

## CALIBRATION CERTIFICATE

Customer : 0155600  
Identification number : 122134012  
Gauge application : Incoming inspection  
Standard of thread : Unified threads acc. to ANSI/ASME B1.1-1989(R2001), B1.2  
Type of gauge : NO 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 : Gauge block set ID 3997 57308 D-K-15190-01-00 2015-06

**Gauge nominal values**

Major diameter min. : 7,9096 mm  
Pitch diameter max. : 7,1349 mm  
Pitch diameter min. : 7,1272 mm  
Minor diameter max. : 6,9113 mm  
Minor diameter min. : 6,8986 mm

**Measuring values Pitch diameter**

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	7,1296	-

**Valuation: usable**

Operator:   
(Buckenmayer)

Date: 22.03.2019

**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 ± 1) °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.