

CALIBRATION CERTIFICATE

(Inspection certificate 3.1 e.g. EN 10204)

Customer : 0155600
Identification number : 79399007
Gauge application : Incoming inspection
Standard of thread : Unified threads acc. to ANSI/ASME B1.1-1989(R2001)/B1.2
Type of gauge : solid GO thread ring gauge
Thread designation: : 3/8 -16 UNC -3A
Pitch: : 1,5880 mm
Measuring method: : Measure with IAC Master Scanner

Gauge nominal values

External diameter min. value : 9,5250 mm
Effective diameter - min. value : 8,4861 mm
Effective diameter - max. value : 8,4938 mm
Minor diameter - min. value : 7,7911 mm
Minor diameter - max. value : 7,8064 mm

Measuring values of Effective diameter

Meas. plane No.	Meas. valueNo.	Effective diameter [mm]	Out of tolerance [μ m]
1	1	8,4888	-

Valuation: usableOperator: 
(Lehmann)

Inspection date: 03.09.2015

measuring accuracy: $U_{95} = 2.5 \mu\text{m} + 1.4 \cdot 10^{-6} \cdot l$; **Ref.temp.** [deg C°]: 20; **Measuring machine:** MAHR 828 Nr.19372; MAHR 828 Nr. 38013; Zeiss ULM 01-600C Nr.6908; IAC Master Scanner XP 10025 Nr.103374-1; IAC Master Scanner XP 16060 Nr.103374-2; **reference standard:** Setting ring gauge Ø20 640-DKD-K-14201-10-12; Parallel gauge block: 10mm 25994-DKD-K-17301-2010-12. **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 Co-operation 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, section 7.6.
*Physikalisch Technische Bundesanstalt (Federal Physical and Technical Institute)