





Veterinary
Instrumentation

Veterinary Instrumentation Partnership Programme

Generate Measurable Rewards To Innovate Your Practice

Vi are continuously looking at ways to innovate and evolve our service delivery.

During a recent survey conducted, over **95%** of people interviewed indicated that they would like to be a part of a loyalty scheme, but only **37%** currently receive some form of reward from their existing supplier.

Practices, through a partnership approach, are rewarded for every investment made in Vi branded products and services, with bespoke benefits delivered throughout the programme. Our ViPP scheme is exclusively for independent practices.

What are the benefits to joining the Veterinary Instrumentation Partnership Programme?



Additional discount across the entire Vi branded range



Annual **cash rebates**



Continuous CPD on subjects tailored to your Practice & staff needs



Free **exhibition & conference** passes



Unlimited access to **training collateral** via our **new E-Learning** platform

What Next?

To discuss how the Veterinary Instrumentation Partnership Programme could benefit you and your Practice, please contact your local sales representative.

How will you meet the rising demand for orthopaedic procedures?

Against a backdrop of a rapidly evolving market landscape, the demand for orthopaedic surgery is anticipated to increase **8.4%** annually.

Are you or your practice facing challenges with your existing supply chain, looking to form partnerships which deliver quantifiable value and reward you for your loyal custom?



Over **19,000** Vi products are being implanted each year in over **65** countries worldwide



Partnering with veterinarians, products are developed to industry specific needs, meeting advancing clinical techniques and regulated to **ISO9001** quality standards



With a reported revision rate of **0.002%** validation is achieved through clinical outcomes, rivalling any fracture repair system



Universally compatible screw and plate technology, allowing you to gradually build confidence as you transition



With over **1,400** different plate and screw profiles, we deliver a comprehensive portfolio for a wide range of fracture fixation approaches



From our work with practices to date, a typical **15%** cost saving can be achieved, developing leaner Practices and all without any impact on patient outcomes



Whether you are a new Practice start up, expanding into new clinical specialisms, or simply replacing or extending your existing fleet of equipment to meet the demand from your clinical service, Vi have created a wide range of kits, designed for General, Orthopaedic & Soft Tissue surgery.

Our kits are priced to ensure you receive on average a 10% saving by consolidating your requirements, rather than buying equipment as individual components.

The kits can also still be found at the start of the appropriate chapter throughout the catalogue.





Structured Payment Plans

Are you looking for creative ways to acquire specialist equipment without the initial capital outlay?

We have designed a range of structured payment plans, including split payment terms over terms suitable to your Practice.



How To Meet
The Evolving
Needs Of
Your Practice



ViPP

A true partnership approach, take advantage & deliver quantifiable rewards for you & your practice by joining over **20** other Practices who have recently joined our **Partnership Programme** in 2021.



Loan System

For a nominal fee, Vi have a range of **specialist loan kits** available to complement your own fleet. With next working day availability, the service offers flexibility as procedures are booked with your clients.

Vi General Surgery Kit



Kit Components:

- 171566 Jones Cross Action Towel Clips x4
- 746100 Metzenbaum Scissors - Straight 145mm x1
- 745300 Mayo Scissors Chamf Blades 140mm x1
- 341145 Dissecting Forceps 1/2 Teeth 150mm x1
- 106625 Spencer Wells Artery Forceps - Curved 125mm x2
- 106600 Spencer Wells Artery Forceps - Straight 125mm x2
- 103175 Halstead Mosquito Forceps 125mm x2
- 342010 Debakey Atraumatic Dissecting Forceps 180mm x1
- 341200 Adson Serrated Dissecting Forceps 125mm x1
- 584760 Mayo Needleholder 140mm x1
- 0803 Scalpel Handle No 3 x1

VIGSKIT Vi General Surgery Kit

Vi Basic Surgery Stitch Up Kit



Vi Basic Surgery Stitch Up Kit containing high quality instrumentation for your stitch up procedures.

The Vi Basic Surgery Stitch Up Kit contains:

- 0803 Scalpel Handle No 3 x1
- 106600 Spencer Wells Artery Forceps - Straight 125mm x2
- 346850 Treves 1/2 Teeth Dissecting Forceps 125mm x1
- 584760 Mayo Needleholder 140mm x1
- 745300 Mayo Scissors Chamf Blades 140mm x1

VIBSSKIT Vi Basic Surgery Stitch Up Kit

Feline & Canine Spay Kits



It is convenient & cheaper to purchase your spay packs as kits.

The Feline Spay Kit contains:

- 014211 Spay Forceps 125mm Long x1
- 0803 Scalpel Handle No.3 x1
- 103225 Halstead Mosquito Forceps Curved 125mm Long x2
- 106625 Spencer Wells Artery Forceps Curved 125mm Long x2
- 171566 Jones Cross Action Towel Clips 90mm Long x2
- 341210 Adson Dissecting Forceps 1/2 Teeth 125mm Long x1
- 585400 Olsen Hegar Needleholders 140mm Long x1
- 746100 Metzenbaum Scissors Straight 145mm Long x1
- BX201040 Stainless Steel Instrument Box x1

The Canine Spay Kit contains:

- 014307 Carmault Forceps Curved 200mm Long x2
- 0803 Scalpel Handle No.3 x1
- 106630 Spencer Wells Artery Forceps Curved 150mm Long x4
- 171566 Jones Cross Action Towel Clips 90mm Long x4
- 341145 Dissecting Forceps 1/2 Teeth 150mm Long x1
- 585410 Olsen Hegar Needleholders 165mm Long x1
- 745300 Mayo Chamf Blades Straight 140mm Long x1
- 801155 Allis Tissue Forceps 3/4 Teeth 150mm Long x2
- BX221550 Stainless Steel Instrument Box x1

SPAYFEL Cased Feline Spay Kit

SPAYCAN Cased Canine Spay Kit

Left Handed Instrument Starter Kit



Kit contains:

- 1x Mayo Scissors Str 5.5" - Left Handed
- 1x Metzenbaum Scissors Str 5.75" - Left Handed
- 1x Metzenbaum Scissors Cof 5.75" - Left Handed
- 2x Halstead Forceps Str 5" - Left Handed
- 2x Halstead Forceps Cof 5" - Left Handed
- 4x Crile Forceps Cof 5.5" - Left Handed
- 4x Backhaus Towel Clips - Left Handed
- 1x Olsen Hegar Needle Holders - Left Handed

Plus:

- 1x DeBakey Forceps 6"
- 1x Adsons Forceps
- 1x Scalpel Handle No.3

The Instruments are all contained in a Stainless Steel Instrument Box.

LHKIT Left Handed Instrument Starter Kit

Thoracic Surgery Kit



The Thoracic Surgery Kit contains:

- | | | |
|-----------|-------------------------------------|----|
| • 106205 | 45 Degree Curved Forceps 220mm | x1 |
| • 105415 | 90 Degree Curved Forceps 245mm | x1 |
| • 754060 | Metz Scissors Str 235mm T.C. | x1 |
| • 754120 | Metz Scissors Curved 235mm T.C. | x1 |
| • 342020 | DeBakey Thumb Forceps 205mm | x1 |
| • 347665 | Rat Tooth Thumb Forceps 205mm | x1 |
| • 602010 | DeBakey Needleholders T.C. 200mm | x1 |
| • 347655 | Dressing Forceps 205mm | x1 |
| • 2685/03 | Satinsky Clamps 160mm Long 20mm Jaw | x1 |
| • 2685/05 | Satinsky Clamps 200mm Long 30mm Jaw | x1 |

CAMTHORKIT Thoracic Surgery Kit

Ophthalmic Kit



Basic ophthalmic surgery kit contents:

- 1x Beaver Type Scalpel Handle
- 1x Castroviejo Needle Holders - Straight with Catch
- 1x Steven's Tenotomy Scissors
- 1x Colibri Tissue Forceps
- 1x Graefe Fixation Forceps
- 1x Roberts Tying Forceps
- 1x Castroviejo Corneal Scissors - Straight
- 1x Halstead Mosquito Forceps - Curved
- 1x Halstead Mosquito Forceps - Straight
- 1x Baraquar Speculum
- 1x Stainless Steel Box 200mm x 100mm with Integrated Bacterial Filter
- 1x Silicone Fingered Insert

014130 Basic Ophthalmic Surgery Kit

Vi Lateral Suture Starter Kits



This Vi Starter Kit contains:

- 1x Crimping Forceps (091135)
- 2x 50lb Nylon Line with Swaged on Needle & Crimp (091155)
- 2x 80lb Nylon Line with Swaged on Needle & Crimp (091156)
- 2x 100lb Nylon Line with Swaged on Needle & Crimp (091157)

091154 CCL Suture System (Swaged On) Basic Kit Crimping Forceps
2x Each Size Nylon/Needle/Crimp Sterile Packs



This Vi Starter Kit contains:

- 1x Compound Action Crimping Forceps (091135C)
- 2x 50lb Nylon Line with Swaged on Needle & Crimp (091155)
- 2x 80lb Nylon Line with Swaged on Needle & Crimp (091156)
- 2x 100lb Nylon Line with Swaged on Needle & Crimp (091157)

091150 CCL Suture System (Swaged On) Compound Action Kit
2x Each Size Nylon/Needle/Crimp Sterile Packs



This Vi Starter Kit contains:

- 1x Crimping Forceps (091135)
- 1x Heavy Duty Needle Driver (091153)
- 2x 50lb Nylon Line with Swaged on Needle & Crimp (091155)
- 2x 80lb Nylon Line with Swaged on Needle & Crimp (091156)
- 2x 100lb Nylon Line with Swaged on Needle & Crimp (091157)

091151 CCL Suture System (Swaged On) Basic Kit Plus
Forceps 2x Each Size Nylon/Needle/Crimp Sterile Packs
Plus Heavy Duty Needleholders

LigaFiba® Lateral Suture With Crimp Starter Kit



The LigaFiba® Lateral Suture With Crimp Starter Kit contains everything needed at a substantial discount.

The Kit contains the following:

- Compound Action Crimpers for LigaFiba®
- Heavy Duty Needle Driver
- 2x 150lb LigaFiba® Lateral Suture with Crimp
- 2x 250lb LigaFiba® Lateral Suture with Crimp
- 2x 500lb LigaFiba® Lateral Suture with Crimp
- LigaFiba® Scissors

LFLSCRSTARTER LigaFiba® Lateral Suture With Crimp Starter Kit

LigaFiba® Lateral Button Suture with Crimp Starter Kit

The Standard Kit contains:

- Compound Action Crimpers for LigaFiba®
- Heavy Duty Needle Driver
- 2x 150lb LigaFiba® Lateral Button Suture with Crimp
- 2x 250lb LigaFiba® Lateral Button Suture with Crimp
- 2x 500lb LigaFiba® Lateral Suture Button with Crimp
- LigaFiba® Scissors

The Small Kit contains:

- Compound Action Crimpers for LigaFiba®
- Heavy Duty Needle Driver
- 2x 75lb LigaFiba® Lateral Button Suture with Crimp
- 2x 150lb LigaFiba® Lateral Button Suture with Crimp
- 2x 250lb LigaFiba® Lateral Suture Button with Crimp
- LigaFiba® Scissors

LFLBSTARTERTI LigaFiba® Lateral Titanium Button Suture With Crimp
Starter Kit - Standard

LFLBSTARTERTI/S LigaFiba® Lateral Titanium Button Suture With Crimp
Starter Kit - Small

Meniscus Surgery

Meniscus Surgery Set



Management of meniscal injuries has three phases all of which will require special instrumentation.

- Exposure of the meniscus, particularly the caudal horn of the medial meniscus. This will require that the tibia is advanced & distracted relative to the femur
- Examination of the meniscus for lesions. A visual examination is not enough. The surface of the meniscus should be probed for defects & tears. The circumferential attachments should be checked for security
- Lesions discovered must be managed by debridement or meniscal release

The Meniscus Surgery Set includes all the essential instruments for the examination & management of meniscal injuries in a stainless steel autoclave case. Purchased as a set there are significant savings.

- Standard Stifle Distractor
- Hohman Retractor 8mm
- Meniscus Probe 1mm
- MicroToothed Halsteads
- Beaver Type Scalpel Handle
- 25x No 65 Blade (mini no 11)
- Stainless Case
- Silicone Protective Insert

001116 Meniscus Surgery Set

The Enhanced Meniscus Surgery Kit contains all the instruments in the standard kit, plus a small Stifle Joint Distractor (001113), a Push knife (AR-17-11X) & a Pull Knife (AR-17-19X).

The small Stifle Joint Distractor is also useful as small local muscle & tissue retractors in & around canine joints e.g. elbow exploration. Extends the use of the kit to smaller patients.

001117 Meniscus Surgery Set - Enhanced

TTA Rapid Starter Kit

Instrument & selected implant set, supplied in basket type containers with dedicated racks. Implant set contains commonly used sizes as listed below.



The Kit contains:

Instrument Tray - Complete with new L-Shaped Saw guide.

Implant Tray containing

6mm x 16mm Cage	x1	10.5mm x 22mm Cage	x1
7.5mm x 16mm Cage	x1	10.5mm x 25mm Cage	x1
7.5mm x 19mm Cage	x1	12mm x 22mm Cage	x1
9mm x 19mm Cage	x1	(8 cages in total)	
9mm x 22mm Cage	x1		

Screws

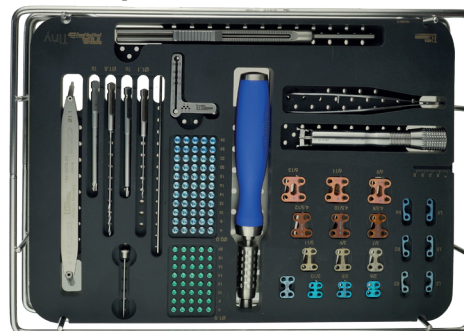
1 x 8mm	4 x 22mm	2 x 34mm
2 x 10mm	4 x 24mm	2 x 36mm
4 x 12mm	4 x 26mm	2 x 38mm
4 x 14mm	4 x 28mm	1 x 40mm
4 x 16mm	4 x 30mm	(54 Screws in total)
4 x 20mm	4 x 32mm	

2 x 2.5ml Nanopaste

Starter Kit price is discounted by over 10% compared to component price.

- TTARNEWSTARTKIT** TTA Rapid Starter Kit
- TTARNEWPREMALL** TTA Rapid Premium Instrument & Implant Kit
- TTARNEWPREMIMP** TTA Rapid Premium Implant Kit
- TTARNEWPREMINST** TTA Rapid Premium Instrument Kit
- TTARI32500000/A** TTA Rapid Implant Tray Supplied Empty
- TTARI32500010/A** TTA Rapid Instrument Tray Supplied Empty.

Tiny TTA Rapid Set

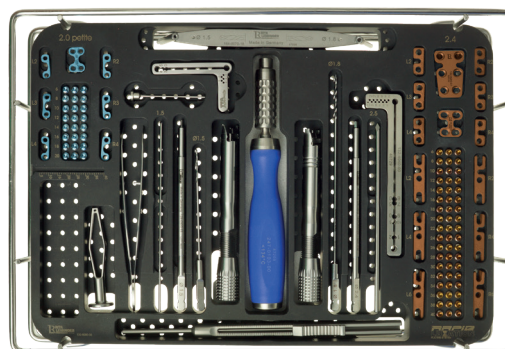


The Tiny TTA Rapid Set contains:

- 1x Sterilisation Tray with Lid
- 1x of each Tiny TTA Rapid Cage (12 total)
- 1x of each 2, 3 & 4mm Patella Spacer (6 total)
- 1x Rapid Luxation Plate Petite
- 5x of each 1.5mm Screw (6-20mm 40 total)
- 5x of each 2.0mm Screw (6-26mm 55 total)
- 1 xTibia Tappet Petite
- 1x Plate Holding Forceps
- 1x Tiny Sawguide with Pin & K-Wire
- 1x Depth Gauge
- 2x Drills (1.1 & 1.5mm)
- 2x Screw Driver Shafts (T6 & T8)
- 1x Screwdriver Handle
- 1x Drill Guide

TTARI32650000 Tiny TTA Rapid Set

Rapid Luxation Set



The Rapid Luxation Set contains:

- 1x Sterilisation Tray with Lid
- 3x of each 2.0mm Screw (6-20mm) (24 in total)
- 3x of each 2.4mm Screw (6-40mm) (54 in total)
- 1x of each Rapid Luxation Plate (3 pieces in total)
- 1x of each Patella Spacers (18 pieces in total)
- 1x Large Sawguide with Pin & K-Wire
- 1x Tiny Sawguide with Pin & K-Wire
- 1x Tibia Tappet - Petite
- 1x Tibia Tappet - Standard
- 1x Screwdriver Handle
- 1x Screw Driver Shaft 2.4 + 2.0 with Holding Sleeve
- 1x Plate Holding Forceps
- 1x Depth Gauge
- 1x Drill Guide
- 1x Drills 1.5 & 1.8

TTARI32800000 Rapid Luxation Set

TTA Starter Kit



The TTA Starter Kit includes

Instruments

- TTA Drill Guide (4 Hole)
- TTA Drill Guide (8 Hole)
- TTA Fork Holder
- TTA Spreader + Inserts
- TTA Plate Bender
- TTA 2.4 Cross Head Screwdriver
- TTA Plate & Fork Overlay
- TTA Mallet
- Depth Gauge
- TTA Cage Forceps
- Block End Serrated Dissecting Forceps
- 2.5 Hex Head Screwdriver & Sleeve
- Premium Equipment Box
- 1.8mm, 2.0mm, 2.5mm Drill Bits - Hard

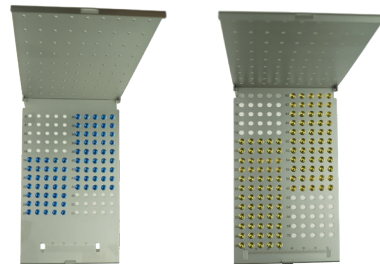
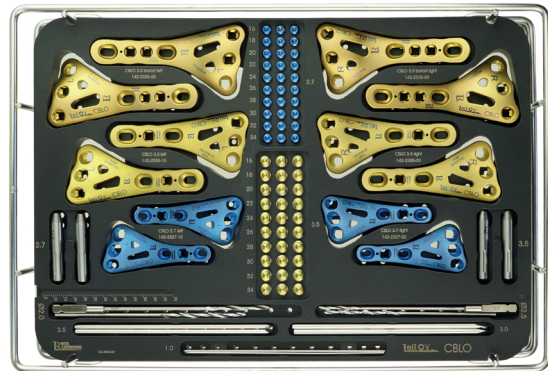
Implants

- One of each Cage (3mm, 4.5mm, 6mm, 7.5mm, 9mm, 10.5mm & 12mm)
- One of each Fork
- One of each Plate
- 2.4mm Self Tapping Screws 12mm – 38mm 4 of each
- 2.7mm Self Tapping Screws 12mm – 28mm 3 of each
- 3.5mm Self Tapping Screws 16mm – 36mm 3 of each

The TTA Starter Kit gives a good saving over component price.

TTAPREM TTA Starter Kit In A Premium Aluminium Box

CBLO Implant Set

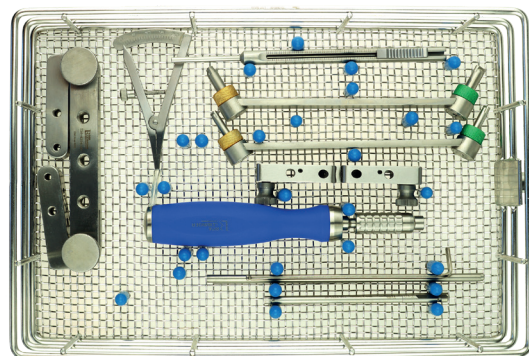


The CBLO Implant Set contains:

- 1x CBLO Implant Tray
- 1x Screwrack CBLO 2.7
- 1x Screwrack CBLO 3.5
- 2x of each CBLO Plate
- 3x of each Self Tapping Screw (16-34mm)
- 5x of each 2.7 Locking Screw (16-46mm)
- 5x of each 3.5 Locking Screw (16-60mm)

CBLO142400010 CBLO Implant Set

TPLO/CBLO Instrument Set



The TPLO/CBLO Instrument Set contains:

- 1x CBLO Instrument Tray
- 2x Drills (2.0 & 2.5mm)
- 3x 2 K-Wires (1.0, 2.5 & 3.0mm)
- 2x 2 Locking Drill Guides
- 2x TPLO Jigs
- 1x Screwdriver Handle
- 1x Screwdriver Shaft
- 1x Depth Gauge
- 1x Castroviejo Caliper
- 2x Compression Drill Guides

CBLO142400020 TPLO/CBLO Instrument Set

Vi Locking TPLO Starter Kits

Our range of TPLO kits are an excellent way to obtain the appropriate equipment which enables you to complete the TPLO procedure. Our range of kits come with or without a Veterinary specific battery Powered Surgical Power Tool.

We have now also launched a smaller locking kit due to the trend of smaller dog breeds requiring this type of surgery.



Vi TPLO Starter Kit with No Power Equipment contains:

- 001492 Slocum Type Rotation Gauges 5mm To 15mm x1
- 001494 Bone Scribe (200mm Long) x1
- ACETATE7 Acetate Plate Profiles TPLO Plates x1
- BRTPLO Step By Step Guide To TPLO By Radial Cut x1
- TPLO32 Slocum Guide 3.2mm (1/8") x 125mm Pins For TPLO 25mm Thread x10
- TPLOJIG TPLO Basic Jig x1
- TPLOROT TPLO Rotation Chart x1
- TPLOV118 TPLO Blade Vi Pattern 18mm x1
- TPLOV121 TPLO Blade Vi Pattern 21mm x1
- TPLOV124 TPLO Blade Vi Pattern 24mm x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Right x1
- VILTPLO35BL4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Left x1
- VILTPLO35BR4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Right x1
- VILTPLO35L3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Left x2
- VILTPLO35R3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Right x2

VILTPLOKITNP Vi TPLO Locking Starter Kit With No Power Equipment

Vi TPLO Starter Kit with Vi Battery Powered TPLO Saw has the same components as the VILTPLOKITNP plus:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1

VILTPLOKITBAT Vi TPLO Locking Starter Kit With Battery Saw Power

Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates contains the same core components but a smaller range of plates & blades plus the TPLO Saw:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1
- TPLOV112 TPLO Blade Vi Pattern 12 mm x1
- TPLOV115 TPLO Blade Vi Pattern 15 mm x1
- VILTPLO15L3 Locking TPLO Plate For 1.5mm Screws Left x1
- VILTPLO15R3 Locking TPLO Plate For 1.5mm Screws Right x1
- VILTPLO20L3 Locking TPLO Plate For 2.0mm Screws Left x1
- VILTPLO20R3 Locking TPLO Plate For 2.0mm Screws Right x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws Right x1

VILTPLOKITBATXS Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates

Vi Orthopaedic Starter Kits & Practice Set Up Service

As all practices are different, we have incorporated flexibility into our start-up options, allowing surgeons to customise their purchases to their personal preferences & case-load.

Vi Orthopaedic Starter Kit - Standard

Offered at a 20% discount on the components price, this is a basic kit providing all of the necessary orthopaedic equipment, including power-drill to allow the surgeon to perform:

- **CrCL repair using the nylon lateral suture system**
- **Meniscal surgery in patients c. 15-50kg**
- **Basic patella luxation surgery (wedge sulcoplasty & tibial tuberosity transposition)**
- **FHNE on smaller patients**
- **Basic fracture repairs using pins & wires**



The Standard Kit contents:

001000	Adjustable Bone Saw With 5 Blades	x1	090003	Bone Pin Trochar 7/64 2.8mm Diam 300mm Long	x1
001004	Orthopaedic Stainless Steel Hard Back Saw 0.4mm Cut	x1	090004	Bone Pin Trochar 1/8 3.2mm Diam 300mm Long	x1
001010	Excision Arthroplasty Rasp	x1	090005	Bone Pin Trochar (9/64) Ø3.50mm x 300mm Long	x1
001048	Mini Hohman Retractor 8mm Short Tip	x1	090006	Bone Pin Trochar 5/32 4.0mm Diam 300mm Long	x1
001090	Disarticulator Small	x1	090007	Bone Pin Trochar 3/16" 4.8mm Diam 300mm Long	x1
001116	Meniscus Surgery Kit	x1	090008	Bone Pin Trochar 1/4 6.35mm Diam 300mm Long	x1
001221	Standard Jacobs Chuck & Handle 1/4" (6mm) Capacity	x1	090021	1.1mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001234	Implant Cutter S/Steel Cuts To 4.0mm (370mm Long) TC Inserts	x1	090022	1.6mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001237/1	Implant Cutter S/Steel Simple Action 2.0mm Max (255mm Long)	x1	090023	2.0mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001250	Wire Passer Double Ended (145mm)	x1	090024	1.4mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001260	Wire Twister & Shear Cutter (165mm)	x1	090038	Bone Pin Roll	x1
001271	Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle	x1	090039E	K/A Wire Storage Tube & Dispenser 125mm 0.9/1.1/1.6/2.0	x1
001300	Small Curved Rongeurs 4mm Bite	x1	091151	CCL Kit - Crimpers H/Duty Needleholders & 2 Of Each Nylon	x1
001310	Small Angled Cutter (15mm Blade)	x1	623850	15mm Osteotome Swedish Pattern (205mm)	x1
001320	Mallet 300g	x1	782600	Volkman Scoop Double Ended 4mm & 6mm (200mm Long)	x1
001362	Kirschner & Arthrodesis Wire Bender 140mm	x1	H090104	2.7Mm Round Shank Drill Hard	x1
001600	Variable Speed Orthopaedic Drill Kit	x1	H090106S	3.5Mm Round Shank Drill Hard	x1
090000	Bone Pin Trochar 1/16 1.6mm Diam 300mm Long	x1	OW0810	Reel Of Orthopaedic Wire 0.8mm/21g Diameter	x1
090001	Bone Pin Trochar 5/64 2.0mm Diam 300mm Long	x1	OW1010	Reel Of Orthopaedic Wire 1.0mm/20g Diameter	x1
090002	Bone Pin Trochar 3/32 2.4mm Diam 300mm Long	x1	XRAYMARK1	Left & Right Hand X-Ray Markers	x1

ORTHOKITI Vi Orthopaedic Starter Kit
ORTHOKITINP Vi Orthopaedic Starter Kit Without Power Tools

Vi Orthopaedic Starter Kit - Enhanced

Offered at a 20% discount on the components price, this kit provides greater range & refinement of instruments & implants to cover a greater range of patients over those of ORTHOKIT1, including the choice of power tools specifically designed for orthopaedics. ORTHOKITTWO provides a firm basis of the necessary orthopaedic equipment to allow the surgeon to perform many orthopaedic procedures, including, but not limited to:

- **CrCL repair using the nylon lateral suture & lateral button suture systems**
- **Power tooling for corrective osteotomies & CrCL surgery by osteotomy (eg TTA, TTA Rapid, TTO or crCWO)**
- **Meniscal surgery in a range of patient sizes c.5-50 kg**
- **Patella luxation surgery (wedge sulcoplasty, block sulcoplasty & tibial tuberosity transposition)**
- **FHNE on both small & larger patients**
- **Hip toggling**
- **Other ligamentous repairs**
- **Basic fracture repairs using pins & wires**



The Enhanced Kit contents:

001000	Adjustable Bone Saw With 5 Blades	x1	090021	1.1mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001004	Orthopaedic Stainless Steel Hard Back Saw 0.4mm Cut	x1	090022	1.6mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001010	Excision Arthroplasty Rasp	x1	090023	2.0mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001021	Universal Sulcoplasty Rasp 210mm Long	x1	090024	1.4mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001041	Hohman Retractor 18mm Short Narrow Tip	x2	090039E	K/A Wire Storage Tube & Dispenser 125mm 0.9/1.1/1.6/2.0mm	x1
001042	Hohman Retractor 12mm Short Narrow Tip	x2	623850	15mm Osteotome Swedish Pattern (205mm)	x1
00109SET	Hatt Spoon Set (Set Of 3)	x1	782600	Volkman Scoop Double Ended 4mm & 6mm (200mm Long)	x1
001117	Meniscus Surgery Set - Enhanced	x1	AR-17-02	Stifle Lever PTFE Handle 280mm VSTL	x1
001221	Standard Jacobs Chuck & Handle 1/4" (6mm) Capacity	x1	H090102	2.0mm Round Shank Drill Hard	x1
001234	Implant Cutter S/Steel Cuts To 4.0mm (370mm Long) TC Inserts	x1	H090104	2.7mm Round Shank Drill Hard	x1
001237/I	Implant Cutter S/Steel Simple Action 2.0mm Max (255mm Long)	x1	H090106S	3.5mm Round Shank Drill Hard	x1
001250	Wire Passer Double Ended (145mm)	x1	H090112	2.5mm Round Shank Drill Hard	x1
001260	Wire Twister & Shear Cutter (165mm)	x1	HIPTOGKITLF250TI	LigaFiba 3.0mm Tog Introducer 3.5 & 4.5mm Drills & Guide	x1
001271	Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle	x1	IMPBOXTRO	IM Pin Box Complete With Steinman Pins Trochar Tips 30 Total	x1
001300	Small Curved Rongeurs 4mm Bite	x1	LFLSCRSTARTER	LigaFiba Lateral Suture + Crimp Starter Kit	x1
001310	Small Angled Cutter (15mm Blade)	x1	OW0710	Reel Of Orthopaedic Wire 0.71mm/ 22g Diameter	x1
001311	Large Angled Cutters 19Mmm Blade 23cm Long	x1	OW0810	Reel Of Orthopaedic Wire 0.8mm/ 21g Diameter	x1
001320	Mallet 300g	x1	OW0910	Reel Of Orthopaedic Wire 0.9mm/ 20.5g Diameter	x1
001323	TTA Mallet 140g	x1	OW1010	Reel Of Orthopaedic Wire 1.0mm/ 20g Diameter	x2
001343	10mm Osteotome Light (140mm)	x1	SAP2.5	Suture Anchor Pin 2.5mm Diameter 1.0mm Hole	x1
001362	Kirschner & Arthrodesis Wire Bender 140mm	x1	SAP3	Suture Anchor Pin 3mm Diameter 1.0mm Hole	x1
001363	Stubby Punch 50mm	x1	SAP4	Suture Anchor Pin 4mm Diameter 2.0mm Hole	x1
001380	Modular Osteotome With Seven Blades - 4,6,8,10,12,15 & 20mm	x1	XRAYMARKI	Left And Right Hand X-Ray Markers	x2

ORTHOKITTWO Vi Orthopaedic Starter Kit Enhanced With Electric Power

Contains list above plus Black Series equipment:

BLACKKIT	Vi Black Series Drill W/ Saw Set	x1
BLACKSW45I207B	Vi Black Saw Blade 45mm x 12mm Thick 0.7mm Set 0.95mm	x1
BLACKSW45I607B	Vi Black Saw Blade 45mm x 16mm Thick 0.7mm Set 0.95mm	x1

ORTHOKITTWONP Vi Orthopaedic Starter Kit Enhanced Without Electric Power

Contains list above with no power tools

Plating Kits In Modular Plating Box (MPB) Concept

Locking Plate & Screw Set In MPB



Our MPB Locking Kits contain plates, screws & required instrumentation. Available in 1.5mm, 2.0mm, 2.4mm, 2.7mm & 3.5mm & with either Dynamic Locking Plates or Stacked Hole Locking Plates.

LS15STARDLPKITALLMPB	1.5mm Locking Screw Star Head & DLP Plate Kit In MPB
LS20STARDLPKITALLMPB	2.0mm Locking Screw Star Head & DLP Plate Kit In MPB
LS24STARDLPKITALLMPB	2.4mm Locking Screw Star Head & DLP Plate Kit In MPB
LS27STARDLPKITALLMPB	2.7mm Locking Screw Star Head & DLP Plate Kit In MPB
LS35STARDLPKITALLMPB	3.5mm Locking Screw Star Head & DLP Plate Kit In MPB

LS20STARKITALLMPB	2.0mm Locking Screw (Star Head) & Plate Kit In MPB
LS24STARKITALLMPB	2.4mm Locking Screw (Star Head) & Plate Kit In MPB
LS27STARKITALLMPB	2.7mm Locking Screw (Star Head) & Plate Kit In MPB
LS35KITALLMPB	3.5mm Locking Screw (Hex Head) & Plate Kit In MPB
LS35STARKITALLMPB	3.5mm Locking Screw (Star Head) & Plate Kit In MPB

Locking Screw Sets



Star Drive Locking Screw Sets in Modular Plating Box Screw Caddy.

LS20STARKITMPB	2.0 Star Drive Locking Screw Set
LS24STARKITMPB	2.4 Star Drive Locking Screw Set
LS27STARKITMPB	2.7 Star Drive Locking Screw Set
LS35STARKITMPB	3.5 Star Drive Locking Screw Set

Cortical SelfTapping Kits In MPB



Our MPB Self tapping Cortical Kits contain plates, screws & required instrumentation. Available in a full range of sizes.

CORTSTKIT1.5/2MPB	1.5mm/2.0mm Self Tapping Cortical Kit In MPB
CORTSTKIT1.5MPB	1.5mm Self Tapping Cortical Kit In MPB
CORTSTKIT2.0MPB	2.0mm Self Tapping Cortical Kit In MPB
CORTSTKIT2.4MPB	2.4mm Self Tapping Cortical Kit In MPB
CORTSTP152024MPB	1.5/2.0/2.4mm Self Tapping Cortical Kit In MPB
CORTSTP2735MPB	2.7/3.5mm Self Tapping Cortical Kit In MPB
CORTSTKIT4.5MPB	4.5mm Self Tapping Cortical Kit In MPB
CORTSTPKITSTAR152024MPB	1.5/2.0/2.4mm Self Tapping Cortical Kit In MPB
CORTSTPKITSTAR2.7/3.5MPB	2.7/3.5mm Self Tapping Cortical Kit In MPB
CORTSXTP152024MPB	1.5/2.0/2.4mm Cortical Self Tapping Cruciate Head Kit In MPB
CORTSTKIT4.5MPB	4.5mm Self Tapping Cortical Kit In MPB

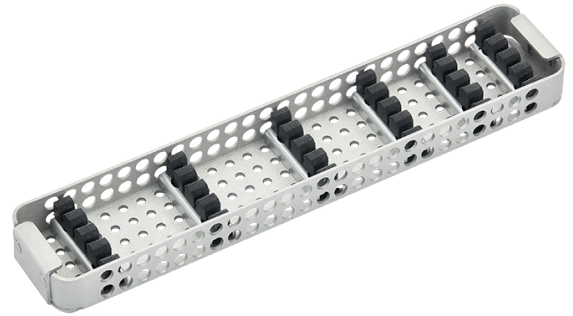
Modular Plating Box Components

Modular Plating Box Base & Lid



MPBB Modular Plating Box Base
MPBL Modular Plating Box Lid

Modular Plating Box Plate Trays For Locking Plates



MPBPTL15 1.5mm MPB Plate Tray For Locking Plates
MPBPTL2 2.0mm MPB Plate Tray For Locking Plates
MPBPTL24 2.4mm MPB Plate Tray For Locking Plates
MPBPTL2735 2.7/3.5mm MPB Plate Tray For Locking Plates

Modular Plating Box Plate Trays For Non-Locking Plates



MPBPTNL15 1.5mm MPB Plate Tray For Non-Locking Plates
MPBPTNL2 2.0mm MPB Plate Tray For Non-Locking Plates
MPBPTNL24 2.4mm MPB Plate Tray For Non-Locking Plates

Modular Plating Box Instrument Trays



MPBIT1520 1.5/2.0mm MPB Instrument Tray
MPBIT24 2.4mm MPB Instrument Tray
MPBIT2735I 2.7/3.5mm MPB Instrument Tray 1
MPBIT27352 2.7/3.5mm MPB Instrument Tray 2
MPBIT45 4.5mm MPB Combined Instrument & Plate Tray

Modular Plating Box Screw Caddys

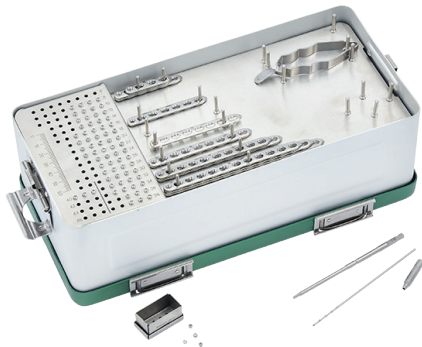


MPBSC15 1.5mm MPB Screw Caddy
MPBSC20 2.0mm MPB Screw Caddy
MPBSC24 2.4mm MPB Screw Caddy
MPBSC27 2.7mm MPB Screw Caddy
MPBSC35 3.5mm MPB Screw Caddy
MPBSC45 4.5mm MPB Screw Caddy

Modular Plating Box TPLO Instrument Trays

MPBITTPLO1 Instrument Tray 1 For TPLO Kits
MPBITTPLO2 Instrument Tray 2 For TPLO Kits
MPBITTPLO3 Instrument Tray 3 For TPLO Kits

Locking Plating Kits In Premium Box



Kit featured is LS24STARDLPKITALL

Our Locking Kits in anodised aluminium Premium Box contain plates, screws & required instrumentation. Available in 1.5mm, 2.0mm, 2.4mm, 2.7mm & 3.5mm & with either Dynamic Locking Plates or Stacked Hole Locking Plates.

LS20STARDLPKITALL	2.0mm Locking Screw Star Head & DLP Plate Kit In Prem Box
LS24STARDLPKITALL	2.4mm Locking Screw Star Head & DLP Plate Kit In Prem Box
LS27STARDLPKITALL	2.7mm Locking Screw Star Head & DLP Plate Kit In Prem Box
LS35STARDLPKITALL	3.5mm Locking Screw Star Head & DLP Plate Kit In Prem Box
LS35KITALL	3.5mm Locking Screw (Hex Head) & Plate Kit In Prem Box
LS35STARKITALL	3.5mm Locking Screw (Star Head) & Plate Kit In Prem Box
LS27STARKITALL	2.7mm Locking Screw (Star Head) & Plate Kit In Prem Box
LS24STARKITALL	2.4mm Locking Screw (Star Head) & Plate Kit In Prem Box
LS20STARKITALL	2.0mm Locking Screw (Star Head) & Plate Kit In Prem Box

Cortical SelfTapping Kits In Premium Boxes



Kit featured is CORTSTP2735

Our SelfTapping Cortical Kits in anodised aluminium Premium Box contain plates, screws & required instrumentation.

CORTSTPI52024	1.5mm/2.0mm/2.4mm Cortical Self Tapping Kit In Premium Box
CORTSTP2735	2.7mm/3.5mm Cortical Self Tapping Kit In Premium Box

1.0mm Plating Kit

Management of fractures in dogs such as the Papillon & Chihuahua weighing less than a kilo is very challenging. Even 1.5 & 2.0mm screws are too large. Metacarpals in even some medium size patients require very small implants.

The range includes T-plates, compression plates & 5 different cuttable plates. Due to the small size, dedicated instrumentation is required.

As well as being useful for distal radial fractures in miniature & sub-miniature breeds, it has also found favour for repairing some of the smaller bones in larger patients.



The 1.0mm Plating Kit includes all the 1.0mm Instrumentation & a full set of 1.0mm Implants.

Everything is laid out in an easily accessible format in a Premium Filtered Case. The Plates are housed in a removable tray for easy access & inventory control.

1.0mm Kit Contents:

- 1x Cruciate Screwdriver Insert
- 1x Lightweight Screwdriver
- 2x 0.7mm Drill Bits
- 1x 1.0mm Drill Bit
- 1x Plate Holding Forceps
- 1x Screw Holding Forceps
- 1x Pair Plate Bending Irons
- 1x Drill Guide
- 1x Miniature Pointed Reduction Forceps
- 1x 3mm Grasp Serrated Bone Holding Forceps
- 1x 5mm Grasp Serrated Bone Holding Forceps
- 1x Small Compound Action Implant Cutters
- 1x each of 'T' Plate T101016 - T101027
- 1x each of DCP Plate C100210 - C101042
- 1x each of Cuttable Plate CPI0390 - CPI049120
- 8x each of CSST Screws 4mm - 7mm
- 6x each of CSST Screws 8mm & 9mm
- 4x each of CSST Screws 10mm & 11mm
- 2x each of CSST Screws 12mm - 15mm

CORTSTPI0 1.0mm Plating Set In Premium Box

Cortical & Cortical Self Tapping Kits In Stainless Box



Kit featured is *CORTSTKIT2735*

Our Cortical & Cortical Self Tapping Kits in Stainless Box contain plates, screws & required instrumentation

- CORTKIT1.5/2** 1.5mm/2.0mm Cortical Kit In Stainless Box
- CORTKIT2** 2.0mm Cortical Kit In Stainless Box
- CORTKIT2.7/3.5** 2.7mm/3.5mm Cortical Kit In Stainless Box
- CORTSTKIT1.5** 1.5mm Cortical Self Tapping Kit In Stainless Box
- CORTSTKIT1.5/2** 1.5/2.0mm Cortical Self Tapping Kit In Stainless Box
- CORTSTKIT2.0** 2.0mm Cortical Self Tapping Kit In Stainless Box
- CORTSTKIT24** 2.4mm Cortical Self Tapping Kit In Stainless Box
- CORTSTKIT2735** 2.7/3.5mm Cortical Self Tapping Kit In Stainless Box

AO Cortical Self Tapping Kits With Limited Contact (LC) Compression Plates

Contains the same implants & instruments except DCPs are replaced with Limited Contact Compression Plates.

- LCORTSTKIT24** 2.4mm Cortical Self Tapping Kit With LC Compression Plates In Stainless Box
- LCORTSTKIT2735** 2.7mm/3.5mm Cortical Self Tapping Kit With LC Compression Plates In Stainless Box

Locking Screw Sets



Available with either Hex (3.5mm only) or Star Drive Head.

- LS20STARKIT** 2.0 Star Drive Locking Screw Set
- LS24STARKIT** 2.4 Star Drive Locking Screw Set
- LS27STARKIT** 2.7 Star Drive Locking Screw Set
- LS35STARKIT** 3.5 Star Drive Locking Screw Set
- LS35KIT** 3.5 Hex Drive Locking Screw Set

2.4 Star Drive Locking Screw Set includes:

- 3x 6-8mm
- 4x 10-16mm
- 5x 18-28mm
- 4x 30-32mm
- 3x 34-40mm Locking Screws
- 5x Locking Plugs

2.7 Star Drive Locking Screw Set includes:

- 3x 6-8mm
- 4x 10-16mm
- 5x 18-28mm
- 4x 30-32mm
- 3x 34-40mm Locking Screws
- 5x Locking Plugs

3.5 Hex & Star Drive Locking Screw Sets include:

- 3x 12-20mm
- 4x 22-26mm
- 5x 28-40mm
- 4x 42-50mm
- 3x 52-58mm Locking Screws
- 5x Locking Plugs

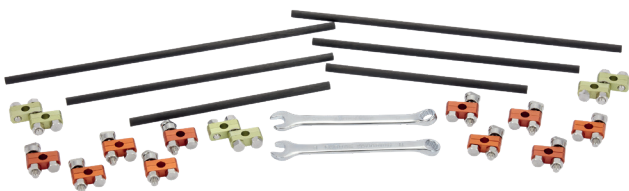
Mini SF Starter Kit (Stainless Steel Bars)

Kit contains

- 10x Mini Single Clamps
- 3x Mini Double Clamps
- 2x 7mm Spanner
- 6x Ø3.2mm Stainless Steel Connecting Bars; 2 each of length 75mm, 100mm & 125mm.

001760ISS SF Mini Starter Kit With Stainless Steel Bars

Small SF Starter Kit (Carbon Bars Or Titanium Bars)



Kit contains

- 10x Small Single Clamps
- 3x Small Double Clamps
- 6x Ø6.3mm Carbon connecting bars; 2 each of length 150mm, 200mm & 250mm.
- 2x 8mm spanner

Titanium kit contains 6 Titanium Connecting Bars of the same lengths.

0017602C SF Small Starter Kit With Carbon Bars

0017603TI SF Small Starter Kit With Titanium Bars

Large SF Starter Kit (Carbon Bars)



Kit contains

- 10x Large Single Clamps
- 3x Large Double Clamps
- 8x Ø9.5mm Carbon Connecting Bars; 2 each of length 150mm, 200mm, 250mm & 300mm
- 2x 10mm Spanners

0017604C SF Large Starter Kit With Carbon Bars

SF Full Kit (Includes Pins & Drill Bits - No Double Clamps)

With Stainless Steel/Titanium/Aluminium Bars

- 8x Mini Single Clamps
- 8x Small Single Clamps
- 8x Large Single Clamps
- 4x 2.0/2.4 End Threaded Pins 85mm long
- 2x 2.0/2.4 Mid Threaded Pins 105mm long
- 4x 2.7/3.5 End Threaded Pins 110mm long
- 2x 2.7/3.5 Mid Threaded Pins 115mm long
- 4x 3.5/4.3 End Threaded Pins 130mm long
- 2x 3.5/4.3 Mid Threaded Pins 140mm long
- 2x Mini 3.2mm Bar 150mm Long Stainless Steel
- 2x Small 6.3mm Bar 200mm Long Titanium
- 2x Large 9.5mm Bar 200mm Long Aluminium
- 1x 1.9mm Drill Bit
- 1x 2.5mm Drill Bit
- 1x 3.2mm Drill Bit
- 1x 7mm Spanner
- 1x 8mm Spanner
- 1x 10mm Spanner
- 1x Tissue Protector
- 1x Stainless Steel Box
- Also available with Stainless Steel/Carbon Bars
- Same as above except:
 - 2x Mini 3.2mm Bar 150mm Long Stainless Steel
 - 2x Small 6.3mm Bar 200mm Long Carbon
 - 2x Large 9.5mm Bar 200mm Long Carbon

Kit discounted by over 15% compared to component parts.

0017690SALT SF Full Kit With Steel/Titanium/Aluminium Bars

0017695SC SF Full Kit With Steel/Carbon Bars

Boxed KE+ ESF Kits (Spanners Included)



The full kit comprises one of each “standard kit” plus a compartmentalised stainless steel box in which to sterilise it.

However typically, double clamps weaken frames & are to be avoided if possible. 001579ND is based on single clamps only. For ideal construction use at least 3 pins in each fragment.

Kits save 10% on component costs.



NB: pins are only supplied with Kit 001579NDP which includes positive pins of all appropriate sizes.

001579ND Boxed Full KE+ Kit No Doubles
As Above But With No Double Clamps

001579NDP Full KE+ Kit In Stainless Steel Box
Includes For Each Of The 3 Sizes: 8 Single Clamps, 2 Long Bars, Spanner, 2 Mid Thread Positive Pins, 4 End Thread Positive Pins, The Correct Predrill & ESF Tissue Protector

KE+ Type One Kit (1a)



Contains a long bar & 4 or 6 KE Plus single clamps. Pins & spanners are not included. This is the minimum frame you should try to use.

Two pins only in the distal fragment is more acceptable than 2 pins proximally. Pin complications are usually fewer in the distal fragment.

- 001570** Unilateral KE+ Kit Large 4 Clamps | Bar 240mm
- 001571** Unilateral KE+ Kit Medium 4 Clamps | Bar 150mm
- 001572** Unilateral KE+ Kit Small 4 Clamps | Bar 100mm
- 001570P** Unilateral KE+ Kit Large 6 Clamps | Bar 240mm
- 001571P** Unilateral KE+ Kit Medium 6 Clamps | Bar 200mm
- 001572P** Unilateral KE+ Kit Small 6 Clamps | Bar 150mm

NB: No pins or spanners are supplied with these kits.

Variable Speed Orthopaedic Drill (Milwaukee) & Accessories

The drill system is from an industrial background, modified for the Animal Health industry.

Manufactured by Milwaukee, the system offers clinicians who are looking to adopt this type of specialist technologies the opportunity to do so, without any initial significant outlay, building experience & competency with a powered tool, before transitioning to a specialist & dedicated system, required to complete Orthopaedic procedures that are of a more technical & advanced nature.

- Excellent control over speed 0-600rpm via trigger
- Stainless Steel Chuck (6.35mm capacity) & Extension
- 80mm through Chuck cannulation
- Autoclavable Shroud
- Low Speed, High Torque
- Supplied as a Complete Kit including Stainless Chuck, Key, Extension, Autoclavable Shroud, 2 Batteries & a Charger.



- 001600** Variable Speed Orthopaedic Drill (Milwaukee) Kit - Drill, Chuck, Key, Shroud, Extension & 2x Batteries
- 001605** Spare Chuck (& Key) 1/4" 6.35mm
- 001606** Spare Key For Standard Chuck
- 001607** Drill Extension
- 001661A** Waterproof Shroud
- M12B2MIL** Spare Rechargeable Battery - Milwaukee Drill
- 34313** Battery Charger/Replacement - Milwaukee Drill

MiniDriver Sets



Illustrated above is the basic MiniDriver set comprising:

- K200 Handpiece Mark II
- K110 4mm Chuck
- K111 Wire Driver
- K114B AO Quick Release Chuck
- K220 Sagittal Saw Mark II
- 3MHOSEVI MiniDriver Hose

VIMDB2 MiniDriver Basic Set (Inc MkII Saw)

Multi Saw Battery Powered System

This multi-functional oscillating saw can be used for powered bone dissection, where an oscillating motion is required & also acts as a dedicated cast cutter.

The saw is supplied as a kit & includes a charging unit, two batteries, & a blade, S82-103, which is universal oscillating blade from our partners at De Soutter. A wider range of blades are available & outlined within this section of the chapter.

We recommend the saw is always used at its maximum speed & power output capacity, however the system does provide a function to control the speed, increasing or decreasing how the user sees fit during any osteotomy.

Examples of where this system can be utilised, but not limited to, are outlined below:

- **Total Femoral Head & Neck Excision**
- **TPLO Wedge Osteotomies**
- **TTA**



- 001708** Multi Saw Surgical Kit incl Converter, Shroud, Titanium Nitride Coated Blade & S82-103 Blade
- 001708.134** Multi Saw Surgical Kit incl Converter, Shroud, Titanium Nitride Coated Blade & SB5071-134 Blade Suitable for TTO & TTA Rapid
- 001702** Stainless Converter (c/w Spanner)
- 001703** Waterproof Shroud For Multi Saw
- 001705** Multi Saw Diamond Blade
- 001714** Multi Saw Titanium Nitride Coated Blade
- M12B2MIL** Spare Battery For Multi Saw (Milwaukee)

Vi Black Series Battery Powered Drill/Saw Set



The Vi Black Series Drill/Saw Set contains:

- Black Series Drill
- Black Series Saw
- 1x Battery Conditioning Charger
- 2x Batteries
- 2x Battery Transfer Sleeves
- 2x Storage Cases

BLACKKIT
BLACKBAT

Vi Black Series Drill/Saw Set
Vi Black Series Spare Battery

Vi Black Series Battery Powered Drill



Supplied complete with battery, battery charger, battery transfer sleeve & storage case.

The drill has a reverse & is fitted with a 4.8mm capacity three jaw chuck with 3.0mm through cannulation for driving smaller pins, wires & drill bits.

Drill max speed: 0-1100RPM
Drill max noise: <40dB
Drill weight: 990g

BLACKDRILL
BLACKBAT
BLACKCHUCKKEY

Vi Black Series Drill Set
Vi Black Series Spare Battery
Vi Black Series Drill Spare Chuck Key

Vi Black Series Conditioning Charger



VIBLKCHGUK
VIBLKCHGEU
VIBLKCHGUSA

Vi Black Series Conditioning Charger (UK)
Vi Black Series Conditioning Charger (EU)
Vi Black Series Conditioning Charger (USA)

Vi Black Series Battery Powered Surgical Saw



Supplied complete with battery, battery charger, aluminium battery transfer sleeve & storage case.

Saw speed: 0-15000 osc/min
Saw max noise: <50dB
Saw weight: 782g

BLACKSAW
BLACKBAT

Vi Black Series Saw Set
Vi Black Series Spare Battery

C-LOX Complete Set - New Version



The C-LOX Complete Set - New Version contains:

- C-Lox Tray x1
- Screwdriver Handle Silicone x1
- C-LOX Screwdriver Shaft 2.7 Star-Drive 10 self-holding 135mm AO x1
- Locking Drill Guide 2.7 for 2.0mm drills, for 2.7mm screws 10mm, 12mm 14mm, 16mm, 18mm & 20mm working end x1 of each size
- C-LOX Implantation Placement Rod 22cm x2
- C-LOX Spinal Curette 22cm x1
- Bone Drill AO Shaft Ø 2.0 mm 100/75 mm x1
- Bone Drill AO Shaft Ø 2.5 mm 110/85 mm x1
- C-LOX Spinal Cage Titanium, 2.7mm H-Plate with Almond Cage Locking with Spikes x1 of each size
- C-LOX Sizing Cage for Spinal Cage H-Plate with Almond Cage x1 of each size
- Star Drive Spinal Cage Locking Screw Titanium x5 of each length

CLOX134010001 C-LOX Complete Set - New Version

C-LOX Upgrade Set

For existing users of C-LOX with a 2017 original version set.



The C-LOX Upgrade Set contains:

- 1x C-LOX Upgrade Tray
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 10mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 12mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 14mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 16mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 18mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 20mm working end
- 1x Bone Drill AO Shaft Ø 2.0 mm 100/75 mm
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x 4
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x 6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 4
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 5
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 7
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x 5
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x 7
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x 6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x 8
- 5x C-LOX Spinal Cage Locking Screw 12mm (Thread Length 10mm)
- 5x C-LOX Spinal Cage Locking Screw 14mm (Thread Length 12mm)
- 5x C-LOX Spinal Cage Locking Screw 16mm (Thread Length 14mm)
- 5x C-LOX Spinal Cage Locking Screw 18mm (Thread Length 16mm)
- 5x C-LOX Spinal Cage Locking Screw 20mm (Thread Length 18mm)
- 5x C-LOX Spinal Cage Locking Screw 22mm (Thread Length 20mm)

CLOX134010002 C-LOX Upgrade Set

Winged Elevators With Short Handles



Our short handled Winged Elevators are predominantly designed to support users with smaller hands. The stainless steel case is silicone lined to minimise damage to the elevators, whilst being a convenient storage device during the sterilisation & transportation of the Elevators.

- 012401 Rainbow 1mm 125mm
- 012402 Gold 2mm 125mm
- 012403 Slate 3mm 125mm
- 012404 Black 4mm 125mm
- 012405 Set Of 4 In Stainless Steel Case

Winged Elevators



Veterinary Elevators designed by Dr Robert Wiggs. They have short winged blades with lateral edges which curve upwards further than traditional elevators, improving conformation to the root structure as well as instrument control. The narrow neck enhances visibility of the root & the shorter shaft improves handling & control, especially if the operator's hands are not large.

The design incorporates the best parts of an elevator & a luxator. Aluminium knurled handles are very comfortable in use. Flattened surface prevents rolling off the table.

Available as a boxed set.

- 012389 Winged Elevator 1mm (Purple) 145mm
- 012390 Winged Elevator 2mm (Gold) 145mm
- 012391 Winged Elevator 3mm (Blue) 145mm
- 012392 Winged Elevator 4mm (Black) 145mm
- 012393 Winged Elevators Set Of 4 (Includes Free Stainless Steel Case)
- 012395 Autoclavable Stainless Steel Case For Winged Elevators

Comfort Handle Elevators



Designed & developed by David Strong MRCVS. The comfort pattern elevators takes a radical new look at elevator handles. A range of new designs was tested by both nurses & veterinary surgeons to find the most comfortable design. The most popular pattern fits into the palm of the hand allowing the fore finger to be positioned along the shaft for added control.

