

ARROW SIZE SELECTION

Using the Target Arrow Selection Chart

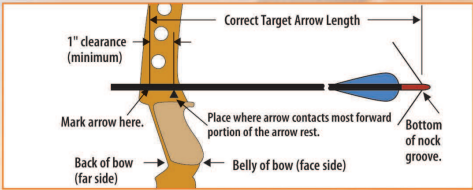
- 1. Once you have determined your Correct Target Arrow Length and Calculated or Actual Peak Bow Weight, you are ready to select your correct shaft size:
- 1.A Compound bows. In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type cam on your bow. Locate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

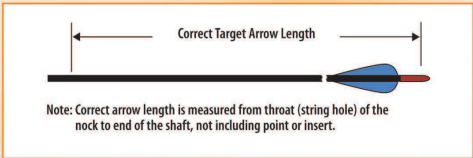
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at www.eastonarchery.com.

1. Determining Correct Target Arrow Length

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 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:

- 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.
- Finger release – Add 5 lbs.

Correct Arrow Length for Youth Target

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)	RECURVE BOW Bow Weight - lbs. Finger Release
21"	22"	23"	24"	25"	26"	27"	
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		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	1500	1.500	A/C/G	4.7	136
1416	1.684	75	7.2	209	2-00	1.500	A/C/C	4.7	136
					1416	1.684	75	7.2	209
Group Y5					Group Y6				
1250	1.250	A/C/E	5.1	148	1150	1.150	Carb1	5.0	145
1300	1.300	A/C/G	5.1	148	1250	1.250	A/C/E	5.1	148
3L-00	1.300	A/C/C	5.1	148	1150	1.150	A/C/G	5.5	160
1514	1.379	X7	6.8	197	3-00	1.150	A/C/C	5.5	160
1516	1.403	75	7.3	212	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	A/C/E	Aluminum/Carbon/Extreme			
1100	1.100	A/C/E	5.1	148	X10	X10 Shafts (Aluminum/Carbon)			
1000	1.000	X10	5.3	154	A/C/G	A/C/G (Aluminum/Carbon)			
1000	1.000	A/C/G	5.7	165	A/C/C	Aluminum/Carbon/Composite			
3-00	1.150	A/C/C	5.5	160	Carb1	Carbon One N-FUSED Carbon			
1000	1.000	Carb1	5.0	145	X7	X7 Eclipse (7178 alloy)			
1614	1.153	X7	7.7	223	75	X7S: Platinum Plus, Blues, Jazz and Neos (7075 alloy)			
1616	1.079	75	8.4	244		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.			

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
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 must be measured at your draw length.

