Target Shaft Specifications and Sizes and Easton Technology

Alloy/Carbon

		Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance[3]	Guaranteed Straightness[1]	Color/Finish	Sizes[6]
A/C	X10	High-strength carbon fiber bonded to a precision 7075 alloy core tube—barreled shaft	Not Available	X10 Ballistic Tungsten Break-off or X10 Stainless Steel Break-off	X10 Pin	Pin Nock	±0.5 grains	±.0015" max.	Polished Black Carbon	1000, 900, 830, 750, 700, 650, 600, 550, 500, 450, 410, 380
	A/C/E	High-strength carbon fiber bonded to a precision 7075 alloy core tube—barreled shaft	A/C/E Insert	Screw-in, One-piece or A/C/E Stainless Steel Break-off	A/C/E Pin or Insert Nock	Pin Nock or "G" Nock	±0.5 grains	±.0015" max.	Polished Black Carbon	(1250, 1100)[4], 1000, 920, 850, 780, 720 ,670, 620, 570, 520, 470, 430, 400, 370
	A/C navigator	High-strength carbon fiber bonded to a precision 7075 alloy core tube	A/C/E Insert	Screw-in, One-piece, A/C/E or Navigator Stainless Steel Break-off	A/C Navigator Pin or Insert Nock	Pin Nock or "G" Nock	±1 grains	±.002" max.	Polished Black Carbon	1000, 880, 810, 710, 660, 610, 540, 480, 430
	A/C/C	High-strength carbon fiber bonded to a precision 7075 alloy core tube	RPS Insert or Halfout Insert	One-piece Parabolic, NIBB, or RPS Point	UNI System	"G" Nock	±0.5 grains	±.002" max.	Black, Micro-smooth Finish	2-00, 3L-00, 3-00, 2L-04, 2-04, 3X-04, 3L-04, 3-04, 3L-18, 3-18, 3-28, 3-39, 3-49, 3-60, 3-71

Carbon

		Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance[3]	Guaranteed Straightness[1]	Color/Finish	Sizes[6]
	fatBoy™	RC Carbon multi-layer wrapped fibers	RPS Insert	One-piece Bullet or RPS Point	Super UNI System	3D Super Nock or Super Nock	±2.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340
	Lightspeed®	RC Carbon multi-layer wrapped fibers	CB Insert	CB or RPS Point	Internal-fit	Super Nock or 3D Super Nock (optional UNI & "G" Nock)	±2.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340
	CARBON EXCEL™	RC Carbon multi-layer wrapped fibers	CB Insert	CB or RPS Point	Internal-fit	Super Nock or 3D Super Nock (optional UNI & "G" Nock)	±5.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340
C2	REDLINE®	High-strength C2 carbon-composite fibers	RPS Insert	One-piece Parabolic, NIBB, or RPS Point	UNI System	"G" Nock	±1.5 grains	±.004" max.	Black, Micro-smooth Finish	1000, 900, 780, 690, 600, 520, 460, 410, 360

Alloy

		Aerospace Alloy	Strength[2] (psi)	Inserts	Points	Nock System	Nock Type	Weight Tolerance	Guaranteed Straightness[1]	Color/Hard-anodized Finish	Sizes[6]
X7®	X7 COBALT™	7178-T9	105,000	Not Available	NIBB or One-piece Bullet	Internal-fit Super Swage™	3D Super Nock or Super Nock	±3⁄4%	±.001" max.	Polished Cobalt Blue	1914, 2014, 2112, 2114, 2212, 2213, 2312, 2314, 2315, 2412, 2413, 2512,2613
	X7® ECLIPSE®	7178-T9	105,000	Not Available	NIBB or One-piece Bullet	UNI or Super UNI System	"G" Nock, Super Nock or 3D Super Nock	±3⁄4%	±.001" max.	Polished Black	*1512, 1514, 1612, 1614, 1712, 1714, 1814, 1912, 1914,* 2012, 2014, 2112, 2114, 2212, 2213, 2214, 2312, 2314, 2315, 2412, 2413, 2512 ,2613
XX75®	PLATINUM™ PLUS	7075-T9	96,000	RPS Insert	NIBB, One-piece Bullet, or RPS Point	UNI or Super UNI System	"G" Nock, Super Nock or 3D Super Nock	±1%	±.002" max.	Platinum Grey	*1416, 1516, 1616, 1713, 1716, 1813, 1816, 1913, 1916,* 2013, 2016, 2114, 2115, 2213, 2314, 2315, 2413

