



THE CARBON EXPERTS

The Victory Difference

For years, Victory Archery has designed and manufactured the world's finest carbon fiber arrows. Now part of the Aldila family, Victory combines their expertise with that of Aldila to bring high performance archery products to the market first. Victory is now the only arrow brand that offers total control over the manufacturing process, producing its own carbon fiber materials and manufacturing arrows in its own factories. This unique vertical integration means Victory has complete control over finished product quality. In addition, Victory products will now be developed using Aldila's state of the art CAD/CAE system. This has allowed Aldila to develop composite product technology well beyond other manufacturers.





Victory Archery is the only carbon arrow manufacturer to produce its own carbon fiber materials. The state of the art carbon fiber facility also produces materials for aerospace, sporting goods, automotive and medical applications. For 40 years, we have been the leading innovator of high performance carbon fiber products.

Applied art and engineering

We are committed to maintaining our reputation as the leader in innovative product design and composite materials technology. Our engineers are aerospace and composite material veterans that bring a new level of sophistication to the archery industry. Victory Archery is much more than an arrow company. We are a materials science think tank that's constantly researching the potential of physical and chemical compounds to bring leading edge products to the market first. Utilizing proprietary computer aided design and exclusive carbon fiber materials technology, we have received numerous design and process patents. While other companies are repainting old arrow designs and renaming old products, Victory offers real innovation.

Our exclusive Victory ICE™ is an example of Victory's advanced engineering capabilities. No other arrow manufacturer offers an advanced arrow coating that even comes close to the performance of ICE™. In the following pages, you will see our advanced carbon fiber technology incorporated into the highest performance arrows available.





Greater penetration

Increased speed

Less affected by wind

60% less pulling effort

Completely dry/odor free coating

Tough, long lasting finish

Never needs to be re-applied

Victory ICE™

The revolutionary new arrow coating that sets Victory arrows apart from all other arrows. Now available on all V1 and V3 arrows from Victory. Victory ICE is also available on arrows and bolts from other leading manufacturers. Look for the official Victory ICE logo.



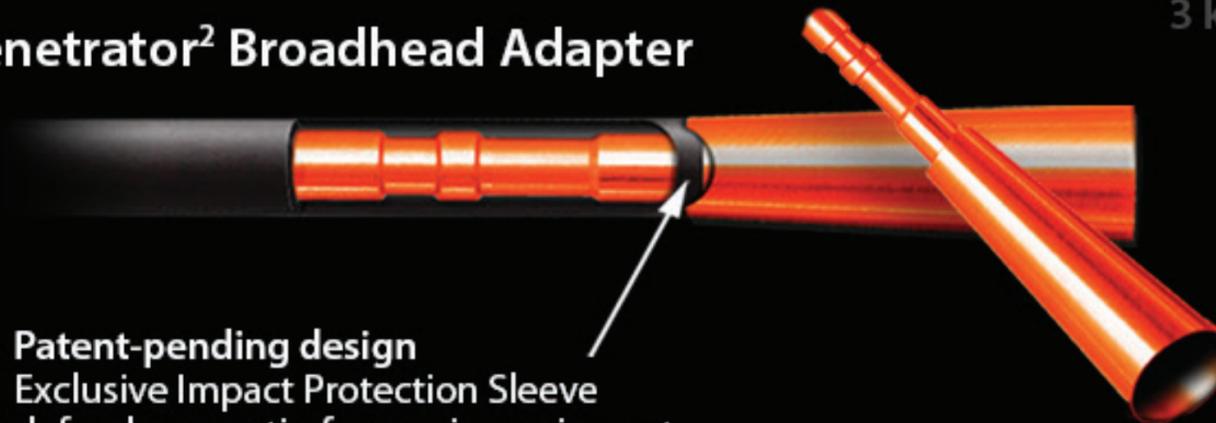
Penetrator² Broadhead Adapter

The Victory VAP™ is the deepest penetrating small diameter arrow. Period. The VAP Hunting system goes far beyond other small diameter arrows available to achieve maximum performance and penetration. The VAP Hunting System™ combines the ultra small diameter VAP hunting arrow with our patent pending Penetrator² Broadhead Adapter™ and Victory ICE™ arrow coating. With the VAP, you can also continue using your favorite broadhead for trusted performance.

