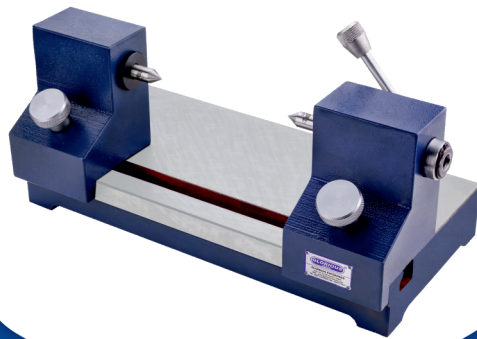




"Accuracy & Quality Is Identity Of Glorious"



PIONEERED MEASURING INSTRUMENTS FOR BEARING & AUTOMOTIVE COMPONENT MANUFACTURING INDUSTRY



ABOUT US

Glorious India was founded in 1980 with the goal of offering measuring solutions to the automotive and bearing sectors through a broad range of innovative products. We take great satisfaction in providing the automotive and bearing sectors with superior comparators and clamping collets. The company focused on producing measuring instruments to meet the unique needs of its primary customers.

We have been providing best experience and satisfaction to our customer through products for over 44 years. After a few years of planning, we are now able to supply fundamental components for the highest accuracy solutions available worldwide, as well as support customers in meeting specific needs.



OUR VISION

- ▶ Glorious Enterprise specializes in the design and manufacturing of advanced workholding and comparison solutions tailored for the bearing and automotive industries.
- ▶ Our vision is to persistently enhance and expand our supply of superior workholding solutions while pioneering innovative service approaches to our clients.
- ▶ We are committed to developing and revolutionizing production processes, aiming to achieve exceptional results and drive significant advancements in industry practices.



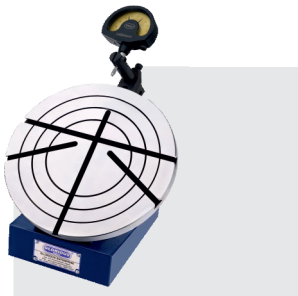
Our commitment to quality is reflected in our advanced technology and expert craftsmanship, ensuring accurate and reliable products. With **ISO 9001:2015** certification, we continuously enhance our processes to exceed customer expectations. Trust **Glorious** for high-quality, dependable solutions that drive precision and performance in your projects.

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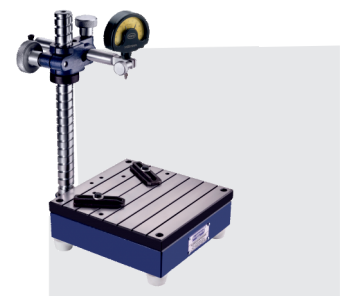
ID-OD Mech.
Comarator Gauge
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OD
Comparator Gauge
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Vertical
Comparator Gauge
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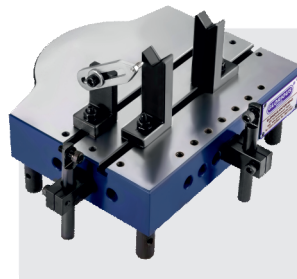
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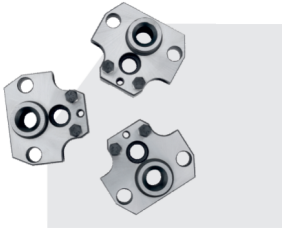


Taper Roller
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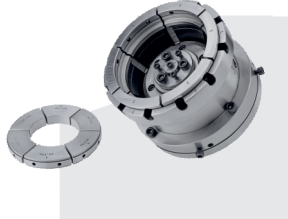
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Swell Jaw
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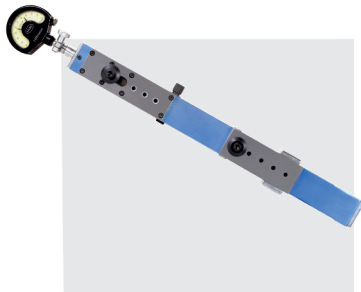


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Inner Clamping Collet
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3. Special Purpose Gauges



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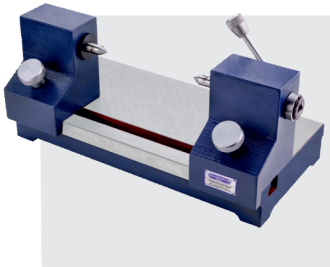


2-Point Bore Gauge
Page No. 27



3-Point Bore Gauge
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4. Bench Centers



Cast Iron Mini
Bench Centre
Page No. 30



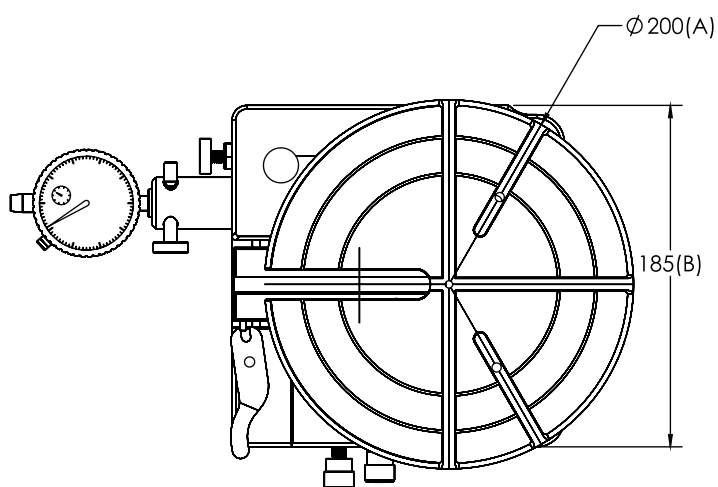
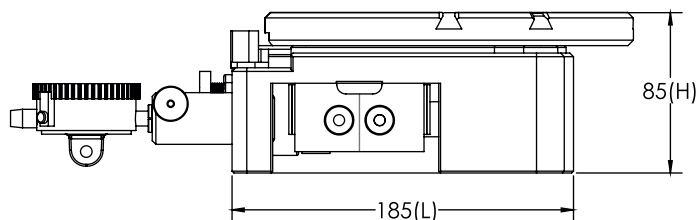
Cast Iron
Bench Center
Page No. 31

The background of the page is filled with various technical line drawings of mechanical comparators and measuring instruments. These include: a large circular dial indicator with a pointer and scale; a vertical comparator with a long threaded rod and a base; a horizontal comparator with a 45.00 degree angle indicated; a dial indicator with a circular scale and a needle; and several other smaller mechanical assemblies. Some drawings include dimension lines labeled (L) and (B).

COMPARATOR COLLECTION

GLORIOUS
INDIA

ID/OD Mechanical Comparator Gauge



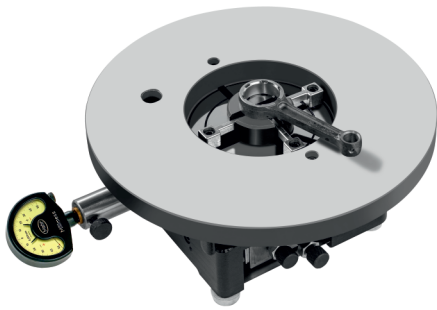
RANGE:

Model No.	GI-165	GI-200	GI-250	GI-300	GI-400	GI-500	GI-600	GI-700
Plate Diameter (A)	165mm	200mm	250mm	300mm	400mm	500mm	600mm	700mm
Outer Diameter Range	15mm to 145 mm	15mm to 180mm	15mm to 230mm	15mm to 280mm	15mm to 380mm	15mm to 465mm	15mm to 565mm	15mm to 665mm
Inner Diameter Range	10mm to 145mm	10mm to 180mm	10mm to 230mm	15mm to 280mm	50mm to 380mm	100mm to 465mm	100mm to 565mm	100mm to 665mm
Base Plate Hardness	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc
Base Box Dimensions (LxBxH)	185x185x85 mm	185x185x85 mm	185x185x85 mm	185x185x85 mm	260x260x85 mm	260x260x85 mm	260x260x85 mm	260x260x85 mm

FUNCTION

- ▶ The ID/OD Comparator measures Outside Diameter (OD) and Internal Diameter (ID) of cylindrical components.
- ▶ It evaluates ovality and squareness to end faces.
- ▶ Utilizes 2-point (90°) and 3-point (120°) measurement methods.
- ▶ Essential for ensuring dimensional accuracy in the automotive and bearing industries.
- ▶ Ensures adherence to strict quality standards.

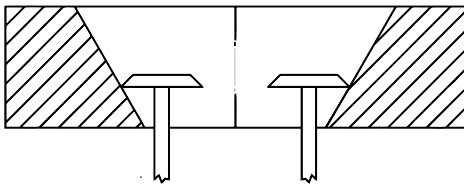
ROD ID Comparator



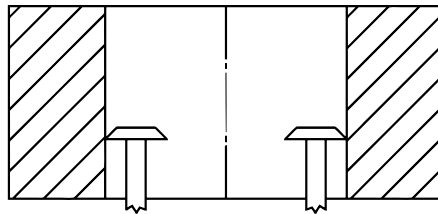
FUNCTION :

- ▶ It is used to measure eccentricity & ovality of connecting rod.

