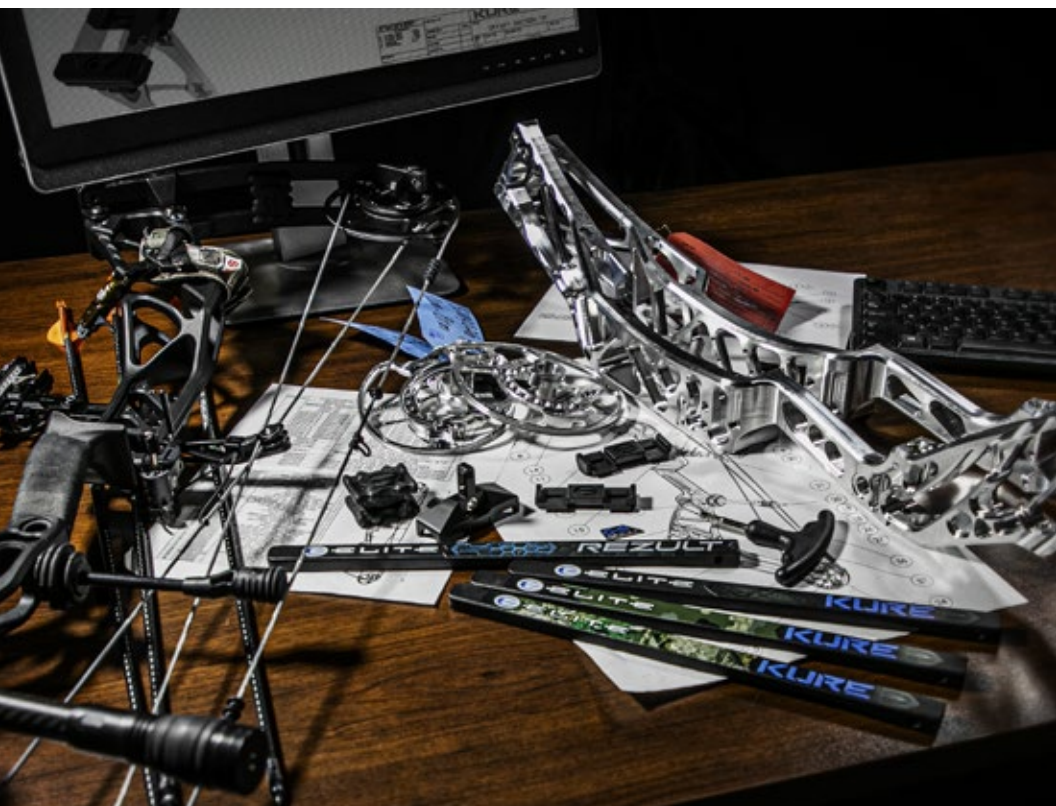




# ELITE®

THE WORLD'S MOST SHOOTABLE BOW™



## 2020 TECHNICAL MANUAL

TUNING AND TECHNICAL INFORMATION

KURE, REZULT, EMBER, VALOR, RITUAL 35, RITUAL 30,  
RITUAL, REVOL XL

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Please read the following safety information before using your bow. Failure to follow these warnings may cause serious injury or death to yourself or to others and may cause damage to your bow.

**WARNING: ELITE BOWS MUST BE PRESSED ONLY IN APPROVED BOW PRESSES. PLEASE VISIT [ELITEARCHERY.COM](http://ELITEARCHERY.COM) FOR A LIST OF PRESSES.**

Elite bows should be serviced by qualified Elite Archery Dealers.

**1. Always Remember Safety is Your Highest Priority.** Make sure you are properly trained in the use of your bow before using it, unless you are using the bow under the supervision of a qualified instructor. Failure to receive proper instruction for the use of your bow can result in serious injury or death. Wear safety glasses when working on or shooting your bow. Please note the location of others when using your bow. Keep out of reach of children unless under adult supervision. Do not run while carrying arrows. Never draw, aim, or fire your bow in the direction of another person, and never shoot an arrow straight up.

**2. Use of Overdraw.** Elite recommends that you only shoot an arrow if the point of the arrow is at least 2 inches past the shelf of the bow. The use of an overdraw that allows a shooter to draw the point of the arrow past the shelf of the bow significantly increases the risk of injury to the shooter.

**3. Do Not Permanently Remove the Draw Stop Post.** The Draw Stop Post is used to ensure that you do not overdraw your bow. Do not permanently remove the Draw Stop Post as this can cause bodily injury or death and will void any warranties for this product.

**4. Carefully Inspect Your Bow Before Each Use.** Carefully note the condition of the bow before you shoot. Replace all frayed bowstrings. Report damaged cams, risers, limbs, or other parts of your bow to your local dealer for inspection or replacement. Using a damaged bow may result in serious injury or additional damage to the bow.

**5. Inspect All Arrows.** Before shooting, inspect your arrows for defects and discard cracked, splintered, or dented shafts. Never assume any arrow is safe, even a new arrow. To inspect an arrow, grasp it on both ends and flex it away from yourself and others with a deflection of 1 to 2 inches while visibly and audibly checking for splinters, cracks, or nicks. Visually inspect the entire arrow (including the nock) and never shoot a damaged arrow as this can cause serious damage to your bow and may injure the shooter or others nearby. Also, a cracked nock can break when fired and cause the bow to dry-fire.

**6. Replacement or Installation of parts.** We recommend replacement or installation of any item on your bow (such as a stabilizer, bow string, etc.) by a local dealer properly qualified and trained to install such part(s). Use of your bow after faulty installation of a component part may cause personal injury or damage to your bow. It is strictly the responsibility of the user to ensure that your bow is used correctly.

