JOHS. BOSS Albstadt — JBO — Präzisions-Werkzeugfabrik

CALIBRATION CERTIFICATE

Customer	:	**0155600**
Identification number	:	**126883002**
Gauge application	:	**Incoming inspection**
Standard of thread	:	**Thread gauges according to factory standards**
Type of gauge	:	**GO thread plug with NO GO plain plug for minor diameter**
Thread designation	:	**Pg 29**
Pitch	:	**1,5880 mm**
Measuring method	:	**Three wires method**
Measurement traceability	:	**Mahr 828 Nr.22**
Measurement traceability	:	**single gauge ID 316275 014252 D-K-15048-01-00 2019-03**

Gauge nominal values		**Go side**	**Not Go side**
Major diameter max.	:	37,0400 mm	35,7500 mm
Major diameter min.	:	37,0000 mm	35,7100 mm
Pitch diameter max.	:	36,2800 mm	
Pitch diameter min.	:	36,2400 mm	
Kerndurchmesser Höchstmaß	:	35,5200 mm	

Measuring values Pitch diameter - Go side

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	36,2666	-

Measuring values - Not go side

Plane	Axial section	MajorØ [mm]	Out of tolerance [µm]
1	0 Degree	35,7351	-

Valuation: usable

Operator: (Ammann) Date: 10.01.2020

Uncertainty of measurement: $U = 2.5\ \mu m + 10 \cdot 10^{-6} \cdot d$. 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 ± 1) °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 Eropean Cooperation for Accreditation (EA) and therefore traceable to the national standards of the PTB. Hence the inspection certificate complies with the tracebility requirements of DIN EN ISO 9001.

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