

## CALIBRATION CERTIFICATE

Customer : 0155600  
 Identification number : 105345013  
 Gauge application : Incoming inspection  
 Standard of thread : Pipe threads acc. to ANSI/ASME B1.20.1-2013 (NPT)  
 Type of gauge : Taper full form thread ring gauge  
 Thread designation : 1 1/4 - 11 1/2 NPT  
 Pitch : 2,2088 mm  
 Measuring method : Measure with IAC Master Scanner  
 Measurement traceability :

### Gauge nominal values

Major diameter min. : 41,9275 mm  
 Pitch diameter max. : 40,2255 mm  
 Pitch diameter min. : 40,2102 mm  
 Minor diameter max. : 38,7723 mm  
 Minor diameter min. : 38,7469 mm  
 Length L1 : 10,6680 mm  
 Gauge plane : 0,0000 mm

### Measuring values Pitch diameter

Gauge plane IAC [mm]	Axial section	PitchØ [mm]	Out of tolerance [mm]
0,0000	0° Degree	40,2249	-

Valuation: usable

Operator:

  
(Sahan)

Date: 09.01.2019

**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:**  $(20 \pm 1) ^\circ\text{C}$ .  
**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.