## **H**unting Shaft Selection Chart

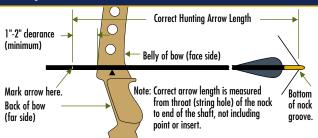
#### SELECTING THE CORRECT HUNTING SHAFT

Our Hunting Shaft Selection Chart will help you, quickly and easily, find the perfect shaft match for your bow. Advanced, interactive Spine Weight Comparison and Hunting Shaft Selection Charts— now available online at www.easton.com.

1. Determining Correct Hunting Arrow Length
Bows with cut-out window. The Correct Hunting Arrow Length for bows with
a broadhead cut-out sight window (including bows with overdraws) is determined by
drawing back an extra-long arrow to full draw and having someone mark the arrow one to
two inches in front of where the arrow contacts the most forward portion of the arrow rest.



Bows without cut-out window (which will not allow a fixed blade broadhead to be drawn past the back of the bow). The Correct Hunting Arrow Length for bows without a cut-out sight window is determined by drawing back an extra-long arrow to full draw, and having someone mark the arrow one to two inches in front of the handle.



**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 61/2".

If your setup differs from the **"Standard" Setup**, use the **Variables** (following) to make adjustments to determine the <u>Calculated Peak Bow Weight</u> 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.

#### Overdraw Compound Bows

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

	Length of Overdraw									
Bow Weight	1"	2"	3"	4"	5"					
For 50#-70# Actual/Calculated Peak 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 should be measured at your draw lenath.

## **COMPOUND BOW - Release Aid CALCULATED PEAK BOW WEIGHT - Lbs.**

	Medium (	Cam 🚳		Single or Hard Cam 🔊							
	Point \	Weight		Point Weight							
<b>75</b> (grains) 65-85	<b>100</b> (grains) 90-110	<b>125</b> (grains) 115-135	<b>150</b> (grains) 140-160	<b>75</b> (grains) 65-85	<b>100</b> (grains) 90-110	<b>125</b> (grains) 115-135	<b>150</b> (grains) 140-160				
40-44	37-41	34-38	31-35	35-39	32-36	29-33	26-30				
45-49	42-46	39-43	36-40	40-44	37-41	34-38	31-35				
50-54	47-51	44-48	41-45	45-49	42-46	39-43	36-40				
55-59	52-56	49-53	46-50	50-54	47-51	44-48	41-45				
60-64	57-61	54-58	51-55	55-59	52-56	49-53	46-50				
65-69	62-66	59-63	56-60	60-64	57-61	54-58	51-55				
70-75	67-72	64-69	61-66	65-69	62-66	59-63	56-60				
76-81	73-78	70-75	67-72	70-75	67-72	64-69	61-66				
82-87	79-84	76-81	73-78	76-81	73-78	70-75	67-72				
88-93	85-90	82-87	79-84	82-87	79-84	76-81	73-78				
94-99	91-96	88-93	85-90	88-93	85-90	82-87	79-84				

Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28"	Model	Weight Grs/Inch	Weight @29"		
	(	Froup A	1	Group B							
1813 1716	0.874 0.880	75 75	7.9 9.0	229 261	1913 1816	0.733 0.756	75 75	8.3 9.3	241 270		
780	0.780	Rdln	6.3	183	690	0.690	RdIn	6.3	183		

	(	Group (	j	Group H								
2312	0.423	SS	9.5	276	2215	0.420	SS, 75	10.7	310			
2215	0.420	SS, 75	10.7	310	2314	0.390	SS, 75	10.7	310			
2117	0.400	SS, 75	12.0	348	2117	0.400	SS, 75	12.0	348			
2020	0.426	75	13.5	392	2216	0.375	SS, 75	12.0	348			
400	0.400	AFMJ	9.9	287	400	0.400	AĖMJ	9.9	287			
400	0.400	AC Slim	9.7	281	400	0.400	AC Slim	9.7	281			
3-39	0.440	A/C/C	8.6	249	3-49	0.390	A/C/C	8.8	255			
400	0.400	Ćrbn	CAWT	CAWT	400	0.400	Ćrbn	CAWT	CAWT			
460	0.460	RdIn	7.3	212	410	0.410	RdIn	7.6	220			

	Carbon Shaft Weights (CAWT)														
Size	Spine	ST Axis		ST Axis ST Axis Obsession		ST Epic Realtree HD		ST Epic		Light	Speed	Excel			
		Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"		
400 340	0.500 0.400 0.340 0.300	8.1 9.0 9.5 10.7	235 261 276 310	8.9 9.8 10.3 11.5	258 284 299 334	8.0 9.3 10.2 10.7	232 270 296 310	7.3 8.6 9.5 10.0	212 249 276 290	6.5 7.4 8.2	189 215 238	7.1 8.1 8.8	206 235 255		

## **USING THE HUNTING ARROW SELECTION CHART**

- 1. Once you have determined your Correct Hunting 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 cam on your bow, then the column with the point weight you use. Then locate your <u>Calculated Peak Bow Weight</u> in that column.

For expert bow weight, arrow selection, and bow analysis visit an Easton dealer equipped with the Bow Force Mapping System. See page 39 for more information.

