



A.A. Jansson, Inc.

Precision Measuring Service and Equipment
2070 Airport Road • Waterford, MI 48327-1204
Ph. (248) 674-4811 • Fax (248) 674-1234
Internet: www.aajansson.com



Calibration Cert. # 1182.01

Certificate of Calibration

Certificate #: 035254-1 **Page 1 of 1**

Customer:

STARRAGHECKERT INC.
SKYPORT BUSINESS PARK
2379 PROGRESS DRIVE

HEBRON, KY 41048
PO#:

13-40031

Calibration Date: 04/17/2013
Calibration Due: 04/17/2014

ST104-B

Serial #:

Etched #:

ID #:

Charted

Tolerance:

Condition:

Used

| Manufacturer: | Webber | Style: | Square | Material: | ST | Set Size: | 5 | Unit of Measure: | Metric | Nominal | Dev(µm) | Vil(µm) | Serial # | Mat'l Notation | Nominal | Dev(µm) | Vil(µm) | Serial # | Mat'l Notation | Nominal | Dev(µm) | Vil(µm) | Serial # | Mat'l Notation |
|---------------|--------|--------|--------|-----------|----|-----------|---|------------------|--------|---------|---------|---------|----------|----------------|---------|---------|---------|----------|----------------|---------|---------|---------|----------|----------------|
| 50.00000 | -0.12 | 0.05 | | | | | | | | | | | | | | | | | | | | | | |
| 100.00000 | +0.52 | 0.05 | | | | | | | | | | | | | | | | | | | | | | |
| 150.00000 | -0.02 | 0.26 | | | | | | | | | | | | | | | | | | | | | | |
| 200.00000 | -0.27 | 0.54 | | | | | | | | | | | | | | | | | | | | | | |
| 250.00000 | +0.05 | 0.32 | | | | | | | | | | | | | | | | | | | | | | |

Deviations are "AS FOUND" unless otherwise noted. Reference "Gage Block Certification Appendix".

- * - Out of Tolerance - Blocks so marked do not meet applicable grade or user specified tolerances.

- X - Calibration performed by approved accredited subcontractor.

- XX - Beyond instrument measuring limits either due to excessive wear or surface condition.

Measurement Uncertainty: <2.5 mm: $(0.0889 + 0.01L) \mu\text{m}$; 2.5 - 100 mm: $(0.1778 + 0.8L) \mu\text{m}$; (L = length in meters)
Best uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

Reported readings corrected to 20 degrees Celsius (68 degrees Fahrenheit). Relative humidity less than 50%.

Calibration performed in accordance with ISO/IEC 17025, ANSI/NCSL Z540, ISO 10012, and AAJ CP-4.0. No allowance for Measurement Uncertainty.

A. A. Jansson certifies these gages were checked against masters calibrated by the National Institute of Standards and Technology (NIST).

Technician: MO Calibration Instrument: EC6, ECL Electronic comparator Calibrated Daily.

Calibration Master: 6 & 15 Calibrated: 09/20/2012 Next Calibration Due: 09/20/2013 NIST Test #: 821/279484-10 Test Date: 04/30/201C

Calibration Master: LAB-1 Calibrated: 10/24/2012 Next Calibration Due: 10/24/2013 NIST Test #: 821/279484-10 Test Date: 01/14/2012

Any number of factors may cause the subject of this calibration to drift out of calibration before the recommended interval has expired. A. A. Jansson will not be held responsible for the calibration status of an item whose calibration interval exceeds the actual validity of the calibration. This certificate may not be copied except in full without the written permission of A. A. Jansson, Inc. Calibration performed in accordance with the A.A. Jansson, Inc. Quality Assurance Manual: Revision 8, Dated April 15, 2010, which meets the requirements of ISO-17025:2005

A. Jansson

Authorized Signator



A.A. Jansson, Inc.

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Calibration Cert. # 1182.01

Manufacturer:

Webber

Square

ST

5

Metric

Style:

Material:

Set Size:

Unit of Measure:

Nominal

Dev(µm)

Vil(µm)

Serial #

Mat'l Notation

Condition:

Mat'l

Notation

Nominal

Dev(µm)

Vil(µm)

Serial #

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Since 1961

ACCREDITED

Calibration Cert. # 1182.01

Serial #:

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ID #:

Tolerance:

Condition:

Charted
Used

ST104-B

HEBRON, KY 41048

PO#: 15-40020

SKYPORT BUSINESS PARK

2379 PROGRESS DRIVE

STARRAGHECKERT INC.

Customer:

Certificate #:

042965

Page 1 of 1

Calibration Date: 04/20/2015

Calibration Due: 04/20/2016

Manufacturer:

Webber

Style:

Square

Material:

ST

Set Size:

5

Unit of Measure:

Metric

Nominal Dev(µm) ViL(µm) Serial # Mat'l Notation Nominal Dev(µm) ViL(µm) Serial # Mat'l Notation Nominal Dev(µm) ViL(µm) Serial # Mat'l Notation

50.00000 -0.14 0.09

100.00000 +0.62 0.06

150.00000 -0.01 0.18

200.00000 +0.21 0.52

250.00000 -0.14 0.28

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