



## CALIBRATION CERTIFICATE

**Customer** : 0155600  
**Identification number** : 127717005  
**Gauge application** : Incoming inspection  
**Standard of thread** : Trapezoidal threads acc. to ISO 2901/2903 (DIN 103-9:1985)  
**Type of gauge** : NO GO thread ring gauge (solid)  
**Thread designation** : Tr 16x4-7e  
**Pitch** : 4,0000 mm  
**Measuring method** : "Three balls" method (using T-probe)  
**Used ball diameter** : 2,0514 mm  
**Constant of T-shaped probe** : 16,0877 mm  
**Measurement traceability** : Mahr 828 ID 381  
**Measurement traceability** : Gauge block set ID 3997 57308 D-K-15190-01-00 2015-06

### Gauge nominal values

Major diameter min. : 16,5000 mm  
 Pitch diameter max. : 13,6400 mm  
 Pitch diameter min. : 13,6070 mm  
 Minor diameter max. : 12,8565 mm  
 Minor diameter min. : 12,7905 mm

### Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	13,6192	-

Valuation: usable

Operator:

(Salvaggio)

Date: 07.02.2019

**Uncertainty of measurement:**  $U = 2.5 \mu\text{m} + 10 \cdot 10^{-6} \cdot d$ . The uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor  $k = 2$ . They were established according to DAkkS-DKD-3. The value of the measured variable is within the assigned value range with 95 % probability.  
**Ref.temp:**  $(20 \pm 1) ^\circ\text{C}$ . **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 Cooperation 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.