



Recurve Barebow (RBB) and
Olympic Recurve Class

Course Instructor

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- Highly Experienced Archer (40 Yrs)
- Current Board VP (3 Yrs)
- Connecticut Bow Hunter Instructor
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- OAC Vice President (3 Yrs)
- Mentor to Many of Our Club Members!
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Clarify “Recurve”

- 'Recurve' is a competition class
- Olympic Recurve
- Recurve is RBB + Recurve Class equipment
- Recurve Bare Bow is also competition class
- Bare Recurve Bow with restrictions
- Recurve will mean Olympic Recurve
- RBB will mean Recurve Bare Bow

Out of the Box

- Most RBB are 3 piece – Riser & Limbs
- Riser – 25” standard (23”, 27”)
- Bolt pattern = 5”
- ILF Limbs - International Limb Fitting
 - Short (23”), Medium(24”), Long(25”)
- Bow String – match to bow length

RBB Riser



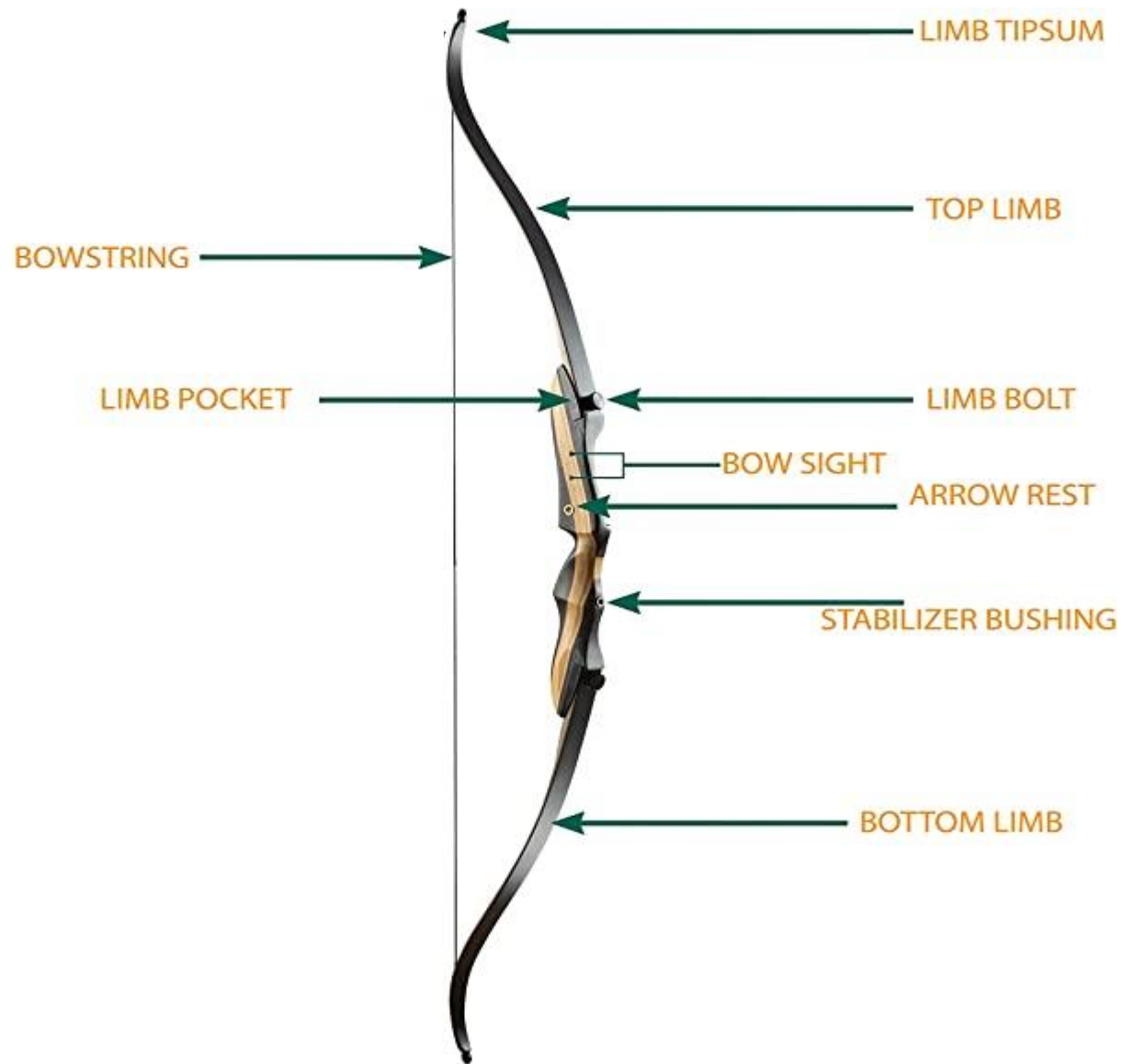
RBB ILF Limbs



Recurve ILF Limb Materials

- Wood
- Foam
- Fiberglass
- Carbon
- Bamboo
- Frequently laminated with multiple materials
- Cost differences due to material, quality, price

Recurve Bare Bow (RBB)



Recurve Bow Size

- Bow size based on Draw Length
- $DL = \text{Span} / 2.5$
 - Example: $68'' / 2.5 = 27.2''$ Draw Length
- Use a sizing Chart

Bow Size Chart

| Draw Length | | Bow Length |
|-------------------|---|-----------------|
| 14 to 16 inches | → | 48 inches |
| 17 to 20 inches | → | 54 inches |
| 20 to 22 inches | → | 58 inches |
| 22 to 24 inches | → | 62 inches |
| 24 to 26 inches | → | 64 to 66 inches |
| 26 to 28 inches | → | 66 to 68 inches |
| 28 to 30 inches | → | 68 to 70 inches |
| 31 inches or more | → | 70 to 72 inches |