Penetrator Hunting System

Victory VAP
Penetrator² Broadhead Adapter
Victory ICE Arrow Coating
3 keys to deeper penetration

Penetrator² Broadhead Adapter



Patent-pending design
Exclusive Impact Protection Sleeve
defends arrow tip for maximum impact
strength and durability

Penetrator² accepts 8/32" broadheads
allowing you to continue using your
favorite broadhead for trusted performance.

Please see [VAP Specifications page](#) for Penetrator² Insert Fitting Chart



11% Less Penetration

19% Less Penetration

Victory
ARCHERY

Victory

Victory VAP™

100% carbon fiber · Ultra small diameter · Hunting Arrow

The Victory VAP™ (Victory Armour Piercing) is the most powerful, accurate hunting arrow available. Numerous independent tests have confirmed, its blistering speed offers deeper penetration and more deadly killing power than standard hunting diameter arrows. The ultra small diameter, thick walled, 100% high performance carbon fiber design coupled with the Penetrator Broadhead Adapter™ offers an insane hunting arrow with no compromises. The VAP is also quieter and less affected by wind for incredible accuracy. Its Extreme Forward of Center (EFOC) design offers ultimate long range accuracy and penetration.



HUNTING

Spines Available	250	300	350	400	450	500					
Grains per Inch	9.7	8.9	8.1	7.1	6.8	6.1					

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)

PERCING



[Click here for specs and components](#)

Victory VForce™, VForceHV™

100% Carbon fiber · Standard diameter hunting arrow

Victory's hottest hunting arrow just got hotter. This standard hunting diameter shaft integrated with the tightest tolerances in the industry makes for one deadly combination for broadhead accuracy. The VForceHV™ has the same great features of the VForce™ in a lighter weight package. The VForceHV allows even those low poundage shooters to have smoking fast FPS...the perfect combination for 3D and hunting. Bohning Blazer® nocks and inserts included.



HUNTING

	Vforce						VForceHV			VForceJF
Spines Available	300	350	400	450	500	600	300	350	400	580
Grains per Inch	8.9	8.1	7.1	6.8	6.1	5.5	7.2	6.8	6.4	7.5

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)



[Click here for specs and components](#)

Victory Camo Edition

Victory is proud to be an official licensee of Lost Camo®. We are now offering the Lost Camo® Edition VAP™ and VForce™ arrows with either the Lost Camo® or Lost Camo AT® camouflage patterns. New for 2013, we are also now offering the Mossy Oak Tree Stand® Camo pattern. Whether you're looking for the traditional hunting diameter shaft of the VForce or the ultra small diameter, high performance VAP, we now offer both in the most popular hunting spines. Bohning® Blazer Tiger Stripe vanes and nocks included.



	Victory VAP						VForce			
Spines Available	250	300	350	400	450	500	300	350	400	500
Grains per Inch	10.2	9.4	8.6	7.8	7.3	6.6	10.3	9.2	8.5	7.7

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)



[Click here for specs and components](#)

Victory VAP™

100% carbon fiber · Ultra small diameter · Victory's fastest target arrow

The Victory VAP™ (Victory Armour Piercing) has set a standard in the target arena with its ultra small diameter and thick walled, 100% high modulus carbon fiber construction. The VAP has been used to win numerous United States and International archery titles. This is the perfect arrow to shrink your group size and increase your scores. Its Extreme Forward of Center (EFOC) design offers unmatched accuracy especially at long range or windy conditions. Ask your favorite retailer or representative for information on the new Victory Perfect Dozen™.



Spines Available	250	300	350	400	450	500	600	700	800	900	1000
Grains per Inch	9.7	8.9	8.1	7.1	6.8	6.1	5.5	5.7	5.1	5.6	5.2

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)

TARGET



[Click here for specs and components](#)

Victory VForce™, VForceHV™

100% Carbon fiber · Standard diameter target arrow

The VForce™ is the standard by which all other arrows are measured in high performance standard diameter target arrows. The VForce is manufactured to the tightest tolerances in the industry for shot after shot accuracy and consistency. The VForceHV™ has the same great features of the VForce in a lighter weight package. Victory's high velocity series of arrows allows even those low poundage shooters to have smoking fast FPS. Bohning® Blazer® nocks and inserts included.