												RECURVE BOW MODERN LONGB Finger Release Finger Release						Release		
Correct Hunting Arrow Length											ACTUAL PEAK BOW WEIGHT - Lbs.					ACTUAL PEAK BOW WEIGHT - Lbs.				
										Point	Weight				Point \	Veight				
22½ 23" 23½	23½ 24" 24½	24½ 25" 25½	25½ 26" 26½	26½ 27" 27½	27½ 28" 28½	28½ 29" 29½	29½ 30" 30½	30½ 31" 31½	31½ 32" 32½	32½ 33" 33½	75 (grains) 65-85	100 (grains) 90-110	<b>125</b> (grains) 115-135	<b>15</b> (grair 140-1	ns)	<b>75</b> (grains) 65-85	100 (grains) 90-110	<b>125</b> (grains) 115-135	<b>150</b> (grains) 140-160	
			Α	В	В	C	C	D	E							41-46	38-43	35-40	32-37	
		A	В	В	C	C	D	E	F							47-52	44-49	41-46	38-43	
	Α	В	В	C	C	D	E	F	G	Н	35-39	32-36	29-33	26-3	30	53-58	50-55	47-52	44-49	
A	В	В	C	(	D	E	F	G	Н	I	40-44	37-41	34-38	31-3	35	59-64	56-61	53-58	50-55	
В	В	C	C	D	E	F	G	Н	ı	J	45-49	42-46	39-43	36-4	10	65-70	62-67	59-64	56-61	
В	C	C	D	E	F	G	Н	ı	J	J	50-54	47-51	44-48	41-4	15	71-76	68-73	65-70	62-67	
C	C	D	E	F	G	Н	ı	J	J	K	55-59	52-56	49-53	46-5	50	77-82	74-79	71-76	68-73	
C	D	E	F	G	Н	ı	J	J	K	L	60-64	57-61	54-58	51-5	55	83-88	80-85	77-82	74-79	
D	E	F	G	Н	- 1	J	J	K	L	L	65-69	62-66	59-63	56-6	50	89-94	86-91	83-88	80-85	
E	F	G	Н	ı	J	J	K	L	L	L	70-75	67-72	64-69	61-6	66 9	95-100	92-97	89-94	86-91	
F	G	Н	I	J	J	K	L	L	L		76-81	73-78	70-75	67-7	72 1	01-106	98-103	95-100	92-97	
G	Н	ı	J	J	K	L	L	L			82-87	79-84	76-81	73-7	78 1	07-112	104-109	101-106	98-103	
Н	ı	J	J	K	L	L	L				88-93	85-90	82-87	79-8	34 1	13-118	110-115	107-112	104-109	
Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model G	Weight V	/eight 229"	Size	Spine 28" Sp	@ Model	Weight Grs/Inch	Weight @29"	
		Group (					roup [					roup E					Group			
2013 1916 3L-18 600	0.610 0.623 0.620 0.600	75 75 A/C/C Rdln	9.0 10.0 7.5 6.9	261 290 218 200	2113 2016 500 500 3-18 500 520	0.540 0.531 0.500 0.500 0.560 0.500 0.520	75 75 AFMJ AC Slim A/C/C Crbn Rdln	9.3 10.6 8.9 8.5 7.8 CAWT 7.1	270 307 258 247 226 CAWT 206	2212 2114 2115 2018 500 500 3-28 500 520	0.505 0.510 0.461 0.464 0.500 0.500 0.500 0.500 0.500 0.520	SS, 75 75 75 AFMJ AC Slim A/C/C Crbn Rdln	9.9 10.8 12.3 8.9 8.5 8.1 CAWT	255 287 313 357 258 247 235 CAWT 206	2212 2213 2115 2018 500 500 3-28 500 520	0.50 0.46 0.46 0.50 0.50 0.50 0.50 0.50	5 SS, 75 0 SS, 75 1 75 4 75 0 AFMJ 0 AC Slim 0 A/C/C 0 Crbn 0 Rdln	8.8 9.8 10.8 12.3 8.9 8.5 8.1 CAWT 7.1	255 284 313 357 258 247 235 CAWT 206	
Group I Group J								Group K Group L												

Size — indicates suggested arrow size

0.400

0.400

0.390

0.400

0.410

3-49

400

410

Spine — spine of shaft size shown (static)
CAWT — refer to Carbon box (left) for specific model and weight

AÉMJ

AC Slim

A/C/C Crbn Rdln

Color Designation for Aluminum Arrows — Within each box the aluminum arrows are color coded

8.8

CAWT

287 281 255

CAWT 220

AFMJ

AC Slim A/C/C Crbn Rdln

0.340

0.340

0.340

- = lightest and fastest
- = medium weight offering good speed and durability
- = heavier weights for excellent durability and penetration
- = aluminum/carbon and carbon

Note: Shaft Weight at 29" is shown on our Arrow Selection Charts. To determine weight at your shaft length, multiply your actual shaft length by the grains-per-inch (gpi), not including point, insert, or UNI Bushing.

300 300 3-71

300

0.300

0.300

0.300

0.300

SS, 75 75

AFMJ

AC Slim

A/C/C Crbn

11.6 11.5 9.9

CAWT

336 334 287

CAWT

46

AFMJ Axis Full Metal Jacket

0.297 SS, 75

AÉMJ

AC Slim

A/C/C

0.300

0.300

0.300

0.300

Super Slam (7178-79 alloy) XX75: NexX75, Platinum Plus, Legacy, Camo Hunter, GameGetter II (7075-T9 alloy)

13.3

11.6 11.5 9.9 CAWT

336 334 287

CAWT

Aluminum/Carbon Super Slim

A/C/C Aluminum/Carbon/Composite

300 300

300

322 310 276

CAWT 241

10.7

CAWT

ST Axis, ST Axis Obsession, ST Epic Realtree HD Green, Excel, ST Epic, LightSpeed Suggested shaft sizes were determined using 100-grain points. See "Variables" on left side of page.

1.B <u>Recurve bows and Modern Longbows.</u> In the "Actual Peak Bow Weight" column (right-hand side of the CHART), select the column with the bow type and then the point weight you use. 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 <u>Calculated or Actual Peak Bow Weight</u> row and <u>Correct</u>

Hunting 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. For larger game, you should use heavier shafts.