

CALIBRATION CERTIFICATE

Customer : 0155600
 Identification number : 109444041
 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 - 11 1/2 NPT
 Pitch : 2,2088 mm
 Measuring method : Measure with IAC Master Scanner
 Measurement traceability :

Gauge nominal values

Major diameter min. : 33,1709 mm
 Pitch diameter max. : 31,4688 mm
 Pitch diameter min. : 31,4536 mm
 Minor diameter max. : 30,0157 mm
 Minor diameter min. : 29,9903 mm
 Length L1 : 10,1600 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	31,4571	-

Valuation: usable

Operator: *JA* Date: 14.06.2018
 (Buckenmayer)

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.