

SCORPYD

CROSSBOWS



460
FEET PER
SECOND



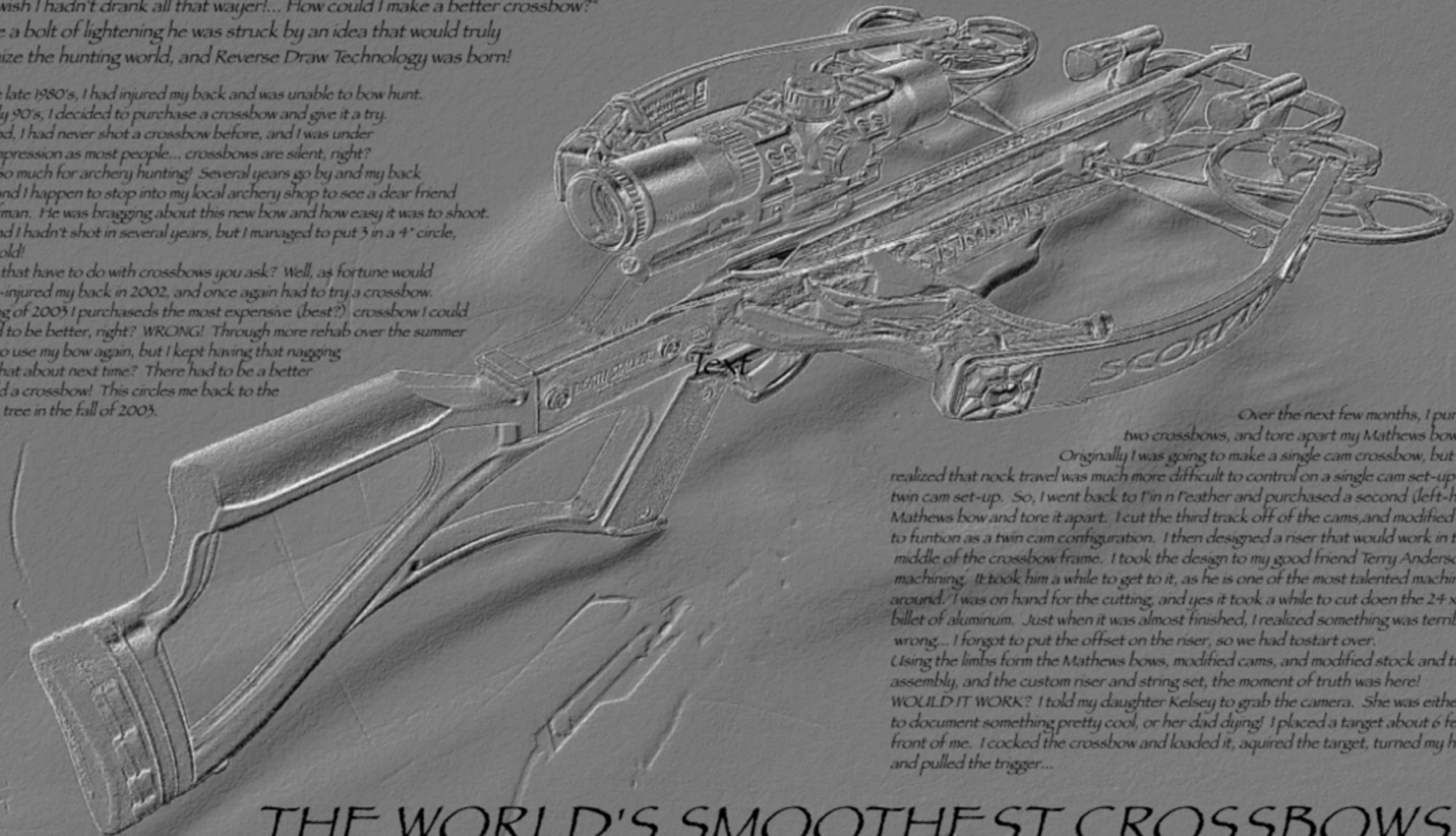
2018
MADE IN THE U.S.A.

