

Steel Individual Inch Gauge Block 0.129"

Item number: 614169

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: $61.8 \times 10^{-6} \text{ in/in/}^\circ\text{F}$ ($110.8 \times 10^{-6} \text{ in/in/}^\circ\text{C}$)
 EXTENDED UNCERTAINTY: $\pm 0.0001 \text{ in}$ for 0.129 in block (Reference length: 1 inch)
 PER GAUGE SURFACE: $\pm 0.0001 \text{ in}$ ($0.2 \times 1 \text{ in}$, 1.0 in) at each face
 QUALITY SYSTEM: ISO 9001 Registered Firm - ISO 9000
 TRACEABILITY: Traceable to NIST 481/2000A-02 (2000/2001 Institute of Standards and Technology)

Date: 18th May, 2006

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