



## CALIBRATION CERTIFICATE

**Customer** : 0155600  
**Identification number** : 115272021  
**Gauge application** : Incoming inspection  
**Standard of thread** : ASA B2.2-1960 (NPTF, PTF)  
**Type of gauge** : Taper full form thread plug gauge  
**Thread designation** : 1/2 - 14 NPTF L1  
**Pitch** : 1,8140 mm  
**Measuring method** : Measure with IAC Master Scanner  
**Measurement traceability** : IAC MSXP 100x60 Nr.507  
**Measurement traceability** : Gauge block set ID 3997 57308 D-K-15190-01-00 2015-06

### Gauge nominal values

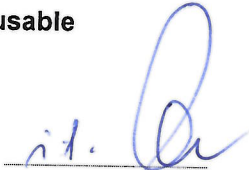
Major diameter max. : 20,6170 mm  
 Major diameter min. : 20,5920 mm  
 Pitch diameter max. : 19,7797 mm  
 Pitch diameter min. : 19,7645 mm  
 Minor diameter max. : 18,3330 mm  
 Length L1 : 8,1280 mm  
 Gauge plane : 8,1280 mm

### Measuring values Pitch diameter

| Gauge plane IAC [mm] | Axial section | PitchØ [mm] | Out of tolerance [mm] |
|----------------------|---------------|-------------|-----------------------|
| 8,1280               | 0° Degree     | 19,7705     | -                     |

Valuation: usable

Operator:

  
(Stark)

Date: 25.11.2020

**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.