

# ARROW SELECTION

## USING THE TARGET ARROW SELECTION CHART

1. Once you have determined your **Correct Target Arrow Length** and **Calculated or Actual Peak Bow Weight**, you are ready to select your correct shaft size:

1.A **Compound bows**. In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type of cam on your bow. Locate your **Calculated Peak Bow Weight** in that column.

1.B **Recurve bows and Modern Longbows**. In the "Recurve Bow Weight" column (right-hand side of the chart), select the column with the bow type. Next, locate your **Actual Peak Bow Weight** in that column.

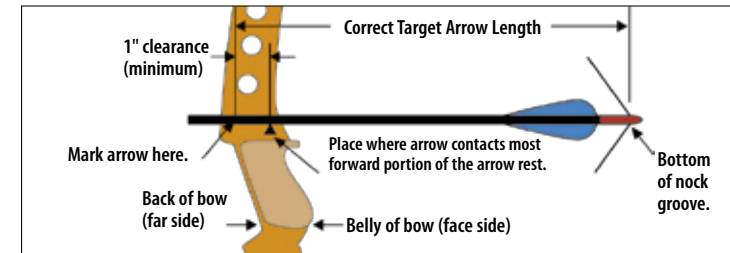
2. Move across that bow-weight row horizontally to the column indicating your **Correct Arrow Length**. Note the letter in the box where your **Calculated or Actual Peak Bow Weight** row and **Correct Target Arrow Length** column intersect. The "Shaft Size" box below the chart with the same letter contains your recommended shaft sizes. Select a shaft from the chart depending on the shaft material, shaft weight, and type of shooting you will be doing.

## SELECTING THE CORRECT TARGET SHAFT SIZE

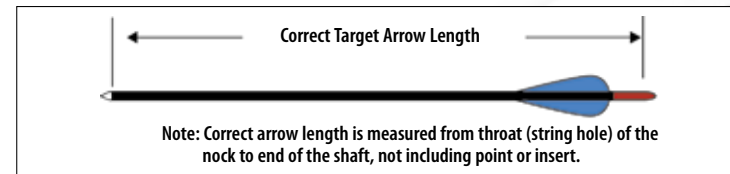
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at [www.eastonarchery.com](http://www.eastonarchery.com)

### 1. Determining Correct Target Arrow Length

The **Correct Arrow Length** for bows (including bows with overdraws) is determined by drawing an extra-long arrow to full draw and having someone mark the arrow one inch in front of where the arrow contacts the most forward portion of the arrow rest.



**Bow Draw Length.** Draw length is measured at full draw from the bottom of the nock groove to the back (far side) of the bow. Actual arrow length and draw length are only the same if the end of the arrow shaft is even with the back of the bow (far side) at full draw.



### 2. Determining Actual Peak Bow Weight Compound Bows

Compound bows must be measured at the peak bow weight as the bow is being drawn and not while letting the bow down.

The suggested shaft sizes in the charts were determined using a "Standard" Setup which includes:

- Use of a release aid
- Compound bow with brace height greater than 6½"

If your setup differs from the "Standard" Setup, use the **Variables** (following) to make adjustments to determine the **Calculated Peak Bow Weight** so the correct arrow size can be selected on the chart.

#### Variables to the "Standard" Setup for Compound Bows

- Point weight over 100 grains—Add 3 lbs. for each 25 grains heavier than 100 grains.
- Bows with brace heights less than 6½"—Add 5 lbs.
- Finger release—Add 5 lbs.

#### Overdraw Compound Bows

If you are using an overdraw, make the variable calculations (if any), and then modify the **Calculated Peak Bow Weight** of your bow using the chart below.

| Length of Overdraw   | 1" | 2" | 3" | 4" | 5"  |
|--|----|----|----|----|-----|
| For 50#–70# Actual/Calculated Peak Bow Weight, add to bow weight — | 1# | 3# | 6# | 9# | 12# |

### 3. DETERMINING ACTUAL PEAK BOW WEIGHT RECURVE AND MODERN LONGBOWS

Your local archery pro shop is the best place to determine the actual draw weight of your bow. **Actual Peak Bow Weight** for recurve bows and longbows should be measured at your draw length.

## LOW POUNDAGE RECURVE BOW

Bow Weight—lbs. Finger Release

## YOUR ARROW LENGTH

|                              | 21" | 22" | 23" | 24" | 25" | 26" | 27" |
|------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 16–20 lbs.<br>(7.3–9.1 kg)   |     |     | Y1  | Y1  | Y2  | Y3  | Y4  |
| 20–24 lbs.<br>(9.1–10.9 kg)  |     | Y1  | Y1  | Y2  | Y3  | Y4  | Y5  |
| 24–28 lbs.<br>(10.9–12.7 kg) | Y1  | Y1  | Y2  | Y3  | Y4  | Y5  | Y6  |
| 28–32 lbs.<br>(12.7–14.5 kg) | Y1  | Y2  | Y3  | Y4  | Y5  | Y6  | Y7  |
| 32–36 lbs.<br>(14.5–16.3 kg) | Y2  | Y3  | Y4  | Y5  | Y6  | Y7  |     |
| 36–40 lbs.<br>(16.3–18.1 kg) | Y3  | Y4  | Y5  | Y6  | Y7  |     |     |