Youth Target & Hunting

		Materials/Construction	Strength[2] (psi)	Inserts	Points	Nock System	Nock Type	Weight Tolerance	Guaranteed Straightness[1]	Color/Hard-anodized Finish	Sizes[6]
ST™	AXIS™ JUNIOR	High-strength carbon-composite fibers	N/A	HIT Insert	RPS Point	Internal-fit	"X" Nock	N/A	N/A	Black, Micro-smooth Finish	28"
XX75®	Jazz™	7075	85,000	RPS Insert	NIBB, One-piece Bullet, or RPS Point	Full-Diameter Taper Swage	Conventional or "G" Nock[5]	±2%	±.006" max.	Purple/Silver	1214[5], 1413, 1416, 1516, 1616, 1716, 1813, 1816, 1913, 1916, 2013
	Genesis®	7075	85,000	Not Available	One-piece Point	Full-Diameter Taper Swage	Conventional	±2%	±.006" max.	Bright Blue	1820
5086 Alloy	Stalker® Junior	5086	58,000	Not Available	One-piece Point	Full-Diameter Taper Swage	Conventional	N/A	N/A	Black	1820

1 Easton straightness measurements comply with the ATA/ASTM industry standard. However, our shafts also meet a far more stringent straightness measurement of full length minus 2 inches (i.e. 34 inch shafts are measured at 32 inches).
2 Tensile strength value may vary ±3%.
3 Grains per shafts in a dozen bundle.
4 Special order only.
5 1214 size Jazz uses "G" Nock.
6 New sizes and models are shown in red.
Eclipse and Platinum Plus sizes in italics use UNI System and "G" Nock.
®/™ Registered Trademark/Trademark of Easton.

Easton Advanced Technologies:

Carbon Core alloy jacket arrow shaft construction	Slim Technology small diameter arrow shafts	Alloy/Carbon arrow shaft construction	C2 Carbon arrow shaft construction	RC Carbon arrow shaft construction	7178-T9 Alloy arrow shaft construction	7178-T9 Alloy arrow shaft construction	7075-T9 Alloy arrow shaft construction	Tapered end alloy/ carbon shaft design	Hidden Insert Technology equipped	High Precision Insert Technology equipped	UNI Bushing Nock System equipped	High detail carbon arrow graphics	IPS guards PhotoFusion graphics against wear	Alloy surface provides easy target removal	High detail alloy camo technology	Hard-anodized alloy graphics	Perfect Fit sizing for a wide range of bows setups

Target Shaft Selection Chart

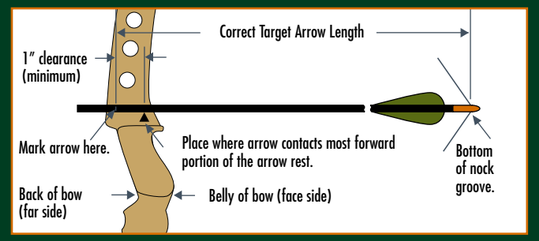
For expert bow weight, arrow selection, and bow analysis visit an Easton dealer equipped with the Bow Force Mapping System. See page 39 for more information.

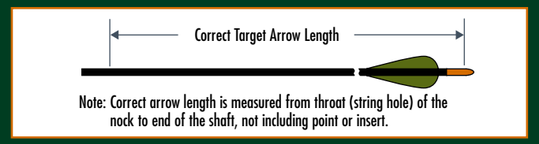
SELECTING THE CORRECT TARGET SHAFT

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.

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.





Note: Correct arrow length is measured from throat (string hole) of the nock to end of the shaft, not including point or insert.

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 61/2".

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 61/2" – 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.

