

Arrow Selection

Using the Target Arrow Selection Chart

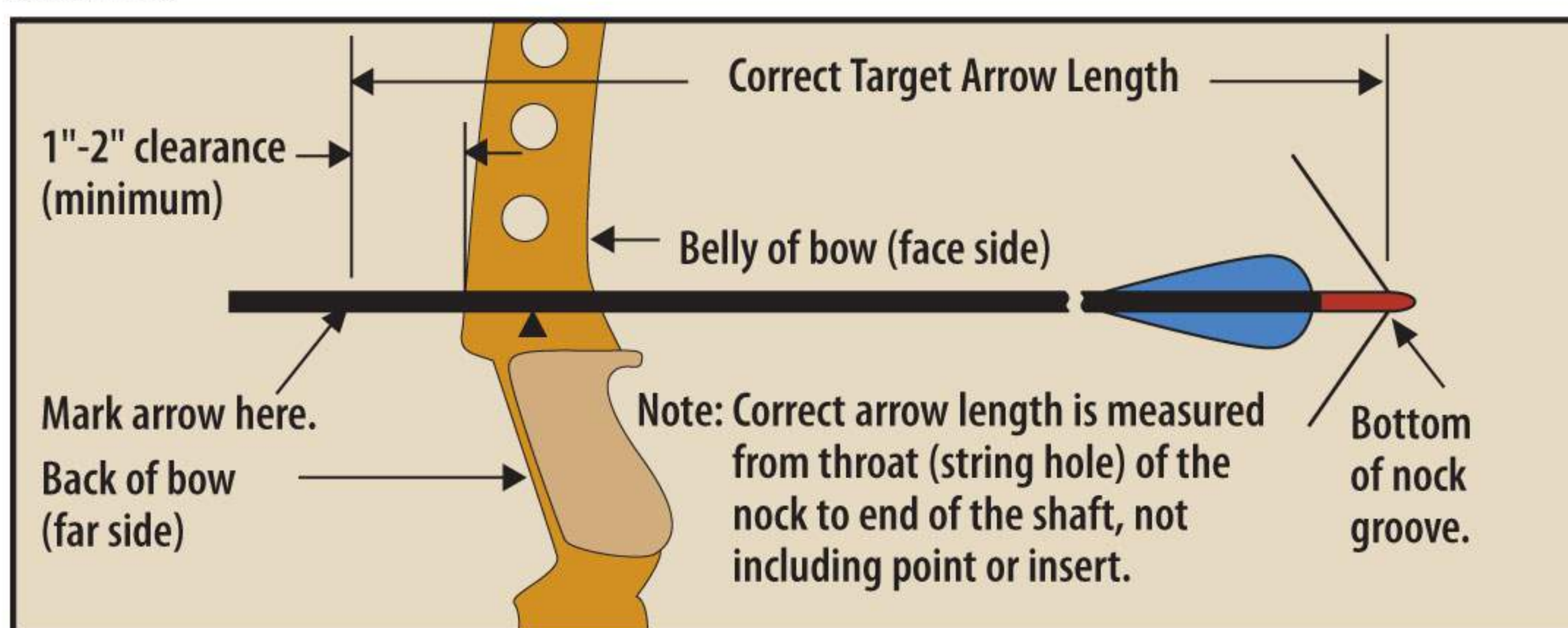
- Once you have determined your Correct Target Arrow Length and Calculated or Actual Peak Bow Weight, you are ready to select your correct shaft size:
 - Compound bows. In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type cam on your bow, then the column with the point weight you use. Then 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 and then the point weight you use. 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 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