Note: If your arrow shaft is longer than inch length shown, round-up to the next longer increment.

| Size            | Spine | Model   | Weight Grs/Inch | Size            | Spine  | Model   | Weight Grs/Inch |
|-----------------|-------|---------|-----------------|-----------------|--|---------|-----------------|
| <b>Group Y1</b> |       |         |                 | <b>Group Y2</b> |  |         |                 |
| 2000            | 2.000 | Carb1   | 3.4             | 1800            | 1.800  | Carb1   | 3.6             |
| 2000            | 2.000 | Apollo  | 3.4             | 1800            | 1.800  | Apollo  | 3.6             |
| 2000            | 2.000 | Inspire | 3.4             | 1800            | 1.800  | Inspire | 3.6             |
| 1214            | 2.501 | 75      | 5.9             | 1413            | 2.036  | 75      | 5.9             |
| <b>Group Y3</b> |       |         |                 | <b>Group Y4</b> |  |         |                 |
| 1600            | 1.600 | Carb1   | 3.8             | 15020-          | 1.500  | A/C/G   | 4.7             |
| 1600            | 1.600 | Apollo  | 3.8             | 2-00            | 1.500  | A/C/C   | 4.7             |
| 1600            | 1.600 | Inspire | 3.8             | 1400            | 1.400  | Carb1   | 4.2             |
| 1416            | 1.684 | 75      | 7.2             | 1400            | 1.400  | Apollo  | 4.2             |
|                 |       |         |                 | 1400            | 1.400  | Inspire | 3.9             |
|                 |       |         |                 | 1400            | 1.400  | Vector  | 3.9             |
|                 |       |         |                 | 1416            | 1.684  | 75      | 7.2             |
| <b>Group Y5</b> |       |         |                 | <b>Group Y6</b> |  |         |                 |
| 1250            | 1.250 | A/C/E   | 5.1             | 1250            | 1.250  | A/C/E   | 5.1             |
| 1300            | 1.300 | A/C/G   | 5.1             | 1150            | 1.150  | A/C/G   | 5.5             |
| 3L-00           | 1.300 | A/C/C   | 5.1             | 3-00            | 1.150  | A/C/C   | 5.5             |
| 1200            | 1.200 | Apollo  | 5.5             | 1150            | 1.200  | Carb1   | 5.0             |
| 1200            | 1.200 | Inspire | 7.2             | 1200            | 1.200  | Apollo  | 5.5             |
| 1400            | 1.400 | Vector  | 3.9             | 1200            | 1.200  | Inspire | 7.2             |
| 1514            | 1.379 | X7      | 6.8             | 1000            | 1.000  | Vector  | 5.0             |
| 1516            | 1.403 | 75      | 7.3             | 1516            | 1.403  | 75      | 7.3             |
|                 |       |         |                 | 1614            | 1.403  | X7      | 7.7             |
| <b>Group Y7</b> |       |         |                 | <b>KEY</b>      |  |         |                 |
| 1000            | 1.000 | A/C/E   | 5.7             | <b>A/C/E</b>    | Aluminum/Carbon/Extreme                                  |         |                 |
| 1100            | 1.100 | A/C/G   | 5.1             | <b>X10</b>      | X10 Shafts (Aluminum/Carbon)                             |         |                 |
| 1000            | 1.000 | X10     | 5.3             | <b>A/C/G</b>    | A/C/G (Aluminum/Carbon)                                  |         |                 |
| 1000            | 1.000 | A/C/G   | 5.7             | <b>A/C/C</b>    | Aluminum/Carbon/Composite                                |         |                 |
| 3-00            | 1.150 | A/C/C   | 5.5             | <b>Carb1</b>    | Carbon One N-FUSED® Carbon                               |         |                 |
| 1000            | 1.000 | Carb1   | 5.0             | <b>Apollo</b>   | Carbon Apollo  |         |                 |
| 1070            | 1.070 | Apollo  | 5.9             | <b>Inspire</b>  | Carbon Inspire   |         |                 |
| 1000            | 1.000 | Inspire | 7.2             | <b>Vector</b>   | Carbon Vector  |         |                 |
| 1000            | 1.000 | Vector  | 5.0             | <b>X7</b>       | X7 Eclipse (7178 alloy)                                  |         |                 |
| 1614            | 1.153 | X7      | 7.7             | <b>75</b>       | XX75: Platinum Plus, Tribute, Jazz and Neos (7075 alloy) |         |                 |
| 1616            | 1.079 | 75      | 8.4             |                 |  |         |                 |

Note: To determine weight at your shaft length, multiply the grains-per-inch (gpi) by your actual shaft length not including point, insert, or UNI Bushing.