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)		32½" (82.5 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" (61.2 cm)		25" (63.5 cm)		26" (66.0 cm)		27" (68.6 cm)		28" (71.1 cm)		29" (73.7 cm)		30" (76.2 cm)		31" (78.7 cm)		32" (81.3 cm)		33" (83.8 cm)		34" (86.3 cm)											
29-35 lbs. (13.2-15.9 kg)		29-35 lbs. (13.2-15.9 kg)		29-35 lbs. (13.2-15.9 kg)		00		01		02		03		T1		T2		T3		T4		T5		T6		T7		T8		T9									
35-40 lbs. (15.9-18.1 kg)		35-40 lbs. (15.9-18.1 kg)		35-40 lbs. (15.9-18.1 kg)		01		02		03		T1		T2		T3		T4		T5		T6		T7		T8		T9		T10									
40-45 lbs. (18.1-20.4 kg)		40-45 lbs. (18.1-20.4 kg)		40-45 lbs. (18.1-20.4 kg)		02		03		T8		T2		T3		T4		T5		T6		T7		T8		T9		T10		T11									
45-50 lbs. (20.4-22.7 kg)		45-50 lbs. (20.4-22.7 kg)		45-50 lbs. (20.4-22.7 kg)		03		T1		T2		T3		T4		T5		T6		T7		T8		T9		T10		T11		T12									
50-55 lbs. (22.7-24.9 kg)		50-55 lbs. (22.7-24.9 kg)		50-55 lbs. (22.7-24.9 kg)		T1		T2		T3		T4		T5		T6		T7		T8		T9		T10		T11		T12		T13									
55-60 lbs. (24.9-27.2 kg)		55-60 lbs. (24.9-27.2 kg)		55-60 lbs. (24.9-27.2 kg)		T2		T3		T4		T5		T6		T7		T8		T9		T10		T11		T12		T13		T14									
60-65 lbs. (27.2-29.5 kg)		60-65 lbs. (27.2-29.5 kg)		60-65 lbs. (27.2-29.5 kg)		T3		T4		T5		T6		T7		T8		T9		T10		T11		T12		T13		T14		T15									
65-70 lbs. (29.5-31.8 kg)		65-70 lbs. (29.5-31.8 kg)		65-70 lbs. (29.5-31.8 kg)		T4		T5		T6		T7		T8		T9		T10		T11		T12		T13		T14		T15		T16									
70-76 lbs. (31.8-34.5 kg)		70-76 lbs. (31.8-34.5 kg)		70-76 lbs. (31.8-34.5 kg)		T5		T6		T7		T8		T9		T10		T11		T12		T13		T14		T15		T16		T17									
76-82 lbs. (34.5-37.2 kg)		76-82 lbs. (34.5-37.2 kg)		76-82 lbs. (34.5-37.2 kg)		T6		T7		T8		T9		T10		T11		T12		T13		T14		T15		T16		T17		T18									
82-88 lbs. (37.2-39.9 kg)		82-88 lbs. (37.2-39.9 kg)		82-88 lbs. (37.2-39.9 kg)		T7		T8		T9		T10		T11		T12		T13		T14		T15		T16		T17		T18		T19									
■ 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"	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 00										Group 01										Group 02										Group 03									
1214	2.501	75	5.9	171	2-00	1.500	A/C/G	4.7	136	1250	1.250	A/C/E	5.1	148	1100	1.100	A/C/E	5.1	148	1300	1.300	A/C/G	5.1	148	1413	2.036	75	5.9	171	1500	1.500	A/C/G	4.7	136					
1413	2.036	75	5.9	171	1500	1.500	A/C/G	4.7	136	1416	1.684	75	7.1	206	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	1614	1.153	X7	7.7	223					
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	*620-670R	0.620-0.670	A/C/E	5.5	160	*570-620R	0.570-0.620	A/C/E	5.2	152	*520-570R	0.520-0.570	A/C/E	4.9	142					
*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	*600-650R	0.600-0.650	X10	6.5	189	*550-600R	0.550-0.600	X10	6.2	182	*500-550R	0.500-0.550	X10	5.9	171					
*880-1000R	0.880-1.000	A/C/G	5.9	171	*720-800R	0.720-0.800	A/C/G	6.0	174	*670-720R	0.670-0.720	A/C/G	6.2	181	*620-670R	0.620-0.670	A/C/G	5.9	171	*570-620R	0.570-0.620	A/C/G	5.6	182	*520-570R	0.520-0.570	A/C/G	5.3	154	*470-520R	0.470-0.520	A/C/G	5.0	142					
2L-04	1.020	A/C/G	6.1	177	*810-880R	0.810-0.880	A/C/G	6.1	177	*710-810R	0.710-0.810	A/C/G	6.5	189	*660-710R	0.660-0.710	A/C/G	6.9	200	*610-660R	0.610-0.660	A/C/G	6.6	193	*560-610R	0.560-0.610	A/C/G	6.3	185	*510-560R	0.510-0.560	A/C/G	6.0	177					
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	3L-04	0.680	A/C/C	7.2	203	3L-04	0.610	A/C/C	7.4	203	3L-04	0.540	A/C/C	7.6	203					
3-00	0.900	Carb1	5.3	155	810	810	Carb1	5.8	168	1813	0.730	Carb1	6.0	174	1813	0.670	Carb1	6.3	177	1813	0.610	Carb1	6.6	182	1813	0.550	Carb1	6.9	185	1813	0.490	Carb1	7.2	188					
1714	1.044	X7	7.4	215	1714	0.963	X7	8.1	235	1714	0.884	X7	8.8	255	1714	0.804	X7	9.5	275	1714	0.724	X7	10.2	295	1714	0.644	X7	10.9	315	1714	0.564	X7	11.6	335					
