



Browning Archery Equipment

Browning Bows

For three generations Browning has produced sporting arms which have achieved wide recognition for handcrafting, precision engineering and utilization of the best materials available.

These ingredients are basic to the Company philosophy of not "How cheap and how many, but how good." Today this principle of *quality first* has been extended to the manufacture of Browning bows.

Bow research has proven that the recurve design contributes to increased velocity, smoother draw and minimal recoil and vibration; therefore Browning utilizes this design and supplements it with the latest technological advances in fiberglass and wood lamination. Browning bowyers assign specific shooting characteristics to a bow by the sequence and way the wood and fiberglass layers are combined and also by controlling the glass fiber structure itself. This composite construction is then carefully bonded by special adhesive agents under scientifically controlled heat and pressure. As a result, Browning bows have extreme resilience, great tensile strength and the stability and smoothness of draw essential to exceptional bow performance.

Master bowyers meticulously hand tiller each bow to achieve proper curvature and absolute balance between the two limbs as the bow is drawn and released.

The wood for the grip and riser, chosen for appearance as well as strength, is hand contoured and finished then further protected with durable coats of clear epoxy resin.

The archer may choose a Browning bow with features essential to best results in his chosen archery activity: extremely accurate target models with the smoothest of draw, short hunting bows that deliver high velocity and driving power, or bows with a blended combination of these features to suit the all-round archer.

All bows are offered in either left or right hand models; each is supplied with the finest multiple-strand Dacron string.

As with every Browning product, the Browning Arms Company fully guarantees every Browning bow to be free from defect in material or workmanship and will repair or replace, at no charge, any bow which our examination shall disclose to be defective. This guarantee presumes reasonable care of the bow by the owner and does not cover normal wear, misuse, neglect, or damage caused by accident.

Browning bows are serially numbered and permanently recorded. A warranty is enclosed with each bow and the owner's validating return card is registered in our offices.

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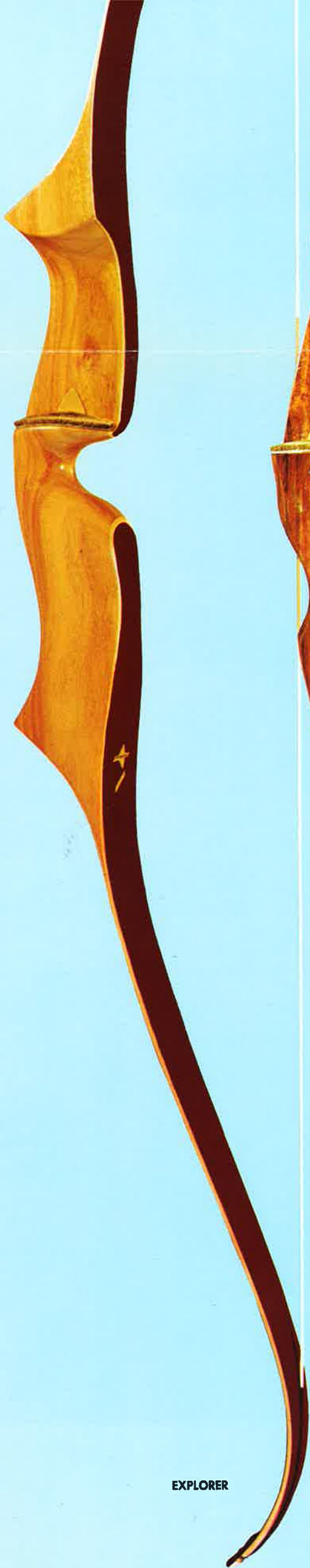
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FLAP FOR
FULL LENGTH
VIEW



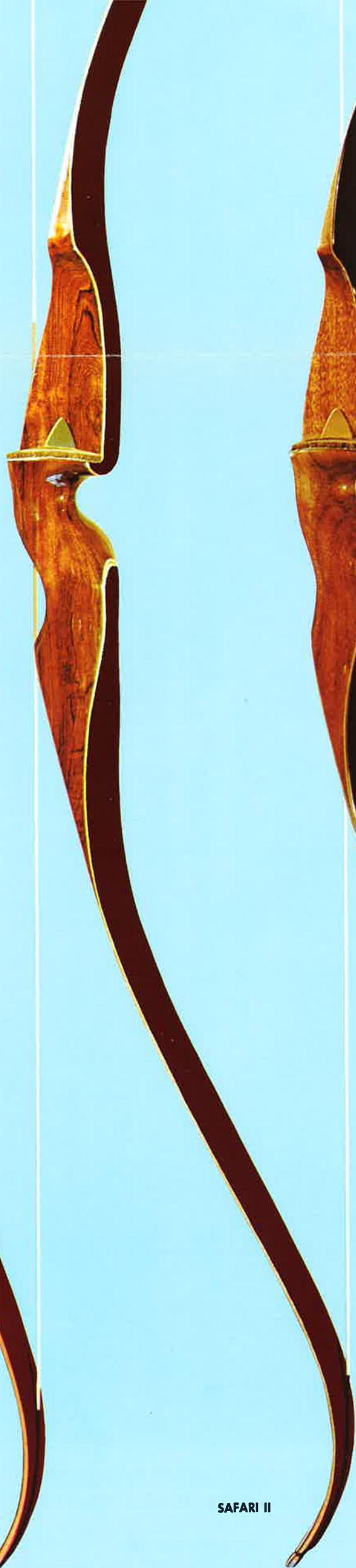
CHALLENGE



OLYMPIAN



EXPLORER



SAFARI II



NOMAD I

Challenge

The exceptional beauty and formidable performance of this bowyer's masterpiece will make you the envy of any tournament. The Challenge is the smoothest of full recurves with forward mass stabilizers to ensure precision accuracy and stability. Special laminations in the limbs include a core of tapered hardwoods faced and backed by all-white unidirectional fiberglass. The result is a bow having effortless draw, negligible recoil and stable performance under all shooting conditions.

The finest of rosewood is used in the handle riser section where its handsome grain structure is accented by a clear epoxy finish. The hand contoured full pistol grip with thumb rest assures maximum shooting ease and consistency in aiming. Matching hardwood overlays are used on the face of the bow as well as in the nock sections.

With every Challenge bow the following accessories are included as a part of its purchase price:

A rugged, handsome vinyl bow case, heavily padded, with a built in, 6 by 10 inch zippered accessory pocket.

A complete Browning Bow Sight and Browning No-Cant Reticle, a combination which is the ultimate in precision sighting equipment.

A Browning Bow Stringer, an accessory easy to use that will greatly facilitate stringing and minimize the possibility of inadvertent bow damage during the bracing operation.



Specifications:

	CHALLENGE		
	66"	68"	70"
Length.....	66"	68"	70"
Draw Weights.....	30 to 60 lbs.	30 to 60 lbs.	30 to 60 lbs.
Recommended Draw For Ideal Performance.....	24" to 31"	26" to 33"	28" to 35"
Draw Limit.....	None	None	None
Fistmele*.....	8"	8"	8"
String Length.....	60¼"	62¼"	64¼"
Sight Window Full Center Shot.....	7"	7½"	7¾"
Handle.....	Full stabilizer, full pistol grip with thumb rest		
Color of Bow: Back.....	<input type="text"/>	<input type="text"/>	<input type="text"/>
Face.....	<input type="text"/>	<input type="text"/>	<input type="text"/>

*Measured from deepest part of curve on face side of handle.

Olympian

The Olympian is a superb target bow for the most discriminating competition archer. It is constructed with forward mass stabilizers for a steady hold, and an extremely smooth draw and release. The Olympian is a fast, flat shooting bow and delivers exceptional accuracy.

