



BLACK

2022 PRODUCT GUIDE

WIN&WIN BLACK TECHNOLOGY

CARBON TECHNOLOGY



Carbon "nano-materials", "nanotube", "graphite" and "nanofiber" are true 21st century materials. They can be made as small as 1/10,000th of a human hair, and have superior mechanical, chemical, physical and magnetic properties. High-tech engineering creates the best carbon material mixture for WIN&WIN bows, improving product quality and gaining archers' confidence. Scientists believe nano-materials are the building blocks for the next generation of engineering.

CARBON STABILITY



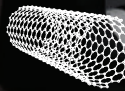
Our carbon risers improve dampening, absorb shock and help control torque during shooting. WIN&WIN Black bows combine the best quality modern carbon materials with high-tech tooling and efficient molding methods. Our engineers had in mind to deliver the best equipment with the minimal weight in your hand.

CARBON RISER



All riser is designed to stay straight and stable, minimizing torque through the bow during shooting. Its multi-axial carbon pattern prevents riser and limbs from twisting and reduces unnecessary movement as an arrow is shot. This special carbon pattern also helps absorb vibration and shock quickly.

BLP-COMPOSITE



BLP-Composite is additional nano technology. This adjustment made at the molecular level, significantly strengthens and enhances the stability of the overall carbon matrix.

HIGH PERFORMANCE FORGED ALUMINIUM RISER



The precision forging machines are manufactured using modern technology adhering to the international standards. We can also provide these automotive forging machines in customized variations for our customers at competitive prices. Forged aluminum and machined with a CNC, it significantly increases stability and accuracy in shooting. The forged riser has improved tensile strength by 30% over normal solid aluminum risers.

EXTREME DURABILITY



The precision forging machines are manufactured using modern technology adhering to the international standards. We can also provide these automotive forging machines in customized variations for our customers at competitive prices. Forged aluminum and machined with a CNC, it significantly increases stability and accuracy in shooting. The forged riser has improved tensile strength by 30% over normal solid aluminum risers.

T6 HEAT TREATMENT



T6 heat treatment raises the tensile strength and elastic modulus of WIN&WIN aluminum risers, making them resilient to intense shock.

DUAL RF SHOCK STOPPER



WIN&WIN new Dual RF Shock Stopper is made from an absorbent rubber material called Sorbaflex that nearly eliminates vibration and controls poor string movement as the arrow is shot. This is the most efficient small anti-vibration device for your compound bow!

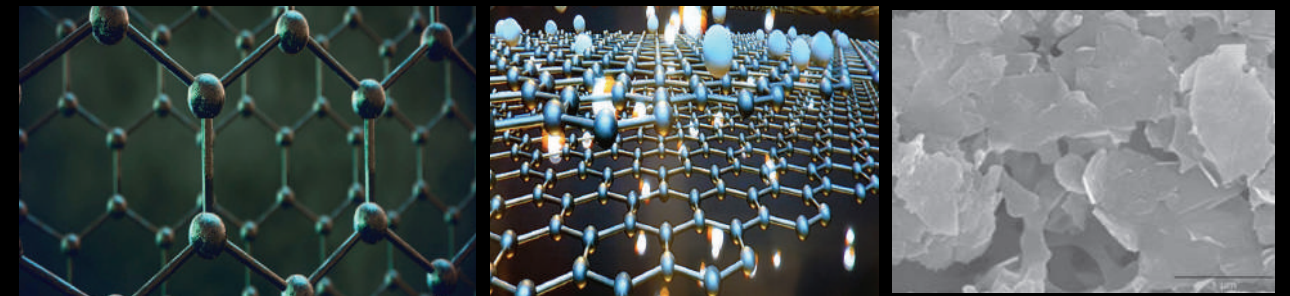
Maximizing properties of carbon with applying a high tech nano graphene



GRAPHENE
NANO CARBON TECH

Graphene is the material to have won the Nobel Prize and is referred 'the material of dreams'. It is lighter than wood, stronger than diamond as well as the smallest material that mankind has ever discovered. Based on the development of these graphene-applied carbon prepreg,

WIAWIS was able to develop stronger, more accurate and more durable bows by maximizing the performance of the carbon.



The best high-tech materials are developed and used by WIAWIS as its own unique technology to optimize bow performance.

Self-development and production of materials optimized a bow

The quality of carbon prepreg has a direct affect on bow performance. WIAWIS carried out detailed studies on various factors that would affect bow performance, such as: accuracy; rigidity; rebound force (modulus); durability; shock; vibration absorption etc. The studies enabled development of high quality nano carbon prepreg, designed and optimized specifically for the bow. It is used today in the manufacturer production of our bows.

