

## SURFACE ROUGHNESS VALUE CONVERSIONS

Rt	Rz*	Ra / CLA / AA		Rq / RMS / Rs	
μm	μm	μm	μ"	μm	μ"
0.06	0.03	0.006	0.2	0.007	0.2
0.08	0.04	0.008	0.3	0.009	0.3
0.1	0.05	0.01	0.4	0.011	0.4
0.12	0.06	0.012	0.5	0.013	0.5
0.15	0.08	0.015	0.6	0.018	0.7
0.2	0.1	0.02	0.08	0.022	0.9
0.25	0.12	0.025	1.0	0.027	1.1
0.3	0.15	0.03	1.2	0.033	1.3
0.4	0.2	0.04	1.6	0.044	1.8
0.5	0.25	0.05	2.0	0.055	2.2
0.6	0.3	0.06	2.4	0.066	2.6
0.8	0.4	0.08	3.2	0.088	3.5
0.9	0.5	0.10	4.0	0.11	4.4
1.0	0.6	0.12	4.8	0.13	5.2
1.2	0.8	0.15	6.0	0.18	7.2
1.6	1.0	0.20	8.0	0.22	8.8
2.0	1.2	0.25	10.0	0.27	10.8
2.5	1.6	0.3	12.0	0.33	13.2
3.0	2.0	0.4	16.0	0.44	17.6
4.0	2.5	0.5	20.0	0.55	22.0
5.0	3.0	0.6	24.0	0.66	26.0
10.0	6.0	1.2	48.0	1.3	52.0
15.0	10.0	2.5	100.0	2.7	108.0

Comparison values may vary by up to 25% • 1μm=.001 mm=40. μ" or  
1 Micron=.00004" • 1μ"=.0254μm or .001"=.0254mm

\* Same as Rtm is U.S.