The Lord works in mysterious ways!

It was the fall of 2003. As Jim Kempf sat in a massive white oak tree in southeast Iowa, he had no idea of the storm that was about to erupt, nor the trials and tribulations he would have to endure. As he waited for that buck of a lifetime, his mind began to wonder as it had so many times before... "What's for dinner?... Should I be in a different tree?... I wish I hadn't drank all that wayer!... How could I make a better crossbow?" Then, like a bolt of lightening he was struck by an idea that would truly revolutionize the hunting world, and Reverse Draw Technology was born!

Back in the late 1980's, I had injured my back and was unable to bow hunt. By the early 90's, I decided to purchase a crossbow and give it a try. Keep in mind, I had never shot a crossbow before, and I was under the same impression as most people... crossbows are silent, right? WRONG! So much for archery hunting! Several years go by and my back improves, and I happen to stop into my local archery shop to see a dear friend Larry Kaufman. He was bragging about this new bow and how easy it was to shoot. Keep in mind I hadn't shot in several years, but I managed to put 3 in a 4" circle, and I was sold! What does that have to do with crossbows you ask? Well, as fortune would have it, I re-injured my back in 2002, and once again had to try a crossbow. In the spring of 2003 I purchased the most expensive (best?) crossbow I could find. It had to be better, right? WRONG! Through more rehab over the summer I was able to use my bow again, but I kept having that nagging thought, what about next time? There had to be a better way to build a crossbow! This circles me back to the mighty oak tree in the fall of 2003.

Sitting in the tree, gotta pee, hungry... I was holding my bow, studying it. I had never really looked at a bow in detail, that is, how it really worked. I would pull the string a little and watched how the limbs flexed and the cams rotated. I did this a few times and that is when the idea hit me. "What if I pushed the string towards the riser instead of pulling it away from the riser?" As I tried this, the limbs flexed the same way, and the cams rotated the same direction. And that is when Reverse Draw Technology was born!



Over the next few months, I purchased two crossbows, and tore apart my Mathews bow. Originally I was going to make a single cam crossbow, but quickly realized that nock travel was much more difficult to control on a single cam set-up than a twin cam set-up. So, I went back to Fin n Feather and purchased a second (left-handed) Mathews bow and tore it apart. I cut the third track off of the cams, and modified them to function as a twin cam configuration. I then designed a riser that would work in the middle of the crossbow frame. I took the design to my good friend Terry Anderson for machining. It took him a while to get to it, as he is one of the most talented machinists around. I was on hand for the cutting, and yes it took a while to cut down the 2+ x 8 x 4 billet of aluminum. Just when it was almost finished, I realized something was terribly wrong... I forgot to put the offset on the riser, so we had to start over. Using the limbs from the Mathews bows, modified cams, and modified stock and trigger assembly, and the custom riser and string set, the moment of truth was here! WOULD IT WORK? I told my daughter Kelsey to grab the camera. She was either going to document something pretty cool, or her dad dying! I placed a target about 6 feet in front of me. I cocked the crossbow and loaded it, aquired the target, turned my head and pulled the trigger...

THE WORLD'S SMOOTHEST CROSSBOWS

THE WORLD'S FASTEST CROSSBOWS

WHAT IS REVERSE DRAW TECHNOLOGY

Simply stated, Reverse Draw Technology is a combination of archery elements that places the riser near the center of the crossbow (better balance); the tips of the limbs go out away from you instead of back towards you; RDT utilizes an inverted cam, where the string comes off the front of the cam which increases power stroke by the diameter of the cam; the string starts out in front of the riser when the bow is at rest and is latched behind the riser when the bow is cocked. OK, so that wasn't really a simple explanation, but it was a whole lot easier saying it than it was actually accomplishing what Reverse Draw Technology does!

The combination of all of these elements and uncompromising engineering, along with the Kempf-Tec SEAR-LOC Trigger make Scorpyd's Patented Reverse Draw Crossbows the World's Best Crossbow Shooting Experience!

