



Calibration Certificate

19.11.2024

Data of test item:

Manufacturer	Käfer	Inspector:	Haak
Ident-No.:	AOX564670	Test as per:	DIN 2270
Object:	K46	Reference-point	0,00
Measuring span:	0,20 mm	Begin:	-0,10 mm
Dial graduation:	0,002 mm	End:	0,10 mm
Wiederholgenauigkeit wurde geprüft, bei dem Wert:			0,01 mm

Remarks:

The calibration is performed with the testing instrument: MFP-30 BV (D08 0712)

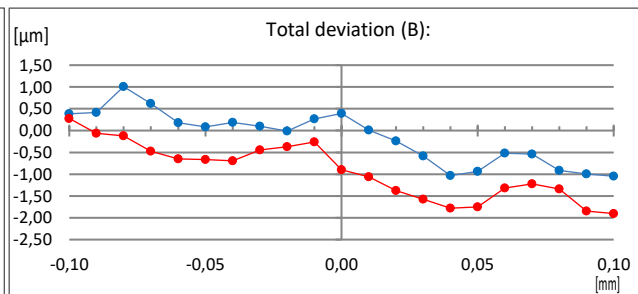
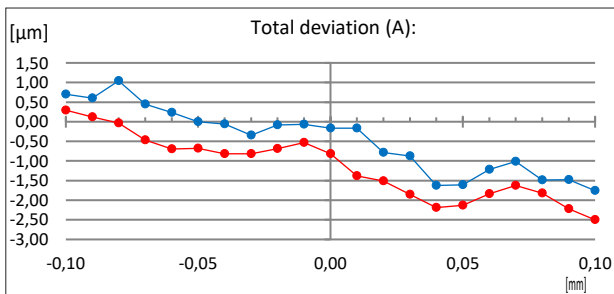
The measuring results are traceable to national standards of the Physikalisch-Technische Bundesanstalt (PTB)

by comparison with the integrated length standard with the following certificated calibration standards:

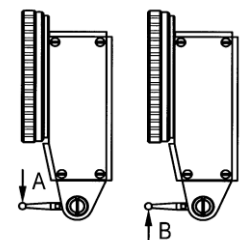
Traceability: FMS 83929/06/24

Reference: Laserinterferometer SP 5000 NG, Normal Nr. F 4964

Uncertainty: $0.65\mu\text{m} + 2 \cdot 10^{-6} \cdot L$



Parameter	Limit μm	Actual error (A) μm	Actual error B μm	Excision	
				A in μm	B in μm
fe	3,00	2,80	2,06		
fges	4,00	3,54	2,91		
fu	2,00	1,21	1,29		
ft	2,00	0,46	0,62		
fw	1,50	0,08	0,03		



— Ingoing measuring bolt
— Outgoing measuring bolt

Calibration result: Good

Notice:

This certificate shows the errors at checking time.

This certificate was made electronically. It's valid without stamp and signature.