

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



Cylinder Bore Gage Manual

- Range: .7" to 1.5"
- Grad: 0.0005"
- Accuracy

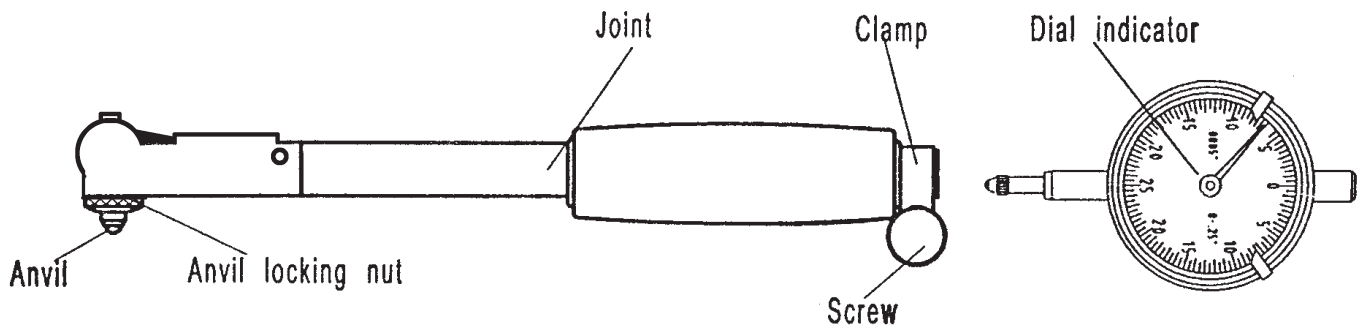
Total error	Repeatability	Self-centering error
0.0009"	0.0004"	0.00025"

- Accessory specifications

Range	Anvil Quantity	Anvil Range							
		No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.8
.7" - 1.5"	8	.7"	.8"	.9"	1.0"	1.1"	1.2"	1.3"	1.4"

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

- Name and construction of the parts



Insert the dial indicator's stem into the bore gage handle and tighten the clamp. The dial gage must be inserted deep enough to "preload" or move the needle about 1 revolution (0.050").

Choose the proper anvil length to match the bore size to be measured.

Using a separate, outside micrometer (Ring gages or gage blocks could be used as substitutes) open the jaws of the micrometer to the desired diameter of the bore. Lock the setting on the micrometer if a lock is available.

Place the cylinder bore gage's contacts between the jaws of the micrometer, rock the gage to find the lowest reading and rotate the dial indicator's bezel so the needle points to zero. Lock the bezel in this position.

Place the bore gage into the cylinder to be measured and gently rock the gage to find the lowest reading. The dial indicator reading shows the difference between the cylinder's diameter and the dimension the bore gage was previously set to.

Note: To get the most accurate representation of the bore diameter, measurements should be taken at several positions.

