

ARROW SELECTION

USING THE TARGET ARROW SELECTION CHART

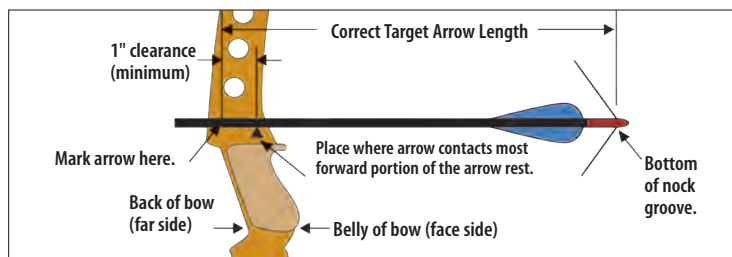
- Once you have determined your **Correct Target Arrow Length** and **Calculated or Actual Peak Bow Weight**, you are ready to select your correct shaft size:
 - Compound bows.** In the "Calculated Peak Bow Weight" column (left-hand side of the chart), select the column with the type of cam on your bow.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

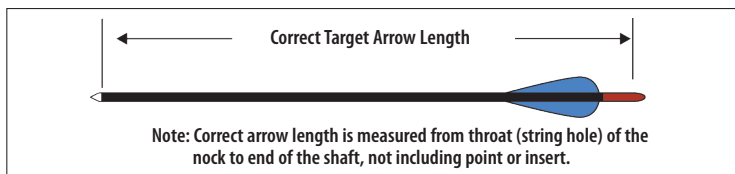
Our Target Shaft Selection Chart will help you find the perfect shaft match for your bow—quickly and easily. Advanced, interactive Spine Weight Comparison and Target Shaft Selection Charts are now available online at www.eastonarchery.com

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

For 50#–70# Actual/Calculated Peak Bow Weight, add to bow weight —

1"	2"	3"	4"	5"
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 <small>Bow Weight—lbs. Finger Release</small>	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 length shown, round-up to the next longer increment.

Size	Spine	Model	Weight Grs/Inch	Size	Spine	Model	Weight Grs/Inch
Group Y1				Group Y2			
2000	2.000	Carb1	3.4	1800	1.800	Carb1	3.6
2000	2.000	Apollo	3.4	1800	1.800	Apollo	3.6
2000	2.000	Inspire	3.4	1800	1.800	Inspire	3.6
1214	2.501	75	5.9	1413	2.036	75	5.9
Group Y3				Group Y4			
1600	1.600	Carb1	3.8	15020-	1.500	A/C/G	4.7
1600	1.600	Apollo	3.8	2-00	1.500	A/C/C	4.7
1600	1.600	Inspire	3.8	1400	1.400	Carb1	4.2
1416	1.684	75	7.2	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				Group Y6			
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
3L-00	1.300	A/C/C	5.1	3-00	1.150	A/C/C	5.5
1200	1.200	Apollo	5.5	1150	1.200	Carb1	5.0
1200	1.200	Inspire	7.2	1200	1.200	Apollo	5.5
1400	1.400	Vector	3.9	1200	1.200	Inspire	7.2
1514	1.379	X7	6.8	1000	1.000	Vector	5.0
1516	1.403	75	7.3	1516	1.403	75	7.3
				1614	1.403	X7	7.7
Group Y7				KEY			
1000	1.000	A/C/E	5.7	A/C/E	Aluminum/Carbon/Extreme		
1100	1.100	A/C/G	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	Inspire	Carbon Inspire		
1000	1.000	Inspire	7.2	Vector	Carbon Vector		
1000	1.000	Vector	5.0	X7	X7 Eclipse (7178 alloy)		
1614	1.153	X7	7.7	75	XX75: Platinum Plus, Tribute, Jazz and Neos (7075 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.