Supplied in fully autoclavable coloured coded PTFE in 1mm, 2mm, 3mm, 4mm, 5mm & 6mm widths. Available singly or as a Set of 4 (1-4mm) or Set of 6 (1-6mm). When purchased as a Set the stainless steel autoclave case comes free.

- 012601 Comfort Elevator 1mm (White)
- 012602 Comfort Elevator 2mm (Green)
- 012603 Comfort Elevator 3mm (Blue)
- 012604 Comfort Elevator 4mm (Black)
- 012600 Comfort Elevators Set Of 4 (Includes Free Stainless Steel Case)
- 012605 Comfort Elevator 5mm (Grey)
- 012606 Comfort Elevator 6mm (Yellow)
- 012608 Comfort Elevator Set Of 6 (Includes Free Stainless Steel Case)

Rabbit Dental Kits



If you are setting up or have no rabbit/rodent equipment you may wish to purchase a Set, which offers considerable savings & is supplied in an stainless steel autoclaveable case.

Basic Kit (ROD1) contains:

- Rodent Gag
- Long Reach Cheek Dilator
- Incisor Luxator
- Molar Cutter
- Fine Rasp

Full Hand Kit (ROD2) contains:

- Rodent Gag
- Small Cheek Dilator
- Large Cheek Dilator
- Long Reach Dilator
- Incisor Luxator
- Molar Luxator
- Molar Extraction Forceps
- Diamond Rasp
- Rodent Spatula
- Molar Cutter

Hand & Motor Kit (ROD3) contains:

- Full Hand Kit PLUS:
- Rabbit Bur Kit
- Soft Tissue Protector
- Diamond Disc
- Diamond Disc Protector

This Kit also requires a Straight Nose Cone, plus a Micromotor, Air or Electric Drive.

- ROD1** Basic Kit
- ROD2** Full Hand Kit
- ROD3** Hand & Motor Kit

Table Top Rabbit Gag LED Light & Full Hand Kit



DENRODKIT Table Top Rabbit Gag LED Light & Full Hand Kit (Rod2)



Like the General Surgical Instrumentation chapter, we offer a vast array of Orthopaedic Instrumentation.

Within this chapter you will also find two of our most sought after kits for practices looking to enhance their case load by adopting Orthopaedic procedures, including, but not limited to:

- CrCL repair
- Surgical Power Tools for entry or intermediate level osteotomies
- Basic fracture repairs using pins & wires
- Meniscal surgery
- Patella luxation surgery
- Other types of ligament repair
 - FHNEA
 - Hip toggling

The outlined starter kits offer adopters a **20% saving** on the individual component prices.



Scan the QR code to be taken to the General Orthopaedics section of our website.



Vi Orthopaedic Starter Kits & Practice Set Up Service

As all practices are different, we have incorporated flexibility into our start-up options, allowing surgeons to customise their purchases to their personal preferences & case-load.

Vi Orthopaedic Starter Kit - Standard

Offered at a 20% discount on the components price, this is a basic kit providing all of the necessary orthopaedic equipment, including power-drill to allow the surgeon to perform:

- **CrCL repair using the nylon lateral suture system**
- **Meniscal surgery in patients c. 15-50kg**
- **Basic patella luxation surgery (wedge sulcoplasty & tibial tuberosity transposition)**
- **FHNE on smaller patients**
- **Basic fracture repairs using pins & wires**



The Standard Kit contents:

001000	Adjustable Bone Saw With 5 Blades	x1	090003	Bone Pin Trochar 7/64 2.8mm Diam 300mm Long	x1
001004	Orthopaedic Stainless Steel Hard Back Saw 0.4mm Cut	x1	090004	Bone Pin Trochar 1/8 3.2mm Diam 300mm Long	x1
001010	Excision Arthroplasty Rasp	x1	090005	Bone Pin Trochar (9/64) Ø3.50mm x 300mm Long	x1
001048	Mini Hohman Retractor 8mm Short Tip	x1	090006	Bone Pin Trochar 5/32 4.0mm Diam 300mm Long	x1
001090	Disarticulator Small	x1	090007	Bone Pin Trochar 3/16" 4.8mm Diam 300mm Long	x1
001116	Meniscus Surgery Kit	x1	090008	Bone Pin Trochar 1/4 6.35mm Diam 300mm Long	x1
001221	Standard Jacobs Chuck & Handle 1/4" (6mm) Capacity	x1	090021	1.1mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001234	Implant Cutter S/Steel Cuts To 4.0mm (370mm Long) TC Inserts	x1	090022	1.6mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001237/1	Implant Cutter S/Steel Simple Action 2.0mm Max (255mm Long)	x1	090023	2.0mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001250	Wire Passer Double Ended (145mm)	x1	090024	1.4mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001260	Wire Twister & Shear Cutter (165mm)	x1	090038	Bone Pin Roll	x1
001271	Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle	x1	090039E	K/A Wire Storage Tube & Dispenser 125mm 0.9/1.1/1.6/2.0	x1
001300	Small Curved Rongeurs 4mm Bite	x1	091151	CCL Kit - Crimpers H/Duty Needleholders & 2 Of Each Nylon	x1
001310	Small Angled Cutter (15mm Blade)	x1	623850	15mm Osteotome Swedish Pattern (205mm)	x1
001320	Mallet 300g	x1	782600	Volkman Scoop Double Ended 4mm & 6mm (200mm Long)	x1
001362	Kirschner & Arthrodesis Wire Bender 140mm	x1	H090104	2.7Mm Round Shank Drill Hard	x1
001600	Variable Speed Orthopaedic Drill Kit	x1	H090106S	3.5Mm Round Shank Drill Hard	x1
090000	Bone Pin Trochar 1/16 1.6mm Diam 300mm Long	x1	OW0810	Reel Of Orthopaedic Wire 0.8mm/21g Diameter	x1
090001	Bone Pin Trochar 5/64 2.0mm Diam 300mm Long	x1	OW1010	Reel Of Orthopaedic Wire 1.0mm/20g Diameter	x1
090002	Bone Pin Trochar 3/32 2.4mm Diam 300mm Long	x1	XRAYMARK1	Left And Right Hand X-Ray Markers	x1

ORTHOKIT I

Vi Orthopaedic Starter Kit

Vi Orthopaedic Starter Kit - Enhanced

Offered at a 20% discount on the components price, this kit provides greater range & refinement of instruments & implants to cover a greater range of patients over those of ORTHOKITONE, including the choice of power tools specifically designed for orthopaedics. ORTHOKITTWO provides a firm basis of the necessary orthopaedic equipment to allow the surgeon to perform many orthopaedic procedures, including, but not limited to:

- **CrCL repair using the nylon lateral suture & lateral button suture systems**
- **Power tooling for corrective osteotomies & CrCL surgery by osteotomy (eg TTA, TTA Rapid, TTO or crCWO)**
- **Meniscal surgery in a range of patient sizes c.5-50 kg**
- **Patella luxation surgery (wedge sulcoplasty, block sulcoplasty & tibial tuberosity transposition)**
- **FHNE on both small & larger patients**
- **Hip toggling**
- **Other ligamentous repairs**
- **Basic fracture repairs using pins & wires**



The Enhanced Kit contents:

001000	Adjustable Bone Saw With 5 Blades	x1	090021	1.1mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001004	Orthopaedic Stainless Steel Hard Back Saw 0.4mm Cut	x1	090022	1.6mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001010	Excision Arthroplasty Rasp	x1	090023	2.0mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001021	Universal Sulcoplasty Rasp 210mm Long	x1	090024	1.4mm Arthrodesis Wire 125mm Long (Pack Of 10)	x1
001041	Hohman Retractor 18mm Short Narrow Tip	x2	090039E	K/A Wire Storage Tube & Dispenser 125mm 0.9/1.1/1.6/2.0mm	x1
001042	Hohman Retractor 12mm Short Narrow Tip	x2	623850	15mm Osteotome Swedish Pattern (205mm)	x1
00109SET	Hatt Spoon Set (Set Of 3)	x1	782600	Volkman Scoop Double Ended 4mm & 6mm (200mm Long)	x1
001117	Meniscus Surgery Set - Enhanced	x1	AR-17-02	Stifle Lever PTFE Handle 280mm VSTL	x1
001221	Standard Jacobs Chuck & Handle 1/4" (6mm) Capacity	x1	H090102	2.0mm Round Shank Drill Hard	x1
001234	Implant Cutter S/Steel Cuts To 4.0mm (370mm Long) TC Inserts	x1	H090104	2.7mm Round Shank Drill Hard	x1
001237/I	Implant Cutter S/Steel Simple Action 2.0mm Max (255mm Long)	x1	H090106S	3.5mm Round Shank Drill Hard	x1
001250	Wire Passer Double Ended (145mm)	x1	H090112	2.5mm Round Shank Drill Hard	x1
001260	Wire Twister & Shear Cutter (165mm)	x1	HIPTOGKITLF250TI	LigaFiba 3.0mm Tog Introducer 3.5 & 4.5mm Drills & Guide	x1
001271	Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle	x1	IMPBOXTRO	IM Pin Box Complete With Steinman Pins Trochar Tips 30 Total	x1
001300	Small Curved Rongeurs 4mm Bite	x1	LFLSCRSTARTER	LigaFiba Lateral Suture + Crimp Starter Kit	x1
001310	Small Angled Cutter (15mm Blade)	x1	OW0710	Reel Of Orthopaedic Wire 0.71mm/ 22g Diameter	x1
001311	Large Angled Cutters 19Mmm Blade 23cm Long	x1	OW0810	Reel Of Orthopaedic Wire 0.8mm/ 21g Diameter	x1
001320	Mallet 300g	x1	OW0910	Reel Of Orthopaedic Wire 0.9mm/ 20.5g Diameter	x1
001323	TTA Mallet 140g	x1	OW1010	Reel Of Orthopaedic Wire 1.0mm/ 20g Diameter	x2
001343	10mm Osteotome Light (140mm)	x1	SAP2.5	Suture Anchor Pin 2.5mm Diameter 1.0mm Hole	x1
001362	Kirschner & Arthrodesis Wire Bender 140mm	x1	SAP3	Suture Anchor Pin 3mm Diameter 1.0mm Hole	x1
001363	Stubby Punch 50mm	x1	SAP4	Suture Anchor Pin 4mm Diameter 2.0mm Hole	x1
001380	Modular Osteotome With Seven Blades - 4,6,8,10,12,15 & 20mm	x1	XRAYMARKI	Left And Right Hand X-Ray Markers	x2

ORTHOKITTWO Vi Orthopaedic Starter Kit Enhanced With Electric Power

ORTHOKITWONP Vi Orthopaedic Starter Kit Enhanced Without Electric Power

Contains list above plus Black Series equipment:

BLACKKIT	Vi Black Series Drill W/ Saw Set	x1
BLACKSW451207B	Vi Black Saw Blade 45mm x 12mm Thick 0.7mm Set 0.95mm	x1
BLACKSW451607B	Vi Black Saw Blade 45mm x 16mm Thick 0.7mm Set 0.95mm	x1

Contains list above with no power tools

Orthopaedic Wire Kit



Cerclage wire can be a very useful means of fragment fixation. Kit containing our most popular cerclage instruments & a roll of wire, discounted over component price.

Kit contains:

001260	Wire Twister	x1
001256	Set Of 3 Single Ended Wire Passers	x1
OW1010	10m Roll Of 1.0mm Orthopaedic Wire	x1

OWKIT Orthopaedic Wire Kit

Fragment Forceps

Pointed Reduction Forceps

Ideal for fragment reduction, these forceps gently hold fragments in position whilst permanent fixation is being applied. Particularly useful in the repair of fractures of the distal femur, acetabulum & distal tibia.

The smaller sizes are useful in the repair of the long bones of the miniature dog & cat as well as the smaller bones of the distal limbs in large patients.



- 001200 Fragment Forceps 160mm Long
- 001201 Small Fragment Forceps 135mm Long
- 001208 Very Small Fragment Forceps 100mm Long
- 001208M Miniature Fragment Forceps 135mm Long
- 001200SET Fragment Forceps Set Of 4 (As Above)

Pointed Reduction Forceps With Spinlock



Useful for delicate reduction of fragments. Initial reduction is performed with the spinlock flipped out, to give maximum control. Once placed, the spinlock is flipped back in & gently tightened.

- 001201SL Small Fragment Forceps With Spinlock 135mm Long
- 001245SL Large Fragment Forceps With Spinlock 180mm Long

Very Large Fragment Forceps



Use where a wide gape is required or where the instrument needs to be further out of the surgical field. Spinlock version is very useful during CrCl surgery for repositioning the stifle prior to placement of a lateral suture, or holding osteotomies during closing wedge type procedures.

- 001202 Very Large Fragment Forceps 205mm Long
- 001203 Very Large Fragment Forceps With Spinlock 215mm Long





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Instrumentation

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Reduction Forceps With Hard Wire Guide



Standard pattern fragment forceps with an added wire guide, to allow placement of a temporary or permanent wire as close as possible to the point of reduction.

Guide capacity up to 1.6mm

- 001201W Reduction Forceps With Wire Guide 140mm Long Gape 10-25mm
- 001200W Reduction Forceps With Wire Guide 170mm Long Gape 15-40mm
- 001202W Reduction Forceps With Wire Guide 200mm Long Gape 25-65mm

Twin Point Fragment Forceps



Twin point fragment forceps hold securely while allowing placement of implants such as screws at the point of maximum reduction between the points.

Particularly useful for humeral condyle repairs, & repairs in the small bones distal to carpus & tarsus.

- 001205 Twin Point Fragment Forceps Straight 170mm Long
- 001206 Twin Point Fragment Forceps Curved 165mm Long

Ikuta Bone Clamps



Ikuta slotted clamps are designed to allow the passage of wires or screws at the point of maximum pressure. For bones up to 20mm diameter. The smaller sizes are for wires, the larger for small screws. Consider Twin Point Fragment Forceps above for larger screws, or a 001219 Long Ratchet Schroeder, a vusellum forcep, for more spring.

- 001207A Straight For Wires To 2.0mm 125mm Long
- 001207B Curved For Wires To 2.0mm 125mm Long
- 001207C Straight For Screws & Wires To 3.0mm 125mm Long
- 001207D Curved For Screws & Wires To 3.0mm 125mm Long
- 001207SET Ikuta Bone Forceps Set Of 4 (As Above)

Long Ratchet Schroeder Tenaculum



A larger, springier version of the straight Twin Point Forceps.

Useful for reduction of small fragments prior to drilling & screwing. Longer ratchet than a standard Schroeder increases usefulness.

- 001219 Long Ratchet Schroeder Tenaculum Str 240mm Long

Large Twin Point Reduction Forceps With Spinlock



Accessing the point of maximum compression to insert a screw is made easier by the use of twin point forceps. This size is useful for most elbows where accuracy of placement is essential, including Spaniels which are most likely to be affected by IOHC.

- 001204 Twin Point Reduction Forceps With Spinlock 215mm Long

Bone Holding Forceps

There is no one universal bone holder. Both the dimensions of the bones involved & the degree of force needed to manipulate or clamp the bone vary immensely. Select the most appropriate forcep for the procedure.

Vi Bone Holding Forceps



Useful general purpose bone holder for maintaining reduction during I/M pinning. Can also be used during plating procedures, passing drills & screws through the jaw centre.

001210 Bone Holding Forceps 155mm Long

Small Serrated Bone Holding Forceps



Manipulation of the long bones of cats & small dogs is difficult without crushing. The serrated jaws of this forcep are contoured to maximise grip & support. The tips are sharp. They may be used as small fragment forceps.

- 001218XS** X Small Serrated Bone Holding Forceps 3mm Grasp 140mm
- 001218S** X Small Serrated Bone Holding Forceps 5mm Grasp 140mm
- 001218** Small Serrated Bone Holding Forceps 7mm Grasp 140mm
- 001218L** Large Serrated Bone Holding Forceps Ratchet 12mm Grasp 180mm
- 001218SET** Serrated Bone Holding Forceps Set Of 4 (As Above)
- 001218LG** Small Serrated Bone Holding Forceps Spinlock 12mm Grasp 180mm

Reduction Forceps Serrated Jaws



These reduction forceps have serrated jaws & spinlock which provides secure incremental control.

- 001217** Reduction Forceps Serrated Jaws Spinlock 190mm Long
- 001217/L** Reduction Forceps Serrated Jaws Spinlock 240mm Long

Small Curved Serrated Reduction Forceps



A nice forcep for the manipulation of small bones or small bone fragments.

001996 Small Curved Serrated Reduction Forceps 145mm Long

Dingmans Forceps



Useful for manipulation of bone fragments.

001470 Dingmans Forceps Long Ratchet 215mm Long

Lowman Bone Clamp Veterinary Pattern Small Dog/Cat Size



Re-worked traditional human clamp, in sizes suitable for cats & small dogs

- Lightweight
- Requires minimal exposure
- Use to reduce oblique fractures
- Secures plate to fracture prior to screw placement

- 001991 Lowman Bone Clamp Veterinary Pattern 60mm Long
- 001993 Lowman Bone Clamp Large <30mm 220mm Long

Kern Bone Holding Forceps



Kerns give a very firm controllable grip, aiding manipulation & reduction of fragments. A quick release ratchet locks the jaws. Useful in general orthopaedics & for surgery around the hip, in particular:

- Femoral shaft fractures
- Triple pelvic osteotomy
- Hip toggle
- Fractures of the acetabulum

- 001216 Kern Bone Holding Forceps Mini 4.75" 125mm Long
- 001213 Kern Bone Holding Forceps Small 6.75" 170mm Long
- 001214 Kern Bone Holding Forceps Large 8.5" 215mm Long
- 001213SET Kern Bone Holding Forceps Set of 3 (As Above)

Self Centering Bone Holding Forceps



Some fracture reductions require that the bone forceps jaws be angled from the handles. Such forceps require:

1. A sophisticated hinge mechanism to allow the jaws to maintain alignment as they open & close.
2. A special locking device which can cope with the laxity at the hinge.

The spinlock & the special jaw make the instrument very nice to use but very expensive.

The veterinary pattern stands up from the bone in use, where the human pattern sits down & falls away which is generally less use in veterinary patients.

- 001209 Self Centering Bone Holding Forceps Very Small 150mm Long
- 001211 Self Centering Bone Holding Forceps Small 190mm Long
- 001212 Self Centering Bone Holding Forceps Large 240mm Long
- 001209V Self Centering Bone Holding Forceps Very Small 150mm Vet Pattern
- 001211V Self Centering Forceps Bone Holding Small 190mm Vet Pattern
- 001212V Self Centering Forceps Bone Holding Large 240mm Vet Pattern

Plate Holding/Drill Guide Forceps



Combination bone holder & drill guide. Allows temporary fixation of the plate to the bone whilst a hole is drilled. The ball shape of the tip engages the plate hole, while the tip of the drill guide engages the bone. Tips are offset slightly to avoid the drill bit hitting the opposite bone holder tip.

- 001225 1.5mm/2.0mm Plate Holding/Drill Guide Forceps 140mm Long
- 001226 2.4mm/2.7mm Plate Holding/Drill Guide Forceps 145mm Long
- 001227 3.5mm Plate Holding/Drill Guide Forceps 150mm Long
- 0012SET Plate Holding/Drill Guide Forceps Set (One Of Each Size)

Plate Holding Forceps



Use to hold a plate in position on the bone. Ball tips engage the plate holes. Also useful as a fragment forcep in young, soft bone, as the balls prevent over penetration.

001215 Plate Holding Forceps 160mm Long

Left Handed Orthopaedic Instruments



Left handed bone holders & fragment forceps are designs modified specifically to make use easier, along with our range of left handed general surgical instruments.

A limited range of the most popular instruments are available. If you have any suggestions for additions to the range, please contact the Vi team

One black handle identifies left handed instruments.

001201SL-L Small Fragment Forceps With Spinlock - Left Handed

001203-L Very Large Fragment Forceps With Spinlock - Left Handed

Rongeurs

Rongeurs vary with respect to bite size & jaw angle. Where a rongeur has a specific function it is indicated in the description. Punch type forceps & some smaller rongeurs are described in Chapter 8 Spinal Surgery, along with Duck Billed Rongeurs.

Simple Action Rongeurs

Typically simple action rongeurs offer a wide bite but rely on the physical strength of the surgeon. Most small rongeurs have a simple action.

Vi Small Curved Rongeurs



A good general purpose rongeur for small bone nibbling procedures, e.g. excision arthroplasty, arthrodesis, sequestrum removal.

001300 Small Curved Rongeur 4mm Bite 170mm Long

Mini-Friedman



Useful in bulla osteotomy.

142501 Mini-Friedman Rongeur Curved 3mm Bite 160mm Long

Micro-Friedman



A small spine rongeur.

142502 Micro-Friedman Rongeur Curved 2.2mm Bite 155mm Long

Lempert Straight



Useful for spines & bulla osteotomy.

6730/10 Lempert Rongeurs Straight 3mm Bite 190mm Long

Compound Action Rongeurs

The compound action give a mechanical advantage to the surgeon but reduces the bite width.

Jansen



Compound action, powerful but small bite.

142200 Jansen Rongeur Curved 4mm Bite 190mm Long

Ruskin



A heavy duty compound action rongeur.

142270 Ruskin (Liston) Rongeur Compound Action Curved 6mm Bite 230mm Long

Stille-Luer



A very large rongeur.

142305 Stille-Luer Heavy Compound Action Curved 8mm Bite 225mm

Duck-Billed Daniel Rongeurs



Designed by Simon Wheeler BVSc PhD, these Rongeurs can remove full thickness laminal bone in small dogs.

They are, however, best used to remove the layer of deep cortical bone overlying the spinal cord once the superficial cortex & cancellous bone have been removed using power tools; this is particularly true of the medium & large dog.

001400 Duck-Billed Daniel Rongeurs 3mm Bite 177mm Long

Micro Spine Rongeur Set



Very fine Rongeurs with a 1.75mm (width) bite. Available in three variations, straight, curved & angled.

142600 Micro Spine Rongeurs Set Of 3

Compound Action Spinal Rongeurs



Much more powerful than the Daniels, this instrument can nibble through full thickness lamina. The jaws are very fine & angled to allow the surgeon to enlarge the inter-vertebral foramen.

Available in 2mm, 3mm, 4mm & 5mm jaw widths. Length 190mm.

001440 Compound Action Spinal Rongeurs 5mm 190mm

Bone Cutters

Small Angled Cutters

A very useful small cutter. The jaw is angled to allow cutting where access is restricted, e.g. excision arthroplasty in cats & small dogs & tibial crest transplant. The design allows for transection of the tibial crest while retaining distal periosteal attachments. Also useful for articular cartilage removal in arthrodesis, digit & tail amputations.



001310 Small Angled Cutter 15mm Blade 170mm Long

Large Angled Cutters



Similar style to the Small Angled Cutters, but more powerful & more robust due to their size. The simple action allows a wider jaw opening. The angled jaws, more slender than similar sized Liston's, offer better visibility & access into tight spots. The notch in the jaws serves to improve visibility further & make accurate cuts more achievable.

001311 Large Angled Cutters 19mm Jaw 230mm Long

Liston



A widely used bone cutter with jaw options: straight & angled.

- 141700 Liston Bone Cutters 23mm Blade Str 140mm Long
- 141710 Liston Bone Cutters 20mm Blade Aof 140mm Long
- 141730 Liston Bone Cutters 24mm Blade Str 170mm Long
- 141740 Liston Bone Cutters 30mm Blade Aof 190mm Long
- 141755 Liston Bone Cutters 25mm Blade Str 190mm Long
- 141764 Liston Bone Cutters 30mm Blade Aof 200mm Long
- 141745 Liston Bone Cutters 32mm Blade Str 220mm Long

Compound Action Bone Cutters

All three following designs are similar but vary according to size of bite.

McIndoe



Compound jointed action gives power but reduces bite size.

141900 McIndoe Bone Cutter 15mm Blade Aof 170mm Long

Ruskin



Similar in design to McIndoe but larger.

- 141940 Ruskin (Liston) 25mm Blade Str 190mm Long
- 141960 Ruskin (Liston) 25mm Blade Aof 190mm Long

Horsley



Heavy duty compound action cutters.

- 141660 Horsley Cutter 35mm Blade Aof 260mm Long
- 141660S Horsley Cutter 35mm Blade Str 260mm Long

Periosteal Elevators

Periosteal Elevator/Bone Lever



One end of this instrument is bent for use as a hook for retrieving & manipulating bone fragments. The other end is a periosteal elevator useful for clearing soft tissue from bone prior to plating, drilling or burring.

001270 Bone Lever/Periosteal Elevator 4mm/7mm 195mm Long

Freer Periosteal Elevator



The Freer Elevator is a fine instrument which is particularly useful in spinal work.

7350/05 Freer Periosteal Elevator 5mm 180mm Long

Howarth Dissector (Modified)



Developed by Richard Whitelock specifically to clear soft tissues from the proximal tibia in the TPLO procedure. It is also useful as a general purpose periosteal elevator. One end acts as a curved periosteal elevator & the other end is straight.

001273 Howarth Dissector (Modified) 225mm Long

AO Type Periosteal Elevator



The AO type instrument is the archetypal 'periosteal elevator'. Available in a curved 6mm tip & a square 6mm tip.

001271 AO Type Periosteal Elevator PTFE Handle Curved 6mm 180mm

001274 AO Type Periosteal Elevator PTFE Handle Square Ended Tip 6mm 190mm

Periosteal Elevator Very Fine



001272 Periosteal Elevator Very Fine 2mm/3mm 180mm Long

Molt Periosteal Elevator (4mm/6mm)



Molt is a Double Ended Periosteal Elevator. The two tips are round & dished. 4mm & 6mm diameters.

001275 Molt Periosteal Elevator 200mm

MIPO Minimally Invasive Plate Osteosynthesis Elevator



This instrument is not so much a periosteal elevator more a dissecting probe to clear a tunnel under muscle layers for the plate. The periosteum is in fact left intact.

001276 MIPO Elevator 280mm Long

Offset K/A Wire Punch For Bent Pins



The bigger, angled foot of this punch is designed to allow bent-over arthrodesis or K wires to be driven home onto the bone surface. May also be used for Rush pins.

001364 Offset K/A Wire Punch For Bent Pins 135mm Long

‘K’/ ‘A’ Wire/Small Pin Punch



The cut ends of ‘K’ Wires, Arthrodesis Wires & small pins used for fragment fixation e.g. distal femoral fractures, should be buried beneath the bone or articular surface to minimise soft tissue irritation. The tip of the punch is concave to locate onto the pin end. The other end is struck with a mallet. Use 001360 for Pins & 001361 for Wires.

- 001360 ‘K’/‘A’ Wire/Small Pin Punch 135mm Long
- 001361 Small Pin Punch 1.6mm Tip 135mm Long

IM Pin Punch



IM Pin Punch with a larger diameter tip (6mm) for driving larger pins.

- 001374 IM Pin Punch 135mm Long 6mm Tip

‘Stubby’ Punch



The reduced working length allows the stubby punch to be held between thumb & forefinger much closer to the patient for increased control. This is especially useful when working without an assistant. 50mm long.

- 001363 ‘Stubby’ Punch 50mm Long

‘K’ Wire Bender



Used to bend K & A wires prior to rotation & seating onto the bone. This instrument is designed to slip over the wire concentrating all the bending forces at the pin/bone interface. The instrument is double ended, the small end is for 0.9mm & 1.1mm wires, the large end is for 1.4mm, 1.6mm & 2.0mm wires.

- 001362 ‘K’ Wire/Small Pin Bender 140mm Long

Offset Wire Bender



A robust design for the accurate & reliable creation of bends close to the bone surface. The three cannulations (1.1mm, 1.6mm & 2.0 mm) cater for the full range of our arthrodesis wires. The short length of each cannulation makes these easy to clean.

- 001373 Offset Wire Bender

Extra Fine Hard Back Saw



Fine toothed hard back saw, useful for trochleaplasty. Please note this saw is not stainless steel & will corrode badly. To keep the saw for as long as possible, clean thoroughly immediately after a procedure & store clean, dry & lubricated. Autoclave before use.

- 73547 Extra Fine Hard Back Saw Depth 31mm

Orthopaedic Hard Back Saw



Made from stainless steel & is autoclavable, the blade is stiffer than the Extra Fine Hardback Saw & has slightly bigger teeth. The stiff back helps to guide the saw.

- 001004 Orthopaedic Hard Back Saw

Adjustable Bone Saw



Useful for completing/squaring off the osteotomy, this saw comes complete with five, fine chrome plated blades. Blade length is adjustable from 40mm to 100mm. Handle length 130mm. Blade length 155mm.

- 001000 Adjustable Bone Saw c/w 5 Fine Blades

Osteotomes, Chisels & Gouges

Modular Osteotome With Ultra-Thin Interchangeable Blades & Diamond Rasp



PTFE osteotome handle which accepts a good range of blades plus a diamond rasp (not included in set). Blades are very thin (1.1mm) allowing fine cuts & reducing the incidence of breaking the block during block sulcoplasty procedures.

Replacement T wrench & retaining screw are also available.

- 001380 Modular Osteotome Complete With 7 Blades
- 001382 Modular Osteotome Replacement Blade 4mm
- 001390 Modular Osteotome Replacement Blade 5mm
- 001383 Modular Osteotome Replacement Blade 6mm
- 001384 Modular Osteotome Replacement Blade 8mm
- 001385 Modular Osteotome Replacement Blade 10mm
- 001386 Modular Osteotome Replacement Blade 12mm
- 001387 Modular Osteotome Replacement Blade 15mm
- 001388 Modular Osteotome Replacement Blade 20mm
- 001389 Modular Diamond Rasp 6mm
- TBHEX40 4.0mm T Bar Hex Driver
- 001380SCREW Spare Screw For Modular Osteotome Handle

Osteotomes - Swedish Pattern



Use an osteotome to make a precise elective cut, e.g. trochanteric osteotomy, excision arthroplasty.

- 623880 Osteotome Swedish 30mm 205mm Long
- 623870 Osteotome Swedish 25mm 205mm Long
- 623860 Osteotome Swedish 20mm 205mm Long
- 623850 Osteotome Swedish 15mm 205mm Long
- 623840 Osteotome Swedish 12mm 205mm Long

Osteotomes - Light Pattern



Use an osteotome to make a precise elective cut, e.g. trochanteric osteotomy, excision arthroplasty.

- 001341 Osteotome Light 15mm 140mm Long
- 001342 Osteotome Light 12mm 140mm Long
- 001343 Osteotome Light 10mm 140mm Long
- 001344 Osteotome Light 8mm 140mm Long
- 001345 Osteotome Light 6mm 140mm Long
- 001346 Osteotome Light 4mm 140mm Long

'Stubby' Osteotome



Available from 3mm to 14mm & as a set at a significantly discounted price. 70mm long

- 001366 'Stubby' Osteotome 3mm 70mm Long
- 001367 'Stubby' Osteotome 4mm 70mm Long
- 001368 'Stubby' Osteotome 6mm 70mm Long
- 001369 'Stubby' Osteotome 8mm 70mm Long
- 001370 'Stubby' Osteotome 10mm 70mm Long
- 001371 'Stubby' Osteotome 12mm 70mm Long
- 001372 'Stubby' Osteotome 14mm 70mm Long
- 0013SET 'Stubby' Osteotome Set (One Of Each)

Chisels Swedish Pattern



Use a chisel where heavier bone removal is required, e.g. sequestrum removal.

- 162340** Chisel Swedish Pattern 12mm 205mm Long
- 162350** Chisel Swedish Pattern 15mm 205mm Long
- 162360** Chisel Swedish Pattern 20mm 205mm Long
- 162370** Chisel Swedish Pattern 25mm 205mm Long

Chisels



Use a chisel where heavier bone removal is required, e.g. sequestrum removal.

- 001350** Chisel 12mm 140mm Long
- 001351** Chisel 10mm 140mm Long
- 001352** Chisel 8mm 140mm Long
- 001353** Chisel 6mm 140mm Long
- 001354** Chisel 4mm 140mm Long

Gouges



Use a gouge where bone contouring is essential.

- 001355S** Gouge 12mm 140mm Long
- 001355** Gouge 12mm 205mm Long
- 001356** Gouge 10mm 140mm Long
- 001357** Gouge 8mm 140mm Long
- 001358** Gouge 6mm 140mm Long
- 001359** Gouge 4mm 140mm Long

Orthopaedic Mallet



For use with osteotomes, chisels, gouges & staples. Different weights are available according to surgeon preference & patient size.

- 001323** Mallet 140g 155mm Long
- 001320** Mallet 300g 220mm Long
- 001321** Heavy Mallet 500g 240mm Long
- 001325** Nylon Faced Mallet 500g 240mm Long
- 001326** Nylon Faced Mallet 300g

Volkman Bone Scoop



Useful for heavy curettage & collection of cancellous bone grafts.

- 782200** Volkman Single Ended Scoop 4mm 170mm Long
- 782205** Volkman Single Ended Scoop 3mm 170mm Long
- 782210** Volkman Single Ended Scoop 5mm 170mm Long
- 782220** Volkman Single Ended Scoop 6mm 170mm Long
- 782600** Volkman Double Ended Scoop Small 4mm/6mm 200mm Long
- 782610** Volkman Double Ended Scoop Medium 5mm/6mm 200mm Long
- 782620** Volkman Double Ended Scoop Large 6mm/8mm 200mm Long

Trephine



Stainless steel & re-usable with a retractable stylet. Extend the stylet to provide secure location at the trephine site until trephine teeth bite. Withdraw the stylet to harvest the bone. Push the bone core out using the stylet. Where a very long core is required the stylet may be removed completely.

- Creation of window for bone graft harvest.
- Cortical bone biopsy.

001425	Trephine 8mm o/d 6mm Core 170mm Long
001426	Trephine 6mm o/d 4mm Core 115mm Long
001427	Trephine 5mm o/d 3mm Core 115mm Long

Vi Pattern Orthopaedic Distractor



Application:

- Overcoming muscle contraction prior to fracture reduction
- Accurate alignment of bone fragments prior to plating

Features:

- Locking wing nuts fix the distractor as a scaffold for the bone fragments to facilitate plating
- Three joints maximise flexibility
- Use with external fixation pins 3.2mm to 4.0mm

001500	Vi Pattern Orthopaedic Distractor 330mm Long
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Small Distractor With Ratchet



The Small Ratcheted Distractor uses 1.5 or 1.6 'K' or 'A' wires as distraction pins. The pins are driven into place through the tubes on the distractor arm. Threaded pins may be used for additional security. Squeezing the arms of the distractor separates the pins & thus the bone fragments & the ratchet holds them in the new position. Range of distraction 12mm - 60mm.

001503	Small Distractor With Ratchet 185mm Long
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Bone Scribe



A very sharp marking point with an easy to hold handle enables the surgeon to mark bone prior to cutting or rotating (Slocum procedure). One end is pointed & the other is sharpened as a blade.

001494	Bone Scribe (Double Ended) 200mm Long
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Measuring Devices

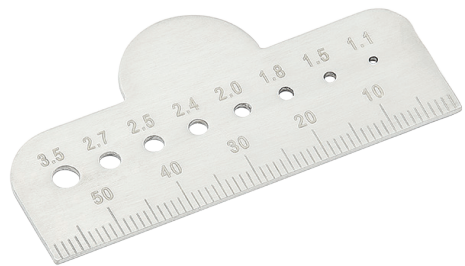
Stainless Vernier Caliper



Useful for very accurate measurement of screws, drill bits & bone intra-operatively. Supplied with full instructions for use. Accurate to 0.1mm.

001490	Vernier Caliper Stainless Steel
001490D	Digital Vernier (Non Autoclavable)

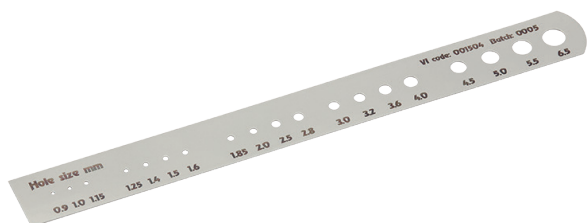
Drill & Screw Gauge



Measures screws up to 60mm & drills from 1.1mm to 3.5mm.

001496 Drill and Screw Gauge 60mm Long

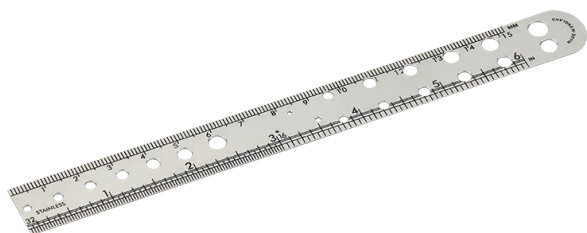
Vi Metric Ruler



Metric ruler covering commoner drill, screw & wire sizes.

001504 Metric Ruler - Vi

Imperial Ruler



Used to measure pins, wires, drills & screw diameter.

001498 Orthopaedic Ruler Imperial 175mm Long

Radiographic Aids Xray Marker With Scale



A reliable scale is very important, regardless of the system used, particularly when submitting radiographs for an opinion. Left/right markers are essential. A flexible stand is also available allowing this combined marker to be positioned at the same level as the area of interest to improve accuracy.

XRAYMARKI Xray Marker With Scale Set Left & Right
XRAYHOLDI Xray Marker Stand

Radiographic Reference Ball



Reduce scaling errors when templating for implants or examining structures, using digital or analogue systems. Using a spherical object as a reference eliminates errors created by ruler orientation which might not be quite parallel with the plate.

Supplied on a stable base with a flexible neck, allowing positioning at the same level as the area of interest.

XRAY25MM Radiographic Reference Ball 25mm Diameter
XRAY10MM Radiographic Reference Ball 10mm Diameter

Implant Cutters

Select implant cutters to suit the type & size of implant to be cut, & the position of the implant. Using hacksaws is best avoided as far as possible – due to the work hardening characteristic of stainless steel & titanium, the harder you work the harder it is to cut. Intramedullary pins & K/A wires are already hardened during production so are even tougher.

Designs & finish of cutter:

Surgical finish stainless steel with TC inserts – suitable for appropriate sizes of hard wires. Can be used for appropriate sizes of cuttable plate.

Also for cutting fish hooks!

Industrial finish – strong & cheaper than surgical finish, but not long lasting due to corrosion.

Side cutting – standard pattern straight cutters.

Close cut – end cutting. For smaller pins only. Harder to cut long sections but allow cutting close to the bone.

Safety cutters – leave a blunt end with no snags, but leave a longer stub. Best for ex fix pins.

Compound action – more expensive but make cutting pins easier.

Prolong the life of your pin cutter by not cutting at the tip – as tungsten carbide is brittle, it is prone to break when cutting at the very tip, where it is less well supported by the stainless jaw.

Implant Cutter Selection Chart

Maximum Pin Size	Code	Description
1.5mm	001230	Implant Cutter to 1.5mm
	001238	Implant Cutter to 1.5mm Close Cut
1.6mm	001247	Safety Shear Cutter to 1.6mm Close Cut
	001237/2	Implant Cutter to 1.6mm
2.0mm	001235	Industrial Finish Implant Cutter to 2.0mm
	001237/1	Implant Cutter to 2.0mm 255mm
2.2mm	001246	Implant Cutter to 2.2mm Oblique Jaw
	001237	Implant Cutter to 2.2mm
2.5mm	001236	Implant Cutter to 2.5mm Close Cut
3.0mm	001228	Implant Cutter to 3.0mm
4.0mm	001234	Implant Cutter to 4.0mm
	001231/A	Implant Cutter to 4.0mm Detachable Handles
	001233	Implant Cutter to 4.0mm Industrial Finish
	001231	Implant Cutter to 4.0mm Compound Action
	001229	Safety Cutter to 4.0mm
6.0mm	001232	Implant Cutter to 6.0mm Industrial Finish
	001231VL	Implant Cutter to 6.0mm Compound

Implant Cutter Surgical Finish To 1.5mm Capacity



Implant Cutter Surgical Finish to 1.5mm Capacity, 150mm Long

001238 Implant Cutter Stainless To 1.5mm Capacity
Close Cut 150mm Long

Implant Cutter Surgical Finish To 1.5mm Capacity



Small lightweight implant cutter. Max capacity 1.5mm. Also suitable for 1mm cuttable plate range. For light use only.

001230 Implant Cutter Stainless To 1.5mm Capacity 170mm Long

Implant Cutter Industrial Finish To 2.0mm Capacity



Implant Cutter Industrial Finish to 2.0mm Capacity, 165mm Long.

001235 Implant Cutter Stainless to 2mm Capacity 165mm Long

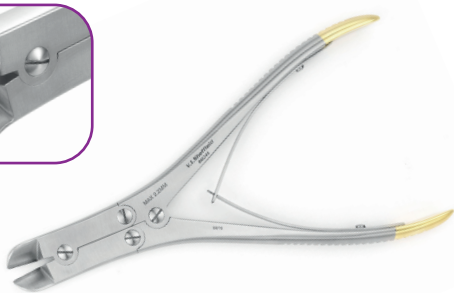
Implant Cutter Surgical Finish To 1.6mm Capacity - Shear Action End Cutting



An efficient shearing action that produces a square end to a cut pin rather than the more typical sharp edge. The jaws catch the loose pin end preventing it from flying off. This cutter cuts pins to 1.5mm below the face of the cutter. Also useful for cutting cerclage wire cleanly. TC Jaws.

001247 Implant Cutter Stainless To 1.6mm Capacity 220mm Long Shear Action End Cutting

Implant Cutter Surgical Finish To 2.2mm Capacity - Oblique Jaws



Similar to 001237, but with oblique jaws favoured by many surgeons. Tungsten Carbide jaws.

001246 Implant Cutter Stainless Steel Cuts To 2.2mm Capacity 170mm Long Oblique Jaw Stainless Steel

Implant Cutter Surgical Finish To 2.2mm Capacity

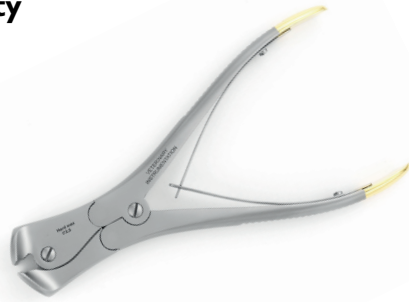


Implant Cutter Surgical Finish to 2.2mm Capacity, TC Jaws, Sprung Compound Action, 230mm Long.

Very useful for A & K wires, & cuttable plates. Recommended.

001237 Implant Cutter Stainless Steel Cuts To 2.2mm Capacity 230mm Long

Implant Cutter Surgical Finish To 2.5mm Capacity



Implant Cutter Surgical Finish to 2.5mm Capacity, TC Jaws End Cut, Sprung Compound Action, 230mm Long.

001236 Implant Cutter Stainless Steel Close Cut Cuts To 2.5mm Capacity 230mm Long

Implant Cutters Surgical Finish To 3mm Capacity



Implant Cutter Surgical Finish to 3mm Capacity, TC Jaws, Sprung Compound Action, 255mm Long.

001228 Implant Cutter Stainless To 3mm Capacity 255mm Long

Implant Cutter Surgical Finish To 4mm Capacity Detachable Handles



Overall length with handles in situ is 485mm. Strips down to 270mm long when handles are detached to fit many smaller autoclaves such as Little Sister Type.

001231/A Implant Cutter Stainless To 4mm Capacity Detachable Handles

Implant Cutter Surgical Finish To 4mm Capacity



Implant Cutter Surgical Finish to 4mm Capacity, TC Jaws, Compound Action, 490mm Long.

Suitable for long chamber autoclaves.

001231 Implant Cutter Surgical Finish To 4mm Capacity
TC Jaws Compound Action 490mm Long

Safety Cutter Surgical Finish To 4mm Capacity



Safety implant cutter which leaves a smoother cut end than a conventional cutter. Very useful for external fixation pins. Cut end is temporarily retained within the head rather than flying off.

Maximum capacity 4mm. Cuts 5mm below the face of the cutter.

Telescopic handles reduce the overall length from 470mm to 340mm to fit most autoclaves. Head strips for cleaning.

001229 Safety Cutter Stainless Steel Cuts To 4.0mm Capacity 340mm Long

Implant Cutter Industrial Finish To 4mm Capacity



001233 Implant Cutter Industrial Finish To 4mm Capacity 350mm Long

Please note - autoclaving of industrial finish implant cutters may cause cosmetic damage to handles.

Implant Cutter Surgical Finish To 6mm Capacity



Highest capacity implant cutter stocked. Will not fit most autoclaves as they are 560mm long – suggested to use chemical sterilant on the ends & operate by an unscrubbed assistant.

001231VL Implant Cutter Stainless To 1/4" 6mm Capacity TC Jaws
Compound Action 560mm Long

Implant Cutter Industrial Finish To 6mm Capacity



001232 Implant Cutter Industrial Finish to 1/4" 6mm Capacity 460mm Long

Pin & Wire Extraction Pin Grip



For the removal of temporary fixation pins. Narrow jaws allow access via a small incision, with a groove in the jaw to locate the pin. Jaws can be locked in position once the pin is located, to aid removal.

- 001241 Pin Grip (Stainless Steel) Modified Jaw 175mm Long
- 001242 Pin Grip (Industrial Finish) 165mm Long

Dental Forceps For Pin & Wire Extraction



For pin, wire & screw extraction. Grooved tips come to a point, allowing work in confined spaces & close to bone with a reduced surgical approach. Anatomical handles & cranked jaws for ease of use.

- 001248 Dental Forceps for Pin & Wire Extraction

Parallel Action Pliers



Useful for bending, holding & cutting small pins & wires. Used in conjunction with bone plate benders for contouring smaller plates. Will cut arthrodesis & 'K' wires to a maximum of 2.0mm with care.

The industrial version will stain & rust with autoclaving – lubricate well to reduce, & store dry.

- 001290 Parallel Action Pliers (Stainless Steel) 170mm
- 001291 Parallel Action Pliers (Industrial Finish) 165mm

Wire Contouring Pliers



Use to contour both soft & hard wires. The jaw design has multiple anvil shapes & a pair of soft wire cutters.

- 001245 Wire Contouring Pliers 150mm Long

'K' Wire/'A' Wire Extraction Forceps



Designed to firmly grip wires 0.9mm to 2.0mm. Tungsten Carbide jaws maximise grip, fine nose minimises trauma to surrounding tissue.

- 001244 'K' Wire/'A' Wire Remover - 140mm Long

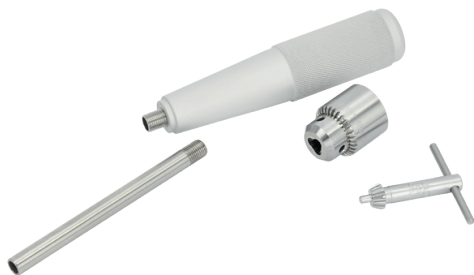
Small Pin Vice



This Small Pin Chuck holds wires & instruments up to a diameter of 1.0mm. Particularly useful for fingertip control over insertion of Arthrodesis & 'K' Wires.

- 001223 Small Pin Vice 100mm Long

Jacobs Chuck



Standard instrument for intramedullary pin insertion.

Pin capacity Standard Chuck up to 1/4" (6mm)
Small Chuck up to 5/32" (4mm)

Standard chuck will grip small pins, but is heavier in use.

Clean thoroughly & lubricate well, opening & closing jaws fully during cleaning procedure to maintain in good condition.

001220	Small Jacobs Chuck with Handle 5/32" Capacity 260mm
001605S	Replacement 5/32" Chuck (& Key) Only - No Handle
001606S	Spare Key For 5/32" Chuck
001221	Standard Jacobs Chuck with Handle 1/4" Capacity
001605	Replacement 1/4" Chuck (& Key) Only - No Handle
001606	Spare Key For 1/4" Chuck

Wire Passers



Wire passers are designed to direct cerclage wire around long bones with minimal trauma, helping reduce devascularisation of fragments. Soft tissue attachments should be preserved as far as possible.

001250	Wire Passer Double-Ended 145mm
001252	Wire Passer Single-Ended 20mm Diameter 205mm
001253	Wire Passer Single-Ended 30mm Diameter 220mm
001254	Wire Passer Single-Ended 40mm Diameter 250mm
001256	Wire Passers Single-Ended Set Of 3 (As Above)
001257	XXL Wire Passer Single-Ended 55mm Diameter

Strong Cerclage Wire Passers



Low profile open channel wire passers, designed to allow easier passage around & between bones. Can be left in situ as wire is tightened, reducing risk of slippage. Wire can be passed from tip or handle. With a flat internal tip to assist close passage around the bone.

Designed by David Strong MRCVS.

Sizes: Small 12.5mm/15mm, Medium 20mm/25mm, Large 30mm/40mm.

CWPSM	Strong Cerclage Wire Passer Small
CWPMD	Strong Cerclage Wire Passer Medium
CWPLG	Strong Cerclage Wire Passer Large
CWPSET	Strong Cerclage Wire Passer Set Of 3

Lesser Wire Passer/Retrieval Forceps



Really useful forceps which combine the function of a tissue protector drill guide with a method of capturing the wire on the blind side of the procedure. The open sided guide tube is toothed to minimise drill skate.

Commonest applications include hemi-cerclage & passage of lateral sutures through the tibial crest.

Original design by Arnie Lesser

001268	Lesser Wire Passer/Retrieval Forceps 150mm Long
001269	Lesser Wire Passer/Retrieval Forceps Large 190mm Long

Cerclage Wire Twisters & Tighteners

Cerclage wire used as part of a fracture repair can be useful, but is challenging & not without issues. Loose or broken wires interfere with fracture healing & can contribute to delayed & non-unions. Loops give a more secure construct with no large knot.

Basics of cerclage:

- only apply to a fracture that is fully reconstructable i.e. no comminution
- only apply to oblique or spiral fractures; the length of the fracture should be at least twice the diameter of the bone
- place a minimum of two cerclage wires, & more if fracture length allows
- cerclage wires should be spaced about 1cm apart

Orthopaedic Wire Kit



Cerclage wire can be a very useful means of fragment fixation. Kit containing our most popular cerclage instruments & a roll of wire, discounted over component price.

Kit contains:

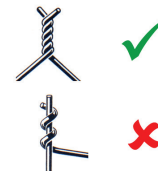
001260	Wire Twister	x1
001256	Set Of 3 Single Ended Wire Passers	x1
OW1010	10m Roll Of 1.0mm Orthopaedic Wire	x1

OWKIT Orthopaedic Wire Kit

Wire Twister/Shear Cutter



- Jaws lock onto wire to enable easy twisting under tension for kink-free cerclage. The wire must be twisted under tension to create an even spiral
- Improved design, long life shear action cutter will cut 18 gauge (1.2mm) wire twisted double
- Serrated jaws grip & turn cut ends. Jaws have fenestration for extra grip
- Not designed to cut 'A' + 'K' Wires, Pins or fish hooks.
- Available with Tungsten Carbide Jaws for extra grip (not fenestrated)



- 001260** Wire Twister/Shear Cutter 165mm Long
- 001261** Wire Twister/Shear Cutter - Tungsten Carbide Jaws 165mm Long

Wire Twister/Spinner



A surgical version of a wire twisting plier used by aero mechanics & scaffolders. The spinner is based on the principle of a slow spiral being pulled through a threaded boss to create a rotational moment. The jaws are clamped onto the two strands of wire. Pulling the spinner places tension & twists the wire evenly.

001265 Wire Twister/Spinner 250mm Long

Wire Tightener For Eyed Wires



Used to tension eyed wires very tightly. The cerclage is finished by kinking the wire back against the eye.

001262 Wire Loop Tightener 125mm Long

Wire Tightener With Two Cranks For Double Loop Cerclage & Eyed Wire



Use with single crank for eyelet wires. Use both cranks to tighten double loops.

001264 Wire Tightener With Two Cranks 285mm Long

Plaster Cutting Engels Plaster Saw



A simple cast saw for removal of plaster casts. Quiet & inexpensive.

001510 Engels Plaster Saw 145mm Long



Simple action serrated jaw. Very robust & comfortable to use. Very efficient for removing bandages.

161405 Plaster Shears Bruns/Bohler 245mm Long

Plaster Spreaders



Cast spreader scaled to veterinary patients, to expand the initial cut made to remove a cast.

161410 Plaster Spreaders 230mm

Plaster Shears Stille



Very powerful compound action.

161406 Plaster Shears Stille 245mm Long

Biopsy Needles

Biopsy Needle	Patient Body Weight	Needle Gauge
Bone Marrow	<5kg	18g
	5 - 15kg	15/16g
	15-30kg	13g
	30 - 50kg	11g
	>50kg	8g
Cortical Bone	<5kg	11g
	5 - 15kg	8g
	>50kg	Trephine

Biopsy Needles - Bone Bone Marrow Biopsy - Jamshidi Type

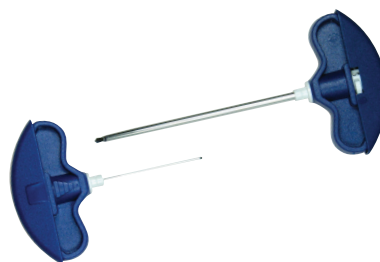
In the Jamshidi Type Needle the integral stylet locks into the lumen of the needle preventing obstruction by debris. When the needle tip is in the desired location the stylet is removed & the sample aspirated.

The 11 gauge needle with the stylet removed may be used to take a 1.5mm approx. core of bone from tumours for typing (see also Bone Trephines).



- 012504** Bone Marrow Biopsy Jamshidi 18g (Disp) Baxter Illinois
- DIN1515X** Bone Marrow Biopsy Jamshidi 15g (Disp) Baxter Illinois
- DJ4011** Bone Marrow Biopsy Jamshidi 11g (Disp) Baxter Illinois
- DJ4008** Bone Marrow Biopsy Jamshidi 8g (Disp) Baxter Illinois

Vi Jamshidi Type Range



Designed as a cost effective version of the Baxter Needles (below left), takes both marrow & core samples. Drive into a suitable site (wing of ilium, tuber ischium, proximal femur), pull back a little, withdraw stylet & aspirate. If there is no aspirate, replace stylet, push in further & repeat. Manufactured to our specification, these needles represent excellent value.

- BMBJV16** Vi Jamshidi Type Disposable 16g
- BMBJV13** Vi Jamshidi Type Disposable 13g
- BMBJV11** Vi Jamshidi Type Disposable 11g
- BMBJV8** Vi Jamshidi Type Disposable 8g

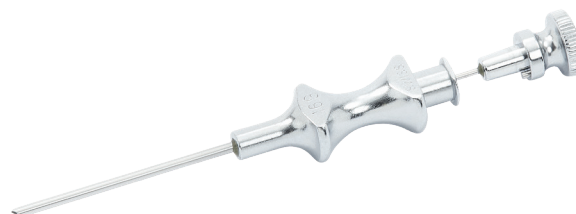
Bone Marrow Biopsy - Klima Type



The Klima is stainless & re-usable representing good value. The stylet is retained in position by hand. Practically, the use of the needle is not as easy as the Jamshidi Type.

- 012508** Bone Marrow Biopsy Klima 18g x 25mm
- 012507** Bone Marrow Biopsy Klima 16g x 25mm
- 012503** Bone Marrow Biopsy Klima 16g x 37mm
- 012498** Bone Marrow Biopsy Klima 22g x 25mm

Bone Marrow Biopsy - Rosenthal



Similar to Klima. Stylet does not lock into position.

