ARROW SELECTION

USING THE TARGET ARROW SELECTION CHART

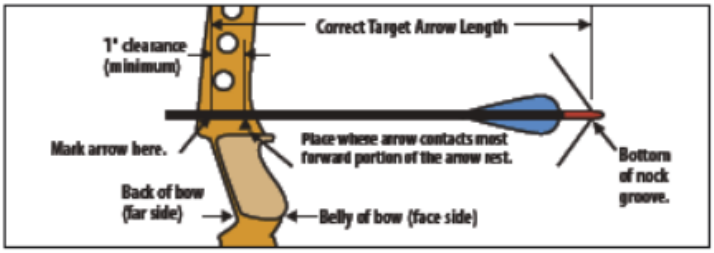
1. Once you have determined your *Correct Target Arrow Length* and *Calculated* or *Actual Peak Bow Weight*, you are ready to select your correct shaft size:
   1.A *Compound bows.* In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type of cam on your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

SELECTING THE CORRECT TARGET SHAFT SIZE

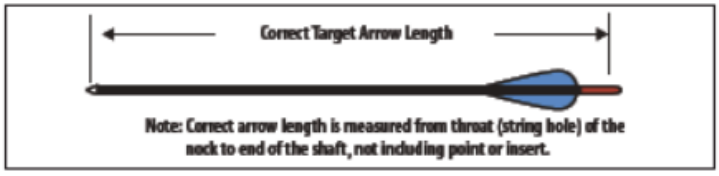
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at www.eastonarchery.com

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.



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	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.

LOW POUNDAGE RECURVE BOW Bow Weight—lbs. @ your Release	YOUR ARROW LENGTH						
	21"	22"	23"	24"	25"	26"	27"
16–20 lbs. (7.3–9.1 kg)			Y1	Y1	Y2	Y3	Y4
20–24 lbs. (9.1–10.9 kg)		Y1	Y1	Y2	Y3	Y4	Y5
24–28 lbs. (10.9–12.7 kg)	Y1	Y1	Y2	Y3	Y4	Y5	Y6
28–32 lbs. (12.7–14.5 kg)	Y1	Y2	Y3	Y4	Y5	Y6	Y7
32–36 lbs. (14.5–16.3 kg)	Y2	Y3	Y4	Y5	Y6	Y7	
36–40 lbs. (16.3–18.1 kg)	Y3	Y4	Y5	Y6	Y7		

Note: If your arrow shaft is longer than inch lengths shown, round-up to the next longer increment.

Size	Spine	Model	Weight Grs/Inch
Group Y1			
2000	2.000	Carb1	3.4
2000	2.000	Apollo	3.4
2000	2.000	Inspire	3.4
1214	2.501	75	5.9
Group Y2			
1800	1.800	Carb1	3.6
1800	1.800	Apollo	3.6
1800	1.800	Inspire	3.6
1413	2.036	75	5.9
Group Y3			
1600	1.600	Carb1	3.8
1600	1.600	Apollo	3.8
1600	1.600	Inspire	3.8
1416	1.684	75	7.2
Group Y4			
15020-	1.500	A/C/G	4.7
2-00	1.500	A/C/C	4.7
1400	1.400	Carb1	4.2
1400	1.400	Apollo	4.2
1400	1.400	Inspire	3.9
1400	1.400	Vector	3.9
1416	1.684	75	7.2
Group Y5			
1250	1.250	A/C/E	5.1
1300	1.300	A/C/G	5.1
3L-00	1.300	A/C/C	5.1
1200	1.200	Apollo	5.5
1200	1.200	Inspire	7.2
1400	1.400	Vector	3.9
1514	1.379	X7	6.8
1516	1.403	75	7.3
Group Y6			
1250	1.250	A/C/E	5.1
1150	1.150	A/C/G	5.5
3-00	1.150	A/C/C	5.5
1150	1.200	Carb1	5.0
1200	1.200	Apollo	5.5
1200	1.200	Inspire	7.2
1000	1.000	Vector	5.0
1516	1.403	75	7.3
1614	1.403	X7	7.7
Group Y7			
1000	1.000	A/C/E	5.7
1100	1.100	A/C/G	5.1
1000	1.000	X10	5.3
1000	1.000	A/C/G	5.7
3-00	1.150	A/C/C	5.5
1000	1.000	Carb1	5.0
1070	1.070	Apollo	5.9
1000	1.000	Inspire	7.2
1000	1.000	Vector	5.0
1614	1.153	X7	7.7
1616	1.079	75	8.4

