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Thank You

Congratulations. You have just purchased the finest compound bow in the world. We have designed your new BowTech to be the smoothest, quietest, fastest bow of its kind. It is designed with patented and patent-pending technology that no other bow manufacturer can match. The performance of every bow is guaranteed and we are the only company that shoots every bow we sell. If it doesn't perform to our standards, it doesn't ship. We take great pride in our bows and hope you will too.

As with any weapon, the safe operation of your bow should be the highest priority. Please be careful!



888-689-1289 • BowTechArchery.com
90554 Highway 99 North • Eugene, OR 97402

The MightyMite Story

The "Mighty Mite," one of our smallest bows, is named in honor of (BowTech CEO) John Strasheim's grandson, John. John was born premature, three and a half months early, weighing in at a whopping 1lb. 5oz. Just before he was born, the doctor didn't give the family much hope, claiming that since the baby was being delivered so early in the pregnancy, he would probably not survive or, at the very least, have severe birth defects. The Strasheim's attitude was, "where there is life, there is hope," so on May 15, 1998, (instead of September 4, the actual due date), their tiny miracle was born. Right from the start, little John showed so much courage and had such a strong will to live, the nurses nicknamed him "Mighty Mite." After a stay of nine weeks in the neonatal intensive care unit and a short stay at Doernbecher Children's Hospital in Portland, Oregon, "Mighty Mite" was able to go home to stay. He is now healthy, happy, full of joy, and a constant reminder that through God's grace, miracles still do happen!

Owner's Record

Date of Purchase: _____ Purchase Price: _____

Bow Model & Year: _____

Serial Number: _____ Brace Height: _____

Draw Length: _____ Draw Weight: _____

IBO Speed Rating: _____ String Length: _____ Cable Length: _____

Dealer Purchased From: _____

Dealer's Address: _____

City: _____ State: _____ Zip: _____

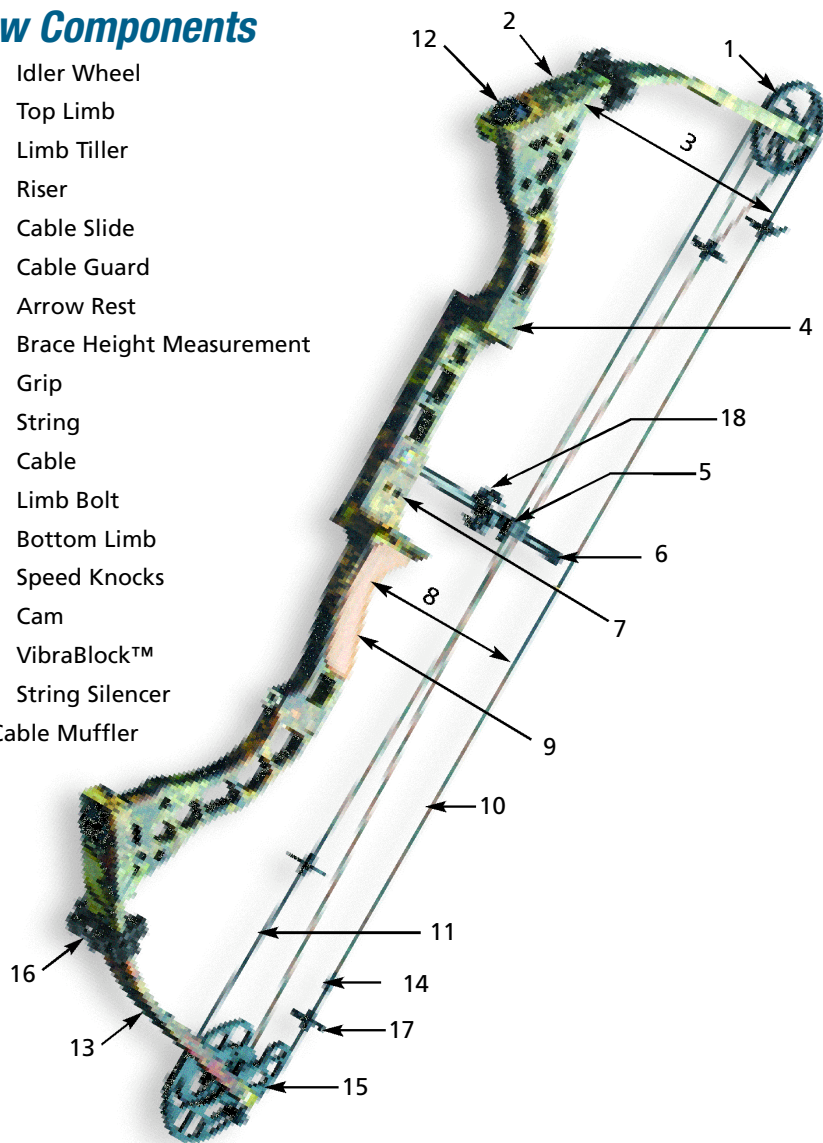
Phone No: _____

Every effort has been made to ensure the accuracy of information and typographical content within our owner's manual. BowTech reserves the right to modify and/or discontinue products shown without notice and at its discretion. © 2004 BowTech. All rights reserved.

