

Dimensional Testing:

<u>Parameter</u>	<u>Range</u>	CMC* ( $\pm$ )	<u>Technique</u>	Standards
Threads				
Pitch	(0 to $\frac{5}{8}$ ) in	N/A	Go/No Go Ring Gages	ASME/ANSI B1.3M
Pitch	(0 to $\frac{5}{8}$ ) in	N/A	Go/No Go Plug Gages	ASME/ANSI B1.3M
Linear	(0 to 1) in	0.0004 in	Micrometers	MIL-STD 120
	(0 to 6) in	0.003 in	Calipers	MIL-STD 120
Angle	(0 to 180)'	10'	Optical Comparator (5X)	MIL-STD 120
Radii	(0 to 2 $\frac{3}{4}$ ) in	0.007 in	Optical Comparator (5X)	MIL-STD 120
Linear	(0 to 2 $\frac{3}{4}$ ) in	0.002 in	Optical Comparator (5X)	MIL-STD 120

\*Calibration and Measurement Capability (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. Calibration and Measurement Capabilities 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.