TARGET SHAFT MODELS

Aluminum/Carbon	Pg #	Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance ¹	Straightness ¹	Color/Finish	Sizes
X10[®]	2	High-strength carbon fiber bonded to a precision 7075 alloy core tube —barreled shaft	N/A	X10 Ballistic Tungsten Break-off or X10 Stainless Steel Break-off	X10 Pin	Pin Nocks X10 Overnock	±0.5 grains	±.0015"	Polished Black Carbon	1000, 900, 830, 750, 700, 650, 600, 550, 500, 450, 410, 380, 350, 325
X10[®] PROTOUR™	2	High-strength carbon fiber bonded to a precision 7075 alloy core tube — single-taper shaft	N/A	X10 Ballistic Tungsten Break-off or X10 Stainless Steel Break-off	X10 or ProTour Pin	Pin Nocks	±0.5 grains	±.0015"	Polished Black Carbon	770, 720, 670, 620, 570, 520, 470, 420, 380, 340
A/C/E[®]	4	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 Nocks or G Nock	±0.5 grains	±.0015"	Polished Black Carbon	(1250, 1100) ⁵ ; 1000, 920, 850, 780, 720, 670, 620, 570, 520, 470, 430, 400, 370
PROCOMP™	4	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 Nocks or G Nock	±0.5 grains	±.0015"	Polished Black Carbon	570, 520, 470, 420, 400, 380, 340, 300
A/C/C™	6	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 or Pin Nock	±0.5 grains	±.002"	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
A/C/G™	6	High-strength carbon fiber bonded to a precision 7075 alloy core tube	A/C/E Insert	Screw-in, One-piece, A/C/E or A/C/G Stainless Steel Break-off	A/C/E & A/C/G Pin or Insert Nock	Pin Nocks or G Nock	±0.5 grain	±.002"	Polished Black Carbon	1500, 1300, 1150, 1000, 880, 810, 710, 660, 610, 540, 480, 430
FMJ MATCH™	14	High-strength carbon core bonded to a precision 7075 alloy jacket	A/C/E Insert or Deep Six Insert	Screw-in, One-piece, Carbon One Stainless Steel Break-off	G Nock or G Pin Nock	G Nock	±2 grains	±.001"	Polished Silver finish	530, 490, 450, 400, 375

Carbon	Pg #	Materials/Construction	Inserts	Points	Nock System	Nock Type	Weight Tolerance ¹	Straightness ²	Color/Finish	Sizes
CARBON ONE™	8	UltraLite carbon fibers	A/C/E Insert	Carbon One Stainless Steel Break-off	A/C/E Pin, Carbon One Pin, or insert Nock	Pin Nock, Pin G Nock, G Nock	±1 grains	±.003"	Black, Micro-smooth Finish	2000, 1800, 1600, 1400, 1150, 1000, 900, 810, 730, 660, 600, 550, 500, 450, 410
HYPERSPEED™ HYPERSPEED™ PRO	8	UltraLite carbon fibers	CB Insert	CB and RPS	NA	3D Super, Super, or S	±2 grains	±.003" ±.001"	Black, Smooth-matte Finish	500, 400, 340, 300
APOLLO™	10	UltraLite carbon fibers	A/C/E Insert	Apollo One-Piece	A/C/E Pin, Carbon One Pin, or insert Nock	Pin Nock, Pin G Nock, G Nock	±2 grains	±.005"	Black, Micro-smooth Finish	2000, 1800, 1600, 1400, 1200, 1070, 950, 840, 740, 670, 610, 560
SUPERDRIVE 23™	12	Multi-layer wrapped Carbon fiber	40 gr.	One-piece	Super UNI, G Nock Uni, or G Pin Nock	3D, Super, G Nock, or Pin Nock	±1 grains	±.003"	Black, Smooth-matte Finish	475, 375, 325
SUPERDRIVE 25™	12	Multi-layer wrapped Carbon fiber	50 gr.	One-piece	Super UNI, G Nock Uni, or G Pin Nock	3D, Super, G Nock, or Pin Nock	±1 grains	±.002"	Black, Smooth-matte Finish	290
SUPERDRIVE 27™ SUPERDRIVE 27™ PRO	12	Multi-layer wrapped Carbon fiber	NA	One-piece	Super UNI, G Nock Uni, or G Pin Nock	3D, Super, G Nock, or Pin Nock	NA	±.005" ±.002"	Black, Smooth-matte Finish	270
INSPIRE™	10	Small diameter pultruded carbon	NA	Zinc One-piece Point	NA	G Nock or X Nock	NA	NA	Black, Smooth-matte Finish	2000, 1800, 1600, 1400, 1200, 1000, 900, 750, 630, 570

