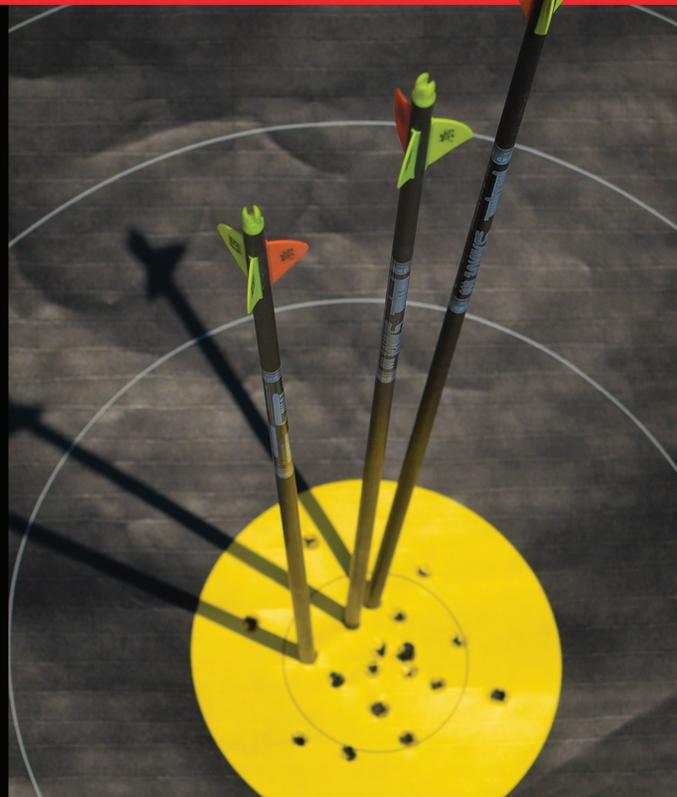


# arrow

## CATALOG + 2018



TARGET • HUNTING • TRADITIONAL • CROSSBOW

## ARCHERY



**HYBRID CARBON** \_\_\_\_\_ PAGE 2

**TYRO** \_\_\_\_\_ PAGE 3

**CLASSIC** \_\_\_\_\_ PAGE 4

**TEC ONE CARBON** \_\_\_\_\_ PAGE 5

**TECX CARBON** \_\_\_\_\_ PAGE 6



**SAVAGE** \_\_\_\_\_ PAGE 7

**EDGE CARBON** \_\_\_\_\_ PAGE 8

**CREDENCE 5.2** \_\_\_\_\_ PAGE 9

**BACKBONE** \_\_\_\_\_ PAGE 10

**HUNT CARBON** \_\_\_\_\_ PAGE 11



**FRONTIER** \_\_\_\_\_ PAGE 12

**Timber** \_\_\_\_\_ PAGE 13

**EBONY** \_\_\_\_\_ PAGE 14

**Outback 5.2** \_\_\_\_\_ PAGE 15

## CROSSBOW



**TRIGGER** \_\_\_\_\_ PAGE 16

**SCORPIO** \_\_\_\_\_ PAGE 17



### IDEAL ARROW FOR :



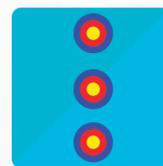
KIDS & ADULTS



TARGET



ADULTS



INDOOR



RECURVE



FIELD



COMPOUND



3D



TRADITIONAL



HUNTING



CROSSBOW



# AVALON HYBRID carbon

- ⊗ CARBON ARROW
- ⊗ INTERNAL SMALL GROOVE NOCK
- ⊗ 1.75" VANES
- ⊗ ONE PIECE POINTS
- ⊗ ONLY AVAILABLE AS COMPLETE ARROW (WITH GLUED-IN POINTS)



Size	Shaft Weight Grains Per Inch	Stock Length	Point
2000	3,6	26"	50 gr.
1800	3,9	27"	50 gr.
1500	4,0	28"	50 gr.
1300	4,2	28"	70 gr.
1100	4,9	28"	70 gr.
1000	5,1	29"	70 gr.
900	5,8	29"	70 gr.
800	6,0	30"	90 gr.
700	6,5	30"	90 gr.
600	7,0	31"	90 gr.
500	8,1	31"	90 gr.

**COMPONENTS:**

Internal Nock G Size  
(small or large groove)



One Piece Point  
(50/70/90gr.)



## IDEAL ARROW FOR :



## AVALON TYRO

COMPONENTS:

Internal Nock G Size  
(small or large groove)



One Piece Point  
(50/70/90gr.)



Size	Shaft Weight Grains Per Inch	Stock Length	Point
2000	3,6	27"	50 gr.
1800	3.9	27"	50 gr.
1500	4.0	28"	70 gr.
1300	4.2	28"	70 gr.
1100	4.9	28"	70 gr.
1000	5.1	29"	70 gr.
900	5.8	29"	70 gr.
800	6.0	30"	90 gr.
700	6.5	30"	90 gr.
600	7.0	31"	90 gr.

- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.007"
- ⊗ INTERNAL SMALL GROOVE NOCK
- ⊗ 2" VANES
- ⊗ ONE PIECE POINTS
- ⊗ AVAILABLE AS COMPLETE ARROW  
(WITH GLUED-IN POINTS)  
OR UNCUT SHAFT

IDEAL ARROW FOR :



TYRO

AL  
IES

# AVALON CLASSIC FULL CARBON

- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.005"
- ⊗ INSTALLED PIN WITH SMALL GROOVE NOCK
- ⊗ EP-23 VANES
- ⊗ BREAK-OFF POINTS
- ⊗ AVAILABLE AS FULL LENGTH SHAFT OR UNCUT ARROW



## AVALON CLASSIC

Size	Shaft Weight Grains Per Inch	Stock Length	Point
2000	3.6	32"	50 gr.
1800	3.9	32"	50 gr.
1500	4.0	32"	60-80 gr.
1300	4.2	32"	60-80 gr.
1100	4.9	32"	60-80 gr.
1000	5.1	32"	60-80 gr.
900	5.8	32"	60-80 gr.
800	6.0	32"	80-100 gr.
700	6.5	32"	80-100 gr.
600	7.0	32"	80-100 gr.
500	8.1	32"	80-100 gr.
400	9.1	32"	100-120 gr.

COMPONENTS:

Pin Nock  
(small or large groove)



Break-Off Points  
(60 to 120gr.)



### IDEAL ARROW FOR :



# AVALON TEC ONE

CARBON

## AVALON TEC ONE

CARBON

### COMPONENTS:

Pin Nock  
(small or large groove)



Break-Off Points  
(60 to 120gr.)



Size	Shaft Weight Grains Per Inch	Stock Length	Point
1300	4.2	32"	60-80 gr.
1100	4.9	32"	60-80 gr.
1000	4.1	32"	60-80 gr.
900	5.8	32"	60-80 gr.
800	6.0	32"	80-100 gr.
700	6.5	32"	80-100 gr.
600	6.9	32"	80-100 gr.
500	8.1	32"	90-110 gr.
400	9.1	32"	100-120 gr.



- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS  $\pm .001"$
- ⊗ INCLUDED PIN
- ⊗ BREAK-OFF POINTS
- ⊗ AVAILABLE AS FULL LENGTH SHAFT

### IDEAL ARROW FOR :



# AVALON TEC X CARBON

- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS  $\pm .001''$
- ⊗ INTERNAL LARGE GROOVE NOCK OR PIN NOCK
- ⊗ EP-40 VANES
- ⊗ BREAK-OFF POINTS
- ⊗ AVAILABLE AS FULL LENGTH SHAFT OR UNCUT ARROW



## AVALON TEC X CARBON

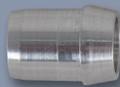
Size	Shaft Weight Grains Per Inch	Stock Length
500	6.6	33"
400	7.4	33"
350	7.9	33"
300	8.5	33"

### IDEAL ARROW FOR :



#### COMPONENTS:

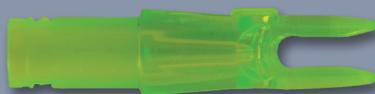
S Size Uni-Bushing



Pin Adapter



Internal Nock S Size



Pin Nock  
(small or large groove)



Break-Off Point  
(140/160/180gr.)



# MAXIMAL SAVAGE

## MAXIMAL SAVAGE

Size	Shaft Weight Grains Per Inch	Stock Length
400	7.5	29.5"
350	8.0	29.5"

COMPONENTS:

Internal Nock S Size



Insert S Size (13gr.)




- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.006"
- ⊗ INTERNAL LARGE GROOVE NOCK
- ⊗ BOHNING BLAZER VANES
- ⊗ INSERT S SIZE
- ⊗ ONLY AVAILABLE AS COMPLETE ARROW (WITH GLUED-IN INSERT AND POINT)

IDEAL ARROW FOR :



**maximalEDGE CARBON**

**COMPONENTS:**

Internal Nock S Size



Insert S Size  
(13gr.)



One Piece Point  
(100gr.)



