



# Joint Management

Catalog





We're Securos Surgical,  
the standard for  
customer experience.

## Who is Securos Surgical?

Securos is an innovator of practical solutions for veterinary surgeons. We specialize in orthopedics, but further equip the surgical suite by offering quality daily-use items including surgical instruments and suture.

## What makes us different? Why should you do business with us?

You can trust us for innovation, quality and value. And, as important as the products we bring to market, we deliver these products with the industry's most personalized service.

- Customer-focused in every aspect of what we do and every decision we make
- Problem-solving and inviting of collaboration with our customers to solve those problems
- Experts in our domain, but humble enough to constantly seek feedback
- Clear in our commitment to practical innovation, quality, value and service
- Rooted in the day-to-day reality of veterinary surgeons and general practitioners

### Orthopedics

Developed from the insights of practicing veterinary surgeons.

### Instruments

Performance you can feel the moment each instrument reaches your hand.

### Sutures

Premium quality at price points that drive your success.

# Joint Management

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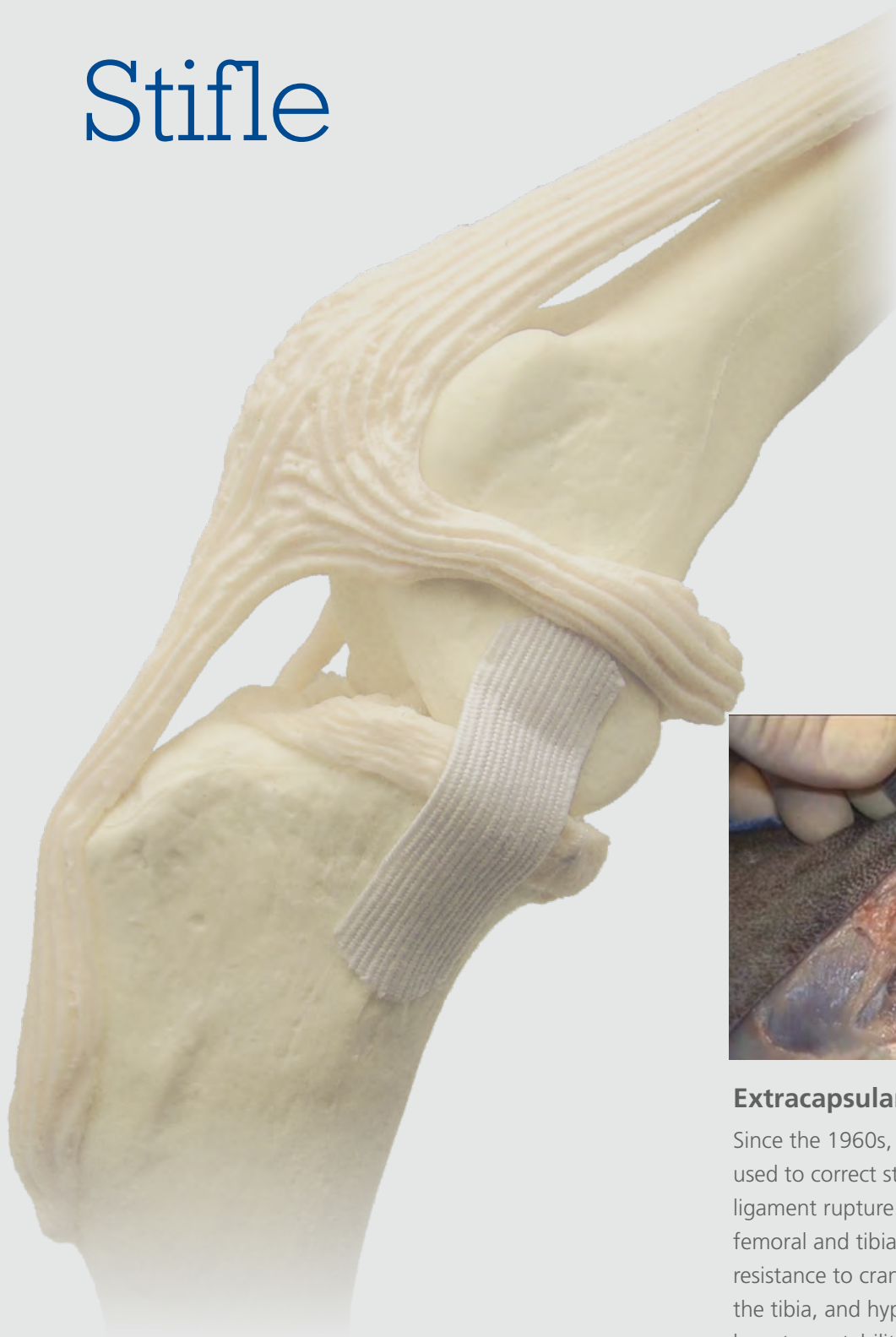
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# Stifle



## Extracapsular Stabilization

Since the 1960s, Extracapsular Stabilization (ES) has been used to correct stifle instability due to cranial cruciate ligament rupture. ES combines synthetic materials with femoral and tibial fixation points to provide passive resistance to cranial tibial translation, internal rotation of the tibia, and hyperextension of the stifle joint such that long term stability and function can be accomplished through periarticular fibrosis.

SECUROS launched its repeatable, calibrated crimping system in 1999 and has continued to pioneer the ES procedure with the addition of Bone Anchors, Titanium Nitride Coated Crimp Clamps, OrthoFiber suture, and the PowerX Crimping Device. SECUROS is the name you trust for Extracapsular Stabilization.



## Tibial Tuberosity Advancement

Tibial Tuberosity Advancement (TTA) was described for use in dogs in the 2000s. The premise of TTA is that an increase in the efficiency of the quadriceps mechanism will subsequently neutralize cranial tibiofemoral shear force in the cranial cruciate ligament deficient stifle. TTA involves an osteotomy of the cranial tibial tuberosity and perpendicular alignment of the patella ligament and common tangent of the femorotibial joint to eliminate cranial tibial thrust.

SECUROS offers an assortment of innovative implants and instruments for TTA including XGEN “forkless” TTA plates, Cut-to-Length TTA cages, PLX spacers, and Velocity Bioactive Synthetic Bone Graft product lines. Introduced in 2014 is an expanded line of “long” plates in Standard and XGEN designs as well as a full range of “half” cage sizes in Standard and Cut-to-Length designs.



## Tibial Plateau Leveling Osteotomy

Tibial Plateau Leveling Osteotomy was introduced in the 1990s to address stifle instability due to cranial cruciate ligament

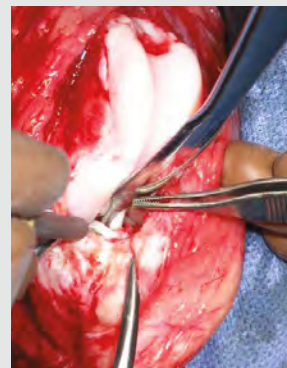
rupture. TPLO limits tibiofemoral shear force by decreasing the natural orientation of the tibial plateau, thereby eliminating cranial tibial thrust. This is achieved by creating a proximal tibial osteotomy and rotating the proximal segment to decrease the tibial plateau angle.

SECUROS first introduced its patented TPLO plate in 2003 and through the years has vastly expanded its product offering to include a full range of TPLO instrumentation and power equipment to provide the ultimate TPLO experience. In 2016, Securos introduced its patent pending

PAX TPLO Plate offering. The novel plate designs feature a proximocaudal curve to optimize plate alignment and screw purchase, crescent head to accommodate high tibial osteotomies, and anatomic precontour generated from 100+ canine patients.

## Meniscal Management

Meniscal injury is often associated with cranial cruciate ligament rupture in dogs. It is theorized that meniscal injury is caused by excessive caudal sliding of the femoral condyle due to cranial cruciate ligament instability. Accurate assessment of the menisci is important for the proper surgical treatment of meniscal pathology in dogs.



SECUROS offers a wide array of instrumentation for proper diagnosis and treatment of meniscal injury including blade handle and blades, retractors, probes, hooks, forceps, and rongeurs.



## Patellar Luxation

Luxation of the patella is one of the most common orthopedic conditions in dogs. The cause of patellar luxation is considered to be a consequence of a variety of skeletal abnormalities affecting the stifle. Several strategies may be required to correct patellar luxation including reconstruction of the patellar soft tissues, deepening of the femoral groove, transposition of the tibial crest, and correction of femoral deformity.

SECUROS features a comprehensive collection of pins, wires, instruments, and saws that provide flexibility and versatility in patellar luxation corrective surgical treatment.

# Extracapsular Stabilization

## PowerX Crimping System

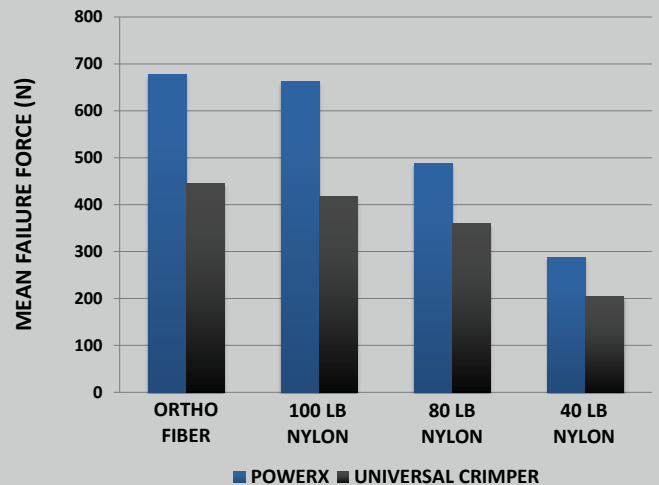
The PowerX Crimping Device is the 4th generation of Securos Surgical crimping devices and delivers several benefits over previous models:

- 50% increase in holding strength (as measured by ultimate tensile strength)
- 5X mechanical advantage due to multi-action design
- Compatible with monofilament nylon (40#, 80#, and 100#) and OrthoFiber sutures
- Precisely engineered wave pattern delivers three crimps at once
- Pat. No. 8,495,902

### Medical Coated Crimp Clamps Improve Biocompatibility

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:

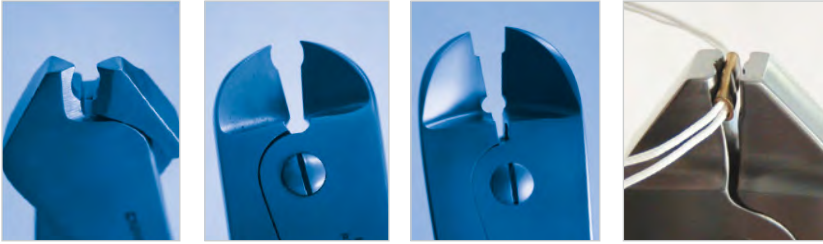
- Increased biocompatibility provided by a chemically inert TiN barrier on surface of implant
- Improved corrosion resistance of the 316LVM stainless steel implant and autoclave induced corrosion
- Improved wear resistance prevents material erosion in high wear areas





# Generations

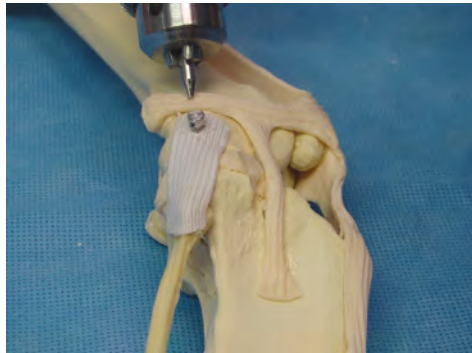
Since the introduction of the Crimping System in 1999, SECUROS has continued its commitment to innovation by optimizing the Crimping Device design through multiple generations. The PowerX Crimping Device is the 4th generation design, providing superior crimping benefits over previous models.



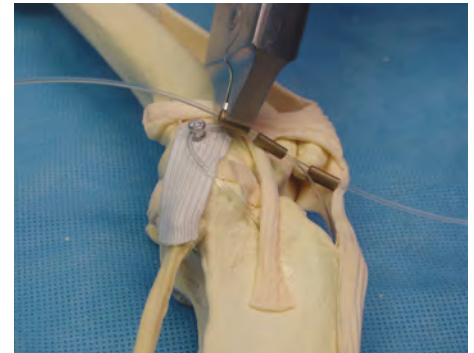
## Step by Step Extracapsular Stabilization



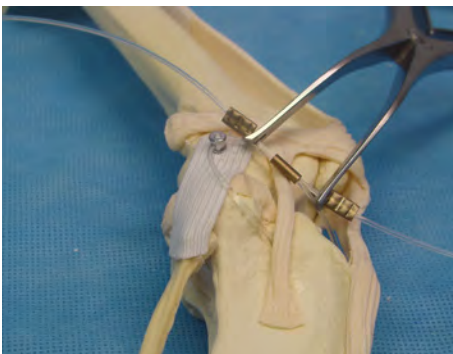
**Step 1:** Drill tibial tunnel centered in or near the muscular groove of the tibia. The tunnel should be placed as proximal as possible with caution taken to avoid entering the joint.



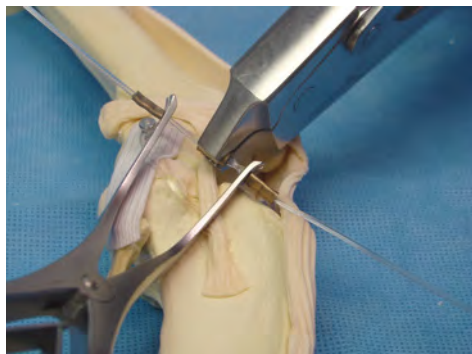
**Step 2:** For bone anchor technique, insert bone anchor in lateral femoral condyle and break away shaft. For fabella technique, use cruciate needle to pass suture around the fabella.



**Step 3:** Pass suture through bone anchor, tibial tunnel, and caudal to the patellar tendon. Loop suture through primary crimp clamp and place secondary crimp clamps on end strands. Center PowerX crimping device on secondary crimps and crimp down completely.



**Step 4:** Using tensioning device, apply tension to the suture loop. Test for tibial thrust and cranial drawer while tensioner holds the construct in place.



**Step 5:** Once the ideal amount of tension is applied and tibial thrust and cranial drawer is eliminated, center the PowerX crimping device on the primary crimp clamp and crimp down completely.



**Step 6:** Cut off the secondary crimp clamps, leaving the suture loop and only the primary crimp in the patient.



# Suggested Kits

## Basic 80lb PowerX Starter Kit:

- 037934 (1) PowerX Crimping Device
- 031037 (1) Universal Tensioning Device
- 029033 (1) 80# Nylon w/Sm Cruciate Needle
- 037937 (1) Crimp Clamp, TiN, 80#, 15pk
- 097795 (3) Small Sterilization Tray for Crimps
- 035251 (1) Cruciate Repair CD-ROM



## Complete 80lb PowerX Starter Kit:

- 037934 (1) PowerX Crimping Device
- 031037 (1) Universal Tensioning Device
- 043935 (1) Cruciate Needle Holder, 7" TC
- 800053 (1) Crimp Clamp, TiN, 40#, 15pk
- 037937 (1) Crimp Clamp, TiN, 80#, 15pk
- 037938 (1) Crimp Clamp, TiN, 100#, 15pk
- 029035 (1) 40# Nylon w/Sm Cruciate Needle
- 029033 (1) 80# Nylon w/Sm Cruciate Needle
- 035879 (1) 100# Nylon w/Med Cruciate Needle
- 097795 (3) Small Sterilization Tray for Crimps
- 035251 (1) Cruciate Repair CD-ROM



## Europe and U.K. Only Kit Part Numbers

- 004340 Basic 80lb PowerX Starter Kit
- 004341 Complete PowerX Starter Kit

# Implants

## Swaged-on Suture (Sterile)

### Single Strand Swaged-on Monofilament Nylon Suture (Box of 6, 30" Length, Sterile)



PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
029036	000372	40# Suture with Mini Cruciate Needle	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029035	001178	40# Suture with Small Cruciate Needle	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029034	001177	40# Suture with Medium Cruciate Needle	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029033	001176	80# Suture with Small Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64
029032	001175	80# Suture with Medium Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64
029031	001174	80# Suture with Large Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64
035879	000511	100# Suture with Medium Cruciate Needle	0.055	2.7, 3.2	1/8	4.0	5/32

### Single Strand Double Swaged-on Monofilament Nylon Suture (Box of 6, 30" Length, Sterile)



PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
036062	001190	40# Suture with Small Cruciate and 3" Straight Needles	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
035973	001186	40# Suture with Medium Cruciate and 3" Straight Needles	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
045572	001192	80# Suture with Small Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64
042088	001188	80# Suture with Medium Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64
036207	001194	80# Suture with Large Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64

## Swaged-on Suture (Sterile)

### Double Strand Swaged-on Monofilament Nylon Suture (Box of 6, 30" Length, Sterile)



PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
029041	001184	40# Suture with Small Cruciate Needle	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029040	001183	40# Suture with Medium Cruciate Needle	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029039	001182	80# Suture with Small Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64
029038	001181	80# Suture with Medium Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64
029037	001180	80# Suture with Large Cruciate Needle	0.045	2.4, 2.5	3/32	3.5	9/64

### Double Strand Double Swaged-on Monofilament Nylon Suture (Box of 6, 30" Length, Sterile)



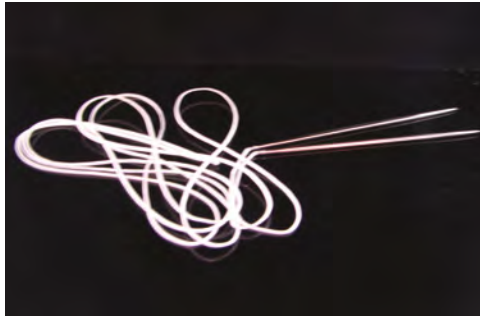
PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
042089	001189	40# Suture with Small Cruciate and 3" Straight Needles	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
036195	001185	40# Suture with Medium Cruciate and 3" Straight Needles	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
056016	001191	80# Suture with Small Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64
036056	001187	80# Suture with Medium Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64
036183	001193	80# Suture with Large Cruciate and 3" Straight Needles	0.045	2.4, 2.5	3/32	3.5	9/64

## Swaged-on Suture (Sterile)

### Single Strand OrthoFiber Braided Polyethylene (Non-absorbable) Suture (Box of 12, 36" Length, Sterile)



001104

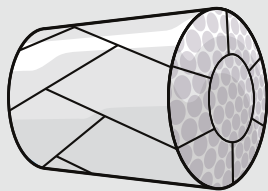


004767



000371

PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
045540	004767	#2 OrthoFiber Suture with 2-3" Straight Needles	0.020	1.5, 1.8	1/16	2.4, 2.5	3/32
031032	001104	#5 OrthoFiber Suture without Needles	0.027	1.5, 1.8	1/16	2.4, 2.5	3/32
035917	000370	#5 OrthoFiber Suture with Small Cruciate and 3" Straight Needles	0.027	1.5, 1.8	1/16	2.4, 2.5	3/32
035248	000371	#5 OrthoFiber Suture with Medium Cruciate and 3" Straight Needles	0.027	1.5, 1.8	1/16	2.4, 2.5	3/32



OrthoFiber is a braided sterile surgical suture prepared from ultra-high molecular weight, long-chain linear polyethylene (UHMWPE) fibers. Its unique, inter-locking core technology provides a sturdy core within the center of the suture to act as a backbone for enhanced handling characteristics. Additional benefits of OrthoFiber include:

- Improved strength and superior fixation characteristics over monofilament
- Superior abrasion resistance when compared to polyester
- Excellent biocompatibility as measured and tested according to ISO 10993
- Available in a variety of pre-sterile suture pack configurations

## Suture Spools

### Monofilament Nylon Suture Spools (100 Yard Length)



PART#	SECURUS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED FOR SINGLE STRAND BONE TUNNEL		RECOMMENDED FOR DOUBLE STRAND BONE TUNNEL	
				DRILL BIT (mm)	IM PIN (")	DRILL BIT (mm)	IM PIN (")
029042	001198	20#	0.022	1.1	1/16	2.0	5/64
029043	001199	40#	0.032	1.5, 1.8	1/16	2.4, 2.5	3/32
029045	002073	60#	0.036	2.0	5/64	2.7, 3.2	1/8
029046	001004	80#	0.045	2.4, 2.5	3/32	3.5	9/64
029047	001106	100#	0.055	2.7, 3.2	1/8	4.0	5/32

## Suture Needles

### Cruciate Needles (Taper Point, Pack of 6)



PART#	SECURUS#	PRODUCT DESCRIPTION	DIAMETER IN / MM	LENGTH MM
029029	001172	Mini (Size 5)	.050 / 1.27	32.0
029028	001171	Small (Size 4)	.062 / 1.57	42.2
029027	001170	Medium (Size 3)	.062 / 1.57	59.1
029026	001169	Large (Size 2)	.062 / 1.57	77.1
029030	001173	Cruciate Needle Variety Pack (2-Small, 2-Medium, 2-Large)		

### Straight Needles (Taper Point, Pack of 6)



PART#	SECURUS#	PRODUCT DESCRIPTION
036208	001195	3"
056021	001196	4"
056022	001197	Straight Needle Variety Pack (3-3", 3-4")



## Crimp Clamps

### Stainless Steel Crimp Clamps (Pack of 15)



40#/OrthoFiber      80#      100#

PART#	SECUROS#	PRODUCT DESCRIPTION
800052	800052	40# OrthoFiber Crimp Clamps
029024	001145	80# Crimp Clamps
029025	001107	100# Crimp Clamps

### Titanium Nitride (TiN) Coated Stainless Steel Crimp Clamps (Pack of 15)



40#/OrthoFiber      80#      100#

PART#	SECUROS#	PRODUCT DESCRIPTION
800053	800053	40# OrthoFiber TiN Coated Crimp Clamps
037937	004352	80# TiN Coated Crimp Clamps
037938	004354	100# TiN Coated Crimp Clamps

### Medical Coated Crimp Clamps Improve Biocompatibility

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:

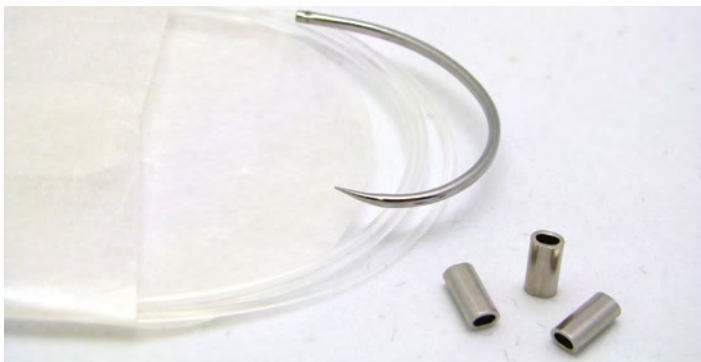


- Increased biocompatibility provided by a chemically inert TiN barrier on surface of implant
- Improved corrosion resistance of the 316LVM stainless steel implant and autoclave induced corrosion
- Improved wear resistance prevents material erosion in high wear areas

## Monofilament Nylon Suture and Crimp Clamp Packs (Sterile)

### Suture and Stainless Steel Crimp Clamps

(1-30" Suture with attached Cruciate Needle, 3 Crimp Clamps)



PART#	SECUROS#	PRODUCT DESCRIPTION
800054	CR40SS	40# Suture w/Sm Needle and 3 SS Crimp Clamps
066051	CR80SS	80# Suture w/Med Needle and 3 SS Crimp Clamps
066052	CR100SS	100# Suture w/Med Needle and 3 SS Crimp Clamps

### Suture and TiN Coated Stainless Steel Crimp Clamps

(1-30" Suture with attached Cruciate Needle, 3 Crimp Clamps)



Contents of Sterile Pouch

PART#	SECUROS#	PRODUCT DESCRIPTION
800055	CR40TI	40# Suture w/Sm Needle and 3 TiN Coated Crimp Clamps
066054	CR80TI	80# Suture w/Med Needle and 3 TiN Coated Crimp Clamps
066055	CR100TI	100# Suture w/Med Needle and 3 TiN Coated Crimp Clamps

# Bone Anchors

## Bone Anchors (Stainless Steel)



PART#	SECUROS#	PRODUCT DESCRIPTION	THREAD LENGTH (mm)	RECOMMENDED FOR BONE ANCHOR	
				SUTURE	DRILL BIT (mm)
030974	001165	2.7mm Bone Anchor	13	1-40#, 1-OrthoFiber	2.4
030975	001166	3.5mm Bone Anchor	16	1-80#, 1-OrthoFiber	3.2
031017	001167	4.5mm Bone Anchor	19	2-80#, 1-100#, 2-OrthoFiber	3.2

## Bone Anchors (Titanium)



PART#	SECUROS#	PRODUCT DESCRIPTION	THREAD LENGTH (mm)	COLOR	RECOMMENDED FOR BONE ANCHOR	
					SUTURE	DRILL BIT (mm)
035881	003524	2.7mm Bone Anchor	13	Blue	1-40#, 1-OrthoFiber	2.4
035876	003525	3.5mm Bone Anchor	16	Gold	1-80#, 1-OrthoFiber	3.2
035874	003526	4.5mm Bone Anchor	19	Green	2-80#, 1-100#, 2-OrthoFiber	3.2

## Step by Step Bone Anchors



**Step 1:** Insert bone anchor using hand chuck or power drill.



**Step 2:** Bend shaft perpendicular to direction of bone anchor hole.



**Step 3:** Break away shaft, leaving threaded portion and eyelet in bone.

# Instruments

## Instruments for Extracapsular Stabilization



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
037934	004033	PowerX Crimping Device	8.75

### PowerX Crimping System

The PowerX Crimping Device is the 4th generation of SECUROS crimping devices and provides several benefits over previous models:

- 50% increase in holding strength (as measured by ultimate tensile strength)<sup>1</sup>
- 5X mechanical advantage due to multi-action design
- Compatible with monofilament nylon (40#, 80#, and 100#) and OrthoFiber sutures

<sup>1</sup> Maritato KC, Barnhart MD, Kazanovicz AJ, et al. In vitro mechanical evaluation and comparison of two crimping devices for securing monofilament nylon and multifilament polyethylene for use in extracapsular stabilization of the canine stifle. Vet Comp Orthop Traumatol 2012; 25.



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
031037	001144	Universal Tensioning Device	6.5



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
043935	840168	Cruciate Needle Holder	Tungsten Carbide Jaws	7

## Drill Bits

### Jacobs Chuck Coupling (BITE Bit, Titanium Nitride Coated)



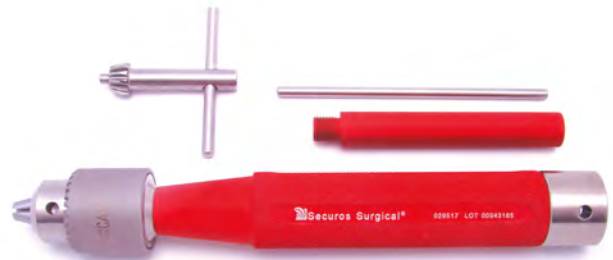
PART#	SECUROS#	DIAMETER (mm)	TOTAL LENGTH (mm)	FLUTE LENGTH (mm)	RECOMMENDED FOR USE WITH BONE ANCHOR
031129	001358	2.4	142	33	2.7mm
028997	002038	2.7	88	50	
028992	001357	3.2	165	33	3.5/4.5mm
029005	002040	3.5	96	50	

\*See page 93 for Quick Coupling Drill Bits.

## Hand Chucks



001480



001479

PART#	SECUROS#	PRODUCT DESCRIPTION	MAXIMUM PIN SIZE (")	LENGTH (")
029519	001480	Mini Dual Hand Chuck	5/32"	5.75
029517	001479	Dual Chuck Hand Chuck	1/4"	6.5



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
047958	005015	Jacobs Chuck Key Extension Handle	5.5



Before



In Use

# Sterilization Containers

## Sterilization Trays



**097795**



**000513**



**004870**

PART#	SECURO#	PRODUCT DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
097795	097795	Crimp Clamp Tray	60	29	6
ACCOMMODATES					
Crimp Clamps, 3 Pack of Trays (etched 40#, 80#, 100#)					

PART#	SECURO#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
042046	000513	Perforated Tray	10	6.5	2
ACCOMMODATES					
Instruments					

PART#	SECURO#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
049104	004870	PowerX Tray	11	0.75	2.25
ACCOMMODATES					
Bone Anchors, PowerX Crimping Device, Universal Tensioning Device, Cruciate Needle Holder, Micro Beaver Blade Handle, 6-8mm Hohmann Retractor, Small Sterilization Tray (4)					

## Organizer Bags



PART#	SECURO#	PRODUCT DESCRIPTION
035926	001008	Bone Anchor Organizer Bag
ACCOMMODATES		
Bone Anchors, 2.4mm and 3.2mm Drill Bits, Dual Chuck Hand Chuck, Chuck Key, Small Sterilization Tray (2)		



# Tibial Tuberosity Advancement

## Xgen TTA System

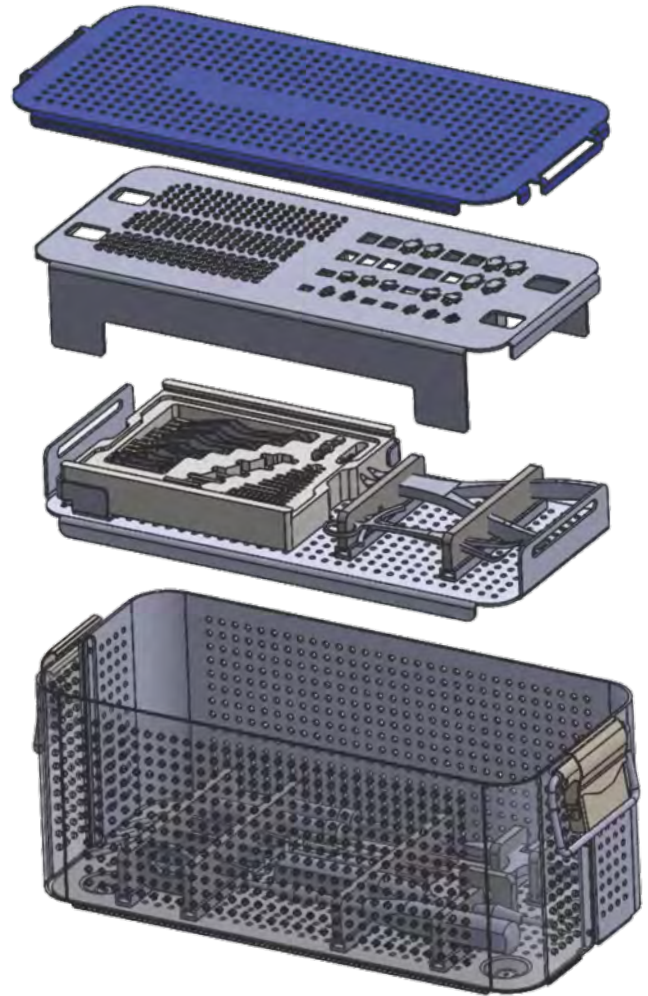
- No fork means greater versatility in contouring the plate - contouring does not affect screw placement!
- No hammering! Since no force is needed to seat the Xgen plate, there's no concern of separating the tuberosity prior to completing the cut.
- More flexibility in adjusting plate orientation (Xgen plate can pivot around top screw).
- Less holes in bone equal fewer stress risers.
- The Xgen plate hole spacing offers greater proximal/distal placement options on the tuberosity.
- No forks equal less inventory.
- Greater plate versatility intra-operatively.



# Suggested Kits

## XGEN TTA Kit:

- 031140 (1) TTA Plate Bender
- 031144 (1) TTA T-Handle
- 063300 (1) 3mm TTA (Handle) spacer
- 063301 (1) 6mm TTA (Handle) spacer
- 063302 (1) 9mm TTA (Handle) spacer
- 063303 (1) 12mm TTA (Handle) spacer
- 055050 (1) 1.8/2.4mm Double Drill Guide
- 031195 (1) 2.0/2.7mm Double Drill Guide
- 030996 (1) 2.5/3.5mm Double Drill Guide
- 029097 (1) 1.5/2.0/2.4mm Depth Gauge
- 029098 (1) 2.7/3.5/4.0mm Depth Gauge
- 035880 (1) Screwdriver shaft w/ Holding Sleeve for 2.4mm screws
- 029524 (1) Screwdriver w/ Holding Slv for 2.7, 3.5 & 4.0mm screws
- 042400 (1) Cage Cutter w/ TC Inserts
- 035878 (1) Bone Reduction Forceps, 5.5"
- 031139 (1) 1.8mm Jacobs Chuck Coupling Drill Bit (for 2.4 screws)
- 028995 (1) 2.0mm Jacobs Chuck Coupling Drill Bit (for 2.7 screws)
- 028996 (1) 2.5mm Jacobs Chuck Coupling Drill Bit (for 3.5 screws)
- 055165 (1) Cuttable TTA Cage, Ti, 3mm x 19mm
- 055166 (1) Cuttable TTA Cage, Ti, 4.5mm x 16mm
- 042341 (1) Cuttable TTA Cage, Ti, 6mm x 22mm
- 042448 (1) Cuttable TTA Cage, Ti, 7.5mm x 22mm
- 042345 (1) Cuttable TTA Cage, Ti, 9mm x 25mm
- 042450 (1) Cuttable TTA Cage, Ti, 10.5mm x 26mm
- 042347 (1) Cuttable TTA Cage, Ti, 12mm x 28mm
- 055168 (1) Cuttable TTA Cage, Ti, 15mm x 31mm
- 052718 (1) XGEN TI TTA Plate, 2-2 hole, 1.0mm Thick
- 042157 (1) XGEN TI TTA Plate, 3-2 hole, 1.0mm Thick
- 042158 (1) XGEN TI TTA Plate, 4-2 hole, 1.0mm Thick
- 035869 (1) XGEN TI TTA Plate, 5-2 hole, 1.0mm Thick
- 042159 (1) XGEN TI TTA Plate, 6-3 hole, 1.0mm Thick
- 042160 (1) XGEN TI TTA Plate, 7-3 hole, 1.0mm Thick
- 042161 (1) XGEN TI TTA Plate, 8-3 hole, 1.0mm Thick
- (4 each) 2.4 x 10-40mm Ti, Self-Tapping, Hex head Screw
- (2 each) 2.7 x 14-26mm Ti, Self-Tapping, Hex head Screw
- (2 each) 3.5 x 16-30mm Ti, Self-Tapping, Hex head Screw
- 042430 (1) 2mm PLX Spacer Implant, Ti
- 042432 (1) 4mm PLX Spacer Implant, Ti
- 042434 (1) 6mm PLX Spacer Implant, Ti
- 058884 (1) Screw Tray for 2.4, 2.7 and 3.5mm Screws
- 058885 (1) TTA Plate Tray, for XGEN or Forked, Long & Standard
- 058883 (1) TTA Cage Tray, for cuttable or standard
- 058886 (1) Full Tray Covers, set of 2
- 059041 (1) Half Tray Cover



## TTA Complete Sterilization Tray

(Contact Securos for this option)



058885 – TTA Plate Tray



058884 – TTA Screw Tray

## Europe and U.K. Only Kit Part Numbers

- 003443 XGEN TTA Kit - Titanium
- 003437 XGEN TTA Kit - Stainless Steel

List may differ from above.



059265 – TTA Instrument Tray



058883 – TTA Cage Tray

# Implants

## Standard TTA Cages

### Standard TTA Cages - Stainless Steel (For use with 2.4mm screws)



PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052085	005042	3	10
042058	000717	3	13
042059	000718	3	16
042060	000719	3	19

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052086	005048	4.5	10
052087	005049	4.5	13
052088	005050	4.5	16

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052089	005054	6	13
029510	001615	6	16
029511	001616	6	19
029512	001617	6	22

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052090	004440	7.5	16
052091	004441	7.5	19
052092	004442	7.5	22

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052093	005056	9	16
029513	001618	9	19
029514	001619	9	22
029515	001620	9	25

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052094	004449	10.5	19
052095	004454	10.5	22
052096	004456	10.5	25

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
029507	001621	12	22
029508	001622	12	25
029509	003553	12	28

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052097	005060	13.5	22
052098	005061	13.5	25
052099	005062	13.5	28

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
052143	005068	15	25
055141	005069	15	28
055142	005070	15	31



## Cut-to-Length TTA Cages

### Cut-to-Length TTA Cages - Stainless Steel (For use with 2.4mm screws)



PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)
055161	005044	3	19
055162	005052	4.5	16
042339	003736	6	22
042447	004443	7.5	22
042340	003737	9	25
043145	004455	10.5	25
038422	003738	12	28
055163	005064	13.5	28
055164	004865	15	31
042405	003788	16	34

# Standard TTA Cages

## Standard TTA Cages - Titanium (For use with 2.4mm screws)



PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055143	005041	3	10	Gold
042061	000720	3	13	Gold
036191	000721	3	16	Gold
036187	000722	3	19	Gold

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055144	005045	4.5	10	Green
055145	005046	4.5	13	Green
055146	005047	4.5	16	Green

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055147	005053	6	13	Blue
029486	001624	6	16	Blue
029487	001625	6	19	Blue
029488	001626	6	22	Blue

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055148	004445	7.5	16	Copper
055149	004446	7.5	19	Copper
055150	004447	7.5	22	Copper

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055151	005055	9	16	Light Blue
029489	001627	9	19	Light Blue
029491	001628	9	22	Light Blue
029492	001629	9	25	Light Blue

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055152	004457	10.5	19	Purple
055153	004462	10.5	22	Purple
055154	004463	10.5	25	Purple

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
029483	001101	12	22	Pink
029484	001102	12	25	Pink
029485	001103	12	28	Pink

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055155	005057	13.5	22	Yellow
055156	005058	13.5	25	Yellow
055157	005059	13.5	28	Yellow

PART#	SECUROS#	WIDTH (mm)	LENGTH (mm)	COLOR
055158	005065	15	25	Brown
055159	005066	15	28	Brown
055160	005067	15	31	Brown



