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Particle Size to Screen Mesh Conversion Chart

	Tensile Bolting Cloth					Mill Grade					Market Grade					Clear Opening			U.S. Std. Sieve		
				%					%					%			%		Opening	Opening	
Mesh		ning	Wire	Open	Mesh		ening	Wire	Open	Mesh		ning	Wire	Open	Clear	Wire	Open	Std	in	in	
TBC	Incres	Microns	Dia.	Area	IVII Ga	Inches	Microns	Dia.	Area	MG	Inches	Microns	Dia.	Area	Open 1.0000	Dia. .105	Area 81.9%	Sieve	Inches	Microns	
															.7500	.063	82.0%				
															.8333	.063	82.5%				
															.5625	.063	81.0%				
															.5000	.047	86.0%				
					2	.4460	11328	.0540	79.6%	2	.4370	11100	.0630	76.4%	.4375	.047	79.3%				
															.3750	.047	79.2%				
					3	.2923	7424	.0410	76.7%						.3125	.047	68.0%				
							= + = +	0050	74.004	3	.2790	7087	.0540	70.1%	.2500	.047	70.9%				
					4	.2150	5461	.0350	74.0%	4	.2023	5138	.0475	65.9%	4075	0.44	57.00/	3.5	.2205	5600	
					5	.1680	4267	.0320	70.6%	4 5	.1870 .1590	4750 4039	.0630 .0410	56.0% 63.2%	.1875	.041	57.3%	4	.1870 .1575	4750 4000	
					6	.1387	3523	.0320	69.6%	6	.1318	3348	.0410	62.7%	.1250	.041	56.7%	6	.1375	3350	
					7	.1149	2918	.0280	64.8%	7	.1080	2743	.0350	57.2%	.1200	.011	00.170	7	.1102	2800	
					8	.1000	2540	.0250	64.0%	8	.0964	2449	.0286	60.2%				8	.0929	2360	
					9	.0881	2238	.0230	62.7%		-								-		
					10	.0800	2032	.0200	64.0%	10	.0742	1885	.0258	56.3%				10	.0787	2000	
					11	.0709	1801	.0200	61.0%	11	.0730	1854	.0180	64.5%							
14	.0620	1575	.0090	76.4%	12	.0653	1659	.0180	60.8%	12	.0603	1532	.0230	51.8%				12	.0669	1700	
16	.0535	1359	.0090	73.3%	14	.0544	1382	.0170	57.2%	14	.0510	1295	.0204	51.0%				14	.0551	1400	
18	.0466	1184	.0090	70.2%	16	.0465	1181	.0160	55.4%	16	.0445	1130	.0181	50.7%				16	.0465	1180	
20	.0410	1041	.0090	67.2%	18	.0406	1031	.0150	53.4%	40	0000	000	0470	40.00/				40	0204	4000	
22 24	.0380 .0342	965 869	.0075 .0075	69.7% 67.2%	20	.0360	914	.0140	51.8%	18 20	.0386 .0340	980 864	.0173 .0162	48.3% 46.2%				18 20	.0394 .0335	1000 850	
24	.0342	787	.0075	64.8%	20	.0300	813	.0140	49.6%	20	.0340	004	.0102	40.2 %				20	.0335	830	
20	.0310	101	.0075	04.078	24	.0320	729	.0130	47.4%												
28	.0282	716	.0075	62.4%	26	.0275	699	.0110	51.1%	24	.0277	704	.0140	44.2%				25	.0280	710	
30	.0268	681	.0065	64.8%																	
32	.0248	630	.0065	62.7%	28	.0257	653	.0100	51.8%												
34	.0229	582	.0065	60.7%	30	.0238	605	.0095	51.0%									30	.0236	600	
36	.0213	541	.0065	58.7%	32	.0223	566	.0090	50.9%	30	.0203	516	.0128	37.1%							
38	.0198	503	.0065	56.7%	34	.0204	518	.0090	48.1%									35	.0197	500	
40	.0185	470	.0065	54.8%	36	.0188	478	.0090	45.8%												
42	.0183	465	.0055	59.1%	38	.0178	452	.0085	45.8%	25	0470	4 4 7	0440	07.00/							
44 46	.0172 .0162	437 411	.0055	57.4% 55.8%	40	.0165	419	.0085	43.6%	35	.0176	447	.0118	37.9%				40	.0167	425	
40	.0102	389	.0055	54.2%	40	.0105	419	.0065	43.0%	40	.0150	381	.0104	36.0%				40	.0107	420	
50	.0145	368	.0055	52.6%	45	.0142	361	.0080	40.8%	-10	.0100	001	.0101	00.070							
52	.0137	348	.0055	51.0%														45	.0140	355	
54	.0130	330	.0055	49.4%																	
58	.0127	323	.0045	54.6%	50	.0125	318	.0075	39.1%												
60	.0122	310	.0045	53.3%																	
62	.0116	295	.0045	51.7%														50	.0118	300	
64	.0111	282	.0045	50.7%	55	.0112	284	.0070	37.9%	50	.0110	279	.0090	30.3%							
70	.0106	269	.0037	54.9%	60	0102	250	0065	27 50/												
72 74	.0102	259 249	.0037 .0037	53.8% 52.7%	60	.0102	259	.0065	37.5%									60	.0098	250	
74	.0098	249 241	.0037	52.7% 51.7%														00	.0090	200	
78	.0095	231	.0037	50.6%						60	.0092	234	.0075	30.5%							
80	.0088	224	.0037	49.6%										2 3.0 70							
84	.0084	213	.0035	49.8%														70	.0083	212	
88	.0079	201	.0035	47.9%																	
90	.0076	193	.0035	47.8%																	
94	.0071	180	.0035	45.0%						80	.0070	178	.0055	31.4%				80	.0071	180	
105	.0065	165	.0030	46.9%																	
120	.0058	147	.0025	47.3%						100	.0055	140	.0045	30.3%				100	.0059	150	
145	.0047	119	.0022	46.4%						120	.0046	117	.0037	30.5%				120	.0049	125	
165 200	.0042	107 86	.0019	47.1%						150	.0041 .0035	104 89	.0026	37.9%				140 170	.0042 .0035	106 90	
200	.0034	86 74	.0016 .0014	46.2% 46.0%						170 200	.0035	89 74	.0024	35.4% 33.6%				200	.0035	90 75	
200	.0023	14	.0014	10.070						250	.0029	61	.0021	36.0%				200	.0030	63	
300	.0022	56	.0012	42.0%						270	.0024	53	.0016	32.0%				230	.0023	53	
										325	.0017	43	.0014	30.5%				325	.0018	45	
										400	.0015	38	.0010	36.0%				400	.0015	38	
										500	.0010	25	.0010	25.0%				500	.0010	25	
										635	.0008	20	.0008	25.0%				635	.0008	20	

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