Appearance and performance go hand in hand with this well designed bow. Its core is of select maple veneer laminated to a face and back of special fiberglass in which the majority of fibers run parallel to the axis of the bow. The entire handle riser section is made from handsome, richly grained hardwoods brilliantly finished and protected by an invisible shield of extremely durable epoxy resin. The rich grained wood accented by the ivory white fiberglass on the face and back, gives the Olympian a distinction that will draw admiration from the most discriminating shooter. The handle is a full pistol grip with comfortable thumbrest which guides the hand into an identical grip for every shot. Both instinctive and free style shooters will like its wide, full center shot sight window.

The Olympian is offered in a broad assortment of specifications to meet the preference of every archer.

Specifications:

	OLYMPIAN		
	66"	68"	70"
Length.....	66"	68"	70"
Draw Weights.....	30 to 60 lbs.	30 to 60 lbs.	30 to 60 lbs.
Recommended Draw For Ideal Performance.....	24" to 31"	26" to 33"	28" to 35"
Draw Limit.....	None	None	None
Fistmele*.....	8"	8"	8"
String Length.....	60¼"	62¼"	64¼"
Sight Window Full Center Shot.....	7"	7½"	7¾"
Handle.....	Full stabilizer, full pistol grip with thumb rest		
Color of Bow: Back.....	<input type="text"/>	<input type="text"/>	<input type="text"/>
Face.....	<input type="text"/>	<input type="text"/>	<input type="text"/>

Furnished with heavy, vinyl reinforced, nap lined bow bag.

Safari

For the serious hunter the incomparable Safari is available in two popular versions. The compact Safari I is only 54" long so it handles superbly in a blind or heavy brush. It has an abundance of power for quick, trophy-taking shots. Should slightly smoother shooting and longer range accuracy be the prime consideration, the hunter may prefer the 60" Safari II.







Both models feature similar wide, full working recurve limbs that drive the heavy hunting arrows with lightning like speed and accuracy. Both bows are laminated face and back, with reinforced brown fiberglass to blend well with natural surroundings. Dark toned hardwoods make up the handle riser which has a contoured, full pistol grip with thumbrest and wide center shot window. The bows are beautifully finished with a hard, clear epoxy resin.



Explorer

The Explorer is Browning's answer to the dedicated hunter who wants a powerful, smooth drawing hunting bow of stabilizer design. Forward mass stabilizers in the handle riser permit the steadiest aim and smoothest release possible for maximum game getting accuracy.

The combination of a forest green back with a brown face, both of unidirectional fiberglass, provides ideal camouflage as well as contrasting beauty to the selected hardwoods of the handle riser. The bow features a full pistol grip with thumbrest and center shot sight window.

Specifications:	SAFARI I	SAFARI II	EXPLORER
Length.....	54"	60"	62"
Draw Weights.....	35 to 70 lbs.	35 to 70 lbs.	35 to 70 lbs.
Recommended Draw For Ideal Performance....	24" to 30"	24" to 30"	24" to 30"
Draw Limit.....	None	None	None
Fistmele*.....	6¾"	8"	8"
String Length.....	49¾"	55"	56¾"
Sight Window Full Center Shot.....	5¼"	5¾"	5¾"
Handle.....	Full pistol grip with thumb rest		Full stabilizer, full pistol grip with thumb rest
Color of Bow: Back.....			
Face.....			

Furnished with heavy, vinyl reinforced, nap lined bow bag.

*Measured from deepest part of curve on face side of handle.

SAFARI I

EXPLORER

Nomad

Developed exclusively for the avid bow hunter, the Nomad is a powerful, high performance bow at a popular price. The limbs are made with two layers of choice maple veneer, laminated to unidirectional black fiberglass on the face and back of the bow. The handle riser features a contoured full pistol grip and a full center shot sight window for fast aiming. The bow is finished with weather proof scratch resistant epoxy resin.

This fine hunter is available in two potent versions. The 54" Nomad I is a stocky, stout limbed model for excellent maneuverability in heavy cover and it casts a hunting arrow with exceptional speed. The 60" Nomad II is a smooth shooting, muscular hunter with fine game-getting accuracy.

See page 15 of this brochure for details about the complete Nomad hunting set.



Apollo

The popular priced Apollo has the length most preferred by the versatile shooter — long enough for a smooth draw and release, yet not too long for hunting. Limbs are made from three layers of maple veneer, permanently bonded by special resins, laminated to a back and face of sandalwood and brown fiberglass. The handle riser is of selected hardwoods and is contoured with a full pistol grip and center shot sight window, and protected by a durable epoxy finish.

Specifications:	NOMAD I	NOMAD II	APOLLO
Length.....	54"	60"	66"
Draw Weights.....	35 to 65 lbs.	35 to 65 lbs.	30 to 60 lbs.
Recommended Draw			
For Ideal Performance.....	24" to 30"	24" to 30"	26" to 31"
Draw Limits.....	None	None	None
Fistmele*.....	6¾"	8"	7½"
String Length.....	49¾"	55"	61½"
Sight Window			
Full Center Shot.....	5¼"	5¾"	6¾"
Handle.....	Full pistol grip		
Color of Bow: Back.....	Black	Black	Red
Face.....	Black	Black	Yellow

Apollo furnished with heavy, vinyl reinforced, nap lined bow bag.

*Measured from deepest part of curve on face side of handle.

NOMAD II

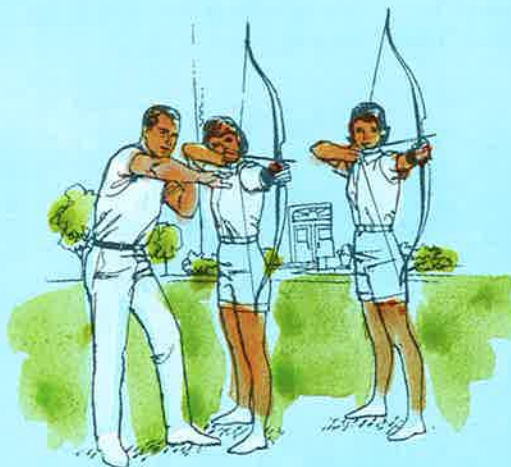
APOLLO

Medallion

Any archer, regardless of his experience or interests, will enjoy the fine shooting Medallion. It's ideal on the range and for all-family fun. The full recurve design provides an extremely fast cast, while retaining the smooth action desired by target archers.

As in our more expensive bows, the Medallion is made of laminated layers of maple veneer, bonded to unidirectional fiberglass. It is a light weight bow of exceptional strength and performance.

The handle riser is shaped from select hardwood, contoured to a full pistol grip with full center shot sight window, then polished and coated with epoxy resins for lasting beauty and protection.



Spartan

The Spartan bow is highly recommended for either the adult or older teen-ager who is just becoming acquainted with archery. It is also ideal for archery programs sponsored by schools, camps or commercial organizations.

The characteristics of the bow make it suitable for either target or field use, and its full recurve design assures a stability and accuracy not common in most beginner's tackle. The limbs are a composite of multiple layers of maple veneers and unidirectional fiberglass. Its design incorporates a semi-pistol grip and center shot sight window.

Specifications:

	MEDALLION	SPARTAN
Length.....	64"	62"
Draw Weights.....	30 to 55 lbs.	25 to 45 lbs.
Recommended Draw For Ideal Performance.....	24" to 29"	22" to 28"
Draw Limit.....	None	None
Fistmele*.....	7¼"	7¼"
String Length.....	59¾"	57½"
Sight Window Full Center Shot.....	6¼"	5"
Handle.....	Full pistol grip	Semi pistol grip
Color of Bow: Back.....		
Face.....		

*Measured from deepest part of curve on face side of handle.

MEDALLION

SPARTAN

Mohawk

The Mohawk is a scaled down adult's bow designed for the younger archer who wishes to enjoy the sport with good quality, yet relatively inexpensive tackle. The limbs are narrower and shorter than adult bows to facilitate use by junior archers, but the quality and craftsmanship are the same as in the adult equipment.