KEY

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
Apollo	Carbon Apollo
Inspire	Carbon Inspire
Vector	Carbon Vector
X7	X7 Eclipse (7178 alloy)
75	XX75: Platinum Plus, Tribute, Jazz and Neos (7075 alloy)

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.

ARROW SELECTION

COMPOUND BOW
– Release Aid Calculated Peak Bow Weight–lbs

YOUR ARROW LENGTH FOR TARGET • FIELD • 3D

Bow Rating up to 275 FPS	Bow Rating 276–300 FPS	Bow Rating 301–320 FPS	Bow Rating 321–340 FPS	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	RECURVE BOW 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			27–32lbs. (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)	35–40 lbs. (15.9–18.1 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)	40–45 lbs. (18.1–20.4 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)	45–50 lbs. (20.4–22.7 kg)	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	40–44 lbs (18.1–20.0 kg)
55–60 lbs (24.9–27.2 kg)	50–55 lbs. (22.7–24.9 kg)	45–50 lbs. (20.4–22.7 kg)	50–55 lbs. (22.7–24.9 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. (24.9–27.2 kg)	50–55 lbs. (22.7–24.9 kg)	55–60 lbs. (24.9–27.2 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. (24.9–27.2 kg)	60–65 lbs. (27.2–29.5 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)	65–70 lbs. (29.5–31.8 kg)	T5	T6	T7	T8	T9	T10	T11	T12	T13	T13	58–62 lbs. (26.3–28.1 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)	70–76 lbs. (31.8–34.5 kg)	T6	T7	T8	T9	T10	T11	T12	T13	T13	T14	63–67 lbs. (28.6–30.4 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)	76–82 lbs. (34.8–37.2 kg)	T7	T8	T9	T10	T11	T12	T13	T13	T14		68–73 lbs. (30.8–33.1 kg)

For ATA Speed of 341–350 FPS: Start in 321–340 FPS column, drop down one row in chart Examples: 62lb–31in–345 FPS: drop down one row, still in Group T13 52lb–28in–345 FPS: drop down one row, shift from Group T8 to Group T9

For ATA Speed of 351+ FPS: Start in 321–340 FPS column, drop down two rows in chart. Examples: 62lb–31in–355 FPS: drop down two rows, shift from Group T13 to Group T14 52lb–28in–355 FPS: drops down two rows, shift from Group T8 to Group T10

Size	Spine	Model	Weight Grs/inch
Group 00			
1800	1.800	Carb1	3.6
1800	1.800	Apollo	3.6
1800	1.800	Inspire	3.6
1214	2.501	75	5.9
1413	2.036	75	5.9

Size	Spine	Model	Weight Grs/inch
Group 01			
2-00	1.500	A/C/G	4.7
1500	1.500	A/C/G	4.7
1600	1.600	Carb1	3.8
1600	1.600	Apollo	3.8
1416	1.684	75	7.1
1516	1.403	75	7.3

Size	Spine	Model	Weight Grs/inch
Group 02			
1250	1.250	A/C/E	5.1
1300	1.300	A/C/G	5.1
3L–00	1.300	A/C/C	5.1
1400	1.400	Carb1	4.2
1400	1.400	Inspire	4.2
1400	1.400	Vector	3.9
1514	1.379	X7	6.8

Size	Spine	Model	Weight Grs/inch
Group 03			
1100	1.100	A/C/E	5.1
1150	1.150	A/C/G	5.5
3-00	1.150	A/C/C	5.5
1150	1.150	Carb1	5.0
1200	1.200	Inspire	7.2
1200	1.200	Apollo	5.5
1000	1.000	Vector	5.0
1614	1.153	X7	7.7