	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 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
20½ (52.1 cm) **21"** 21½ (54.6 cm)	21½ (54.6 cm) **22"** 22½ (57.2 cm)	22½ (57.2 cm) **23"** 23½ (59.7 cm)	23½ (59.7 cm) **24"** 24½ (62.2 cm)	24½ (62.2 cm) **25"** 25½ (64.8 cm)	25½ (64.8 cm) **26"** 26½ (67.3 cm)	26½ (67.3 cm) **27"** 27½ (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"
Group Y1				
1214	2.501	75	5.9	171
Group Y2				
1413	2.036	75	5.9	171
Group Y3				
1413	2.036	75	5.9	171
1416	1.684	75	7.2	209
Group Y4				
2-00	1.500	A/C/C	4.7	136
1512	1.553	X7	5.8	168
1416	1.684	75	7.2	209
Group Y5				
1250	1.250	A/C/E	5.1	148
3L-00	1.300	A/C/C	5.1	148
1514	1.379	X7	6.8	197
1612	1.298	X7	6.3	183
1516	1.403	75	7.3	212
Group Y6				
1250	1.250	A/C/E	5.1	148
3-00	1.150	A/C/C	5.5	160
1612	1.298	X7	6.3	183
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
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
1712	1.099	X7	6.7	194
1614	1.153	X7	7.7	223
1616	1.079	75	8.4	244

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 and Jazz (7075 alloy)

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.

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 ATA up to 210 FPS IBO up to 260 FPS	**Medium Cam** ATA 211-230 FPS IBO 261-290 FPS	**Single or Hard Cam** ATA 231 FPS up IBO 291 FPS up	22½ (57.2 cm) **23"** 23½ (59.7 cm)	23½ (59.7 cm) **24"** 24½ (62.2 cm)	24½ (62.2 cm) **25"** 25½ (64.8 cm)	25½ (64.8 cm) **26"** 26½ (67.3 cm)	26½ (67.3 cm) **27"** 27½ (69.9 cm)	27½ (69.9 cm) **28"** 28½ (72.4 cm)	28½ (72.4 cm) **29"** 29½ (75.0 cm)	29½ (75.0 cm) **30"** 30½ (77.5 cm)	30½ (77.5 cm) **31"** 31½ (80.0 cm)	31½ (80.0 cm) **32"** 32½ (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 or A/C/E shafts suitable in shaded areas above.

