



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olišanská 54/3, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products, as amended

CERTIFICATE OF ACCREDITATION

No. 597/2022

Mahr, spol. s r.o.
with registered office Kpt. Jaroše 552, 417 12 Proboštov, Company Registration No. 49098667

to the Calibration Laboratory No. 2412
Calibration Laboratory - Mahr Proboštov

Scope of accreditation:

Calibration in the field of length and plane angle to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of Accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited Conformity Assessment Body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 678/2019 of 12. 12. 2019, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: 7. 12. 2027

Prague: 7. 12. 2022




Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Mahr, spol. s r.o.

Facility No. 2412, Calibration Laboratory – Mahr Proboštov
Kpt. Jaroše 552, Post code 417 12, Proboštov

CMC for the field of measured quantity: Length

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range		Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min. unit	max. unit					
1*	Length / Ring gauges - roundness - front run-out - straightness - parallelity - perpendicularity	0 µm	up to 500 µm		0.026 µm	Measuring with a roundness standard flatness standard flatness standard straightness standard parallelity standard flatness standard	KP 1.1.1	
		0 µm	up to 500 µm	X-axis	0.027 µm			
		0 µm	up to 500 µm	Z-axis	0.05 µm			
		0 µm	up to 500 µm	Z-axis	0.2 µm			
		0 µm	up to 500 µm	X-axis	0.3 µm			
2*	Length / Contourographs - straightness - length - radius	0 mm	up to 70 mm		0.03 µm	Measuring with a flatness standard KN100 contour standard radius standard	KP 1.2.1	
		0.1 mm	up to 260 mm		0.6 µm			
		6 mm	up to 100 mm		0.75 µm			
3*	Length / Roughness meters	0.8 µm	up to 500 µm	Roughness Ra Roughness Rz Roughness Rmax Profile Pt	3 % 3 % 3 % 0.15 µm	Comparison with Ra roughness standard with Rz roughness standard with Rmax roughness standard with Pt profile standard	KP 1.3.1	

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %; if not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. ~~For calibration~~ calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

³ If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).



Accredited entity according to ČSN EN ISO/IEC 17025:2018:

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CMC for the field of measured quantity: Plane angle

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range			Parameter(s) of the meas. quantity	Lowest expanded measurement uncertainty specified ²	Calibration principle	Calibration procedure identification ³	Work-place
		min.	unit	max. unit					
1*	Angle / Contourographs	0 °	up to	360 °		0.015 °	Measuring with an angle standard	KP 1.2.1	

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02, part of CMC, and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %; if not stated otherwise, the uncertainty values stated without a unit are relative to the value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

³ If the document identifying the calibration procedure is dated, only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

