

MOMENT OF INERTIA

: a measure of the resistance of a body to angular acceleration about a given axis that is equal to the sum of the products of each element of mass in the body and the square of the element's distance from the axis.



You may not know what it means, but your bow does.

MAXIMUM MOMENT OF INERTIA

It's about achieving peak performance from your archery equipment, whether your sights are set on a 3D target at the local range or a trophy whitetail in Pike County, IL. Peak performance that can only be gained through better balance, increased stability, less torque, and reduced vibration.

Peak performance that breeds consistency and, ultimately, greater shooting confidence.

Bee Stinger™ Stabilizers are engineered to deliver the advantages your bow needs to achieve its peak performance – to achieve its MAXIMUM MOMENT OF INERTIA.



MOMENT OF INERTIA IS THE MASS MULTIPLYED BY A RIGID BODY TWICE WITHIN THE TORQUE RESIDES FOR A TURNED CHANGE IN ANGULAR VELOCITY AND THE SHAPES OF THE BODY. MOMENT OF INERTIA DEPENDS ON THE SHAPE OF THE BODY AND MAY BE DIFFERENT ALONG DIFFERENT AXES. FOR ROTATION AROUND A GIVEN AXIS, THE MASS OF THE BODY IS DIVIDED INTO ELEMENTS, EACH OF WHICH IS ASSIGNED A MASS. THE DISTANCE FROM THE AXIS OF ROTATION TO THE CENTER OF MASS OF EACH ELEMENT IS SQUARED AND MULTIPLIED BY THE MASS OF THE ELEMENT. THE SUM OF THESE PRODUCTS IS THE MOMENT OF INERTIA. THE MOMENT OF INERTIA OF A BODY IS A PROPERTY OF THE BODY AND DOES NOT CHANGE WITH THE POSITION OF THE BODY. THE MOMENT OF INERTIA OF A BODY IS A PROPERTY OF THE BODY AND DOES NOT CHANGE WITH THE POSITION OF THE BODY. THE MOMENT OF INERTIA OF A BODY IS A PROPERTY OF THE BODY AND DOES NOT CHANGE WITH THE POSITION OF THE BODY.

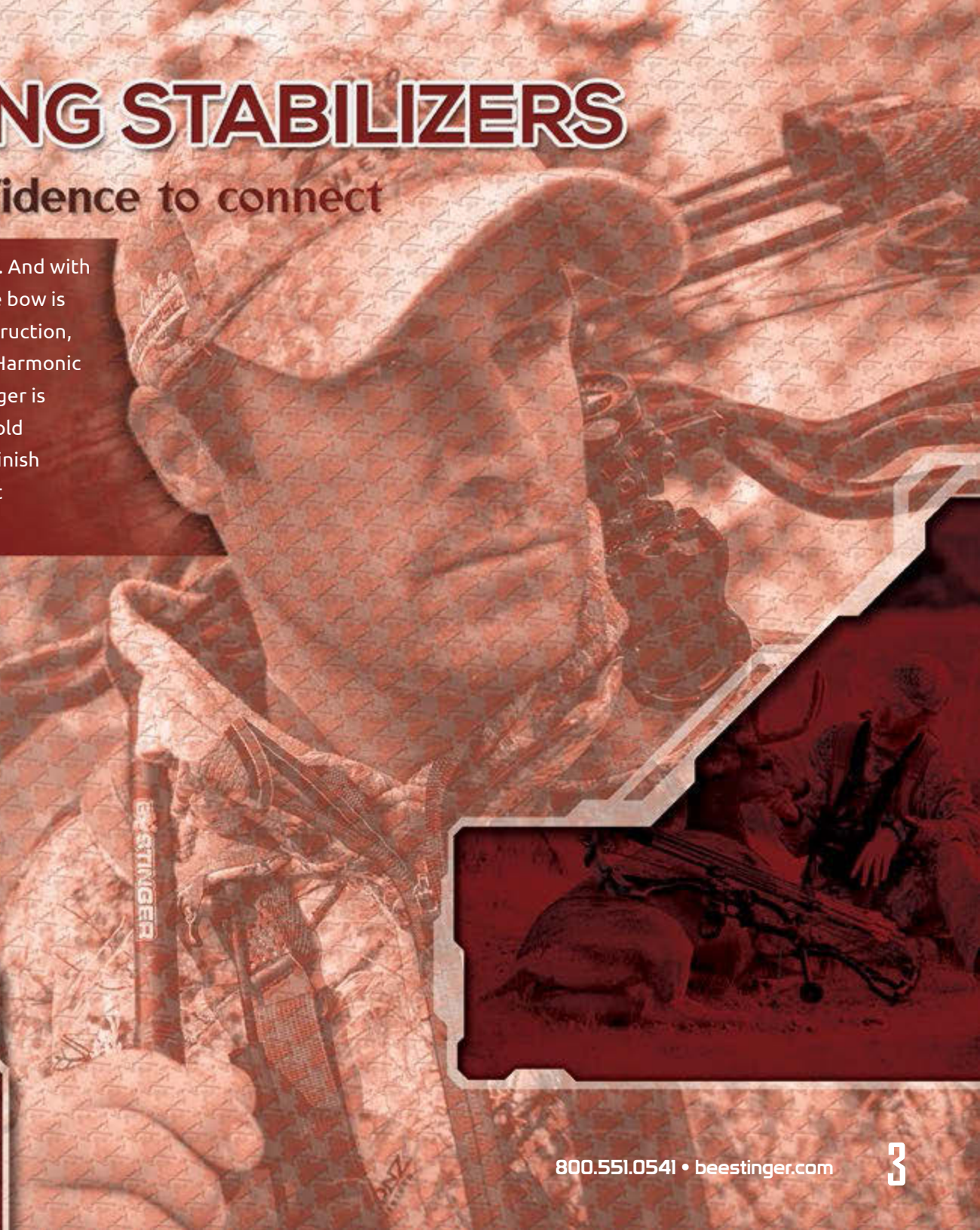
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BEE STINGER HUNTING STABILIZERS

