

# TABLEAU de SELECTION des TAILLES DE FLECHES

Ce document regroupe les principaux tableaux de sélection des tailles de flèche (Shaft Selector)

- Easton
  - ArchersGear (Avalon – Kinetic)
  - Pierce
  - Skylon
  - W&W
  - X-Line
  - Cross-X
- 
- En dernière page: méthode de vérification du bon spine

**Attention: La longueur de flèche à prendre en compte est:  
la longueur de la flèche du fond d'encoche au Berger-button + 1 pouce sans la pointe (voir feuille suivante)**

## USING THE CORRECT TARGET ARROW SELECTION CHART

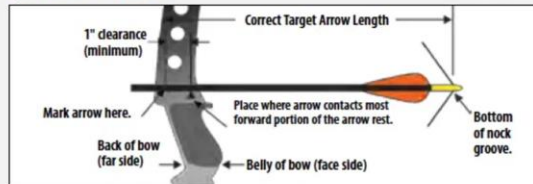
- Once you have determined your Correct Target Arrow Length and Calculated or Actual Peak Bow Weight, you are ready to select your correct shaft size:
  - Compound bows. In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type of cam on your bow. Locate your Calculated Peak Bow Weight in that column.
  - 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.
- 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

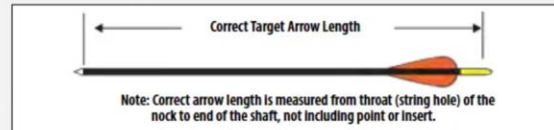
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly & easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at [eastonarchery.com](http://eastonarchery.com)

### 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 60"

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 gr.—Add 3 lbs. for each 25 gr. heavier than 100 gr.
- Bows with brace heights less than 60"—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#

## 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.

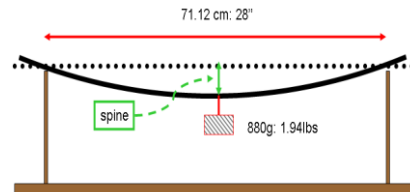
Attention: La longueur de flèche à prendre en compte est: la longueur de la flèche du fond d'encoche au Berger-button + 1 pouce sans la pointe

## Le Spine?

C'est la souplesse du tube exprimée en 1/1000<sup>e</sup> de pouce

C'est la déformation du tube sous un poids de 880gr entre é appuis espacé de 28"

Plus la valeur est grande, plus le tube est souple.



## HOW TO USE THE ARROWSELECTOR CHART

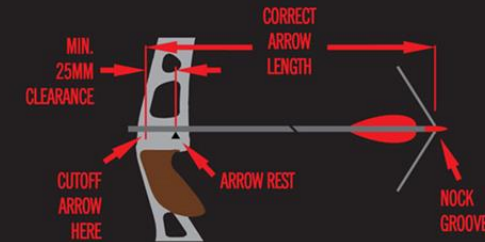
Once you have determined your correct arrow length and peak bow weight, you can select your correct arrow type: for compound bows: in the "arrow speed" column (left-hand side of the chart), select the column with the speed on your bow. Look for your peak bow weight in that column. For recurve bows: select the column with the peak bow weight range of your bow.

Move across that bow-weight row horizontally to the column with your personal arrow length. Note the letter "Axx" in the box where your peak bow weight row and correct arrow length column intersect. The "arrow type" box below the chart with the same letter "Axx" shows your recommended target arrows. Select the arrow which suits your archery needs the most.

## HOW TO SELECT THE CORRECT ARROW SIZE

Our ArrowSelector Chart will help you find the perfect arrow for your personal bow in an easy way.

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 minimum 25mm 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.



## HOW TO FIND YOUR PEAK BOW WEIGHT

Compound bows must be measured at the peak bow weight as the bow is being drawn and not while letting the bow down. Please note that all arrows were determined using a release aid and a brace height > 7".

Recurve bows must be measured at your draw length. Please ask your local archery dealer for assistance.