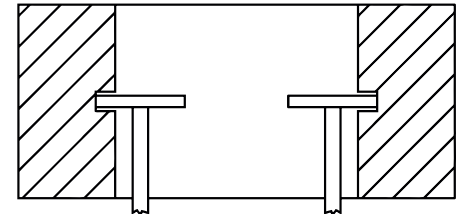
APPLICATION DRAWING :



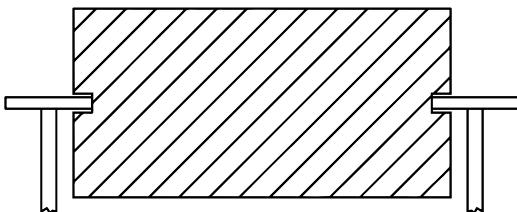
Taper ID



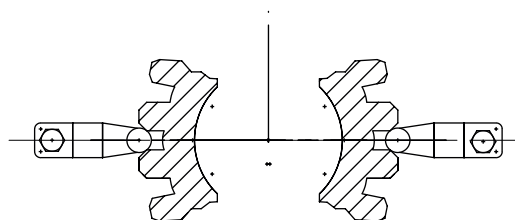
ID Measurement



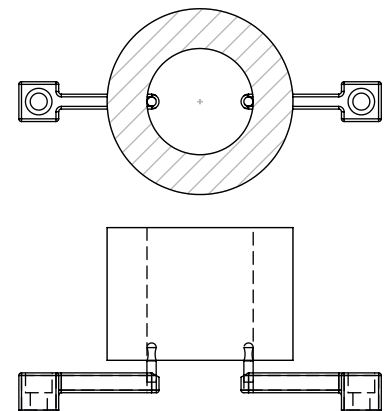
ID Groove



OD Groove

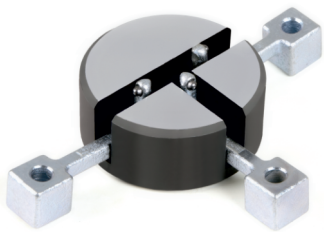


External Teeth



Small Bore

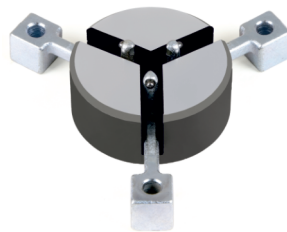
ACCESSORIES :



2-Point Attachment



2-Point Bore Checking

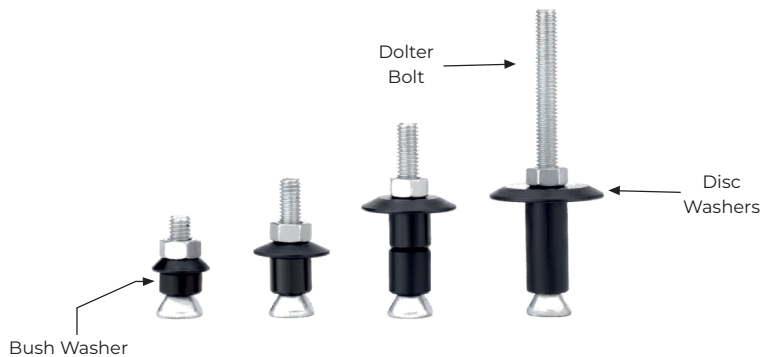


3-Point Attachment



3-Point Bore Checking

JAW KIT SIZE TABLE :



Jaw Kit

Bush Washer	Disc Washers	Dolter Bolt
0.7 mm	15 mm	20 mm
2 mm	20 mm	30 mm
3 mm	25 mm	45 mm
4 mm	30 mm	60 mm
6 mm		90 mm
8 mm		
10 mm		
12 mm		
16 mm		
20 mm		
25 mm		



Pin Point

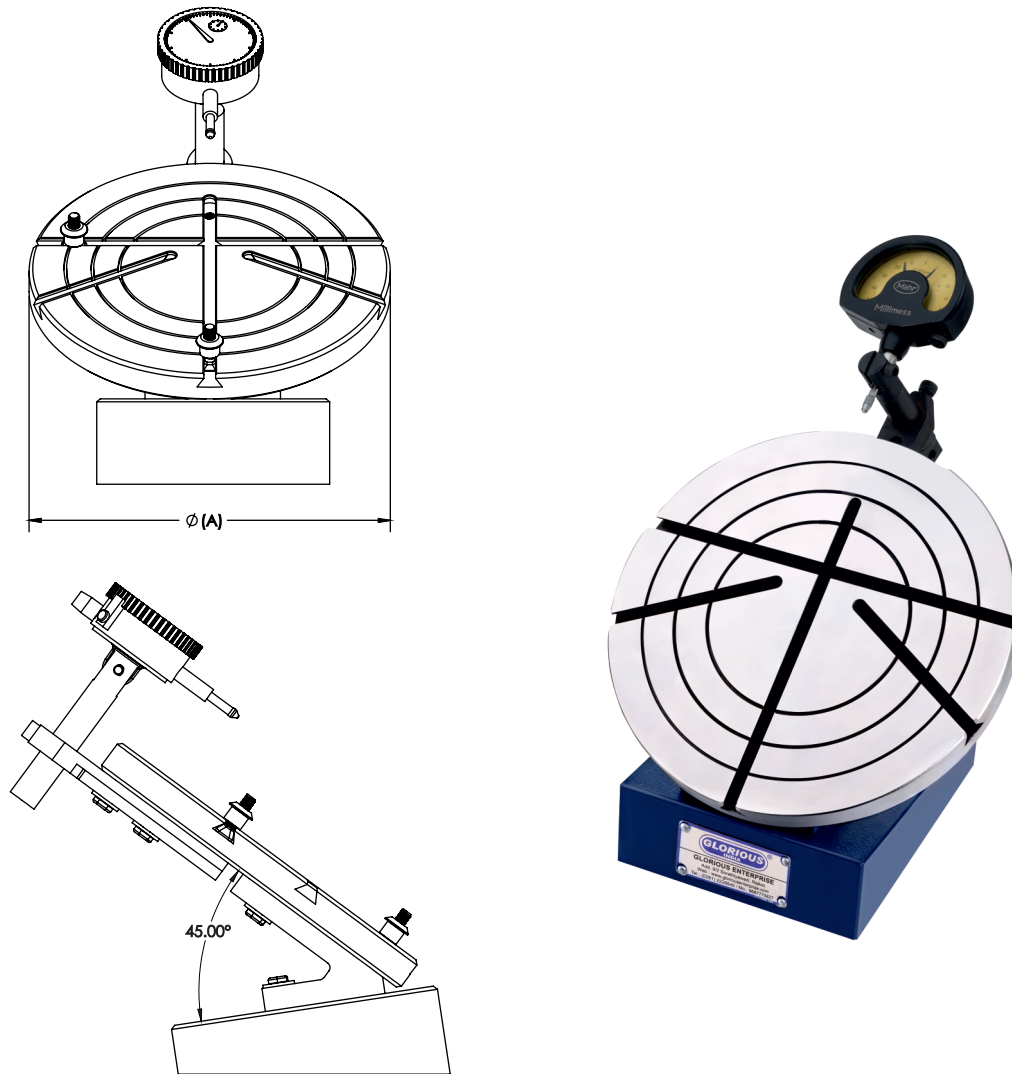


Sharp Point



Spherical Point

OD Comparator Gauge



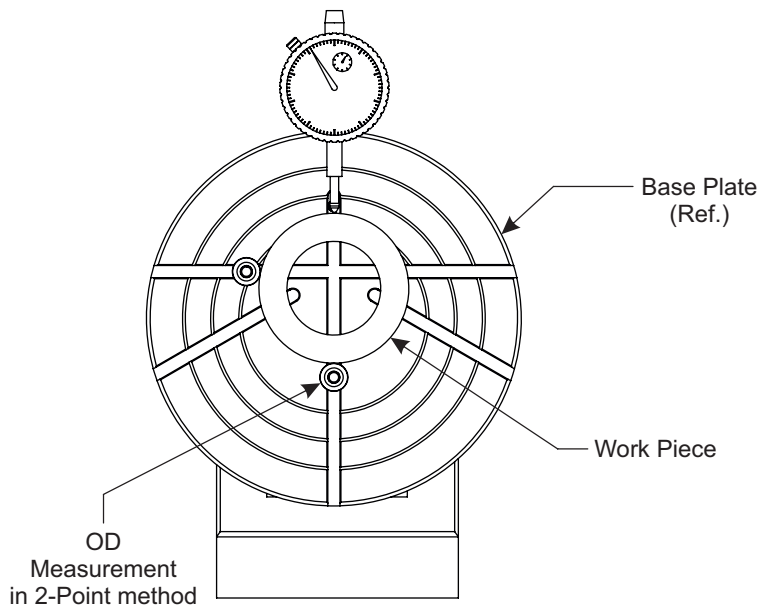
RANGE:

Model No.	GD-200	GD-250	GD-300	GD-400	GD-500
Base Plate Diameter (A)	200mm	250mm	300mm	400mm	500mm
Outer Diameter Range	180mm	230mm	280mm	380mm	465mm
Base Plate Hardness	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc

FUNCTION :

- ▶ An OD Comparator is employed for the precise evaluation and comparison of the Outside Diameter (OD) of cylindrical components.
- ▶ It facilitates the assessment of ovality and squareness to end faces using both 2-point (90°) and 3-point (120°) methodologies.
- ▶ This equipment finds extensive application in the automotive and bearing sectors, ensuring dimensional accuracy and compliance with strict quality standards in manufacturing processes.

APPLICATION DRAWING :

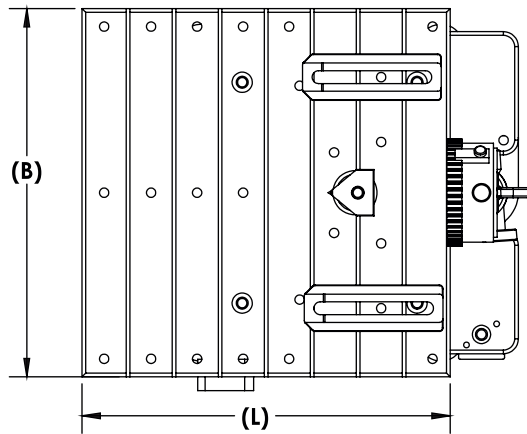
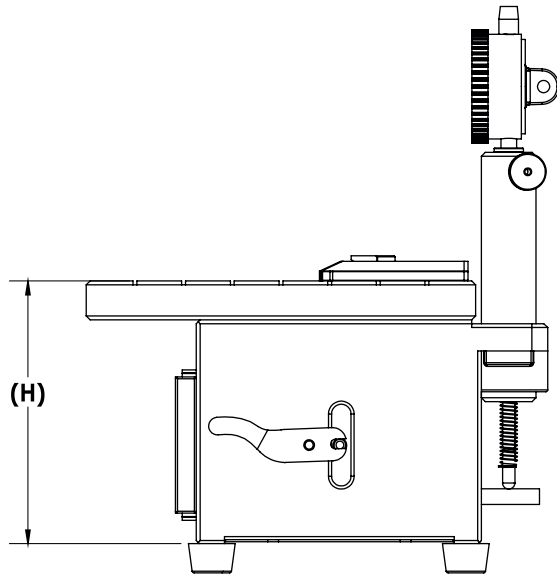