WHY SHOULD I BUY A SCORPYD?

Scorpyd Crossbows is the innovator of Reverse Draw Technology, as well as many other crossbow technologies licensed to many other brands. Just because we invented Reverse Draw doesn't mean that we are the best, but an uncompromising commitment to excellence does! We build the best made, best shooting, highest performing crossbows in the world. Others claim it, we DELIVER it!

ACCURACY THROUGH ENGINEERING

You have heard it said that a stopped clock is always right twice a day. You may get a crossbow from Brand X that shoots great (for a while), or you may not. Consistent accuracy doesn't just happen. It has to be engineered into every element of the crossbow. You can't get consistent shot placement without having top quality components, and attention to detail while assembling these components. Many proprietary steps are taken during the assembly process that insure the best finished product. This attention to detail is how Scorpyd Crossbows is able to achieve the out-of-the-box performance others can only dream of.

THE WORLD'S MOST EFFICIENT, SMOOTHEST AND QUIETEST CROSSBOWS

Numbers don't lie. When you compare draw weight, speed, and KE, no conventional crossbow technology can even come close to the performance of Reverse Draw. Test after test, independent analysis has determined that Scorpyd crossbows are the quietest, smoothest, low-vibration crossbows on the market. When comparing speed to speed, or KE to KE, NOTHING comes close. In fact, Scorpyd is typically as quiet as crossbows shooting 100 feet per second slower.

DEATHSTALKER

The DEATHSTALKER is the newest generation of Scorpyd's Patented Reverse Draw Technology. Utilizing the Patented Multi-Element Carbon Composite crossbow frame, the DEATHSTALKER is truly a unique crossbow! This new Patented Technology allows for a super strong backbone for the crossbow, combining the barrel, finger guard, riser, and limb pockets into a single component, eliminating several fasteners and potential vibration points of typical crossbows. Standard on every DEATHSTALKER is the multi-Patented Kempf-Tec SEAR-LOC Trigger assembly. As soon as the crossbow is cocked, the combination Sear-Loc/ ADF lever blocks the sear lever from movement, eliminating possible dry-fire situations. Trigger pull averages 1.5#, and smooth as silk. The stock is available with Hogue custom 1911 style grips, and optional butt pad, so you can really trick out your DEATHSTALKER! Available in 130# and 110# draw weights.

ACULEUS

THE WORLD'S FASTEST CROSSBOW

The ACULEUS is the MOST ACCURATE, MOST POWERFUL, and FASTEST production crossbow on the planet! Combining unmatched balance, precision, smoothness, and versatility of Reverse Draw Technology, with the Industry's best rated trigger, Scorpyd Crossbows makes the World's Best Crossbow Shooting Experience! Standard on every ACULEUS is the multi-Patented Kempf-Tec SEAR-LOC Trigger assembly. As soon as the crossbow is cocked, the combination Sear-Loc/ ADF lever blocks the sear lever from moving, eliminating possible dry-fire situations. Trigger pull is less than 2#, and smooth as silk. The stock is available with Hogue custom 1911 style grips, and standard butt pad, so you can really trick out your ACULEUS! Available in 180#, 160#, 130#, and 110# models.

