



# Sieve Conversion Chart

*Badger Mining Corporation*

International ISO 565 (TBL 2): 83	American ASTM E-11-87	British BSS 410-76	German / French DIN 4188 2 1977 AFNOR NFX 11-501	American (Alternative)	Fall Rate in Water
Aperture	Sieve Number	Sieve Number	Aperture (mm)	Opening (in.)	Feet / Minute
4.75	4	3-1/2	-	0.1870	
4.00	5	4	4.00	0.1570	
3.35	6	5	3.15*	0.1320	
2.80	7	6	-	0.1110	
2.36	8	7	2.50*	0.0937	
2.00	10	8	2.00	0.0787	35.8-49.2
1.70	12	10	1.60*	0.0661	32.7-44.5
1.40	14	12	1.40	0.0555	29.5-39.8
1.18	16	14	1.12*	0.0469	26.4-35.0
1.00	18	16	1000	0.0394	23.2-30.7

Microns					
850	20	18	800*	0.0331	20.5-26.4
710	25	22	710	0.0278	15.2-18.7
600	30	25	-	0.0234	12.6-15.5
500	35	30	500	0.0197	10.4-12.8
425	40	36	400*	0.0165	8.7-10.4
355	45	44	355	0.0139	7.1-8.7
300	50	52	315*	0.0117	5.7-6.9
250	60	60	250	0.0098	4.4-5.5
212	70	72	200*	0.0083	3.5-4.3
180	80	85	180	0.0070	2.8-3.3
150	100	100	140*	0.0059	2.2-2.4
125	120	120	125	0.0049	
106	150	150	100*	0.0041	
90	170	170	90	0.0035	
75	200	200	71*	0.0029	
63	230	240	63	0.0025	
53	270	300	56*	0.0021	
45	325	350	45	0.0017	
38	400	400	36*	0.0015	

\* Closest equivalent to ISO 565



# Common Field Conversions for Sand Users

*Badger Mining Corporation*

Property	From Metric	Multiply by	[to] English [from]	Multiply by	To Metric
Bulk Density	g/cm <sup>3</sup>	62.4267	lbs/ft <sup>3</sup>	0.0160	g/cm <sup>3</sup>
Absolute Volume	cm <sup>3</sup> /g	0.1198	gal/lb	8.3453	cm <sup>3</sup> /g
Volume	m <sup>3</sup>	35.315	ft <sup>3</sup>	0.0283	m <sup>3</sup>
Area	m <sup>2</sup>	10.764	ft <sup>2</sup>	0.0929	m <sup>2</sup>
Length	m	3.2808	ft	0.3048	m
Weight	tonne	2204.6	lbs	0.4536	kg

**Other Approximate Measures**

Revised 12.14.16

1 yd<sup>3</sup> = 1.35 tons silica sand

1 gal = 13.4 lbs silica sand