Bow lengths with I.L.F. Limbs

| Riser Length | Extra Short | Short | Medium | Long | Extra Long |
|--------------|-------------|-------|--------|------|------------|
| 13" | 52" | 54" | 56" | 58" | 60" |
| 15" | 54" | 56" | 58" | 60" | 62" |
| 17" | 56" | 58" | 60" | 62" | 64" |
| 19" | 58" | 60" | 62" | 64" | 66" |
| 21" | 60" | 62" | 64" | 66" | 68" |
| 23" | 62" | 64" | 66" | 68" | 70" |
| 25" | 64" | 66" | 68" | 70" | 72" |
| 27" | 66" | 68" | 70" | 72" | 74" |

***NOTE:** To determine Length of riser, measure from center of limb bolt to to center of limb bolt, then add 5".

Choosing Draw Weight

- Draw Weight Charts – (not recommended)
- Draw and hold poundage for 30-45 seconds
- Target archery – no more than 40 lbs.
- Target archers shoot lots of arrows
- Approx 32 lbs. needed to get to 60 yds

Draw Weight Chart

Draw Weight

| | | |
|-------------------------|-------------------------|------------|
| Very Small Child | 55-70 lbs. (25-30Kg) | 10-15 lbs. |
| Small Child | 70-100 lbs. (30-45Kg) | 15-25 lbs. |
| Large Child/Small Woman | 100-130 lbs. (45-60Kg) | 25-35 lbs. |
| Youth/Medium Women | 130-165 lbs. (60-75Kg) | 30-45 lbs. |
| Small Frame Men | 120-150 lbs. (55-70Kg) | 45-55 lbs. |
| Large Frame Women | 165+ lbs. (75+ Kg) | 45-55 lbs. |
| Medium Frame Men | 150-185 lbs. (70-85 Kg) | 55-65 lbs. |
| Large Fram Men | 180+ lbs. (85+ Kg) | 65-75 lbs. |

Initial Setup

- String the Bow
- Attach Arrow Rest
 - Stick on, Wrap around preferred
- Attach Plunger
 - To promote consistent arrow flight
- Set a Nock point
 - 3/8" above center

Adjustability

- Plunger
- Arrow Rest
- String Twist
- Limblock
- Limb Bolts

String The Bow



Arrow Rests



Plunger



Nock Point



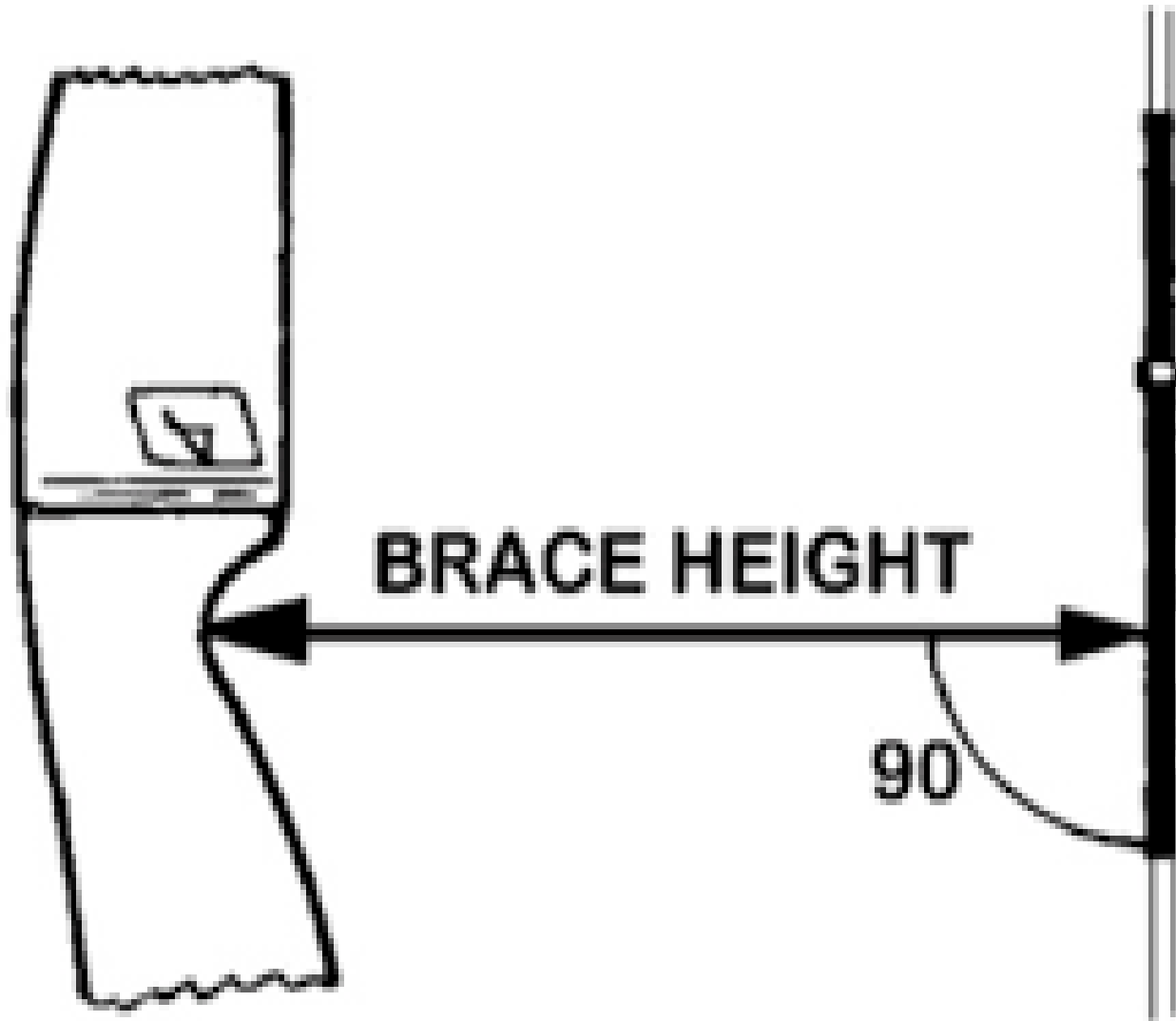
Initial Adjustments

- Some initial adjustments are needed
- Adjust Brace Height to Specs
 - Twists in Bow String to adjust
- Plunger Tension / Position
- Arrow Rest Center Shot
- Arrow Rest 'wire'
- Brace Height

