

# Basic Shaft & Arrow Tuning



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## Instructions

1. Stand 8 to 10 yards from target
2. Keep bow completely vertical (do not cant)
3. Shoot at least 3 consistent times before making any adjustments
4. Do not rush!
5. Once tuning is complete, test results at 13 - 15 yards

## Tips on Shaft & Arrow Tuning

- MAKE SURE BOW IS VERTICAL!
- Never bare shaft tune with broadheads!
- Make tuning adjustments with one small change at a time.
- Verify brace height & nock point are properly set up for your bow
- Use the point weight that you are going to use for your broadhead
- If using string silencers, install before tuning. It does make a difference!
- If arrow nock kicks up, adjust string nocking point down, and vice versa.
- If arrow nock fits too tightly on bowstring, results will be inconsistent.
- Shooting form & release must be proper & consistent to reach accurate results

*Note: This chart is for a right handed shooter. For left handed shooter reverse below charted results.*

## BARE SHAFT TUNING



*Nock Right*

### Nock Right - deflection/spine too stiff, reduce by:

- a) Increase point weight (i.e. 125 grain to 150 grain)
- b) Move side plate closer to center or decrease plunger pressure
- c) Select a lighter deflection shaft (i.e. Traditional Only 400 to 500)



*Nock Left*

### Nock Left - deflection/spine too weak, increase by:

- a) Decrease point weight (i.e. 200 grain to 175 grain)
- b) Cut shaft down in 1/4" - 1/2" increments until correct spine is achieved (only recommended if shaft length exceeds draw length plus one inch).
- c) Move side plate out or increase plunger pressure
- d) Select a stiffer deflection shaft (i.e. Traditional Only 600 to 500)

## FLETCHED ARROW TUNING



*Consistent Group to Left*

### Consistent Group to Left - deflection/spine too stiff, reduce by:

- a) Increase point weight (i.e. 125 grain to 150 grain)
- b) Move side plate closer to center or decrease plunger pressure
- c) Select a lighter deflection shaft (i.e. Traditional Only 400 to 500)



*Consistent Group to Right*

### Consistent Group to Right - deflection/spine too weak, increase by:

- a) Decrease point weight (i.e. 200 grain to 175 grain)
- b) Cut shaft down in 1/4" - 1/2" increments until correct spine is achieved (only recommended if shaft length exceeds draw length plus one inch).
- c) Move side plate out or increase plunger pressure
- d) Select a stiffer deflection shaft (i.e. Traditional Only 600 to 500)