Bow Components

Bow Components

1. Idler Wheel
2. Top Limb
3. Limb Tiller
4. Riser
5. Cable Slide
6. Cable Guard
7. Arrow Rest
8. Brace Height Measurement
9. Grip
10. String
11. Cable
12. Limb Bolt
13. Bottom Limb
14. Speed Knocks
15. Cam
16. VibraBlock™
17. String Silencer
18. Cable Muffler



Dually's – Setup, Tuning & Timing

Timing

BowTech dual cam bows are factory synchronized with the cables contacting the mod simultaneously, at full draw. However, because of the natural settling of the string and cables, they may need to be refined at your authorized dealer. Before doing so, it is recommended to cycle (shoot) the bow 100 to 150 times before your initial timing session. Follow this procedure to eliminate the bulk of “settling out” of the strings and cables, and to return them to their pre-stretched lengths.

The top cam requires some lean toward the cable rod, which can be achieved by twisting the harness. This forces the cable to feed squarely into the mod track. Once the desired cam lean is achieved, synchronize the timing of the cams, making sure they hit at the same time at full draw.

All BowTech bows have a module draw system that allows your draw length to be set correctly. See the mod chart or an Authorized BowTech Dealer for installation of modules.

Setting the Peak Weight

One full 360-degree turn on the limb bolt equals 3-4 lbs. The bow is setup for only 10lb increments and allows for no more than 2-1/2, 360-degree turns. **Every bow performs best at peak weight.** BowTech bows are standardized to fit most manufacturers' accessories and are intended to be shot with a mechanical release.

Cable Adjusters

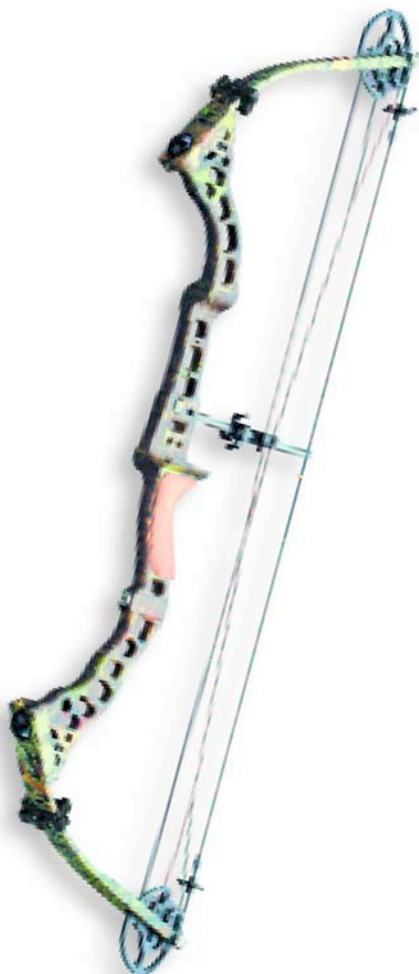
Cable adjusters solve the problem of cam timing and lean. When selecting this optional feature, you'll find that these concerns are no longer an issue. It is not recommended for first-time users to make the initial setup or adjustments, although a quick turn of a bolt and tightening of nut are all it takes to achieve precise timing. See your Authorized BowTech Dealer for initial setup and visual instruction on how to correctly adjust your cable adjusters in the field.

The Dually's



Patriot Dually VFT

Draw Weights: 50#-60#-70#
Let Off: 65%
Axle-Axle: 35 1/8"
Mass Weight: 3 lbs 11 oz
Brace Height: 7 5/8"
Draw Lengths: 26"-31"
IBO Speed: 326-334 fps
Finish: Mossy Oak Obsession
and Target Colors



BlackKnight

Draw Weights: 50#-60#-70#
Let Off: 65%
Axle-Axle: 36 1/4"
Mass Weight: 3 lbs 11 oz
Brace Height: 5 3/4"
Draw Lengths: 25"-30"
IBO Speed: 342-350 fps
Finish: Mossy Oak Obsession



Pro 40 Dually

Draw Weights: 50#-60#-70#
Let Off: 65%
Axle-Axle: 37 1/8"
Mass Weight: 4 lbs 1 oz
Brace Height: 7"
Draw Lengths: 26"-31"
IBO Speed: 328-336 fps
Finish: Mossy Oak Obsession
and Target Colors



Pro 40 Wheely

Draw Weights: 40#-50#-60#-70#-80#
Let Off: 65% or 80%
Axle-Axle: 38"
Mass Weight: 4 lbs 1 oz
Brace Height: 7 1/4"
Draw Lengths: 23"-30"
IBO Speed: 304-312 fps
Finish: Mossy Oak Obsession
and Target Colors

UniCam's – Setup & Tuning

BowTech single cam bows are factory tuned and preset to the ordered specifications. Any alterations to the original factory setup could inhibit performance. You may need to set your draw to the correct length. All BowTech bows have a module draw system. Modules are available in 1" and/or 1/2" increments. See your Authorized BowTech Dealer for proper draw length adjustment and new module installation instructions.

Setting the Peak Weight

One full 360-degree turn on the limb bolt equals 3-4 lbs. The bow is setup for only 10lb increments and allows for no more than 2-1/2, 360-degree turns. **Every bow performs best at peak weight.** BowTech bows are standardized to fit most manufacturers' accessories and are intended to be shot with a mechanical release.

Draw Stop Cam Setup

The InfinityCam and FreedomCam are unique from other draw stop cams in that both use a machined slot for continuous adjustment instead of the limited adjustment of preset drilled holes. Adjusting either cam to your preferred shooting style is simple. The InfinityCam and FreedomCam are modular adjusted

cams. When changing the draw length module, it is also necessary to readjust the post setting.

