



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

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

This is to certify that

R.J.S. Tool and Gage, Inc.
1081 South Eton
Birmingham, MI 48009

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

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

CALIBRATION

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

L1068-1

Certificate Number



ANAB Approval

Certificate Valid: 01/10/2018-04/06/2019
Version No. 001 Issued: 01/10/2018



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

R.J.S. Tool and Gage, Inc.

1081 South Eton
Birmingham, MI 48009
Brian Carlson
248-642-8620

CALIBRATION

Valid to: **April 6, 2019**

Certificate Number: **L1068-1**

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method and/or Equipment
Rings	(0.225 to 12) in	(9 + 15D) μin	Comparison made with Sheffield Hole Checker
Pins / Plugs	(0.03 to 12) in	(16 + 14D) μin	Comparison made with Mikrokator
Inside Diameter	(0.225 to 12) in	(9 + 15D) μin	Comparison made with Sheffield Hole Checker
Outside Diameter	(0.03 to 12) in	(16 + 14D) μin	Comparison made with Mikrokator
Angle	0° to 45°	0.002°	Comparison made with Sine Plate, Gage Blocks, and Indicator
Attribute Gages (Length)	(0 to 12) in	(83 + 10L) μin	Comparison made with Surface Plate and Gage Blocks
Thread Plug Gages Pitch Diameter	(0.23 to 0.44) in	(43 + 8D) μin	Comparison made with Mikrokator and Thread Wires
Major Diameter	(0.12 to 0.63) in	(16 + 14D) μin	Comparison made with Mikrokator

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; D = Length in Diameter.

3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1068-1.



Vice President

