

CALIBRATION CERTIFICATE

Customer : 0155600
Identification number : 139023002
Gauge application : Incoming inspection
Standard of thread : Whitworth threads acc. to BS 84:2007, BS 919-2:2007
Type of gauge : GO thread ring gauge (solid)
Thread designation : W 21.8x1/14 DIN 477
Pitch : 1,8140 mm
Measuring method : Measure with IAC Master Scanner
Measurement traceability : IAC MSXP 100x60 Nr.598
Measurement traceability : Set of setting rings ID 01-04150

Gauge nominal values

Major diameter min. : 21,8000 mm
Pitch diameter max. : 20,6392 mm
Pitch diameter min. : 20,6189 mm
Minor diameter max. : 19,4784 mm
Minor diameter min. : 19,4607 mm

Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	20,6300	-

Valuation: usableOperator:  Date: 14.07.2020
(Ammann-Mayer)

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.