# 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 | 53-57 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 | T13 | 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 | T13 | T14 | 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 | T13 | T14 | T14 | 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:

58lb-31in-345 FPS: drops down one row, still in Group T13

46lb-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:

59lb-31in-355 FPS: drops down two rows, shift from Group T13 to Group T14

47lb-28in-355 FPS: drops down two rows, shift from Group T8 to Group T10

| Size            | Spine | Model   | Weight Grs/inch | Size            | Spine | Model   | Weight Grs/inch | Size            | Spine | Model   | Weight Grs/inch | Size            | Spine | Model   | Weight Grs/inch |
|-----------------|-------|---------|-----------------|-----------------|-------|---------|-----------------|-----------------|-------|---------|-----------------|-----------------|-------|---------|-----------------|
| <b>Group 00</b> |       |         |                 | <b>Group 01</b> |       |         |                 | <b>Group 02</b> |       |         |                 | <b>Group 03</b> |       |         |                 |
| 1800            | 1.800 | 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            | 1.800 | 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            | 1.800 | 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            | 2.501 | 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            | 1.684 | 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             | 1000            | 1.000 | Vector  | 5.0             |
|                 |       |         |                 |                 |       |         |                 | 1514            | 1.379 | X7      | 6.8             | 1614            | 1.153 | X7      | 7.7             |

| <b>Group T3</b> |             |         |     | <b>Group T4</b> |             |         |     | <b>Group T5</b> |             |         |      | <b>Group T6</b> |             |           |      |
|-----------------|-------------|---------|-----|-----------------|-------------|---------|-----|-----------------|-------------|---------|------|-----------------|-------------|-----------|------|
| *720-780R       | 0.720-0.780 | A/C/E   | 6.4 | *670-720R       | 0.670-0.720 | A/C/E   | 5.9 | *620-670R       | 0.620-0.670 | A/C/E   | 6.1  | *570-620R       | 0.570-0.620 | A/C/E     | 6.3  |
| *700-750R       | 0.700-0.750 | X10     | 6.7 | *650-700R       | 0.650-0.700 | 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  |
| *710-810R       | 0.710-0.810 | A/C/G   | 6.5 | *660-710R       | 0.660-0.710 | A/C/G   | 6.9 | *610-660R       | 0.610-0.660 | A/C/G   | 7.3  | *540-610R       | 0.540-0.610 | A/C/G     | 7.7  |
| 3X-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 | 660             | 0.660       | Carb1   | 6.6  | 3-28            | 0.560       | A/C/C     | 7.8  |
| 730             | 0.730       | Carb1   | 6.0 | 660             | 0.660       | Carb1   | 6.6 | 630             | 0.630       | Inspire | 7.9  | 3-18            | 0.530       | A/C/C     | 8.1  |
| 750             | 0.750       | Inspire | 8.1 | 630             | 0.630       | Inspire | 7.9 | 670             | 0.670       | Apollo  | 7.7  | 530             | 0.530       | FMJMatch  | 8.4  |
| 840             | 0.840       | Apollo  | 6.5 | 740             | 0.740       | Apollo  | 7.2 | 2013            | 0.610       | 75      | 9.0  | 550             | 0.550       | Carb1     | 6.9  |
| 1813            | 0.874       | 75      | 7.9 | 1913            | 0.733       | 75      | 8.3 | 1914            | 0.658       | X7      | 9.3  | 500             | 0.500       | LSpd      | 6.5  |
| 1814            | 0.799       | X7      | 8.6 | 1914            | 0.658       | X7      | 9.3 | 1916            | 0.623       | 75      | 10.0 | 500             | 0.500       | FB        | 7.1  |
| 1816            | 0.756       | 75      | 9.3 |                 |             |         |     |                 |             |         |      | 2013            | 0.610       | 75        | 9.0  |
|                 |             |         |     |                 |             |         |     |                 |             |         |      | 2014            | 0.579       | X7        | 9.6  |
|                 |             |         |     |                 |             |         |     |                 |             |         |      | 1916            | 0.623       | 75        | 10.1 |
|                 |             |         |     |                 |             |         |     |                 |             |         |      | 475             | 0.475       | SDRIVE 23 | 6.4  |

| <b>Group T9</b> |             |           |      | <b>Group T10</b> |             |           |      | <b>Group T11</b> |             |           |      | <b>Group T12</b> |       |           |      |
|-----------------|-------------|-----------|------|------------------|-------------|-----------|------|------------------|-------------|-----------|------|------------------|-------|-----------|------|
| *430-470R       | 0.430-0.470 | A/C/E     | 7.0  | *400-430R        | 0.400-0.430 | A/C/E     | 7.5  | *370-400R        | 0.370-0.400 | A/C/E     | 7.9  | 370R             | 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  | 380              | 0.380       | ProTour   | 8.4  | 380              | 0.380       | ProTour   | 8.4  | 340              | 0.340 | ProTour   | 8.8w |
| *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            | 0.440       | A/C/C     | 8.6  | 3-39             | 0.440       | A/C/C     | 8.6  | 3-60             | 0.340       | A/C/C     | 9.5  | 3-71             | 0.300 | 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  | 400              | 0.400       | 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 | 7.8  | 350              | 0.350 | X7        | 8.4  |
| 2311            | 0.450       | X7        | 8.9  | 400              | 0.400       | FB        | 7.8  | 350              | 0.350       | FBORE     | 8.4  | 2511             | 0.348 | X7        | 9.6  |
| 2312            | 0.423       | X7        | 9.5  | 2413             | 0.365       | X7, 75    | 10.5 | 2413             | 0.365       | X7, 75    | 10.5 | 2512             | 0.321 | X7        | 10.3 |
| 2213            | 0.460       | X7, 75    | 9.9  | 2214             | 0.425       | X7        | 10.4 | 2314             | 0.390       | X7, 75    | 10.8 | 2612             | 0.285 | X7        | 10.7 |
| 2214            | 0.425       | X7        | 10.4 | 2314             | 0.390       | X7, 75    | 10.8 | 2315             | 0.340       | X7, 75    | 11.8 | 2613             | 0.265 | X7        | 11.5 |
| 2115            | 0.461       | 75        | 10.8 | 2412             | 0.400       | X7        | 9.7  | 2511             | 0.348       | X7        | 9.6  | 2712             | 0.260 | X7        | 11.3 |
| 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 Grs/inch | Size            | Spine       | Model   | Weight Grs/inch |
|-----------------|-------------|---------|-----------------|-----------------|-------------|---------|-----------------|
| <b>Group T1</b> |             |         |                 | <b>Group T2</b> |             |         |                 |
| *920-1000R      | 0.920-1.000 | A/C/E   | 5.8             | *780-850R       | 0.780-0.850 | A/C/E   | 6.0             |
| *900-1000R      | 0.900-1.000 | X10     | 5.8             | *750-830R       | 0.750-0.830 | X10     | 6.4             |
| *880-1000R      | 0.880-1.000 | A/C/G   | 5.9             | 770             | 0.770       | ProTour | 6.0             |
| 2L-04           | 1.020       | 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             |
| 1070            | 1.070       | 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             | 1714            | 0.963       | X7      | 8.1             |
| 1713            | 1.044       | 75      | 7.4             | 1716            | 0.880       | 75      | 9.0             |
| 1714            | 0.963       | X7      | 8.1             |                 |             |         |                 |
| 1616            | 1.079       | 75      | 8.4             |                 |             |         |                 |

