

With dial indicator

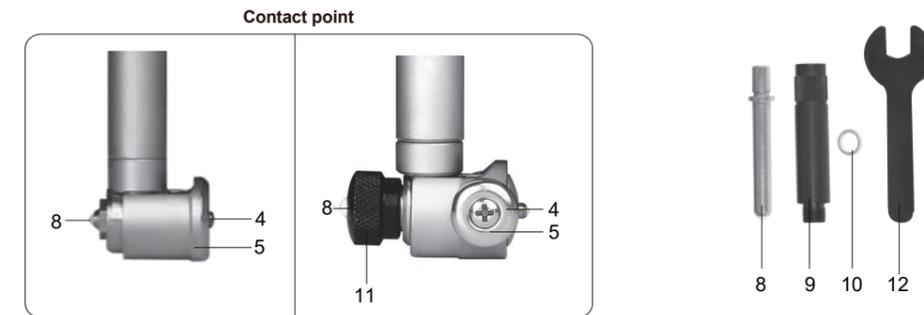
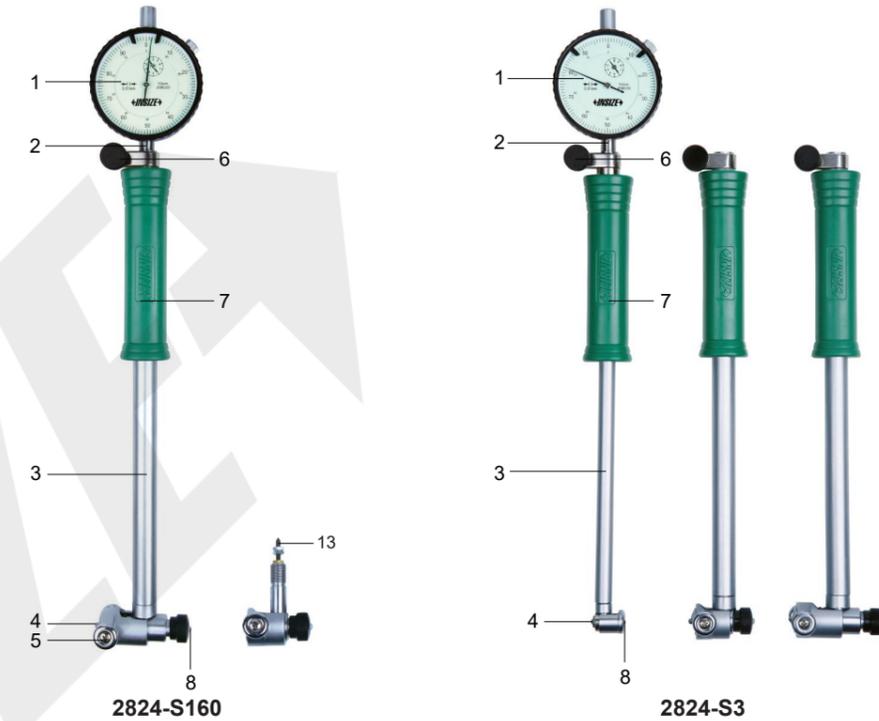
Code	Range	Indicator	Bore gages included	Accuracy	Repeatability
2824-S160	35-160mm	dial indicator, code 2308-10FA , range 10mm, graduation 0.01mm	35-50mm (dial indicator and handle are not included) 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	0.003mm
2824-S3	18-160mm	dial indicator, code 2308-10FA , range 10mm, graduation 0.01mm	18-35mm 35-60mm (dial indicator is not included) 50-160mm (dial indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	0.003mm

With digital indicator

Code	Range	Indicator	Bore gages included	Accuracy	Repeatability
2724-S160	35-160mm	digital indicator, code 2108-10F range 12.7mm/0.5", resolution 0.002mm/0.0001" (can switch to: 0.01mm/0.0005")	35-50mm (digital indicator and handle are not included) 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	0.003mm
2724-S3	18-160mm	digital indicator, code 2108-10F range 12.7mm/0.5", resolution 0.002mm/0.0001" (can switch to: 0.01mm/0.0005")	18-35mm 35-60mm (digital indicator is not included) 50-160mm (digital indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	0.003mm