ACCESSORIES :



Jaw Kit

Vertical Comparator Gauge



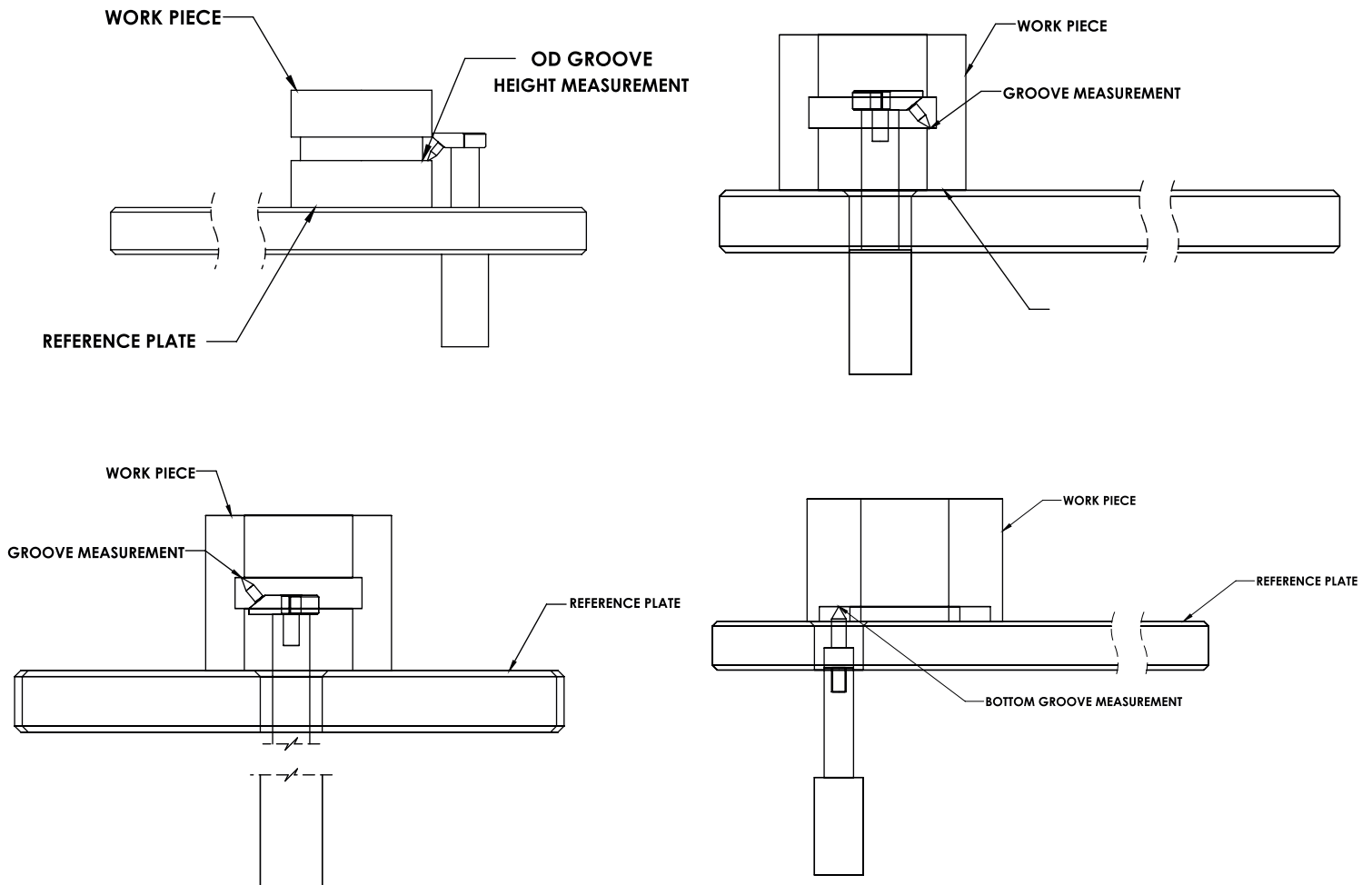
RANGE:

Model No.	GV-200	GV-250	GV-300	GV-400
Base Plate Size (LxBxH)	200x175x135 mm	250x250x135 mm	300x300x135 mm	400x400x135 mm
Base Plate Hardness	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc

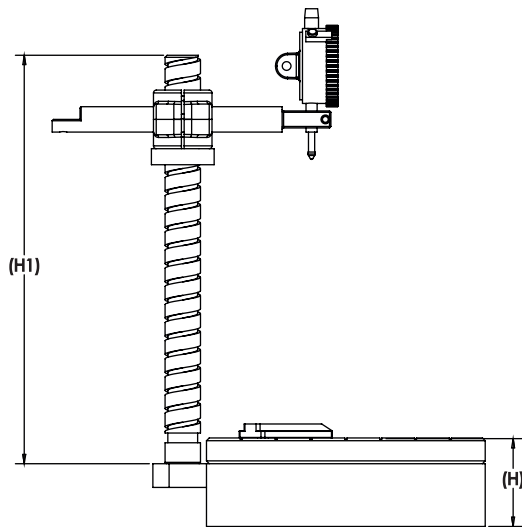
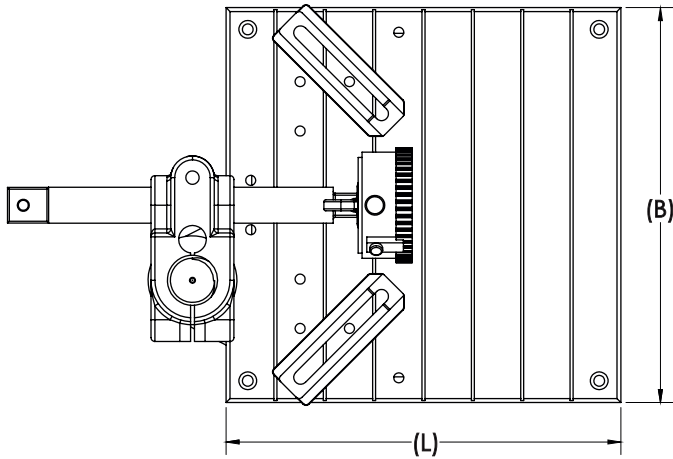
FUNCTION :

- ▶ Measurement of part Location.
- ▶ Measurement for track center ball bearing.
- ▶ It measures the height of both inner & outer grooves in various types of rings.

APPLICATION DRAWING :



C.I. Height Comparator Stand



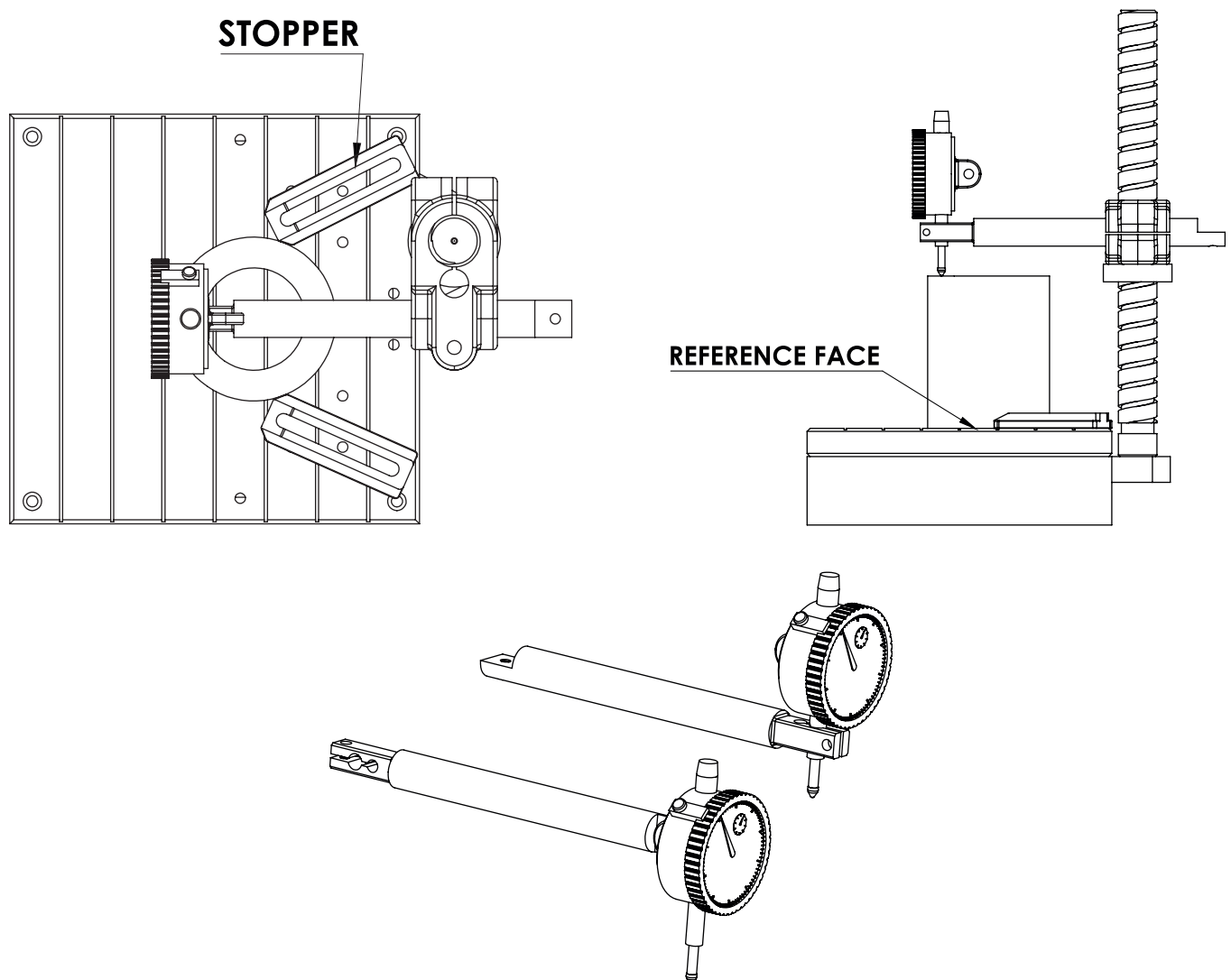
RANGE:

