



**C A L I B R A T I O N   C E R T I F I C A T E**

Customer : 0155600  
 Identification number : 105513  
 Gauge application : Incoming inspection  
 Standard of thread : Metrical threads according ISO 1502 (DIN 13)  
 Type of gauge : solid GO screw ring  
 Thread designation : M 2.3x0.4-6h  
 Pitch : 0,4000 mm  
 Method of measuring : Three-ball-method  
 Used ball diameter : 0,2192 mm  
 Constant T-shaped probe : 1,2724 mm

**Gauge nominal values:**

Major diameter-minimum value : 2,33590 mm  
 Effective diameter (min) : 2,03700 mm  
 Effective diameter (max) : 2,04700 mm  
 Effective diameter-wear limit: 2,05400 mm  
 Minor diameter (min) : 1,86200 mm  
 Minor diameter (max) : 1,87200 mm

**Measuring values of effective diameter**

Meas. plane No.	Meas. value No.	Effective diameter [mm]	Exceeding [µm]
1	1	2,03860	-

**Valutation: Gauge in tolerances**

Operator: *i.A. Clemens* ..... Inspection date: 09.01.2008  
 (Clemens)

Uncertainty of meas.: U95 = 2.5 µm; Ref.temperat. [deg C°] : 20; Measuring machine: MAHR 828 Nr.19372,calibrated by Laser Interferometer, Inv.Nr.731 traceability to national standard PTB\*; Setting ring gauge: Nr.93489 calib. document 97 DKD-K-05401 00-05 / 990451 98 DKD-K-05401 00-05 / 1467 157 DKD-K-05401 01-06; Parallel gauge block: Nr. 6936583 calib. document 107 DKD-K-05401 00-05 / 890759 DKD-K-05401 00-05; Thread pin gauges and ball anvil: traceability proofable.This inspection certificate conforms to the requirements of ISO 9000ff and associated standards.The inspections procedure was based on recognised German inspection specifications (VDI/VDE/DGQ/2618).\*Physikalisch Technische Bundesanstalt (Federal Physical and Technical Institute)

