



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board/AClass
500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Angle Calibration

40 South Lane

Troy, Ohio 45373

has been assessed by AClass
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the field(s) of

CALIBRATION

Refer to the accompanying Scope(s) of Accreditation for information regarding the types of calibrations to which this accreditation applies.

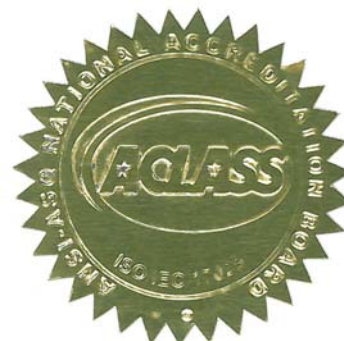
AC-1170

Certificate Number

AClass Approval

Certificate Valid 05/20/2009-05/23/2011

Version No. 001



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Angle Calibration

40 South Lane, Troy, OH 45373
 Carl Angle/Amy Fields Phone: 937-335-6520

CALIBRATION

Valid to: May 23, 2011

Certificate Number: AC-1170

I. Dimensional

PARAMETER / EQUIPMENT	RANGE	BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(+)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Gage Blocks	Up to 4 in (4 to 12) in (12 to 20) in	9.2 µin 27 µin 43 µin	Dual Head Comparator ULM Horizontal Metroscope (Retrofitted)	OEM Manuals plus AC-1 AC-11 AC-38
Plug Gages*	Up to 4 in (4 to 12) in (12 to 20) in	9 µin 27 µin 43 µin	ULM Horizontal Metroscope (Retrofitted)	AC-11
Thread Wires	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)	AC-18
Pin Gage Sets*	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)	AC-11
Length Standards*	Up to 4 in (4 to 12) in (12 to 20) in	9 µin 27 µin 43 µin	ULM Horizontal Metroscope (Retrofitted)	AC-42
Plain Cylindrical Ring Gages Internal Diameter*	(0.36 to 5) in (5 to 16) in	13.3 µin 35 µin	ULM Horizontal Metroscope	AC-28
Feeler Gage*	Up to 4 in	9 µin	ULM Horizontal Metroscope (Retrofitted)	AC-42
Micrometers* I.D. Mics, O.D. Mics	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks	AC-5 AC-9
Depth Micrometers*	Up to 12 in (12 to 24) in	64.3 µin 748 µin	Gage Blocks	AC-6



PARAMETER / EQUIPMENT	RANGE	BEST MEASUREMENT CAPABILITY [EXPRESSED AS UNCERTAINTY(+)]	REFERENCE STANDARD OR EQUIPMENT	METHOD(S)
Indicator Tester*	Up to 4 in	64.3 μin	Gage Blocks	AC-8
TriMics*	Up to 12 in	64.3 μin	Gage Blocks	AC-25
Dial Bore Gage Tester*	Up to 12 in (12 to 24) in	64.3 μin 748 μin	Gage Blocks	AC-30
Groove Gage*	Up to 12 in	64.3 μ in	Gage Blocks	AC-27
Calipers* Dial Digital Vernier	Up to 12 in (12 to 40) in	OD = 309 μin ID = 331 μin OD = 583 μin I.D = 583 μin	Gage Blocks	AC-7
Height Gages*	Up to 12 in (12 to 40) in	309 μin 583 μin	Gage Blocks	AC-3
Steel Rule* Tape Rule*	Up to 12 in (12 to 40) in	309 μin 583 μin	Gage Blocks	AC-22 AC-23
Indicators*	Travel type – up to 4 in Lever type – up to 1 in	113 μin	Indicator Tester	AC-4
Thread Plug Gages*	Up to 4 in Diameter	91 μin	ULM Horizontal Metroscope (Retrofitted)	AC-15
Thread Ring Gage*	Up to 4 in Internal diameter	91μin	Thread Set Plug Gage	AC-33
Surface Plate* Flatness	Width: (12 to 50) in Length: (12 to 72) in	426 μin	Planekator	AC-10

Notes:

1. *Best Measurement Uncertainties (Expanded Uncertainty) are based on approximately a 95% confidence interval, using a coverage of $k=2$*
2. *Commercial calibrations are available for all items.*
3. *On-site calibration service is available for the (*) asterisk items. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.*
4. *This scope is part of and must be included with the Certificate of Accreditation No. AC-1170*



Vice-President