| <b>Group T7</b> |             |           |      | <b>Group T8</b> |             |           |     |
|-----------------|-------------|-----------|------|-----------------|-------------|-----------|-----|
| *520-570R       | 0.520-0.570 | A/C/E     | 6.7  | *470-520R       | 0.470-0.520 | A/C/E     | 6.8 |
| *500-550R       | 0.500-0.550 | 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 |
| 500             | 0.500       | 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    | 9.9 |
| 2114            | 0.510       | X7, 75    | 9.9  | 2114            | 0.510       | X7, 75    | 9.9 |
| 2016            | 0.531       | 75        | 10.6 | 475             | 0.475       | SDRIVE 23 | 6.4 |
| 475             | 0.475       | SDRIVE 23 | 6.4  |                 |             |           |     |

| <b>Group T13</b> |       |           |      | <b>Group T14</b> |       |       |      |
|------------------|-------|-----------|------|------------------|-------|-------|------|
| 325R             | 0.325 | X10       | 8.8  | 270              | 0.270 | FBORE | 9.0  |
| 3-71             | 0.300 | A/C/C     | 9.9  | 2613             | 0.265 | X7    | 11.5 |
| 290              | 0.290 | SDRIVE 25 | 7.8  | 2712             | 0.260 | X7    | 11.3 |
| 270              | 0.270 | FBORE     | 9.0  |                  |       |       |      |
| 2512             | 0.321 | X7        | 10.3 |                  |       |       |      |
| 2612             | 0.285 | X7        | 10.7 |                  |       |       |      |
| 325              | 0.325 | SDRIVE 23 | 7.4  |                  |       |       |      |

Every effort has been made to ensure the accuracy of this catalog. Graphics and images are for illustration purposes only. Due to on-going efforts to improve our products, Easton reserves the right to make changes without notice. 2018 products available for sale on or after December 1, 2017.

## KEY

- A/C/E** Aluminum/Carbon/Extreme
- X10** X10 Shafts (Aluminum/Carbon)
- ProTour** X10 ProTour Shafts (Aluminum/Carbon)
- A/C/G** A/C/G (Aluminum/Carbon)
- A/C/C** Aluminum/Carbon/Composite
- FMJMatch** FMJ Match
- Carb1** Carbon One
- Apollo** Apollo
- Inspire** Inspire
- LSpd** LightSpeed & LightSpeed 3D
- SDRIVE 25** Super Drive 25
- SDRIVE 23** Super Drive 23

