

**CALIBRATION CERTIFICATE**

(Inspection certificate 3.1 e.g. EN 10204)

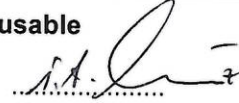
**Customer** : 0155600  
**Identification number** : 83952003  
**Gauge application** : Incoming inspection  
**Standard of thread** : ISO metric threads acc. to DIN ISO 1502 (DIN 13)  
**Type of gauge** : solid NO GO thread ring gauge  
**Thread designation:** : M 35x1-6g LH  
**Pitch:** : 1,0000 mm  
**Measuring method:** : Measure with IAC Master Scanner

**Gauge nominal values**

External diameter min. value : 34,9830 mm  
Effective diameter - min. value : 34,1850 mm  
Effective diameter - max. value : 34,1990 mm  
Minor diameter - min. value : 33,9780 mm  
Minor diameter - max. value : 34,0060 mm

**Measuring values of Effective diameter**

Meas. plane No.	Meas. valueNo.	Effective diameter [mm]	Out of tolerance [ $\mu\text{m}$ ]
1	1	34,1894	-

**Valuation: usable**Operator:   
(Stark)

Inspection date: 26.10.2016

**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 XP 10025 Nr.103374-1; IAC Master Scanner XP 16060 Nr.103374-2; **reference standard:** Setting ring gauge  $\varnothing 20$  DAkS-D-K-15089-01-01\_2016-04; Parallel gauge block set:DKD-K-15190-00-2015-06; **Inspection requirement:** The inspections procedure was based on recognised German inspection specifications (VDI/VDE/DGQ/2818). 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)