

User Instructions for the Forster XL Comparator Ammo Measurement Tool (Used to check relative head space (shoulder bump) and Base to Ogive)

The XL Comparator was made to fill a need for a tool that has the ability to do comparative head space and base to ogive measurements on larger calibers. In most instances a quality 8" caliber is required.

PARTS

The design is simple and familiar for many reloaders, but is made to provide the clearance necessary for some of the longest of bullets.



FIG 3



FIG 1

SETUP

Secure the body itself or body and bushing square on your calipers. To do so position the XL Comparator in your 8" calipers and while applying gentle pressure tighten the brass thumb screw.

It is important when measuring to have the case head contact the widest portion on you caliper blades. The Datum Measurement (.636") is built into the XL Comparator Body itself. Other Calibers will need the proper XL Bushing.



FIG 4



FIG 2

Using the comparator to measure shoulder bump, you will first measure your fired cases (some find it helpful to zero your calipers on this case). Then compare that measurement with your resized case measurement. For easy chambering/cycling of your reloads, you will want a minimum of .002" shoulder bump. Too little bump will result in difficulty or an inability to close the bolt. Too much bump will over work your brass and shorten your case life.

When measuring base to Ogive the same setup applies. Secure the correct red colored XL Bushing on the end of the comparator body then perform your measurement as seen below.



Adjustments to your seating depths can be confirmed using this XL Comparator and with the proper XL Bushing.

Technique

When performing these measurements there are a few things to be mindful of:

- Keep an even/constant pressure on your calipers.
- Be sure your primers are under flush
- Rotate the case and/or cartridge slightly to assure it is fully seated and square in your calipers. Hold your calipers up to the light and look for space between the case head and flats of your calipers.
- Try to be consistent with how you measure over the head stamp.
- Keep in mind all measurements performed are relative measurements. The purpose of the tool is comparative and does not give you exact Head Space or exact distance to the lands in your rifle.

WARRANTY

All Forster Products are warranted against defects in materials and workmanship for the life of the product. Parts excluded from the warranty are those that, by nature of their function, are subject to normal wear (such as springs, pins, etc.) or that have been altered, abused, or neglected. If the product is deemed defective by workmanship or materials, it will be repaired, reconditioned or replaced (at Forster's option). This warranty supersedes all other warranties for Forster Products, whether written or oral.

Bushing Selection

Available XL Bushings (reminder the Datum .636" for 50 BMG Head Space is included as part of the comparator body):

TABLE 1

Part #	Marked	Diameter +/- .0005
XLCBUSH-338	338	.3300
XLCBUSH-375	375	.3660
XLCBUSH-408	408	.4000
XLCBUSH-416	416	.4080
XLCBUSH-438	438	.4375
XLCBUSH-476	476	.4760
XLCBUSH-500	500	.5000
XLCBUSH-BLANK	BLANK	STARTER HOLE

When selecting an XL Bushing, select one that is closest to the Datum specified on your cartridge/chamber print or the bullet diameter you are using.

If you do not see the diameter you require, we offer the "Blank" that has a 1/8" starter hole and this aluminum piece is available for you to machine at whatever diameter your require .

This tool is meant for the larger calibers (for standard calibers consider our [Datum Dial Ammo Measurement System](#)).