

MICROMETER CHECKER



▼ Features:

- Best suitable for quick and reliable calibration of 0-25 mm External Micrometer.
- Consist of Gauge Blocks fixed in precisely manufactured vertical stand.
- The Micrometer Checker is available in Grade 0, Grade 1 and Grade 2.

Available Models

Type of set	Size
M-10 (Metric)	2.5,5.1,7.7,10.3,12.9,15,17.6, 20.2,22.8 & 25 mm
M-8 (Metric)	3.1,6.5,9.7,12.5,15.8,19,21.9 & 25 mm
E-8 (Imperial)	0.13 ",0.25",0.5",0.615",0.75",0.87" & 1"

INTERNAL MICRO CHECKER



▼ Features:

- Best suitable for Calibration and Zero setting of Internal Micrometers up to 600 mm range.
- Available in Tungsten Carbide and Steel.
- Comprises of permanently wrung high-grade super finished Gauge Blocks of specially selected material from Alloy Steel and Tungsten Carbide for greater wear resistance and superior surface finish.

Models In Tungsten Carbide and Steel

Range	Measuring steps	Accuracy(±)
300	0,25,...300 ..step 25	0.003
600	0,25,...600 step 25	0.005

* All figures in mm.

DIAL SNAP GAUGES



▼ Features:

- Offers High Precision Dial Snap Gauge for quick and precise comparative measurement of external diameters up to 200 mm range.
- Best suitable for inspection of Continuous / Batch production items.
- Setting is done with the help of Gauge Block / Cylindrical Setting Masters.
- Measuring faces are provided with Tungsten Carbide Material for greater wear resistance.
- Parallelism of measuring faces is within 0.003 mm up to 200 mm range.
- Any standard Dial Indicator with ø8 mm holding shank can be fitted easily.

CARBIDE PLUG GAUGES



▼ Features:

- Offers Carbide Plug Gauges with GO member in Carbide and NOGO member in Steel. NOGO member can be supplied in Carbide as per requirement.
- Manufactured from special grade of Tungsten Carbide and Alloy Steel for greater wear resistance.
- Supplied as per customers requirement for special length.
- Supplied with proper marking of GO and NOGO sizes, NOGO identification.

Available Range and Types

Range in mm	5-8	8-40	40-60	60-350
Type	Reversible	Taper Shank	Tri Lock	Plate

DIAL GAUGE COMPARATOR STAND



▼ Features:

- Manufactured in 3 types
 - 1.0-150 mm with Fine adjustment
Specifications:
Mounting Hole: ø 8 mm, ø28 mm & ø30mm.
Work Table: ø60 mm Steel / Carbide (Plain / Serrated).
 2. 0-200 mm with Micro Fine adjustment
Specifications:
Mounting Hole: ø8 mm.
Work Table: a) 60x60 x6 mm in Carbide(Plain / Serrated)
b) 80x80x16mm in Steel (Plain / Serrated)
 3. 0-300 mm with Micro Fine adjustment
Specifications:
Mounting Hole: ø8 mm.
Work Table: a) 60x60x 6 mm in Carbide(Plain / Serrated)
B) 80x80x16mm in Steel (Plain / Serrated)
- Also supplied spare comparator base in Carbide / Steel, lapped to the required flatness accuracy in following sizes.
 1. ø60 x 6 mm (Plain / Serrated)
 2. ø80 x 8 mm (Plain / Serrated)
 3. 60 x60 x 6 mm (Plain / Serrated)

RING GAUGES



▼ Features:

- Offered Tungsten Carbide Ring Gauges with GO member in Carbide and NOGO member in Steel.
- NOGO member can be supplied in Carbide as per requirement.
- Undertakes manufacturing of special length Ring Gauges as per customer requirement.
- Manufactures in Carbide for 6-60mm range & in Steel 6-100mm range.
- Supplied with proper marking of GO and NOGO sizes, NOGO identification.

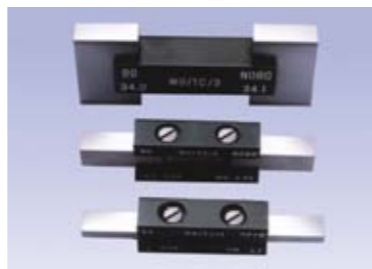
SNAP GAUGE



▼ Features:

- Offers selection of Snap Gauges from Tungsten Carbide / Steel material from 1-300 mm range as per standard in single ended design.
- Also supplied as per customer requirement for checking of length & Groove Diameter etc.
- Also offered in double ended as per requirement.
- Supplied with proper marking of GO and NOGO sizes.

WIDTH GAUGES



▼ Features:

- Best suitable for checking of groove width.
- Standard supply is with reversible type design.
- Also manufactures as per customers requirements.
- Available in Carbide & Steel Material.
- Supplied with proper marking of GO and NOGO sizes, NOGO identification.

