

# WASHINGTON MILLS

## ANSI GRIT SIZE CONVERSION CHART

This chart is designed to help you correlate ANSI grit sizes on the far left with their corresponding particle sizes in inches + micrometers (max, averages, mins) in the remaining columns.

Macro Grit	Inches			Micrometers		
	Maximum	Average	Minimum	Maximum	Average	Minimum
8	0.130	0.087	0.065	3300	2210	1650
10	0.105	0.073	0.055	2667	1854	1397
12	0.090	0.063	0.045	2286	1600	1143
14	0.075	0.053	0.037	1905	1346	940
16	0.065	0.043	0.031	1650	1092	787
20	0.053	0.037	0.026	1346	940	660
24	0.043	0.027	0.018	1092	686	457
30	0.032	0.022	0.014	813	559	356
36	0.030	0.019	0.012	762	483	305
46	0.022	0.014	0.0095	559	356	241
54	0.0195	0.012	0.0080	495	305	203
60	0.0160	0.010	0.0065	406	254	165
70	0.0130	0.008	0.0050	330	203	127
80	0.0115	0.0065	0.0040	292	165	102
90	0.0095	0.0057	0.00350	241	145	89
100	0.0080	0.0048	0.0025	203	122	63
120	0.0065	0.0040	0.0020	165	102	50
150	0.0055	0.0035	0.0015	140	89	38
180	0.0045	0.0030	0.0010	114	76	25
220	0.0040	0.0025	0.0008	102	63	20

Micro Grit	Inches			Micrometers		
	Maximum	Average	Minimum	D3% Max (micrometer)	D50 +/- (average micrometer size)	D94% Min (micrometer)
240	0.00330	0.00200	0.00099	74 - 80	47 - 53	26 - 32
280	0.00280	0.00154	0.00075	67 - 72	37 - 42	20 - 25
320	0.00240	0.00122	0.00055	55 - 60	27 - 32	15 - 19
360	0.00157	0.00090	0.00049	38 - 42	21 - 25	10.5 - 14.5
400	0.00180	0.00087	0.00043	31.5 - 35.0	16.5 - 20	7.5 - 10.5
500	0.00160	0.00075	0.00039	28.0 - 30.5	12.5 - 15.3	5.5 - 8.0
600	0.00140	0.00063	-	24.0 - 27.0	9.2 - 11.9	-
800	0.00120	0.00047	-	20.5 - 22.5	6.5 - 8.8	-
1000	0.00090	0.00028	-	16 - 18	5.2 - 6.4	-
1200	0.00114	0.00014	-	13.5 - 15.5	2.8 - 4.8	-
F	0.00303	0.00160	0.00071	80	38 - 52	20
FF	0.00270	0.00130	0.00055	45 - 55	23 - 32	9 - 16.5
FFF	0.00180	0.00075	0.00039	35	12 - 20	5
FFFF	0.00140	0.00043	0.00016	35	11	4