# TARGET SHAFT MODELS

| Aluminum/Carbon                        |      |  |                                 |   |   |                                |                                      |                               |                            |   |  |
|--|------|--|---------------------------------|---|---|--------------------------------|--------------------------------------|-------------------------------|----------------------------|---|--|
| Aluminum/Carbon                        | Pg # | Materials/Construction   | Inserts                         | Points  | Nock System                               | Nock Type                      | Weight Tolerance <sup>4</sup>        | Straightness <sup>1</sup>     | Color/Finish               | Sizes   |  |
| <b>X10<sup>®</sup></b>                 | 2    | High-strength carbon fiber bonded to a precision 7075 alloy core tube —barreled shaft      | N/A                             | X10 Ballistic Tungsten Break-off or X10 Stainless Steel Break-off | X10 Pin                                   | Pin Nocks X10 Overnock         | ±0.5 grains                          | ±.0015"                       | Polished Black Carbon      | 1000, 900, 830, 750, 700, 650, 600, 550, 500, 450, 410, 380, 350, 325                         |  |
| <b>X10<sup>®</sup> PROTOUR™</b>        | 2    | High-strength carbon fiber bonded to a precision 7075 alloy core tube — single-taper shaft | N/A                             | X10 Ballistic Tungsten Break-off or X10 Stainless Steel Break-off | X10 or ProTour Pin                        | Pin Nocks                      | ±0.5 grains                          | ±.0015"                       | Polished Black Carbon      | 770, 720, 670, 620, 570, 520, 470, 420, 380, 340  |  |
| <b>A/C/E<sup>®</sup></b>               | 4    | High-strength carbon fiber bonded to a precision 7075 alloy core tube —barreled shaft      | A/C/E Insert                    | Screw-in, One-piece or A/C/E Stainless Steel Break-off            | A/C/E Pin or Insert Nock                  | Pin Nocks or G Nock            | ±0.5 grains                          | ±.0015"                       | Polished Black Carbon      | (1250, 1100) <sup>5</sup> ; 1000, 920, 850, 780, 720, 670, 620, 570, 520, 470, 430, 400, 370  |  |
| <b>A/C/C™</b>                          | 6    | High-strength carbon fiber bonded to a precision 7075 alloy core tube                      | RPS Insert or Halfout Insert    | One-piece Parabolic, NIBB, or RPS Point                           | UNI System                                | G Nock or Pin Nock             | ±0.5 grains                          | ±.002"                        | Black, Micro-smooth Finish | 2-00, 3L-00, 3-00, 2L-04, 2-04, 3X-04, 3L-04, 3-04, 3L-18, 3-18, 3-28, 3-39, 3-49, 3-60, 3-71 |  |
| <b>A/C/G™</b>                          | 4    | High-strength carbon fiber bonded to a precision 7075 alloy core tube                      | A/C/E Insert                    | Screw-in, One-piece, A/C/E or A/C/G Stainless Steel Break-off     | A/C/E & A/C/G Pin or Insert Nock          | Pin Nocks or G Nock            | ±0.5 grain                           | ±.002"                        | Polished Black Carbon      | 1500, 1300, 1150, 1000, 880, 810, 710, 660, 610, 540, 480, 430                                |  |
| <b>FMJ MATCH™</b>                      | 12   | High-strength carbon core bonded to a precision 7075 alloy jacket                          | A/C/E Insert or Deep Six Insert | Screw-in, One-piece, Carbon One Stainless Steel Break-off         | G Nock or G Pin Nock                      | G Nock                         | ±2 grains                            | ±.001"                        | Polished Silver finish     | 530, 490, 450, 400, 375   |  |
| Carbon                                 |      |  |                                 |   |   |                                |                                      |                               |                            |   |  |
| Carbon                                 | Pg # | Materials/Construction   | Inserts                         | Points  | Nock System                               | Nock Type                      | Weight Tolerance <sup>4</sup>        | Straightness <sup>1</sup>     | Color/Finish               | Sizes   |  |
| <b>CARBON ONE™</b>                     | 6    | UltraLite carbon fibers  | A/C/E Insert                    | Carbon One Stainless Steel Break-off                              | A/C/E Pin, Carbon One Pin, or insert Nock | Pin Nock, Pin G Nock, G Nock   | ±1 grains                            | ±.003"                        | Black, Micro-smooth Finish | 2000, 1800, 1600, 1400, 1150, 1000, 900, 810, 730, 660, 600, 550, 500, 450, 410               |  |
