

CALIBRATION CERTIFICATE

Customer : 0155600
Identification number : 136605016
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 3/8
Pitch : 1,3370 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. : 16,6780 mm
Major diameter min. : 16,6620 mm
Pitch diameter max. : 15,8180 mm
Pitch diameter min. : 15,8100 mm
Minor diameter max. : 14,9500 mm
Gauge length : 8,8000 mm
Gauge plane : 2,3390 mm

Measuring values Pitch diameter

Gauge plane IAC [mm]	Axial section	PitchØ [mm]	Out of tolerance [mm]
6,4610	0° Degree	15,8140	-

Valuation: usable

Operator:


(Sahan-Bitzer)

Date: 06.02.2020

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.