Laboratory	**Size Control Gauges and Tools Pvt. Ltd., D-5, MIDC, Ahmednagar, Maharashtra**
Accreditation Standard	**ISO/IEC 17025: 2005**
Certificate Number	**CC-2608** **Page 1 of 3**
Validity	**16.03.2018 to 15.03.2020** **Last Amended on -**

Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
	MECHANICAL CALIBRATION			
I.	**DIMENSION (BASIC MEASURING INSTRUMENT, GAUGE ETC.)**			
1.	Caliper[$] (Vernier/Dial/Digital) L.C.: 10 µm	0 to 150 mm	9.0 µm	Using Gauge Block by Comparison Method
2.	External Micrometer[$] L.C.: 1 µm	0 to 25 mm	2.0 µm	Using Gauge Block by Comparison Method
3.	Plain Plug Gauge[$]	2 mm to 20 mm >20 mm to 200 mm	1.1 µm 1.8 µm	Using ULM by Comparison Method
4.	Cylindrical Setting Master Diameter Variation[$]	2 mm to 20 mm >20 mm to 200 mm	1.1 µm 1.8 µm	Using ULM by Comparison Method
5.	Plain Snap Gauge[$]	4 mm to 125 mm	1.8 µm	Using Gauge Block by Comparison Method
6.	Measuring Pin[$]	0.1 mm to 20 mm	1.1 µm	Using ULM by Comparison Method
7.	Thread Measuring Wire[$]	0.17 mm to 6.35 mm	2.3 µm	Using ULM by Comparison Method
8.	Plain Ring Gauge[$]	4 mm to 100 mm >100 mm to 400 mm	2.3 µm 3.3 µm	Using ULM & Master Ring Gauge by Comparison Method
9.	Thread Plug Gauge[$] (Effective Dia)	2 mm to 30 mm >30 mm to 400 mm	2.2 µm 4.5 µm	Using ULM, FCDM, Cylindrical Setting Master & Thread Measuring Wire by Comparison Method
	Thread Plug Gauge[$] (Major Dia)	2 mm to 30 mm >30 mm to 400 mm	1.6 µm 2.0 µm	

Sangeeta Kunwar
Convenor

Avijit Das
Program Director

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10.	Thread Ring Gauge[$] (Effective Dia)	4 mm to 100 mm >100 mm to 400 mm	2.3 µm 3.6 µm	Using ULM & Master Ring Gauge by Comparison Method
	Thread Ring Gauge[$] (Minor Dia)	4 mm to 100 mm >100 mm to 400 mm	2.0 µm 2.8 µm	
11.	Pitch[$]	Up to 25 mm	1.9 µm	Using Countercord Measuring Machine by Comparison Method
12.	Depth[$] (Standoff & Height)	Up to 25 mm	3.0 µm	Using CMM by Comparison Method
13.	Thread Height[$]	Up to 15 mm	2.2 µm	Using Countercord Measuring Machine by Comparison method
14.	Flank Angle[$]	Up to 60°	2.0'	Using Countercord Measuring Machine by Comparison Method
15.	Taper Thread Plug Gauge[$] (Effective Dia & Major Dia)	2 mm to 30 mm	2.2 µm	Using FCDM, Cylindrical Setting Master & Thread Measuring Wire by Comparison Method
	Taper Thread Plug Gauge[$] (Taper Angle)		9"	
	Taper Thread Plug Gauge[$] (Effective Dia & Major Dia)	>30 mm to 300 mm	4.0 µm	Using CMM by Comparison Method
	Taper Thread Plug Gauge[$] (Taper Angle)		12"	

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Sl.	Quantity Measured / Instrument	Range/Frequency	*Calibration Measurement Capability (±)	Remarks
16.	Taper Thread Ring Gauge[$] (Effective Dia)	25 mm to 300 mm	3.4 µm	Using CMM by Comparison Method
	Taper Thread Ring Gauge[$] (Taper Angle)		12"	
17.	Plain Taper Plug Gauge[$] (Diameter)	30 mm to 300 mm	3.3 µm	Using CMM by Comparison Method
	Plain Taper Plug Gauge[$] (Taper Angle)		12 "	
18.	Plain Taper Ring Gauge[$] (Diameter)	50 mm to 300 mm	3.6 µm	Using CMM by Comparison Method
	Plain Taper Ring Gauge[$] (Taper Angle)		15 "	
II.	**DIMENSION (PRECISION INSTRUMENTS)**			
1.	Floating Carriage Diameter Measuring Machine Micrometer Head[$] L.C.: 0.2 µm	0 to 25 mm	3.0 µm	Using Gauge Block by Comparison Method

*** Measurement Capability is expressed as an uncertainty (±) at a confidence probability of 95%**
[$]Only in Permanent Laboratory

Sangeeta Kunwar
Convenor

Avijit Das
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