Model No.	GH-150	GH-200	GH-250	GH-300	GH-400	GH-500	GH-600
Base Plate Size (LxB)	150 x 150 mm	200 x 200 mm	250 x 250 mm	300 x 300 mm	400 x 400 mm	500 x 500 mm	600 x 600 mm
Column Height (H1)	250 mm	300 mm	300 mm	300 mm	300 mm	400 mm	400 mm
Base Plate Hardness	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc

FUNCTION :

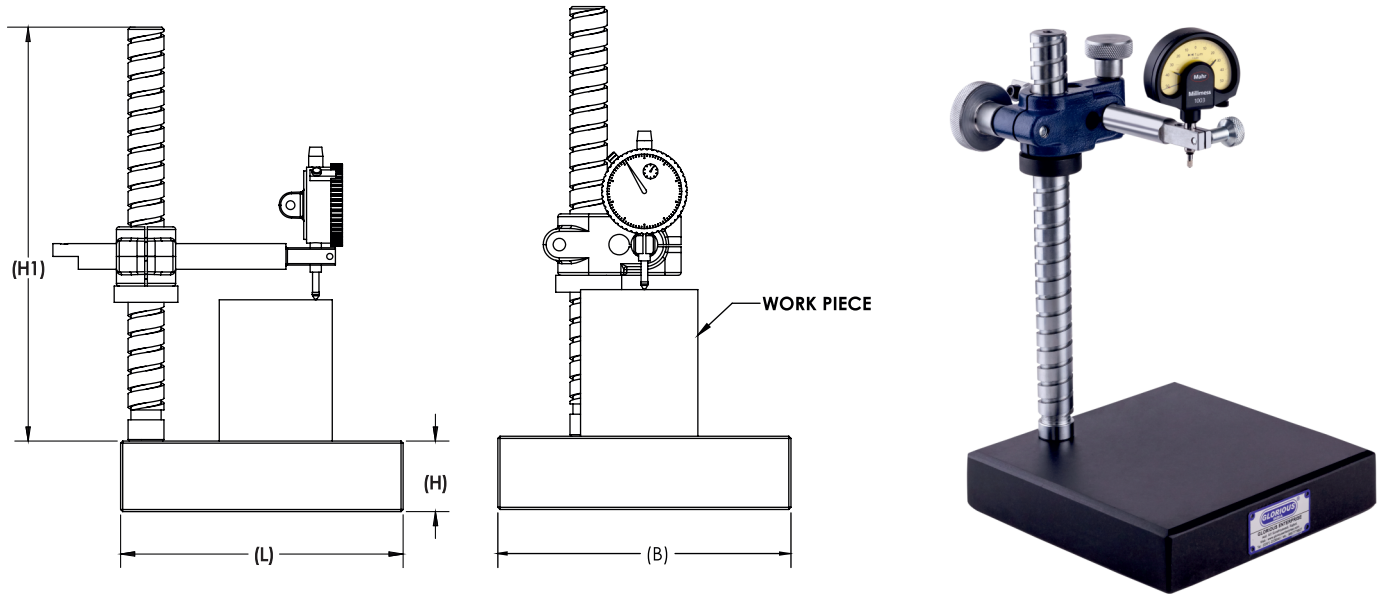
- ▶ The height comparator is utilized for precision comparative measurements of both height and width dimensions.
- ▶ It ensures precise assessment and comparison of critical dimensions in components, enhancing quality control and manufacturing accuracy.
- ▶ This equipment is essential in industries requiring precise dimensional measurements, crucial for product functionality and performance like manufacturing and engineering sectors.

APPLICATION DRAWING :



Dial Mounting Options

Granite Height Comparator Stand



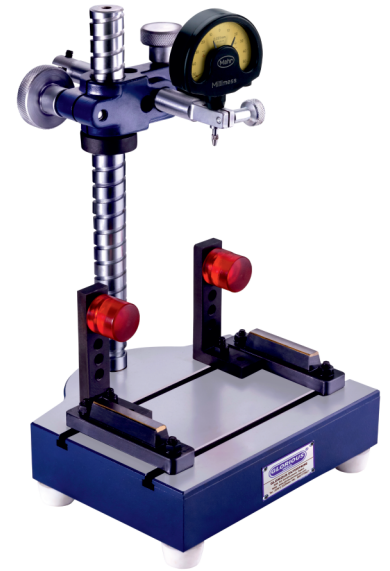
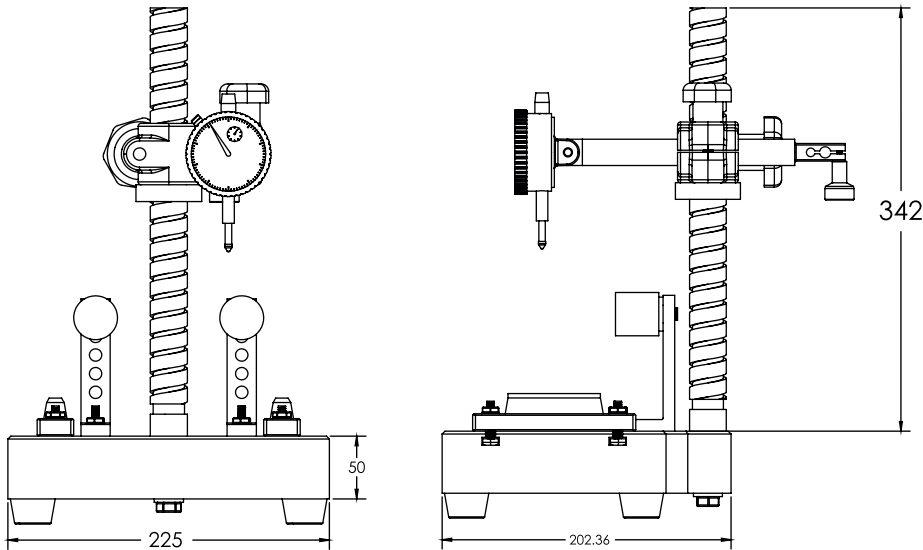
RANGE:

Model No.	GH-150	GH-200	GH-250	GH-300	GH-400	GH-500	GH-600
Base Plate Size (LxB)	150 x 150 mm	200 x 200 mm	250 x 250 mm	300 x 300 mm	400 x 400 mm	500 x 500 mm	600 x 600 mm
Column Height (H1)	250 mm	300 mm	300 mm	300 mm	300 mm	300 mm	300 mm
Base Plate Hardness	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc	58-62 Hrc

FUNCTION :

- ▶ Granite Height Comparator, we are supplier and manufacturer for those manufacturer who supply the object with height perfection and who deals with MNC companies
- ▶ Specialize for lab as per client requirement height comparator stand for measuring height and width on surface plate.
- ▶ Provides high dimensional accuracy for industries with strict quality and manufacturing requirements.

