



# PRECISION HIGH-TECH CERAMICS

## FROM PROTOTYPE TO PRODUCTION

**CALL US TOLL FREE: 1.800.887.3622**

### ALUMINA TUBES (EXTRUDED)

OD(in)	ID(in)	OD(mm)	ID(mm)
0.050	0.020	1.27	0.51
0.063	0.031	1.60	0.79
0.094	0.040	2.39	1.02
0.094	0.063	2.39	1.60
0.100	0.050	2.54	1.27
0.125	0.063	3.18	1.60
0.156	0.094	3.96	2.39
0.188	0.094	4.78	2.39
0.188	0.125	4.78	3.18
0.219	0.156	5.56	3.96
0.250	0.125	6.35	3.18
0.250	0.156	6.35	3.96
0.250	0.188	6.35	4.78
0.260	0.125	6.60	3.18
0.313	0.188	7.95	4.78
0.313	0.219	7.95	5.56
0.375	0.250	9.53	6.35
0.438	0.313	11.13	7.95
0.500	0.250	12.70	6.35
0.500	0.375	12.70	9.53
0.625	0.500	15.88	12.70
0.688	0.500	17.48	12.70
0.750	0.500	19.05	12.70
0.750	0.563	19.05	14.30
0.875	0.625	22.23	15.88

*Diameter tolerance  $\pm 3\%$  or  $\pm 0.003"$  (0.076 mm), whichever is greater. Straightness: camber / length  $\leq 0.003$*



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### ALUMINA TUBES (CAST)

OD(in)	ID(in)	OD(mm)	ID(mm)	OD(in)	ID(in)	OD(mm)	ID(mm)
0.250	0.156	6.35	3.96	2.000	1.750	50.80	44.45
0.313	0.188	7.95	4.78	2.125	1.875	53.98	47.63
0.394	0.236	10.00	6.00	2.250	2.000	57.15	50.80
0.375	0.250	9.53	6.35	2.375	2.125	60.33	53.98
0.500	0.250	12.70	6.35	2.500	2.250	63.50	57.15
0.394	0.276	10.00	7.00	2.750	2.375	69.85	60.33
0.438	0.313	11.13	7.95	2.750	2.500	69.85	63.50
0.500	0.375	12.70	9.53	3.000	2.750	76.20	69.85
0.590	0.394	15.00	10.00	3.250	2.875	82.55	73.03
0.590	0.433	15.00	11.00	3.500	3.125	88.90	79.38
0.688	0.438	17.48	11.13	3.500	3.250	88.90	82.55
0.688	0.500	17.48	12.70	3.750	3.375	95.25	85.73
0.750	0.500	19.05	12.70	4.000	3.625	101.60	92.08
0.750	0.563	19.05	14.30	4.250	3.875	107.95	98.43
0.875	0.625	22.23	15.88	4.500	4.125	114.30	104.78
0.938	0.688	23.83	17.48	4.750	4.375	120.65	111.13
0.945	0.709	24.00	18.00	5.000	4.625	127.00	117.48
1.000	0.750	25.40	19.05	5.250	4.875	133.35	123.86
1.125	0.875	28.58	22.23	5.500	5.125	139.70	130.18
1.250	1.000	31.75	25.40	6.000	5.625	152.40	142.88
1.375	1.125	34.93	28.58	6.500	6.125	165.10	155.58
1.500	1.250	38.10	31.75	7.000	6.625	177.80	168.28
1.625	1.375	41.28	34.93	7.500	7.125	190.50	180.98
1.750	1.500	44.45	38.10	7.875	7.500	200.03	190.50
1.875	1.625	47.63	41.28	8.250	7.875	209.55	200.03

Diameter tolerance  $\pm 3\%$  or  $\pm 0.003''$  (0.076 mm), whichever is greater. Straightness: camber / length  $\leq 0.003$



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### MULLITE TUBES

OD(in)	ID(in)	OD(mm)	ID(mm)
0.078	0.047	1.98	1.19
0.125	0.063	3.18	1.60
0.125	0.094	3.18	2.39
0.156	0.094	3.96	2.39
0.188	0.125	4.78	3.18
0.219	0.125	5.56	3.18
0.250	0.063	6.35	1.60
0.250	0.125	6.35	3.18
0.250	0.188	6.35	4.78
0.313	0.188	7.95	4.78
0.313	0.250	7.95	6.35
0.375	0.125	9.53	3.18
0.375	0.188	9.53	4.78
0.375	0.250	9.53	6.35
0.438	0.313	11.13	7.95
0.500	0.125	12.70	3.18
0.500	0.250	12.70	6.35
0.500	0.313	12.70	7.95
0.500	0.375	12.70	9.53
0.500	0.406	12.70	10.31
0.625	0.500	15.88	12.70
0.688	0.500	17.48	12.70
0.750	0.500	19.05	12.70
0.750	0.563	19.05	14.30
0.875	0.625	22.23	15.88

*Diameter tolerance  $\pm 3\%$  or  $\pm 0.003"$  (0.076 mm), whichever is greater. Straightness: camber / length  $\leq 0.003$*



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### ALUMINA RODS

OD(in)	OD(mm)	OD(in)	OD(mm)
0.011	0.28	0.197	5.00
0.020	0.51	0.212	5.38
0.022	0.56	0.250	6.35
0.024	0.61	0.264	6.71
0.029	0.74	0.313	7.95
0.030	0.76	0.375	9.53
0.035	0.89	0.388	9.86
0.040	1.02	0.400	10.16
0.041	1.04	0.440	11.18
0.043	1.09	0.500	12.70
0.048	1.22	0.518	13.16
0.056	1.42	0.625	15.88
0.063	1.60	0.640	16.26
0.072	1.83	0.750	19.05
0.096	2.44	0.775	19.69
0.125	3.18	0.875	22.23
0.137	3.48	1.000	25.40
0.188	4.78	1.350	34.29

*Diameter tolerance  $\pm 3\%$  or  $\pm 0.003''$  (0.076 mm), whichever is greater. Straightness: camber / length  $\leq 0.003$*



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### GRADE A LAVA/ALUMINA SILICATE RODS

**OD(in)**

0.500

0.625

0.750

1.000

1.250

1.500

1.750

2.000

2.250

2.500

2.750

3.000

3.500

4.000

4.500

5.000

### ZIRCONIA RODS (MgS)

**OD(in) OD(mm)**

0.063 1.60

0.125 3.18

0.150 3.81

0.188 4.78

0.250 6.35

0.313 7.95

0.375 9.53

0.390 9.91

0.438 11.13

0.500 12.70

0.850 21.59

1.100 27.94

1.350 34.29