

ARROW SIZE Selection

Using the Hunting Arrow Selection Chart

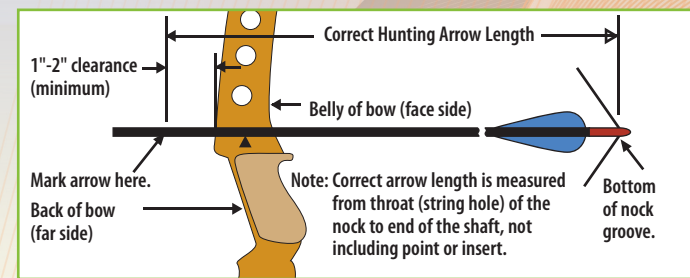
- Once you have determined your **Correct Hunting Arrow Length** and **Calculated or Actual Peak Bow Weight**, you are ready to select your correct shaft size:
 - Compound bows.** In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type cam on your bow, then the column with the point weight you use. Then locate your **Calculated Peak Bow Weight** in that column.
 - Recurve bows and Modern Longbows.** 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.
- 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 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.

Selecting the Correct Hunting Shaft Size

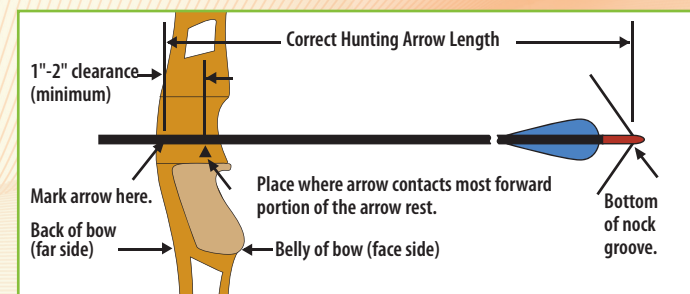
The Hunting Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Hunting Shaft Selection Charts are now available online at www.eastonarchery.com.

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.

Carbon Shaft Weights (CarbWt)

Size	Spine	ST AXIS N-FUSED		ST AXIS N-FUSED Camo		ST Epic N-FUSED		ST Epic N-FUSED Camo		FlatLine & FlatLine Surgical		ST Excel		PowerFlight	
		Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"
600	0.600	7.2	209	—	—	6.4	186	—	—	—	—	—	—	—	
500	0.500	8.1	235	8.9	258	7.3	212	8.0	232	6.5	189	7.3	212	7.3	
400	0.400	9.0	261	9.8	284	8.6	249	9.3	270	7.4	215	8.4	249	8.4	
340	0.340	9.5	276	10.3	299	9.5	276	10.2	296	8.2	238	9.5	276	9.3	
300	0.300	10.7	310	11.5	334	10.0	290	10.7	310	—	—	10.0	290	9.5	

Visit an Easton dealer equipped with the Bow Force Mapping System for expert arrow selection and bow analysis.

COMPOUND BOW - Release Aid

Calculated Peak Bow Weight - lbs.

Medium Cam								Single or Hard Cam								Correct Hunting Arrow Length												RECURVE BOW Finger Release actual peak Bow Weight - lbs.				MODERN LONGBOW Finger Release actual peak Bow Weight - lbs.			
Point Weight				Point Weight				Point Weight												Point Weight				Point Weight											
75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160	75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160	22½ 23"	23½ 24"	24½ 25"	25½ 26"	26½ 27"	27½ 28"	28½ 29"	29½ 30"	30½ 31"	31½ 32"	32½ 33"	75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160	75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160									
								A B B C C D E F G H I J J K L L																41-46 38-43 35-40 32-37											
								A B B C C D E F G H I J J K L L																47-52 44-49 41-46 38-43											
40-44	37-41	34-38	31-35	35-39	32-36	29-33	26-30	A B B C C D E F G H I J J K L L												35-39	32-36	29-33	26-30	53-58	50-55	47-52	44-49								
45-49	42-46	39-43	36-40	40-44	37-41	34-38	31-35	A	B	B	C	C	D	E	F	G	H	I	40-44	37-41	34-38	31-35	59-64	56-61	53-58	50-55									
50-54	47-51	44-48	41-45	45-49	42-46	39-43	36-40	B	B	C	C	D	E	F	G	H	I	J	45-49	42-46	39-43	36-40	65-70	62-67	59-64	56-61									
55-59	52-56	49-53	46-50	50-54	47-51	44-48	41-45	B	C	C	D	E	F	G	H	I	J	J	50-54	47-51	44-48	41-45	71-76	68-73	65-70	62-67									
60-64	57-61	54-58	51-55	55-59	52-56	49-53	46-50	C	C	D	E	F	G	H	I	J	J	K	55-59	52-56	49-53	46-50	77-82	74-79	71-76	68-73									
65-69	62-66	59-63	56-60	60-64	57-61	54-58	51-55	C	D	E	F	G	H	I	J	J	K	L	60-64	57-61	54-58	51-55	83-88	80-85	77-82	74-79									
70-75	67-72	64-69	61-66	65-69	62-66	59-63	56-60	D	E	F	G	H	I	J	J	K	L	L	65-69	62-66	59-63	56-60	89-94	86-91	83-88	80-85									
76-81	73-78	70-75	67-72	70-75	67-72	64-69	61-66	E	F	G	H	I	J	J	K	L	L	L	70-75	67-72	64-69	61-66	95-100	92-97	89-94	86-91									
82-87	79-84	76-81	73-78	76-81	73-78	70-75	67-72	F	G	H	I	J	J	K	L	L	L	M	76-81	73-78	70-75	67-72	101-106	98-103	95-100	92-97									
88-93	85-90	82-87	79-84	82-87	79-84	76-81	73-78	G	H	I	J	J	K	L	L	L	M	M	82-87	79-84	76-81	73-78	107-112	104-109	101-106	98-103									
94-99	91-96	88-93	85-90	88-93	85-90	82-87	79-84	H	I	J	J	K	L	L	L	M	M	M	88-93	85-90	82-87	79-84	113-118	110-115	107-112	104-109									
100-105	97-102	94-99	91-96	94-99	91-96	88-93	85-90	I	J	J	K	L	L	L	M	M	M	M	94-99	91-95	88-93	85-90	119-124	116-121	113-118	110-115									

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

Bow Weight 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 should be measured at your draw length.

