



Since 1998

# NATIONAL CENTRE FOR QUALITY CALIBRATION

4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon-Ambli Road, Ambli, Ahmedabad-380 058  
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CC-2128

Visit our Web Site : [www.calibrationlaboratory.in](http://www.calibrationlaboratory.in)

Precision Calibration with National / International Traceability for Temperature, Dimensional, Pressure, Vacuum, Time, Mass, Electrical, Noise, Airflow, Lux & all Special Purpose Instruments in all ranges.

## Calibration Certificate

F/CR/M/41/01 Issue No. 02

<b>Name of Customer</b> <b>National Centre for Quality Calibration</b> 4, Abhishree Corporate Park, Nr. Swagat Bungalows BRTS, Iskcon – Ambli Road, Ambli, Ahmedabad – 380 058, Gujarat	<b>Certificate No.</b> NCQC-M/150723/002	
	<b>Date of Issue</b> 15/07/2023	
	<b>Date of Calibration</b> 15/07/2023	
	<b>Suggested Due Date</b> 14/07/2024	
<b>Date of Receipt / Ref.No.:</b> 15/07/2023		

<b>ULR No. :</b> CC21282300006186F	<b>Discipline :</b> Mechanical Calibration Dimensional (Basic-Measuring Instrument, Gauges etc.)
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<b>Details of Observation of Unit Under Calibration</b>	<b>Identification No. :</b> NCQC/M-235 to 246 <b>Serial No. :</b> R-681 to R-692 <b>Name of Instrument :</b> Plain Ring Gauge
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<b>Range</b> 2.998 to 11.002 mm	<b>Visual Inspection</b> OK
<b>Make / Model</b> Finiks/===	
<b>Location</b> Calibration Lab.	
<b>Loc. of Calibration</b> At Laboratory	<b>Std. Ref. Used</b> IS 3455 & IS 3485
<b>Environment Cond.</b> 20 ± 2 °C, 40 to 60 % Rh	<b>Cali.Method No.</b> NCQC/CM/M/045
<b>Actual Env. Cond.</b> 21.1 °C      51.9 %Rh	

### Master Instruments Detail

NCQC SYS.NO.	Nomenclature	Make/ Model	Id / Serial No.	Traceable To	Certificate No.	Valid Upto
226	Length Measuring Machine	Octagon / LMM300T	NCQC/M-24 / 050	CC-2751	OM / 46 / 220048	02/03/2025
229	Master Setting Ring	Baker / ===	NCQC/M-125/FI0009	CC-2764	LAB/CA/04/02/21/1366	16/09/2023

### Calibration Results

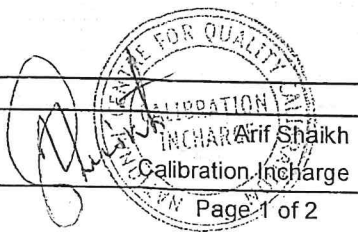
ID No./Sr. No.	Nominal Diameter in mm	Observed value in mm	Ovality in µm	Expanded Uncertainty in µm (k =2) ±
NCQC/M-235 (R - 681)	2.998	2.9986	0.2	2.6
NCQC/M-236 (R - 682)	3.499	3.4989	0.2	2.6
NCQC/M-237 (R - 683)	3.999	3.9997	0.3	2.6
NCQC/M-238 (R - 684)	4.499	4.4991	0.2	2.6
NCQC/M-239 (R - 685)	4.999	4.9990	0.2	2.6
NCQC/M-240 (R - 686)	5.502	5.5023	0.2	2.6
NCQC/M-241 (R - 687)	6.004	6.0045	0.3	2.6
NCQC/M-242 (R - 688)	7.000	6.9999	0.3	2.6
NCQC/M-243 (R - 689)	7.999	7.9998	0.2	2.6
NCQC/M-244 (R - 690)	8.999	8.9982	0.3	2.6
NCQC/M-245 (R - 691)	10.000	10.0006	0.3	2.6
NCQC/M-246 (R - 692)	11.002	11.0021	0.3	2.6

NCQC  
 Valid up to 14-07-2024  
 Reviewed *[Signature]*

Traceable To National / International Standards.

Calibrated By  
*[Signature]* Harsh Patel  
 Calibration Engineer

Reviewed & Approved By  
*[Signature]* INCHAR Arif Shaikh  
 Calibration Incharge



NCQC System Certificate No. 410



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F/CR/M/041/01 IssueNo. 02

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<b>Date of Receipt / Ref.No.:</b> 15/07/2023		

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<b>Details of Observation of Unit Under Calibration</b>	<b>Identification No.</b> : NCQC/M-235 to 246
	<b>Serial No.</b> : R-681 to R-692
	<b>Name of Instrument</b> : Plain Ring Gauge

**Remarks:**

- Averages of minimum five readings are reported.
- Suggested due date is given based on customer requirements
- Condition of instrument found satisfactory during receipt.
- These results are obtained at the time of calibration.
- Result relates to the item calibrated only.
- No external provider was used for calibration and hence it is not applicable.
- Calibration certificate shall not be reproduced except in full without written approval of Director, NCQC.
- Any hand written corrections (except @) or photocopies of the report invalidates this certificate.
- The uncertainties are for a confidence probability of not less than 95% with coverage factor  $k = 2$
- Our masters are directly calibrated through NABL accredited calibration laboratory having direct traceability with National / international standard.

Traceable To National / International Standards.

Calibrated By Harsh Patel  
Calibration Engineer

Reviewed & Approved By Arif Shaikh  
Calibration-Incharge

