

Certification of Inspection

Serial # 699

Straight Edge Size - 72" x 3" x 1 1/2

Print # SE 72X3X05

(check one) New or Re-Certification { Prior to rework the unit as received had _____ inch total Deviation which is _____ inch out of tolerance.

Specifications: The straight edge maximum acceptable flatness and straightness deviation is 0.001 inch for a 72 inch length. For units purchased with the (optional) two qualified edges, the maximum acceptable deviation for parallelism is N/A inch variation for a N/A inch length.

Procedures: The unit was inspected using the following method (Check One):

- Fully supported on the surface plate and resting on the qualified edge, with the amount of gap is measured between the two surfaces using a feeler gauge.
- Supported on two points that are located 2/9ths (22.2%) of the overall length from both ends and checked with a dial indicator.
- Supported as a fence on the broad side with the qualified edge vertical and checked with a dial indicator.

Parallelism (for units purchased with an optional two certified edges) was checked using indicators. Other dimensions were checked using a micrometer or scale as appropriate for the tolerance indicated on the print.

Certification: The straight edge was compared to a NIST calibrated surface plate #SP-1001 located at: 991 West Leffel Lane, Springfield, OH. The calibration for the surface plate was performed by: DOX Calibration Service on 10/2/12 with certificate # 1887 01 per Federal Specification GGCP-463c for grade AA. It was calibrated using: Autocollimator with an NIST reference # 289300 that also complies with their ISO / IEC 17025, ANSI/NCSL-Z540-1, ISO-9002, ISO-10012-1 program specifications. This next calibration for this surface plate is due on 9/30/13

Measurements: This straight edge is certified to meet the following specifications:

Maximum flatness and straightness deviation as measured for this unit is: 0.0004 inch

Side A - Shape is: (check one) Concave Convex Complex Curve

(optional) Side B - Shape is: (check one) Concave Convex Complex Curve

(optional) Maximum Parallel deviation as measured for this unit is: _____ inch

The temperature of the inspection room was: 72 ° F

This straight edge unit has: (check one) Passed or Failed inspection.

Inspected by:  Date 5/10/13
(Signature of Inspector)

Under normal circumstances, an inspection and re-calibration for this straight edge is recommended **2 years from date shown above**. The unit should be stored in the supplied protective cover, with the edges oiled, in a dry area. If damage to the unit's edge(s) is suspected, then inspection before this date may be required.