**NOTICE !!! DO NOT SHOOT GROUPS INSIDE 200 YARDS
(UNLESS YOU LIKE BUYING ARROWS)**

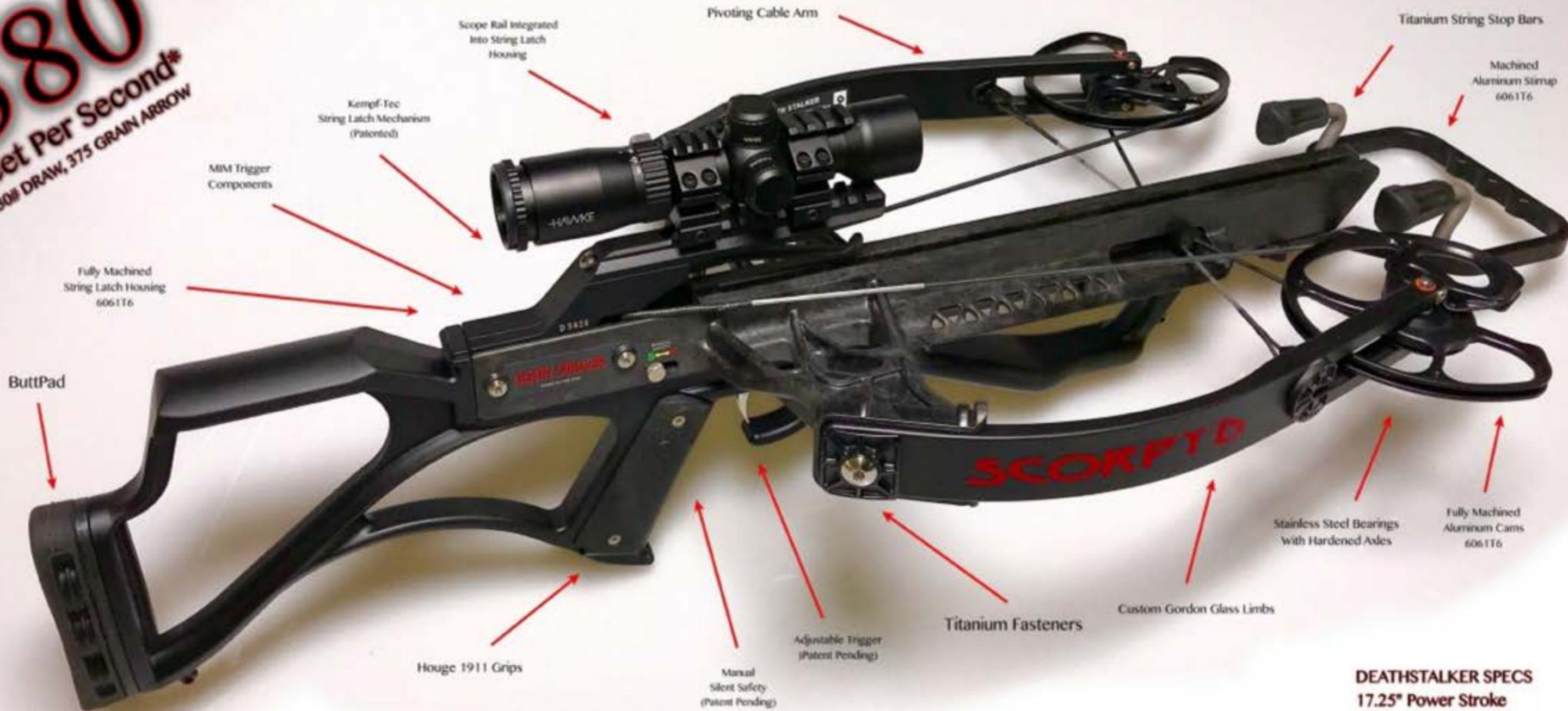
EXTREME COMFORT

REVERSE DRAW TECHNOLOGY (PATENTED)

PERFECT BALANCE

INVERTED CAM TECHNOLOGY (PATENTED)

380
Feet Per Second*
130# DRAW, 375 GRAIN ARROW



MULTI-ELEMENT CARBON COMPOSITE FRAME (PATENTED)

DEATHSTALKER 380

DEATHSTALKER SPECS
 17.25" Power Stroke
 10.75" Axle-to-Axle Cocked
 17.5" Uncocked
 32.5" Long
 6.2# Mass Weight
 Optional SLDS

*All Crossbows are shot and chronographed prior to shipping, and are within 5 fps of advertised speed. Scopyd uses premium chronographs under controlled conditions. Your chronograph and results may vary.

EXTREME POWER

REVERSE DRAW TECHNOLOGY (PATENTED)

EXTREME ACCURACY

INVERTED CAM TECHNOLOGY (PATENTED)

460
Feet Per Second*
180# Draw, 400 Grain Arrow



Also Available:

430 Feet Per Second

400 Feet Per Second

370 Feet Per Second

* All Crossbows are shot and chronographed prior to shipping, and are within 5 f.p.s. of advertised speed. Scorpyd uses premium chronographs under controlled conditions. Your chronograph and results may vary.

