

DAS BOWS

IT'S ALL ABOUT FINE TUNING



Manufactured and Distributed by The Experts

 **3Rivers Archery**
LONGBOW & RECURVE EXPERTS

DAS BOWS

Thank you for choosing DAS Bows, the most versatile traditional takedown bow on the market! We are confident you will be impressed with the Versatility, Precision, Strength, and Silence that DAS Bows presents.

DAS Bows is proudly made in the U.S.A. Crafted with American Made Quality and manufactured by 3Rivers Archery, The Longbow and Recurve Experts. Leading the industry with more than 25 years of unsurpassed expertise, our staff of experts boasts over 250 years of combined traditional and primitive archery experience.

Please take this opportunity to read the DAS Bows Owner's Manual. You will find helpful information to assist in fine tuning your DAS Bow to your individual shooting style.

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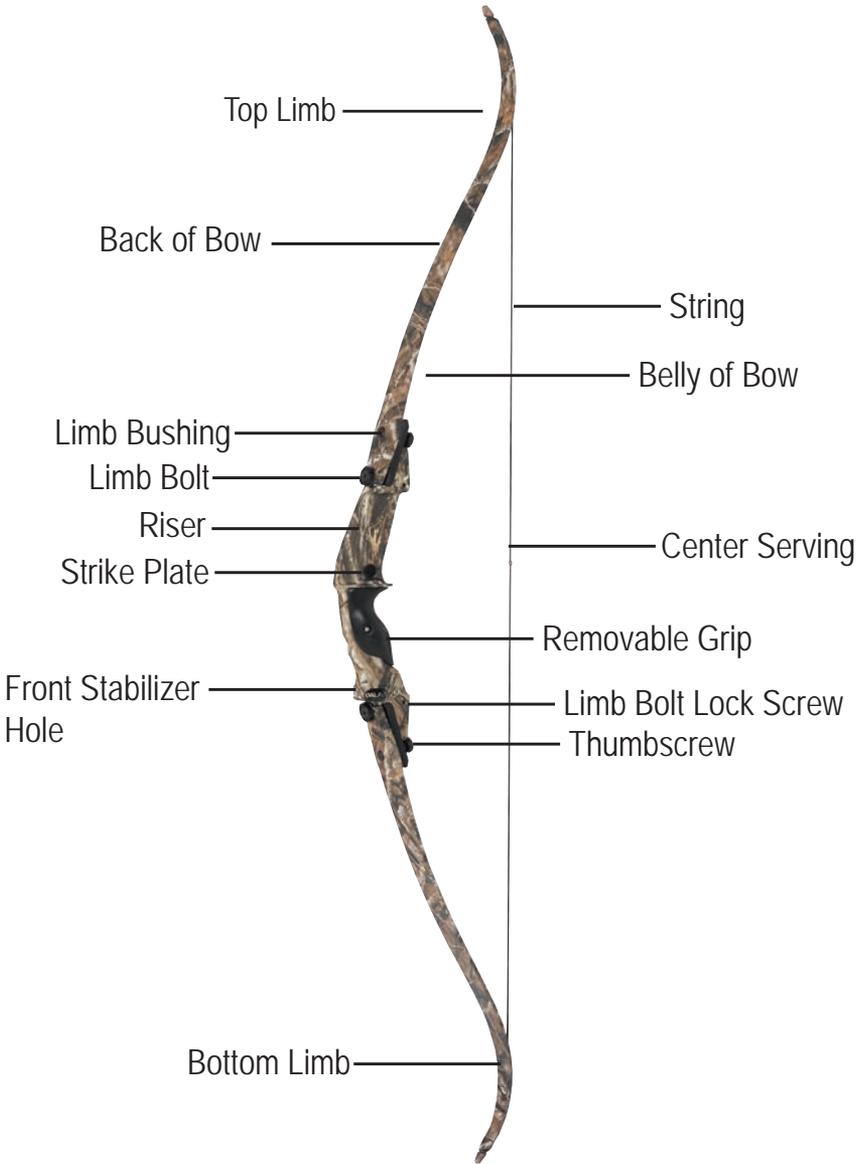
CAUTION

THIS IS A LETHAL HUNTING WEAPON - USE CAUTION AND GOOD JUDGEMENT WHEN OPERATING.