Size	Shaft Weight Grains Per Inch	Stock Length
800	4.7	33"
700	4.9	33"
600	5.8	33"
500	6.5	33"
400	7.4	33"
350	7.9	33"
300	9.1	33"

- ⊗ **FULL CARBON** ARROW
- ⊗ **STRAIGHTNESS** ±.005"
- ⊗ **INTERNAL LARGE GROOVE NOCK**
- ⊗ **BOHNING BLAZER VANES**
- ⊗ **INSERT S SIZE**
- ⊗ **AVAILABLE AS** FULL LENGTH SHAFT  
**OR** UNCUT ARROW



**IDEAL ARROW FOR :**

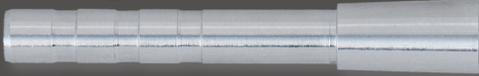


**maximal**  
**CREDENCE 5.2**

Size	Shaft Weight Grains Per Inch	Stock Length
700	5.3	33"
600	6.2	33"
500	6.8	33"
400	7.9	33"
350	8.6	33"

COMPONENTS:

Internal Nock X Size  


Insert X Size  
(32gr.)  


Break-off Point  
(80-100gr.)  




- ⊙ FULL CARBON ARROW
- ⊙ STRAIGHTNESS  $\pm .006''$
- ⊙ INTERNAL LARGE GROOVE NOCK
- ⊙ BOHNING BLAZER VANES
- ⊙ INSERT X SIZE
- ⊙ AVAILABLE AS FULL LENGTH SHAFT OR UNCUT ARROW

IDEAL ARROW FOR :



**maximal**  
**BACKBONE**

Size	Shaft Weight Grains Per Inch	Stock Length
700	6.7	33"
600	7.2	33"
500	8.0	33"
400	9.0	33"
350	9.9	33"

COMPONENTS:

Internal Nock X Size  


Insert X Size  
 (32gr.)  


Break-off Point  
 (80-100gr.)  




- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.003"
- ⊗ INTERNAL LARGE GROOVE NOCK
- ⊗ BOHNING BLAZER VANES
- ⊗ INSERT X SIZE
- ⊗ AVAILABLE AS FULL LENGTH SHAFT OR UNCUT ARROW

IDEAL ARROW FOR :



# maximal **HUNT** CARBON

- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.003"
- ⊗ INTERNAL LARGE GROOVE NOCK
- ⊗ BOHNING BLAZER VANES
- ⊗ INSERT S SIZE
- ⊗ AVAILABLE AS FULL LENGTH SHAFT OR UNCUT ARROW



## maximal **HUNT** CARBON

Size	Shaft Weight Grains Per Inch	Stock Length
500	7.5	33"
400	8.4	33"
350	9.0	33"
300	9.9	33"

### COMPONENTS:

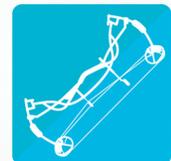
Internal Nock S Size



Insert S Size  
(13gr.)



### IDEAL ARROW FOR :





## FRONTIER

Size	Shaft Weight Grains Per Inch	Stock Length
800	4.7	33"
700	4.9	33"
600	5.8	33"
500	6.5	33"
400	7.4	33"
350	7.9	33"

### COMPONENTS:

Internal Nock S Size



Insert S Size  
(13gr.)



One Piece Point  
(100gr.)



- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS ±.006"
- ⊗ INTERNAL LARGE GROOVE NOCK
- ⊗ 4" PARABOLIC FEATHER FLETCHED
- ⊗ INSERT S SIZE
- ⊗ AVAILABLE AS UNCUT  
OR COMPLETE ARROW

### IDEAL ARROW FOR :



Buck Trail  
Archery Tradition  
Timber

COMPONENTS:

Internal Nock S Size



Insert S Size  
(13gr.)



One Piece Point  
(100gr.)



Size	Shaft Weight Grains Per Inch	Stock Length
700	5.3	33"
600	6.2	33"
500	6.9	33"
400	7.8	33"
350	8.5	33"



- ⊗ FULL CARBON ARROW
- ⊗ STRAIGHTNESS  $\pm .005''$
- ⊗ INTERNAL LARGE GROOVE NOCK
- ⊗ 4" PARABOLIC FEATHER FLETCHED
- ⊗ INSERT S SIZE
- ⊗ AVAILABLE AS FULL LENGTH SHAFT  
OR UNCUT ARROW  
OR COMPLETE ARROW

IDEAL ARROW FOR :



Buck Archery Trail Tradition  
**EBONY**

Size	Shaft Weight Grains Per Inch	Stock Length
700	5.3	33"
600	6.2	33"
500	6.8	33"
400	7.9	33"
350	8.6	33"

COMPONENTS:

Internal Nock X Size  


Insert X Size (32gr.)  


Break-off Point (80-100gr.)  




- ⊙ FULL CARBON ARROW
- ⊙ STRAIGHTNESS ±.006"
- ⊙ INTERNAL LARGE GROOVE NOCK
- ⊙ 4" PARABOLIC FEATHER FLETCHED
- ⊙ INSERT S SIZE
- ⊙ AVAILABLE AS FULL LENGTH SHAFT OR UN CUT ARROW

IDEAL ARROW FOR :



- FULL CARBON ARROW
- STRAIGHTNESS  $\pm .003''$
- INTERNAL LARGE GROOVE NOCK
- 4" PARABOLIC FEATHER FLETCHED
- INSERT X SIZE
- AVAILABLE AS FULL LENGTH SHAFT OR UN CUT ARROW



Buck Trail  
Archery Tradition  
Outback 5.2

Size	Shaft Weight Grains Per Inch	Stock Length
700	6.5	33"
600	6.9	33"
500	7.7	33"
400	8.7	33"
350	9.6	33"

COMPONENTS:

Internal Nock X Size



Insert X Size  
(32gr.)