| <b>APOLLO™</b>                         | 8    | UltraLite carbon fibers  | A/C/E Insert                    | Apollo One-Piece  | A/C/E Pin, Carbon One Pin, or insert Nock | Pin Nock, Pin G Nock, G Nock   | ±2 grains                            | ±.005"                        | Black, Micro-smooth Finish | 2000, 1800, 1600, 1400, 1200, 1070, 950, 840, 740, 670, 610, 560                              |  |
| <b>SUPERDRIVE 23™</b>                  | 10   | Multi-layer wrapped Carbon fiber   | N/A                             | One-piece   | Super UNI, G Nock Uni, or G Pin Nock      | 3D, Super, G Nock, or Pin Nock | ±1 grains                            | ±.003"                        | Black, Smooth-matte Finish | 475, 375, 325   |  |
| <b>SUPERDRIVE 25™</b>                  | 10   | Multi-layer wrapped Carbon fiber   | N/A                             | One-piece   | Super UNI, G Nock Uni, or G Pin Nock      | 3D, Super, G Nock, or Pin Nock | ±1 grains                            | ±.002"                        | Black, Smooth-matte Finish | 290   |  |
| <b>LIGHTSPEED 3D™ LIGHTSPEED™</b>      | 18   | SuperLite Carbon multi-layer wrapped fibers  | CB Insert                       | CB or RPS Point   | UNI System                                | G Nock                         | ±2 grains                            | ±.001" ±.003"                 | Black, Smooth-matte Finish | 500, 400, 340   |  |
| <b>INSPIRE™</b>                        | 8    | Small diameter protruded carbon  | NA                              | Zinc One-piece Point  | NA  | G Nock or X Nock               | NA                                   | NA                            | Black, Smooth-matte Finish | 2000, 1800, 1600, 1400, 1200, 1000, 900, 750, 630, 570  |  |
| Aluminum                               |      |  |                                 |   |   |                                |                                      |                               |                            |   |  |
| Aluminum                               | Pg # | Aerospace Alloy  | Strength <sup>3</sup> (psi)     | Inserts   | Points                                    | Nock System                    | Nock Type                            | Weight Tolerance <sup>4</sup> | Straightness <sup>1</sup>  | Color/Finish  | Sizes  |
| <b>X<sup>2</sup>3™ X<sup>2</sup>7™</b> | 14   | 7178-T9  | 105,000                         | RPS Insert  | NIBB, One-Piece Bullet or RPS Point       | Super UNI System               | 3D Super, Super Nock or S Nock       | ±3/4%                         | + .001"                    | Diamond Polished Silver Anodized  | 2712, 2312, 2314, 2315, 2318   |
| <b>ECLIPSE™</b>                        | 16   | 7178-T9  | 105,000                         | Not Available   | NIBB or One-piece Bullet                  | UNI or Super UNI System        | 3D Super Super Nock S Nock or G Nock | ±3/4%                         | ±.001"                     | Hard-Anodized Polished Black  | 1514, 1614, 1714, 1814, 1914, 2014, 2114, 2212, 2213, 2214, 2311, 2312, 2314, 2315, 2412, 2413, 2511, 2512, 2612, 2613, 2712 |
| <b>XX75 PLATINUM™ PLUS</b>             | 20   | 7075-T9  | 96,000                          | RPS Insert  | NIBB, One-piece Bullet, or RPS Point      | UNI or Super UNI System        | 3D Super Super Nock or S Nock        | ±1%                           | ±.002"                     | Hard-Anodized Platinum Grey   | 1416, 1516, 1616, 1713, 1716, 1813, 1816, 1913, 1916, 2013, 2016, 2114, 2213, 2315   |
| <b>JAZZ™</b>                           | 20   | 7075   | 90,000                          | RPS Insert 1716 & up  | NIBB, One-piece Bullet, or RPS Point      | Full-Diameter Taper Swage      | Conventional or G Nock <sup>6</sup>  | ±2%                           | ±.005"                     | Hard-Anodized Purple/Silver   | 1214 <sup>4</sup> , 1413, 1416, 1516, 1616, 1716, 1816, 1916, 2016   |
| <b>TRIBUTE™</b>                        | 20   | 7075   | 90,000                          | RPS Insert 1716 & up  | NIBB, One-Piece Bullet or RPS Point       | Full-Diameter Taper Swag       | Conventional or G Nock               | ±2%                           | ±.005"                     | Hard-Anodized Black   | 1214 <sup>4</sup> , 1413, 1416, 1516, 1616, 1716, 1816, 1916, 2016   |
| <b>GENESIS™</b>                        | 16   | 7075   | 90,000                          | Not Available   | One-piece Point                           | Full-Diameter                  | N Nock                               | ±2.5 grains                   | ±.005"                     | Hard-Anodized Bright Blue, Orange, Black  | 1820   |
| <b>NEOS™</b>                           | 20   | 7075   | 90,000                          | Not Available   | One-piece Point                           | Full-Diameter Taper Swage      | Conventional                         | ±5%                           | ±.008"                     | Hard-Anodized Gold  | 1618   |

