

# Target Shaft Selection Chart

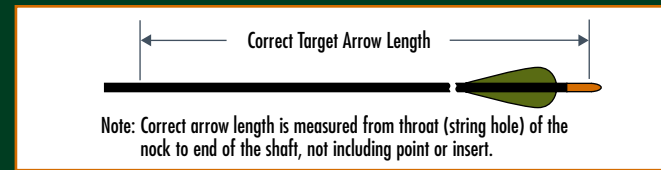
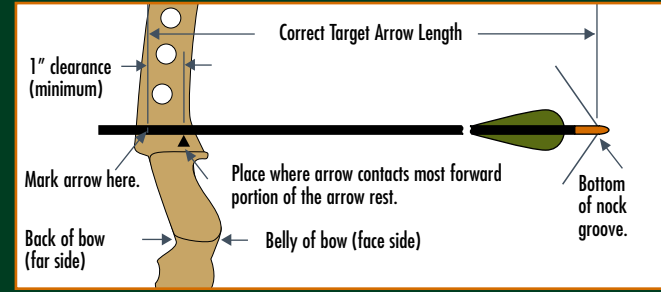
For expert bow weight, arrow selection, and bow analysis visit an Easton dealer equipped with the Bow Force Mapping System. See page 39 for more information.

## 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 Hunting Shaft Selection Charts—now available online at [www.easton.com](http://www.easton.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.



### 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 6 1/2".

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 6 1/2" — 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,	1#	3#	6#	9#	12#
add to bow weight—					

### 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							RECURVE BOW Bow Weight - Lbs. Finger Release
20 1/2 (52.1 cm)	21 1/2 (54.6 cm)	22 1/2 (57.2 cm)	23 1/2 (59.7 cm)	24 1/2 (62.2 cm)	25 1/2 (64.8 cm)	26 1/2 (67.3 cm)	
<b>21"</b>	<b>22"</b>	<b>23"</b>	<b>24"</b>	<b>25"</b>	<b>26"</b>	<b>27"</b>	16-20 lbs. (7.3-9.1 kg)
21 1/2 (54.6 cm)	22 1/2 (57.2 cm)	23 1/2 (59.7 cm)	24 1/2 (62.2 cm)	25 1/2 (64.8 cm)	26 1/2 (67.3 cm)	27 1/2 (69.9 cm)	
	Y1	Y1	Y2	Y3	Y4		
Y1	Y1	Y2	Y3	Y4	Y5		
Y1	Y1	Y2	Y3	Y4	Y5	Y6	
Y1	Y2	Y3	Y4	Y5	Y6	Y7	
Y2	Y3	Y4	Y5	Y6	Y7		
Y3	Y4	Y5	Y6	Y7			

Size	Spine	Model	Weight Grs/Inch	Wt @29"	Size	Spine	Model	Weight Grs/Inch	Wt @29"
Group Y1					Group Y2				
1214	2.501	75	5.9	171	1413	2.036	75	5.9	171
Group Y3					Group Y4				
1413	2.036	75	5.9	171	2-00	1.500	A/C/C	4.7	136
1416	1.684	75	7.2	209	1512	1.553	X7	5.8	168
					1416	1.684	75	7.2	209
Group Y5					Group Y6				
1250	1.250	A/C/E	5.1	148	1250	1.250	A/C/E	5.1	148
3-00	1.300	A/C/C	5.1	148	3-00	1.150	A/C/C	5.5	160
1514	1.379	X7	6.8	197	1612	1.298	X7	6.3	183
1612	1.298	X7	6.3	183	1516	1.403	75	7.3	212
1516	1.403	75	7.3	212	1614	1.153	X7	7.7	223
Group Y7					A/C/E X10 Nov A/C/C Rdn X7 75				
1000	1.000	A/C/E	5.7	165	Aluminum/Carbon/Extreme X10 Shafts (Aluminum/Carbon) Navigator (Aluminum/Carbon) Aluminum/Carbon/Composite Redline C2 Carbon-composite X7 Eclipse and Caball (7178 alloy) XX7's: Platinum Plus and Jazz (7075 alloy)				
1100	1.100	A/C/E	5.1	148	Note: Shaft Weight at 29" is shown on our Shaft Selection Charts. To determine weight of your shaft length, multiply the grains-per-inch (gpi) by your actual shaft length not including point, insert or UNI Bushing.				
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					
1712	1.099	X7	6.7	194					
1614	1.153	X7	7.7	223					
1616	1.079	75	8.4	244					

## 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.

COMPOUND BOW - Release Aid Calculated Peak Bow Weight - Lbs.			CORRECT ARROW LENGTH FOR TARGET • FIELD • 3D											RECURVE BOW Bow Weight - Lbs. Finger Release
Soft Cam	Medium Cam	Single or Hard Cam	22 1/2 (57.2 cm)	23 1/2 (59.7 cm)	24 1/2 (62.2 cm)	25 1/2 (64.8 cm)	26 1/2 (67.3 cm)	27 1/2 (69.9 cm)	28 1/2 (72.4 cm)	29 1/2 (75.0 cm)	30 1/2 (77.5 cm)	31 1/2 (80.0 cm)	32 1/2 (82.5 cm)	
ATA up to 210 FPS IBO up to 260 FPS	ATA 211-230 FPS IBO 261-290 FPS	ATA 231 FPS up IBO 291 FPS up	<b>23"</b>	<b>24"</b>	<b>25"</b>	<b>26"</b>	<b>27"</b>	<b>28"</b>	<b>29"</b>	<b>30"</b>	<b>31"</b>	<b>32"</b>		
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	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	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	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	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	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	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	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	71-76 lbs. (32.2-34.5 kg)	

No X10 or A/C/E shafts suitable in shaded areas above.

