

Target  
Arrow  
Selection  
Chart  
2014  
(Stylized)

# TARGET ARROW SELECTION

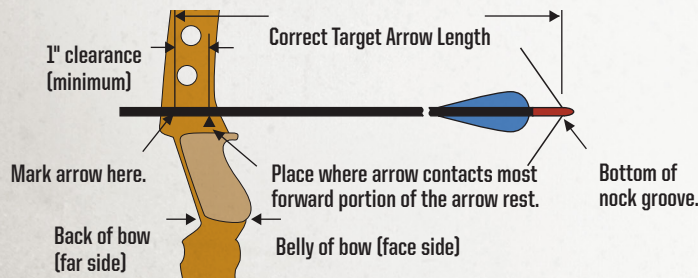
## USING THE TARGET ARROW SELECTION CHART

- 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:
  - 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.
  - 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.
- 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 factoring in the shaft material, shaft weight, and type of shooting you will be doing.

## SELECTING THE CORRECT TARGET SHAFT SIZE

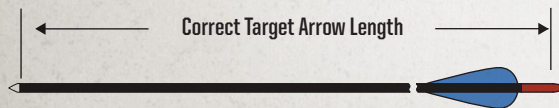
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Target Shaft Selection Charts are now available online at [www.eastonarchery.com](http://www.eastonarchery.com).

- 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.



- 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.

## CORRECT ARROW LENGTH FOR LOW POUNDAGE TARGET

21"	22"	23"	24"	25"	26"	27"	RECURVE 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)

Note: If your arrow shaft is 1/2" inch more than the closest inch column shown on chart, round up to the next inch in column. Example, if your arrow length is 24-1/2", use the 25" column.

SIZE	SPINE	MODEL	WEIGHT GRS/ INCH	SIZE	SPINE	MODEL	WEIGHT GRS/INCH
<b>GROUP Y1</b>				<b>GROUP Y2</b>			
1214	2.501	75	5.9	1413	2.036	75	5.9
<b>GROUP Y3</b>				<b>GROUP Y4</b>			
1413	2.036	75	5.9	1500	1.500	A/C/G	4.7
1416	1.684	75	7.2	2-00	1.500	A/C/C	4.7
				1416	1.684	75	7.2
<b>GROUP Y5</b>				<b>GROUP Y6</b>			
1250	1.250	A/C/E	5.1	1250	1.250	A/C/E	5.1
1300	1.300	A/C/G	5.1	1150	1.150	A/C/G	5.5
3-00	1.300	A/C/C	5.1	3-00	1.150	A/C/C	5.5
1200	1.200	Apollo	5.5	1150	1.150	Carb1	5.0
1514	1.379	X7	6.8	1200	1.200	Apollo	5.5
1516	1.403	75	7.3	1516	1.403	75	7.3
				1614	1.153	X7	7.7
<b>GROUP Y7</b>				<b>KEY</b>			
1000	1.000	A/C/E	5.7	A/C/E	Aluminum/Carbon/Extreme		
1100	1.100	A/C/E	5.1	X10	X10 Shafts (Aluminum/Carbon)		
1000	1.000	X10	5.3	A/C/G	A/C/G (Aluminum/Carbon)		
1000	1.000	A/C/G	5.7	A/C/C	Aluminum/Carbon/Composite		
3-00	1.150	A/C/C	5.5	Carb1	Carbon One N-FUSED® Carbon		
1000	1.000	Carb1	5.0	Apollo	Carbon Apollo		
1070	1.070	Apollo	5.9	X7	X7 Eclipse (T178 alloy), X27 6 X29		
1614	1.153	X7	7.7	X75	XX75: Platinum Plus, Tribute, Jazz and NEOs (T075 alloy)		
1616	1.079	75	8.4				

Note: 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.

## Variables to “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.

- 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.

COMPOUND BOW - RELEASE AID CALCULATED PEAK BOW WEIGHT - LBS.

CORRECT ARROW LENGTH FOR TARGET/FIELD/3D

ATA Bow Rating up to 275 FPS	ATA Bow Rating 270-300 FPS	ATA Bow Rating 301-340 FPS	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	RECURVE BOW WEIGHT-LBS FINGER RELEASE
29-35 lbs. (13.2-15.9 kg)			00	01	02	03	T1	T2	T3				21-27 lbs. (9.5-12.2 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			27-32 lbs. (12.2-14.5 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	T1	T2	T3	T4	T5	T6	T7		32-36 lbs. (14.5-16.3 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	40-44 lbs. (18.1-20.0 kg)
55-60 lbs. (24.9-27.9 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	44-48 lbs. (20.0-21.8 kg)
60-65 lbs. (27.2-29.5 kg)	55-60 lbs. (24.9-27.9 kg)	50-55 lbs. (22.7-24.9 kg)	T3	T4	T5	T6	T7	T8	T9	T10	T11	T12	48-52 lbs. (21.8-23.6 kg)
65-70 lbs. (29.5-31.8 kg)	60-65 lbs. (27.2-29.5 kg)	55-60 lbs. (24.9-27.9 kg)	T4	T5	T6	T7	T8	T9	T10	T11	T12	T13	53-57 lbs. (24.0-25.9 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	58-62 lbs. (26.03-28.1 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	63-67 lbs. (28.5-30.4 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		68-73 lbs. (30.8-33.1 kg)

