Securos Cruciate Repair System

Frequently asked questions

Who originated the lateral suture crimping system for cruciate repair?

Crimp tubes have been used for quite some time; however, they have not always been made of surgical grade implant materials. SECUROS was the first to offer these crimp clamps in monofilament nylon/orthofiber compatible stainless steel and titanium nitride coated stainless steel. SECUROS is also the originator of a precise, error-proof, combination crimping device and tensioning instrument.

What is the difference between the SECUROS crimping device and other crimping appliances?

Since the introduction of the crimping system in 1997, Securos has continued its commitment to innovation by optimizing the crimping device design through multiple generations. The PowerX Crimping Device is the 4th-generation design, providing superior crimping benefits over previous models. These improvements are critical to a successful outcome. The PowerX is precisely engineered to deliver a wave pattern of three simultaneous clamp crimps with one action. This pattern yields a 50% increase in holding strength of the clamp, as measured by ultimate tensile strength. Due to the multi-action design of the PowerX, and its compression stop, a 5x mechanical advantage is delivered, which guarantees ease of operation as well as assurance that clamps are not ‘over crushed’, which could result in severing the enclosed suture. Upgrading from an earlier model to the PowerX would be a good investment.

Do I need to purchase the tensioning device that comes with the system?

No you do not. The tensioning device is included in Extracapsular Stabilization Instrumentation Kit offerings; however, it may be purchased a la carte (or deleted from a kit). A common error in technique of lateral suture application is inappropriate suture tensioning. The tensioning device is a purpose-designed locking instrument that allows various suture tension ‘trials’ to be assessed during joint range of motion, before final clamp crimping. Because the instrument is self-locking, this instrument negates the need for a surgical assistant in performing this critical exercise.

Is there a difference between the SECUROS crimp tubes and other crimp tubes?

YES, there is a difference! The SECUROS crimp tubes are produced from the highest quality implant-grade stainless steel and are polished to remove all contaminants and sharp edges. Additionally, Securos is the only veterinary orthopedic company to offer Titanium Nitride (TiN)-coated crimp clamps. TiN is a high quality thin film medical-grade coating applied to the surface of the crimp clamp. Benefits of TiN include: (1) increased biocompatibility provided by a chemically inert TiN barrier on the implant surface, (2) improved resistance of the 316L stainless steel autoclave-induced corrosion, and (3) improved wear resistance prevents material erosion in high wear areas. All clamps accommodate the PowerX crimping device.
**Does one size crimp clamp fit all construct suture?**

NO. Each size monofilament suture or OrthoFiber has its corresponding compatible crimp clamp. Crimp clamps vary in configuration and wall thickness to ensure maximal holding strength to the corresponding gauge (#) suture. The 40# crimp clamp has a circular design, while all other clamps have an oval design. Consequential to this difference, some surgeons find the 40# OrthoFiber crimp clamp easier to crimp with the crimping device than the circular designed 40# clamps, i.e., it is easier to crush an oval than a circle of the same material thickness.

**What can SECUROS offer me that other suppliers cannot?**

Y2017 brought recognition and celebration of Securos’ 20th birthday and an opportunity to share the pride. Since 1997, when Securos was founded by Dr. Karl Kraus, Securos has set its corporate sights on being the veterinary profession’s best resource by delivering new techniques, cutting-edge surgical instrumentation and orthopedic products based on the “Securos Philosophy” of excellence in Innovation, Customer Service, Dedication, Quality, Integrity and Education.

Securos Surgical is internationally recognized as a solutions-focused provider of contemporary innovations with supreme quality and service for best medicine to the veterinary profession. Securos’ reputation is underpinned by:

- **Orthopedics:** implants designed by the most qualified bioengineers in the veterinary industry
- **Suture:** available in a variety of configurations—all providing efficient and secure closures you can rely on
- **Power Equipment:** MicroAire power equipment complying to the highest standards in the medical industry, while setting the benchmark for versatility and ergonomic comfort
- **Surgical Instruments and Repairs:** offering guaranteed quality and repair service for the life of Securos products
- **Continuing Education:** “In the fight against pain and suffering, knowledge is still the best Weapon!” Wet lab offerings including dental and orthopedics
- **Service:** providing the kind of friendly, thorough, and enduring service in which you will take pride recommending to a colleague

**Can I implement Bone Anchors in the SECUROS lateral suture system?**

Absolutely. This option may be preferred by those who struggle with placing the suture around the fabella.

**What kind of guarantee comes with the SECUROS system?**

SECUROS offers lifetime guarantees on all of its instruments and orthopedic implants. Quality and Service that exceeds your expectations – it’s your guarantee with SECUROS.
Proper Crimping 101

The Securos PowerX Crimping Device is designed to be error proof, as long as it is used properly. There is only one optimal way to crimp the crimp clamp.

Optimal Crimp

...of the optimal crimping device