

National Institute
of Standards and Technology



National Voluntary
Laboratory Accreditation Program

ISO/IEC 17025:1999
ISO 9002:1994

Scope of Accreditation



Revised 8/25/04

Page 1 of 3

CALIBRATION LABORATORIES

NVLAP LAB CODE 200038-0

WEBBER GAGE DIVISION / L.S. STARRETT CO.

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NVLAP Code: 20/A01 ANSI/NCSL Z540-1-1994; Part 1

Compliant

DIMENSIONAL

NVLAP Code: 20/D03

Gage Blocks

Range	Best Uncertainty (\pm) ^{note 1,2,3}	Remarks
Standard Size Gage Blocks		
thru 1.0 in	1.35 μ in ^{note 6}	Master Grade Calibration
thru 25 mm	0.0335 μ m ^{note 6}	Master Grade Calibration
> 1.0 thru 4.0 in	(0.65 + 0.7L) μ in ^{note 6}	Master Grade Calibration
> 25 thru 100 mm	(0.016 + 0.7L) μ m ^{note 6}	Master Grade Calibration
> 4.0 thru 20.0 in	(3.5 + 0.25L) μ in	Master Grade Calibration
> 100 thru 500 mm	(0.09 + 0.25L) μ m	Master Grade Calibration
thru 4.0 in	(1.4 + 0.6L) μ in ^{note 4}	Commercial Grade Calibration

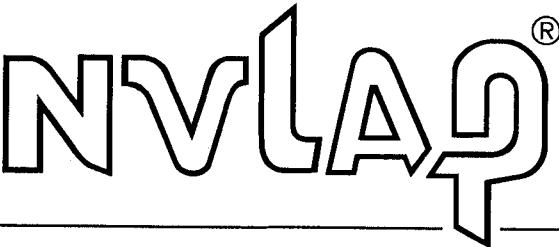
December 31, 2004

Effective through

A handwritten signature in black ink, appearing to read "W. R. Miller".

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Page 2 of 3

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thru 100 mm	$(0.035 + 0.6L) \mu\text{m}$ ^{note 5}	Commercial Grade Calibration
> 4.0 thru 20.0 in	$(6.0 + 0.3L) \mu\text{in}$	Commercial Grade Calibration
> 100 thru 500 mm	$(0.15 + 0.3L) \mu\text{m}$	Commercial Grade Calibration

Non Standard Size Gage Blocks

to 1.0 in	$2.2 \mu\text{in}$	Master Grade Calibration
to 25 mm	$0.055 \mu\text{m}$	Master Grade Calibration
> 1.0 thru 4.6 in	$(1.6 + 0.6L) \mu\text{in}$	Master Grade Calibration
> 25 thru 117 mm	$(0.04 + 0.6L) \mu\text{m}$	Master Grade Calibration
> 4.6 thru 20.0 in	$(6.0 + 0.35L) \mu\text{in}$	Master Grade Calibration
> 117 thru 500 mm	$(0.15 + 0.35L) \mu\text{m}$	Master Grade Calibration

NVLAP Code: 20/D05

Step Gages

Calibration of Webber Style Step Gages

Range	Best Uncertainty (\pm) ^{note 1,2,3}	Remarks
to 85 in	$(10 + 2.0L) \mu\text{in}$	Commercial Grade
to 2150 mm	$(.25 + .002L) \text{ mm}$	Commercial Grade

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Page 3 of 3

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1. Represents an expanded uncertainty using a coverage factor, $k=2$.
 2. Approximate value. Actual value determined by the test statistics.
 3. L is in inches or meters as appropriate.
 4. Uncertainty not less than $2.0 \mu\text{in}$.
 5. Uncertainty not less than $0.05 \mu\text{m}$.
 6. Best uncertainty is for gage blocks of chrome-carbide material. Best uncertainty for materials other than chrome-carbide may be approximately 40% larger.

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