WIN&WIN BLACK INNOVATION

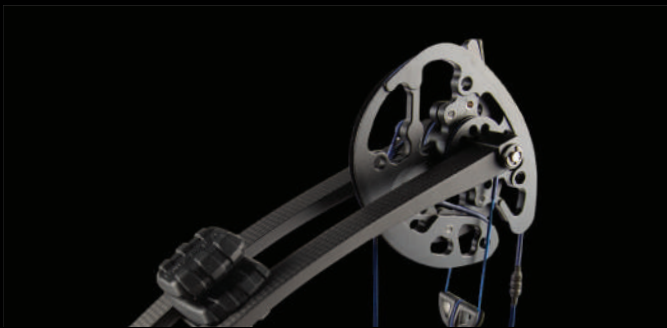
DUALSYNC CAM SYSTEM

This patented cam system has effectively eliminated all of the 2 cam issues and resulted in a cam system that is less critical and more efficient than any other hybrid cam system to date. US Pat# 6,990,970 B1



D CAM

The newly developed D Cam is designed to deliver high speed with silence. The smooth and fast D Cam offers the highest level of performance on 3D and hunting bows. The cam system allows you to change the draw length by simply changing a mod. The new D Cam is available in 70, 75, 80, and 85 let-off options with adjustable Draw Stop Tabs.

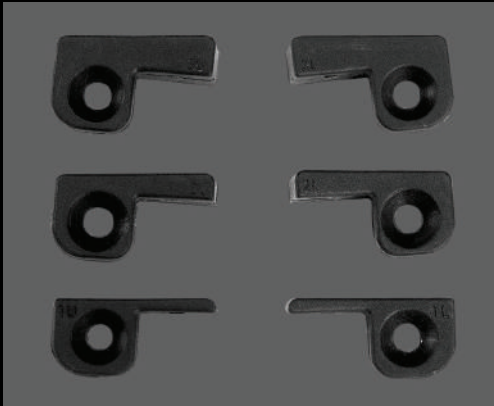


DX CAM

The new DX Cam is optimized for outstanding performance on target bows. The DX Cam delivers incredible accuracy with smooth draw to give you the perfect arrow flight. The cam system allows you to change the draw length by simply changing a mod. The new DX Cam is available in 65, 70, 75, and 80 let-off options with the adjustable Draw Stop Tabs.

DRAW STOP TABS

Tabs can be switched to increase or reduce let off in 5% increments.



LIMB POCKET

The rigid and stable design of the limb pocket allows for stable attachment of the limbs. Its design minimizes the impact at release and greatly reduces noise as well as vibration.



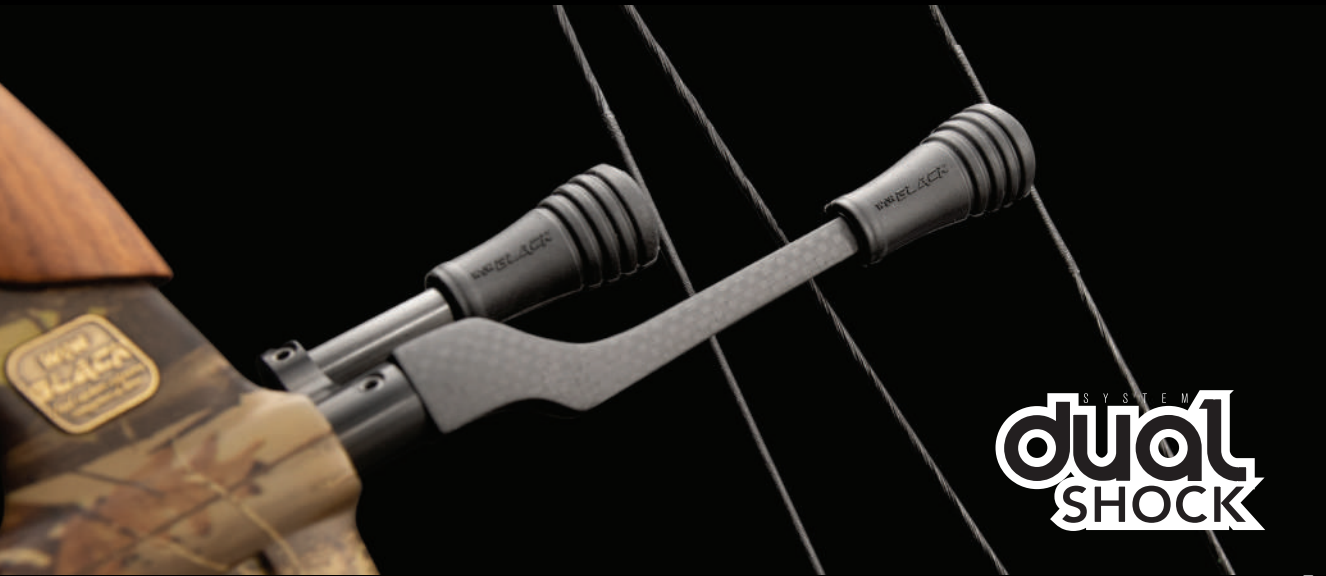
LIMB DAMPER

Designed to be used with limbs to effectively suppress impact at release. By moving it along the limbs, it makes it possible to adjust the weight balance of the bow.