1. To prevent personal injury, always use a bow stringer to string the bow.
2. Never release bowstring without an arrow (do not dry-fire). Doing so can cause bow failure which could lead to serious bodily injury.
3. Children should always have adult supervision when operating a bow. We highly recommend a Bow Hunter Safety class before use.
4. Store bow in a cool, dry place and avoid prolonged exposure to excessive heat and moisture. Failure to do so could cause damage to limbs and result in bow failure, which could lead to serious bodily injury.
5. When storing bow strung, hang on a bow rack.
6. For long term storage, store bow unstrung on a bow rack, in a cool, dry place.

FUNDAMENTALS

Understanding the fundamentals of DAS Bows will allow for ease of setup. Please take this opportunity to familiarize yourself with the information listed below. It may be helpful to reference the illustration when first setting up your bow.



BOW LENGTH

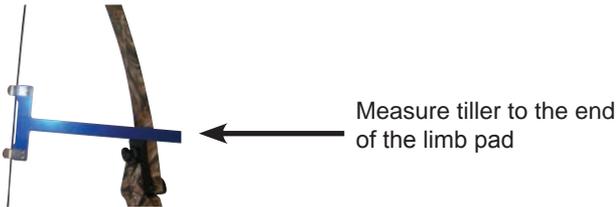
Bow length is the distance from the tip of the top limb to the tip of the bottom limb of an unstrung bow. Bow length must be measured from string groove of top limb to string groove of bottom limb by following the contour of the back of the bow.

DRAW WEIGHT

The maximum draw weight attainable at your draw length, with any given limb, must never exceed $\pm 5\%$ of the limbs set draw weight at 28". Doing so will void the warranty, and may result in bow damage and/or personal injury. For example, a Dala with the factory weight of 50 lbs. should never be adjusted below/above 47.5 lbs. - 52.5 lbs at a 28" draw.

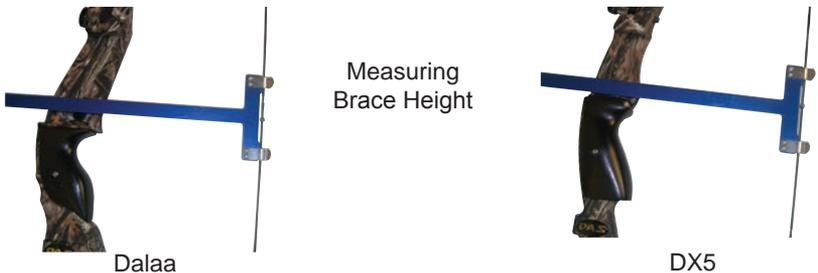
TILLER

The difference between the top limb and bottom limb measurements from the bow string to the belly at the limb pads. The intent of tillering is to achieve the most efficient and accurate flex of the limbs at full draw as related to your shooting style (split finger, three fingers under, etc.). Allows limbs to flex equally at full draw.



BRACE HEIGHT

The measurement from center of plunger hole to string when the bow is braced (strung).



COMPONENTS

DAS RISERS

DALAA - Recurve Model

Dalaa risers offer maximum versatility in a modern recurve. Proprietary DAS limb connection offers Olympic performance combined with fine tunability. Riser is cut 3/8" past center for maximum arrow tunability and performance. High radiused shelf with an adjustable side plate allows for ultimate off of the shelf shooting. An elevated rest and plunger may also be used as an alternate shooting style. Accepts DAS recurve or longbow limbs. Tapped for ATA/AMO accessory and sight mounting holes (10-24), DAS accessories, and front stabilizer inserts.

17" Dalaa Riser - Engineered for the recurve bowhunter with the perfect hunting bow lengths and natural point-ability.