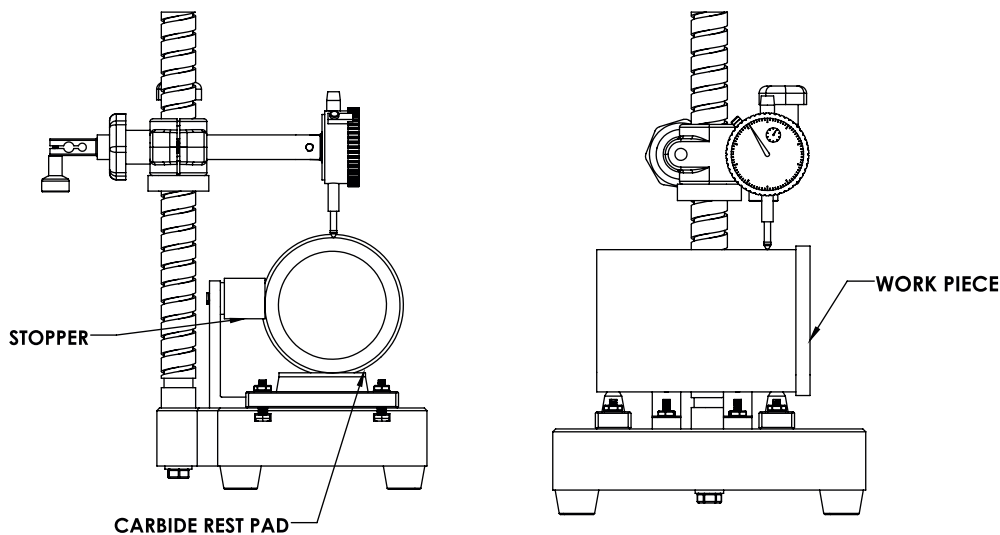
Sleeve Comparator Stand



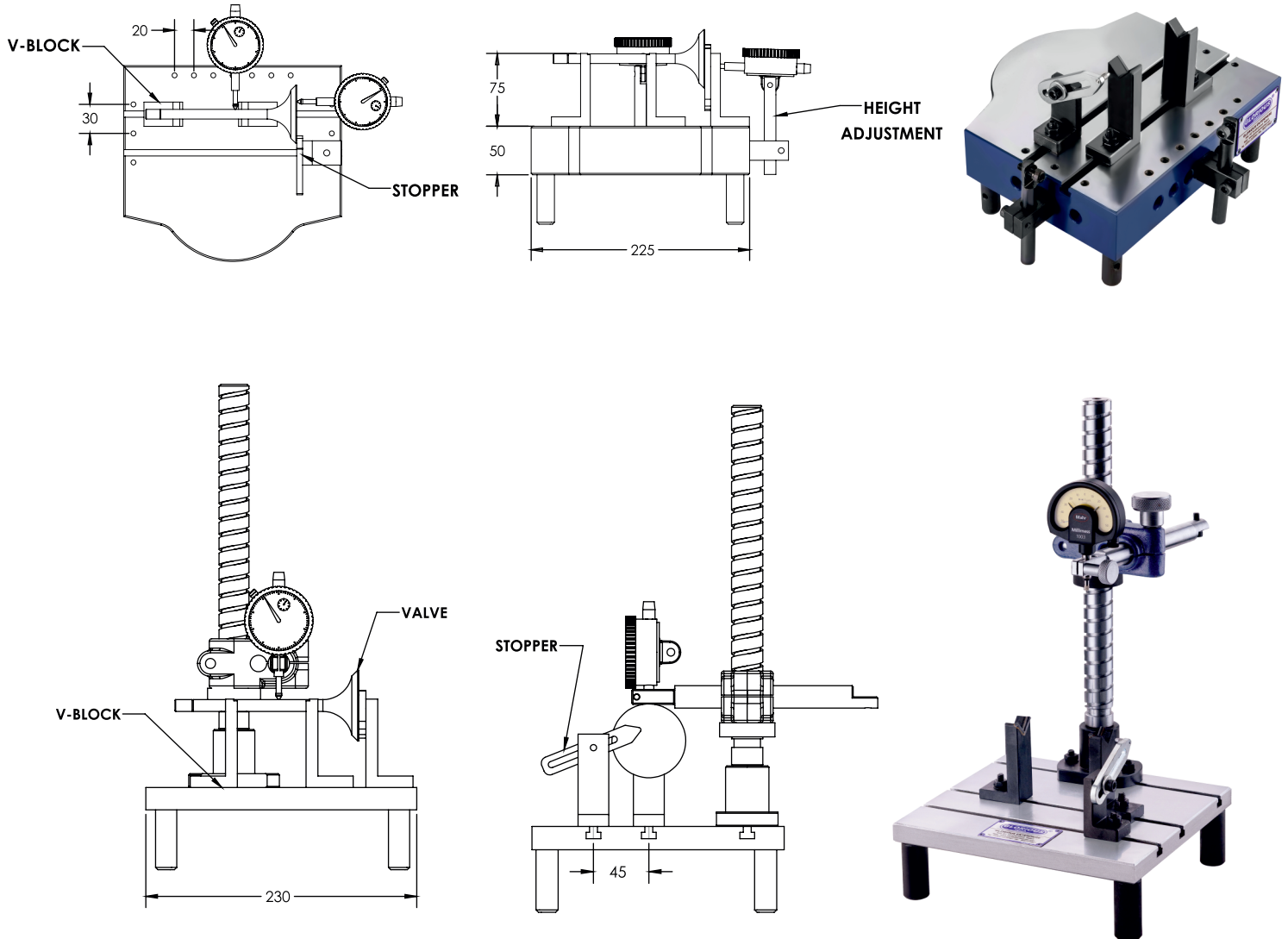
FUNCTION :

- ▶ It is used to compare sleeve ovality of OD (outer diameter) of components.
- ▶ This ensures precise assessment and measurement of circularity deviations in cylindrical parts, enhancing quality control and manufacturing precision.

APPLICATION DRAWING :



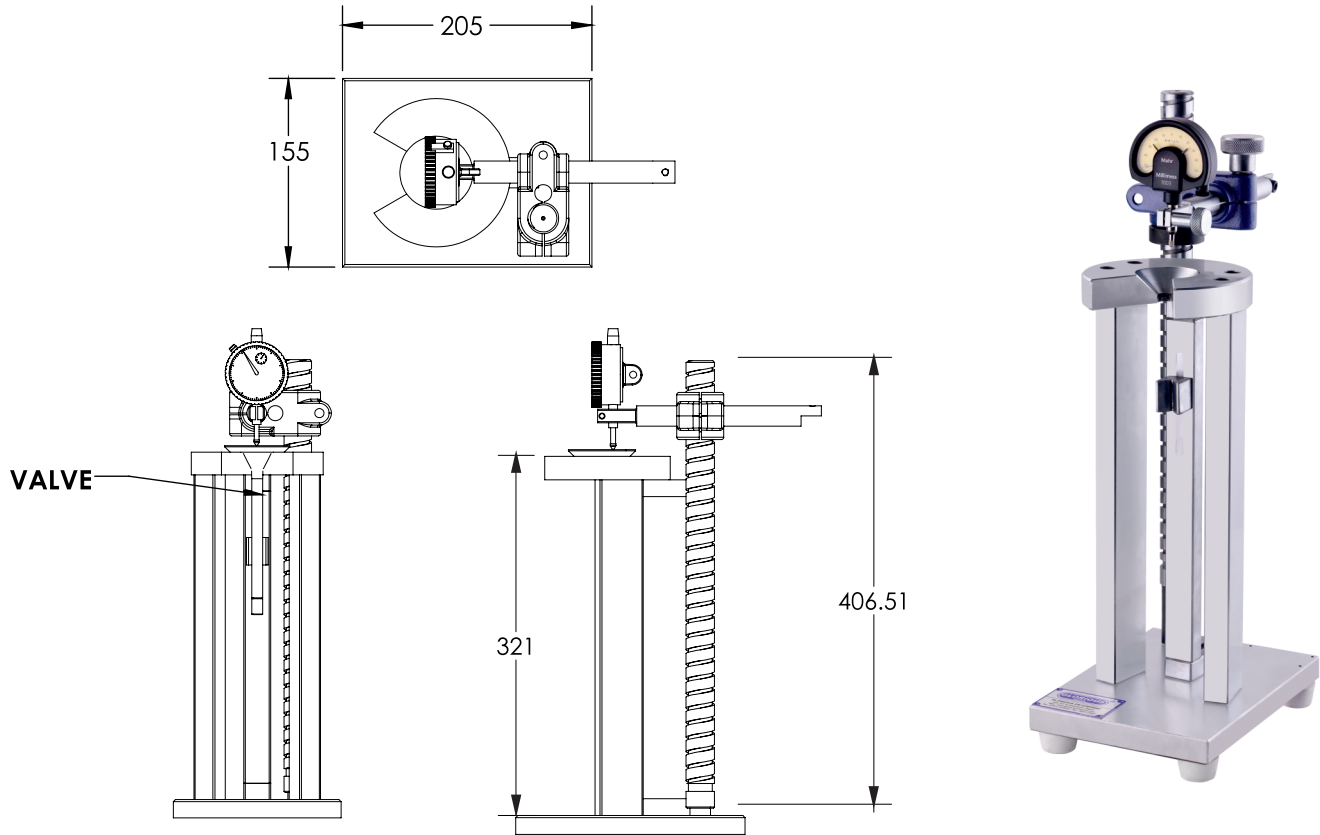
Valve Runout Comparator Gauge



FUNCTION :

- ▶ It is used to measure eccentricity & ovality of engine valve.
- ▶ This equipment accurately measures valve height, ensuring optimal engine performance and efficiency.

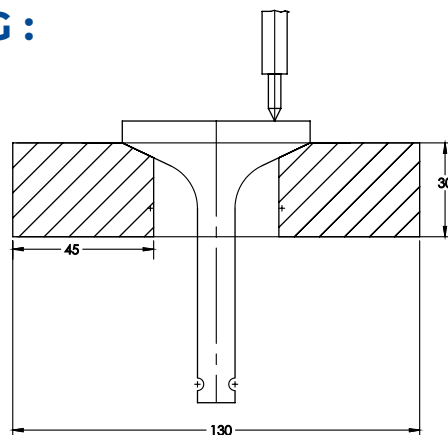
Seat Height Comparator Stand



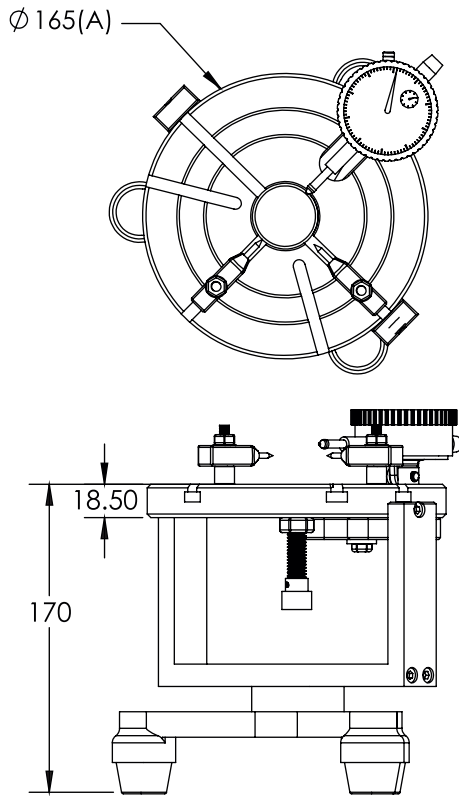
FUNCTION :

- ▶ Measures seat height of engine valves in the automobile industry.
- ▶ Ensures accurate determination of valve seat height.
- ▶ Critical for maintaining optimal engine performance and efficiency.

APPLICATION DRAWING :