First change the module to your closest draw length setting before attempting to "fine tune" your let-off (see mod specification chart). The post settings are designed to make minute changes up to 1/2" in draw (up or down) from the draw-length originated by the module. Move the draw post to customize the module for your individual draw length, stopping the string exactly where you want it. The post rotates until it comes into contact with the bottom limb of the bow, resulting in the most solid wall on the market and the most precise anchor point available.

Post Adjustment

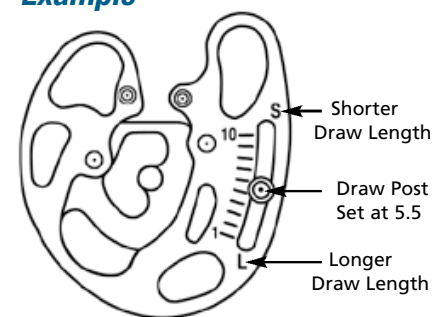
Start by adjusting the Allen screw on the post. Loosen just enough to allow movement either toward the S (short) or L (long) markings on the cam. **WARNING: NEVER ATTEMPT POST ADJUSTMENT WHILE DRAWING THE BOW.** When adjusting the post, very little movement is required to dramatically affect the settings. **DO NOT OVER OR UNDER ADJUST.** Under adjustment results in a very low let-off, while over adjustment causes the cam to over

rotate and the cable will contact the cams axle before the post stops the total rotation. (See the post settings chart and the illustration below for proper post adjustment).

Post adjustment incorporates all the settings necessary for BowTech models using either the InfinityCam or FreedomCam. Improper adjustment results in performance inefficiencies and can be dangerous. When drawing the bow, make sure that the post stops the draw cycle. If the post does not stop the draw cycle, the cam is over-rotating and may damage the cables. Correct

any over-rotation by moving the post setting toward the S marking. In doing so, you will return to the correct let-off and valley. Your Authorized BowTech Dealer can assist you with proper post adjustment.

Example



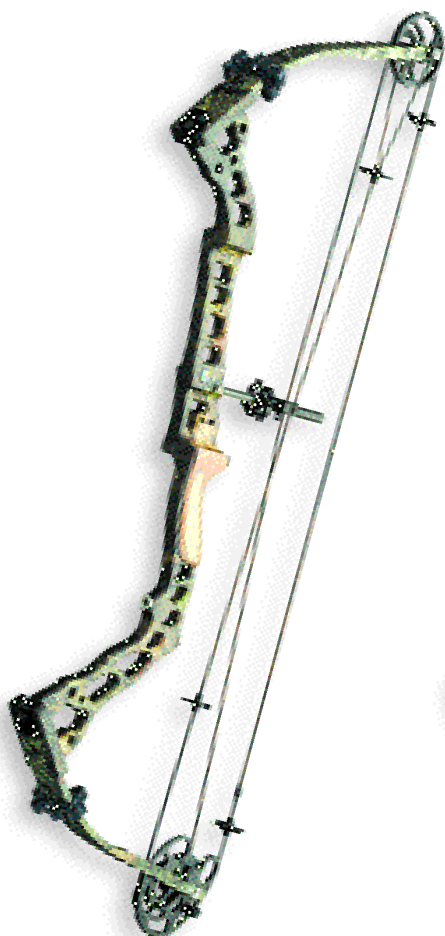
Changing the Let-Off

Changing the let-off is accomplished with ease. It may require a post setting and/or a module change (see the 65% and 80% let-off charts for correct draw settings). The draw stop affects the bow's let-off by stopping the rotation of the cam on the module track before it over rotates and before the cable contacts the axle.

Example: On the Patriot VFT, to achieve a 28" draw length with an 80% let-off, install a N#3 (28") module and, counting from the L mark, tighten the post at the 8 mark. To achieve a 28" draw length with a 65% let-off, install a N#2.5 (28") module and leave the post setting at the 8 mark.

Post settings adjustments allow fine tuning to achieve individual draw length requirements, however adjusting the draw length will affect the let-off and valley at the same time. Achieving an exact let-off at a specific draw length may require some trial and error of minor modifications. See your Authorized BowTech Dealer for assistance.

The InfinityCam

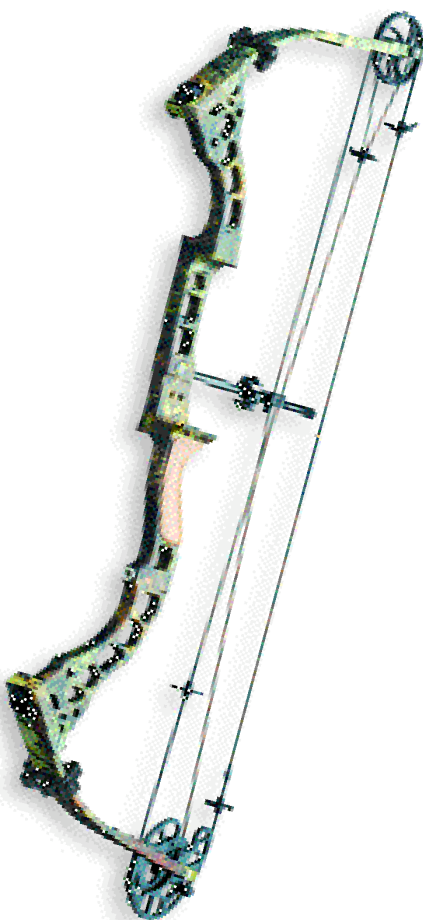


Extreme VFT

Draw Weights: 40#-50#-60#-70#
Let Off: 65% to 80%
Axle-Axle: 34 1/16"
Mass Weight: 3 lbs 12 oz
Brace Height: 6 5/8"
Draw Lengths: 25"-30"
IBO Speed: 325-333 fps
Finish: Mossy Oak Obsession
and Target Colors

