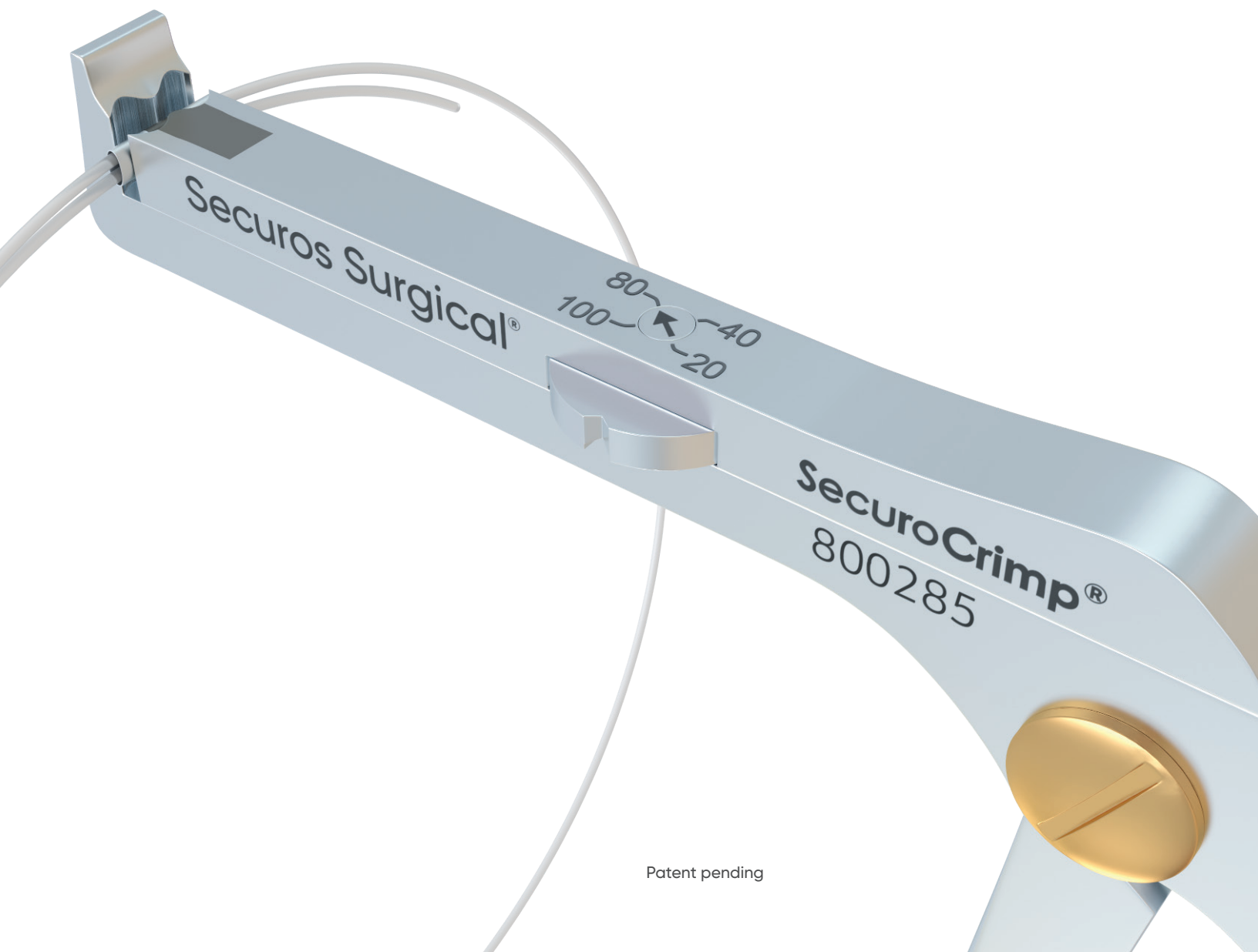


Securos Surgical®

SecuroCrimp®

**Slim Crimping System**



Patent pending

# Premium **quality**, uncompromising **value**

We design quality surgical products and services to help you provide animals with the best possible care. Trust us for innovation, quality, value; all delivered with the industry's most personalized service.