Aluminum	Pg #	Aerospace Alloy	Strength ³ (psi)	Inserts	Points	Nock System	Nock Type	Weight Tolerance ⁴	Straightness ¹	Color/Finish	Sizes
X²™ X⁷™	14	7178-T9	105,000	RPS Insert	NIBB, One-Piece Bullet or RPS Point	Super UNI System	3D Super, Super Nock or S Nock	±3/4%	+ .001"	Diamond Polished Silver Anodized	2712, 2312, 2314, 2315, 2318
ECLIPSE™	16	7178-T9	105,000	Not Available	NIBB or One-piece Bullet	UNI or Super UNI System	3D Super Super Nock S Nock or G Nock	±3/4%	±.001"	Hard-Anodized Polished Black	<i>1514, 1614, 1714, 1814, 1914, 2014, 2114, 2212, 2213, 2214, 2311, 2312, 2314, 2315, 2412, 2413, 2511, 2512, 2612, 2613, 2712</i>
XX75 PLATINUM™ PLUS	20	7075-T9	96,000	RPS Insert	NIBB, One-piece Bullet, or RPS Point	UNI or Super UNI System	3D Super Super Nock or S Nock	±1%	±.002"	Hard-Anodized Platinum Grey	<i>1416, 1516, 1616, 1713, 1716, 1813, 1816, 1913, 1916, 2013, 2016, 2114, 2213, 2315</i>
JAZZ™	20	7075	90,000	RPS Insert 1716 & up	NIBB, One-piece Bullet, or RPS Point	Full-Diameter Taper Swage	Conventional or G Nock ⁶	±2%	±.005"	Hard-Anodized Purple/Silver	1214 ⁴ , 1413, 1416, 1516, 1616, 1716, 1816, 1916, 2016
TRIBUTE™	20	7075	90,000	RPS Insert 1716 & up	NIBB, One-Piece Bullet or RPS Point	Full-Diameter Taper Swag	Conventional or G Nock	±2%	±.005"	Hard-Anodized Black	1214 ⁴ , 1413, 1416, 1516, 1616, 1716, 1816, 1916, 2016
GENESIS™	16	7075	90,000	Not Available	One-piece Point	Full-Diameter	N Nock	±2.5 grains	±.005"	Hard-Anodized Bright Blue, Orange, Black	1820
NEOS™	20	7075	90,000	Not Available	One-piece Point	Full-Diameter Taper Swage	Conventional	±5%	±.008"	Hard-Anodized Gold	1618

¹ Guaranteed straight to more stringent standards than ATA/ASTM methods.
² Guaranteed to meet or exceed similar carbon-industry straightness specifications.
³ Tensile strength value may vary ±3%.

⁴ Grains-per-shafts in a dozen bundle.
⁵ Special order only.
⁶ 1214 size Jazz uses direct-fit G Nock.

Eclipse and Platinum Plus sizes in italics use UNI System and G Nock.
⁷™ Registered Trademark of Easton.

LIMITED WARRANTY

The Easton arrow shaft limited warranty covers any defects in material and/or workmanship for one year from the original owner's date of purchase. Arrow shafts that are defective will be replaced by your local Easton dealer with proof of purchase. Damage caused by impact from other arrows, impact with hard objects, improper cleaning or fletching, or from normal wear and tear is not covered by Easton's limited warranty. The limited warranty also does not cover damage resulting from your failure to follow Easton's written instructions. For written instructions and warranty details see www.eastonarchery.com.

ARCHERY EXPERTS

For more information on arrow preparation and assembly, visit: WWW.EASTONARCHERY.COM