Break-off Point  
(80-100gr.)



IDEAL ARROW FOR :



**maximal**  
**TRIGGER**

Size	Shaft Weight Grains Per Inch	Stock Length
300	10.0	16"
300	10.0	18"
300	10.0	20"
300	10.0	22"

**COMPONENTS:**

Flatback or Halfmoon Nock



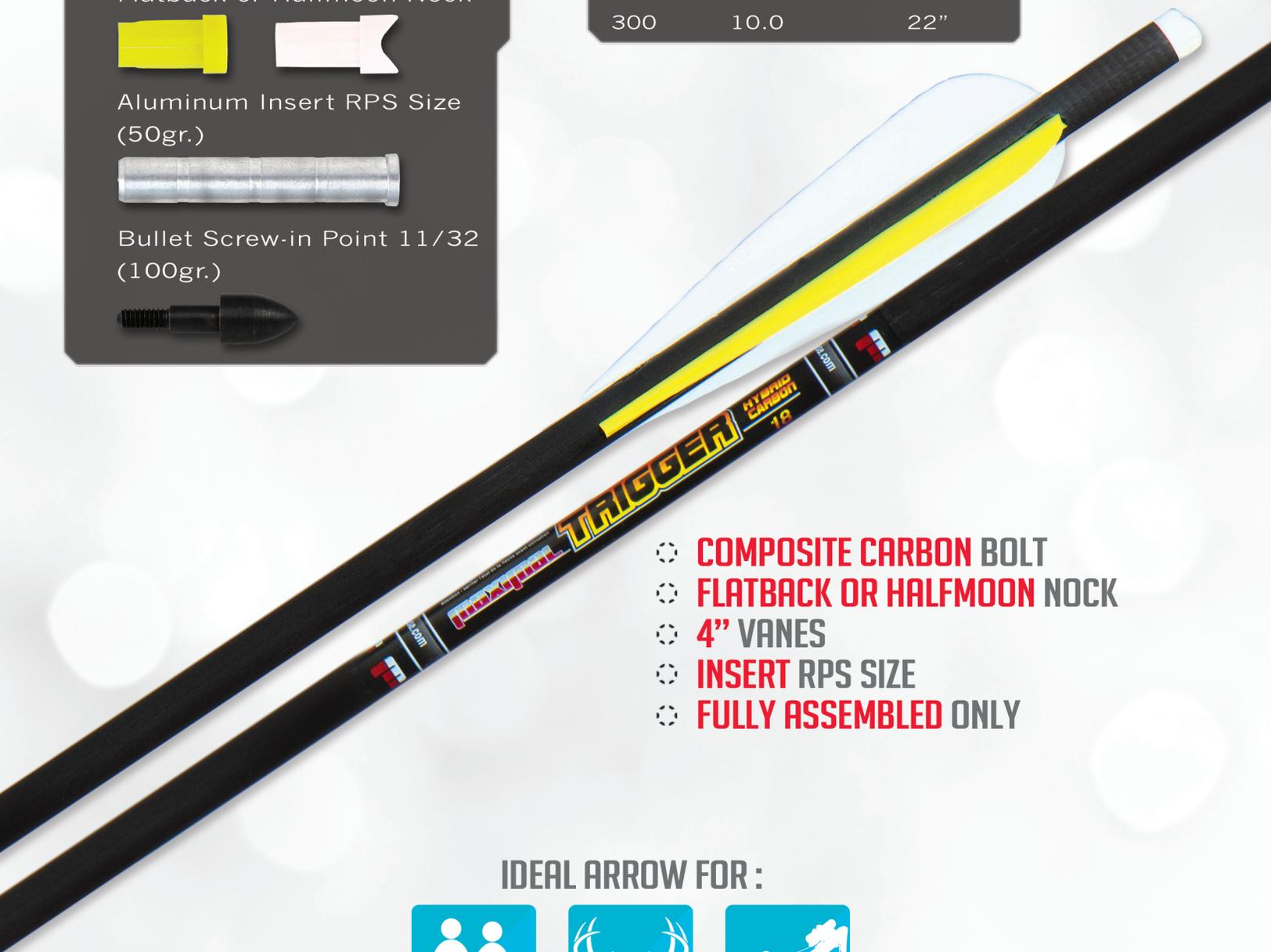
Aluminum Insert RPS Size  
(50gr.)



