



CALIBRATION CERTIFICATE

Customer : 0155600
Identification number : 51629001
Gauge application : Incoming inspection
Standard of thread : ISO metric threads acc. to DIN ISO 965:1998
Type of gauge : solid NO GO thread ring gauge
Thread designation: : M 36x1-6g LH
Pitch: : 1,0000 mm
Measuring method: : Measure with IAC Master Scanner

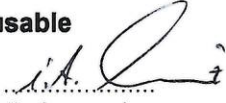
Gauge nominal values

External diameter min. value : 35,9830 mm
 Effective diameter - min. value : 35,1850 mm
 Effective diameter - max. value : 35,1990 mm
 Minor diameter - min. value : 34,9780 mm
 Minor diameter - max. value : 35,0060 mm

Measuring values of Effective diameter

Meas. plane No.	Meas. valueNo.	Effective diameter [mm]	Out of tolerance [μm]
1	1	35,1903	-

Valuation: usable

Operator: 
 (Lehmann) Inspection date: 03.11.2016

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 MSXP 6025 Nr.101064; IAC Master Scanner MSXP 10060 Nr.100971; **reference standard:** Setting ring gauge $\varnothing 20$ 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 9000:2000, section 7.6. *Physikalisch Technische Bundesanstalt (Federal Physical and Technical Institute)