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## CALIBRATION CERTIFICATE

Customer : 0155600  
 Identification number : 17029002  
 Gauge application : Incoming inspection  
 Standard of thread : Metrical threads according DIN ISO 1502 (DIN 13)  
 Type of gauge : solid NO GO thread ring gauge  
 Thread designation: : M 27x1.5-6g LH  
 Pitch: : 1,5000 mm  
 Measuring method: : IAC Master Scanner


### Gauge nominal values

External diameter min. value : 26,9790 mm  
 Effective diameter - min. value : 25,8260 mm  
 Effective diameter - max. value : 25,8440 mm  
 Minor diameter - min. value : 25,5170 mm  
 Minor diameter - max. value : 25,5530 mm

### Measuring values of Effective diameter

Meas. plane No.	Meas. value No.	Effective diameter [mm]	Out of tolerance [µm]
1	1	25,8362	-

### Valuation: in tolerance

Operator:   
 (Liebchen)

Inspection date: 08.10.2008

**measuring accuracy:** U95 = 2.5 µm; **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 342-DKD-K-14201-05-07; Parallel gauge block: 10mm 5328-DKD-K-17301-2005-07; **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)