# EASTON TARGET ARROW SIZE SELECTION 2024

COMPOUND BOW RELEASE AID BOW RATING 301-320 FPS	A/C - ALL-CARBON ARROW CUT LENGTH (measured to throat of nock)														RECURVE BOW FINGER RELEASE CARBON LIMB
	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	34"	
<b>BOW POUNDAGE</b>	<b>RECOMMENDED SHAFT SPINE RANGE</b>														<b>BOW POUNDAGE</b>
< 17	2000	2000	2000-1800	1800-1700	1750-1400	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	<20 lbs.
17-23	2000	2000-1800	1800-1700	1750-1400	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	21-26 lbs.
24-28	2000-1800	1800-1700	1750-1400	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	27-31 lbs.
29-34	1800-1700	1750-1400	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	32-35 lbs.
35-39	1750-1400	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	36-39 lbs.
40-44	1450-1200	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	40-43 lbs.
45-49	1250-1050	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	44-47 lbs.
50-54	1080-880	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	300-250	48-52 lbs.
55-59	900-750	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	300-250	250-200	53-57 lbs.
60-64	800-700	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	300-250	250-200	250-200	58-62 lbs.
65-69	720-625	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	300-250	250-200	250-200	250-200	63-67 lbs.
70-76	675-600	640-570	575-500	525-450	475-400	440-370	400-340	370-310	340-300	300-250	250-200	250-200	250-200	200-150	68-73 lbs.

NOTE: For fractional arrow lengths round up or down to the closest column. Example: If arrow length is 28.25" round down to 28" column. If arrow length is 28.5" round up to 29" column. When selecting an arrow for a recurve bow, it is recommended to choose an arrow on the weaker side of the recommended spine range when multiple size options are available in the recommended spine range.

COMPOUND BOW RELEASE AID BOW RATING 301-320 FPS	ALUMINUM ARROW CUT LENGTH (measured to throat of nock)														RECURVE BOW FINGER RELEASE CARBON LIMB
	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"			
<b>BOW POUNDAGE</b>	<b>RECOMMENDED SHAFT SPINE RANGE</b>														<b>BOW POUNDAGE</b>
< 17			1214	1214	1416, 1516, 1514	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1914, 1916, 2013, RX7-21	<20 lbs.	
17-23		1214	1214	1416, 1516, 1514	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	1916, 2013, 2014, RX7-21	21-26 lbs.	
24-28	1214	1214	1416, 1516, 1514	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2016, RX7-22	27-31 lbs.	
29-34	1214	1416, 1516, 1514	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	32-35 lbs.	
35-39	1416, 1516, 1514	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2213, 2214, 2312, RX7-23	36-39 lbs.	
40-44	1514	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2214, 2314, 2413	40-43 lbs.	
45-49	1614	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2314, 2413, 2315	44-47 lbs.	
50-54	1616, 1714	1716	1816, 1814	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2512, 2613, 2712	2512, 2613, 2712	48-52 lbs.	
55-59	1716	1816, 1913	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	53-57 lbs.	
60-64	1816, 1913	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	58-62 lbs.	
65-69	1914, 1913	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	2613, 2712	63-67 lbs.	
70-76	1914, 1916, 2013, RX7-21	1916, 2013, 2014, RX7-21	2114, 2016, RX7-22	2114, 2213, RX7-23	2213, 2214, 2312, RX7-23	2214, 2314, 2413	2314, 2413, 2315	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	2512, 2613, 2712	2613, 2712		68-73 lbs.	

NOTE: For fractional arrow lengths round up or down to the closest column. Example: If arrow length is 28.25" round down to 28" column. If arrow length is 28.5" round up to 29" column. When selecting an arrow for a recurve bow, it is recommended to choose an arrow on the weaker side of the recommended spine range when multiple size options are available in the recommended spine range.

## ADJUST THE CHART TO YOUR BOW SET-UP

The chart is based on a Bow Speed Rating of 301-320 FPS, glue-in 100 grain points and a mechanical release aid. If your set-up is different, make the following adjustments to your bow point and weight.