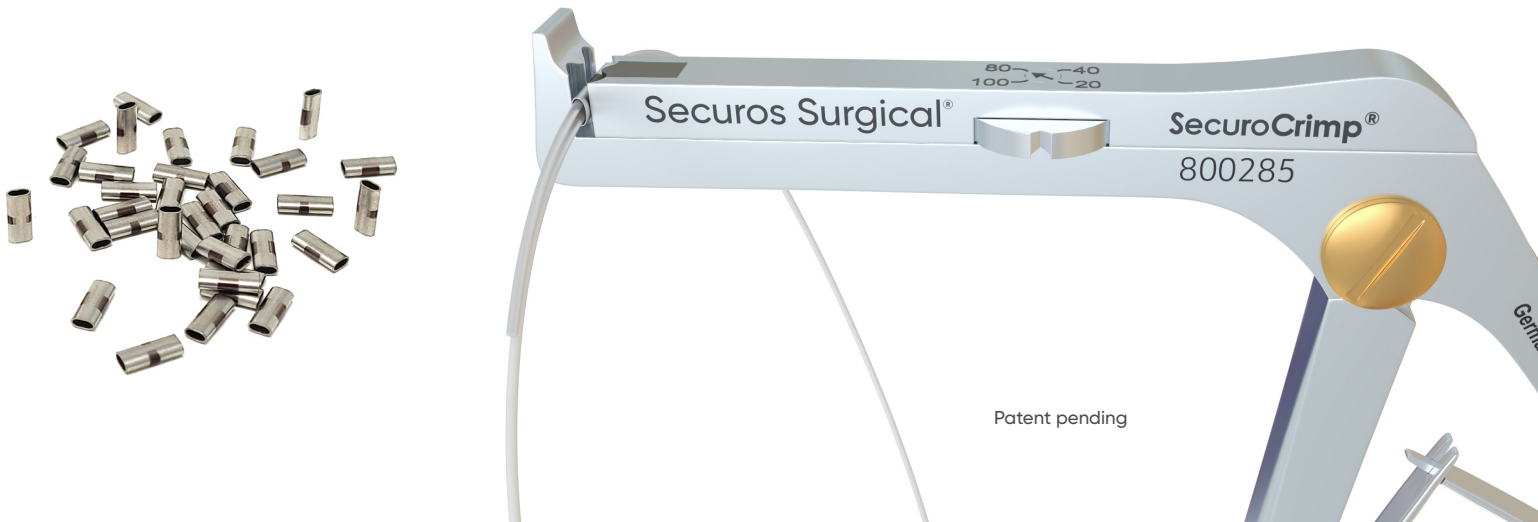
# Innovative, next generation crimping system

Precision engineered with you in mind, so can free yourself from bulky instruments. Improved visibility and ease of use while maintaining crimp security allows for better clinical application and outcomes. Now providing a solution for your smallest patients as well as confidence for the largest. Collaboratively designed with inputs from top industry clinicians.

- **Ease of use** – small, finely balanced Rongeur design ensures proper ergonomics for all hand sizes.
- **Crimp security** – patented wave technology delivers three points of compression on each stainless-steel crimp, enhancing crimp and suture engagement.
- **Improved visibility** – smaller jaws allow greater visibility of the surgical site. Sleek design of the tip of the nose captures the suture and crimp closely alongside the tissue for precise placement within the crimper jaws.
- **Precision crimping** – laser-marked jaws and crimp system align for greater precision and holding power. Wheel allows you to pre-calibrate your size crimp and suture for precision and accuracy.
- **New crimp size** – now offering a 20# crimp for smaller patients.
- **Lightweight design** – reducing fatigue in clinical application.

**Important:** The Slim Crimps are specifically calibrated for use with the SecuroCrimp® system only.

No other prior generation of crimp clamps by Securos or any other manufacturer should be used with this system. Failure to comply will void the warranty.