The handle is of semi-pistol grip design reduced in size to fit a junior's hand. Limbs are modern recurves, styled to provide good velocity with a smooth, pleasant draw. Any young shooter will find the Mohawk a superb bow to begin his or her enjoyment of archery. The Mohawk Bow is also available in a complete archery set. See page 15 of this brochure.



Apache

It is natural for a youngster to be extremely interested in those sports and hobbies enjoyed by his family. To encourage an interest in archery, it is best to begin with a quality bow such as the Browning Apache. This bow is designed especially for this purpose and is scaled to the small hands and muscles of the 6 to 10-year-old age group.

The Apache is a composite adult's bow in every respect save size. The limbs are of a semi-recurve design, with a core bonded to a face and back of strong fiberglass. The handle is a semi-pistol grip design with a center shot sight window. The Apache Bow is also available in a complete archery set. See page 15.

Specifications:

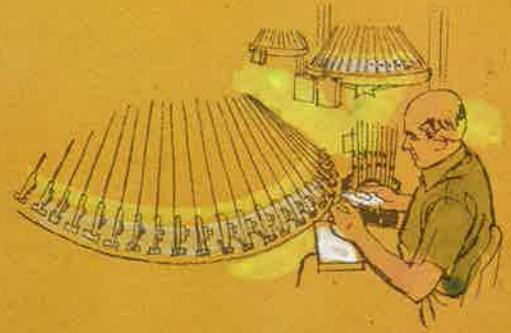
	MOHAWK	APACHE
Length.....	54"	48"
Draw Weights.....	25, 30 or 35 lbs.	15 or 20 lbs.
Recommended Draw For Ideal Performance.....	22" to 26"	20" to 24"
Draw Limit.....	None	28"
Fistmele*.....	6½"	6¼"
String Length.....	50½"	43"
Sight Window Full Center Shot.....	4½"	4½"
Handle.....	Semi pistol grip	Semi pistol grip
Color of Bow: Back.....	Random	Random
Face.....	Random	Random

MOHAWK

APACHE

*Measured from deepest part of curve on face side of handle.

Browning Arrows



BROWNING

Fiberglass Arrows

Browning Micro-Flite fiberglass arrows* are so exceptional in strength, durability and precision that they are the most preferred arrow by the all-round archer. Made of specially impregnated fiberglass cloth, they are formed individually on uniform mandrels. Heat and pressure are combined and scientifically controlled to produce a tubular fiberglass shaft which is perfectly straight, has absolute concentricity and is practically indestructible. These precision arrows have the weight advantages of aluminum, greater penetration capability than wood and will not bend, dent, corrode, or warp. As they are impervious to weather, their excellent flight characteristics are not subject to deterioration by age. All arrow sets are precisely matched in weight.

You can't deform or break a Micro-Flite fiberglass shaft even by shooting the arrow into a blank wall from reasonable distance. No other type arrow will withstand this treatment. That's why fiberglass outlasts all other arrows and why, in the long run, they are actually the least expensive to own.

BROWNING

Select Wood Arrows

Browning wooden arrows are handcrafted from Port Orford Cedar shafts which have been carefully sorted for straightness and uniform grain structure. Although heavier than fiberglass and aluminum, when properly matched with the bow these arrows have good penetration for hunting as well as fine accuracy for field or target shooting. They are spined and then matched to the close tolerance of 5 grains or less.

As a guard against moisture and weather changes, wooden arrows are covered with two protective coats of special lacquer. In addition, the fletched portion of the arrow is coated a glistening white. The same three-feather helical fletch used on aluminum and fiberglass is also carried on these arrows.

Fine quality Port Orford Cedar children's arrows are also offered.

BROWNING

Aluminum Arrows

Browning aluminum arrows are made from Easton XX75 aluminum shafts. When matched with Browning craftsmanship, the result is an arrow of absolute uniformity and exceptional flight characteristics.

Special jigs are used to precision align the three-feather helical fletch. Tough nitrate nocks and special steel points are streamlined to blend with hairline precision into the slender metal shafts.

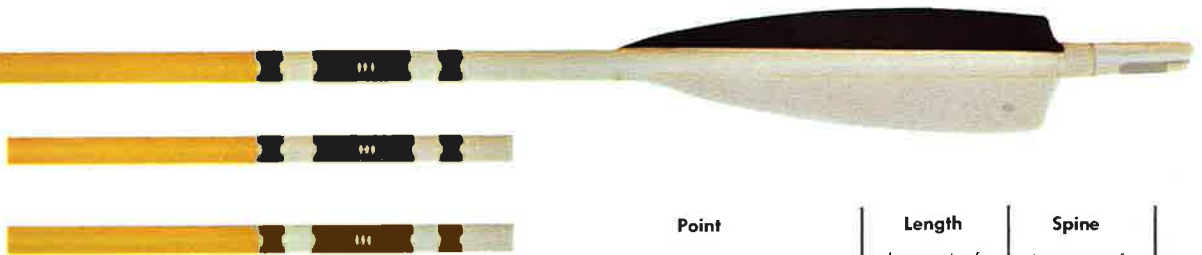
The shaftment section is beautifully hand crested over a smooth coat of white lacquer and the arrow is polished to a satin luster. All arrows are carefully spined and matched to within two grains in weight.

Aluminum arrows are somewhat more costly than those made of other materials, but for the target archer the additional cost is an investment in accuracy.

Have you ever heard of an arrow shooting machine? We designed one in the process of researching the aerodynamics of the arrow. It's a rather big and cumbersome machine but it removed all variables in our testing procedure. It shot literally thousands of arrows in which not the slightest variance existed in draw or release. Chronographs checked velocities and high speed cameras recorded flight irregularities until, ultimately, the cause of poor groupings and the requisites of true flight had been classified.

The results of this patient research have been combined with carefully trained craftsmen and stringent quality control to produce a line of arrows which we believe have outstanding flight characteristics. From the selection of the arrow shafts, which must meet the most rigid standards of straightness and uniformity, right through every step of fabrication, perfection is our objective.

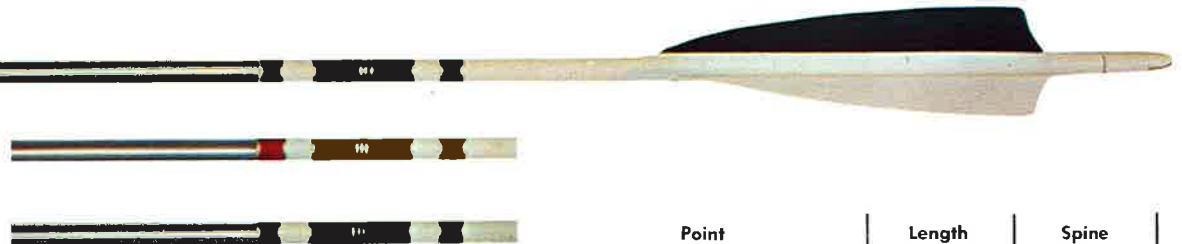
These Browning arrows are offered in our own Browning-Silaflex Micro-Flite fiberglass, Easton XX75 Aluminum and select Port Orford Cedar. They are made to complement the finest bow — the kind of equipment that presents no handicap to your own abilities.