**7. Never Dry-Fire Your Bow.** Dry-firing means to draw and release the bowstring without an arrow on the string. This can cause severe damage to your bow and possible injury to yourself or others. Let down the bow slowly and carefully from any drawn position. Never draw a bow that does not fit your size or strength. Damage caused by dry-fire will not be covered under warranty. If, however, you dry-fire your bow for any reason, please inspect it for damage, cracking, or splintering and replace any damaged parts. Also, make sure your arrow's nock is properly on the string before firing your bow as an improperly nocked arrow may cause your bow to dry-fire.

**8. Minimum Arrow Weight.** Shooting underweight arrows has the same effect as dry-firing a bow and can cause serious injury. Do not use an arrow that is less than 5 grains per pound of bow draw weight.

**9. Types of Arrows.** Do not use wooden or fiberglass arrows. They are not designed for use with this bow and may cause serious injury.

**10. Never Expose Your Bow to Extreme Heat or Prolonged Moisture.** Excessive heat, such as a sunny day inside a closed vehicle, may cause component failure. Store the bow properly when not in use. Damage caused by extreme exposure will not be covered under warranty.

**11. Be Sure of Your Backstop.** Since an arrow can travel a great distance, make sure that your backstop is large enough to catch a stray arrow and that it is thick enough to fully stop the arrow. Make sure to position your backstop in a safe direction away from people, livestock, buildings, and roads.

**12. Be Sure of Your Target.** Always be aware of the location of other people. Hunters often wear camouflage and can be difficult to identify. Never aim at anything you do not intend to shoot and never draw or shoot when anyone is between you and your target. Also make sure there are no people, livestock, buildings, roads, or other objects behind or near your target. Be absolutely sure of your target when shooting in low light conditions.

**13. Never Modify Your Bow.** Never modify any part of the bow or its components. This voids any and all warranties for your bow and may cause safety risks.

**14. Read and Heed All Warnings.** Always read warning labels of any other product being used in conjunction with this bow and adhere to those safety guidelines.

# KURE

<b>AXLE TO AXLE</b>	31 13/16" +/- 1/8"
<b>BRACE HEIGHT</b>	6 9/16" +/- 1/8"
<b>STRING</b>	58 3/16"
<b>CABLE</b>	35 15/16"
<b>PEAK WEIGHTS</b>	40, 50, 60, 65, 70 LBS
<b>MASS WEIGHT</b>	4.6 LBS
<b>LET OFF</b>	70% - 90%



HUNTING



3D



FIELD



INDOOR

MOD POSITION	DRAW LENGTH*	IBO SPEED RATING (FPS)*
1	30"	335 FPS
2	29.5"	330 FPS
3	29"	325 FPS
4	28.5"	320 FPS
5	28"	315 FPS
6	27.5"	310 FPS
7	27"	305 FPS
8	26.5"	300 FPS
9	26"	295 FPS
10	25.5"	290 FPS
11	25"	285 FPS
12	24.5"	280 FPS
13	24"	275 FPS
14	23.5"	270 FPS
15	23"	265 FPS

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

\*DRAW LENGTH AND SPEED MEASURED AT 80% LET OFF. FOR 90% LET OFF, ADD 1/2 INCH TO DRAW LENGTH

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# RESULT

<b>AXLE TO AXLE</b>	37 3/4" +/- 1/8"
<b>BRACE HEIGHT</b>	7 1/4" +/- 1/8"
<b>STRING</b>	60 3/4"
<b>CABLE</b>	41 3/4"
<b>PEAK WEIGHTS</b>	40, 50, 55, 60, 70
<b>MASS WEIGHT</b>	4.7 LBS
<b>LET OFF</b>	70% - 90%



HUNTING



3D



FIELD



INDOOR

MOD POSITION	DRAW LENGTH*	IBO SPEED RATING (FPS)*
1	31"	335 FPS
2	30.5"	330 FPS
3	30"	325 FPS
4	29.5"	320 FPS
5	29"	315 FPS
6	28.5"	310 FPS
7	28"	305 FPS
8	27.5"	300 FPS
9	27"	295 FPS
10	26.5"	290 FPS
11	26"	285 FPS
12	25.5"	280 FPS
13	25"	275 FPS
14	24.5"	270 FPS
15	24"	265 FPS

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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# S.E.T. TECHNOLOGY

## OVERVIEW:

SET Technology is a micro adjustable tuning system exclusive to Elite Archery. S.E.T., or Simplified Exact Tuning, Technology is designed to eliminate the time and frustration that can be associated with tuning modern compound bows. SET allows the archer to micro adjust the angle of the limb pocket pivot, providing the easiest, and most effective tuning method on the market without the need of a bow press. The effect of adjusting SET Technology is similar to “Yoke Tuning” or “Shimming” but has been engineered to be more effective and easier, all you need is a 5/32” hex key. Adjusting the SET system will rotate the pocket pivot around the pivot shoulder screw to correct for a Tail Right or a Tail Left condition. SET technology is a very effective tuning method, which does not require a large adjustment to see the results in tuning. Start with small adjustments (1/4 turn) following the process below. The total adjustment range of SET is restricted to 1.5 revolutions of the adjustment screw.

## HOW TO ADJUST:

1. Observe the output of how your bow is shooting (Tail Right, Tail Left Etc)
2. Loosen the lock down screw on the shooter-facing side of the riser
3. Rotate adjustment screw
  - a. Clockwise for a Tail (Nock) Right Tear
  - b. Counter Clockwise for a Tail (Nock) Left Tear
4. Tighten lock down screw
5. Check – reset centershot rest position (see below on setting centershot)

## CAM PITCH:

Adjusting SET will affect the pitch (lean) of the cams, similar to “Yoke Tuning.” Adjusting SET should always be done evenly to the top and bottom of the bow to maintain the same pitch on the TOP and BOTTOM cams at an undrawn position. To check this lay an arrow along the side of the cam pointing toward the other end of the bow, ensuring it is not coming in contact with (Speed Button, String Suppressor) and note the angle of the arrow vs the string. Re-check the cam at the other end of the bow and adjust SET evenly.