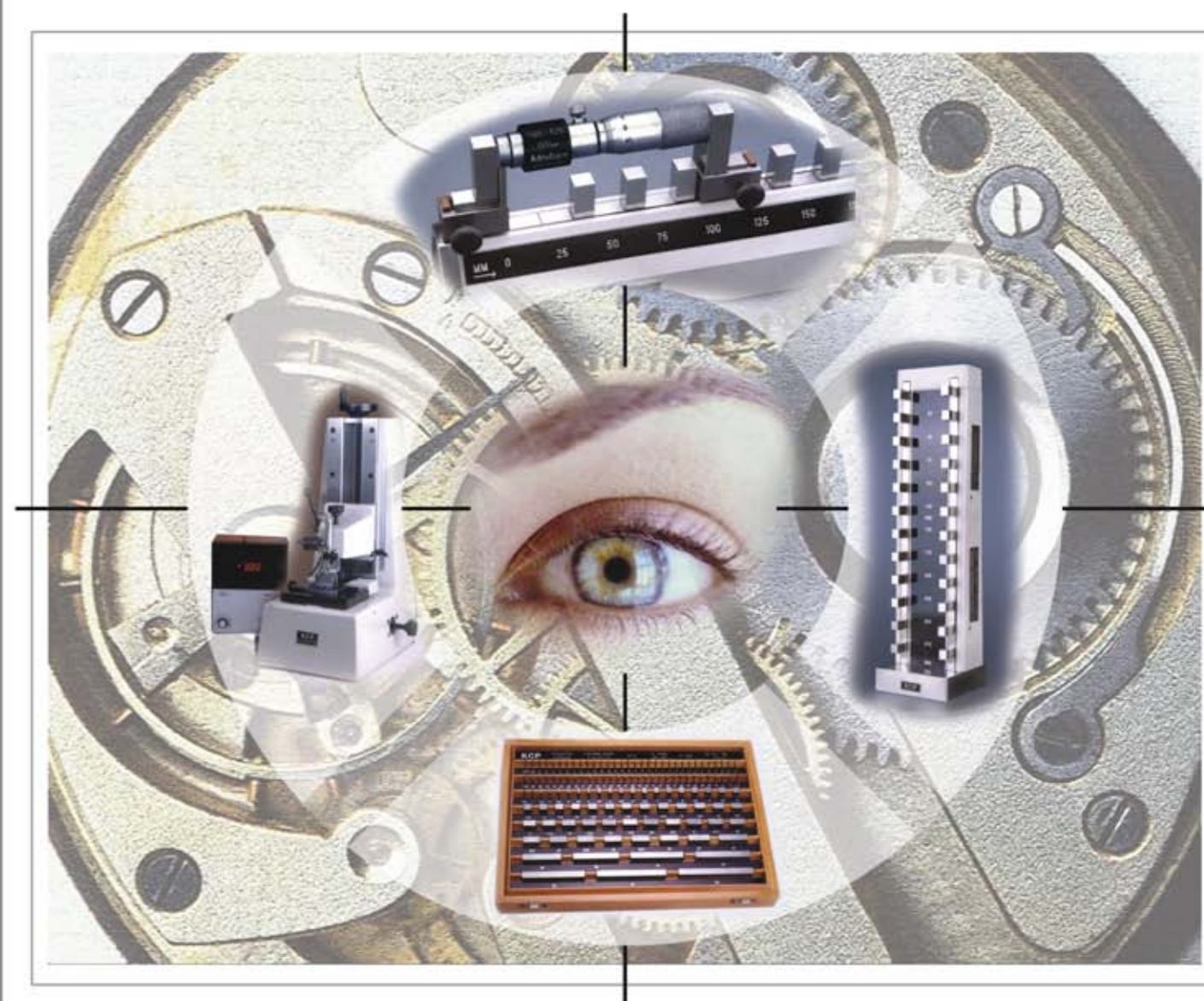
CARBIDE MEASURING PINS



▼ Features:

- Offers Carbide Pins from 0.5-10mm in 'Gr. 1' (Mfg. Tol +/- 0.001mm) & 'Gr. 2' (Mfg. Tol +/- 0.002mm) as per IS:11103 standard.
- Supplied in set / individual as per customer requirement.
- Also available in Steel from range 0.5-20mm.

* All Products Are Provided Along With Calibrations Certificates Traceable To National Standards.



An ISO 9001:2000 Company
Lab Accredited By NABL
As Per ISO 17025:2005

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Life Needs Precision!