1713	0.963	X7	8.1	235	1716	0.880	X7	9.0	261	1716	0.800	X7	9.7	281	1716	0.720	X7	10.4	301	1716	0.640	X7	11.1	321	1716	0.560	X7	11.8	341	1716	0.480	X7	12.5	361					
1616	1.079	75	8.4	244																																			
Group T5										Group T6										Group T7										Group T8									
*620-700R	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	*420-470R	0.420-0.470	A/C/E	6.9	200	*370-420R	0.370-0.420	A/C/E	7.0	203	*320-370R	0.320-0.370	A/C/E	7.1	206					
*600-650R	0.600-0.650	X10	7.0	203	*550-600R	0.550-0.600	X10	7.3	218	*500-550R	0.500-0.550	X10	7.6	226	*450-500R	0.450-0.500	X10	7.8	232	*400-450R	0.400-0.450	X10	8.0	240	*350-400R	0.350-0.400	X10	8.2	248	*300-350R	0.300-0.350	X10	8.4	256					
2-00	0.620	ProTour	7.0	204	570	0.570	ProTour	6.9	201	520	0.520	ProTour	7.3	210	470	0.470	ProTour	7.6	220	420	0.420	ProTour	7.9	229	370	0.370	ProTour	8.2	238	320	0.320	ProTour	8.5	247					
*610-660R	0.610-0.660	A/C/G	7.3	212	*540-610R	0.540-0.610	A/C/G	7.7	223	*490-540R	0.490-0.540	A/C/G	7.7	223	*440-490R	0.440-0.490	A/C/G	7.8	226	*390-440R	0.390-0.440	A/C/G	7.9	229	*340-390R	0.340-0.390	A/C/G	8.0	240	*290-340R	0.290-0.340	A/C/G	8.1	243					
3-04	0.680	A/C/C	7.2	209	3L-18	0.620	A/C/C	7.5	218	3L-18	0.560	A/C/C	7.8	226	3L-18	0.500	A/C/C	8.1	235	3L-18	0.440	A/C/C	8.4	244	3L-18	0.380	A/C/C	8.7	253	3L-18	0.320	A/C/C	9.0	262					
660	0.660	Carb1	6.6	193	600	0.600	Carb1	6.9	201	550	0.550	Carb1	6.9	201	500	0.500	Carb1	7.1	206	450	0.450	Carb1	7.3	212	400	0.400	Carb1	7.5	218	350	0.350	Carb1	7.7	224					
2013	0.610	75	9.0	261	500	0.500	Lspd	6.5	189	500	0.500	Lspd	6.5	189	500	0.500	Lspd	6.5	189	500	0.500	Lspd	6.5	189	500	0.500	Lspd	6.5	189	500	0.500	Lspd	6.5	189					
1914	0.658	X7	9.3	270	2014	0.579	X7	9.6	276	2212	0.505	X7	8.8	255	2212	0.440	X7	9.5	275	2212	0.380	X7	10.2	295	2212	0.320	X7	10.9	315	2212	0.260	X7	11.6	335					
1916	0.623	75	10.0	290	1916	0.623	75	10.1	293	2016	0.510	X7	9.5	275	2016	0.450	X7	10.2	295	2016	0.390	X7	10.9	315	2016	0.330	X7	11.6	335	2016	0.270	X7	12.3	355					
Group T9										Group T10										Group T11										Group T12									
*430-470R	0.430-0.470	A/C/E	7.0	203	*380-430R	0.380-0.430	A/C/E	7.5	218	*330-380R	0.330-0.380	A/C/E	7.9	229	*280-330R	0.280-0.330	A/C/E	8.2	240	*230-280R	0.230-0.280	A/C/E	8.5	248	*180-230R	0.180-0.230	A/C/E	8.8	256	*130-180R	0.130-0.180	A/C/E	9.1	264					
*410-450R	0.410-0.450	X10	8.5	247	*360-410R	0.360-0.410	X10	8.9	258	*310-360R	0.310-0.360	X10	9.3	269	*260-310R	0.260-0.310	X10	9.7	280	*210-260R	0.210-0.260	X10	10.1	291	*160-210R	0.160-0.210	X10	10.5	302	*110-160R	0.110-0.160	X10	10.9	313					
420	0.420	ProTour	8.0	233	390	0.390	ProTour	8.4	244	340	0.340	ProTour	8.8	255	290	0.290	ProTour	9.2	266	240	0.240	ProTour	9.6	277	190	0.190	ProTour	10.0	288	140	0.140	ProTour	10.4	299					
*430-480R	0.430-0.480	A/C/G	8.9	258	*410-460R	0.410-0.460	A/C/G	8.9	258	*390-440R	0.390-0.440	A/C/G	9.3	269	*370-420R	0.370-0.420	A/C/G	9.7	280	*350-400R	0.350-0.400	A/C/G	10.1	291	*330-380R	0.330-0.380	A/C/G	10.5	302	*310-360R	0.310-0.360	A/C/G	10.9	313					
3-39	0.440	A/C/C	8.6	249	3-39	0.390	A/C/C	8.6	249	3-40	0.340	A/C/C	8.8	255	3-40	0.290	A/C/C	9.1	264	3-40	0.240	A/C/C	9.4	273	3-40	0.190	A/C/C	9.7	282	3-40	0.140	A/C/C	10.0	291					
4-00	0.450	A/C/C	8.7	251	3-49	0.390	A/C/C	8.8	255	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4	215					
400	0.400	Lspd	7.4	215	400	0.410	Carb1	8.5	247	400	0.400	Carb1	8.5	247	400	0.400	Carb1	8.5	247	400	0.400	Carb1	8.5	247	400	0.400	Carb1	8.5	247	400	0.400	Carb1	8.5	247					
400	0.400	FB	7.8	226	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4	215	400	0.400	Lspd	7.4																					