Samson

80#-90#-100#
Mossy Oak Obsession



Patriot VFT

Draw Weights: 50#-60#-70#-80#
Let Off: 65% to 80%
Axle-Axle: 33"
Mass Weight: 3 lbs 12 oz
Brace Height: 7 3/4"
Draw Lengths: 25"-30"
IBO Speed: 320-328 fps
Finish: Mossy Oak Obsession
and Target Colors



MightyMite VFT

Draw Weights: 50#-60#-70#
Let Off: 65% to 80%
Axle-Axle: 30 1/2"
Mass Weight: 3 lbs 8 oz
Brace Height: 7 3/4"
Draw Lengths: 25"-30"
IBO Speed: 314-322 fps
Finish: Mossy Oak Obsession



BlackHawk

Draw Weights: 40#-50#-60#-70#
Let Off: 65% to 80%
Axle-Axle: 28 7/8"
Mass Weight: 2 lbs 13 oz
Brace Height: 8"
Draw Lengths: 25"-30"
IBO Speed: 309-317 fps
Finish: Mossy Oak Break Up
and Target Colors

The InfinityCam



TomKat

Draw Weights: 60#-70#
 Let Off: 65% to 80%
 Axle-Axle: 31"
 Mass Weight: 3 lbs
 Brace Height: 9 1/8"
 Draw Lengths: 27"-32"
 IBO Speed: 284-292 fps
 Finish: Mossy Oak Break Up

The FreedomCam



Liberty VFT

Draw Weights: 50#-60#-70#-80#
 Let Off: 65% to 80%
 Axle-Axle: 33 1/4"
 Mass Weight: 3 lbs 14 oz
 Brace Height: 7 1/2"
 Draw Lengths: 25"-30"
 IBO Speed: 300-308 fps
 Finish: Mossy Oak Obsession and Target Colors



Justice VFT

Draw Weights: 50#-60#-70#-80#
 Let Off: 65% to 80%
 Axle-Axle: 31 1/4"
 Mass Weight: 3 lbs 12 oz
 Brace Height: 8"
 Draw Lengths: 25"-30"
 IBO Speed: 296-304 fps
 Finish: Mossy Oak Obsession



Pro 40

Draw Weights: 50#-60#-70#
 Let Off: 65% to 80%
 Axle-Axle: 37 1/2"
 Mass Weight: 4 lbs 3 oz
 Brace Height: 8 1/4"
 Draw Lengths: 27"-32"
 IBO Speed: 292-300 fps
 Finish: Mossy Oak Obsession and Target Colors

The RascalCam



BlackHawk₂

Draw Weights: 30#-40#-50#-60#
Let Off: 65% or 80%
Axle-Axle: 29"
Mass Weight: 2 lbs 12 oz
Brace Height: 7 1/2"
Draw Lengths: 20"-26"
IBO Speed: 262-270 fps @ 26" Draw
Finish: Mossy Oak Break Up
and Target Colors



LadyHawk

Draw Weights: 30#-40#-50#-60#
Let Off: 65% or 80%
Axle-Axle: 29"
Mass Weight: 2 lbs 12 oz
Brace Height: 7 1/2"
Draw Lengths: 20"-26"
IBO Speed: 262-270 fps @ 26" Draw
Finish: Mossy Oak Break Up
and Target Colors



Rascal

Draw Weights: 20#-30#-40#
Let Off: 65% or 80%
Axle-Axle: 24 1/2"
Mass Weight: 2 lbs
Brace Height: 7 1/4"
Draw Lengths: 19"-25"
IBO Speed: 256-262 fps @ 25" Draw
Finish: Mossy Oak Break Up
and Target Colors

Birth Certificate

Every BowTech bow has been through at least 73 check and balance processes. Each has been individually hand shot, tested, and measured to ensure compliance with our strict performance standards.

Performance testing is completed using a Custom Chrono, Heavy Duty ProShop Meter, and digital scales*. Speed ratings have been obtained with VibraBlocks™, Hush Kit** components and a brass nock installed. The use of these accessories will decrease velocity by 3-5 fps from our advertised speed ratings.

The factory test results of each bow are documented on a "Birth Certificate" attached to the bow.

* Digital scales used for peak draw and arrow weights have a variance of +/- 1%.

** Precise placement of these accessories is important and may vary with each model.

Strings, Cables & Tuning

Congratulations! You now possess the finest bowstring in the industry today. Your BowTech custom bowstring is manufactured to provide long string life and absolute consistency, shot after shot. This will result in greater accuracy, and less time spent re-tuning your equipment.

NOTE: BowTech custom bowstrings are not standard equipment on the Rascal, BlackHawk, LadyHawk or TomKat models. However, they may be purchased after market at your Authorized BowTech Dealer.

It is recommended that you cycle the bow 100-150 times to remove all looseness from the string as a result of relaxation during packaging and shipping. Separate the bowstring and install your peep sight. To properly align the peep sight, simply twist or untwist the string from the bottom in 1/2 turn increments until the peep sight aligns. In rare cases, this procedure may need to be repeated after cycling an additional 200 shots.

Wax the string often. BCYML 6 synthetic string wax or an equivalent product is recommended. To wax the string, apply wax liberally to entire length of string. Rub briskly with fin-

gers until the string appears slick. Remove all excess wax with a clean cloth.