GAUGE BLOCKS (TUNGSTEN CARBIDE/STEEL/CERAMIC)



▼ Features:

- K C Precision offers wide range of gauge blocks from Tungsten Carbide, Steel and Ceramic material, covers all grades of Gauge Blocks (i.e. Grade 00, Grade K, Grade 0, Grade 1 & Grade 2) as per IS/ISO/DIN/BS Standard's specification in Metric and Imperial.
- Offers in Standard / Non Standard sizes, manufactures sizes as per customers requirements, also offers individual Gauge Blocks.
- Wear Protectors and Gauge Blocks required for Calibration of Micrometers are also offered.
- KcP make Gauge Blocks are made from special grade of Tungsten Carbide / Alloy Steel for greater wear resistance and to produce superior surface finish.
- Manufactured by specially developed techniques to achieve the excellence in characteristics required of gauge blocks.
- All Gauge Blocks are supplied in quality wooden casing along with calibration certificate traceable to National Standards and Instruction manual on the Use and Care of gauge Blocks.

○ Standard Sets offered are:

Type Of Metric Sets	No. Of Gauge Blocks	Type of Imperial Sets	No. Of Gauge Blocks
M122/1	122 Nos.	E 81	81 Nos.
M112/1	112 Nos.	E 41	41 Nos.
M103/1	103 Nos.	E36	36 Nos.
M88/1	88 Nos.	E9	9 Nos.
M47/1	47 Nos.	E2	2 Nos.
M46/1	46 Nos.		
M32/1	32 Nos.		
M9/1	9 Nos.		
M2/1	2 Nos.		
M2/2	2 Nos.		

All Sets from Metric are also offered in 2 mm base size.

GAUGE BLOCK CALIBRATOR (COMPUTERIZED)

▼ Features:

- Rigid and very precise instrument useful for quick & reliable calibration of Gauge Blocks from 0.5 to 200 mm as per ISO/DIN/BS standard in Metric / Imperial.
- Best suitable for calibration of all grades of Gauge Blocks (i.e. Grade 00, Grade K, Grade 0, Grade 1 & Grade 2)
- Measurement with the help of two LVDT probes (Top & Bottom), contacts both the faces of Gauge Block allows differential measurement, which gives most accurate results.
- Specially developed user-friendly software suitable for calibration in Metric & Imperial. Measurement not influenced by manual forces.
- No Zero Setting required, compares the difference in length of Master and Test Gauge Block, adds arithmetically the deviation of Master Gauge Block taking in to account expansion in length due to temperature, difference from standard temperature, expansion in length due to difference in material of Master and Test Gauge Block and Deformation factor.
- Quick results for selection of Grade, Center deviation & Parallelism.
- Supplied with calibration certificate traceable to National Standards & Instruction Manual on the Use & Care of Gauge Block Calibrator.
- Also Supplied in Manual Version of Gauge Block Calibrator (Manual Evaluation of Measuring Values).

Technical Specifications:

- Measuring Range: 0.5-200 mm
- Work Table: 60 X 60 mm (Tungsten Carbide)
- Measuring Inconsistency: $\pm 0.02 \mu\text{m}$
- Locating bore for LVDT probe: 8 mm
- Weight: 45 kg



LONG SERIES GAUGE BLOCKS



▼ Features:

- Offered from range 100 mm to 500 mm in Grade K, Grade 0, Grade 1 & Grade 2 as per ISO 3650 / DIN 861 standard.
- Offered in standard sets as well as Individual Standard / Non Standard size.
- Manufactured from special grade of Alloy Steel for greater wear resistance and to produce superior surface finish.
- Holes are provided to both ends of Gauge Blocks for combinations with the help of Gauge Block Clamp.
- All Gauge Blocks are supplied in quality wooden casing along with calibration certificate traceable to National Standards and Instruction Manual on the Use and Care of Gauge Blocks.

○ Standard Metric Gauge Block Set

Type of set	Sizes in mm	Qty.
M 8	125,150,175,200,250,300,400 & 500	8 nos.

LENGTH BARS



▼ Features:

- Offered from range 100 to 500 mm in 'Reference Grade', 'Calibration Grade', 'Inspection Grade' and 'Workshop Grade' as per IS: 7014 standard.
- Also offered as per ISO: 3650 / DIN 861 standard in Grade K, Grade 0, Grade 1 & Grade 2.
- Manufactured from the same special alloy steel used for Gauge Blocks, offered in 22 mm dia. from range 25 to 500 mm in steps of 25 mm.
- 'Calibration Grade', 'Inspection Grade' and 'Workshop Grade' are provided with internal threaded holes to both the ends for combinations with the help of studs.
- Reference grade length bars are used as a master and with plain ends for highest accuracy.
- Also offered in 12 mm dia from range 25 to 500 mm in steps of 25 mm which can be used as Micrometer Setting Standards.
- Supplied along with Calibration Certificate traceable to National Standards and Instruction Manual on the Use and Care of Length Bars.