## SETTING CENTERSHOT POSITION OF ARROW REST:

After making an adjustment the archer should recheck the position of their arrow rest to make sure the arrow is running parallel with the riser. Adjusting SET will make slight changes to the center shot position of the string, and the arrow rest should be re-centered. To check this, nock an arrow and place it on your arrow rest.

Hold another arrow (or straight edge) along the inside of the riser and confirm the two arrows are parallel to one another. As the position of the pocket pivot (no capital P) changes while adjusting SET, the centershot position of the string will change. For this reason, the archer should maintain the arrow running parallel to the riser and ignore a fixed centershot dimension.

**Example:** When adjusting SET for a Tail Right condition, the centershot position of the string will move slightly to the left (RH bow). Adjusting the arrow rest to the left to re-square the arrow to the riser will provide the most effective adjustments.

### **FACTORY SETTING:**

From the factory your Elite bow equipped with SET technology will be shipped in the middle of the adjustment range, with matching pitch on the top and bottom cams. The amount and direction of the pre-set pitch will be set by Elite Technicians based on a neutral starting point for tuning that model of bow.

### **SHIMMING CAMS:**

SET technology should replace the need for shimming cams left or right to achieve your perfect arrow flight. In very rare cases based on external factors (grip pressure etc.) a shooter may max out the adjustment of SET. If you experience this condition, please take your bow to a qualified Elite Bow Technician to review. The bow can be re-shimmed based on traditional methods to re-center SET Technology and allow for additional adjustment.

Traditional Shimming Methods for Tuning a RH bow.

- Tail Right – Move cams to the right
- Tail Left – Move cams to the left

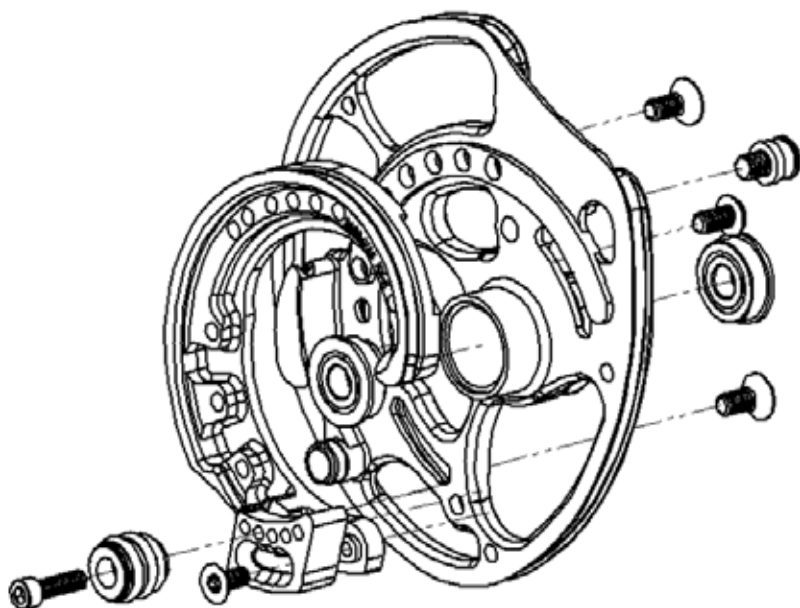


# ASYM TRI TRACK CAMS

## OVERVIEW:

New for 2020 on select Elite model bows is the ASYM Tri-Track Cam System. The ASYM cam includes the use of Elite's new Versa Mod rotating module system for rapid draw length adjustments without the need for a bow press. The ASYM system is a laterally balanced cam, which reduces lateral nock travel. This results in an accurate and forgiving bow that is also easy to tune. Elite engineers have designed the traditional Elite feel and shootability into the new ASYM Tri-Track Cam System. The high-letoff, smooth draw cycle that is synonymous with Elite is still found in the ASYM Tri-Track Cam System. This new system is asymmetrical top and bottom, delivering straight and level vertical nock travel with a fully synchronized system.

The ASYM system allows for 7" of draw length adjustment utilizing the Versa Mods without the need of a bow press. The feel of the back wall can also be adjusted by using cable stops or limb stops in multiple positions to get the customized feel you are searching for. Let off can be adjusted with either stop system to vary from high let off to low, hard back wall or a softer feel.





## VERSA MODS:

### ADJUSTING DRAW LENGTH:

Reference the draw length chart for your bow model in this manual. The number showing through the mod position indicator window is your current mod position and can be correlated to a draw length in the chart. NOTE: draw lengths are rated at 80% letoff.

For mod positions 1 through 6, three mod screws are used to secure the mod to the cam (two 8-32 flat head screws, 1 button head screw). For mod positions 7 - 15, only the two 8-32 flat head screws are used to secure the mod to the cam.