1 Guaranteed straight to more stringent standards than ATA/ASTM methods.  
 2 Guaranteed to meet or exceed similar carbon-industry straightness specifications.  
 3 Tensile strength value may vary ±3%.  
 4 Grains-per-shafts in a dozen bundle.  
 5 Special order only.  
 6 1214 size Jazz uses direct-fit G Nock.  
 Eclipse and Platinum Plus sizes in italics use UNI System and G Nock.  
<sup>®</sup>Registered Trademark of Easton.

**LIMITED WARRANTY**  
 The Easton arrow shaft limited warranty covers any defects in material and/or workmanship for one year from the original owner's date of purchase. Arrow shafts that are defective will be replaced by your local Easton dealer with proof of purchase. Damage caused by impact from other arrows, impact with hard objects, improper cleaning or fletching, or from normal wear and tear is not covered by Easton's limited warranty. The limited warranty also does not cover damage resulting from your failure to follow Easton's written instructions. For written instructions and warranty details see [www.eastonarchery.com](http://www.eastonarchery.com).

**ARCHERY EXPERTS**  
 For more information on arrow preparation and assembly, visit: [www.eastonarchery.com](http://www.eastonarchery.com)

# ALUMINUM SHAFT COMPONENT SPECIFICATION

| Size | Shaft Weight      |                 | Spine @ 28"          | Stock Length <sup>3</sup> |                 | Conventional Nock | UNI System <sup>5</sup>  |                                 | NIBB Point          | One-piece Bullet Point | RPS <sup>7</sup> Insert Alum. | RPS <sup>7</sup> Point Size |
|------|-------------------|-----------------|----------------------|---------------------------|-----------------|-------------------|--------------------------|---------------------------------|---------------------|------------------------|-------------------------------|-----------------------------|
|      | XX75 <sup>1</sup> | X7 <sup>2</sup> | Span                 | XX75 <sup>1</sup>         | X7 <sup>2</sup> | Size <sup>4</sup> | UNI Bushing <sup>6</sup> | Super UNI Bushing <sup>10</sup> | Grains <sup>8</sup> | Grains <sup>8</sup>    | Grains <sup>8</sup>           | Grains <sup>8</sup>         |
|      | Grains per Inch   |                 | Deflection in Inches | Inches                    |                 | Inches            | Grains                   | Grains                          | Grains <sup>8</sup> | Grains <sup>8</sup>    | Grains <sup>8</sup>           | Grains <sup>8</sup>         |
| 1214 | 5.9               | —               | 2.501                | 26½                       | —               | —                 | —                        | —                               | —                   | 45                     | —                             | —                           |
| 1413 | 5.9               | —               | 2.036                | 26                        | —               | 7/32              | —                        | —                               | —                   | 35                     | —                             | —                           |
| 1416 | 7.2               | —               | 1.684                | 27                        | —               | 7/32              | 2                        | —                               | —                   | 46                     | 52                            | —                           |
| 1514 | —                 | 6.8             | 1.379                | —                         | 26½             | —                 | 5                        | —                               | —                   | 61 <sup>9</sup>        | —                             | —                           |
| 1516 | 7.3               | —               | 1.403                | 27½                       | —               | 1/4               | 3                        | —                               | —                   | 48                     | 54                            | —                           |
| 1614 | —                 | 7.7             | 1.153                | —                         | 28              | —                 | 5                        | —                               | —                   | 51                     | —                             | —                           |
| 1616 | 8.4               | —               | 1.079                | 28½                       | —               | 1/4               | 5                        | —                               | —                   | 56                     | 63                            | —                           |
| 1618 | 9.8               | —               | 0.957                | 32½                       | —               | 1/4               | —                        | —                               | —                   | 50                     | —                             | —                           |
| 1713 | 7.4               | —               | 1.044                | 29                        | —               | —                 | 7                        | —                               | —                   | 54                     | —                             | —                           |
| 1714 | —                 | 8.1             | 0.963                | —                         | 29              | —                 | 7                        | —                               | —                   | 56                     | —                             | —                           |
| 1716 | 9.0               | —               | 0.880                | 29                        | —               | 1/4               | 7                        | —                               | —                   | 60                     | 68                            | 10                          |
| 1813 | 7.9               | —               | 0.874                | 30                        | —               | 1/4               | 8                        | —                               | —                   | 56                     | —                             | 14                          |
| 1814 | —                 | 8.6             | 0.799                | —                         | 29½             | —                 | 8                        | —                               | —                   | 60                     | —                             | —                           |
| 1816 | 9.3               | —               | 0.756                | 30                        | —               | 9/32              | 8                        | —                               | —                   | 63                     | 74                            | 12                          |
| 1820 | 12.2              | —               | 0.592                | 29½                       | —               | 9/32              | —                        | —                               | —                   | 59                     | —                             | —                           |
| 1913 | 8.3               | —               | 0.733                | 31                        | —               | 9/32              | 9                        | —                               | —                   | 64                     | —                             | 18                          |
| 1914 | —                 | 9.3             | 0.658                | —                         | 30½             | —                 | 9                        | —                               | —                   | 64                     | —                             | —                           |
| 1916 | 10.0              | —               | 0.623                | 31                        | —               | 9/32              | 9                        | —                               | —                   | 72                     | 82                            | 16                          |
| 2013 | 9.0               | —               | 0.610                | 32                        | —               | —                 | 5                        | —                               | —                   | 68                     | —                             | 21                          |
| 2014 | —                 | 9.6             | 0.579                | —                         | 31½             | —                 | (10)                     | 5                               | —                   | 71                     | —                             | —                           |
| 2016 | 10.6              | —               | 0.531                | 32                        | —               | —                 | —                        | 4                               | —                   | 80                     | 90                            | 20                          |
| 2114 | 9.9               | 9.9             | 0.510                | 31                        | 32½             | —                 | (11)                     | 7                               | —                   | 78                     | 100                           | 25                          |
| 2212 | —                 | 8.8             | 0.505                | —                         | 32½             | —                 | (13)                     | 9                               | —                   | 102 <sup>9</sup>       | 100                           | 31                          |
| 2213 | 9.8               | 9.9             | 0.458                | 31                        | 33½             | —                 | (13)                     | 9                               | —                   | 88                     | 100                           | 30                          |
| 2214 | —                 | 10.4            | 0.425                | —                         | 33              | —                 | (13)                     | 9                               | —                   | 103 <sup>9</sup>       | 100                           | —                           |
| 2311 | —                 | 8.9             | 0.450                | —                         | 33              | —                 | (15)                     | 11                              | —                   | 99 <sup>9</sup>        | 100                           | 37                          |
| 2312 | —                 | 9.5             | 0.423                | —                         | 33              | —                 | (15)                     | 11                              | —                   | 99 <sup>9</sup>        | 100                           | 37                          |
| 2314 | 10.7              | 10.8            | 0.391                | 32                        | 33½             | —                 | (14)                     | 10                              | —                   | 100                    | 34                            | 11/32                       |
| 2315 | 11.7              | 11.8            | 0.342                | 32                        | 34              | —                 | —                        | 11                              | —                   | 100                    | 37                            | 11/32                       |
| 2318 | 13.7              | —               | 0.300                | 34¼                       | —               | —                 | —                        | 11                              | —                   | 200                    | —                             | —                           |
| 2412 | —                 | 9.7             | 0.400                | —                         | 34              | —                 | (17)                     | 12                              | —                   | 110                    | 100                           | 40                          |
| 2413 | —                 | 10.5            | 0.365                | —                         | 34              | —                 | (17)                     | 12                              | —                   | 110                    | 100                           | 40                          |
| 2511 | —                 | 9.6             | 0.348                | —                         | 34              | —                 | (20)                     | 15                              | —                   | 108 <sup>9</sup>       | 100                           | 52                          |
| 2512 | —                 | 10.3            | 0.321                | —                         | 34½             | —                 | (20)                     | 15                              | —                   | 108 <sup>9</sup>       | 100                           | 52                          |
| 2612 | —                 | 10.7            | 0.285                | —                         | 34½             | —                 | (22)                     | 17                              | —                   | 150                    | 58                            | 3/8                         |
| 2613 | —                 | 11.5            | 0.265                | —                         | 34½             | —                 | (22)                     | 17                              | —                   | 150                    | 58                            | 3/8                         |
| 2712 | —                 | 11.3            | 0.260                | —                         | 34½             | —                 | —                        | 19                              | —                   | 150/300                | —                             | —                           |

