

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-K-20153-01-00 according to DIN EN ISO/IEC 17025:2005

Period of validity: 28.08.2015 to 27.08.2020

Date of issue: 28.08.2015

Holder of certificate:

Shanghai DJT-AQRAT Measuring Tools Co., LTD
288-1 Song Hai Road, Qingpu Industrial Zone, CN-201703 Shanghai / P. R. China

Head: Markus Fehrenbach

Deputy: Peter Hoffmann

Accredited as calibration laboratory since: 28.08.2015

Calibration in the fields:

Dimensional quantities

Length

- **Gauge blocks**

Abbreviations used: see last page

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Permanent Laboratory

Measurement quantity / Calibration item	Range	Measurement conditions / procedure	Best measurement capability ¹⁾	Remarks
Length Gauge blocks made of steel or ceramics according to DIN EN ISO 3650:1999	0.5 mm to 100 mm	Measurement of the deviation of the central length l_c from the nominal value l_n by comparison measurement	For the central length: $0.09 \mu\text{m} + 0.6 \cdot 10^{-6} \cdot l$ For the deviations f_0 and f_u from the central length: 0.07 μm	Calibration and measuring surface quality as stated in QMH resp. in the test specifications l = gauge block length
Gauge blocks made of tungsten carbide according to DIN EN ISO 3650:1999	0.5 mm to 100 mm	Measurement of the deviations f_0 and f_u from the central length by 5 points comparison measurement	For the central length: $0.09 \mu\text{m} + 1.2 \cdot 10^{-6} \cdot l$ For the deviations f_0 and f_u from the central length: 0.07 μm	

Abbreviations used:

none

¹⁾ The best measurement capabilities are stated according to DAkkS-DKD-3 (EA-4/02). These are expanded uncertainties of measurement with a coverage probability of 95% and have a coverage factor of $k=2$ unless stated otherwise. Uncertainties without unit are relative uncertainties referring to the measurement value unless stated otherwise.