Adjust Brace Height



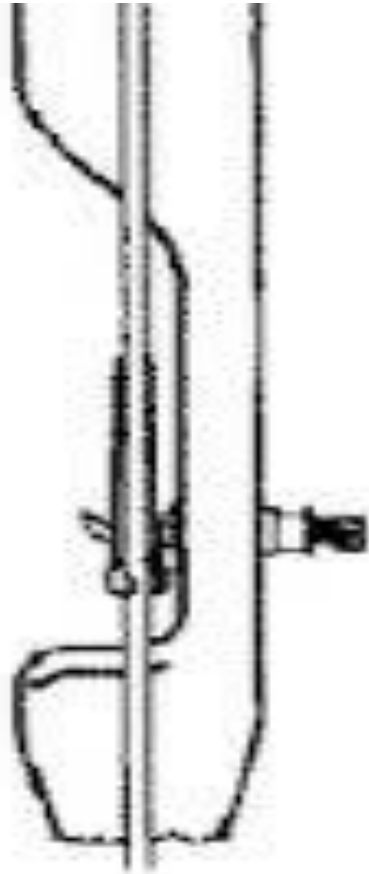
Brace Height



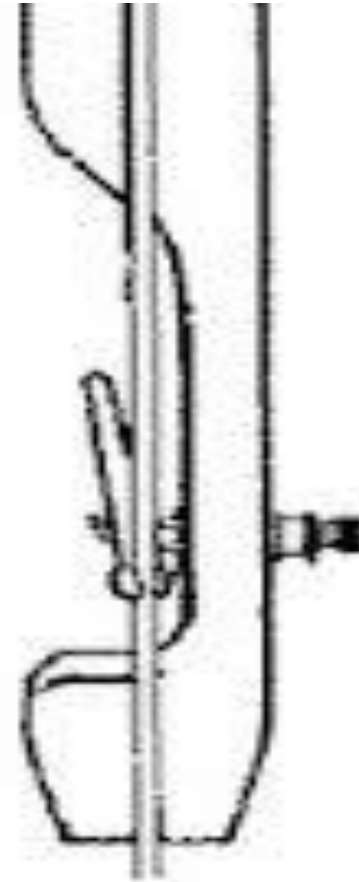
Plunger Adjustment

- Sets 'Center Shot'
- Controls Lateral 'flex' of the arrow
- Adjustable 'spring tension'
- Moves arrow left / right

Center Shot



Full centre-shot.

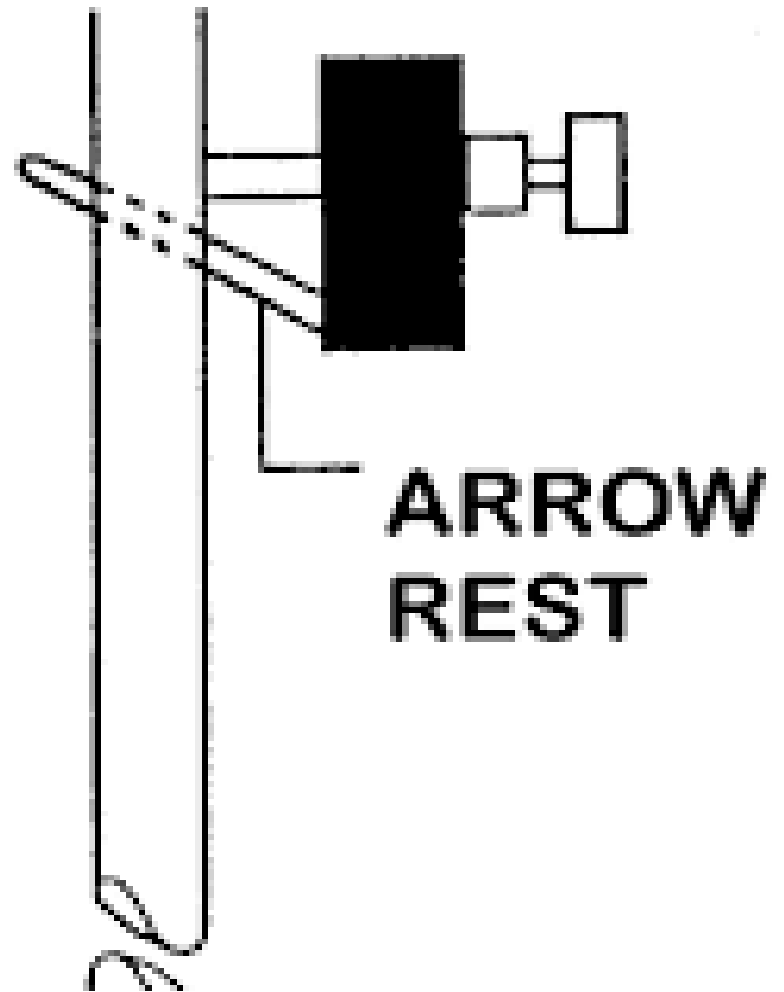
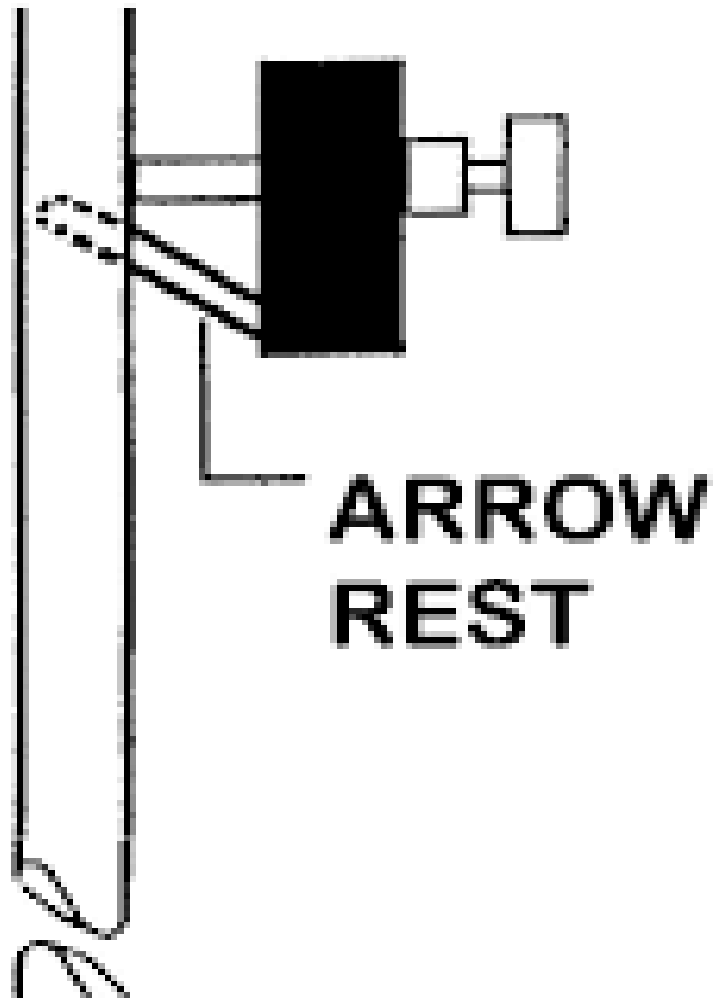