### Compound Bow Speed Rating

- Up to 275 FPS = -10 lbs of Bow Weight
- 276-300 FPS = -5 lbs of Bow Weight
- 301-320 FPS = No Adjustment
- 321-340 FPS = +5 lbs of Bow Weight
- 341-350 FPS = +10 lbs of Bow Weight
- 351 FPS or Higher = +15 lbs of Bow Weight

### Compound Release Type

- Mechanical Release = No Adjustment
- Finger Release = +5 lbs of Bow Weight

### Setup Variables--Add/Subtract from Actual Bow Weight

#### Points and Inserts

- Points < 100 Grains = -3 lbs of Bow Weight per 25 Grains of Point Weight < 100 Grains
- Points = 100 Grains = No Adjustment
- Points > 100 Grains = +3 lbs of Bow Weight per 25 Grains of Point Weight > 100 Grains

#### Recurve Bow

- Carbon Competition Limb = No Adjustment
- Wood/Glass Beginner Limb = -5 lbs of Bow Weight

PN 301055-A



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COMPOUND BOW - RELEASE AID PEAK BOW WEIGHT (lbs)				CORRECT ARROW LENGTH FOR TARGET - FIELD - 3D - HUNTING (inch)												RECURVE	
Compound Bow < 275 FPS	Compound Bow 276-300 FPS	Compound Bow 301-340 FPS	Compound Bow 341-360 FPS	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	Recurve Bow	
								A1	A1	A1	A2					16#-19#	
29#-35#								A2	A3	A4	A5	A6					20#-23#
35#-40#	29#-35#					A1	A2	A3	A4	A5	A6	A7	A8				24#-29#
40#-45#	35#-40#	29#-35#				A2	A3	A4	A5	A6	A7	A8	A9	A10	A11		30#-35#
45#-50#	40#-45#	35#-40#	29#-35#			A3	A4	A5	A6	A7	A8	A9	A10	A12	A13		36#-40#
50#-55#	45#-50#	40#-45#	35#-40#			A4	A5	A6	A7	A8	A9	A10	A12	A14	A15		41#-45#
55#-60#	50#-55#	45#-50#	40#-45#			A5	A6	A7	A8	A9	A10	A12	A14	A15	A16		46#-50#
60#-65#	55#-60#	50#-55#	45#-50#			A6	A7	A8	A9	A10	A12	A14	A15	A16	A17		51#-55#
65#-70#	60#-65#	55#-60#	50#-55#			A7	A8	A9	A10	A12	A14	A15	A16	A17	A17		56#-60#
70#-76#	65#-70#	60#-65#	55#-60#			A8	A9	A10	A12	A14	A15	A16	A17	A17	A18		61#-65#
76#-82#	70#-76#	65#-70#	60#-65#			A9	A10	A12	A14	A15	A16	A17	A17	A18	A18		66#-70#
82#-88#	76#-82#	70#-76#	65#-70#			A10	A12	A14	A15	A16	A17	A17	A18	A18			71#-76#

## GROUP A1

Avalon Carbon Tyro 1500  
 Avalon Carbon Tyro 1800  
 Avalon Carbon Classic 1500  
 Avalon Carbon Classic 1800  
 Avalon Carbon Composite 1500  
 Avalon Carbon Composite 1800

## GROUP A2

Avalon Carbon Tec One 1300  
 Avalon Carbon Tyro 1300  
 Avalon Carbon Classic 1300  
 Avalon Carbon Composite 1300

## GROUP A3

Avalon Carbon Tec One 1100  
 Avalon Carbon Classic 1100  
 Avalon Carbon Tyro 1100  
 Avalon Carbon Composite 1100

## GROUP A4

Avalon Carbon Tec One 1000  
 Avalon Carbon Classic 1000  
 Avalon Carbon Tyro 1000  
 Avalon Carbon Composite 1000

## GROUP A5

Avalon Carbon Tec One 900  
 Avalon Carbon Classic 900  
 Avalon Carbon Tyro 900  
 Avalon Carbon Composite 900

## GROUP A6

Avalon Carbon Tec One 800  
 Avalon Carbon Classic 900  
 Avalon Carbon Classic 800  
 Avalon Carbon Tyro 900  
 Avalon Carbon Tyro 800  
 Avalon Carbon Composite 900  
 Avalon Carbon Composite 800  
 Maximal Edge 800