Bullet Screw-in Point 11/32  
(100gr.)



Size	Shaft Weight Grains Per Inch	Stock Length
300	10.0	16"
300	10.0	18"
300	10.0	20"
300	10.0	22"



- **COMPOSITE CARBON BOLT**
- **FLATBACK OR HALFMOON NOCK**
- **4" VANES**
- **INSERT RPS SIZE**
- **FULLY ASSEMBLED ONLY**

**IDEAL ARROW FOR :**



# maximal SCORPIO

- ⊗ FULL CARBON BOLT
- ⊗ FLATBACK OR HALFMOON NOCK
- ⊗ AAE EP40 VANES
- ⊗ INSERT RPS SIZE
- ⊗ FULLY ASSEMBLED ONLY



## maximal SCORPIO

Size	Shaft Weight Grains Per Inch	Stock Length
300	8.9	16"
300	8.9	18"
300	8.9	20"
300	8.9	22"

### COMPONENTS:

Flatback or Halfmoon Nock



Aluminum Insert RPS Size  
(50gr.)



Field Screw-in Point 11/32  
(100gr.)



### IDEAL ARROW FOR :



COMPONENTS:

# POINTS INSERTS NOCKS

## POINTS

One Piece Point  
(50/70/90gr.)



Fits Hybrid, Tyro arrows

One Piece Point  
(100gr.)



Fits Edge, Frontier, Hunt, Timber arrows

Break-Off Points  
(60 to 120gr.)



Fits Classic, Tec One arrows

Break-Off Point  
(140/160/180gr.)



Fits Tec X arrow

Break-off Point  
(80-100gr.)



Fits Backbone, Credence, Ebony, Outback arrows

## THREADED POINTS

Field Screw-in Point 11/32  
(100gr.)



Bullet Screw-in Point 11/32  
(100gr.)



## BUSHING / PIN ADAPTER

S Size Uni-Bushing Pin Adapter



Fits Tec X arrow

Pin Adapter



Fits Tec One, Classic arrows

## INSERTS

Insert S Size  
(13gr.)



Fits Edge, Frontier, Hunt, Savage, Timber arrows

Insert X Size  
(32gr.)



Fits Backbone, Credence, Ebony, Outback arrows

Aluminum Insert RPS Size  
(50gr.)



Fits Scorpio, Trigger bolts

## NOCKS

Internal Nock G Size  
(small or large groove)



Pin Nock  
(small or large groove)



Internal Nock S Size (double click)



Internal Nock S Size (single click)



Internal Nock X Size



Flatback or Halfmoon Nock



Colors: black, blue, green, orange, red, white, yellow, neon green, neon orange & neon yellow.

## ARCHERY

	Construction	Inserts	Points (grain)	Nock	Weight Tolerance	Straightness	Sizes
	full carbon	N/A	One-Piece 50-70-90	G Size	±1%	N/A	2000, 1800, 1500, 1300, 1100, 1000, 900, 800, 700, 600, 500
	full carbon	N/A	One-Piece 50-70-90	G Size	±1%	±.007"	2000, 1800, 1500, 1300, 1100, 1000, 900, 800, 700, 600
	full carbon	N/A	Break-Off 60-80 80-100 100-120	Pin-Nock	±1%	±.005"	2000, 1800, 1500, 1300, 1100, 1000, 900, 800, 700, 600, 500, 400
	full carbon	N/A	Break-Off 60-80 80-100 100-120	Pin-Nock	±1%	±.001"	1300, 1100, 1000, 900, 800, 700, 600, 500, 400
	full carbon	N/A	Break-Off 140-160-180	S Size or Pin-Nock	±1%	±.001"	500, 400, 350, 300
	full carbon	Insert S Size	Screw-In	S Size	±1%	±.006"	400, 350
	full carbon	Insert S Size	Screw-In or One-Piece 100	S Size	±1%	±.005"	800, 700, 600, 500, 400, 350, 300
	full carbon	Insert X Size	Screw-In or Break-Off	X Size	±1%	±.006"	700, 600, 500, 400, 350, 300
	full carbon	Insert X Size	Screw-In or Break-Off	X Size	±1%	±.003"	700, 600, 500, 400, 350
	full carbon	Insert S Size	Screw-In or One-Piece 100	S Size	±1%	±.003"	500, 400, 350, 300
	full carbon	Insert S Size	Screw-In or One-Piece 100	S Size	±1%	±.006"	800, 700, 600, 500, 400, 350
	full carbon	Insert S Size	Screw-In or One-Piece 100	S Size	±1%	±.005"	700, 600, 500, 400, 350
	full carbon	Insert X Size	Screw-In or Break-Off	X Size	±1%	±.006"	700, 600, 500, 400, 350
	full carbon	Insert X Size	Screw-In or Break-Off	X Size	±1%	±.003"	700, 600, 500, 400, 350