ALUMINUM SHAFT COMPONENT SPECIFICATIONS

Size	Shaft Weight		Spine @ 28" Span	Stock Length ³		Conventional Nock Size ⁴	UNI System ⁵		NIBB Point	One-piece Bullet Point	RPS ⁷ Insert Alum.	RPS ⁷ Point Size
	XX75 ¹	X7 ²		XX75 ¹	X7 ²		UNI Bushing ⁶	Super UNI Bushing ¹				
	Grains per Inch		Deflection in Inches	Inches	Inches	Grains	Grains	Grains ⁸	Grains ⁸	Grains ⁸	Grains ⁸	
1214	5.9	—	2.501	26½	—	—	—	—	45	—	—	—
1413	5.9	—	2.036	26	—	7/32	—	—	35	—	—	—
1416	7.2	—	1.684	27	—	7/32	2	—	46	52	—	—
1514	—	6.8	1.379	—	26½	—	5	—	61 ⁹	—	—	—
1516	7.3	—	1.403	27½	—	1/4	3	—	48	54	—	—
1614	—	7.7	1.153	—	28	—	5	—	51	—	—	—
1616	8.4	—	1.079	28½	—	1/4	5	—	56	63	—	—
1618	9.8	—	0.957	32½	—	1/4	—	—	50	—	—	—
1713	7.4	—	1.044	29	—	—	7	—	54	—	—	—
1714	—	8.1	0.963	—	29	—	7	—	56	—	—	—
1716	9.0	—	0.880	29	—	1/4	7	—	60	68	10	17/64
1813	7.9	—	0.874	30	—	1/4	8	—	56	—	14	9/32
1814	—	8.6	0.799	—	29½	—	8	—	60	—	—	—
1816	9.3	—	0.756	30	—	9/32	8	—	63	74	12	9/32
1820	12.2	—	0.592	29½	—	9/32	—	—	59	—	—	—
1913	8.3	—	0.733	31	—	9/32	9	—	64	—	18	5/16
1914	—	9.3	0.658	—	30½	—	9	—	64	—	—	—
1916	10.0	—	0.623	31	—	9/32	9	—	72	82	16	5/16
2013	9.0	—	0.610	32	—	—	5	—	68	—	21	5/16
2014	—	9.6	0.579	—	31½	—	(10)	5	71	—	—	—
2016	10.6	—	0.531	32	—	—	—	4	80	90	20	5/16
2114	9.9	9.9	0.510	31	32½	—	(11)	7	78	100	25	5/16
2212	—	8.8	0.505	—	32½	—	(13)	9	102 ⁹	100	31	11/32
2213	9.8	9.9	0.458	31	33½	—	(13)	9	88	100	30	11/32
2214	—	10.4	0.425	—	33	—	(13)	9	103 ⁹	100	—	—
2311	—	8.9	0.450	—	33	—	(15)	11	99 ⁹	100	37	11/32
2312	—	9.5	0.423	—	33	—	(15)	11	99 ⁹	100	37	11/32
2314	10.7	10.8	0.391	32	33½	—	(14)	10	—	100	34	11/32
2315	11.7	11.8	0.342	32	34	—	—	11	—	100	37	11/32
2318	13.7	—	0.300	34¼	—	—	—	11	—	200	—	—
2412	—	9.7	0.400	—	34	—	(17)	12	110	100	40	11/32
2413	—	10.5	0.365	—	34	—	(17)	12	110	100	40	11/32
2511	—	9.6	0.348	—	34	—	(20)	15	108 ⁹	100	52	11/32
2512	—	10.3	0.321	—	34½	—	(20)	15	108 ⁹	100	52	11/32
2612	—	10.7	0.285	—	34½	—	(22)	17	—	150	58	3/8
2613	—	11.5	0.265	—	34½	—	(22)	17	—	150	58	3/8
2712	—	11.3	0.260	—	34½	—	—	19	—	150/300	—	—

— Indicates not available

¹ XX75 Tribute, Jazz, Platinum Plus, Genesis.

² X7 Eclipse.

³ Length is approximate stock shaft length for each size.

⁴ Nock size for conventional swaged nock taper.

⁵ UNI—Universal Nock Installation System.

⁶ Parentheses indicate smaller G Nock UNI Bushing size is available as an optional accessory.

⁷ RPS = Replaceable Point System with 8-32 ATA Standard thread.

⁸ NIBB point grain weights are ±0.5 grain. All other components are ±1 grain.

⁹ This NIBB point will provide approximately an 8% F.O.C. All other NIBB points are approximately 7% F.O.C. F.O.C. is Front-of-Center balance position on the arrow shaft.

¹⁰ Super UNI Bushing accepts Super, S, 3D Super Nock, and Micro Super Nock.

⚠️ WARNING!: FOLLOW THESE INSTRUCTIONS TO AVOID PERSONAL INJURY. SEE WARNINGS AND USE AT WWW.BSAFE.WS OR 877-INFO-ETP (877-463-6387).