### STEPS:

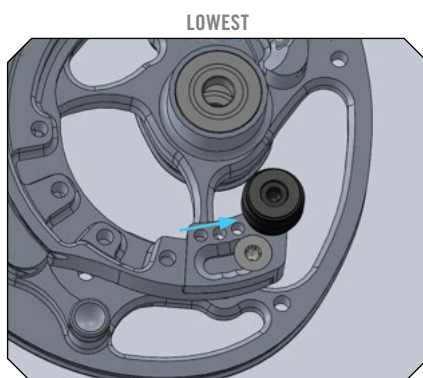
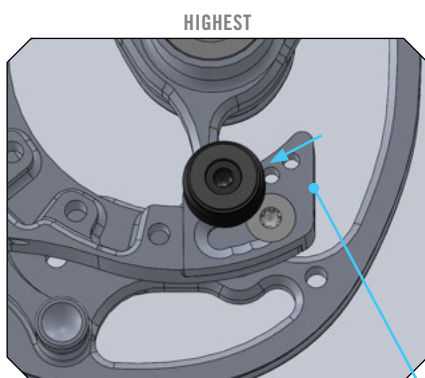
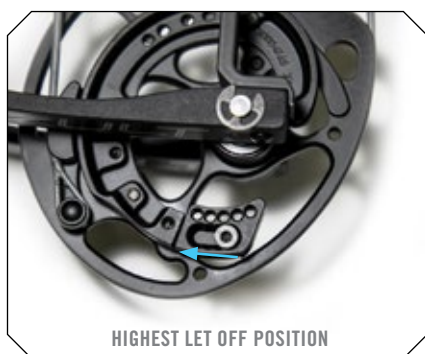
1. Loosen the two outermost mod screws (located in slots on the cam) using a T15/T20 Torx Key
2. Remove the middle mounting screw.
3. Rotate the mod into your desired position. The engraved mod position will become centered in the mod position indicator window.
4. Locate correct position to reinstall middle mod screw into the cam, and tighten
5. Tighten two outside mod screws into their respective slots.

**NOTE:** If adjusting mod position significantly you will need to remove the screw closest to the cable stop and reinstall into the slot after the mod position has been adjusted.



### CABLE STOP ADJUSTMENT:

Your ASYM equipped bow will come from the factory with cable stops in the highest let off position as shown below. To increase holding weight (decrease letoff) loosen the T15 Torx screw securing the stop to the mod and adjust the stop into one of the four available positions and retighten. Be sure to adjust the top and bottom stops equally to ensure that the cams stay in time. Each position equates to approximately 5% of letoff adjustment from the max position..



CABLE STOP CONTACT SURFACE

### LIMB STOP OPTION:

The ASYM Tri Track cam system is the first of its kind that also allows the use of a limb stop for those that desire a rock-solid back wall on their bow. With the 90-degree landing pad installed from the factory, the user simply needs to install the limb stop into the correct position on the mod cable stop to achieve the limb stop feel.

**WARNING: DO NOT DRAW YOUR BOW WITH THE CABLE STOP REMOVED! DOING SO CAN CAUSE THE BOW TO LOCK UP AND DAMAGE YOUR BOW.**

### **Installation:**

1. Locate the two supplied limb stops as well as the 6-32 mounting screws included with your manual.
2. Install the limb stops onto the top and bottom cams in the tapped hold farthest from the cable stop contact surface (highest let off position).
3. Draw your bow back and determine if the stops are contacting the landing pads at full draw.
4. If not, move the limb stops to the next hole toward cable contact surface, and recheck.
5. Once the limb stops are contacting and you have the back wall feel you are looking for, adjust to the desired let off.

### **Adjusting Let off with Limb Stops:**

There are two methods to adjust the let off with limb stops installed. The first method is to adjust the position of where the limb stop is mounted to a position closer to the cable stop contact surface. If you reach the last hole and desire additional holding weight you can then move the cable stop out from the highest let off position which will also adjust the limb stop and decrease the let off further.

### **Different feel for the back wall:**

The ASYM Tri Track cam system allows for the most adjustment of how the back wall feels, customizable to the archer. Three popular configurations are:

1. **Cable stop only:** This configuration would be as delivered from the factory. The cable stops provide a firm back wall but allow for some give as you pull through your shot. The cable stops will allow for the highest let off and the softest feel.
2. **Limb stops after cable stops:** The user can install the limb stops to contact the landing pad after the cable stop contacts. This is a unique option for those that want a little give to the back wall but want to limit the amount they can pull into the wall. The position of the limb stop will allow the shooter to adjust how much they can pull into the wall before the limb stop hits.
3. **Limb stops first:** This option will provide slightly more holding weight than the cable stops, but will give the most solid back wall feel. This is the traditional Elite back wall.

## **DRAW LENGTH VS LET OFF:**

The ASYM Tri-Track cam system provides more adjustment for draw length and let off than any other cam system available. This cam system is rated for draw length and speed with the cable stops in the 80% letoff position. Adjusting letoff on the ASYM Tri-Track cam will affect the draw length of the bow. The higher the letoff, the longer the draw length. The highest letoff position will increase draw length by approximately 0.3". When referencing the mod position chart, you may compensate for the change in draw length based on your desired letoff by adjusting the Versa mod into the next shorter or longer position without affecting your holding weight.

## **STABILOCK POCKETS**

New for 2020 is the StabiLock Limb pockets which include SET Technology. This all new 2-piece limb pocket system allows for the innovative tuning of your bow while providing a solid and secure system for locking down your limbs.

- Dual Limb Cap locking screws to secure the cap to the riser with no unwanted side to side movement.
- Limb locating posts are integral to the cap to locate the limbs within the pocket
- Featuring a wider limb stance for increased limb stability
- Three (3) full turns of limb bolt adjustment for a full 10-pounds of draw weight adjustment

## **S2S CABLE GUIDE**

- Allows user to adjust for fletching clearance
- Fine tune with cable load position
- Locks down solid
- See LTR System section for additional information and tuning techniques

## **VIBE X BLOCKS**

Not all dampeners are made the same. The new VIBEX limb dampeners from Elite deliver a smooth, quiet, and shock-free shot.

