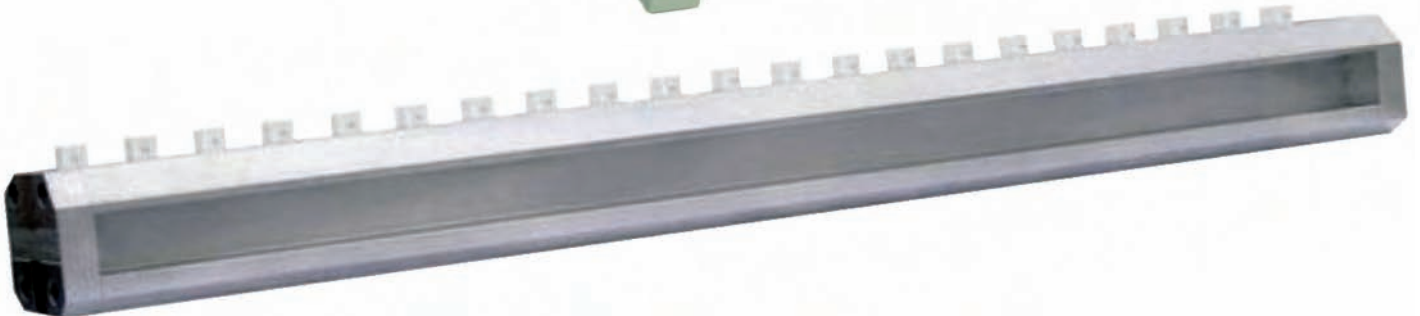


# Gauge Block & Step Gauge

Reference Standards for Calibration Laboratory





**Standard sets available :** Grade 'K', 'O', 'I' and 'II' as per ISO 3650 / IS 2984, DIN, 861 & BS 4311

### Tungsten Carbide Slip Gauges

Octagon Tungsten Carbide Slip Gauges are manufactured from specially selected grade of Carbide with hardness of 1500 Vickers. Rigid attention is paid throughout the manufacturing process for flatness, parallelism and every slip gauge is rigorously checked and calibrated in our NABL accredited laboratory. Octagon offers long range of Tungsten Carbide Slip Gauge Sets in different Grades. Sets in Grade '00', 'K', 'O', 'I' and 'II' are manufactured as per IS : 2984, DIN : 861 & BS : 4311 for metric sies. Sets in inch sizes are also manufactured in Reference, Calibration, Inspection & Workshop grades as per BS-888.

**Features**

- Slip Gauges are manufactured from specially selected grade of Carbide with hardness of 1500 Vickers.
- Sets in grade 'K', 'O', 'I' and 'II' as per ISO 3650 / IS 2984, DIN, 861 & BS 4311
- Sets available in metric and Inch
- Ability to Wring
- Resistance to Wear
- Dimensional Stability
- Resistance to Corrosion
- Economy

Metric Sets		Imperial Sets	
Set of 122	Pieces (M122)	Set of 81	Pieces (E81)
Set of 112	Pieces (M112)	Set of 41	Pieces (E41)
Set of 88	Pieces (M88)	Set of 36	Pieces (E36)
Set of 47	Pieces (M47)	Set of 9	Pieces (E9)
Set of 46	Pieces (M46)	Set of 2	Pieces (E2)
Set of 36	Pieces (M32)		
Set of 2	Pieces (M2)		

### Caliper Checker/ Precision Step Gauges

**Features**

Precision Step Gauge may also be known as standard reference master, caliper checker or check master. They are named so because it has the ultimate accuracy and is used as the standardised artifact. Precision Step Gauge are available with nominal 10mm step size with accuracy of 10mm pitch <math><1\mu\text{m}</math> and overall accuracy <math><2.5\mu\text{m}</math> / meter. Step gauge provides a economical and effective way of assessing the performance of a Co-ordinate Measuring Machine (CMM), precision height gauges or other length measuring tasks. Caliper checker is a another model of step gauge designed specifically to check accuracy of main scale of vernier callipers and vernier or digital height gauges, a step size of 50mm is designed to verify accuracy of callipers at regular intervals throughout the range which meets the requirements of IS standards. The step gauges is sufficiently rigid and consists of stepped slip gauges permanently fixed in inner casing.



Caliper Checker

Range in mm	Height measurement	External measurement	Internal measurement
0-300	370	300	300
0-600	670	600	600
0-1000	1070	1000	1000



Precision Step Gauges

Range in mm	Cumulative Step Accuracy per 10mm	Overall Accuracy
600 mm	<math><\pm 1.0\mu\text{m}</math>	<math><\pm 1.5\mu\text{m}</math>
1000 mm	<math><\pm 1.0\mu\text{m}</math>	<math><\pm 2.5\mu\text{m}</math>