

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

HOMMEL CS s.r.o.
CAB number 2421, Teplice Calibration Laboratory
Karoliny Světlé 2546, 415 01 Teplice

CMC for the field of measured quantity: Length

Ord. number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Opticline diameter length	0 mm	to	140 mm		0.3 µm 0.4 µm	Measurement by a reference step gauge	KP-01-04-2022		
2*	Ring gauge roundness run-out parallelity straightness perpendicularity	0 µm	to	500 µm		0.3 µm 0.010 µm 1.0 µm 0.1 µm 0.1 µm	Measurement by a roundness standard Measurement by a calibration sphere Measurement by a measuring cylinder Measurement by a glass straightness standard	KP-02-04-2022		
3*	Profile gauge length radius	0 mm	to	90 mm		0.8 µm 0.8 µm	Measurement by a KN8 profile standard	KP-03-04-2022		
4*	Roughness meter Ra Rz Rt Rmax Pt	0.1 µm	to	5 µm		0.026 µm 0.11 µm 0.12 µm 0.11 µm 0.20 µm	Measurement by a reference roughness plate Measurement by a reference profile plate	KP-04-04-2022		

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 M a 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 measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

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).

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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 measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Work-place
		min	unit	max	unit					
1*	Profile gauge	0 °		to	90 °		0.006°	Measurement by a KN8 profile standard	KP-03-04-2022	

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 M a 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 measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

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