## FINE TUNING TIPS (RIGHT HANDED SHOOTER)

### HIGH TEAR



- Lower nock point
- Raise arrow rest

### LOW TEAR



- Raise nock point
- Lower arrow rest

### RIGHT TEAR



- Arrow rest to left
- Lower draw weight
- Move cable guard away from arrow

### LEFT TEAR



- Arrow rest to right
- More draw weight
- Move cable guard towards arrow

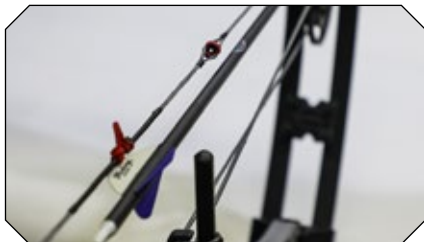
### BULLET HOLE



- Perfect bullet hole

## CHECKING STATIC CAM LEAN

SET Technology allows you to fine tune cam lean and make adjustments to match individual shooting preference. This can be checked by simply laying an arrow across the top and bottom cams and checking the alignment in relation to the string.



## CHECKING CENTER SHOT

As a good starting point, nock an arrow and then lay an arrow across the flat part of the riser and check relative parallel straightness of the nocked arrow and arrow against the riser.



# EMBER

<b>AXLE TO AXLE</b>	31 1/4" +/- 1/8"
<b>BRACE HEIGHT</b>	6 1/4" +/- 1/8"
<b>SPEED</b>	310 FPS (29" 60 LBS.)
<b>STRING</b>	55 1/4"
<b>CABLE</b>	32 9/16"
<b>DRAW LENGTH RANGE</b>	15 - 29"
<b>DRAW WEIGHT RANGE</b>	10 - 60 LBS
<b>MASS WEIGHT</b>	3.6 LBS



HUNTING



3D



FIELD



INDOOR

MOD POSITION	DRAW LENGTH (IN)	MAX WEIGHT	MIN WEIGHT (8 TURNS OUT)	IBO SPEED
1	29	60	30	310
1.5	28.5	60	29	305
2	28	60	29	300
2.5	27.5	60	27	295
3	27	59	27	290
3.5	26.5	58	26	285
4	26	57	25	280
4.5	25.5	57	24	275
5	25	56	23	270
5.5	24.5	54	23	265
6	24	53	22	260
6.5	23.5	51	21	255
7	23	50	20	250
7.5	22.5	48	19	245
8	22	47	18	240
8.5	21.5	45	17	235
9	21	43	16	230
9.5	20.5	41	15	225
10	20	40	14	220
10.5	19.5	38	13	215
11	19	38	13	210
11.5	18.5	38	13	205
12	18	38	13	200
12.5	17.5	38	12	195
13	17	38	12	190
13.5	16.5	38	11	185
14	16	38	11	180
14.5	15.5	38	10	175
15	15	38	10	170

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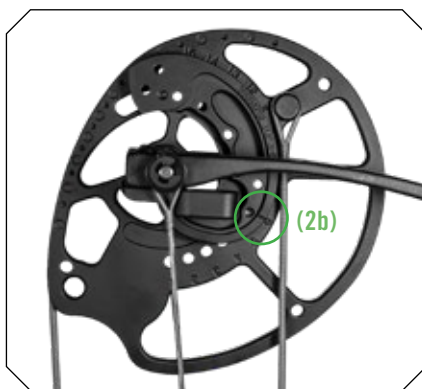
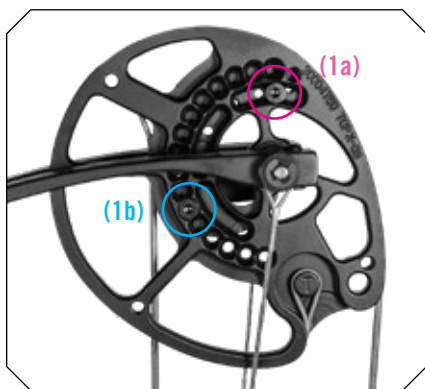
## ADJUSTING DRAW LENGTH ON EMBER

Reference draw length chart for your bow model in this manual. The number on the cam that aligns with the indicator mark on the mod is the current mod position and can be correlated to a draw length in the chart. Each number corresponds to a 1" increment. If ½" increments are desired, position the mod indicator mark between the designated positions on the cam.

### STEPS

1. Loosen the mod screw **(1a)** that is in the slot of the cam using the provided T15 torx key.
2. Remove the remaining mod screw **(1b)**.
3. Rotate the mod into your desired position. The indicator mark on the mod should align with the desired mod position number on the cam **(2a)**. Note\* it may be necessary to completely remove both screws.
4. Reinstall the mod screw to the hole on the cam that is aligned with the hole on the mod.
5. Tighten or install the remaining mod screw in the furthest position possible from the first mod screw.
6. Top and bottom mods should be adjusted into the same position.

**NOTE:** For 1/2" increments set the indicator mark on the mod in between the two closest mod position numbers, and install screw **(1b)** into the hole that is aligned on the mod.



**EMBER OPTIONAL LIMB STOP CONTINUED ON NEXT PAGE**

## EMBER CONTINUED

### OPTIONAL LIMB STOP:

The Ember Cam has an optional limb stop option. If desired, a limb stop can be used for a solid back wall or removed for a softer back wall feel.

To Install Limb Stop:

1. Install the Draw Stop Nut into the slot on the back side of the Limb Stop Bracket.
2. Install the Draw Stop using the provided #6-32 mounting screws.
3. Top and bottom Draw Stops will need to be moved into the correct position using a draw board to achieve the desired feel.
4. Contact a Pro Shop for assistance with timing.