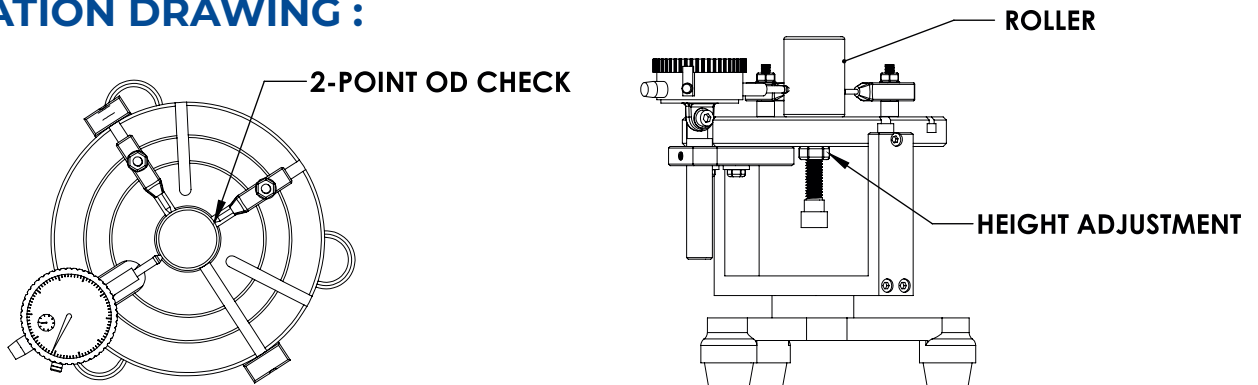
Roller OD Comparator Gauge



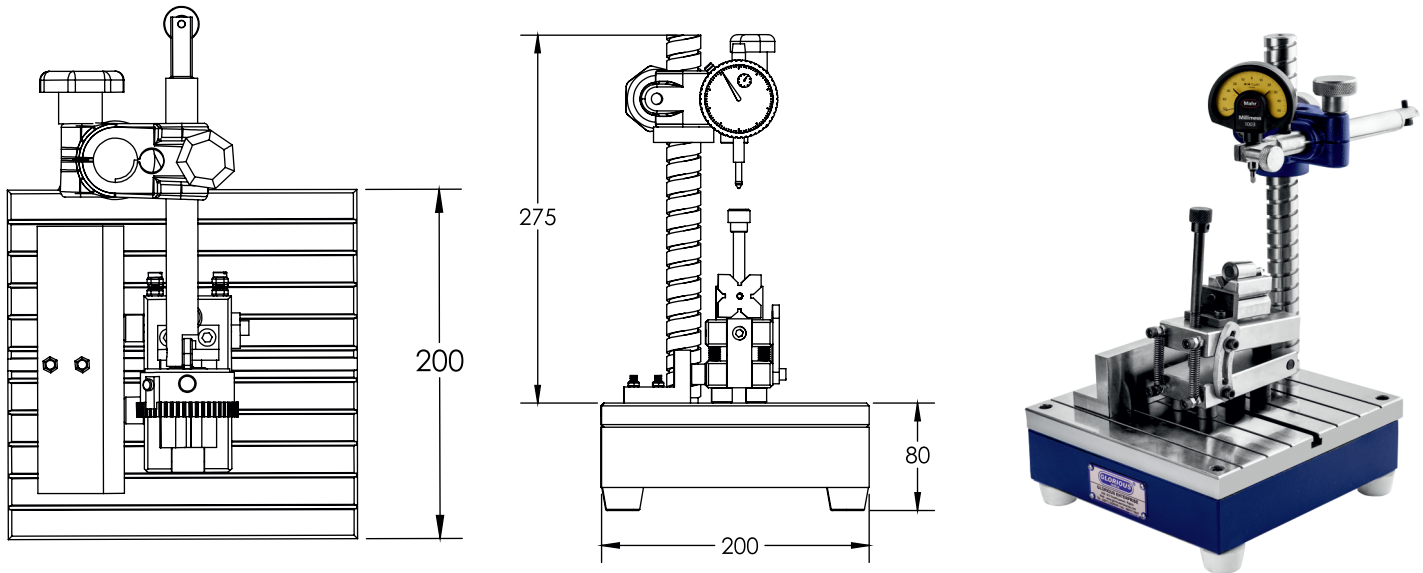
FUNCTION :

- ▶ It is used to check the dimensions of two-point and three-point taper rollers and needle rollers. This equipment ensures accurate measurement and comparison of critical dimensions, including diameter, taper angles and geometric tolerance.
- ▶ It is essential for quality control in manufacturing processes, particularly in the automotive and bearing industries.

APPLICATION DRAWING :



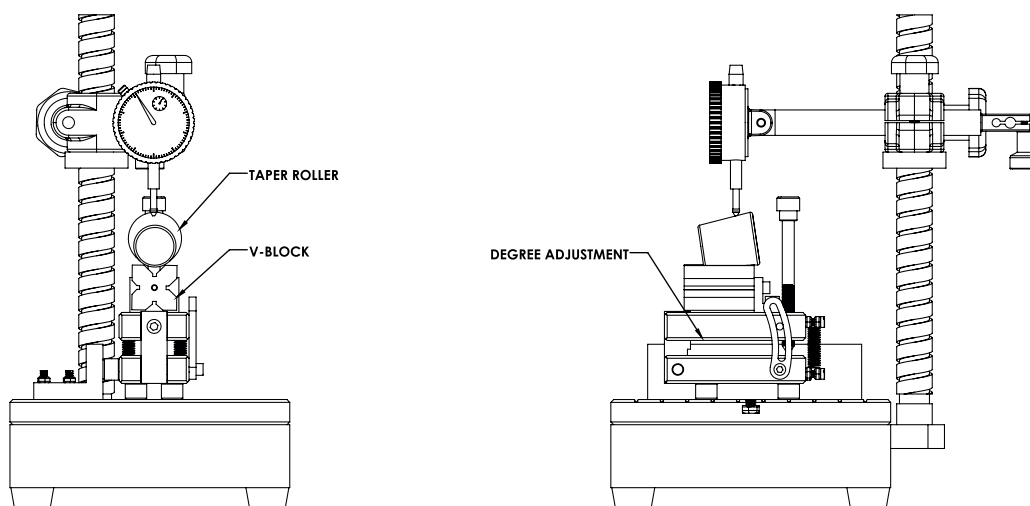
Taper Roller Comparator Stand



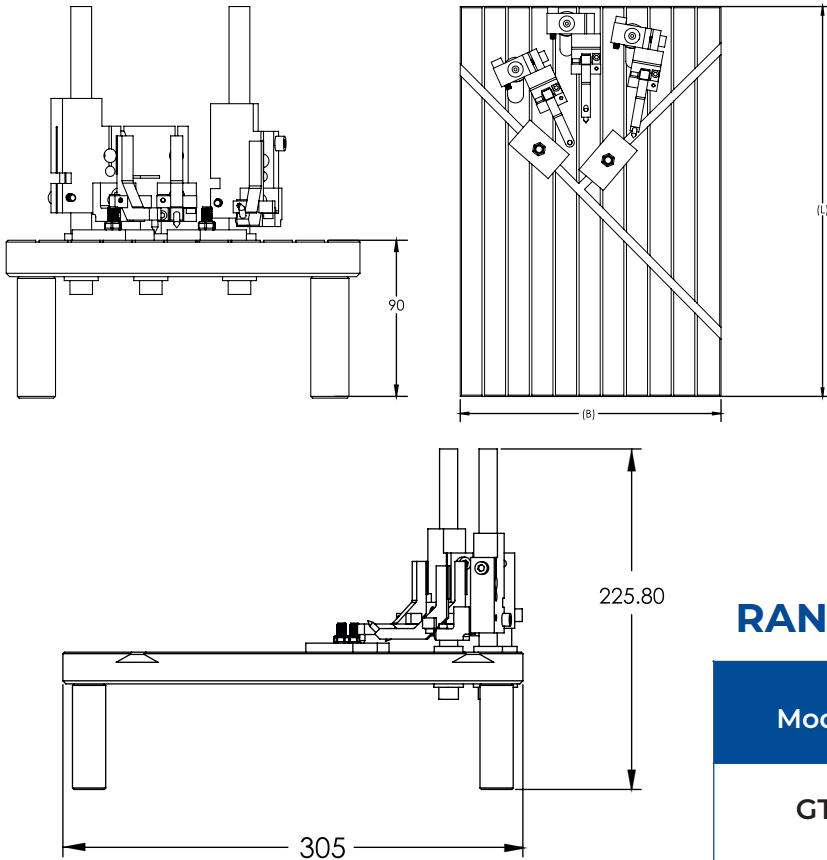
FUNCTION :

- ▶ It measures the taper angle of rollers, including taper rollers and needle rollers.
- ▶ This equipment ensures precise measurement and verification of the taper angle.
- ▶ Accurate taper angle assessment is crucial for proper fit, performance and durability in automotive and bearing manufacturing applications.

APPLICATION DRAWING :



Three Dial Comparator Gauge



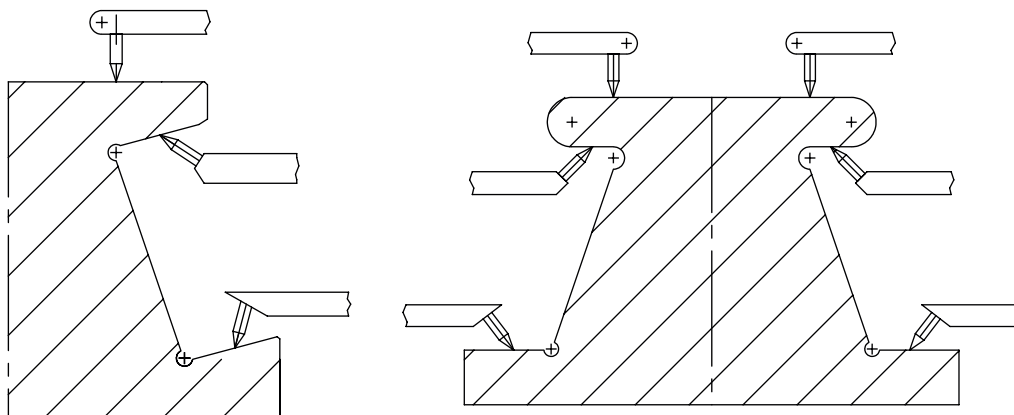
RANGE:

Model No.	Base Plate Diameter	Base Plate Hardness
GT-300	200X300 mm	58-62 Hrc

FUNCTION:

- It is utilized for dimensional measurements of components such as flange height, track width, total height of bearings, and cylindrical or hollow components like bushes.

APPLICATION DRAWING:

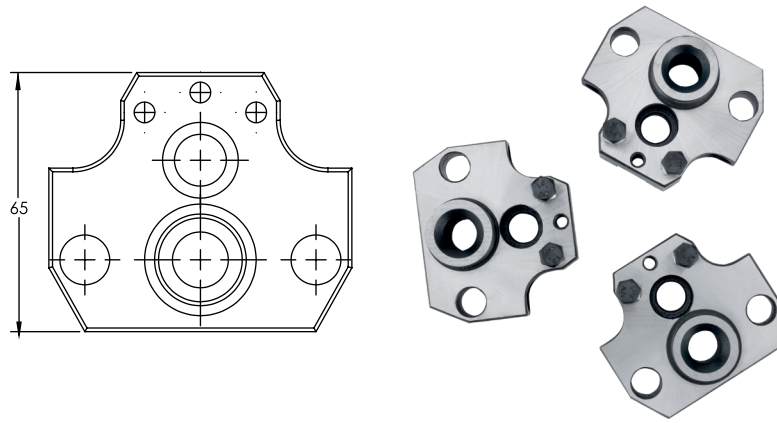


The background of the page is filled with various technical line drawings of clamping devices, including circular clamps, rectangular plates with multiple holes, and complex mechanical assemblies. The drawings are rendered in a light gray color, creating a technical and industrial aesthetic.