BOW INSPECTION

Before shooting any Easton arrow, it is critical to inspect your bow, including all components, to be sure that it is properly adjusted and in good working order. Easton arrows should only be used with bows that have a correct pull weight and draw length (see arrow selection chart at www.eastonarchery.com/shaft-selector/). Selecting the correct arrow and arrow length for the bow is the responsibility of the shooter, and failure to do so could result in personal injury and/or equipment damage.

WARNING! NEVER SHOOT AN ARROW WITH AN IMPROPERLY ADJUSTED OR DAMAGED BOW.

ARROW BREAKAGE

Any arrow can become damaged. A damaged arrow could break upon release and injure you or a bystander. Damage to an arrow shaft, or any of its components, may occur from improper transport, handling, or use; impacts with hard objects or other arrows; or, after being shot into a game animal. No list can cover all possible conditions and situations that may cause damage. Use good judgment and common sense, as well as follow the warnings and instructions below, to determine if your arrow has been damaged in any way.

WARNING! NEVER SHOOT A DAMAGED ARROW.

ARROW USE PRECAUTIONS

Before each shot (including the first shot of a new arrow) carefully inspect each arrow shaft and all arrow components to see that they have not been damaged. Before shooting, place the arrow between your thumb and fingers, and using your other hand to slowly rotate the shaft, run your fingertips along the entire arrow length, feeling and looking closely for nicks, cracks, splits, dents, or other marks that could indicate the shaft has been damaged (see arrow inspection video at www.eastonarchery.com/warning-use/). If your arrow is crested, inspect for damage on the crest surface and for any soft spots under the crest wrap. You may need to remove the cresting to make a thorough inspection. If damage is present, DISCARD THE ARROW.

WARNING! NEVER SHOOT A DAMAGED ARROW.

Before each shot, inspect the nock for damage and check that it is fully seated, and fits tightly in the shaft. Apply twisting pressure to see if the nock turns easily. If the nock has backed out of the arrow or turns easily, inspect for cracks in the arrow shaft. If there are cracks in the arrow shaft, or if the nock is loose, DISCARD THE ARROW. **WARNING! NEVER SHOOT A DAMAGED ARROW.** If the nock is damaged, REPLACE THE NOCK.

WARNING! NEVER SHOOT AN ARROW WITH A DAMAGED NOCK.

ADDITIONAL TESTS FOR CARBON ARROWS

When checking carbon arrows, perform the following additional tests:

1. Grasp the shaft just above the point and below the nock, then flex the arrow in an arc (bending it away from you and others) with a deflection of 1 to 2 inches (2.5 to 5 cm), and feel and listen for cracking (*Figure 1*).

Perform this test 4 to 6 times, rotating the arrow slightly between each flex until you have gone around the entire arrow. If you hear or feel cracking, the carbon has been damaged, DISCARD THE ARROW.

WARNING! NEVER SHOOT A DAMAGED ARROW.

2. While still holding the point and fletching ends of the arrow, twist the shaft in opposite directions (*Figure 2*). If the arrow "relaxes" or twists easily, the carbon has been damaged. DISCARD THE ARROW.

WARNING! NEVER SHOOT A DAMAGED ARROW.

A damaged arrow could break upon release and injure you or a bystander. If you have any reason to believe that an arrow has been damaged, DISCARD THE ARROW.

WARNING! NEVER SHOOT A DAMAGED ARROW.

CARBON ARROW CUTTING

Only cut a carbon arrow using a high-speed arrow cut-off saw. Using any other saw or cutting device may cause damage to the arrow. If an arrow has been cut without using a high-speed arrow cut-off saw, DISCARD THE ARROW. **WARNING! NEVER SHOOT A DAMAGED ARROW.**

To reduce your risk of serious injury or death, you must read and understand all safety warnings and instructions. If you do not understand these instructions, or cannot adequately perform the above tests, STOP and seek appropriate assistance before shooting any arrow.

⚠️ WARNING: Cancer and Reproductive Harm—www.P65Warnings.ca.gov

Some of the products listed in this Product Guide may be subject to California Proposition 65 warnings requirements. See product packaging or website for specific warning information. This Product Guide is intended for informational purposes only, not a solicitation for product sales.