



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

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CALIBRATION

Valid to: June 8, 2011

Certificate Number: AC-1231

I. Dimensional

Table with 5 columns: PARAMETER / EQUIPMENT, RANGE, BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(+)], REFERENCE STANDARD OR EQUIPMENT, METHOD(S). Rows include Calipers, Micrometers, Indicators and Indicating Gages, Test Indicators, Thread Plugs, Thread Rings, Cylindrical Rings, and Cylindrical Plugs.



| PARAMETER / EQUIPMENT | RANGE | BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(+)] | REFERENCE STANDARD OR EQUIPMENT | METHOD(S) |
|-----------------------|--|---|---|------------------------------|
| Height Gages | Up to 40 in (0.001 in Resolution) | 800 μ in | Gage Blocks and Surface Plate | OEM |
| | Up to 40 in (0.0005 in Resolution) | 800 μ in | | |
| | Up to 40 in (0.0001 in Resolution) | 340 μ in | | |
| | Up to 40 in (0.00001 in Resolution) | 250 μ in | | |
| Height Masters | Up to 12 in (12 to 18) in | 98 μ in 130 μ in | Gage Blocks and Electronic Indicator | NAVAIR 17-20 MD-05 or OEM |
| Micrometer Heads | Up to 2 in | 66 μ in | Gage Blocks and Electronic Indicator | GGG-C-105c |
| Thread Wires | (4 to 120) TPI | 13.3 μ in | ULM with Gage Blocks | ANSI/ASME B1.2 |
| Optical Comparators | Up to 30 in | 120 μ in | Glass Scale | OEM |

Notes:

1. Best Measurement Uncertainties (Expanded Uncertainties) are based on approximately a 95% confidence interval, using a coverage of $k=2$.
2. This laboratory's capabilities include in-laboratory and field (on-site) calibration services. Since field conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field than what is reported on the accredited scope.
3. The use of (L) signifies an expression of Length in inches.
4. The use of (R) signifies Resolution of the unit under test.
5. This scope is part of and must be included with the Certificate of Accreditation No. AC-1231.

Karl Greenway

Vice-President

