

## CALIBRATION CERTIFICATE

Customer : 0155600  
Identification number : 121351001  
Gauge application : Incoming inspection  
Standard of thread : Steel conduit threads acc. to DIN 40431:1972  
Type of gauge : GO thread plug gauge  
Thread designation : Pg 42  
Pitch : 1,5880 mm  
Measuring method : Three wires method  
Wire diameter : 1,0101 mm  
Measuring force : 9,20 N  
Measurement traceability : Mahr 828 Nr.31  
Measurement traceability : Gauge block set ID 3997 57308 D-K-15190-01-00 2015-06

## Gauge nominal values

Major diameter max. : 54,0400 mm  
Major diameter min. : 54,0000 mm  
Pitch diameter max. : 53,2800 mm  
Pitch diameter min. : 53,2400 mm  
Minor diameter max. : 52,5200 mm

## Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	53,2662	-

Valuation: usable

Operator:

  
(Stark)

Date: 30.01.2019

**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.