# SecuroCrimp® Slim Crimping System

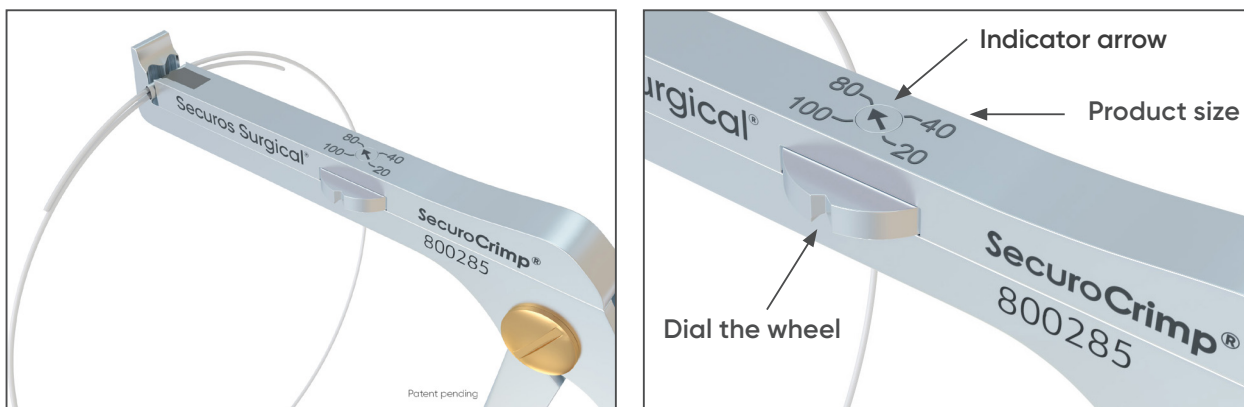
## Easy size selection

Prior to the cruciate repair procedure, determine product selection based on patient weight and activity level. Recommended guide below:

- <20lbs use 20# crimp and suture material
- 20–35lbs use 40# crimp and suture material
- 35–70lbs use 80# crimp and suture material
- 75+lbs use 100# crimp and suture material

On the upper slide of the crimper, dial the sizing wheel to the corresponding patient (and therefore suture and crimp) size. Then select the corresponding procedure-ready suture and crimp pack and begin!

**Surgery ready variety pack of sterile suture sizes and crimps included in our starter kit!**



## Starter kit

### SecuroCrimp® Slim Crimping System

**800291 Includes the items below:**

- |                                                                                 |                                                 |
|---------------------------------------------------------------------------------|-------------------------------------------------|
| 800285                                                                          | SecuroCrimp® Crimping Device                    |
| 800284                                                                          | SecuroCrimp® Tensioning Device                  |
| 043935                                                                          | Cruciate needle holder 7" TC                    |
| 120381                                                                          | Sterilization tray with mat 10.6" x 6.5" x 1.7" |
| 800412                                                                          | SecuroCrimp® Slim Crimp Variety Pack            |
| Sterile, box of four, one pouch of each item:<br>800407, 800408, 800409, 800410 |                                                 |



SecuroCrimp® Crimping Device

800285



Patent pending



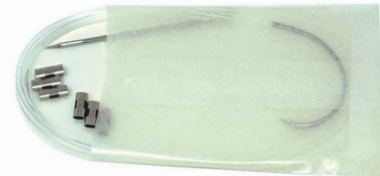
SecuroCrimp® Tensioning Device

800284



# Procedure ready packs (with crimps)

## Sterile, swaged, monofilament nylon suture and slim crimps



| Single strand suture options with three (3) slim crimps<br>Box of six (6) |                                                         | Diameter<br>(inches) | Recommended for single<br>strand bone tunnel |                    | Recommended for double<br>strand bone tunnel |                    |
|---------------------------------------------------------------------------|---------------------------------------------------------|----------------------|----------------------------------------------|--------------------|----------------------------------------------|--------------------|
|                                                                           |                                                         |                      | Drill bit<br>(mm)                            | IM pin<br>(inches) | Drill bit<br>(mm)                            | IM pin<br>(inches) |
| 800410                                                                    | Mini cruciate needle and straight needle, 20# suture    | 0.022                | 1.5, 1.8                                     | 1/16               | 2.4, 2.5                                     | 3/32               |
| 800405                                                                    | Small cruciate needle and straight needle, 40# suture   | 0.032                | 1.5, 1.8                                     | 1/16               | 2.4, 2.5                                     | 3/32               |
| 800406                                                                    | Medium cruciate needle and straight needle, 80# suture  | 0.045                | 2.4, 2.5                                     | 3/32               | 3.5                                          | 9/64               |
| 800416                                                                    | Medium cruciate needle and straight needle, 100# suture | 0.05                 | 2.7, 3.2                                     | 1/8                | 4                                            | 5/32               |
| 800407                                                                    | Large cruciate needle and straight needle, 100# suture  | 0.05                 | 2.7, 3.2                                     | 1/8                | 4                                            | 5/32               |

