Selecting the Correct Target Shaft

Our Target Shaft Selection Chart will help you, quickly and easily, find the perfect shaft match for your bow. 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 any type bow (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.

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 for 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.
- Recommended or 75-100 grain arrow point weight.
- 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:

- Finger release—Add 5 lbs.
- 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 Calculated Peak Bow Weight of your bow using the chart below.

Bow Weight	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#

3. Determining Actual Peak Bow Weight for Recurve Bows

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.

Bow Draw Length. Draw length is measured at full draw from the "back" (far side-see drawing) of the bow to the bottom of the nock groove. 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 at full draw.

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				
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
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				
1250	1.250	A/C/E	5.1	148
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	NAV	5.1	148
3-00	1.150	A/C/C	5.5	160
1000	1.000	Rdln	5.7	165
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)
Nav Navigator (Aluminum/Carbon)
A/C/C Aluminum/Carbon/Composite
Rdln Redline C2 Carbon-composite
X7 X7 Eclipse and Cobalt (7178 alloy)
75 XX75: Platinum Plus, Blues and Jazz (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.

USING THE TARGET ARROW SELECTION CHART

1. Once you have determined your Correct Arrow Length and Calculated or Actual Peak Bow Weight, you are ready to select your correct shaft size:
   1.1 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 locate your Calculated Peak Bow Weight in that column.
   1.2 Recurve bows. In the "Bow Weight" column (right-hand side of the CHART) locate your Actual Peak Bow Weight at your draw length.
2. Move across that 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 Arrow Length column intersect. The "Size" box below the CHART with the same letter and number contains your recommended arrow sizes. Select an arrow from the Chart depending on the shaft material, shaft weight, and type of shooting you will be doing.

For expert bow weight, arrow selection, and bow analysis, visit an Easton dealer equipped with the Bow Force Mapping System. See page 22 for more information.

Correct Arrow Length for Target • Field • 3D

COMPOUND BOW - Release Aid Calculated Peak Bow Weight - lbs. 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)							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)					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)			T1	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)		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)

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

Go to www.eastonarchery.com for Improved Interactive Spine Weight Chart.

Size	Spine	Model	Weight Grs/Inch	Wt @29"
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	Nav	5.5	160
2L-04	1.020	A/C/C	6.1	177
2-04	0.920	A/C/C	6.5	189
900	0.900	Rdln	5.8	168
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	Nav	5.8	168
770	0.770	NAV-FMJ	6.8	197
2-04	0.920	A/C/C	6.5	189
780	0.780	Rdln	6.3	183
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	Nav	6.3	183
690	0.690	NAV-FMJ	7.1	206
3X-04	0.830	A/C/C	6.7	194
3L-04	0.750	A/C/C	7.0	203
780	0.780	Rdln	6.3	183
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	Nav	6.6	191
690	0.690	NAV-FMJ	7.1	206
3L-04	0.750	A/C/C	7.0	203
3-04	0.680	A/C/C	7.2	209
690	0.690	Rdln	6.3	183
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	6.4	187
*610-660R	0.610-0.660	Nav	6.9	200
630	0.630	NAV-FMJ	7.4	215
3-04	0.680	A/C/C	7.2	209
690	0.690	Rdln	6.3	183
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	Nav	7.4	215
570	0.570	NAV-FMJ	7.8	226
3L-18	0.620	A/C/C	7.5	218
600	0.600	Rdln	6.9	200
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	Nav	7.4	215
510	0.510	NAV-FMJ	8.5	247
3-18	0.560	A/C/C	7.8	226
3-28	0.500	A/C/C	8.1	235
520	0.520	Rdln	7.1	206
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	Nav	8.0	232
460	0.460	NAV-FMJ	8.6	249
3-28	0.500	A/C/C	8.1	235
3-39	0.440	A/C/C	8.6	249
460	0.460	Rdln	7.3	212
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	Nav	8.4	244
400	0.400	NAV-FMJ	9.5	276
3-39	0.440	A/C/C	8.6	249
460	0.460	Rdln	7.3	212
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	8.3	240
*430-480R	0.430-0.480	Nav	8.4	244
400	0.400	NAV-FMJ	9.5	276
3-39	0.440	A/C/C	8.6	249
3-49	0.390	A/C/C	8.8	255
410	0.410	Rdln	7.6	220
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2412	0.400	X7	9.7	281
2413	0.365	X7, 75	10.5	305
2214	0.425	X7	10.4	302
2314	0.390	X7, 75	10.8	313
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	8.3	240
400	0.400	NAV-FMJ	9.5	276
3-49	0.390	A/C/C	8.8	255
3-60	0.340	A/C/C	9.5	276
360	0.360	Rdln	8.3	241
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
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
360	0.360	Rdln	8.3	241
340	0.340	LSpd	8.2	238
340	0.340	FB	8.3	241
2511	0.348	X7	9.6	277
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	311
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)
NAV-FMJ Navigator Full Metal Jacket (Carbon Core)
A/C/C Aluminum/Carbon/Composite
Rdln Redline
LSpd LightSpeed & LightSpeed 3D
FB FatBoy
X7 X7 Eclipse and Cobalt (7178-T9 alloy)
75 XX75: Platinum Plus, Blues, and Jazz (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.**