DUAL SHOCK DAMPER

In addition to absorbing the shock at the time of shooting, it absorbs the direct impact, providing excellent stability in shooting.



WINBLACK BOW COLLECTIONS - **HUNTING**

WINBLACK BOW COLLECTIONS - **TARGET**



HURRICANE D 31



SHADOW D 36



BLACK WOLF



BLACK ELK



ARION DX



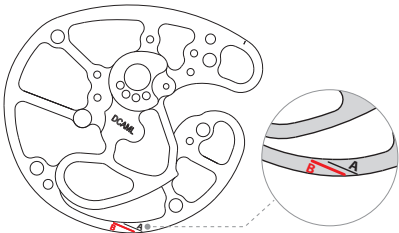
SHADOW DX 36



Evolution Beyond Imagination

HURRICANE D

Made from pure carbon, WIN&WIN's Hurricane D represent the pinnacle of nano carbon technology. The Hurricane D is the perfect bow for hunting. Featuring an incredible arrow speed of 337 and a brace height of 7 1/8", you will make the experience of a light as well as a forgiving compound bow. The Hurricane D comes with the Dualsync cam system especially offers the best performance for the speed and silence.



*The cam timing of Hurricane D should be position B

LH
RH

Axle to Axle:
31"

IBO Speed	337 fps/s
Mass Weight	4.14 Lbs
Axle to Axle	31 1/4"
Brace Height	7 1/8"
Draw Lengths	26 1/4"-31 1/8" With D cam
Draw Weight	40, 50, 60, 70 lbs

AVAILABLE COLORS



REAL CARBON
CAMO NEXT

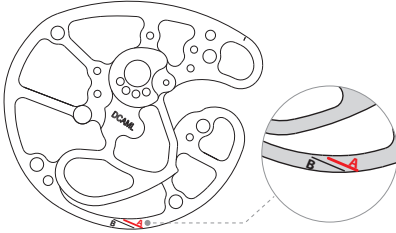


THIS VERSATILE BOW IS THE
PERFECT CHOICE FOR ANY
SERIOUS HUNTER

ULTRA LIGHT CARBON BOW

SHADOW D

WIN&WIN BLACK SHADOW D gets all the benefits from our world famous recurve technology. Made to maximize the properties of carbon, the carbon riser minimizes unnecessary limb movement when an arrow is released. This makes shooting far more stable and efficient by lessening the wasted energy lost as vibration. The Shadow D also features the new D cam which helps you in setting your draw length perfectly.



*The cam timing of Shadow D should be position A

LH
RH

Axle to Axle:
36"

IBO Speed	330 fps/s
Mass Weight	4.32 lbs
Axle to Axle	35 3/4"
Brace Height	7 1/2"
Draw Lengths	27 7/8- 32 7/8" With D cam
Draw Weight	40, 50, 60, 70 lbs

