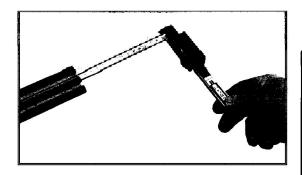
BoreMaster Instructions



First Things First:

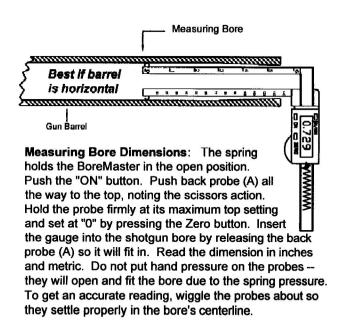
- 1. Unload the gun.
- For repeatable accuracy, it is best to have the gun barrel(s) in the horizontal position, in a gun rest, and with the BoreMaster handle in the vertical position.

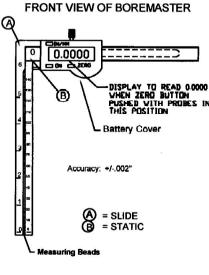
What You Need to Know Before Measuring

- Always compress the probes when entering or leaving the bore.
- PUSH, DON'T PULL, to measure.
- When measuring the bore first, then the constriction, follow this procedure:
 - 1. Compress the probes to enter the bore;
 - 2. Release the probes to measure bore;
 - 3. Press zero;
 - 4. Compress probes to remove them from the bore:
 - Reset the probes by compressing and releasing just below the end to measure constriction.

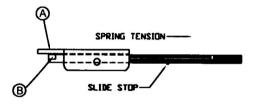
Remember, when measuring, ALWAYS push from the smaller diameter (constriction) to the larger (bore) unless you compress the probes to adjust.

Measuring Bore





TOP VIEW OF BOREMASTER

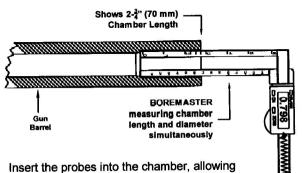


Measuring Choke

set at "0" to give direct choke construction Measuring Choke Gun Barrel measurement (inches and metric) Measuring Choke Constriction and Choke Length: Place the probes at the muzzle of the gun. Set the display at "0". Push the probes down into the barrel. When the choke constriction stops and your are in the barrel section of the bore, read the display. That is the choke constriction in inches or metric. Measure the choke length by reading the distance on the probes. Measuring Choke Only: Insert probes into the barrel. Wiggle them to let them set into the bore's centerline. Read the bore diameter on the display. Touch the zero button on the display face. You have now set the datum point for reading the choke. Now push the probes together to relieve pressure on the barrel walls and set the probe beads at the muzzle. The reading on the display is your choke constriction, either thousandths of an inch or metric. For guns with screw-in chokes, you can measure each choke tube OUTSIDE of the gun by simply setting the probes into the tube at the muzzle end.

BOREMASTER

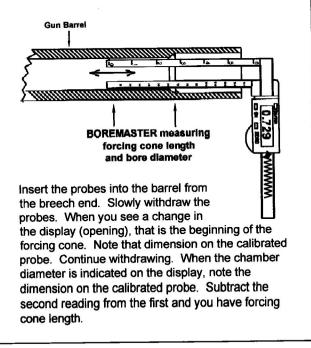
Measuring Chamber Length



them to expand to meet the chamber walls.

Push the probes into the chamber and when the resistance of the forcing cone is felt, stop. Read the chamber length engraved on the probe from the breech end. You will also get the chamber diameter dimensions on the display.

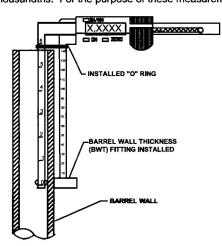
Measuring Forcing Cone

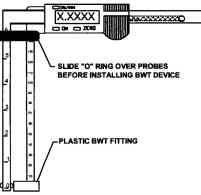


Measuring Barrel Wall Thickness (BWT)

You will need the supplied "O" Ring and the Barrel Wall Thickness (BWT) Plastic Fitting

- 1. Fit the "O" Ring over both probes before pushing on the BWT fitting. The "O" Ring will keep the probes tightly closed.
- 2. Fit the BWT Fitting over the right probe; push on. Make sure that the BWT offset flat aligns with the bead of the left probe.
- 3. Push "ZERO" on the BoreMaster control face. Pull back the right probe several times so that it sets into the BWT device and establishes a zero point. The zero point may vary by a couple of thousandths. For the purpose of these measurements, these variances will not matter.