Size	Spine	Model	Weight Grs/inch
Group T3			
*720•780R	0.720•0.780	A/C/E	6.4
*700•750R	0.700•0.750	X10	6.7
720	0.720	ProTour	6.2
*710•810R	0.710•0.810	A/C/G	6.5
3X–04	0.830	A/C/C	6.7
3L–04	0.750	A/C/C	7.0
730	0.730	Carb1	6.0
750	0.750	Inspire	8.1
840	0.840	Apollo	6.5
1813	0.874	75	7.9
1814	0.799	X7	8.6
1816	0.756	75	9.3

Size	Spine	Model	Weight Grs/inch
Group T4			
*670•720R	0.670•0.720	A/C/E	5.9
*650•700R	0.650•0.700	X10	6.8
670	0.670	ProTour	6.5
*660•710R	0.660•0.710	A/C/G	6.9
3L–04	0.750	A/C/C	7.0
3-04	0.680	A/C/C	7.2
660	0.660	Carb1	6.6
630	0.630	Inspire	7.9
740	0.740	Apollo	7.2
1913	0.733	75	8.3
1914	0.658	X7	9.3

Size	Spine	Model	Weight Grs/inch
Group T5			
*620•670R	0.620•0.670	A/C/E	6.1
*600•650R	0.600•0.650	X10	7.0
620	0.620	ProTour	6.7
*610•660R	0.610•0.660	A/C/G	7.3
3–04	0.680	A/C/C	7.2
660	0.660	Carb1	6.6
630	0.630	Inspire	7.9
670	0.670	Apollo	7.7
2013	0.610	75	9.0
1914	0.658	X7	9.3
1916	0.623	75	10.0

Size	Spine	Model	Weight Grs/inch
Group T6			
*520•570R	0.520•0.570	A/C/E	6.3
*500•550R	0.500•0.550	X10	7.5
570	0.570	ProTour	6.9
*540•610R	0.540•0.610	A/C/G	7.7
3L–18	0.620	A/C/C	7.5
600	0.600	Carb1	6.9
570	0.570	Inspire	8.2
610	0.610	Apollo	8.1
500	0.500	LSpd	6.5
500	0.500	FB	7.1
2013	0.610	75	9.0
2014	0.579	X7	9.6
1916	0.623	75	10.1

Size	Spine	Model	Weight Grs/inch
Group T9			
*430•470R	0.430•0.470	A/C/E	7.0
*410•450R	0.410•0.450	X10	8.5
420	0.420	ProTour	8.0
*430•480R	0.430•0.480	A/C/G	8.9
3-39	0.440	A/C/C	8.6
450	0.450	FMJMatch	9.4
450	0.450	Carb1	8.1
400	0.400	LSpd	7.4
450	0.450	Triumph	
400	0.400	FB	7.8
2311	0.450	X7	8.9
2312	0.423	X7	9.5
2213	0.460	X7, 75	9.9
2214	0.425	X7	10.4
2115	0.461	75	10.8

Size	Spine	Model	Weight Grs/inch
Group T10			
*400•430R	0.400•0.430	A/C/E	7.5
*380•410R	0.380•0.410	X10	8.9
380	0.380	ProTour	8.4
*430•480R	0.430•0.480	A/C/G	8.9
3–39	0.440	A/C/C	8.6
3–49	0.390	A/C/C	8.8
400	0.400	FMJMatch	10.0
410	0.410	Carb1	8.5
400	0.400	LSpd	7.4
450	0.450	Triumph	
400	0.400	FB	7.8
2413	0.365	X7, 75	10.5
2214	0.425	X7	10.4
2314	0.390	X7, 75	10.8
2412	0.400	X7	9.7

Size	Spine	Model	Weight Grs/inch
Group T11			
*370•400R	0.370•0.400	A/C/E	7.9
380R	0.380	X10	8.9
380	0.380	ProTour	8.4
3–49	0.390	A/C/C	8.8
3–60	0.340	A/C/C	9.5
375	0.375	FMJMatch	10.3
400	0.400	LSpd	7.4
400	0.400	FB	7.8
350	0.350	Triumph	
290	0.290	SDRIVE 25	7.8
350	0.350	FBORE	8.4
2413	0.365	X7, 75	10.5
2314	0.390	X7, 75	10.8
2315	0.340	X7, 75	11.8
251	0.348	X7	9.6

