

Please read through this owners manual carefully before using your new tool. Use your tool properly and only for its intended use.

Fowler 4" to 12" Cylinder Bore Gage Manual

- Range: 4-12"
- Grad: 0.0005"
- Accuracy

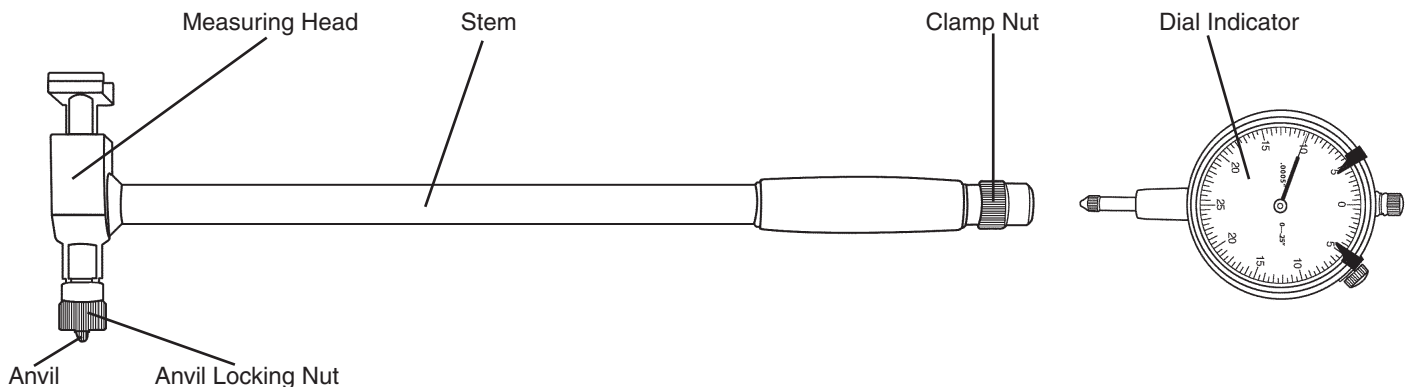
Total error	Repeatability	Self-centering error
0.0009"	0.0004"	0.00025"

• Accessory specifications

Range	Anvil Quantity	Anvil Range						Extension			Washer Quantity	Washer Size			
		No.1	No.2	No.3	No.4	No.5	No.6	Quantity	Size			No.1	No.2	No.3	No.4
4-6"	Without Extension	4"	4.4"	4.8"	5.2"	5.6"	6"	2	2"	4"	4	0.05"	0.1"	0.2"	0.3"
6-8"	With 2" Extension	6"	6.4"	6.8"	7.2"	7.6"	8"								
8-10"	With 4" Extension	8"	8.4"	8.8"	9.2"	9.6"	10"								
10-12"	With 2" and 4" Extension	10"	10.4"	10.8"	11.2"	11.6"	12"								

*No.1 anvil is already installed in each measuring head.

• Method of use



1. Attaching the indicator

- Insert the indicator spindle into the stem.
- The hand of the indicator should travel about 1 revolution (0.05").
- Lock the indicator with the clamp screw.

2. Selecting the accessory or combination of accessories

- Remove the anvil locking nut and the anvils or washers not used.
- Install the correct accessory or combination of accessories to match the bore size to be measured.
- Install the knurled locking nut tightly.

3. Dimension setting

- Set an outside micrometer to the exact dimension to be measured. Ring gages or gage blocks may also be used.
- Place the cylinder bore gage's measuring contacts between the micrometer faces and adjust the measuring contacts to position the long hand of the dial indicator at the Max. travel; tighten the locking nut. Turn the indicator's bezel to make the hand point exactly to zero.

4. Measuring and reading methods

- Place the gage in the cylinder and gently rock it to get the lowest dial reading (reversal point). In order to get the exact measurements, one must generally measure several positions.