ACULEUS 460

THE WORLD'S FASTEST CROSSBOW

WARNING!!! DO NOT SHOOT GROUPS INSIDE 200 YARDS (UNLESS YOU LIKE BUYING ARROWS)

ACULEUS SPECS

18.5" Power Stroke

12.75" Axle-to-Axle Cocked

19.5" Uncocked

35.5" Long

7.3# Mass Weight

Optional SLDS

Optional ACUdraw

SCORPYD ADVANTAGES

ACCURACY FROM ENGINEERING, EXCELLENCE THROUGH EXECUTION

You have heard it said, a stopped clock is always right at least twice a day. You may get a crossbow from Brand X that shoots great for a while, or you might not. Consistent accuracy doesn't just happen. It has to be engineered into the every element of the crossbow. You can't get consistent shot placement without having top quality components, and attention to detail while assembling these components. Many proprietary steps are taken during the assembly process that insure the best finished product. This attention to detail is how Scorpyd Crossbows is able to achieve the out-of-the-box performance others can only dream of.

BARREL WITH BUILT-IN FINGER GUARD

All models of Scorpyd Crossbows utilize a finger guard that is formed into the barrel. This greatly increases strength, and decreases noise found in finger guards that are bolted onto the barrel.



BALANCE IS KEY

Weight distribution is key to how a weapon feels when you shoulder it and shoot it. Conventional crossbows have the riser at the very front of the cross-bow, making the bow feel extremely nose heavy, and un-balanced. All Scorpyd Crossbows are center balanced, due to the riser being at the center of the crossbow. Scorpyd's Reverse Draw Crossbows weigh 6.2# to 7.3# without accessories. While there are some conventional crossbows that claim a weight of just over 6# without accessories, they actually feel much heavier because the riser is at the very front of the crossbow. Due to the weight distribution and balance of Reverse Draw Technology, our 7.3# bow is perceived to be lighter than a conventional 6# crossbow.

WHY KEEP THE RAIL?

For a few years, some companies have declared that a rail-less crossbow was the only way to go. Yes, a rail-less crossbow has less center serving wear, but that is the only benefit. Without the rail, a crossbow will have the same tuning issues of a vertical bow. On a vertical bow, you have to worry about the up and down variable of the nock point of the string, known as nock travel, and this can be corrected by adjusting the cam timing in a twin cam bow. The other variable is the side to side movement of the bow string as the string travels forward when the bow is shot, this is often caused by cam lean, or parts being out of spec from one side to the other. When you combine both of these variables, you can quickly see how difficult it can be to tune a bow. This is where the rail comes into play on a crossbow, and shows its' importance to the equation of extreme accuracy and ease of tuning. The rail removes one of the variables of string movement, keeping the string traveling at a constant level plain. Now the only tuning issue is "nock travel" which is easily checked by cam timing. ALL Scorpyd Crossbows are "sight-in-and-ready-to-go".

TITANIUM FASTENERS

Scorpyd Crossbows is the first in the archery industry to utilize Titanium Fasteners in a bow or crossbow. There are many benefits with the use of Titanium. First, Titanium is about half the weight of steel fasteners. Second, Titanium will never rust. How many times have you bought a brand new bow or crossbow, and have it look like crap in one year because all of the screws are rusted? Not only is it an eye sore, rust will cause problems for repairs, and effect the longevity of the weapon.

WHY LIGHTER ISN'T ALWAYS BETTER... UNTIL NOW

The trend for several years has been to try and make bows and crossbows lighter and lighter. Though this is just my opinion, one of the main reasons for the weight reduction is so manufacturers have something to brag about as being "new" for this year. Their technology hasn't changed, the arrow doesn't go any faster, nor does the bow shoot any more accurately than before. Then when you shoot many of these "new" lighter bows, you soon realize that you have to add back a pound of rubber to make the bow feel good to shoot. Mass weight absorbs energy, and adds to stability of the bow. If you look at most precision high end target rifles, they have bull barrels and heavy stocks, Target bows have all kinds of stabilizers and vibration dampening contraptions bolted on. The reason for this is to make the weapon as smooth as possible when shot. But in the case of Scorpyd's new Patented Carbon Composite One-Piece Frame, you get the best of both worlds!