**GROUP A7**

Avalon Carbon Tec One 700  
 Avalon Carbon Classic 800  
 Avalon Carbon Classic 700  
 Avalon Carbon Tyro 800  
 Avalon Carbon Tyro 700  
 Avalon Carbon Composite 800  
 Avalon Carbon Composite 700  
 Maximal Edge 700  
 Maximal Backbone 700  
 Buck Trail Timber 700  
 Buck Trail Outback 700

**GROUP A8**

Avalon Carbon Tec One 600  
 Avalon Carbon Classic 700  
 Avalon Carbon Classic 600  
 Avalon Carbon Tyro 700  
 Avalon Carbon Tyro 600  
 Avalon Carbon Composite 700  
 Avalon Carbon Composite 600  
 Maximal Edge 600  
 Maximal Backbone 600  
 Buck Trail Timber 600  
 Buck Trail Outback 600

**GROUP A9**

Avalon Carbon Tec One 600  
 Avalon Carbon Classic 600  
 Avalon Carbon Tyro 600  
 Avalon Carbon Composite 600  
 Maximal Edge 600  
 Maximal Backbone 600  
 Buck Trail Timber 600  
 Buck Trail Outback 600

**GROUP A10**

Avalon Carbon Tec X 500  
 Avalon Carbon Tec One 600  
 Avalon Carbon Tec One 500  
 Avalon Carbon Classic 600  
 Avalon Carbon Classic 500  
 Avalon Carbon Tyro 600  
 Avalon Carbon Composite 600  
 Maximal Edge 600  
 Maximal Edge 500  
 Maximal Hunt 500  
 Maximal Backbone 600  
 Maximal Backbone 500  
 Buck Trail Timber 600  
 Buck Trail Timber 500  
 Buck Trail Outback 600  
 Buck Trail Outback 500

**GROUP A11**

Avalon Carbon Tec X 500  
 Avalon Carbon Tec One 500  
 Maximal Edge 500  
 Maximal Hunt 500  
 Maximal Backbone 500  
 Buck Trail Timber 500  
 Buck Trail Outback 500

**GROUP A12**

Avalon Carbon Tec X 500  
 Avalon Carbon Tec One 500  
 Avalon Carbon Classic 500  
 Maximal Edge 500  
 Maximal Hunt 500  
 Maximal Backbone 500  
 Buck Trail Timber 500  
 Buck Trail Outback 500

**GROUP A13**

Avalon Carbon Tec X 500  
 Avalon Carbon Tec X 400  
 Avalon Carbon Tec One 500  
 Avalon Carbon Tec One 400  
 Maximal Edge 500  
 Maximal Edge 400  
 Maximal Hunt 500  
 Maximal Hunt 400  
 Maximal Backbone 500  
 Maximal Backbone 400  
 Buck Trail Timber 500  
 Buck Trail Timber 400  
 Buck Trail Outback 500  
 Buck Trail Outback 400

**GROUP A14**

Avalon Carbon Tec X 500  
 Avalon Carbon Tec X 400  
 Avalon Carbon Tec One 500  
 Avalon Carbon Tec One 400  
 Avalon Carbon Classic 500  
 Maximal Edge 500  
 Maximal Edge 400  
 Maximal Hunt 500  
 Maximal Hunt 400  
 Maximal Backbone 500  
 Maximal Backbone 400  
 Buck Trail Timber 500  
 Buck Trail Timber 400  
 Buck Trail Outback 500  
 Buck Trail Outback 400

**GROUP A15**

Avalon Carbon Tec X 400  
 Avalon Carbon Tec One 400  
 Maximal Edge 400  
 Maximal Hunt 400  
 Maximal Backbone 400  
 Buck Trail Timber 400  
 Buck Trail Outback 400

**GROUP A16**

Avalon Carbon Tec X 400  
 Avalon Carbon Tec X 350  
 Avalon Carbon Tec One 400  
 Maximal Edge 400  
 Maximal Edge 350  
 Maximal Hunt 400  
 Maximal Hunt 350  
 Maximal Backbone 400  
 Maximal Backbone 350  
 Buck Trail Timber 400  
 Buck Trail Timber 350  
 Buck Trail Outback 400  
 Buck Trail Outback 350

