

ISO/IEC 17025:1999  
ISO 9002:1994

## Scope of Accreditation



Revised 10/25/2004

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CALIBRATION LABORATORIES

NVLAP LAB CODE 200405-0

### DWIGHT CALIBRATION & INSTRUMENT LLC

10 Stuyvesant Avenue, P.O. Box 909

Lyndhurst, NJ 07071-0909

Ms. Carolyn Howe

Phone: 1-800-635-2910 Fax: 201-438-0594

E-Mail: [chowe@dwightcalibration.com](mailto:chowe@dwightcalibration.com)

URL: <http://www.dwightcalibration.com>

**NVLAP Code:** 20/A01

ANSI/NCSL Z540-1-1994; Part 1

Compliant

#### DIMENSIONAL

**NVLAP Code:** 20/D03

Gage Blocks

**Range in in**

**Best Uncertainty ( $\pm$ ) in  $\mu$  inches<sup>note 1,2</sup>**

**Remarks**

>0 to 4

(3.5 + 2L)

**NVLAP Code:** 20/D05

Length

Micrometers - in lab and field service

**Range in in**

**Best Uncertainty ( $\pm$ ) in  $\mu$ inch<sup>note 1,2</sup>**

**Remarks**

>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

Calipers - in lab and field service

>0 to 36 (85 + 2L)

**NVLAP Code:** 20/D07  
Thread Measuring Wires

| <i>Range</i>   | <i>Best Uncertainty (<math>\pm</math>) in <math>\mu\text{inch}^{\text{note 1,2}}</math></i> | <i>Remarks</i>        |
|----------------|---|-----------------------|
| Up to 80 pitch | 24  | Light Wave Micrometer |

**NVLAP Code:** 20/D11  
Spherical Diameter - Plain Rings

| <i>Range in in</i> | <i>Best Uncertainty (<math>\pm</math>) in <math>\mu\text{inch}^{\text{note 1,2}}</math></i> | <i>Remarks</i> |
|--------------------|---|----------------|
| >0 to 8            | (50 + 5L)   |                |

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

| <i>Range</i> | <i>Best Uncertainty (<math>\pm</math>) in <math>\mu\text{inch}^{\text{note 1,2}}</math></i> | <i>Remarks</i>          |
|--------------|---|-------------------------|
| Up to 12 ft  | 50 per ft   | "Modified Moody Method" |

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**NVLAP Code:** 20/D14

Threaded Plug Gages - Pitch Diameter

| <i>Range in in</i> | <i>Best Uncertainty (<math>\pm</math>) in <math>\mu\text{inch}^{\text{note 1,2}}</math></i> | <i>Remarks</i> |
|--------------------|---|----------------|
| > 0 to 4           | 100   |                |

Threaded Ring Gages - Functional Diameter

|          |     |  |
|----------|-----|--|
| > 0 to 4 | 100 |  |
|----------|-----|--|

### MECHANICAL

**NVLAP Code:** 20/M06

Force - Torque Wrenches

| <i>Range</i>           | <i>Best Uncertainty (<math>\pm</math>) in % of reading<sup>note 1</sup></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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