



# CERTIFICATE OF ACCREDITATION

## ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

**Tomco Tool Inc.**  
**203 S. Wittenberg Ave.**  
**Springfield, OH 45506**

has been assessed by ANAB and meets the requirements of international standard

## ISO/IEC 17025:2017

while demonstrating technical competence in the field of

## CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1389

Certificate Number



ANAB Approval

Certificate Valid Through: 05/17/2021  
Version No. 009 Issued: 04/04/2019



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Tomco Tool Inc.**  
 203 S. Wittenberg Ave.  
 Springfield, OH 45506  
 Bryan Stewart  
 937-322-5768

**CALIBRATION**

Valid to: **May 17, 2021**

Certificate Number: **AC-1389**

**Length – Dimensional Metrology**

| Parameter/Equipment | Range                           | Expanded Uncertainty of Measurement (+/-) <sup>2</sup> | Reference Standard, Method, and/or Equipment      |
|---------------------|---------------------------------|--|---|
| ID                  | (0.25 to 10) in                 | (9 + 4L) μin   | Gage Blocks<br>ID comparator                      |
| OD                  | (0.125 to 4) in                 | (12 + 3L) μin  | Gage Blocks<br>OD Comparator                      |
| Length/Height       | (0.1 to 10) in<br>(10 to 20) in | (11 + 4L) μin<br>(24 + 4L) μin                         | Gage Blocks,<br>Electronic Indicator              |
| Taper               | Up to 5 in                      | (80 + 17L) μin   | Gage Blocks<br>Sine Plate<br>Electronic Indicator |
| Flatness            | Up to 6 in                      | 11.5 μin   | Optical Flat                                      |
| Roundness           | Up to 0.000 2 in                | 23.2 μin   | Bendix Indi-Ron                                   |
| Parallelism         | Up to 0.000 2 in                | 10.6 μin   | Electronic Indicator<br>Surface Plate             |
| Squareness          | Up to 5 in                      | 223.8 μin  | Steel Cube<br>Electronic Indicator                |
| Surface finish      | Up to 30 Ra                     | 3.2 μin  | Profilometer                                      |
| Straightness        | Up to 0.000 2 in                | 10.6 μin   | Electronic Indicator                              |
| Concentricity       | Up to 0.002 in                  | 49.2 μin   | Electronic Indicator                              |
| Micrometers         | Up to 6 in                      | (32.5 + 9.1L) μin                                      | Gage Blocks                                       |
| Calipers            | Up to 12 in                     | (344 + 7.5L) μin                                       | Gage Blocks                                       |



Length – Dimensional Metrology

| Parameter/Equipment        | Range                   | Expanded Uncertainty of Measurement (+/-) <sup>2</sup> | Reference Standard, Method, and/or Equipment |
|----------------------------|-------------------------|--|--|
| Thread Gages               | Up to 1 in              | 100 μin  | Thread Wires<br>Gage Blocks<br>OD Comparator |
| Indicators<br>Dial/Digital | Up to 1 in<br>1 to 4 in | 37 μin<br>47 μin                                       | Gage Blocks                                  |

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ( $k=2$ ), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2.  $L$  = Length in inches.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1389.



Vice President

