



CALIBRATION CERTIFICATE

Customer : 0155600
Identification number : 158550377
Gauge application : Incoming inspection
Standard of thread : Pipe threads according to ISO 228:2003
Type of gauge : GO/NOT GO thread plug gauge
Thread designation : G 3/4
Pitch : 1,8140 mm
Measuring method : Three wires method
Wire diameter : 1,0104 mm
second wire diameter : 1,0104 mm
Measuring force : 9,10 N
Measurement traceability : Mahr 828 Nr.31
Measurement traceability : Parallelendmaß Nr.314950 033421 D-K-15048-01-00 2020-06

Gauge nominal values	Go side	Not Go side
Major diameter max.	: 26,4590 mm	25,8020 mm
Major diameter min.	: 26,4350 mm	25,7780 mm
Pitch diameter max.	: 25,2980 mm	25,4330 mm
Pitch diameter min.	: 25,2860 mm	25,4210 mm
Minor diameter max.	: 24,1170 mm	23,9750 mm

Measuring values Pitch diameter - Go side


Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	25,2920	-

Measuring values Pitch diameter - Not go side

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	25,4276	-

Valuation: usable

Operator:


(Bantle)

Date: 22.09.2021

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.