Size	Spine	Model	Weight Grs/Inch	Wt @29"
Group T1				
*920•1000R	0.920•1.000	A/C/E	5.8	168
*900•1000R	0.900•1.000	X10	5.8	168
*880•1000R	0.880•1.000	Nav	5.5	160
2L-04	1.020	A/C/C	6.1	177
2-04	0.920	A/C/C	6.5	189
900	0.900	Rdln	5.8	168
1712	1.099	X7	6.7	194
1713	1.044	75	7.4	215
1714	0.963	X7	8.1	235
1616	1.079	75	8.4	244
Group T2				
*780•850R	0.780•0.850	A/C/E	6.0	174
*750•830R	0.750•0.830	X10	6.4	186
*810•880R	0.810•0.880	Nav	5.8	168
2-04	0.920	A/C/C	6.5	189
780	0.780	Rdln	6.3	183
1714	0.963	X7	8.1	235
1716	0.880	75	9.0	261
Group T3				
*720•780R	0.720•0.780	A/C/E	6.4	186
*700•750R	0.700•0.750	X10	6.7	194
*710•810R	0.710•0.810	Nav	6.3	183
3X-04	0.830	A/C/C	6.7	194
3L-04	0.750	A/C/C	7.0	203
780	0.780	Rdln	6.3	183
1912	0.778	X7	7.6	220
1813	0.874	75	7.9	229
1814	0.799	X7	8.6	249
1816	0.756	75	9.3	270
Group T4				
*670•720R	0.670•0.720	A/C/E	5.9	171
*650•700R	0.650•0.700	X10	6.8	197
*660•710R	0.660•0.710	Nav	6.6	191
3L-04	0.750	A/C/C	7.0	203
3-04	0.680	A/C/C	7.2	209
690	0.690	Rdln	6.3	183
1912	0.778	X7	7.6	220
2012	0.680	X7	8.0	232
1913	0.733	75	8.3	241
1914	0.658	X7	9.3	270
Group T5				
*620•670R	0.620•0.670	A/C/E	6.1	177
*600•650R	0.600•0.650	X10	7.0	203
*610•660R	0.610•0.660	Nav	6.9	200
3-04	0.680	A/C/C	7.2	209
690	0.690	Rdln	6.3	183
2012	0.680	X7	8.0	232
2013	0.610	75	9.0	261
1914	0.658	X7	9.3	270
1916	0.623	75	10.0	290
Group T6				
*570•620R	0.570•0.620	A/C/E	6.3	183
*550•600R	0.550•0.600	X10	7.5	218
*540•610R	0.540•0.610	Nav	7.4	215
500	0.500	AC Slim	8.5	247
3L-18	0.620	A/C/C	7.5	218
600	0.600	Rdln	6.9	200
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2112	0.590	X7	8.4	244
2013	0.610	75	9.0	261
2014	0.579	X7	9.6	278
1916	0.623	75	10.1	293
Group T7				
*520•570R	0.520•0.570	A/C/E	6.7	194
*500•550R	0.500•0.550	X10	7.8	226
*540•610R	0.540•0.610	Nav	7.4	215
500	0.500	AC Slim	8.5	247
3-18	0.560	A/C/C	7.8	226
3-28	0.500	A/C/C	8.1	235
520	0.520	Rdln	7.1	206
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2212	0.505	X7	8.8	255
2114	0.510	X7, 75	9.9	287
2016	0.531	75	10.6	307
Group T8				
*470•520R	0.470•0.520	A/C/E	6.8	197
*450•500R	0.450•0.500	X10	8.1	235
*480•540R	0.480•0.540	Nav	8.0	232
500	0.500	AC Slim	8.5	247
3-28	0.500	A/C/C	8.1	235
3-39	0.440	A/C/C	8.6	249
460	0.460	Rdln	7.3	212
500	0.500	LSpd	6.5	189
500	0.500	FB	7.1	206
2212	0.505	X7	8.8	255
2213	0.460	X7, 75	9.9	287
2114	0.510	X7, 75	9.9	287
2115	0.461	75	10.8	313
Group T9				
*430•470R	0.430•0.470	A/C/E	7.0	203
*410•450R	0.410•0.450	X10	8.5	247
*430•480R	0.430•0.480	Nav	8.4	244
400	0.400	AC Slim	9.7	281
3-39	0.440	A/C/C	8.6	249
460	0.460	Rdln	7.3	212
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2312	0.423	X7	9.5	276
2213	0.460	X7, 75	9.9	287
2214	0.425	X7	10.4	302
2115	0.461	75	10.8	313
Group T10				
*400•430R	0.400•0.430	A/C/E	7.5	218
*380•410R	0.380•0.410	X10	8.9	258
*430•480R	0.430•0.480	Nav	8.4	244
400	0.400	AC Slim	9.7	281
3-39	0.440	A/C/C	8.6	249
3-49	0.390	A/C/C	8.8	255
410	0.410	Rdln	7.6	220
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2412	0.400	X7	9.7	281
2413	0.365	X7, 75	10.5	305
2214	0.425	X7	10.4	302
2314	0.390	X7, 75	10.8	313
Group T11				
*370•400R	0.370•0.400	A/C/E	7.9	229
380R	0.380	X10	8.9	258
400	0.400	AC Slim	9.7	281
3-49	0.390	A/C/C	8.8	255
3-60	0.340	A/C/C	9.5	276
360	0.360	Rdln	8.3	241
400	0.400	LSpd	7.4	215
400	0.400	FB	7.8	226
2413	0.365	X7, 75	10.5	305
2314	0.390	X7, 75	10.8	313
2315	0.340	X7, 75	11.8	342
Group T12				
370R	0.370	A/C/E	7.9	229
340	0.340	AC Slim	10.7	310
3-60	0.340	A/C/C	9.5	276
3-71	0.300	A/C/C	9.9	287
360	0.360	Rdln	8.3	241
340	0.340	LSpd	8.2	238
340	0.340	FB	8.3	241
2512	0.321	X7	10.3	299
2613	0.265	X7	11.5	334
Group T13				
300	0.300	AC Slim	11.5	334
3-71	0.300	A/C/C	9.9	287
2512	0.321	X7	10.3	299
2613	0.265	X7	11.5	334
Group T14				
2613	0.265	X7	11.5	334

A/C/E Aluminum/Carbon/Extreme
X10 X10 Shafts (Aluminum/Carbon)
Nav Navigator (Aluminum/Carbon)
AC Slim Aluminum/Carbon Super Slim
A/C/C Aluminum/Carbon/Composite
Rdln Redline
LSpd LightSpeed
FB FatBoy
X7 X7 Eclipse and Cobalt (7178-T9 alloy)
75 XX75: Platinum Plus and Jazz (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.

