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We Put Technology In Motion™

Particle Size to Screen Mesh Conversion Chart

Particle Size		Tensile Bolting Cloth					Market Grade					Clear Opening			U.S. Std. Sieve		Mill Grade				
Inches	Microns	Mesh TBC	Opening Inches	Opening Microns	Wire Dia.	% Open Area	Mesh MG	Opening Inches	Opening Microns	Wire Dia.	% Open Area	Clear Open	Wire Dia.	% Open Area	Closest Std Sieve	Opening In Inches	Mesh MI Gd	Opening Inches	Opening Microns	Wire Dia.	% Open Area
1.0000	25,400											1.0000	.105	81.9%							
.7500	19,050											.7500	.063	82.0%							
.8333	15,875											.8333	.063	82.5%							
.5625	14,269											.5625	.063	81.0%							
.5000	12,700											.5000	.047	86.0%							
.4375	11,112						2	.4370	11100	.0630	76.4%	.4375	.047	79.3%			2	.4460	11328	.0540	79.6%
.3750	9525											.3750	.047	79.2%							
.3125	7938											.3125	.047	68.0%			3	.2923	7424	.0410	76.7%
.2500	7097						3	.2790	7087	.0540	70.1%	.2500	.047	70.9%							
.2230	5660						4	.2023	5138	.0475	65.9%				3.5	.2205	4	.2150	5461	.3500	74.0%
.1870	4750						4	.1870	4750	.0630	56.0%	.1875	.041	57.3%	4	.1870					
.1570	4000						5	.1590	4039	.0410	63.2%				5	.1575	5	.1680	4267	.0320	70.6%
.1320	3350						6	.1318	3348	.0348	62.7%	.1250	.041	56.7%	6	.1319	6	.1387	3523	.0280	69.6%
.1110	2820						7	.1080	2743	.0350	57.2%				7	.1102	7	.1149	2918	.0280	64.8%
.0937	2380						8	.0964	2449	.0286	60.2%				8	.0929	8	.1000	2540	.0250	64.0%
.0787	2000						10	.0742	1885	.0258	56.3%				10	.0787	9	.0881	2238	.0230	62.7%
.0730	1854						11	.0730	1854	.0180	64.5%						10	.0800	2032	.0200	64.0%
.0661	1680	14	.0620	1575	.0090	76.4%	12	.0603	1532	.0230	51.8%				12	.0669	11	.0709	1801	.0200	61.0%
.0555	1410	16	.0535	1359	.0090	73.3%	14	.0510	1295	.0204	51.0%				14	.0551	12	.0653	1659	.0180	60.8%
.0469	1190	18	.0466	1184	.0090	70.2%	16	.0445	1130	.0181	50.7%				16	.0465	14	.0544	1382	.0170	57.2%
.0410	1041	20	.0410	1041	.0090	67.2%	18	.0386	980	.0173	48.3%						16	.0465	1181	.0160	55.4%
.0394	1000	22	.0380	965	.0075	69.7%	20	.0340	864	.0162	46.2%						18	.0406	1031	.0150	53.4%
.0331	841	24	.0342	869	.0075	67.2%															
.0310	784	26	.0310	787	.0075	64.8%	24	.0277	704	.0140	44.2%				20	.0335	20	.0360	914	.0140	51.8%
																	22	.0320	813	.0135	49.6%
.0278	707	28	.0282	716	.0075	62.4%									25	.0280	24	.0287	729	.0130	47.4%
.0268	681	30	.0268	681	.0065	64.8%	30	.0203	516	.0128	37.1%						26	.0275	699	.0110	51.1%
.0248	630	32	.0248	630	.0065	62.7%															
.0234	595	34	.0229	582	.0065	60.7%									30	.0236	28	.0257	653	.0100	51.8%
.0213	541	36	.0213	541	.0065	58.7%	35	.0176	447	.0118	37.9%						30	.0238	605	.0095	51.0%
.0197	500	38	.0198	503	.0065	56.7%									35	.0197	32	.0223	566	.0090	50.9%
.0185	470	40	.0185	470	.0065	54.8%											34	.0204	518	.0090	48.1%
.0183	465	42	.0183	465	.0055	59.1%											36	.0188	478	.0090	45.8%
.0172	437	44	.0172	437	.0055	57.4%	40	.0150	381	.0104	36.0%						38	.0178	452	.0085	45.8%
.0165	420	46	.0162	411	.0055	55.8%									40	.0167					
.0153	388	48	.0153	389	.0055	54.2%											40	.0165	419	.0085	43.6%
.0145	368	50	.0145	368	.0055	52.6%											45	.0142	361	.0080	40.8%
.0139	354	52	.0137	348	.0055	51.0%									45	.0140					
.0130	330	54	.0130	330	.0055	49.4%															
.0127	323	58	.0127	323	.0045	54.6%											50	.0125	318	.0075	39.1%
.0122	310	60	.0122	310	.0045	53.3%															
.0117	297	62	.0116	295	.0045	51.7%									50	.0118					
.0111	282	64	.0111	282	.0045	50.7%	50	.0110	279	.0090	30.3%						55	.0112	284	.0070	37.9%
.0106	270	70	.0106	269	.0037	54.9%											60	.0102	259	.0065	37.5%
.0102	260	72	.0102	259	.0037	53.8%															
.0098	250	74	.0098	249	.0037	52.7%									60	.0098					
.0095	241	76	.0095	241	.0037	51.7%															
.0091	231	78	.0091	231	.0037	50.6%	60	.0092	234	.0075	30.5%										
.0088	224	80	.0088	224	.0037	49.6%															
.0083	210	84	.0084	213	.0035	49.8%											70	.0083			
.0079	200	88	.0079	201	.0035	47.9%															
.0076	193	90	.0076	193	.0035	47.8%															
.0070	177	94	.0071	180	.0035	45.0%															
.0065	165	105	.0065	165	.0030	46.9%															
.0059	149	120	.0058	147	.0025	47.3%	80	.0070	178	.0055	31.4%										
.0049	125	145	.0047	119	.0022	46.4%	100	.0055	140	.0045	30.3%				100	.0059					
.0041	105	165	.0042	107	.0019	47.1%	120	.0046	117	.0037	30.5%				120	.0049					
.0035	88	200	.0034	86	.0016	46.2%	150	.0041	104	.0026	37.9%				140	.0042					
.0029	74	230	.0029	74	.0014	46.0%	170	.0035	89	.0024	35.4%				170	.0035					
.0025	63						200	.0029	74	.0021	33.6%				200	.0030					
.0021	53						250	.0024	61	.0016	36.0%				230	.0025					
.0017	44	300	.0022	56	.0012	42.0%	270	.0021	53	.0016	32.0%				270	.0021					
.0015	38						325	.0017	43	.0014	30.5%				325	.0018					
.0010	25						400	.0015	38	.0010	36.0%				400	.0015					
.0008	20						500	.0010	25	.0010	25.0%				500	.0010					
							635	.0008	20	.0008	25.0%				635	.0008					

Sweco does not carry all Mill Grade Meshes.