FOREARM DESIGN

Countless hours were spent in the design of the forearm used on Scorpyd Crossbows. Most crossbow stocks have a forearm that you can only grip one way. That was not good enough for the World's leading crossbow innovator. The unique design of the Scorpyd forearm allows the user to grip the stock in the conventional manner of palm up, as well as palm down, cupping the stock, or using the "push-pull" method. "But we didn't stop there. Many hunters like to use a bi-pod, and we designed the forearm to allow the use of the Harris bi-pod. When folded up in the closed position, the legs of the bi-pod tuck into the forearm, and the feet of the bi-pod rest on the riser, allowing for full function without the bi-pod being in the way."



MULTIPLE U.S. PATENTS AT WORK

Scorpyd Crossbows Utilize Many of the 38 U.S. Patented and Patent Pending Technologies owned by James Kempf and Rex Isenhower

Patented Trigger Assembly

The Kempf-Tec SEAR-LOC trigger assembly is arguably the best production trigger made for a crossbow. But this latch assembly didn't just happen. "I asked myself what are the most important attributes in a crossbow latch/trigger assembly?" First and foremost is safety. A safe design has many contributing elements, including seer surface engagement, an anti-dryfire device, simplicity in use, and the safety itself. "One of the main reasons I chose to use a manual safety instead of an auto-safety, seen in some other brands, is that a manual safety ALWAYS works." The placement of the safety bar and knob are also important to the ease of use by the hunter, as well as how the safety actually functions. Kempf-Tec SEAR-LOC places the safety bar directly under the seer lever. So long as the safety is in the SAFE or "S" position, it is impossible for the latch to release the string. The safety knob is placed just above the 1911 style pistol grip of the stock, putting it in just the right place to disengage when ready for the shot.

The Patented combination SEAR-LOC / Anti-DryFire is also unique. As soon as the crossbow is cocked, the sear-loc lever pivots to blocks the sear lever from movement, preventing a potential dry-fire, and this is when the user must put the manual safety into the SAFE position. As soon as a Scorpyd Spec arrow is inserted and nocked onto the string, the SEAR-LOC releases the sear lever, allowing the crossbow to be prepared to fire. So long as the Kempf-Tec SEAR-LOC assembly is properly used, it will function with superb reliability.

A crossbow's sear has to hold extreme forces equal to the draw weight of the bow, unlike a gun's sear that is only holding spring pressure. For this reason, the amount of sear surface overlap between the latch and sear lever must be greater than that of a gun. The Kempf-Tec SEAR-LOC trigger is like a rolling trigger, the trigger arm travels a short distance, then breaks like glass. At less than 2.25# (as low as 1.5# on 130# draw versions) Kempf-Tec SEAR-LOC rivals many custom rifle triggers. The smoothness and crispness are engineered into the design.