Outside centre-shot.

Arrow Rest Adjustment

- Up / Down adjustment of arrow height
 - Arrow to center of Plunger button
- Should 'cradle' arrow with minimal contact

Rest Adjustment



Selecting Arrows

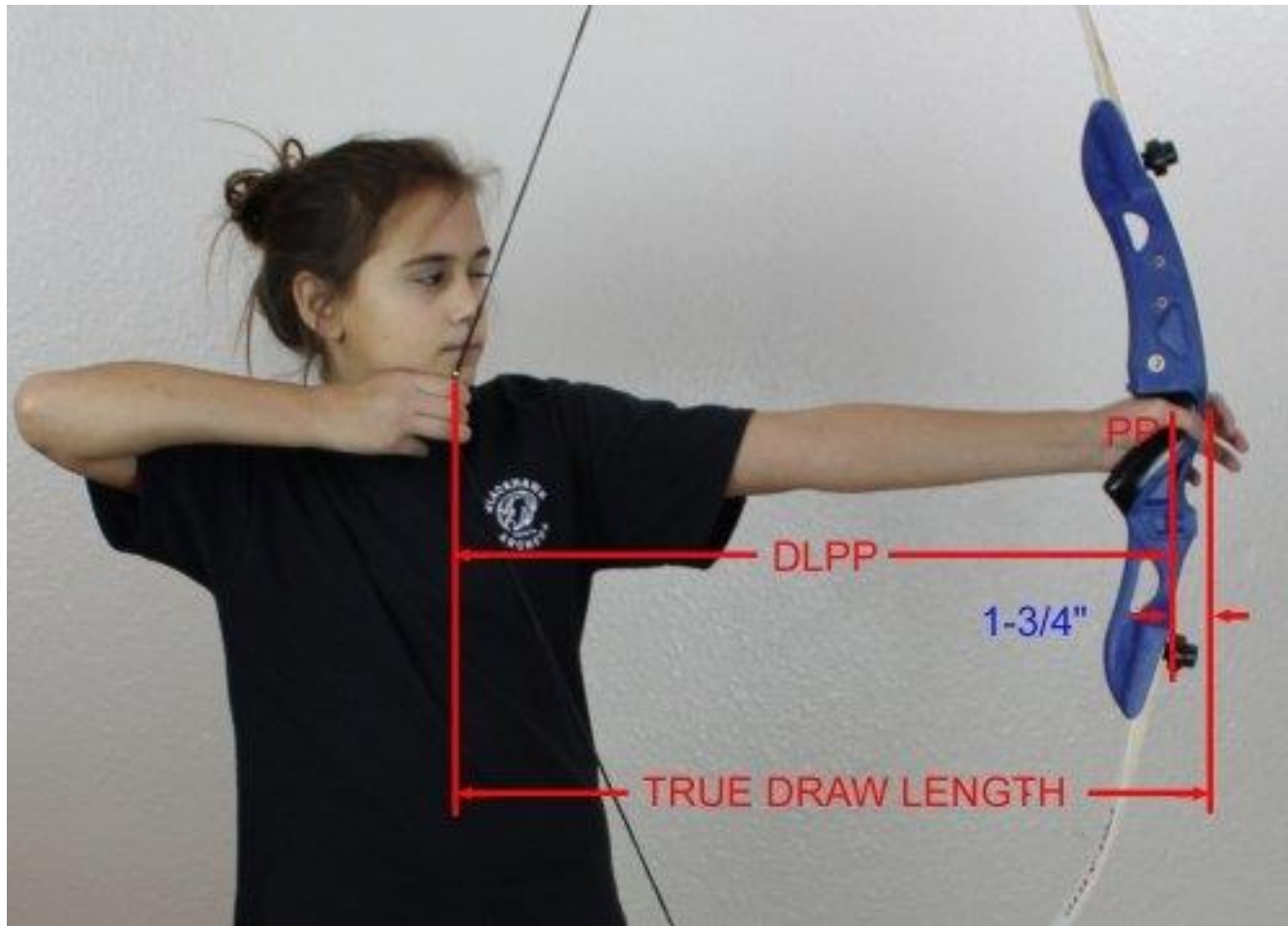
➤ Proper Arrows before Tuning



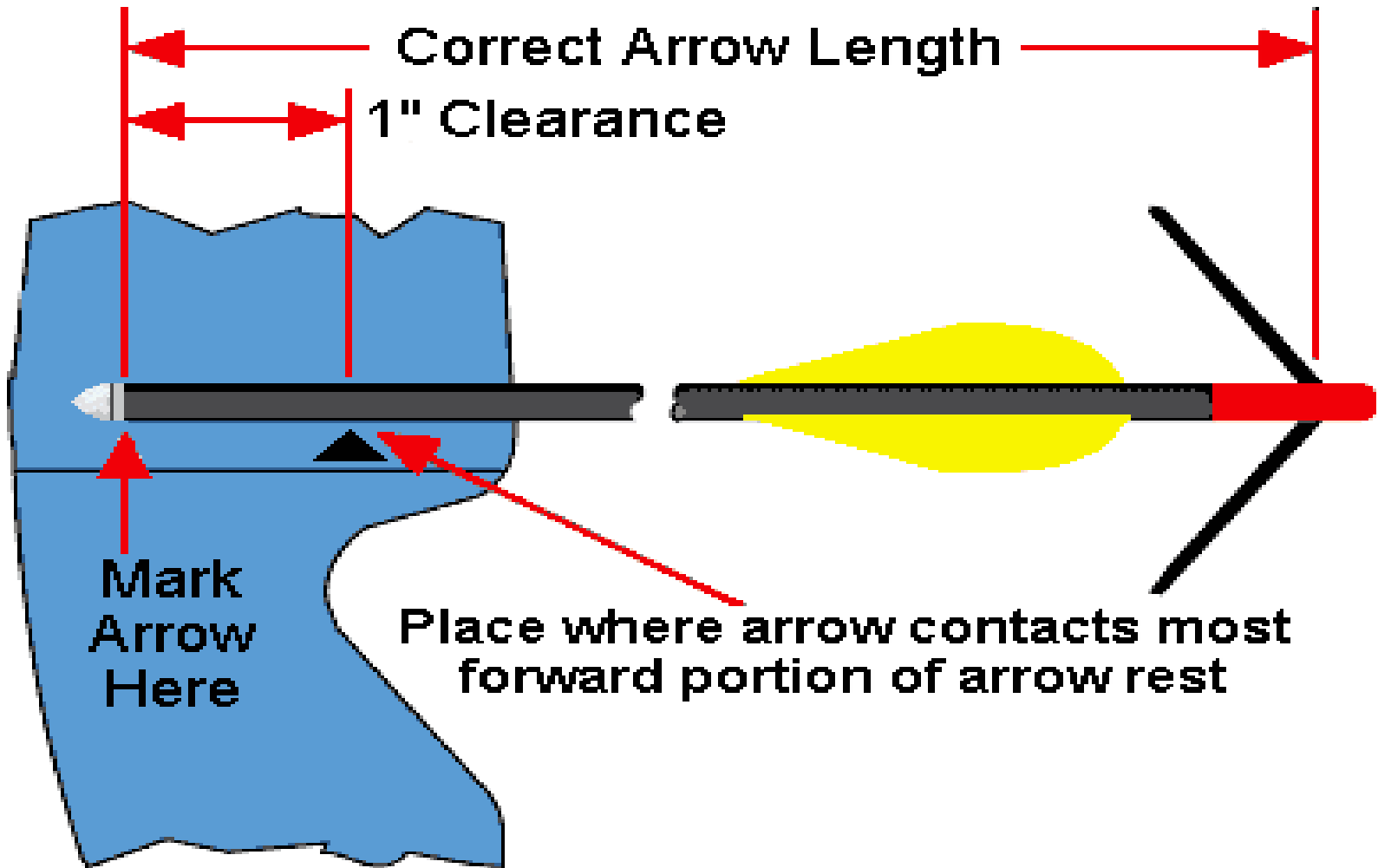
➤ Overview of selecting correct arrows

- Correct Length
- Correct Spine

True Draw Length



Arrow Length



Arrow Length Comments

- New shooters tend to cut their arrows too soon
- Anchor points may lengthen as you get some experience
- Anchor point can easily move from corner of mouth to back of chin over time
- You don't want to be left with short arrows
- Suggest you leave at least 1.5" out in front of riser after shooting a minimum of 100 arrows at full length

Arrow Length & Spine

- Choose a proper length arrow
 - Draw Length + 1" (Minimum)
- Use an 'Arrow Chart' to select correct spine
 - Length of Arrow NOT draw length