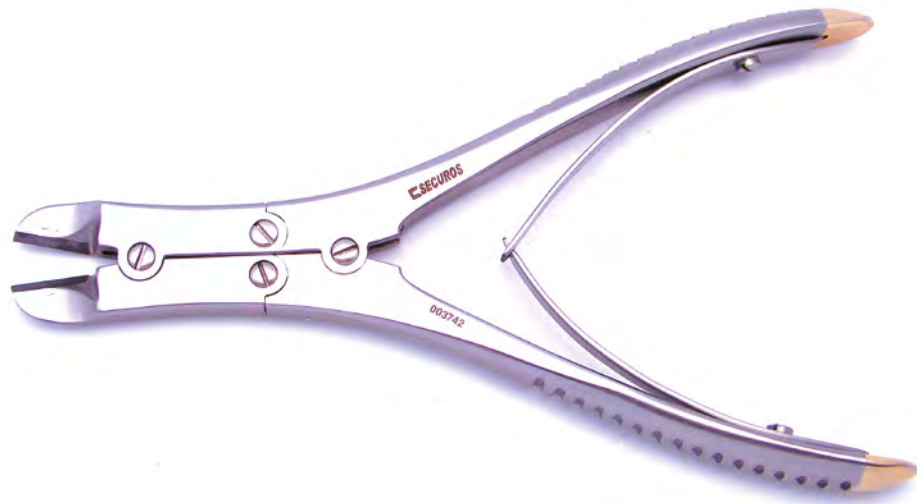
## Cut-to-Length TTA Cages

### Cut-to-Length TTA Cages - Titanium (For use with 2.4mm screws)



PART#	SECUROS #	WIDTH (mm)	LENGTH (mm)	COLOR
055165	005043	3	19	Gold
055166	005051	4.5	16	Green
042341	003739	6	22	Blue
042448	004448	7.5	22	Copper
042345	003740	9	25	Light Blue
042450	004464	10.5	26	Purple
042347	003741	12	28	Pink
055167	005063	13.5	28	Yellow
055168	004866	15	31	Brown
042404	003787	16	34	Green

## TTA Cage Cutter (For use with Cut-to-Length Cages)

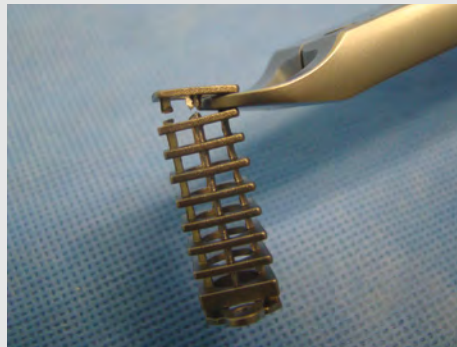


PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
042400	003742	TTA Cage Cutter	Tungsten Carbide Inserts	6.25

### Step by Step Cutting a Cage



**Step 1:** Measure length of cage needed and determine where to begin cutting.



**Step 2:** Cut all 4 ribs at desired length.



**Step 3:** Remove and discard the cut portion of the cage.

## XGEN TTA Plates

### XGEN TTA Plates - Stainless Steel (1.0mm Thickness)



590002



590006

PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTHS (mm)	RECOMMENDED SCREWS (mm)	
				PROXIMAL HOLES	DISTAL HOLES
052711	590027	2-2 Hole	40	2.4	2.4
035873	590000	3-2 Hole	41	2.4	2.7
035877	590002	4-2 Hole	51	2.4	2.7
035244	590004	5-2 Hole	64	2.4	2.7
800066	800066	5-3 Hole	64	2.4	2.7
035249	590006	6-3 Hole	77	2.4	3.5
035871	590008	7-3 Hole	90	2.4	3.5
035915	590010	8-3 Hole	103	2.4	3.5

### XGEN Long TTA Plates - Stainless Steel (1.0mm Thickness)



590031



590035

PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTHS (mm)	RECOMMENDED SCREWS (mm)	
				PROXIMAL HOLES	DISTAL HOLES
052712	590029	3-2 Hole - Long	51	2.4	2.7
052713	590031	4-2 Hole - Long	63	2.4	2.7
052714	590033	5-2 Hole - Long	74	2.4	2.7
052715	590035	6-3 Hole - Long	88	2.4	3.5
052716	590037	7-3 Hole - Long	100	2.4	3.5
052717	590039	8-3 Hole - Long	114	2.4	3.5

## XGEN TTA Plates

### XGEN TTA Plates - Titanium (1.0mm Thickness, Purple)



591003



591007

PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTHS (mm)	RECOMMENDED SCREWS (mm)	
				PROXIMAL HOLES	DISTAL HOLES
052718	590028	2-2 Hole	40	2.4	2.4
042157	591001	3-2 Hole	41	2.4	2.7
042158	591003	4-2 Hole	51	2.4	2.7
035869	591005	5-2 Hole	64	2.4	2.7
042159	591007	6-3 Hole	77	2.4	3.5
042160	591009	7-3 Hole	90	2.4	3.5
042161	591011	8-3 Hole	103	2.4	3.5

### XGEN Long TTA Plates - Titanium (1.0mm Thickness, Purple)



590032



590036

PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTHS (mm)	RECOMMENDED SCREWS (mm)	
				PROXIMAL HOLES	DISTAL HOLES
052719	590030	3-2 Hole - Long	51	2.4	2.7
052720	590032	4-2 Hole - Long	63	2.4	2.7
052721	590034	5-2 Hole - Long	74	2.4	2.7
052722	590036	6-3 Hole - Long	88	2.4	3.5
052723	590038	7-3 Hole - Long	100	2.4	3.5
052724	590040	8-3 Hole - Long	114	2.4	3.5

# XGEN TTA Plates

## XGEN TTA Plates - Titanium (1.5mm Thickness, Teal)



PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTHS (mm)	RECOMMENDED SCREWS (mm)	
				PROXIMAL HOLES	DISTAL HOLES
035919	590001	3-2 Hole	41	2.4	2.7
035914	590003	4-2 Hole	51	2.4	2.7
042150	590005	5-2 Hole	64	2.4	2.7
042379	042379	5-3 Hole	64	2.4	3.5
035870	590007	6-3 Hole	77	2.4	3.5
035916	590009	7-3 Hole	90	2.4	3.5
035923	590011	8-3 Hole	103	2.4	3.5





## Standard TTA Plates

### Standard TTA Plates - Stainless Steel (1.0mm Thickness)



PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTH (mm)	RECOMMENDED FORK FOR PROXIMAL HOLES	RECOMMENDED SCREWS (mm) FOR DISTAL HOLES
052725	005073	2 Hole	40	2 Prong	2.4
029493	001091	3 Hole	41	3 Prong	2.7
029495	001092	4 Hole	51	4 Prong	2.7
029496	001093	5 Hole	64	5 Prong	2.7
029497	001094	6 Hole	77	6 Prong	3.5
029498	001095	7 Hole	90	7 Prong	3.5
029499	001096	8 Hole	103	8 Prong	3.5

### Standard Long TTA Plates - Stainless Steel (1.0mm Thickness)



PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTH (mm)	RECOMMENDED FORK FOR PROXIMAL HOLES	RECOMMENDED SCREWS (mm) FOR DISTAL HOLES
052726	005075	3 Hole - Long	51	3 Prong	2.7
052727	005077	4 Hole - Long	63	4 Prong	2.7
052728	005079	5 Hole - Long	74	5 Prong	2.7
052729	005081	6 Hole - Long	88	6 Prong	3.5
052730	005083	7 Hole - Long	100	7 Prong	3.5
052731	005085	8 Hole - Long	114	8 Prong	3.5

## Standard TTA Plates

### Standard TTA Plates - Titanium (1.0mm Thickness, Teal)



PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTH (mm)	RECOMMENDED FORK FOR PROXIMAL HOLES	RECOMMENDED SCREWS (mm) FOR DISTAL HOLES
052732	005072	2 Hole	40	2 Prong	2.4
029471	001097	3 Hole	41	3 Prong	2.7
029472	001098	4 Hole	51	4 Prong	2.7
029473	001099	5 Hole	64	5 Prong	2.7
029474	001100	6 Hole	77	6 Prong	3.5
029475	001601	7 Hole	90	7 Prong	3.5
029476	001602	8 Hole	103	8 Prong	3.5

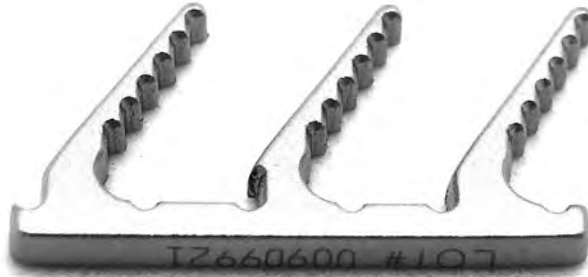
### Standard Long TTA Plates - Titanium (1.0mm Thickness, Teal)



PART#	SECUROS#	PRODUCT DESCRIPTION	PLATE LENGTH (mm)	RECOMMENDED FORK FOR PROXIMAL HOLES	RECOMMENDED SCREWS (mm) FOR DISTAL HOLES
052733	005074	3 Hole - Long	51	3 Prong	2.7
052734	005076	4 Hole - Long	63	4 Prong	2.7
052735	005078	5 Hole - Long	74	5 Prong	2.7
052736	005080	6 Hole - Long	88	6 Prong	3.5
052737	005082	7 Hole - Long	100	7 Prong	3.5
052738	005084	8 Hole - Long	114	8 Prong	3.5

## TTA Forks

### TTA Forks - Stainless Steel (For use with Stainless Steel Standard or Standard Long TTA Plates)



PART#	SECUROS#	PRODUCT DESCRIPTION
052739	005087	2 Prong
029502	001603	3 Prong
029501	001604	4 Prong
029503	001605	5 Prong
029504	001606	6 Prong
029505	001607	7 Prong
029506	001608	8 Prong

### TTA Forks - Titanium (Gold, For use with Titanium Standard or Standard Long TTA Plates)



PART#	SECUROS#	PRODUCT DESCRIPTION
052740	005086	2 Prong
042211	001609	3 Prong
029478	001610	4 Prong
029479	001611	5 Prong
029480	001612	6 Prong
029481	001613	7 Prong
029482	001614	8 Prong

## 2.4mm Cortical Screws

### 2.4mm Cortical Screw, Self-Tapping, Cruciform Recess-Stainless Steel



**Diameter of Thread: 2.4mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.8mm**

**For Use with 2.4mm Cruciform Screwdriver**

PART#	SECUROS#	LENGTH (mm)
047227	100095	6
047228	100096	7
047229	100097	8
047230	100098	9
047231	100099	10
047232	100100	11
047233	100101	12
047234	100102	13
047235	100103	14
047236	100104	16
047237	100105	18
047238	100106	20
047239	100107	22
047240	100108	24
047241	100109	26
047242	100110	28
047243	100111	30
047244	100112	32
047245	100113	34
047246	100114	36
047247	100115	38
047248	100116	40

### 2.4mm Cortical Screw, Self-Tapping, Cruciform Recess-Titanium (Copper)



**Diameter of Thread: 2.4mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.8mm**

**For Use with 2.4mm Cruciform Screwdriver**

PART#	SECUROS#	LENGTH (mm)
053377	100089	6
053378	100090	7
053379	100091	8
053380	100092	9
049255	005021	10
053381	100093	11
049256	005023	12
053382	100094	13
049257	005024	14
049258	005025	16
049259	005026	18
049260	005027	20
049261	005028	22
049262	005029	24
049263	005030	26
049264	005031	28
049265	005032	30
049266	005033	32
049268	005034	34
049269	005035	36
049270	005036	38
049271	005037	40



## 2.4mm Cortical Screws

### 2.4mm Cortical Screw, Self-Tapping, Hexagonal Recess- Stainless Steel



**Diameter of Thread: 2.4mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.8mm**

**For Use with 2.4mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042298	002613	6
053369	005133	7
042299	002614	8
053370	005134	9
030982	001027	10
053371	005135	11
030983	001028	12
053372	005136	13
030984	001029	14
030985	001030	16
030986	001031	18
030987	001032	20
030980	001033	22
030988	001034	24
030989	001035	26
030981	001036	28
030990	001037	30
030991	001038	32
030992	001039	34
030993	001040	36
030994	001041	38
030995	001042	40

### 2.4mm Cortical Screw, Self-Tapping, Hexagonal Recess-Titanium (Copper)



**Diameter of Thread: 2.4mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.8mm**

**For Use with 2.4mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042300	002684	6
053373	005138	7
042301	002685	8
053374	005140	9
031038	001043	10
031039	001044	12
031040	001045	14
031041	001046	16
031042	001047	18
031043	001048	20
031044	001049	22
031045	001050	24
031046	001051	26
031047	001052	28
031048	001053	30
031049	001054	32
031050	001055	34
031051	001056	36
031052	001057	38
031053	001058	40

## 2.7mm Cortical Screws

### 2.7mm Cortical Screw, Self-Tapping, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 2.7mm**

**Diameter of Head: 5.0mm**

**Drill Bit for Threaded Hole: 2.0mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
031116	002540	6
029166	001878	8
029167	001879	10
029168	001880	12
029169	001881	14
029170	001882	16
029171	001883	18
029172	001630	20
029173	001631	22
029174	001632	24
029175	001633	26
029176	001634	28
029177	001635	30
029178	001636	32
031117	002549	34
031152	002550	36
035974	003554	38
042294	002551	40

### 2.7mm Cortical Screw, Self-Tapping, Hexagonal Recess-Titanium (Blue)



**Diameter of Thread: 2.7mm**

**Diameter of Head: 5.0mm**

**Drill Bit for Threaded Hole: 2.0mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
031054	001059	10
031055	001060	12
031056	001061	14
031057	001062	16
031058	001063	18
031059	001064	20
031060	001065	22
031061	001066	24
031062	001067	26
031063	001068	28
042074	001069	30
042075	001070	32
042076	001071	34
042077	001072	36
042078	001073	38
042079	001074	40

\*Non-Self-Tapping screws are available. Contact Securos.

## 3.5mm Cortical Screws

### 3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 3.5mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.5mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029200	001885	10
029201	001886	12
029202	001887	14
029203	001888	16
029204	001889	18
029205	001890	20
029207	001891	22
029208	001892	24
029209	001893	26
029210	001894	28
029211	001895	30
029212	001896	32
029213	001897	34
029214	001898	36
029215	001899	38
029216	002101	40

### 3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess- Titanium (Gold)



**Diameter of Thread: 3.5mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.5mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042080	001075	10
031070	001076	12
031071	001077	14
031072	001078	16
031073	001079	18
031074	001080	20
031075	001081	22
031076	001082	24
031077	001083	26
031078	001084	28
031079	001085	30
042082	001086	32
042083	001087	34
042084	001088	36
042085	001089	38
042086	001090	40

\*Non-Self-Tapping screws are available. Contact Securos.

## Patella Luxation Spacers

### Tubular PLX Spacers - Stainless Steel



PART#	SECUROS#	LENGTH (mm)
■ 372167	004745	2
■ 372168	004746	4
■ 372169	004747	6

### Tubular PLX Spacers - Titanium



PART#	SECUROS#	LENGTH (mm)	COLOR
045061	004709	4	Blue
045062	004710	6	Light Blue

### PLX Spacers - Stainless Steel



PART#	SECUROS#	LENGTH (mm)
042429	004329	2
042431	004331	4
042433	004333	6

### PLX Spacers - Titanium



PART#	SECUROS#	LENGTH (mm)	COLOR
042430	004330	2	Gold
042432	004332	4	Gold
042434	004334	6	Gold



PLX Spacer

Washers

■ special order item



# Instruments

## Instruments for TTA



PART#	SECUROS#	PRODUCT DESCRIPTION
031140	003095	TTA Plate Bender

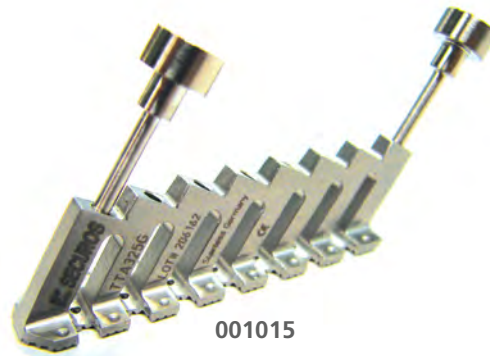


PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
031144	001014	TTA T-Handle	3



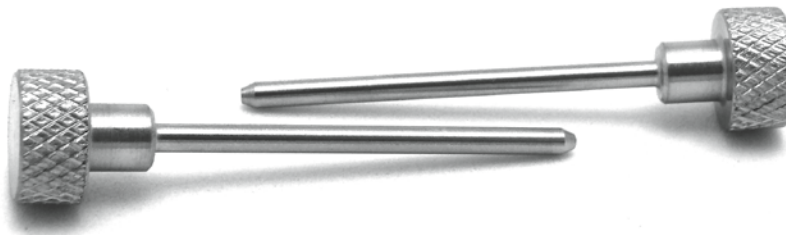
PART#	SECUROS#	PRODUCT DESCRIPTION
063300	000723	3mm TTA Spacer
063301	002930	6mm TTA Spacer
063302	002931	9mm TTA Spacer
063303	002922	12mm TTA Spacer
063304	063304	15mm TTA Spacer

## Instruments for use with Standard TTA Plates



\* Posts shown are not included.

PART#	SECUROS#	PRODUCT DESCRIPTION
031141	001015	Fork Drill Guide - 8 Holes



PART#	SECUROS#	PRODUCT DESCRIPTION
031145	002920	1.7mm Posts (Pack of 2) for 1.8mm Drill Bit
031147	002921	1.9mm Posts (Pack of 2) for 2.0mm Drill Bit



PART#	SECUROS#	PRODUCT DESCRIPTION
031143	002069	Fork Inserter



PART#	SECUROS#	PRODUCT DESCRIPTION	HEAD DIAMETER (")	WEIGHT (g)	LENGTH (")
048375	840400	Lucae Mallet	1	250	7.75

\* See pages 92-99 for more instrumentation.

# Tibial Plateau Leveling Osteotomy

## PAX Locking TPLO Plate System

- 2.0 / 2.4 / 2.7 / 3.5 mm TPLO Plates
- Polyaxial locking titanium alloy plates and screws for supreme biocompatibility
- Proximocaudal curve to optimize plate alignment and screw purchase
- Crescent head to accommodate high tibial osteotomies
- Anatomic precontour generated from 100-plus canine patients
- 32-month research and development initiative
- Autoclavable organizer tray for plates and forceps.