Hunting Shaft Specifications and Sizes

Carbon Core		Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance[3]	Guaranteed Straightness[1]	Color/Finish	Sizes[4]
	AXIS FULL METAL JACKET	Precision 7075 alloy jacket bonded to a carbon core	HIT Insert	RPS Point	Internal-fit	"X" Nock	±2.0 grains	±.003" max.	Black, Diamond Pattern	500, 400, 340, 300

Alloy/Carbon		Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance[3]	Guaranteed Straightness[1]	Color/Finish	Sizes
A/C	Super Slim™	Slim Design High-strength carbon fiber bonded to a precision 7075 alloy core tube	HIT Insert	RPS Point	Internal-fit	"X" Nock	±0.5 grains	±.002" max.	Black, Micro-smooth Finish	500, 400, 340, 300
	A/C/C®	High-strength carbon fiber bonded to a precision 7075 alloy core tube	RPS Insert	One-piece Parabolic, NIBB, or RPS Point	UNI System	"G" Nock	±0.5 grains	±.002" max.	Black, Micro-smooth Finish	3L-18, 3-18, 3-28, 3-39, 3-49, 3-60, 3-71 See page 29 for target sizes.

Carbon		Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance[3]	Guaranteed Straightness[1]	Color/Finish	Sizes
ST™	MOSSY OAK Obsession AXIS	High-strength ST carbon-composite fibers	HIT Insert	RPS Point	Internal-fit	"X" Nock	±2.0 grains	±.005" max.	Mossy Oak Obsession, PhotoFusion	500, 400, 340, 300
	AXIS	High-strength ST carbon-composite fibers	HIT Insert	RPS Point	Internal-fit	"X" Nock	±2.0 grains	±.005" max.	Black, Micro-smooth Finish	500, 400, 340, 300
	ST Epic REALTREE	High-strength ST carbon-composite fibers	HP Insert	RPS Point	Internal-fit	"H" Nock	±2.0 grains	±.005" max.	Realtree Hardwoods HD Green, PhotoFusion	500, 400, 340, 300
	ST Epic	High-strength ST carbon-composite fibers	HP Insert	HP or RPS Point	Internal-fit	"H" Nock	±2.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340, 300
™	Light Speed	RC Carbon multi-layer wrapped fibers	CB Insert	CB or RPS Point	Internal-fit	Super Nock or 3D Super Nock (optional UNI & "G" Nock)	±2.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340
	CARBON EXCEL™	RC Carbon multi-layer wrapped fibers	CB Insert	CB or RPS Point	Internal-fit	Super Nock or 3D Super Nock (optional UNI & "G" Nock)	±5.0 grains	±.005" max.	Black, Smooth Matte Finish	500, 400, 340

Alloy		Alloy	Strength[2] (psi)	Inserts	Points	Nock System	Nock Type	Weight Tolerance	Guaranteed Straightness[1]	Color/Hard-Anodized Finish	Sizes
XX78®	SUPER SLAM!®	7178-T9	100,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Super UNI System	Super Nock or 3D Super Nock	±1%	±.0015" max.	3-Tone Super Slam PermaGraphic Camo	2114, 2117, 2212, 2213, 2215, 2216, 2219, 2312, 2314, 2315, 2317, 2413, 2512, 2514, 2613
XX75®	NEW X75™	7075-T9	100,000	HIT Insert	RPS Point	Super UNI System	Super Nock or 3D Super Nock	±1%	±.002" max.	Realtree Hardwoods HD Green PermaGraphic Camo	2117, 2213, 2314, 2315, 2413
	REALTREE hardwoods green HD	7075-T9	95,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Super UNI System	Super Nock or 3D Super Nock	±1%	±.002" max.	Realtree Hardwoods HD Green PermaGraphic Camo	2013, 2114, 2117, 2213, 2216, 2314, 2315, 2413, 2514
	BREAK-UP™ by MOSSY OAK®	7075-T9	95,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Super UNI System	Super Nock or 3D Super Nock	±1%	±.002" max.	Mossy Oak PermaGraphic Camo	2114, 2117, 2213, 2216, 2314, 2315, 2413, 2514
	CAMO HUNTER®	7075-T9	96,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Super UNI System or "X" UNI System	Super Nock, 3D Super Nock or "X" Nock	±1%	±.002" max.	4-Tone Black, Brown, Dark Green & Light Green Dye Camo	1816, 1913, 1916, 2013, 2016, 2018, 2113, 2114, 2115, 2117, 2213, 2215, 2216, 2219, 2314, 2315, 2317, 2413, 2419, 2514
	EASTON Legacy™	7075-T9	95,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Full-diameter Taper Swage	Conventional	±1%	±.002" max.	Cedar-Grain, PermaGraphic	1916, 2016, 2018, 2020, 2117, 2216, 2219, 2315
	GAMEGETTER® II	7075-T9	96,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Full-diameter Taper Swage	Conventional	±1¼%	±.003" max.	3-Tone Black, Tan & Brown Camo	1716, 1816, 1916, 2016, 2018, 2115, 2117, 2215, 2216, 2219, 2315
5086 Alloy	Stalker	5086	58,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Full-diameter Taper Swage	Conventional	±5%	±.006" max.	Stalker Black	1916, 2117, 2216, 2219
	Fall Stalker	5086	58,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Full-diameter Taper Swage	Conventional	±5%	±.006" max.	Fall Stalker 2-Tone Black & Brown Camo	1816, 1916, 2117, 2216, 2219
	Gold Stalker	5086	58,000	RPS Insert	One-piece Bullet, NIBB, or Field Point	Full-diameter Taper Swage	Conventional	±5%	±.006" max.	Gold	1816, 1916, 2117, 2216, 2219