Point	Length	Spine
	Increments of One Inch	Increments of Five Pounds
Target.....	26" to 31"	20# to 70#
Field.....	26" to 31"	20# to 70#
Hunting		
4-Blade Copperhead.....	26" to 30 1/4"	35# to 70#
With Broadhead Insert Adapter.....	26" to 30 1/4"	35# to 70#
Special Hunting		
3-Blade Hi-Precision.....	28"	40# to 65#
With Broadhead Insert Adapter.....	28"	40# to 65#



Point	Length	Spine
	Increments of One Inch	Increments of Five Pounds
Target.....	26" to 31"	20# to 70#
Field.....	26" to 31"	20# to 70#
Without Point (Untapered).....	26" to 31"	20# to 70#
Hunting 3-Blade Hi-Precision.....	26" to 30 1/4"	35# to 70#
Flu Flu Metal Blunt.....	28"	Not Defined
Children's Target.....	24"	Not Defined



Point	Length	Spine
	Increments of One Inch	Increments of Five Pounds
Target Only.....	26" to 31"	25# to 50#

*Browning's Micro-Flite arrow shafts are specially fabricated by its Browning-Silaflex Division .

Browning Archery Accessories



BROWNING SHOOTING GLOVES — Two models are provided. Both are made from top grain cowhide with a snug elastic back. One has fingertips of extra firm, durable cordovan; the fingertips of the other are of soft, pliable, cowhide. The wrist band is soft cowhide with an adjustable snap fastener. Available for right or left hand shooters in men's and ladies' models.



BROWNING ARM GUARDS — All purpose models are provided in appropriate sizes for men, women, and children, and a special model is offered for hunting. All are crafted from top grain cowhide and incorporate an inner steel stay to absorb string shock. The hunting model is oversize for added protection. Each type is fully adjustable for perfect fit.



BROWNING BOW QUIVER — An ideal quiver for silent hunting. Made of Neoprene, it will not damage bow limbs. It snaps onto any bow and is held securely by steel clamps. The durable Kwiikee Kwiver holds four arrows firmly positioned for a quick and silent draw and for rapid shooting.



BROWNING FINGER TAB — This professional quality tab is made in two layers; the inner layer of soft cowhide and the outer layer of firm cordovan leather. The cordovan leather has an ideal texture for smooth release. Available for either right or left hand shooters.



BROWNING BOW SIGHT — The Browning Bow Sight is lightweight, strong, and beautifully finished in gold anodized aluminum. It is easily installed on right or left handed bows and may be mounted on the face or back of a bow. The sight has a gold bead post reticle and readily accepts other sight reticles of the wire frame design.

The sight features two vertical sliding scales, one for adjusting to distance, the other to compensate for tackle changes. You only have to resight at *one* range after changing bow string or arrows, by

simply adjusting the sliding vertical bar. This single step gets you back on target at *all* ranges without calibrating. Windage corrections are made with a screw-adjustable horizontal sight post.



BROWNING NO-CANT RETICLE — This revolutionary device is an unbelievable aid to accuracy. The accidental tilt or cant of a bow when shooting can cause the arrow to strike off the point of aim. The Browning No-Cant Reticle readily detects the slightest canting of a bow and makes a simple task of holding the bow to true alignment.

The No-Cant is a cross hair type reticle that fits most bowsights. The upper cross hair operates like a pendulum, always showing the true vertical. The bottom cross hair moves with, and parallel to, the axis of the bow. For perfect sighting, the archer merely aligns the cross hairs by moving the bow opposite the indicated cant. This is a natural action done while sighting.

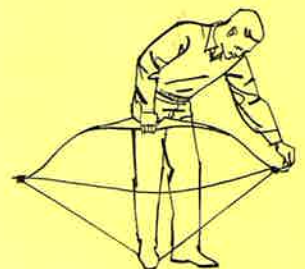


BROWNING BOW CASE — This sturdy, black vinyl bow case is well padded then lined with heavy flannel nap. It will accommodate any recurve bow up to 70 inches in length. A large top-opening zipper makes access easy. A zippered pocket will hold many extra accessories.



BROWNING BOW STRINGS — Browning Strings are made from multiple strands of specially

waxed Dacron. Each string is carefully tested and measured for specific bow weights and lengths.



BROWNING BOW STRINGER — Anyone can string the heaviest bow with this effective accessory. With the bow string in place on one nock the plastic-covered yokes of the stringer are slipped over both bow nocks. The bow is braced by pulling upward on the handle, as shown in the illustration. When at sufficient draw the bow string is easily slipped into place on the other bow nock. This is the safest way to string and unstring a bow and also prevents inadvertent twisting of the limbs and damage to the bow nocks.



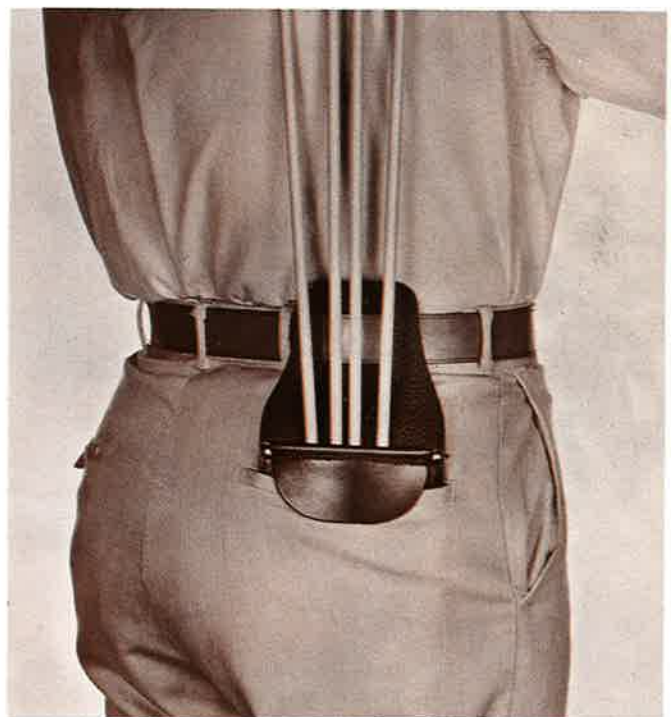
BROWNING LARGE TARGET QUIVER — A handsomely styled quiver made of the finest top grain cowhide. It is suspended from the belt or waist band where it is held firmly by two snap spring fasteners. The angled leather straps position the quiver for a smooth and easy draw. The straps are also oriented so that right or left hand shooters may use it with equal convenience. This efficient quiver has a capacity for 12 arrows which may be segregated by a convenient leather loop divider at the top of the quiver.



BROWNING SMALL TARGET QUIVER — This "compact" was designed for comfortable use by ladies or junior archers and others who prefer minimum encumbrance. Although extremely light weight, it is constructed of top grain leather to provide years of satisfactory service. A metal spring clip attaches the quiver firmly to belt or waistband where it is perfectly balanced by the placement of supporting straps. The balancing ring permits bending and stooping with a loaded quiver without the annoyance of losing arrows.



BROWNING ROVER QUIVER — A handsome all-purpose quiver made from top grain cowhide. Designed to permit safe maneuverability in the brushiest of field ranges, it is also the choice of many target archers. It holds six to eight arrows, which are conveniently positioned by the angled design of the arrow pocket. Arrows may be separated by a leather loop divider located above the arrow pocket. This popular quiver has a large zippered pouch for accessories, plus, a handy pencil holder.



BROWNING HIP POCKET QUIVER — If you like to shoot free and easy, this compact pocket quiver is the answer. It slides onto a belt and stays firmly in position in either back pocket, serves equally well for right and left hand shooters. It is constructed of top grain cowhide, riveted at the corners to insure long life, and has a convenient leather lip that protects the shooter's pocket from excessive wear. This handy quiver firmly holds up to six target or field arrows.

Archery Information

SELECTING A BOW

The accompanying illustration will identify the structural makeup of a bow with the nomenclature most commonly used. Becoming familiar with these terms and the parts of a bow so named will be of help in your understanding archery.

There are two basic bow types, the Straight Bow and the Recurve Bow. Although there are many variations of the recurve bow, it essentially means that the ends of the bow limbs curve in an opposite direction to that of the remainder of the bow limbs. This type of design has become far the more popular in recent years and is considered to give greater arrow speed and superior all-around performance.