AVAILABLE COLORS



THE POWER OF
LIGHTNESS

Leading The Way In Recurve Technology

Black Wolf

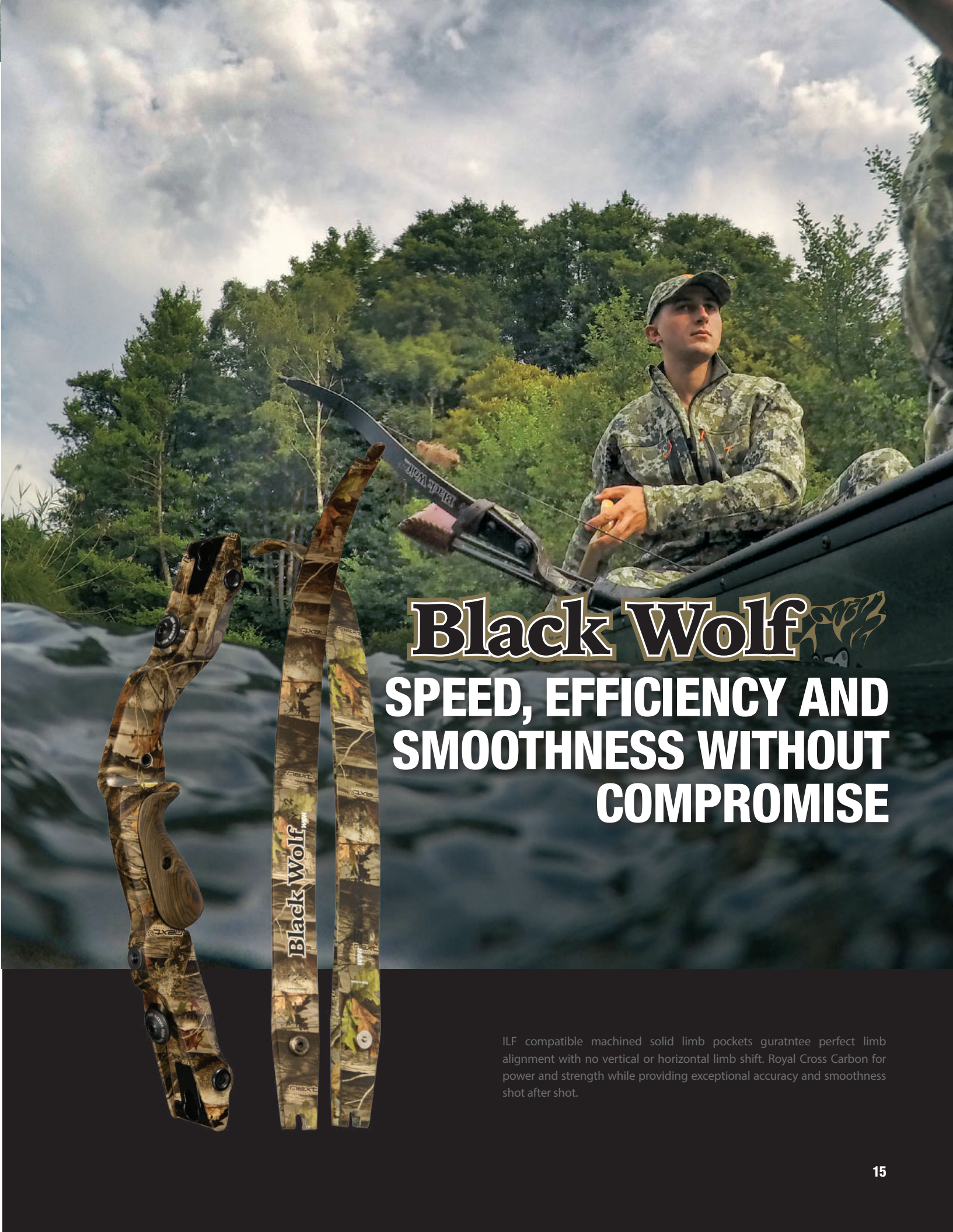


WIN&WIN Archery manufacture recurve bows for a world of champions, where every archer in every nation strives for perfection since 1980. BLACK WOLF series makes no exception and gathers both WIN&WIN BLACK heritage and experience in building recurve bows for hunting, without sacrificing maneuverability. Black Wolf recurve was the ultimate traditional recurve bow with 17” carbon riser paired with all WIN&WIN limbs.



Mass Weight	2.5 lbs / 1.7 kg
Bow Length	58-60-62”
Riser Length	17”
Available Weight	35 to 65 lbs

AVAILABLE COLORS



Black Wolf

SPEED, EFFICIENCY AND SMOOTHNESS WITHOUT COMPROMISE

ILF compatible machined solid limb pockets guratntee perfect limb alignment with no vertical or horizontal limb shift. Royal Cross Carbon for power and strength while providing exceptional accuracy and smoothness shot after shot.

ILF TAKE-DOWN RECURVE BOW

Black Elk



The BLACK ELK will give you all the benefits of an aluminium manufactured, comfortable and durable 21” riser. A very high quality wood grip prevents slipping from your hands. The BLACK ELK built with the WIN&WIN ILF (International Limb Fitting) design for optimum accuracy. The poundage can be set within a range of +/- 5% from the limbs used. The BLACK ELK recurve is the perfect solution for recurve shooters who want a high-performance bow at an entry level price.