TARGET

	Vforce						VForceHV		
Spines Available	300	350	400	450	500	600	300	350	400
Grains per Inch	8.9	8.1	7.1	6.8	6.1	5.5	7.2	6.8	6.4

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)



[Click here for specs and components](#)

Victory Ares™

100% carbon fiber · High performance junior arrow

Victory Archery has designed a new line of high performance youth arrows that are unique to the industry. The Boys arrow is called the Ares after the Greek God of War. This boy's arrow is designed at 29" with a spine of 500 that can be shot from a 5 to 29lb. Recurve or Compound bow. It comes standard at a 29" length with inserts that can be glued in or loose. They come in two colors with a high visibility Green or a Vibrant Blue colored painted surface. The ARES arrows also come with 3" Gateway Feathers which are the optimum choice for shooting through a whisker biscuit. They are 100% carbon fiber so they are less prone to bending with typical aluminum or fiberglass arrows.



TARGET

Spines Available					500					
Grains per Inch					7.2					



[Click here for specs and components](#)

Victory Venus™

100% carbon fiber · High performance junior arrow

Venus named after the Greek Goddess of Love. This girl's arrow is designed at 29" with a spine of 600 that can be shot from a 5 to 29lb. Recurve or Compound bow. It comes standard at a 29" length with inserts that can be glued in or loose. They come in two colors with a vibrant Pink or a Vibrant Purple colored painted surface. The VENUS arrows also come with 2 1/4" Gateway Feathers that are purple and pink which are the optimum choice for shooting through a whisker biscuit. They are offered in bulk as singles or in 72 packs. They are 100% carbon fiber so they are less prone to bending with typical aluminum or fiberglass arrows.



TARGET

Spines Available						600				
Grains per Inch						6.7				



[Click here for specs and components](#)

X-Ringer™, X-RingerHV™

100% Carbon fiber · Large diameter 3D target arrow

The X-Ringer™ is the ideal arrow designed for competitive archers. With its line cutting ability coupled with long range accuracy, the X-Ringer is a must have. The X-RingerHV™ has all the benefits of the X-Ringer in a high velocity package. This lightweight, large diameter shaft is the most forgiving, accurate, flat shooting shaft in the industry. Pin bushings and Bohning® pin nocks included. Glue in points and screw in inserts sold separately.



TARGET

	X-Ringer					X-RingerHV				
Spines Available	250	350				250	350			
Grains per Inch	8.8	7.4				6.8	6.2			

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)

Victory HV *in Victory*
ARCHERY™



[Click here for specs and components](#)