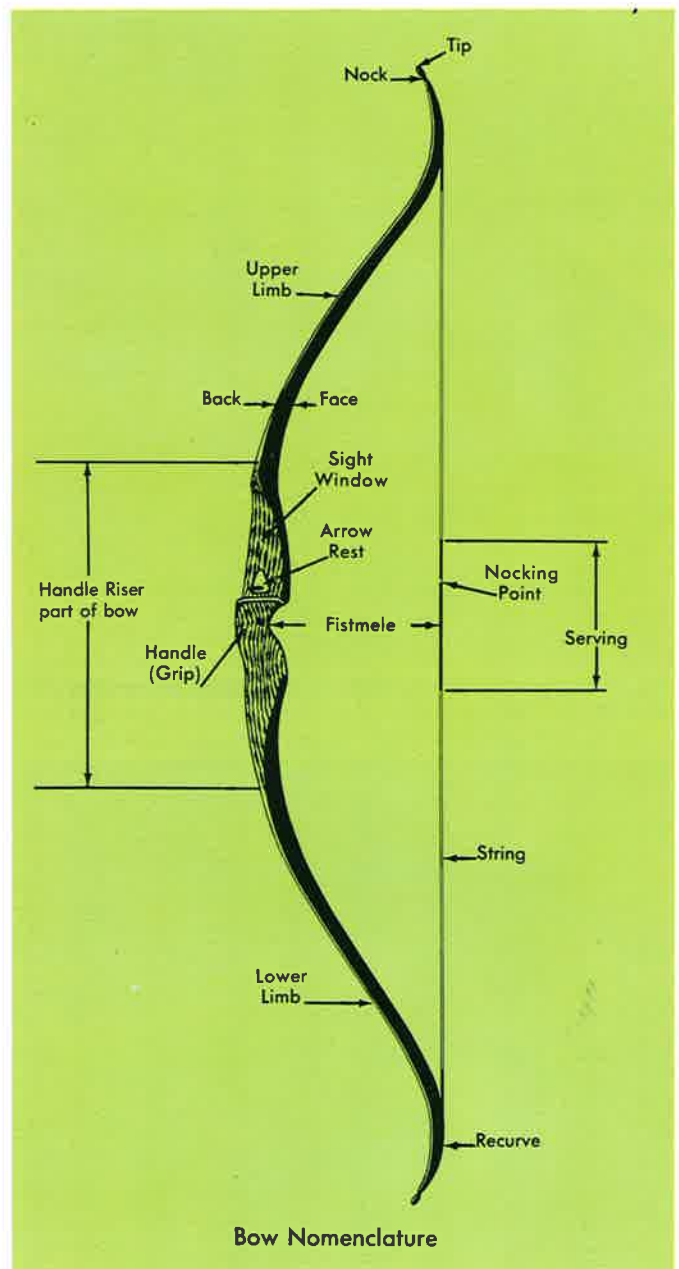
Bows are constructed from wood, solid fiberglass, light metals, or a combination of woods and fiberglass in laminated form. The latter is called a composite bow and is considered by far the best type. It is lighter in weight, stronger, and has the facility to cast an arrow faster and more accurately.

LENGTH: Generally speaking, a shorter bow will produce greater arrow speed, is lighter weight, and more convenient to handle; therefore, such bows within the 50" to 60" lengths are normally preferred for hunting. On the other hand, a longer bow, by comparison, is more stable, easier to draw, and smoother on release. Because a longer bow will shoot with more precision than the shorter bow, it is preferred for target and field archery. Bows in this category usually range from 64" to 70" in length. The length selected is a matter of personal preference, although one's size is an important consideration.

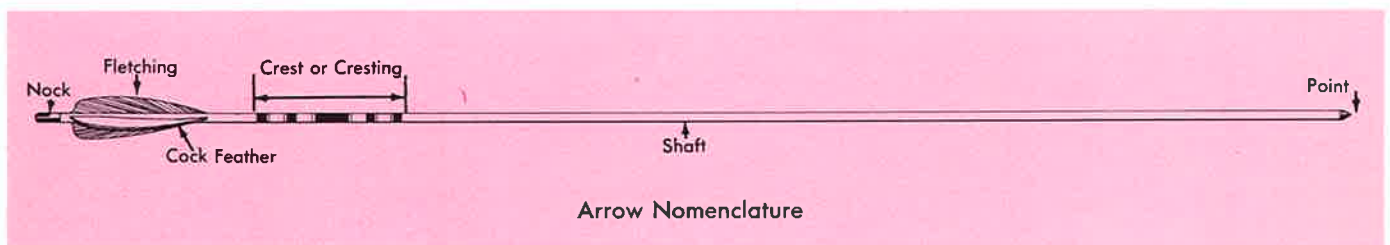
DRAW WEIGHT: Draw weight signifies the number of pounds of pull necessary to draw a bow to full draw. Most Browning bows, as with other makes, are measured at 28" draw. A 40 pound bow, for instance, means it takes 40 pounds pressure to draw it 28". Bear in mind that this draw weight will vary with length of draw, approximately 2 pounds per inch. In other words, for a person with a full draw of 27" this 40 pound bow would become a 38 pound bow; or if his full draw were 30", the draw weight would then become about 44 pounds. In selecting a bow, the archer should choose a bow he can pull to his full draw without excessive strain over extended periods of shooting. For target shooting, most men will use a bow with a draw weight between 35 and 45 pounds, women and juniors between 20 and 35 pounds, and youngsters from 10 to 25 pounds. In a hunting bow, the same shooter would ordinarily use a bow with about 10 pounds heavier draw. Do not select a bow too heavy. With modern composite bows, a light draw weight will give comparable accuracy to that of a heavy draw weight.

HUNTING BOW: Should an archer wish to obtain a bow that is suitable for both hunting and target work, it would be preferable to choose one in the lightest draw weight that conforms to state and local laws for bow hunting. In most states, the requirement is for a bow with no less than a 40 pound draw weight.

When a bow is to be used entirely for hunting, the only limitation on draw weight need be the hunter's strength and ability. For the average archer, a bow within the 45 to 55 pound range is generally recommended.



Bow Nomenclature



Arrow Nomenclature

ARROW SELECTION

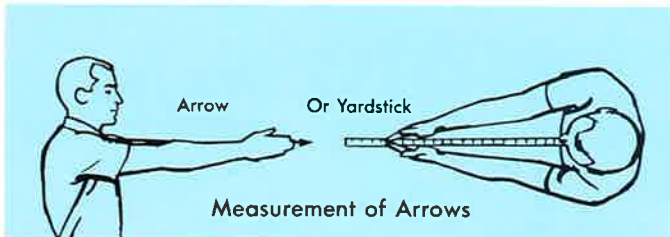
The illustrations and nomenclature will identify the various parts of our arrow and the types of points used.

MATCHED ARROWS: A set of "matched" arrows refers to a group of arrows with the same **SPINE** (stiffness of the shaft) and the same **WEIGHT**. Naturally other physical characteristics such as length, fletching, and shaft diameter are also to be the same. Matched arrows are absolutely necessary for consistent performance.

SPINE: Spine is the characteristic of an arrow which allows it to flex around a bow in such a way that it travels straight instead of being deflected to the side as it passes the bow. There is a recommended spine for each bow weight and it is fundamental to achieving good accuracy to use arrows that have the correct spine. The spine of an arrow is converted to a poundage classification corresponding to the draw weight of a bow in order that the two may be more easily matched by the archer. Arrows are usually spined in increments of 5 pounds. Thus for a bow with a draw weight of 42 pounds, arrows should be selected which have been spined in the 40 to 45 pound classification.

WEIGHT: Arrow weight and arrow spine are closely related and variances in either can cause considerable flight inconsistency. Hence, it is also important that each set of arrows match in weight. All better makes of arrows are closely matched to within but a few grains of each other.

