

Vaidyanatheshwara Instruments

CERTIFICATE OF CALIBRATION



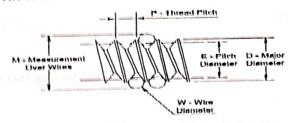
No. 301/A, 9th Main Read, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
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NABL Accredited Calibration Lab as per ISO/IEC 17025 : 2017 With vide Certificate No: CC-2473

Date of Issue: 20 - 03 - 2023

Sheet: 1 OF 1

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Format No. : VI FRM ME-041 ULR No.: CC24/323100010600F						Report No: VI/22-23/8525-18				
M/s. MAG ENGINEERING Unit A.,										
Customer Name and Address 46A, 3rd Main				ıya,						
The second secon			mataka = 500050.			Received Condition			Sa	atisfactory
Cherent in the contract of the		22/0300 & 13-03-2023					_	-03-2023		
NGF NO 1 0070										
The state of the s							HIP			
Mary a processor of the particular	ing oning					0.	M020			
State and State and State and	the same of the sa		Temperature / Humidity						- 54% (RH)	
production at the last control for			Calibration due on				19 – 03 – 2024			
	ochanical (Dimensional)									
MASTER EQUIPMENT TRACEABILITY DETAILS										
Make	ike Range / Resolution		ID No		Certificate No.			Traceable To		Validity
Octagon	on Upto300 mm / 0.1 µm		VI-ME-0	15	VI/22-23/INT-ME-171		-01	l VI-Bangalore		08-04-2023
	CAL	IDRAT	ION PRO							
Used Wire Size: 0.455 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										
	te DC 852 Thread P M5-611 VI Mecha 20 – 03 – Mechani	M/s. MAG ENGINE 46A, 3rd Main, Bangalore, Ka DC NO; SIA/RGP21- 8525 CALIBRATED IN Thread Plug Gauge M5-611 VI Mechanical Lab 20 - 03 - 2023 Mechanical (Dimensiona MASTER EQU Make Octagon Upto300 mm / 0 CAL ends IS 4218-2001 & 2334-2	M/s. MAG ENGINEERING 46A, 3rd Main, 2rd Ph Bangalore, Karnatak ate DC NO; SIA/RGP21-22/036 8525 CALIBRATED INSTRUI Thread Plug Gauge Make M5-611 Custo VI Mechanical Lab Temp 20 - 03 - 2023 Calib Mechanical (Dimensional) MASTER EQUIPMEN Range / Resolution Octagon Upto300 mm / 0.1 µm CALIBRAT	M/s. MAG ENGINEERING Unit A., 46A, 3 rd Main, 2 rd Phase Peer Bangalore, Karnataka – 5600 bte DC NO; SIA/RGP21-22/0365 & 13-03 8525 CALIBRATED INSTRUMENT / E Thread Plug Gauge Make M5-611 Customer Instr VI Mechanical Lab Temperature / 20 – 03 – 2023 Calibration duc Mechanical (Dimensional) MASTER EQUIPMENT TRACI Make Range / Resolution ID No Octagon Upto300 mm / 0.1 µm VI-ME-0 CALIBRATION PRO	M/s. MAG ENGINEERING Unit A., 46A, 3rd Main, 2rd Phase Peenya, Bangalore, Karnataka – 560058. BC NO: SIA/RGP21-22/0365 & 13-03-20. 8525 CALIBRATED INSTRUMENT / EQUI Thread Plug Gauge Make Customer Instrume Temperature / Hun 20 – 03 – 2023 Calibration due on Mechanical (Dimensional) MASTER EQUIPMENT TRACEAB Make Range / Resolution ID No. Octagon Upto300 mm / 0.4 µm VI-ME-015 CALIBRATION PROCED GALIBRATION PROCED	M/8. MAG ENGINEERING Unit A., 46A, 3rd Main, 2rd Phase Peenya, Bangalore, Karnataka – 560058. Ate DC NO; SIA/RGP21-22/0305 & 13-03-2023 8525 CALIBRATED INSTRUMENT / EQUIPMENT DETAIL Thread Plug Gauge Make M5-611 Customer Instrument Reference Note that the Constant of	M/s. MAG ENGINEERING Unit A., 46A, 3rd Main, 2rd Phase Peenya, Bangalore, Karnataka – 560058. Rec. 8525 Date CALIBRATED INSTRUMENT / EQUIPMENT DETAILS Thread Plug Gauge Make M5-611 Customer Instrument Reference No. VI Mechanical Lab Temperature / Humidity 20 – 03 – 2023 Calibration due on Mechanical (Dimensional) MASTER EQUIPMENT TRACEABILITY DETAILS Make Range / Resolution ID No. Certificate No. Octagon Upto300 mm / 0.1 µm VI-ME-015 VI/22-23/INT-ME-171 CALIBRATION PROCEDURE Measuring Method: Threads IS 4218-2001 & 2334-2001 SOP NO: - 16-37	M/s. MAG ENGINEERING Unit A., 46A, 3rd Main, 2rd Phase Peenya, Bangalore, Karnataka – 560058. DC NO: SIA/RGP21-22/0305 & 13-03-2023 Received 8525 Date of F	M/s. MAG ENGINEERING Unit A., 46A, 3rd Main, 2rd Phase Peenya, Bangalore, Karnataka = 560056. DC NO; SIA/RGP21-22/0305 & 13-03-2023 Received Condition D525 Date of Receipt	



Gauge Nominal Values AS PER IS STANDARD

Gauge Nominal value	Go Side (mm)	No-Go Side (mm)
Major Diameter Max Value	5,0150	4.7785
Major Diameter Min Value	4,9970	4.7605
Effective Diameter Max Value	4,4905	4.6140
Effective Diameter Min Value	4,4815	4.6050
Effective Diameter Wear Limit	4,4735	4,6000
Minor Diameter Wear Limit	4.0185	4.0185

Calibration Results of Go side

\$1.no	Effective dia (mm)	Deviation (µm)
ÓÍ	4,4060	•
02	4.4063	И

 Calibration Results of No-Go side

 Sl.no
 Effective dia (mm)
 Deviation (μm)

 01
 4.6137

 02
 4.6134

Conclusion:

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

The Reported Results are valid only for the conditions of the recoived instruments/gauges at the time of and under the

stated conditions of the calibration.

Calibrated By

Byed Bikander (Calibration Engineer)

P. Santhus Kumar (Lab-In Charge)

Checked By