VX-22™, VX-22HV™, X-Killer™

100% Carbon fiber · Large diameter indoor target arrows

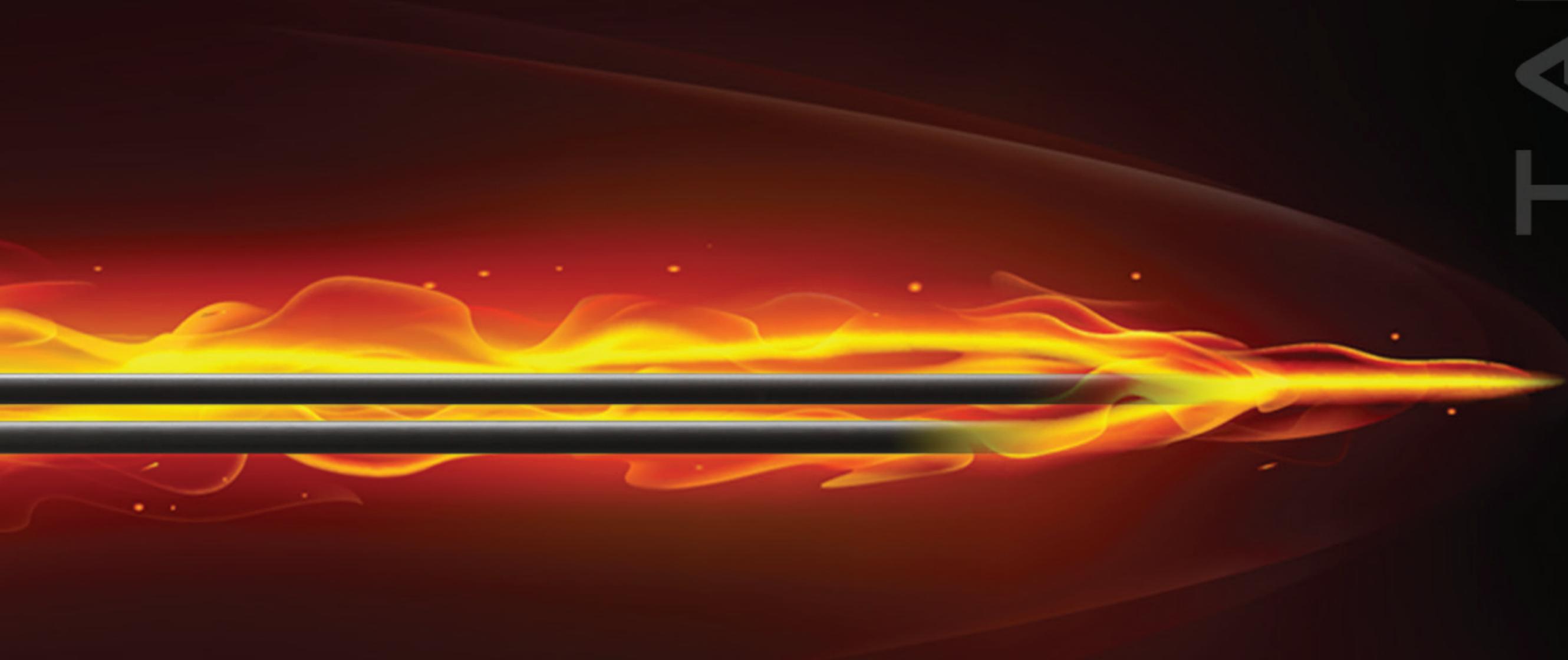
The VX-22™ is the arrow of choice for top competition archers. It has a 0.344 outside diameter for line cutting performance needed in competition shooting. The VX-22HV™ has all the benefits of the VX-22 in a lighter weight design giving you the additional speed everyone is looking for. The X-Killer™ is a large diameter competition arrow. With an outside diameter of 0.421, the X-Killer offers unbelievable accuracy. Pin bushings and Bohning® pin nocks included. Glue in points and screw in inserts sold separately.



TARGET

	VX-22			VX-22HV			X-Killer		
Spines Available	300			300			200		
Grains per Inch	8.7			7.5			9.5		

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)



[Click here for specs and components](#)

VX-23™

100% Carbon fiber · Largest diameter WAF allowed competition arrow

The VX-23™ is the newest high performance target arrow from Victory. It has a 0.366" outside diameter, the largest diameter allowed in World Archery Federation (WAF) competitions. The VX-23 offers unmatched stability and amazing flight characteristics that blows away the competition. Pin bushings and Bohning® pin nocks included. Glue in points and screw in inserts sold separately.



TARGET

Spines Available	300	350	400							
Grains per Inch	8	7.8	7.2							

(± .001, .003, .006 Straightness / Weight Tolerance ±.5 grains)



[Click here for specs and components](#)

VAP VooDoo™ Bolt

Patent Pending · Ultra small diameter crossbow bolt

The most potent crossbow bolt in the world. A revolutionary, patent-pending design that offers unmatched speed, accuracy and killing power. The VAP VooDoo™ combines an ultra small diameter shaft with our exclusive Rail Ryder™ Technology to create the fastest, most accurate bolt available. With only 2 contact points on the rail, the VAP VooDoo comes off faster and more accurately than traditional crossbow bolts. Available in 20", 22" or 24" overall lengths for maximum versatility with greater accuracy and stability. The VAP VooDoo comes with AAE Max Hunter® Vanes and Penetrator Broadhead Adapter™. Its universal design is compatible with most crossbow models.



BOLTS

Unbelievable Penetration
Ultra small diameter for incredible speed and accuracy with unmatched power

Extra Clearance Above the Rail
Allows for a helical vane configuration yielding faster spin rate off the rail

Only 2 Rail Contact Points
95% less arrow contact with the rail

VAP VooDoo 20", 22" and 24" Overall Length
Increased length increases long range accuracy. Superior long range accuracy compared to a typical 20" crossbow bolt. The 20" and 22" models include stainless steel inserts.