**GROUP A17**

Avalon Carbon Tec X 350  
 Avalon Carbon Tec X 300  
 Maximal Edge 350  
 Maximal Edge 300  
 Maximal Hunt 350  
 Maximal Hunt 300  
 Maximal Backbone 350  
 Buck Trail Timber 350  
 Buck Trail Outback 350

**GROUP A18**

Avalon Carbon Tec X 300  
 Maximal Edge 300  
 Maximal Hunt 300



COMPOUND BOW - RELEASE AID PEAK BOW WEIGHT ( LBS )				CORRECT ARROW LENGTH FOR TARGET - FIELD - 3D ( INCH )										
COMPOUND BOW <276 FPS	COMPOUND BOW 276-300 FPS	COMPOUND BOW 301 - 340 FPS	COMPOUND BOW 340 - 360 FPS	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	RECURVE BOW
				Y1	Y1	Y2	Y3	Y4						16-19#
29-35#				Y1	Y2	Y3	Y4	A1	A2	A3	A4			20-23#
35-40#	29-35#			Y2	Y3	Y4	A1	A2	A3	A4	A5	A6		24-29#
40-45#	35-40#	29-35#				A1	A2	A3	A4	A5	A6	A7		30-35#
45-50#	40-45#	35-40#	29-35#		A1	A2	A3	A4	A5	A6	A7	A8	A9	36-40#
50-55#	45-50#	40-45#	35-40#	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	41-45#
55-60#	50-55#	45-50#	40-45#	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	46-50#
60-65#	55-60#	50-55#	45-50#	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	51-55#
65-70#	60-65#	55-60#	50-55#	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	56-60#
70-76#	65-70#	60-65#	55-60#	A5	A6	A7	A8	A9	A10	A11	A12	A13		61-65#
76-82#	70-76#	65-70#	60-65#	A6	A7	A8	A9	A10	A11	A12	A13			66-70#

### LOW POUNDAGE RECURVE BOW

<b>GROUP Y1</b>
R 2000 RADIUS
<b>GROUP Y2</b>
R 1800 RADIUS
<b>GROUP Y3</b>
R 1500 RADIUS
<b>GROUP Y4</b>
R 1100 BRIXXON
C 1100 BRIXXON
R 1000 PARAGON
R 1000 PERFORMA
R 1000 PRECIUM
R 1300 RADIUS
R 1100 RADIUS

GROUP A1	
R 1000 BRIXXON	R 900-850 BRIXXON
C 900 BRIXXON	C 800 BRIXXON
R 1000-900 PER/PRE/PAR	R 900-850 PER/PRE/PAR
C 900 PER/PRE/PAR	C 800 PER/PRE/PAR
R 1000-900 RADIUS	R 850-800 RADIUS
C 900 RADIUS	C 800 RADIUS

GROUP A2	
R 900-850 BRIXXON	R 850-800 BRIXXON
C 800 BRIXXON	C 750 BRIXXON
R 900-850 PER/PRE/PAR	R 850-800 PER/PRE/PAR
C 800 PER/PRE/PAR	C 750 PER/PRE/PAR
R 850-800 RADIUS	R 800-750 RADIUS
C 800 RADIUS	C 750 RADIUS

GROUP A3	
R 850-800 BRIXXON	R 800-750 BRIXXON
C 750 BRIXXON	C 700 BRIXXON
800 EDGE	750 EDGE
R 850-800 PER/PRE/PAR	R 800-750 PER/PRE/PAR
C 750 PER/PRE/PAR	C 700 PER/PRE/PAR
R 800-750 RADIUS	R 750-700 RADIUS
C 750 RADIUS	C 700 RADIUS

GROUP A4	
R 750-700 BRIXXON	R 700-650 BRIXXON
C 650 BRIXXON	C 600 BRIXXON
800-700 EDGE	700-600 EDGE
R 750-700 PER/PRE/PAR	R 700-650 PER/PRE/PAR
C 650 PER/PRE/PAR	C 600 PER/PRE/PAR
R 700-650 RADIUS	R 650-600 RADIUS
C 650 RADIUS	C 600 RADIUS

