ARROW SIZE 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 cam on your bow. Locate your Calculated Peak Bow Weight in that column.

1.B 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. Next, locate your Actual Peak Bow Weight in that column.

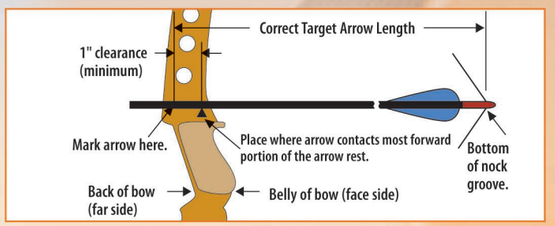
2. Move across that bow-weight row horizontally to the column indicating your Correct Arrow Length. Note the letter in the box where your Calculated or Actual Peak Bow Weight row and Correct Target Arrow Length column intersect. The "Shaft Size" box below the chart with the same letter contains your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

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.

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.

Note: Correct arrow length is measured from throat (string hole) of the nock to end of the shaft, not including point or insert.

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.

Correct Arrow Length for Youth Target

20½ (52.1 cm) 21" 21½ (54.6 cm)	21½ (54.6 cm) 22" 22½ (57.2 cm)	22½ (57.2 cm) 23" 23½ (59.7 cm)	23½ (59.7 cm) 24" 24½ (62.2 cm)	24½ (62.2 cm) 25" 25½ (64.8 cm)	25½ (64.8 cm) 26" 26½ (67.3 cm)	26½ (67.3 cm) 27" 27½ (69.9 cm)	RECURVE BOW Bow Weight - lbs. Finger Release
		Y1	Y1	Y2	Y3	Y4	16-20 lbs. (7.3-9.1 kg)
	Y1	Y1	Y2	Y3	Y4	Y5	20-24 lbs. (9.1-10.9 kg)
Y1	Y1	Y2	Y3	Y4	Y5	Y6	24-28 lbs. (10.9-12.7 kg)
Y1	Y2	Y3	Y4	Y5	Y6	Y7	28-32 lbs. (12.7-14.5 kg)
Y2	Y3	Y4	Y5	Y6	Y7		32-36 lbs. (14.5-16.3 kg)
Y3	Y4	Y5	Y6	Y7			36-40 lbs. (16.3-18.1 kg)

Size	Spine	Model	Weight Grs/Inch	Wt @29"
Group Y1				
1214	2.501	75	5.9	171
Group Y2				
1413	2.036	75	5.9	171
Group Y3				
1413	2.036	75	5.9	171
1416	1.684	75	7.2	209
Group Y4				
1500	1.500	A/C/G	4.7	136
2-00	1.500	A/C/C	4.7	136
1416	1.684	75	7.2	209
Group Y5				
1250	1.250	A/C/E	5.1	148
1300	1.300	A/C/G	5.1	148
3L-00	1.300	A/C/C	5.1	148
1514	1.379	X7	6.8	197
1516	1.403	75	7.3	212
Group Y6				
1150	1.150	Carb1	5.0	145
1250	1.250	A/C/E	5.1	148
1150	1.150	A/C/G	5.5	160
3-00	1.150	A/C/C	5.5	160
1516	1.403	75	7.3	212
1614	1.153	X7	7.7	223
Group Y7				
1000	1.000	A/C/E	5.7	165
1100	1.100	A/C/E	5.1	148
1000	1.000	X10	5.3	154
1000	1.000	A/C/G	5.7	165
3-00	1.150	A/C/C	5.5	160
1000	1.000	Carb1	5.0	145
1614	1.153	X7	7.7	223
1616	1.079	75	8.4	244

A/C/E Aluminum/Carbon/Extreme
X10 X10 Shafts (Aluminum/Carbon)
A/C/G A/C/G (Aluminum/Carbon)
A/C/C Aluminum/Carbon/Composite
Carb1 Carbon One N-FUSED Carbon
X7 X7 Eclipse (7178 alloy)
75 XX75: Platinum Plus, Blues, Jazz and Neos (7075 alloy)

Note: Shaft Weight at 29" is shown on our Shaft Selection Charts. 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.

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 and longbows should be measured at your draw length.