1 Easton straightness measurements comply with the ATA/ASTM industry standard. However, our shafts also meet a far more stringent straightness measurement of full length minus 2 inches (i.e. 34 inch shafts are measured at 32 inches).

2 Tensile strength value may vary ±3%.
3 Grains per shafts in a dozen bundle.
4 New sizes and models are shown in red.

®/™ Registered Trademark/Trademark of Easton.
® Super Slam is a Registered Trademark of Chuck Adams.
® Hardwoods HD Green is a Registered Trademark of Jordan outdoor enterprises.
® Mossy Oak is a Registered Trademark of Haas Outdoors, Inc.
™ NEW Break-Up is a Trademark of Haas Outdoors, Inc.
™ Obsession is a trademark of Haas Outdoors, Inc.

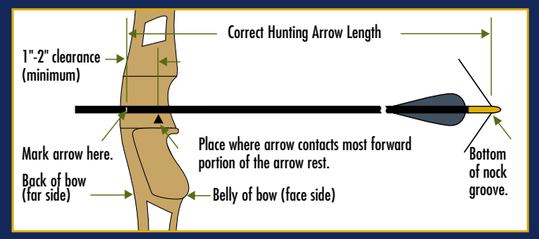
Hunting Shaft Selection Chart

SELECTING THE CORRECT HUNTING SHAFT

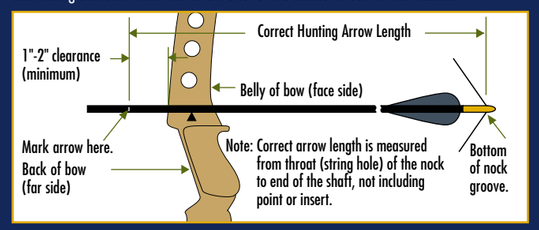
Our Hunting Shaft Selection Chart will help you, quickly and easily, find the perfect shaft match for your bow. Advanced, interactive Spine Weight Comparison and Hunting Shaft Selection Charts—now available online at www.easton.com.

1. Determining Correct Hunting Arrow Length

Bows with cut-out window. The Correct Hunting Arrow Length for bows with a broadhead cut-out sight window (including bows with overdraws) 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 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 Hunting 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.

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.

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.

COMPOUND BOW - Release Aid
CALCULATED PEAK BOW WEIGHT - Lbs.

Medium Cam				Single or Hard Cam			
Point Weight				Point Weight			
75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160	75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160
40-44	37-41	34-38	31-35	35-39	32-36	29-33	26-30
45-49	42-46	39-43	36-40	40-44	37-41	34-38	31-35
50-54	47-51	44-48	41-45	45-49	42-46	39-43	36-40
55-59	52-56	49-53	46-50	50-54	47-51	44-48	41-45
60-64	57-61	54-58	51-55	55-59	52-56	49-53	46-50
65-69	62-66	59-63	56-60	60-64	57-61	54-58	51-55
70-75	67-72	64-69	61-66	65-69	62-66	59-63	56-60
76-81	73-78	70-75	67-72	70-75	67-72	64-69	61-66
82-87	79-84	76-81	73-78	76-81	73-78	70-75	67-72
88-93	85-90	82-87	79-84	82-87	79-84	76-81	73-78
94-99	91-96	88-93	85-90	88-93	85-90	82-87	79-84

Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28"	Model	Weight Grs/Inch	Weight @29"
Group A					**Group B**				
1813	0.874	75	7.9	229	1913	0.733	75	8.3	241
1716	0.880	75	9.0	261	1816	0.756	75	9.3	270
780	0.780	Rdln	6.3	183	690	0.690	Rdln	6.3	183
Group G					**Group H**				
2312	0.423	SS	9.5	276	2215	0.420	SS, 75	10.7	310
2215	0.420	SS, 75	10.7	310	2314	0.390	SS, 75	10.7	310
2117	0.400	SS, 75	12.0	348	2117	0.400	SS, 75	12.0	348
2020	0.426	75	13.5	392	2216	0.375	SS, 75	12.0	348
400	0.400	AFMJ	9.9	287	400	0.400	AFMJ	9.9	287
400	0.400	AC Slim	9.7	281	400	0.400	AC Slim	9.7	281
3-39	0.440	A/C/C	8.6	249	3-49	0.390	A/C/C	8.8	255
400	0.400	Crbn	CAWT	CAWT	400	0.400	Crbn	CAWT	CAWT
460	0.460	Rdln	7.3	212	410	0.410	Rdln	7.6	220

Carbon Shaft Weights (CAWT)

Size	Spine	ST Axis		ST Axis Obsession		ST Epic Realtree HD		ST Epic		LightSpeed		Excel	
		Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"	Grs/In	@29"
500	0.500	8.1	235	8.9	258	8.0	232	7.3	212	6.5	189	7.1	206
400	0.400	9.0	261	9.8	284	9.3	270	8.6	249	7.4	215	8.1	235
340	0.340	9.5	276	10.3	299	10.2	296	9.5	276	8.2	238	8.8	255
300	0.300	10.7	310	11.5	334	10.7	310	10.0	290				

USING THE HUNTING ARROW SELECTION CHART

1. Once you have determined your Correct Hunting 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, then the column with the point weight you use. Then locate your Calculated Peak Bow Weight in that column.

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.

Correct Hunting Arrow Length

22½ 23" 23½	23½ 24" 24½	24½ 25" 25½	25½ 26" 26½	26½ 27" 27½	27½ 28" 28½	28½ 29" 29½	29½ 30" 30½	30½ 31" 31½	31½ 32" 32½	32½ 33" 33½
			A	B	B	C	C	D	E	
		A	B	B	C	C	D	E	F	
	A	B	B	C	C	D	E	F	G	H
A	B	B	C	C	D	E	F	G	H	I
B	B	C	C	D	E	F	G	H	I	J
B	C	C	D	E	F	G	H	I	J	J
C	C	D	E	F	G	H	I	J	J	K
C	D	E	F	G	H	I	J	J	K	L
D	E	F	G	H	I	J	J	K	L	L
E	F	G	H	I	J	J	K	L	L	L
F	G	H	I	J	J	K	L	L	L	
G	H	I	J	J	K	L	L	L		
H	I	J	J	K	L	L	L			

RECURVE BOW Finger Release
ACTUAL PEAK BOW WEIGHT - Lbs.

Point Weight			
75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160
35-39	32-36	29-33	26-30
40-44	37-41	34-38	31-35
45-49	42-46	39-43	36-40
50-54	47-51	44-48	41-45
55-59	52-56	49-53	46-50
60-64	57-61	54-58	51-55
65-69	62-66	59-63	56-60
70-75	67-72	64-69	61-66
76-81	73-78	70-75	67-72
82-87	79-84	76-81	73-78
88-93	85-90	82-87	79-84

MODERN LONGBOW Finger Release
ACTUAL PEAK BOW WEIGHT - Lbs.