ARROW SELECTION

COMPOUND BOW – Release Aid Calculated Peak Bow Weight – lbs

YOUR ARROW

LENGTH FOR TARGET • FIELD • 3D

RECURVE BOW

| Bow Rating - up to 275 FPS | Bow Rating - 276-300 FPS | Bow Rating - 301-320 FPS | Bow Rating - 321-340 FPS | 23" | 24" | 25" | 26" | 27" | 28" | 29" | 30" | 31" | 32" | Bow Weight - lbs. - Finger Release |
|----------------------------|---------------------------|---------------------------|---------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------------|
| 29-35 lbs. (13.2-15.9 kg) | | | | 00 | 01 | 02 | 03 | T1 | T2 | T3 | | | | 21-27 lbs. (9.5-12.2 kg) |
| 35-40 lbs. (15.9-18.1 kg) | 29-35 lbs. (13.2-15.9 kg) | | | 01 | 02 | 03 | T1 | T2 | T3 | T4 | T5 | | | 27-32 lbs. (12.2-14.5 kg) |
| 40-45 lbs. (18.1-20.4 kg) | 35-40 lbs. (15.9-18.1 kg) | 29-35 lbs. (13.2-15.9 kg) | | 02 | 03 | T1 | T2 | T3 | T4 | T5 | T6 | T7 | | 32-36 lbs. (14.5-16.3 kg) |
| 45-50 lbs. (20.4-22.7 kg) | 40-45 lbs. (18.1-20.4 kg) | 35-40 lbs. (15.9-18.1 kg) | | 03 | T1 | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | 36-40 lbs. (16.3-18.1 kg) |
| 50-55 lbs. (22.7-24.9 kg) | 45-50 lbs. (20.4-22.7 kg) | 40-45 lbs. (18.1-20.4 kg) | 35-40 lbs. (15.9-18.1 kg) | T1 | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | 40-44 lbs. (18.1-20.0 kg) |
| 55-60 lbs. (24.9-27.2 kg) | 50-55 lbs. (22.7-24.9 kg) | 45-50 lbs. (20.4-22.7 kg) | 40-45 lbs. (18.1-20.4 kg) | T2 | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | 44-48 lbs. (20.0-21.8 kg) |
| 60-65 lbs. (27.2-29.5 kg) | 55-60 lbs. (24.9-27.2 kg) | 50-55 lbs. (22.7-24.9 kg) | 45-50 lbs. (20.4-22.7 kg) | T3 | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | 48-52 lbs. (21.8-23.6 kg) |
| 65-70 lbs. (29.5-31.8 kg) | 60-65 lbs. (27.2-29.5 kg) | 55-60 lbs. (24.9-27.2 kg) | 50-55 lbs. (22.7-24.9 kg) | T4 | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | T13 | 52-57 lbs. (24.0-25.9 kg) |
| 70-76 lbs. (31.8-34.5 kg) | 65-70 lbs. (29.5-31.8 kg) | 60-65 lbs. (27.2-29.5 kg) | 55-60 lbs. (24.9-27.2 kg) | T5 | T6 | T7 | T8 | T9 | T10 | T11 | T12 | T13 | T14 | 58-62 lbs. (26.3-28.1 kg) |
| 76-82 lbs. (34.5-37.2 kg) | 70-76 lbs. (31.8-34.5 kg) | 65-70 lbs. (29.5-31.8 kg) | 60-65 lbs. (27.2-29.5 kg) | T6 | T7 | T8 | T9 | T10 | T11 | T12 | T13 | T14 | T15 | 63-67 lbs. (28.6-30.4 kg) |
| 82-88 lbs. (37.2-39.9 kg) | 76-82 lbs. (34.5-37.2 kg) | 70-76 lbs. (31.8-34.5 kg) | 65-70 lbs. (29.5-31.8 kg) | T7 | T8 | T9 | T10 | T11 | T12 | T13 | T14 | T15 | T16 | 68-73 lbs. (30.8-33.1 kg) |

For ATA Speed of 341-350 FPS: Start in 321-340 FPS column, drop down one row in chart. Examples: 58B-31in-345 FPS: drops down one row, shift in Group T3
46B-28in-345 FPS: drops down one row, shift from Group T8 to Group T9

For ATA Speed of 351+ FPS: Start in 321-340 FPS column, drop down two rows in chart. Examples: 59B-31in-355 FPS: drops down two rows, shift from Group T13 to Group T14
47B-28in-355 FPS: drops down two rows, shift from Group T8 to Group T10

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|----------|-------|---------|---------------|----------|-------|---------|---------------|----------|-------|---------|---------------|----------|-------|---------|---------------|
| Group 00 | | | | Group 01 | | | | Group 02 | | | | Group 03 | | | |
| 1800 | 1.600 | Carb1 | 3.6 | 2-00 | 1.500 | A/C/G | 4.7 | 1250 | 1.250 | A/C/E | 5.1 | 1100 | 1.100 | A/C/E | 5.1 |
| 1800 | 1.600 | Apollo | 3.6 | 1500 | 1.500 | A/C/G | 4.7 | 1300 | 1.300 | A/C/G | 5.1 | 1150 | 1.150 | A/C/G | 5.5 |
| 1800 | 1.600 | Inspire | 3.6 | 1600 | 1.600 | Carb1 | 3.8 | 3L-00 | 1.300 | A/C/C | 5.1 | 3-00 | 1.150 | A/C/C | 5.5 |
| 1214 | 2.513 | 75 | 5.9 | 1600 | 1.600 | Apollo | 3.8 | 1400 | 1.400 | Carb1 | 4.2 | 1150 | 1.150 | Carb1 | 5.0 |
| 1413 | 2.036 | 75 | 5.9 | 1600 | 1.600 | Inspire | 3.8 | 1400 | 1.400 | Apollo | 4.2 | 1200 | 1.200 | Inspire | 7.2 |
| | | | | 1416 | 1.604 | 75 | 7.1 | 1400 | 1.400 | Inspire | 4.2 | 1200 | 1.200 | Apollo | 5.5 |
| | | | | 1516 | 1.403 | 75 | 7.3 | 1400 | 1.400 | Vector | 3.9 | 1200 | 1.200 | Vector | 6.0 |
| | | | | | | | | 1514 | 1.379 | X7 | 6.8 | 1614 | 1.133 | X7 | 7.7 |