No X10, ProTour, or ACE suitable in shaded areas above. Note: If your arrow shaft is over 1/2" inch more than the closest inch column shown on chart, round up to the next inch column. Example, if your arrow length is 28 1/2", use the 29" column.

ATA Compound Bow Rating 341-350 FPS				Shift one selection box stiffer Examples shift from box T8 to T9.				ATA Compound Bow Rating 351 FPS or Higher				Shift two selection boxes stiffer Examples shift from box T8 - T10.			
SIZE	SPINE	MODEL	WEIGHT GRS/INCH	SIZE	SPINE	MODEL	WEIGHT GRS/INCH	SIZE	SPINE	MODEL	WEIGHT GRS/ INCH	SIZE	SPINE	MODEL	WEIGHT GRS/ INCH
<b>GROUP O0</b>				<b>GROUP O1</b>				<b>GROUP O2</b>				<b>GROUP O3</b>			
1214	2.501	75	5.9	2-00	1.500	A/C/E	4.7	1250	1.250	A/C/E	5.1	1100	1.100	A/C/E	5.1
1413	2.036	75	5.9	1500	1.500	A/C/G	4.7	1300	1.300	A/C/G	5.1	1150	1.150	A/C/G	5.5
				1416	1.694	75	7.1	3L-00	1.300	A/C/C	5.1	3-00	1.150	A/C/C	5.5
				1516	1.403	75	7.3	1514	1.379	X7	6.8	1200	1.200	Apollo	5.5
												1614	1.153	X7	7.7
<b>GROUP T1</b>				<b>GROUP T2</b>				<b>GROUP T3</b>				<b>GROUP T4</b>			
*920-1000R	0.920-1.000	A/C/E	5.8	*780-850R	0.780-0.850	A/C/E	6.0	*720-780R	0.720-0.780	A/C/E	6.4	*670-720R	0.670-0.720	A/C/E	5.9
*900-1000R	0.900-1.000	X10	5.8	*750-830R	0.750-0.830	X10	6.4	*700-750R	0.700-0.750	X10	6.7	*650-700R	0.650-0.700	X10	6.8
*880-1000R	0.880-1.000	A/C/G	5.9	770	0.770	ProTour	6.0	720	0.720	ProTour	6.2	670	0.670	ProTour	6.5
2L-04	1.020	A/C/C	6.1	*810-880R	0.810-0.880	A/C/G	6.1	*710-810R	0.710-0.810	A/C/G	6.5	*660-710R	0.660-0.710	A/C/G	6.9
2-04	0.920	A/C/C	6.5	2-04	0.920	A/C/C	6.5	3X-04	0.830	A/C/C	6.7	3L-04	0.750	A/C/C	7.0
900	0.900	Carb1	5.3	810	0.810	Carb1	5.8	3L-04	0.750	A/C/C	7.0	3-04	0.680	A/C/C	7.2
1070	1.070	Apollo	5.9	950	0.950	Apollo	6.2	730	0.730	Carb1	6.0	660	0.660	Carb1	6.6
1713	1.044	75	7.4	1714	0.963	X7	8.1	840	0.840	Apollo	6.5	740	0.740	Apollo	7.2
1774	0.963	X7	8.1	1716	0.880	75	9.0	1813	0.874	75	7.9	1913	0.733	75	8.3
1616	1.079	75	8.4					1814	0.799	X7	8.6	1914	0.658	X7	9.3
								1816	0.756	75	9.3				
<b>GROUP T5</b>				<b>GROUP T6</b>				<b>GROUP T7</b>				<b>GROUP T8</b>			
*620-670R	0.620-0.670	A/C/E	6.1	*570-620R	0.570-0.620	A/C/E	6.3	*520-570R	0.520-0.570	A/C/E	6.7	*470-520R	0.470-0.520	A/C/E	6.8
*600-650R	0.600-0.650	X10	7.0	*550-600R	0.550-0.600	X10	7.5	*500-550R	0.500-0.550	X10	7.8	*450-500R	0.450-0.500	X10	8.1
620	0.620	ProTour	6.7	570	0.570	ProTour	6.9	520	0.520	ProTour	7.3	470	0.470	ProTour	7.6
620	0.620	Pro Field	6.1	570	0.570	Pro Field	6.4	520	0.520	Pro Field	6.7	470	0.470	Pro Field	7.0
*610-660R	0.610-0.660	A/C/G	7.3	*540-610R	0.540-0.610	A/C/G	7.7	*540-610R	0.540-0.610	A/C/G	7.7	*480-540R	0.480-0.540	A/C/G	8.4