# VALOR

<b>AXLE TO AXLE</b>	28 3/4" +/- 1/8"
<b>BRACE HEIGHT</b>	6 13/16" +/- 1/8"
<b>STRING</b>	55 1/8"
<b>CABLE</b>	33 5/16"
<b>CENTERSHOT</b>	13/16" - 15/16"
<b>PEAK WEIGHTS</b>	50, 60, 70
<b>MASS WEIGHT</b>	4.1 LBS
<b>LET OFF</b>	90% - 75%



HUNTING



3D



FIELD



INDOOR

MOD	IBO SPEED RATING #70 WITH A 350 GRAIN ARROW*
#1 – 29.5"	324 FPS
#2 – 29"	319 FPS
#3 – 28.5"	314 FPS
#4 – 28"	309 FPS
#5 – 27.5"	304 FPS
#6 – 27"	299 FPS
#7 – 26.5"	294 FPS
#8 – 26"	289 FPS
#9 – 25.5"	284 FPS
#10 – 25"	279 FPS

\*329 FPS BASED ON PROJECTED SPEED AT 30"

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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# RITUAL 35

AXLE TO AXLE	34 3/4" +/- 1/8"
BRACE HEIGHT	6 7/16" +/- 1/8"
STRING	61"
CABLE	39 1/4"
CENTERSHOT	13/16" - 15/16"
PEAK WEIGHTS	50, 60, 70, (65 MADE TO ORDER)
MASS WEIGHT	4.4 LBS
LET OFF	90% - 75%



HUNTING



3D



FIELD



INDOOR

MOD	IBO SPEED RATING #70 WITH A 350 GRAIN ARROW
#1 – 31"	346 FPS
#2 – 30.5"	341 FPS
#3 – 30"	336 FPS
#4 – 29.5"	331 FPS
#5 – 29"	326 FPS
#6 – 28.5"	321 FPS
#7 – 28"	316 FPS
#8 – 27.5"	311 FPS
#9 – 27"	306 FPS
#10 – 26.5"	301 FPS

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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# RITUAL 30

<b>AXLE TO AXLE</b>	30 1/2" +/- 1/8"
<b>BRACE HEIGHT</b>	6 3/4" +/- 1/8"
<b>STRING</b>	56 13/16"
<b>CABLE</b>	35"
<b>CENTERSHOT</b>	13/16" - 15/16"
<b>PEAK WEIGHTS</b>	50, 60, 70, (65 MADE TO ORDER)
<b>MASS WEIGHT</b>	4.1 LBS
<b>LET OFF</b>	90% - 75%



HUNTING



3D



FIELD



INDOOR

MOD	IBO SPEED RATING #70 WITH A 350 GRAIN ARROW
#1 – 30"	332 FPS
#2 – 29.5"	327 FPS
#3 – 29"	322 FPS
#4 – 28.5"	317 FPS
#5 – 28"	312 FPS
#6 – 27.5"	307 FPS
#7 – 27"	302 FPS
#8 – 26.5"	297 FPS
#9 – 26"	292 FPS
#10 – 25.5"	287 FPS

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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# RITUAL 33

<b>AXLE TO AXLE</b>	33 1/4" +/- 1/8"
<b>BRACE HEIGHT</b>	6 3/4" +/- 1/8"
<b>STRING</b>	59 1/2"
<b>CABLE</b>	37 5/8"
<b>CENTERSHOT</b>	13/16" - 15/16"
<b>PEAK WEIGHTS</b>	50, 60, 70, (65 MADE TO ORDER)
<b>MASS WEIGHT</b>	4.3 LBS
<b>LET OFF</b>	90% - 75%



HUNTING



3D



FIELD



INDOOR

MOD	IBO SPEED RATING #70 WITH A 350 GRAIN ARROW
#1 – 31"	345 FPS
#2 – 30.5"	340 FPS
#3 – 30"	335 FPS
#4 – 29.5"	330 FPS
#5 – 29"	325 FPS
#6 – 28.5"	320 FPS
#7 – 28"	315 FPS
#8 – 27.5"	310 FPS
#9 – 27"	305 FPS
#10 – 26.5"	300 FPS

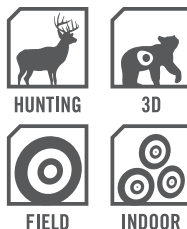
DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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# REVOL XL

AXLE TO AXLE	36 1/8" +/- 1/8"
BRACE HEIGHT	7 5/8" +/- 1/8"
STRING	60 1/4"
CABLE	41"
CENTERSHOT	13/16" - 7/8"
PEAK WEIGHTS	60, 70
MASS WEIGHT	4.45 LBS
LET OFF	90% - 75%



MOD	IBO SPEED RATING #70 WITH A 350 GRAIN ARROW
#1 – 32"	332 FPS
#2 – 31.5"	328 FPS
#3 – 31"	325 FPS
#4 – 30.5"	321 FPS
#5 – 30"	317 FPS
#6 – 29.5"	313 FPS
#7 – 29"	309 FPS
#8 – 28.5"	305 FPS
#9 – 28"	300 FPS
#10 – 27.5"	296 FPS

DEDUCT 2-3 FPS FROM RATING FOR #60 PEAK WEIGHT (300 GRAIN ARROW)

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## LINEAR TUNABLE ROLLER - TUNING GUIDELINES

In conjunction with rest tuning, cam spacing, and nock position, cable tension tuning can serve as an alternate adjustment method to aid in paper, bare shaft, or broadhead tuning. Consult your local proshop or certified Elite dealer for assistance if needed.