- 012509** Bone Marrow Biopsy Rosenthal 16g x 35mm

Table Top Stand For Hanging Limb Preparation

Suspension of a limb can provide significant benefits in both arthroscopy & other orthopaedic procedures. The shoulder joint is distracted & 360 degree access becomes available. Height 1.2m (48") Our limb suspension stand was re-designed to give greater table-top stability. A cleat for tying off limb suspension ropes has been added & the shaft can be dismantled for storage.



R463 Tabletop Stand For Hanging Limb Preparation

Multi Arm With Limb Brace Attachment

Safety need not be compromised to obtain accurately positioned radiographs. The Multi Arm can replace the human hand in the positioning & holding of limbs for both radiography, surgery & arthroscopy. Also useful for hands free positioning of bronchoscopes & gastroscopes.

- Use cohesive bandage to attach limb
- Three joints allow positioning at any angle
- A single knob locks all three joints rigid
- Clamp fixes device to virtually any operating or X-ray table
- Double limb support (for hip radiographs) available as an option
- As described by Kurt Schulz in Veterinary Surgery



- 026000** Multi Arm - 'Improved' Version Includes Single Limb Support
020062 Double Limb Support
020065 Limb Brace Attachment For Multi Arm
MULTIARMSET Multi Arm Set (As Above)

Dressing & Support

Thera-Paw



Thera-paw acts as a reusable bandage with a protective base.

Key Thera-Paw Features:

- Ultra-cushioned sole alleviates pain, reducing lameness & promoting more even weight distribution
- Use of perforated top-sole material & cut-out design allow the paw to breathe & keeps the injured site free from moisture build-up
- Rubberized, non-skid base & toe-cap are waterproof, protect the site from further injury, & provide better traction
- Vertical closure design runs parallel to the carpal/tarsal bones, dispersing pressure over a wide area
- Thera-Paw is easily cleaned by rinsing it under warm water. Mild detergent may be used. It air dries in under 1 hour, & is ready for immediate reapplication
- Front opening & closing mechanism makes it easy to slip Thera-paw into place
- Outer safety strap provides additional security, to ensure that Thera-paw stays on even the most active dogs
- Dual closing mechanism reduces the risk that a dog can remove the garment

200002	Thera-Paw Small (T/B)
200003	Thera-Paw Small/ Medium (T/C)
200003#2	Thera-Paw Small/ Medium#2 (T/D)
200004	Thera-Paw Medium (T/E)
200005	Thera-Paw Medium/ Large (T/F)
200006	Thera-Paw Large (T/G)
2000SET	Thera-Paw Set Of 6 (As Above)

Medipaw[®] Protective Boot

Waterproof, breathable, facilitates compliance, reduces rewraps, saves resources. Available in eight colour coded sizes.



A professional waterproof but breathable cover for dressings & casts. Available in colour coded sizes, they have a durable no-skid bottom, & elasticised straps with Velcro closures as well as an upper cord lock.

200015	Medipaw Boot Hard Sole Extra Small Wide - Orange
200020	Medipaw Boot Hard Sole Extra Small - Yellow
200031	Medipaw Boot Hard Sole Extra Small #2 - Pink
200025	Medipaw Boot Hard Sole Small - Blue
200030	Medipaw Boot Hard Sole Medium - Red
200035	Medipaw Boot Hard Sole Large - Green
200037	Medipaw Boot Hard Sole Large Wide - Grey
200040	Medipaw Boot Hard Sole Extra Large - Purple
200091SET	Medipaw Boot Hard Sole Set Of 5 - XS, S, M, L, XSW (Extra Small Wide)
200097	Medipaw Boot Soft Sole Extra Small Wide - Orange
200093	Medipaw Boot Soft Sole Extra Small - Yellow
200092	Medipaw Boot Soft Sole Extra Small #2 - Pink
200094	Medipaw Boot Soft Sole Small - Blue
200095	Medipaw Boot Soft Sole Medium - Red
200096	Medipaw Boot Soft Sole Large - Green
200099	Medipaw Boot Soft Sole Large Wide - Grey
200098	Medipaw Boot Soft Sole Extra Large - Purple
200090SET	Medipaw Boot Soft Sole Set Of 5 - XS, S, M, L, XSW (Extra Small Wide)

Medipaw® Slim Boot



Superior open-wound healing for dogs & cats. Medipaw® Slim — the protective veterinary boot with a soft, antimicrobial bamboo & silver lining.

Indicated for dog & cat open-wound treatment:

- Burns
- Degloving
- Excessive licking & irritation
- Hot spots
- Lick granulomas
- Punctures

Medipaw Slim Boot Features:

- Machine washable/hang dry
- Durable, non-skid, rubber sole
- Upper drawstring closure
- Adjustable elastic/secure Velcro® straps
- Reflective strap
- Waterproof/breathable nylon shell
- Scuff guard

MDS-XS	Medipaw Slim Boot Extra Small - Yellow
MDS-S	Medipaw Slim Boot Small - Blue
MDS-M	Medipaw Slim Boot Medium - Red
MDS-L	Medipaw Slim Boot Large - Green
MDS-XL	Medipaw Slim Boot Extra Large - Purple
MDS-STR	Medipaw Slim Boot Starter Pack Set Of 3 - S, M, L

Medipaw Protective Suit For Dogs & Cats



From the manufacturers of the popular Medipaw protective boot comes a new addition to the patient protection range.

The Medipaw suit is available in a range of sizes to fit dogs & cats. The suit is a 2 piece design, which makes fitting & removing easier. The two parts have an easy Velcro closure. The top gives full coverage of the thorax.

Indications for use are many. This suit can be used as an alternative to an Elizabethan collar to discourage post-operative interference with wounds, to reduce the incidence of tick infestation, to protect drain tube sites, during the treatment of skin conditions etc. An alternative use for the Medipaw Protective Suit is in the management of anxiety in dogs.

Features include a wide opening for litter tray use, a port opening, & internal pockets in both top & bottom parts which can take ice packs to relieve swelling or pads for absorption.

Machine washable, the suit is made of 95% cotton, 5% Lycra.

Colour coded stitching & logo indicate size, for easy recognition & re-ordering.



SUITPSS-XXS	Two Piece Suit XXS	Pink
SUITPSS-XS	Two Piece Suit XS	Yellow
SUITPSS-S	Two Piece Suit S	Blue
SUITPSS-S+	Two Piece Suit S+	Orange
SUITPSS-M	Two Piece Suit M	Red
SUITPSS-L	Two Piece Suit L	Green
SUITPSS-XL	Two Piece Suit XL	Purple
SUITPSS-S-CAT	Two Piece Suit S Cat	Blue
SUITPSS-M-CAT	Two Piece Suit M Cat	Red
SUITPSS-L-CAT	Two Piece Suit L Cat	Green
SUITSETI	5 Protective Suits Cat M, Dog XXS, S, M, L & Free Display Dog	



The Joint Surgery chapter, like our General Surgical Instrumentation & Internal Fixation chapters, outlines more of our core product ranges within our wider product assortment.

With TPLO & TTA surgery continuing to be two of the most popular surgical procedures, our range in both is comprehensive & popular with end users.

Within this chapter you will also find products for patella luxation, Meniscus Surgery Sets & products for a range of approaches to Cranial Cruciate Ligament repair.



To view the Joint Surgery chapter of our website, scan the QR code below.



Vi Locking TPLO Starter Kits

Our range of TPLO kits are an excellent way to obtain the appropriate equipment which enables you to complete the TPLO procedure. Our range of kits come with or without a Veterinary specific battery Powered Surgical Power Tool.

We have now also launched a smaller locking kit due to the trend of smaller dog breeds requiring this type of surgery.



Vi TPLO Starter Kit with No Power Equipment contains:

- 001492 Slocum Type Rotation Gauges 5mm To 15mm x1
- 001494 Bone Scribe (200mm Long) x1
- ACETATE7 Acetate Plate Profiles TPLO Plates x1
- BRTPLO Step By Step Guide To TPLO By Radial Cut x1
- TPLO32 Slocum Guide 3.2mm (1/8") x 125mm Pins For TPLO 25mm Thread x10
- TPLOJIG TPLO Basic Jig x1
- TPLOROT TPLO Rotation Chart x1
- TPLOVI18 TPLO Blade Vi Pattern 18mm x1
- TPLOVI21 TPLO Blade Vi Pattern 21mm x1
- TPLOVI24 TPLO Blade Vi Pattern 24mm x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Right x1
- VILTPLO35BL4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Left x1
- VILTPLO35BR4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Right x1
- VILTPLO35L3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Left x2
- VILTPLO35R3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Right x2

VILTPLOKITNP Vi TPLO Locking Starter Kit With No Power Equipment

Vi TPLO Starter Kit with Vi Battery Powered TPLO Saw has the same components as the VILTPLOKITNP plus:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1

VILTPLOKITBAT Vi TPLO Locking Starter Kit With Battery Saw Power

Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates contains the same core components but a smaller range of plates & blades plus the TPLO Saw:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1
- TPLOVI12 TPLO Blade Vi Pattern 12 mm x1
- TPLOVI15 TPLO Blade Vi Pattern 15 mm x1
- VILTPLO15L3 Locking TPLO Plate For 1.5mm Screws Left x1
- VILTPLO15R3 Locking TPLO Plate For 1.5mm Screws Right x1
- VILTPLO20L3 Locking TPLO Plate For 2.0mm Screws Left x1
- VILTPLO20R3 Locking TPLO Plate For 2.0mm Screws Right x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws Right x1

VILTPLOKITBATXS Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates

Coming Soon!

In 2022 we are launching the new Modular Storage Concept for TPLO. To be the first to receive details of this new offering, please scan the QR code below & register.



Meniscus Surgery

Meniscus Surgery Set



Management of meniscal injuries has three phases all of which will require special instrumentation.

- Exposure of the meniscus, particularly the caudal horn of the medial meniscus. This will require that the tibia is advanced & distracted relative to the femur.
- Examination of the meniscus for lesions. A visual examination is not enough. The surface of the meniscus should be probed for defects & tears. The circumferential attachments should be checked for security.
- Lesions discovered must be managed by debridement or meniscal release.

The Meniscus Surgery Set includes all the essential instruments for the examination & management of meniscal injuries in a stainless steel autoclave case. Purchased as a set there are significant savings.

- Standard Stifle Distractor
- Hohman Retractor 8mm
- Meniscus Probe 1mm
- MicroToothed Halsteads
- Beaver Type Scalpel Handle
- 25 x No 65 Blade (mini no 11)
- Stainless Case
- Silicone Protective Insert

001116 Meniscus Surgery Set

The Enhanced Meniscus Surgery Kit contains all the instruments in the standard kit, plus a small Stifle Joint Distractor (001113), a Push knife (AR-17-11X) & a Pull Knife (AR-17-19X).

The small Stifle Joint Distractor is also useful as small local muscle & tissue retractors in & around canine joints e.g. elbow exploration. Extends the use of the kit to smaller patients.

001117 Meniscus Surgery Set - Enhanced

Sterile CCL Packs

Sterile Leader Line + Crimp + Needle

Procedure packs containing suture, swaged on needle & crimp.

- 091155** 50lb Nylon Line x 500mm On Swaged-On V. Small Fabella Needle + 10mm Crimp (Sterile)
- 091156** 80lb Nylon Line x 800mm On Swaged-On Small Fabella Needle + 12mm Crimp (Sterile)
- 091157** 100lb Nylon Line x 800mm On Swaged-On Medium Fabella Needle + 12mm Crimp (Sterile)

TTA Starter Kit



The TTA Starter Kit includes

Instruments

- TTA Drill Guide (4 Hole)
- TTA Drill Guide (8 Hole)
- TTA Fork Holder
- TTA Spreader + Inserts
- TTA Plate Bender
- TTA 2.4 Cross Head Screwdriver
- TTA Plate & Fork Overlay
- TTA Mallet
- Depth Gauge
- TTA Cage Forceps
- Block End Serrated Dissecting Forceps
- 2.5 Hex Head Screwdriver & Sleeve
- Premium Equipment Box
- 1.8mm, 2.0mm, 2.5mm Drill Bits - Hard

Implants

- One of each Cage (3, 4.5, 6, 7.5, 9, 10.5 & 12mm)
- One of each Fork
- One of each Plate
- 2.4mm Self Tapping Screws 12mm – 38mm 4 of each
- 2.7mm Self Tapping Screws 12mm – 28mm 3 of each
- 3.5mm Self Tapping Screws 16mm – 36mm 3 of each

The TTA Starter Kit gives a good saving over component price.

TTAPREM TTA Starter Kit In A Premium Aluminium Box

CBLO Implant Set

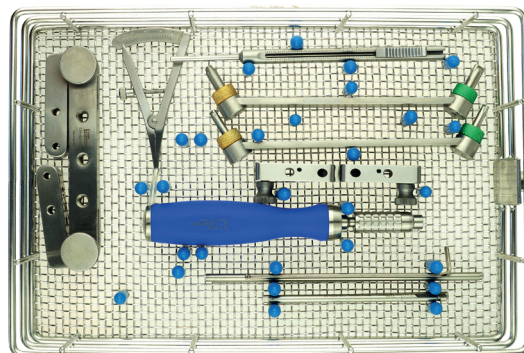


The CBLO Implant Set contains:

- 1x CBLO Implant Tray
- 1x Screwrack CBLO 2.7
- 1x Screwrack CBLO 3.5
- 2x of each CBLO Plate
- 3x of each Self Tapping Screw (16-34mm)
- 5x of each 2.7 Locking Screw (16-46mm)
- 5x of each 3.5 Locking Screw (16-60mm)

CBLO142400010 CBLO Implant Set

TPLO/CBLO Instrument Set



The TPLO/CBLO Instrument Set contains:

- 1x CBLO Instrument Tray
- 2x Drills (2.0 & 2.5mm)
- 3x 2 K-Wires (1.0, 2.5 & 3.0mm)
- 2x 2 Locking Drill Guides
- 2x TPLO Jigs
- 1x Screwdriver Handle
- 1x Screwdriver Shaft
- 1x Depth Gauge
- 1x Castroviejo Caliper
- 2x Compression Drill Guides

CBLO142400020 TPLO/ CBLO Instrument Set

TTA Rapid Starter Kit

Instrument & selected implant set, supplied in basket type containers with dedicated racks. Implant set contains commonly used sizes as listed below.



The Kit contains:

Instrument Tray - Complete with new L-Shaped Saw guide.

Implant Tray containing

6mm x 16mm Cage x1	10.5mm x 22mm Cage x1
7.5mm x 16mm Cage x1	10.5mm x 25mm Cage x1
7.5mm x 19mm Cage x1	12mm x 22mm Cage x1 (8 cages in total)
9mm x 19mm Cage x1	
9mm x 22mm Cage x1	

Screws

1x 8mm	4x 22mm	2x 34mm
2x 10mm	4x 24mm	2x 36mm
4x 12mm	4x 26mm	2x 38mm
4x 14mm	4x 28mm	1x 40mm
4x 16mm	4x 30mm	(54 Screws in total)
4x 20mm	4x 32mm	

2x 2.5ml Nanopaste

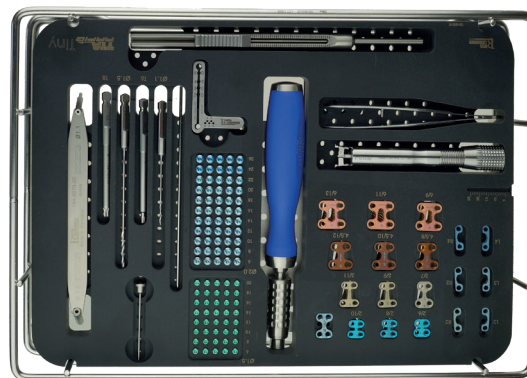
Starter Kit price is discounted by over 10% compared to component price.

- TTARNEWSTARTKIT** TTA Rapid Starter Kit
- TTARNEWPREMALL** TTA Rapid Premium Instrument & Implant Kit
- TTARNEWPREMIMP** TTA Rapid Premium Implant Kit
- TTARNEWPREMINST** TTA Rapid Premium Instrument Kit
- TTARI3250000/A** TTA Rapid Implant Tray Supplied Empty
- TTARI3250001/A** TTA Rapid Instrument Tray Supplied Empty.

Tiny TTA Rapid®

Tiny TTA RAPID is designed for tiny animals – especially cats, toy dogs & dogs with short legs needing a wide advancement. The tiny sawguide allows short osteotomies.

Tiny TTA Rapid Set



The Tiny TTA Rapid contains:

- 1 Sterilisation Tray with Lid
- 1 of each Tiny TTA Rapid Cage (12 total)
- 1 of each 2, 3 & 4mm Patella Spacer (6 total)
- 1 Rapid Luxation Plate Petite
- 5 of each 1.5mm Screw (6-20mm 40 total)
- 5 of each 2.0mm Screw (6-26mm 55 total)
- 1 Tibia Tappet Petite
- 1 Plate Holding Forceps
- 1 Tiny Sawguide with Pin & K-Wire
- 1 Depth Gauge
- 2 Drills (1.1 & 1.5mm)
- 2 Screw Driver Shafts (T6 & T8)
- 1 Screwdriver Handle
- 1 Drill Guide

TTARI32650000 Tiny TTA Rapid Set

TPLO Plates With Locking Screw Holes

Since the beginning of the millennium, locking plate technology has revolutionised TPLO surgery, more than any other surgical procedure.

Locking TPLO plates have made the procedure quicker & simpler with less dissection, less biological trauma, & osteotomy stability is much better. The risk of tibial tuberosity fracture & tibial plateau rock-back is much reduced.

TPLO locking plates use locking screws in the proximal tibial plateau segment & the plate is pre-contoured to match the shape of the proximal tibia. This means that the plate does not need to be contoured by the surgeon to the shape of the proximal tibia during surgery. This, saves time & avoids possible plate weakening caused by contouring.

The plate is designed so that the position & direction of the locking screws in the tibial plateau are angled distally away from the joint, & away from the osteotomy. This means that so long as the plate is placed correctly, intra-articular screw placement should be impossible. This is a major advantage as the potential for intra-articular screw placement is almost completely eliminated. To ensure this guarantee against intra-articular screw placement, the plate should not be contoured.

As locking plates do not rely on friction generated between the plate & the bone for stability, it is no longer necessary to elevate the soft tissues beneath the locking part of the plate (i.e. the medial buttress).

This is beneficial as removing the medial buttress involves unnecessary dissection, can be time consuming, causes bleeding, & could damage the medial collateral ligament damage with over-exuberant buttress removal.

As locking screws are angle stable, placement of locking screws in the tibial plateau segment means maximal stability of the tibial plateau. The chances of post-operative instability of the tibial plateau segment developing are minimised which is good as instability can lead to loss of osteotomy reduction, & increase in tibial plateau angle, known as "rock-back", to tibial tuberosity fracture.

Locking screws are very stable because of locking of the thread of the screw head into the thread of the plate hole i.e. metal to metal for these locking screws, the risk of stripping a screw in the soft cancellous bone of the tibial plateau is now impossible.

To use locking plates for TPLO surgery, a slightly expanded inventory of implants & equipment is needed. This includes:

- Locking TPLO plate
- Locking drill guide
- Drill bit appropriate to the core diameter of the locking screws (e.g. 2.8mm for a 3.5mm locking screw)
- Locking screws

Thus use of locking plates for TPLO surgery have numerous advantages but no real disadvantage. They are strongly recommended over non-locking plates.

Tips & tricks for locking TPLO plating:

- The TPLO procedure is performed in the normal way, except that soft tissue/medial buttress elevation in the proximal tibial plateau segment is not necessary
- Once the tibial plateau is rotated & the osteotomy is stabilised, the TPLO locking plate is applied to the tibia & positioned appropriately
- Use a K-wire or needle to probe & check the position of the joint so ensure that the plate is correctly positioned over the bone of the

tibial plateau, just distal to the stifle joint.

- In particular, check that the most proximal locking screw is over tibial plateau bone, just distal to the stifle joint.

Screw placement order:

1. In the distal tibial diaphysis segment, a single non-locking screw is placed to secure the plate to the bone
2. Using the locking drill guide, all the proximal locking screws are placed in the tibial plateau segment.
3. In the distal tibial diaphyseal segment, a non-locking screw is placed in axial compression mode using the compression guide to compress the osteotomy.
4. The remaining distal screws are placed; these may be either locking or non-locking screws, & depending on the plate configuration but, locking is more stable.
5. Before placement of locking screws in the distal tibial diaphysis segment, all non-locking screws must be fully tightened.



VILT PLO Plate Size	Bodyweight Guide
2mm	4 - 8kg
2.4mm	5 - 12kg
2.7mm	8 - 20kg
3.5mm	20 - 40kg
3.5mm Broad	40 - 80kg

Vi Locking TPLO Starter Kits

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- 001492 Slocum Type Rotation Gauges 5mm To 15mm x1
- 001494 Bone Scribe (200mm Long) x1
- ACETATE7 Acetate Plate Profiles TPLO Plates x1
- BRTPLO Step By Step Guide To TPLO By Radial Cut x1
- TPLO32 Slocum Guide 3.2mm (1/8") x 125mm Pins For TPLO 25mm Thread x10
- TPLOJIG TPLO Basic Jig x1
- TPLOTOT TPLO Rotation Chart x1
- TPLOV118 TPLO Blade Vi Pattern 18mm x1
- TPLOV121 TPLO Blade Vi Pattern 21mm x1
- TPLOV124 TPLO Blade Vi Pattern 24mm x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws 3 Holes Proximal Right x1
- VILTPLO35BL4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Left x1
- VILTPLO35BR4 Locking TPLO Broad Plate For 3.5mm Screws 4 Holes Proximal Right x1
- VILTPLO35L3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Left x2
- VILTPLO35R3 Locking TPLO Plate For 3.5mm Screws 3 Holes Proximal Right x2

VILTPLOKITNP Vi TPLO Locking Starter Kit With No Power Equipment

Vi TPLO Starter Kit with Vi Battery Powered TPLO Saw has the same components as the VILTPLOKITNP plus:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1

VILTPLOKITBAT Vi TPLO Locking Starter Kit With Battery Saw Power

Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates contains the same core components but a smaller range of plates & blades plus the TPLO Saw:

- VITPLOSAW Vi Battery Powered TPLO Saw C/W Charger & Batteries x1
- TPLOV112 TPLO Blade Vi Pattern 12 mm x1
- TPLOV115 TPLO Blade Vi Pattern 15 mm x1
- VILTPLO15L3 Locking TPLO Plate For 1.5mm Screws Left x1
- VILTPLO15R3 Locking TPLO Plate For 1.5mm Screws Right x1
- VILTPLO20L3 Locking TPLO Plate For 2.0mm Screws Left x1
- VILTPLO20R3 Locking TPLO Plate For 2.0mm Screws Right x1
- VILTPLO27L3 Locking TPLO Plate For 2.7mm Screws Left x1
- VILTPLO27R3 Locking TPLO Plate For 2.7mm Screws Right x1

VILTPLOKITBATXS Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates

VILTPO Locking TPLO Plates



Key design features:

- Contoured to the shape of the post TPLO proximal tibia
- The most proximal screw is placed just below the stifle joint but the locking hole is angled distally by 3° for the 3.5mm plate, 2.0° for the 3.5mm broad plate, 1.5° for the 2.7mm plate & 2.3° for the 2.4mm & 2.0mm plate, avoiding intra-articular placement
- 3-4 proximal locking screws provide maximal screw security in soft cancellous bone of the tibial plateau
- Medial buttress removal is not necessary because of the anatomic contour of the plate & locking screws proximally
- Distal segment allows placement of:
 - two non-locking screws including one for axial compression & maximal osteotomy stability
 - then choice of one to two locking/non-locking compression screws per plate hole
- Full range of plate sizes
- Fully compatible with Vi /AO style twin-start screw locking thread profile

VILTPO15L3	Locking TPLO Plate For 1.5mm Screws 3 Holes Left
VILTPO15R3	Locking TPLO Plate For 1.5mm Screws 3 Holes Right
VILTPO20L	Locking TPLO Plate For 2.0mm Screws 3 Holes Left
VILTPO20R	Locking TPLO Plate For 2.0mm Screws 3 Holes Right
VILTPO24L	Locking TPLO Plate For 2.4mm Screws 3 Holes Left
VILTPO24R	Locking TPLO Plate For 2.4mm Screws 3 Holes Right
VILTPO27L3	Locking TPLO Plate For 2.7mm Screws 3 Holes Left
VILTPO27R3	Locking TPLO Plate For 2.7mm Screws 3 Holes Right
VILTPO35SL3	Locking TPLO Plate Small For 3.5mm Screws 3 Holes Left
VILTPO35SR3	Locking TPLO Plate Small For 3.5mm Screws 3 Holes Right
VILTPO35L3	Locking TPLO Plate For 3.5mm 3 Holes Left
VILTPO35R3	Locking TPLO Plate For 3.5mm 3 Holes Right
VILTPO35BL4	Locking TPLO Plate Broad For 3.5mm Screws 4 Holes Left
VILTPO35BR4	Locking TPLO Plate Broad For 3.5mm Screws 4 Holes Right

Vi Locking TPLO Plates



These TPLO plates are available in 2.7mm, 3.5mm & 5mm broad, covering the vast majority of TPLO patients.

The locking holes are both convergent & divergent to maximise pull-out resistance & angled to avoid articular surfaces.

TPLO27LPCL	TPLO Plate Locking 2.7mm Left
TPLO27LPCR	TPLO Plate Locking 2.7mm Right
TPLO35LPCL	TPLO Plate Locking 3.5mm Left
TPLO35LPCR	TPLO Plate Locking 3.5mm Right
TPLO35BLPCL	TPLO Plate Broad Locking 3.5mm Left
TPLO35BLPCR	TPLO Plate Broad Locking 3.5mm Right
TPLO35MLPCR	TPLO Narrow Head Broad Locking Plate Right 3.5mm
TPLO35MLPCL	TPLO Narrow Head Broad Locking Plate Left 3.5mm

TPLO353555 Locking Plates



Right & left pre-contoured locking versions of the original TPLO353555 clover leaf plate developed by Phil Moses (Brisbane). All the screws are set to avoid the joint space & allow for optimal load sharing. Locking holes are all stacked so will accept a cortical screw if necessary, & there are two compression holes in the plate shaft.

TPLO353555RL	3.5mm DCP 55mm Length Locking Right
TPLO353555LL	3.5mm DCP 55mm Length Locking Left

TPLO Saw Blades Vi Pattern



Vi's updated TPLO Blade has been redesigned to further reduce friction & improve cut characteristics in all sizes.

TPLOVI12	TPLO Blades Vi Pattern 12mm
TPLOVI15	TPLO Blades Vi Pattern 15mm
TPLOVI18	TPLO Blades Vi Pattern 18mm
TPLOVI21	TPLO Blades Vi Pattern 21mm
TPLOVI24	TPLO Blades Vi Pattern 24mm
TPLOVI27	TPLO Blades Vi Pattern 27mm
TPLOVI30	TPLO Blades Vi Pattern 30mm
TPLOVI34	TPLO Blades Vi Pattern 34mm

Other Plates For TPLO, Cranial Closing Wedge Osteotomy & Triple Tibial Osteotomy

Cloverleaf Plates



- TPLO202026** 2.0mm DCP 26mm Overall Length
- TPLO202031** 2.0mm DCP 31mm Overall Length
- TPLO242434** 2.4mm DCP 34mm Overall Length
- TPLO242441** 2.4mm DCP 41mm Overall Length
- TPLO272739** 2.7mm DCP 39mm Overall Length
- TPLO272745** 2.7mm DCP 45mm Overall Length
- TPLO273539** 2.7/3.5 DCP 39mm Overall Length
Allows Use Of 3.5 Cancellous Screw In Head
- TPLO273545** 2.7mm/3.5mm DCP 45mm Overall Length 2.5mm Thick
- TPLO353555** 3.5mm DCP 55mm Overall Length
- TPLO353557** 3.5mm DCP 57mm Overall Length Heavy Duty
- TPLO353559** 3.5mm DCP 59mm Overall Length
- TPLO353562** 3.5mm DCP 62mm Overall Length
- TPLO353565** 3.5mm DCP 65mm Overall Length
- TPLO353577** 3.5mm DCP 77mm Overall Length
- TPLO353577X** 3.5mm DCP 77mm Overall Length Extra Shaft Hole
- TPLO353579** 3.5mm DCP 79mm Overall Length Heavy Duty
- TPLO354579** 3.5mm/4.5mm DCP 79mm Overall Length Heavy Duty
Allows 4.5mm Screws In Head
- TPLO35456579** 79mm Overall Length Heavy Duty
Allows 4.5mm/6.5mm Screws In Head
- TPLO45659030** 4.5mm DCP 90mm Overall Length
Will Accept 6.5mm Cancellous Screws In Head 3.0mm Thick
- TPLO45659035** 4.5mm DCP 90mm Overall Length
Will Accept 6.5mm Cancellous Screws In Head 3.5mm Thick
- TPLO45659045** 4.5mm DCP 90mm Overall Length
Will Accept 6.5mm Cancellous Screws In Head 4.5mm Thick
- TPLOO** Angle Finder & Plate Overlay

TPLO Wedge Kit

The TPLO Wedge Kit includes:

- 001493 TPLO Wedge Templates 9 To 30 Degrees x 1
- 001701 Multi Saw Milwaukee Includes 2 Batteries x1
- 001702 Stainless Converter (Comes With Spanner) x1
- 001703 Multisaw Waterproof Shroud x1
- ACETATE7 Acetate Plate Profiles TPLO Plates x1
- S82-103 Sagittal Saw Blade 1.2mm x 70 x 12mm x1
- S82-104 Sagittal Saw Blade 0.8mm x 70mm x 25mm x1
- TPLO272739 TPLO Plate 2.7mm DCP 39mm Long 6 Holes x1
- TPLO353555 TPLO Plate 3.5mm DCP 55mm Long 6 Holes x1
- TPLO353579 TPLO Plate 3.5mm Heavy Duty DCP 79mm Long 7 Holes x1

(Also required: 2.7/3.5mm AO Type Bone Plate Benders).

- TPLOWEDGEKIT** TPLO (Closing Wedge) Start Up Kit
- 001287** 2.7mm/3.5mm AO Type Bone Plate Benders (Pair)

Slocum Style Plates



Slocum style TPLO plates. Not pre-contoured.

- TPLOS35BL** TPLO Plate Broad Slocum Style 3.5mm Left
- TPLOS35BR** TPLO Plate Broad Slocum Style 3.5mm Right
- TPLOS35L** TPLO Plate Slocum Style 3.5mm Left
- TPLOS35R** TPLO Plate Slocum Style 3.5mm Right
- TPLOS27BL** TPLO Plate Broad Slocum Style 2.7mm Left
- TPLOS27BR** TPLO Plate Broad Slocum Style 2.7mm Right
- TPLOS27L** TPLO Plate Slocum Style 2.7mm Left
- TPLOS27R** TPLO Plate Slocum Style 2.7mm Right
- TPLOS24L** TPLO Plate Slocum Style 2.4mm Left
- TPLOS24R** TPLO Plate Slocum Style 2.4mm Right
- TPLOS20L** TPLO Plate Slocum Style 2.0mm Left
- TPLOS20R** TPLO Plate Slocum Style 2.0mm Right
- BRTPL0** TPLO Radial Cut Step by Step Guide

Pre-Contoured Slocum Style TPLO plates

Pre-contoured version of the standard 3.5mm Slocum Style plate. Pre-bent & polished to leave no stress riser. May need a final intra-operative tweak in some cases.

- TPLOS35RPC** 3.5mm Right Slocum Style Pre-Contoured Plate
- TPLOS35LPC** 3.5mm Left Slocum Style Pre-Contoured Plate

Delta Style Plates



- TPLODEL35BL** 3.5mm Broad Delta Plate Left
- TPLODEL35BR** 3.5mm Broad Delta Plate Right
- TPLODEL35L** 3.5mm Delta Plate Left
- TPLODEL35R** 3.5mm Delta Plate Right
- TPLODEL27BL** 2.7mm Broad Delta Plate Left
- TPLODEL27BR** 2.7mm Broad Delta Plate Right
- TPLODEL27L** 2.7mm Delta Plate Left
- TPLODEL27R** 2.7mm Delta Plate Right
- TPLODEL24L** 2.4mm Delta Plate Left
- TPLODEL24R** 2.4mm Delta Plate Right

TPLO Instrumentation

XSTPLO Jig



Smallest TPLO Jig available from Vi. Design allows greater range of arm movement without causing intra-operative obstruction, with a single hinge to remove bulk. Accepts 1.6mm & 2.0mm pins. 2.0mm Allen key included. Main body 60mm long.

TPLOJIGXS. XS TPLO Jig 60mm

TPLO Jig



TPLOJIG TPLO Jig 120mm
TPLO32 Slocum Guide Pin 3.2mm Thread 25mm

Standard Slocum Style TPLO Jig



Standard pattern TPLO Jig. Pair of Alignment Bars & Allen key included. Large Jig takes 3.2 pins, small Jig take 2.4 pins. Pins not included.

TPLOJIG/S. Slocum Style Jig Standard (3.2mm Pin)
TPLO32 Slocum Guide Pin 3.2mm Thread 25mm
TPLOJIG/SS. Slocum Style Jig Small (2.4mm Pin)
BCNET24 2.4mm Bicortical Negative End Thread Pin 100mm Long
TPLOJIG/ROD35 Replacement Alignment Bars (Set Of 2) Standard
TPLOJIG/ROD27 Replacement Alignment Bars (Set Of 2) Small

Slocum TPLO Guide Pin

End threaded negative pin. Drive directly into the tibia for jig attachment.

TPLO32 Slocum Guide Pin 3.2mm Thread 25mm
BCNET24 2.4mm Bicortical Negative End Thread Pin 100mm Long

Slocum Rotation Gauges



The Rotation Gauges simplify the rotation procedure. The correct measurement, in millimetres, is read from the table & the appropriate gauge selected. The bone is marked using the scribe or an osteotome.

001492 Slocum Rotation Gauges

TPLO Rotation Gauge Divider Type

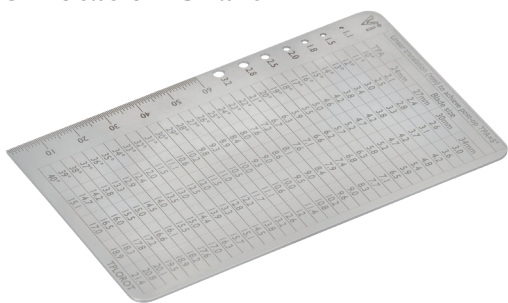


Alternative to the feeler gauge type measuring system. Spring loaded, adjusting the set screw fixes the points at any predetermined distance from 0-20mm as read from the scale.

The tibial plateau may then be rotated the distance between the points.

001499 TPLO Rotation Gauge Divider Type 90mm

TPLO Rotation Chart



The rotation data for blades 12mm, 15mm, 18mm, 21mm, 24mm, 27mm, 30mm & 34mm are displayed on this double sided, laser marked, stainless steel gauge.

Incorporates also a drill gauge & a ruler for measuring screws & rotation.

TPLOROT TPLO Rotation Chart

Very Large Fragment Forceps



Use where a wide gape is required or where the instrument needs to be further out of the surgical field. Spinlock version is very useful during CrCl surgery for repositioning the stifle prior to placement of a lateral suture, or holding osteotomies during closing wedge type procedures. Also available in left handed versions.

001202 Very Large Fragment Forceps 205mm Long

001203 Very Large Fragment Forceps With Spinlock 215mm Long

Wedge Osteotomy Gauge Set 9° To 30°



Wedge gauges simplify the marking & cutting of the appropriate wedge. Using the parallel marking allows the surgeon to mark & cut a wedge with equal length borders, creating a better closure.

001493 Wedge Osteotomy Gauge Set

Delta TPLO Plate Benders With Curved Slots



Plate benders with slots tend to distort the Delta plate. The curved slots help grip & support the the plate during the bending process. In addition the plate is much less likely to end up on the floor.

TPLODELBEND Delta TPLO Plate Benders (Pair) 230mm Long

Plate Holding/Drill Guide Forceps



Temporary fixation of the head of TPLO plates aids in positioning, while screws are placed. The spherical ball tip of these forceps seats well in the round holes of the head plate, as well as in conventional DCP holes, whilst allowing drilling through the hole. Also very useful for plate osteosynthesis in fracture repair.

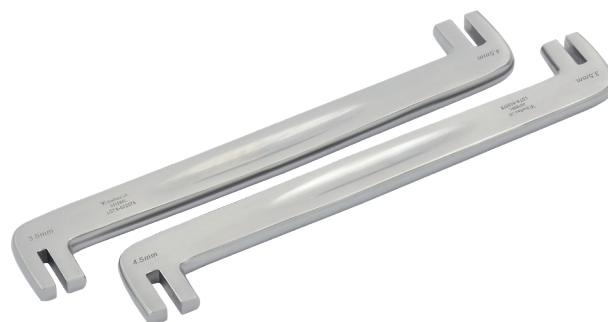
001225 1.5mm/2.0mm Plate Holding/Drill Guide Forceps 140mm Long

001226 2.4mm/2.7mm Plate Holding/Drill Guide Forceps 145mm Long

001227 3.5mm Plate Holding/Drill Guide Forceps 150mm Long

0012SET Plate Holding/Drill Guide Forceps Set (One Of Each Size)

Extra Long Bending Levers



Longer plate benders (240mm) with 4mm & 6mm slots are designed with TPLO plates in mind to make bending & twisting much easier.

001288L 3.5mm/4.5mm Extra Long Bending Levers 240mm Long

LeiLOX CBLO Locking System



Combines the advantages of TPLO & TTA

CBLO (CORA based leveling osteotomy) is a modern osteotomy technique to level the tibia plateau, similar to TPLO. However, CBLO addresses further challenges such as secondary (late) meniscal damage, overload of the caudal cruciate ligament, reduction of proximal anatomic axis shift & the secondary translation as well as misalignment of the joint.

Multiaxial Locking & Titanium

The screws can be locked in 90° angle with a 12° deviation in any direction. This allows you to angle the screws away from vital structures. The robust star-drive screw head can be locked firmly into the plate.

All LeiLOX CBLO Implant are made of Titanium by RITA LEIBINGER for the best biocompatibility.

Anatomically Shaped Limited Contact Dynamic Compression Plates

The LeiLOX CBLO plates are contoured to match the anatomic shape of the bone. This makes it easier to place the plate in an optimal position.

The plate features limited contact dynamic compression to minimize vascular damage to the plated bone segment.

Double Compression

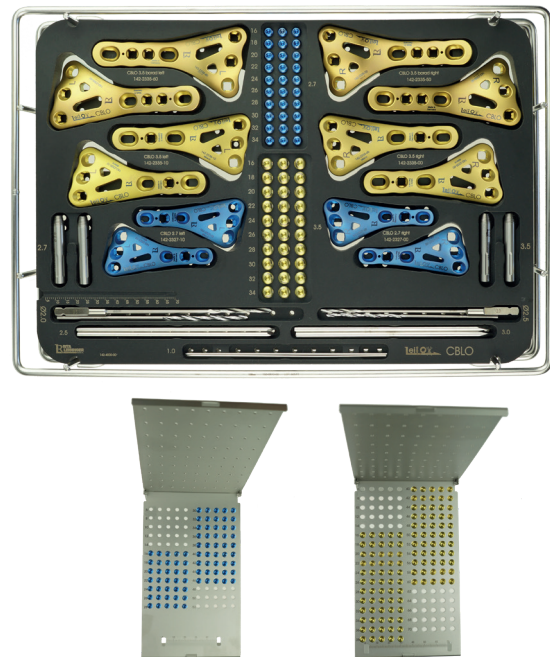
Two precisely designed compression holes enable a very tight compression of the osteotomy. This allows you to use a standard cortical screw as the cranio-caudal holding screw (instead of a headless compression screw).

Interchangeable 2.7 & 3.5mm Screws

Because the screwheads are identical, all CBLO plate sizes work with both the 2.7mm & the 3.5mm titanium CBLO screws. This offers flexibility & saves on inventory cost.

For technical content is available on request. Please contact our team of Technical Support Specialists on 0345 130 9596 or email info@vetinst.com

CBLO Implant Set

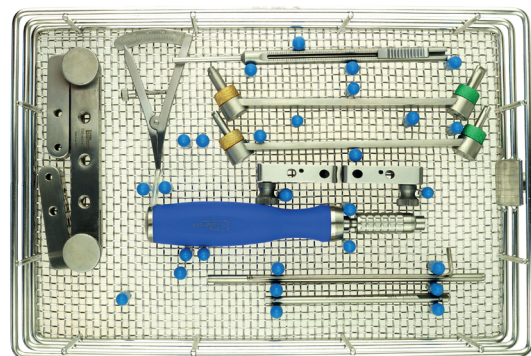


The CBLO Implant Set contains:

- 1x CBLO Implant Tray
- 1x Screwcrack CBLO 2.7
- 1x Screwcrack CBLO 3.5
- 2x of each CBLO Plate
- 3x of each Self Tapping Screw (16-34mm)
- 5x of each 2.7 Locking Screw (16-46mm)
- 5x of each 3.5 Locking Screw (16-60mm)

CBLO142400010 CBLO Implant Set

TPLO/CBLO Instrument Set



The TPLO/CBLO Instrument Set contains:

- 1x CBLO Instrument Tray
- 2x Drills (2.0 & 2.5mm)
- 3x 2 K-Wires (1.0, 2.5 & 3.0mm)
- 2x 2 Locking Drill Guides
- 2x TPLO Jigs
- 1x Screwdriver Handle
- 1x Screwdriver Shaft
- 1x Depth Gauge
- 1x Castroviejo Caliper
- 2x Compression Drill Guides

CBLO142400020 TPLO/CBLO Instrument Set

CBLO Plates



Titanium. Featuring both locking & compression screw holes.

CBLOI42232710	LeiLOX CBLO Locking Plate Broad 2.7mm Left 55mm
CBLOI42232700	LeiLOX CBLO Locking Plate Broad 2.7mm Right 55mm
CBLOI42233510	LeiLOX CBLO Locking Plate Broad 3.5mm Left 70mm
CBLOI42233500	LeiLOX CBLO Locking Plate Broad 3.5mm Right 70mm
CBLOI42233560	LeiLOX CBLO Locking Plate Broad 3.5mm Left 78mm
CBLOI42233550	LeiLOX CBLO Locking Plate Broad 3.5mm Right 78mm

LeiLox Locking Cortical Screws 2.7mm



For LeiLOX Locking System, Star Drive T10 self-holding (T10 Shaft from Rita Leibinger needed). Self-tapping with three flute cutting edge.

LEIOXL27STAR16	2.7mm Leiox Titanium Locking Screw 16mm
LEIOXL27STAR18	2.7mm Leiox Titanium Locking Screw 18mm
LEIOXL27STAR20	2.7mm Leiox Titanium Locking Screw 20mm
LEIOXL27STAR22	2.7mm Leiox Titanium Locking Screw 22mm
LEIOXL27STAR24	2.7mm Leiox Titanium Locking Screw 24mm
LEIOXL27STAR26	2.7mm Leiox Titanium Locking Screw 26mm
LEIOXL27STAR28	2.7mm Leiox Titanium Locking Screw 28mm
LEIOXL27STAR30	2.7mm Leiox Titanium Locking Screw 30mm
LEIOXL27STAR32	2.7mm Leiox Titanium Locking Screw 32mm
LEIOXL27STAR34	2.7mm Leiox Titanium Locking Screw 34mm
LEIOXL27STAR36	2.7mm Leiox Titanium Locking Screw 36mm
LEIOXL27STAR38	2.7mm Leiox Titanium Locking Screw 38mm
LEIOXL27STAR40	2.7mm Leiox Titanium Locking Screw 40mm
LEIOXL27STAR42	2.7mm Leiox Titanium Locking Screw 42mm
LEIOXL27STAR44	2.7mm Leiox Titanium Locking Screw 44mm
LEIOXL27STAR46	2.7mm Leiox Titanium Locking Screw 46mm

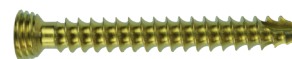
LeiLox Non Locking Cortical Screws 2.7mm



Star Drive T10. Self-holding (T10 Shaft from Rita Leibinger needed). Self-tapping with three flute cutting edge.

LEIOXNL27STAR16	2.7mm Leiox Titanium Non Locking Screw 16mm
LEIOXNL27STAR18	2.7mm Leiox Titanium Non Locking Screw 18mm
LEIOXNL27STAR20	2.7mm Leiox Titanium Non Locking Screw 20mm
LEIOXNL27STAR22	2.7mm Leiox Titanium Non Locking Screw 22mm
LEIOXNL27STAR24	2.7mm Leiox Titanium Non Locking Screw 24mm
LEIOXNL27STAR26	2.7mm Leiox Titanium Non Locking Screw 26mm
LEIOXNL27STAR28	2.7mm Leiox Titanium Non Locking Screw 28mm
LEIOXNL27STAR30	2.7mm Leiox Titanium Non Locking Screw 30mm
LEIOXNL27STAR32	2.7mm Leiox Titanium Non Locking Screw 32mm
LEIOXNL27STAR34	2.7mm Leiox Titanium Non Locking Screw 34mm

LeiLox Locking Cortical Screws 3.5mm



For LeiLOX Locking System, Star Drive T10 self-holding (T10 Shaft from Rita Leibinger needed). Self-tapping with three flute cutting edge.

LEIOXL35STAR16	3.5mm Leiox Titanium Locking Screw 16mm
LEIOXL35STAR18	3.5mm Leiox Titanium Locking Screw 18mm
LEIOXL35STAR20	3.5mm Leiox Titanium Locking Screw 20mm
LEIOXL35STAR22	3.5mm Leiox Titanium Locking Screw 22mm
LEIOXL35STAR24	3.5mm Leiox Titanium Locking Screw 24mm
LEIOXL35STAR26	3.5mm Leiox Titanium Locking Screw 26mm
LEIOXL35STAR28	3.5mm Leiox Titanium Locking Screw 28mm
LEIOXL35STAR30	3.5mm Leiox Titanium Locking Screw 30mm
LEIOXL35STAR32	3.5mm Leiox Titanium Locking Screw 32mm
LEIOXL35STAR34	3.5mm Leiox Titanium Locking Screw 34mm
LEIOXL35STAR36	3.5mm Leiox Titanium Locking Screw 36mm
LEIOXL35STAR38	3.5mm Leiox Titanium Locking Screw 38mm
LEIOXL35STAR40	3.5mm Leiox Titanium Locking Screw 40mm
LEIOXL35STAR42	3.5mm Leiox Titanium Locking Screw 42mm
LEIOXL35STAR44	3.5mm Leiox Titanium Locking Screw 44mm
LEIOXL35STAR46	3.5mm Leiox Titanium Locking Screw 46mm
LEIOXL35STAR48	3.5mm Leiox Titanium Locking Screw 48mm
LEIOXL35STAR50	3.5mm Leiox Titanium Locking Screw 50mm
LEIOXL35STAR52	3.5mm Leiox Titanium Locking Screw 52mm
LEIOXL35STAR54	3.5mm Leiox Titanium Locking Screw 54mm
LEIOXL35STAR56	3.5mm Leiox Titanium Locking Screw 56mm
LEIOXL35STAR58	3.5mm Leiox Titanium Locking Screw 58mm
LEIOXL35STAR60	3.5mm Leiox Titanium Locking Screw 60mm

LeiLox Non Locking Cortical Screws 3.5mm



Star Drive T10. Self-holding (T10 Shaft from Rita Leibinger needed). Self-tapping with three flute cutting edge.

LEIOXNL35STAR16	3.5mm Leiox Titanium Non Locking Screw 16mm
LEIOXNL35STAR18	3.5mm Leiox Titanium Non Locking Screw 18mm
LEIOXNL35STAR20	3.5mm Leiox Titanium Non Locking Screw 20mm
LEIOXNL35STAR22	3.5mm Leiox Titanium Non Locking Screw 22mm
LEIOXNL35STAR24	3.5mm Leiox Titanium Non Locking Screw 24mm
LEIOXNL35STAR26	3.5mm Leiox Titanium Non Locking Screw 26mm
LEIOXNL35STAR28	3.5mm Leiox Titanium Non Locking Screw 28mm
LEIOXNL35STAR30	3.5mm Leiox Titanium Non Locking Screw 30mm
LEIOXNL35STAR32	3.5mm Leiox Titanium Non Locking Screw 32mm
LEIOXNL35STAR34	3.5mm Leiox Titanium Non Locking Screw 34mm

Screwdriver Shaft Star Drive T10



Self holding.

TTAR128273510 Star-Drive Screwdriver Shaft T10 For 2.7/3.5mm Screws

Screwdriver Handle - Silicone



Silicone. Sterilisable up to 134°C

TTAR247010200 Screwdriver Handle 150mm Long

TTAR247010300 AO Connection Screwdriver Handle 130mm Long

Screwdriver Handle - Torque Limiting



Torque 3Nm. Silicone. Sterilisable up to 134°C

TTAR247010400 Torque Limiting Screwdriver

Tibial Tuberosity Advancement (TTA)



The TTA procedure developed by Tepic & Montavon is designed to bring the tibial plateau to sit at 90° to the straight patella ligament. This effectively neutralises the shear forces within the stifle under loading, making the stifle stable.

This is achieved by advancing the tibial tubercle & stabilising the created defect using a titanium cage & plate. The cage is selected for both thickness & width. The implants are secured using titanium screws.

Titanium is very osteoconductive resulting in rapid healing. The use of stainless steel implants is not recommended.

Premium TTA Case



Please note the box is supplied empty – contents for illustration only

Storage & autoclave case for TTA equipment & implants. Dedicated trays fitted for standard TTA equipment, with spaces for other useful items such as a small mallet, implants, & including a screw rack with space for 2.4mm, 2.7mm & 3.5mm screws. The outer box is constructed of aluminium, with removable filters top & bottom. Internal racks are stainless steel.

TTABOX Premium TTA Case (Box & Insert only)

TTA Instrumentation



The TTA procedure does require some essential instruments. Positioning of the fork & cage is impossible without the following instruments. The set is less expensive than buying the instruments individually.

- TTA554** TTA Drill Guide (4 Hole)
- TTA555** TTA Drill Guide (8 Hole)
- TTA666** TTA Fork Holder
- TTA444** TTA Spreader & 3mm, 6mm, 9mm, 12mm & 15mm Inserts
- TTA445** 4.5mm, 7.5mm & 10.5mm Insert Set
- TTA333** TTA Plate Bender
- TTA777** 1.9mm Pins (Set Of Two)
- TTAPFO** TTA Plate & Fork Overlay
- TTATAN** Common Tangent TTA/MMT Advancement Overlay
- 001323** TTA Mallet (140g)
- TTAFCP** TTA Cage Forceps
- SDHS35POM-C** 2.5mm Hex Screwdriver & Sleeve
- H090208** 1.8mm Drill Bit Hard
- H090102** 2.0mm Drill Bit Hard
- H090112** 2.5mm Drill Bit Hard
- DG242735** Depth Gauge For 2.4mm, 2.7mm & 3.5mm Screws

TTA Cage Forceps



Manipulating the TTA cage into the correct position can be an awkward part of the procedure, particularly the smaller sizes.

The TTA Cage Forceps grasp the cage firmly along the spine allowing it to be extracted from the case & placed into the tibial crest osteotomy.

TTAFCP TTA Cage Forceps

TTA Mallet



The TTA Fork needs to be gently tapped home for maximum stability. The 140 gram Mallet is the ideal weight.

001323 TTA Mallet 140g 155mm

TTA Spinlock Reduction Forceps



Increasing repair stability & reducing healing times can be achieved by compression of the distal tibial tubercle to the tibial shaft.

The Spinlock Reduction Forceps are the right size & have the correct degree of spread for most TTA procedures.

001245SL TTA Spinlock Reduction Forceps 180mm

TTA Saw Guide



The TTA saw guide is useful where the surgeon would prefer to use a guide which can be positioned correctly to maintain the position & plane of the cut, allowing concentration on the saw. Secured in place with standard fragment forceps, the guide is removed for the final freehand curve at the distal end of the osteotomy.

Suitable for both right & left leg.

TTA999 TTA Saw Guide

TTA Implants

TTA Cages



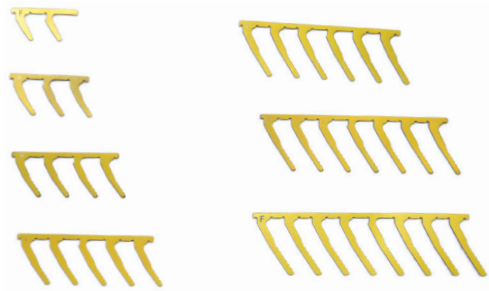
- TTAC310** Cage 3 x 10mm Titanium Screw 2.4mm
- TTAC313** Cage 3 x 13mm Titanium Screw 2.4mm
- TTAC316** Cage 3 x 16mm Titanium Screw 2.4mm
- TTAC4512** Cage 4.5 x 12mm Titanium Screw 2.4mm
- TTAC4515** Cage 4.5 x 15mm Titanium Screw 2.4mm
- TTAC4518** Cage 4.5 x 18mm Titanium Screw 2.4mm
- TTAC616** Cage 6 x 16mm Titanium Screw 2.4mm
- TTAC619** Cage 6 x 19mm Titanium Screw 2.4mm
- TTAC622** Cage 6 x 22mm Titanium Screw 2.4mm
- TTAC7513** Cage 7.5 x 13mm Titanium Screw 2.4mm
- TTAC7516** Cage 7.5 x 16mm Titanium Screw 2.4mm
- TTAC7519** Cage 7.5 x 19mm Titanium Screw 2.4mm
- TTAC919** Cage 9 x 19mm Titanium Screw 2.4mm
- TTAC922** Cage 9 x 22mm Titanium Screw 2.4mm
- TTAC925** Cage 9 x 25mm Titanium Screw 2.4mm
- TTAC10519** Cage 10.5 x 19mm Titanium Screw 2.4mm
- TTAC10522** Cage 10.5 x 22mm Titanium Screw 2.4mm
- TTAC10525** Cage 10.5 x 25mm Titanium Screw 2.4mm
- TTAC1222** Cage 12 x 22mm Titanium Screw 2.4mm
- TTAC1225** Cage 12 x 25mm Titanium Screw 2.4mm
- TTAC1228** Cage 12 x 28mm Titanium Screw 2.4mm
- TTAC13522** Cage 13.5 x 22mm Titanium Screw 2.4mm
- TTAC13525** Cage 13.5 x 25mm Titanium Screw 2.4mm
- TTAC13528** Cage 13.5 x 28mm Titanium Screw 2.4mm
- TTAC1522** Cage 15 x 22mm Titanium Screw 2.4mm
- TTAC1525** Cage 15 x 25mm Titanium Screw 2.4mm
- TTAC1528** Cage 15 x 28mm Titanium Screw 2.4mm
- TTAC1531** Cage 15 x 31mm Titanium Screw 2.4mm

TTA Plates



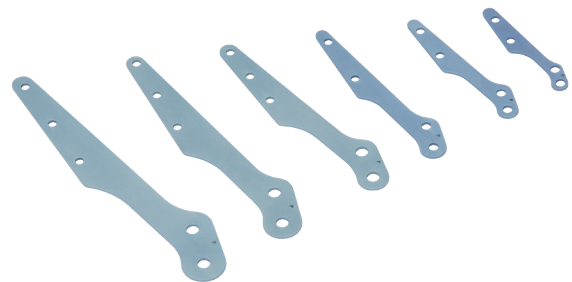
- TTAP2** Plate 2 Hole Titanium Screw 2.4mm
- TTAP3** Plate 3 Hole Titanium Screw 2.4mm + 2.7mm
- TTAP4** Plate 4 Hole Titanium Screw 2.4mm + 2.7mm
- TTAP5** Plate 5 Hole Titanium Screw 2.7mm
- TTAP6** Plate 6 Hole Titanium Screw 2.7mm + 3.5mm
- TTAP7** Plate 7 Hole Titanium Screw 3.5mm
- TTAP8** Plate 8 Hole Titanium Screw 3.5mm

TTA Forks



- TTAF2** Fork 2 Prong Titanium
- TTAF3** Fork 3 Prong Titanium
- TTAF4** Fork 4 Prong Titanium
- TTAF5** Fork 5 Prong Titanium
- TTAF6** Fork 6 Prong Titanium
- TTAF7** Fork 7 Prong Titanium
- TTAF8** Fork 8 Prong Titanium

Forkless TTA Plates



An alternative to the traditional forked plates. Secured using 2.4mm screws in the tibial crest, after the osteotomy & advancement have been made. Distal screws are secured using screws as appropriate. The rest of the technique is as per standard TTA.

