

## CALIBRATION CERTIFICATE

**Customer** : 0155600  
**Identification number** : 131063008  
**Gauge application** : Incoming inspection  
**Standard of thread** : Pipe threads acc. to ISO 7/2:2000 (EN 10226:2005)  
**Type of gauge** : Taper full form thread plug gauge  
**Thread designation** : Rc/Rp 1/8  
**Pitch** : 0,9070 mm  
**Measuring method** : Measure with IAC Master Scanner  
**Measurement traceability** : IAC MSXP 100x60 Nr.598  
**Measurement traceability** : Set of setting plugs ID 02-04150

### Gauge nominal values

**Major diameter max.** : 9,7440 mm  
**Major diameter min.** : 9,7280 mm  
**Pitch diameter max.** : 9,1590 mm  
**Pitch diameter min.** : 9,1510 mm  
**Minor diameter max.** : 8,5660 mm  
**Gauge length** : 5,6000 mm  
**Gauge plane** : 1,5880 mm

### Measuring values Pitch diameter

| Gauge plane IAC [mm] | Axial section | PitchØ [mm] | Out of tolerance [mm] |
|----------------------|---------------|-------------|-----------------------|
| 4,0120               | 0° Degree     | 9,1521      | -                     |

**Valuation: usable**

Operator:

*O.S.B.*  
(Sahan-Bitzer)

Date: 23.03.2020

**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.