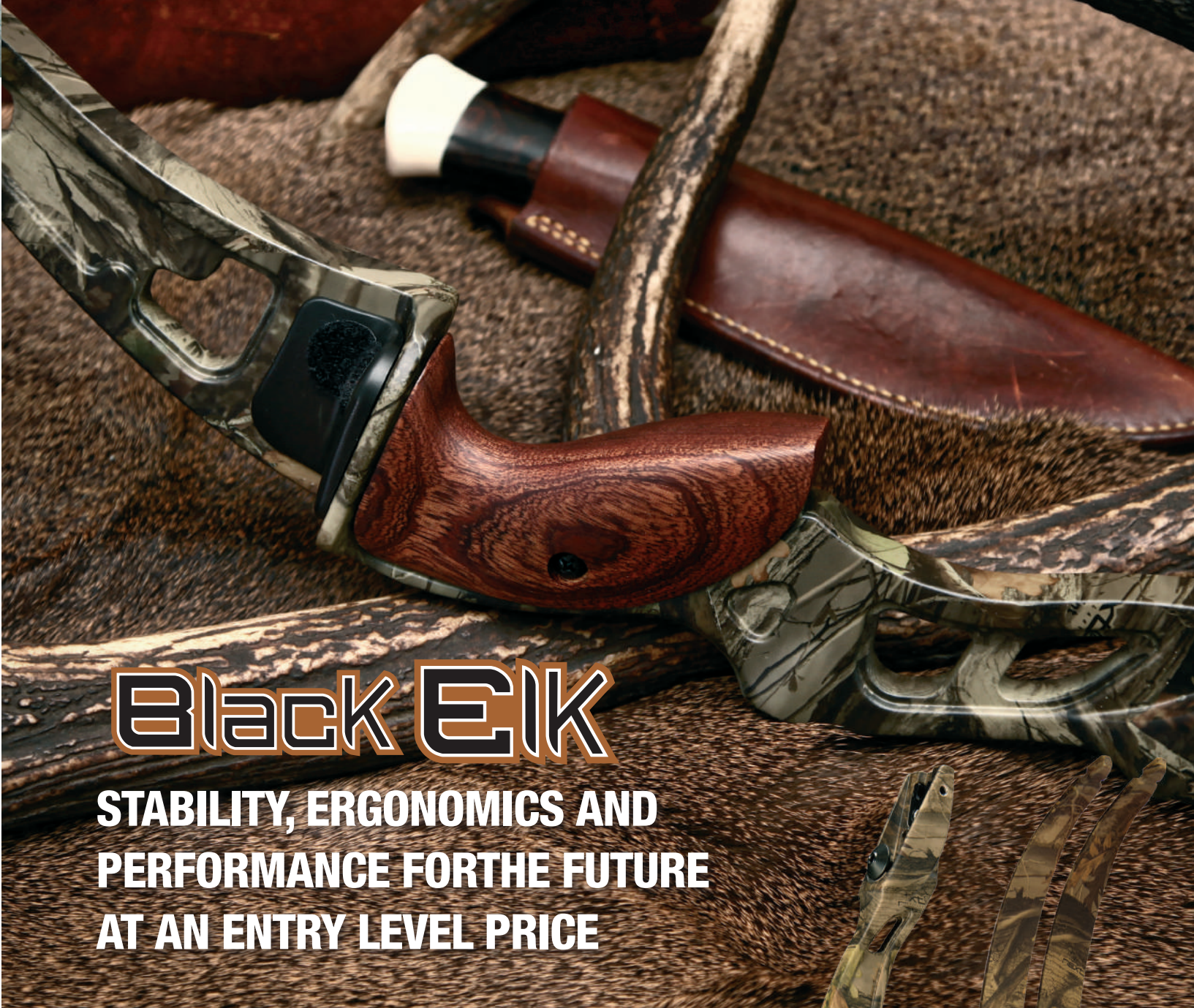


Mass Weight	2.2 lbs / 1 kg
Bow Length	62”
Riser Length	21”
Available Weight	35 to 65 lbs

AVAILABLE COLORS



BRONZE OD GREEN REAL CARBON CAMO NEXT



Black Elk

STABILITY, ERGONOMICS AND
PERFORMANCE FORTHE FUTURE
AT AN ENTRY LEVEL PRICE



* For bowhunting or 3D competition in some classes, a plastic rest pads was included for center-shot tuning



TAKE-DOWN RECURVE LIMB

PANTHER

Panther Limbs are on the same top level as Black Wolf, however it offers smoother draw to achieve the perfect and effective shooting.