21" Dalaa Riser - Fits the needs of the target archer, 3D shooter, and recurve bowhunters with a longer draw length. Includes dual plunger holes.

21" Dalaa ILF Riser - Enjoy the ILF limbs you already have with the precision, natural balance, and custom fit of a Dalaa 21" riser. Includes dual plunger holes.



DX5 - Longbow Model

A combination of recurve technology and longbow design to create the ultimate modern longbow. Uses proprietary DAS limb connection. Riser is cut 5/16" past center for maximum arrow tunability and performance. Radiused shelf with adjustable side plate allows for ultimate off of the shelf shooting. An elevated rest and plunger may also be used as an alternate shooting style. Use with DAS longbow limbs for maximum longbow performance or DAS recurve limbs for a sleek recurve. Tapped for ATA/AMO accessory and sight mounting holes (10-24), DAS accessories, dual plunger, and front stabilizer inserts.



DAS LIMBS

Foam Core

Smooth drawing, fast speeds, stability, and solid performance. Weather conditions have zero effect on limb performance. "Stabil-Kore™" offers a light weight material which gives lateral flexibility. SA5 Carbon Composite in both Bias and Unidirectional Weave for ultimate flexibility.

Wood Core

High quality Maple core limbs are smooth shooting and cost effective.

Options: Length and bow weight @ 28" in Mathews® Lost Camo or Black.

DAS Longbow Limbs

Pair with a DX5 longbow riser for the ultimate modern reflex-deflex longbow. Matched with a Dalaa recurve riser they provide the are same hard hitting performance and smoother drawing at longer lengths.

DAS Recurve Limbs

Pair with a Dalaa recurve riser for the perfect balance of speed and performance. Match with a DX5 longbow riser for compact versatility.

DAS Longbow Limbs			
Limbs	15" Riser	17" Riser	21" Riser
Medium	58" 40-60#	60" 40-60#	64" 35-55#
Long	60" 40-60#	62" 40-60#	66" 35-55#
X-Long	62" 40-60#	64" 40-60#	68" 35-55#

DAS Recurve Limbs			
Limbs	15" Riser	17" Riser	21" Riser
Short	56" 40-60#	58" 40-60#	62" 35-55#
Medium	58" 40-60#	60" 40-60#	64" 35-55#
Long	60" 40-60#	62" 40-60#	66" 35-55#

DAS GRIPS

"Always Warm™" Dual Poly DAS Grip

Get precise hand placement, positive grip, and durability. The smooth body of the grip allows the hand to slip effortlessly into position, even with sweaty or rain soaked hands. Material offers exceptionally low thermal transmission for a feel even warmer than wood.

Options:

Dalaa - Ex-Low, Low, Standard, or High, in right or left hand.

DX5 - Standard or High, in right or left hand.

DAS BOW STRINGS

DAS Bow Length	Dalaa		DX5	
	Longbow Limbs	Recurve Limbs	Longbow Limbs	Recurve Limbs
	Actual String Length			
56"				53"
58"		54"	56"	55"
60"	57"	56"	58"	57"
62"	59"	58"	60"	
64"	61"	60"		
66"	63"	62"		
68"	65"			

High performance strings are compatible with all DAS Bows.

DAS strings are made with 16-strand Astro Flight.

ASSEMBLY

LIMB ASSEMBLY

Attaching the limbs to the riser:

1. Identify top and bottom limbs. Can be found on the label located at the butt of limb on the belly side.



2. Guide and nestle limb butt onto limb bolt. Only connect top limb bolt to top limb, vice versa.



3. Align limb bushing with thumbscrew.



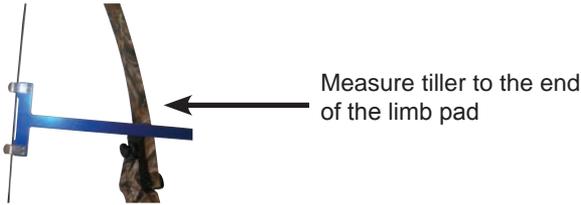
4. Tighten thumb screw until it is snug to secure limb.



