

Scope of Accreditation For Michigan Spline Gage Company

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Michigan Spline Gage Company** to perform the following Calibrations:

Accreditation granted through: **March 3, 2013**

Calibration

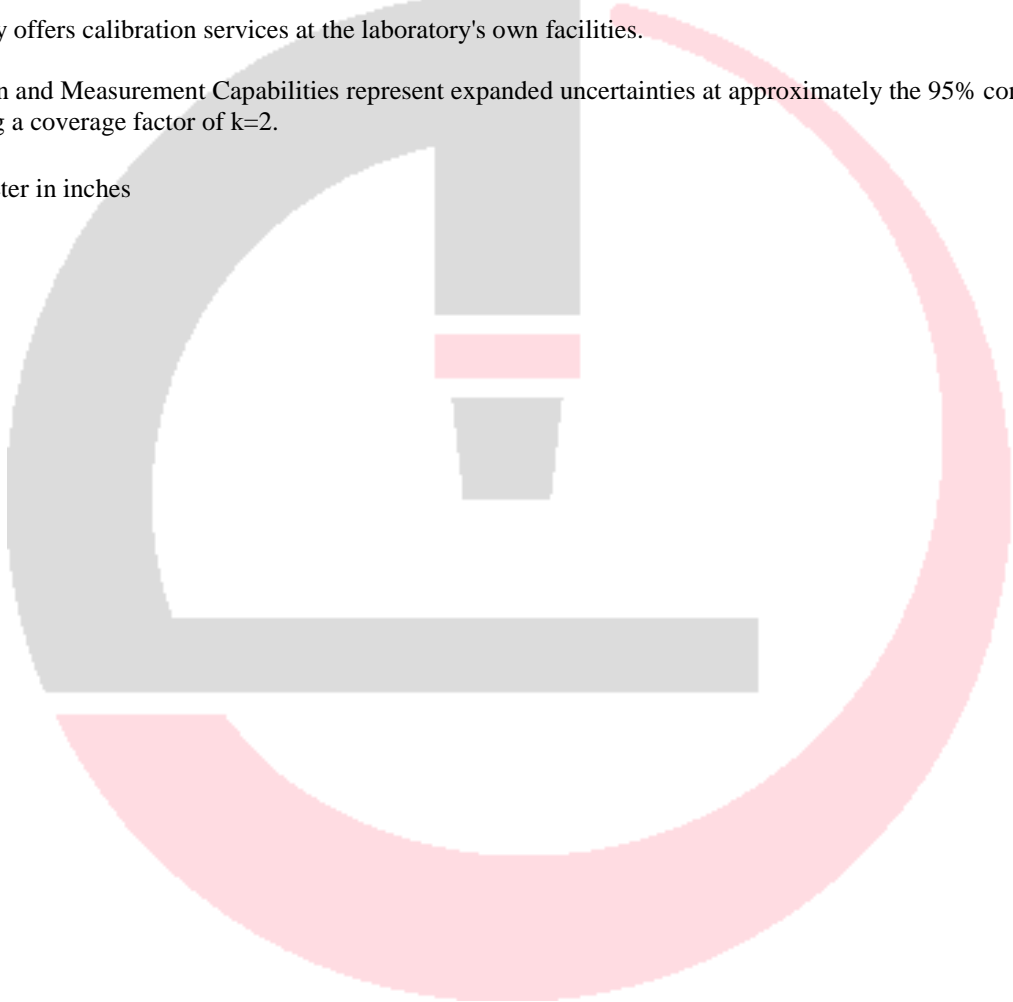
Length - Dimensional Metrology – Other


Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Measurement Over Wires ³	(0.188 to 3) in	(69.5 + 1.5D) μin	Sheffield Visual Comparator, Trimos TULM 210, Master Gage Blocks, Gear Measuring Wires
	(3 to 5) in	(59 + 5D) μin	
	(5 to 8) in	(72 + 5.5D) μin	
Major Diameter ³	(0.188 to 3) in	(41.5 + 3.5D) μin	Sheffield Visual Comparator, Trimos TULM 210, Master Gage Blocks
	(3 to 5) in	(37 + 5D) μin	
	(5 to 8) in	(52 + 6D) μin	
Minor Diameter ³	Up to 1 in	52 μin	Master Plug Trimos TULM 210
Minor Diameter ³	(1 to 3) in	(44 + 3D) μin	
	(3 to 6) in	(33 + 6D) μin	
Measurement Between Wires ³	(6 to 8) in	(33 + 6D) μin	Master Gage Blocks, Gear Measuring Wires
	(0.188 to 3) in	(84.3 + 0.9D) μin	
	(3 to 6) in	(28 + 16D) μin	
Involute Profile	(6 to 8) in	(112.2 + 2D) μin	Fellows Involute Checker
	(0.188 to 8) in	99 μin	
Involute Profile	(0.188 to 8) in	78 μin	Gear Analyzer
	Index	(0.188 to 8) in	65 μin
Lead	(0.188 to 8) in	66 μin	Gear Analyzer
Runout	(0.188 to 8) in	62μin	Gear Analyzer

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Concentricity (Internal Splines)	(0.188 to 8) in	68 μin	Test Indicator
Concentricity (External Splines)	(0.188 to 8) in	81 μin	Test Indicator

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities.
- 2) Calibration and Measurement Capabilities represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of k=2.
- 3) *D*= Diameter in inches



Approved by:  Date: February 23, 2010

R. Douglas Leonard
Chief Technical Officer

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