Limbs Length	66, 68, 70"
Available Weight	35 to 65 lbs

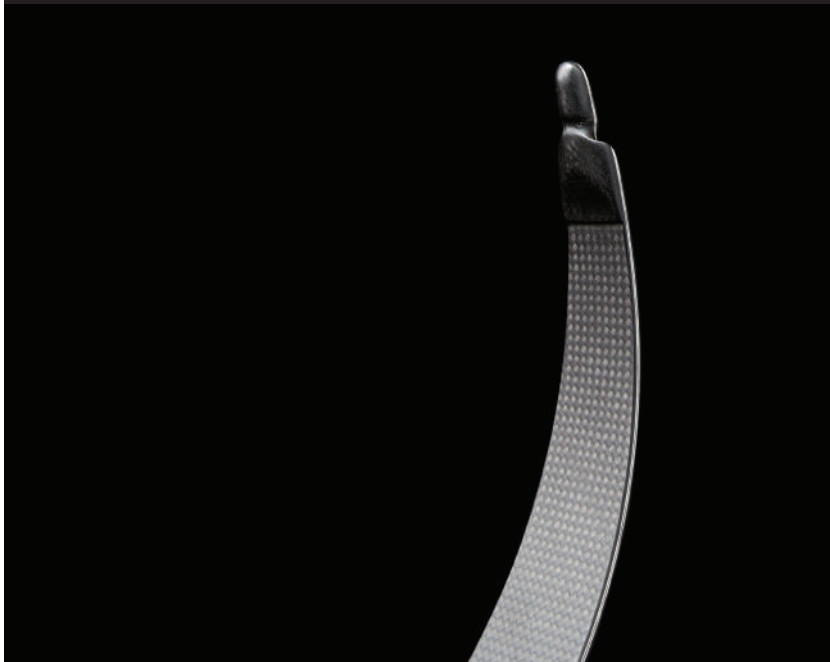
AVAILABLE COLORS



BLACK



CAMO
NEXT



NEW CARBON BRIDGE WAS BORN

ARION DX

ARION DX compound bow reinforced a part of the sight window by using graphene ‘EX Supporter’. It decreases shooting shock and vibration transferred to a handle at the moment of shooting by approximately 20% compared to ordinary compound bows and increases accuracy and stability.

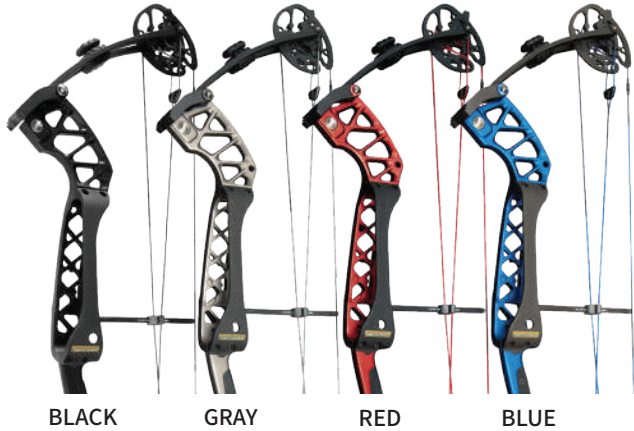
In addition, bidirectional 45 degrees holes on a surface prevents from twisting and provides more shooting stability by reducing bow torque and improving the overall balance of the riser during shooting.

LH
RH

Axle to Axle:
40”

IBO Speed	325 fps/s
Mass Weight	5.14 Lbs
Axle to Axle	40 3/8”
Brace Height	7 5/8”
Draw Lengths	26 3/4 - 32 3/4 With DX cam
Draw Weight	40, 50, 60, 70 lbs

AVAILABLE COLORS



BLACK GRAY RED BLUE



* Three additional grips included



ARION DX GRIP

Three additional grips have been added to match your shooting style to provide better stability and accuracy. The additional grips come in 0, 4, and 8 degrees variants that are easily swappable.

THE BEST CARBON BOW FOR COMPETITION

SHADOW DX

WIN&WIN BLACK SHADOW DX gets all the benefits from our world famous recurve technology. Made to maximize the properties of carbon, the carbon riser minimizes unnecessary limb movement when an arrow is released. This makes shooting far more stable and efficient by lessening the wasted energy lost as vibration. The Shadow DX also features the new DX cam which helps you in setting your draw length perfectly.

LH
RH

Axle to Axle:
36"

IBO Speed	320 fps/s
Mass Weight	4.19 lbs
Axle to Axle	36 1/4"
Brace Height	7 3/8"
Draw Lengths	25 5/8 -31 1/2 With DX cam
Draw Weight	40, 50, 60, 70 lbs

AVAILABLE COLORS



THIS VERSATILE BOW IS THE PERFECT CHOICE FOR ANY SERIOUS HUNTER

BOW SPEC CHART

Model	Axle to Axle	IBO SPEED	Draw length	Mass Weight	Brace Height	Weit Range	Let Off(DX cam)				Let Off(D cam)			
							No.	Tap1	Tap2	Tap3	No.	Tap1	Tap2	Tap3
ARION DX	40 3/8"	325 fps/s	26 3/4"-32 3/4"	5.14 lbs	7 5/8"	40-50-60-70	80%	75%	70%	65%	×	×	×	×
SHADOW DX	36 1/4"	320 fps/s	25 5/8"-31 1/2"	4.19 lbs	7 3/8"	40-50-60-70	80%	75%	70%	65%	×	×	×	×
SHADOW D	35 3/4"	330 fps/s	27 7/8"-32 7/8"	4.32 lbs	7 1/2"	40-50-60-70	×	×	×	×	85%	80%	75%	70%
HURRICANE D	31 1/4"	337 fps/s	26 1/4"-31 1/8"	4.14 lbs	7 1/8"	40-50-60-70	×	×	×	×	85%	80%	75%	70%

