4										
			100	0.0045	0.0055	140	30.3										
120	0.0049	125											145	0.0022	0.0047	119	46.4
			120	0.0037	0.0046	117	30.5						165	0.0019	0.0042	107	47.1
			150	0.0026	0.0041	103	37.9										
140	0.0041	106															
170	0.0035	90															
200	0.0029	75															
230	0.0025	63	200	0.0021	0.0029	74	33.6										
270	0.0021	53	250	0.0016	0.0024	61	36.0										
325	0.0017	45															
400	0.0015	38	325	0.0014	0.0017	43	30.5										
500	0.0010	25	400	0.0010	0.0015	38	36.0										
635	0.0008	20	500	0.0010	0.0010	25	25.0										
			635	0.0008	0.0008	20	25.8										

\*Mesh indicates the number of apertures (openings) in one linear inch. (25.4 mm) of screen.

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