[Click here for specs and components](#)

Victory XBolt™

100% Carbon Fiber · Standard diameter crossbow bolt

The XBolt™ is the perfect arrow for crossbow enthusiasts. Made with 100% carbon fiber and matched with a brass insert to achieve an Extreme Front of Center (EFOC) measurement for fantastic down range accuracy and penetration. The XBolt comes standard with a brass insert and Bohning® halfmoon nock. A Bohning® flat nock is also available. The XBolt is available in both 20" and 22" lengths.



BOLTS



[Click here for specs and components](#)

The Pink Arrow Project®

Victory Archery has gone Pink. We are a proud partner of the Pink Arrow Project®. Our VAP, VForce and Pink Bolt are all now available in unique pink graphics. A portion of the proceeds from the sale of all Victory Pink arrows go directly to the National Breast Cancer Foundation through the Pink Arrow Project. As Mary Hale, founder of the Pink Arrow Project, likes to say, "All we ask is you have at least one in your quiver."



	Pink VAP					VForce					XBolt
Spines Available	350	400	450	500		350	400	500	600		NA
Grains per Inch	8.1	7.1	6.8	6.1		8.7	8.0	7.2	6.7		8.7



[Click here for specs and components](#)

Arrow Selection Chart

		Victory Arrow			
Recurve Bow Weight/LBS	Compound Bow Weight		22.5 23"	23.5 24"	24.5 25"
	Mid Cam IBO 315FPS +/- 10FPS	Hard Cam IBO 330FPS +/- 10FPS	23.5	24.5	25.5
			1000	1000	1000
			1000	1000	1000
			1000	1000	900
12-14			1000	900	900
14-16			900	900	900
16-18			900	900	800
18-22	14-18		900	800	800
22-26	18-22	14-18	800	800	800
27-31	22-26	18-22	800	800	700
32-36	27-31	22-26	800	700	700
37-41	32-36	27-31	700	700	700
42-46	37-41	32-36	700	700	600
47-51	42-46	37-41	700	600	600
52-56	47-51	42-46	600	600	600
57-61	52-56	47-51	600	600	500
62-66	57-61	52-56	600	500	500
	62-66	57-61	500	500	500
	67-72	62-66	500	500	400
	73-78	67-72	500	400	400
	79-84	73-78	400	400	400
	85-90	79-84	400	400	350
	90-95	85-90	400	350	350
	95-100	90-95	350	350	350
	100-105	95-100	350	350	300

Based on 100 GR Point

These are general guidelines

Notes: 125 GR Point - If your draw length and bow poundage falls on the edge of a spine with a 125 GR point choose the stiffer spine

Selection Chart

Arrow Length					
25.5 26" 26.5	26.5 27" 27.5	27.5 28" 28.5	28.5 29" 29.5	29.5 30" 30.5	30.5 31" 31.5
900	900	900	800	800	800
900	900	900	800	800	800
900	900	800	800	800	700
900	800	800	800	700	700
800	800	800	700	700	700
800	800	700	700	700	600
800	700	700	700	600	600
700	700	700	600	600	600
700	700	600	600	600	500
700	600	600	600	500	500
600	600	600	500	500	500
600	600	500	500	500	400
600	500	500	500	400	400
500	500	500	400	400	400
500	500	400	400	400	350
500	400	400	400	350	350
400	400	400	350	350	350
400	400	350	350	350	300
400	350	350	350	300	300
350	350	350	300	300	300
350	350	300	300	300	250
350	300	300	300	250	250
300	300	300	250	250	250
300	300	250	250	250	200

Guidelines. Please visit an authorized Victory Archery dealer for proper fitting.

Stiffer spine 80 GR Point - If your draw length and bow poundage falls on the edge of a spine with an 80 GR point choose the weaker spine

Safety First

INSPECT ARROWS FOR DAMAGE PRIOR TO EVERY SHOT

Impact with hard objects, other arrows or being shot into a game animal can all cause damage. We recommend flexing each arrow and inspecting for any sign of cracks or splits before each use. Grasp the arrow between the point and nock. Flex the arrow, away from you or others, along its length so as to deflect it approximately 1 to 2" in an arc and listen for cracking. Never use an arrow with any sign of damage. A cracked or split arrow can suffer catastrophic failure upon release and cause severe injury to yourself or others in the area.