STRING SPEC

	String	Cable	Y Cable
ARION DX	65 3/4"	37 11/16"	14 1/2"
SHADOW DX	61 3/8"	33 11/16"	14 1/2"
SHADOW D	62 1/2"	34 1/2"	14"
HURRICANE D	58 3/8"	29 1/2"	14"

Draw Lengths L1 Cam	DX Cam (Tap NO.2/Let Off 70%)												
Module No.	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7
Model	DRAW LENGTH												
ARION DX	26 3/4	27 1/4	27 3/4	28 1/4	28 3/4	29 1/4	29 3/4	30 1/4	30 3/4	31 1/4	31 3/4	32 1/4	32 3/4
Shadow DX	25 5/8	26 1/8	26 5/8	27 1/8	27 5/8	28 1/8	28 5/8	29	29 1/2	29 7/8	30 3/8	31	31 1/2

Draw Lengths L1 Cam	D Cam (Tap NO.1/Let Off 80%)											
Module No.	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	
Model	DRAW LENGTH											
Shadow D	27 7/8	28 3/8	28 7/8	29 3/8	29 7/8	30 3/8	30 7/8	31 3/8	31 7/8	32 3/8	32 7/8	
Hurricane D	26 1/4	26 3/4	27 1/4	27 3/4	28 1/8	28 5/8	29 1/8	29 5/8	30 1/8	30 5/8	31 1/8	



2022 WIN&WIN BLACK ACCESSORIES

STABILIZER
WEIGHT
WRENCH
V-BAR

STRING
CABLE GUIDE
DAMPER
APPAREL



ACS EL



▲
1 HEAD
1 BOTTOM
FLAT
INCLUDED

SHORT

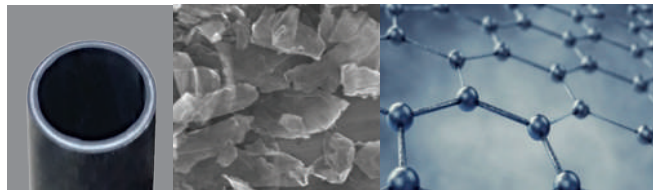
SPECIFICATION

LONG ROD LENGTH	26 inches (165g)	28 inches (168g)
	30 inches (171g)	32 inches (176g)
SHORT ROD LENGTH	10 inches (74g)	11 inches (77g)
	12 inches (80g)	14 inches (84g)
	15 inches (86g)	
EXTENDER ROD LENGTH	3 inches (55g)	4 inches (60g)
	5 inches (65g)	6 inches (70g)

Stabilizers require to be strong and rigid to suppress bow torque during shooting. They have been designed and manufactured to effectively reduce the impact and vibration generated during shooting.

The ACS-EL stabilizer uses high-tech materials such as graphene carbon to improves stiffness and stability.

The design is also maximises performance through WIAWIS's unique carbon pattern tapered structure design.



ACS 15



▲
1 HEAD
1 BOTTOM
FLAT
INCLUDED

SHORT

SPECIFICATION

LONG ROD LENGTH	26 inches (200g)	28 inches (210g)
	30 inches (220g)	32 inches (230g)
SHORT ROD LENGTH	10 inches (109g)	11 inches (112g)
	12 inches (115g)	14 inches (124g)
	15 inches (125g)	
EXTENDER ROD LENGTH	3 inches (65g)	4 inches (80g)
	5 inches (90g)	6 inches (100g)

COLORS



S 21



▲
1 HEAD
1 BOTTOM
FLAT
INCLUDED

SHORT

SPECIFICATION

LONG ROD LENGTH	26 inches (140g)	28 inches (150g)
	30 inches (155g)	32 inches (160g)
SHORT ROD LENGTH	10 inches (85g)	11 inches (90g)
	12 inches (95g)	14 inches (100g)
	15 inches (105g)	
EXTENDER ROD LENGTH	3 inches (60g)	4 inches (75g)
	5 inches (85g)	6 inches (90g)

COLORS



DISC COLOR WEIGHT

WIAWIS DISC COLOR weight products are made in three weights and four colors. It was designed to allow archers to set their own weight and color freely.

In order to apply both 1 / 4-20 and 5 / 16-24 threaded parts to the bows, Three types of screws are included below.

WEIGHT



COLORS



WEIGHT 20 g / 40 g / 60 g

*INCLUDED SCREWS

- 40mm screw	5/16-24		
- 23mm screw	5/16-24		1/4-20
- 20mm screw	5/16-24		

SPANNER WRENCH

This tool is designed to help effectively tighten or loosen the WIAWIS stabilizers. 5mm and 4mm Allen wrenches are included in this spanner, replacing your existing tools. Simply carry this one tool for all your stabilizer needs. WIAWIS SPANNER Wrench can also be used for non-WIN&WIN products as long as there is a hole in the end-cap of the stabilizer.