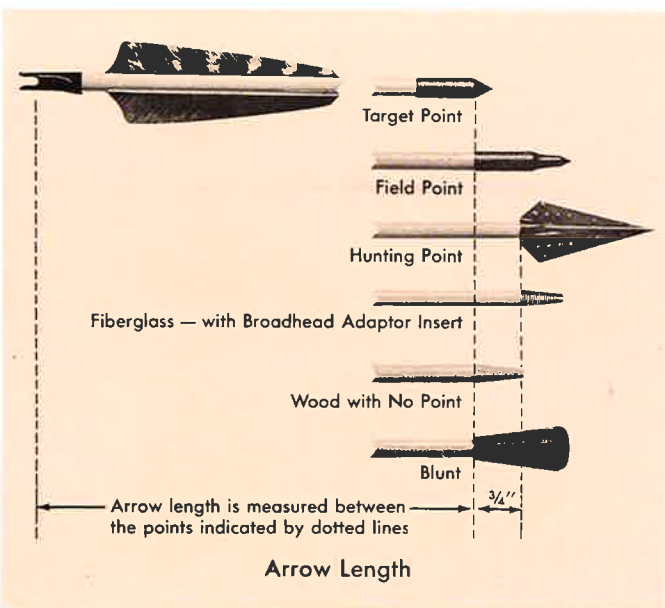
LENGTH: An arrow that is too short can be easily overdrawn which is dangerous as well as a detriment to good shooting. Correct arrow length depends on the full draw of the archer and full draw is ultimately dependent upon arm length. There are a number of ways in which arrow



length can be determined for the new archer. One well accepted, the chest to fingertip method, is described below.

Place the end of a yardstick against the center of your upper chest at the approximate base of the neck and reach out on it with your arms extended straight in front of you. The distance from this position on your chest to the end of your fingertips is the correct arrow length. If fractions should occur in this measurement, choose the next highest whole number.

To avoid later confusion, it is important to know how different types of arrows are measured since all types are not measured from the tip of the point. From the illustration below, you will observe that a 28" hunting arrow, for instance, can be as much as 2 1/2 inches longer than a 28" target arrow. Both are designated as a 28" arrow nevertheless and you should not assume the longer hunting arrow is incorrectly marked. Once you have determined the proper arrow length for you, specify that length for all types of arrows. The maker has compensated for the correct differences in actual length.



GENERAL SHOOTING INFORMATION

The information set forth here is necessarily very brief and covers only generally accepted fundamentals. There are as many minor variations to each listed step as there are individual archers. Nevertheless, consistently good form is absolutely necessary for good shooting, and these basics must be performed even though the individual might make minor changes because of physical necessity or personal preference. Instruction, or even informal help and criticism, from an experienced archer is a great help to the beginner.

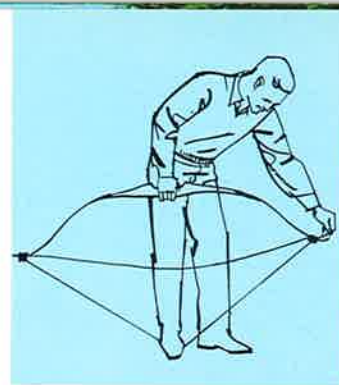
STRINGING A BOW: The initial stress required to string a bow can cause considerable damage to its limbs if not evenly distributed. It may, in fact, cause the limbs to become permanently twisted. In stringing a bow care must also be taken that it doesn't fly out of hand as the result can be dangerous. The simplest and most effective way to string a bow is by using the Browning Bow Stringer. It is designed to put the same stress on a bow as when shooting and there is no danger of the bow jumping out of hand.

Two other accepted methods may be used. The first system is to use the instep of one shoe as a brace against one tip of the bow. One hand should grasp the bow at the handle area with the back of the bow upward. The heel of the other hand should be placed on the back of the other limb with the loop of the bow string held between the thumb and forefinger. The bow is braced by pulling toward you with the hand at the handle, applying opposite pressure with the heel of the other hand while sliding it along the bow limb until the string loop can be placed in the nock. During this process it is important to keep the head out of direct alignment with the bow to avoid the possibility of an eye or head injury should either hand slip.

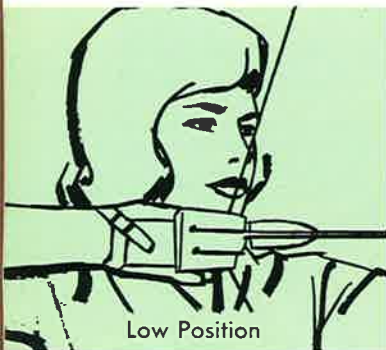
The second system is a step-through process in which the thigh is used to apply pressure on the bow handle. Secure the strings to the lower limb of the bow and hold the loose string end in the left hand. Place the lower limb of the bow against the left ankle. Step across the bow with the right leg and position the bow handle behind the right thigh. Lay the right hand on the curve of the top limb, palm open. The bow is braced by bending forward while applying pressure backward with the right thigh on the bow handle and forward with the hand on the upper limb. Slip the string over the bow tip with the left hand making sure it is properly seated in the nock. Slowly release the pressure after the string is attached and turn the bow so that its face is toward you, as in shooting. This will avoid injury should the string slip off.

SHOOTING STANCE: Take a position with your side pointing directly at the target with feet comfortably spread to provide good balance. Stand erect but relaxed. Your head should be turned directly toward the target, which will be seen over your shoulder.

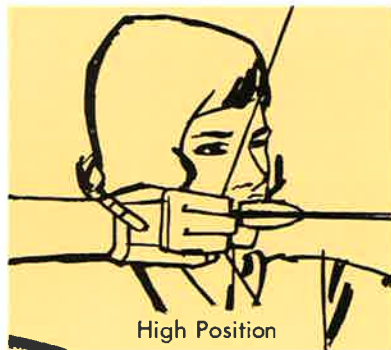
NOCKING AN ARROW: Grasp the bow handle lightly but firmly with the left hand (for a right handed person) exactly as it will be held while shooting. Hold the bow in a horizontal position with the back of the hand up. Lay an arrow across the bow just above the arrow rest. Place the nock of the arrow onto the bowstring with the odd colored feather (cock feather) up or opposite the handle of the bow. The nocking point should be predetermined and marked on the string, usually this is 1/8" to 1/4" above the point at which the arrow is at right angles to the string. Place the first three fingers on the bowstring as illustrated. Some archers use the pads of the fingers against the string and some use the first joint. Select the method which feels most comfortable for you, either is acceptable. In both cases a shooting glove or tab is recommended.



FULL DRAW: Raise the bow from the horizontal to a vertical position at arm's length. The left arm and elbow may be straight but preferably slightly bent to allow clearance for the bowstring. The bow should be held very lightly in the bow hand with the pressure of the draw holding it firmly against the base of the thumb. With the three fingers of the draw hand in proper place, take a deep breath as you draw the arrow



Low Position

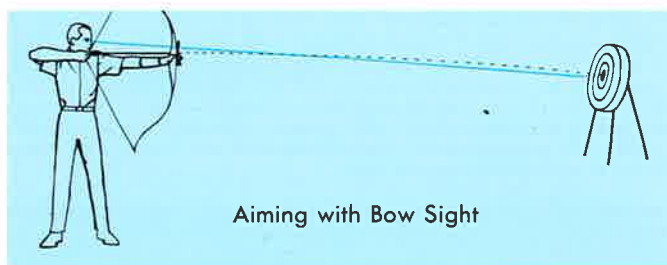


High Position

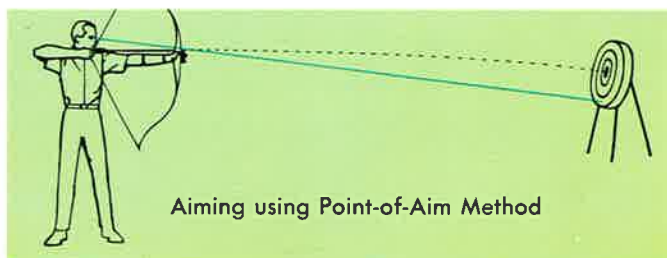
steadily back to the reference or "anchor" position on your face or chin. At this point you are at *full draw*. It is extremely important that every draw is identical and that your right hand is anchored at *exactly* the same point on your face or chin each time. The fingers of the draw hand should be completely relaxed to accomplish smooth release. The elbow should be level with the shoulders during the draw and the back and shoulder muscles, not the arm or hand, should do the pulling.