| Double strand suture options with six (6) slim crimps<br>Box of six (6) |                                                        |       |          |      |          |      |
|-------------------------------------------------------------------------|--------------------------------------------------------|-------|----------|------|----------|------|
| 800411*                                                                 | Small cruciate needle and straight needle, 20# suture  | 0.022 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 800408                                                                  | Small cruciate needle and straight needle, 40# suture  | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 800415                                                                  | Small cruciate needle and straight needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 800409                                                                  | Medium cruciate needle and straight needle, 80# suture | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |

\* coming soon

## Related crimping system products

### Slim crimps and trays

| Non-sterile crimps packs |                       | Pack<br>amount |
|--------------------------|-----------------------|----------------|
| 800417                   | SlimCrimp clamps 20#  | 18             |
| 800418                   | SlimCrimp clamps 40#  | 18             |
| 800419                   | SlimCrimp clamps 80#  | 18             |
| 800420                   | SlimCrimp clamps 100# | 18             |



| Crimp sterilization trays |                                                                 |      |
|---------------------------|-----------------------------------------------------------------|------|
| 097795                    | Crimp clamp sterilization tray, set of three (3) 40#, 80#, 100# | 3    |
| 800404                    | 20# crimp clamp sterilization tray                              | Each |



# Swaged suture only (without crimps)

## Sterile, swaged, monofilament nylon suture



| Single strand suture options with cruciate needle only<br>Box of six (6) |                                     |       | Recommended for single strand bone tunnel |                 | Recommended for double strand bone tunnel |                 |
|--------------------------------------------------------------------------|-------------------------------------|-------|-------------------------------------------|-----------------|-------------------------------------------|-----------------|
|                                                                          |                                     |       | Diameter (inches)                         | IM pin (inches) | Drill bit (mm)                            | IM pin (inches) |
| 029036                                                                   | Mini cruciate needle, 40# suture    | 0.032 | 1.5, 1.8                                  | 1/16            | 2.4, 2.5                                  | 3/32            |
| 029035                                                                   | Small cruciate needle, 40# suture   | 0.032 | 1.5, 1.8                                  | 1/16            | 2.4, 2.5                                  | 3/32            |
| 029034                                                                   | Medium cruciate needle, 40# suture  | 0.032 | 1.5, 1.8                                  | 1/16            | 2.4, 2.5                                  | 3/32            |
| 029033                                                                   | Small cruciate needle, 80# suture   | 0.045 | 2.4, 2.5                                  | 3/32            | 3.5                                       | 9/64            |
| 029032                                                                   | Medium cruciate needle, 80# suture  | 0.045 | 2.4, 2.5                                  | 3/32            | 3.5                                       | 9/64            |
| 029031                                                                   | Large cruciate needle, 80# suture   | 0.045 | 2.4, 2.5                                  | 3/32            | 3.5                                       | 9/64            |
| 035879                                                                   | Medium cruciate needle, 100# suture | 0.05  | 2.7, 3.2                                  | 1/8             | 4                                         | 5/32            |
| 800413                                                                   | Large cruciate needle, 100# suture  | 0.05  | 2.7, 3.2                                  | 1/8             | 4                                         | 5/32            |

Single strand suture options with cruciate and straight needles  
Box of six (6)

|        |                                                     |       |          |      |          |      |
|--------|-----------------------------------------------------|-------|----------|------|----------|------|
| 800608 | Mini cruciate and straight needle, 20# suture       | 0.022 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 036062 | Small cruciate and 3" straight needle, 40# suture   | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 035973 | Medium cruciate and 3" straight needle, 40# suture  | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 045572 | Small cruciate and 3" straight needle, 80# suture   | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 042088 | Medium cruciate and 3" straight needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 036207 | Large cruciate and 3" straight needle, 80# suture   | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 800607 | Medium cruciate and 3" straight needle, 100# suture | 0.05  | 2.7, 3.2 | 1/8  | 4        | 5/32 |
| 800414 | Large cruciate and 3" straight needle, 100# suture  | 0.05  | 2.7, 3.2 | 1/8  | 4        | 5/32 |

