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## **SIEVE & MESH EQUIVALENTS**

Microns	US Sieve	Tyler Mesh	Inches	Millimeters
2000	10	9	0.0787	2
1679	12	10	0.0661	1.679
1410	14	12	0.0555	1.41
1191	16	14	0.0469	1.191
100	18	16	0.0394	1
850	20	20	0.0331	0.85
710	25	24	0.0278	0.71
600	30	28	0.0234	0.6
500	35	32	0.0197	0.5
425	40	35	0.0165	0.425
355	45	42	0.0139	0.355
300	50	48	0.0117	0.3
250	60	60	0.0098	0.25
212	70	65	0.0083	0.212
180	80	80	0.007	0.18
150	100	100	0.0059	0.15
125	120	115	0.0049	0.125
106	140	150	0.0041	0.106
90	170	170	0.0035	0.09
75	200	200	0.0029	0.075
63	230	250	0.0025	0.063
53	270	270	0.0021	0.053
45	325	325	0.0017	0.045
38	400	400	0.0015	0.038

\* When a screen is blinded, the openings are plugged with particles and mud can no longer flow through the screens. The screen surface will feel like sand paper. Select the next finest mesh or de-blinding style screens.

## **SEPARATION POTENTIAL**

Screen Mesh	d50	Cond	Application
30	562	16.6	General Use
40	476	9.5	General Use
50	409	11.4	General Use
84	177	4.1	All Purpose
110	133	3.2	All Purpose
140	113	2.5	All Purpose
175	87	2.1	All Purpose
210	76	1.8	All Purpose
230	66	1.6	All Purpose
250	61	1.3	All Purpose
*D50	This is average size opening of the screen measured in microns. 50% of this size particle will be removed.		