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|-----------|-------------|---------|---------------|-----------|-------------|---------|---------------|-----------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|
| Group 04 | | | | Group 05 | | | | Group 06 | | | | Group 07 | | | |
| *210-210R | 0.210-0.210 | A/C/E | 6.4 | *610-210R | 0.610-0.210 | A/C/E | 5.9 | *610-610R | 0.610-0.610 | A/C/E | 6.1 | *570-570R | 0.570-0.620 | A/C/E | 6.3 |
| *200-250R | 0.200-0.250 | X10 | 6.7 | *650-210R | 0.650-0.210 | X10 | 6.8 | *600-650R | 0.600-0.650 | X10 | 7.0 | *550-600R | 0.550-0.600 | X10 | 7.5 |
| 720 | 0.720 | ProTour | 6.2 | 670 | 0.670 | ProTour | 6.5 | 620 | 0.620 | ProTour | 6.7 | 570 | 0.570 | ProTour | 6.9 |
| *210-610R | 0.210-0.610 | A/C/G | 6.5 | *600-210R | 0.600-0.210 | A/C/G | 6.9 | *610-650R | 0.610-0.650 | A/C/G | 7.3 | *540-610R | 0.540-0.610 | A/C/G | 7.7 |
| 3L-04 | 0.830 | A/C/C | 6.7 | 3L-04 | 0.750 | A/C/C | 7.0 | 3-04 | 0.680 | A/C/C | 7.2 | 3L-18 | 0.620 | A/C/C | 7.5 |
| 3L-04 | 0.750 | A/C/C | 7.0 | 3-04 | 0.680 | A/C/C | 7.2 | 560 | 0.560 | Carb1 | 6.6 | 500 | 0.500 | Vector | 6.9 |
| 730 | 0.730 | Carb1 | 6.0 | 660 | 0.660 | Carb1 | 6.6 | 630 | 0.630 | Inspire | 7.9 | 570 | 0.570 | Inspire | 8.2 |
| 750 | 0.750 | Inspire | 8.1 | 650 | 0.650 | Inspire | 7.9 | 670 | 0.670 | Apollo | 7.7 | 610 | 0.610 | Apollo | 8.1 |
| 840 | 0.840 | Apollo | 6.5 | 740 | 0.740 | Apollo | 7.2 | 2013 | 0.610 | 75 | 9.0 | 560 | 0.560 | LSpd | 6.5 |
| 1813 | 0.874 | 75 | 7.9 | 1913 | 0.733 | 75 | 8.3 | 1914 | 0.658 | X7 | 9.3 | 500 | 0.500 | FB | 7.1 |
| 1814 | 0.799 | X7 | 8.6 | 1914 | 0.658 | X7 | 9.3 | 1916 | 0.623 | 75 | 10.0 | 2013 | 0.620 | 75 | 9.0 |
| 1816 | 0.756 | 75 | 9.3 | | | | | 2014 | 0.579 | X7 | 9.6 | 2014 | 0.579 | X7 | 9.6 |
| | | | | | | | | 1916 | 0.623 | 75 | 10.1 | 2016 | 0.531 | 75 | 10.6 |
| | | | | | | | | 425 | 0.475 | SDRIVE 23 | 6.4 | 475 | 0.475 | SDRIVE 23 | 6.4 |

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|-----------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|----------|-------|-----------|---------------|
| Group 08 | | | | Group 09 | | | | Group 10 | | | | Group 11 | | | |
| *410-410R | 0.410-0.410 | A/C/E | 7.0 | *400-410R | 0.400-0.410 | A/C/E | 7.5 | *370-410R | 0.370-0.410 | A/C/E | 7.9 | 390R | 0.370 | A/C/E | 7.9 |
| *410-450R | 0.410-0.450 | X10 | 8.5 | *380-410R | 0.380-0.410 | X10 | 8.9 | 380R | 0.380 | X10 | 8.9 | 350R | 0.350 | X10 | 8.4 |
| 420 | 0.420 | ProTour | 8.0 | 350 | 0.350 | ProTour | 8.4 | 330 | 0.330 | ProTour | 8.4 | 340 | 0.340 | ProTour | 8.8 |
| *430-480R | 0.430-0.480 | A/C/G | 8.9 | *430-480R | 0.430-0.480 | A/C/G | 8.9 | 3-49 | 0.390 | A/C/C | 8.8 | 3-60 | 0.340 | A/C/C | 9.5 |
| 3-39 | 0.640 | A/C/C | 8.6 | 3-39 | 0.640 | A/C/C | 8.6 | 3-60 | 0.340 | A/C/C | 9.5 | 3-71 | 0.320 | A/C/C | 9.9 |
| 450 | 0.450 | FMJMatch | 9.4 | 3-49 | 0.390 | A/C/C | 8.8 | 375 | 0.375 | FMJMatch | 10.3 | 340 | 0.340 | LSpd | 8.2 |
| 450 | 0.450 | Carb1 | 8.1 | 400 | 0.400 | FMJMatch | 10.0 | 400 | 0.400 | LSpd | 7.4 | 340 | 0.340 | FB | 8.3 |
| 400 | 0.400 | LSpd | 7.4 | 410 | 0.410 | Carb1 | 8.5 | 408 | 0.408 | FB | 7.8 | 290 | 0.290 | SDRIVE 25 | 7.8 |
| 400 | 0.400 | FB | 7.8 | 400 | 0.400 | LSpd | 7.4 | 290 | 0.290 | SDRIVE 25 | 7.9 | 350 | 0.350 | X7 | 8.4 |
| 2311 | 0.450 | X7 | 8.9 | 408 | 0.400 | FB | 7.8 | 330 | 0.330 | FBORE | 8.4 | 2511 | 0.348 | X7 | 9.6 |
| 2312 | 0.423 | X7 | 9.5 | 2415 | 0.365 | X7 | 10.5 | 2415 | 0.365 | X7 | 75 | 2512 | 0.321 | X7 | 10.3 |
| 2213 | 0.600 | X7 | 75 | 2214 | 0.425 | X7 | 10.4 | 2314 | 0.390 | X7 | 75 | 2012 | 0.285 | X7 | 10.7 |
| 2214 | 0.425 | X7 | 10.4 | 2314 | 0.390 | X7 | 10.8 | 2315 | 0.340 | X7 | 75 | 2013 | 0.265 | X7 | 11.5 |
| 2315 | 0.461 | 75 | 10.8 | 2412 | 0.400 | X7 | 9.7 | 2511 | 0.348 | X7 | 9.6 | 2212 | 0.260 | X7 | 11.5 |
| 375 | 0.375 | SDRIVE 23 | 6.9 | 375 | 0.375 | SDRIVE 23 | 6.9 | 375 | 0.375 | SDRIVE 23 | 6.9 | 325 | 0.325 | SDRIVE 23 | 7.4 |