Double strand suture options with cruciate needle only  
Box of six (6)

|        |                                    |       |          |      |          |      |
|--------|------------------------------------|-------|----------|------|----------|------|
| 029041 | Small cruciate needle, 40# suture  | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 029040 | Medium cruciate needle, 40# suture | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 029039 | Small cruciate needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 029038 | Medium cruciate needle, 80# suture | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 029037 | Large cruciate needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |

Double strand suture options with cruciate and straight needle  
Box of six (6)

|         |                                                    |       |          |      |          |      |
|---------|----------------------------------------------------|-------|----------|------|----------|------|
| 800609* | Small cruciate and straight needle, 20# suture     | 0.022 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 042089  | Small cruciate and 3" straight needle, 40# suture  | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 036195  | Medium cruciate and 3" straight needle, 40# suture | 0.032 | 1.5, 1.8 | 1/16 | 2.4, 2.5 | 3/32 |
| 056016  | Small cruciate and 3" straight needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 036056  | Medium cruciate and 3" straight needle, 80# suture | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |
| 036183  | Large cruciate and 3" straight needle, 80# suture  | 0.045 | 2.4, 2.5 | 3/32 | 3.5      | 9/64 |

\* coming soon

# Additional items for crimping system

## Instrumentation

|        |                                                       |
|--------|-------------------------------------------------------|
| 800620 | Dual chuck hand chuck-used to predrill holes          |
| 115636 | Small stifle retractor, speed lock, 4.5", 15mm spread |
| 115640 | Medium stifle retractor, speed lock, 5", 20mm spread  |
| 115639 | Large stifle retractor, speed lock, 7", 30mm spread   |
| 042170 | Stifle retractor, speed lock, cross-action tips, 7.0" |
| 055014 | Hohman retractor, 8mm, 6.5" long                      |
| 042165 | Freer periosteal elevator, double ended, 7.5"         |
| 036188 | Fomon rasp and file, double ended                     |
| 035922 | Gelpi retractor, 3.5"                                 |
| 042162 | Lempert rongeur, 6.5" curved                          |
| 030961 | Senn retractor, three prong sharp, 6.25"              |
| 035928 | Meniscus probe, 2.5mm tip                             |
| 031033 | Beaver blade handle                                   |
| 031036 | Beaver blades, size 6400, box of 12                   |

## Additional consumables

| Steinmann/IM Trocar pin, double end, smooth |            | Diameter (inches) | Diameter (mm) | Suture             |
|---------------------------------------------|------------|-------------------|---------------|--------------------|
| 029057                                      | 1/16" x 9" | 1/16              | 1.59          | 1, 2 - 20, 1 - 40# |
| 029059                                      | 3/32" x 9" | 3/32              | 2.38          | 2 - 40#, 1 - 80#   |
| 029061                                      | 1/8" x 9"  | 1/8               | 3.18          | 1 - 100#           |
| 029062                                      | 9/64" x 9" | 9/64              |               | 2 - 80#            |
| 029063                                      | 5/32" x 9" | 5/32              |               | 2 - 100#           |

## Additional consumables

| Break-off bone anchors |           | Color           | Thread length (mm) | Suture            | Drill bit diameter (mm) |
|------------------------|-----------|-----------------|--------------------|-------------------|-------------------------|
| 030974                 | 2.7mm, SS | Stainless steel | 13                 | 1 - 40#           | 2.4                     |
| 030975                 | 3.5mm, SS | Stainless steel | 16                 | 1 - 80#           | 3.2                     |
| 031017                 | 4.5mm, SS | Stainless steel | 19                 | 2 - 80#, 1 - 100# | 3.2                     |
| 035881                 | 2.7mm, TI | Blue            | 13                 | 1 - 40#           | 2.4                     |
| 035876                 | 3.5mm, TI | Gold            | 16                 | 1 - 80#           | 3.2                     |
| 035874                 | 4.5mm, TI | Green           | 19                 | 2 - 80#, 1 - 100# | 3.2                     |