ANGLE GAUGES



▼ Features:

- Basic Standard for angular measurement, being used for inspection & calibration of angles, tapers, indexing plate, rotary scale/table, dividing head, clinometers etc.
- Manufactured as per IS: 6231 of 1971 in Steel & Carbide material.
- Offered in Standard/Non Standard angles, individual angles & custom make angles.
- Supplied in quality wooden casing with calibration report.

Standard Sets offered:

Type of set	Size
SET A (13 Pieces Set)	1, 3, 9, 27 & 41 Degrees (01 No. Each) 1, 3, 9 & 27 Minutes (01 No. Each) 6, 18 & 30 Seconds (01 No. Each) Precision Square Block (01 No. Each)
SET B (15 Pieces Set)	1, 3, 5, 15, 30 & 45 Degrees (01 No. Each) 1, 3, 5, 20 & 30 Minutes (01 No. Each) 6, 12 & 30 Seconds (01 No. Each) Precision Square Block (01 No. Each)

* All figures in mm.

GAUGE BLOCK ACCESSORIES



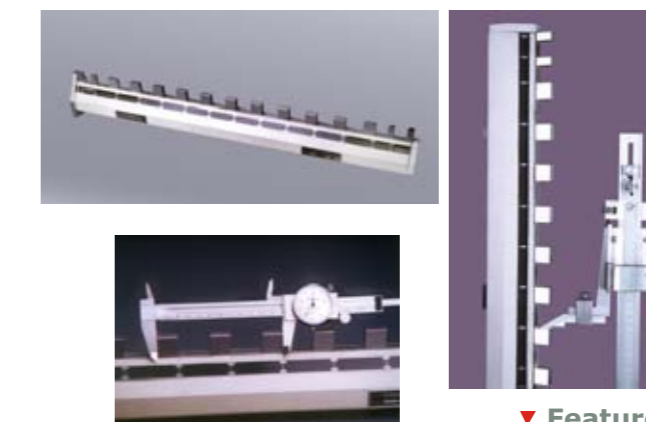
▼ Features:

- Extended the use of Gauge Blocks & designed to utilize the accuracy of Gauge Blocks in production & Inspection.
- Enables quick & easy assembly of precision Measuring Equipments or Gauges as required for most accurate measurement & saves the user from repetitive expenditure on gauges.
- Best suitable for: i) Setting of Internal & External measurement of gauges
ii) Setting of Bore Gauges
iii) Height Marking
iv) Graduation Marking etc.
- Wear parts manufactured in Carbide, supplied in quality wooden casing along with Calibration Certificate traceable to National Standards & Instruction Manual on the Use & Care of Gauge Block Accessories.
- Manufactured as per IS:4440 Standard, offers in two types i) 7Pcs ii) 16pcs.

Available Sets Of Gauge Block Accessories:

Description	7 Pcs	16 Pcs
Base (Steel)	01	01
Tungsten Carbide Scriber	01	01
Tungsten Carbide Tipped Centre Point	-	01
Tungsten Carbide Large Measuring Jaw	02	02
Tungsten Carbide Parallel Measuring Jaw	-	01
Tungsten Carbide '2.5 mm' Radius Jaw	-	02
Tungsten Carbide '5 mm' Radius Jaw	-	02
Tungsten Carbide '6 mm' Radius Jaw	-	02
Holder (Steel) '0-50 mm'	01	01
Holder (Steel) '50-100 mm'	01	01
Holder (Steel) '100-200 mm'	01	01
Holder (Steel) '200-300 mm'	-	01

CALIPER CHECKER



▼ Features:

- Best suitable for Calibration of Vernier Calipers and Vernier Height Gauges of all types (Mechanical / Dial / Digital) up to 1 meter.
- Available in Tungsten Carbide and Steel.
- Comprises of permanently wrung high-grade super finished Gauge Blocks of specially selected material from Alloy Steel and Tungsten Carbide for greater wear resistance and superior surface finish.

○ Models In Tungsten Carbide and Steel

Range	External Measurement	Internal Measurement	Height Measurement	Accuracy (\pm)
300	360	300	360	0.003
600	660	600	660	0.005
1000	1060	1000	1060	0.007

* All figures in mm.

DEPTH MICRO CHECKER



▼ Features:

- Best suitable for Calibration and Zero setting of Depth Micrometers up to 300 mm.
- Available in Tungsten Carbide and Steel.
- Comprises of permanently wrung high-grade super finished Gauge Blocks of specially selected material from Alloy Steel and Tungsten Carbide for greater wear resistance and superior surface finish.

○ Models In Tungsten Carbide and Steel

Range	Measuring steps	Accuracy (\pm)
150	0,25,...150 ..step 25	0.003
300	0,25,...300 step 25	0.005

* All figures in mm.