GROUP A5	
R 700-650 BRIXXON	R 650-600 BRIXXON
C 600 BRIXXON	C 550 BRIXXON
700 EDGE	600 EDGE
R 700-650 PER/PRE/PAR	R 650-600 PER/PRE/PAR
C 600 PER/PRE/PAR	C 550 PER/PRE/PAR
R 650-600 RADIUS	R 600-550 RADIUS
C 600 RADIUS	C 550 RADIUS

GROUP A6	
R 600-550 BRIXXON	R 550-500 BRIXXON
C 600-550 BRIXXON	C 550-500 BRIXXON
700-600 EDGE	600-500 EDGE
500 EMPROS	500-400 EMPROS
R 600-550 PER/PRE/PAR	R 550-500 PER/PRE/PAR
C 600-550 PER/PRE/PAR	C 550-500 PER/PRE/PAR
R 600-550 RADIUS	R 550-500 RADIUS
C 550 RADIUS	C 500 RADIUS

GROUP A7	
R 550-500 BRIXXON	R 500-450 BRIXXON
C 500 BRIXXON	C 450 BRIXXON
500 EDGE	450-400 EDGE
500-400 EMPROS	400-350 EMPROS
500 MAVERICK	400-350 MAVERICK
R 550-500 PER/PRE/PAR	R 500-450 PER/PRE/PAR
C 500 PER/PRE/PAR	C 450 PER/PRE/PAR
R 500-450 RADIUS	R 450-400 RADIUS
C 500 RADIUS	C 450 RADIUS

GROUP A8	
R 500 BRIXXON	R 450 BRIXXON
C 450 BRIXXON	C 400 BRIXXON
500-400 EDGE	400-350 EDGE
400 EMPROS	350-300 EMPROS
500-400 MAVERICK	400-350 MAVERICK
R 500 PER/PRE/PAR	R 450 PER/PRE/PAR
C 450 PER/PRE/PAR	C 400 PER/PRE/PAR
R 500-450 RADIUS	R 450-400 RADIUS
C 450 RADIUS	C 400 RADIUS

GROUP A9	
R 450 BRIXXON	R 400 BRIXXON
C 400 BRIXXON	C 350 BRIXXON
400 EDGE	350-300 EDGE
400-350 EMPROS	350-300 EMPROS
400 MAVERICK	350-300 MAVERICK
R 450 PER/PRE/PAR	R 400 PER/PRE/PAR
C 400 PER/PRE/PAR	C 350 PER/PRE/PAR
R 450-400 RADIUS	R 400-350 RADIUS
C 400 RADIUS	C 350 RADIUS

GROUP A10	
R 400 BRIXXON	R 350 BRIXXON
C 400 BRIXXON	C 350 BRIXXON
400-350 EDGE	350-300 EDGE
350 EMPROS	300-250 EMPROS
400-350 MAVERICK	350-300 MAVERICK
R 400 PER/PRE/PAR	R 350 PER/PRE/PAR
C 400 PER/PRE/PAR	C 350 PER/PRE/PAR
R 400 RADIUS	R 350 RADIUS
C 400 RADIUS	C 350 RADIUS

GROUP A11	
350-300 BRUXX	300-250 BRUXX
350 EDGE	300-250 EDGE
350-300 EMPROS	300-250 EMPROS
350 MAVERICK	300-250 MAVERICK
R 400 PER/PRE/PAR	R 350 PER/PRE/PAR
C 400 PER/PRE/PAR	C 350 PER/PRE/PAR

GROUP A12	
300 BRUXX	250 BRUXX
350-300 EDGE	300-250 EDGE
300 EMPROS	250-200 EMPROS
350-300 MAVERICK	300-250 MAVERICK
R 400 PER/PRE/PAR	R 350 PER/PRE/PAR
C 350 PER/PRE/PAR	C 300 PER/PRE/PAR