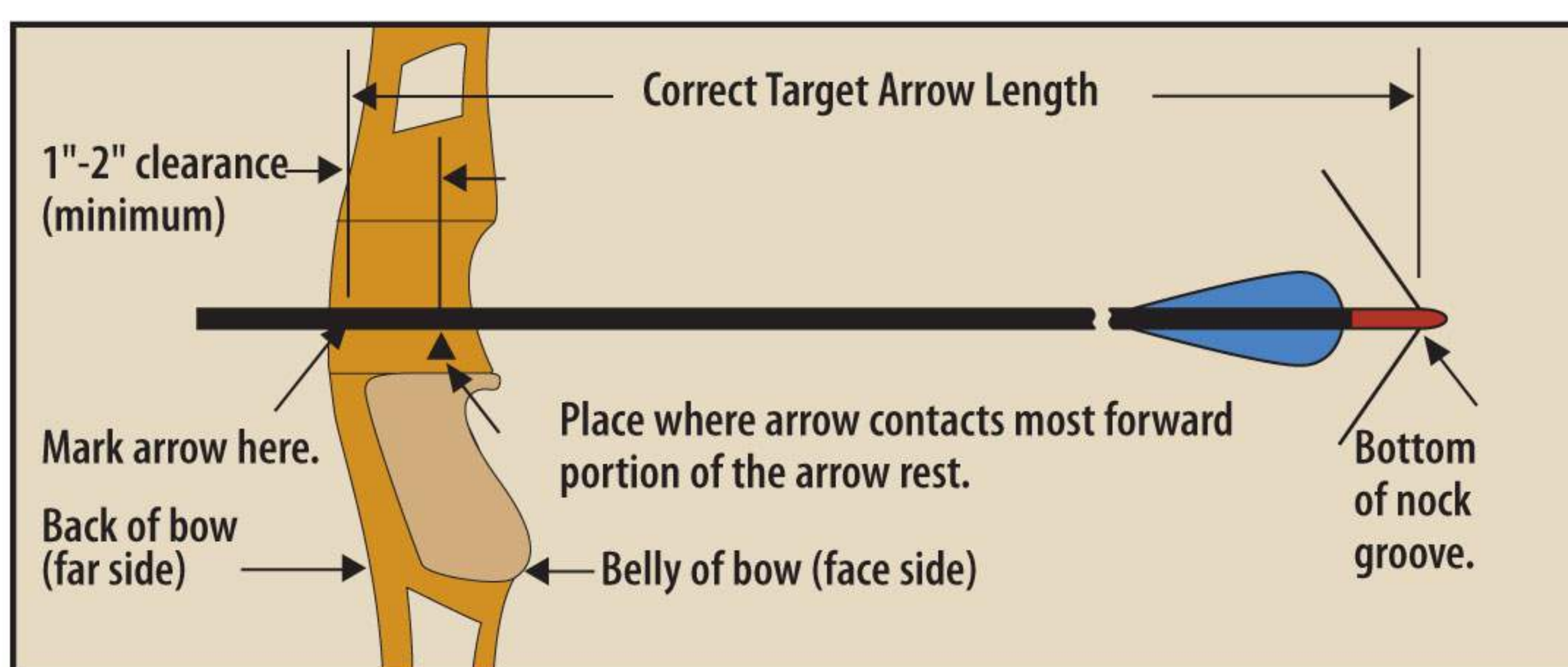
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at www.eastonarchery.com.

1. Determining Correct Target Arrow Length

Bows with cut-out window. 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.



Bows without cut-out window (which will not allow a fixed blade broadhead to be drawn past the back of the bow). The Correct Target Arrow Length for bows without a cut-out sight window is determined by drawing back an extra-long arrow to full draw and having someone mark the arrow one-to-two inches in front of the handle.



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.

Correct Arrow Length for Youth Target

20½ (52.1 cm)	21½ (54.6 cm)	22½ (57.2 cm)	23½ (59.7 cm)	24½ (62.2 cm)	25½ (64.8 cm)	26½ (67.3 cm)	RECURVE BOW Bow Weight - lbs. Finger Release
21" (54.6 cm)	22" (57.2 cm)	23" (59.7 cm)	24" (62.2 cm)	25" (64.8 cm)	26" (67.3 cm)	27" (69.9 cm)	
		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"	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	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
3L-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	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 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, Jazz and Neos (7075 alloy)				
1000	1.000	A/C/E	5.7	165	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.				
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					

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

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 should be measured at your draw length.

Go to www.eastonarchery.com for Spine Weight Chart

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

Correct Arrow Length for Target • Field • 3D

Soft Cam	Medium Cam	Single or Hard Cam	22½ (57.2 cm)	23½ (59.7 cm)	24½ (62.2 cm)	25½ (64.8 cm)	26½ (67.3 cm)	27½ (69.9 cm)	28½ (72.4 cm)	29½ (75.0 cm)	30½ (77.5 cm)	31½ (80.0 cm)	RECURVE BOW Bow Weight - lbs. Finger Release			
 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	23" (59.7 cm)	24" (62.2 cm)	25" (64.8 cm)	26" (67.3 cm)	27" (69.9 cm)	28" (72.4 cm)	29" (75.0 cm)	30" (77.5 cm)	31" (80.0 cm)	32" (82.5 cm)				
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.