## CROSSBOW

	Construction	Inserts	Points (grain)	Nock	Weight Tolerance	Straightness	Sizes
	composite	Insert RPS	Screw-In	Flatback or Halfmoon	±1%	N/A	300 16", 18", 20", 22"
	full carbon	Insert RPS	Screw-In	Flatback or Halfmoon	±1%	N/A	300 16", 18", 20", 22"

For all the arrows, the Grain Per Inch weight refers purely to the shaft and could have a 2% tolerance due to specifications

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	GROUP A2	GROUP A3	GROUP A4	GROUP A5	GROUP A6
Avalon Carbon Tyro 1500	Avalon Carbon Tec One 1300	Avalon Carbon Tec One 1100	Avalon Carbon Tec One 1000	Avalon Carbon Tec One 900	Avalon Carbon Tec One 800
Avalon Carbon Tyro 1800	Avalon Carbon Tyro 1300	Avalon Carbon Classic 1100	Avalon Carbon Classic 1000	Avalon Carbon Classic 900	Avalon Carbon Classic 900
Avalon Carbon Classic 1500	Avalon Carbon Classic 1300	Avalon Carbon Tyro 1100	Avalon Carbon Tyro 1000	Avalon Carbon Tyro 900	Avalon Carbon Classic 800
Avalon Carbon Classic 1800	Avalon Carbon Hybrid 1300	Avalon Carbon Hybrid 1100	Avalon Carbon Hybrid 1000	Avalon Carbon Hybrid 900	Avalon Carbon Tyro 900
Avalon Carbon Hybrid 1500					Avalon Carbon Tyro 800
Avalon Carbon Hybrid 1800					Avalon Carbon Hybrid 900
					Avalon Carbon Hybrid 800
					Maximal Edge 800
					Buck Trail Frontier 800

GROUP A7	GROUP A8	GROUP A9	GROUP A10	GROUP A11	GROUP A12
Avalon Carbon Tec One 700	Avalon Carbon Tec One 600	Avalon Carbon Tec One 600	Avalon Carbon Tec X 500	Avalon Carbon Tec X 500	Avalon Carbon Tec X 500
Avalon Carbon Classic 800	Avalon Carbon Classic 700	Avalon Carbon Classic 700	Avalon Carbon Tec One 600	Avalon Carbon Tec One 500	Avalon Carbon Tec One 500
Avalon Carbon Classic 700	Avalon Carbon Classic 600	Avalon Carbon Tyro 600	Avalon Carbon Tec One 500	Avalon Carbon Hybrid 500	Avalon Carbon Classic 500
Avalon Carbon Tyro 800	Avalon Carbon Tyro 700	Avalon Carbon Hybrid 600	Avalon Carbon Classic 600	Maximal Edge 500	Maximal Edge 500
Avalon Carbon Tyro 700	Avalon Carbon Tyro 600	Maximal Edge 600	Avalon Carbon Classic 500	Maximal Credence 500	Maximal Credence 500
Avalon Carbon Hybrid 800	Avalon Carbon Hybrid 700	Maximal Backbone 600	Avalon Carbon Tyro 600	Maximal Hunt 500	Maximal Hunt 500
Avalon Carbon Hybrid 700	Avalon Carbon Hybrid 600	Maximal Credence 600	Avalon Carbon Hybrid 600	Maximal Backbone 500	Maximal Backbone 500
Maximal Edge 700	Maximal Edge 600	Buck Trail Timber 600	Avalon Carbon Hybrid 500	Buck Trail Timber 500	Buck Trail Timber 500
Maximal Backbone 700	Maximal Backbone 700	Buck Trail Outback 600	Maximal Edge 600	Buck Trail Outback 500	Buck Trail Outback 500
Maximal Credence 700	Maximal Backbone 600	Buck Trail Ebony 600	Maximal Edge 500	Buck Trail Ebony 500	Buck Trail Ebony 500
Buck Trail Timber 700	Maximal Credence 700	Buck Trail Frontier 600	Maximal Credence 600	Buck Trail Frontier 500	Buck Trail Frontier 500
Buck Trail Outback 700	Maximal Credence 600		Maximal Credence 500		
Buck Trail Ebony 700	Buck Trail Timber 600		Maximal Hunt 500		
Buck Trail Frontier 800	Buck Trail Outback 600		Maximal Backbone 600		
Buck Trail Frontier 700	Buck Trail Ebony 700		Maximal Backbone 500		
	Buck Trail Ebony 600		Buck Trail Timber 600		
	Buck Trail Frontier 700		Buck Trail Timber 500		
	Buck Trail Frontier 600		Buck Trail Outback 600		
			Buck Trail Outback 500		
			Buck Trail Ebony 600		
			Buck Trail Ebony 500		
			Buck Trail Frontier 600		
			Buck Trail Frontier 500		

