



50-160MM DIAL BORE GAUGE

MODEL NO: **DBG5010.V2**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions

1. SAFETY

- ❑ **WARNING! Ensure Health and Safety, local authority and general workshop practice regulations are adhered to when using tools and equipment.**
- ✗ **DO NOT** use the dial bore gauge if damaged.
- ✗ **DO NOT** drop.
- ✓ This is a precision instrument, always return gauge components to the internally lined storage case.
- ✓ Maintain the gauge in good and clean condition for best and safest performance.
- ✓ Keep the work area clean, uncluttered and ensure there is adequate lighting.
- ✓ Ensure the work area floor is not slippery; wear non slip shoes.
- ✓ Components to be measured and the dial bore gauge to be stored at room temperature (21°C).

2. INTRODUCTION

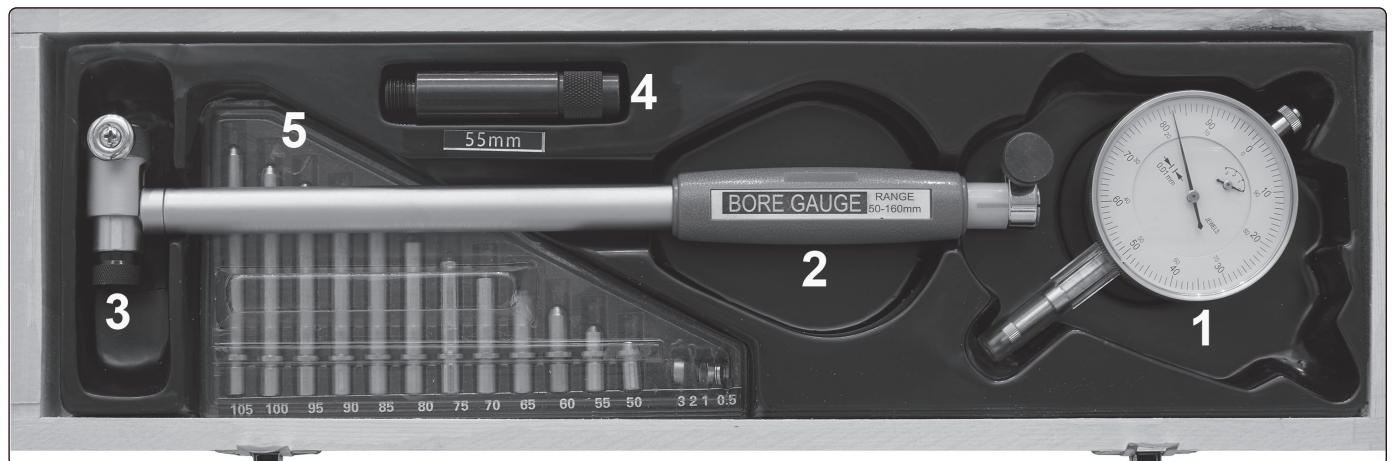
Precision mechanism with Ø55mm dial and locking rotating bezel, offering an accurate method of measuring a bore or detecting a taper or ovality. Will indicate the deviation from set size by up to 3mm with an accuracy of 0.01mm. Probe body, dial indicator, anvils and spacer rings are also included. Supplied in wooden storage case.

3. SPECIFICATION

Dial Diameter: 55mm
 Maximum Deviation Measurement with Stem: 1mm
 Maximum Deviation Measurement, Gauge: 3mm
 Range: 50-160mm

4. CONTENTS

Item	Description
1	Dial gauge indicator
2	Probe body
3	Clamp screw
4	Distance piece (55mm)
5	Anvils and spacer rings



5. OPERATION

Note: The dial bore gauge is a comparator not a measuring device.

5.1. ASSEMBLY

- 5.1.1. Loosen the clamp screw at the top of the shaft. Insert the dial indicator into the probe body until the pointer moves a minimum of 10 graduation marks (fig.1) on the dial.
- 5.1.2. Use a ruler and measure the diameter of the bore. Match the diameter by selecting a combination of anvils, spacer rings and if necessary use the distance piece (see fig 2 for one example). Test it in the bore, you may have to change the spacer rings, make a note of the length of the pieces used.

Note: Make sure everything is secure before using.

5.2. ZERO POINT ADJUSTMENT

- 5.2.1. Use a ring gauge or micrometer as a reference for setting your zero point.
- 5.2.2. Using the ring gauge/micrometer, insert the measuring head into the ring gauge. Pivot the gauge, and watch the dial. The largest reading on the dial is the zero point. Turn the bezel until the pointer points at the zero.

5.3. MEASUREMENT

- 5.3.1. Insert the measuring head into the bore.
- 5.3.2. Pivot the gauge while checking the dial. The movement of the pointer will indicate if the diameter you are measuring is oversized or undersized and by how much.

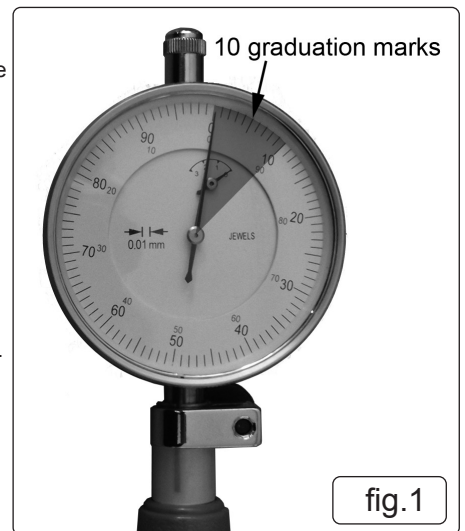


fig.1

6. MAINTENANCE

- ✗ **DO NOT** drop the gauge or assembled parts.
- ✓ Wipe clean with a dry cloth.
- ✓ If the gauge ceases to operate properly contact your Sealey stockist.



fig.2



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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