With waterproof digital indicator

Code	Range	Indicator	Bore gages included	Accuracy	Repeatability
2724-S160WP	35-160mm	waterproof digital indicator, code 2137-10F , range 12.7mm/0.5", dust/waterproof IP54, resolution 0.002mm/0.0001" (can switch to 0.01mm/0.0005")	35-50mm (digital indicator and handle are not included) 50-160mm	35-50mm ±0.018mm 50-160mm ±0.018mm	0.003mm
2724-S3WP	18-160mm	waterproof digital indicator, code 2137-10F , range 12.7mm/0.5", dust/waterproof IP54, resolution 0.002mm/0.0001" (can switch to 0.01mm/0.0005")	18-35mm 35-60mm (digital indicator is not included) 50-160mm (digital indicator is not included)	18-35mm ±0.015mm 35-60mm ±0.018mm 50-160mm ±0.018mm	0.003mm



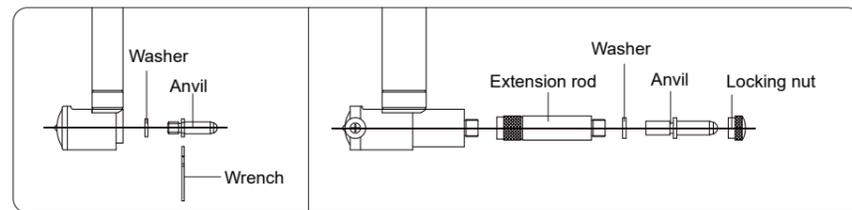
- 1-Dial indicator
- 2-Stem
- 3-Main pole
- 4-Contact point
- 5-Protect bridge
- 6-Locking device

- 7-Handle
- 8-Anvil
- 9-Locking nut
- 10-Washer
- 11-Extension rod
- 12-Wrench
- 13-Point ejector

1. The bore gage used to compare measurement. it is mainly used for measuring internal diameter size

2. Usage:

- (1) Set size: Choose anvil, extension rod and washer according to the size of workpiece, then install them as follow figures, please make each part be installed steadily.
Use wrench to tighten the anvil when range is less than 35mm. Press contact point severaltimes after installation, the pointer of indicator move smoothly, flexibly.



3. Optional accessories: setting ring (series 6312)

4. Notes:

- Please do not insert the bore gage into workpiece or setting ring from the anvil side. It is necessary to press the contact point and protect bridge into setting ring or workpiece firstly, then make the anvil contact with the inwall and turn the bore gage upright slightly.
---Do not strike the gage or allow it to be struck.
---The gage, setting ring and workpiece should be temperature balanced before calibration

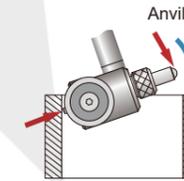


Fig.2

(2) Set calibration size: Select setting ring, outside micrometer, or standard hole with known diameter and accuracy, clean measuring faces with soft cloth.

(3) Set zero (as setting ring gage for a example): Insert the bore gage into setting ring and sway the bore gage wiggly (fig.1), to find the "turning point" of the pointer. Loosen bezel locking screw and rotate bezel to make "zero line" coincide with "turning point" then tighten bezel locking screw. Sway the bore gage wiggly several times to make sure the "zero line" coincide with the "turning point".

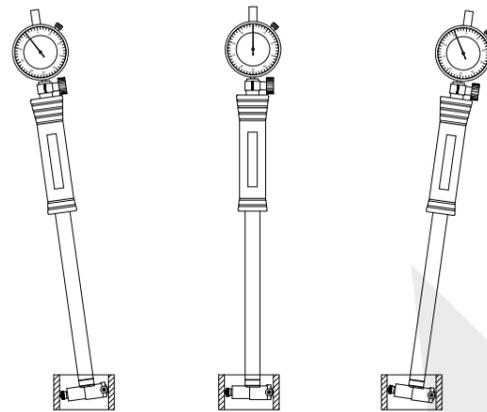


Fig.1

(4) Measuring: Insert the bore gage into workpiece and sway it wiggly several times to find the "turning point" of the pointer. Get the result, the reading is deviation from the normal value.

When the point is replaced between 2824-S160 and 2724-S160, the point ejector must be matched with the mounting hole of