



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

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 17025:2005

while demonstrating technical competence in the field of

CALIBRATION

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

AC-1389

Certificate Number


ANAB Approval

Certificate Valid: 06/13/2017-05/17/2019
Version No. 008 Issued: 06/13/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

Tomco Tool Inc.

203 S. Wittenberg Ave., Springfield, OH 45506
Bryan Stewart Phone: 937-322-5768

CALIBRATION

Valid to: **May 17, 2019**

Certificate Number: **AC-1389**

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
ID	(0.250 to 10) in	(9 + 4L) μin	Gage blocks ID comparator
OD	(0.125 to 4) in	(12 + 3L) μin	Gage blocks OD Comparator
Length/Height	(0.1 to 10) in (10 to 20) in	(11 + 4L) μin (24 + 4L) μin	Gage blocks, Electronic Indicator
Taper	Up to 5 in	(80 + 17L) μin	Gage blocks Sine plate 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 Surface Plate
Squareness	Up to 5 in	223.8 μin	Steel Cube 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
Thread Gages	Up to 1 in	100 μin	Thread wires Gage blocks OD Comparator

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Indicators Dial/Digital	Up to 1 in 1 to 4 in	37 μin 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.