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	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"
Group A					Group B					Group C					Group D									
1813	0.874	75	7.9	229	1913	0.733	75	8.3	241	2013	0.610	75	9.0	261	2016	0.531	75	10.6	307	500	0.500	GG	10.6	307
1716	0.880	75	9.0	261	1816	0.756	75	9.3	270	1916	0.623	75	10.0	290	500	0.500	AFMJ	9.1	264	500	0.500	Crbn	CarbWt	CarbWt
Group E					Group F					Group G					Group H									
2212	0.505	SS	8.8	255	2213	0.460	SS, 75	9.8	284	2312	0.423	SS	9.5	276	2215	0.420	SS, 75	10.7	310	2314	0.390	SS, 75	10.7	310
2114	0.510	SS, 75	9.9	287	2018	0.464	75	12.3	357	2217	0.400	SS, 75	12.0	348	2117	0.400	SS, 75	12.0	348	2216	0.375	SS, 75	12.0	348
2018	0.464	75	12.3	357	500	0.500	GG	10.6	307	2020	0.426	75	13.5	392	400	0.400	GG	12.0	348	400	0.400	GG	12.0	348
500	0.500	GG	10.6	307	500	0.500	AFMJ	9.1	264	400	0.400	AFMJ	10.2	296	400	0.400	AFMJ	10.2	296	400	0.400	AFMJ	10.2	296
500	0.500	AFMJ	9.1	264	440	0.440	ACCPPro	8.4	244	440	0.440	ACCPPro	8.4	244	390	0.390	ACCPPro	8.9	258	400	0.400	Crbn	CarbWt	CarbWt
500	0.500	Crbn	CarbWt	CarbWt	500	0.500	Crbn	CarbWt	CarbWt	400	0.400	Crbn	CarbWt	CarbWt	400	0.400	Crbn	CarbWt	CarbWt	400	0.400	Crbn	CarbWt	CarbWt
Group I					Group J					Group K					Group L									
2413	0.365	SS, 75	10.4	302	2512	0.321	SS	10.3	299	2514	0.305	SS, 75	11.3	328	2514	0.305	SS, 75	11.3	328	2317	0.297	SS, 75	13.3	386
2314	0.390	SS, 75	10.7	310	2413	0.365	SS, 75	10.4	302	2317	0.297	SS, 75	13.3	386	2317	0.297	SS, 75	13.3	386	2419	0.268	75	14.6	423
2315	0.340	SS, 75	11.7	339	2315	0.340	SS, 75	11.7	339	300	0.300	GG	13.3	386	300	0.300	GG	13.3	386	300	0.300	GG	13.3	386
2216	0.375	SS, 75	12.0	348	2219	0.337	SS, 75	13.8	400	300	0.300	AFMJ	12.0	348	300	0.300	AFMJ	12.0	348	300	0.300	AFMJ	12.0	348
400	0.400	GG	12.0	348	340	0.340	GG	11.7	339	300	0.300	ACCPPro	10.4	302	300	0.300	ACCPPro	10.4	302	300	0.300	ACCPPro	10.4	302
400	0.400	AFMJ	10.2	296	340	0.340	AFMJ	11.3	328	300	0.300	Crbn	CarbWt	CarbWt	300	0.300	Crbn	CarbWt	CarbWt	300	0.300	Crbn	CarbWt	CarbWt
390	0.390	ACCPPro	8.9	258	340	0.340	ACCPPro	9.7	281	300	0.300	DngrGame	15.5	450	300	0.300	DngrGame	15.5	450	300	0.300	DngrGame	15.5	450
400	0.400	Crbn	CarbWt	CarbWt	340	0.340	Crbn	CarbWt	CarbWt	300	0.300	DngrGame	15.5	450	300	0.300	DngrGame	15.5	450	250	0.250	DngrGame	17.2	499

Group M

2419	0.628	75	14.6	423
300	0.300	ACCPPro	10.4	302
250	0.250	DngrGame	17.2	499

Key

Size – indicates suggested arrow size
 Spine – spine of shaft size shown (static)
 CarbWt – refer to Carbon box (left) for specific model and weight
 Color Designation for Aluminum Arrows – Within each box the aluminum arrows are color coded.
 □ = lightest and fastest
 □ = medium weight offering good speed and durability
 □ = heavier weights for excellent durability and penetration
 □ = aluminum/carbon and carbon
 AFMJ – AXIS Full Metal Jacket & AXIS Full Metal Jacket Camo
 DngrGame – AXIS Full Metal Jacket Dangerous Game
 SS – Super Slam Digital (7178-T9 alloy)
 XX75 – Realtree HD Green, Legacy, Camo Hunter, (7075-T9 alloy) Game Getter
 ACCPro – Aluminum/Carbon/Composite Pro Hunting
 Crbn – ST AXIS, ST AXIS RT, ST Excel, ST Epic, ST Epic RT HD, Flatline, FlatLine Surgical, PowerFlight
 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.