*\*Patent pending design*

**See PAX Polyaxial Locking System in the PAX Catalog for more detail.**

### PAX Locking TPLO Plate Suggested Kit

- (2) PAX TPLO Plate, 2.0mm Left and Right (TI)
- (2) PAX TPLO Plate, 2.4mm Left and Right (TI)
- (2) PAX TPLO Plate, 2.7mm Left and Right (TI)
- (2) PAX TPLO Plate, 3.5mm Left and Right (TI)
- (2) PAX TPLO Plate, 3.5mm Left and Right (Broad) (TI)
- (5) PAX 2.0mm Screws, 6-20mm
- (5) PAX 2.4mm Screws, 6-24mm
- (5) PAX 2.7mm Screws, 10-50mm
- (5) PAX 3.5mm Screws, 10-50mm
- 042389 (1) PAX Plate Holding Forceps
- 042387 (1) PAX Stardrive Screwdriver, T6
- 042353 (1) PAX Stardrive Screwdriver, T15
- 029529 (1) QC Handle, Straight
- 042388 (1) PAX Drill Guide 1.3/1.7mm (for 2.0/2.4mm screws)
- 042354 (1) PAX Drill Guide 2.0/2.5mm (for 2.7/3.5mm screws)
- 051986 (1) 2.0mm PAX Compressional Drill Guide
- 051987 (1) 2.4mm PAX Compressional Drill Guide
- 051988 (1) 2.7mm PAX Compressional Drill Guide
- 051989 (1) 3.5mm PAX Compressional Drill Guide
- 042390 (2) PAX 1.3mm Drill Bit
- 042391 (2) PAX 1.7mm Drill Bit
- 029010 (2) 2.0mm QC Drill Bit
- 029011 (2) 2.5mm QC Drill Bit
- 042392 (1) PAX Depth Gauge 2.0/2.4mm
- 042355 (1) PAX Depth Gauge 2.7/3.5mm
- 042437 (1) TPLO Jig
- 051701 (1) 2.0/2.4mm PAX Screw Rack
- 051707 (1) Lid for 051701
- 090011 (1) 2.7/3.5mm PAX Screw Rack
- 051948 (1) Lid for 007360
- 066073 (1) PAX Instrument Full Tray 2.0/2.4/2.7/3.5mm
- 066092 (1) PAX Instrument Full Tray Cover (Pkg of 2)
- 062680 (1) PAX TPLO Tray
- 062727 (1) TPLO Tray Cover

**PAX**  
AmerisourceBergen

Radiograph provided by Professor  
Filippo Martini, Parma – Italy



# Implants

## PAX Locking TPLO Plates

### 2.0mm Locking TPLO Plates

Shaft Width: 5.5mm

Thickness: 2.3mm



PART#	SECUROS#	# OF HOLES	SIDE
062804	062804	5	Left
062805	062805	5	Right

### 2.4mm Locking TPLO Plates

Shaft Width: 6.5mm

Thickness: 2.3mm



PART#	SECUROS#	# OF HOLES	SIDE
062802	062802	5	Left
062803	062803	5	Right

### 2.7mm Locking TPLO Plates

Shaft Width: 9.5mm

Thickness: 2.5mm



PART#	SECUROS#	# OF HOLES	SIDE
062800	062800	5	Left
062801	062801	5	Right

### 3.5mm Locking TPLO Plates

Shaft Width: 11.0mm

Thickness: 3.7mm



PART#	SECUROS#	# OF HOLES	SIDE
062518	062518	6	Left
062519	062519	6	Right

### 3.5mm Broad Locking TPLO Plates

Shaft Width: 13.5mm

Thickness: 3.7mm



PART#	SECUROS#	# OF HOLES	SIDE
062879	062879	8	Left
062880	062880	8	Right

# Mini Plate System

## 2.0mm Locking Screw, Self-Tapping, Star Recess



Diameter of Thread 2.0mm

Diameter of Head: 3.0mm

Drill Bit for Threaded Hole: 1.3mm

For Use with T6 Stardrive Screwdriver

PART#	SECUROS#	LENGTH (MM)
042190	042190	6
042191	042191	8
042192	042192	10
042193	042193	12
042194	042194	14
042195	042195	16
042196	042196	18
042197	042197	20

## 2.4mm Locking Screw, Self-Tapping, Star Recess



Diameter of Thread 2.4mm

Diameter of Head: 3.0mm

Drill Bit for Threaded Hole: 1.7mm

For Use with T6 Stardrive Screwdriver

PART#	SECUROS#	LENGTH (MM)
042198	042198	6
042199	042199	8
042337	042337	10
042342	042342	12
042343	042343	14
042344	042344	16
042346	042346	18
042348	042348	20
042349	042349	22
042350	042350	24

## 2.0/2.4mm Locking Screw Rack



PART#	SECUROS#	DESCRIPTION
051701	051701	2.0/2.4mm PAX Screw Rack
051707	051707	2.0/2.4mm PAX Screw Tray Cover

*Implants are not included with tray.*

## 2.0/2.4mm Locking Instrument Tray



PART#	SECUROS#	DESCRIPTION
051706	051706	2.0/2.4mm PAX Instrument Tray
042386	042386	2.0/2.4mm PAX Full Tray Cover, Pack of 2
029529	029529	Screwdriver QC Handle
042387	042387	T6 Stardrive Screwdriver Shaft for 2.0/2.4mm PAX Screws
042389	042389	PAX Plate Holding Forceps
042390	042390	1.3mm QC Drill Bit for 2.0mm PAX Screws
042391	042391	1.7mm QC Drill Bit for 2.4mm PAX Screws
042392	042392	2.0/2.4mm PAX Depth Gauge
051986	051986	2.0 mm PAX Neutral/Load Drill Guide
051987	051987	2.4 mm PAX Neutral/Load Drill Guide
OPTIONAL INSTRUMENTS		
065978	065978	PAX RP Plate Bending Plier 2.0/2.4/2.7/3.5mm
042388	042388	2.0/2.4mm PAX Double Drill Guide
370112	370112	Articulated Tensioning Device (Special Order)

*Instruments are not included with tray.*



**2.0mm Cortical Screw, Self-Tapping, Hexagonal Recess****Diameter of Thread 2.0mm****Diameter of Head: 4.0mm****Drill Bit for Threaded Hole: 1.5mm****Drill Bit for Gliding Hoes: 2.0mm****For Use with 1.5/2.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (MM)
065385	065385	6
065386	065386	8
065387	065387	10
065388	065388	12
065390	065390	14
065391	065391	16
065392	065392	18
065393	065393	20

**2.4mm Cortical Screw, Self-Tapping, Hexagonal Recess****Diameter of Thread 2.4mm****Diameter of Head: 4.0mm****Drill Bit for Threaded Hole: 1.8mm****For Use with 2.4mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (MM)
042300	042300	6
042301	042301	8
031038	031038	10
031039	031039	12
031040	031040	14
031041	031041	16
031042	031042	18
031043	031043	20
031044	031044	22
031045	031045	24

*Longer Sizes Available***Instruments for 2.0/2.4mm Cortical Screws**

PART#	SECUROS#	DESCRIPTION
055058	055058	2.0mm Hex Screwdriver Shaft for 2.0mm Cortical Screws
042033	042033	Mini QC Handle
055102	055102	2.4mm Hex Screwdriver Shaft for 2.4mm Cortical Screws
029529	029529	Screwdriver QC Handle
029009	029009	1.5mm QC Drill Bit for 2.0mm Cortical Screws
036059	036059	1.8mm QC Drill Bit for 2.4mm Cortical Screws
029010	029010	2.0mm QC Drill Bit for 2.0mm Cortical Screws
042090	042090	2.4mm QC Drill Bit for 2.4mm Cortical Screws
029097	029097	2.0/2.4mm Depth Gauge for Cortical Screws
051987	051987	2.4 mm PAX Neutral/Load Drill Guide



\*Non-Self-Tapping screws are available. Contact Securos.

# Small Plate System

## 2.7mm PAX Locking Screw, Self-Tapping, Star Recess



Diameter of Thread 2.7mm

Diameter of Head: 5.0mm

Drill Bit for Threaded Hole: 2.0mm

For Use with T15 Stardrive Screwdriver

PART#	SECUROS#	LENGTH (MM)
042279	042279	8
042280	042280	10
042281	042281	12
042282	042282	14
042283	042283	16
042284	042284	18
042285	042285	20
042286	042286	22
042287	042287	24
042288	042288	26

PART#	SECUROS#	LENGTH (MM)
042289	042289	28
042290	042290	30
042291	042291	32
044644	044644	34
044645	044645	36
044646	044646	38
044647	044647	40
044648	044648	45
044649	044649	50

## 3.5mm PAX Locking Screw, Self-Tapping, Star Recess



Diameter of Thread 3.5mm

Diameter of Head: 5.0mm

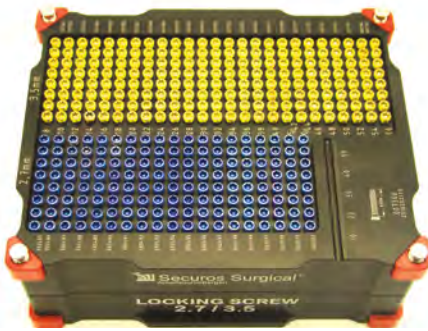
Drill Bit for Threaded Hole: 2.5mm

For Use with T15 Stardrive Screwdriver

PART#	SECUROS#	LENGTH (MM)
042356	042356	8
042357	042357	10
042359	042359	12
042361	042361	14
042364	042364	16
042366	042366	18
042368	042368	20
042369	042369	22
044659	044659	24
042100	042100	26
042105	042105	28
042106	042106	30
042107	042107	32

PART#	SECUROS#	LENGTH (MM)
042108	042108	34
042109	042109	36
042111	042111	38
042112	042112	40
042113	042113	42
042114	042114	44
042115	042115	46
042116	042116	48
042117	042117	50
042118	042118	52
042119	042119	54
042120	042120	56

## 2.7/3.5mm Locking Screw Rack



PART#	SECUROS#	DESCRIPTION
090011	090011	2.7/3.5mm PAX Screw Rack
051948	051948	2.7/3.5mm PAX Half Tray Cover

Implants not included with tray.

## 2.7/3.5mm Locking Instrument Tray



PART#	SECUROS#	DESCRIPTION
051702	051702	2.7/3.5mm PAX Instrument Tray
042352	042352	PAX Tray Cover, Pack of 2
029529	029529	Screwdriver QC Handle
042353	042353	T15 Stardrive Screwdriver Shaft, for 2.7 & 3.5mm PAX Screws
042389	042389	PAX Plate Holding Forceps
029010	029010	2.0mm QC Drill Bit for PAX 2.7mm Screws
029011	029011	2.5mm QC Drill Bit for PAX 3.5mm Screws
042355	042355	2.7/3.5mm PAX Depth Gauge
051988	051988	2.7mm PAX Neutral/Load Drill Guide
051989	051989	3.5mm PAX Neutral/Load Drill Guide
OPTIONAL INSTRUMENTS		
029528	029528	Screwdriver Large QC Handle (Pear-Shaped) for 2.7/3.5mm Screw Driver Shafts
065978	065978	PAX RP Plate Bending Pliers 2.0/2.4/2.7/3.5mm
042354	042354	2.7/3.5mm PAX Double Drill Guide
370112	370112	Articulated Tensioning Device (Special Order)

Instruments are not included with tray.

**2.7mm Cortical Screw, Self-Tapping, Hexagonal Recess****Diameter of Thread 2.7mm****Diameter of Head: 5.0mm****Drill Bit for Threaded Hole: 2.0mm****For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (MM)
031054	031054	10
031055	031055	12
031056	031056	14
031057	031057	16
031058	031058	18
031059	031059	20
031060	031060	22
031061	031061	24
031062	031062	26
031063	031063	28
042074	042074	30
042075	042075	32
042076	042076	34
042077	042077	36
042078	042078	38
042079	042079	40
048162	048162	45
048163	048163	50

**3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess****Diameter of Thread 3.5mm****Diameter of Head: 6.0mm****Drill Bit for Threaded Hole: 2.5mm****For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (MM)
065983	065983	8
042080	042080	10
031070	031070	12
031071	031071	14
031072	031072	16
031073	031073	18
031074	031074	20
031075	031075	22
031076	031076	24
031077	031077	26
031078	031078	28
031079	031079	30
042082	042082	32
042083	042083	34
042084	042084	36
042085	042085	38
042086	042086	40
042319	042319	42
042320	042320	44
044026	044026	46
044027	044027	48
055044	055044	50
048164	048164	52
048165	048165	54
044930	044930	56

**Instruments for 2.7/3.5mm Cortical Screws**

PART#	SECUROS#	DESCRIPTION
029525	029525	2.7/3.5mm Hexagonal Screwdriver Shaft
029529	029529	Screwdriver QC Handle
029010	029010	2.0mm QC Drill Bit for 2.7mm Cortical Screws
029011	029011	2.5mm QC Drill Bit for 3.5mm Cortical Screws
029012	029012	2.7mm QC Drill Bit for 2.7mm Cortical Screws
029014	029014	3.5mm QC Drill Bit for 3.5mm Cortical Screws
029098	029098	2.7/3.5mm Depth Gauge for Cortical Screws

\*Non-Self-Tapping screws are available. Contact Securos.

# PAX Polyaxial Locking TPLO Plate

## Features and Benefits

- Polyaxial locking titanium alloy plates and screws for supreme biocompatibility
- Proximocaudal curve to optimize plate alignment and screw purchase
- Crescent head to accommodate high tibial osteotomies
- Anatomic precontour generated from 100-plus canine patients
- 32-month research and development initiative
- Autoclavable organizer tray for plates and forceps

### PAX TPLO Plate Tray



PART#	SECUROS#	DESCRIPTION
062680	062680	PAX TPLO Tray 2.0/2.4/2.7/3.5/3.5mm Broad
062727	062727	PAX TPLO Tray Cover

*Implants and instruments are not included with tray.*

### PAX Instrument Full Tray



PART#	SECUROS#	DESCRIPTION
066073	066073	PAX Instrument Full Tray 2.0/2.4/2.7/3.5mm
066092	066092	PAX Instrument Full Tray Cover

*Instruments are not included with tray.*



Radiographs by Prof. Filippo Martini DVM



# Securos TPLO (Non-Locking) Plate System

- Anatomically precontoured stainless steel TPLO Plate, featuring ceramic blasted anti-glare finish
- Variety of low profile plate sizes to fit varying patient anatomy
- Ergonomic pneumatic TPLO Saw does not require specialized blade adapter
- Multiple TPLO blade sizes and style, available for surgeon preference

## Securos TPLO (Non-Locking) Suggested Kit:

042036 (1) TPLO Saw (Pneumatic)

042037 (1) TPLO Hose

042053 (1) 1/8" Hex Key

043932 (1) Castroviejo Caliper

056030 (1) TPLO Plate Benders  
(Set of 2)

029098 (1) Depth Gauge, 2.7/3.5/4.0mm

031195 (1) 2.0/2.7mm Double Drill Guide

030996 (1) 2.5/3.5mm Double Drill Guide

029524 (1) 2.7/3.5/4.0mm Hex  
Screwdriver, includes  
holding sleeve

042437 (1) TPLO Jig

029057 (1) 1/16x9" Trocar/Trocar  
Smooth Pin

031003 (1) 1/8x4.5" Trocar/Trocar  
Smooth Pin

029061 (1) 1/8x9" Trocar/Trocar  
Smooth Pin

036209 (1) 1/4" Side Pin Cutter  
w/ Detachable Handles, 18.5"

042096 (1) 5/64" Side Angled Pin  
Cutter, 7"

056009 (1) Screw Rack  
(2.0/2.7/3.5/4.0mm)/  
Storage Case 11x5.75"

### TPLO Plates, Stainless Steel

035925 (1) 2.7mm Left TPLO Plate

035932 (1) 2.7mm Right TPLO Plate

036063 (1) 2.7mm Left Broad TPLO Plate

036068 (1) 2.7mm Right Broad TPLO Plate

031022 (1) 3.5mm Left TPLO Plate

031021 (1) 3.5mm Right TPLO Plate

035250 (1) 3.5mm Left Broad TPLO Plate

035868 (1) 3.5mm Right Broad TPLO Plate

### Screws, Stainless Steel

(4 each) 2.7x14-40mm SS  
Hex Head Screw

(4 each) 3.5x14-45mm SS  
Hex Head Screw

### Drill Bits

028995 (1) 2.0mm Drill Bit,  
Jacobs Chuck Connect

028996 (1) 2.5mm Drill Bit,  
Jacobs Chuck Connect

### TPLO Saw Blades

049099 (1) TPLO Blade,  
One Piece, 12mm Radius

048944 (1) TPLO Blade,  
One Piece, 15mm Radius

045539 (1) TPLO Blade,  
One Piece, 18mm Radius

055121 (1) TPLO Blade,  
One Piece, 21mm Radius

042411 (1) TPLO Blade,  
One Piece, 24mm Radius

045563 (1) TPLO Blade,  
One Piece, 27mm Radius

056031 (1) TPLO Blade,  
One Piece, 30mm Radius





# Implants

## Securos TPLO (Non-Locking) Plates

### TPLO Plates (Anatomically Pre-Contoured) - Stainless Steel



PART#	SECUROS#	PRODUCT DESCRIPTION	# OF HOLES	THICKNESS (mm)
042403	003784	2.0mm Left	6	1.5
042402	003783	2.0mm Right	6	1.5
035925	003243	2.7mm Left	6	2.2
035932	003244	2.7mm Right	6	2.2
036063	003658	2.7mm Broad Left	6	2.2
036068	003657	2.7mm Broad Right	6	2.2
031022	001129	3.5mm Left	6	2.2
031021	001130	3.5mm Right	6	2.2
035250	000776	3.5mm Broad Left	8	2.2
035868	000775	3.5mm Broad Right	8	2.2

## 2.0mm Cortical Screws

### 2.0mm Cortical Screw, Self-Tapping, Cruciform Recess-Stainless Steel



**Diameter of Thread: 2.0mm**

**Diameter of Head: 3.5mm**

**Drill Bit for Threaded Hole: 1.5mm**

**For Use with 1.5/2.0mm Cruciform Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042132	100009	6
042133	100010	8
042134	100011	10
042140	100022	12
■ 370036	100048	13
042135	100012	14
042136	100013	16
042137	100014	18
042138	100016	20
044009	100017	22
042139	100018	24
055060	100019	26
044010	100020	28
049129	100021	30
045211	100023	32
045214	100024	34
049130	100025	36
■ 370037	100049	38
■ 370038	100050	40

### 2.0mm Cortical Screw, Self-Tapping, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 2.0mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.5mm**

**For Use with 2.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029135	001853	6
029136	001854	8
029137	001855	10
029138	001856	12
■ 370039	005123	13
029139	001857	14
029140	001858	16
029141	001859	18
029142	001860	20
029143	001861	22
029144	001862	24
029145	001863	26
029146	001864	28
029147	001865	30
029148	001866	32
■ 370040	005124	34
■ 370041	005125	36
■ 370042	005126	38
■ 370043	005127	40

■ special order item

\*Non-Self-Tapping screws are available. Contact Securos.

## 2.7mm Cortical Screws

### 2.7mm Cortical Screw, Self-Tapping, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 2.7mm**

**Diameter of Head: 5.0mm**

**Drill Bit for Threaded Hole: 2.0mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
031116	002540	6
029166	001878	8
029167	001879	10
029168	001880	12
029169	001881	14
029170	001882	16
029171	001883	18
029172	001630	20
029173	001631	22
029174	001632	24
029175	001633	26
029176	001634	28
029177	001635	30

PART#	SECUROS#	LENGTH (mm)
029178	001636	32
031117	002549	34
031152	002550	36
035974	003554	38
042294	002551	40
048237	004450	42
048238	004451	44
042295	002552	45
■ 370044	004453	48
042296	002553	50
■ 370045	005143	55

## 3.5mm Cortical Screws

### 3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 3.5mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.5mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029200	001885	10
029201	001886	12
029202	001887	14
029203	001888	16
029204	001889	18
029205	001890	20
029207	001891	22
029208	001892	24
029209	001893	26
029210	001894	28
029211	001895	30
029212	001896	32
029213	001897	34

PART#	SECUROS#	LENGTH (mm)
029214	001898	36
029215	001899	38
029216	002101	40
042451	004470	42
042452	004471	44
031119	002593	45
036060	004472	46
042453	004473	48
031120	002592	50
031121	002594	55
036197	002595	60
042382	006068	65

## 4.0mm Cancellous Screws

### 4.0mm Cancellous Screw, Fully Threaded, Hexagonal Recess-Stainless Steel



**Diameter of Thread: 4.0mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.0mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
048500	000443	14
■ 372046	000444	16
■ 372047	000445	18
048501	000446	20
■ 372048	000447	22
046112	000448	24
■ 372049	000449	26
■ 372172	000450	28
■ 372173	000451	30
042045	000452	32
■ 372050	000453	34
■ 372051	000454	36
■ 372052	000455	38
■ 372174	000456	40

PART#	SECUROS#	LENGTH (mm)
■ 372053	000413	42
■ 372054	000414	44
046113	000474	45
■ 372055	000440	48
■ 372056	000458	50
■ 372058	005171	65
■ 372059	005172	70

■ special order item

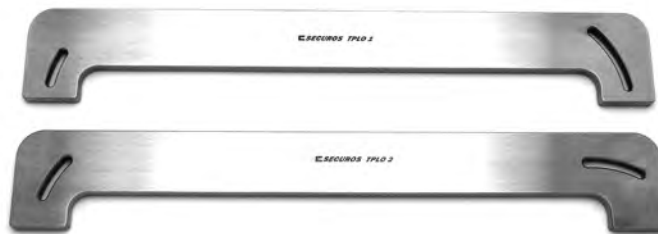
\*Non-Self-Tapping screws are available. Contact Securos.