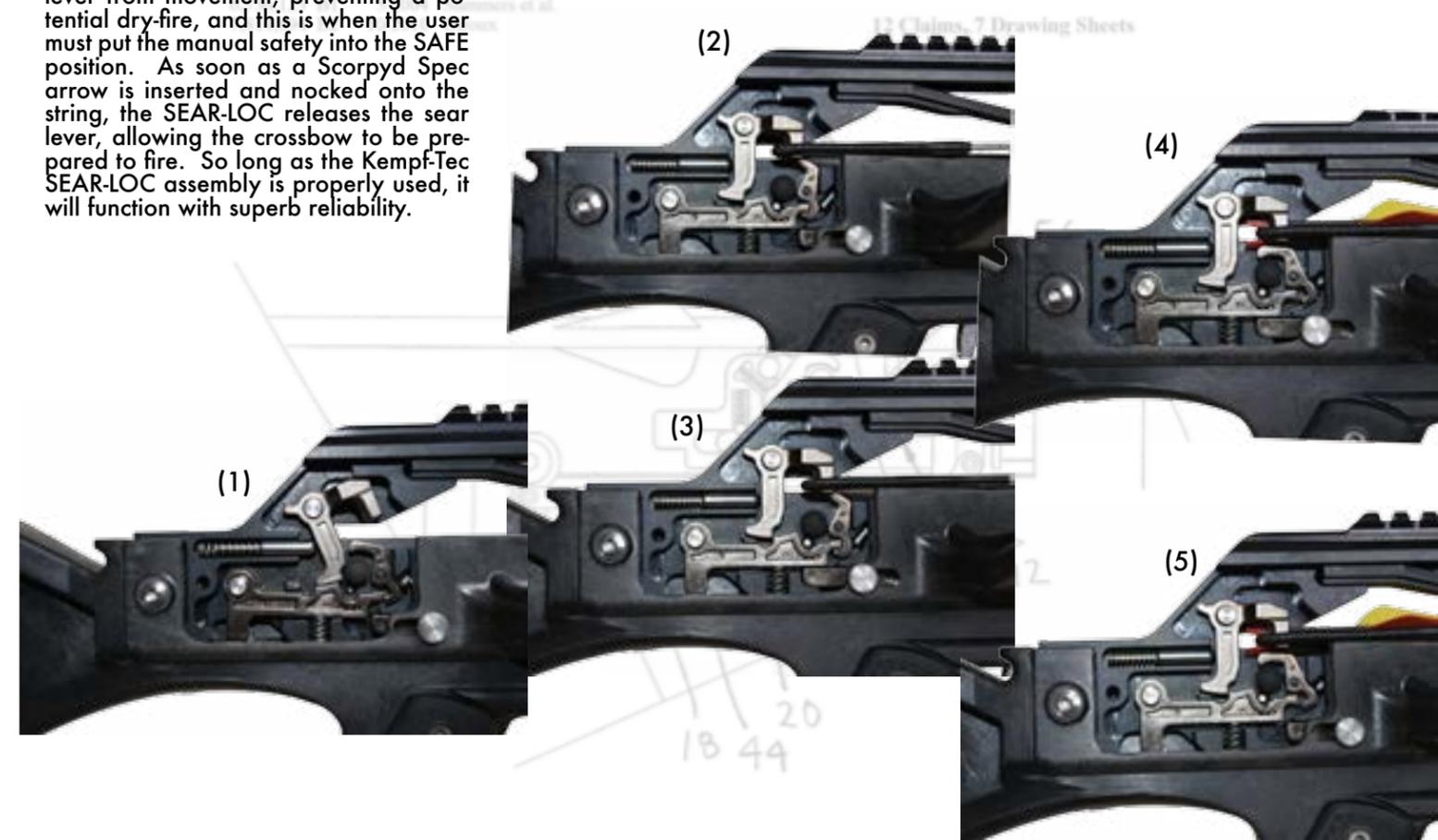
Another unique feature adds the Patent Pending Adjustable Trigger. The user can choose from a light trigger pull and short travel, or a slightly heavier trigger pull but shorter travel. In either setting, it is the best crossbow trigger in the industry!

Next is a Patent Pending silent safety. This enables the safety to be slid from the "SAFE" position to the "FIRE" position with no audible noise, enabling you to leave the safety on until that critical moment without alerting your quarry.

Finally, the Patented Anti-DryFire (ADF) device is unlike any other. Unlike many of the other brands, which actually fire the string a short distance (and then have a lever catch it), the Kempf-Tec SEAR-LOC ADF actually blocks the sear lever until a Scorpyd-Spec arrow is properly inserted, preventing the trigger from moving.