Advantages:

- Position of the plate on the tibial crest & tibial diaphysis not fixed until after the osteotomy & advancement have been made – avoids difficult diaphyseal screw placement where the distal screws are too caudal on the tibia. Problem in small breeds & if this is missed in planning
- Tibial crest screws can be angled if needed
- Screw length of tibial crest screws can be individual selected for better fit
- Less screw holes in tibial crest than fork holes, helping reduce risk of tibial crest fracture

A starter set of forkless plates (one of each) is available at a good discount over component costs.

- TTAX42** Forkless TTA Plate (Same Length As TTAP3) 2.4+2.7 Screw
- TTAX52** Forkless TTA Plate (Same Length As TTAP4) 2.4+2.7 Screw
- TTAX65** Forkless TTA Plate (Same Length As TTAP5) 2.7 Screw
- TTAX78** Forkless TTA Plate (Same Length As TTAP6) 2.7+3.5 Screw
- TTAX91** Forkless TTA Plate (Same Length As TTAP7) 3.5 Screw
- TTAX104** Forkless TTA Plate (Same Length As TTAP8) 3.5 Screw
- TTAXSET** Forkless TTA Plate Set - One Of Each Size

Forkless Plate Forceps



Variants of the plate holding drill guide forceps design developed for thin TTA plates. Hold the plate in position allowing the pilot hole to be drilled through the guide in the correct position, even after the osteotomy has been made.

TTAXFCP Forkless TTA Plate Forceps (145mm)

TTA Cuttable Cages



Cutttable cages can be trimmed in 3mm increments, to cover a larger range of patients with a reduced inventory.

Also available as a set of cages (one of each size) with a free cutter.

- TTACUT316** Cuttable Cage 3 x 16mm
- TTACUT4518** Cuttable Cage 4.5 x 18mm
- TTACUT622** Cuttable Cage 6 x 22mm
- TTACUT7522** Cuttable Cage 7.5 x 22mm
- TTACUT926** Cuttable Cage 9 x 26mm
- TTACUT10526** Cuttable Cage 10.5 x 26mm
- TTACUT1228** Cuttable Cage 12 x 28mm
- TTACUT13528** Cuttable Cage 13.5 x 28mm
- TTACUT1532** Cuttable Cage 15 x 32mm
- TTACUTI** Cuttable Cage Set (9) With Free Cage Cutters

TTA Cuttable Cage Cutters



TTA cage cutters, which have narrow jaws designed to fit between the fins of cuttable cages. These cutters are only for TTA cages – not suitable for other implants due to the specially designed slim jaws.

TTACACUT TTA Cuttable Cage Cutter

TTA Washers



Stackable titanium washers. Permit adjustments in 1mm increments.

PW24TI 2.4mm TTA Washer - Titanium

TTA Spacers



Placed under either cranial or caudal cage lugs to help re-align the quadriceps mechanism in cases of concurrent patellar luxation while performing the TTA procedure. Suggested maximum tibial tuberosity movement is 50%.

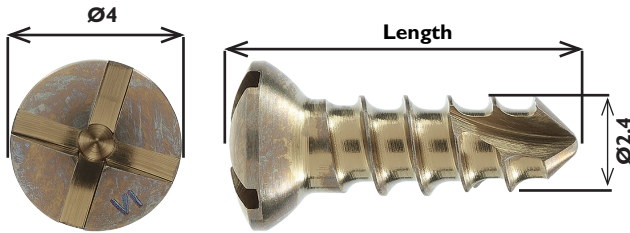
- TTASP2** TTA Spacer Titanium 2mm
- TTASP4** TTA Spacer Titanium 4mm
- TTASP6** TTA Spacer Titanium 6mm
- TTASP8** TTA Spacer Titanium 8mm

Drill Bits - Standard Length - Round Shank

	Diameter	Overall length	Flute length
H090208	1.8mm	110mm	25mm
H090102	2.0mm	110mm	30mm
H090112	2.5mm	120mm	30mm

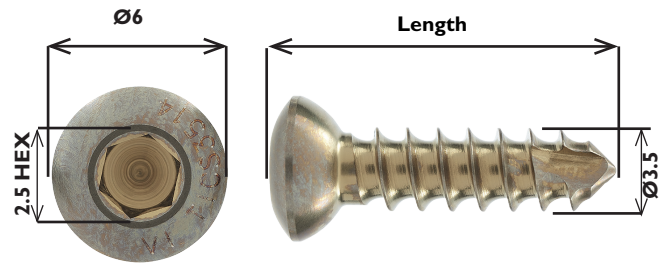
Titanium Screws

2.4mm Titanium Screws - Cruciate Head



- TICS2408** Titanium 2.4mm Self Tapping Cortical Screw 8mm
- TICS2410** Titanium 2.4mm Self Tapping Cortical Screw 10mm
- TICS2412** Titanium 2.4mm Self Tapping Cortical Screw 12mm
- TICS2414** Titanium 2.4mm Self Tapping Cortical Screw 14mm
- TICS2416** Titanium 2.4mm Self Tapping Cortical Screw 16mm
- TICS2418** Titanium 2.4mm Self Tapping Cortical Screw 18mm
- TICS2420** Titanium 2.4mm Self Tapping Cortical Screw 20mm
- TICS2422** Titanium 2.4mm Self Tapping Cortical Screw 22mm
- TICS2424** Titanium 2.4mm Self Tapping Cortical Screw 24mm
- TICS2426** Titanium 2.4mm Self Tapping Cortical Screw 26mm
- TICS2428** Titanium 2.4mm Self Tapping Cortical Screw 28mm
- TICS2430** Titanium 2.4mm Self Tapping Cortical Screw 30mm
- TICS2432** Titanium 2.4mm Self Tapping Cortical Screw 32mm
- TICS2434** Titanium 2.4mm Self Tapping Cortical Screw 34mm
- TICS2436** Titanium 2.4mm Self Tapping Cortical Screw 36mm
- TICS2438** Titanium 2.4mm Self Tapping Cortical Screw 38mm
- TICS2440** Titanium 2.4mm Self Tapping Cortical Screw 40mm

3.5mm Titanium Screws - Hexagonal Head

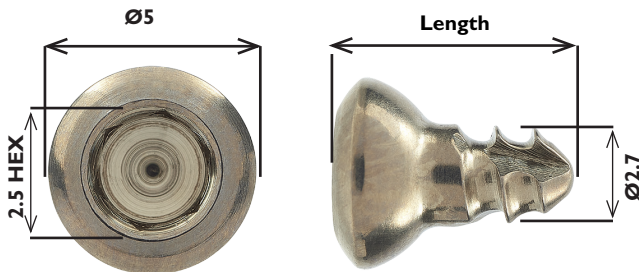


- TICS3514** Titanium 3.5mm Self Tapping Cortical Screw 14mm
- TICS3516** Titanium 3.5mm Self Tapping Cortical Screw 16mm
- TICS3518** Titanium 3.5mm Self Tapping Cortical Screw 18mm
- TICS3520** Titanium 3.5mm Self Tapping Cortical Screw 20mm
- TICS3522** Titanium 3.5mm Self Tapping Cortical Screw 22mm
- TICS3524** Titanium 3.5mm Self Tapping Cortical Screw 24mm
- TICS3526** Titanium 3.5mm Self Tapping Cortical Screw 26mm
- TICS3528** Titanium 3.5mm Self Tapping Cortical Screw 28mm
- TICS3530** Titanium 3.5mm Self Tapping Cortical Screw 30mm
- TICS3532** Titanium 3.5mm Self Tapping Cortical Screw 32mm
- TICS3534** Titanium 3.5mm Self Tapping Cortical Screw 34mm
- TICS3536** Titanium 3.5mm Self Tapping Cortical Screw 36mm
- TICS3538** Titanium 3.5mm Self Tapping Cortical Screw 38mm
- TICS3540** Titanium 3.5mm Self Tapping Cortical Screw 40mm

Screwbox For Titanium TTA Screws

- SHTTA242735** TTA Screwbox For 2.4mm, 2.7mm & 3.5mm Titanium Screws

2.7mm Titanium Screws - Hexagonal Head



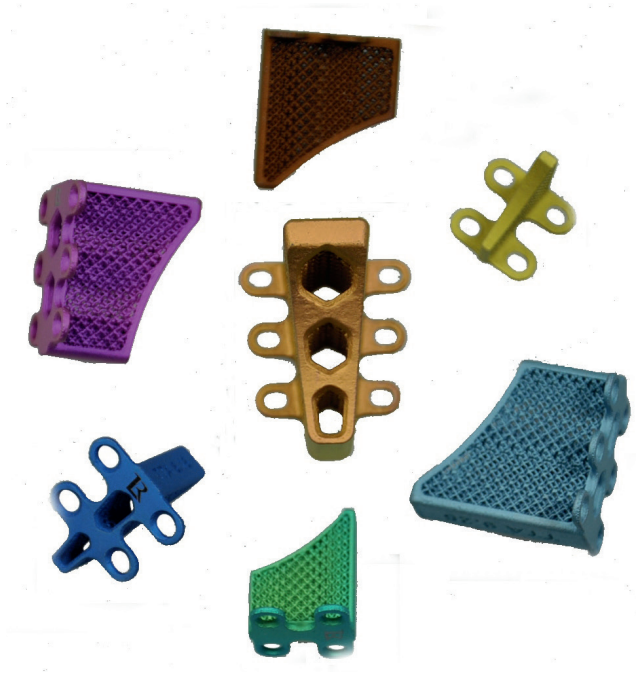
- TICS2706** Titanium 2.7mm Self Tapping Cortical Screw 6mm
- TICS2708** Titanium 2.7mm Self Tapping Cortical Screw 8mm
- TICS2710** Titanium 2.7mm Self Tapping Cortical Screw 10mm
- TICS2712** Titanium 2.7mm Self Tapping Cortical Screw 12mm
- TICS2714** Titanium 2.7mm Self Tapping Cortical Screw 14mm
- TICS2716** Titanium 2.7mm Self Tapping Cortical Screw 16mm
- TICS2718** Titanium 2.7mm Self Tapping Cortical Screw 18mm
- TICS2720** Titanium 2.7mm Self Tapping Cortical Screw 20mm
- TICS2722** Titanium 2.7mm Self Tapping Cortical Screw 22mm
- TICS2724** Titanium 2.7mm Self Tapping Cortical Screw 24mm
- TICS2726** Titanium 2.7mm Self Tapping Cortical Screw 26mm
- TICS2728** Titanium 2.7mm Self Tapping Cortical Screw 28mm
- TICS2730** Titanium 2.7mm Self Tapping Cortical Screw 30mm
- TICS2732** Titanium 2.7mm Self Tapping Cortical Screw 32mm
- TICS2734** Titanium 2.7mm Self Tapping Cortical Screw 34mm
- TICS2736** Titanium 2.7mm Self Tapping Cortical Screw 36mm
- TICS2738** Titanium 2.7mm Self Tapping Cortical Screw 38mm
- TICS2740** Titanium 2.7mm Self Tapping Cortical Screw 40mm

TTA Rapid

Tibial Tuberosity Advancement (TTA) as a technique for the surgical management of cranial cruciate ligament insufficiency has gained increasing acceptance & popularity in recent years. As we learn more, efforts are being made to simplify the technique, to make it more user friendly & overcome some of the pitfalls of the original technique.

Developed in collaboration with Rita Leibinger Medical & Dr Yves Samoy, University of Ghent, TTA Rapid is one of the newer developments in both implant technology & technique.

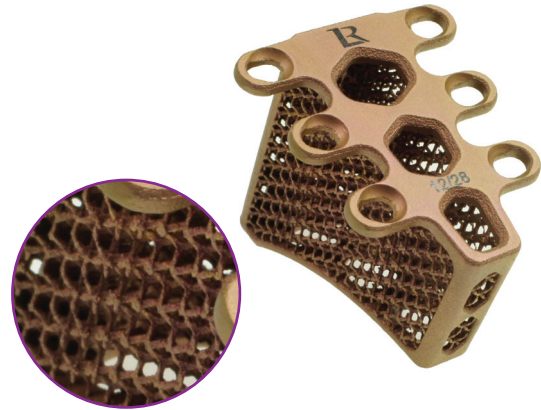
The Implants



The manufacture of TTA Rapid cages has only been made possible with advances in materials & manufacturing technology. The cages are made by an additive manufacturing (AM) 3D printing process known as selective laser sintering (SLS). The process is interesting to watch. Although other materials can be used in the process, TTA Rapid cages start life as a very fine, commercially pure titanium powder. A very thin layer of titanium powder is deposited on the working bed of the SLS machine & a modified print head carrying a high intensity laser is used to selectively melt the powder to bond (sinter) regions together. As further layers of powder are applied & the laser sintering process repeated, a solid three dimensional structure begins to form within the 'sand-pit' of metal powder. Electron beam melting (EBM) is a similar procedure that uses an electron beam instead of a laser.

Once the full structure has been created, the cages are separated from the powder & various chemical & other finishing processes are performed to leave the cages in their final, implantable state.

Through this process, shapes can be created that would either be impossible to produce using more conventional technologies or cost prohibitive. In the case of TTA Rapid, a very porous honeycomb titanium lattice with a modulus similar to that of cancellous bone is generated permitting very rapid bony ingrowth to occur. Titanium is also very biocompatible, MRI compatible & typically needs to be inoculated with 10 times as many infectious units for an implant associated infection to develop when compared to stainless steel.



The lattice found in the TTA Rapid cages is bound on 4 sides by an anatomically shaped, rigid shell of the same material with one side carrying lugs with screw holes in them. With the lattice, cage & screw lugs being one piece, the cages are very stable in situ.

The constructs are so stable that auxiliary implants such as plates, wires, forks & staples are rarely indicated. This has a number of benefits:

- Reduced morbidity & biological cost that may be associated with the dissection & placement of additional implants
- Reduced potential for cold conduction with superficially sited metallic implants
- Fewer additional holes created in the tibial diaphysis which may contribute to crack propagation & failure of the tibial shaft
- Metals of different electro-potentials are avoided in the same construct. Theoretically this reduces the potential for galvanic corrosion to occur (all components are titanium)
- Simplified inventory management
- Potential time savings in the placement of implants

Caution: TTA Rapid patients are often subjectively more comfortable in their early post-operative recovery than many patients undergoing other osteotomy surgeries. TTA Rapid still involves a major osteotomy & both appropriate patient selection & appropriate client education for post-operative management are indicated.

TTA Rapid Starter Kit

Instrument & selected implant set, supplied in basket type containers with dedicated racks. Implant set contains commonly used sizes as listed below.



The Kit contains:

Instrument Tray - Complete with new L-Shaped Saw guide.

Implant Tray containing

- 6mm x 16mm Cage x1 10.5mm x 22mm Cage x1
- 7.5mm x 16mm Cage x1 10.5mm x 25mm Cage x1
- 7.5mm x 19mm Cage x1 12mm x 22mm Cage x1 (8 cages in total)
- 9mm x 19mm Cage x1
- 9mm x 22mm Cage x1

Screws

- 1x 8mm 4x 22mm 2x 34mm
- 2x 10mm 4x 24mm 2x 36mm
- 4x 12mm 4x 26mm 2x 38mm
- 4x 14mm 4x 28mm 1x 40mm
- 4x 16mm 4x 30mm (54 Screws in total)
- 4x 20mm 4x 32mm

2x 2.5ml Nanopaste

Starter Kit price is discounted by over 10% compared to component price.

- TTARNEWSTARTKIT** TTA Rapid Starter Kit
- TTARNEWPREMALL** TTA Rapid Premium Instrument & Implant Kit
- TTARNEWPREMIMP** TTA Rapid Premium Implant Kit
- TTARNEWPREMINST** TTA Rapid Premium Instrument Kit
- TTARI3250000/A** TTA Rapid Implant Tray Supplied Empty
- TTARI32500010/A** TTA Rapid Instrument Tray Supplied Empty.

TTA Rapid Conversion Kit



Kit contains:

- New L Shaped Saw Guide
- Drill Guide Pin
- TTA Rapid Lever-Spreader Double-ended 3mm & 9mm
- TTA Rapid Lever-Spreader Double-ended 6mm & 12mm

TTARNEWMIN TTA Rapid Conversion Kit - New Technique

TTA Rapid Screw Rack



TTA Rapid Screw Rack designed for holding TTA Rapid Standard 2.4mm Titanium Screws from 6mm to 40mm in length or TTA Rapid 'Petite' 2.0mm Titanium Screws from 6mm in length.

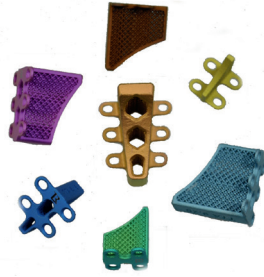
Please note supplied empty.

- TTAR2103624** TTA Rapid Screw Rack - Standard For 2.4mm Screws For 6 - 40mm In Length
- TTARI500520** TTA Rapid Screw Rack - 'Petite' For 2.0mm Screws For 6mm to 20mm In Length

TTA Rapid Accessories

- TTARI44101010** TTA Rapid K Wire Single Trochar Tip 1.2mm x 100mm
- TTARI44101510** TTA Rapid K Wire Single Trochar Tip 1.5mm x 100mm
- TTARI44102510** TTA Rapid K Wire Single Trochar Tip 2.5mm x 100mm
- TTARI48008018** TTA Rapid 1.8mm Twist Drill Bit Round Shaft
- TTARI48008020** TTA Rapid 2.0mm Drill Bit Round Shaft
- TTARI48008030** TTA Rapid 3.0mm Drill Bit Round Shaft
- TTARI48008118** TTA Rapid Twist Drill 1.8mm I25/ 25mm AO Shaft
- TTARI48008120** TTA Rapid Twist Drill 2.0mm AO Shaft
- TTARI48012030** TTA Rapid Twist Drill 3.0mm I10/ 85mm AO Shaft

TTA Rapid - Implants TTA Rapid Cages - Standard



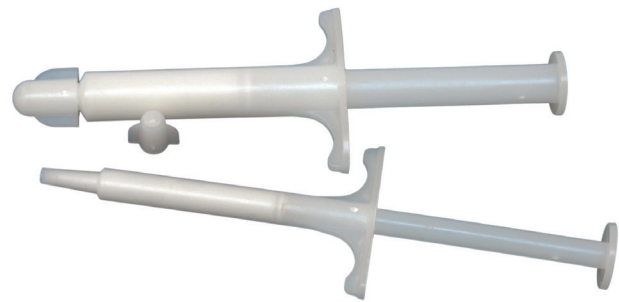
For use with 2.4mm TTA Rapid Screws.

- TTAR38** TTA Rapid Cage 3/8 Titanium
- TTAR310** TTA Rapid Cage 3/10 Titanium
- TTAR313** TTA Rapid Cage 3/13 Titanium
- TTAR316** TTA Rapid Cage 3/16 Titanium
- TTAR459** TTA Rapid Cage 4.5/9 Titanium
- TTAR4512** TTA Rapid Cage 4.5/12 Titanium
- TTAR4515** TTA Rapid Cage 4.5/15 Titanium
- TTAR4518** TTA Rapid Cage 4.5/18 Titanium
- TTAR613** TTA Rapid Cage 6/13 Titanium
- TTAR616** TTA Rapid Cage 6/16 Titanium
- TTAR619** TTA Rapid Cage 6/19 Titanium
- TTAR622** TTA Rapid Cage 6/22 Titanium
- TTAR7513** TTA Rapid Cage 7.5/13 Titanium
- TTAR7516** TTA Rapid Cage 7.5/16 Titanium
- TTAR7519** TTA Rapid Cage 7.5/19 Titanium
- TTAR7522** TTA Rapid Cage 7.5/22 Titanium
- TTAR916** TTA Rapid Cage 9/16 Titanium
- TTAR919** TTA Rapid Cage 9/19 Titanium
- TTAR922** TTA Rapid Cage 9/22 Titanium
- TTAR925** TTA Rapid Cage 9/25 Titanium
- TTARI0516** TTA Rapid Cage 10.5/16 Titanium
- TTARI0519** TTA Rapid Cage 10.5/19 Titanium
- TTARI0522** TTA Rapid Cage 10.5/22 Titanium
- TTARI0525** TTA Rapid Cage 10.5/25 Titanium
- TTARI1219** TTA Rapid Cage 12/19 Titanium
- TTARI1222** TTA Rapid Cage 12/22 Titanium
- TTARI1225** TTA Rapid Cage 12/25 Titanium
- TTARI1228** TTA Rapid Cage 12/28 Titanium
- TTARI13519** TTA Rapid Cage 13.5/19 Titanium
- TTARI13522** TTA Rapid Cage 13.5/22 Titanium
- TTARI13525** TTA Rapid Cage 13.5/25 Titanium
- TTARI13528** TTA Rapid Cage 13.5/28 Titanium
- TTARI1519** TTA Rapid Cage 15/19 Titanium
- TTARI1522** TTA Rapid Cage 15/22 Titanium
- TTARI1525** TTA Rapid Cage 15/25 Titanium
- TTARI1528** TTA Rapid Cage 15/28 Titanium

TTA Rapid 2.4mm Titanium Screws - 2.0mm Hex Head

- TTARSC2406** TTA Rapid 2.4mm Screw Titanium 6mm
- TTARSC2408** TTA Rapid 2.4mm Screw Titanium 8mm
- TTARSC2410** TTA Rapid 2.4mm Screw Titanium 10mm
- TTARSC2412** TTA Rapid 2.4mm Screw Titanium 12mm
- TTARSC2414** TTA Rapid 2.4mm Screw Titanium 14mm
- TTARSC2416** TTA Rapid 2.4mm Screw Titanium 16mm
- TTARSC2418** TTA Rapid 2.4mm Screw Titanium 18mm
- TTARSC2420** TTA Rapid 2.4mm Screw Titanium 20mm
- TTARSC2422** TTA Rapid 2.4mm Screw Titanium 22mm
- TTARSC2424** TTA Rapid 2.4mm Screw Titanium 24mm
- TTARSC2426** TTA Rapid 2.4mm Screw Titanium 26mm
- TTARSC2428** TTA Rapid 2.4mm Screw Titanium 28mm
- TTARSC2430** TTA Rapid 2.4mm Screw Titanium 30mm
- TTARSC2432** TTA Rapid 2.4mm Screw Titanium 32mm
- TTARSC2434** TTA Rapid 2.4mm Screw Titanium 34mm
- TTARSC2436** TTA Rapid 2.4mm Screw Titanium 36mm
- TTARSC2438** TTA Rapid 2.4mm Screw Titanium 38mm
- TTARSC2440** TTA Rapid 2.4mm Screw Titanium 40mm

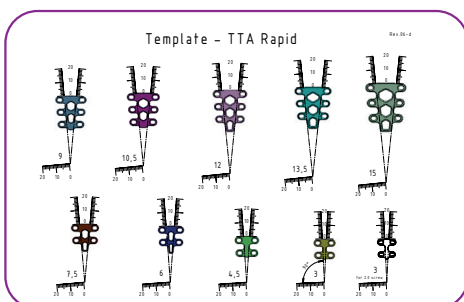
NanoPaste Bone Substitues



Hydroxyapatite paste. 2.5ml is adequate for cages up to 10.5mm. To completely fill the osteotomy & lattice of larger cages, a 5ml size is also available.

- PAS2.5** NanoPaste Syringe 2.5ml
- PAS5** NanoPaste Syringe 5ml

TTA Rapid Acetate



- TTARACE** TTA Rapid Acetate

TTA Rapid Bending Iron



This is used for contouring the cage ears for accurate placement & is common to the original & modified techniques. The use of other devices to create this contour is likely to result in damage to the cage ears.

TTARI32402000 TTA Rapid Bending Iron

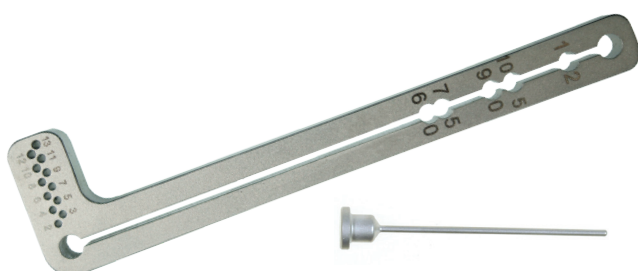
TTA Rapid Universal Spreader



Permits incremental opening of the osteotomy in a very controlled manner. 160mm length.

TTARI32408016 TTA Rapid Universal Spreader

TTA Rapid L-Shaped Guide



L shaped saw guide for the TTA Rapid technique.

TTARI32404000. TTA Rapid L-Shaped Saw Guide With Pin

TTARI32403010 TTA Rapid Drill Guide Pin

TTA Rapid Screwdriver Inserts



TTAR20342420 TTA Rapid Screwdriver Insert For 2.4mm Hex Screws AO Fitting 100mm Long

TTAR20346424 TTA Rapid Screw Holding Sleeve For 2.4mm Hex Screws

TTA Rapid Lever Spreader



These are used to open the osteotomy incrementally to the required width. Available in two double-ended sizes. The spreaders measure 1mm wider than their stated size to permit insertion of a cage beneath them.

TTARI32400013 TTA Rapid Lever Spreader Double-Ended 3mm & 9mm Broad

TTARI32401013 TTA Rapid Lever Spreader Double-Ended 6mm & 12mm Broad

TTARI32401513 TTA Rapid Lever Spreader Double-Ended 13.5mm & 15mm Broad

TTA Rapid Plate Holding Forceps - Angled



Used to remove cages from implant trays.

TTARI64005016 Plate Holding Forceps - Angled - 160mm Long

Reduction Forceps With Spinlock



001203 Very Large Fragment Forceps With Spinlock 215mm Long
001245SL Large Fragment Forceps With Spinlock 180mm Long

TTA Rapid Depth Gauges



TTARI64273560 Depth Gauge For 2.4mm Screws 150mm Long - Reads To 40mm

Plate Holding/Drill Guide Forceps



Used to snug the TTA Rapid cage ears against the medial cortex prior to drilling pilot holes.

001225 1.5/2.0 Plate Holding/Drill Guide Forceps 140mm Long 'Petite' TTA Rapid
001226 2.4/2.7 Plate Holding/Drill Guide Forceps 145mm Long Standard TTA Rapid

TTA Rapid Drill Sleeve Guide For 2.4mm Screws



Used for accurate positioning of pilot holes for 2.4mm screws.

TTARI64007020 Drill Sleeve Guide 1.1/1.5mm For 2.0mm Screws
TTARI64007024 TTA Rapid Drill Sleeve Guide For 2.4mm Screws

TTA Rapid Petite

Petite is aimed at smaller patients such as cats & smaller dogs, where 3mm advancement is sufficient but 2.4 screws in the tibial tubercle are not appropriate. Petite uses 2mm screws, & has dedicated instrumentation including saw guide. Note the saw guide only accepts thin blades.



TTA Rapid Cages - Petite

For use with 2.0mm TTA Rapid Screws.

- TTARI32002308 TTA Rapid Cage Titanium 3/08
- TTARI32002310 TTA Rapid Cage Titanium 3/10
- TTARI32002313 TTA Rapid Cage Titanium 3/13

TTA Rapid Screws 2.0mm Titanium - Hex Head

- TTARSC2006 TTA Rapid 2.0mm Screw Titanium 6mm
- TTARSC2008 TTA Rapid 2.0mm Screw Titanium 8mm
- TTARSC2010 TTA Rapid 2.0mm Screw Titanium 10mm
- TTARSC2012 TTA Rapid 2.0mm Screw Titanium 12mm
- TTARSC2014 TTA Rapid 2.0mm Screw Titanium 14mm
- TTARSC2016 TTA Rapid 2.0mm Screw Titanium 16mm
- TTARSC2018 TTA Rapid 2.0mm Screw Titanium 18mm
- TTARSC2020 TTA Rapid 2.0mm Screw Titanium 20mm
- TTARSC2022 TTA Rapid 2.0mm Screw Titanium 22mm
- TTARSC2024 TTA Rapid 2.0mm Screw Titanium 24mm
- TTARSC2026 TTA Rapid 2.0mm Screw Titanium 26mm
- TTARSC2028 TTA Rapid 2.0mm Screw Titanium 28mm
- TTARSC2030 TTA Rapid 2.0mm Screw Titanium 30mm

TTA Rapid Petite Screwdriver Insert & Sleeve



- TTAR20DRIVER TTA Rapid 2.0mm Screwdriver, Insert & Sleeve
- TTARI28094024 TTA Rapid Petite Screw Holding Sleeve (Replacement)

TTA Rapid Petite Depth Gauge



- TTARI64152020 TTA Rapid Petite Depth Gauge For 2.0mm Screws

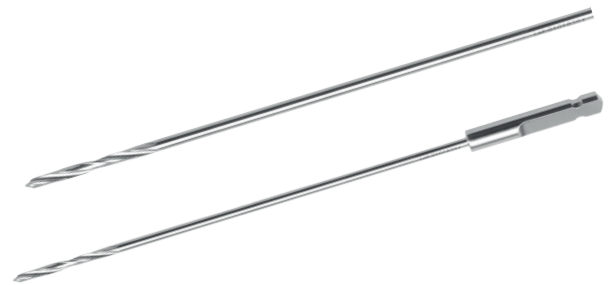
TTA Rapid L-Shaped Petite Saw Guide



Using the modified technique without a Maquet hole, this guide is used for the TTA Rapid Petite system for advancements of 3mm.

- TTARI32404100. TTA Rapid L-Shaped Petite Saw Guide With Pin

TTA Rapid Petite Twist Drill



- TTARI48008015 TTA Rapid Twist Drill Bit 1.5mm Round Shaft
- TTARI48008115 TTA Rapid Twist Drill Bit 1.5mm AO Shaft

Tiny TTAR Spreader

- TTARI32-4080-08 Tiny TTAR Spreader

Tiny TTA Rapid®

Tiny TTA RAPID is designed for tiny animals – especially cats, toy dogs & dogs with short legs needing a wide advancement. The tiny sawguide allows short osteotomies.

Tiny TTA Rapid Set



The Tiny TTA Rapid Tiny contains:

- 1 Sterilisation Tray with Lid
- 1 of each Tiny TTA Rapid Cage (12 total)
- 1 of each 2, 3 & 4mm Patella Spacer (6 total)
- 1 Rapid Luxation Plate Petite
- 5 of each 1.5mm Screw (6-20mm 40 total)
- 5 of each 2.0mm Screw (6-26mm 55 total)
- 1 Tibia Tappet Petite
- 1 Plate Holding Forceps
- 1 Tiny Sawguide with Pin & K-Wire
- 1 Depth Gauge
- 2 Drills (1.1 & 1.5mm)
- 2 Screw Driver Shafts (T6 & T8)
- 1 Screwdriver Handle
- 1 Drill Guide

TTARI32650000 Tiny TTA Rapid Set

Tiny TTA Rapid Cages



- TTAR2/6** Tiny TTA Rapid Cage 2/6 Titanium
- TTAR2/8** Tiny TTA Rapid Cage 2/8 Titanium
- TTAR2/10** Tiny TTA Rapid Cage 2/10 Titanium
- TTAR3/7** Tiny TTA Rapid Cage 3/7 Titanium
- TTAR3/9** Tiny TTA Rapid Cage 3/9 Titanium
- TTAR3/11** Tiny TTA Rapid Cage 3/11 Titanium
- TTAR45/8** Tiny TTA Rapid Cage 4/8 Titanium
- TTAR45/10** Tiny TTA Rapid Cage 4/10 Titanium
- TTAR45/12** Tiny TTA Rapid Cage 4/12 Titanium
- TTAR6/9** Tiny TTA Rapid Cage 6/9 Titanium
- TTAR6/11** Tiny TTA Rapid Cage 6/11 Titanium
- TTAR6/13** Tiny TTA Rapid Cage 6/13 Titanium

TTA Rapid Star Drive 1.5mm Screw Titanium



- TTARI5STAR05** TTA Rapid Star Drive 1.5mm Screw Titanium 5mm
- TTARI5STAR06** TTA Rapid Star Drive 1.5mm Screw Titanium 6mm
- TTARI5STAR07** TTA Rapid Star Drive 1.5mm Screw Titanium 7mm
- TTARI5STAR08** TTA Rapid Star Drive 1.5mm Screw Titanium 8mm
- TTARI5STAR09** TTA Rapid Star Drive 1.5mm Screw Titanium 9mm
- TTARI5STAR10** TTA Rapid Star Drive 1.5mm Screw Titanium 10mm
- TTARI5STAR12** TTA Rapid Star Drive 1.5mm Screw Titanium 12mm
- TTARI5STAR14** TTA Rapid Star Drive 1.5mm Screw Titanium 14mm
- TTARI5STAR16** TTA Rapid Star Drive 1.5mm Screw Titanium 16mm
- TTARI5STAR18** TTA Rapid Star Drive 1.5mm Screw Titanium 18mm
- TTARI5STAR20** TTA Rapid Star Drive 1.5mm Screw Titanium 20mm

TTA Rapid Star Drive 2.0mm Screw Titanium



- TTAR20STAR05** TTA Rapid Star Drive 2.0mm Screw Titanium 5mm
- TTAR20STAR06** TTA Rapid Star Drive 2.0mm Screw Titanium 6mm
- TTAR20STAR07** TTA Rapid Star Drive 2.0mm Screw Titanium 7mm
- TTAR20STAR08** TTA Rapid Star Drive 2.0mm Screw Titanium 8mm
- TTAR20STAR09** TTA Rapid Star Drive 2.0mm Screw Titanium 9mm
- TTAR20STAR10** TTA Rapid Star Drive 2.0mm Screw Titanium 10mm
- TTAR20STAR12** TTA Rapid Star Drive 2.0mm Screw Titanium 12mm
- TTAR20STAR14** TTA Rapid Star Drive 2.0mm Screw Titanium 14mm
- TTAR20STAR16** TTA Rapid Star Drive 2.0mm Screw Titanium 16mm
- TTAR20STAR18** TTA Rapid Star Drive 2.0mm Screw Titanium 18mm
- TTAR20STAR20** TTA Rapid Star Drive 2.0mm Screw Titanium 20mm

TTA Rapid Screwdriver Shafts For 1.5, 2.0 & 2.4mm



- TTARI28152015** TTA Rapid S/Driver Shaft For 1.5 Star Drive 100mm AO Fitting
- TTARI28152020** TTA Rapid S/Driver Shaft For 2.0/2.4 Star Drive 100mm AO Fit

TTA Rapid L Shape Saw Guide For Tiny Cages



TTARI32404200 TTA Rapid L Shape Saw Guide For Tiny Cages

Twist Drills



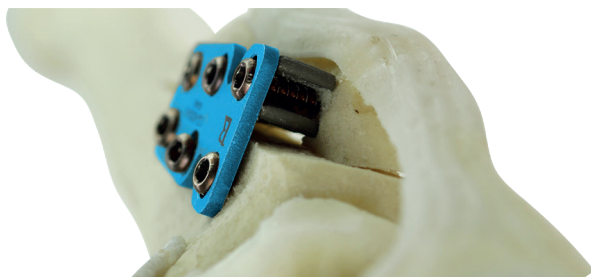
- TTARI48008111** Twist Drill 1.1mm AO 140/30mm AO-Shaft
- TTARI48008011** Twist Drill 1.1mm Standard Straight Shank
- TTARI48008115** Twist Drill 1.5mm AO 140/30mm AO-Shaft
- TTARI48008015** Twist Drill 1.5mm Standard Straight Shank

Rapid Luxation Plating System

Correction of a patella luxation without TTA operation.

This technique is suitable for dogs which do not have a cruciate ligament rupture but suffer from a patella luxation.

For further information please contact our team of Technical Support Specialists on 0345 130 9596 or email info@vetinst.com



Patella Luxation Plate - Titanium



132-8200-01 Rapid Luxation Plate 6 Hole Titanium 1.5mm Thick for 2.4mm Screws

132-8200-02 Rapid Luxation Plate 4 Hole Titanium 1mm Thick for 2.4mm Screws

132-8200-03 Rapid Luxation Plate Petite 4 Hole Titanium 1mm Thick for 2mm Screws

Rapid Luxation Set



The Rapid Luxation Set contains:

- 1 x Sterilisation Tray with Lid
- 3 x of each 2.0mm Screw (6-20mm) (24 in total)
- 3 x of each 2.4mm Screw (6-40mm) (54 in total)
- 1 x of each Rapid Luxation Plate (3 pieces in total)
- 1 x of each Patella Spacers (18 pieces in total)
- 1 x Large Sawguide with Pin & K-Wire
- 1 x Tiny Sawguide with Pin & K-Wire
- 1 x Tibia Tappet - Petite
- 1 x Tibia Tappet - Standard
- 1 x Screwdriver Handle
- 1 x Screw Driver Shaft 2.4 + 2.0 with Holding Sleeve
- 1 x Plate Holding Forceps
- 1 x Depth Gauge
- 1 x Drill Guide
- 1 x Drills 1.5 & 1.8

TTARI32800000 Rapid Luxation Set

TTA Rapid® Tibial Tappet & Patellar Luxation Spacers

Patellar Luxation in combination with TTA Rapid

Especially but not only with small dogs patella luxation issues can come along with a cranial cruciate ligament rupture. Even lower grade patella luxation can become more severe with a torn cruciate ligament.

The rotational stability which is provided by the cruciate ligament does not exist any longer. This may result in a luxating patella which did not show any clinical signs before CCL rupture.

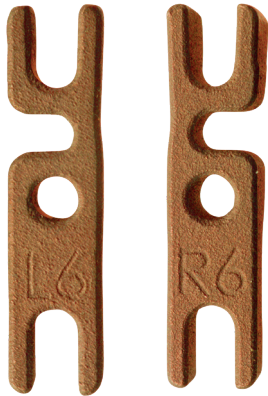
With the new Rita Leibinger patella spacers the patella luxation can be corrected when a cruciate ligament repair surgery has to be done anyways.

With the new Tibia Tappet the tibia tuberosity can easily be transposed after the TTA Rapid cage is inserted into the open partial osteotomy. The Patella Spacers can then easily be placed between the screw holes of the cage & the bone.

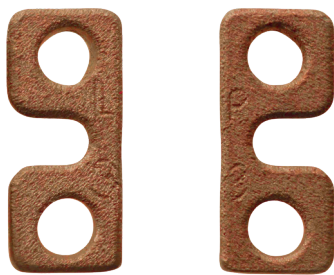
Cage & Spacer can be fixed with the 2.4mm TTA Rapid screws.

Identical to the TTA Rapid Cage also the Patella Spacers are made of purest Titanium for best biocompatibility.

TTA Rapid Patellar Luxation Spacers



- TTARI32801002L** TTA Rapid Patellar Luxation Spacer 3 Holes 2mm Height Left
- TTARI32801002R** TTA Rapid Patellar Luxation Spacer 3 Holes 2mm Height Right
- TTARI32801004L** TTA Rapid Patellar Luxation Spacer 3 Holes 4mm Height Left
- TTARI32801004R** TTA Rapid Patellar Luxation Spacer 3 Holes 4mm Height Right
- TTARI32801006L** TTA Rapid Patellar Luxation Spacer 3 Holes 6mm Height Left
- TTARI32801006R** TTA Rapid Patellar Luxation Spacer 3 Holes 6mm Height Right



- TTARI32802002L** TTA Rapid Patellar Luxation Spacer 2 Holes 2mm Height Left
- TTARI32802002R** TTA Rapid Patellar Luxation Spacer 2 Holes 2mm Height Right
- TTARI32802003L** TTA Rapid Patellar Luxation Spacer 2 Holes 3mm Height Left
- TTARI32802003R** TTA Rapid Patellar Luxation Spacer 2 Holes 3mm Height Right
- TTARI32802004L** TTA Rapid Patellar Luxation Spacer 2 Holes 4mm Height Left
- TTARI32802004R** TTA Rapid Patellar Luxation Spacer 2 Holes 4mm Height Right



- TTARI32803001L** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 1mm Height Left
- TTARI32803001R** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 1mm Height Right
- TTARI32803002L** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 2mm Height Left
- TTARI32803002R** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 2mm Height Right
- TTARI32803003L** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 3mm Height Left
- TTARI32803003R** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 3mm Height Right
- TTARI32803004L** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 4mm Height Left
- TTARI32803004R** TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 4mm Height Right

TTA Rapid Tibial Tappet & TTA Rapid Petite Tibial Tappet



The Tappet is to simplify the transposition of the tibia tuberosity & easy application of the patella luxation spacers.



Function

- The Tappet is put into either the cranial or caudal screw holes (top & centre screw hole for the 3-hole cages for size 9 & up) of the TTA Rapid cage depending if there is a medial or lateral patella luxation
- Then the tappet can be rotated, it fixates itself in the screw holes of the cage & transposes the tibia crest to the medial or lateral side. The scale (in mm) on the top of the instruments shows exactly how far tibia crest is transposed
- Then the spacer will be placed between the cage & the bone & after this the tappet can be removed



- TTARI32407000** TTA Rapid Tibial Tappet
- TTARI32407100** TTA Rapid Petite Tiny Tibial Tappet

Triple Tibial Osteotomy (TTO) Instrumentation

Some instrumentation is required to make the procedure easier & to minimise errors. Warrick Bruce's original instrument Set comprises a Saw Guide, Measuring/marketing Gauge (Osteometer) & a Bone Manipulation Device (Wedgie). The Saw Guide works with flat oscillating blades with a maximum cut thickness of 1mm (thickness at the teeth). Warrick's new, more sophisticated designs are shown below. Available as a Set (Code TTO009).

Warrick Bruce designed two new instruments to make the TTO procedure easier & to eliminate some of the practical difficulties encountered using the original instrumentation. The combined Osteometer & Saw Guide interlock to become a single instrument which is much easier to manage than the original two separate instruments. The thumbscrew locks the Osteometer onto the Saw Guide for secure accurate osteotomies. The Osteometer still has holes for fixation to the tibia using 1.6 arthrodesis wires. Alternatively, 'the Clasper' may be used to lock the Osteometer onto the tibia prior to cutting. The 'Clasper' has an additional role in that it is used to replace the kern bone holders in the original technique. The 'Clasper' grasps the tibia crest prior to closure & incorporates location holes for the very large fragment forceps to lock into. The 'Wedgie', used for manipulating the three osteotomies, remains unchanged.

Original TTO Instrumentation

TTO006	Basic Osteometer
TTO004	Saw Cutting Guide (Standard 62mm)
TTO002	Wedgie Segment Manipulator
TTO004L	Saw Cutting Guide (Long 76mm)

Revised TTO Instrumentation

TTO011	Combination Osteometer/Sawguide
TTO014	TTO Clasper
TTO002	Wedgie Segment Manipulator
TTO009	Enhanced TTO Instrument Set (All Of Above)



TTO Plates

The Standard TTO Plate is a cloverleaf TPLO Plate. Being positioned over the caudal 2/3 of the tibia the plate selected is typically a little smaller than is the case with a wedge TPLO. Use the free plate overlay for the final selection. Thicker plates are harder to contour & a selection of pre-contoured plates are available.

TPLO202026	2.0mm DCP 26mm Overall Length
TPLO202031	2.0mm DCP 31mm Overall Length
TPLO242434	2.4mm DCP 34mm Overall Length
TPLO242441	2.4mm DCP 41mm Overall Length
TPLO272739	2.7mm DCP 39mm Overall Length
TPLO272745	2.7mm DCP 45mm Overall Length
TPLO273539	2.7/3.5 DCP 39mm Overall Length Allows Use Of 3.5mm Cancellous Screw In Head
TPLO273545	2.7/3.5 DCP 45mm Overall Length 2.5mm Thick
TPLO353555	3.5mm DCP 55mm Overall Length
TPLO353557	3.5mm DCP 57mm Overall Length Heavy Duty
TPLO353559	3.5mm DCP 59mm Overall Length
TPLO353562	3.5mm DCP 62mm Overall Length
TPLO353565	3.5mm DCP 65mm Overall Length
TPLO353577	3.5mm DCP 77mm Overall Length
TPLO353577X	3.5mm DCP 77mm Overall Length Extra Shaft Hole
TPLO353579	3.5mm DCP 79mm Overall Length Heavy Duty
TPLO354579	3.5/4.5 DCP 79mm Overall Length Heavy Duty Allows 4.5mm Screws In Head
TPLO35456579	79mm Overall Length Heavy Duty Allows 4.5/6.5mm Screws In Head
TPLO45659030	4.5mm DCP 90mm Overall Length Will Accept 6.5mm Cancellous Screws In Head 3.0mm Thick
TPLO45659035	4.5mm DCP 90mm Overall Length Will Accept 6.5mm Cancellous Screws In Head 3.5mm Thick
TPLO45659045	4.5mm DCP 90mm Overall Length Will Accept 6.5mm Cancellous Screws In Head 4.5mm Thick
TPLOO	Angle Finder & Plate Overlay

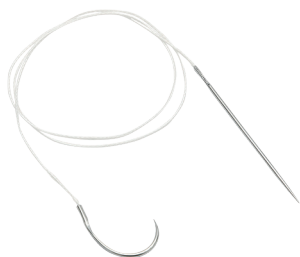
Pre-Contoured TTO Plates

TPLO353555PCR	3.5mm Plate 55mm Overall Length Right
TPLO353555PCL	3.5mm Plate 55mm Overall Length Left
TPLO353557PCR	3.5mm Plate 57mm Overall Length Right
TPLO353557PCL	3.5mm Plate 57mm Overall Length Left
TPLO353579PCR	3.5mm Plate 79mm Overall Length Right
TPLO353579PCL	3.5mm Plate 79mm Overall Length Left

Extracapsular Cruciate Surgery Techniques

Material Choices For Extracapsular Techniques

LigaFiba®



LigaFiba® is an extremely strong surgical suture material. It is composed of braided Ultra High Molecular Weight Polyethylene, with a braided outer sheath.

Weight for weight it is 15x stronger than steel & 2.5x stronger than nylon. It has very good abrasion characteristics which is important when used in hostile environments such as lateral sutures & hip toggles.

Rose et al in Veterinary Surgery 41 (2012) 266-272 found that LigaFiba® out performed FiberTape, FiberWire, Xgen Orthofiber & Mason Leader Line with respect to tensile strength, stiffness at failure, loading at elongation & resistance to cyclic elongation.

LigaFiba® has a number of applications in veterinary orthopaedics & is available in a range of sterile presentations.

- Ligament & Tendon Repairs
- Cruciate Lateral Sutures
- Bone Tunnel Cruciate Procedures
- Hip Toggle Procedure

As a braided material the use of LigaFiba® requires strict attention to aseptic technique during implantation.

Monofilament Nylon

Monofilament line used as a lateral suture (De Angelis style) is still an accepted CCL treatment method. Crimping is strongly recommended as the knots formed tend to be large, often causing seroma reactions & pain due to soft tissue irritation.

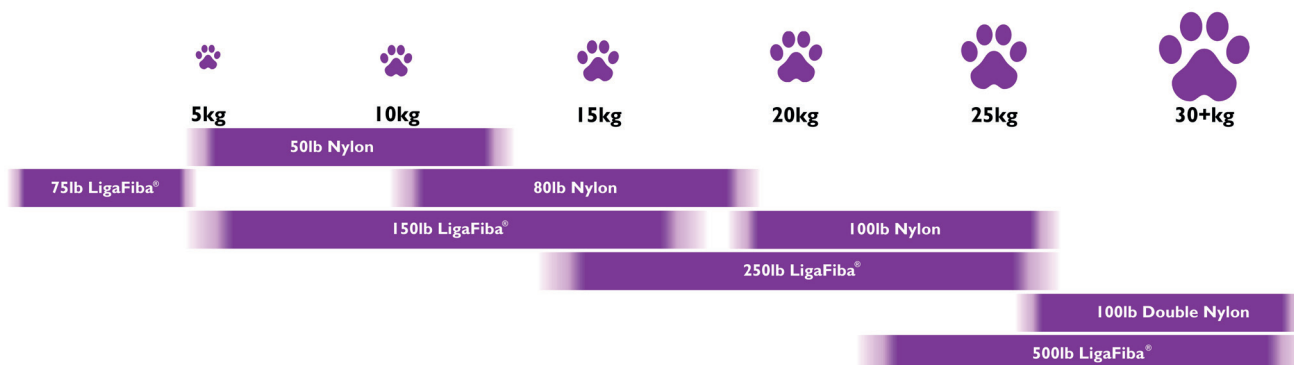
Packs are supplied sterile. Autoclaving is not recommended as this reduces the strength & increases the elasticity of the material.

Double sutures are supplied swaged on as a loop for use of the self-locking McKee/Miller knot (VCOT 1999;12:78-80) or with 2 crimps. One needle pass around the fabella allows two lines to be placed with less peri-fabellar damage.

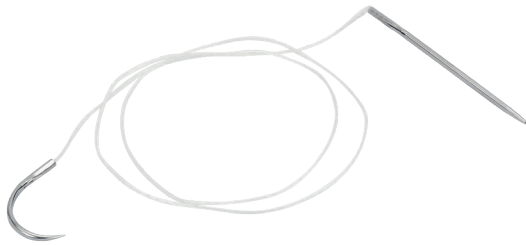


Which line should I choose?

If a patient is above their ideal bodyweight, is particularly boisterous, or if there are concerns about post-operative compliance, a surgeon may choose to go up a size at their own discretion.



Lateral Suture Using LigaFiba® LigaFiba® Lateral Sutures



Extreme strength, minimal stretch & good abrasion characteristics make LigaFiba® an ideal material for lateral sutures. The loop may be either tied or crimped at the end of the procedure. LigaFiba® for any given diameter is more than twice as strong as monofilament nylon. Lateral sutures are supplied sterile with size appropriate cruciate needle on one end & a straight round bodied needle at the other. Supplied sterile.

- LFLS75** 75lb LigaFiba® Lateral Suture (300mm)
- LFLS150** 150lb LigaFiba® Lateral Suture (500mm)
- LFLS500** 500lb LigaFiba® Lateral Suture (600mm)

Double LigaFiba® Lateral Suture



Double strand presentation with no crimps. Supplied sterile

- LFLS250D** Double 250lb LigaFiba® Lateral Suture (500mm)

LigaFiba® Lateral Sutures With Crimp



LigaFiba® does knot securely but for maximum security requires 6 throws which creates a rather bulky knot. Crimping creates a secure, low profile, radio-dense joint between the free ends of LigaFiba®. To make passing the LigaFiba® through the crimp a simple process the 25mm of LigaFiba® nearest the needle has been processed to minimise fraying. Always cut the lateral suture near the needle. Supplied sterile.

- LFLSCR75** 75lb LigaFiba® Lateral Suture (300mm) + Crimp
- LFLSCR150** 150lb LigaFiba® Lateral Suture (500mm) + Crimp
- LFLSCR250** 250lb LigaFiba® Lateral Suture (500mm) + Crimp
- LFLSCR250D** Double 250lb LigaFiba® Lateral Suture (500mm) with 2 Crimps
- LFLSCR500** 500lb LigaFiba® Lateral Suture (600mm) + Crimp

LigaFiba® Lateral Suture With Crimp Starter Kit



The LigaFiba® Lateral Suture With Crimp Starter Kit contains everything needed at a substantial discount.

The Kit contains the following:

- Compound Action Crimpers for LigaFiba®
- Heavy Duty Needle Driver
- 2x 150lb LigaFiba® Lateral Suture with Crimp
- 2x 250lb LigaFiba® Lateral Suture with Crimp
- 2x 500lb LigaFiba® Lateral Suture with Crimp
- LigaFiba® Scissors

- LFLSCRSTARTER** LigaFiba® Lateral Suture With Crimp Starter Kit

LigaFiba® Scissors



LigaFiba® is so tough it is difficult to cut & will damage standard scissors. Use our special T.C. Scissors with a custom cutting edge.

- LFS140TC** LigaFiba® Scissors T.C. 145mm

Compound Action Crimpers For LigaFiba®



The Compound Action Crimper delivers a pre-measured crimp with minimal effort. The jaw cut outs prevent over crimping. These Crimpers require the least effort of any Vi Crimper available. The Compound Action Crimper is suitable for all crimps apart from the thin walled 10mm crimp for 50lb Nylon which suits the Standard Simple Action Crimper.

- 091135M** LigaFiba® Compound Action Crimpers 245mm

LigaFiba® Crimps

Spare crimps for LigaFiba®. Please note that only the LigaFiba® Crimper is powerful enough for LigaFiba® Crimps.

- LFCRIMP75** Crimp for 75lb LigaFiba®
- LFCRIMP150** Crimp for 150lb LigaFiba®
- LFCRIMP250** Crimp for 250lb LigaFiba®
- LFCRIMP500** Crimp for 500lb LigaFiba®
- 091135M** LigaFiba® Compound Action Crimpers 245mm

Lateral Suture Using Nylon

Sterile CCL Packs

Monofilament line used as a lateral suture (De Angelis style) is an accepted CCL treatment method. Crimping is strongly recommended as the knots formed tend to be large, often causing seroma reactions & pain due to soft tissue irritation.

Packs are supplied sterile. Autoclaving is not recommended as this reduces the strength & increases the elasticity of the material.

Double sutures are supplied swaged on as a loop for use of the self-locking McKee/Miller knot (VCOT 1999; 12:78-80) or with 2 crimps. One needle pass around the fabella allows two lines to be placed with less peri-fabellar damage.

Sterile Leader Line + Crimp + Needle

Procedure packs containing suture, swaged on needle & crimp.

- 091155 50lb Nylon Line x 500mm On Swaged-On V. Small Fabella Needle + 10mm Crimp (Sterile)
- 091156 80lb Nylon Line x 800mm On Swaged-On Small Fabella Needle + 12mm Crimp (Sterile)
- 091157 100lb Nylon Line x 800mm On Swaged-On Medium Fabella Needle + 12mm Crimp (Sterile)

Double Leader Line + Needle + Crimps

For the application of double lines with the single pass of a needle.

- 091165 50lb Double Line (500mm x 2 As Loop) On V Small Fabella Needle Plus 2 x 10mm Crimps (Sterile)
- 091166 80lb Double Line (800mm x 2 As Loop) On Small Fabella Needle Plus 2 x 12mm Crimps (Sterile)
- 091167 100lb Double Line (800mm x 2 As Loop) On Medium Fabella Needle Plus 2 x 12mm Crimps (Sterile)

Double Leader Line Loop on Needle

For use with McKee/Miller knot.