# Instruments

## Bending Instruments



PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH	LENGTH (")
042253	002056	1.5/2.0mm Plate Bending Iron	2.0mm TPLO Plates	4.75



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
056030	001142	2.7/3.5mm TPLO Plate Bending Iron Set of 2	9



PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH	LENGTH (")
042314	002948	3.5/4.5mm Plate Bending Iron	2.7/3.5 mm TPLO Plates	9.75

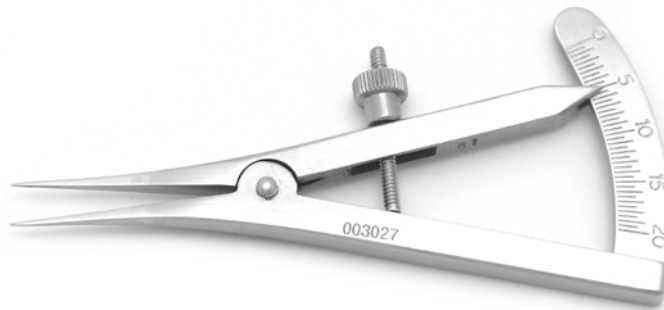
## Bending Instruments



PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH	LENGTH (")
045449	002063	2.4/2.7/3.5mm Medium Bending Pliers	2.7/3.5mm TPLO Plates	8.75



PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH	LENGTH (")
044054	002064	3.5/4.5mm Large Bending Pliers	2.7/3.5mm TPLO Plates	9.75



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
043932	003027	Castroviejo Caliper	3.5



## TPLO Jig and Pins

### TPLO Jig



PART#	SECUROS#	PRODUCT DESCRIPTION
042437	004356	TPLO Jig
042378	004601	Replacement Screw for TPLO Jig
■ 371497	002310	TPLO Jig Aluminum Adjustable

■ special order item

### TPLO Positioning Pins



Smooth



Partially Threaded

PART#	PRODUCT DESCRIPTION	SIZE	STYLE
031005	TPLO Positioning Pin	1/8 " x 4.5" / 0.125mm x 114mm	Partially Threaded
031003	TPLO Positioning Pin	1/8 " x 4.5" / 0.125mm x 114mm	Smooth
031011	TPLO Positioning Pin	5/64 " x 4.5" / 0.078mm x 114mm	Smooth

# Power Equipment

## TPLO Pneumatic Saws and Accessories

### TPLO Saw



000411



000835



000629

PART#	SECUROS#	PRODUCT DESCRIPTION
042036	000411	TPLO Saw
036067	000835	Replacement Screw for TPLO Saw
042053	000629	1/8" Hex Key



PART#	SECUROS#	PRODUCT DESCRIPTION
042037	000412	Hose for TPLO Saw (Schrader Connection)

## TPLO Pneumatic Saws and Accessories

### Slocum TPLO Saw



004423



004601

PART#	SECUROS#	PRODUCT DESCRIPTION
■ 372089	004423	Slocum TPLO Saw
042378	004601	Replacement Screw for Slocum TPLO Jig/Adaptor
■ 372090	004424	Hose for Slocum TPLO Saw (Schrader Connection)
052742	005096	Blade Adaptor for Slocum TPLO Saw

■ special order item



### Universal Adaptors



PART#	SECUROS#	PRODUCT DESCRIPTION
056026	000849	Oscillating Adaptor for TPLO Saw

## TPLO Blades

### Standard TPLO Blades



PART#	SECUROS#	RADIUS (mm)	THICKNESS (mm)
049099	004781	12	1.0
048944	005318	15	1.0
045539	003913	18	1.0
055121	005071	21	1.0
042411	003912	24	1.2
045563	004244	27	1.2
056031	003993	30	1.2
800056	800056	12	0.6
800057	800057	15	0.6
800058	800058	18	0.6
800059	800059	21	0.6
800060	800060	24	0.6
800061	800061	27	0.6
800062	800062	30	0.6

### Hub System TPLO Blades



PART#	SECUROS#	RADIUS (mm)	THICKNESS (mm)
056028	000408	18	1.0
035971	000409	24	1.0
056027	000410	30	1.0

## TPLO Blades

### Hub System Accessories



000406



000407



004171

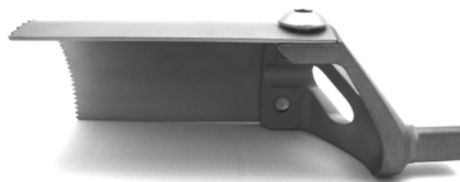


000629

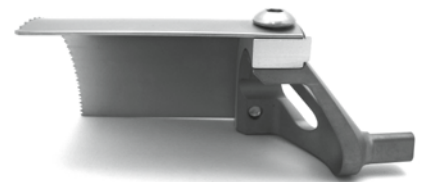
### Method of Assembly for Hub System



18mm Blade



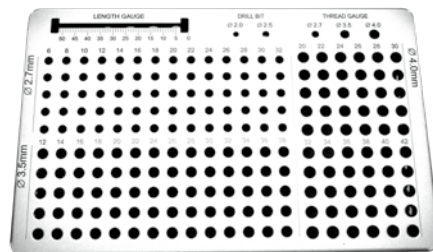
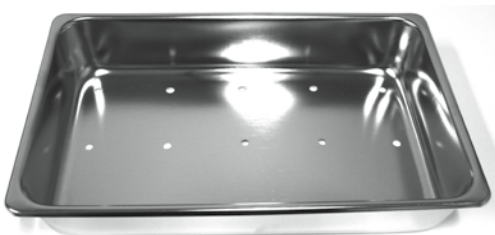
24mm Blade



30mm Blade with Adaptor

PART#	SECUROS#	PRODUCT DESCRIPTION
042035	000406	TPLO Blade Hub
036193	000407	TPLO 30mm Blade Adaptor
056008	004171	Screw for 18mm and 24mm TPLO Blades
052744	004905	Screw for 30mm TPLO Blades
042053	000629	1/8" Hex Key

## Sterilization Containers



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
031093	001005	Perforated Tray	12.25	7.75	2.25

#### ACCOMMODATES

Instruments

PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
045560	000881	Screw Rack for 2.7/3.5mm Cortical and 4.0mm Cancellous Screws	6.5	4.25	2.25

#### ACCOMMODATES

2.7mm Screws 5 ea.: 6mm-32mm (increments of 2mm), 3.5mm Screws 5 ea.: 12mm-38mm (increments of 2mm), 4.0mm Screws 5 ea.: 20mm-42mm (increments of 2mm)





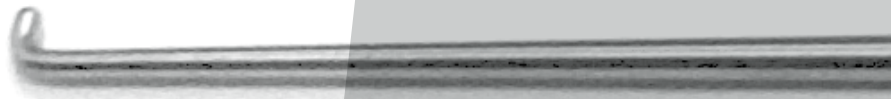
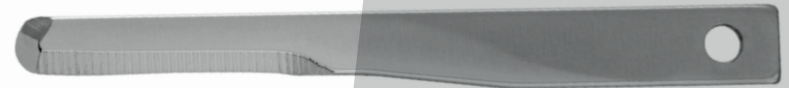
# Meniscal Management

Complete line of instruments for accurate assessment of the mensci including:

- Blade handles, blades, forceps and rongeurs
- SENN, gelpi, hohmann and stifle retractors
- Meniscal probes, hooks and knives

## Meniscal Management Suggested Kit:

- 031033 (1) Micro Beaver Blade Handle
- 031036 (1) Micro Beaver Blades size 6400
- 030963 (1) 8mm Hohmann Retractor, 8.5" long
- 042170 (1) Stifle Retactor with Speedlock 7"
- 035928 (1) Meniscus Probe 2.5mm
- 040399 (1) Halsted Mosquito Forceps, Straight, 1x2 Teeth, 5"



# Instruments

## Blade Handle and Blades



001310



001311



001312

PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
031033	001310	Micro Beaver Blade Handle	4
031036	001311	Micro Beaver Blade Size 6400, Box of 12	1.25
031138	001312	Micro Beaver Blade Size 6700, Box of 12	1.25

## Retractors

### SENN Retractor



PART#	SECUROS#	FEATURE	LENGTH (")
030961	815750	3 Prong, Sharp	6.25

### Gelpi Retractors



PART#	SECUROS#	LENGTH (")
035922	840178	3.5
036190	840179	4.5
055012	808920	5.5
039505	808940	7.5

# Retractors

## Hohmann Retractors



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
030962	840196	6	6.5
055014	813880	8	6.5



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
030963	813780	8	8.5
045558	840197	12	8
043804	840198	18	9



PART#	SECUROS#	FEATURE	WIDTH (mm)	LENGTH (")
045113	001307	90 Degree	10	8

# Retractors

## Stifle Retractors



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
048828	840188	Small Stifle Retractor	Speed Lock, Cross-Action Tips	5

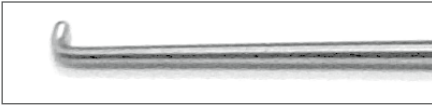


PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
042170	840190	Stifle Retractor	Speed Lock, Cross-Action Tips	7

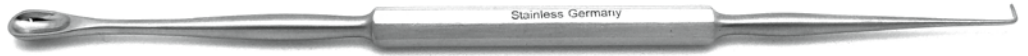


PART#	SECUROS#	WIDTH (mm)	LENGTH (")
030964	840189	Wallace Knee Retractor	5.5

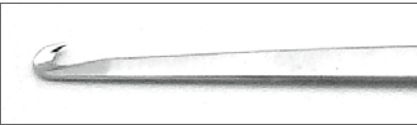
## Probes and Hooks



PART#	SECUROS#	PRODUCT DESCRIPTION	TIP WIDTH (mm)	LENGTH (")
035928	002481	Meniscus Probe	2.5	9



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
044046	003249	Gross Ear Hook	9

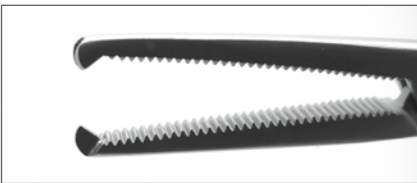


PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
045518	000714	Hook Knife 3mm	90 Degree Tip	9

## Forceps and Rongeurs



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
048832	840494	Hartmann Alligator Forceps	1x2 Teeth	3.5



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
048660	840863	Hartmann Mosquito Forceps	1x2 Teeth	3.5



## Forceps and Rongeurs



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
040399	840658	Halsted Mosquito Forceps	1x2 Teeth Straight	5



Hartmann Alligator



Caspar



PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
048418	840493	Hartmann Alligator Rongeur	2mm Cup	3.5
■ 370546	005507	Caspar Rongeur	2x10mm Bite, Straight	5

■ special order item

## Sterilization Containers



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
045520	001350	Perforated Tray	9	5	2

ACCOMMODATES

Instruments

# Patella Luxation Management

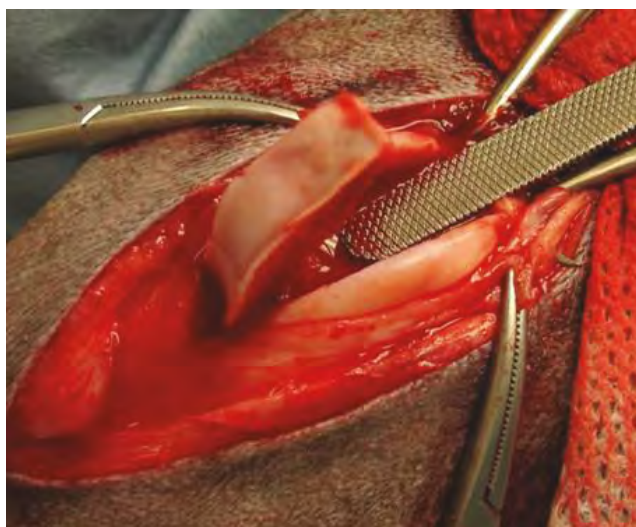
Complete line of instruments to accommodate surgery preference for Patellar Luxation Management including:

- PLX Patella Saw featuring an innovative locking design that eliminates the need for screws and wrench
- Universal K-Wire Bender featuring a unique design to accommodate 0.035", 0.045", 0.054" and 0.062" sizes for a 90° bend.
- Variety of hand and power rasps\* to deepen the trochlear groove and reshape wedge or block

## Patellar Luxation Management Suggested Kit:

030965	(1) PLX Patella Saw, comes with 25mm Blade
030972	(1) 15mm Patella Saw Blade
042248	(1) 4mm Lambotte Osteotome
045603	(1) 6mm Lambotte Osteotome
045076	(1) 8mm Lambotte Osteotome
048375	(1) Lucae Mallet 250g
036188	(1) Fomon Rasp and File, Double Ended 8.5"
046143	(1) Trochlear Groove Rasp
029089	(1) K-Wire, .035"x9", Pack of 6
029090	(1) K-Wire, .045"x9", Pack of 6
029091	(1) K-Wire, .054"x9", Pack of 6
029092	(1) K-Wire, .062"x9", Pack of 6
029080	(1) 22 Gauge Orthopedic Wire, 1oz spool
029079	(1) 20 Gauge Orthopedic Wire, 1oz spool
029078	(1) 18 Gauge Orthopedic Wire, 1oz spool
029077	(1) 16 Gauge Orthopedic Wire, 1oz spool
055140	(1) Universal K-Wire Bender

\*Ask about our MicroAire® Power Equipment



Radiographs provided by Veterinary Specialty Hospital - San Diego, CA

# Implants

## Pins and Wires

### 9" Kirschner Wire (K-wire) (Smooth, Trocar/Trocar, Pack of 6)



PART#	SECUROS#	DIAMETER (")	DIAMETER (mm)
029089	001277	0.035	0.9
029090	001278	0.045	1.19
029091	001279	0.054	1.40
029092	001280	0.062	1.58

### 9" Steinmann/Intramedullary Pins (Smooth, Trocar/Trocar, Singles)



PART#	SECUROS#	DIAMETER (")	DIAMETER (mm)
029057	001235	1/16	1.59
029058	001236	5/64	1.98
029059	001237	3/32	2.38
029060	001238	7/64	2.78
029061	001239	1/8	3.18

### Orthopedic Wire (1oz Spool, Autoclavable)



PART#	SECUROS#	DIAMETER	DIAMETER (mm)	LENGTH (M)
029080	001267	22 Gauge	0.64	9.1
029079	001266	20 Gauge	0.81	6
029078	001265	18 Gauge	1.02	3.9
029077	001264	16 Gauge	1.29	2.7

# Instruments

## Patellar Luxation Saw and Accessories



PART#	SECUROS#	PRODUCT DESCRIPTION	THICKNESS (mm)	LENGTH (")
030965	001009	PLX Saw (Includes 25mm Blade)	-	7
030972	001010	15mm Replacement Blade for PLX Saw	0.3	5
030973	001011	25mm Replacement Blade for PLX Saw	0.3	5

### The Patellar Luxation Saw Reinvented!

The PLX Saw is an innovative solution to the shortcomings of the traditional patella luxation saw used for deepening the trochlear wedge during patella luxation repair. The PLX saw features an ergonomic design that is fully autoclavable and easy to assemble, clean, and manipulate. Additional benefits include:

- Innovative locking design eliminates the need for screws and wrench
- Saw blade remains perfectly straight
- Blades available in 15mm and 25mm sizes
- Anodized Aluminum saw handle and Stainless Steel saw blades made in the USA

## Osteotomes

### Pedfne Lambotte Osteotomes - Straight



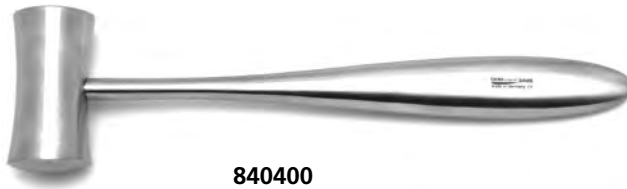
PART#	SECUROS#	WIDTH (mm)	LENGTH (")
042248	840254	4	5
045603	840255	6	5
045076	840257	8	5
045604	840259	10	5
045344	840260	12	5

### Hoke Osteotomes - Straight

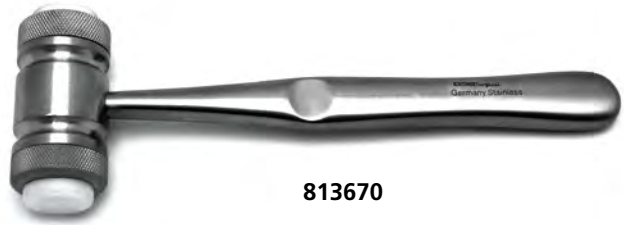


PART#	SECUROS#	WIDTH (mm)	LENGTH (")
045277	840247	4	5.5
045074	840248	6	5.5
045366	840684	8	5.5
045084	840685	10	5.5
048271	840926	12	5.5

## Mallets



**840400**



**813670**

PART#	SECUROS#	PRODUCT DESCRIPTION	HEAD DIAMETER (")	WEIGHT (g)	LENGTH (")
048375	840400	Lucae Mallet	1	250	7.75
042163	813670	Mead Mallet (Includes Replacement Plastic Facings)	1	320	7.5

## Rasps



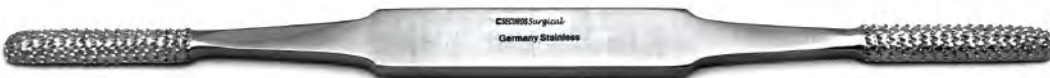
**840358**



**840355**



**840357**



**840352**



**840356**

PART#	SECUROS#	PRODUCT DESCRIPTION	WIDTH (mm)	LENGTH (")
046143	840358	Trochlear Groove Rasp	8	7
090032	840355	Lewis Rasp	8	7
090069	840357	Cottle Rasp	8	8.25
036188	840352	Fomon Rasp and File	8	8.5
045523	840356	Aufricht Rasp	8.5	8