We're confident you'll find your BowTech custom bowstring to be the finest product of its kind. If you have any problem with one of our strings or cables, please contact us or your dealer immediately so we may promptly remedy the situation.

For optimum performance and correct timing, your BowTech is factory preset with a tuning gap (+/- .010) between the module screw and the limb (see illustration below).

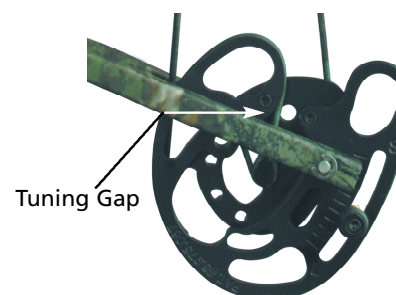
There are factory installed speed nocks located on the string at various distances from the axle(s). These nocks enhance the speed performance of the bow. Installing additional, or removing the factory installed speed nocks, will reduce performance.

See the chart below to reset the tuning gap and/or to re-install speed nocks when string replacement is necessary.

Contact your Authorized BowTech Dealer for adjustment assistance and to purchase authorized BowTech replacement parts. Installation of non-authorized BowTech components could void your warranty.

<i>Model</i>	<i>Tuning Gap</i>	<i>Speed Nocks</i>	<i>String</i>	<i>Cable</i>
Extreme VFT	0.425	4 1/4"	89 1/2"	36 1/4"
Patriot VFT	0.305	4 1/4"	87 1/4"	35 7/32"
Liberty VFT	0.298	2 1/2" - 4 1/4"	90 1/8"	35 7/16"
Patriot VFT Dually	n/a	2 1/2" - 2 1/2"	53 3/4"	36 7/8"
MightyMite VFT	0.294	4 1/4"	82 3/4"	33 1/16"
Justice VFT	0.093	2 1/2" - 4 1/4"	85 3/4"	33 1/2"
Pro 40	0.0625	2 1/2" - 4 1/4"	98 3/8"	40"
Pro 40 Dually	n/a	2 1/2" - 2 1/2"	55 5/8"	39 3/8"
Pro 40 Wheely	n/a	3 1/4" - 3 1/4"	54 3/4"	39 1/4"
BlackKnight Dually	n/a	2 1/2" - 2 1/2"	55 1/8"	38 1/8"
BlackHawk	0.25	4 1/4"	79"	31 3/8"
BlackHawk₂	0.0	4 1/4"	73 15/16"	30 3/4"
LadyHawk	0.0	4 1/4"	73 15/16"	30 3/4"
TomKat	0.125	4 1/4"	83"	33 1/2"
The Rascal	0.0	4 1/4"	65 9/16"	26 11/16"

*FreedomCam and Dually bows have speed nocks installed at both ends of the bow. All other bows require speed nocks only on the bottom of the string. Measurements are from the axle (top-bottom)



About Speed

If you are truly feeling the need for speed, only one bow company is prepared to meet the challenge, and we aren't afraid to back it up. BowTech produces the fastest bows in the world and every bow is individually lab-tested, and carries a lifetime warranty.

BowTech, with its patented, revolutionary technology, is determined to fulfill the number one demand among archers today: maximum speed to target with exceptional smoothness. BowTech... Taking The Arch Out Of Archery.

How Do Manufacturers Rate Speed?

IBO Speed Ratings are an industry standard of measurement used by all manufacturers. Speed ratings are based on a bow produced with a draw weight of 70# and a draw length of 30" using a five (5) grain per pound arrow (350 grain). Any deviation from these settings causes a drop in arrow velocity. NOTE: The chart below is a general guide for the amount of speed lost when accessories are added to your string.

String Accessory	Speed Loss
Brass Nock	2-4 fps
Peep Sight	3-6 fps
String Silencers	0-6 fps
E-Buttons	2 fps each
Rubber Peep Tube	6-10 fps
String Loop	1-3 fps (without brass nocks)
VibraBlocks	0-2 fps

Speeds vary depending on placement and manufacturer of string added accessories. Speed loss of arrows over the IBO standard of five (5) grains per pound (350 grains @ 70# draw weight):

UniCam

Every 3 grains of added arrow weight results in 1 fps speed loss. Example: 30 grains over IBO would result in 10 fps speed loss.

DualCam

Every 2 grains of added arrow weight results in 1 fps speed loss.

Bow Maintenance & Trouble Shooting

- Use properly spined arrows for all BowTech bows. The minimum arrow weight for this bow should be five grains per pound (IBO).
- Replace the string and cables once a year or every 2,500 shots, whichever comes first, to maintain optimum performance.
- Examine your bow for wear and tear before you shoot (axles, bushings, cables, cable slide, e-clips, and string). If any one of these items shows excessive wear, contact your Authorized BowTech Dealer to have them install new BowTech replacement parts. This keeps your bow shooting consistently without voiding your warranty.
- When adjusting the bow's draw weight on dual cam bows, always keep the bow at even tiller. Tiller is the distance between the string and the point where the back of the limb joins the riser. The tiller at both the top and bottom should be equal (for example: 8" tiller at the top and 8" tiller at the bottom). If the top or bottom tiller is off by as little as 1/8", the bow's performance may be affected.
- When adjusting the bow's draw weight, do not turn the limb bolts out more than 2-1/2 full turns. Each full revolution of the limb bolt equals about 3-5 lbs. Adjusting the weight of the bow adversely affects the bow's performance.
- **WARNING: DO NOT TURN THE LIMB BOLTS OUT MORE THAN THE RECOMMENDED AMOUNT.** Doing so could cause the limbs to break out of their pockets and result in bodily injury.
- Proper lubrication of the axles, bushings, and limb pockets limits wear and tear. Add enough lubricant to these areas to create a barrier between each working part and optimize the performance of the bow. NOTE: Only industry standard lubricants should be used. **DO NOT USE WD-40.**
- Inspect your cam position on a regular basis to make sure the factory setting is maintained (see tuning section for your specific bow)s This ensures the draw length and draw weight remain consistent.
- All BowTech bows use AMO standards for measuring draw lengths, (measured from the pivot point, or throat, of the grip to the bottom of the valley) plus 1-3/4".
- Always use a properly spined arrow for this bow with a minimum weight of five (5) grains per pound (IBO standard). An arrow with legal IBO weight is not necessarily properly spined. The bow must be able to transfer its energy to the arrow without any loss. Likewise, the arrow spine must be able to absorb the bow's energy. If the arrow is not properly spined, it will

