



## ONYX SIZING INSTRUCTIONS

1. **Nothing** is more critical than getting the sizing correct the first time. We all lose money and have a dissatisfied customer whenever a vest is returned for refit. So, take your time and get it right.
2. Officers **must** be wearing uniform pants and duty belt or whatever they would typically wear during their shift. Make this very clear with agencies when setting up sizing dates.
3. Be careful that you do not create unrealistic expectations. Get the officers buy in with the measurements that you are taking. Explain that there is a 60-Day fit guarantee when they return an unworn, unused vest. Explain that the panels have a break in period where they will become more flexible and pliable over time. Explain how to adjust the shoulder straps. A front torso may appear to be too long when they receive the vest, but the strap might not be adjusted properly.
4. Start with a cloth measuring tape. Follow instructions and take all measurements on the form. Be sure to include height and weight. Chest and waist should be measured from standing behind the officer. This gets you away from the personal space of the officer.
5. If the Officer is wearing a vest and likes the front or back torso length, use that measurement on the form. Cross through the -1" for front and .80 on back and use the net measurement of the length of their existing panel.
6. Measurements:
  - Height and weight
  - Chest or Bust and officer stated cup size if female
    - Relaxed position with arms to the side.
  - Under Bust Measurement – Female Sizing form only
    - This measurement is taken directly under the bust
  - Front seated
    - Clavicle to top of Duty belt -1" is a proven method of measurement. If you have a method that works for you, strike through the -1" and write in your net measurement.
    - Tape should fall unassisted. Do not follow the contour around the belly. The measurement should be in a straight line. All body shapes are not real conducive to body armor. Remember, you are the expert. If they want the panel to wrap around the belly, it just won't work that way.
    - Front seated should be approximately 2" shorter than the back measurement.
  - Back standing.
    - The Neckbone to belt multiplied by .8 is a very good method of measuring. If you have a method that works better for you, strike through the .8 on the form and write in your net measurement.
    - Back standing should be approximately 2" longer than the front measurement.
  - Waist measurement
    - Widest part of mid-section.
    - Make sure they are not sucking in.
    - While taking this measurement explain that the front panel must always overlap the back panel.
7. Sizing Vest for Male officers only. We are revising our female sizing structures.
  - Take the Waist/Girth measurement from your form. Let's say it's 46". Add your overlap. In this case we will add 2" each side for a total of 50". Divide that by 2 = 25". Go to your Ballistic size chart and find the front panel waist width at or near 25". The 2XL front width is 25.02. That would be your starting point for trying on the Sizing Vest. If your total width calculated to 24" which is between a 2XL and an XL. Use the 2XL Front and the XL back. Always use the larger size in the front so the overlap goes to the rear. In some cases, you may have to go up or down in Chest size and add length to the waist measurement but those would be rare cases.
  - Circle the sizes on your sizing form under sizing vests.