

CALIBRATION CERTIFICATE

Customer : 0155600
 Identification number : 117466002
 Gauge application : Incoming inspection
 Standard of thread : Thread gauges according to factory standards
 Type of gauge : NO 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 : DAkkS Einstellringe im Satz Nr. 01-04150

Gauge nominal values

Major diameter min. : 21,7800 mm
 Pitch diameter max. : 20,5030 mm
 Pitch diameter min. : 20,4880 mm
 Minor diameter max. : 20,0920 mm
 Minor diameter min. : 20,0570 mm

Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	20,4905	-

Valuation: usable

Operator:  Date: 15.07.2020
 (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.