

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

Format No. : VI-FRM-ME-041 ULR No.: CC247323100008291F Report No: VI/22-23/8113-16

Customer Name and Address M/s. MAG ENGINEERING Unit A.,
46A, 3rd Main, 2nd Phase, Peenya,
Bangalore, Karnataka - 560058.

Customer Ref. No. and Date DC NO: SAI/RGP 21-22/0351 & 28-02-2023 Received Condition Satisfactory
SRF NO 8113 Date of Receipt 01-03-2023

CALIBRATED INSTRUMENT / EQUIPMENT DETAILS

Nomenclature	Thread Plug Gauge	Make	MASTER METROLOGY	
Size	3/4"X14 BSP	Customer Instrument Reference No.	F5873-F5876 / M122	
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)			

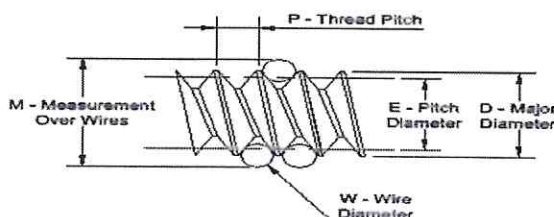
MASTER EQUIPMENT TRACEABILITY DETAILS

Nomenclature	Make	Range / Resolution	ID No.	Certificate No.	Traceable To	Validity
Universal Length Machine	Octagon	Upto300 mm / 0.1 µm	VI-ME-015	VI/22-23/INT-ME-171-01	VI-Bangalore	08-04-2023

CALIBRATION PROCEDURE

Used Wire Size : 1.100 mm Measuring Method : Three Wire Method
Standard Used : ISO 228-2:2000 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	26.4590	25.8018
Major Diameter Min Value	26.4350	25.7778
Effective Diameter Max Value	25.2980	25.4330
Effective Diameter Min Value	25.2860	25.4210
Effective Diameter Wear Limit	25.2730	25.4140
Minor Diameter Max Value	24.1170	23.9750

Calibration Results of Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	25.2887	-
02	25.2884	-

Calibration Results of No-Go side

Sl.no	Effective dia (mm)	Deviation (µm)
01	25.4286	-
02	25.4283	-

Conclusion:

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

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
Syed Sikander
(Calibration Engineer)

Checked By
P. Santhosh Kumar
P. Santhosh Kumar
(Lab-In Charge)