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|------------|-------------|---------|---------------|-----------|-------------|---------|---------------|
| Group 11 | | | | Group 12 | | | |
| *500-1000R | 0.500-1.000 | A/C/E | 5.8 | *720-850R | 0.720-0.850 | A/C/E | 6.0 |
| *600-1000R | 0.600-1.000 | X10 | 5.8 | *750-830R | 0.750-0.830 | X10 | 6.4 |
| *800-1000R | 0.800-1.000 | A/C/G | 5.9 | 770 | 0.770 | ProTour | 6.0 |
| 2L-04 | 1.600 | A/C/C | 6.1 | *810-880R | 0.810-0.880 | A/C/G | 6.1 |
| 2-04 | 0.920 | A/C/C | 6.5 | 2-04 | 0.920 | A/C/C | 6.5 |
| 900 | 0.900 | Carb1 | 5.3 | 810 | 0.810 | Carb1 | 5.8 |
| 1000 | 1.000 | Apollo | 5.9 | 950 | 0.950 | Apollo | 6.2 |
| 1000 | 1.000 | Inspire | 7.2 | 900 | 0.900 | Inspire | 7.7 |
| 1000 | 1.000 | Vector | 5.0 | 1114 | 0.963 | X7 | 8.1 |
| 1713 | 1.044 | 75 | 7.4 | 1716 | 0.880 | 75 | 9.0 |
| 1714 | 0.963 | X7 | 8.1 | | | | |
| 1616 | 1.009 | 75 | 8.4 | | | | |

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|-----------|-------------|-----------|---------------|-----------|-------------|-----------|---------------|
| Group 13 | | | | Group 14 | | | |
| *510-510R | 0.510-0.510 | A/C/E | 6.7 | *710-510R | 0.710-0.510 | A/C/E | 6.8 |
| *600-510R | 0.600-0.510 | X10 | 7.8 | *450-500R | 0.450-0.500 | X10 | 8.1 |
| 520 | 0.520 | ProTour | 7.3 | 470 | 0.470 | ProTour | 7.6 |
| *540-610R | 0.540-0.610 | A/C/G | 7.7 | *480-540R | 0.480-0.540 | A/C/G | 8.4 |
| 3-18 | 0.560 | A/C/C | 7.8 | 3-28 | 0.500 | A/C/C | 8.1 |
| 3-28 | 0.530 | A/C/C | 8.1 | 3-39 | 0.440 | A/C/C | 8.6 |
| 530 | 0.530 | FMJMatch | 8.4 | 490 | 0.490 | FMJMatch | 8.9 |
| 550 | 0.550 | Carb1 | 6.9 | 500 | 0.500 | Carb1 | 7.4 |
| 560 | 0.560 | Apollo | 8.4 | 500 | 0.500 | LSpd | 6.5 |
| 560 | 0.560 | LSpd | 6.5 | 500 | 0.500 | FB | 7.1 |
| 500 | 0.500 | FB | 7.1 | 2212 | 0.505 | X7 | 8.8 |
| 2212 | 0.505 | X7 | 8.8 | 2213 | 0.460 | X7 | 75 |
| 2114 | 0.510 | X7 | 75 | 2114 | 0.510 | X7 | 75 |
| 2016 | 0.511 | 75 | 10.6 | 475 | 0.475 | SDRIVE 23 | 6.4 |
| 475 | 0.475 | SDRIVE 23 | 6.4 | | | | |

| Size | Spine | Model | Weight Grains | Size | Spine | Model | Weight Grains |
|----------|-------|-----------|---------------|----------|-------|-------|---------------|
| Group 15 | | | | Group 16 | | | |
| 3218 | 0.325 | X10 | 8.8 | 270 | 0.270 | FBORE | 9.0 |
| 3-71 | 0.300 | A/C/C | 9.9 | 2013 | 0.265 | X7 | 11.5 |
| 250 | 0.250 | SDRIVE 25 | 7.8 | 2212 | 0.260 | X7 | 11.3 |

What Arrow Do You Choose?

- Use the Arrow Chart
- Recurve Bow Draw Weight = 24lbs.
- Archer's Draw Length = 27"

- Calculate True Draw Weight / Arrow Length
- Find a suitable arrow

Finger Tabs

- A Finger Tab or Glove Should be Used
 - 3 Under Tab – Barebow
 - 1 Over Tab – Olympic
- String Guard – Raw Beginner

Glove – (3 Finger)



1 Over Tab



3 Under Tab



Tuning the Recurve

- As shooting improves, Fine Tuning Needed
- Before We Tune
 - Know how to Aim and Shoot
 - Be able to shoot a 'reasonable' Group

Group – grade 'D'



Group – Grade 'B'



Group – Grade 'A'



Why Tune?

- Arrow Needs to come off Bow straight
- Match Bow and Arrows (Spine)
- Greatest Bow Efficiency / Accuracy

Recurve Tuning Process

- Bare Shaft Tuning
 - Adjust nock point height
 - Check & Adjust to arrow Spine
- Fine Adjustment of Draw Weight
- Fine Adjustment of Brace Height
- Fine Adjustment of Tiller
- Fine Adjustment of Plunger Tension

Olympic

- Competition Class of Bow = Recurve
- ONLY class shot in the Olympics
- A Recurve Bare Bow with Sight and Stabilizers

Olympic Recurve



The Olympic Recurve



The Sight

- Competition Class Allows a Sight device
 - Adjustable Elevation and Windage
 - Aperture (dot) for Aim
- CANNOT have any magnification
- Use 'String Blur' as rear sight

Olympic Sight



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The Aperture



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The Clicker Device

- Thin Blade 'rides' on Arrow shaft
- When Arrow Point passes it **CLICKS**
 - Indicates to the Archer Full Draw reached
- Archer Draws until 'click' then releases

Clicker Device



Stabilizers

- Competition Class allows Stabilizers
- Olympic style is Forward and dual Rear
- Steadies sight and absorbs vibration

A Weight Formula

One of many weight Formulas

- Front weight x length = front load
- Front load / rear length = rear load
- 4oz – 30” front rod w/12” rear rod
- $120 / 12 = 10\text{oz}$ at rear rod

Olympic Stabilizers



Archery Club Equipment

- Galaxy Sage - right hand - 25 lbs
- Galaxy Aspire - right hand - 20 and 25 lbs
- Galaxy Aspire - left hand (red) - 25 lbs
- Galaxy Meteor - right hand - 25 lbs
- International - right hand - 37 lbs
- Intrepid 900 regular and long arrows
- Arm guards
- Finger tabs - RH / LH, S - M - L

Club Information

- Club web site: otowarchery.com
- Email: archeryclubotow@gmail.com
- Mentor Program
- “Instructional Sessions”
 - Evaluated and added as needed