



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Dwight Calibration & Instrument LLC
 10 Stuyvesant Avenue
 Lyndhurst, NJ 07071-0909
 Mrs. Carolyn Howe
 Phone: 201-438-3334 Fax: 201-438-0594
 E-mail: chowe@dwightcalibration.com
 URL: http://www.dwightcalibration.com

CALIBRATION LABORATORIES

NVLAP LAB CODE 200405-0

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

DIMENSIONAL

NVLAP Code: 20/D03
 Gage Blocks

<i>Range in inch</i>	<i>Best Uncertainty (±) in μinch</i> ^{notes 1, 2}	<i>Remarks</i>
> 0 to 4	(3.5 + 2L)	

NVLAP Code: 20/D05
 Length

Micrometers - in lab and field service

<i>Range in inch</i>	<i>Best Uncertainty (±) in μinch</i> ^{notes 1, 2}	<i>Remarks</i>
> 0 to 24	(40 + 2L)	

Dial Indicators - in lab and field service

> 0 to 2	50	
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Optical Comparators - in lab and field service linear measurements

> 0 to 8	150	
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2009-10-01 through 2010-09-30

Effective dates

Sally S. Bruce

For the National Institute of Standards and Technology



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CALIBRATION LABORATORIES

NVLAP LAB CODE 200405-0

Calipers - in lab and field service

> 0 to 36 (85 + 2L)

NVLAP Code: 20/D07
Thread Measuring Wires

Range	Best Uncertainty (\pm) in μinch^{notes 1, 2}	Remarks
Up to 80 pitch	24	Light Wave Micrometer

NVLAP Code: 20/D11
Spherical Diameter - Plain Rings

Range in inch	Best Uncertainty (\pm) in μinch^{notes 1, 2}	Remarks
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> 0 to 8 (50 + 5L)

Plain Plugs

>0 to 2	24	Lightwave
2 to 4	30	Supermicrometer

NVLAP Code: 20/D12
Granite Surface Plates - in lab and field service

Range	Best Uncertainty (\pm) in μinch^{notes 1, 2}	Remarks
Up to 12 ft	50 per ft	Rhan and autocollimator
Up to 12 ft	30 per ft	Leveltronics

NVLAP Code: 20/D14
Threaded Plug Gages - Pitch Diameter

Range in inch	Best Uncertainty (\pm) in μinch^{notes 1, 2}	Remarks
> 0 to 4	100	

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NVLAP LAB CODE 200405-0

Threaded Ring Gages - Functional Diameter

> 0 to 4 100

MECHANICAL

NVLAP Code: 20/M06

Force - Torque Wrenches

<i>Range</i>	<i>Best Uncertainty (±) in % of reading ^{note 1}</i>	<i>Remarks</i>
> 0 in oz to 50 in oz	1.0	Compared to transducers
> 0 in lb to 30 in lb	1.0	Compared to transducers
> 0 in lb to 600 in lb	1.0	Compared to transducers
> 0 ft lb to 250 ft lb	1.0	Compared to transducers

1. Represents an expanded uncertainty using a coverage factor, $k = 2$, at an approximate level of confidence of 95 %.
2. L is in inches.

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