Scorpyd Crossbows is the first in the archery industry to utilize Titanium Fasteners in a bow or crossbow. There are many benefits with the use of Titanium. First, Titanium is about half the weight of steel fasteners. Second, Titanium will never rust. How many times have you bought a brand new bow or crossbow, and have it look like crap in one year because all of the screws are rusted? Not only is it an eye sore, rust will cause problems for repairs, and effect the longevity of the weapon.

- 1) Just Fired
- 2) Just Cocked
- 3) Manual Safety Engaged
- 4) Arrow Loaded
- 5) Ready to Fire



Reverse Draw and Inverted Cam



This Patented Technology places the string at the leading edge of the cam as opposed to the rear of the cam, increasing the power stroke by the diameter of the cam. Until the inverted cam, the only way to increase power stroke was to make the crossbow longer. This technology was developed to allow for a longer power stroke on a shorter crossbow, lower poundage to achieve the same performance of a conventional cam system, or substantially higher performance by using the same poundage as a conventional crossbow.

Multi-Element Carbon Composite Frame

This newly Patented Technology combines the tried-and-true materials of carbon composites with the integration of the crossbow barrel, finger guard, riser, and limb pockets into a single structure. Long used as bow and crossbow risers, carbon composites offer a great deal of strength at a lighter mass weight. Scorpyd determined that by combining the structural elements into a single piece, not only would there be a substantial weight savings, but also the elimination of several connecting surfaces, which would reduce vibration.



Adjustable Trigger

This Patent Pending technology is a true marvel in crossbow evolution that rivals even the best custom gun triggers available! Time was (and with some brands still is) a 12# pull was all you could get on a crossbow trigger... made you think the safety was still on! This two-position adjustable trigger arm has a short-travel super light trigger pull setting, and a super-short-travel and light trigger pull setting. Combined with the Kempf-Tec SEAR-LOC string latch assembly, this truly is a World Class system, unmatched in the crossbow industry. Simple to use and extremely reliable MIM stainless components will give you a lifetime of shooting pleasure.



Spring Loaded Dampening System (SLDS)

This Patented Technology takes string stops to the next level. When a crossbow is shot, the string strikes the rigid stoppers at maximum speed, causing a very loud "thwack". By utilizing a spring loaded piston, there is "give" as the string hits the dampers, which reduces noise and vibration. Once again, Scorpyd uses the best in materials: forged and machined 6061T6 Aluminum housing, a Titanium piston, and stainless steel spring. MIL spec Type III anodize makes the finish super durable to last a lifetime.



DEATHSTALKER PACKAGE



United States Patent
Kempf et al.
Patent No.: US 9,696,107 B1
Date of Patent: Jul. 4, 2017



Available accessories

- Custom Scorpyd Bow Case
- Hawke Scopes
- Vortex Scopes
- Trijicon ACOG and RMR Crossbow Sights and Scopes
- SLDS System (Spring Loaded Dampening System)
- Black Eagle Scorpyd Spec Arrows
- Black Eagle Executioner Arrows with Aerovane II
- Firenock AeroBolt II
- Custom Scorpyd Bow Sling
- Short Sled Cocker
- Adjustable Length Rope Cocker
- The "GRIP" Quiver
- The "Lil GRIP" Quiver (available mid-2018)
- Scorpion Venom Kit

ACULEUS PACKAGE



United States Patent
Kempf
Patent No.: US 7,363,921 B2
Date of Patent: Apr. 29, 2008



available accessories

- Custom Scorpyd Bow Case
- Hawke Scopes
- Vortex Scopes
- Trijicon ACOG and RMR Crossbow Sights and Scopes
- SLDS System (Spring Loaded Dampening System)
- Black Eagle Scorpyd Spec Arrows
- Black Eagle Executioner Arrows with Aerovane II
- Firenock AeroBolt II
- Custom Scorpyd Bow Sling
- Short Sled Cocker
- Adjustable Length Rope Cocker
- The "GRIP" Quiver
- The "Lil GRIP" Quiver (available mid-2018)
- Scorpion Venom Kit



SCORPYD CROSSBOWS
411 GREENFIELD DR #7
TIFFIN, IA 52340

319-538-8540 www.scorpyd.com