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	770	0.770	ProTour	6.0	174	720	0.720	ProTour	6.2	181	670	0.670	ProTour	6.5	188
2L-04	1.020	A/C/C	6.1	177	*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	0.920	A/C/C	6.5	189	2-04	0.920	A/C/C	6.5	189	3X-04	0.830	A/C/C	6.7	194	3L-04	0.750	A/C/C	7.0	203
900	0.900	RdIn	5.8	168	780	0.780	RdIn	6.3	183	3L-04	0.750	A/C/C	7.0	203	3-04	0.680	A/C/C	7.2	209
1713	1.044	75	7.4	215	1714	0.963	X7	8.1	235	780	0.780	RdIn	6.3	183	690	0.690	RdIn	6.3	183
1714	0.963	X7	8.1	235	1716	0.880	75	9.0	261	1813	0.874	75	7.9	229	1913	0.733	75	8.3	241
1616	1.079	75	8.4	244						1814	0.799	X7	8.6	249	1914	0.658	X7	9.3	270
										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
620	0.620	ProTour	6.4	187	570	0.570	ProTour	6.9	201	520	0.520	ProTour	7.3	210	470	0.470	ProTour	7.6	220
*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	3L-18	0.620	A/C/C	7.5	218	3-18	0.560	A/C/C	7.8	226	3-28	0.500	A/C/C	8.1	235
690	0.690	RdIn	6.3	183	600	0.600	RdIn	6.9	200	3-28	0.500	A/C/C	8.1	235	3-39	0.440	A/C/C	8.6	249
2013	0.610	75	9.0	261	500	0.500	LSpd	6.5	189	520	0.520	RdIn	7.1	206	460	0.460	RdIn	7.3	212
1914	0.658	X7	9.3	270	500	0.500	FB	7.1	206	500	0.500	LSpd	6.5	189	500	0.500	LSpd	6.5	189
1916	0.623	75	10.0	290	2013	0.610	75	9.0	261	500	0.500	FB	7.1	206	500	0.500	FB	7.1	206
					2014	0.579	X7	9.6	278	2212	0.505	X7	8.8	255	2212	0.505	X7	8.8	255
					1916	0.623	75	10.1	293	2114	0.510	X7, 75	9.9	287	2213	0.460	X7, 75	9.9	287
										2016	0.531	75	10.6	307	2114	0.510	X7, 75	9.9	287
															2115	0.461	75	10.8	313
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	3-60	0.340	A/C/C	9.5	276
420	0.420	ProTour	8.0	233	380	0.380	ProTour	8.3	240	380	0.380	ProTour	8.3	240	3-71	0.300	A/C/C	9.9	287
*430•480R	0.430•0.480	Nav	8.4	244	*430•480R	0.430•0.480	Nav	8.4	244	3-49	0.390	A/C/C	8.8	255	360	0.360	RdIn	8.3	241
3-39	0.440	A/C/C	8.6	249	3-39	0.440	A/C/C	8.6	249	3-60	0.340	A/C/C	9.5	276	340	0.340	LSpd	8.2	238
460	0.460	RdIn	7.3	212	3-49	0.390	A/C/C	8.8	255	360	0.360	RdIn	8.3	241	340	0.340	FB	8.3	241
400	0.400	LSpd	7.4	215	410	0.410	RdIn	7.6	220	400	0.400	LSpd	7.4	215	2511	0.348	X7	9.6	277
400	0.400	FB	7.8	226	400	0.400	LSpd	7.4	215	400	0.400	FB	7.8	226	2512	0.321	X7	10.3	299
2311	0.450	X7	8.9	258	400	0.400	FB	7.8	226	2413	0.365	X7, 75	10.5	305	2612	0.285	X7	10.7	310
2312	0.423	X7	9.5	276	2412	0.400	X7	9.7	281	2314	0.390	X7, 75	10.8	313	2613	0.265	X7	11.5	334
2213	0.460	X7, 75	9.9	287	2413	0.365	X7, 75	10.5	305	2315	0.340	X7, 75	11.8	342	2712	0.260	X7	11.3	328
2214	0.425	X7	10.4	302	2214	0.425	X7	10.4	302	2511	0.348	X7	9.6	278					
2115	0.461	75	10.8	313	2314	0.390	X7, 75	10.8	313										
Group T13					Group T14					A/C/E Aluminum/Carbon/Extreme					R The size recommendations for recurve bows are indicated with a letter "R" next to the size.				
3-71	0.300	A/C/C	9.9	287	2613	0.265	X7	11.5	334	X10	X10 Shafts (Aluminum/Carbon)	Size Indicates suggested arrow size							
2512	0.321	X7	10.3	299	2712	0.260	X7	11.3	328	ProTour	X10 ProTour Shafts (Aluminum/Carbon)	Spine Spine of arrow size shown (static)							
2612	0.285	X7	10.7	311						NAV	Navigator (Aluminum/Carbon)	Model Designates arrow model							
2613	0.265	X7	11.5	334						A/C/C	Aluminum/Carbon/Composite	Weight Listed in grains per inch							
2712	0.260	X7	11.3	328						RdIn	Redline	* When two sizes are listed together, the weight listed is for the first shaft.							
										LSpd	LightSpeed & LightSpeed 3D								
										FB	FatBoy								
										X7	X7 Eclipse and Cobalt (7178-T9 alloy)								
										75	XX75: Platinum Plus, Blues, Jazz and Neos (7075 alloy)								

Visit an Easton dealer equipped with the Bow Force Mapping System for expert arrow selection, and bow analysis.

See page 26 for more information