Correct Arrow Length for Target • Field • 3D

Soft Cam ATA up to 210 FPS IBO up to 260 FPS	Medium Cam ATA 211-230 FPS IBO 261-290 FPS	Single or Hard Cam ATA 231 FPS up IBO 291 FPS up	22½ (57.2 cm) 23" 23½ (59.7 cm)	23½ (59.7 cm) 24" 24½ (62.2 cm)	24½ (62.2 cm) 25" 25½ (64.8 cm)	25½ (64.8 cm) 26" 26½ (67.3 cm)	26½ (67.3 cm) 27" 27½ (69.9 cm)	27½ (69.9 cm) 28" 28½ (72.4 cm)	28½ (72.4 cm) 29" 29½ (75.0 cm)	29½ (75.0 cm) 30" 30½ (77.5 cm)	30½ (77.5 cm) 31" 31½ (80.0 cm)	31½ (80.0 cm) 32" 32½ (82.5 cm)	RECURVE BOW Bow Weight - lbs. Finger Release
29-35 lbs. (13.2-15.9 kg)			00	01	02	03	T1	T2	T3				17-23 lbs. (7.7-10.4 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			24-29 lbs. (10.9-13.2 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	T8	T2	T3	T4	T5	T6	T7		30-35 lbs. (13.6-15.9 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)	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)	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	41-45 lbs. (18.6-20.4 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)	T2	T3	T4	T5	T6	T7	T8	T9	T10	T11	46-50 lbs. (20.9-22.7 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)	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	51-55 lbs. (23.1-24.9 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)	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	56-60 lbs. (25.4-27.2 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)	T5	T6	T7	T8	T9	T10	T11	T12	T13	T13	61-65 lbs. (27.7-29.5 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)	T6	T7	T8	T9	T10	T11	T12	T13	T13	T14	66-70 lbs. (29.9-31.8 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)	T7	T8	T9	T10	T11	T12	T13	T13	T14		71-76 lbs. (32.2-34.5 kg)

COMPOUND BOW - Release Aid
Calculated Peak Bow Weight - lbs.