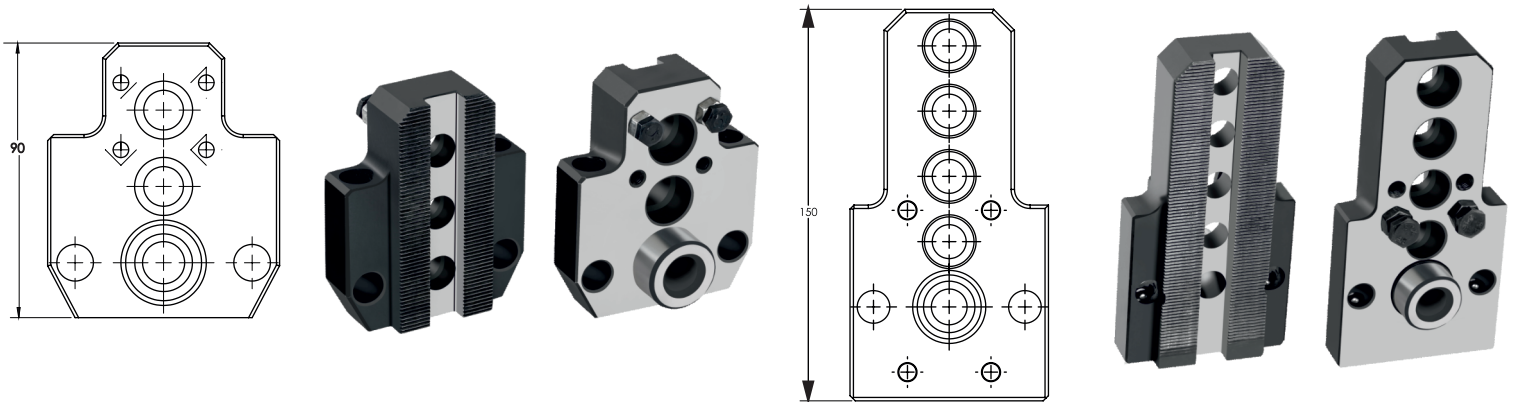
CLAMPING DEVICES

GLORIOUS
INDIA[®]

Base Jaws



Standard Base Jaw



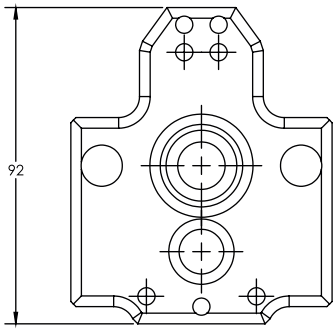
90L- Base Jaw

150L- Base Jaw

Size :

Model No.	Size
GBJS65L	65-L
GBJ90L	90-L

Model No.	Size
GBJ92L	92-L
GBJ150L	150-L



92-L Base Jaw

FUNCTION :

- ▶ It is used for holding a work piece on a CNC chunk and it is hardened.
- ▶ Have serrated clamping surface for securing the work during a machining operation ideal for rough-finished parts.

T – Nut :



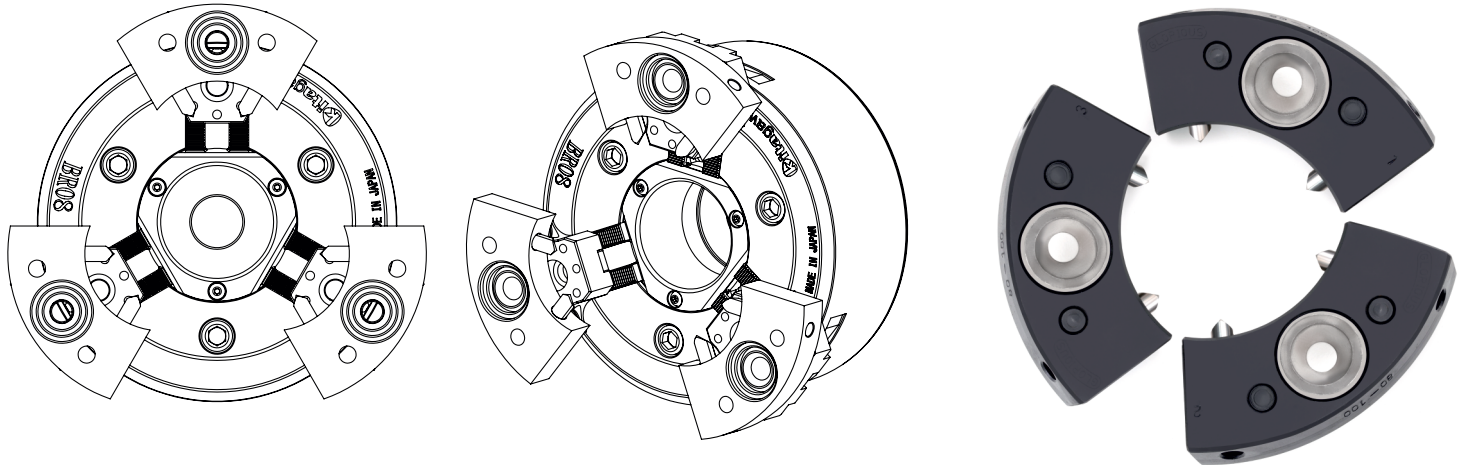
Standard T-Nut

92-L T-Nut

FUNCTION :

- ▶ It is a specialized fastening component integral to clamping base jaws in various machining and assembly applications.
- ▶ This ensures the base jaw is firmly clamped in place, enhancing precision and stability in the workpiece setup.

Swell Jaws



FUNCTION :

- ▶ Swell jaw gets fixed on serrated base jaw to turn forging rings , OD (outer diameter)/ radius and bore face of components.

PRECISELY MANUFACTURED :

Model No.	Size
GSWJ40	20-40 mm
GSWJ60	40-60 mm
GSWJ80	60-80 mm
GSWJ100	80-100 mm
GSWJ120	100-120 mm
GSWJ140	120-140 mm
GSWJ160	140-160 mm
GSWJ180	160-180 mm
GSWJ200	180-200 mm

Model No.	Size
GSWJ220	220-240 mm
GSWJ240	240-260 mm
GSW260	260-280 mm
GSWJ280	280-300 mm
GSWJ300	3000-320 mm
GSWJ320	320-340 mm
GSWJ340	340-360 mm
GSWJ360	360-380 mm
CUSTOMIZATION AVAILABLE UPTO 600 mm	

OUTER CLAMPING COLLET



G 118-122



G 156-160



G 210-214

Size :

Model No	Clamping Range
G-118-122	20 mm to 100 mm
G-156-160	40 mm to 140 mm
G-210-214	140 mm to 200 mm
G-316-320	200 mm to 300 mm
G-356-360	300 mm to 365 mm

FUNCTION :

- ▶ It forms a collar around outer diameter by exerting a strong clamping force to hold the work piece.
- ▶ It offers significant advantages for controlling ovality and run-out, providing superior accuracy compared to CNC chucks.

INNER CLAMPING COLLET



32-D ID ASSEMBLY



90-D ID ASSEMBLY

Size :

Model No.	Clamping range
G-22	10 to 50 mm
G-32	50 to 120 mm
G-90	120 to 350 mm

FUNCTION :

- ▶ It forms a collar around Inner diameter by exerting a strong clamping force to hold the work piece.
- ▶ It offers significant advantages for controlling ovality and run-out, providing superior accuracy compared to CNC chucks.



D-22 PUSHER



FIX COLLET BOLT TYPE



FIX COLLET



MASTER COLLET

D-22 Attachments

PUSHER	D-22
MASTER COLLET + PAD	35-50 mm
FIXED COLLET	16-27 mm

D-32 Attachments

PUSHER	D-32
MASTER COLLET + PAD	50- 120 mm
FIXED COLLET	27-50 mm

Fixed Collet Bolt Type

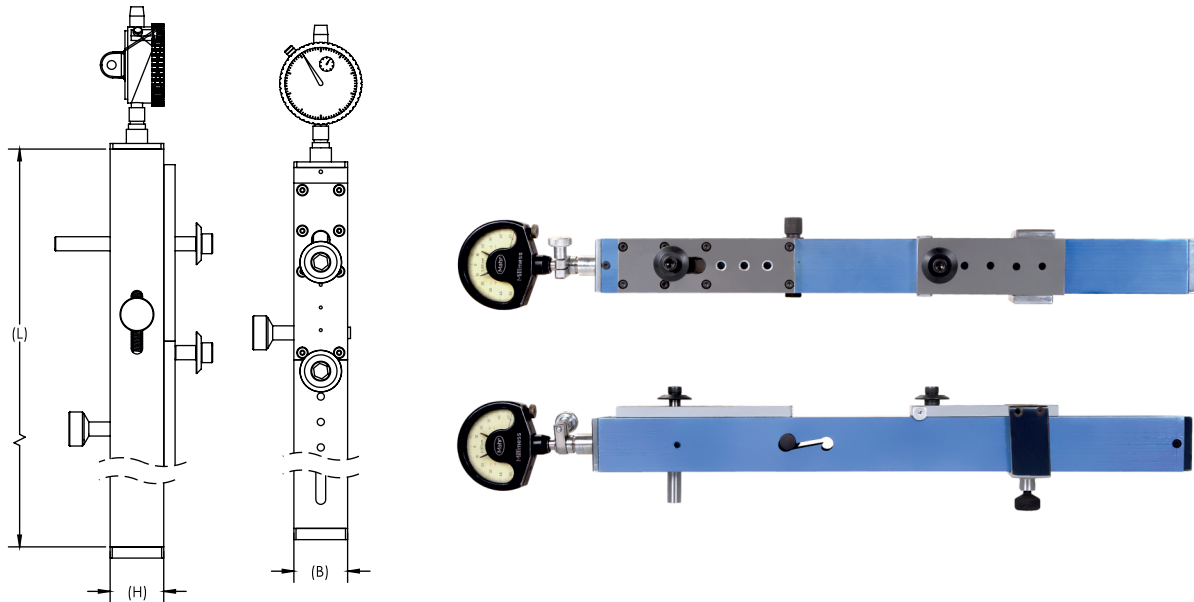
Range	10-16 mm
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SPECIAL PURPOSE GAUGES