— Indicates not available  
 1 XX75 Tribute, Jazz, Platinum Plus, Genesis.  
 2 X7 Eclipse.  
 3 Length is approximate stock shaft length for each size.  
 4 Nock size for conventional swaged nock taper.  
 5 UNI—Universal Nock Installation System.  
 6 Parentheses indicate smaller G Nock UNI Bushing size is available as an optional accessory.  
 7 RPS = Replaceable Point System with 8-32 ATA Standard thread.  
 8 NIBB point grain weights are ±0.5 grain. All other components are ±1 grain.  
 9 This NIBB point will provide approximately an 8% F.O.C. All other NIBB points are approximately 7% F.O.C. F.O.C. is Front-of-Center balance position on the arrow shaft.  
 10 Super UNI Bushing accepts Super, S, 3D Super Nock, and Micro Super Nock.

## ⚠ WARNING FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY. SEE WARNINGS AND USE AT WWW.BSAFE.WS OR 877-INFO-ETP (877-463-6387).

**BOW INSPECTION**  
 Before shooting any Easton arrow, it is critical to inspect your bow, including all components, to be sure that it is properly adjusted and in good working order. Easton arrows should only be used with bows that have a correct pull weight and draw length (see arrow selection chart at [www.eastonarchery.com/shaft-selector](http://www.eastonarchery.com/shaft-selector)). Selecting the correct arrow and arrow length for the bow is the responsibility of the shooter, and failure to do so could result in personal injury and/or equipment damage.  
**WARNING! NEVER SHOOT AN ARROW WITH AN IMPROPERLY ADJUSTED OR DAMAGED BOW.**

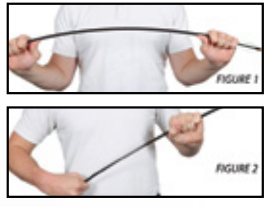
**ARROW BREAKAGE**  
 Any arrow can become damaged. A damaged arrow could break upon release and injure you or a bystander. Damage to an arrow shaft, or any of its components, may occur from improper transport, handling, or use; impacts with hard objects or other arrows; or, after being shot into a game animal. No list can cover all possible conditions and situations that may cause damage. Use good judgment and common sense, as well as follow the warnings and instructions below, to determine if your arrow has been damaged in any way.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**

**ARROW USE PRECAUTIONS**  
 Before each shot (including the first shot of a new arrow) carefully inspect each arrow shaft and all arrow components to see that they have not been damaged. Before shooting, place the arrow between your thumb and fingers, and using your other hand to slowly rotate the shaft, run your fingertips along the entire arrow length, feeling and looking closely for nicks, cracks, splits, dents, or other marks that could indicate the shaft has been damaged (see arrow inspection video at [www.eastonarchery.com/warning-use/](http://www.eastonarchery.com/warning-use/)). If your arrow is crested, inspect for damage on the crest surface and for any soft spots under the crest wrap. You may need to remove the cresting to make a thorough inspection. If damage is present, DISCARD THE ARROW.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**

**ADDITIONAL TESTS FOR CARBON ARROWS**  
 When checking carbon arrows, perform the following additional tests:

- Grasp the shaft just above the point and below the nock, then flex the arrow in an arc (bending it away from you and others) with a deflection of 1 to 2 inches (2.5 to 5 cm), and feel and listen for cracking (Figure 1). Perform this test 4 to 6 times, rotating the arrow slightly between each flex until you have gone around the entire arrow. If you hear or feel cracking, the carbon has been damaged, DISCARD THE ARROW.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**
- While still holding the point and fletching ends of the arrow, twist the shaft in opposite directions (Figure 2). If the arrow "relaxes" or twists easily, the carbon has been damaged. DISCARD THE ARROW.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**

A damaged arrow could break upon release and injure you or a bystander. If you have any reason to believe that an arrow has been damaged, DISCARD THE ARROW.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**



**CARBON ARROW CUTTING**  
 Only cut a carbon arrow using a high-speed arrow cut-off saw. Using any other saw or cutting device may cause damage to the arrow. If an arrow has been cut without using a high-speed arrow cut-off saw, DISCARD THE ARROW.  
**WARNING! NEVER SHOOT A DAMAGED ARROW.**

**To reduce your risk of serious injury or death, you must read and understand all safety warnings and instructions. If you do not understand these instructions, or cannot adequately perform the above tests, STOP and seek appropriate assistance before shooting any arrow.**