



COMMITTED TO THE
CUSTOMER SINCE - 1996

Vaidyanatheshwara INSTRUMENTS

CERTIFICATE OF CALIBRATION



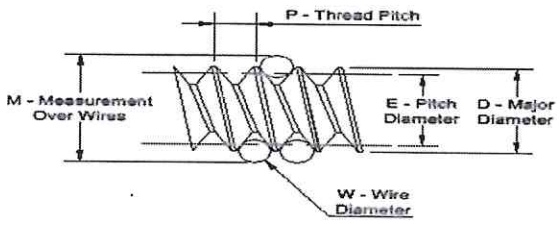
No. 301/A, 9th Main Road, 3rd Cross, Rajiv Gandhi Nagar, J.B. Kaval, Nandhini Layout Post, Bangalore - 560 096.
Ph : 080-23377266, Mob : 9986586789 / 9632221171 / 9964308118 | Email : info@viplgroup.com Web : www.viplgroup.com

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

Date of Issue: 04 - 03 - 2023

Sheet: 1 OF 1

Report No: VI/22-23/8113-10

Format No. : VI-FRM-ME-041		ULR No.: CC247323100008285F		Report No: VI/22-23/8113-10	
Customer Name and Address		M/s. MAG ENGINEERING Unit A., 46A, 3 rd Main, 2 nd Phase, Peenya, Bangalore, Karnataka - 560058.			
Customer Ref. No. and Date		DC NO: SAI/RGP 21-22/0351 & 28-02-2023		Received Condition	
SRF NO		8113		Date of Receipt	
				Satisfactory	
CALIBRATED INSTRUMENT / EQUIPMENT DETAILS					
Nomenclature	Thread Plug Gauge	Make	HIP		
Size	M14-6H	Customer Instrument Reference No.	M037		
Calibration Done At	VI Mechanical Lab	Temperature / Humidity	20.0 - 20.2°C 52% - 54% (RH)		
Calibrated on	04 - 03 - 2023	Calibration due on	03 - 03 - 2024		
Discipline	Mechanical (Dimensional)				
MASTER EQUIPMENT TRACEABILITY DETAILS					
Nomenclature	Make	Range / Resolution	ID No.	Certificate No.	Traceable To
Universal Length Machine	Octagon	Upto300 mm / 0.1 µm	VI-ME-015	VI/22-23/INT-ME-171-01	VI-Bangalore
Validity					
08-04-2023					
CALIBRATION PROCEDURE					
Used Wire Size : 1.100 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	14.0300		13.3340		
Major Diameter Min Value	14.0020		13.3060		
Effective Diameter Max Value	12.7240		12.9270		
Effective Diameter Min Value	12.7100		12.9130		
Effective Diameter Wear Limit	12.6960		12.9050		
Minor Diameter Max Value	11.5463		11.5463		

Calibration Results of Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	12.7106	-
02	12.7109	-

Calibration Results of No-Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	12.9167	-
02	12.9164	-

Conclusion:

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

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. Santhosh Kumar
(Lab-In Charge)

Authorized Signatory

Gangadhar C.
(Authorized Signatory)