JOHS. BOSS Albstadt JBO Präzisions-Werkzeugfabrik

CALIBRATION CERTIFICATE

Customer	:	**0155600**
Identification number	:	**112602002**
Gauge application	:	**Incoming inspection**
Standard of thread	:	**Metric ISO threads acc. to ISO 965:1998/ISO 1502:1996**
Type of gauge	:	**GO thread ring gauge (solid)**
Thread designation	:	**M 37x1-6g**
Pitch	:	**1,0000 mm**
Measuring method	:	**Measure with IAC Master Scanner**
Measurement traceability	:	**IAC MSXP 100x60 Nr.507**
Measurement traceability	:	**Set of setting rings ID 8138 101590 D-K-15089-01-01 2016-09**

Gauge nominal values

Major diameter min.	:	37,0550 mm
Pitch diameter max.	:	36,3290 mm
Pitch diameter min.	:	36,3150 mm
Minor diameter max.	:	35,8980 mm
Minor diameter min.	:	35,8840 mm

Measuring values Pitch diameter

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	36,3236	-

Valuation: usable

Operator: (Ammann) Date: 25.06.2019

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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