Giving you the confidence to connect

You've practiced, you've prepared – you're ready. And with a Bee Stinger hunting stabilizer, you know you're bow is ready, too. Featuring high modulus carbon construction, machined aluminum weights, and Sims Internal Harmonic Dampeners and De-Resonators — your Bee Stinger is engineered to help you acquire targets faster, hold steadier, diminish torque, reduce vibration and finish on target. Now, you know you can make the shot because you know you've got a **Bee Stinger**.



SPORT HUNTER XTREME

Take YOUR Next Shot to the XTREME

This season, take your shooting to the Xtreme! The Sport Hunter Xtreme was engineered to help provide superior stabilization while conquering shot-induced vibration, resulting in the ultimate hunting stabilizer. The Sims Internal Harmonic Dampener and De-Resonator combine to effectively minimize vibration transferred from the riser to the stabilizer upon release of the arrow. The individual 1 oz. end-weights allow users to customize their stabilizer to meet the ideal balance requirements of their particular hunting bow. Together, it equals added confidence to make YOUR shot of a lifetime.



STABILIZER INCLUDES:

- (3) Independently removable 1 oz. steel end weights
- (1) Sims De-resonator
- (1) Sims Internal Harmonic Dampener

STANDARD COLOR:
Matte Black

AVAILABLE LENGTHS:



Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.

SPORT HUNTER XTREME

BETTER GROUPINGS

INCREASED STABILITY

REDUCED TORQUE



LESS VIBRATION



AVAILABLE CAMO FINISHES:



Realtree Xtra®



Mathews Lost®



Realtree AP®



Realtree Max-1®



Mossy Oak Infinity®



Realtree AP® Snow

AVAILABLE COLORS:



Green



Orange



Yellow



Red



Blue



Purple



Pink

PRO HUNTER MAXX

Balanced under pressure

When you're ready to draw back on that trophy of a lifetime, the last thing you need is a wandering pin. The Pro Hunter MAXX is engineered to keep you steady under pressure while reducing vibration. Its patented design delivers maximum moment of inertia, providing greater shot control and the confidence you need to drive your arrow home. The Pro Hunter MAXX is based around a high modulus carbon rod providing ultra-stiff construction. NEW for 2014, the Pro Hunter MAXX features three independently removable end weights for customized balance and performance. Sims Internal Harmonic Dampener and De-Resonator perform double-duty on shot-induced vibration, assuring ultimate control before, during and after the shot.

STAINLESS STEEL STUD

For optimal construction, rigidity and adjustability.

STABILIZER INCLUDES:

- (2) Independently removable, 4 oz., powder coated, steel end weights
- (1) Independently removable, 2 oz., powder coated, aluminum end weight
- (1) Sims De-resonator and Internal Harmonic Dampener

STANDARD COLOR:

Matte Black

AVAILABLE LENGTHS:

8 Inch

10 Inch

12 Inch

CARBON STABILIZER ROD

Utilizing high modulus carbon for ultra stiff performance.

