SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid To: November 30, 2019 Certificate Number: 1296.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following dimensional testing services:

I. Dimensional Testing[1]

Parameter	Range	CMC[2, 3] (±)	Technique / Method
Angle[4] – Metal or Plastic	(0 to 360)°	0.3°/*A*	CMM & video CMM
Radius[4] – Metal or Plastic	(0.5 to 13) mm (0.01 to 0.5) in	0.3 mm 0.012 in	Radius gages
Inner Diameter[4] – Metal or Plastic	(0.7 to 14) mm	0.02 mm	Pin gages X tolerance

Parameter	Range	CMC[2, 3] (±)	Technique / Method
Length[4] – Metal	Up to 36 in	(200 + 8.5*L*) µin	CMM
	Up to 16 in	(280 + 7*L*) µin	Video CMM
	Up to 8 in	(500 + 25*L*) µin	Calipers
	Up to 2 in	(100 + 25*L*) µin	Micrometers
	Up to 4 in	(500 + 25*L*) µin	Dial indicators
	Up to 10 in	(620 + 14*L*) µin	Optical comparator
	(0.7 to 14) mm	0.02 mm	Pin gages X tolerance
Length[4] – Plastic	Up to 36 in	(140 + 140*L*) µin	CMM
	Up to 16 in	(260 + 250*L*) µin	Video CMM
	Up to 8 in	(500 + 150*L*) µin	Calipers
	Up to 2 in	(100 + 150*L*) µin	Micrometers
	Up to 4 in	(500 + 150*L*) µin	Dial indicators
	Up to 10 in	(470 + 210*L*) µin	Optical comparator
	(0.7 to 14) mm	0.02 mm	Pin gages X tolerance

[1] This laboratory offers commercial dimensional testing service only.

[2] Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine measurements of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific measurement performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific measurement.

[3] In the statement of CMC, *L* represents the numerical value of the nominal length of the device measured in inches and *A* represents the numerical value of the length of the shortest leg that defines the angle in inches.

[4] This test is not equivalent to that of a calibration.