■ *No X10, ProTour, or ACE suitable in shaded areas above.*

Size	Spine	Model	Weight Grs/inch	Wt @29"
Group 00				
1214	2.501	75	5.9	171
1413	2.036	75	5.9	171
Group 01				
2-00	1.500	A/C/G	4.7	136
1500	1.500	A/C/G	4.7	136
1416	1.684	75	7.1	206
1516	1.403	75	7.3	212
Group 02				
1250	1.250	A/C/E	5.1	148
1300	1.300	A/C/G	5.1	148
3L-00	1.300	A/C/C	5.1	148
1514	1.379	X7	6.8	197
Group 03				
1100	1.100	A/C/E	5.1	148
1150	1.150	A/C/G	5.5	160
3-00	1.150	A/C/C	5.5	160
1614	1.153	X7	6.8	223
Group T1				
*920•1000R	0.920•1.000	A/C/E	5.8	168
*900•1000R	0.900•1.000	X10	5.8	168
*880•1000R	0.880•1.000	A/C/G	5.9	171
2L-04	1.020	A/C/C	6.1	177
2-04	0.920	A/C/C	6.5	189
900	0.900	Carb1	5.3	155
1713	1.044	75	7.4	215
1714	0.963	X7	8.1	235
1616	1.079	75	8.4	244
Group T2				
*780•850R	0.780•0.850	A/C/E	6.0	174
*750•830R	0.750•0.830	X10	6.4	186
770	0.770	ProTour	6.0	174
*810•880R	0.810•0.880	A/C/G	6.1	177
2-04	0.920	A/C/C	6.5	189
810	.810	Carb1	5.8	168
1714	0.963	X7	8.1	235
1716	0.880	75	9.0	261
Group T3				
*720•780R	0.720•0.780	A/C/E	6.4	186
*700•750R	0.700•0.750	X10	6.7	194
720	0.720	ProTour	6.2	181
*710•810R	0.710•0.810	A/C/G	6.5	189
3X-04	0.830	A/C/C	6.7	194
3L-04	0.750	A/C/C	7.0	203
730	0.730	Carb1	6.0	174
1813	0.874	75	7.9	229
1814	0.799	X7	8.6	249
1816	0.756	75	9.3	270
Group T4				
*670•720R	0.670•0.720	A/C/E	5.9	171
*650•700R	0.650•0.700	X10	6.8	197
670	0.670	ProTour	6.5	188
*660•710R	0.660•0.710	A/C/G	6.9	200
3L-04	0.750	A/C/C	7.0	203
3-04	0.680	A/C/C	7.2	209
660	0.660	Carb1	6.6	193
1913	0.733	75	8.3	241
1914	0.658	X7	9.3	270
Group T5				
*620•670R	0.620•0.670	A/C/E	6.1	177
*600•650R	0.600•0.650	X10	7.0	203
620	0.620	ProTour	6.7	194
*610•660R	0.610•0.660	A/C/G	7.3	212
3-04	0.680	A/C/C	7.2	209
660	0.660	Carb1	6.6	193
2013	0.610	75	9.0	261
1914	0.658	X7	9.3	270
1916	0.623	75	10.0	290
Group T6				
*570•620R	0.570•0.620	A/C/E	6.3	183
*550•600R	0.550•0.600	X10	7.5	218
570	0.570	ProTour	6.9	201
*540•610R	0.540•0.610	A/C/G	7.7	223
3L-18	0.620	A/C/C	7.5	218
600	0.600	Carb1	6.9	201
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2013	0.610	75	9.0	261
2014	0.579	X7	9.6	278
1916	0.623	75	10.1	293
Group T7				
*520•570R	0.520•0.570	A/C/E	6.7	194
*500•550R	0.500•0.550	X10	7.8	226
520	0.520	ProTour	7.3	210
*540•610R	0.540•0.610	A/C/G	7.7	223
3-18	0.560	A/C/C	7.8	226
3-28	0.500	A/C/C	8.1	235
550	0.550	Carb1	6.9	201
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2212	0.505	X7	8.8	255
2114	0.510	X7, 75	9.9	287
2016	0.531	75	10.6	307
Group T8				
*470•520R	0.470•0.520	A/C/E	6.8	197
*450•500R	0.450•0.500	X10	8.1	235
470	0.470	ProTour	7.6	220
*480•540R	0.480•0.540	A/C/G	8.4	244
3-28	0.500	A/C/C	8.1	235
3-39	0.440	A/C/C	8.6	249
500	.500	Carb1	7.4	213
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2212	0.505	X7	8.8	255
2213	0.460	X7, 75	9.9	287
2114	0.510	X7, 75	9.9	287
2115	0.461	75	10.8	313
Group T9				
*430•470R	0.430•0.470	A/C/E	7.0	203
*410•450R	0.410•0.450	X10	8.5	247
420	0.420	ProTour	8.0	233
*430•480R	0.430•0.480	A/C/G	8.9	258
3-39	0.440	A/C/C	8.6	249
450	0.450	Carb1	8.1	235
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2311	0.450	X7	8.9	258
2312	0.423	X7	9.5	276
2213	0.460	X7, 75	9.9	287
2214	0.425	X7	10.4	302
2115	0.461	75	10.8	313
Group T10				
*400•430R	0.400•0.430	A/C/E	7.5	218
*380•410R	0.380•0.410	X10	8.9	258
380	0.380	ProTour	8.4	244
*430•480R	0.430•0.480	A/C/G	8.9	258
3-39	0.440	A/C/C	8.6	249
3-49	0.390	A/C/C	8.8	255
410	0.410	Carb1	8.5	247
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2413	0.365	X7, 75	10.5	305
2314	0.390	X7, 75	10.8	313
2214	0.425	X7	10.4	302
2314	0.390	X7, 75	10.8	313
2412	0.400	X7	9.7	281
Group T11				
*370•400R	0.370•0.400	A/C/E	7.9	229
380R	0.380	X10	8.9	258
380	0.380	ProTour	8.4	244
3-49	0.390	A/C/C	8.8	255
3-60	0.340	A/C/C	9.5	276
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
350	0.350	FBORE	8.4	844
2413	0.365	X7, 75	10.5	305
2314	0.390	X7, 75	10.8	313
2315	0.340	X7, 75	11.8	342
2511	0.348	X7	9.6	278
Group T12				
370R	0.370	A/C/E	7.9	229
3-60	0.340	A/C/C	9.5	276
3-71	0.300	A/C/C	9.9	287
340	0.340	LSpd	8.2	238
340	0.340	FB	8.3	241
350	0.350	FBORE	8.4	844
2511	0.348	X7	9.6	278
2512	0.321	X7	10.3	299
2612	0.285	X7	10.7	310
2613	0.265	X7	11.5	334
2712	0.260	X7	11.3	328
Group T13				
3-71	0.300	A/C/C	9.9	287
2512	0.321	X7	10.3	299
2612	0.285	X7	10.7	310
2613	0.265	X7	11.5	334
2712	0.260	X7	11.3	328
Group T14				
2613	0.265	X7	11.5	334
2712	0.260	X7	11.3	328

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
Carb1 Carbon One
LSpd LightSpeed & LightSpeed 3D
FB FatBoy
FBORE Full Bore
X7 X7 Eclipse (7178-T9 alloy
75 XX75: Platinum Plus, Blues, Jazz and Neos (7075 alloy)

R The size recommendations for recurve bows are indicated with a letter "R" next to the size.
Size Indicates suggested arrow size
Spine Spine of arrow size shown (static)
Model Designates arrow model
Weight Listed in grains per inch

*** When two sizes are listed together, the weight listed is for the first shaft.**

Visit an Easton dealer equipped with the Bow Force Mapping System for expert arrow selection and bow analysis. *(See page 30 for more information)*