SIMS INTERNAL HARMONIC DAMPENER

Absorbs vibration for better feel.

SIMS DE-RESONATOR

Engineered for superior vibration dampening.

(2) INDEPENDENT, 4 OZ., POWDER COATED, STEEL END WEIGHTS

Patented design

(1) INDEPENDENT, 2 OZ., POWDER COATED, ALUMINUM, END WEIGHTS

Patented design

Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.



GREATER CONTROL

PRO HUNTER

LESS BOW TORQUE

REDUCED VIBRATION

ER TARGET ACQUISITION

AVAILABLE CAMO FINISHES:



Realtree Xtra®



Mathews Lost®



Mossy Oak Infinity®



Realtree AP®



Realtree AP® Snow



Realtree Max-1®

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SPORT HUNTER XTREME SYSTEM

Tournament proven, hunter approved

For years, world-class target archers have known the benefits of combining front and back bar stabilizers for superior balance and shot control. Now, Bee Stinger brings this same stabilization strategy to the hunting world with the Sport Hunter Xtreme System. The system features a longer front SHX stabilizer, a shorter back SHX stabilizer, both mounted to an NEW! Elite side arm for maximum adjustability. Together, the SHX System provides maximum balance and stabilization, assuring maximum moment of inertia. Feel the difference in your hand and with regular use, shot groupings will tighten at extended distances.

AVAILABLE MODELS:

- **Xtreme 8.6**
8" front bar, 6" back bar
- **Xtreme 10.8**
10" front bar, 8" back bar

NEW!

ELITE ADJUSTABLE SIDE ARM

AVAILABLE CAMO FINISHES:



Realtree Xtra®



Mathews Lost®



Realtree AP®



Realtree Max-1®



Mossy Oak Infinity®



Realtree AP® Snow

SPORT HUNTER XTREME STABILIZER

See component illustration and break-down – Page 4

STANDARD COLOR:

Matte Black



Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.

XTREME 8.6 INCLUDES:

- (1) 8" Sport Hunter Xtreme Stabilizer
- (1) 6" Sport Hunter Xtreme Stabilizer
- (1) Elite Adjustable Side Arm

XTREME 10.8 INCLUDES:

- (1) 10" Sport Hunter Xtreme Stabilizer
- (1) 8" Sport Hunter Xtreme Stabilizer
- (1) Elite Adjustable Side Arm



8 Inch



6 Inch



10 Inch



8 Inch

HORNET **NEW** FOR 2014

Maximum Control for your Money

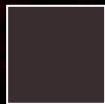
Keep it simple while keeping it steady, that's the thought behind the all-new Hornet stabilizer. Built on a dual rod system constructed of high modulus carbon and fitted with an exclusively designed Sims HCD (Hornet Core Dampener) vibration dampening insert, the Hornet delivers maximum performance for your money. The Hornet's ability to effectively reduce vibration will increase bow stability and shot control for better groupings and more meat in the freezer.

HORNET STABILIZER:

- 7³/₄ oz. Dual Rod Stabilizer
- Sims HCD Dampener

AVAILABLE COLOR:

Matte Black ONLY





2013 BEE STINGER SUCCESS!

NFAA Field Nationals

WINNER

BEN ENGLISH

July 2013



SoCal Showdown

WINNER

TIM GILLINGHAM

June 2013

NFAA Indoor Nationals

WINNER

BEN CLELAND

March 2013

BEE STINGER TARGET STABILIZERS

Where Consistency Leads to Success

Human error — it can mean the difference between standing at the top of the podium or the bottom; winning gold or silver — and for the Pros, it's the difference between making a living or simply earning enough for gas money home. A slight torque of the bow, a little shake in the sight picture — turns a 12 into a 10. That's why the World's leading target archers depend on Bee Stinger target stabilizers to help tame human error.

Shot after shot, Bee Stinger target stabilizers provide the superior balance and rock-solid stability needed to acquire targets faster, hold steadier, and deliver repetitive performance. Technically speaking, Bee Stinger target stabilizers work to neutralize the negative effects of human error and allow the bow to achieve the "maximum moment of inertia" — the closest point of perfection for the bow as the arrow is released.