AIMING: There are three accepted methods of aiming:

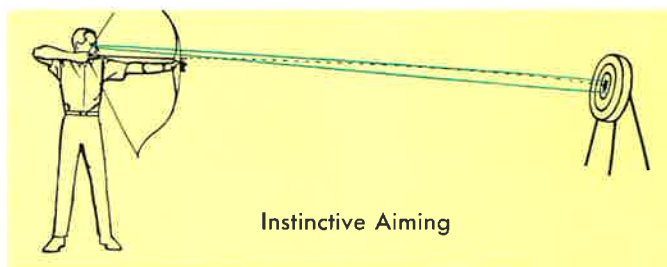
1. For maximum accuracy, particularly in target shooting, many archers use a bow sight. The sight normally has a movable, horizontal sighting post or crosshair reticle which can be adjusted for both vertical and horizontal corrections. Vertical adjustments are made for shooting at different ranges. In this method the aiming eye acts as a rear sight and the end of the post or cross hair as a front sight. The reticle or post is positioned so that a hit will result when the bead or cross hair is "on target."
2. Another aiming method used by the target archer is the "point of aim" system wherein a predetermined sighting spot which is actually above or below the true target is established, usually by trial and error and, of course, by experience. With this method the eye again acts as the rear sight, but the very point of the arrow acts as the front sight and the line of sight is as illustrated.
3. The instinctive method of aiming involves shooting with no definite reference point. The archer concentrates his vision *on the target* and shoots by "feel."



Aiming with Bow Sight



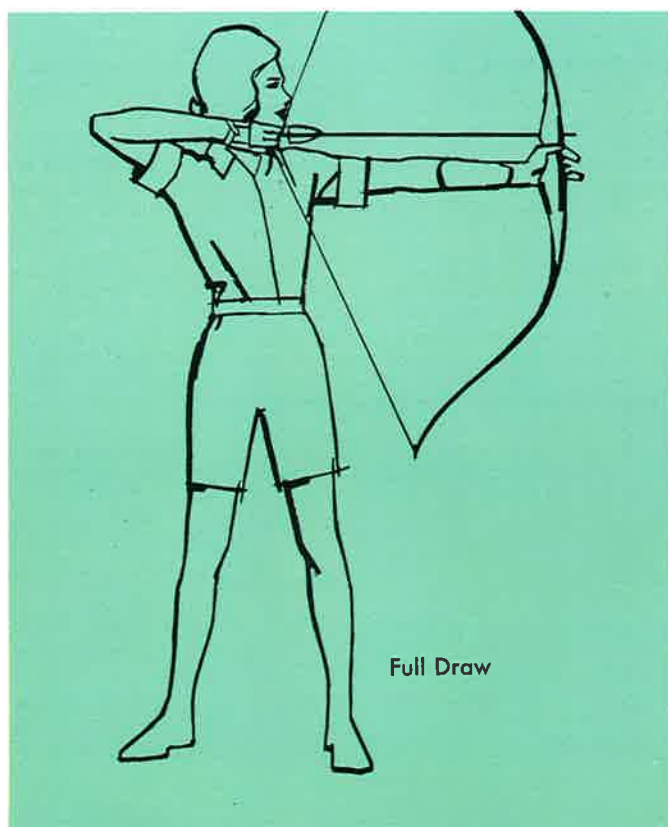
Aiming using Point-of-Aim Method



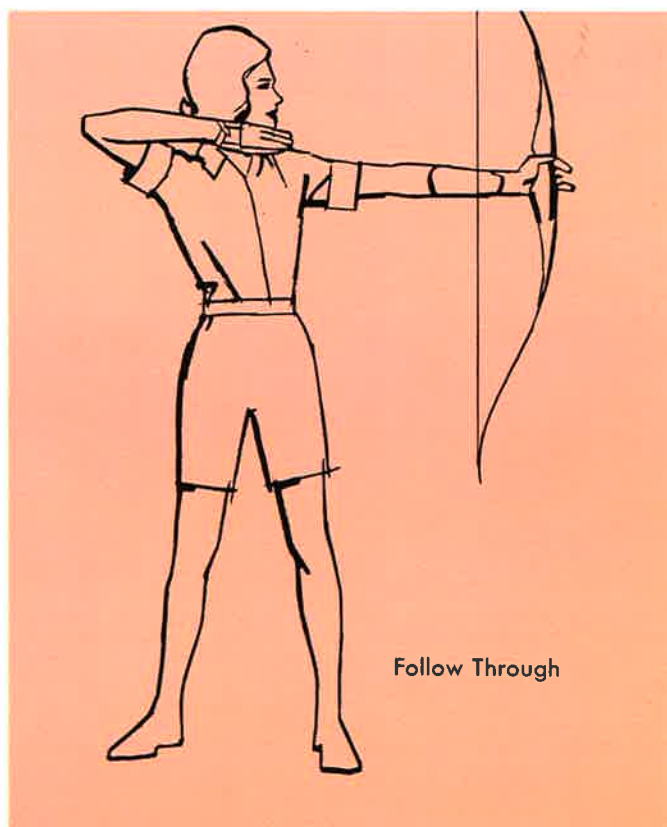
Instinctive Aiming

THE RELEASE: Hold the full draw for just long enough to make sure your aim is correct. Do not allow the arrow to creep forward just before the release. Relax the three fingers and allow the string to slip off smoothly. There should be no movement except for the slight straightening of the draw fingers. A smooth, straight, even release is very important to accuracy.

FOLLOW THROUGH: Follow through as an aid to consistent shooting simply means the archer should retain the shooting position without moving, until the arrow strikes the target.



Full Draw



Follow Through



Nomad Hunting Set

The Nomad Hunting Set includes a complete assortment of expert equipment that will please the most discerning hunter. It features the compact, fast and flat shooting 54" Nomad I Bow; 6 perfectly matched and virtually unbreakable

fiberglass hunting arrows, with sets of both razor sharp 3 blade hunting points and practice field points; point cement; top grain leather shooting glove; reinforced leather armguard and a silent, fast-draw Bow Quiver that holds 4 arrows firmly in place. The complete set costs only a little more than the Nomad Bow alone.



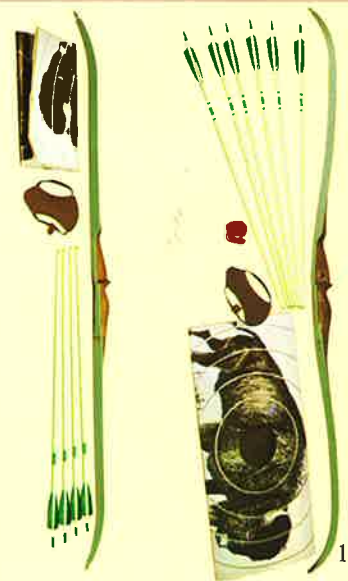
MOHAWK ARCHERY SET

The young archer will soon offer keen competition with this well designed set. It features the Mohawk bow described on page 7 of this brochure and includes a full-sized armguard, a sturdy, smooth textured finger tab for even release, six practically unbreakable fiberglass arrows and a colorful animal target.