GROUP A13	
300 BRUXX	250 BRUXX
300 EDGE	250-200 EDGE
300 EMPROS	250-200 EMPROS
300 MAVERICK	250-200 MAVERICK

LEGENDS:  
 R: RECURVE  
 C: COMPOUND  
 ARROW LENGTH MEASURED FROM CUT TO CUT



# W&N EXTREME CARBON

# Atrax

2023

## ATREX Shaft Selection Guide

RECURVE BOW	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	COMPOUND BOW		
													Soft	Medium	Single or Hard
17-23	1900	1700	1500	1400	1300	1200	1100	1000	900				29-35		
24-29	1700	1500	1400	1300	1200	1100	1000	900	800	700			35-40	29-35	
30-35	1500	1400	1300	1200	1100	1000	900	800	700	600	500		40-45	35-40	29-35
36-40	1400	1300	1200	1100	1000	900	800	700	600	500	500	400	45-50	40-45	35-40
41-45	1300	1200	1100	1000	900	800	700	600	500	500	400	400	50-55	45-50	40-45
46-50	1200	1100	1000	900	800	700	600	500	500	400	400	300	55-60	50-55	45-50
51-55	1100	1000	900	800	700	600	500	500	400	400	300	300	60-65	55-60	50-55
56-60	1000	900	800	700	600	500	500	400	400	300	300	300	65-70	60-65	55-60
61-65	900	800	700	600	500	500	400	400	300	300	300		70-76	65-70	60-65
66-70	800	700	600	500	500	400	400	300	300	300			76-82	70-76	65-70
71-76	700	600	500	400	400	400	300	300	300				82-88	76-82	70-76

\* The shaft selection guide use only for reference as it can show some discrepancy depending on individual archer.

## SAFETY ADVISORY

- It is recommended that the shaft be examined for damage before shooting.
- If an arrow has been damaged, please do not shoot it again as it could break on release and sharp arrow pieces could injure you or someone nearby.

MADE BY WIN&WIN

## Win&Win Shaft specification

SIZE	Stock Length	Shaft weight	Straightness Inches			Recommended Point weight range			
	Inches	grain/inch	Atrax-Gold	Atrax	Challenge	Atrax-Gold	Atrax	Challenge	Point Ø
400	33"	9.97	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	6.0
500	33"	7.87	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	6.0
600	33"	7.2	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	6.0
700	33"	6.3	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.7
800	33"	5.83	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.7
900	33"	5.27	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.5
1000	30"	4.97	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.5
1100	30"	4.72	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.5
1300	30"	4.34	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.3
1500	30"	4.03	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.3
1800	30"	2.97	± 0.003"	± 0.006"	± 0.008"	100-120 & 70-90		70&90	5.3

### Spine chart X-Line "MACH-3.1" Arrow

Recurve Bows	21"	22"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	33"	Soft Cam	Medium Cam	Single-/ Hard Cam
17-23#	1800	1800	1500	1500	1300	1300	1100	1000	900	800	700	600	500	29-35#		
24-29#	1800	1500	1500	1300	1300	1100	1000	900	800	700	600	500	500	35-40#	29-35#	
30-35#	1500	1500	1300	1200	1100	1000	900	800	700	600	500	500	400	40-45#	35-40#	29-35#
36-40#	1500	1300	1200	1100	1000	900	800	700	600	500	500	400	400	45-50#	40-45#	35-40#
41-45#	1300	1200	1100	1000	900	800	700	600	500	500	400	400	400	50-55#	45-50#	40-45#
46-50#	1200	1100	1000	900	800	700	600	500	500	400	400	400		55-60#	50-55#	45-50#
51-55#	1100	1000	900	800	700	500	500	400	400	400				60-65#	55-60#	50-55#
56-60#	1000	900	800	700	600	500	500	400	400	400				65-70#	60-65#	55-60#
61-65#	900	800	700	600	500	500	400	400						70-75#	65-70#	60-65#
66-70#	800	700	600	500	500	400	400							75-80#	70-75#	65-70#
71-75#	700	600	500	400	400	400								80-85#	75-80#	70-75#

This chart is for guidance only. Depending on the archer, discrepancies can show.