But what does it all REALLY mean? **CONSISTENCY**. Because within the realm of archery, consistency doesn't just win the day — **it rules the world.**



NFAA Shooter of the Year
WINNER
BRADEN GELLENTHIEN
2013



ASA London
WINNER
LEVI MORGAN
July 2013



IBO Bedford
WINNER
CHANCE BEAUBOUF
May 2013



ASA Classic
WINNER
TOMMY GOMEZ
August 2013

Hoyt World Open
WINNER
ROGER WILLETT
July 2013



ASA Shooter of the Year
WINNER
LEVI MORGAN
2013

Indoor World Cup-stage 1
WINNER
BRADEN GELLENTHIEN
November 2013

PREMIER PLUS

Match Made Performance

The tournament-proven success of the Premier Plus Series is a testament to quality construction. Built with a proprietary high modulus carbon, Premier Plus stabilizers provide extreme rigidity for maximum stabilization. Each Premier Plus target stabilizer includes independent weights for customized balance. Experience greater down-range accuracy and more consistent overall shooting with the Premier Plus. The choice of World Champions, Premier Plus target stabilizers deliver "match made" performance.

PREMIER PLUS 24" STABILIZER AND 10" PREMIER PLUS V-BAR:

Shown in Honey Comb color
with available ELITE Adjustable
Side Arm.

ELITE Adjustable Side Arm
SOLD SEPARATELY.

INCLUDED WITH EACH STABILIZER BAR:

20" Wind Bar:
(6) Independent 1 oz. end weights,

24", 27", 30", 33", 36" Stabilizers:
(3) Independent 1 oz. end weights





V-Bar Theory of Uses

V-Bar, side-rod or back-bar...no matter what you call them, they are an essential tool to achieve optimum stabilization. Using the same carbon technology as our stabilizers, Bee Stinger cuts no corners when it comes to materials. To off-set counter forces and maximize stabilization, put as much or as little end weight as desired. Create a symmetrical or one side counter balance, our accessories give you numerous options.

Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.

AVAILABLE COLORS:



AVAILABLE LENGTHS:

Shown in Blackout finish



STABILIZER AVAILABLE LENGTHS:

Shown in Blackout finish
Weights NOT included



STABILIZER AVAILABLE COLORS:



COMPETITOR BAR

Pro-grade Performance, Affordably Priced

Tournament-grade performance at an affordable price; that's what the Competitor bar offers target archers of all levels. The Internal Harmonic Dampener smooths out any vibration, while the independent weight system allows for customized balance — and the perfect length to weight ratio for your bow.

INCLUDED WITH EACH V-BAR:
Weights NOT Included.

INCLUDED WITH EACH STABILIZER BAR:
20": (6) Independent 1 oz. end weights
24", 27", 30", 33", 36" Stabilizers:
(3) Independent 1 oz. end weights

STABILIZER AND V-BAR COLOR:
Black/Silver ONLY

COMPETITOR BAR

Shown with available ELITE Adjustable Side Arm.

Elite Adjustable Side Arm
SOLD SEPARATELY.

AVAILABLE COMPETITOR V-BAR LENGTHS:
10", 12", 15"

AVAILABLE COMPETITOR BAR LENGTHS:
20", 24", 27", 30", 33", 36"

Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.



FREESTYLE COMPETITOR SYSTEM

Shown in standard black/silver color with the included Quick Release and Adjustable Side Bar.

FREESTYLE COMPETITOR KIT INCLUDES:

- (1) 30" Competitor Stabilizer
- (1) 4 oz stainless steel end weight
- (3) Independent 1 oz. stainless steel end weights
- (1) 12" V-bar (weights not included)
- (1) Adjustable Side Bar
- (1) Quick Disconnect

FREESTYLE COMPETITOR KIT

Maximum Stability Made Easy

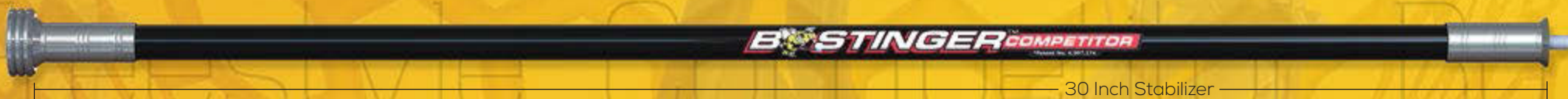
The experts at Bee Stinger have constructed the Freestyle Competitor kit with everything you need for maximum stabilization right from the start. Centered around the high modulus carbon stabilizer and V-bar, the kit features an adjustable side bar and quick disconnect for easy mounting. The kit also includes (1) 4 oz. stainless steel end-weight and (3) independent 1 oz. stainless steel end-weights, for customized balance to achieve optimum performance, with minimal effort.

STABILIZER AND V-BAR COLOR:

Black/Silver



12 Inch V-Bar



30 Inch Stabilizer

Bee Stinger bar lengths are measured from cap to cap. Weights are NOT included in quoted stabilizer lengths.