APACHE ARCHERY SET

To start that six to ten-year-old out properly, here is a complete archery set designed for vigorous and effective shooting. The set features the Apache Bow described on page 7 and includes a leather armguard, a colorful buffalo target, and four virtually unbreakable fiberglass arrows.

LIFT
THIS
FLAP FOR
FULL LENGTH
VIEW



1966 PRICE LIST BROWNING ARCHERY EQUIPMENT

Browning BOWS

Model	Length	Draw Weights Available-Lbs.*	
Apache	48"	15 - 20	\$14.95
Apache Set	48"	15 - 20	19.95
Mohawk	54"	25 - 30 - 35	22.50
Mohawk Set	54"	25 - 30 - 35	29.50
Spartan	62"	From 25 to 45	31.50
Medallion	64"	From 30 to 55	39.50
Nomad I	54"	From 35 to 65	47.50
Nomad II	60"	From 35 to 65	49.50
Nomad Set	54"	From 35 to 65	64.75
Apollo	66"	From 30 to 60	49.50
Safari I	54"	From 35 to 70	59.50
Safari II	60"	From 35 to 70	59.50
Explorer	62"	From 35 to 70	59.50
Olympian	66"	From 30 to 60	79.50
Olympian	68"	From 30 to 60	79.50
Olympian	70"	From 30 to 60	79.50
Challenge Unit	66"	From 30 to 60	129.50
Challenge Unit	68"	From 30 to 60	129.50
Challenge Unit	70"	From 30 to 60	129.50

*All draw weights are measured at a draw of 28" except for Apache which is measured at 24".

When ordering bows be sure to specify the following:

1. Model by name.
2. Left Hand Model (Right Hand Model will always be shipped if Left Hand Model is not specified).
3. Draw Weight (to complete orders promptly we will substitute within two pounds on either side of designated weight unless your order specifies "Exactly 00 lbs." or the substitution limits permissible). Since Apache and Mohawk bow draw weights are in increments of five lbs., substitutions will not be made.
4. Specify length desired for Nomad, Safari, Olympian and Challenge bows.

Browning ARROWS

Point	Length Increments of	Spine Increments of	Per Dozen
	One Inch	Five Pounds	
BROWNING SELECT PORT ORFORD CEDAR			
Target	26" to 31"	20# to 70#	\$11.95
Field	26" to 31"	20# to 70#	11.95
Without Point (untapered)	26" to 31"	20# to 70#	10.95
Hunting			
3-Blade Hi-Precision	26" to 30¼"	35# to 70#	14.50
Children's — Special Target	24"	Not Defined	5.95
Flu-Flu Metal Blunt	28"	Not Defined	12.45

BROWNING-SILAFLEX MICRO-FLITE FIBERGLASS

Target	26" to 31"	20# to 70#	27.50
Target with Insert Target Points separate.	31"	Specify Shaft Size	26.90
Field	26" to 31"	20# to 70#	27.50
Hunting			
4-Blade Copperhead	26" to 30¼"	35# to 70#	32.50
With Broadhead Insert Adapter	26" to 30¼"	35# to 70#	27.50
Hunting — Special			
3-Blade Hi-Precision	28"	40# to 65#	21.50
With Broadhead Insert Adapter	28"	40# to 65#	18.00

BROWNING ALUMINUM (EASTON-XX75)

Target	26" to 31"	25# to 50#	34.50
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Single Fiberglass or Aluminum arrows are available as replacements to matched sets.

When ordering be sure to specify the following:

1. Arrow Shaft Material (Aluminum, Fiberglass, or Wood).
2. Type of Point.
3. Length (a 28" adult arrow will always be shipped if length is not specified).
4. Spine (Draw weight of bow).
5. Color (Crest and Fletching Match). Specify: Red, Blue or Black.
6. Quantity—(All arrows are sold in sets of one dozen.)

(See reverse side for archery accessories)

Browning ARCHERY ACCESSORIES

When ordering accessories be sure to specify name, color and size when appropriate.

	Size	
BROWNING ARCHERY GLOVES — L or R Hand		
Men—With Cordovan Finger Stalls	S, M, L, XL	\$2.50
Ladies—With Cordovan Finger Stalls	S, M, L	2.50
Men—With Soft Cowhide Finger Stalls	S, M, L, XL	1.75
Ladies—With Soft Cowhide Finger Stalls	S, M, L	1.75
BROWNING SHOOTING TABS — L or R Hand		
	S, M, L	1.10
BROWNING ARM GUARDS		
Men—All purpose		1.75
Ladies—All purpose		1.75
Children—All purpose		1.00
Special Hunting		2.50
BROWNING QUIVERS		
Small Target—For Left or Right Hand Shooter		4.75
Large Target—For Left or Right Hand Shooter		8.50
Rover—Right Hand only		9.50
Pocket—For Left or Right Hand Shooter		2.00
Kwikce Bow Kwiwer—For Left or Right Hand Shooter		3.50
Hunting Thigh Quiver—For Left or Right Hand Shooter		8.00
BROWNING BOW STRINGER		2.95
BROWNING BOW SIGHT		6.95
BROWNING NO-CANT BOW SIGHT RETICLE		4.95
BROWNING VINYL ZIPPER BOW CASE		8.95
BOW STRING		
Specify Browning Bow Model, Draw Weight and Length if model comes in more than one size		1.50
ARROW REST		
Brush Type		.60
Plastic, Flexible Shelf		.50

	Shaft Size	Weight (in grains)		
Browning Target Points — Tapered Steel (For Cedar Arrows)	{	5/16	85	\$.80 doz.
		21/64	100	.80 doz.
		11/32	100	.80 doz.
Browning Field Points — Tapered Steel (For Cedar or Fiberglass Arrows)	{	5/16	100	.80 doz.
		21/64	130	.80 doz.
		11/32	130	.80 doz.
Hi-Precision Hunting Points — (3-Blade) (For Cedar or Fiberglass Arrows)	{	5/16	110	3.75 doz.
		11/32	130	3.75 doz.
Copperhead Hunting Points — (4-Blade) (For Cedar or Fiberglass Arrows)		11/32	125	5.75 doz.
HTM Rubber Blunts (For Cedar or Fiberglass Arrows)	{	5/16	120	1.75 doz.
		11/32	120	1.75 doz.
Nocks — White (For Cedar or Fiberglass Arrows)				
1/4, 9/32, 5/16, 11/32				.45 doz.
Mid-Nocks — White (For Aluminum Arrows)				
1/4, 9/32, 5/16, 11/32				1.30 doz.

***MICRO-FLITE ARROW SHAFTS (Yellow)**

With Nock Inserts and Target Points Installed	\$19.50 doz.
With Nock Inserts and Target Points Separate	18.10 doz.
With Nock Inserts and Broadhead Insert Adapters Installed	19.90 doz.
With Nock Inserts and Broadhead Insert Adapters, Separate	18.50 doz.
Arrow Shafts Only — Maximum Length 31"	14.50 doz.
Nock Inserts — Magnesium	1.60 doz.
Broadhead Adapter Inserts — Magnesium	2.40 doz.
Insert Target Point—Case Hardened Steel	2.00 doz.
Point-Fast Fiberglass Adhesive Kit — For Inserts — 2 oz.	1.25 ea.

*When ordering Micro-Flite Arrow Shafts be sure to specify length of arrow and spine desired (Draw Weight) or use Micro-Flite sizing chart numbers from 0 to 10. Components will be sent disassembled unless specified otherwise.

All Micro-Flite products are manufactured by
Browning-Silaflex, a subsidiary of Browning Arms Company

Prices Subject to Change
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BROWNING ARMS COMPANY
1706 Washington Ave., St. Louis, Missouri 63103

2-15-66 30M

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Manufacturers of
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Browning-Silaflex Fishing Rods
Browning-Silaflex Sky Pole Vaulting Poles

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