Trouble Shooting

kick out, lose speed, and have poor flight. If the arrow is properly spined, it achieves true, straight flight with maximum speed. Use an arrow chart to determine what shaft is needed to fit the specifications of your bow.

- Make sure the weight of the arrow tip is matched to the arrow's shaft strength. If the weight of the tip is too light or too heavy, poor arrow flight occurs. Use an arrow chart to find out what tip weight is needed to match the arrow shaft.

- The arrow nock should be 3/16" to 3/8" above the center of the T-square, depending on the shaft diameter. This is a good starting point to achieve proper arrow flight.

- Make sure the cams are properly tuned as instructed in the tuning section of each model in this owner's manual.

- **Any accessories added to the bow-string cause the bow to lose speed. All speed tests are done only with factory specs.**

- If you need assistance with setting up, tuning, or solving an arrow flight problem, contact your Authorized BowTech Dealer.

LifeTime Warranty

BowTech warranties its bows with a Lifetime Warranty to the original owner with the following exclusions.

Exclusions

1. Original Owner. Warranty applies to the original owner only and is non-transferable.
2. Components Not Covered. Cables, strings, wheel bushings, bearings, paint and/or film dipped finishes are not included in warranty.
3. Damage Not Covered. Damage caused by abuse, mishandling, dry-firing, alteration or modification to original product, or shooting of arrows less than five grains per pound of draw weight may render the warranty void.
4. Warranty Card. For the Warranty to be in effect, the Warranty card must be completed and properly returned to BowTech, with a copy of the purchase receipt, within 30 days of purchase for Warranty to be in effect.
5. Authorized Dealer. The BowTech Warranty covers only bows bought from Authorized BowTech Dealers. Contact BowTech (888-689-1289) to confirm that the person you are buying from is an authorized dealer.

Turn Around Time

Our goal at BowTech with all warranty returns is to have the bow out the door and shipped back to you within 72 hours of receiving it in our facility. You are our greatest asset and we will give you the highest quality, most efficient service in the industry.

Warranty Service

All products returned for warranty service should be returned to the dealer first for inspection and determination of any problem. Your sales representative or a customer service representative can help you determine if factory service is required or if your Pro Shop can repair the problem. The bow owner is responsible for the return freight to BowTech, and BowTech will in turn, pay for the return freight of the repaired product. In the event that a bow must be returned for factory service, a Return Authorization (RA) number must first be obtained through your sales or customer service representative.

Bows returned to the factory without an RA number will be refused. All bows must include the following:

- A large, readable RA number on the outside of the box.
- A copy of the sales receipt, if previously sold.
- Must be sent freight prepaid. No COD shipments will be accepted.
- Do not include accessories unless otherwise instructed. BowTech will not be responsible for loss or damage to any accessory left on the bow when shipped.
- All methods of shipping by UPS or FED-EX only. Sender should insure all shipments.
- If your bow cannot be repaired, we reserve the right to replace your bow with a newer model.
- BowTech reserves the right to make parts substitutions on warranty coverage at BowTech's sole discretion and for any reason.

Safety and General Information

BEFORE USING YOUR NEW BOWTECH, READ AND UNDERSTAND THE FOLLOWING MATERIAL OUTLINED IN THIS MANUAL. FAILURE TO FOLLOW ANY OF THESE WARNINGS AND INSTRUCTIONS CAN DAMAGE THE BOW AND MAY CAUSE SERIOUS INJURY TO YOURSELF AND/OR OTHERS.

Your new BowTech bow is a highly tuned, precise shooting machine. It requires special care and handling to achieve and maintain peak performance. The string, cables, and limbs are under extreme tension, which create an incredible source of energy that must not be taken for granted. Please respect this power and use it properly.

Warning: Never Dry Fire the Bow

NEVER draw a bow without an arrow nocked. Doing so could cause physical injury and/or damage the bow. When drawing a bow for inspection or demonstration, never release the string at full draw to let down. Hold onto the string and do not let it slip out of your hands. Without the resistance of a properly weighted arrow to absorb the energy, you may damage the bow and cause personal injury to you and others.

Adult Supervision Required

ADULT SUPERVISION OF ALL CHILDREN UNDER THE AGE OF 18 IS REQUIRED. A BOWTECH BOW IS NOT RECOMMENDED FOR CHILDREN UNDER SEVEN (7) YEARS OF AGE.

BowTech has designed your bow to be a safe and fun product. However, as with any shooting style product, safety rules must be observed. It is HIGHLY recommended that these rules be read before using any bow.

