



## CALIBRATION CERTIFICATE

**Customer** : 0155600  
**Identification number** : 136647011  
**Gauge application** : Incoming inspection  
**Standard of thread** : Unified threads acc. to ANSI/ASME B1.1-1989(R2001), B1.2  
**Type of gauge** : NOGO thread plug gauge  
**Thread designation** : 1 5/8 - 12 UN -2B  
**Pitch** : 2,1170 mm  
**Measuring method** : Three wires method  
**Wire diameter** : 1,1558 mm  
**Measuring force** : 9,90 N  
**Measurement traceability** : Mahr 828 Nr.31  
**Measurement traceability** : single gauge ID 316275 033416 D-K-15048-01-00 2020-06

### Gauge nominal values

Major diameter max. : 41,0108 mm  
 Major diameter min. : 40,9956 mm  
 Pitch diameter max. : 40,0939 mm  
 Pitch diameter min. : 40,0837 mm  
 Minor diameter max. : 38,7096 mm

### Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	40,0908	-

### Valuation: usable

Operator:

*Eisele*  
(Eisele)

Date: 23.02.2021

**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 ± 1) °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.