CX SV V-BAR

Effectively reducing shock and vibration with simple design of single side adjustable V-bar, which takes advantage of the carbon material.



WEIGHT	136 g
COLORS	BLACK

CX DV V-BAR

Adjustable V-bar that effectively reduces the shock and vibration by using carbon material and damper set on the opposite side. It's degree adjustment makes it possible to set up for any archer.



WEIGHT	182 g
COLORS	BLACK

COMPOUND BOW STRING/CABLE SET

It is a string and cable set that minimizes error through accurate length making and delicate serving of the length of Win Black's compound, selecting an element material suitable for the performance of the compound bow.

(String material : BCY-X, Serving material : Angel)



DX CAM

The new DX Cam is optimized for outstanding performance on target bows. The DX Cam delivers incredible accuracy with smooth draw to give you the perfect arrow flight. The cam system allows you to change the draw length by simply changing a mod. The new DX Cam is available in 65, 70, 75, and 80 let-off options with the adjustable Draw Stop Tabs.



D CAM

The new D cam is designed for high speed and silence. The smooth and fast D Cam makes it possible to offer the highest performance on 3D & hunting bows. The cam system allows you to change draw length with the simple change of a mod. The new D cam is available in 70, 75, 80, and 85 let-off options with the adjustable Draw Stop Tabs.



CARBON CABLE GUIDE

It is designed for smooth movement of cable slides in drawing and to allow constant shooting with the movement of accurate guides. The mounting of the guide also has an angle adjustment function, which allows for adjustment to suit the setting according to each situation.



WEIGHT	7 g
COLORS	BLACK

CABLE SLIDE

WIN&WIN BLACK Bearing Cable Slide
It is a product specially designed that can facilitate the movement of strings and cables. (4 Bearing)

WIN&WIN BLACK Cable Slide
It is a commonly used cable slide made of smooth material in string, cable and cable guard.



Bearing Cable Slide	
WEIGHT	20 g
COLORS	BLACK

Cable Slide	
WEIGHT	7 g
COLORS	GRAY

MULTI DAMPER

WIAWIS MULTI damper is designed to reduce vibration quickly caused by shocks during shooting and to reduce secondary vibrations after shooting from special material and strength of the damper.

It is also designed to be used with various types of bows such as up, long and short stabilizer and weight control dampers under the grip by using the screws of 1/4-20 and 5/16-24. The damper is available not only for recurve bow but also for compound bow.



LENGTH	38 mm	WEIGHT	48 g
COLORS	BLACK		

DUAL SHOCK DAMPER (A & B TYPE)

It improves the sense of shooting by quickly controlling the impact of the string and the cable during shooting.



A TYPE			
LENGTH	45 mm	WEIGHT	11 g
COLORS	BLACK		



B TYPE			
LENGTH	45 mm	WEIGHT	12 g
COLORS	BLACK		

LIMB DAMPER

It used with limbs that effectively suppresses the impact of shooting. By freely moving the location of the limb damper, it is possible to adjust the weight of the bow.



LENGTH	W37 xH46 mm	WEIGHT	40 g
COLORS	BLACK		

OFFICIAL ARCHER SHIRT



COLOR	Yellow
SIZE	S, M, L, XL, XXL

BALL CAPS



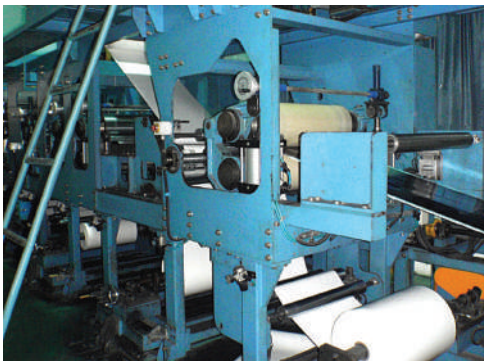
CAP 6

CAP 5
(CAMO)

NANO CARBON TECHNOLOGY

QUALITY DIFFERENTIATION

DESIGN, DEVELOPMENT AND PRODUCTION. ALL OF THESE PROCESSES ARE CONTROLLED BY WIN&WIN



THE DIFFERENCE OF NANO CARBON AND MATERIAL

WIAWIS uses the finest carbon fibers to produce high quality carbon preregs. WIAWIS makes nano carbon bows using preregs made by WIN&WIN. The quality of WIAWIS's nano carbon preregs are already proven by world class archers at the Olympic games.



WIAWIS did not hesitate to invest in advanced technology. We have accumulated a wide range of technology and know-how to make good products ranging from forging and heat treatment to aluminum technology, carbon prepreg manufacturing, and nano technology.





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