- 091160 50lb Double Line (500mm x 2 As Loop) On V Small Fabella Needle
- 091161 80lb Double Line (800mm x 2 As Loop) On Small Fabella Needle
- 091162 100lb Double Line (800mm x 2 As Loop) On Medium Fabella Needle

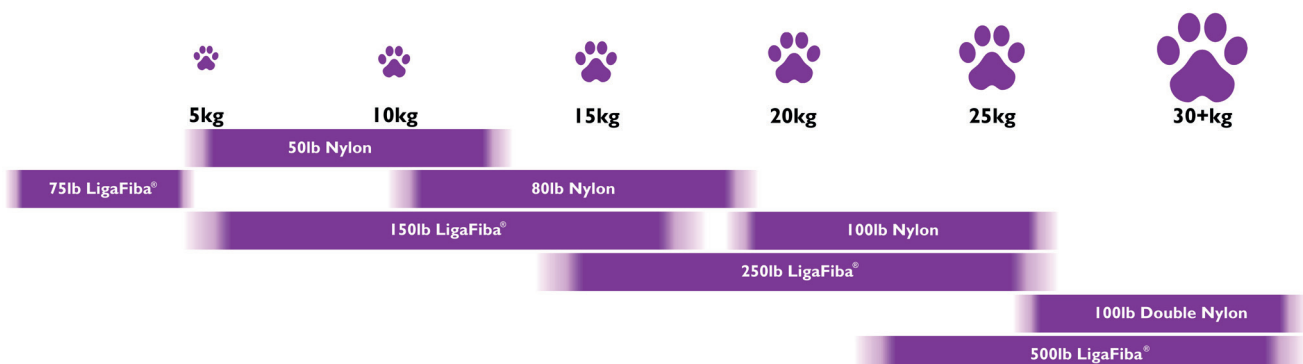
Sterile Leader Line + Crimp

For use with separate Fabella (Cruciate) Needles.

- 091142 10mm Tube Crimp + 500mm x 50lb Nylon (Sterile Pack)
- 091137 12mm Tube Crimp + 800mm x 80lb Nylon (Sterile Pack)
- 091147 12mm Tube Crimp + 800mm x 100lb Nylon (Sterile Pack)

Which line should I choose?

If a patient is above their ideal bodyweight, is particularly boisterous, or if there are concerns about post-operative compliance, a surgeon may choose to go up a size at their own discretion.



Sterile Nylon Leader Line

Also useful for other ligament replacement procedures, e.g. hip toggle, collateral ligament repair.

- 091141 500mm x 50lb Nylon (Sterile Pack)
- 091139 800mm x 80lb Nylon (Sterile Pack)
- 091148 800mm x 100lb Nylon (Sterile Pack)

Crimps

- 091140 10mm Tube Crimp for 50lb Line (Non Sterile)
- 091136 12mm Tube Crimp for 80lb + 100lb Line (Non Sterile)
- 091133 14mm Tube Crimp (Non Sterile) Suitable For Nylon Over 100lb
- 091140/10 10mm Tube Crimp For 50lb Line (Non Sterile) 10 Pack
- 091136/10 12mm Tube Crimp For 80lb+100lb Line (Non Sterile) 10 Pack
- 091133/10 14mm Tube Crimp (Non Sterile) Suitable For Nylon Over 100lb 10 Pack

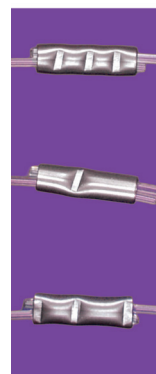
Fabella (Cruciate) Needles

Most surgeons now use our sterile procedure packs which include swaged on needle & appropriate crimps. However, if you wish to sterilise your own nylon we offer appropriate needles. They are shown below approximately actual size. Bear in mind that leader line passed through a regular needle creates more damage as it passes through the femoro-fabella ligament. It is this ligament which is relied on for the holding power of the suture. Cruciate needles will pass through a hole created with a 2.7mm bone tunnel borer into the tibial crest.



- 091144VS Fabella Needle Very Small - Pack Of 6 Has Regular Eye
- 091144 Fabella Needle Small - Pack Of 6 Has Regular Eye
- 091145 Fabella Needle Medium - Pack Of 6 Has Regular Eye
- 091146 Fabella Needle Large - Pack Of 6 Has Regular Eye

Correct Crimping



✓ **Correct.**
Three evenly spaced crimps

✗ **Incorrect.**
Not enough crimps

✗ **Incorrect.**
Crimps too close to end of tube

Lateral Suture Starter Kits

LigaFiba® Lateral Suture With Crimp Starter Kit



The LigaFiba® Lateral Suture With Crimp Starter Kit contains everything needed at a substantial discount.

The Kit contains the following:

- Compound Action Crimpers for LigaFiba®
- Heavy Duty Needle Driver
- 2x 150lb LigaFiba® Lateral Suture with Crimp
- 2x 250lb LigaFiba® Lateral Suture with Crimp
- 2x 500lb LigaFiba® Lateral Suture with Crimp
- LigaFiba® Scissors

LFSCRSTARTER LigaFiba® Lateral Suture with Crimp Starter Kit

Nylon Lateral Suture Starter Kits

If you are new to the lateral suture system our kits represent the most economical means.



This Vi Starter Kit contains:

- 1x Crimping Forceps (091135)
- 2x 50lb Nylon Line with Swaged on Needle & Crimp (091155)
- 2x 80lb Nylon Line with Swaged on Needle & Crimp (091156)
- 2x 100lb Nylon Line with Swaged on Needle & Crimp (091157)

091154 CCL Suture System (Swaged on) Basic Kit Crimping Forceps
2x Each Size Nylon/Needle/Crimp Sterile Packs



This Vi Starter Kit contains:

- 1x Compound Action Crimping Forceps (091135C)
- 2x 50lb Nylon Line With Swaged On Needle & Crimp (091155)
- 2x 80lb Nylon Line With Swaged On Needle & Crimp (091156)
- 2x 100lb Nylon Line With Swaged On Needle & Crimp (091157)

091150 CCL Suture System (Swaged On) Compound Action Kit
2x Each Size Nylon/Needle/Crimp Sterile Packs



This Vi Starter Kit contains:

- 1x Crimping Forceps (091135)
- 1x Heavy Duty Needle Driver (091153)
- 2x 50lb Nylon Line with Swaged on Needle & Crimp (091155)
- 2x 80lb Nylon Line with Swaged on Needle & Crimp (091156)
- 2x 100lb Nylon Line with Swaged on Needle & Crimp (091157)

091151 CCL Suture System (Swaged On) Basic Kit Plus
Forceps 2x Each Size Nylon/Needle/Crimp Sterile Packs
Plus Heavy Duty Needleholders

Instrumentation For Lateral Suture Crimping Forceps



Basic simple action crimper for monofilament line only.

091135 Crimping Forceps 195mm Long

Compound Action Crimper



Compound action crimper for monofilament line only, for both 10 & 12mm crimps. Delivers a more powerful crimp than the standard crimper. Although the angled head gives better visibility, this reduces the power of the action versus a straight crimper. See LigaFiba® products for a straight compound crimper for 12mm crimps.

091135C Compound Action Crimper 230mm Long

Compound Action Crimpers For LigaFiba®



The Compound Action Crimper delivers a pre-measured crimp with minimal effort. The jaw cut outs prevent over crimping. These Crimpers require the least effort of any Vi Crimper available. The Compound Action Crimper is suitable for all crimps apart from the thin walled 10mm crimp for 50lb Nylon which suits the Standard Simple Action Crimper.

091135M LigaFiba® Compound Action Crimpers 245mm

Heavy Duty Needle Driver



The large needles used for cruciate lateral suture placement along with the force needed to pass them will damage standard needleholders. A dedicated heavy duty TC needle driver kept with the cruciate kit will prove more cost effective, & improve grip on the needle.

091153 Heavy Duty Needle Driver With Tungsten Jaws 195mm Long

Countersinking Bone Tunnel Borer - Modular Set

In order to minimise the stress & abrasion of the nylon as it passes through the bone tunnel, countersinking the hole is advisable. To reduce time & instrumentation the self-countersinking instrument incorporates a countersink on the shaft.

001075M Bone Tunnel Borer With Countersink Modular Set

Bone Tunnel Borer

Used to create bone tunnels without setting up the power drill. Useful where single holes are required, for example tension band procedures.

001070M Bone Tunnel Borer 2mm Modular
001073M Bone Tunnel Borer 2.5mm Modular
001071M Bone Tunnel Borer 2.7mm Modular
001072M Bone Tunnel Borer 3.5mm Modular

LigaFiba® Scissors



LigaFiba® is so tough it is difficult to cut & will damage standard scissors. Use our special T.C. Scissors with a custom cutting edge.

LFS140TC LigaFiba® Scissors T.C. 145mm

Loop Tension Devices

Prior to crimping it is suggested that the loop be tensioned sufficiently to eliminate the anterior draw, but not enough to create an outward rotation. Many surgeons achieve this by hand but others may choose to use a tensioning device.

CCL Tensioning Device



091132P CCL Tensioning Device (Pair - Gelpis Not Included)

CCL Loop Tensioning



Leader line gripped by thumbscrew.

Does not require use of extra crimps - less wasteful.

Speed lock type action gives more 'feel' than ratchet type.

Jaws designed specifically for crimping system.

The literature tells us little about the correct tension. We recommend that the anterior draw is eliminated but that an outward rotation of the tibia is not created.

Remember over tensioning is as big a technical error as under tensioning!

091132A CCL Loop Tensioner 175mm

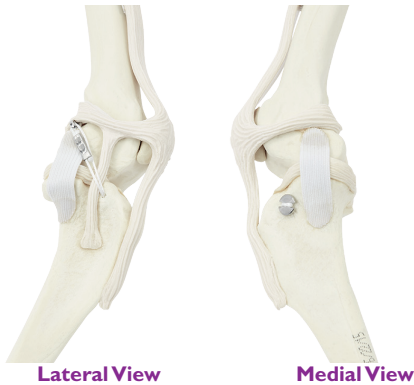
Lateral Suture Tension Device



This is the Standard Lateral Suture Tension Device in the USA. Ratchet based, it relies on the jaws pulling against crimps attached to the free ends of the loop. It is simple & effective but does require two extra crimps which are ultimately discarded. Remember, over tensioning loops creates as many problems as under tensioning.

091158 Lateral Suture Tensioner 170mm

Lateral Button Suture



Nylon Lateral Button Suture

- NLBS50TI** 50lb Nylon Lateral Button Suture With Titanium Button
- NLBS80TI** 80lb Nylon Lateral Button Suture With Titanium Button
- NLBS100TI** 100lb Nylon Lateral Button Suture With Titanium Button



LigaFiba® Lateral Titanium Button Suture

- LFLBS75TI** 75lb LigaFiba® Lateral Button Suture Ti Button
- LFLBS150TI.** 150lb LigaFiba® Lateral Button Suture Ti Button
- LFLBS250TI.** 250lb LigaFiba® Lateral Button Suture Ti Button
- LFLBS250DTI.** 250lb LigaFiba® Lateral Button Suture Double/Ti Button
- LFLBS500TI.** 500lb LigaFiba® Lateral Button Suture Ti Button

LigaFiba® Lateral Button Suture With Crimp Starter Kit

The LigaFiba® Lateral Button Suture With Crimp Starter Kit contains everything needed at a substantial discount.

The Standard Kit contains:

- Compound Action Crimpers For LigaFiba®
- Heavy Duty Needle Driver
- 2x 150lb LigaFiba® Lateral Button Suture With Crimp
- 2x 250lb LigaFiba® Lateral Button Suture With Crimp
- 2x 500lb LigaFiba® Lateral Suture Button With Crimp
- LigaFiba® Scissors

The Small Kit contains:

- Compound Action Crimpers For LigaFiba®
- Heavy Duty Needle Driver
- 2x 75lb LigaFiba® Lateral Button Suture With Crimp
- 2x 150lb LigaFiba® Lateral Button Suture With Crimp
- 2x 250lb LigaFiba® Lateral Suture Button With Crimp
- LigaFiba® Scissors

LFLBSSTARTERTI LigaFiba® Lateral Titanium Button Suture With Crimp Starter Kit - Standard

LFLBSSTARTERTI/S LigaFiba® Lateral Titanium Button Suture With Crimp Starter Kit - Small

Nylon Lateral Button Suture Starter Kit

The Nylon Lateral Titanium Button Starter Kit contains:

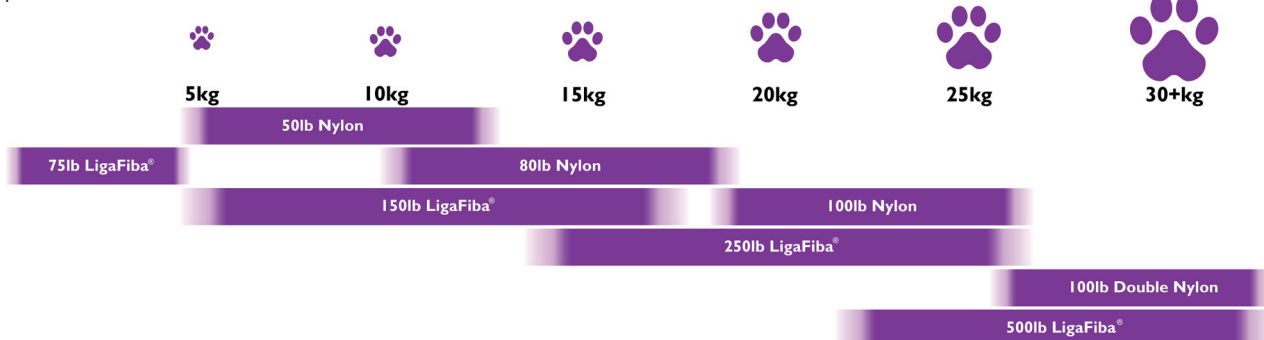
- 2x 50lb Nylon Lateral Button Suture With Titanium Button
- 2x 80lb Nylon Lateral Button Suture With Titanium Button
- 2x 100lb Nylon Lateral Button Suture With Titanium Button
- 1x Crimping Forceps
- 1x Heavy Duty Needle Driver
- 1x Anti-Skid Drill 2.0mm 100mm Long
- 1x Anti-Skid Drill 2.5mm 115mm Long
- 1x Anti-Skid Drill 3.5mm 180mm Long

NLBSKITTI Nylon Lateral Titanium Button Starter Kit



Which line should I choose?

If a patient is above their ideal bodyweight, is particularly boisterous, or if there are concerns about post-operative compliance, a surgeon may choose to go up a size at their own discretion. .



LigaFiba® Iso Toggle

LigaFiba® Iso Toggle Sutures



Lateral view

Cranial view

Medial view

The Iso Toggle suture is placed via bone tunnels across the stifle at isometric points. The use of isometric points maximises the range of movement of the stifle & protects the suture from repeated stretching & abrasion. The suture is anchored over buttons on the medial side.

Available in all three sizes of LigaFiba®

- 150lb** Dogs up to 15kg
- 250lb** Dogs up to 25kg
- 500lb** Dogs over 25kg

The Iso Toggle Starter Kit contains:

- 2x 250lb sutures
- 2x 500lb sutures
- 1x 2.5mm Antiskid Drill Bit
- 1x 3.5mm Antiskid Drill Bit

- LFITS150TI** 150lb Iso Toggle Suture Set
- LFITS250TI** 250lb Iso Toggle Suture Set
- LFITS500TI** 500lb Iso Toggle Suture Set
- LFISOKIT** Iso Toggle Starter Kit (250 & 500lb) x2 Of Each

Iso Toggle Aiming Device - Adjustable Drill Guide

Useful for the placement of the femoral bone tunnel which can be more challenging than the tibial tunnel. Adjustable Drill Guide with an appropriately sized drill slider may be used to pre-determine the line of the tunnel & offer protection of the soft tissues. The arms of the guide have sufficient 'spring' in them so if pre-stressed the guide is self retaining.



ADJDG2035 Adjustable Drill Guide 175mm

Titanium Buttons



- TIBUT6H** Titanium Button 6mm 2 Holes
- TIBUT6S** Titanium Button 6mm 2 Slots
- TIBUT9H** Titanium Button 9mm 2 Holes
- TIBUT9S** Titanium Button 9mm 2 Slots
- TIBUT11H** Titanium Button 11mm 2 Holes
- TIBUT11S** Titanium Button 11mm 2 Slots

Iso Toggle Consumables

- H090102AS** 2.0mm Antiskid Drill (150lb) 100mm
- H090112AS** 2.5mm Antiskid Drill (250lb) 115mm
- H090106SAS/L** 3.5mm Antiskid Drill (500lb) 180mm

LigaFiba® IsoToggle Locking Interference Screw



The Iso Toggle suture is an extra-capsular suture placed isometrically through bone tunnels. The LigaFiba® knots very well but there is now an alternative.

The Locking Interference Screw offers an alternative to tying over a button. The Screw has a tapered, soft profile thread which jams the LigaFiba® into the bone tunnel. The Screw may be partially introduced as a temporary measure to assess joint stability & range of movement. Once the surgeon is satisfied, the screw is driven home to lock the suture.

- LFIS253518SS** Interference Screw 3.5 Stainless 18mm
- LFIS253518TI** Interference Screw 3.5 Titanium 18mm
- LFIS354523SS** Interference Screw 4.5 Stainless 23mm
- LFIS354523TI** Interference Screw 4.5 Titanium 23mm

Please contact us for Step By Step Guides to Lateral Suture, Lateral Button Suture & Iso Toggle.

Suture Screws & Suture Anchor Pins

Suture Screws

Suture screws are a self-tapping screw with an eyed head, designed to be used as a versatile, economic suture anchor. The thread pattern is the same as the equivalent type of cortical or cancellous screw.

Sizes range from 2.0mm cortical to 4.0mm cancellous to cover a wide range of patients.

Pre drill with the standard pilot for the screw size selected, screw in with the dedicated insertion tool.

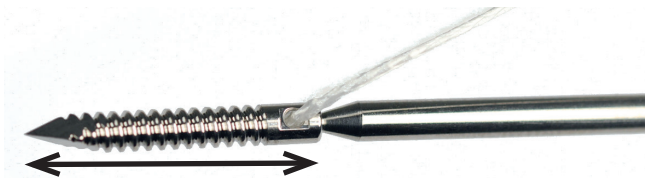
Also available as a boxed kit consisting of a set of 2 of each size screw plus 1 of each of 3 sizes of LigaFiba® in a stainless steel case.



Suture Screws

SS2006	2.0mm Diameter 6mm Long 1.0mm Hole Cortical
SS2010	2.0mm Diameter 10mm Long 1.0mm Hole Cortical
SS2708	2.7mm Diameter 8mm Long 1.5mm Hole Cortical
SS2714	2.7mm Diameter 14mm Long 1.5mm Hole Cortical
SS3512	3.5mm Diameter 12mm Long 2.0mm Hole Cortical
SS3520	3.5mm Diameter 20mm Long 2.0mm Hole Cortical
SS4016	4.0mm Diameter 16mm Long 2.0mm Hole Cancellous
SS4024	4.0mm Diameter 24mm Long 2.0mm Hole Cancellous
SSITKIT	Suture Screw Set (16 Screws + Introducer + 3 Suture Packs)
SSITUN	Universal Insertion Tool For All Suture Screws

Suture Anchor Pin



Suture Anchor Length

A threaded suture anchor is machined into the tip of a trochar pin. Immediately proximal to the suture anchor is a narrow break off point. The construct is stable during axial drilling of the pin into bone. Once in position with the hole of the anchor just above the surface of the bone the shaft of the pin is rocked to & fro. The stainless steel undergoes work hardening & becomes very brittle, ultimately breaking off leaving the anchor in position ready for placement of sutures. The suture anchor pin is extremely easy to position & place without pre-drilling. Length of pin into the bone is (approx) 2.5mm - 12mm, 3.0mm - 14mm & 4.0mm - 20mm.

SAP2.5	Suture Anchor Pin 2.5mm Diameter 1.0mm Hole 17mm Suture Anchor Length 125mm Overall Length
SAP3	Suture Anchor Pin 3mm Diameter 1.0mm Hole 21mm Suture Anchor Length 127mm Overall Length
SAP4	Suture Anchor Pin 4mm Diameter 2.0mm Hole 26mm Suture Anchor Length 136mm Overall Length

LigaFiba® Tendon & Ligament Sutures

LigaFiba® is available in sterile single lengths for use in conjunction with any suitable suture anchor system. LigaFiba® is so tough it is difficult to cut & will damage standard scissors. Use our special T.C. Scissors with a custom cutting edge.

LF150500	150lb LigaFiba® x 500mm <15kg
LF250600	250lb LigaFiba® x 600mm 15 - 30kg
LF500600	500lb LigaFiba® x 600mm >30kg
LFS140TC	LigaFiba® Scissors T.C. 145mm

Meniscus Surgery

Meniscus Surgery Set



Meniscus Surgery Set Enhanced

Management of meniscal injuries has three phases all of which will require special instrumentation.

- Exposure of the meniscus, particularly the caudal horn of the medial meniscus. This will require that the tibia is advanced & distracted relative to the femur
- Examination of the meniscus for lesions. A visual examination is not enough. The surface of the meniscus should be probed for defects & tears. The circumferential attachments should be checked for security
- Lesions discovered must be managed by debridement or meniscal release

The Meniscus Surgery Set includes all the essential instruments for the examination & management of meniscal injuries in a stainless steel autoclave case. Purchased as a set there are significant savings.

- Standard Stifle Distractor
- Hohman Retractor 8mm
- Meniscus Probe 1mm
- MicroToothed Halsteads
- Beaver Type Scalpel Handle
- 25x No 65 Blade (mini no 11)
- Stainless Case
- Silicone Protective Insert

001116 Meniscus Surgery Set

The Enhanced Meniscus Surgery Kit contains all the instruments in the standard kit, plus a small Stifle Joint Distractor (001113), a Push knife (AR-17-11X) & a Pull Knife (AR-17-19X).

The small Stifle Joint Distractor is also useful as small local muscle & tissue retractors in & around canine joints e.g. elbow exploration. Extends the use of the kit to smaller patients.

001117 Meniscus Surgery Set - Enhanced

Meniscus Instrumentation

Hook Knife & Push Knife



These three hand held knives can deal with most meniscal tears. Their low profile makes them suitable for both open & arthroscopic surgeries.

- AR-17-19XS** Hook Knife 150mm
- AR-17-19X** Hook Knife 225mm
- AR-17-11X** Push Knife 225mm

Stifle Lever

Atraumatic Tip



Exposure of the medial meniscus is never easy. Access is limited. The stifle levers are designed to fit the trochlea, while the atraumatic tip hooks behind the caudal tip of the tibial plateau. The levering action spreads the load over the surface of the trochlea, more effectively than a Hohman. Two sizes to cover most cases.

- 001115** Stifle Lever >20kg 225mm
- 001115S** Stifle Lever Small <20kg 165mm

Meniscus Probes



Used to probe the meniscus to check for tears, which may not be seen easily.

1mm – dogs up to 30kgs 2mm – dogs over 30kgs

- 001408** Meniscus Probe 1mm Tip 190mm
- 001409** Meniscus Probe 2mm Tip 220mm
- AR-17-10** Meniscus Probe 2.2mm Black Shaft For Arthroscopy 220mm

Toothed Halsteads



Very useful for grasping the meniscus.

- 103185** Halstead Mosquito Forceps 1/2 Teeth Cof 125mm
- 103180** Halstead Mosquito Forceps 1/2 Teeth Str 125mm

Fat Pad Retractor



A more practical alternative to a standard Senn for retracting the fat pad during examination of the medial meniscus. Available in both standard 3 prong & smaller 2 pronged versions

- 001114** Fat Pad Retractor 180mm
- 001114S** Fat Pad Retractor Small 180mm
- 833305** Senn Cats Paw Retractor 165mm

Meniscectomy Instruments



Purpose designed, the jaws of the Ligament Clamp have multiple small gripping teeth to combat synovial fluid slip. The T handle push knife is only sharp on the inner curve, not at the tips. Suitable for larger patients.

- 001100** Meniscectomy Instrument Set
- 001107** Meniscectomy Knife 165mm
- 001110** Ligament/Cartilage Clamp 140mm

Stifle Distractors

Stifle Distractor



Distractor is self-retaining. When closed the tips overlap making the points atraumatic as they enter the joint & reduce their profile for insertion into the joint

Designed to separate the femoral component of the stifle from the tibia. For the best exposure joint surfaces should move away from each other in a parallel fashion exposing The meniscus in its natural state & minimally distorted by the examination.

Positioning:

- One tip is placed in the intercondylar notch
- The other on the cranial intercondylar area
- Neither tip should involve articular cartilage
- Test distractions (by squeezing the handles) to find the exact point at which a full distraction will expose the meniscus
- Engage the spinlock to open the joint

- 001112/L Stifle Distractor Large Min Spread 10mm Max Spread 40mm 210mm Long
- 001112 Stifle Distractor Min Spread 8mm Max Spread 30mm 190mm Long
- 001112S Stifle Distractor Small Min Spread 6mm Max Spread 20mm
- 001112XS Stifle Distractor Extra Small

Small Stifle Joint Distractor



The Small Distractor is also useful as small local muscle & tissue retractors in & around canine joints e.g. elbow exploration. Total length 130mm.

- 001113 Small Joint Distractor/Retractor 6mm Wide Tips

Very Small Stifle Joint Distractor

The Very Small Distractor is extremely useful as a small joint retractor during the meniscal release procedure. It is used to open a small window, caudal to the medial collateral. Total length 140mm.

- 001113VS V Small Joint Distractor/Retractor 3mm Wide Tips

Miniature Stifle Distractor



Scaled down version of the Very Small Stifle Distractor for use in small & miniature breeds. Same overlapping tip pattern shown in all Vi stifle distractors.

- 001113VSX Miniature Stifle Distractor 100mm

Spinlock Stifle Distractor



Alternative spinlock version of the ratcheted stifle distractors. Spinlocks avoid the slippage which can occur with ratchets, & allow incremental opening of the joint which is not dependant on the tooth pitch of a ratchet.

- 001113SL Spinlock Small Stifle Distractor 140mm 6mm Tips
- 001113VSSL Spinlock Very Small Stifle Distractor 140mm 3mm Tips

Gelpi Self Retaining Retractor



Available as singles or sets of two Gelpis.

- 001330** Gelpi Retractor 120mm Spread (a=20mm) 180mm Long
- 001330SL** Gelpi Retractor With Spinlock (a=20mm) 180mm Long
- 001330S** Gelpi Retractor Sharp Tips (a=20mm) 180mm Long
- 001331** Gelpi Long Reach (a=40mm) 200mm Long
- 001331L** Gelpi Very Long Reach (a=60mm) 200mm Long
- 001332** Gelpi Small 60mm Spread (a=15mm) 135mm Long
- 0013301** Gelpi Mini Flat 45mm Spread (a=15mm) 90mm Long
- 0013302** Gelpi Mini Curved 45mm Spread (a=15mm) 90mm Long
- 0013303** Gelpi Mini Curved 45mm Spread Blunt Tips 90mm Long
- 001330/2** Gelpi Retractors 120mm Spread (a=20mm) 180mm Long Set Of 2
- 001330SL/2** Gelpi Retractors With Spinlock(a=20mm) 180mm Long Set Of 2
- 001330S/2** Gelpi Retractors Sharp Tips (a=20mm) 180mm Long Set Of 2
- 001331/2** Gelpi Long Reach (a=40mm) 200mm Long - Set Of 2
- 001331L/2** Gelpi Very Long Reach (a=60mm) 200mm Long - Set Of 2
- 001332/2** Gelpi Small 60mm Spread (a=15mm) 135mm Long - Set Of 2
- 0013301/2** Gelpi Mini Flat 45mm Spread (a=15mm) 90mm Long - Set Of 2
- 0013302/2** Gelpi Mini Curved 45mm Spread (a=15mm) 90mm Long - Set Of 2
- 0013303/2** Gelpi Mini Curved 45mm Spread 90mm Long Blunt Tips - Set Of 2

Small Stifle Ronguers



Small rongeurs with angled slim jaws, useful for work within the stifle to remove CrCL remnants or to apply tension to meniscal tissue prior to sharp resection.

- 001301** Small Stifle Ronguer 1.75mm Bite 140mm Long

Patellar Luxation

Patellar luxation is a common condition of the canine stifle joint whereas cats are rarely affected. Small dogs are affected more frequently than large dogs & patellar luxation tends to be medial in small dogs & lateral in large dogs, but this is not absolute. Patellar luxation is usually caused by a number of related conformational deformities of the hindlimb that results in a malalignment of the quadriceps mechanism including the patella relative to the femoral trochlear sulcus. Deformities include bowing of the distal femur & tibia, excessive medialisation or lateralisation & torsional deformities of tibial tuberosity, insufficient depth of the trochlear sulcus &/or inadequate height of the trochlear ridge(s), & (sub)luxation of the hip. Secondary changes include excessive laxity of the joint capsule & retinaculum soft tissues opposite the direction of patellar luxation, & excessive soft tissue tension in the same direction as patellar luxation.

For further details, please ask for a copy of our step-by-step guide for patellar luxation.

BRPAT Step by Step Guide To Patellar Luxation

Modular Osteotome With Ultra-Thin Interchangeable Blades & Diamond Rasp



PTFE osteotome handle which accepts a good range of blades plus a diamond rasp (not included in set). Blades are very thin (1.1mm) allowing fine cuts & reducing the incidence of braking the block during block sulcoplasty procedures.

Replacement T wrench & retaining screw are also available.

- 001382** Modular Osteotome Replacement Blade 4mm
- 001390** Modular Osteotome Replacement Blade 5mm
- 001383** Modular Osteotome Replacement Blade 6mm
- 001384** Modular Osteotome Replacement Blade 8mm
- 001385** Modular Osteotome Replacement Blade 10mm
- 001386** Modular Osteotome Replacement Blade 12mm
- 001387** Modular Osteotome Replacement Blade 15mm
- 001388** Modular Osteotome Replacement Blade 20mm
- 001389** Modular Diamond Rasp 6mm
- 001380SCREW** Spare Screw For Modular Osteotome
- 001380** Modular Osteotome With 7 Blades
- TBHEX40** 4.0mm T Bar Hex Driver

Gordon Coronoid Osteotome



Originally developed for surgery on the medial coronoid, its thin, sharp blade & narrow widths are making this tool increasingly popular amongst surgeons for block sulcoplasty.

- AR-17-30** Gordon Coronoid Osteotome (4mm)
- AR-17-29** Gordon Coronoid Osteotome (2mm)

Extra Fine Hard Back Saw



Fine toothed hard back saw, useful for trochleaplasty. Please note this saw is not stainless steel & will corrode badly. To keep the saw for as long as possible, clean thoroughly immediately after a procedure & store clean, dry & lubricated. Autoclave before use.

73547 Extra Fine Hard Back Saw Depth 31mm

Orthopaedic Hard Back Saw



Made from stainless steel & is autoclavable, the blade is stiffer than the Fine Hard Back Saw & has slightly bigger teeth. The stiff back helps to guide the saw.

001004 Orthopaedic Hard Back Saw

Adjustable Bone Saw



Useful for completing/squaring off the osteotomy, this saw comes complete with five, fine chrome plated blades. Blade length is adjustable from 40mm to 100mm. Handle length 130mm. Blade length 155mm.

001000 Adjustable Bone Saw c/w 5 Fine Blades

Universal Sulcoplasty Rasp



Double ended rasp, 210mm long. Rectangular end for adjusting block sulcoplasties, triangular end for adjusting wedge sulcoplasties.

Improved tooth geometry gives more efficiency over standard rasps. Cuts on pull stroke only. The rectangular end has 2 fine & 2 medium surfaces, triangular has 2 fine surfaces.

001021 Universal Sulcoplasty Rasp 210mm Long

Osteophyte Rasp



Most stifles requiring cruciate repair will exhibit some osteophytes. In some cases they may be bulky necessitating removal. The Osteophyte Rasp is a small yet very effective rasp to keep in the cruciate set.

001019 Osteophyte Rasp

Trochlea Rasp

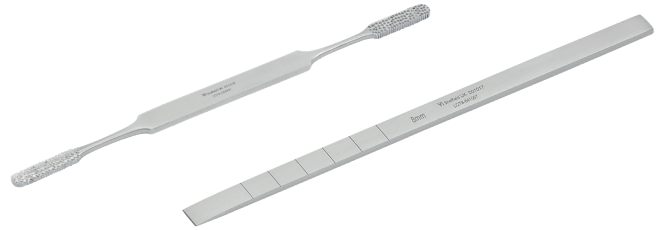


Designed for deepening the trochlea groove, the trochlea rasp has a range of diameters to suit breeds from chihuahuas to bull terriers. For larger breeds perform a wedge or block trochleaplasty using a hard backed saw. An accurately contoured trochlea is essential for a successful trochleaplasty. Articular cartilage is removed to be replaced by fibrocartilage. Total length 190mm.

001020 Trochlea Rasp 11mm max 5mm Min Diameter

001022 Trochlea Rasp Small 8mm max 3mm Min Diameter

Rectangular Sulcoplasty Instruments



A rectangular sulcoplasty retains the maximum articular cartilage. Most standard osteotomes are too thick, tending to break up the block. The super slim 8mm osteotome minimises breakup. The rectangular rasp is designed to tidy up the corners of the sulcoplasty to maximise 'fit'.

001017 Super Slim Osteotome 8mm 180mm

001018 Rectangular Bone Rasp 210mm

Corrective Osteotomy Sawguide System

Corrective osteotomy is a recognised procedure in the management of patella luxation particularly in medium & large dogs. Positioning the osteotomy at the CORA (centre of rotation) can be a challenge. Creating an accurate osteotomy at the site is a further challenge. The osteotomy & sawguide system allows the surgeon to create accurate osteotomies positioned at the correct site.



The Osteometer/Sawguide is used in the TTO technique of cruciate management to create accurate small wedge osteotomies. In the TTO technique the sawguide is located into guide holes drilled into the bone which is not an option in more cylindrical bones. The spinlock saw guide clamp incorporates an appropriate guide hole & can be clamped to virtually any bone. Once the osteotomy angle is determined the sawguide is secured into position using a 1.6mm K wire. The sawguide may then be moved very accurately from proximal to distal cuts to create the precalculated osteotomy.

TTO011 Osteometer/Sawguide

TTO013 Saw Guide Attachment Forceps 9½" 245mm

Slocum Style TPO/DPO Plates – Non-Locking & Locking

A stepped implant minimising issues relating to pelvic narrowing. The original Slocum plate was designed for 3.5mm non-locking screws with three screw-holes on either side of the iliac osteotomy & a small hole on the caudal part of the plate for the addition of a cerclage wire.

Vi Slocum style TPO/DPO plates have the same lay-out as the original Slocum plate & are available in non-locking & locking variants. The non-locking versions feature round non-locking holes & DCP holes like the original Slocum plate. The locking version features three parallel stacked locking holes caudally (will accept cortical or locking screws), one DCP hole for compression on the cranial segment permitting osteotomy compression & two parallel stacked locking screws cranially. The caudal part of both plate styles has a hole for additional cerclage wire fixation.

Locking Slocum Style TPO/DPO Plates

09910320L	Slocum Style TPO/DPO Plate 20 Left
09910420R	Slocum Style TPO/DPO Plate 20 Right
09910525L	Slocum Style TPO/DPO Plate 25 Left
09910625R	Slocum Style TPO/DPO Plate 25 Right
09910730L	Slocum Style TPO/DPO Plate 30 Left
09910830R	Slocum Style TPO/DPO Plate 30 Right
09920320L	Slocum Style TPO/DPO Plate 20 Left Locking
09920420R	Slocum Style TPO/DPO Plate 20 Right Locking
09920525L	Slocum Style TPO/DPO Plate 25 Left Locking
09920625R	Slocum Style TPO/DPO Plate 25 Right Locking
09920730L	Slocum Style TPO/DPO Plate 30 Left Locking
09920830R	Slocum Style TPO/DPO Plate 30 Right Locking

Vi Locking TPO/DPO Plates

The Vi TPO/DPO plates are similar to, but have larger footprints than the Slocum style plates. They are available in both 2.7mm & 3.5mm sizes. Both feature divergent stacked locking holes on cranial & caudal sections to maximise implant security & a compression hole on the cranial portion.



The 2.7mm plates have three screw holes cranially & caudally. The 3.5mm plate has four holes cranially & three holes caudally.

09930320L	3.5mm TPO/DPO Locking Plate 20 Left
09930420R	3.5mm TPO/DPO Locking Plate 20 Right
09930525L	3.5mm TPO/DPO Locking Plate 25 Left
09930625R	3.5mm TPO/DPO Locking Plate 25 Right
09930730L	3.5mm TPO/DPO Locking Plate 30 Left
09930830R	3.5mm TPO/DPO Locking Plate 30 Right
09940320L	2.7mm TPO/DPO Locking Plate 20 Left
09940420R	2.7mm TPO/DPO Locking Plate 20 Right
09940525L	2.7mm TPO/DPO Locking Plate 25 Left
09940625R	2.7mm TPO/DPO Locking Plate 25 Right
09940730L	2.7mm TPO/DPO Locking Plate 30 Left
09940830R	2.7mm TPO/DPO Locking Plate 30 Right

XL Locking Drill Guides

Extra-long locking drill-guides simplify working in deeper spaces, especially useful for TPO/DPO.

LSDG2724XL	2.7mm Locking Screw Drill Guide - Extra Long
LSDG35XL	3.5mm Locking Screw Drill Guide - Extra Long

Vi Twistable TPO/DPO Plates

Supplied flat to be twisted prior to surgery or supplied pre-bent to 30°, these plates offer flexibility over desired rotation & are used with non-locking screws in either 3.5mm or 4mm diameter. Neither addressing pelvic narrowing or featuring locking holes, these are being superseded by other plate designs.

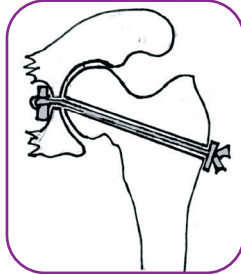


090167	Large TPO Plate
090167L30	Large TPO Plate Prebent 30° Left
090167R30	Large TPO Plate Prebent 30° Right
090179L30	Small TPO Plate Prebent 30° Left
090179R30	Small TPO Plate Prebent 30° Right

Hip Toggle Procedure

The hip toggle procedure is a well established technique for the management of traumatic & unstable subluxation of the the coxo-femoral joint. Although somewhat invasive it does have the advantage that by replacing the round ligament the hip has, postoperatively, a full range of movement.

However, the suture is placed into a very hostile abrasive environment & historically had a high failure rate. Newer materials have, to a degree, addressed this problem. LigaFiba® is spun Ultra High Molecular Weight Polyethylene. This is the same high wear material used for acetabular cups in Total Hip Replacement. For any given weight (or diameter) LigaFiba® is 2.5x stronger than the traditional monofilament nylon. In addition the softer more flexible nature of the material allows a relatively larger implant to be passed along bone tunnels. LigaFiba® has in addition better wear characteristics than nylon.



The Hip Toggle has an 'eye' to hold the suture & is made from stainless steel 316LVM. Use the adjustable drill guide to accurately place the hole in the femoral neck.

All sterile packs contain a Titanium button for secure fixation of the suture. Available with monofilament nylon or braided LigaFiba®. LigaFiba® is easier to work with, is stronger & ties better. However, it is a braided material with higher infection risk, so the surgeon must pay close attention to aseptic technique. We recommend the use of an anti-bacterial adhesive drape for hip toggle surgery.

LigaFiba® Hip Toggles



HIPTOGLF150TI	2mm Hip Toggle c/w 150lb LigaFiba®, Titanium Button - Sterile
HIPTOGLF250TI	3mm Hip Toggle c/w 250lb LigaFiba®, Titanium Button - Sterile
HIPTOGLF250MTI	2.5mm Hip Toggle c/w 250lb LigaFiba®, Titanium Button - Sterile
HIPTOG-A	80lb Nylon c/w Non-Sterile 3mm Hip Toggle & Titanium Button
HIPINTLF250	HIPTOGLF250TI c/w Introducer
HIPINT	80lb Nylon c/w Non-Sterile Introducer, 3mm Hip Toggle & Titanium Button
HIPTOGKITLF	Contains Introducer, Hip Toggle with 250lb Drill Guide 3.5 & 4.5mm Drills (Discounted)
ADJDG2035	Adjustable Drill Guide 2.0, 2.5, 3.5mm Drills
TOG	Hip Toggle Only 3.0mm (Non Sterile)
TOGM	Hip Toggle Only 2.5mm (Non Sterile)
TOGS	Hip Toggle Only 2.0mm (Non Sterile)
TIBUT6H	Titanium Button 6mm 2 Holes (Non Sterile)
TIBUT9H	Titanium Button 9mm 2 Holes (Non Sterile)
TIBUT11H	Titanium Button 11mm 2 Holes (Non Sterile)

Please note, some of the products above are supplied non-sterile or contain non-sterile components.

Hip Toggle Introducer

Use of a dedicated introducer facilitates the introduction of the 3mm toggle through the acetabulum into the pelvis.

Please note, only the 3mm toggle has an introducer. An introducer is not appropriate for the smaller sizes of hip toggle as the hole drilled in the acetabulum would be proportionately too large to accommodate the introducer. An over-large hole in a smaller patient would risk iatrogenic acetabular fracture. The smaller hip toggles are therefore inserted using an artery forcep or similar.



Notes on the use of the Hip Toggle system

1. Expose femoral head & floor of acetabulum via a cranio-lateral approach. Perform a trochanteric osteotomy if necessary
2. Clear soft tissues (mostly shredded round ligament) from acetabulum & fovea of femoral head
3. Drill a hole through the acetabular fossa (effectively the origin of the round ligament). Drill size required
 - 3mm Toggle plus 250lb LigaFiba® 4.5mm drill
 - 3mm Toggle plus 80lb Nylon 4.8mm drill
 - 2.5mm Toggle plus 250lb LigaFiba® 4mm drill
 - 2mm Toggle plus 150lb LigaFiba® 2.7mm drill

Points 4, 5 & 6 – please note that the insertion tool is only supplied for 3mm toggles. For toggles smaller than 3mm it is recommended to use a pair of artery forceps for insertion of the toggle.

4. Load the toggle into the insertion tool (3mm toggle only). The 'long' end goes into the inserter tip. The suture is retained onto the inserter shaft by sliding the silicone ring over the toggle & inserter
5. Push projecting toggle into hole in acetabulum
6. Insert plunger & eject toggle into pelvic canal. Toggle should 'flip' out preventing pull out. Check toggle security
7. Drill a bone tunnel (2.5-3.5mm) from fovea exiting from proximal lateral femur
 - a. Use Adjustable Drill Guide for best results. (ADJDG2035)
 - b. 'Eyeball' it
 - c. Drill from fovea to femur (requires severe external rotation of femur)
8. Pass free suture ends down the femoral neck tunnel from fovea to femur. LigaFiba® will require a suture puller or alternatively a folded loop of fine cerclage wire may be passed from lateral to medial to exit at the fovea. Pass the LigaFiba® through the loop & pull back. Check there are no soft tissues (usually joint capsule) interposed between head & acetabulum
9. Pass ends of the suture through holes in Titanium button, pull tight & tie temporarily. Check that coxo-femoral joint has a full comma of movement. Tie securely over button. Over-tightening is a technical error & will result in premature failure of the suture

NOTE: The implant always breaks within a few weeks of placement regardless of technique & material. The toggle provides temporary stability only. If it becomes necessary to remove the suture, locate the Titanium button & remove both button & suture. It is not possible to retrieve the toggle which, lying extra-articularly, does not cause a problem.

Femoral Head & Neck Excisional Arthroplasty

Excision Arthroplasty Rasp



Designed specifically to remove any bone spurs following excision arthroplasty. Failure to remove bone spurs is the most common cause of problems with this procedure. Teeth cut on the back stroke.

001010 Excision Arthroplasty Rasp 170mm Long

Disarticulator



Disarticulator designed to elevate the femoral head for excision. Notch at the tip of the instrument engages & ruptures the Teres (round) ligament, which can be very difficult. Also useful in manipulation for the humeral head in OCD lesion procedures & investigation of elbow lesions.

001090 Small Disarticulator 145mm Long
001091 Large Disarticulator 195mm Long

Hatt Spoon



Alternative to the 'chip fork' style disarticulator, particularly for larger dogs. Spoon edge is sharp. Good-sized handle with a finer shaft for better balance.

001092 Hatt Spoon 230mm (17mm x 30mm Scoop)
001093 Hatt Spoon 230mm (12mm x 18mm Scoop)
001094 Hatt Spoon 230mm (7mm x 12mm Scoop)
00109SET Hatt Spoon Set Of 3 (As Above)

Veterinary Tissue Bank

Veterinary Tissue Bank is Europe's first tissue bank dedicated to helping companion animals.

Products are available in various presentations, & have many applications for use during procedures such as TTA rapid & joint arthrodesis to dealing with the difficult non-union case.

Demineralised Bone Matrix (DBM) is cortical bone which has been cut, milled into fine particles & washed to remove soft tissues, cells & marrow elements. Further processing removes minerals to leave collagen matrix & endogenous bone growth factors such as bone morphogenic proteins.

DBM is used where osteoinduction is required but the graft does not require any structural properties, for example in small joint arthrodesis.

Cancellous Chips



Cancellous Chips offer structure to a graft as well as providing a scaffold for osteoconduction.

This is available in canine & feline variants. Canine is available in 3 chip sizes for closer matching to defect size, & 3 pack sizes. The product consists of morcellised cancellous bone, processed to remove soft tissue, cells & marrow elements, freeze-dried & irradiated after packing for sterility.

Useful in TTA Rapid, filling corrective osteotomies, fracture repair, spinal fusions among other procedures. It is also useful for extending an autograft where harvesting has not produced sufficient material.

DBM Products

Available as fibres, granules, chips or putty. DBM particulates are mixed with nanocrystalline hydroxyapatite aqueous suspension prior to use, in the syringes provided. The addition of hydroxyapatite provides a high surface area for osteoconduction, & allows the putty-like texture to form. The product sticks well to the bone surface & conforms to the defect, improving contact to bone. It can be injected into the surgical site direct from the syringe, e.g. in TTA, & will also pass through a 14g needle for non-invasive surgery such as MIPO

Graft Selection

Osteoinduction	→	DBM
Osteoconduction	→	Cancellous Chips
Osteoconduction & osteoinduction	→	DMB Putty/Fibres

- DBMPUTC1101** VTB DBM Putty 1cc (Premixed)
- C0901** DBM Canine 0.1-0.5mm Granules 1cc
- C0903** DBM Canine 0.1-0.5mm Granules 3cc
- C0905** DBM Canine 0.1-0.5mm Granules 5cc
- C1001** DBM Canine 0.5-1.0mm Granules 1cc
- C1003** DBM Canine 0.5-1.0mm Granules 3cc
- C1005** DBM Canine 0.5-1.0mm Granules 5cc
- C0101** Cancellous Chips Canine 2-4mm Chip Size Coarse 1cc
- C0103** Cancellous Chips Canine 2-4mm Chip Size Coarse 3cc
- C0105** Cancellous Chips Canine 2-4mm Chip Size Coarse 5cc
- C0201** Cancellous Chips Canine 1-2mm Chip Size Medium 1cc
- C0203** Cancellous Chips Canine 1-2mm Chip Size Medium 3cc
- C0205** Cancellous Chips Canine 1-2mm Chip Size Medium 5cc
- C0301** Cancellous Chips Canine <1mm Chip Size Fine 1cc
- C0303** Cancellous Chips Canine <1mm Chip Size Fine 3cc
- C0305** Cancellous Chips Canine <1mm Chip Size Fine 5cc
- FL105** Cancellous Chips Feline <2mm Chip Size Fine 1cc

All products are subject to availability. Feline products are often in short supply.

NanoPaste Bone Substitutes

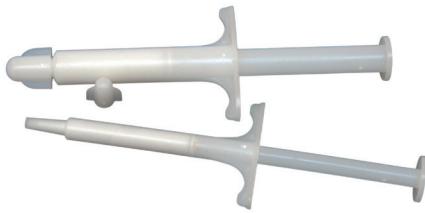
Use to save time harvesting autograft or when the quality of the autograft is poor. NanoPaste will extend autograft.

The sterile presentation is an aqueous paste supplied in a syringe (2.5ml or 5.0ml). The paste may be injected directly into a defect where it conforms to fill the space. The paste is readily colonised by bone cells & acts as a scaffold encouraging penetration of host bone. The putty-like consistency means that the paste may be pressed onto bone where it sticks until resorbed.

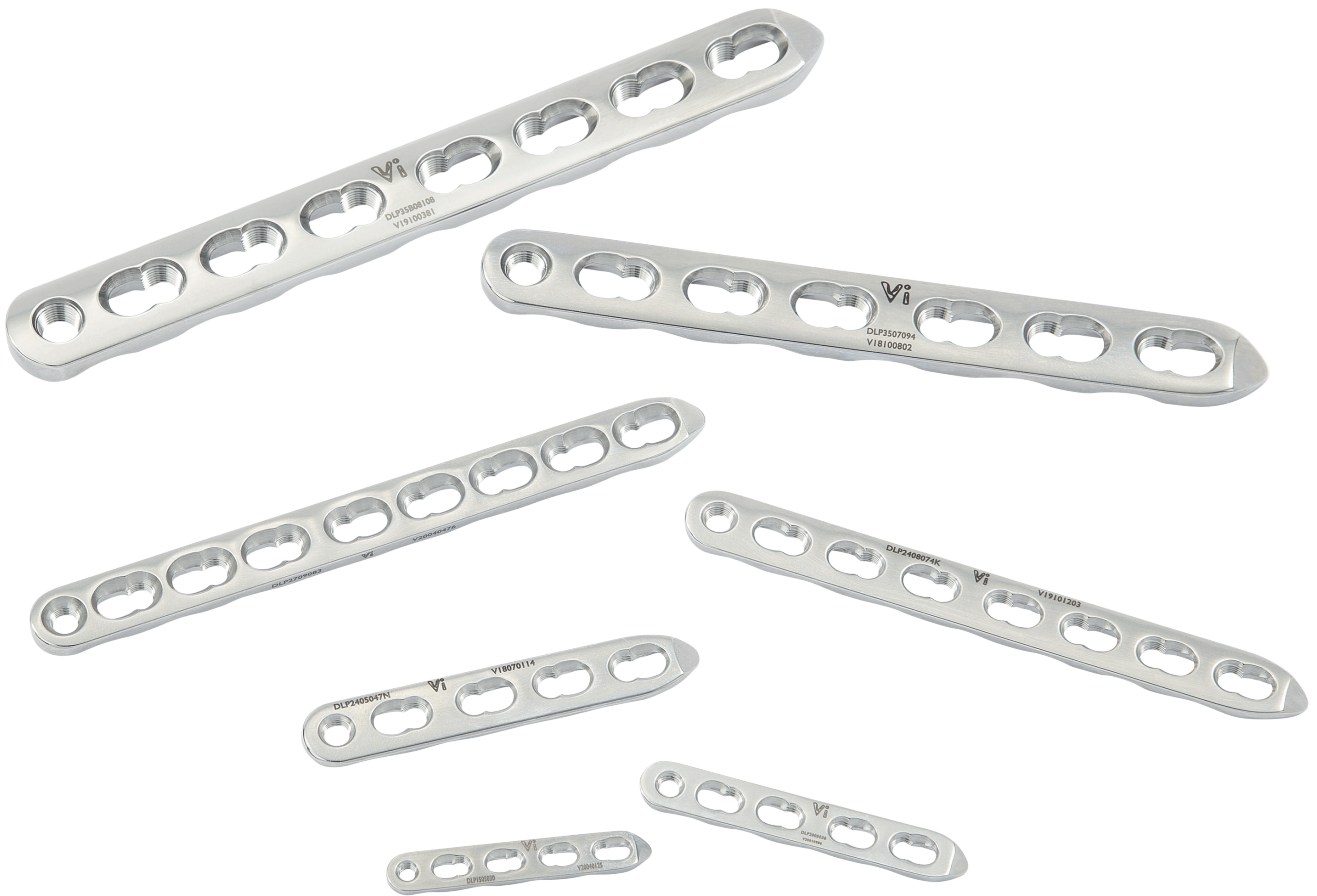
Nano HA paste conforms to ENISO 13779-1:200 & ASTM F1185-88 for medical grade HA.

NanoPaste is also available in a granule formulation 'ReproBone' which may be used alone or as an extender of natural cancellous bone graft.

Applications include: joint arthrodesis, TTA Rapid, non-unions, delayed unions & filling spine cages.



PAS2.5 NanoPaste Syringe 2.5ml
PAS5 NanoPaste Syringe 5ml



Vi are entrusted by our valued partners to supply over 19,000 implants to over 65 countries worldwide each year.

With over 1,400 different plate & screw profiles, we deliver a comprehensive portfolio for a wide range of fracture fixation approaches, with all our implants constructed from traditional materials such as Stainless Steel & Titanium.

All are manufactured & utilise raw materials which are specified to international standards for medical/human implants in relation to quality.

With a revision rate of 0.002%, validation is achieved through clinical results.

ISO Standards applied to Vi products include:

Materials

BS ISO 5832-1:2016 ... Implants for surgery. Metallic materials. Unalloyed stainless steel.

BS EN ISO 5832-2:2012 ... Implants for surgery. Metallic materials. Unalloyed titanium.

Implants for surgery. Metallic materials. Wrought titanium 6-aluminium 4-vanadium alloy.

Bone Screws & Screwdrivers

BS 3531-5.1:1997, ISO 8319-1:1996 ... Implants for osteosynthesis. Bone screws & auxiliary equipment. Specification for keys for use with screws having heads with hexagon socket.

BS 3531-5.2:1990, ISO 8319-2:1986 ... Implants for osteosynthesis. Bone screws & auxiliary equipment. Specification for screwdrivers for screws having heads with single slot, cruciate slot or cross-recess.

BS 3531-5.3:1991, ISO 5835:1991 ... Implants for osteosynthesis. Bone screws & auxiliary equipment. Specification for the dimensions of screws having hexagonal drive connection, spherical under-surfaces & asymmetrical thread.

Bone Plates

BS 3531-23.1:1991, ISO 9585:1990 ... Implants for osteosynthesis. Bone plates. Method for determination of bending strength & stiffness.

BS 3531-23.2:1993, ISO 9269:1988 ... Implants for osteosynthesis. Bone plates. Specification for holes & slots for use with screws of 4.5mm, 4.2mm, 4.0mm, 3.9mm, 3.5mm & 2.9mm nominal sizes.

As always, if you require any clinical assistance, please contact your local Vi representative for further support.

To view the Internal Fixation section of our website, simply scan the QR code:



Plating Kits In Modular Plating Box (MPB) Concept

Locking Plate & Screw Set In MPB



Our MPB Locking Kits contain plates, screws & required instrumentation. Available in 1.5mm, 2.0mm, 2.4mm, 2.7mm & 3.5mm & with either Dynamic Locking Plates or Stacked Hole Locking Plates.

