

## CALIBRATION CERTIFICATE

**Customer** : 0155600  
**Identification number** : 128038016  
**Gauge application** : Incoming inspection  
**Standard of thread** : Unified threads acc. to ANSI/ASME B1.1-1989(R2001), B1.2  
**Type of gauge** : GO thread ring gauge (solid)  
**Thread designation** : 5/16 - 24 UNF -2A  
**Pitch** : 1,0580 mm  
**Measuring method** : Measure with IAC Master Scanner  
**Measurement traceability** : IAC MSXP 100x25 Nr.551  
**Measurement traceability** : Set of setting rings ID 01-04150

**Gauge nominal values**

Major diameter min. : 7,9096 mm  
Pitch diameter max. : 7,2212 mm  
Pitch diameter min. : 7,2136 mm  
Minor diameter max. : 6,7640 mm  
Minor diameter min. : 6,7513 mm

**Measuring values Pitch diameter**

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	7,2160	-

**Valuation: usable**

Operator:  Date: 18.10.2019  
(Ammann)

**Uncertainty of measurement:**  $U = 2.5 \mu\text{m} + 10 \cdot 10^{-6} \cdot d$ . The uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k = 2$ . They were established according to DAkkS-DKD-3. The value of the measured variable is within the assigned value range with 95 % probability.

**Ref.temp:**  $(20 \pm 1) ^\circ\text{C}$ . **Inspection requirement:** The inspections procedure was based on recognised German inspection specifications (VDI/VDE/DGQ/2618). The measuring equipment and standards used are compared regularly with reference standards calibrated by a calibration service accredited by the European Cooperation for Accreditation (EA) and therefore traceable to the national standards of the PTB. Hence the inspection certificate complies with the traceability requirements of DIN EN ISO 9001.