Note: The limb is intended to float in the fitting, not be pinned down by it.

TILLER AND WEIGHT ADJUSTMENTS

The difference between the top limb and bottom limb measurements from the bow string to the belly at the limb pads. The intent of tillering is to achieve the most efficient and accurate flex of the limbs at full draw as related to your shooting style (split finger, three fingers under, etc.). Tiller allows limbs to flex equally at full draw.



The bow is pre-set with factory even tiller and weight adjustments. No further adjustment is usually needed. However, for specific tuning needs, tiller and weight can be adjusted. The DAS Bow's geometry usually works best with the tiller between 0 and +1/4". Positive tiller is achieved with the lower limb measurement being smaller than the top limb measurement. For example, if the top limb measurement equals 6" and the bottom limb measurements equals 5 7/8", then the tiller is positive 1/8".

If adjustments are necessary, follow the steps as outlined below.

Please note: Adjustments must be limited to 2 complete revolutions of the limb bolt. Adjustments exceeding these specifications may adversely affect the performance of your bow and will void warranty.

Adjustments should be made with the bow unstrung.

To adjust tiller without changing the draw weight:

1. Loosen the limb bolt locking screws on top and bottom limbs. See illustration below.
2. Turn the top and bottom limb bolts equal revolutions in opposite directions. For example, turn the bottom limb bolt clockwise 1 turn and top limb bolt counter-clockwise 1 turn.
3. Tighten all limb bolt locking screws until snug. ***Do not over tighten!***



To adjust weight without changing tiller, adjust both limb bolts clockwise equal revolutions to increase weight, or counter-clockwise to decrease weight.

STRIKE PLATE ADJUSTMENTS

The strike plate is fully adjustable for centershot. Factory set at 1/8" past center. To fine tune centershot, loosen the locking screw on the non-shelf side of the riser. Adjust the plate until desired centershot is achieved. Tighten the locking screw. See illustrations below.



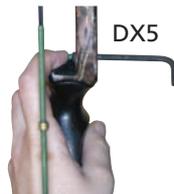
Dalaa



DX5



Dalaa



DX5

Locking screw for strike plate

Hold the plate while loosening or tightening the collar

BRACE HEIGHT

The measurement from center of plunger hole to string when the bow is braced (strung). Proper brace height will provide the most efficient bow energy transfer to the arrow, resulting in optimum arrow flight. The brace height is factory set, additional adjustments are usually not required. However, brace height can be adjusted by using a longer or shorter string.



Dalaa

Measuring
Brace Height



DX5

Recommended Brace Height for DAS Bows			
DX5		Dalaa	
Longbow Limbs	Recurve Limbs	Longbow Limbs	Recurve Limbs
7" - 7 3/4"	7 3/4" - 8 1/2"	7" - 7 3/4"	7 3/4" - 8 1/2"

NOCK POSITION

Nock position is typically very low due to the exceptionally well balanced geometry of the riser. A good starting point is with the string nock approximately 1/8" to 3/8" above level.

STRINGING YOUR BOW

Always use a bow stringer when stringing the bow. Follow the directions included with the bow stringer.

NEVER use the step-through OR the Push-Pull methods to string the bow.

ACCESSORIES

DAS Bows can accept any AMO/ATA standard accessory.

ELEVATED REST/PLUNGER

DAS risers are compatible with most elevated rest components designed for narrow sight windows. The DAS "Shorty" Hunting Plunger is designed specifically for this riser. It works well coupled with any flipper rest, such as the Champion II. Use of this system provides unparalleled tune-ability and arrow flight for maximum accuracy and penetration on game.



Plunger on the DX5



Flipper position

QUIVER INSTALLATION

Attach quiver to riser using AMO/ATA accessory holes.



TightSpot™ quiver mount, attached with two screws and washers



TightSpot™ quiver mount shown in vertical position.

SRF SIGHT INSTALLATION

The SRF sight may be installed using the Universal AMO Bracket. See illustrations below.