- LS15STARDLPKITALLMPB** 1.5mm Locking Screw Star Head & DLP Plate Kit in MPB
- LS20STARDLPKITALLMPB** 2.0mm Locking Screw Star Head & DLP Plate Kit in MPB
- LS24STARDLPKITALLMPB** 2.4mm Locking Screw Star Head & DLP Plate Kit in MPB
- LS27STARDLPKITALLMPB** 2.7mm Locking Screw Star Head & DLP Plate Kit in MPB
- LS35STARDLPKITALLMPB** 3.5mm Locking Screw Star Head & DLP Plate Kit in MPB

- LS20STARKITALLMPB** 2.0mm Locking Screw (Star Head) & Plate Kit in MPB
- LS24STARKITALLMPB** 2.4mm Locking Screw (Star Head) & Plate Kit in MPB
- LS27STARKITALLMPB** 2.7mm Locking Screw (Star Head) & Plate Kit in MPB
- LS35KITALLMPB** 3.5mm Locking Screw (Hex Head) & Plate Kit in MPB
- LS35STARKITALLMPB** 3.5mm Locking Screw (Star Head) & Plate Kit in MPB

Locking Screw Sets



Star Drive Locking Screw Sets in Modular Plating Box Screw Caddy.

- LS15STARKITMPB** 1.5 Star Drive Locking Screw Set
- LS20STARKITMPB** 2.0 Star Drive Locking Screw Set
- LS24STARKITMPB** 2.4 Star Drive Locking Screw Set
- LS27STARKITMPB** 2.7 Star Drive Locking Screw Set
- LS35STARKITMPB** 3.5 Star Drive Locking Screw Set

Cortical SelfTapping Kits In MPB



Our MPB Self tapping Cortical Kits contain plates, screws & required instrumentation. Available in a full range of sizes.

- CORTSTKIT1.5/2MPB** 1.5mm/2.0mm Self Tapping Cortical Kit In MPB
- CORTSTKIT1.5MPB** 1.5mm Self Tapping Cortical Kit In MPB
- CORTSTKIT2.0MPB** 2.0mm Self Tapping Cortical Kit In MPB
- CORTSTKIT24MPB** 2.4mm Self Tapping Cortical Kit In MPB
- CORTSTPI52024MPB** 1.5/2.0/2.4mm Self Tapping Cortical Kit In MPB
- CORTSTP2735MPB** 2.7/3.5mm Self Tapping Cortical Kit In MPB
- CORTSTKIT4.5MPB** 4.5mm Self Tapping Cortical Kit In MPB
- CORTSTPKITSTAR152024MPB** 1.5/2.0/2.4mm Self Tapping Cortical Kit In MPB
- CORTSTPKITSTAR2.7/3.5MPB** 2.7/3.5mm Self Tapping Cortical Kit In MPB
- CORTSXTP152024MPB** 1.5/2.0/2.4mm Cortical Self Tapping Cruciate Head Kit In MPB
- CORTSTKIT4.5MPB** 4.5mm Self Tapping Cortical Kit In MPB

Modular Plating Box Components Modular Plating Box Base & Lid



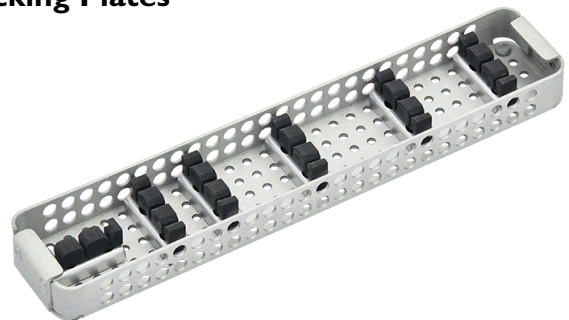
MPBB Modular Plating Box Base
MPBL Modular Plating Box Lid

Modular Plating Box Plate Trays For Locking Plates



MPBPTL15 1.5mm MPB Plate Tray For Locking Plates
MPBPTL2 2.0mm MPB Plate Tray For Locking Plates
MPBPTL24 2.4mm MPB Plate Tray For Locking Plates
MPBPTL2735 2.7/3.5mm MPB Plate Tray For Locking Plates

Modular Plating Box Plate Trays For Non-Locking Plates



MPBPTNL15 1.5mm MPB Plate Tray For Non-Locking Plates
MPBPTNL2 2.0mm MPB Plate Tray For Non-Locking Plates
MPBPTNL24 2.4mm MPB Plate Tray For Non-Locking Plates

Modular Plating Box Instrument Trays



MPBIT1520 1.5/2.0mm MPB Instrument Tray
MPBIT24 2.4mm MPB Instrument Tray
MPBIT2735I 2.7/3.5mm MPB Instrument Tray I
MPBIT27352 2.7/3.5mm MPB Instrument Tray 2
MPBIT45 4.5mm MPB Combined Instrument & Plate Tray

Modular Plating Box Screw Caddys



MPBSC15 1.5mm MPB Screw Caddy
MPBSC20 2.0mm MPB Screw Caddy
MPBSC24 2.4mm MPB Screw Caddy
MPBSC27 2.7mm MPB Screw Caddy
MPBSC35 3.5mm MPB Screw Caddy
MPBSC45 4.5mm MPB Screw Caddy

Modular Plating Box TPLO Instrument Trays

MPBITTPLO1 Instrument Tray 1 For TPLO Kits
MPBITTPLO2 Instrument Tray 2 For TPLO Kits
MPBITTPLO3 Instrument Tray 3 For TPLO Kits

Cortical SelfTapping Kits In Premium Boxes



Kit featured is **CORTSTP2735**

Our Self Tapping Cortical Kits in anodised aluminium Premium Box contain plates, screws & required instrumentation.

- CORTSTP152024** 1.5mm/2.0mm/2.4mm Cortical Self Tapping Kit In Premium Box
- CORTSTP2735** 2.7mm/3.5mm Cortical Self Tapping Kit In Premium Box

Locking Plating Kits In Premium Box



Kit featured is **LS24STARDLPKITALL**

Our Locking Kits in anodised aluminium Premium Box contain plates, screws & required instrumentation. Available in 1.5mm, 2.0mm, 2.4mm, 2.7mm & 3.5mm & with either Dynamic Locking Plates or Stacked Hole Locking Plates.

- LS20STARDLPKITALL** 2.0mm Locking Screw Star Head & DLP Plate Kit In Prem Box
- LS24STARDLPKITALL** 2.4mm Locking Screw Star Head & DLP Plate Kit In Prem Box
- LS27STARDLPKITALL** 2.7mm Locking Screw Star Head & DLP Plate Kit In Prem Box
- LS35STARDLPKITALL** 3.5mm Locking Screw Star Head & DLP Plate Kit In Prem Box
- LS35KITALL** 3.5mm Locking Screw (Hex Head) & Plate Kit In Prem Box
- LS35STARKITALL** 3.5mm Locking Screw (Star Head) & Plate Kit In Prem Box
- LS27STARKITALL** 2.7mm Locking Screw (Star Head) & Plate Kit In Prem Box
- LS24STARKITALL** 2.4mm Locking Screw (Star Head) & Plate Kit In Prem Box
- LS20STARKITALL** 2.0mm Locking Screw (Star Head) & Plate Kit In Prem Box

1.0mm Plating Kit

Management of fractures in dogs such as the Papillon & Chihuahua weighing less than a kilo is very challenging. Even 1.5 & 2.0mm screws are too large. Metacarpals in even some medium size patients require very small implants.

The range includes T-plates, compression plates & 5 different cuttable plates. Due to the small size, dedicated instrumentation is required.

As well as being useful for distal radial fractures in miniature & sub-miniature breeds, it has also found favour for repairing some of the smaller bones in larger patients.



The 1.0mm Plating Kit includes all the 1.0mm Instrumentation & a full set of 1.0mm Implants.

Everything is laid out in an easily accessible format in a Premium Filtered Case. The Plates are housed in a removable tray for easy access & inventory control.

1.0mm Kit Contents:

- 1x Cruciate Screwdriver Insert
- 1x Lightweight Screwdriver
- 2x 0.7mm Drill Bits
- 1x 1.0mm Drill Bit
- 1x Plate Holding Forceps
- 1x Screw Holding Forceps
- 1x Pair Plate Bending Irons
- 1x Drill Guide
- 1x Miniature Pointed Reduction Forceps
- 1x 3mm Grasp Serrated Bone Holding Forceps
- 1x 5mm Grasp Serrated Bone Holding Forceps
- 1x Small Compound Action Implant Cutters
- 1x each of 'T' Plate T101016 - T101027
- 1x each of DCP Plate C100210 - C101042
- 1x each of Cuttable Plate CPI0390 - CPI049120
- 8x each of CSST Screws 4mm - 7mm
- 6x each of CSST Screws 8mm & 9mm
- 4x each of CSST Screws 10mm & 11mm
- 2x each of CSST Screws 12mm - 15mm

- CORTSTP10** 1.0mm Plating Set In Premium Box

Cortical & Cortical Self Tapping Kits In Stainless Box



Kit featured is CORTSTKIT2735

Our Cortical & Cortical Self Tapping Kits in Stainless Box contain plates, screws & required instrumentation

CORTKIT1.5/2	1.5mm/2.0mm Cortical Kit In Stainless Box
CORTKIT2	2.0mm Cortical Kit In Stainless Box
CORTKIT2.7/3.5	2.7mm/3.5mm Cortical Kit In Stainless Box
CORTSTKIT1.5	1.5mm Cortical Self Tapping Kit In Stainless Box
CORTSTKIT1.5/2	1.5/2.0mm Cortical Self Tapping Kit In Stainless Box
CORTSTKIT2.0	2.0mm Cortical Self Tapping Kit In Stainless Box
CORTSTKIT24	2.4mm Cortical Self Tapping Kit In Stainless Box
CORTSTKIT2735	2.7/3.5mm Cortical Self Tapping Kit In Stainless Box

AO Cortical Self Tapping Kits With Limited Contact (LC) Compression Plates

Contains the same implants & instruments except DCPs are replaced with Limited Contact Compression Plates.

LCORTSTKIT24	2.4mm Cortical Self Tapping Kit With LC Compression Plates In Stainless Box
LCORTSTKIT2735	2.7mm/3.5mm Cortical Self Tapping Kit With LC Compression Plates In Stainless Box

Locking Screw Sets



Available with either Hex (3.5mm only) or Star Drive Head.

LS20STARKIT	2.0 Star Drive Locking Screw Set
LS24STARKIT	2.4 Star Drive Locking Screw Set
LS27STARKIT	2.7 Star Drive Locking Screw Set
LS35STARKIT	3.5 Star Drive Locking Screw Set
LS35KIT	3.5 Hex Drive Locking Screw Set

2.4 Star Drive Locking Screw Set includes:

- 3x 6-8mm
- 4x 10-16mm
- 5x 18-28mm
- 4x 30-32mm
- 3x 34-40mm Locking Screws
- 5x Locking Plugs

2.7 Star Drive Locking Screw Set includes:

- 3x 6-8mm
- 4x 10-16mm
- 5x 18-28mm
- 4x 30-32mm
- 3x 34-40mm Locking Screws
- 5x Locking Plugs

3.5 Hex & Star Drive Locking Screw Sets include:

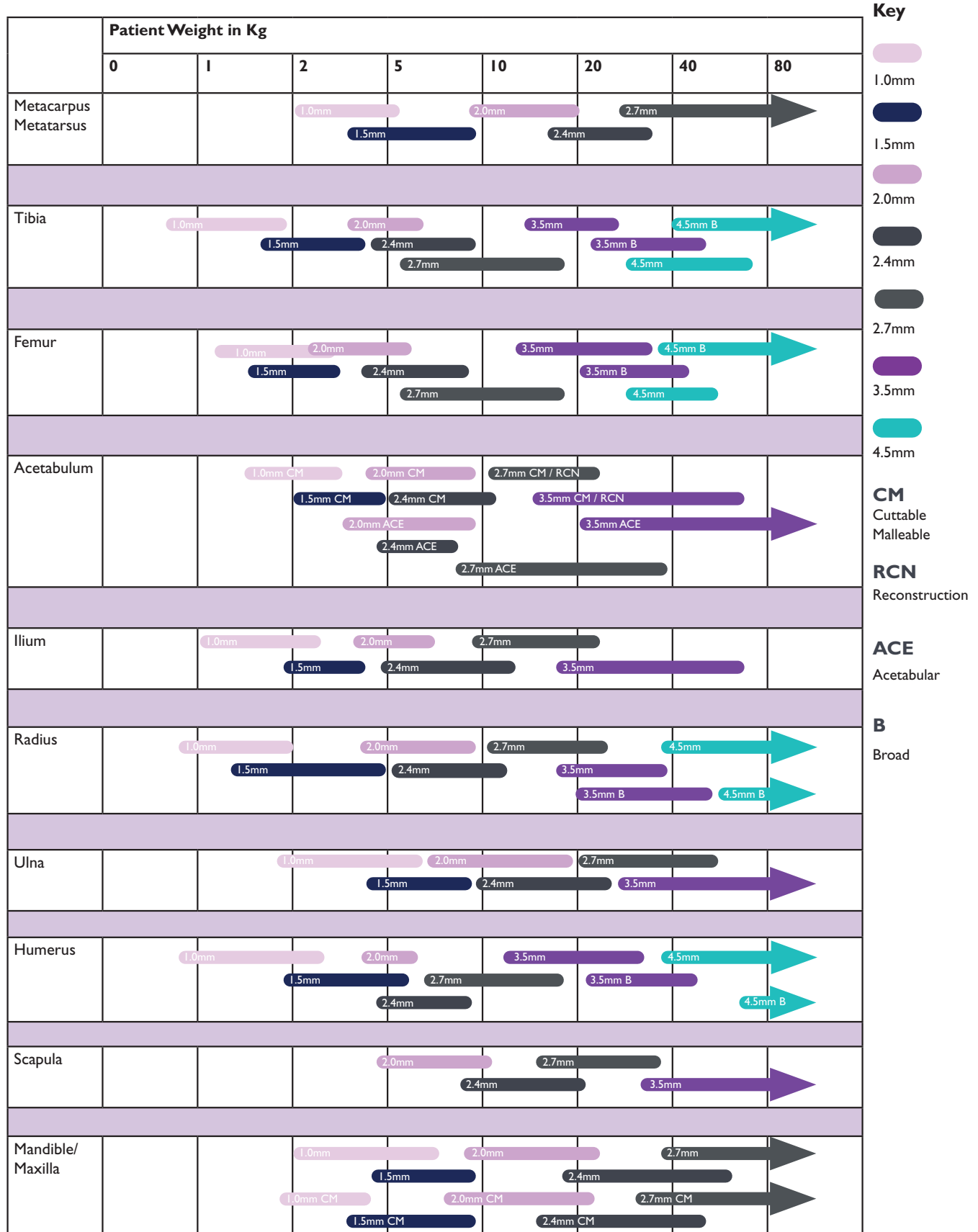
- 3x 12-20mm
- 4x 22-26mm
- 5x 28-40mm
- 4x 42-50mm
- 3x 52-58mm Locking Screws
- 5x Locking Plugs

Vi Plate Selection Chart

This chart is for **guidance only** & precise implant selection depends on a number of factors which are to be considered when assessing the fracture healing score & the mechanical behaviour of implants; this should be taken into account when making a definitive selection.

Unless otherwise stated, values apply to Vi compression, limited contact compression, ASYM®, round hole & biological healing plates.

Scaled plate profiles are available in the catalogue or download the profiles from our website www.vetinst.com



1.0mm Plates

1.0mm implants currently available consist of a range of straight plates, cuttable plates & an extensive range of 'T' plates for radial fractures.

1.0mm Compression Plates



- CI00210** 1mm Dynamic Compression Plate 10mm 2 Hole
- CI00314** 1mm Dynamic Compression Plate 14mm 3 Hole
- CI00418** 1mm Dynamic Compression Plate 18mm 4 Hole
- CI00522** 1mm Dynamic Compression Plate 22mm 5 Hole
- CI00626** 1mm Dynamic Compression Plate 26mm 6 Hole
- CI00730** 1mm Dynamic Compression Plate 30mm 7 Hole
- CI00834** 1mm Dynamic Compression Plate 34mm 8 Hole
- CI00938** 1mm Dynamic Compression Plate 38mm 9 Hole
- CI01042** 1mm Dynamic Compression Plate 42mm 10 Hole

1.0mm Cuttable Plates



The Vi range of Cuttable 1.0mm Plates gives flexibility of management options for a number of different fracture scenarios. All of our 1.0mm Cuttable Plates have round holes.

Use the dedicated Compound Action Implant Cutters (001230) to cut plates.

- CP10390** Cuttable Plate 1.0mm 30 Holes 90mm Long
- CP10491** Cuttable Plate 1.0mm 23 Holes 91mm Long
- CM10390** Cuttable Malleable Plate 1.0mm 30 Holes 90mm Long

1.0mm Cuttable Plates With Spaces



1.0mm Cuttable Plate with Spaces to give the surgeon additional options. Versions are available with either 3mm or 4mm hole spacing.

- CP1039027** Cuttable Plate 1.0mm 27 Holes 90 mm 3mm Spaces
- CP1049120** Cuttable Plate 1.0mm 20 Holes 91mm 4mm Spaces

1.0mm 'T' Plates

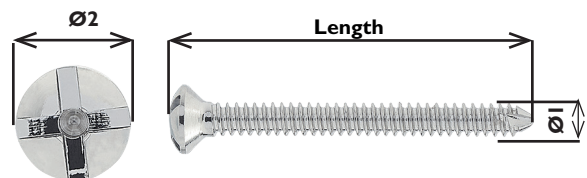


The 1.0mm 'T' Plates have been designed by Vi to provide options for the repair of distal radial fractures in very small dogs & in cats. These fractures can be difficult to manage, partly because of the small sizes of the bones involved & partly because the area has relatively poor vascularity resulting in what is often a prolonged healing time.

The spacing between the head holes & the shank holes increases from the A-series to the B-series with two extended options in the C-series to permit fracture repair at different levels of the distal radius. The C-series plates have space for a third head screw. This provides greater repair stability & the C-series are strongly advised when the distal fragment is large enough.

- TI01016** 1mm T Plate 16mm 5 Hole
- TI01018** 1mm T Plate 18mm 5 Hole
- TI01020** 1mm T Plate 20mm 6 Hole
- TI01021** 1mm T Plate 21mm 6 Hole
- TI01022** 1mm T Plate 22mm 6 Hole
- TI01024** 1mm T Plate 24mm 7 Hole
- TI01026** 1mm T Plate 26mm 7 Hole
- TI01027** 1mm T Plate 27mm 7 Hole

1.0mm Cortical Self Tapping Screws



Use 0.7mm pilot drill & 1.0mm cruciate screwdriver. The threads on the screws are very fine. Caution must be exercised at the final tightening.

- CSST1004** 1mm Self Tapping Screw 4mm
- CSST1005** 1mm Self Tapping Screw 5mm
- CSST1006** 1mm Self Tapping Screw 6mm
- CSST1007** 1mm Self Tapping Screw 7mm
- CSST1008** 1mm Self Tapping Screw 8mm
- CSST1009** 1mm Self Tapping Screw 9mm
- CSST1010** 1mm Self Tapping Screw 10mm
- CSST1011** 1mm Self Tapping Screw 11mm
- CSST1012** 1mm Self Tapping Screw 12mm
- CSST1013** 1mm Self Tapping Screw 13mm
- CSST1014** 1mm Self Tapping Screw 14mm
- CSST1015** 1mm Self Tapping Screw 15mm

For scaled plate profiles, please view the Plate Profile chapter.

Vi Dynamic Locking Plates

- Combining compression & locking technology in one plate.
- 270° of locking thread engagement in plate for superior security.
- Compression section of hole allows up to 35° of screw angulation.
- Suitable for MIPO application - spade end for easier insertion, single full locking hole at opposite end allows drill guide to be used to aid plate manipulation.



DLP Plate codes relate to the plate size, number of slotted holes, number of round holes & length of the plate e.g. DLP3518241

DLP35 = 3.5mm DLP

18 = 17 Slotted Holes & 1 Round Hole

237 = 237mm Long

1.5mm Vi Dynamic Locking Plates

DLP1504024	1.5mm Dynamic Locking Plate 4 Hole 24mm Long
DLP1505030	1.5mm Dynamic Locking Plate 5 Hole 30mm Long
DLP1506036	1.5mm Dynamic Locking Plate 6 Hole 36mm Long
DLP1507042	1.5mm Dynamic Locking Plate 7 Hole 42mm Long
DLP1508048	1.5mm Dynamic Locking Plate 8 Hole 48mm Long
DLP1509054	1.5mm Dynamic Locking Plate 9 Hole 54mm Long
DLP1510060	1.5mm Dynamic Locking Plate 10 Hole 60mm Long
DLP1511066	1.5mm Dynamic Locking Plate 11 Hole 66mm Long
DLP1512072	1.5mm Dynamic Locking Plate 12 Hole 72mm Long

2.0mm Vi Dynamic Locking Plates

DLP2004031	Dynamic Locking Plate 2.0mm 4 Hole 31mm Long
DLP2005038	Dynamic Locking Plate 2.0mm 5 Hole 38mm Long
DLP2006045	Dynamic Locking Plate 2.0mm 6 Hole 45mm Long
DLP2007052	Dynamic Locking Plate 2.0mm 7 Hole 52mm Long
DLP2008059	Dynamic Locking Plate 2.0mm 8 Hole 59mm Long
DLP2009066	Dynamic Locking Plate 2.0mm 9 Hole 66mm Long
DLP2010073	Dynamic Locking Plate 2.0mm 10 Hole 73mm Long
DLP2011080	Dynamic Locking Plate 2.0mm 11 Hole 80mm Long
DLP2012087	Dynamic Locking Plate 2.0mm 12 Hole 87mm Long
DLP2013094	Dynamic Locking Plate 2.0mm 13 Hole 94mm Long
DLP2014101	Dynamic Locking Plate 2.0mm 14 Hole 101mm Long

2.4mm Vi Dynamic Locking Plates

Available in two thicknesses - 1.7mm (thin) & 2.0mm (thick).

DLP2404038N	Dynamic Locking Plate 2.4mm Thin 4 Holes 38mm Long
DLP2405047N	Dynamic Locking Plate 2.4mm Thin 5 Holes 47mm Long
DLP2406056N	Dynamic Locking Plate 2.4mm Thin 6 Holes 56mm Long
DLP2407065N	Dynamic Locking Plate 2.4mm Thin 7 Holes 65mm Long
DLP2408074N	Dynamic Locking Plate 2.4mm Thin 8 Holes 74mm Long
DLP2408074K	Dynamic Locking Plate 2.4mm Thick 8 Holes 74mm Long
DLP2409083K	Dynamic Locking Plate 2.4mm Thick 9 Holes 83mm Long
DLP2410092K	Dynamic Locking Plate 2.4mm Thick 10 Holes 92mm Long
DLP2411101K	Dynamic Locking Plate 2.4mm Thick 11 Holes 101mm Long
DLP2412110K	Dynamic Locking Plate 2.4mm Thick 12 Holes 110mm Long
DLP2413119K	Dynamic Locking Plate 2.4mm Thick 13 Holes 119mm Long
DLP2414128K	Dynamic Locking Plate 2.4mm Thick 14 Holes 128mm Long

DLP2415137K	Dynamic Locking Plate 2.4mm Thick 15 Holes 137mm Long
DLP2416146K	Dynamic Locking Plate 2.4mm Thick 16 Holes 146mm Long
DLP2417155K	Dynamic Locking Plate 2.4mm Thick 17 Holes 155mm Long
DLP2418164K	Dynamic Locking Plate 2.4mm Thick 18 Holes 164mm Long

Please note that further sizes of the 2.4mm plate may be available, contact our team of Technical Support Specialists on +44 114 258 8530 to check availability.

2.7mm Vi Dynamic Locking Plates

DLP2704038	Dynamic Locking Plate 2.7mm 4 Holes 38mm Long
DLP2705047	Dynamic Locking Plate 2.7mm 5 Holes 47mm Long
DLP2706056	Dynamic Locking Plate 2.7mm 6 Holes 56mm Long
DLP2707065	Dynamic Locking Plate 2.7mm 7 Holes 65mm Long
DLP2708074	Dynamic Locking Plate 2.7mm 8 Holes 74mm Long
DLP2709083	Dynamic Locking Plate 2.7mm 9 Holes 83mm Long
DLP2710092	Dynamic Locking Plate 2.7mm 10 Holes 92mm Long
DLP2711101	Dynamic Locking Plate 2.7mm 11 Holes 101mm Long
DLP2712110	Dynamic Locking Plate 2.7mm 12 Holes 110mm Long
DLP2713119	Dynamic Locking Plate 2.7mm 13 Holes 119mm Long
DLP2714128	Dynamic Locking Plate 2.7mm 14 Holes 128mm Long
DLP2715137	Dynamic Locking Plate 2.7mm 15 Holes 137mm Long
DLP2716146	Dynamic Locking Plate 2.7mm 16 Holes 146mm Long
DLP2717155	Dynamic Locking Plate 2.7mm 17 Holes 155mm Long
DLP2718164	Dynamic Locking Plate 2.7mm 18 Holes 164mm Long

3.5mm Vi Dynamic Locking Plates

DLP3504055	Dynamic Locking Plate 3.5mm 4 Holes 55mm Long
DLP3505068	Dynamic Locking Plate 3.5mm 5 Holes 68mm Long
DLP3506081	Dynamic Locking Plate 3.5mm 6 Holes 81mm Long
DLP3507094	Dynamic Locking Plate 3.5mm 7 Holes 94mm Long
DLP3508107	Dynamic Locking Plate 3.5mm 8 Holes 107mm Long
DLP3509120	Dynamic Locking Plate 3.5mm 9 Holes 120mm Long
DLP3510133	Dynamic Locking Plate 3.5mm 10 Holes 133mm Long
DLP3511146	Dynamic Locking Plate 3.5mm 11 Holes 146mm Long
DLP3512159	Dynamic Locking Plate 3.5mm 12 Holes 159mm Long
DLP3513172	Dynamic Locking Plate 3.5mm 13 Holes 172mm Long
DLP3514185	Dynamic Locking Plate 3.5mm 14 Holes 185mm Long
DLP3515198	Dynamic Locking Plate 3.5mm 15 Holes 198mm Long
DLP3516211	Dynamic Locking Plate 3.5mm 16 Holes 211mm Long
DLP3517224	Dynamic Locking Plate 3.5mm 17 Holes 224mm Long
DLP3518237	Dynamic Locking Plate 3.5mm 18 Holes 237mm Long

3.5mm Vi Dynamic Locking Plates Broad

DLP35B07095	3.5mm Broad Dynamic Locking Plate 7 Holes, 95mm Long
DLP35B08108	3.5mm Broad Dynamic Locking Plate 8 Hole, 108mm Long
DLP35B09121	3.5mm Broad Dynamic Locking Plate 9 Hole, 121mm Long
DLP35B10134	3.5mm Broad Dynamic Locking Plate 10 Hole, 134mm Long
DLP35B11147	3.5mm Broad Dynamic Locking Plate 11 Hole, 147mm Long
DLP35B12160	3.5mm Broad Dynamic Locking Plate 12 Hole, 160mm Long
DLP35B13173	3.5mm Broad Dynamic Locking Plate 13 Hole, 173mm Long
DLP35B14186	3.5mm Broad Dynamic Locking Plate 14 Hole, 186mm Long
DLP35B15199	3.5mm Broad Dynamic Locking Plate 15 Hole, 199mm Long
DLP35B16212	3.5mm Broad Dynamic Locking Plate 16 Hole, 212mm Long
DLP35B18238	3.5mm Broad Dynamic Locking Plate 18 Hole, 238mm Long
DLP35B20264	3.5mm Broad Dynamic Locking Plate 20 Hole, 264mm Long

For scaled plate profiles, please view the Plate Profile chapter.

Stacked Hole Locking Plates

Stacked Hole Locking Plates are designed with round threaded plate holes which will accept either locking screws (at a fixed 90 degree angle), or cortical screws (some angulation is possible when using cortical screws). If a combination of dynamic compression & locking function is required, please refer to our range of Dynamic Locking Plates.



2.0mm Plates With Stacked Locking Holes

LPSH200425	2.0mm Locking Plate 4 Hole 25mm Long
LPSH200531	2.0mm Locking Plate 5 Hole 32mm Long
LPSH200637	2.0mm Locking Plate 6 Hole 37mm Long
LPSH200743	2.0mm Locking Plate 7 Hole 43mm Long
LPSH200849	2.0mm Locking Plate 8 Hole 49mm Long
LPSH200955	2.0mm Locking Plate 9 Hole 55mm Long
LPSH201061	2.0mm Locking Plate 10 Hole 61mm Long
LPSH201167	2.0mm Locking Plate 11 Hole 67mm Long
LPSH201273	2.0mm Locking Plate 12 Hole 73mm Long
LPSH201379	2.0mm Locking Plate 13 Hole 79mm Long
LPSH201485	2.0mm Locking Plate 14 Hole 85mm Long
LS20PSET	2.0mm Locking Plate Set (Contains One Of Each)

2.4mm Plates With Stacked Locking Holes

LPSH240431	2.4mm Locking Plate 4 Hole 31mm Long
LPSH240538	2.4mm Locking Plate 5 Hole 38mm Long
LPSH240645	2.4mm Locking Plate 6 Hole 45mm Long
LPSH240752	2.4mm Locking Plate 7 Hole 52mm Long
LPSH240859	2.4mm Locking Plate 8 Hole 59mm Long
LPSH240966	2.4mm Locking Plate 9 Hole 66mm Long
LPSH241073	2.4mm Locking Plate 10 Hole 73mm Long
LPSH241180	2.4mm Locking Plate 11 Hole 80mm Long
LPSH241287	2.4mm Locking Plate 12 Hole 87mm Long
LPSH241394	2.4mm Locking Plate 13 Hole 94mm Long
LPSH2414101	2.4mm Locking Plate 14 Hole 101mm Long
LPSH2415108	2.4mm Locking Plate 15 Hole 108mm Long
LPSH2416115	2.4mm Locking Plate 16 Hole 115mm Long
LPSH2417122	2.4mm Locking Plate 17 Hole 122mm Long
LPSH2418129	2.4mm Locking Plate 18 Hole 129mm Long
LS24PSET	2.4mm Locking Plate Set (Contains One Of Each)

2.7mm Plates With Stacked Locking Holes

LPSH2704034	2.7mm Locking Plate 4 Hole 34mm Long
LPSH2705042	2.7mm Locking Plate 5 Hole 42mm Long
LPSH2706050	2.7mm Locking Plate 6 Hole 50mm Long
LPSH2707058	2.7mm Locking Plate 7 Hole 58mm Long
LPSH2708066	2.7mm Locking Plate 8 Hole 66mm Long
LPSH2709074	2.7mm Locking Plate 9 Hole 74mm Long
LPSH2710082	2.7mm Locking Plate 10 Hole 82mm Long
LPSH2711090	2.7mm Locking Plate 11 Hole 90mm Long
LPSH2712098	2.7mm Locking Plate 12 Hole 98mm Long
LPSH2713106	2.7mm Locking Plate 13 Hole 106mm Long
LPSH2714114	2.7mm Locking Plate 14 Hole 114mm Long
LPSH2715122	2.7mm Locking Plate 15 Hole 122mm Long
LPSH2716130	2.7mm Locking Plate 16 Hole 130mm Long
LPSH2717138	2.7mm Locking Plate 17 Hole 138mm Long
LPSH2718146	2.7mm Locking Plate 18 Hole 146mm Long
LS27PSET	2.7mm Locking Plate Set (Contains One Of Each)

3.5mm Plates With Stacked Locking Holes

LPSH3504046	3.5mm Locking Plate	46mm 4 Hole
LPSH3505056	3.5mm Locking Plate	56mm 5 Hole
LPSH3506066	3.5mm Locking Plate	66mm 6 Hole
LPSH3507076	3.5mm Locking Plate	76mm 7 Hole
LPSH3508086	3.5mm Locking Plate	86mm 8 Hole
LPSH3508126	3.5mm Locking Plate	126mm 8 Hole
LPSH3509096	3.5mm Locking Plate	96mm 9 Hole
LPSH3510106	3.5mm Locking Plate	106mm 10 Hole
LPSH3511116	3.5mm Locking Plate	116mm 11 Hole
LPSH3512126	3.5mm Locking Plate	126mm 12 Hole
LPSH3513136	3.5mm Locking Plate	136mm 13 Hole
LPSH3514146	3.5mm Locking Plate	146mm 14 Hole
LPSH3515156	3.5mm Locking Plate	156mm 15 Hole
LPSH3516166	3.5mm Locking Plate	166mm 16 Hole
LPSH3517176	3.5mm Locking Plate	176mm 17 Hole
LPSH3518186	3.5mm Locking Plate	186mm 18 Hole
LS35PSET	3.5mm Locking Plate Set (Contains One Of Each)	

For scaled plate profiles, please view the Plate Profile chapter.

Cuttable Malleable Locking Plates

Vi Cuttable Malleable Locking Plates come into their own when pronounced contouring is necessary. They are well suited to situations where bone thickness or bone quality makes application of more conventional implants challenging, such as with many more complicated pelvic fractures as well as situations where mono-cortical application is desirable. As locking implants, intimate bone contact, though desirable, is not essential.

The low profile makes these implants useful for craniomaxillofacial surgery & for other areas with limited soft tissue coverage. Manufactured from stainless steel grade 316LVM, they are stiffer than titanium implants of similar dimensions, but are still cuttable with standard implant cutters offering good versatility.

Use should be reserved for low load applications or when load sharing is possible between these & other implants such as with double plating techniques or when load sharing is possible with the bone. Use to span large defects is not recommended.

Contouring can be achieved with the appropriate sized bending levers or roller-style bending pliers. Cutting of these plates can be performed using an appropriately rated Implant Cutter.



Please note, Cuttable Malleable Plates & Cuttable Malleable Locking Plates are not suitable for weight bearing fractures unless used in conjunction with other plates.

CM15LOCK	1.5mm Cuttable Malleable Locking Plate
CM20LOCK	2.0mm Cuttable Malleable Locking Plate 15 Holes 103mm Long
CM24LOCK	2.4mm Cuttable Malleable Locking Plate 15 Holes 125mm Long
CM27LOCK	2.7mm Cuttable Malleable Locking Plate 15 Holes 148mm Long
CM35LOCK	3.5mm Cuttable Malleable Locking Plate 15 Holes 205mm Long

For scaled plate profiles, please view the Plate Profile chapter.

LokRod™ Plates

The LokRod™ Plate was conceived & designed by David Strong MRCVS. LokRod™ Plates may prove useful as an alternative for more traditional fixation modalities, particularly in the management of feline comminuted long bone fractures with only small proximal & distal fragments.

LokRod™ Plates must be used with locking screws. It is mechanically stronger to place the implant as close to the functional axis of the bone as possible, so it is advised to have the underside of the plate holes snugged up to the bone as close as possible. Spanning of the whole bone reduces adverse screw loading & will improve implant life as well as reduce the chances of bone splitting at these sites.

The chamfered tip enables easier MIPO insertion & the small hole will engage a wire or the tips of reduction forceps to aid positioning. The cylindrical shaft minimises impact on surrounding soft tissue & helps reduce peak loading on the screw-plate & screw-bone interfaces.



LRP24270470	LokRod™ Plate 4 Hole 70mm Long
LRP24270480	LokRod™ Plate 4 Hole 80mm Long
LRP24270490	LokRod™ Plate 4 Hole 90mm Long
LRP242704100	LokRod™ Plate 4 Hole 100mm Long
LRP242704110	LokRod™ Plate 4 Hole 110mm Long

For scaled plate profiles, please view the Plate Profile chapter.

Dynamic Compression Plates

Still a mainstay of veterinary orthopaedics, the DCP allows axial compression across the fracture line where desirable & appropriate. The use of the corresponding screw size, & correct sized Load Neutral Drill Guide for pilot hole placement, is essential to achieve axial compression.



1.5mm Dynamic Compression Plates

CI50420	1.5mm Dynamic Compression Plate 20mm 4 Hole
CI50525	1.5mm Dynamic Compression Plate 24.5mm 5 Hole
CI50629	1.5mm Dynamic Compression Plate 29mm 6 Hole
CI50734	1.5mm Dynamic Compression Plate 33.5mm 7 Hole
CI50838	1.5mm Dynamic Compression Plate 38mm 8 Hole
CI50943	1.5mm Dynamic Compression Plate 42.5mm 9 Hole
CI51047	1.5mm Dynamic Compression Plate 47mm 10 Hole
CI51152	1.5mm Dynamic Compression Plate 51.5mm 11 Hole
CI51256	1.5mm Dynamic Compression Plate 56mm 12 Hole
CI51465	1.5mm Dynamic Compression Plate 65mm 14 Hole
CI51674	1.5mm Dynamic Compression Plate 74mm 16 Hole

2.0mm Dynamic Compression Plates

CP20422	2mm Dynamic Compression Plate 22mm 4 Hole
CP20527	2mm Dynamic Compression Plate 27mm 5 Hole
CP20632	2mm Dynamic Compression Plate 32mm 6 Hole
CP20737	2mm Dynamic Compression Plate 37mm 7 Hole
CP20842	2mm Dynamic Compression Plate 42mm 8 Hole
CP201052	2mm Dynamic Compression Plate 52mm 10 Hole
CP201262	2mm Dynamic Compression Plate 62mm 12 Hole
CP201472	2mm Dynamic Compression Plate 72mm 14 Hole
CP201682	2mm Dynamic Compression Plate 82mm 16 Hole
CP201892	2mm Dynamic Compression Plate 92mm 18 Hole
MP20317	2mm Mini DCP Plate 17mm 3 Hole
MP20423	2mm Mini DCP Plate 23mm 4 Hole
MP20529	2mm Mini DCP Plate 29mm 5 Hole
MP20635	2mm Mini DCP Plate 35mm 6 Hole
MP20741	2mm Mini DCP Plate 41mm 7 Hole

2.4mm Dynamic Compression Plates

C240431	2.4mm Dynamic Compression Plate 31mm 4 Hole
C240538	2.4mm Dynamic Compression Plate 38mm 5 Hole
C240645	2.4mm Dynamic Compression Plate 45mm 6 Hole
C240752	2.4mm Dynamic Compression Plate 52mm 7 Hole
C240859	2.4mm Dynamic Compression Plate 59mm 8 Hole
C240966	2.4mm Dynamic Compression Plate 66mm 9 Hole
C241073	2.4mm Dynamic Compression Plate 73mm 10 Hole
C241180	2.4mm Dynamic Compression Plate 80mm 11 Hole
C241287	2.4mm Dynamic Compression Plate 87mm 12 Hole
C240966	2.4mm Dynamic Compression Plate 101mm 14 Hole
C240966	2.4mm Dynamic Compression Plate 115mm 16 Hole

2.7mm Dynamic Compression Plates

C2702020	2.7mm Dynamic Compression Plate 21mm 2 Hole
C240538	2.7mm Dynamic Compression Plate 37mm 4 Hole
C240645	2.7mm Dynamic Compression Plate 45mm 5 Hole
C240752	2.7mm Dynamic Compression Plate 53mm 6 Hole
C240859	2.7mm Dynamic Compression Plate 61mm 7 Hole
C240966	2.7mm Dynamic Compression Plate 69mm 8 Hole
C241073	2.7mm Dynamic Compression Plate 77mm 9 Hole
C241180	2.7mm Dynamic Compression Plate 85mm 10 Hole
C241287	2.7mm Dynamic Compression Plate 100mm 12 Hole
C240966	2.7mm Dynamic Compression Plate 116mm 14 Hole
C240966	2.7mm Dynamic Compression Plate 133mm 16 Hole
C240966	2.7mm Dynamic Compression Plate 148mm 18 Hole

3.5mm Dynamic Compression Plates

C3502026	3.5mm Dynamic Compression Plate 26mm 2 Hole
C3503038	3.5mm Dynamic Compression Plate 37mm 3 Hole
C3504050	3.5mm Dynamic Compression Plate 50mm 4 Hole
C3505062	3.5mm Dynamic Compression Plate 62mm 5 Hole
C3506074	3.5mm Dynamic Compression Plate 74mm 6 Hole
C3507086	3.5mm Dynamic Compression Plate 86mm 7 Hole
C3508098	3.5mm Dynamic Compression Plate 98mm 8 Hole
C3509111	3.5mm Dynamic Compression Plate 111mm 9 Hole
C3510122	3.5mm Dynamic Compression Plate 122mm 10 Hole
C3512146	3.5mm Dynamic Compression Plate 146mm 12 Hole
C3514170	3.5mm Dynamic Compression Plate 170mm 14 Hole
C3516194	3.5mm Dynamic Compression Plate 194mm 16 Hole
C3518218	3.5mm Dynamic Compression Plate 218mm 18 Hole
C3520242	3.5mm Dynamic Compression Plate 242mm 20 Hole

Broad 3.5mm Dynamic Compression Plates

BC3504050	3.5mm Broad Dynamic Compression Plate 50mm 4 Hole
BC3505062	3.5mm Broad Dynamic Compression Plate 62mm 5 Hole
BC3506074	3.5mm Broad Dynamic Compression Plate 74mm 6 Hole
BC3507087	3.5mm Broad Dynamic Compression Plate 87mm 7 Hole
BC3508098	3.5mm Broad Dynamic Compression Plate 98mm 8 Hole
BC3509110	3.5mm Broad Dynamic Compression Plate 110mm 9 Hole
BC3510122	3.5mm Broad Dynamic Compression Plate 122mm 10 Hole
BC3511134	3.5mm Broad Dynamic Compression Plate 134mm 11 Hole
BC3512146	3.5mm Broad Dynamic Compression Plate 146mm 12 Hole
BC3513158	3.5mm Broad Dynamic Compression Plate 158mm 13 Hole
BC3514170	3.5mm Broad Dynamic Compression Plate 170mm 14 Hole
BC3515182	3.5mm Broad Dynamic Compression Plate 182mm 15 Hole
BC3516194	3.5mm Broad Dynamic Compression Plate 194mm 16 Hole
BC3518218	3.5mm Broad Dynamic Compression Plate 218mm 18 Hole
BC3516194	3.5mm Broad Dynamic Compression Plate 242mm 20 Hole
BC3518218	3.5mm Broad Dynamic Compression Plate 266mm 22 Hole

Narrow 4.5mm Dynamic Compression Plates

C45239	4.5mm Dynamic Compression Plate Narrow 39mm 2 Hole
C45355	4.5mm Dynamic Compression Plate Narrow 55mm 3 Hole
C45471	4.5mm Dynamic Compression Plate Narrow 71mm 4 Hole
C45587	4.5mm Dynamic Compression Plate Narrow 87mm 5 Hole
C456103	4.5mm Dynamic Compression Plate Narrow 103mm 6 Hole
C457119	4.5mm Dynamic Compression Plate Narrow 119mm 7 Hole
C458135	4.5mm Dynamic Compression Plate Narrow 135mm 8 Hole
C459151	4.5mm Dynamic Compression Plate Narrow 151mm 9 Hole
C4510167	4.5mm Dynamic Compression Plate Narrow 167mm 10 Hole
C4511183	4.5mm Dynamic Compression Plate Narrow 183mm 11 Hole
C4512199	4.5mm Dynamic Compression Plate Narrow 199mm 12 Hole
C4513211	4.5mm Dynamic Compression Plate Narrow 211mm 13 Hole
C4514231	4.5mm Dynamic Compression Plate Narrow 231mm 14 Hole
C4515246	4.5mm Dynamic Compression Plate Narrow 246mm 15 Hole
C4516265	4.5mm Dynamic Compression Plate Narrow 265mm 16 Hole
C4518296	4.5mm Dynamic Compression Plate Narrow 296mm 18 Hole
C4520327	4.5mm Dynamic Compression Plate Narrow 327mm 20 Hole

Broad 4.5mm Dynamic Compression Plates

B4507119	4.5mm Broad Dynamic Compression Plate 119mm 7 Hole
B4508135	4.5mm Broad Dynamic Compression Plate 135mm 8 Hole
B4509151	4.5mm Broad Dynamic Compression Plate 151mm 9 Hole
B4510167	4.5mm Broad Dynamic Compression Plate 167mm 10 Hole
B4511183	4.5mm Broad Dynamic Compression Plate 183mm 11 Hole
B4512199	4.5mm Broad Dynamic Compression Plate 199mm 12 Hole
B4513215	4.5mm Broad Dynamic Compression Plate 215mm 13 Hole
B4514231	4.5mm Broad Dynamic Compression Plate 231mm 14 Hole
B4515247	4.5mm Broad Dynamic Compression Plate 247mm 15 Hole
B4516263	4.5mm Broad Dynamic Compression Plate 263mm 16 Hole
B4517279	4.5mm Broad Dynamic Compression Plate 279mm 17 Hole
B4518295	4.5mm Broad Dynamic Compression Plate 295mm 18 Hole

For scaled plate profiles, please view the Plate Profile chapter.

Limited Contact Compression Plates

Very similar in design to the DCP, the Limited Contact Compression Plate allows axial compression across the fracture line where desirable & appropriate. The undercuts on the bone-facing surface are designed to reduce plate-bone contact, in theory resulting in a reduction in periosteal damage & facilitating more rapid bone healing. The use of the corresponding screw size, & correct sized Load Neutral Drill Guide for pilot hole placement, is essential to achieve axial compression.



2.4mm Limited Contact Compression Plates

LC2404038	2.4mm Limited Contact Compression Plate 38mm 4 Hole
LC2405046	2.4mm Limited Contact Compression Plate 46mm 5 Hole
LC2406054	2.4mm Limited Contact Compression Plate 54mm 6 Hole
LC2407062	2.4mm Limited Contact Compression Plate 62mm 7 Hole
LC2408070	2.4mm Limited Contact Compression Plate 70mm 8 Hole
LC2409078	2.4mm Limited Contact Compression Plate 78mm 9 Hole
LC2410086	2.4mm Limited Contact Compression Plate 86mm 10 Hole
LC2411094	2.4mm Limited Contact Compression Plate 94mm 11 Hole
LC2412102	2.4mm Limited Contact Compression Plate 102mm 12 Hole

2.7mm Limited Contact Compression Plates

LC2702026	2.7mm Limited Contact Compression Plate 26mm 2 Hole
LC2704044	2.7mm Limited Contact Compression Plate 44mm 4 Hole
LC2705053	2.7mm Limited Contact Compression Plate 53mm 5 Hole
LC2706062	2.7mm Limited Contact Compression Plate 62mm 6 Hole
LC2707071	2.7mm Limited Contact Compression Plate 71mm 7 Hole
LC2708080	2.7mm Limited Contact Compression Plate 80mm 8 Hole
LC2709089	2.7mm Limited Contact Compression Plate 89mm 9 Hole
LC2710098	2.7mm Limited Contact Compression Plate 98mm 10 Hole
LC2712116	2.7mm Limited Contact Compression Plate 116mm 12 Hole
LC2714134	2.7mm Limited Contact Compression Plate 134mm 14 Hole
LC2716152	2.7mm Limited Contact Compression Plate 152mm 16 Hole

3.5mm Limited Contact Compression Plates

LC3502030	3.5mm Limited Contact Compression Plate 30mm 2 Hole
LC3503043	3.5mm Limited Contact Compression Plate 43mm 3 Hole
LC3504056	3.5mm Limited Contact Compression Plate 56mm 4 Hole
LC3505069	3.5mm Limited Contact Compression Plate 69mm 5 Hole
LC3506082	3.5mm Limited Contact Compression Plate 82mm 6 Hole
LC3507095	3.5mm Limited Contact Compression Plate 95mm 7 Hole
LC3508108	3.5mm Limited Contact Compression Plate 108mm 8 Hole
LC3509121	3.5mm Limited Contact Compression Plate 121mm 9 Hole
LC3510134	3.5mm Limited Contact Compression Plate 134mm 10 Hole
LC3512160	3.5mm Limited Contact Compression Plate 160mm 12 Hole
LC3514186	3.5mm Limited Contact Compression Plate 186mm 14 Hole

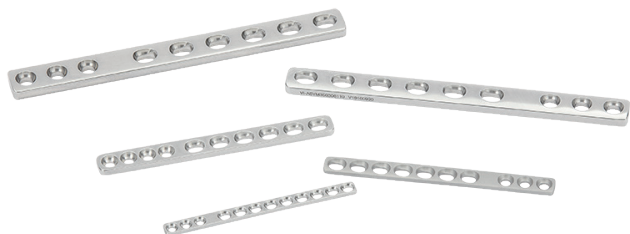
Broad 3.5mm Limited Contact Compression Plates

BLC3504056	3.5mm Broad Limited Contact Compression Plate 56mm 4 Hole
BLC3505069	3.5mm Broad Limited Contact Compression Plate 69mm 5 Hole
BLC3506082	3.5mm Broad Limited Contact Compression Plate 82mm 6 Hole
BLC3507095	3.5mm Broad Limited Contact Compression Plate 95mm 7 Hole
BLC3508108	3.5mm Broad Limited Contact Compression Plate 108mm 8 Hole
BLC3509121	3.5mm Broad Limited Contact Compression Plate 121mm 9 Hole
BLC3510134	3.5mm Broad Limited Contact Compression Plate 134mm 10 Hole
BLC3512160	3.5mm Broad Limited Contact Compression Plate 160mm 12 Hole
BLC3514186	3.5mm Broad Limited Contact Compression Plate 186mm 14 Hole

For scaled plate profiles, please view the Plate Profile chapter.

ASYM[®] Plates

Plate design combining the established principles of round hole & compression plates. These plates are particularly suitable for a fracture or osteotomy scenario where one fragment is significantly smaller, (more distal/proximal) than the other. The round holes provide greater screw stability, & allow for more screws to be placed, in the smaller fragment, whilst compression can still be applied from the longer segment.



2.0mm ASYM[®] Plates

ASYM20030437	2mm ASYM Plate 37mm 4 Compression 3 Round Holes
ASYM20030542	2mm ASYM Plate 42mm 5 Compression 3 Round Holes
ASYM20030647	2mm ASYM Plate 47mm 6 Compression 3 Round Holes
ASYM20030752	2mm ASYM Plate 52mm 7 Compression 3 Round Holes
ASYM20040652	2mm ASYM Plate 52mm 6 Compression 4 Round Holes
ASYM20030857	2mm ASYM Plate 57mm 6 Compression 3 Round Holes
ASYM20040757	2mm ASYM Plate 57mm 8 Compression 4 Round Holes
ASYM20030962	2mm ASYM Plate 62mm 9 Compression 3 Round Holes
ASYM20040862	2mm ASYM Plate 62mm 8 Compression 4 Round Holes
ASYM20031067	2mm ASYM Plate 67mm 10 Compression 3 Round Holes
ASYM20040967	2mm ASYM Plate 67mm 9 Compression 4 Round Holes
ASYM20031172	2mm ASYM Plate 72mm 11 Compression 3 Round Holes
ASYM20041072	2mm ASYM Plate 72mm 10 Compression 4 Round Holes

2.4mm ASYM[®] Plates

ASYM240304052	2.4mm ASYM Plates 52mm 4 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 59mm 5 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 66mm 6 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 73mm 7 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 73mm 6 Compression 4 Round Holes
ASYM240304052	2.4mm ASYM Plates 80mm 8 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 80mm 7 Compression 4 Round Holes
ASYM240304052	2.4mm ASYM Plates 87mm 9 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 87mm 8 Compression 4 Round Holes
ASYM240304052	2.4mm ASYM Plates 94mm 10 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 94mm 9 Compression 4 Round Holes
ASYM240304052	2.4mm ASYM Plates 101mm 11 Compression 3 Round Holes
ASYM240304052	2.4mm ASYM Plates 101mm 10 Compression 4 Round Holes

2.7mm ASYM[®] Plates

ASYM270304060	2.7mm ASYM Plate 60mm 4 Compression 3 Round Holes
ASYM270305068	2.7mm ASYM Plate 68mm 5 Compression 3 Round Holes
ASYM270306076	2.7mm ASYM Plate 76mm 6 Compression 3 Round Holes
ASYM270406076	2.7mm ASYM Plate 76mm 6 Compression 4 Round Holes
ASYM270307084	2.7mm ASYM Plate 84mm 7 Compression 3 Round Holes
ASYM270407084	2.7mm ASYM Plate 84mm 7 Compression 4 Round Holes
ASYM270308092	2.7mm ASYM Plate 92mm 8 Compression 3 Round Holes
ASYM270408092	2.7mm ASYM Plate 92mm 8 Compression 4 Round Holes
ASYM270309100	2.7mm ASYM Plate 100mm 9 Compression 3 Round Holes
ASYM270409100	2.7mm ASYM Plate 100mm 9 Compression 4 Round Holes
ASYM270310108	2.7mm ASYM Plate 108mm 10 Compression 3 Round Holes
ASYM270410108	2.7mm ASYM Plate 108mm 10 Compression 4 Round Holes
ASYM270311118	2.7mm ASYM Plate 118mm 11 Compression 3 Round Holes
ASYM270411118	2.7mm ASYM Plate 118mm 11 Compression 4 Round Holes

3.5mm ASYM[®] Plates

ASYM350304086	3.5mm ASYM Plate 86mm 4 Compression 3 Round Holes
ASYM350305098	3.5mm ASYM Plate 98mm 5 Compression 3 Round Holes
ASYM350306110	3.5mm ASYM Plate 110mm 6 Compression 3 Round Holes
ASYM350307122	3.5mm ASYM Plate 122mm 7 Compression 3 Round Holes
ASYM350406122	3.5mm ASYM Plate 122mm 6 Compression 4 Round Holes
ASYM350308134	3.5mm ASYM Plate 134mm 8 Compression 3 Round Holes
ASYM350407134	3.5mm ASYM Plate 134mm 7 Compression 4 Round Holes
ASYM350309146	3.5mm ASYM Plate 146mm 9 Compression 3 Round Holes
ASYM350408146	3.5mm ASYM Plate 146mm 8 Compression 4 Round Holes
ASYM350310158	3.5mm ASYM Plate 158mm 10 Compression 3 Round Holes
ASYM350409158	3.5mm ASYM Plate 158mm 9 Compression 4 Round Holes
ASYM350311170	3.5mm ASYM Plate 170mm 11 Compression 3 Round Holes
ASYM350410170	3.5mm ASYM Plate 170mm 10 Compression 4 Round Holes
ASYM350312182	3.5mm ASYM Plate 182mm 12 Compression 3 Round Holes
ASYM350411182	3.5mm ASYM Plate 182mm 11 Compression 4 Round Holes

3.5mm ASYM[®] Broad Plates

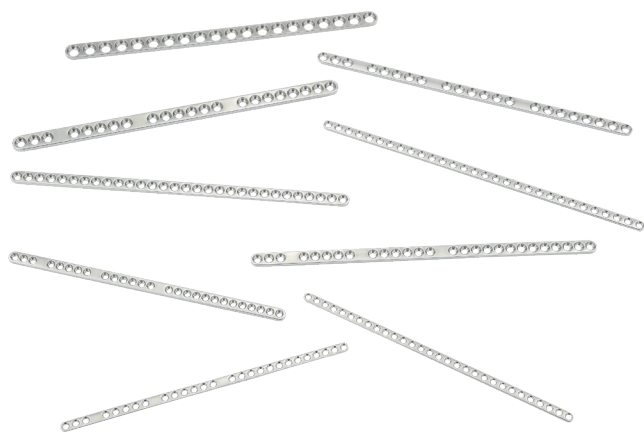
We have some broad 3.5mm ASYM[®] plates available. Please contact us for details.

For scaled plate profiles, please view the Plate Profile chapter.