# Rongeurs



840221



840222



840223



840224



840228

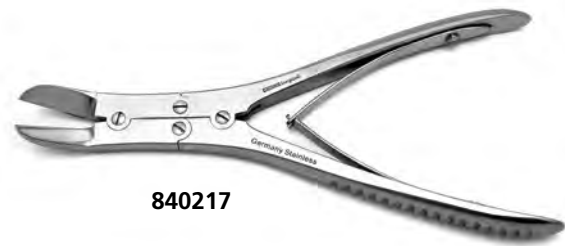
PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
044065	840221	Micro Friedman Rongeur	1.5x5mm Bite Curved	5.5
044055	840222	Lempert Rongeur	3x10mm Bite Straight	6.5
042162	810580	Lempert Rongeur	3x10mm Bite Curved	6.5
■ 370194	840223	Adson Rongeur	8x16mm Bite Straight	8
045273	840224	Dean Rongeur	3x11mm Bite Curved	5.75
044990	840227	Ruskin Rongeur	3x10mm Bite Curved	6
045073	840228	Ruskin Rongeur	4x15mm Bite Straight	7.25
045342	840229	Ruskin Rongeur	4x15mm Bite Curved	7.25

■ special order item

## Bone Cutting Forceps



840218



840217

PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
090023	840218	Liston Bone Cutting Forceps	Angled on Flat	5.5
045272	840219	Liston Bone Cutting Forceps	Angled on Flat	7.5
045341	840217	Ruskin-Liston Bone Cutting Forceps	Angled on Flat	7.5

## Hand Chucks



PART#	SECUROS#	PRODUCT DESCRIPTION	MAXIMUM PIN SIZE (")	LENGTH (")
029519	001480	Mini Dual Chuck Hand Chuck	5/32"	5.75



PART#	SECUROS#	PRODUCT DESCRIPTION	MAXIMUM PIN SIZE (")	LENGTH (")
029517	001479	Dual Chuck Hand Chuck	1/4"	6.5



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
047958	005015	Extension Handle Key for Dual Chuck Hand Chuck	5.5

## Wire Benders



PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH
055140	840929	Universal K-wire Bender	.035"/.015"/.054"/.062" K-wires



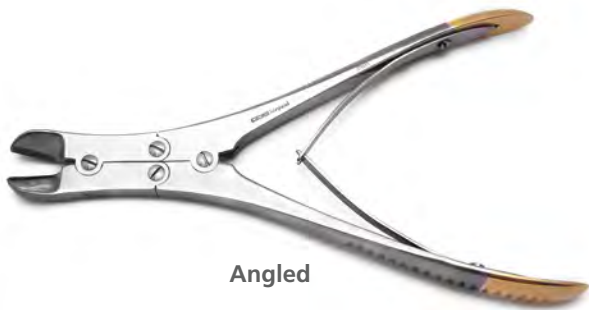
PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH PINS
390152	002062	Pin Bender, Double	5/64" (2.0 mm) to 1/8" (3.2 mm)

## Pin/Wire Cutters

### Side Pin/Wire Cutters



PART#	SECUROS#	FEATURE	MAXIMUM PIN SIZE ("	LENGTH ("
045293	840403	Single Action	5/64	5.75



Angled



Straight

PART#	SECUROS#	FEATURE	MAXIMUM PIN SIZE ("	LENGTH ("
042096	840406	Angled	5/64	7
045027	840404	Angled	3/32	8.75
035820	840405	Straight	5/64	9.25

## Pin/Wire Cutters



PART#	SECUROS#	FEATURE	MAXIMUM PIN SIZE (")	LENGTH (")
371471	048648	Side Pin Cutter TC "Hercules"	7/64	9.25

### Front Pin/Wire Cutters



PART#	SECUROS#	FEATURE	MAXIMUM PIN SIZE (")	LENGTH (")
048374	840927	Cannulated	0.062	7.5



PART#	SECUROS#	FEATURE	MAXIMUM PIN SIZE (")	LENGTH (")
■ 276424	003759	Front Pin Cutter	1/8" (3.2mm)	10

■ special order item

## Sterilization Containers



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
045220	001350	Perforated Tray	9	5	2

ACCOMMODATES

Instruments





# Hip



## Coxofemoral Luxation Management



Radiographs provided by Veterinary Specialty Hospital - San Diego, CA

Dislocation of the hip joint results in displacement of the femoral head from the acetabulum, creating a disruption of the joint capsule and other local structures. Surgical reduction can be used to replace the hip and restore support structure when closed reduction is not successful.

SECUROS offers a variety of implants and instrumentation to provide additional mechanical support to the hip joint during the healing phase. The SECUROS Coxofemoral Luxation Management (CLM) System was originally developed over a 2-year period with leading universities prior to production.

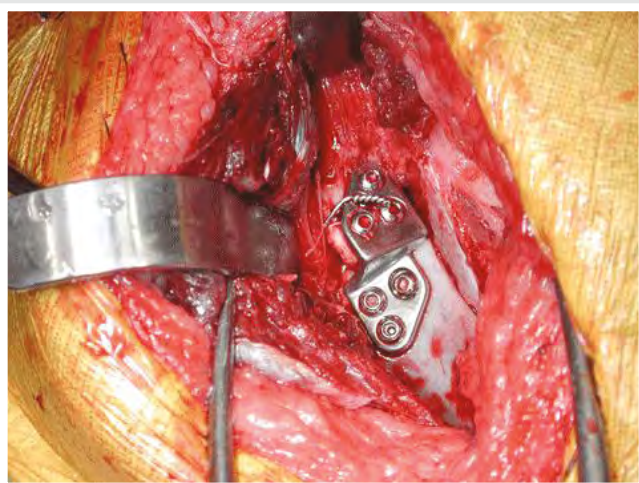
## Femoral Head Osteotomy

When restoration of the hip is not feasible due to injury or poor hip conformation, a Femoral Head Osteotomy (FHO) is one surgical option. FHOs require the removal of the femoral head and neck to produce a false joint. Proper patient selection is critical to the success of FHOs.

SECUROS features a comprehensive collection of instrumentation for FHOs including retractors, bone holding forceps, bone reduction forceps, osteotomes, mallets, bone cutting forceps, rasps, rongeurs, and power equipment.



## Pelvic Osteotomy

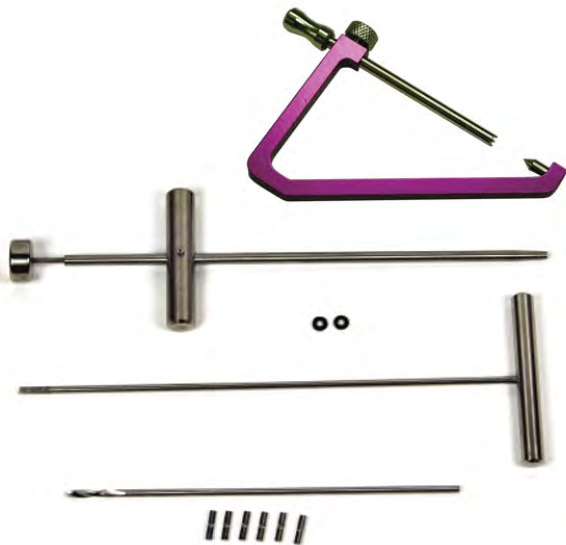


Canine Hip Dysplasia (CHD) typically results in hip joint instability or laxity. The long-term result to this joint laxity is progressive cartilage loss, scar tissue and/or osteophyte formation. Pelvic osteotomies are one surgical option for immature dogs with CHD. These procedures involve cutting the pelvis in two (DPO) or three (TPO) places and rotating the bone segments to increase the coverage of the femoral head by the acetabulum to decrease hip laxity.

SECUROS provides versatility to the surgeon by offering implants and instrumentation for both DPO and TPO procedures. Also available are PAX locking DPO and TPO plates in varying angles.

# Securos Surgical Coxofemoral Luxation Management System

- Excellent alternative to a FHO for luxated hips.
- Toggle rods (pins) are made of the implant grade stainless steel.
- Tested and shown to be mechanically unrivalled.
- Aiming guide simplifies aiming and drilling of the femoral neck tunnel from the lateral side of the proximal femur.
- Insertion Device is used to place the toggle rod behind medial wall of the acetabulum.
- Suture puller is used to pull suture through drilled hole in femoral neck.
- The CLM System can be purchased as a kit or by independent components.



## Coxofemoral Luxation Management Suggested Kit:

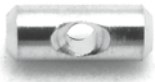
- 035930 (1) Femoral Head Aiming Guide
- 036053 (1) Toggle Rod (Pin) Insertion Device
- 035972 (1) Femoral Neck Suture Puller
- 042268 (1) "O" Rings for Insertion Device
- 042057 (1) Surgical Implant Toggle Rod, 3/32"
- 035246 (1) Surgical Implant Toggle Rod, 1/8"
- 028992 (1) Orthopedic 3.2mm BITE Drill Bit
- 045022 (1) 15x23mm Hatt Spoon



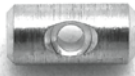
# Implants

## Toggle Rods

\*Modified Piermattei Toggle



000600



000650



001517



0002331



005490\*

PART#	SECUROS#	DIAMETER (")	LENGTH (")	RECOMMENDED FOR TOGGLE ROD	
				SUTURE	DRILL BIT (mm)
042048	000600	5/64	0.2	60# Monofilament Nylon	2.4
042057	000650	3/32	0.2	60# Monofilament Nylon	2.4
035246	001517	1/8	0.5	100# Monofilament Nylon	3.2
035924	002331	5/32	0.75	100# Monofilament Nylon	4.0
■ 372183	005489	0.045	0.4	#5 OrthoFiber	3.2
■ 372184	005490*	3/32	0.4	#5 OrthoFiber	4.5

■ special order item

## Suture

### Monofilament Nylon Suture Spools (100 Yard Length)



001198



001199



002073



001004



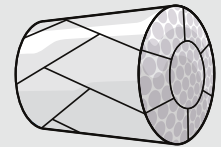
001106

PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED DRILL BIT (mm)
029042	001198	20#	0.022	2.4
029043	001199	40#	0.032	2.4
029045	002073	60#	0.036	3.2
029046	001004	80#	0.045	3.2
029047	001106	100#	0.055	4.0

### Single Strand OrthoFiber Braided Polyethylene (Non-absorbable) Suture (Box of 12, 36" Length, Sterile)



OrthoFiber is a braided sterile surgical suture prepared from ultra-high molecular weight, long-chain linear polyethylene (UHMWPE) fibers. Its unique, inter-locking core technology provides a sturdy core within the center of the suture to act as a backbone for enhanced handling characteristics. Additional benefits of OrthoFiber include:



- Improved strength and superior fixation characteristics over monofilament
- Superior abrasion resistance when compared to polyester
- Excellent biocompatibility as measured and tested according to ISO 10993
- Available in a variety of pre-sterile suture pack configurations

PART#	SECUROS#	PRODUCT DESCRIPTION	DIAMETER (")	RECOMMENDED DRILL BIT (mm)
031032	001104	#5 OrthoFiber Suture without Needles	0.027	2.4

# Instruments

## Instruments for Coxofemoral Luxation Management



PART#	SECUROS#	PRODUCT DESCRIPTION
035930	001513	Universal Aiming Device (Includes 3.2mm Drill Sleeve)*

\*Additional drill sleeves 2.4mm and 4.0mm are available



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
035972	001515	Monofilament Nylon Puller	8.5



PART#	SECUROS#	DIAMETER (")	LENGTH (")
036053	001514	Toggle Rod Insertion Device	9
042268	002327	O-Ring for Toggle Rod Insertion Device	-

## Femoral Ligament Cutters (Hatt Spoons)



PART#	SECUROS#	FEATURE	LENGTH (")
372093	840865	10x17mm Cup	9
045022	840375	15x23mm Cup	9
■ 372094	840866	20x34mm Cup	9

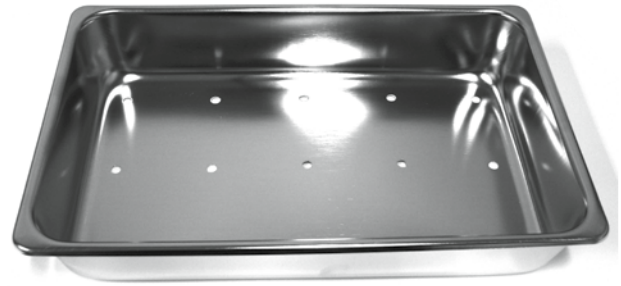
■ special order item

# Sterilization Containers

## Sterilization Trays



800065



001350

PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (mm)	WIDTH (mm)	HEIGHT (mm)
800065	800065	Crimp Clamp Tray	60	29	6
ACCOMMODATES					
Crimp Clamps, 3 Pack of Trays (etched 40#, 80#, 100#), can be used for toggle rods					

PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")	WIDTH (")	HEIGHT (")
045520	001350	Perforated Tray	9	5	2
ACCOMMODATES					
Instruments					

## Organizer Bags



PART#	SECUROS#	PRODUCT DESCRIPTION
031193	001512	Coxofemoral Luxation Organizer Bag
ACCOMMODATES		
Universal Aiming Device, Monofilament Nylon Puller, Toggle Rod Insertion Device, Drill Bits (2), Small Sterilization Tray (1)		



# Femoral Head Osteotomy

## Options for Femoral Head Osteotomies

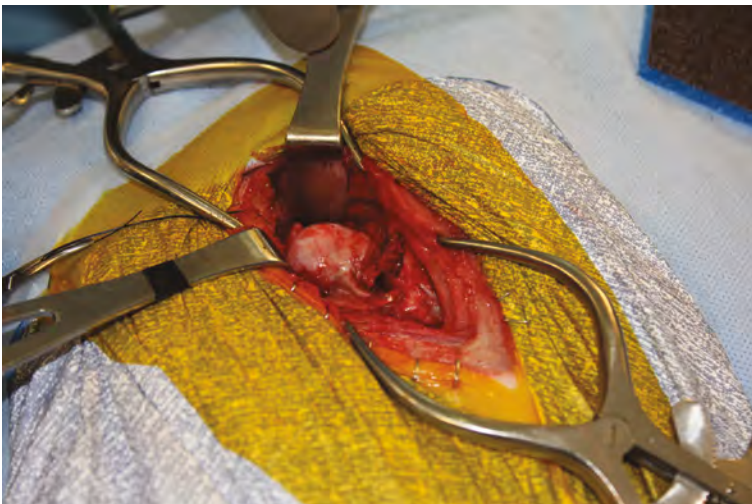
Complete line of instruments to accommodate surgeon preference for Femoral Head Osteotomy including:

- Various sizes of Hatt Spoons for femoral ligament removal
- Variety of osteotomes, bone cutting forceps and sagittal/oscillating power saw blades for proper osteotomies\*
- Mallets, rasps and bone holding forceps

### FHO Suggested Kit:

045022	(1) 15x23mm Hatt Spoon
045262	(1) Army Retractor, set of 2
045236	(1) Kern Forceps w/Ratchet, 8.5"
045366	(1) 8mm Hoke Osteotome
045084	(1) 10mm Hoke Osteotome
048375	(1) Lucae Mallet 7.5"
036188	(1) Fomon Rasp and File
042162	(1) Lempert Rongeur, 3x10mm Bite, Curved, 6.5"

\*Ask about our MicroAire® Power Equipment



# Instruments

## Femoral Ligament Cutters (Hatt Spoons)



PART#	SECUROS#	FEATURE	LENGTH (")
■ 372093	840865	10 x 17mm Cup	9
045022	840375	15 x 23mm Cup	9
■ 372094	840866	20 x 34mm Cup	9

## Retractors

### Meyering Retractor



PART#	SECUROS#	WIDTH (mm)	BLADE LENGTH (mm)	LENGTH (")
045266	840210	16	52	9
044989	840211	25	75	9
049062	840212	50	89	9

### Army Retractor (Set of 2)



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
045262	840193	16	8.5

### Hohmann Retractor



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
■ 372166	840949	25	10.5

■ special order item

# Bone Holding Forceps

## Kern Bone Clamps



PART#	SECUROS#	FEATURE	LENGTH (")
044998	840319	Ratchet	4.5
044999	840321	Ratchet	5.75
045236	816290	Ratchet	8.5
045285	840320	Ratchet	9.5
■ 279525	816411	Without Ratchet	5.75

## Clamshell Bone Reduction Forceps



PART#	SECUROS#	FEATURE	LENGTH (")
049184	840334	Ratchet	5.5
090028	840335	Ratchet	6
045346	840328	Speedlock	6
043916	840329	Speedlock	7
045020	840330	Speedlock	8
■ 370195	840331	Speedlock	9
049653	840332	Speedlock	10.25

■ special order item

## Osteotomes

### Pedifine Lambotte Osteotomes - Straight



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
042248	840254	4	5
045603	840255	6	5
045076	840257	8	5
045604	840259	10	5
045344	840260	12	5

### Hoke Osteotomes - Straight



PART#	SECUROS#	WIDTH (mm)	LENGTH (")
045277	840247	4	5.5
045074	840248	6	5.5
045366	840684	8	5.5
045084	840685	10	5.5
048271	840926	12	5.5

## Mallets



840400



813670

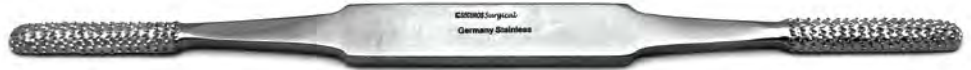
PART#	SECUROS#	PRODUCT DESCRIPTION	HEAD DIAMETER (")	WEIGHT (g)	LENGTH (")
048375	840400	Lucae Mallet	1	250	7.75
042163	813670	Mead Mallet (Includes Replacement Plastic Facings)	1	320	7.5

## Bone Cutting Forceps



PART#	SECUROS#	PRODUCT DESCRIPTION	TYPE	LENGTH (")
090023	840218	Liston Bone Cutting Forceps	Angled on Flat	5.5
045272	840219	Liston Bone Cutting Forceps	Angled on Flat	7.5
045341	840217	Ruskin-Liston Cutting Forceps	Angled on Flat	7.5

## Rasps



PART#	SECUROS#	PRODUCT DESCRIPTION	WIDTH (mm)	LENGTH (")
036188	840352	Fomon Rasp	8	8.5
046143	840358	Trochlear Groove Rasp	8	7
090032	840355	Lewis Rasp	8	7
090069	840357	Cottle Rasp	8	8
045523	840356	Aufricht Rasp	8.5	7
045347	840353	Putti Bone Rasp - Double Ended Flat Blades	18	10.75
049208	840354	Putti Bone Rasp - Double Ended Round and Flat Blades	10, 15	11.75



## Rongeurs



840221



840222



840223



840224



840228

PART#	SECUROS#	PRODUCT DESCRIPTION	FEATURE	LENGTH (")
044065	840221	Micro Friedman Rongeur	1.5x5mm Bite Curved	5.5
044055	840222	Lempert Rongeur	3x10mm Bite Straight	6.5
042162	810580	Lempert Rongeur	3x10mm Bite Curved	6.5
■ 370194	840223	Adson Rongeur	8x16mm Bite Straight	8
045273	840224	Dean Rongeur	3x11mm Bite Curved	5.75
044990	840227	Ruskin Rongeur	3x10mm Bite Curved	6
045073	840228	Ruskin Rongeur	4x15mm Bite Straight	7.25
045342	840229	Ruskin Rongeur	4x15mm Bite Curved	7.25

