JOHS. BOSS Albstadt — JBO — Präzisions-Werkzeugfabrik

CALIBRATION CERTIFICATE

Customer	:	**Johs. Boss GmbH & Co. KG**
Identification number	:	**123456789**
Gauge application	:	**Incoming inspection**
Standard of thread	:	**Metric ISO threads acc. to ISO 965:2013/ISO 1502:1996**
Type of gauge	:	**GO/NOT GO thread plug gauge**
Thread designation	:	**M 6x1-6H**
Pitch	:	**1,0000 mm**
Measuring method	:	**Three wires method**
Wire diameter	:	**0,5770 mm**
second wire diameter	:	**0,5770 mm**
Measuring force	:	**4,00 N**
Measurement traceability	:	**Mahr 828 Nr.22**
Measurement traceability	:	**Parallelendmaß Nr. 316626 042625 D-K-15048-01-00 2022-06**

Gauge nominal values		**Go side**	**Not Go side**
Major diameter max.	:	6,0230 mm	5,7165 mm
Major diameter min.	:	6,0010 mm	5,6945 mm
Pitch diameter max.	:	5,3675 mm	5,5110 mm
Pitch diameter min.	:	5,3565 mm	5,5000 mm
Minor diameter max.	:	4,7730 mm	4,7730 mm

Measuring values Pitch diameter - Go side

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	5,3636	-

Measuring values Pitch diameter - Not go side

Plane	Axial section	PitchØ [mm]	Out of tolerance [µm]
2	0 Degree	5,5056	-

Valuation: usable

Operator: JBO (JBO)

Date: 03.01.2023

Uncertainty of measurement: $U = 3.2\ \mu m + 10 \cdot 10^{-6} \cdot d$. 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.

Johs. Boss GmbH & Co. KG
Johannes-Boss-Straße 9, 72461 Albstadt, Germany Tel. +49 7432 90 87 0 contact@johs-boss.de www.johs-boss.de