



CALIBRATION CERTIFICATE

Customer : 0155600
Identification number : 128624
Gauge application : Incoming inspection
Standard of thread : Thread gauges according to factory standards
Type of gauge : solid GO thread ring gauge
Thread designation: : 3/8 -20 UN -2A
Pitch: : 1,2700 mm
Measuring method: : Measure with IAC Master Scanner

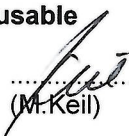
Gauge nominal values

External diameter min. value : 9,4945 mm
 Effective diameter - min. value : 8,6614 mm
 Effective diameter - max. value : 8,6690 mm
 Minor diameter - min. value : 8,1064 mm
 Minor diameter - max. value : 8,1191 mm

Measuring values of Effective diameter

Meas. plane No.	Meas. valueNo.	Effective diameter [mm]	Out of tolerance [µm]
1	1	8,6675	-

Valuation: usable

Operator: 
(M. Keil)

Inspection date: 25.11.2013

measuring accuracy: $U95 = 2.5 \mu\text{m} + 1.4 \cdot 10^{-6} \cdot l$; **Ref.temp.** [deg C°]: 20; **Measuring machine:** MAHR 828 Nr.19372; MAHR 828 Nr. 38013; Zeiss ULM 01-600C Nr.6908; IAC Master Scanner MSXP 6025 Nr.101064; IAC Master Scanner MSXP 10060 Nr.100971; **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 9000:2008,section 7.6. *Physikalisch Technische Bundesanstalt (Federal Physical and Technical Institute)