GROUP A13	GROUP A14	GROUP A15	GROUP A16	GROUP A17	GROUP A18
Avalon Carbon Tec X 500	Avalon Carbon Tec X 500	Avalon Carbon Tec X 400	Avalon Carbon Tec X 400	Avalon Carbon Tec X 350	Avalon Carbon Tec X 300
Avalon Carbon Tec X 400	Avalon Carbon Tec X 400	Avalon Carbon Tec One 400	Avalon Carbon Tec X 350	Avalon Carbon Tec X 300	Maximal Edge 300
Avalon Carbon Tec One 500	Avalon Carbon Tec One 500	Maximal Edge 400	Avalon Carbon Tec One 400	Maximal Edge 350	Maximal Credence 300
Avalon Carbon Tec One 400	Avalon Carbon Tec One 400	Maximal Credence 400	Maximal Edge 400	Maximal Edge 300	Maximal Hunt 300
Maximal Edge 500	Avalon Carbon Classic 500	Maximal Hunt 400	Maximal Edge 350	Maximal Credence 350	Buck Trail Ebony 300
Maximal Edge 400	Maximal Edge 500	Maximal Backbone 400	Maximal Credence 400	Maximal Credence 300	
Maximal Credence 500	Maximal Edge 400	Buck Trail Timber 400	Maximal Credence 350	Maximal Hunt 350	
Maximal Credence 400	Maximal Credence 500	Buck Trail Outback 400	Maximal Hunt 400	Maximal Hunt 300	
Maximal Hunt 500	Maximal Credence 400	Buck Trail Ebony 400	Maximal Hunt 350	Maximal Backbone 350	
Maximal Hunt 400	Maximal Hunt 500	Buck Trail Frontier 400	Maximal Backbone 400	Buck Trail Timber 350	
Maximal Backbone 500	Maximal Hunt 400		Maximal Backbone 350	Buck Trail Outback 350	
Maximal Backbone 400	Maximal Backbone 500		Buck Trail Timber 400	Buck Trail Ebony 350	
Buck Trail Timber 500	Maximal Backbone 400		Buck Trail Timber 350	Buck Trail Ebony 300	
Buck Trail Timber 400	Buck Trail Timber 500		Buck Trail Outback 400	Buck Trail Frontier 350	
Buck Trail Outback 500	Buck Trail Timber 400		Buck Trail Outback 350		
Buck Trail Outback 400	Buck Trail Outback 500		Buck Trail Ebony 400		
Buck Trail Ebony 500	Buck Trail Outback 400		Buck Trail Ebony 350		
Buck Trail Ebony 400	Buck Trail Ebony 500		Buck Trail Frontier 400		
Buck Trail Frontier 500	Buck Trail Ebony 400		Buck Trail Frontier 350		
Buck Trail Frontier 400	Buck Trail Frontier 500				
	Buck Trail Frontier 400				

## HOW TO USE THE ARROWSELECTOR CHART

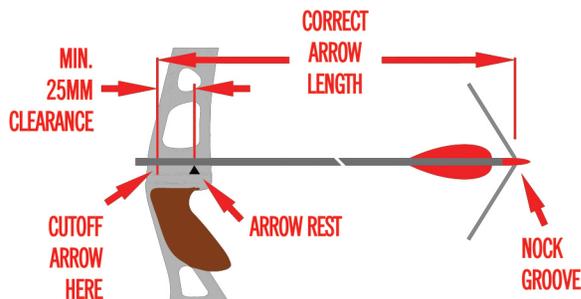
Once you have determined your correct arrow length and peak bow weight, you can select your correct arrow type: for compound bows: in the "arrow speed" column (left-hand side of the chart), select the column with the speed on your bow. Look for your peak bow weight in that column. For recurve bows: select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

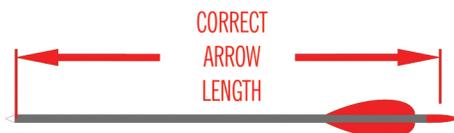
Our ArrowSelector Chart will help you find the perfect arrow for your personal bow in an easy way.

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.

## WARNINGS ABOUT ARROW USE

Damage to an arrow shaft or any of its components may occur from: impacting other arrows or hard objects like trees, rocks, fences, etc. or improper transport, no list can cover all possible conditions and situations that may cause damage. Shooting a broken or damaged arrow could result in serious injury to you or a bystander and cause serious damage to your bow. Please do follow the warnings and instructions below to determine if your arrow has been damaged in anyway and/or that you are shooting the correct spine and weight arrow for your bow.

Never shoot a damaged or a wrong spine arrow!

## SAFETY RULES BEFORE EACH SHOT:



1. Carefully inspect each arrow shaft, nock and other components to see that they have not been damaged. If the nock is damaged replace the nock. Never shoot an arrow with damaged components.



