

CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

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 field of

CALIBRATION

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

<u>L1068-1</u> Certificate Number



Certificate Valid Through: 04/06/2021 Version No. 002 Issued: 01/18/2019





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, 2021 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 + 15 <i>D</i>) μin	Comparison made with Sheffield Hole Checker
Pins / Plugs	(0.03 to 12) in	(16 + 14 <i>D</i>) μin	Comparison made with Mikrokator
Inside Diameter	(0.225 to 12) in	(9 + 15 <i>D</i>) μin	Comparison made with Sheffield Hole Checker
Outside Diameter	(0.03 to 12) in	(16 + 14 <i>D</i>) 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 + 10 <i>L</i>) μin	Comparison made with Surface Plate and Gage Blocks
Thread Plug Gages Pitch Diameter	(0.23 to 0.44) in	(43 + 8 <i>D</i>) 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:

- 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.

Version 002 Issued: January 18, 2019

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