Flex before shooting
victoryarchery.com/safety

Victory Archery Safety Warning

Victory Archery is committed to safe archery. Archery/hunting requires a high level of skill and caution at all times to avoid personal injury or property damage. Victory Arrows should only be used by those trained in the proper use of bows and arrows or under the supervision of a qualified instructor.

Arrows should always be inspected before each use for signs of damage. Impact with hard objects, other arrows or being shot into a game animal can all cause damage. We recommend flexing each arrow and inspecting for any sign of cracks or splits before each use. Grasp the arrow between the point and nock, flex the arrow along its length so as to deflect it approximately 1 to 2" in an arc and listen for cracking. Never use an arrow with any sign of damage. A cracked or split arrow can suffer catastrophic failure upon release and cause severe injury to yourself or others in the area.

Practice Safe Archery

After loading an arrow into a bow, never point at any person or property. An arrow can be accidentally discharged and cause severe injury and property damage.

Never shoot an arrow without having full visual contact with the target and knowing what is behind the target.

Always inspect your bow, arrows and components prior to each use.

VAP™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VAP 250	0.166	0.245	30.5	0.250	9.7
VAP 300	0.166	0.239	30.5	0.300	8.9
VAP 350	0.166	0.232	30.5	0.350	8.1
VAP 400	0.166	0.227	30.5	0.400	7.1
VAP 450	0.166	0.224	30.5	0.450	6.8
VAP 500	0.166	0.218	30.5	0.500	6.1
VAP 600	0.166	0.214	30.5	0.600	5.5
VAP 700	0.166	0.215	30.5	0.700	5.7
VAP 800	0.166	0.213	30.5	0.800	5.1
VAP 900	0.166	0.213	30.5	0.900	5.6
VAP 1000	0.166	0.210	30.5	0.1000	5.2

Hunting Spines

Component	Part#	Weight
	ACVAPPT	80-100-120 gr
	ACNFN	6 gr
	ACVAPPB	12 gr
	ACNPIN	3 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

Penetrator² Insert Selection Chart

Color	Insert	Spine
Yellow		250 300 300 with Camo 350 with Camo
Orange		350 400 with Camo 450 with Camo
Green		400 450 500 500 with Camo

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VForce™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VForce 300	0.245	0.304	31.0	0.300	9.8
VForce 350	0.245	0.298	31.0	0.350	8.7
VForce 400	0.245	0.295	31.0	0.400	8.0
VForce 500	0.245	0.289	31.0	0.500	7.2
VForce 600	0.245	0.287	31.0	0.600	6.7

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

Camo Edition Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VForce 300	0.245	0.304	31.0	0.300	10.3
VForce 350	0.245	0.298	31.0	0.350	9.2
VForce 400	0.245	0.295	31.0	0.400	8.5
VForce 500	0.245	0.289	31.0	0.500	7.7
VAP 250	0.166	0.245	30.5	0.250	10.2
VAP 300	0.166	0.239	30.5	0.300	9.4
VAP 350	0.166	0.232	30.5	0.350	8.6
VAP 400	0.166	0.227	30.5	0.400	7.6
VAP 450	0.166	0.224	30.5	0.450	7.3
VAP 500	0.166	0.218	30.5	0.500	6.6

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

VForce Components

Penetrator² Insert Selection Chart

Color	Insert	Spine
Yellow		250
		300
		300 with Camo
		350 with Camo
Orange		350
		400 with Camo
		450 with Camo
Green		400
		450
		500
		500 with Camo

VAP Components

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VAP™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VAP 250	0.166	0.245	30.5	0.250	9.7
VAP 300	0.166	0.239	30.5	0.300	8.9
VAP 350	0.166	0.232	30.5	0.350	8.1
VAP 400	0.166	0.227	30.5	0.400	7.1
VAP 450	0.166	0.224	30.5	0.450	6.8
VAP 500	0.166	0.218	30.5	0.500	6.1
VAP 600	0.166	0.214	30.5	0.600	5.5
VAP 700	0.166	0.215	30.5	0.700	5.7
VAP 800	0.166	0.213	30.5	0.800	5.1
VAP 900	0.166	0.213	30.5	0.900	5.6
VAP 1000	0.166	0.210	30.5	0.1000	5.2