### TENSION DECREASE

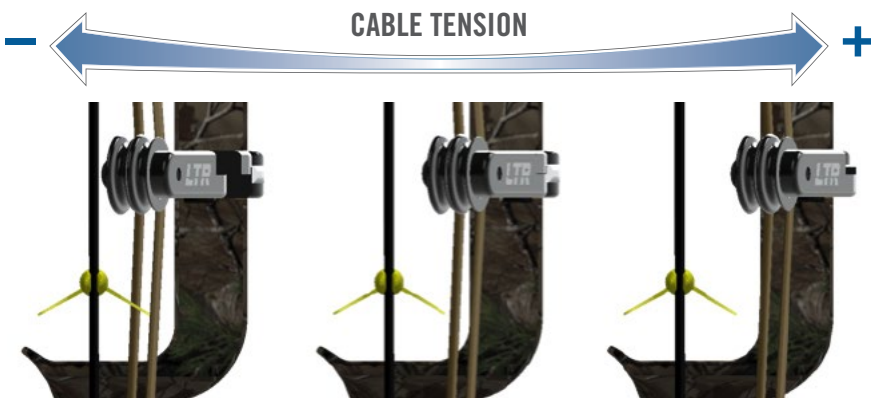
- To correct left nock tear
- To decrease vane clearance
- To minimize cable tension if vane clearance is sufficient
- To induce cam lean toward the riser

### NEUTRAL

- Factory preset position
- Provides vane clearance for a wide variety of vane types and configurations

### TENSION INCREASE

- To correct right nock tear
- To increase vane clearance
- To induce cam lean away from the riser



## ADJUSTING THE DRAW WEIGHT

Before making any adjustments to the limb bolts, the four pocket screws need to be loosened about one full turn. After adjusting limb bolts to the desired weight, make sure to tighten the four pocket screws.

**WARNING: DO NOT TURN THE LIMB BOLTS OUT MORE THAN THE RECOMMENDED TURNS!**

- Recommended turns out of limb bolts for KURE and REZULT – 3 turns
- Recommended turns out of limb bolts for Revol XL and Ritual – 3 turns
- Recommended turns out of limb bolts for Ember – 8 turns

Doing so could damage the bow, cause limbs to break out of their pockets, and result in bodily injury. It will also void your Elite warranty.

## CAM ADJUSTMENT AND TUNING

2020 Elite Archery bows use a modular based cam system. All Elite bows are set to peak performance from the factory. See cam adjustment basics chart for more information.

**NOTE:** Draw stop setting adjustments allow fine tuning to achieve individual draw length requirements, however, adjusting the draw length will affect let-off and valley at the same time. Achieving an exact let-off at a specific draw length will require some trial and error with minor modifications and/or use of a draw board and digital scale. See your local Elite dealer or pro shop for assistance.

## STRING, CABLES, & TUNING FOR ALL ELITE BOWS...

- Elite recommends you cycle the bow 100-125 times to settle the string and cables into the grooves. To adjust your peep sight, simply twist the string from the bottom in ½ turn increments until the peep sight aligns. In some cases, this may need to be repeated after cycling and an additional 150-200 shots.
- We recommend waxing the string often. To wax the string, apply wax liberally to the entire length of the string. Rub briskly with fingers until the string appears slick. Remove excess wax with a clean towel or cloth. Waxing every other time you shoot will lengthen the life of your string and cable sets.
- When setting the center shot on 2020 Elite bows, measure from inside the riser from the berger hole to the center of the arrow.
- We recommend shooting arrows that weigh no less than 5 grains per pound of draw weight. Using arrows with less than 5 grains per pound will void any and all warranties and could cause bodily harm to yourself or damage your bow.

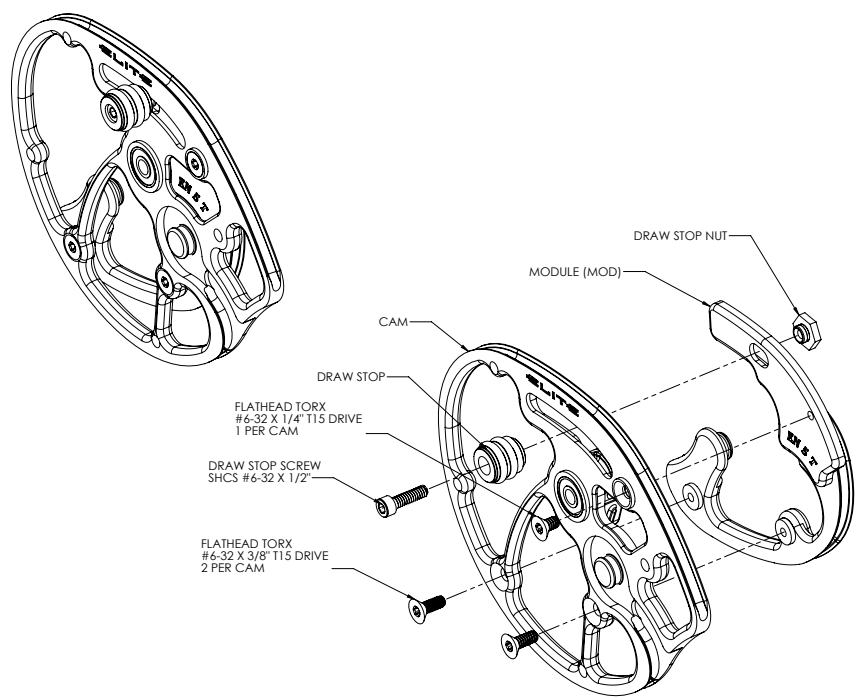
## MODULAR CAM CHANGE INSTRUCTIONS

These instructions are intended to be performed on a bow with no accessories installed. A bow press designed for use on a parallel limb bow is recommended. A draw board will be helpful for resetting the draw stop locations after the mods have been changed.