GLORIOUS[®]
INDIA

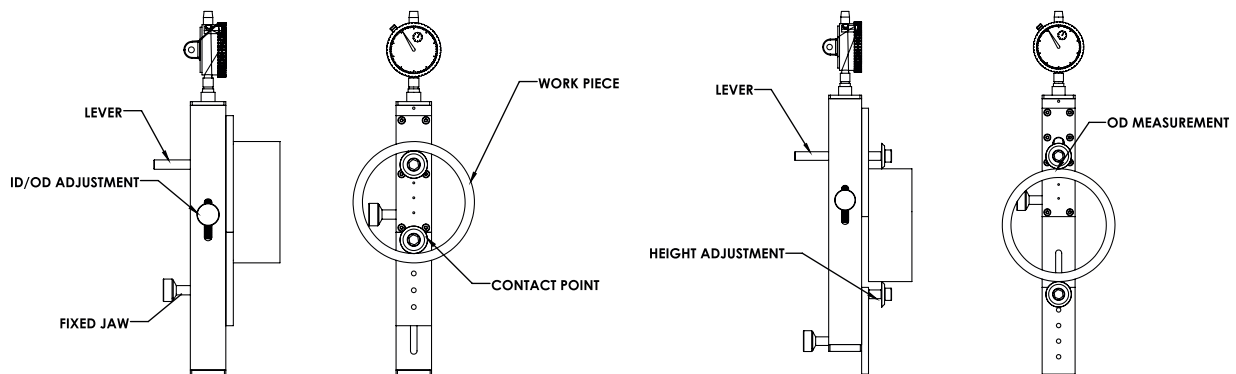
Solo Gauge



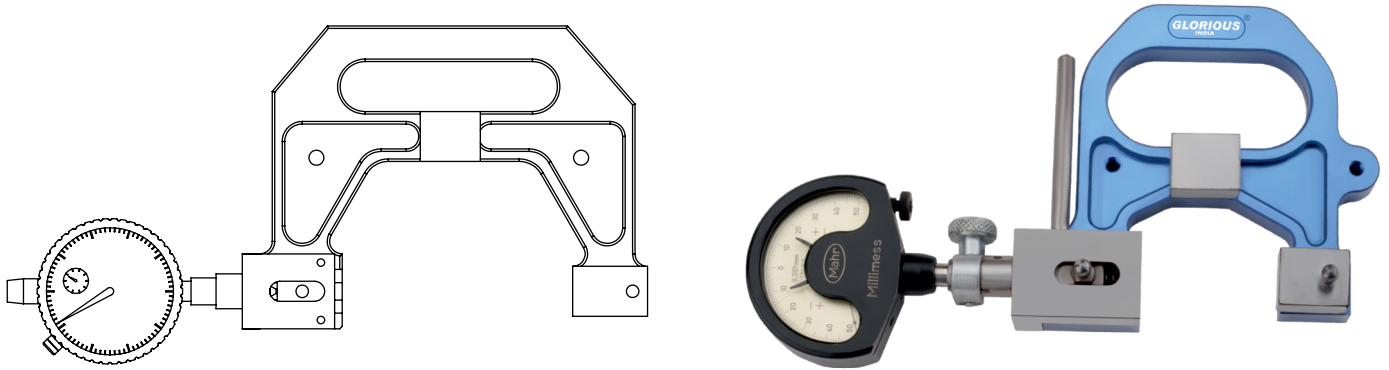
FUNCTION :

- ▶ Checks both internal and external dimensions. Measures step diameters and inside/ outside diameters.
- ▶ Suitable for larger objects.
- ▶ Mainly used for online inspection.
- ▶ Measures groove diameters (internal and external).

APPLICATION DRAWING :



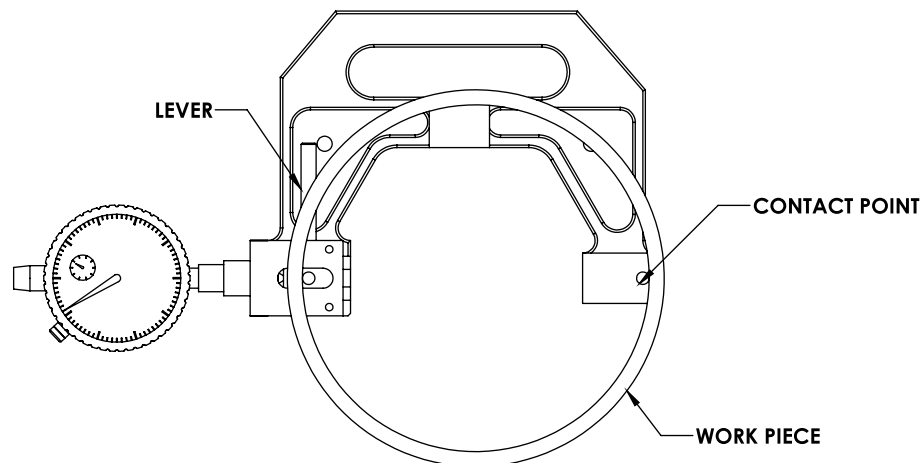
2-Point Bore Gauge



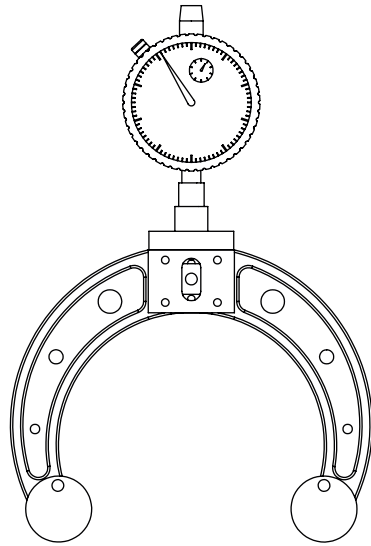
FUNCTION :

- ▶ Bore gauge is a comparative measuring instrument. Measures internal diameter of a hole.
- ▶ Compares measurements with a master gauge (e.g., micrometer, ring gauge).
- ▶ Utilizes 2- point (90°) measurement method.

APPLICATION DRAWING :



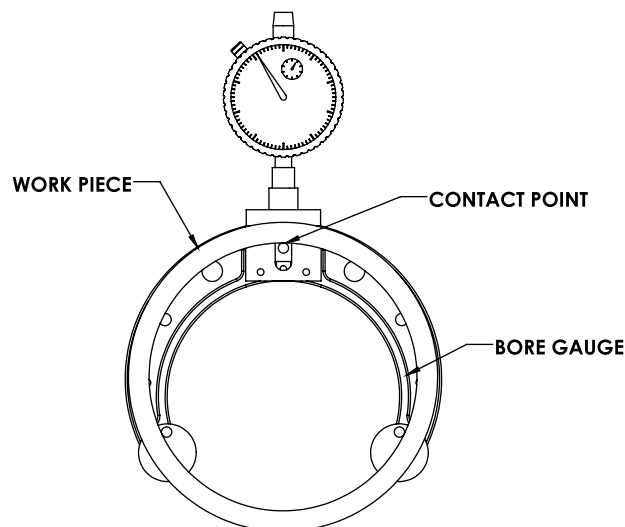
3-Point Bore Gauge



FUNCTION :

- ▶ The measuring depth can be extend using the extension rod to measure a deep hole.
- ▶ Bore Gauge is the comparative measuring instrument which measures internal diameter of a hole by comparing with master gauge (Micrometer, ring gauge etc.).
- ▶ Utilizes 3-point (120°) measurement method.

APPLICATION DRAWING :

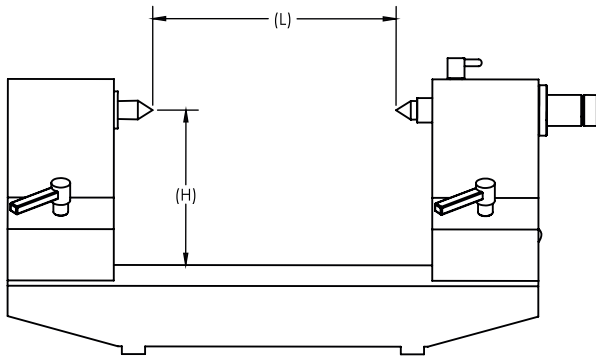




BENCH CENTERS

GLORIOUS
INDIA[®]

Cast Iron Mini Bench Centre



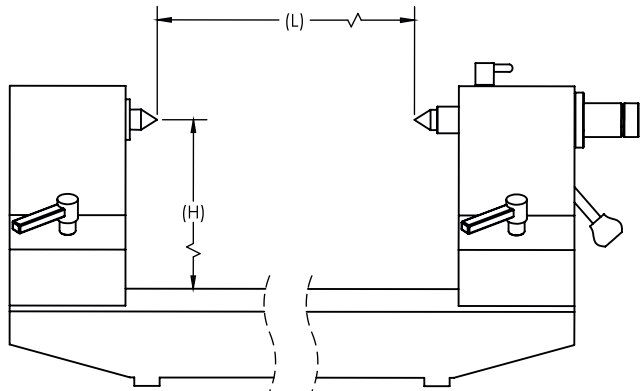
Size :

Center Distance(L)	Center Height(H)
120 mm	80 mm

FUNCTION :

- ▶ Bench center measures concentricity, axial alignment, and perpendicularity of cylindrical parts like shafts and gears
- ▶ They reduce measurement errors by keeping the work piece stable and aligned.
- ▶ Bench centers precisely align and center cylindrical work pieces for accurate and symmetric measurements.

Cast Iron Bench Center



Size :

Center Distance(L)	Center Height(H)
300 mm	125 mm
300 mm	160 mm
500 mm	160 mm
500 mm	200 mm
750 mm	160 mm
750 mm	200 mm
1000 mm	160 mm
1000 mm	200 mm

Center Distance(L)	Center Height(H)
1250 mm	160 mm
1250 mm	200 mm
1500 mm	160 mm
1500 mm	200 mm
2000 mm	200 mm
2000 mm	250 mm
2500 mm	200 mm
2500 mm	250 mm



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