3-04	0.680	A/C/C	7.2	3L-18	0.620	A/C/C	7.5	3-18	0.560	A/C/C	7.8	3-28	0.500	A/C/C	8.1
660	0.660	Carb1	6.6	600	0.600	Carb1	6.9	3-28	0.500	A/C/C	8.1	3-39	0.440	A/C/C	8.6
670	0.670	Apollo	7.7	610	0.610	Apollo	8.1	550	0.550	Carb1	6.9	500	0.500	Carb1	7.4
2013	0.610	75	9.0	500	0.500	LSpd	6.5	560	0.560	Apollo	8.4	500	0.500	LSpd	6.5
1914	0.658	X7	9.3	500	0.500	FB	7.1	500	0.500	LSpd	6.5	500	0.500	FB	7.1
1916	0.623	75	10.0	2013	0.610	75	9.0	500	0.500	FB	7.1	2212	0.505	X7	8.8
				2014	0.579	X7	9.6	2212	0.505	X7	8.8	2213	0.460	X7, 75	9.8
				1916	0.623	75	10.0	2114	0.510	X7, 75	9.9	2114	0.510	X7, 75	9.9
								2016	0.531	75	10.6				
<b>GROUP T9</b>				<b>GROUP T10</b>				<b>GROUP T11</b>				<b>GROUP T12</b>			
*430-470R	0.430-0.470	A/C/E	7.0	*400-430R	0.400-0.430	A/C/E	7.5	*370-400R	0.370-0.400	A/C/E	7.9	370R	0.370	A/C/E	7.9
*410-450R	0.410-0.450	X10	8.5	*380-410R	0.380-0.410	X10	8.9	380R	0.380	X10	8.9	3-60	0.340	A/C/C	9.5
420	0.420	ProTour	8.0	380	0.380	ProTour	8.4	380	0.380	ProTour	8.4	3-71	0.300	A/C/C	9.9
420	0.420	Pro Field	7.5	380	0.380	Pro Field	7.8	380	0.380	Pro Field	7.8	340	0.340	LSpd	8.2
*430-480R	0.430-0.480	A/C/G	8.9	*430-480R	0.430-0.480	A/C/G	8.9	3-49	0.390	A/C/C	8.8	340	0.340	FB	8.3
3-39	0.440	A/C/C	8.6	3-39	0.440	A/C/C	8.6	3-60	0.340	A/C/C	9.5	350	0.350	FBORE	8.4
450	0.450	Carb1	8.1	3-49	0.390	A/C/C	8.8	400	0.400	LSpd	7.4	2511	0.348	X7	9.6
400	0.400	LSpd	7.4	410	0.410	Carb1	8.5	400	0.400	FB	7.8	2512	0.321	X7	10.3
400	0.400	FB	7.8	400	0.400	LSpd	7.4	350	0.350	FBORE	8.4	2612	0.285	X7	10.7
2311	0.450	X7	8.9	400	0.400	FB	7.8	2314	0.390	X7, 75	10.8	2613	0.265	X7	11.5
2312	0.423	X7	9.5	2413	0.365	X7, 75	10.4	2315	0.340	X7, 75	11.8	2712	0.260	X7	11.3
2213	0.460	X7, 75	9.8	2214	0.425	X7	10.4	2511	0.348	X7	9.6				
2214	0.425	X7	10.4	2314	0.390	X7, 75	10.7								
				2412	0.400	X7	9.7								
<b>GROUP T13</b>				<b>GROUP T14</b>											
3-71	0.300	A/C/C	9.9	270	0.270	FBORE	9.0								
270	0.270	FBORE	9.0	2613	0.265	X7	11.5								
2512	0.321	X7	10.3	2712	0.260	X7	11.3								
2612	0.285	X7	10.7												
2613	0.265	X7	11.5												
2712	0.260	X7	11.3												

A/C/E Aluminum/Carbon/Extreme  
X10 Shafts (Aluminum/Carbon)  
ProTour X10 ProTour Shafts (Aluminum/Carbon)  
Pro Field A/C Pro Field (Aluminum/Carbon)  
A/C/G A/C/G (Aluminum/Carbon)  
Carb1 Aluminum/Carbon/Composite  
Apollo Carbon Apollo  
LSpd LightSpeed & LightSpeed 3D  
FB FatBoy  
FBORE Full Bore  
X, X27 (2712) G X23 (2312, 2314, 2315) (7178 alloy)  
XX75 Platinum Plus, Tribute, Jazz and Neos (7075 alloy)

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

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