

## Vaidyanatheshwara Instruments

## CERTIFICATE OF CALIBRATION



No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096. Ph: 080-23377266, Mob: 9986586789 / 9632221171 / 9964308118 | Email: info@viplgroup.com Web: www.viplgroup.com

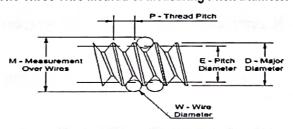
NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Date of Issue: 20 - 03 - 2023

Sheet: 1 OF 1

Format No. : VI-FRM-ME-041 ULR N		lo.: CC247323100010601F			Report No: VI/22-23/8525-19						
	M/s. MAG ENGINEERING Unit A.,										
Customer Name and Address		46A, 3 <sup>rd</sup> Main, 2 <sup>nd</sup> Phase Peenya,									
		Bangalore, Karnataka – 560058.									
Customer Ref. No. and Date   DC NO: SIA/RGP21-			-22/0365 & 13-03-2023			Received Condition			S	atisfactory	
SRF NO 8525						Date of Receipt			14	1-03-2023	
CALIBRATED INSTRUMENT / EQUIPMENT DETAILS											
Nomenclature	Thread	read Plug Gauge Make						HIP			
Size	M10-6	4	Customer Instrument Reference No.			0,	M023				
Calibration Done At	VI Mec	/I Mechanical Lab		Temperature / Humidity				20.0 - 20.2°C		52%	6 - 54% (RH)
Calibrated on	20 - 03	-03-2023		Calibration due on				19 - 03 - 2024			
Discipline	Mechanical (Dimensional)										
MASTER EQUIPMENT TRACEABILITY DETAILS											
Nomenclature	Make	Range / Resolution		ID No	).	Certificate	ate No.		Traceable To		Validity
Universal Length Machine	Octago	Upto300 mm / 0.1 μm		VI-ME-0	)15	VI/22-23/INT-ME-171-01		-01	VI-Bangalore		08-04-2023
CALIBRATION PROCEDURE											
Used Wire Size: 0.895 mm				Measuring Method: Three Wire Method							
Standard Used: Metric threads IS 4218-2001 & 2334-2001				SOP NO: - 16-37							

The Three Wire Method of Measuring Pitch Diameter



Gauge Nominal Values AS PER IS STANDARD

Gauge Nominal value	Go Side (mm)	No-Go Side (mm)
Major Diameter Max Value	10.0230	9.5225
Major Diameter Min Value	10.0010	9.5005
Effective Diameter Max Value	9.0435	9.2170
Effective Diameter Min Value	9.0325	9.2060
Effective Diameter Wear Limit	9.0205	9.2000
Minor Diameter Max Value	8.1595	8.1595

Calibration Results of Go side

SI .no	Effective dia (mm)	Deviation (µm)
01	9.0209	-11.6
02	9.0212	-11.3

Calibration Results of No-Go side

SI .no	Effective dia (mm)	Deviation (µm)
01	9.2068	•
02	9.2065	•

## Conclusion:

Uncertainty of calibration at 95.45% Confidence level and Coverage Factor K = 2: ± 3.2 µm

The Reported Results are valid only for the conditions of the received Instruments/gauges at the time of and under the stated conditions of the calibration.

Calibrated By

Syed Sikander (Calibration Engineer) Checked By

P. Santhow Kumar (Lab-In Charge)