MOUNTING HARDWARE

QUICK DISCONNECTS:

The Bee Stinger Quick Disconnects allow archers the ability to quickly and conveniently remove the stabilizers as needed while providing the most rigid coupling to the bow. This maximizes the bar's effectiveness by eliminating a weak point in the stabilization system.



Standard



10 Degree Down Angle

SIDE MOUNTS:

The one-sided mounts are built to support any size V-bar with any amount of weight, without compromising the rigidity of the connection. Machined teeth on both side bar elements assure a tight fit and no slip.



Adjustable - Standard



Adjustable - Quick Disconnect

ELITE SERIES: The NEW ELITE Side Arm Mount features an integrated Quick Disconnect for both the front and rear bars. Strong, simple, less weight and easily disassembled for transport.



NEW! Adjustable - ELITE

V-BAR BLOCK MOUNTS:

The V-bar block mounts allow archers to run either 1 or 2 V-bars off the bow. Adjustable V-bar block mounts also provide adjustment for up/down or in/out positioning for customized balance and stabilization. Machined teeth on all adjustable models assure a tight fit and no slip.



Solid

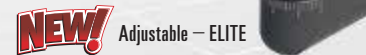


Adjustable - Standard



Adjustable - Wide

ELITE SERIES: The NEW Elite Series V-bar mounts feature integrated Quick Disconnects for the front stabilizer and rear V-bars. Strong, simple, less weight and easily disassembled for transport.



NEW! Adjustable - ELITE

END WEIGHTS

STANDARD END-WEIGHTS:

The 1/3 oz. Aluminum end weights allow every class of shooter to micro-tune any Bee Stinger™ Stabilizer.—2 Pack



1/3 oz Aluminum End Weight

AVAILABLE COLOR:
Polished Aluminum ONLY



1 oz Stainless Steel End Weight

AVAILABLE COLORS:
Stainless, Matte Black, Pink

NEW!

Blue, Green, Orange,
Purple, Red, Yellow



Single block 4 oz. stainless steel end weight provides optimum balance and stabilization for any Bee Stinger™ Stabilizer.
NEW colors for 2014!



4 oz Stainless Steel End Weight

AVAILABLE COLORS:

Stainless, Matte Black, Pink



NEW!

Blue, Green, Orange,
Purple, Red, Yellow



This single block 8 oz. stainless steel end weight is designed for the archer who wants extra weight without having to stack multiple single weights on the bar. Maximum convenience, maximum balance and stability.

AVAILABLE COLORS:

Stainless, Matte Black



8 oz. Stainless Steel End Weight

NEW!

PRO HUNTER MAXX END-WEIGHTS:

Designed to meet the exacting standards of the world's leading archers, the Pro Hunter Maxx end weights provide maximum balance and stability for your Bee Stinger™ Stabilizer system.

STANDARD COLOR:
Matte Black

2 oz.
Aluminum



4 oz.
Steel



CUSTOM ACCESSORIES

DE-RESONATORS: LIMESAVER

The De-Resonator allows archers to cancel much of the resonant vibration that occur in some bow set-ups. Simply move the De-Resonator up or down the stabilizer bar to the desired location.



ENHANCERS: LIMESAVER

The Enhancer is used on the end of the front bar to offer vibration dampening as well as a soft feel when placing the bar on the ground.



FREESTYLE COLOR KIT:

Take your stabilizer system to the next level with a custom color matched accessory kit.

FREESTYLE COLOR KIT INCLUDES:



AVAILABLE COLORS:



STABILIZER EXTENSIONS:

When you need a little "extra," the Bee Stinger™ stabilizer extensions provide the option to lengthen your existing stabilizer for further customization.



L.A.S.T.:

Laser **A**ssisted **S**tabilization **T**uning was created to give archers the opportunity to maximize the tune of their stabilizer system by using laser for visual feedback. The L.A.S.T. tool weighs 1 oz. so as optimal stability is achieved simply replace the tool with a single 1 oz. end weight.



LOGOWEAR

Show your true **colors** with **Bee Stinger Logowear!**



T-SHIRTS:

Sizes: SM, MD, LG, XL, 2X, 3X, 4X
Colors: Red, Black



RED HAT:

Cushion Mesh



One size fits most



Velcro size adjustment

TOURNAMENT JERSEY:



Sizes: SM, MD,
LG, XL,
2X, 3X, 4X
Colors: Yellow

BLACK HAT:

Honeycomb Mesh



One size fits most



Velcro size adjustment



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