

2009 Technical Manual

!WARNING!

Removing the DRAW STOP POST could result in bodily injury and will void any and all warranties.



Tuning and Technical information for the GT500,
Z28 and XLR compound bows featuring the
patent pending twin track binary cam system.

Z28

A-A 32 1/4" +/- .125

Brace 7 3/4" +/- .125

String 56 3/8"

Draw Weight 60-90lbs.

Cable 37 1/4"

Draw Length 27"-30"

Z Cam

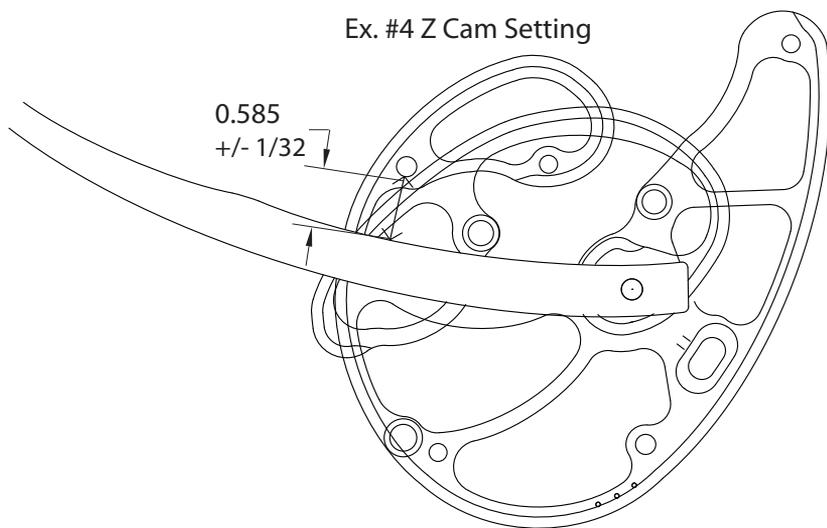
**Cam setting at brace from
.160 Hole to inside limb**

**IBO Speed Rating
#70 350 grain arrow**

#1-30"	.925 gap	316-326 fps
#2-29.5"	.850 gap	311-321 fps
#3-29"	.575 gap	306-316 fps
#4-28.5"	.585 gap	300-310 fps
#5-28"	.515 gap	294-304 fps
#6-27.5"	.485 gap	287-297 fps
#7-27	.475 gap	282-292 fps

Deduct 5 fps from rating for #60 peak

Ex. #4 Z Cam Setting



GT500 w/Cuda Cams

A-A 33 1/2" +/- .1875
String 51 3/4"
Cable 37 3/8"

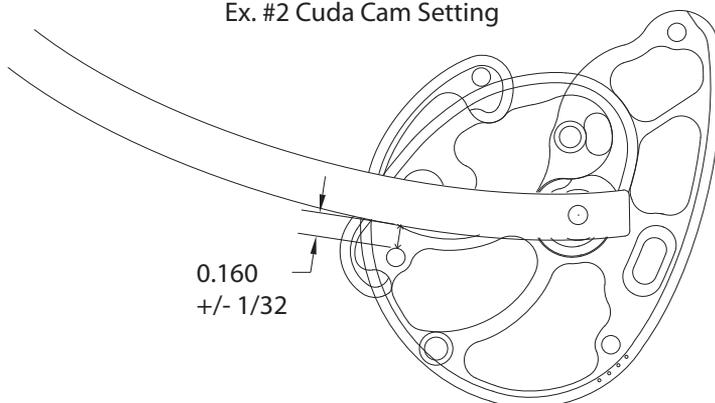
Brace 7 1/4" +/- .125
Draw Weight 30-80lbs
Draw Length 23"-27"

Cuda Cam Cam setting at brace from IBO Speed Rating
.160 hole to outside of limb #70 350 grain arrow

#1-27" 30-50 lbs.	.200 gap	298-308 fps
#2-26.5"	.160 gap	291-301 fps
#3-26"	.230 gap	284-294 fps
#4-25.5"	.160 gap	278-288 fps
#5-25"	.210 gap	273-283 fps
#6-24.5"	.210 gap	267-277 fps
#7-24"	.220 gap	262-272 fps
#8-23.5"	.240 gap	256-266 fps
#9-23"	.275 gap	251-261 fps

Deduct 5 fps from rating for #60 peak

Ex. #2 Cuda Cam Setting



XLR w/Rev Cams

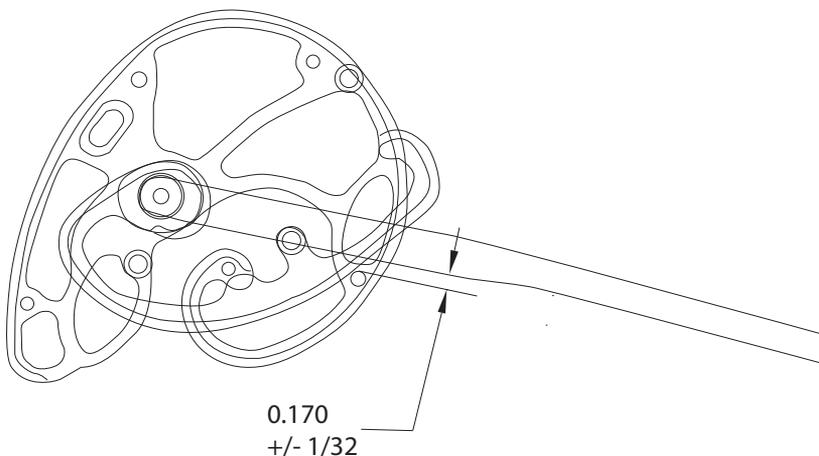
A-A 37" +/- .1875	Brace 8 1/2" +/- .125
String 60 11/16"	Draw Weight 50-90lbs
Cable 41 9/16"	Draw Length 29"-32"