1. Properly prepare the bow press to work on a parallel limb bow.
2. Place bow in press and deflect the limbs enough to relax string and cables.
3. Work on one end of the bow at a time. Note the location of where each string and cable loops attach to their posts in order to avoid incorrect installation once the mod has been changed.
4. Remove cables from their post. Secure them in a manner which will prevent twists from being lost or added.
5. Using a size T15 Torx driver, remove the three screws that secure the mod to the cam.
6. Using a size 7/64" Allen wrench, remove the draw stop.
7. Remove mod from cam and install desired size mod.
8. Using a size 7/64" Allen wrench, install the draw stop. Be sure not to over tighten as this could cause damage to the screw. It is recommended that a small amount of semi-permanent thread locker like Loc-Tite 242 be applied to threads prior to installation back into the cam/mod assembly.
9. Using a size T15 Torx driver, install three screws that secure the mod to the cam. Be sure not to over tighten as this could cause damage to the screw, mod, or cam. It is recommended that a small amount of semi-permanent thread locker like Loc-Tite 242 be applied to threads prior to installation back into the cam/mod assembly.
10. Install cables back onto their correct posts.
11. Repeat these steps on opposite end of the bow.
12. Be sure to verify string and cables are in their appropriate tracks. Carefully relax limbs and remove bow from the press.
13. Set draw stop locations in order to achieve the desired draw length and holding weight.



# MODULAR CAM EXPLODED VIEWS



# ELITE ARCHERY CAM ADJUSTMENT BASICS

ADJUSTMENT RESULTS					
ADJUSTMENT	DRAW LENGTH	DRAW WEIGHT	VALLEY / LET-OFF	ATA	BRACE HEIGHT
TWISTING CABLES	Increase	Increase	Slightly Increase	Decrease	Slightly Increase
UNTWISTING CABLES	Decrease	Decrease	Slightly Decrease	Increase	Slightly Decrease
TWISTING STRING	Decrease	Decrease	Slightly Decrease	Slightly Decrease	Slightly Increase
UNTWISTING STRING	Increase	Increase	Slightly Increase	Slightly Increase	Slightly Decrease
MOVE DRAW STOPS IN	Slightly Decrease	_____	Shorten Valley, Decrease Let off	_____	_____
MOVE DRAW STOPS OUT	Slightly Increase	_____	Lengthen Valley, Increase Let off	_____	_____

# THE ELITE PROMISE

**ELITE ARCHERY ANNOUNCES A GROUNDBREAKING NEW GUARANTEE ON ITS BOWS AS WELL AS POSITIVE CHANGES TO ITS LIMITED LIFETIME WARRANTY. COUPLED TOGETHER, THIS ELITE PROMISE GIVES HUNTERS AND ARCHERS THE PEACE OF MIND KNOWING ELITE ARCHERY STANDS BEHIND ITS PRODUCTS, ITS DEALERS, AND ITS CUSTOMERS.**

## LIMITED LIFETIME WARRANTY

Elite Archery stands behind the workmanship and overall quality of its bows through a Limited Lifetime Warranty to the ORIGINAL OWNER. This Limited Lifetime Warranty is non-transferable and is valid only on the purchase of a new bow from an authorized retailer. Bows purchased online, from mail order or from an unauthorized Elite retailer will NOT be covered under this Limited Lifetime Warranty. You must register your Elite bow within 30 days of purchase on the Warranty Registration page of [elitearchery.com](http://elitearchery.com)

This warranty covers the riser, pockets, limbs, and eccentrics against defects in material and workmanship. The Elite Archery Limited Lifetime Warranty does not cover strings, cables, decoration, and overall finish of the bow. Elite Archery recommends the use of only genuine Elite replacement or aftermarket strings, manufactured by Winner's Choice Bowstrings. The use of bowstrings or cables by any other manufacturer that does not meet the Elite specifications may void the Limited Lifetime Warranty. Alterations or modifications to any portion of the bow by the consumer may also void this Limited Lifetime Warranty. The Limited Lifetime Warranty does not cover misuse or abuse of the bow such as dry-firing, dropping, intentional, or unintentional damage, etc. Elite Archery reserves the right to deny warranty coverage in the event that misuse is observed.

Elite Archery retains the right to replace components with equivalent components that may be of different design or decoration. Elite Archery may also request to visually inspect failed components prior to issuing parts and/or service.

There are no other warranties expressed or implied binding Elite Archery, Certified Elite Dealers, and Certified Elite Distributors (International).

## ELITE HUNT GUARANTEE

Elite Archery believes that our customers are top priority and we want our customers to be 100% confident in their bows. Elite Archery is comprised of dedicated and passionate bow hunters – for this reason we offer a unique guarantee for our hunting customers.

It happens. You are on the hunt of a lifetime and you accidentally touch your broadhead to your string. You are taking your one-week of vacation to hunt with your friends and your buddy dry-fires your bow. If there isn't a bow shop within driving distance, your hunt is over – but not if you're shooting an Elite bow. No matter where you are or what happened to your bow, Elite will send a bow to you so you can finish your hunt. You only pay for shipping. This bow is on loan from Elite Archery and not intended to replace your damaged bow. The loaner bow will arrive with your requested draw weight and length, a rest, sight, and peep installed. The bow will be tuned and ready to shoot. It will only need to be sighted in with your arrows.

If something happens to your bow while on your hunt, please call us at **877-503-5483** and ask for the warranty department. The bow must be returned to us in the condition it was shipped with all accessories. The loaner bow will be sent to you right away – you just cover the cost of shipping. Our goal is to make sure you can finish your hunt, no matter where you are, no matter what happened.



### **LIABILITY DISCLAIMER**

THE OUTDOOR GROUP, LLC IS NOT LIABLE FOR ANY PERSONAL INJURY, DEATH, OR PROPERTY DAMAGE THAT MAY RESULT FROM YOUR USE OF THIS PRODUCT. THE USER OF THIS PRODUCT ASSUMES ALL RISKS OF PROPERTY DAMAGE OR INJURY TO YOURSELF AND OTHERS THAT MAY ARISE FROM ITS USE. USE OF THIS PRODUCT BINDS THE USER TO THIS AGREEMENT.



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