Bows and arrows are NOT toys. For maximum safety and enjoyment, always exercise caution, common sense, and safety rules when shooting any bow.

Always use an appropriate backstop for maximum safety. An appropriate backstop must be constructed of a durable material and must extend beyond the perimeter of the target. The recommended backstop size is determined by the accuracy and ability of the shooter. The lower the level of accuracy, the larger the perimeter required.

NEVER aim or draw any bow in the direction of a person. Aim and draw ONLY in the direction of an appropriate target. ALWAYS have a full view of the path to the target and beyond when shooting.

NOTE: Lead-off shots should be taken at closer ranges until the shooter is more accurate and comfortable at longer distances.

ALWAYS inspect arrow and fletching prior to shooting for imperfections such as cracks, splits, or splinters. Damaged arrows must not be used and should be destroyed.

NEVER retrieve arrows or allow anyone else to do so until all arrows have been shot.

NEVER draw the bow without properly adjusted limb bolts (no more than 2-1/2 turns off peak weight). Make sure the cables and string are properly attached to the correct post and in the correct tracks in order to avoid possible injury.

DO NOT attach anything to the cables or string that could cause them to wear or become cut. This will void the warranty.

DO NOT, under any circumstances, change a cam bushing yourself. Any resulting damage would void the warranty. See an Authorized BowTech Dealer for proper replacement.

DO NOT cross cables above the cable rod. This will have an adverse effect on performance and shootability.

Any alteration from the factory specifications or the adjustments outlined herein will void the factory warranty. ALL maintenance must be performed at an Authorized BowTech Dealer.

Disclaimer of Liability

By accepting a BowTech archery product, buyer agrees to hold harmless BowTech and all associated parties from liability for any damage to persons or property which may result, for any reason, by use of this product.

If you have any questions about the safety or use of any BowTech product, contact an Authorized BowTech Dealer or call BowTech direct at (541) 284-4711.

Speed Rating Chart

<i>The InfinityCam</i>	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"
Extreme VFT			271-279	281-289	291-299	301-309	311-319	325-333		
Patriot VFT			269-277	279-287	289-297	299-307	309-317	320-328		
MightyMite VFT			263-271	273-281	283-291	293-301	303-311	314-322		
BlackHawk			257-265	267-275	277-285	287-295	297-305	309-317		
TomKat					257-265	266-274	275-283	284-292	293-301	302-310
<i>The FreedomCam</i>										
Liberty VFT			249-257	259-267	269-277	279-287	289-297	300-308		
Justice VFT			245-253	255-263	265-273	275-283	285-293	296-304		
Pro40					261-269	271-279	281-289	292-300	298-306	306-314
<i>The Duallys</i>										
Patriot Dually VFT				286-294	296-304	306-314	316-324	326-334	332-340	
BlackKnight			291-299	300-306	307-315	317-325	328-336	342-350		
Pro40 Dually				288-296	298-306	308-316	318-326	328-336	336-342	
Pro40 Wheely	232-240	242-250	252-260	262-270	272-280	282-290	292-300	304-312		
<i>The RascalCam</i>										
BlackHawk₂	235-243	244-252	253-261	262-270						
LadyHawk	235-243	244-252	253-261	262-270						
Rascal			256-262							

Module Chart

<i>The InfinityCam</i>	Mod	19	20	21	22	23	24	24.5	25	25.5	26	26.5	27	27.5	28	28.5	29	29.5	30	30.5	31	31.5	32
Extreme VFT	I								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
Patriot VFT	N								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
MightyMite VFT	N								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
BlackHawk	I								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
TomKat	I												6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1
<i>The FreedomCam</i>																							
Liberty VFT	F								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
Justice VFT	F								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
Pro40	F												6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1
<i>The Duallys</i>																							
Patriot Dually VFT	DC										6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1		
BlackKnight	DC								6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1				
Pro40 Dually	DC										6	5.5	5	4.5	4	3.5	3	2.5	2	1.5	1		
Pro40 Wheely	W					8	7		6		5		4		3		2		1				
<i>The RascalCam</i>																							
BlackHawk₂	R		7	6	5	4	3		2		1												
LadyHawk	R		7	6	5	4	3		2		1												
Rascal	R	7	6	5	4	3	2		1														

W and R mods are available in 65% let-off (WL and RL Mods)

