



## CALIBRATION CERTIFICATE

(Inspection certificate 3.1 e.g. EN 10204)

**Customer** : 0155600  
**Identification number** : 78313001  
**Gauge application** : Incoming inspection  
**Standard of thread** : ISO metric threads acc. to DIN ISO 1502 (DIN 13)  
**Type of gauge** : solid GO thread ring gauge  
**Thread designation:** : M 11x0.5-6g LH  
**Pitch:** : 0,5000 mm  
**Measuring method:** : "Three balls" method (using T-probe)  
**Used ball diameter:** : 0,2921 mm  
**Constant of T-shaped probe** : 1,7794 mm

### Gauge nominal values

**External diameter min. value** : 11,0250 mm  
**Effective diameter - min. value** : 10,6460 mm  
**Effective diameter - max. value** : 10,6600 mm  
**Minor diameter - min. value** : 10,4320 mm  
**Minor diameter - max. value** : 10,4460 mm

### Measuring values of Effective diameter

Meas. plane No.	Meas. valueNo.	Effective diameter [mm]	Out of tolerance [µm]
1	1	10,6470	-

**Valuation: usable**

Operator:  .....  
 (Salvaggio) Inspection date: 08.07.2015

**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)