Point Weight			
75 (grains) 65-85	100 (grains) 90-110	125 (grains) 115-135	150 (grains) 140-160
41-46	38-43	35-40	32-37
47-52	44-49	41-46	38-43
53-58	50-55	47-52	44-49
59-64	56-61	53-58	50-55
65-70	62-67	59-64	56-61
71-76	68-73	65-70	62-67
77-82	74-79	71-76	68-73
83-88	80-85	77-82	74-79
89-94	86-91	83-88	80-85
95-100	92-97	89-94	86-91
101-106	98-103	95-100	92-97
107-112	104-109	101-106	98-103
113-118	110-115	107-112	104-109

Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"	Size	Spine @ 28" Span	Model	Weight Grs/Inch	Weight @29"
Group C					**Group D**					**Group E**					**Group F**				
2013	0.610	75	9.0	261	2113	0.540	75	9.3	270	2212	0.505	SS	8.8	255	2212	0.505	SS	8.8	255
1916	0.623	75	10.0	290	2016	0.531	75	10.6	307	2114	0.510	SS, 75	9.9	287	2213	0.460	SS, 75	9.8	284
3L-18	0.620	A/C/C	7.5	218	500	0.500	AFMJ	8.9	258	2115	0.461	75	10.8	313	2115	0.461	75	10.8	313
600	0.600	Rdln	6.9	200	500	0.500	AC Slim	8.5	247	2018	0.464	75	12.3	357	2018	0.464	75	12.3	357
					3-18	0.560	A/C/C	7.8	226	500	0.500	AFMJ	8.9	258	500	0.500	AFMJ	8.9	258
					500	0.500	Crbn	CAWT	CAWT	500	0.500	AC Slim	8.5	247	500	0.500	AC Slim	8.5	247
					520	0.520	Rdln	7.1	206	3-28	0.500	A/C/C	8.1	235	3-28	0.500	A/C/C	8.1	235
										500	0.500	Crbn	CAWT	CAWT	500	0.500	Crbn	CAWT	CAWT
										520	0.520	Rdln	7.1	206	520	0.520	Rdln	7.1	206
Group I					**Group J**					**Group K**					**Group L**				
2413	0.365	SS, 75	10.4	302	2512	0.321	SS	10.3	299	2512	0.321	SS	10.3	299	2514	0.305	SS, 75	11.3	328
2314	0.390	SS, 75	10.7	310	2413	0.365	SS, 75	10.4	302	2514	0.305	SS, 75	11.3	328	2613	0.265	SS	11.5	334
2315	0.340	SS, 75	11.7	339	2315	0.340	SS, 75	11.7	339	2317	0.297	SS, 75	13.3	386	2317	0.297	SS, 75	13.3	386
2216	0.375	SS, 75	12.0	348	2219	0.337	SS, 75	13.8	400	300	0.300	AFMJ	11.6	336	2419	0.268	75	14.6	423
400	0.400	AFMJ	9.9	287	340	0.340	AFMJ	11.1	322	300	0.300	AC Slim	11.5	334	300	0.300	AFMJ	11.6	336
400	0.400	AC Slim	9.7	281	340	0.340	AC Slim	10.7	310	3-71	0.300	A/C/C	9.9	287	300	0.300	AC Slim	11.5	334
3-49	0.390	A/C/C	8.8	255	3-60	0.340	A/C/C	9.5	276	300	0.300	Crbn	CAWT	CAWT	3-71	0.300	A/C/C	9.9	287
400	0.400	Crbn	CAWT	CAWT	340	0.340	Crbn	CAWT	CAWT						300	0.300	Crbn	CAWT	CAWT
410	0.410	Rdln	7.6	220	360	0.360	Rdln	8.3	241										

Size – indicates suggested arrow size
Spine – spine of shaft size shown (static)
CAWT – refer to Carbon box (left) for specific model and weight

Color Designation for Aluminum Arrows – Within each box the aluminum arrows are color coded.

- = lightest and fastest
- = medium weight offering good speed and durability
- = heavier weights for excellent durability and penetration
- = aluminum/carbon and carbon

Note: Shaft Weight at 29" is shown on our Arrow Selection Charts. To determine weight at your shaft length, multiply your actual shaft length by the grains-per-inch (gpi), not including point, insert, or UNI Bushing.

AFMJ	Axis Full Metal Jacket
SS	Super Slam (7178-T9 alloy)
75	XX75: NexX75, Platinum Plus, Legacy, Camo Hunter, GameGetter II (7075-T9 alloy)
AC Slim	Aluminum/Carbon Super Slim
A/C/C	Aluminum/Carbon/Composite
Rdln	Redline
Crbn	ST Axis, ST Axis Obsession, ST Epic Realtree HD Green, Excel, ST Epic, LightSpeed

Suggested shaft sizes were determined using 100-grain points. See "Variables" on left side of page.

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 and then the point weight you use. 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 Hunting 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.