

CALIBRATION CERTIFICATE OF STRAIGHT MANDREL (Master Cylinder)	CALIBRATION CERTIFICATE NO. KCP/35/22~23/5339	
	ULR NO: CC2323 22 0 00008539 F	
ISSUE DATE OF CERTIFICATE: 09-10-2022	PAGE: 01 of 01	NO. OF PAGES: 01

NAME & ADDRESS OF THE CUSTOMER : **M/s. NATIONAL CENTRE FOR QUALITY CALIBRATION.**
House No.4, Abhishree Corporate Park, Nr. Swagat Bungalow BRTS, Iskon-Ambli Road, Ambli, **AHEMEDABAD - 380 058.**

CUSTOMER'S REFERENCE : Internal requisition.
DATE OF RECEIPT : 27-09-2022
ITEM FOR CALIBRATION : Master Cylinder, Size: 95X300 mm
Sr No: 18000, ID No: NCQC/M-112, Make: Bagson.

CONDITION OF ITEM : OK
LAB WORK ORDER NO. : 22-23/307.
DATE & PLACE OF CALIBRATION : 08-10-2022, @ KCP Lab.
CALIBRATION PROCEDURE : Determination of roundness/cylindricity/straightness of component/gauge by using Roundness Measuring Machine as per Procedure No KCP/PCD/07-3
EQUIPMENTS / REFERENCE : Used standards are traceable to National standards
CALIBRATION STANDARDS (direct/thro' NABL accredited Lab.)

Sr. No.	Type of Master equipments	I.D. No.	Calibration Report No.	Valid Up to
1.	Roundness Measuring Machine	Rondcom54SD3	P/50/210001	17-05-2023

ENVIRONMENTAL CONDITION : Temperature- 19.8°~20.0° [20° ± 1° C]
Humidity(RH)-57.0%~58.0%. [50 ± 10%]

UNCERTAINTY OF MEASUREMENT : ± 2.30 µm for Cylindricity.
± 2.30 µm for Straightness
± 2.30 µm for Roundness

The Uncertainty stated is the expanded uncertainty of measurement obtained by multiplying the standard uncertainty by the coverage factor K=2 corresponds to confidence level of 95.45%




CALIBRATION RESULTS

Specification 'mm'	Observed Straightness 'µm' (0°)	Observed Straightness 'µm' (90°)	Observed Straightness 'µm' (180°)	Observed Straightness 'µm' (270°)
95X300	2.259	2.898	1.889	2.768

Specification 'mm'	Observed Roundness 'µm'	Top	Middle	Bottom
		95X300	0.982	1.026

Specification 'mm'	Observed Cylindricity 'µm'
95X300	3.443

NCQC
Valid up to 07-10-2025
Reviewed

<p>CALIBRATED BY</p>  <p>V.V.SIMANT (Inspector)</p>		<p>AUTHORIZED SIGNATORY</p>  <p>T.V.JAMKHEDKAR (Technical Manager)</p>
<ul style="list-style-type: none"> This certificate refers only to the particular item(s) submitted for calibration. The calibration results reported in this certificate are valid at the time of & under the stated condition of measurement. This certificate shall not be reproduced except in full, unless written permission of Quality Manager (Calibration Lab) 		

END OF CERTIFICATE
NCQC System Certificate No. 15

