Mesh*/Micron/Inch Conversions

U.S. SIEVE			MARKET GRADE					MILL GRADE					TENSILE BOLTING CLOTH				
SIEVE NO.	OPENING SIZE INCHES*	OPENING SIZE MICRONS	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	OPENING SIZE MICRONS	% OPEN AREA	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	OPENING SIZE MICRONS	% OPEN AREA	MESH SIZE	WIRE SIZE (in.)	OPENING SIZE INCHES*	OPENING SIZE 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															
5/16 in.	0.3120	8000						3	0.041	0.292	7420	76.7					
			3	0.0540	0.2790	7090	70.1										
1/4 in.	0.2500	6300															
3 1/2	0.2230	5600						4	0.035	0.215	5460	74.0					
			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	0.015	0.406	1030	53.4					
18	0.0394	1000	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	0.0162	0.0340	864	46.2										
20	0.0331	850						22	0.014	0.032	810	49.6	26	0.0075	0.0310	786	64.8
								24	0.013	0.029	730	47.4	28	0.0075	0.0282	716	62.4
25	0.0278	710	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	0.010	0.024	605	51.0					
30	0.0234	600											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					
			30	0.0130	0.0203	516	37.1						38	0.0065	0.0198	503	56.7
35	0.0197	500						36	0.009	0.019	480	45.8	40	0.0065	0.0185	470	54.8
													42	0.0055	0.0183	465	59.1
								38	0.009	0.018	450	45.8					
			35	0.0118	0.0176	445	37.9						44	0.0055	0.0172	437	57.5
40	0.0165	425						40	0.009	0.017	420	43.6	46	0.0055	0.0162	411	55.8
													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	0.008	0.014	360	40.8					
45	0.0139	355											52	0.0055	0.0137	348	51.0
													54	0.0055	0.0130	330	49.4
													58	0.0045	0.0127	323	54.6
								50	0.008	0.013	320	39.1	60	0.0045	0.0122	310	53.3
50	0.0117	300											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	0.0098	249	52.7
													76	0.0037	0.0095	241	51.7
			60	0.0075	0.0092	234	30.5						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
			80	0.0055	0.0070	178	31.4						105	0.0030	0.0065	165	46.9
100	0.0059	150											120	0.0025	0.0058	147	48.8
			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
140	0.0041	106	150	0.0026	0.0041	103	37.9										
170	0.0035	90											200	0.0016	0.0034	86	46.2
200	0.0029	75	200	0.0021	0.0029	74	33.6						230	0.0014	0.0029	74	46.0
230	0.0025	63	250	0.0016	0.0024	61	36.0										
270	0.0021	53															
325	0.0017	45	325	0.0014	0.0017	43	30.5										
400	0.0015	38	400	0.0010	0.0015	38	36.0										
500	0.0010	25	500	0.0010	0.0010	25	25.0										
635	0.0008	20	635	0.0008	0.0008	20	25.8										

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

Screening and Fluid Bed Processing Equipment

Single-Deck Vibratory Screener

Satisfies general screening requirements at low cost

FLO-THRU Low-Profile, High-Capacity Scalper

Separates at high rates in low-headroom areas

Single and Multi-Deck Vibratory Screener

Sifts, scalps and/or classifies into precise segments

Vibratory Screener with Clamshell Lid

Allows rapid screen changes, easy wash down

Ultra-Sanitary, Gap-Free Screener

Meets cGMP, 3-A, USDA and FDA standards

Ultra-Sanitary Low-Profile Batch Screener

Meets cGMP, 3-A, USDA and FDA standards

High-Capacity Classifier

Scalps and dedusts at ultra-high rates

"KASCADE" Internal Recycle High-Capacity Screener

Boosts capacity 60 to 160%

PNEUMATI-SIFTER High-Capacity Screener

Scalps in-line with pneumatic conveying systems gently, at high rates

Portable Batch Sifter

Scalps material loaded into containers, process equipment and storage vessels

Bag Dump Screener

Scalps bulk material while collecting dust

Quick-Clean Centrifugal Screener

Allows rapid removal of components for thorough cleaning, maintenance

PNEUMATI-SIFTER Centrifugal Screener

Screens in-line with pneumatic conveying systems at high rates

Centrifugal Dewatering Screener

Extracts more moisture than conventional screeners

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Screens small batches of contamination-sensitive products

Circular Vibratory Fluid Bed Processor

Dries, cools, moisturizes with greater efficiency at lower cost

Fluid Bed Processing System

Dries, cools or moisturizes bulk material on a batch or continuous basis

CROSS-FLO Static Dewatering Sieve

Removes solids from waste streams at ultra-high rates

VIBROSCREEN® Original Equipment Replacement Parts

Maximize the performance of any circular vibratory screener

CENTRI-SIFTER® Original Equipment Replacement Parts

Maximize the performance of any centrifugal screener