

## Steel Individual Inch Gauge Block 0.102"

Item number: 614142

### Images



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### CERTIFICATE OF INSPECTION

Instrument: Gauge Block  
Grade: G (G10)

Date of inspection: 18th May, 2006 Unit: in, inch

Block	Ident. No.	Central Deviation	Maximum Deviation	Minimum Deviation	Variation
1	06280	-0.4	+1.2	-0.4	1.6

ENVIRONMENT: Air temperature:  $68 \pm 1.0^\circ\text{F}$  ( $20 \pm 1.0^\circ\text{C}$ )  
 BASE OF REST: 6061-T6 ALUMINUM  
 MATERIAL: Steel  
 INSPECTION METHOD: by comparison  
 COEFFICIENT OF THERMAL EXPANSION:  $61.8 \times 10^{-6} \text{ in/in/}^\circ\text{F}$  ( $11.0 \times 10^{-6} \text{ in/in/}^\circ\text{C}$ )  
 EXTENDED UNCERTAINTY:  $\pm 0.0001 \text{ in}$  (at  $95\%$  confidence level)  
 PER GAUGE DIMENSION:  $\pm 0.0001 \text{ in}$  (at  $95\%$  confidence level)  
 QUALITY SYSTEM: ISO 9001 Registered Firm - 601-9633000  
 TRACEABILITY: Traceable to NIST 800-100000-01 (2000/2005 International and Technical)

Date: 18th May, 2006

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