## Additional consumables

| Jacobs Chuck coupling drill bits |       | Diameter (mm) | Total length (mm) | Flute length (mm) | Bone anchor | Suture    |
|----------------------------------|-------|---------------|-------------------|-------------------|-------------|-----------|
| 031129                           | 2.4mm | 2.4           | 142               | 33                | 2.7mm       | 40#       |
| 028992                           | 3.2mm | 3.2           | 165               | 33                | 3.5 / 4.5mm | 80#, 100# |
| 028998                           | 3.2mm | 3.2           | 130               | 40                | 3.5 / 4.5mm | 80#, 100# |
| 029005                           | 3.5mm | 3.5           | 96                | 50                | 3.5 / 4.5mm | 80#, 100# |

### Quick coupling drill bits

|        |       |     |     |    |             |           |
|--------|-------|-----|-----|----|-------------|-----------|
| 042090 | 2.4mm | 2.4 | 140 | 32 | 2.7mm       | 40#       |
| 042252 | 3.2mm | 3.2 | 145 | 43 | 3.5 / 4.5mm | 80#, 100# |
| 029014 | 3.5mm | 3.5 | 100 | 43 | 3.5 / 4.5mm | 80#, 100# |



Titanium bone anchors



Stainless steel bone anchors

# Meniscal scissor punch

## Invaluable tool for any arthrotomy

Securos Surgical meniscal scissor punch has superior quality, exceptional durability, precise tactile feedback, and a sleek low-profile tip. These attributes enhance accessibility to confined joint spaces with cutting-edge precision and meticulous resection control. The stainless steel construction ensures unparalleled sharpness and longevity.

- Superior to using a simple beaver blade
- More sophisticated and ergonomical
- Luer-lock hub for easy cleaning and flush through the shaft after use

## Elevate your procedure

Meniscal Scissor Punch, 5mm straight

123969



# SecuroCrimp® devices: a step by step guide

## Lateral suture / Extracapsular Stifle Stabilization



### Step 1:

Drill the tibial tunnel centered in the muscular groove of the tibia as proximal as possible without entering the joint. Pass cruciate needle from the caudo-distal aspect of the fabella along its deep surface, penetrating the fabello-femoral ligament cranio-proximally. Pass suture through tibial tunnel back to the lateral fabella.



### Step 2:

Loop suture through primary crimp clamp, forming your closed loop. Place secondary crimp clamps on each strand end, sliding them relatively close to your centered, primary crimp. Crimp the two secondary crimps, making those your temporary anchoring crimps.



### Step 3:

Apply the tensioning device on each strand until it holds by itself. The arms of the tensioner are positioned against the secondary crimps and not capturing the circumferential loop of suture underneath, only the ends. From here, tension one click at a time until drawer is removed. Avoid over-tensioning which will result in external rotation.



### Step 4:

Once desired tension is achieved, flip the tensioner handle from medial to lateral (essentially upside down), lifting the tensioned arms so the suture material is raised slightly up off the tissue.



### Step 5:

Apply crimping device to securing primary crimp. The tensioning device can be removed once the primary crimp has been fully crimped.



### Step 6:

Each end of suture containing anchoring, secondary crimps can be trimmed leaving approximately one crimp's length of suture protruding from the securing primary crimp.



### Step 7:

Completed crimped single loop.

Repeat steps 2-6 if doing a second loop (double strand swaged suture is highly recommended).

# Equine laryngoplasty (tie-back) products

## Suture, crimps, and devices

- 800285 SecuroCrimp Crimping Device
- 031134 Suture 80# with needle 1/2 circle cut edge (sterile) - box of six
- 800419 SlimCrimp clamp 80# (non-sterile) - pack of 18
- 045103 Large tensioning device, 63mm spread
- 031037 Universal tensioning device, 33mm spread
- 043935 Needle holder 7" TC



The Securos Surgical prosthetic laryngoplasty (tie-back) has been proven to “improve control of the degree of arytenoid cartilage abduction during laryngoplasty”.<sup>1</sup> By using a locking surgical tensioning device to abduct the cartilage and hold it in place, the surgeon is able to fully observe the amount of abduction. Once the right amount of abduction is achieved, a precise crimping device is used to crimp a surgical clamp (instead of tying a knot) to secure the monofilament suture. Securos offers half circle cutting needles with the monofilament suture swaged on for this procedure.

1. Veterinary Surgery 34: 548-555, 2005.



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uncompromising **value**

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