Size	Spine	Model	Weight Grs/inch
Group T12			
370R	0.370	A/C/E	7.9
350R	0.350	X10	8.4
340	0.340	ProTour	8.8w
3–60	0.340	A/C/C	9.5
3–71	0.300	A/C/C	9.9
340	0.340	LSpd	8.2
340	0.340	FB	8.3
350	0.350	Triumph	
290	0.290	SDRIVE 25	7.8
350	0.350	X7	8.4
2511	0.348	X7	9.6
2512	0.321	X7	10.3
2612	0.285	X7	10.7

Size	Spine	Model	Weight Grs/inch
Group T1			
*920•1000R	0.920•1.000	A/C/E	5.8
*900•1000R	0.900•1.000	X10	5.8
*880•1000R	0.880•1.000	A/C/G	5.9
2L–04	1.020	A/C/C	6.1
2–04	0.920	A/C/C	6.5
900	0.900	Carb1	5.3
1070	1.070	Apollo	5.9
1000	1.000	Inspire	7.2
1000	1.000	Vector	5.0
1713	1.044	75	7.4
1714	0.963	X7	8.1
1616	1.079	75	8.4

Size	Spine	Model	Weight Grs/inch
Group T2			
*780•850R	0.780•0.850	A/C/E	6.0
*750•830R	0.750•0.830	X10	6.4
770	0.770	ProTour	6.0
*810•880R	0.810•0.880	A/C/G	6.1
2–04	0.920	A/C/C	6.5
810	0.810	Carb1	5.8
950	0.950	Apollo	6.2
900	0.900	Inspire	7.7
1714	0.963	X7	8.1
1716	0.880	75	9.0

Size	Spine	Model	Weight Grs/inch
Group T7			
*520•570R	0.520•0.570	A/C/E	6.7
*500•550R	0.500•0.550	X10	7.8
520	0.520	ProTour	7.3
*540•610R	0.540•0.610	A/C/G	7.7
3–18	0.560	A/C/C	7.8
3–28	0.530	A/C/C	8.1
530	0.530	FMJMatch	8.4
550	0.550	Carb1	6.9
560	0.560	Apollo	8.4
500	0.500	LSpd	6.5
500	0.500	Triumph	
500	0.500	FB	7.1
2212	0.505	X7	8.8
2114	0.510	X7, 75	9.9
2016	0.531	75	10.6

Size	Spine	Model	Weight Grs/inch
Group T8			
*470•520R	0.470•0.520	A/C/E	6.8
*450•500R	0.450•0.500	X10	8.1
470	0.470	ProTour	7.6
*480•540R	0.480•0.540	A/C/G	8.4
3–28	0.500	A/C/C	8.1
3–39	0.440	A/C/C	8.6
490	0.490	FMJMatch	8.9
500	0.500	Carb1	7.4
500	0.500	LSpd	6.5
500	0.500	Triumph	
500	0.500	FB	7.1
2212	0.505	X7	8.8
2213	0.460	X7, 75	9.9
2114	0.510	X7, 75	9.9

Size	Spine	Model	Weight Grs/inch
Group T13			
325R	0.325	X10	8.8
3–71	0.300	A/C/C	9.9
290	0.290	SDRIVE 25	7.8
270	0.270	FBORE	9.0
2512	0.321	X7	10.3
2612	0.285	X7	10.7

Size	Spine	Model	Weight Grs/inch
Group T14			
270	0.270	FBORE	9.0
2613	0.265	X7	11.5
2712	0.260	X7	11.3

KEY

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
FMJMatch	FMJ Match
Carb1	Carbon One
Inspire	Inspire
LSpd	LightSpeed & LightSpeed 3D
Triumph	Triumph
SDRIVE 25	Super Drive
FB	FatBoy
FBORE	Full Bore
X7	X7 Eclipse (7178-T9 alloy)
75	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.
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.**

Every effort has been made to ensure the accuracy of this catalog. Graphics and images are for illustration purposes only. Due to our effort to improve our products, Easton reserves the right to make changes without notice. 2017 products available for sale on or after December 1, 2016.