Size	Spine	Model	Weight Grs/Inch	Wt @29"	Size	Spine	Model	Weight Grs/Inch	Wt @29"	Size	Spine	Model	Weight Grs/Inch	Wt @29"	Size	Spine	Model	Weight Grs/Inch	Wt @29"
Group T1					Group T2					Group T3					Group T4				
*920-1000R	0.920-1.000	A/C/E	5.8	168	*780-850R	0.780-0.850	A/C/E	6.0	174	*720-780R	0.720-0.780	A/C/E	6.4	186	*670-720R	0.670-0.720	A/C/E	5.9	171
*900-1000R	0.900-1.000	X10	5.8	168	*750-830R	0.750-0.830	X10	6.4	186	*700-750R	0.700-0.750	X10	6.7	194	*650-700R	0.650-0.700	X10	6.8	197
*880-1000R	0.880-1.000	Nav	5.5	160	*810-880R	0.810-0.880	Nav	5.8	168	*710-810R	0.710-0.810	Nav	6.3	183	*660-710R	0.660-0.710	Nav	6.6	191
					2-04	1.020	A/C/C	6.1	177	3X-04	0.830	A/C/C	6.7	194	3-04	0.750	A/C/C	7.0	203
					2-04	0.920	A/C/C	6.5	189	3L-04	0.750	A/C/C	7.0	203	3-04	0.680	A/C/C	6.2	209
					900	0.900	RdlN	5.8	168	780	0.780	RdlN	6.3	183	690	0.690	RdlN	6.3	183
					1712	1.099	X7	6.7	194	1716	0.880	X7	7.5	212	1912	0.778	X7	7.6	220
					1713	1.044	75	7.4	215						1813	0.874	75	7.9	229
					1714	0.963	X7	8.1	235						1814	0.799	X7	8.6	249
					1616	1.079	75	8.4	244						1816	0.756	75	9.3	270
Group T5					Group T6					Group T7					Group T8				
*620-670R	0.620-0.670	A/C/E	6.1	177	*570-620R	0.570-0.620	A/C/E	6.3	183	*520-570R	0.520-0.570	A/C/E	6.7	194	*470-520R	0.470-0.520	A/C/E	6.8	197
*600-650R	0.600-0.650	X10	7.0	203	*550-600R	0.550-0.600	X10	7.5	218	*500-550R	0.500-0.550	X10	7.8	226	*450-500R	0.450-0.500	X10	8.1	235
*610-660R	0.610-0.660	Nav	6.9	200	*540-610R	0.540-0.610	Nav	7.4	215	*540-610R	0.540-0.610	Nav	7.4	215	*480-540R	0.480-0.540	Nav	8.0	232
					3-04	0.680	A/C/C	7.2	209	500	0.500	AC Slim	8.5	247	500	0.500	AC Slim	8.5	247
					690	0.690	RdlN	6.3	183	3L-18	0.620	A/C/C	7.5	218	3-18	0.560	A/C/C	7.8	226
					2012	0.680	X7	8.0	232	600	0.600	RdlN	6.9	200	3-28	0.500	A/C/C	8.1	235
					2013	0.610	75	9.0	261	500	0.500	LSpd	6.5	189	520	0.520	RdlN	7.1	206
					1914	0.658	X7	9.3	270	500	0.500	FB	7.1	206	500	0.500	LSpd	6.5	189
					1916	0.623	75	10.0	290	2112	0.590	X7	8.4	244	500	0.500	FB	7.1	206
										2013	0.610	75	9.0	261	2212	0.505	X7	8.8	255
										2014	0.579	X7	9.6	278	2114	0.510	X7, 75	9.9	287
										1916	0.623	75	10.1	293	2016	0.531	75	10.6	307
Group T9					Group T10					Group T11					Group T12				
*430-470R	0.430-0.470	A/C/E	7.0	203	*400-430R	0.400-0.430	A/C/E	7.5	218	*370-400R	0.370-0.400	A/C/E	7.9	229	370R	0.370	A/C/E	7.9	229
*410-450R	0.410-0.450	X10	8.5	247	*380-410R	0.380-0.410	X10	8.9	258	380R	0.380	X10	8.9	258	340	0.340	AC Slim	10.7	310
*430-480R	0.430-0.480	Nav	8.4	244</															