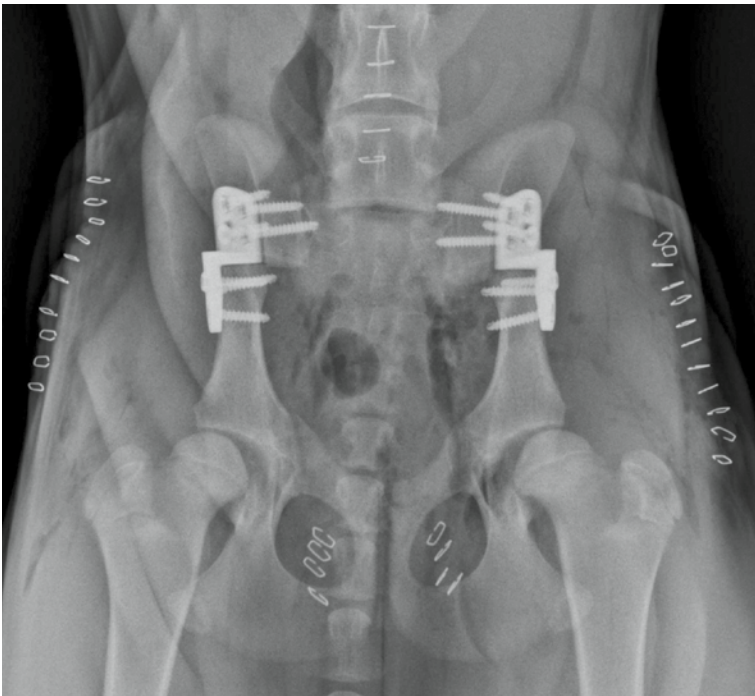
# Pelvic Osteotomy

## Options for Pelvic Osteotomies

- TPO plates available in 3.5mm PAX Locking\* (titanium) and non-locking (stainless steel) designs
- DPO plates available in 3.5mm PAX Locking (titanium) designs\*
- Sagittal/reciprocating saw blades for osteotomy cuts available with MicroAire® Power Equipment
- Complete instrument line to assist with TPO/DPO procedures

### Pelvic Osteotomy Suggested Kit:

- 029524 (1) Screwdriver for 2.7, 3.5 & 4.0mm Hex Screws, w/sleeve
- 029098 (1) Depth Gauge for 2.7-4.0mm screws
- 029018 (1) 3.5mm Compressional Drill Guide
- 030996 (1) 2.5/3.5mm Double Drill Guide
- 028996 (1) 2.5mm Drill Bit, Jacobs Chuck
- 090028 (1) Clamshell Bone Reduction Forcep, 6"
  - (4 each) 3.5x12-40mm SS Hex Head Screws
- 036185 (1) TPO Plate, 3.5mm, 30 degree Left
- 036186 (1) TPO Plate, 3.5mm, 30 degree Right



Radiograph provided by Matthew Barnhart, DVM, MS, DACVS, MedVet Ohio

\*See PAX Polyaxial Locking System in PAX Catalog

# Implants

## Triple Pelvic Osteotomy Plates

### 3.5mm Conventional TPO Plates - Stainless Steel (6 holes)



000360

000361

PART#	SECUROS#	DEGREE ROTATION	DIRECTION
044670	000360	20	Left
045546	000361	20	Right
036185	000358	30	Left
036186	000359	30	Right
055052	004009	40	Left
045182	004010	40	Right

## 3.5mm Cortical Screws

### 3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess - Stainless Steel



**Diameter of Thread: 3.5mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.5mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029200	001885	10
029201	001886	12
029202	001887	14
029203	001888	16
029204	001889	18
029205	001890	20
029207	001891	22
029208	001892	24
029209	001893	26
029210	001894	28
029211	001895	30
029212	001896	32
029213	001897	34
029214	001898	36
029215	001899	38
029216	002101	40

\*Please see PAX brochure for locking options.

\*Non-Self-Tapping screws are available. Contact Securos.

# Carpus and Tarsus



# Arthrodesis

Arthrodesis is a term used to describe the artificial ossification of two (or more) adjacent bones by surgery. This is done in response to pain that cannot be effectively managed by medication or normally indicated treatments. By fusing the bones that make up the joint, the pain caused by the condition can be reduced or eliminated; and allow the patient sustain the function of the leg. Severe osteoarthritis, joint instability and certain fractures can lead to arthrodesis as a salvage procedure.

Carpal and hock joints are the two most commonly arthrodesed joints in veterinary medicine. Shoulders, stifle, elbow and digits can also be arthrodesed when indicated. Securos makes arthrodesis plates for carpal and pantarsal (hock) joints.



\* Radiographs provided by Veterinary Specialty Hospital, San Diego , CA

## Arthrodesis Suggested Kit:

- 030971 (1) Double Drill Guide 1.1/1.5mm
- 030970 (1) Double Drill Guide 1.5/2.0mm
- 031195 (1) 2.0/2.7mm Double Drill Guide
- 030996 (1) 2.5/3.5mm Double Drill Guide
- 042238 (1) 2.7mm Compressional Drill Guide
- 029018 (1) 3.5mm Compressional Drill Guide
- 029097 (1) Depth Gauge 1.5/2.0mm
- 029098 (1) Depth Gauge for 2.7-4.0mm screws
- 042253 (2) Bending Iron 1.5/2.0mm
- 029100 (1) Left Bending Iron (2.4/2.7/3.5mm Plates)
- 029101 (1) Right Bending Iron (2.4/2.7/3.5mm Plates)
- 042292 (1) Screwdriver w/ Holding Sleeve, 1.5/2.0/2.4mm Hex
- 029524 (1) Screwdriver for 2.7, 3.5 & 4.0mm Hex Screws, w/sleeve
- 035878 (2) Bone Reduction Forcep, 5.5" Ratchet Style
- 045001 (1) Bone Reduction Forcep, 8" Ratchet Style
- 049947 (1) Verbrugge Bone Holding Forceps, 6", Curved/Speedlock
- 056017 (1) Small Red Fragment Case
- 045549 (1) Mini Screw Rack, for 1.5 and 2.0mm screws
- 056009 (1) Screw Tray 2.0/2.7/3.5mm (with own case)
- 028993 (1) 1.1mm Drill Bit Jacobs Chuck
- 028994 (1) 1.5mm Drill Bit Jacobs Chuck
- 028995 (1) 2.0mm Drill Bit Jacobs Chuck
- 028996 (1) 2.5mm Drill Bit, Jacobs Chuck
- 028997 (1) 2.7mm Drill Bit, Jacobs Chuck
- 029005 (1) 3.5mm Drill Bit, Jacobs Chuck
- (4 each) 1.5x6-20mm SS Hex Screw
- (4 each) 2.0x6-20mm SS Hex Screw
- (4 each) 2.7x10-40mm SS Hex Head Screw
- (4 each) 3.5x10-40mm SS Hex Head Screw
- 042225 (1) 1.5/2.0mm Pancarpal Arthrodesis Plate, Compressional, 9 hole
- 042226 (1) 2.0/2.7mm Pancarpal Arthrodesis Plate, Compressional, 9 hole
- 029117 (1) 2.7/3.5mm Pancarpal Arthrodesis Plate, Compressional, 9 hole
- 044618 (1) 2.0/1.5mm Pantarsal Arthrodesis Plate, L medial, R lateral, 9 hole
- 055046 (1) 2.0/1.5mm Pantarsal Arthrodesis Plate, R medial, L lateral, 9 hole
- 044619 (1) 2.7/2.0mm Pantarsal Arthrodesis Plate, L medial, R lateral, 9 hole
- 044620 (1) 2.7/2.0mm Pantarsal Arthrodesis Plate, R medial, L lateral, 9 hole
- 044621 (1) 3.5/2.7mm Pantarsal Arthrodesis Plate, L medial, R lateral, 9 hole
- 042051 (1) 3.5/2.7mm Pantarsal Arthrodesis Plate, R medial, L lateral, 9 hole



# Implants

## Pancarpal Arthrodesis Plates - Stainless Steel



**Round**



**Compression**

PART#	SECUROS#	DISTAL/PROXIMAL HOLE SIZE (mm)	# OF HOLES	LENGTH (mm)	HOLE TYPE
042225	001824	1.5/2.0	9	53	Compression
029111	001825	2.0/2.0	9	57	Compression
029112	001826	2.0/2.7	9	75.5	Round
042226	001827	2.0/2.7	9	75.5	Compression
029116	001830	2.7/3.5	9	102	Round
029117	001831	2.7/3.5	9	102	Compression
046125	001828	2.7/3.5 - Long	9	119	Round
042227	001829	2.7/3.5 - Long	9	119	Compression
048537	001833	3.5/3.5	10	140	Round
029120	001834	3.5/3.5	10	140	Compression
046126	001832	3.5/3.5 - Long	11	152	Compression

## Pantarsal Arthrodesis Plates - Stainless Steel



003528



003527

PART#	SECUROS#	PROXIMAL/DISTAL HOLE SIZE (mm)	APPLICATION	# OF HOLES	OVERALL SPAN (mm)	ANGLE
044618	003528	2.0/1.5	Left Medial/Right Lateral	9	74.5	120°
055046	003527	2.0/1.5	Right Medial/Left Lateral	9	74.5	120°
044619	000601	2.7/2.0	Left Medial/Right Lateral	9	106	137°
044620	000602	2.7/2.0	Right Medial/Left Lateral	9	106	137°
044621	000603	3.5/2.7	Left Medial/Right Lateral	9	146	136°
042051	000604	3.5/2.7	Right Medial/Left Lateral	9	146	136°

## 1.5mm Cortical Screws

### 1.5mm Cortical Screw, Self-Tapping, Cruciform Recess - Stainless Steel



**Diameter of Thread: 1.5mm**

**Diameter of Head: 3.0mm**

**Drill Bit for Threaded Hole: 1.1mm**

**For Use with 1.5/2.0mm Cruciform Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042141	100026	6
042125	100000	7
042126	100001	8
042127	100002	9
042128	100003	10
042142	100027	11
042129	100004	12
049131	100028	13
042130	100005	14
042131	100006	16
044000	100007	18
044001	100008	20

### 1.5mm Cortical Screw, Self-Tapping, Hexagonal Recess - Stainless Steel



**Diameter of Thread: 1.5mm**

**Diameter of Head: 3.0mm**

**Drill Bit for Threaded Hole: 1.1mm**

**For Use with 1.5/2.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029121	001835	6
029122	001836	7
029123	001837	8
029124	001839	9
029125	001840	10
031110	002529	11
029126	001841	12
031111	002530	13
029127	001842	14
029128	001843	16
031112	001844	18
031113	001845	20

## 2.0mm Cortical Screws

### 2.0mm Cortical Screw, Self-Tapping, Cruciform Recess - Stainless Steel



**Diameter of Thread: 2.0mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.5mm**

**For Use with 1.5/2.0mm Cruciform Screwdriver**

PART#	SECUROS#	LENGTH (mm)
042132	100009	6
042133	100010	8
042134	100011	10
042140	100022	12
■ 370036	100048	13
042135	100012	14
042136	100013	16
042137	100014	18
042138	100016	20

■ special order item

\*Non-Self-Tapping screws are available. Contact Securos.

## 2.0mm Cortical Screws

### 2.0mm Cortical Screw, Self-Tapping, Hexagonal Recess - Stainless Steel



**Diameter of Thread: 2.0mm**

**Diameter of Head: 4.0mm**

**Drill Bit for Threaded Hole: 1.5mm**

**For Use with 1.5/2.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029135	001853	6
029136	001854	8
029137	001855	10
029138	001856	12
■ 370039	005123	13
029139	001857	14
029140	001858	16
029141	001859	18
029142	001860	20

## 2.7mm Cortical Screws

### 2.7mm Cortical Screw, Self-Tapping, Hexagonal Recess - Stainless Steel



**Diameter of Thread: 2.7mm**

**Diameter of Head: 5.0mm**

**Drill Bit for Threaded Hole: 2.0mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
031116	002540	6
029166	001878	8
029167	001879	10
029168	001880	12
029169	001881	14
029170	001882	16
029171	001883	18
029172	001630	20
029173	001631	22
029174	001632	24

PART#	SECUROS#	LENGTH (mm)
029175	001633	26
029176	001634	28
029177	001635	30
029178	001636	32
031117	002549	34
031152	002550	36
035974	003554	38
042294	002551	40

## 3.5mm Cortical Screws

### 3.5mm Cortical Screw, Self-Tapping, Hexagonal Recess - Stainless Steel



**Diameter of Thread: 3.5mm**

**Diameter of Head: 6.0mm**

**Drill Bit for Threaded Hole: 2.5mm**

**For Use with 2.7/3.5/4.0mm Hexagonal Screwdriver**

PART#	SECUROS#	LENGTH (mm)
029200	001885	10
029201	001886	12
029202	001887	14
029203	001888	16
029204	001889	18
029205	001890	20
029207	001891	22
029208	001892	24

PART#	SECUROS#	LENGTH (mm)
029209	001893	26
029210	001894	28
029211	001895	30
029212	001896	32
029213	001897	34
029214	001898	36
029215	001899	38
029216	002101	40

■ special order item

\*Non-Self-Tapping screws are available. Contact Securos.

# Instrumentation

- Premium quality German Made stainless steel instrumentation
- Lifetime warranty for manufacturer's defects and workmanship
- Lifetime sharpening and servicing\* for Securos brand instrumentation
- Customized instrumentation surgical pack options available
- Instrumentation available for Orthopedic, General, Dental, and Ophthalmic
- Select Left-Handed Instrumentation available

## Suggested Instrumentation Kit Includes:

- 029517 (1) Dual Chuck Hand Chuck
- 030961 (2) Senn Retractor 6.25"
- 036188 (1) Fomon Rasp & File 8.5", Four Working Surfaces
- 042163 (1) Mead Mallet 7", 320 Grams
- 042165 (1) Freer Periosteal Elevator 7.75"
- 043936 (1) Volkman Curette Double Ended 6"
- 044987 (1) Weitlaner Retractor 5.5"
- 044999 (1) Kern Forceps 5.75"
- 045002 (1) Gigli Wire 12"
- 045286 (1) Gigli Saw Handle (Set of 2)
- 045076 (1) Lambotte Osteotome 5", Straight
- 045081 (1) Wire Twister 6.5", Hole in Tip
- 045236 (1) Kern Bone Holding Forceps 8.5"
- 045273 (1) Dean Rongeur 5.75"
- 048374 (1) Cannulated Pin Cutter 7.5"
- 056004 (1) Roger Wire Cutting Scissors 4.75", Serrated
- 029068 (2) 1/16" x 9" IM Double Trocar Partially Threaded Pins
- 029069 (2) 5/64" x 9" IM Double Trocar Partially Threaded Pins
- 029070 (2) 3/32" x 9" IM Double Trocar Partially Threaded Pins
- 029071 (2) 7/64" x 9" IM Double Trocar Partially Threaded Pins
- 029073 (2) 9/64" x 9" IM Double Trocar Partially Threaded Pins
- 029074 (2) 5/32" x 9" IM Double Trocar Partially Threaded Pins
- 029079 (1) Orthopedic Wire 20 gauge, Spool 1oz
- 029080 (1) Orthopedic Wire 22 gauge, Spool 1oz
- 029089 (1) .035" x 9" Double Trocar K-Wire, Pack of 6
- 029090 (1) .045" x 9" Double Trocar K-Wire, Pack of 6
- 029522 (1) IM Pin Bag, Autoclavable Organizer 12 Slots

033448 Orthopedic Instrument Pack



\*Replacement inserts are not included and charged a nominal fee for parts.



## Drill Bits

### Jacobs Chuck Coupling (BITE Bit, Titanium Nitride Coated)



PART#	SECUROS#	DIAMETER (mm)	TOTAL LENGTH (mm)	FLUTE LENGTH (mm)	RECOMMENDED SCREWS (mm)	
					THREADED HOLE	GLIDING HOLE
028993	002034	1.1	45	22	1.5	-
028994	002035	1.5	70	23	2.0	1.5
031139	001017	1.8	131	26	2.4	-
028995	002036	2.0	85	50	2.7/4.0	2.0
031129	001358	2.4	143	32	-	2.4
028996	002037	2.5	95	50	3.5	-
028997	002038	2.7	85	50	-	2.7
028998	002039	3.2	130	40	4.5/6.5	-
029005	002040	3.5	100	43	-	3.5
029006	002041	4.0	130	50	-	4.0
042251	002042	4.5	130	50	-	4.5/6.5

### Quick Coupling (BITE Bit, Titanium Nitride Coated)



PART#	SECUROS#	DIAMETER (mm)	TOTAL LENGTH (mm)	FLUTE LENGTH (mm)	RECOMMENDED SCREWS (mm)	
					THREADED HOLE	GLIDING HOLE
029008	002043	1.1	60	15	1.5	-
029009	002044	1.5	85	18	2.0	1.5
036059	000395	1.8	140	32	2.4	-
029010	001018	2.0	100	22	2.7/4.0	2.0
042090	001361	2.4	140	32	-	2.4
029011	001019	2.5	110	32	3.5	-
029012	002045	2.7	100	29	-	2.7
042252	002046	3.2	145	43	4.5/6.5	-
029014	002047	3.5	100	43	-	3.5
042034	000366	4.0	160	50	-	4.0
029015	002048	4.5	145	50	-	4.5/6.5
048102	000367	5.5	195	50	-	5.5

## Drill Guides & Sleeves

### Double Drill Guides



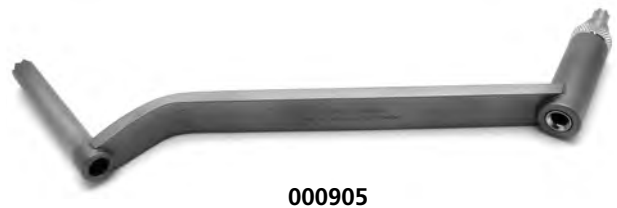
PART#	SECUROS#	PRODUCT DESCRIPTION
030971	002066	1.1/1.5mm Double Drill Guide
030970	002067	1.5/2.0mm Double Drill Guide
055050	003824	1.8/2.4mm Double Drill Guide
031195	001022	2.0/2.7mm Double Drill Guide
030996	001023	2.5/3.5mm Double Drill Guide
031201	002278	3.2/4.5mm Double Drill Guide

### Compressional Drill Guides



PART#	SECUROS#	PRODUCT DESCRIPTION
029016	001902	2.0mm Compressional Drill Guide
042238	001903	2.7mm Compressional Drill Guide
029018	001904	3.5mm Compressional Drill Guide
048538	001905	4.5mm Compressional Drill Guide
048376	004095	3.5mm LC Compressional Drill Guide

### Universal Drill Guides



PART#	SECUROS#	PRODUCT DESCRIPTION
042267	002279	3.5mm Universal Drill Guide
055086	000905	5.5mm Universal Drill Guide

## Drill Guides & Sleeves

### Drill Sleeves



PART#	SECUROS#	PRODUCT DESCRIPTION
045109	001901	2.5/3.5mm Insert Drill Sleeve
045099	000904	4.0/5.5mm Insert Drill Sleeve