Shown on the Dalaa using the Universal AMO Bracket

Note: You must use the nylon washers to prevent the screws from going through and hitting the riser. Always check to be sure they stop in the bracket.

MAINTENANCE AND CARE

Non-compliance of care instructions will void product warranty.

DAS Bows are a complex mechanical device containing over 40 parts. Nonetheless, it is one of the quietest recurve bows. It is important that all the various screws and parts are checked occasionally for tightness.

Limbs that are factory painted or film dipped can be cleaned with damp cloth. Never use a solvent to clean risers or limbs, such as acetone.

Grips may be cleaned with warm water and hand soaps.

Never expose the riser, strings, or limbs to excessive heat, such as leaving in car on a hot summer day.

Never use any heat process in excess of 200°F to coat or paint the riser.

Components made of alloy steel should be lightly coated with oil to prevent corrosion.

A tip protector is recommended on the lower limb. Failing to do so risks excessive wear that will not be covered by the warranty.

Never dry fire the bow, or fire the bow with arrows of less than 6 grains/pound of draw weight. For example, a 50# bow drawn to 28" should not shoot an arrow weighing less than 300 grains. $50 \times 6 = 300\text{gr}$. Failing to do so will void warranty.

WARRANTY

If your Das Bow is damaged as a result of normal use and you seek to have it repaired or replaced, simply return it to us with adequate proof of purchase.

- If your Bow was purchased within the last twelve (12) months, Three Rivers Archery will repair or replace it at our option without any additional costs to you.
- If your Bow was purchased within the last 13 to 24 months, Three Rivers Archery will repair or replace it at our option for payment of fifty percent (50%) of the current retail price of the same model bow.
- If more than 25 months have passed from the purchase of your Bow, Three Rivers Archery will repair or replace it at our option for payment of seventy-five percent (75%) of the current retail price of the same model bow.

This limited warranty is for the original owner only, with adequate proof of purchase, and is non-transferrable. If you have any questions about the limited warranty or the proper use of your DAS Bow, please reference the owner's manual or call 3Rivers Archery at 866-587-9501

SATISFACTION GUARANTEED

If you are unhappy with your Das Bow, simply return it to us in new condition within 30 days of purchase date for a full product refund of your purchase price. You are responsible for all shipping and handling costs incurred (both to and from our facility).

Three Rivers Archery Supply, Inc. provides a limited lifetime warranty for your DAS Bow as long as it is properly maintained and used. No other warranty is provided. The limited warranty covers only those defects that arise as a result of normal use of your DAS Bow and does not cover any other problems, including those that arise as a result of improper use, maintenance, or modification. TO THE FULLEST EXTENT ALLOWED BY INDIANA LAW: (1) NEITHER THREE RIVERS ARCHERY SUPPLY, INC. NOR ITS THIRD PARTY SUPPLIERS MAKES ANY OTHER WARRANTY OR CONDITION OF ANY KIND, WHETHER EXPRESS OR IMPLIED; (2) THE IMPLIED WARRANTIES OF MERCHANTABILITY, SATISFACTORY QUALITY, AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY DISCLAIMED; (3) THE REMEDIES PROVIDED IN THIS LIMITED WARRANTY STATEMENT IS THE BUYER'S SOLE AND EXCLUSIVE REMEDIES; AND (4) EXCEPT FOR THE OBLIGATIONS SPECIFICALLY SET FORTH IN THIS LIMITED WARRANTY STATEMENT, IN NO EVENT SHALL THREE RIVERS ARCHERY SUPPLY, INC. OR ITS THIRD PARTY SUPPLIERS BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, WHETHER BASED ON CONTRACT, TORT, OR ANY OTHER LEGAL THEORY, AND REGARDLESS OF WHETHER ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

FACTORY SETTINGS OF YOUR DAS BOY

Brace Height: _____

Tiller: _____

Limb Weight (Actual): _____

Limb Serial #: _____

Setup by 3Rivers Tech Expert: _____