2. Place the arrow between your thumb and fingers and using the other hand to slowly moving back and forth around circumference of the shaft with your fingertips along the entire arrow length, feeling and looking for nicks, cracks, splits, dents or other marks that could indicate the shaft has been damaged. If shaft damage is present, destroy it immediately! Never shoot a damaged arrow.



3. Grasp the arrow just above the point and below the nock and manually flex the arrow into an arc looking for any cracks or openings while listening for any cracking noises. If you notice any of these, discard the arrow.

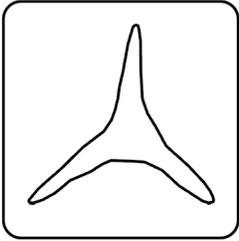


4. While still holding the point and fletching ends, twist the shaft in opposite directions. If you see or feel any damage, discard the arrow.

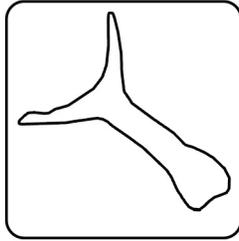
5. A damaged arrow could break upon release and injure you or a bystander. If you have any reason to believe that an arrow has been damaged, discard the arrow.

If you do not understand these instructions or cannot adequately perform the above tests seek assistance through your local archery dealer. Enjoy archery and have fun!

# PAPER TUNING

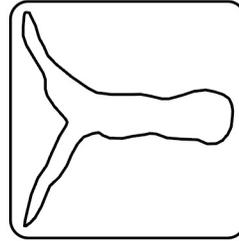


**PERFECT TEAR**



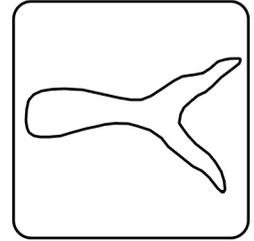
**MULTIPLE TEAR**

- ⊕ 1<sup>ST</sup> ADJUST THE HIGH TEAR
- ⊕ 2<sup>ND</sup> ADJUST THE LEFT TEAR



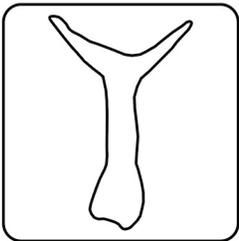
**LEFT TEAR**

- ⊕ MOVE REST TOWARDS RISER (RH SHOOTER)
- ⊕ ADJUST CAM LEAN
- ⊕ USE STIFFER ARROW
- ⊕ DECREASE BOW POUNDAGE



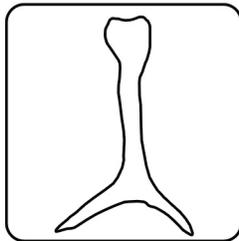
**RIGHT TEAR**

- ⊕ MOVE REST AWAY FROM RISER (RH SHOOTER)
- ⊕ ADJUST CAM LEAN
- ⊕ USE WEAKER ARROW
- ⊕ INCREASE BOW POUNDAGE



**HIGH TEAR**

- ⊕ MOVE NOCK POINT DOWN
- ⊕ MOVE REST UP
- ⊕ DECREASE LAUNCHER STIFFNESS
- ⊕ SHORTEN ARROW LENGTH



**LOW TEAR**

- ⊕ RAISE NOCK POINT
- ⊕ MOVE REST DOWN
- ⊕ ADD MORE WEIGHT TO THE POINT
- ⊕ INCREASE BOW POUNDAGE

# BARE SHAFT TUNING

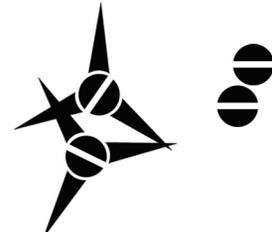


**OPTIMAL TUNING**



**STIFF ARROW**

- ⊕ USE LONGER ARROW
- ⊕ USE A LIGHTER SPINED ARROW
- ⊕ ADD WEIGHT TO THE POINT OR INSERT
- ⊕ DECREASE CUSHION PLUNGER
- ⊕ ADD POUNDAGE TO THE LIMBS



**WEAK ARROW**

- ⊕ CUT SHAFTS 1/4" AT A TIME
- ⊕ USE A STIFFER SPINED ARROW
- ⊕ DECREASE POINT OR INSERT
- ⊕ INCREASE PLUNGER TENSIONS
- ⊕ DECREASE POUNDAGE
- ⊕ ADD WEIGHT TO THE BACK OF THE ARROW



**LOW NOCK POINT**

- ⊕ MOVE NOCK POINT UP
- ⊕ MOVE ARROW REST DOWN



**HIGH NOCK POINT**

- ⊕ MOVE NOCK POINT DOWN
- ⊕ MOVE ARROW REST UP



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