Component	Part#	Weight
	ACVAPPT	80-100-120 gr
	ACNFN	6 gr
	ACVAPPB	12 gr
	ACNPIN	3 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

VForce™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VForce 300	0.245	0.304	31.0	0.300	9.8
VForce 350	0.245	0.298	31.0	0.350	8.7
VForce 400	0.245	0.295	31.0	0.400	8.0
VForce 500	0.245	0.289	31.0	0.500	7.2
VForce 600	0.245	0.287	31.0	0.600	6.7

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

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Victory Ares™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
Victory Ares	0.245	0.289	29.0	0.500	7.2

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

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Victory Venus™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
Victory Venus	0.245	0.287	29.0	0.600	6.7

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

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X-Ringer™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
X-Ringer 250	0.345	0.386	30.0	0.250	8.8
X-Ringer 350	0.345	0.380	30.0	0.350	7.4
X-RingerHV 250	0.345	0.377	30.0	0.250	6.8
X-RingerHV 350	0.345	0.372	30.0	0.350	6.2

Component	Part#	Weight
	ACI345	43 gr
	ACXRPT	80-100 gr
	ACXRPB	15 gr
	ACNPIN	3 gr
	AXATPXR	50 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

COMPONENTS

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VX-22™, X-Killer™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VX-22	0.300	0.344	31.0	0.300	8.7
VX-22HV	0.300	0.338	31.0	0.300	7.5
X-Killer	0.383	0.421	31.0	0.200	9.5

Component	Part#	Weight
	ACI300	27 gr
	ACVXPT	80-100
	ACVXPB	12 gr
	ACNPIN	3 gr
	ACVXATP	50 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

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VX-23™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VX-23 300	0.325	0.365	31.0	0.300	8.0
VX-23 350	0.325	0.362	31.0	0.350	7.5
VX-23 400	0.325	0.360	31.0	0.400	7.2

Component	Part#	Weight
	ACI325	
	ACVX23PT	80-100-120-150-180
	ACVX23PB	12 gr
	ANPIN	3 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

VAP VooDoo™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Overall Weight
VAP VooDoo 24"	0.166	0.238	24.0	0.300	310grains
VAP VooDoo 22"	0.166	0.238	22.0	0.300	340grains
VAP VooDoo 20"	0.166	0.238	20.0	0.300	325grains

Note. Overall Weight does not include field point or broadhead weight.

COMPONENTS

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XBolt™ Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
X-Bolt-20	0.300	0.344	20.0	N/A	8.7
X-Bolt-22	0.300	0.344	22.0	N/A	8.7

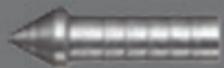
Component	Part#	Weight
	ACI345	43 gr
	ACXRPT	80-100 gr
	ACXRPB	15 gr
	ACNPIN	3 gr
	AXATPXR	50 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

COMPOONENTS

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Pink Arrow Specifications

Model	Inside Dia.	Outside Dia.	Length	Spine	Grains Per Inch
VAP 350	0.166	0.232	30.5	0.350	8.1
VAP 400	0.166	0.227	30.5	0.400	7.1
VAP 450	0.166	0.224	30.5	0.450	6.8
VAP 500	0.166	0.218	30.5	0.500	6.1
VForce 350	0.245	0.298	31.0	0.350	8.7
VForce 400	0.245	0.295	31.0	0.400	8.0
VForce 500	0.245	0.289	31.0	0.500	7.2
VForce 600	0.245	0.287	31.0	0.600	6.7
Pink X-Bolt	0.300	0.344	20.0	N/A	8.7

Component	Part#	Weight
	ACI245	12 gr
	ACI245SS	33 gr
	ACN245	9 gr
	ACVFPB	11 gr
	ACNPIN	3 gr
	ACVFATP	50 gr
	ACGIP	70 gr
	ACVFPT	80-100 gr
	AC20FP	85-100-125
	AC22FP	85-100-125
	ACEP	85-100-125

VForce Components

Penetrator² Insert Selection Chart

Color	Insert	Spine
Yellow		250 300 300 with Camo 350 with Camo
Orange		350 400 with Camo 450 with Camo
Green		400 450 500 500 with Camo

VAP Components

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STANMOPJWOD
COMPONENTS

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