Rev Cam	Cam setting at brace from	IBO Speed Rating
	.160 Hole to inside limb +/- .050	#70 350 grain arrow

#1-32"	.270 gap	330-340 fps
#2-31.5"	.170 gap	325-335 fps
#3-31"	.130 gap	320-330 fps
#4-30.5"	.120 gap	315-325 fps
#5-30"	.150 gap	310-320 fps
#6-29.5"	.095 gap	305-315 fps
#7-29"	.100	298-308 fps

Deduct 5 fps from rating for #60 peak

Ex. #2 Rev Cam Setting



XLR w/Cuda Cams

A-A 36 1/2" +/- .1875

Brace 8 1/2" +/- .125

String 54 7/8"

Draw Weight 50-90lbs

Cable 40 3/8"

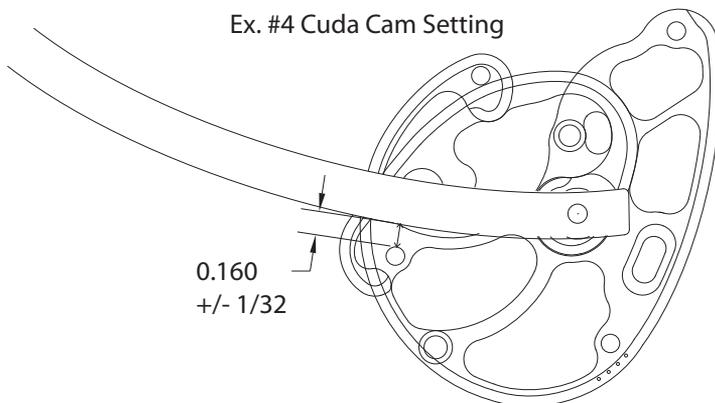
Draw Length 25"-28.5"

Cuda Cam **Cam setting at brace from** **IBO Speed Rating**
.160 hole to outside of limb **#70 350 grain arrow**

#2-28.5"	.230 gap	292-302 fps
#3-28"	.225 gap	286-296 fps
#4-27.5"	.160 gap	280-290 fps
#5-27"	.200 gap	276-286 fps
#6-26.5"	.230 gap	270-280 fps
#7-26"	.200 gap	266-276 fps
#8-25.5"	.220 gap	261-271 fps
#9-25"	.220 gap	256-266 fps

Deduct 5 fps from rating for #60 peak

Ex. #4 Cuda Cam Setting



Adjusting the Let Off

Before making any adjustments to the limb bolts, the four pocket set screws need to be loosened about one full turn . After adjusting the limb bolts to the desired weight, make sure and tighten the four pocket set screws. **WARNING: DO NOT TURN THE LIMB BOLTS OUT MORE THAN THE RECOMMENDED TWO (2) 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

Our cams are draw length specific; Draw lengths are available in 1/2 inch increments. All Elite bows are set to peak performance from the factory.

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

STRING, CABLES AND TUNING FOR ALL ELITE BOWS...

- Elite recommends that you cycle the bow 100-125 times to settle the string and cables into the grooves. To install your peep sight, simply twist the string from the bottom in 1/2-turn increments until the peep sight aligns. In some cases, this may need to be repeated after cycling and 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.
- Only replace your string and cables using 24 stands of BCY 452X. Replacing with other material or reducing the strands will void your warranty.
- Setting a center shot on the rest for Elite bows, measure from the inside of the riser from the berger hole to the center of the arrow, roughly 7/8 of an inch from the hole.
- We recommend shooting arrows with no less than 5 grains per pound used. Using arrows with less than 5 grains per pound will void any and all warranties and could cause bodily harm to yourself and or damage your bow.

Warranty Information

Elite Archery stands behind the workmanship and overall quality of its product through a Limited Lifetime Warranty. This Limited Lifetime Warranty applies to the original owner, is nontransferable and is only valid if the product is purchased from a Certified Elite Archery Dealer. The warranty covers the riser, pockets, limbs and eccentrics against defects in material and workmanship for the lifetime of the bow.

The Elite Archery Limited Lifetime Warranty does not cover strings, cables, cable slides, cable rods, grips, decoration and overall finish of the bow. Alterations or modifications to the product by the consumer will void this Limited Lifetime Warranty. There are no other warranties expressed or implied binding Elite Archery, Certified Elite Dealers and Certified Elite Distributors (International). Registration cards and proof of purchase must be received within 30 days of purchase to activate the Elite Archery Limited Lifetime Warranty.



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