



## CALIBRATION CERTIFICATE

Customer : 0155600  
 Identification number : 04977020  
 Gauge application : Incoming inspection  
 Standard of thread : Metrical threads according DIN ISO 1502 (DIN 13)  
 Type of gauge : GO / NO GO thread plug gauge  
 Thread designation: : M 0.8x0.2-4H  
 Pitch: : 0,2000 mm  
 Measuring method: : Three wires method  
 Used wire diameter: : 0,1148 mm  
 Measuring force: : 4,1 N

Gauge nominal values	GO side	NO GO side
External diameter - max. value	: 0,8060 mm	0,7590 mm
External diameter - min. value	: 0,7940 mm	0,7470 mm
Effective diameter - max. value	: 0,6730 mm	0,7160 mm
Effective diameter - min. value	: 0,6670 mm	0,7100 mm
Minor diameter - max. value	: 0,5540 mm	0,5540 mm

### Measuring values of Effective diameter - GO side

Meas. plane No.	Meas. value No.	Effective diameter [mm]	Out of tolerance [ $\mu$ m]
1	1	0,6679	-

### Measuring values of Effective diameter - NO GO side

Measuring plane No.	Meas. value No.	Effective diameter [Einheit]	Out of tolerance [ $\mu$ m]
1	1	0,7116	-

### Valuation: in tolerance

Operator:   
(Gjigjani)

Inspection date: 03.07.2008

**measuring accuracy:** U95 = 2.5  $\mu$ m; **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  $\varnothing$ 20 342-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)