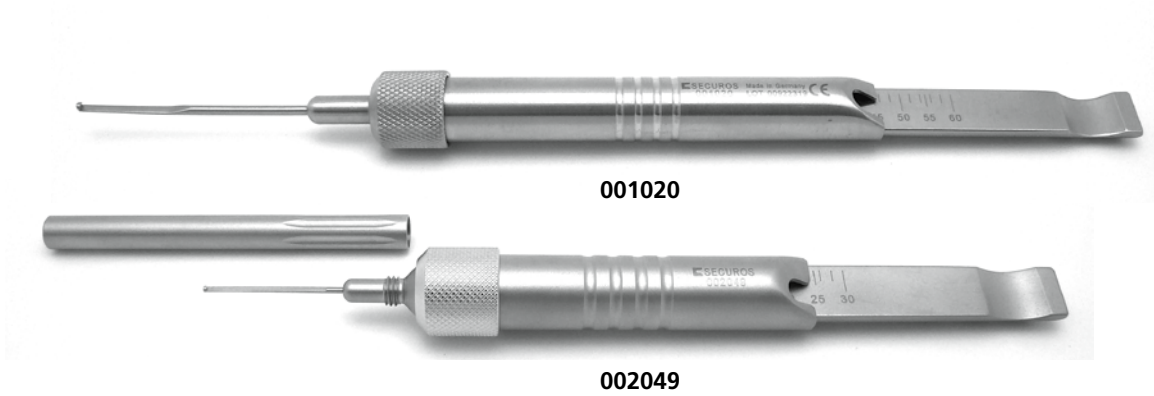


PART#	SECUROS#	PRODUCT DESCRIPTION
045392	000368	5.5mm Tap Sleeve



PART#	SECUROS#	PRODUCT DESCRIPTION
■ 372175	001900	2.0mm Parallel Drill Guide & Drill Sleeve

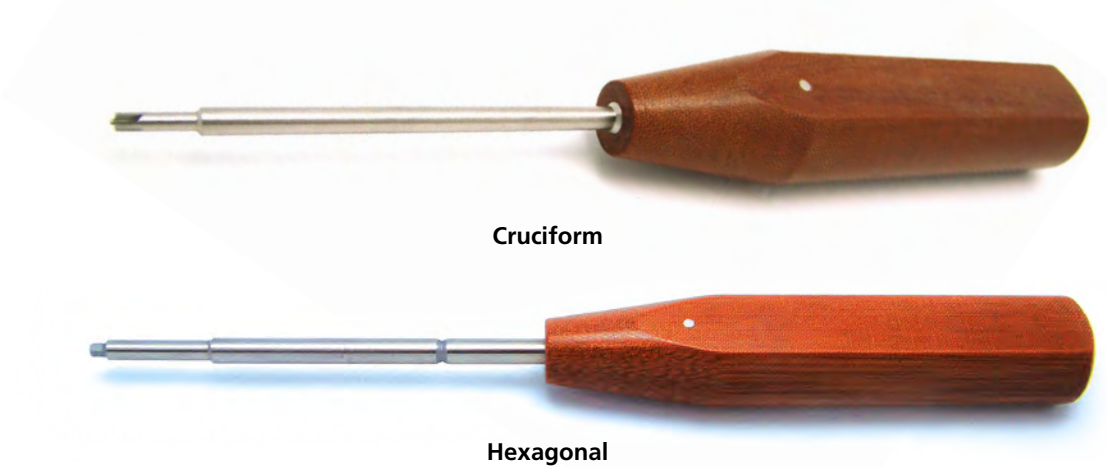
## Depth Gauges



PART#	SECUROS#	PRODUCT DESCRIPTION	MEASURES UP TO (mm)	MEASUREMENT INCREMENTS (mm)
029097	002049	1.5/2.0/2.4mm Depth Gauge	40	2 & 5
029098	001020	2.7/3.5/4.0mm Depth Gauge	60	2 & 5
090001	005329	2.7/3.5/4.0mm Depth Gauge	60	1
029099	002050	4.5/5.5/6.5mm Depth Gauge	110	2 & 5

## Screwdrivers, Handles, & Shafts

### Screwdrivers (Includes holding sleeve)



PART#	SECUROS#	PRODUCT DESCRIPTION	LENGTH (")
042292	002504	1.5/2.0mm Hexagonal Screwdriver	6.75
042073	001026	1.5/2.0/2.4mm Cruciform Screwdriver	7
035880	003237	2.4mm Hexagonal Screwdriver	7
029524	001024	2.7/3.5/4.0mm Hexagonal Screwdriver	7.75
029526	001920	4.5/5.5/6.5mm Hexagonal Screwdriver	9.5

## Screwdrivers, Handles, & Shafts

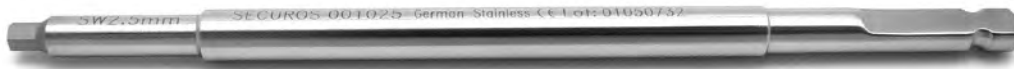
### Screwdriver Shafts (Quick Coupling, Includes Holding Sleeve)



004660



003827



001025

PART#	SECUROS#	PRODUCT DESCRIPTION	FOR USE WITH	LENGTH (")
055058	004660	1.5/2.0mm Hexagonal Screwdriver Shaft	Mini QC Handle	2
056007	003827	1.5/2.0/2.4mm Cruciform Screwdriver Shaft	Mini QC Handle	2
055102	003904	2.4mm Hexagonal Screwdriver Shaft	Small, Large, Silicone QC Handles	4
029525	001025	2.7/3.5/4.0mm Hexagonal Screwdriver Shaft	Small, Large, Silicone QC Handles	4
029527	001921	4.5/5.5/6.5mm Hexagonal Screwdriver Shaft*	Small, Large, Silicone QC Handles	4

\*No sleeve included

### Screwdriver Handles (Quick Coupling)



PART#	SECUROS#	PRODUCT DESCRIPTION	ACCOMMODATES	LENGTH (")
042033	000123	Mini Handle	1.5/2.0mm Hexagonal & 1.5/2.0/2.4mm Cruciform Screwdriver Shafts	4.25



PART#	SECUROS#	PRODUCT DESCRIPTION	ACCOMMODATES	LENGTH (")
029529	007003	Small Handle	2.7/3.5/4.0mm & 4.5/5.5/6.5mm Hexagonal Screwdriver Shafts	4.5



PART#	SECUROS#	PRODUCT DESCRIPTION	ACCOMMODATES	LENGTH (")
029528	001916	Large Handle	2.7/3.5/4.0mm & 4.5/5.5/6.5mm Hexagonal Screwdriver Shafts	6



## Screwdrivers, Handles, & Shafts

### Screwdriver Handles (Quick Coupling)



PART#	SECUROS#	PRODUCT DESCRIPTION	ACCOMMODATES	LENGTH (")
029530	001918	T-Handle	2.7mm - 6.5mm Taps	3.25



PART#	SECUROS#	PRODUCT DESCRIPTION	ACCOMMODATES	LENGTH (")
052748	007180	Silicone Handle	2.7/3.5/4.0mm & 4.5/5.5/6.5mm Hexagonal Screwdriver Shafts	5.5

### Screwdriver Holding Sleeves



005502



002190



005505

PART#	SECUROS#	PRODUCT DESCRIPTION
052741	005502	1.5/2.0mm Standard Hexagonal Screwdriver Holding Sleeve
043904	002190	2.7/3.5/4.0mm Standard Hexagonal Screwdriver Holding Sleeve
055170	005505	4.5/5.5/6.5mm Spring Loaded Hexagonal Screwdriver Holding sleeve*

\*Only fits full screwdriver #029526

## Screw Extraction



### Set

PART#	SECUROS#	PRODUCT DESCRIPTION
■ 370115	000829	Screw Extraction Set (SOS Set)

### Instruments

PART#	SECUROS#	PRODUCT DESCRIPTION
■ 370116	004491	Large Forceps for Broken Screw Removal
390153	004492	Hollow Gouge 4mm
390154	004493	Hollow Gouge 6mm
390155	004494	Hollow Gouge 10mm
■ 370117	004495	6" QC T-Handle

### Extraction Bolts

PART#	SECUROS#	PRODUCT DESCRIPTION
390156	003899	Extraction Bolt for 1.5mm Screws
048315	003900	Extraction Bolt for 2.0mm Screws
390157	003901	Extraction Bolt for 2.7/3.0mm Screws
390158	003902	Extraction Bolt for 3.5/4.0mm Screws
045165	003548	Extraction Bolt for 4.5/5.0mm Screws
■ 370118	004489	Extraction Bolt for 6.5/7.0mm Screws

### Reamers

PART#	SECUROS#	PRODUCT DESCRIPTION
390159	004467	Hollow Reamer for 2.7mm Screws
390160	004468	Hollow Reamer for 3.5/4.0mm Screws
■ 370119	004469	Hollow Reamer for 4.5mm Screws
■ 370510	004478	Hollow Reamer for 6.5mm/7.0mm Screws

### Spare Reamer Tubes

PART#	SECUROS#	PRODUCT DESCRIPTION
390161	004485	2.7mm Spare Reamer Tube
390162	004486	3.5/4.0mm Spare Reamer Tube
■ 370513	004487	4.5mm Spare Reamer Tube
■ 370514	004488	6.5/7.0mm Spare Reamer Tube

### Conical Extraction Screws

PART#	SECUROS#	PRODUCT DESCRIPTION
390163	003549	Conical Extraction Screws for 2.7mm & 3.5mm Screws
048255	003561	Conical Extraction Screws for Large Screws and 4.9mm Bolts



Extractors and Handle



Reamers and Centering Pins

■ special order item

# Biomaterials

## Bioactive Synthetic Bone Graft

### Benefits

- Osteostimulative – active stimulation of osteoblast activity
  - Accelerates the natural healing process so that bone regeneration is fast and reliable
- Produces a thick bonding gel layer, minimizing stress between implant and tissue
- Accelerated bone growth 3X more than HA
- Acts as a basic buffer to neutralize pH in surrounding tissues

### Composition

- 100% synthetic bioactive material
- Composed from elements that occur naturally in the body
  - Si** (Silicon) Aids in bone mineralization
  - O** (Oxygen) Most prevalent element in body (65% by weight); required for multiple functions
  - Ca** (Calcium) Component of bone mineral phase; most prevalent mineral in body, required for multiple body functions
  - Na** (Sodium) Required for normal cell function
  - P** (Phosphorus) Second most prevalent mineral in body; component of bone and DNA

### How it works

- Provides a scaffold for new bone to grow in contact with the material
- Immediate release of ions creates an ideal environment for cellular attachment and for protein and growth factor absorption
- Accelerates the production of an increased number of cells capable of dividing and forming new bone and healing tissue

### Velocity Synthetic Bone Graft Product Offering

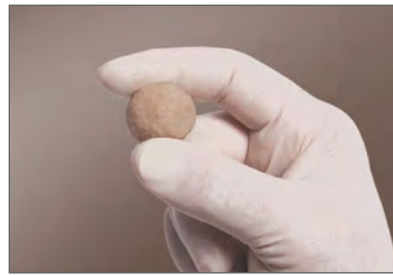
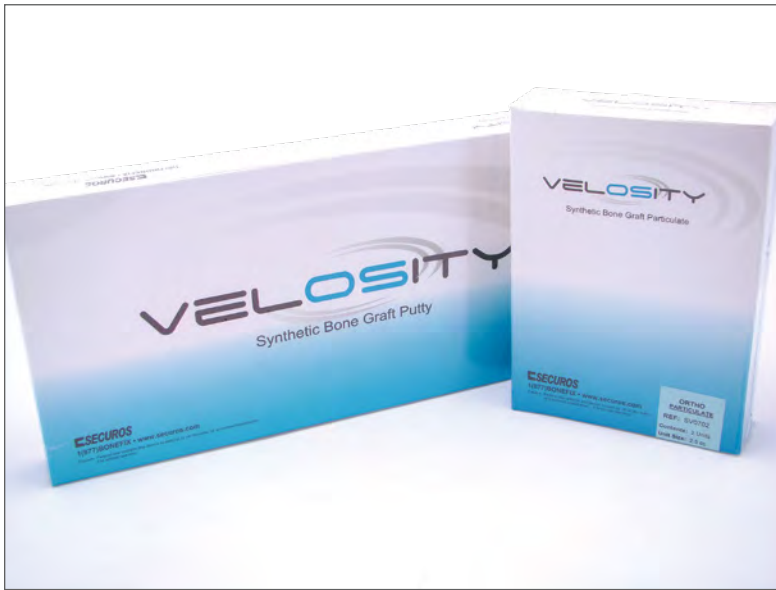
- Velocity particulate
  - 2.5cc (2 per box), 7.0cc (1 per box)
  - Mix with saline, blood, or bone chips
- Velocity putty
  - 1.0cc (1 per box), 2.5cc (1 per box), 5.0cc (1 per box), 10.0cc (1 per box)

### Applications

- Nonstructural orthopedic osseous defects
- Long bone acute fractures
- Bony defects
- Impaction grafting – hip revision
- Dental



## Orthopedic Bioactive Synthetic Bone Graft (Sterile)



**Putty Rolled in Hand**



**Applied to Bone**

PART#	SECUROS#	PRODUCT DESCRIPTION	VOLUME/BOX
035245	003756	Putty	2.5cc
032391	000842	Putty	5.0cc
061464	SV0610	Putty	10.0cc
032390	000841	Particulate	Two 2.5cc
061463	SV0707	Particulate	7.0cc

## Dental Bioactive Synthetic Bone Graft (Sterile)



**Particulate**

PART#	SECUROS#	PRODUCT DESCRIPTION	VOLUME/BOX
042333	003623	Putty	1.0cc
032389	000840	Particulate	Two 2.5cc

# Veterinary Bone Cement

## Composition

- Comprised solely of Plexiglas (polymethyl methacrylate or PMMA)
- Acrylic compounds obtained by mixture of a liquid monomer and polymer in powder
- Polymerization activator produces an exothermic reaction, leading to the development of a consistent dough
- Provided as two-component materials, powder or liquid

## Cement Mixing

- Temperature in operating room should not exceed 23° C (73° F)
- Cement should be stored for at least 2 hours at 23° C (73° F) prior to use
- If temperature is higher, cement handling and setting times get shorter. The opposite occurs at lower temperatures.
- Always mix cement smoothly without lifting spatula from the bottom of the bowl to avoid entrapment of air bubbles
- Hardening time is 8 to 9 minutes



# Veterinary Bone Cement with Gentamicin

- Recommended in the prevention of postoperative infections
- Easily blended into cement
- Does not degrade during polymerization process
- Antibiotic release ranges from 2 weeks to over 5 years, with a maximum efficiency during the first 15 days
- The antibiotic concentration does not alter the mechanical properties of the cement

## Securos Veterinary Bone Cement Product Offering

- 20g packets of ETO sterilized radiopaque powder & an ampoule with 10ml ultrafiltration sterilized liquid
- 20g packets of ETO sterilized radiopaque powder with 1.25% gentamicin & an ampoule with 10ml ultrafiltration sterilized liquid
- Specially coated cement mixing bowl to avoid cement adherence

## Applications

- Total Joint Replacement
- Fracture Fixation
- Cranioplasty



## Veterinary Bone Cement



PART#	SECUIROS#	PRODUCT DESCRIPTION	VOLUME/BOX
370930	004882	Veterinary Bone Cement	20g
370931	004883	Veterinary Bone Cement with Gentamicin	20g

## Instruments for Veterinary Bone Cement



PART#	SECUIROS#	PRODUCT DESCRIPTION
047218	005093	Mixing Bowl and Spatula

Adaptors, TPLO Saw, Universal.....	55	Bone Cutting, Ruskin-Liston, Forceps .....	69, 82
Adson, Rongeur.....	68	Bone Graft, Biomaterial, Particulate.....	100-101
Aiming Guide, Universal.....	76	Bone Graft, Biomaterial, Putty.....	100-101
Army, Retractor.....	79	Bone Holding, Forceps .....	80
Arthrodesis .....	86-91	Bone Reduction, Clamshell.....	80
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Bender, K-wire .....	70	Cottle, Rasp.....	67, 82
Bending Irons, for plates .....	51	Coxofemoral Luxation Management .....	74
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Bending Pliers, for plates.....	52	Coxofemoral Luxation, Organizer Bag.....	77
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		Double Drill Guides .....	94

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Drill Bits, Quick Coupling, Titanium Nitride Coated, Bite Bit.....	93	Hartmann, Alligator, Forceps .....	62
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Drill Guides, Double .....	94	Hartmann, Mosquito, Forceps .....	62
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Femoral Head Osteotomy, Kit.....	78	Hook, Knife .....	62
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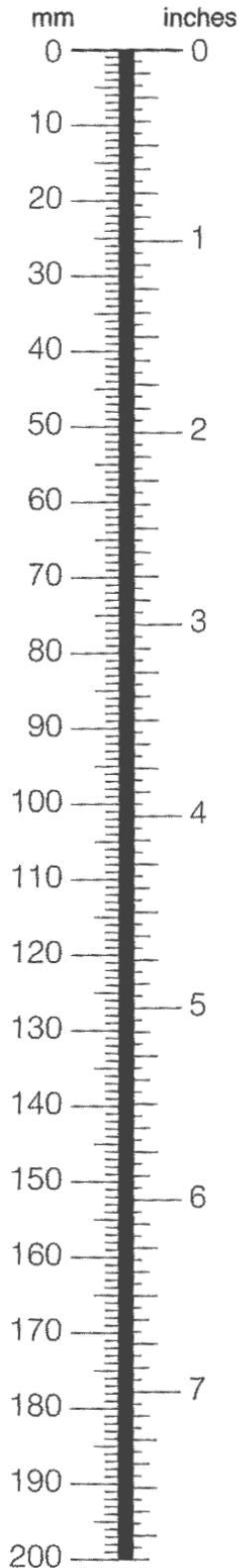
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# Conversion Tables



Approx. mm Wire Gauge

0.30	30
0.33	29
0.35	28
0.40	27
0.46	26
0.50	25
0.56	24
0.61	23
0.71	22
0.81	21
0.91	20
1.01	19
1.22	18
1.42	17
1.62	16
1.83	15
2.03	14
2.34	13
2.64	12
2.94	11
3.25	10

**Multiplication Factors:**

inches x 25.4 = mm

mm x 0.0394 = inches

	32 nds	64 ths	INCH		32 nds	64 ths	INCH
			1 - .015625		33 -		.515625
			1 - .03125		17 -		.53125
			3 - .046875		35 -		.546875
1/16			.0625	9/16			.5625
			5 - .078125		37 -		.578125
			3 - .09375		19 -		.59375
			7 - .109375		39 -		.609375
1/8			.125	5/8			.625
			9 - .140625		41 -		.640625
			5 - .15625		21 -		.65625
			11 - .171875		43 -		.671875
3/16			.1875	7/16			.6875
			13 - .203125		45 -		.703125
			7 - .21875		23 -		.71875
			15 - .234375		47 -		.734375
1/4			.25	3/4			.75
			17 - .265625		49 -		.765625
			9 - .2815		25 -		.78125
			19 - .296875		51 -		.796875
5/16			.3125	13/16			.8125
			21 - .328125		53 -		.828125
			11 - .34375		27 -		.84375
			23 - .359375		55 -		.859375
3/8			.375	7/8			.875
			25 - .390625		57 -		.890625
			13 - .40625		29 -		.90625
			27 - .421875		59 -		.921875
7/16			.4375	15/16			.9375
			29 - .453125		61 -		.953125
			15 - .46875		31 -		.96875
			31 - .484375		63 -		.984375
1/2			.5	1			1.



Securos USA  
443 Main Street  
Fiskdale, MA 01518  
877.266.3349

Securos Europe GmbH  
Take Off Gewerbepark 11  
D-78579 Neuhausen ob Eck Germany  
+49 7467 9476 50

Securos UK  
Centaur House, Torbay Road  
Castle Cary  
BA7 7EU  
+0845 070 2498

[www.secuors.com](http://www.secuors.com)