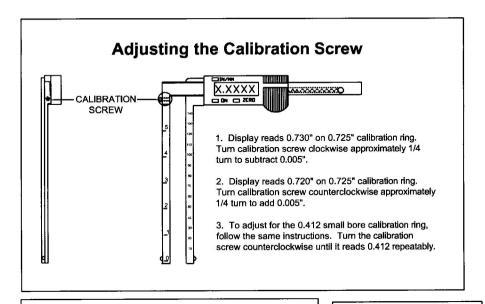


4. Insert the probes over the barrel wall as shown. Allow the BoreMaster to settle in. Read the results.

Please note: Accuracy is +/- 0.002", however, what you are trying to establish is the presence of very thin barrel wall thickness, whichh this gauge will do.

Please note: If you are reading the choke dimension, remember that you are reading half of the constriction.

- 5. Use the supplied 0.025" calibration strip to confirm the BoreMaster's BWT accuracy.
- 6. After use, remove the "O" Ring from the probes to prevent it from stretching. The "O" Ring will need replacing if it no longer compresses the probes tightly. The "O" Ring size is 1/2" I.D., 11/16" O.D., and 3/32" thickness.



Maintenance:

Trouble

Possible Cause

Flashing digits No display

Low voltage 1. Low voltage

2. Poor contact Accidental trouble

Fixed digits in circuit Solutions

Replace battery 1. Replace battery

2. Adjust and clean battery seat

Take battery out and out back in after one minute.

Battery Replacement: When the display keeps flashing or does not appear, remove the battery cover and replace the battery with a new one (SR44, 1.55v). The positive pole of the battery must face out.

STANDARD BORE, CHAMBER & CHOKE DIMENSIONS

| VARIOUS BORE |
|---------------------|
| DIMENSIONS |
| (INCHES) |

| DIMENSIONS (INCHES) | | | | | | | | |
|------------------------|--------------------------------|--|--|--|--|--|--|--|
| BORE SIZE (GAUGE) | BORE DIMENSIONS (INCHES) | | | | | | | |
| 4 | 1.052 | | | | | | | |
| 5 | .976 | | | | | | | |
| 6 | .919 | | | | | | | |
| 7 | .873 | | | | | | | |
| 8 | .835 | | | | | | | |
| 9 | .803 | | | | | | | |
| 10 | .775 | | | | | | | |
| 11 | .751 | | | | | | | |
| 12 | .729 | | | | | | | |
| 13 | .710 | | | | | | | |
| 14 | .693 | | | | | | | |
| 15 | .677 | | | | | | | |
| 16 | .662 | | | | | | | |
| 20 | .615 | | | | | | | |
| 21 | .605 | | | | | | | |
| 22 | .596 | | | | | | | |
| 23 | .587 | | | | | | | |
| 24 | .579 | | | | | | | |
| 25 | .571 | | | | | | | |
| 26 | .563 | | | | | | | |
| 27 | .556 | | | | | | | |
| 28 | .550 | | | | | | | |
| 29 | .543 | | | | | | | |
| 32 | .526 | | | | | | | |
| | | | | | | | | |

| GAUGE | | | | | | | | CHOKE | | | | | | | | | | | |
|--------|------|---------|------------|-------|-------|------|------|-------|---------|-------|----------|------|---------|-------|------|------|---|--|--|
| | BORE | CHAMBER | | | | | FULL | | IMP MOD | | MOD | | IMP CYL | | CYL | | | | |
| | A | В | С | D | Е | F | G | J | K | J | K | J | К | J | K | J | K | | |
| 10 | | .841 | 2.875 | | | | | - 12 | | | | | | | | | | | |
| 10 MAG | .775 | .8379 | .933 | .8854 | 3.500 | .074 | .026 | .739 | | .748 | | .757 | | .766 | | .775 | | | |
| 12 | | .798 | .886 .8118 | 2.750 | 070 | | | | 700 | | 744 | | .720 | | .729 | | | | |
| 12 MAG | .729 | .7968 | | .8118 | 3.000 | .072 | .026 | .693 | 2-1/2 | .702 | 1-7/8 | .711 | | .720 | 5/8 | ./29 | 0 | | |
| 16 | .662 | .732 | .820 | .7458 | 2.750 | .065 | .026 | .636 | | .6425 | | .649 | | .6555 | | .662 | | | |
| 20 | .615 | .685 | .766 | .6988 | 2.750 | .060 | .026 | .589 | | .5955 | | .602 | | .6085 | | .615 | | | |
| 28 | .550 | .614 | .688 | .6284 | 2.875 | .060 | .024 | .530 | | .535 | - | .540 | | .545 | | .550 | | | |
| 410 | .410 | .463 | .537 | .478 | 3.000 | .060 | .020 | .390 | | .395 | | .400 | | .405 | | .410 | | | |