Cuttable Plates

Available in 1.0mm to 3.5mm sizes, the versatility of these plates lies in their close hole spacing & they can be cut to length intra-op. They are not as stiff or as strong as compression plates of the equivalent size so they are often used in conjunction with other fixation methods e.g. in combination with IM pinning, double plating including stacked plating, edge-loaded, or where elastic osteogenesis is considered advantageous.

Please see page 116 for the 1.0mm range of Cuttable Plates.



Cuttable Plates Standard Spacing



- CP15413030** Cuttable Plate 1.5/2.0 Screws 30 Holes 120 mm Long
- CP205150** Cuttable Plate 2.0 Screws 30 Holes 150 mm Long
- CP2455150** Cuttable Plate 2.4 Screws 27 Holes 150mm Long
- CP276150** Cuttable Plate 2.7 Screws 25 Holes 150 mm Long
- CP3575150** Cuttable Plate 3.5 Screws 20 Holes 150 mm Long

Cuttable Plates Standard Spacing Broad

- CP15413030B** Cuttable Broad 1.5mm Plate 1.5 Screws 30 Holes 121mm Long
- CP205150B** Cuttable Broad 2.0mm Plate 2.0 Screws 30 Holes 150mm Long
- CP276150B** Cuttable Broad 2.7mm Plate 2.7 Screws 25 Holes 150mm Long

Cuttable Plates With Spaces



- CP15413027** Cuttable Plate With Spaces 1.5/2.0mm Screws 27 Holes 120mm Long
- CP20515027** Cuttable Plate With Spaces 2.0mm Screws 27 Holes 150mm Long
- CP245515024** Cuttable Plate With Spaces 2.4mm Screws 24 Holes 150mm Long
- CP27615022** Cuttable Plate With Spaces 2.7mm Screws 22 Holes 150mm Long
- CP357515018** Cuttable Plate With Spaces 3.5mm Screws 18 Holes 150mm Long

Cuttable Plates With Spaces Broad

- CP15413027B** Cuttable Plate Broad With Spaces 1.5mm Screws 27 Holes 121mm Long
- CP20515027B** Cuttable Plate Broad With Spaces 2.0mm Screws 27 Holes 150mm Long
- CP27615022B** Cuttable Plate Broad With Spaces 2.7mm Screws 22 Holes 150mm Long

Veterinary Cuttable Plates



- VCP202427** 2.0mm/2.4mm/2.7mm Cuttable Plate 300mm 50 Holes
- VCP202427B** 2.0mm/2.4mm/2.7mm CuttableBroad Plate 300mm 50 Holes

Double Compression Cuttable Plates



- DCCP206150** Double Comp Cuttable Plate 2.0mm 25 Holes 150mm Long
- DCCP247150** Double Comp Cuttable Plate 2.4mm 21 Holes 150mm Long
- DCCP278150** Double Comp Cuttable 2.7 Plate 19 Holes 150 mm Long

Cuttable Malleable Plates



- CM15413030** Cuttable Malleable Plate 1.5mm Screws 30 Holes 121mm Long
- CM205150** Cuttable Malleable Plate 2.0mm Screws 30 Holes 150mm Long
- CM2455150** Cuttable, Malleable Plate 2.4mm Screws 27 Holes 150mm
- CM276150** Cuttable Malleable Plate 2.7mm Screws 25 Holes 150mm Long
- CM3575150** Cuttable Malleable Plate 3.5mm Screws 20 Holes 150mm Long

Cuttable Malleable Locking Plates



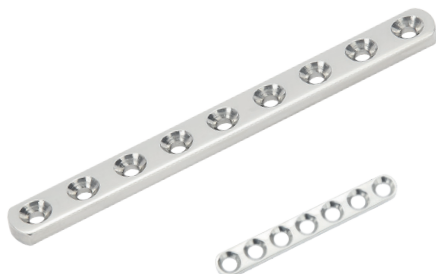
- CM15LOCK** 1.5mm Cuttable Malleable Locking Plate 15 Holes 74mm Long
- CM20LOCK** 2.0mm Cuttable Malleable Locking Plate 15 Holes 103mm Long
- CM24LOCK** 2.4mm Cuttable Malleable Locking Plate 15 Holes 125mm Long
- CM27LOCK** 2.7mm Cuttable Malleable Locking Plate 15 Holes 148mm Long
- CM35LOCK** 3.5mm Cuttable Malleable Locking Plate 15 Holes 205mm Long

Please note, Cuttable Malleable Plates & Cuttable Malleable Locking Plates are not suitable for weight bearing fractures unless used in conjunction with other plates.

For scaled plate profiles, please view the Plate Profile chapter.

Round Hole Plates

A traditional style of plate that may still have useful applications where budget is a concern. Also may be useful where axial compression is not desirable or achievable, the round holes may provide a more stable screw/plate interface & the closer hole spacing can be useful for small fragments. More modern plating solutions may be preferable.



2.0mm Round Hole Plates

PR200213	2mm Round Hole Plate 13mm 2 Hole
PR200420	2mm Round Hole Plate 20mm 4 Hole
PR200423	2mm Round Hole Plate 23mm 4 Hole
PR200525	2mm Round Hole Plate 25mm 5 Hole
PR200528	2mm Round Hole Plate 28mm 5 Hole
PR200630	2mm Round Hole Plate 30mm 6 Hole
PR200633	2mm Round Hole Plate 33mm 6 Hole
PR200735	2mm Round Hole Plate 35mm 7 Hole
PR200738	2mm Round Hole Plate 38mm 7 Hole
PR200840	2mm Round Hole Plate 40mm 8 Hole
PR200843	2mm Round Hole Plate 43mm 8 Hole

2.7mm Round Hole Plates

PR270215	2.7mm Round Hole Plate 15mm 2 Hole
PR270424	2.7mm Round Hole Plate 24mm 4 Hole
PR270427	2.7mm Round Hole Plate 27mm 4 Hole
PR270530	2.7mm Round Hole Plate 30mm 5 Hole
PR270533	2.7mm Round Hole Plate 33mm 5 Hole
PR270636	2.7mm Round Hole Plate 36mm 6 Hole
PR270639	2.7mm Round Hole Plate 39mm 6 Hole
PR270742	2.7mm Round Hole Plate 42mm 7 Hole
PR270745	2.7mm Round Hole Plate 45mm 7 Hole
PR270848	2.7mm Round Hole Plate 48mm 8 Hole
PR270851	2.7mm Round Hole Plate 51mm 8 Hole

2.7mm Round Hole Heavy Duty Plates

HPR270744	2.7mm Heavy Duty Round Hole Plate 44mm 7 Hole
HPR270750	2.7mm Heavy Duty Round Hole Plate 50mm 7 Hole
HPR270850	2.7mm Heavy Duty Round Hole Plate 50mm 8 Hole
HPR270856	2.7mm Heavy Duty Round Hole Plate 56mm 8 Hole
HPR270956	2.7mm Heavy Duty Round Hole Plate 56mm 9 Hole
HPR270962	2.7mm Heavy Duty Round Hole Plate 62mm 9 Hole
HPR271068	2.7mm Heavy Duty Round Hole Plate 68mm 10 Hole
HPR271168	2.7mm Heavy Duty Round Hole Plate 68mm 11 Hole
HPR271174	2.7mm Heavy Duty Round Hole Plate 74mm 11 Hole
HPR271280	2.7mm Heavy Duty Round Hole Plate 80mm 12 Hole

3.5mm Round Hole Plates

P3502022	3.5mm Round Hole Plate 22mm 2 Hole
P3504046	3.5mm Round Hole Plate 46mm 4 Hole
P3504052	3.5mm Round Hole Plate 52mm 4 Hole
P3505058	3.5mm Round Hole Plate 58mm 5 Hole
P3505064	3.5mm Round Hole Plate 64mm 5 Hole
P3506070	3.5mm Round Hole Plate 70mm 6 Hole
P3506076	3.5mm Round Hole Plate 76mm 6 Hole
P3507082	3.5mm Round Hole Plate 82mm 7 Hole
P3507088	3.5mm Round Hole Plate 88mm 7 Hole
P3508094	3.5mm Round Hole Plate 94mm 8 Hole
P3508100	3.5mm Round Hole Plate 100mm 8 Hole
P3509106	3.5mm Round Hole Plate 106mm 9 Hole
P3509118	3.5mm Round Hole Plate 118mm 9 Hole
P3510118	3.5mm Round Hole Plate 118mm 10 Hole
P3510130	3.5mm Round Hole Plate 130mm 10 Hole

3.5mm Round Hole Heavy Duty Plates

H3508104	3.5mm Heavy Duty Round Hole Plate 104mm 8 Hole
H3509117	3.5mm Heavy Duty Round Hole Plate 117mm 9 Hole
H3510130	3.5mm Heavy Duty Round Hole Plate 130mm 10 Hole
H3511143	3.5mm Heavy Duty Round Hole Plate 143mm 11 Hole
H3512156	3.5mm Heavy Duty Round Hole Plate 156mm 12 Hole
H3513169	3.5mm Heavy Duty Round Hole Plate 169mm 13 Hole
H3514180	3.5mm Heavy Duty Round Hole Plate 180mm 14 Hole
H3515195	3.5mm Heavy Duty Round Hole Plate 195mm 15 Hole

For scaled plate profiles, please view the Plate Profile chapter.

Biological Healing Plates

A traditional style of plate that may still have useful applications where budget is a concern. The solid, stiff midsection is designed to bridge a non-reconstructable fracture. More modern plating solutions may be preferable.



2.0mm Biological Healing Plates

BHP2007060	2.0mm 7 Hole 60mm Long
BHP2008065	2.0mm 8 Hole 65mm Long
BHP2008070	2.0mm 8 Hole 70mm Long
BHP2008075	2.0mm 8 Hole 75mm Long
BHP2008080	2.0mm 8 Hole 80mm Long

2.7mm Biological Healing Plates

BHP2706063	2.7mm 6 Hole 63mm Long
BHP2707067	2.7mm 7 Hole 67mm Long
BHP2707073	2.7mm 7 Hole 73mm Long
BHP2707079	2.7mm 7 Hole 79mm Long
BHP2708075	2.7mm 8 Hole 75mm Long
BHP2708081	2.7mm 8 Hole 81mm Long
BHP2708085	2.7mm 8 Hole 85mm Long

3.5mm Biological Healing Plates

BHP3507120	3.5mm 7 Hole 120mm Long
BHP3507130	3.5mm 7 Hole 130mm Long
BHP3507142	3.5mm 7 Hole 142mm Long
BHP3508130	3.5mm 8 Hole 130mm Long
BHP3508142	3.5mm 8 Hole 142mm Long
BHP3508154	3.5mm 8 Hole 154mm Long
BHPB3508130	Broad 3.5mm 8 Hole 130mm Long
BHPB3507130	Broad 3.5mm 7 Hole 130mm Long
BHPB3508142	Broad 3.5mm 8 Hole 142mm Long
BHPB3507142	Broad 3.5mm 7 Hole 142mm Long
BHPB3508154	Broad 3.5mm 8 Hole 154mm Long

4.5mm Biological Healing Plates

BHP4507138	4.5mm 7 Hole 138mm Long
BHP4507151	4.5mm 7 Hole 151mm Long
BHP4507164	4.5mm 7 Hole 164mm Long
BHP4508150	4.5mm 8 Hole 150mm Long
BHP4508163	4.5mm 8 Hole 163mm Long
BHP4508176	4.5mm 8 Hole 176mm Long

Reconstruction Plates

A traditional style of plate, easy to contour in multiple directions, Reconstruction Plates are both stronger & stiffer than the cuttable malleable plates, but less strong & stiff than compression plates. Typically these plates are used as neutralisation plates where the surface anatomy of the bone is challenging to accurately contour a regular plate over e.g. the humeral condyle or the pelvis.



2.7mm Reconstruction Plates

RC270540	2.7mm Reconstruction Plate 40mm 5 Hole
RC270648	2.7mm Reconstruction Plate 48mm 6 Hole
RC270756	2.7mm Reconstruction Plate 56mm 7 Hole
RC270864	2.7mm Reconstruction Plate 64mm 8 Hole
RC270972	2.7mm Reconstruction Plate 72mm 9 Hole
RC271080	2.7mm Reconstruction Plate 80mm 10 Hole
RC271188	2.7mm Reconstruction Plate 88mm 11 Hole
RC271296	2.7mm Reconstruction Plate 96mm 12 Hole

3.5mm Reconstruction Plates

RC350558	3.5mm Reconstruction Plate 58mm 5 Hole
RC350670	3.5mm Reconstruction Plate 70mm 6 Hole
RC350782	3.5mm Reconstruction Plate 82mm 7 Hole
RC350894	3.5mm Reconstruction Plate 94mm 8 Hole
RC3509106	3.5mm Reconstruction Plate 106mm 9 Hole
RC3510118	3.5mm Reconstruction Plate 118mm 10 Hole
RC3511130	3.5mm Reconstruction Plate 130mm 11 Hole
RC3512142	3.5mm Reconstruction Plate 142mm 12 Hole

For scaled plate profiles, please view the Plate Profile chapter.

T-Plates

T-Plates are mainly used for distal radial fractures, but may also be useful in management of cranial, pelvic or certain scapula fractures. Locking T plates offer inherently better angular stability, which can be useful when managing small fragments.



Locking T-Plates

1.5mm Locking T-Plate



T1515836LOCK 1.5mm Locking T-Plate 8 Holes 36mm Long

2.0mm Locking T-Plates



T2020532LOCK 2.0mm Locking T-Plate 5 Holes 32mm Long

T2020632LOCK 2.0mm Locking T-Plate 6 Holes 32mm Long

T2020850LOCK 2.0mm Locking T-Plate 8 Holes 50mm Long

2.4mm/2.7mm Locking T-Plates



T240531LOCK 2.4mm Locking T-Plate 5 Holes 37mm Long

T2427537LOCK 2.4mm/2.7mm Locking T-Plate 5 Holes 37mm Long

T2427647LOCK 2.4mm/2.7mm Locking T-Plate 6 Holes 47mm Long

T2427755LOCK 2.4mm/2.7mm Locking T-Plate 7 Holes 55mm Long

T2427748LOCK 2.4mm/2.7mm Locking T-Plate 3 Head 4 Shaft 48mm Long

3.5mm Locking T-Plates



T350660LOCK 3.5mm Locking T-Plate 6 Holes 66mm Long

T350766LOCK 3.5mm Locking T-Plate 3 Head 4 Shaft 60mm Long

T350880LOCK 3.5mm Locking T-Plate 8 Holes 80mm Long

T3510100LOCK 3.5mm Locking T-Plate 10 Holes 100mm Long

T3512120LOCK 3.5mm Locking T-Plate 12 Holes 120mm Long

Compression T-Plates



1.5mm Compression T-Plates

T151520 1.5mm 2 Holes Head 3 Holes Shaft 20mm Long

T151525 1.5mm 2 Holes Head 4 Holes Shaft 25mm Long

T1515626 1.5mm 3 Holes Head 3 Holes Shaft 26mm Long

T1515731 1.5mm 3 Holes Head 4 Holes Shaft 31mm Long

T1515836 1.5mm 3 Holes Head 5 Holes Shaft 36mm Long

T1515940 1.5mm 3 Holes Head 6 Holes Shaft 40mm Long

2.0mm Compression T-Plates

T202025 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 25mm Long
Shaft Width 5.1mm Shaft Thickness 1.5mm

T202027 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 27mm Long
Shaft Width 5.1mm Shaft Thickness 1.5mm

T202032 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 32mm Long
Shaft Width 5.1mm Shaft Thickness 1.5mm

T2020636 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 36mm Long
Shaft Width 5.1mm Shaft Thickness 1.5mm

T2020742 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 42mm Long
Shaft Width 5.1mm Shaft Thickness 1.5mm

T202042 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 42mm Long
8 Hole Shaft Width 5.1mm Shaft Thickness 1.5mm

T202050 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 50mm Long
8 Hole Shaft Width 5.1mm Shaft Thickness 1.5mm

T2020750 2.0mm 'T' Plate 1.5 or 2.0mm Head 2.0mm Shaft 50mm Long
7 Hole Shaft Width 5.1mm Shaft Thickness 1.5mm

2.4mm Compression T-Plates

T240531 2.4mm 'T' Plate 5 Holes 31mm Long

T240638 2.4mm 'T' Plate 6 Holes 38mm Long

T240744 2.4mm 'T' Plate 7 Holes 44mm Long

T240853 2.4mm 'T' Plate 8 Holes 53mm Long

T240858 2.4mm 'T' Plate 8 Holes 58mm Long

T240958 2.4mm 'T' Plate 9 Holes 58mm Long

T241072 2.4mm 'T' Plate 10 Holes 72mm Long

T241172 2.4mm 'T' Plate 11 Holes 72mm Long

2.7mm Compression T-Plates

T270535 2.7mm 'T' Plate 5 Holes 35mm Long

T270643 2.7mm 'T' Plate 6 Holes 43mm Long

T270749 2.7mm 'T' Plate 7 Holes 49mm Long

T270857 2.7mm 'T' Plate 8 Holes 57mm Long

T270967 2.7mm 'T' Plate 9 Holes 67mm Long

T270973 2.7mm 'T' Plate 9 Holes 73mm Long

T271073 2.7mm 'T' Plate 10 Holes 73mm Long

T271191 2.7mm 'T' Plate 11 Holes 91mm Long

T271291 2.7mm 'T' Plate 12 Holes 91mm Long

T271297 2.7mm 'T' Plate 12 Holes 97mm Long

T271397 2.7mm 'T' Plate 13 Holes 97mm Long

For scaled plate profiles, please view the Plate Profile chapter.

Scan the QR code below to be the first to hear about our upcoming new plate ranges.



Hybrid Anatomical T-Plates



2.0mm Hybrid Anatomical T-Plates

- T2027755** Hybrid Anatomical 'T' Plate 3x 2mm Head Screws
4x 2.7mm Shaft Screws 55mm Long
- T2027758** Hybrid Anatomical 'T' Plate 3x 2mm Head Screws
4x 2.7mm Shaft Screws 58mm Long

2.7mm Hybrid Anatomical T-Plates

- T273572** Hybrid Anatomical 'T' Plate 3x 2.7mm Head Screws
4x 3.5mm Shaft Screws 72mm Long
- T273576** Hybrid Anatomical 'T' Plate 3x 2.7mm Head Screws
4x 3.5mm Shaft Screws 76mm Long

3.5mm Hybrid Anatomical T-Plates

- T3545795** Hybrid Anatomical 'T' Plate 3x 3.5mm Head Screws
4x 4.5mm Shaft Screws 95mm Long
- T3545799** Hybrid Anatomical 'T' Plate 3x 3.5mm Head Screws
4x 4.5mm Shaft Screws 99mm Long

Hybrid T-Plates



1.5mm Hybrid T-Plates

- T152034** Hybrid 'T' Plate - 1.5 Or 2.0mm Head
2.0mm Shaft 34mm Long Cuttable
Shaft Width 4.5mm Shaft Thickness 1.1mm

2.0mm Hybrid T-Plates

- T20242736** Hybrid 'T' Plate - 2.0, 2.4 Or 2.7mm Head
2.0 2.4 Or 2.7mm Shaft 36mm Long
Shaft Width 7.4mm Shaft Thickness 2mm
- T20242744** Hybrid 'T' Plate - 2.0, 2.4 Or 2.7mm Head
2.0, 2.4 Or 2.7mm Shaft 44mm Long
Shaft Width 7.4mm Shaft Thickness 2mm
- T20242752** Hybrid 'T' Plate - 2.0, 2.4 Or 2.7mm Head
2.0 2.4 Or 2.7mm Shaft 52mm Long
Shaft Width 7.4mm Shaft Thickness 2mm
- T20242771** Hybrid 'T' Plate - 2.0, 2.4 Or 2.7mm Head
2.0 2.4 Or 2.7mm Shaft 71mm Long
Shaft Width 7.4mm Shaft Thickness 2mm

2.0mm Hybrid T-Plates

- T273562** Hybrid 'T' Plate - 2.7 Or 3.5mm Head
3.5mm Shaft 62mm Long
Shaft Width 9.5mm Shaft Thickness 2mm
- T273585** Hybrid 'T' Plate - 2.7 Or 3.5mm Head
3.5mm Shaft 85mm Long
Shaft Width 9.5mm Shaft Thickness 2mm

T-Plates Clover Leaf



2.0mm T-Plates Clover Leaf

- TPLO202026** 2.0mm DCP 26mm Overall Length
- TPLO202031** 2.0mm DCP 31mm Overall Length

2.4mm T-Plates Clover Leaf

- TPLO242434** 2.4mm DCP 34mm Overall Length
- TPLO242441** 2.4mm DCP 41mm Overall Length

2.7mm T-Plates Clover Leaf

- TPLO272739** 2.7mm DCP 39mm Overall Length
- TPLO272745** 2.7mm DCP 45mm Overall Length
- TPLO273539** 2.7/3.5 DCP 39mm Overall Length
Allows Use Of 3.5 Cancellous Screw In Head
- TPLO273545** 2.7/3.5 DCP 45mm Overall Length
Allows Use Of 2.7 & 3.5 Screws In Head 2.5mm Thick

3.5mm T-Plates Clover Leaf

- TPLO353555** 3.5mm DCP 55mm Overall Length
- TPLO353557** 3.5mm DCP 57mm Overall Length Heavy Duty
- TPLO353559** 3.5mm DCP 59mm Overall Length
- TPLO353562** 3.5mm DCP 62mm Overall Length
- TPLO353565** 3.5mm DCP 65mm Overall Length
- TPLO353577** 3.5mm DCP 77mm Overall Length 7 Holes
- TPLO353577X** 3.5mm DCP 77mm Overall Length 8 Holes
- TPLO353579** 3.5mm DCP 79mm Overall Length Heavy Duty
- TPLO354579** 3.5/4.5 DCP 79mm Overall Length Heavy Duty
Allows 4.5 Screws In Head
- TPLO35456579** 3.5/4.5 DCP 79mm Overall Length Heavy Duty
Will Accept 6.5 Cancellous Screws In Head 4.5mm Thick

4.5mm T-Plates Clover Leaf

- TPLO45659030** 4.5mm DCP 90mm Overall Length
Will Accept 6.5 Cancellous Screws In Head 3.0mm Thick
- TPLO45659035** 4.5/6.5mm DCP 90mm Overall Length
Will Accept 6.5 Cancellous Screws In Head 3.5mm Thick
- TPLO45659045** 4.5mm DCP 90mm Overall Length
Will Accept 6.5 Cancellous Screws In Head 4.5mm Thick

T-Plates Round Hole

- TC204018** 2mm 'T' Plate 4 Hole 18mm 2 Holes Distally
- TC205024** 2mm 'T' Plate 5 Hole 24mm 2 Holes Distally
- OR270532** 2.7mm 'T' Plate 5 Hole 32mm Oblique R 2 Holes Distally
- TC270639** 2.7mm 'T' Plate 6 Hole 39mm 2 Holes Distally
- TC350655** 3.5mm 'T' Plate 6 Hole 55mm 2 Holes Distally
- TC350662** 3.5mm 'T' Plate 6 Hole 62mm 2 Holes Distally
- TC350777** 3.5mm 'T' Plate 7 Hole 77mm 2 Holes Distally
- TC350877** 3.5mm 'T' Plate 8 Hole 77mm 2 Holes Distally

For scaled plate profiles, please view the Plate Profile chapter.

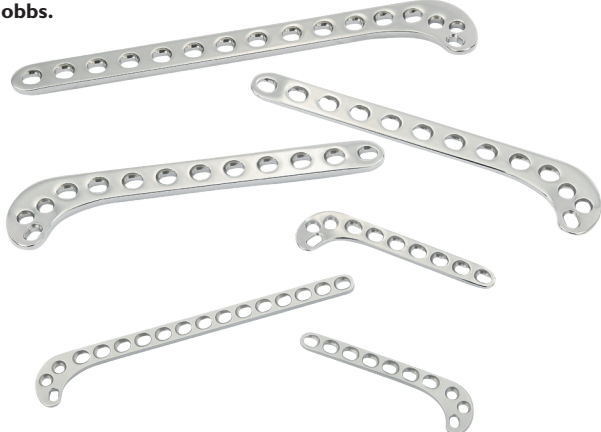
Introducing the new TPLO Modular Plating Box Concept

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Supracondylar Plates

Supracondylar femoral fractures in mature animals can be very difficult to repair. Small distal fragment size makes placement of sufficient implants a challenge, & there are often multiple small fragments in the supracondylar area. The forces acting on the distal femur are complex requiring a special plate to neutralise them. The original plates were developed by Mark Glyde using finite element analysis & an extra long version for cats has been developed in conjunction with Sorrel Langley-Hobbs.



2.0mm Supracondylar Plates

- I52701** Supracondylar Plate 2.0mm - Short Distal End - Right
- I52709** Supracondylar Plate 2.0mm - Short Distal End - Left
- I52700** Supracondylar Plate 2.0mm 50mm Long - Right - Shaft Width 5.5mm Shaft Thickness 2.0mm
- I52710** Supracondylar Plate 2.0mm 50mm Long - Left - Shaft Width 5.5mm Shaft Thickness 2.0mm
- I52700XL** Supracondylar Plate 2.0mm 120mm Extra Long Cuttable Right Shaft Width 5.5mm Shaft Thickness 2mm
- I52710XL** Supracondylar Plate 2.0mm 120mm Extra Long Cuttable Left Shaft Width 5.5mm Shaft Thickness 2mm

2.4mm Supracondylar Plates

- I52711R** Supracondylar Plate 2.4mm 62mm Long Right Shaft Width 6.5mm Shaft Thickness 2mm
- I52711L** Supracondylar Plate 2.4mm 62mm Long Left Shaft Width 6.5mm Shaft Thickness 2mm
- I52711R-XL** Supracondylar Plate 2.4mm 112mm Extra Long Right Shaft Width 6.5mm Shaft Thickness 2mm
- I52711L-XL** Supracondylar Plate 2.4mm 112mm Extra Long Left Shaft Width 6.5mm Shaft Thickness 2mm

2.7mm Supracondylar Plates

- I52712** Supracondylar Plate 2.7mm Left 69mm Long
- I52714** Supracondylar Plate 2.7mm Right 69mm Long

3.5mm Supracondylar Plates

- I52715N** Supracondylar Plate 3.5mm Narrow Left 135mm Long
- I52717N** Supracondylar Plate 3.5mm Narrow Right 135mm Long
- I52715** Supracondylar Plate 3.5mm Broad Left 135mm Long
- I52717** Supracondylar Plate 3.5mm Broad Right 135mm Long
- I52716** Supracondylar Femur 3.5mm Broad Left 173mm Long
- I52718** Supracondylar Femur 3.5mm Broad Right 173mm Long

Scan the QR code below to be the first to hear about our upcoming new plate ranges.



Supracondylar Osteotomy Plates (SCOP)

Angular correction of the distal femur by means of a supracondylar osteotomy (distal femoral osteotomy/DFO) is an accepted technique for correction of patella luxation in medium & large dogs with a limb alignment deformity. The distal femur is a difficult area over which to appropriately contour a plate & place sufficient screws. Using finite element analysis (FEA), Mark Glyde designed a preformed plate specifically for this area. Our SCOP plates feature thinning to the proximal end & smoothing to cranio-distal edge over which there is high motion during stifle flexion/extension.



2.0mm Supracondylar Osteotomy Plates

- I52608** 2.0mm Supracondylar Osteotomy Plate Right
- I52609** 2.0mm Supracondylar Osteotomy Plate Left
- I52612** 2.0mm Supracondylar Osteotomy Plate Short Distal End - Right
- I52613** 2.0mm Supracondylar Osteotomy Plate Short Distal End - Left
- I52608** 2.0mm Supracondylar Osteotomy Plate Right
- I52609** 2.0mm Supracondylar Osteotomy Plate Right

2.4mm Supracondylar Osteotomy Plates

- I52606** 2.4mm Supracondylar Osteotomy Plate Right
- I52607** 2.4mm Supracondylar Osteotomy Plate Left

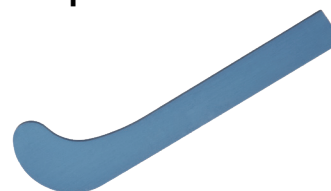
2.7mm Supracondylar Osteotomy Plates

- I52600** 2.7mm Supracondylar Osteotomy Plate Right
- I52605** 2.7mm Supracondylar Osteotomy Plate Left

3.5mm Supracondylar Osteotomy Plates

- I52610** 3.5mm Supracondylar Osteotomy Plate Right
- I52615** 3.5mm Supracondylar Osteotomy Plate Left
- I52620** 3.5mm Broad Supracondylar Osteotomy Plate Right
- I52625** 3.5mm Broad Supracondylar Osteotomy Plate Left

Bending Templates



- BT152700** Bending Template for 2.0mm Supracondylar Plate
- BT152711** Bending Template for 2.4mm Supracondylar Plate
- BT152714** Bending Template for 2.7mm Supracondylar Plate
- BT152717** Bending Template for 3.5mm Supracondylar Plate

For scaled plate profiles, please view the Plate Profile chapter.

Acetabular Plates

Accurate repair of fractures of the acetabulum is essential if full function is to be restored & long term arthritic changes are to be avoided. Ten sizes are available. These round-holed plates are pre-contoured three dimensionally to ensure a good fit.



2.0mm Acetabular Plates

AP200400XS	2.0mm Acetabular Plate 4 Hole Extra Small
AP200400	2.0mm Acetabular Plate 4 Hole Size 0
AP200401	2.0mm Acetabular Plate 4 Hole Size I
AP200401L	2.0mm Acetabular Plate 4 Hole Large

2.4mm Acetabular Plate

AP240406	2.4mm Acetabular Plate 4 Hole
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2.7mm Acetabular Plates

AP270602	2.7mm Acetabular Plate 6 Hole Size 2
AP270603	2.7mm Acetabular Plate 6 Hole Size 3

3.5mm Acetabular Plates

AP350604	3.5mm Acetabular Plate 6 Hole Size 4
AP350605	3.5mm Acetabular Plate 6 Hole Size 5
AP350607	3.5mm Acetabular Plate 6 Hole Extra Large

Acetabular Plate Set

APSET	Set Of Acetabular Plates Set of 10 (One Of Each Of The Plates Listed Above)
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Butterfly Plates

A novel plate design with potential use across a range of procedures such as revision/embrocation of TTA repairs, cranial surgery & pelvic surgery.



Locking Butterfly Plates

BTFP20417LOCK	2.0mm Locking Butterfly Plate 4 Hole 17mm Long
BTFP24418LOCK	2.4mm Locking Butterfly Plate 4 Hole 18mm Long
BTFP24420LOCK	2.4mm Locking Butterfly Plate 4 Hole 20mm Long
BTFP27425LOCK	2.7mm Locking Butterfly Plate 4 Hole 25mm Long

1.5mm Non-Locking Butterfly Plates

BTFP15414	1.5mm Butterfly Plate 4 Hole 14mm Length
BTFP15415	1.5mm Butterfly Plate 4 Hole Wide Head 15mm Length
BTFP15619	1.5mm Butterfly Plate 6 Hole 19mm Length

2.0mm Non-Locking Butterfly Plates

BTFP20416	2.0mm Butterfly Plate 4 Hole 16mm Length
BTFP20417	2.0mm Butterfly Plate 4 Hole Wide Head 17mm Length
BTFP20623	2.0mm Butterfly Plate 6 Hole 23mm Length

2.4mm Non-Locking Butterfly Plates

BTFP24418	2.4mm Butterfly Plate 4 Hole 18mm Length
BTFP24420	2.4mm Butterfly Plate 4 Hole 14mm Wide Head 20mm Length
BTFP24626	2.4mm Butterfly Plate 6 Hole 26mm Length

2.7mm Non-Locking Butterfly Plates

BTFP27421	2.7mm Butterfly Plate 4 Hole 21mm Length
BTFP27425	2.7mm Butterfly Plate 4 Hole Wide Head 25mm Length
BTFP27630	2.7mm Butterfly Plate 6 Hole 30mm Length

For scaled plate profiles, please view the Plate Profile chapter.

Carpal Arthrodesis Plates

Our comprehensive range of plates for carpal arthrodesis plates take into account the challenges of this procedure & are designed for the dorsal approach.

- Appropriately sized & spaced screw-holes proximally & distally.
- Sufficient strength through the mid-portion
- Thinning to the distal portion reducing stress riser effects & aiding skin closure.

Locking pancarpal plates are the newest addition to the range.



Partial Carpal Arthrodesis Plates



1.5/2.0mm Partial Carpal Arthrodesis Plates

I52932 Partial Carpal Arthrodesis Plate 1.5/2.0mm

2.0/2.4/2.7mm Partial Carpal Arthrodesis Plates

I52931 Partial Carpal Arthrodesis Plate 2.0/2.4/2.7mm 50mm

2.7/3.5mm Partial Carpal Arthrodesis Plates

I52930 Partial Carpal Arthrodesis Plate 2.7/3.5mm 65mm

Locking Pancarpal Arthrodesis Plates



1.5/2.0mm Locking Pancarpal Arthrodesis Plates

PCALK1520 1.5/2.0mm Locking Pancarpal Arthrodesis Plate
PCALK1520L 1.5/2.0mm Locking Pancarpal Arthrodesis Plate - Long

2.0/2.4mm Locking Pancarpal Arthrodesis Plates

PCALK2024 2.0/2.4mm Locking Pancarpal Arthrodesis Plate
PCALK2024L 2.0/2.4mm Locking Pancarpal Arthrodesis Plate - Long

2.0/2.7mm Locking Pancarpal Arthrodesis Plates

PCALK2027 2.0/2.7mm Locking Pancarpal Arthrodesis Plate
PCALK2027L 2.0/2.7mm Locking Pancarpal Arthrodesis Plate - Long

2.7/3.5mm Locking Pancarpal Arthrodesis Plates

PCALK2735 2.7/3.5mm Locking Pancarpal Arthrodesis Plate
PCALK2735L 2.7/3.5mm Locking Pancarpal Arthrodesis Plate - Long
PCALK2735XL 2.7/3.5mm Locking Pancarpal Arthrodesis Plate - Extra Long

DCP Style Pancarpal Arthrodesis Plates



1.0/1.5mm DCP Style PCA Plates

I52970 1.0mm/1.5mm Compression Arthrodesis Plate

1.5/2.0mm DCP Style PCA Plates

I52911 1.5mm/2.0mm Compression Arthrodesis Plate
I52911XL 1.5mm/2.0mm Compression Extended Length

2.0/2.0mm DCP Style PCA Plates

I52912 2.0mm/2.0mm Compression Arthrodesis Plate
I52912XL 2.0mm/2.0mm Compression Extended Length

2.0/2.7mm DCP Style PCA Plates

I52902 2.0mm/2.7mm Compression Arthrodesis Plate
I52905 2.0mm/2.7mm Compression Arthrodesis Plate
I52905XL 2.0mm/2.7mm Compression Extended Length

2.7/3.5/4.5mm DCP Style PCA Plates

I52903 2.7mm/3.5mm Compression Arthrodesis Plate
I52903XL 2.7mm/3.5mm Compression Extended Length
I52907 3.5mm/3.5mm Compression Arthrodesis Plate
I52907XL 3.5mm/3.5mm Compression Extended Length
I52909 3.5mm/4.5mm Pancarpal Arthrodesis Plate 185mm

For scaled plate profiles, please view the Plate Profile chapter.

Tarsal Arthrodesis Plates

Our comprehensive range of plates for tarsal arthrodesis take account of the challenges of this procedure. Plates are available for both the medial & dorsal approaches. Medial plates are available either with or without the T4 slot, & a titanium medial plate is available in one size. Plate angulation is set to match the normal standing angles of the target patient population.

Our original range of medial pantarsal arthrodesis plates were developed from custom implants supplied to Malcolm McKee, & improvements have been subsequently made to this original design. The Dorsal Pantarsal Arthrodesis Plate was developed in collaboration with Noel Fitzpatrick & allows the surgeon to benefit from the advantages of dorsal placement, whilst minimising the risks of failure.



Partial Tarsal Arthrodesis Plates



1.5/2.0mm Partial Tarsal Arthrodesis Plates

I52924	Partial Tarsal Arthrodesis Plate 1.5mm/2.0mm
I52923	Partial Tarsal Arthrodesis Plate 2.0mm/2.0mm

2.0/2.7mm Partial Tarsal Arthrodesis Plates

I52923	Partial Tarsal Arthrodesis Plate 2.0mm/2.0mm
I52920	Partial Tarsal Arthrodesis Plate 2.0mm/2.7mm
I52922	Partial Tarsal Arthrodesis Plate 2.7mm/2.7mm
I52920SC	Partial Tarsal Arthrodesis Plate 2.0mm/2.7mm Short Calcaneus

2.7/3.5mm Partial Tarsal Arthrodesis Plates

I52921	Partial Tarsal Arthrodesis Plate 2.7mm/3.5mm
I52925	Partial Tarsal Arthrodesis Plate 2.7mm/3.5mm

Medial Pantarsal Arthrodesis Plates



Please note that the left & right description for the pantarsal plates applies when the plate is applied medially.

2.0/2.7mm Medial Pantarsal Arthrodesis Plates

I52918	2.0mm/2.7mm Pantarsal Plate Right Cat 120°
I52917	2.0mm/2.7mm Pantarsal Plate Left Cat 120°
I52916	2.0mm/2.7mm Pantarsal Plate Right Dog 140°
I52915	2.0mm/2.7mm Pantarsal Plate Left Dog 140°

2.7/3.5mm Medial Pantarsal Arthrodesis Plates

I52914	2.7mm/3.5mm Pantarsal Plate Right Short
I52913	2.7mm/3.5mm Pantarsal Plate Left Short

Feline Pantarsal Plate With T4 Slot



1.5/2.0mm Feline Pantarsal Plate With T4 Slot

I52967-T4	1.5mm/2.0mm Feline Pantarsal Plate with T4 Slot - 120° Right
I52966-T4	1.5mm/2.0mm Feline Pantarsal Plate with T4 Slot - 120° Left

2.0/2.7mm Feline Pantarsal Plate With T4 Slot

I52918-T4	2.0mm/2.7mm Feline Pantarsal Plate with T4 Slot - 120° Right
I52917-T4	2.0mm/2.7mm Feline Pantarsal Plate with T4 Slot - 120° Left

Scan the QR code below to be the first to hear about our upcoming new plate ranges.



For scaled plate profiles, please view the Plate Profile chapter.

Canine Pantarsal Arthrodesis Plates With T4 Slot



1.5/2.0mm Canine Pantarsal Arthrodesis Plates With T4 Slot

- I52969-T4** 1.5mm/2.0mm Canine Pantarsal Plate With T4 Slot - 135° Right
- I52968-T4** 1.5mm/2.0mm Canine Pantarsal Plate With T4 Slot - 135° Left

2.0/2.7mm Canine Pantarsal Arthrodesis Plates With T4 Slot

- I52916-T4** 2.0mm/2.7mm Canine (Small) Pantarsal Plate With T4 Slot - 140° Right
- I52915-T4** 2.0mm/2.7mm Canine (Small) Pantarsal Plate With T4 Slot - 140° Left
- I52964-T4** 2.0mm/2.7mm Canine Pantarsal Plate With T4 slot - 140° Left
- I52965-T4** 2.0mm/2.7mm Canine Pantarsal Plate With T4 slot - 140° Right

2.0/2.7/3.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot

- I52962-T4** 2.0mm/2.7mm/3.5mm Medial Pantarsal Arthrodesis Plate Left With T4
- I52963-T4** 2.0mm/2.7mm/3.5mm Medial Pantarsal Arthrodesis Plate Right With T4

2.7/3.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot

- I52914-T4S** 2.7mm/3.5mm Canine Pantarsal Plate With T4 Slot - Right Short
- I52913-T4S** 2.7mm/3.5mm Canine Pantarsal Plate With T4 Slot - Left Short
- I52914-T4** 2.7mm/3.5mm Canine Pantarsal Plate With T4 Slot - Right Hand
- I52913-T4** 2.7mm/3.5mm Canine Pantarsal Plate With T4 Slot - Left Hand

2.7/3.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot - Titanium

- I52913-T4TI** 2.7mm/3.5mm Canine Pantarsal Arthrodesis T4 Slot Left Titanium
- I52914-T4TI** 2.7mm/3.5mm Canine Pantarsal Arthrodesis T4 Slot Right Titanium

2.7/3.5/4.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot

- I52960-T4** 2.7mm/3.5mm/4.5mm Canine Pantarsal Plate With T4 Slot - Left Hand
- I52961-T4** 2.7mm/3.5mm/4.5mm Canine Pantarsal Plate With T4 Slot - Right Hand

Dorsal Pantarsal Arthrodesis Plates



Feline Dorsal Pantarsal Arthrodesis Plate

- I52941** Feline Dorsal Pantarsal Arthrodesis Plate 2.0mm/2.0mm Calcaneal Holes Accept 2.0mm Or 2.4mm Screws

Canine Dorsal Pantarsal Arthrodesis Plate

- I52946** Canine Dorsal Pantarsal Arthrodesis Plate 2.4mm/2.7mm/3.5mm

Elbow Arthrodesis Plates

Elbow arthrodesis may present a realistic option where funds are limited or where joint replacement has failed. Available in a single size designed for the Labrador-sized patient, & available in both locking & non-locking variants.



- I52950** Elbow Arthrodesis Plate 2.7/3.5mm Right
- I52951** Elbow Arthrodesis Plate 2.7/3.5mm Left
- I52950LOCK** Elbow Arthrodesis Plate 2.7/3.5mm Right - Locking
- I52951LOCK** Elbow Arthrodesis Plate 2.7/3.5mm Left - Locking

For scaled plate profiles, please view the Plate Profile chapter.

Limb Salvage Plates

A range of plates for certain scenarios where an extended length plate is required for limb salvage.

2.7/3.5mm Canine Forelimb Salvage Plate



I52903XXXL 2.7mm/3.5mm Canine Limb Salvage Plate 262mm Long

Super XXL 3.5/4.5mm Forelimb Salvage Plate



I52980 Super XXL Forelimb Salvage Plate

Feline/Small Canine Forelimb Salvage Plate



I52910 Forelimb Salvage Plate 1.5/2.0mm

Hindlimb Salvage Plates



Feline Hindlimb Salvage Plates

- I52917-T4XL** Feline (120°) Hindlimb Salvage Plate 2.0mm/2.7mm Left
- I52918-T4XL** Feline (120°) Hindlimb Salvage Plate 2.0mm/2.7mm Right

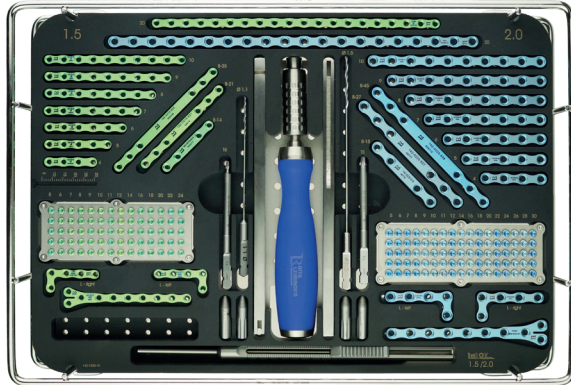
Canine Hindlimb Salvage Plates

- I52913-T4XL** Canine (140°) Hindlimb Salvage Plate 2.7mm/3.5mm Left
- I52914-T4XL** Canine (140°) Hindlimb Salvage Plate 2.7mm/3.5mm Right

For scaled plate profiles, please view the Plate Profile chapter.

LeiLOX 1.5/2.0 MicroLocking System

1.5/2.0 Osteosynthesis Locking Set Titanium



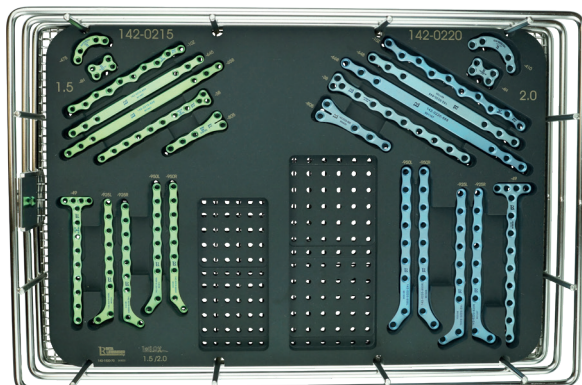
- Contains:**
 1x Tray for Implants & Instruments with Lid
 1x Locking Plate of each style (28 pcs. total)
 5x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
 5x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
 2x Screwdriver Shafts
 1x Screwdriver Handle
 2x 2 Locking Drill Guides
 1x Depth Gauge
 2x Drills (AO, 1.1 & 1.5)
 1x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

Tray only without contents:

LEILOX142-1520-10 LeiLOX Titanium 1.5/2mm Locking Set Tray Only

1.5/2.0 Challenger Locking Set Titanium

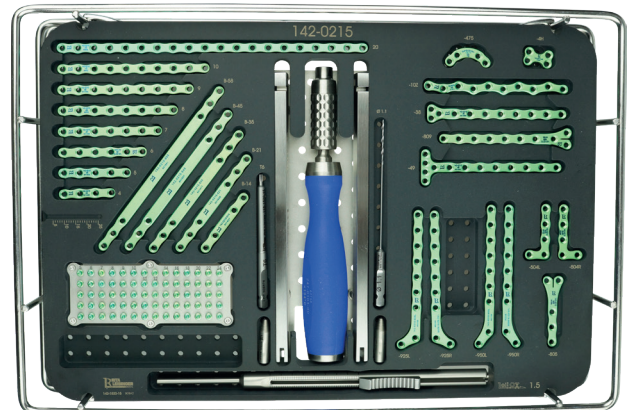


- Contains:**
 1x Implant Tray, without contents
 1x Locking Plate of each style "Challenger" (24 pcs. total)
 LEILOX142-1520-50 LeiLOX Titanium Challenger Locking 1.5/2.0 Set Implants Only

Tray only without contents:

LEILOX142-1520-60 LeiLOX Titanium 1.5/2mm Locking Implant Tray Only

1.5 Osteosynthesis Locking Set Titanium



- Contains:**
 1x Tray for implants & instruments, with lid
 1x Locking Plate of each style 1.5 mm (26 pcs. total)
 5x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
 1x Star Drive Screwdriver Shaft
 1x Screwdriver Handle
 2x Locking Drill Guides
 1x Depth Gauge
 1x Drill (AO, 1.1)
 1x pair of bending irons

LEILOX142-1500-00 LeiLOX Titanium Challenger Locking 1.5mm Complete Set

Tray only without contents:

LEILOX142-1500-10 LeiLOX Titanium Challenger Locking 1.5mm Tray Only

2.0 Osteosynthesis Locking Set Titanium



- Contains:**
 1x Tray for implants & instruments, with lid
 1x Locking Plate of each style 2.0mm (26 pcs. total)
 5x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
 1x Star Drive Screwdriver Shaft
 1x Screwdriver Handle
 2x Locking Drill Guides
 1x Depth Gauge
 1x Drill (AO, 1.5)
 1x pair of bending irons

LEILOX142-2000-00 LeiLOX Titanium Challenger Locking 2mm Complete Set

Tray only without contents:

LEILOX142-2000-10 LeiLOX Titanium Challenger Locking 2mm Tray Only

Sterilisation Container



For trays 310x190x130mm

- LEILOX150-5401-30 Sterile Container With Blue Lid 310x190x130mm
- LEILOX150-5402-30 Sterile Container With Green Lid 310x190x130mm

1.5 Locking Plate Titanium



5mm wide, 1.5mm thick

- LEILOX142-0215-04 LeiLOX Titanium 1.5mm Locking Plate 4 Hole 25.5mm
- LEILOX142-0215-05 LeiLOX Titanium 1.5mm Locking Plate 5 Hole 32.5mm
- LEILOX142-0215-06 LeiLOX Titanium 1.5mm Locking Plate 6 Hole 39.5mm
- LEILOX142-0215-07 LeiLOX Titanium 1.5mm Locking Plate 7 Hole 46.5mm
- LEILOX142-0215-08 LeiLOX Titanium 1.5mm Locking Plate 8 Hole 53.5mm
- LEILOX142-0215-09 LeiLOX Titanium 1.5mm Locking Plate 9 Hole 60.5mm
- LEILOX142-0215-10 LeiLOX Titanium 1.5mm Locking Plate 10 Hole 67.5mm
- LEILOX142-0215-20 LeiLOX Titanium 1.5mm Locking Plate 20 Hole Cuttable

1.5 Locking Plate With Bridge Titanium



5mm wide, 1.5mm thick

- LEILOX142-0215-614 LeiLOX Titanium Locking Plate With 14mm Bridge 32.5mm Long
- LEILOX142-0215-621 LeiLOX Titanium Locking Plate With 21mm Bridge 53.5mm Long
- LEILOX142-0215-635 LeiLOX Titanium Locking Plate With 35mm Bridge 67.5mm Long
- LEILOX142-0215-645 LeiLOX Titanium Locking Plate With 45mm Bridge 78mm Long
- LEILOX142-0215-658 LeiLOX Titanium Locking Plate With 58mm Bridge 95mm Long

1.5 Locking L-Plate Titanium



5mm/11.5mm wide, 1.5mm thick, 25.5mm long

- LEILOX142-0215-504L LeiLOX Titanium 1.5mm L-Locking Plate 25.5mm Left
- LEILOX142-0215-504R LeiLOX Titanium 1.5mm L-Locking Plate 25.5mm Right

1.5 Locking Y-Plate Titanium



5mm/11mm wide, 1.5mm thick

- LEILOX142-0215-805 LeiLOX Titanium 1.5mm Y-Locking Plate 5 Hole 33mm Long
- LEILOX142-0215-809 LeiLOX Titanium 1.5mm Y-Locking Plate 10 Hole Cuttable

1.5 Z-Locking Plate Titanium



6mm wide, 1.5mm thick, 10 hole, cuttable

- LEILOX142-0215-10Z LeiLOX Titanium 1.5mm Z-Locking Plate 10 Hole 67.5mm

1.5 Acetabulum Locking Plate Titanium



1.5mm thick, 4 hole

LEILOX142-0215-475

LeiLOX Titanium 1.5mm AC-Locking Plate

1.5 H-Locking Plate Titanium

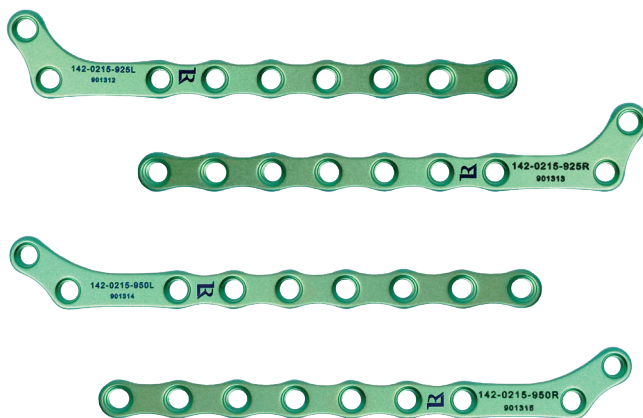


9mm wide, 1.5mm thick, 14mm long, 4 hole

LEILOX142-0215-4H

LeiLOX Titanium 1.5mm H-Locking Plate

1.5 MAYO DFO Locking Plate Titanium



5mm wide, 1.5mm thick, 9 hole

LEILOX142-0215-925L

LeiLOX Titanium 1.5mm DFO Locking Plate Cuttable 25° Left

LEILOX142-0215-925R

LeiLOX Titanium 1.5mm DFO Locking Plate Cuttable 25° Right

LEILOX142-0215-950L

LeiLOX Titanium 1.5mm DFO Locking Plate Cuttable 50° Left

LEILOX142-0215-950R

LeiLOX Titanium 1.5mm DFO Locking Plate Cuttable 50° Right

1.5 Arthrodesis Locking Plate Titanium

1.5mm thick

LEILOX142-0215-120L

LeiLOX Titanium 1.5mm Locking Arthrodesis Plate 120° Left

LEILOX142-0215-120R

LeiLOX Titanium 1.5mm Locking Arthrodesis Plate 120° Right

LEILOX142-0215-135L

LeiLOX Titanium 1.5mm Locking Arthrodesis Plate 135° Left

LEILOX142-0215-135R

LeiLOX Titanium 1.5mm Locking Arthrodesis Plate 135° Right

LEILOX142-0215-55

LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 55mm

LEILOX142-0215-60

LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 60mm

LEILOX142-0220-60

LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 60mm

LEILOX142-0220-68

LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 68mm

LeiLOX 1.5mm Locking Screws Titanium



For LeiLOX Locking System. Self-tapping. Requires Star Drive T6 insert

LEILOX245-415-05

LeiLOX Titanium 1.5mm Locking Screw 5mm

LEILOX245-415-06

LeiLOX Titanium 1.5mm Locking Screw 6mm

LEILOX245-415-07

LeiLOX Titanium 1.5mm Locking Screw 7mm

LEILOX245-415-08

LeiLOX Titanium 1.5mm Locking Screw 8mm

LEILOX245-415-09

LeiLOX Titanium 1.5mm Locking Screw 9mm

LEILOX245-415-10

LeiLOX Titanium 1.5mm Locking Screw 10mm

LEILOX245-415-11

LeiLOX Titanium 1.5mm Locking Screw 11mm

LEILOX245-415-12

LeiLOX Titanium 1.5mm Locking Screw 12mm

LEILOX245-415-14

LeiLOX Titanium 1.5mm Locking Screw 14mm

LEILOX245-415-16

LeiLOX Titanium 1.5mm Locking Screw 16mm

LEILOX245-415-18

LeiLOX Titanium 1.5mm Locking Screw 18mm

LEILOX245-415-20

LeiLOX Titanium 1.5mm Locking Screw 20mm

LEILOX245-415-22

LeiLOX Titanium 1.5mm Locking Screw 22mm

LEILOX245-415-24

LeiLOX Titanium 1.5mm Locking Screw 24mm

LEILOX245-415-26

LeiLOX Titanium 1.5mm Locking Screw 26mm

LEILOX128-1520-15

LeiLOX Screwdriver Shaft Star Drive T6 For 1.5mm Screws

LEILOX148-0180-11

LeiLOX 1.1mm Twist Drill Bit Round Shaft 85mm Long

LEILOX148-0181-11

LeiLOX 1.1mm AO QC Drill Bit 85mm Lon

2.0 Locking Plate Titanium



6mm wide, 1.5mm thick

LEILOXI42-0220-04	LeiLOX Titanium 2mm Locking Plate 4 Hole 33mm
LEILOXI42-0220-05	LeiLOX Titanium 2mm Locking Plate 5 Hole 42mm
LEILOXI42-0220-06	LeiLOX Titanium 2mm Locking Plate 6 Hole 51mm
LEILOXI42-0220-07	LeiLOX Titanium 2mm Locking Plate 7 Hole 60mm
LEILOXI42-0220-08	LeiLOX Titanium 2mm Locking Plate 8 Hole 69mm
LEILOXI42-0220-09	LeiLOX Titanium 2mm Locking Plate 9 Hole 78mm
LEILOXI42-0220-10	LeiLOX Titanium 2mm Locking Plate 10 Hole 87mm
LEILOXI42-0220-20	LeiLOX Titanium 2mm Locking Cuttable Plate 20 Hole