80% Draw Post Settings

<i>The InfinityCam</i>	#1 Mod Draw•Set	#1.5 Mod Draw•Set	#2 Mod Draw•Set	#2.5 Mod Draw•Set	#3 Mod Draw•Set	#3.5 Mod Draw•Set	#4 Mod Draw•Set	#4.5 Mod Draw•Set	#5 Mod Draw•Set	#5.5 Mod Draw•Set	#6 Mod Draw•Set
Extreme VFT	30 • 4.6	29.5 • 5.7	29 • 6.8	28.5 • 7.4	28 • 7.9	27.5 • 8.5	27 • 9.1	26.5 • 9.6	26 • 10.1	25.5 • 10.7	25 • 11.2
Patriot VFT	30 • 4.8	29.5 • 6.0	29 • 6.5	28.5 • 7.3	28 • 8.0	27.5 • 8.8	27 • 9.1	26.5 • 10.1	26 • 10.3	25.5 • 11.4	25 • 11.5
MightyMite VFT	30 • 4.5	29.5 • 5.5	29 • 6.5	28.5 • 7.1	28 • 7.7	27.5 • 8.3	27 • 8.8	26.5 • 9.5	26 • 10.1	25.5 • 10.7	25 • 11.3
BlackHawk	30 • 4.0	29.5 • 4.5	29 • 5.0	28.5 • 5.8	28 • 6.5	27.5 • 7.2	27 • 7.8	26.5 • 8.4	26 • 9.0	25.5 • 9.5	25 • 10.0
TomKat	32 • 3.3	31.5 • 4.3	31 • 5.2	30.5 • 5.8	30 • 6.3	29.5 • 7.0	29 • 7.6	28.5 • 8.2	28 • 8.8	27.5 • 9.4	27 • 9.9
<i>The FreedomCam</i>											
Liberty VFT	30 • 5.4	29.5 • 6.4	29 • 6.7	28.5 • 7.4	28 • 8.0	27.5 • 8.6	27 • 9.1	26.5 • 9.7	26 • 10.2	25.5 • 11.0	25 • 11.3
Justice VFT	30 • 4.8	29.5 • 6.7	29 • 6.2	28.5 • 8.0	28 • 7.4	27.5 • 9.2	27 • 8.7	26.5 • 10.5	26 • 10.1	25.5 • 12.0	25 • 11.5
Pro40	32 • 4.6	31.5 • 5.3	31 • 5.9	30.5 • 6.6	30 • 7.2	29.5 • 7.7	29 • 8.2	28.5 • 8.7	28 • 9.2	27.5 • 9.7	27 • 10.2

65% Draw Post Settings (check BowTechArchery.com for updates to come)

<i>The InfinityCam</i>	#1 Mod Draw•Set	#1.5 Mod Draw•Set	#2 Mod Draw•Set	#2.5 Mod Draw•Set	#3 Mod Draw•Set	#3.5 Mod Draw•Set	#4 Mod Draw•Set	#4.5 Mod Draw•Set	#5 Mod Draw•Set	#5.5 Mod Draw•Set	#6 Mod Draw•Set
Extreme VFT			29 • 5.3		28 • 7.2		27 • 8.3		26 • 9.7		25 • 10.6
Patriot VFT		29 • 6.5		28 • 8.0		27 • 9.3		26 • 10.5		25 • 11.9	
MightyMite VFT											
BlackHawk			29 • 5.0		28 • 6.1		27 • 7.6		26 • 8.8		25 • 10.0
TomKat			31 • 4.3		30 • 6.2		29 • 7.3		28 • 8.7		27 • 9.8
<i>The FreedomCam</i>											
Liberty VFT		29 • 7.0		28 • 8.0		27 • 9.1		26 • 10.3		25 • 11.8	
Justice VFT		29 • 6.1		28 • 7.4		27 • 8.6		26 • 9.9		25 • 11.5	
Pro40											

Quick Reference Guide

<i>The InfinityCam</i>	<i>Axle to Axle</i>	<i>Brace Height</i>	<i>Draw Length</i>	<i>Draw Weight</i>	<i>IBO Speed</i>	<i>MSR</i>
Extreme VFT	34 1/16"	6 5/8"	25" - 30"	40-50-60-70	325-333 fps	\$649
Patriot VFT	33"	7"	25" - 30"	50-60-70-80	320-328 fps	\$719
MightyMite VFT	30 1/2"	7 3/4"	25" - 30"	50-60-70	314-322 fps	\$619
BlackHawk	28 7/8"	8"	25" - 30"	40-50-60-70	309-317 fps	\$499
TomKat	31"	9 1/8"	27" - 32"	60-70	284-292 fps	\$479
<i>The FreedomCam</i>						
Liberty VFT	33 1/4"	7 1/2"	25" - 30"	50-60-70-80	300-308 fps	\$729
Justice VFT	31 1/4"	8"	25" - 30"	50-60-70-80	296-304 fps	\$639
Pro 40	37 1/2"	8 1/4"	27" - 32"	50-60-70	292-300 fps	\$729
<i>The Dually's</i>						
Patriot VFT Dually	35 1/8"	7 5/8"	26" - 31"	50-60-70	326-334 fps	\$729
BlackKnight	36 1/4"	5 3/4"	25" - 30"	50-60-70	342-350 fps	\$749
Pro 40 Dually	37 1/8"	7"	26" - 31"	50-60-70	328-336 fps	\$749
Pro 40 Wheely	38"	7 1/4"	23" - 30"	40-50-60-70-80	304-312 fps	\$749
<i>The RascalCam</i>						
BlackHawk₂	29"	7 1/2"	21" - 27"	30-40-50-60	262-270 fps*	\$499
LadyHawk	29"	7 1/2"	21" - 27"	30-40-50-60	262-270 fps*	\$499
Rascal	24 1/2"	7 1/4"	19" - 25"	20-30-40	256-262 fps*	\$279

*IBO speed ratings are the industry standard and are calculated by shooting a 350-grain arrow using a 70# bow with a 30" draw. Speeds for the BlackHawk₂ and LadyHawk are based on a 300-grain arrow shot at 60# with a 26" draw. The Rascal speed is achieved using a 200-grain arrow shot at 40# with a 25" draw. Peak draw weights are adjustable approximately 10 pounds downward depending on the model. Draw length modules are available in 1" and 1/2" increments on all models except the Pro 40 Wheely, Rascal, BlackHawk₂ and LadyHawk, which come in increments of 1". The InfinityCam and FreedomCam, have an adjustable let-off range of 65% to 80%. The Pro 40 Wheely, BlackHawk₂, LadyHawk, and Rascal are available with either 65% or 80% let-off modules. All dual-cam models are at 65% let-off. Digital scales used for peak draw and arrow weights have a variance of +/- 1%.