COMPOUND	CROSS-X SELECTION CHART										RECURVE
	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	
	2500	2500	2000	1800	1500	1300	1100				<15#
	2500	2000	1800	1500	1300	1100	1000				15-19#
	2000	1800	1500	1300	1100	1000	900				19-23#
16-21#	1500	1300	1100	1000	900	800	3.2 750 700	700	3.2 650 600	600	24-28#
22-28#	1300	1100	1000	900	800	3.2 750 700	700	3.2 650 600	600	3.2 550 500	29-34#
29-34#	1100	1000	900	800	3.2 750 700	700	3.2 650 600	600	3.2 550 500	500	35-39#
35-39#	1000	900	800	3.2 750 700	700	3.2 650 600	600	3.2 550 500	500	3.2 450 400	40-45#
40-45#	900	800	3.2 750 700	700	3.2 650 600	600	3.2 550 500	500	3.2 450 400	400	46-51#
46-51#	800	3.2 750 700	700	3.2 650 600	600	3.2 550 500	500	3.2 450 400	400	350	52-57#
52-57#	3.2 750 700	700	3.2 650 600	600	3.2 550 500	500	3.2 450 400	400	350	350	58-63#
58-63#	700	3.2 650 600	600	3.2 550 500	500	3.2 450 400	400	350	350		
64-70#	3.2 650 600	600	3.2 550 500	500	3.2 450 400	400	350	350			

NB: for the spines marked in red, consider an 80-grains points. Using 20 grains heavier or lighter points you need to increase or decrease the measured draw weight 5lbs respectively.

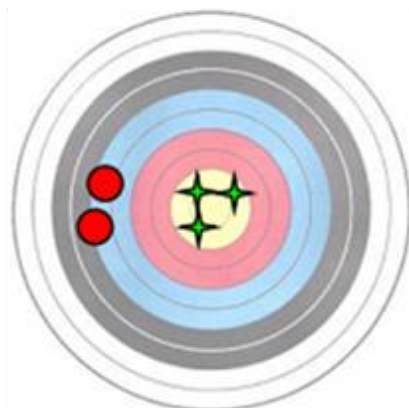
NB: for the spines marked in black, consider a 100-grains points. Using 20 grains heavier or lighter points you need to increase or decrease the measured draw weight 5lbs respectively.

# Vérification du choix du tube de flèche

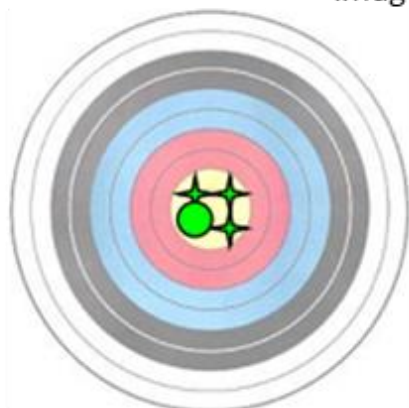
A 15/18m, tirer « flèches empennées et 1 à 2 flèches non empennées

Au-delà de 20cm d'écart, il sera très difficile de ramener les flèches NE dans l'axe.

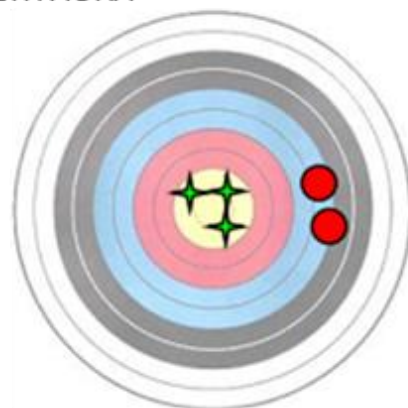
Image ETR AURA



Droitier: Tube trop raide  
Gaucher: Tube trop souple



Tube adapté  
Tube adapté



Tube trop souple  
Tube trop raide

## **TROP RAIDE, Il faut assouplir**

- Alourdir la pointe
- Augmenter la puissance
- Réduire le nombre de brins de la corde
- Mettre des nock-sets plus légers
- Rallonger les flèches
- Diminuer la surface d'appui des plumes
- Utiliser des plumes plus légères
- Retirer le pin pour l'alléger l'arrière de la flèche
- Augmenter le spine des tubes

## **TROP SOUPLE, il faut rigidifier**

- Alléger la pointe
- Réduire la puissance
- Augmenter le nombre de brins de la corde
- Mettre des nock-sets plus lourds
- Raccourcir les flèches
- Diminuer le band
- Augmenter la surface d'appui des flèches (+ longues, + larges)
- Diminuer le spine des tubes