



REFLECTIVE ALUMINUM ENCODER SCALES

Material-	1100 Aluminum Alloy
Maximum Size-	300mm Long
Accuracy of Outline to Photo Pattern-	+/-20um
Thickness-	.5mm (+/-0.03mm)
Specular Reflectivity-	> 85% @750nm
Maximum Operating Temperature-	500 C
Low Temperature Resistance-	-45 C
Thermal Expansion-	(10 -6/C) 23.6
Thermal Shock-	No deterioration after 3 cycles between -65 C and 125 C
Moisture resistance-	No deterioration after 10 cycles MIL-STD-202
Tensile Strength-	110
Specific Gravity-	2071

MEETS THE FOLLOWING SPECIFICATIONS

**Mil-Std-130M
Mil-A-8625F
Mil-DTL-15024
Mil-STD-13231**

**BF Goodrich Aerospace Spec SMT0022
Honeywell, Inc A3-J024-M-9501786
SAE Technical Paper 2000-01-2437
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