

## SIGHT HEIGHT CALCULATIONS

To determine the correct height of sights to order we suggest the following:

- 1) Select the barrel mounted front and rear sights you want to install.
- 2) Measure the actual barrel you want to install the sights on with calipers or a micrometer.
- 3) Measure the barrel diameter at the point where the rear sight will be installed.
- 4) Measure the muzzle diameter. (Banded Ramps measure at points ½" and 1 ½" from muzzle.)

### **Math:**

**Rear Sight:** Take the diameter of the barrel and divide it by 2. Add this number to the height of the rear sight listed on our website or in our catalog. This will give you the **"Total rear sight height from the center line of the bore"**.

**Example:** *.875" Barrel diameter / 2 = .4375" + Added to Classic Adjustable Rear Sight height of .550" = .9875". This is the "Total rear sight height from the centerline of the bore".*

**Front Sight:** Take the muzzle diameter and divide it by 2. Subtract this number from the **"Total rear sight height from the centerline of bore"**. The remainder will be the **"Total front sight height required"** to level with the rear sight.

**Example:** *Muzzle diameter .650" / 2 = .325". Now take the "Total rear sight height" .9875" - (subtract) .325" = .6625" This equals the **"Total front sight height required"***

For a good basic set of sights we would suggest an NECG "Universal Front Ramp" and "Classic Adjustable Rear Sight". Our "Classic Rear Sight Base" will accept several rear sight inserts including our new 1 Standing / 1 Folding "Mini-Express" insert.

For small diameter barrels we suggest using one of our Masterpiece Banded Ramps as drilling and tapping into small barrels is tricky.

For "Express" sights our Banded Ramps will work with our NECG Classic Express Sight with Island Base. (Allow for a "V" depth of .125" - .150" after sight regulation.)