2.0 Locking Plate With Bridge Titanium



6mm wide, 1.5mm thick

LEILOXI42-0220-618	LeiLOX Titanium 2mm Locking Plate With 18mm Bridge 42mm Long
LEILOXI42-0220-627	LeiLOX Titanium 2mm Locking Plate With 27mm Bridge 69mm Long
LEILOXI42-0220-636	LeiLOX Titanium 2mm Locking Plate With 36mm Bridge 78mm Long
LEILOXI42-0220-648	LeiLOX Titanium 2mm Locking Plate With 48mm Bridge 90mm Long
LEILOXI42-0220-668	LeiLOX Titanium Locking Plate With 68mm Bridge 110mm Long

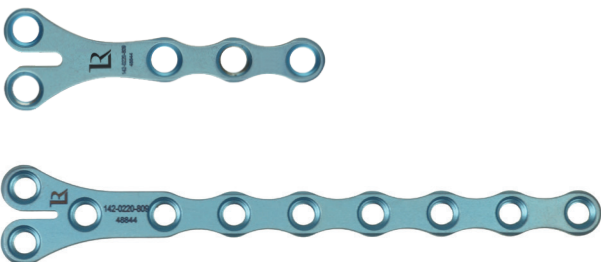
2.0 Locking L-Plate Titanium



6mm/15mm wide, 1.5mm thick, 33mm long

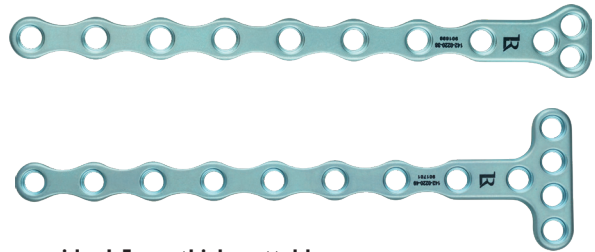
LEILOXI42-0220-504L	LeiLOX Titanium 2mm L-Locking Plate 33mm Left
LEILOXI42-0220-504R	LeiLOX Titanium 2mm L-Locking Plate 33mm Right

2.0 Locking Y-Plate Titanium



LEILOXI42-0220-805	LeiLOX Titanium 2mm Y-Locking Plate 5 Hole 42mm
LEILOXI42-0220-809	LeiLOX Titanium 2mm Y-Locking Plate 10 Hole Cuttable

2.0 T-Locking Plate Titanium



6mm wide, 1.5mm thick, cuttable

LEILOXI42-0220-38	LeiLOX Titanium 2mm Locking T-Plate 3 Holes Head 8 Shaft
LEILOXI42-0220-49	LeiLOX Titanium 2mm Locking T-Plate 4 Holes Head 9 Shaft

2.0 Z-Locking Plate Titanium



8mm wide, 1.5mm thick, 10 hole, cuttable

LEILOXI42-0220-10Z	LeiLOX Titanium 2mm Z-Locking Plate 10 Hole Cuttable
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2.0 H-Locking Plate Titanium



10.5mm wide, 1.5mm thick, 16mm long, 4 hole

LEILOXI42-0220-4H	LeiLOX Titanium 2mm H-Locking Plate
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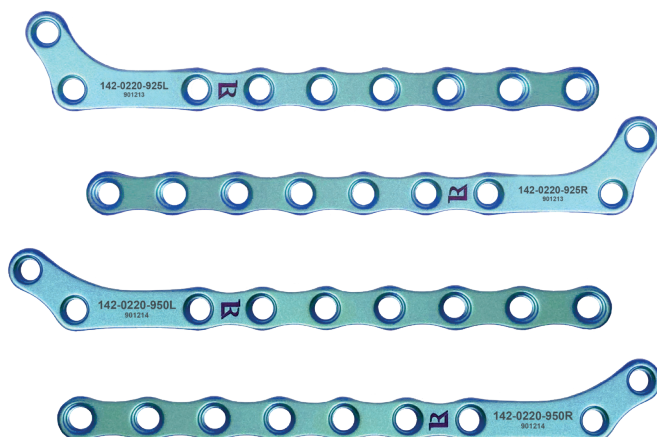
2.0 Acetabulum Locking Plate Titanium



1.5mm thick, 4 hole

LEILOXI42-0220-410	LeiLOX Titanium 2mm AC-Locking Plate
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2.0 MAYO DFO Locking Plate Titanium



5mm wide, 1.5mm thick, 9 hole

- LEILOX I 42-0220-925L LeiLOX Titanium 2mm DFO Locking Plate Cuttable 25° Left
- LEILOX I 42-0220-925R LeiLOX Titanium 2mm DFO Locking Plate Cuttable 25° Right
- LEILOX I 42-0220-950L LeiLOX Titanium 2mm DFO Locking Plate Cuttable 50° Left
- LEILOX I 42-0220-950R LeiLOX Titanium 2mm DFO Locking Plate Cuttable 50° Right

LeiLOX 2.0mm Locking Screws Titanium



For LeiLOX Locking System. Self-tapping. Requires Star Drive T8 insert

- LEILOX 245-420-05 LeiLOX Titanium 2mm Locking Screw 5mm
- LEILOX 245-420-06 LeiLOX Titanium 2mm Locking Screw 6mm
- LEILOX 245-420-07 LeiLOX Titanium 2mm Locking Screw 7mm
- LEILOX 245-420-08 LeiLOX Titanium 2mm Locking Screw 8mm
- LEILOX 245-420-09 LeiLOX Titanium 2mm Locking Screw 9mm
- LEILOX 245-420-10 LeiLOX Titanium 2mm Locking Screw 10mm
- LEILOX 245-420-11 LeiLOX Titanium 2mm Locking Screw 11mm
- LEILOX 245-420-12 LeiLOX Titanium 2mm Locking Screw 12mm
- LEILOX 245-420-14 LeiLOX Titanium 2mm Locking Screw 14mm
- LEILOX 245-420-16 LeiLOX Titanium 2mm Locking Screw 16mm
- LEILOX 245-420-18 LeiLOX Titanium 2mm Locking Screw 18mm
- LEILOX 245-420-20 LeiLOX Titanium 2mm Locking Screw 20mm
- LEILOX 245-420-22 LeiLOX Titanium 2mm Locking Screw 22mm
- LEILOX 245-420-24 LeiLOX Titanium 2mm Locking Screw 24mm
- LEILOX 245-420-26 LeiLOX Titanium 2mm Locking Screw 26mm
- LEILOX 245-420-28 LeiLOX Titanium 2mm Locking Screw 28mm
- LEILOX 245-420-30 LeiLOX Titanium 2mm Locking Screw 30mm

- LEILOX I 28-1520-20 LeiLOX Screwdriver Shaft Star Drive T8 For 2/2.4mm Screws
- LEILOX I 48-0180-15 LeiLOX 1.5mm Twist Drill Bit Round Shaft 127mm Long
- LEILOX I 48-0181-15 LeiLOX 1.5mm AO QC Drill Bit 110mm Long

Instrumentation

Screwdriver Handle



Silicone AO-Connection. Sterilizable upto 134

LEILOX247-0103-00

AO Fit Screwdriver Handle

Screwdriver Shaft Star-Drive



AO-Connection, self-holding

LEILOX128-1520-15

Screwdriver Shaft Star Drive T6 For 1.5mm Screws

LEILOX128-1520-20

Screwdriver Shaft Star Drive T8 For 2/2.4mm Screws

1.1/1.5mm Drills



LEILOX148-0180-11

1.1mm Twist Drill Bit Round Shaft 85mm Long

LEILOX148-0181-11

1.1mm AO QC Drill Bit 85mm Long

LEILOX148-0180-15

1.5mm Twist Drill Bit Round Shaft 127mm Long

LEILOX148-0181-15

1.5mm AO QC Drill Bit 110mm Long

Locking Drill Guide



20mm long

LEILOX164-0015-00

Locking Drill Guide F/1.5mm Screws 1.1mm Drill

LEILOX164-0020-00

Locking Drill Guide F/2mm Screws 1.5mm Drill

Depth Gauge



Scale up to 40mm, for 1.5/2.0mm screws

LEILOX164-1520-20

Depth Gauge For 1.5/2mm Screws

Bending Iron AO Type 1.5/2.0



130mm long

LEILOX128-0881-15

1.5/2mm Pair Of Bending Irons AO Type 130mm

Bone Plate Holding Forceps



125mm long, 45mm working end

LEILOX128-0538-13

Plate Holding Forceps 45mm Angled Tips 125mm Long

LEILOX128-0539-13

Plate Holding Forceps 45mm Straight Tips 125mm Long

Bone Plate Cutter



Double action for titanium plates max. 1.5mm

LEILOX23-5865-24T

Bone Plate Cutting Plier 240mm For 1.5mm Plates

Shaft Screws

4.5mm Shaft Screws for HIF



We offer a range of 4.5mm shaft screws specifically designed to be used as trans-condylar stabilising screws. Note that the 4.5mm shaft screws are significantly stronger than a standard 4.5mm cortical screw.

SHSC4532	Shaft Screw	32mm	
SHSC4534	Shaft Screw	34mm	
SHSC4536	Shaft Screw	36mm	
SHSC4538	Shaft Screw	38mm	
SHSC4540	Shaft Screw	40mm	
SHSC4542	Shaft Screw	42mm	
SHSC4544	Shaft Screw	44mm	
SHSC4534TI	Shaft Screw	34mm	Titanium
SHSC4536TI	Shaft Screw	36mm	Titanium

Please note that a tap is required for the shaft screws. It is also recommended that an insert sleeve is used to centre the pilot hole in the far condyle.

N45	4.5mm Cortical Nut Stainless Steel Non Sterile
CN45-A	4.5mm Cortical Nut UHMPWE - Sterile
COU4565QR	Quick Release Countersink For 4.5mm/6.5mm Screws AO Fit
COU4565T-A	T Bar Countersink For 4.5mm/6.5mm Screws
DRILLSTOP	Drill Stop Set In Stainless Case
SDH3500	3.5mm Hex Screwdriver For 4.5mm/5.5mm/6.5mm Screws
H090105S	3.2mm (Pilot) Drill Round Shank
S090105S	3.2mm (Pilot) Drill AO Quick Release
H090108S	4.5mm (Clearance) Drill Round Shank
S090108S	4.5mm (Clearance) Drill AO Quick Release
TS00045	4.5mm Cortical Tap Quick Release - Handle Required
ADJG45	Adjustable Drill Guide for 4.5mm Drills

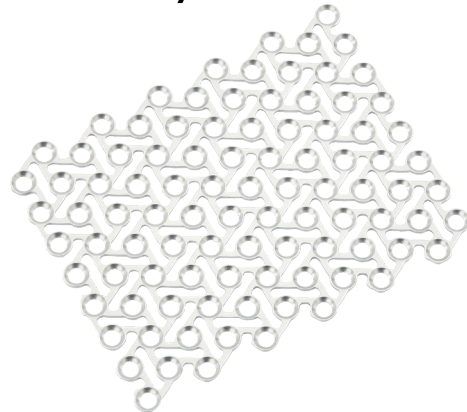
Condyle Clamp



001080 Condyle Clamp Stainless Steel

Titanium Mesh

Titanium Mesh System



Based on a human product, our Titanium Mesh is cuttable & is mouldable in three-dimensions, making it very adaptable & ideal for cranial fractures & in the management of fractures of other flat bones that are not load bearing.

The mesh has also been used to augment bone cement in joint replacement surgery.

The screws are tapered, making them self-drilling & self-tapping, however, a drill of 1mm diameter or less may be used to start the screws & may help reduce the chances of cracks forming if used close to the fracture lines.

The screws are made of titanium to avoid any problems arising from mixed metallurgy & feature a low profile cruciate head designed for use with the Cruciate Screwdriver with AO Quick Release fitting shown.

A 5mm or 7mm length appears to be the most useful for our species.

TIMESH405006	Titanium Mesh 40mm x 50mm 0.6mm Thick
TIMESH506006	Titanium Mesh 50mm x 60mm 0.6mm Thick
TIMESH607006	Titanium Mesh 60mm x 70mm 0.6mm Thick
TIMESHSCREW2005	Titanium Mesh Screws Tapered 2.0mm x 5.0mm Length Cruciate Head
TIMESHSCREW2007	Titanium Mesh Screws Tapered 2.0mm x 7.0mm Length Cruciate Head
TIMESHSDI	Screwdriver Insert for 2mm Cruciate Titanium Mesh Screws. AO Quick Release
TIMESHCUT	Titanium Mesh Cutters
TIMESHPLI	Titanium Mesh Contouring Pliers



**As the industry advances,
we are delighted to
partner with vPOP, who
deliver an innovative
digital pre-operative
planning application
direct to your fingertips.**

**With the latest upload
of over 150 plate profiles,
you can now select all
your favourite Vi products
when planning your next
Orthopaedic procedure.**

**To find out more visit
their website by scanning
the QR code below.**



Screws & Screwdrivers

With the recent advances in Orthopaedic techniques, our range of screws is now more comprehensive than ever before.

With the decline in use of the Sherman type self tapping screw, the AO/ASIF hex head cortical screw was the 'go to' for most procedures.

However recent advances in design & the technologies adopted, sees our range now including Cruciate Drive & Star Drive Cortical Screws, as well as locking screws & specialised titanium Screws for certain procedures.

With such a wide range of screws now available, our range of Screwdrivers also reflects that. For many screws in the range, there is a choice between a fixed-shaft screwdriver & a quick-release handle & separate screwdriver shafts.

Components are available for surgeons to mix & match to their own requirements.

The following process map is designed to help you easily determine what screwdriver is required, according to the implants being used.

Starting on the left of the relevant process map & work across to the right. If there is more than one option in the right hand column, this indicates the choice between a fixed-shaft or quick-release version. In some instances there are two choices of quick release handle, due to recent product development improvements.

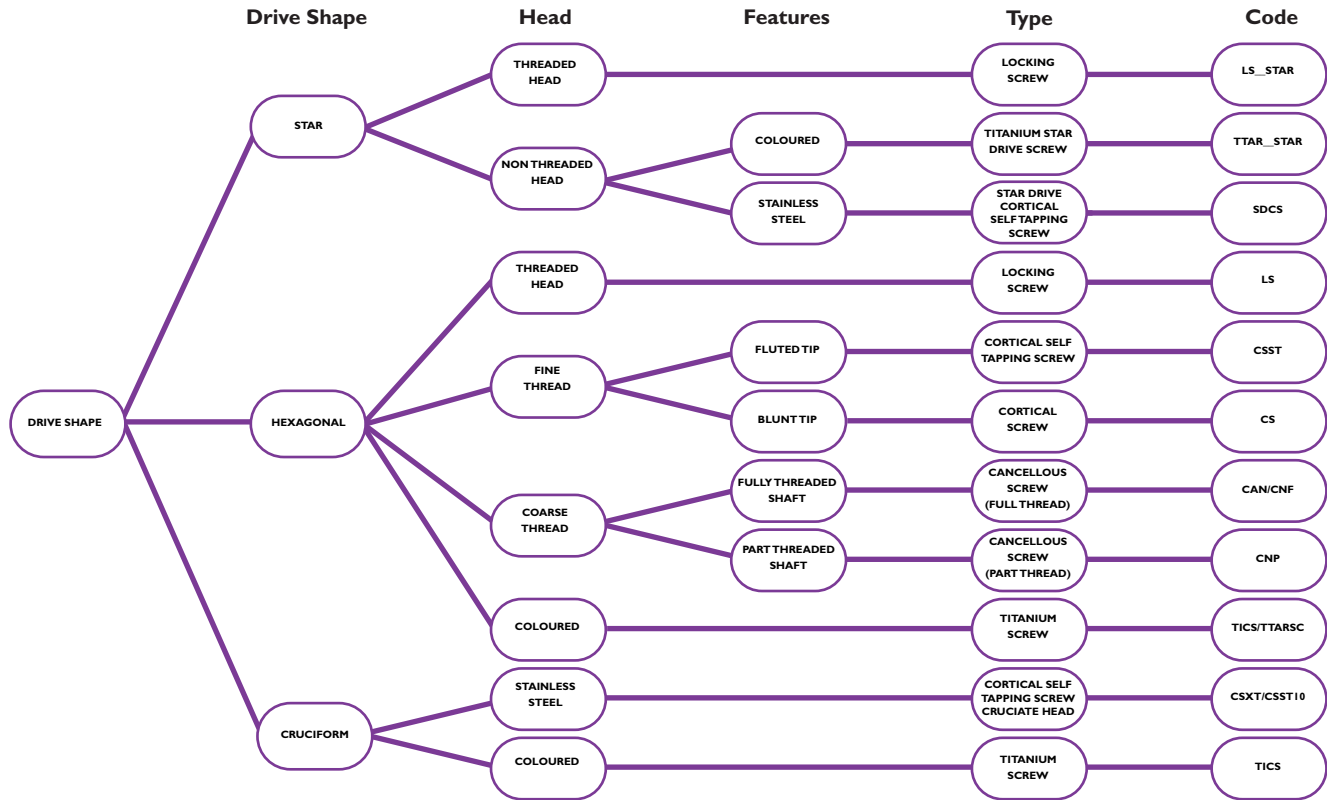
Please speak to our team of Technical Support Specialists who will be able to advise further on your options if you are unsure on what screwdriver you need.



Screw Identification Tree

Use this decision tree tool to help you identify different type of screw. Start on the left & work your way across.

The code prefixes relate to the type of screw e.g. CSST = cortical screw self tapping, LS = locking screw, CAN = cancellous & so on.



Screw Identification - Type & Size Chart

Once you have used the decision tree to help you identify type, next measure the screw (length & width).

Use this chart to help confirm your identification - where there is a dot in the chart, the corresponding size/type exists.

	1.0mm	1.5mm	2.0mm	2.2mm	2.4mm	2.7mm	3.0mm	3.5mm	4.0mm	4.5mm	5.5mm	6.5mm
CS		●	●			●		●		●	●	
CSST	●	●	●		●	●		●		●		
CSXT		●	●		●							
SDCS		●	●		●	●						
LS								●				
LS-STAR		●	●		●	●		●				
TICS					●	●		●		●		
TTARSC			●		●							
TTAR-STAR		●	●									
CAN				●			●	●				
CNF									●			●
CNP									●			

Vi Screw Types, Drive Shape, Sizes & Ordering Codes For Cortical & Cortical Self Tapping Screws

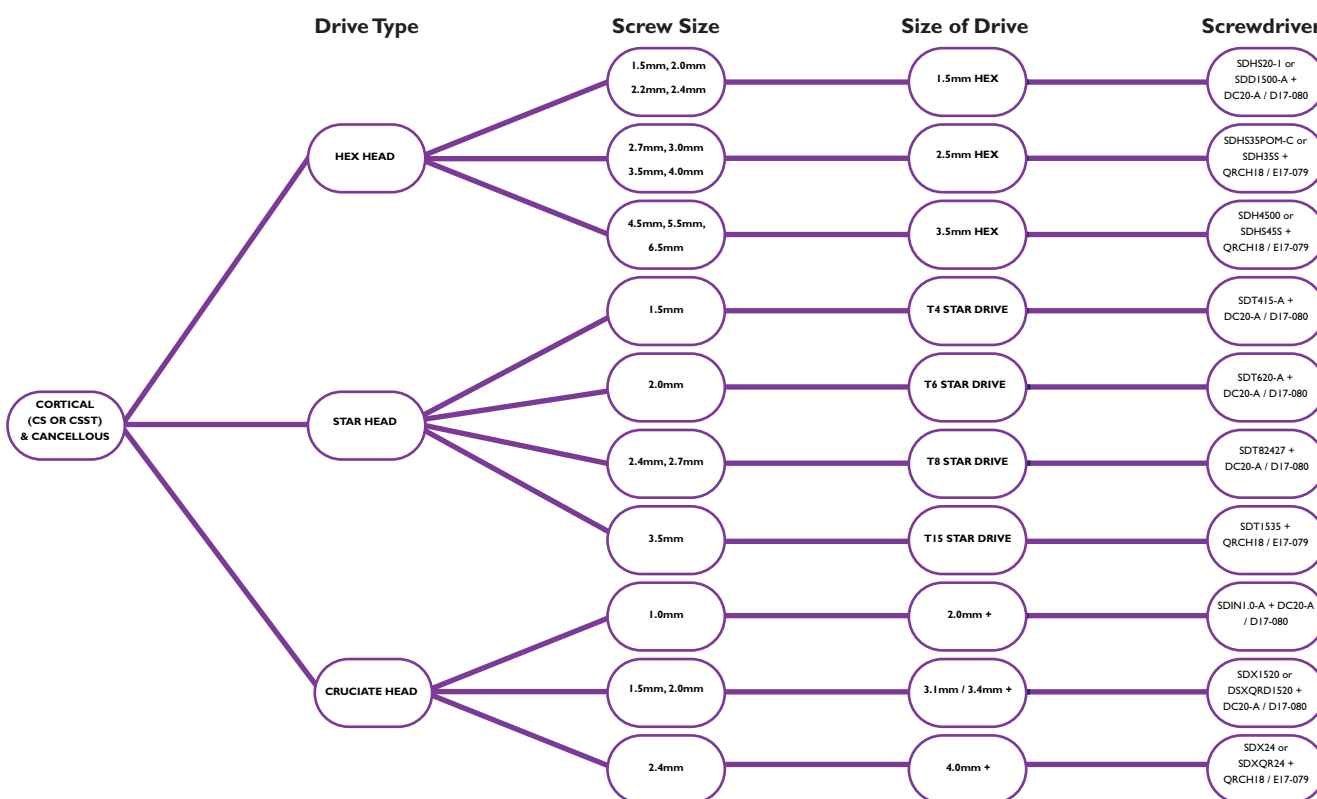
Once you have used the decision tree & the type/size chart, then refer to this table to confirm your identification & find out the product code (the last two digits of a code, indicated by **, refer to the length of the screw).

Screw Type	Drive Shape	Diameter	Vi Ordering Code
Cortical Non Self Tapping	Hexagonal	1.5mm	CS15**
		2.0mm	CS20**
		2.7mm	CS27**
		3.5mm	CS35**
		4.5mm	CS45**
Cortical Self Tapping	Hexagonal	1.5mm	CSST15**
		2.0mm	CSST20**
		2.4mm	CSST24**
		2.7mm	CSST27**
		3.5mm	CSST35**
Cortical Self Tapping	Star Drive	1.5mm	SDCS15**
		2.0mm	SDCS20**
		2.4mm	SDCS24**
		2.7mm	SDCS27**
		3.5mm	SDCS35**
Cortical Self Tapping	Cruciform	1.0mm	CSST10** for 1.0mm
		1.5mm	CSXT15**
		2.0mm	CSXT20**
		2.4mm	CSXT24**

Screwdriver Decision Tree For Cortical, Cortical Self-Tapping & Cancellous Screws Identification Tree

Once you have identified the type & size of screw, use this decision tree to determine the correct screwdriver.

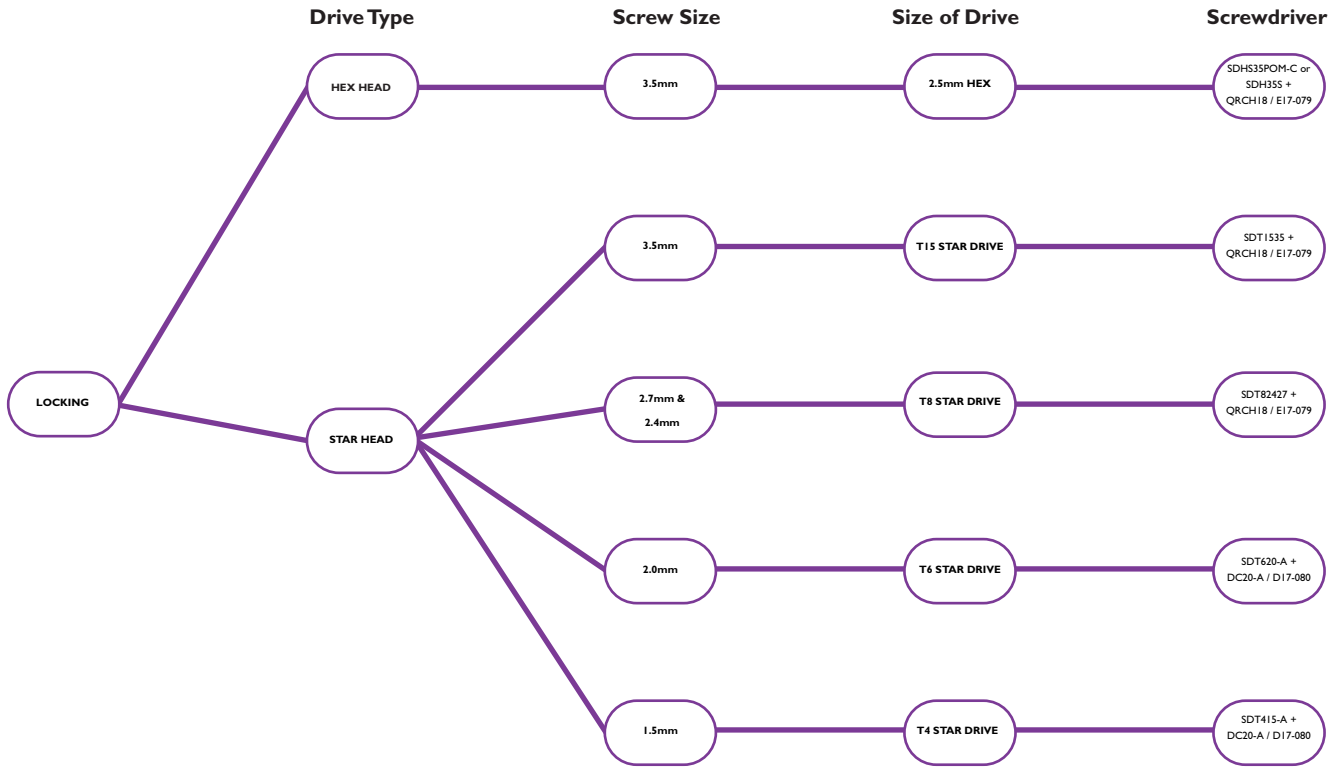
Where there are 2 options in the far right column, this is a fixed shaft screwdriver OR a quick release handle + separate screwdriver shaft (there may be 2 possible codes for the quick release handle).



Screwdriver Decision Tree For Locking Screws

Once you have identified the type & size of screw, use this decision tree to determine the correct screwdriver.

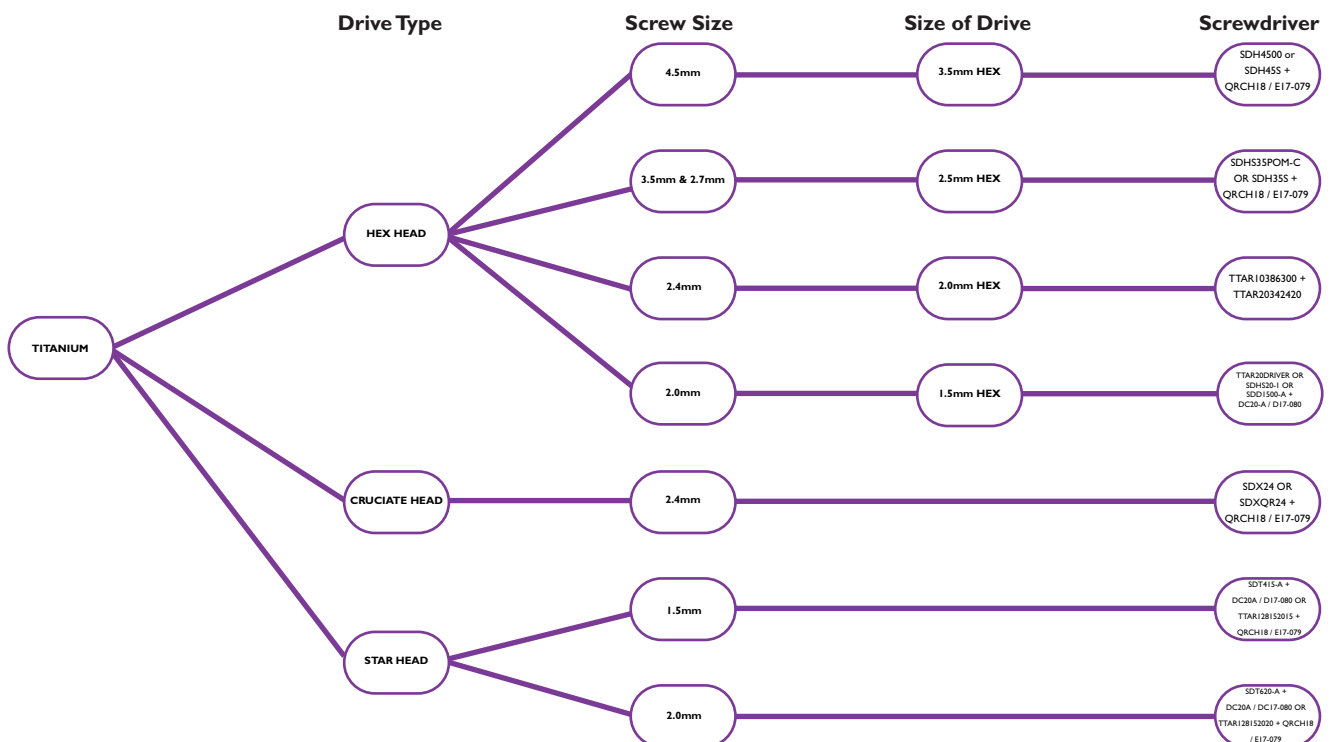
Where there are 2 options in the far right column, this is a fixed shaft screwdriver OR a quick release handle + separate screwdriver shaft (there may be 2 possible codes for the quick release handle).



Screwdriver Decision Tree For Titanium Screws

Once you have identified the type & size of screw, use this decision tree to determine the correct screwdriver.

Where there are 2 options in the far right column, this is a fixed shaft screwdriver OR a quick release handle + separate screwdriver shaft (there may be 2 possible codes for the quick release handle).



Drills & Equipment For Locking Screws

	Locking Star Drive (1.5mm)	Locking Star Drive (2.0mm)	Locking Star Drive (2.4mm)	Locking Star Drive (2.7mm)	Locking Star Drive (3.5mm)	Locking Hex Head (3.5mm)
Pilot Drill	1.1mm	1.5mm	1.8mm	2.0mm	2.8mm	2.8mm
Round Shank	H090100	H090101	H090208	H090102	H090103	H090103
AO Quick Fit	S090100S	S090101S	S090208	S090102S	S090103S	S090103S
Tap						
AO Quick Release	TSL515-A (Dental fit)	TSL520-A (Dental fit)	TSL524	TSL527	TSL535	TSL535
Screwdriver Type	T4 Star	T6 Star	T8 Star	T8 Star	T15 Star	2.5 Hex
Star Head	SDT415-A + DC20-A / D17-080	SDT620-A + DC20-A / D17-080	SDT82427 + QRCH18 / E17-079	SDT82427 + QRCH18 / E17-079	SDT1535 + QRCH18 / E17-079	
Hex Head	N/A	N/A	N/A	N/A		SDHS35POM-C or SDH35S + QRCH18 / E17-079

Drills & Equipment For Cortical Self Tapping Screws

	Cortical Self Tapping (1.0mm)	Cortical Self Tapping (1.5mm)	Cortical Self Tapping (2.0mm)	Cortical Self Tapping (2.4mm)	Cortical Self Tapping (2.7mm)	Cortical Self Tapping (3.5mm)	Cortical Self Tapping (4.5mm)
Pilot Drill	0.7mm	1.1mm	1.5mm	1.8mm	2.0mm	2.5mm	3.2mm
Round Shank	N/A	H090100	H090101	H090208	H090102	H090112	H090105S
AO Quick Fit	10MDB07-A (Dental Fit)	S090100S	S090101S	S090208	S090102S	S090112S	S090105S
Clearance Drill	1.0mm	1.5mm	2.0mm	2.4mm	2.7mm	3.5mm	4.5mm
Round Shank	N/A	H090101	H090102	H090209	H090104	H090106S	H090108S
AO Quick Fit	10MDB10-A (Dental Fit)	S090101S	S090102S	S090209	S090104S	S090106S	S090108S
Screwdriver Type		1.5 Hex	1.5 Hex	1.5 Hex	2.5 Hex	2.5 Hex	3.5 Hex
	Cruciate	1.5 Cruciate	1.5 Cruciate	1.5 Cruciate			
Star Drive	N/A	SDT415-A + DC20-A / D17-080	SDT620-A + DC20-A / D17-080	SDT82427 + QRCH18 / E17-079	SDT82427 + QRCH18 / E17-079	SDT1535 + QRCH18 / E17-079	N/A
Hex Head	N/A	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDH4500 or SDH45S + QRCH18 / E17-079
Cruciate Head	SDN10-A + DC20-A / D17-080	SDX1520 or SDXQRD1520 + DC20-A / D17-080	SDX1520 or SDXQRD1520 + DC20-A / D17-080	SDX24 or SDXQR24 + QRCH18 / E17-079	N/A	N/A	N/A

Drills & Equipment For Cortical Non Self Tapping Screws

	Cortical Non Self Tapping (1.5mm)	Cortical Non Self Tapping (2.0mm)	Cortical Non Self Tapping (2.7mm)	Cortical Non Self Tapping (3.5mm)	Cortical Non Self Tapping (4.5mm)	Cortical Non Self Tapping (5.5mm)
Pilot Drill	1.1mm	1.5mm	2.0mm	2.5mm	3.2mm	4.0mm
Round Shank	H090100	H090101	H090102	H090112	H090205S	H090107
AO Quick Fit	S090100S	S090101S	S090102S	S090112S	S090105S	S090107
Tap						
AO Quick Fit	TD0015	TD0020	TS0027	TS12535	TS00045	TS00055
T' Bar	TBT015	TBT020	TBT027	TBT12535	N/A	N/A
Clearance Drill	1.5mm	2.0mm	2.7mm	3.5mm	4.5mm	5.5mm
Round Shank	H090101	H090102	H090104	H090106S	H090108S	H090109
AO Quick Fit	S090101S	S090102S	S090104S	S090106S	S090108S	S090109
Screwdriver Type	1.5 Hex	1.5 Hex	2.5 Hex	2.5 Hex	3.5 Hex	3.5 Hex
Hex Head	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDH4500 or SDHS45S + QRCH18 / E17-079	SDH4500 or SDHS45S + QRCH18 / E17-079
Cruciate Head	N/A	N/A	N/A	N/A	N/A	N/A

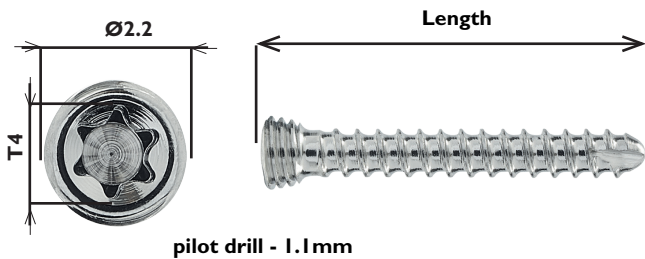
Drills & Equipment For Cancellous Screws

	Small Cancellous (2.2mm)	Small Cancellous (3.0mm)	Small Cancellous (3.5mm)	Cancellous (4.0mm)	Cancellous (6.5mm)
Pilot Drill	1.5mm	2.0mm	2.0mm	2.5mm	3.2mm
Round Shank	H090101	H090102	H090102	H090112	H090105S
AO Quick Fit	S090101S	S090102S	S090102S	S090112S	S090105S
Tap					
AO Quick Fit	N/A	N/A	TS17535	TS17535	TS00065
T' Bar	N/A	N/A	TBT17535	TBT17535	TBT065
Clearance Drill	2.0mm	3.0mm	3.5mm	4.0mm	6.5mm
Round Shank	H090102	H090205	H090106S	H090107	N/A
AO Quick Fit	S090102S	N/A	S090106S	S090107	N/A
Screwdriver Type	1.5 Hex	2.5 Hex	2.5 Hex	2.5 Hex	3.5 Hex
Hex Head	SDHS20-1 or SDD1500-A + DC20-A / D17-080	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDHS35POM-C or SDH35S + QRCH18 / E17-079	SDH4500 or SDHS45S + QRCH18 / E17-079
Cruciate Head	N/A	N/A	N/A	N/A	N/A

Locking Screws

1.5mm Locking Screws

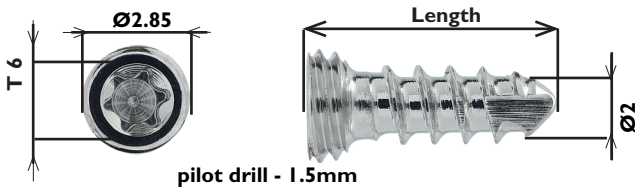
Star Drive



- LS15STAR06** Locking Star Screw 1.5mm 6mm Long
- LS15STAR07** Locking Star Screw 1.5mm 7mm Long
- LS15STAR08** Locking Star Screw 1.5mm 8mm Long
- LS15STAR09** Locking Star Screw 1.5mm 9mm Long
- LS15STAR10** Locking Star Screw 1.5mm 10mm Long
- LS15STAR11** Locking Star Screw 1.5mm 11mm Long
- LS15STAR12** Locking Star Screw 1.5mm 12mm Long
- LS15STAR14** Locking Star Screw 1.5mm 14mm Long
- LS15STAR16** Locking Star Screw 1.5mm 16mm Long
- LS15STAR18** Locking Star Screw 1.5mm 18mm Long
- LS15STAR20** Locking Star Screw 1.5mm 20mm Long
- LS15STAR22** Locking Star Screw 1.5mm 22mm Long
- LS15STAR24** Locking Star Screw 1.5mm 24mm Long

2.0mm Locking Screws

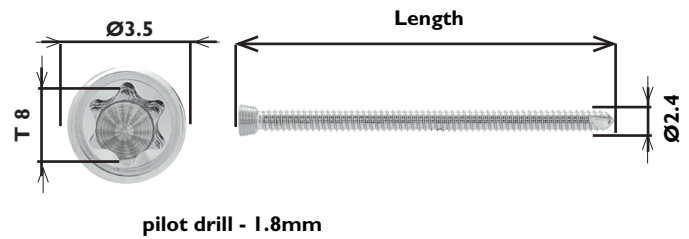
Star Drive



- LS20STAR06** Locking 2.0mm Screw Star Drive 6mm
- LS20STAR07** Locking 2.0mm Screw Star Drive 7mm
- LS20STAR08** Locking 2.0mm Screw Star Drive 8mm
- LS20STAR10** Locking 2.0mm Screw Star Drive 10mm
- LS20STAR12** Locking 2.0mm Screw Star Drive 12mm
- LS20STAR14** Locking 2.0mm Screw Star Drive 14mm
- LS20STAR16** Locking 2.0mm Screw Star Drive 16mm
- LS20STAR18** Locking 2.0mm Screw Star Drive 18mm
- LS20STAR20** Locking 2.0mm Screw Star Drive 20mm
- LS20STAR22** Locking 2.0mm Screw Star Drive 22mm
- LS20STAR24** Locking 2.0mm Screw Star Drive 24mm
- LS20STAR26** Locking 2.0mm Screw Star Drive 26mm
- LS20STAR28** Locking 2.0mm Screw Star Drive 28mm
- LS20STAR30** Locking 2.0mm Screw Star Drive 30mm

2.4mm Locking Screws

Star Drive

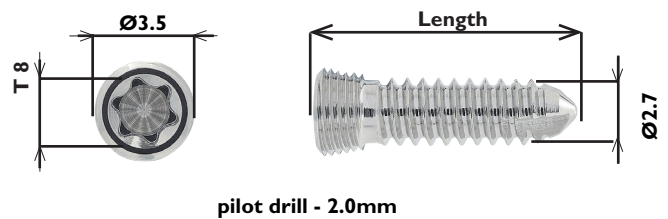


The 2.4 Locking Screw has the same head dimensions as the 2.7mm Locking Screw (LS2724** series) & may therefore be used in both 2.4 Locking Plates & 2.7 Locking Plates.

- LS2424STAR06** Locking 2.4mm Screw Star Drive 6mm
- LS2424STAR08** Locking 2.4mm Screw Star Drive 8mm
- LS2424STAR10** Locking 2.4mm Screw Star Drive 10mm
- LS2424STAR12** Locking 2.4mm Screw Star Drive 12mm
- LS2424STAR14** Locking 2.4mm Screw Star Drive 14mm
- LS2424STAR16** Locking 2.4mm Screw Star Drive 16mm
- LS2424STAR18** Locking 2.4mm Screw Star Drive 18mm
- LS2424STAR20** Locking 2.4mm Screw Star Drive 20mm
- LS2424STAR22** Locking 2.4mm Screw Star Drive 22mm
- LS2424STAR24** Locking 2.4mm Screw Star Drive 24mm
- LS2424STAR26** Locking 2.4mm Screw Star Drive 26mm
- LS2424STAR28** Locking 2.4mm Screw Star Drive 28mm
- LS2424STAR30** Locking 2.4mm Screw Star Drive 30mm
- LS2424STAR32** Locking 2.4mm Screw Star Drive 32mm
- LS2424STAR34** Locking 2.4mm Screw Star Drive 34mm
- LS2424STAR36** Locking 2.4mm Screw Star Drive 36mm
- LS2424STAR38** Locking 2.4mm Screw Star Drive 38mm
- LS2424STAR40** Locking 2.4mm Screw Star Drive 40mm

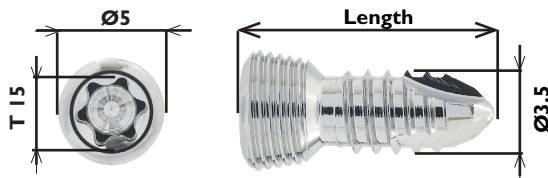
2.7mm Locking Screws

Star Drive



- LS2724STAR06** Locking 2.7mm Screw (2.4 Head) Star Drive 6mm
- LS2724STAR08** Locking 2.7mm Screw (2.4 Head) Star Drive 8mm
- LS2724STAR10** Locking 2.7mm Screw (2.4 Head) Star Drive 10mm
- LS2724STAR12** Locking 2.7mm Screw (2.4 Head) Star Drive 12mm
- LS2724STAR14** Locking 2.7mm Screw (2.4 Head) Star Drive 14mm
- LS2724STAR16** Locking 2.7mm Screw (2.4 Head) Star Drive 16mm
- LS2724STAR18** Locking 2.7mm Screw (2.4 Head) Star Drive 18mm
- LS2724STAR20** Locking 2.7mm Screw (2.4 Head) Star Drive 20mm
- LS2724STAR22** Locking 2.7mm Screw (2.4 Head) Star Drive 22mm
- LS2724STAR24** Locking 2.7mm Screw (2.4 Head) Star Drive 24mm
- LS2724STAR26** Locking 2.7mm Screw (2.4 Head) Star Drive 26mm
- LS2724STAR28** Locking 2.7mm Screw (2.4 Head) Star Drive 28mm
- LS2724STAR30** Locking 2.7mm Screw (2.4 Head) Star Drive 30mm
- LS2724STAR32** Locking 2.7mm Screw (2.4 Head) Star Drive 32mm
- LS2724STAR34** Locking 2.7mm Screw (2.4 Head) Star Drive 34mm
- LS2724STAR36** Locking 2.7mm Screw (2.4 Head) Star Drive 36mm
- LS2724STAR38** Locking 2.7mm Screw (2.4 Head) Star Drive 38mm
- LS2724STAR40** Locking 2.7mm Screw (2.4 Head) Star Drive 40mm

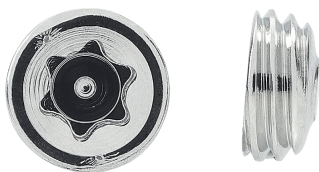
3.5mm Locking Screws Star Drive



pilot drill - 2.8mm

LS35STAR10	Locking 3.5mm Screw Star Drive 10mm
LS35STAR12	Locking 3.5mm Screw Star Drive 12mm
LS35STAR14	Locking 3.5mm Screw Star Drive 14mm
LS35STAR16	Locking 3.5mm Screw Star Drive 16mm
LS35STAR18	Locking 3.5mm Screw Star Drive 18mm
LS35STAR20	Locking 3.5mm Screw Star Drive 20mm
LS35STAR22	Locking 3.5mm Screw Star Drive 22mm
LS35STAR24	Locking 3.5mm Screw Star Drive 24mm
LS35STAR26	Locking 3.5mm Screw Star Drive 26mm
LS35STAR28	Locking 3.5mm Screw Star Drive 28mm
LS35STAR30	Locking 3.5mm Screw Star Drive 30mm
LS35STAR32	Locking 3.5mm Screw Star Drive 32mm
LS35STAR34	Locking 3.5mm Screw Star Drive 34mm
LS35STAR36	Locking 3.5mm Screw Star Drive 36mm
LS35STAR38	Locking 3.5mm Screw Star Drive 38mm
LS35STAR40	Locking 3.5mm Screw Star Drive 40mm
LS35STAR42	Locking 3.5mm Screw Star Drive 42mm
LS35STAR44	Locking 3.5mm Screw Star Drive 44mm
LS35STAR45	Locking 3.5mm Screw Star Drive 45mm
LS35STAR46	Locking 3.5mm Screw Star Drive 46mm
LS35STAR48	Locking 3.5mm Screw Star Drive 48mm
LS35STAR50	Locking 3.5mm Screw Star Drive 50mm
LS35STAR52	Locking 3.5mm Screw Star Drive 52mm
LS35STAR54	Locking 3.5mm Screw Star Drive 54mm
LS35STAR56	Locking 3.5mm Screw Star Drive 56mm
LS35STAR58	Locking 3.5mm Screw Star Drive 58mm
LS35STAR60	Locking 3.5mm Screw Star Drive 60mm

Locking Plugs



Use to protect locking holes during contouring.

LSP15STAR	Locking Plug For LS15STAR** Screws
LSP20STAR	Locking Plug For LS20STAR** Screws
LSP24STAR	Locking Plug For LS2724STAR**&LS2424STAR** Screws
LSP35STAR	Locking Plug For LS35STAR** Screws
LSP35	Locking Plug For LS35** Screws

3.5mm Locking Screws Hex Drive

LS3510	Locking 3.5mm Screw Hex Drive 10mm
LS3512	Locking 3.5mm Screw Hex Drive 12mm
LS3514	Locking 3.5mm Screw Hex Drive 14mm
LS3516	Locking 3.5mm Screw Hex Drive 16mm
LS3518	Locking 3.5mm Screw Hex Drive 18mm
LS3520	Locking 3.5mm Screw Hex Drive 20mm
LS3522	Locking 3.5mm Screw Hex Drive 22mm
LS3524	Locking 3.5mm Screw Hex Drive 24mm
LS3526	Locking 3.5mm Screw Hex Drive 26mm
LS3528	Locking 3.5mm Screw Hex Drive 28mm
LS3530	Locking 3.5mm Screw Hex Drive 30mm
LS3532	Locking 3.5mm Screw Hex Drive 32mm
LS3534	Locking 3.5mm Screw Hex Drive 34mm
LS3536	Locking 3.5mm Screw Hex Drive 36mm
LS3538	Locking 3.5mm Screw Hex Drive 38mm
LS3540	Locking 3.5mm Screw Hex Drive 40mm
LS3542	Locking 3.5mm Screw Hex Drive 42mm
LS3544	Locking 3.5mm Screw Hex Drive 44mm
LS3545	Locking 3.5mm Screw Hex Drive 45mm
LS3546	Locking 3.5mm Screw Hex Drive 46mm
LS3548	Locking 3.5mm Screw Hex Drive 48mm
LS3550	Locking 3.5mm Screw Hex Drive 50mm
LS3552	Locking 3.5mm Screw Hex Drive 52mm
LS3554	Locking 3.5mm Screw Hex Drive 54mm
LS3555	Locking 3.5mm Screw Hex Drive 55mm
LS3556	Locking 3.5mm Screw Hex Drive 56mm
LS3558	Locking 3.5mm Screw Hex Drive 58mm
LS3560	Locking 3.5mm Screw Hex Drive 60mm

Locking Screw Sets



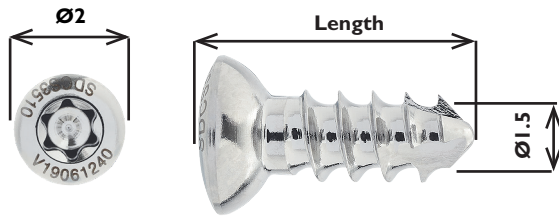
Star Drive Locking Screw Sets in Modular Plating Box Screw Caddy.

LS15STARKITMPB	1.5 Star Drive Locking Screw Set
LS20STARKITMPB	2.0 Star Drive Locking Screw Set
LS24STARKITMPB	2.4 Star Drive Locking Screw Set
LS27STARKITMPB	2.7 Star Drive Locking Screw Set
LS35STARKITMPB	3.5 Star Drive Locking Screw Set

1.5mm Screws

1.5mm Cortical Self Tapping Screws

Star Drive

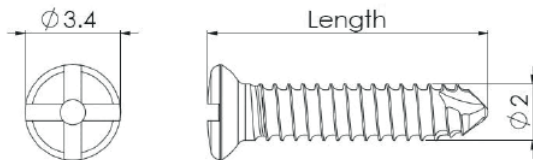


pilot drill - 1.1mm

- SDCSI506** Cortical Screw Star Drive 1.5mm Length 06mm Self-Tap
- SDCSI507** Cortical Screw Star Drive 1.5mm Length 07mm Self-Tap
- SDCSI508** Cortical Screw Star Drive 1.5mm Length 08mm Self-Tap
- SDCSI509** Cortical Screw Star Drive 1.5mm Length 06mm Self-Tap
- SDCSI510** Cortical Screw Star Drive 1.5mm Length 10mm Self-Tap
- SDCSI511** Cortical Screw Star Drive 1.5mm Length 11mm Self-Tap
- SDCSI512** Cortical Screw Star Drive 1.5mm Length 12mm Self-Tap
- SDCSI514** Cortical Screw Star Drive 1.5mm Length 14mm Self-Tap
- SDCSI516** Cortical Screw Star Drive 1.5mm Length 16mm Self-Tap
- SDCSI518** Cortical Screw Star Drive 1.5mm Length 18mm Self-Tap
- SDCSI520** Cortical Screw Star Drive 1.5mm Length 20mm Self-Tap
- SDCSI522** Cortical Screw Star Drive 1.5mm Length 22mm Self-Tap
- SDCSI524** Cortical Screw Star Drive 1.5mm Length 24mm Self-Tap

1.5mm Cortical Self Tapping Screws

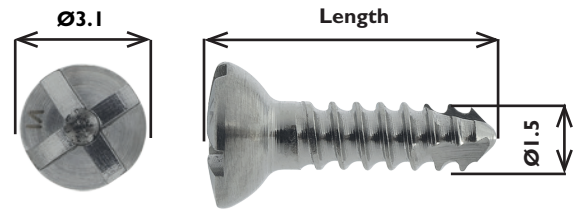
Hex Drive



- CSST1506** 1.5mm Cortical Self Tapping Screw 6mm
- CSST1507** 1.5mm Cortical Self Tapping Screw 7mm
- CSST1508** 1.5mm Cortical Self Tapping Screw 8mm
- CSST1509** 1.5mm Cortical Self Tapping Screw 9mm
- CSST1510** 1.5mm Cortical Self Tapping Screw 10mm
- CSST1511** 1.5mm Cortical Self Tapping Screw 11mm
- CSST1512** 1.5mm Cortical Self Tapping Screw 12mm
- CSST1514** 1.5mm Cortical Self Tapping Screw 14mm
- CSST1516** 1.5mm Cortical Self Tapping Screw 16mm
- CSST1518** 1.5mm Cortical Self Tapping Screw 18mm
- CSST1520** 1.5mm Cortical Self Tapping Screw 20mm
- CSST1522** 1.5mm Cortical Self Tapping Screw 22mm
- CSST1524** 1.5mm Cortical Self Tapping Screw 24mm

1.5mm Cortical Self Tapping Screws

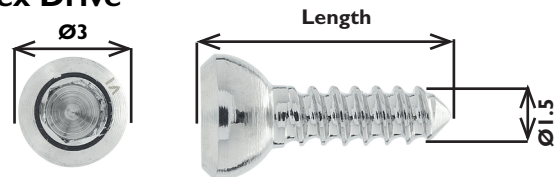
Cruciate Drive



- CSXT1506** 1.5mm Cortical Self Tapping Screw 6mm Cruciate Head
- CSXT1507** 1.5mm Cortical Self Tapping Screw 7mm Cruciate Head
- CSXT1508** 1.5mm Cortical Self Tapping Screw 8mm Cruciate Head
- CSXT1509** 1.5mm Cortical Self Tapping Screw 9mm Cruciate Head
- CSXT1510** 1.5mm Cortical Self Tapping Screw 10mm Cruciate Head
- CSXT1511** 1.5mm Cortical Self Tapping Screw 11mm Cruciate Head
- CSXT1512** 1.5mm Cortical Self Tapping Screw 12mm Cruciate Head
- CSXT1514** 1.5mm Cortical Self Tapping Screw 14mm Cruciate Head
- CSXT1516** 1.5mm Cortical Self Tapping Screw 16mm Cruciate Head
- CSXT1518** 1.5mm Cortical Self Tapping Screw 18mm Cruciate Head
- CSXT1520** 1.5mm Cortical Self Tapping Screw 20mm Cruciate Head
- CSXT1522** 1.5mm Cortical Self Tapping Screw 22mm Cruciate Head
- CSXT1524** 1.5mm Cortical Self Tapping Screw 24mm Cruciate Head

1.5mm Cortical Screws

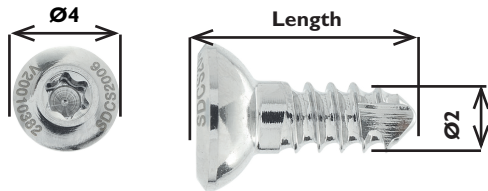
Hex Drive



- CSI506** 1.5mm Cortical Self Tapping Screw 6mm
- CSI507** 1.5mm Cortical Self Tapping Screw 7mm
- CSI508** 1.5mm Cortical Self Tapping Screw 8mm
- CSI509** 1.5mm Cortical Self Tapping Screw 9mm
- CSI510** 1.5mm Cortical Self Tapping Screw 10mm
- CSI511** 1.5mm Cortical Self Tapping Screw 11mm
- CSI512** 1.5mm Cortical Self Tapping Screw 12mm
- CSI514** 1.5mm Cortical Self Tapping Screw 14mm
- CSI516** 1.5mm Cortical Self Tapping Screw 16mm
- CSI518** 1.5mm Cortical Self Tapping Screw 18mm
- CSI520** 1.5mm Cortical Self Tapping Screw 20mm
- CSI522** 1.5mm Cortical Self Tapping Screw 22mm
- CSI524** 1.5mm Cortical Self Tapping Screw 24mm
- CSI526** 1.5mm Cortical Self Tapping Screw 26mm
- CSI528** 1.5mm Cortical Self Tapping Screw 28mm
- CSI530** 1.5mm Cortical Self Tapping Screw 30mm
- CSI532** 1.5mm Cortical Self Tapping Screw 32mm
- CSI534** 1.5mm Cortical Self Tapping Screw 34mm

2.0mm Screws

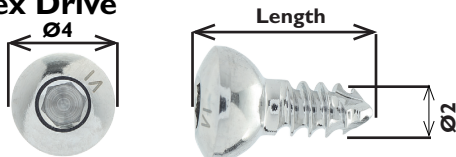
2.0mm Cortical Self Tapping Screws Star Drive



pilot drill - 1.5mm

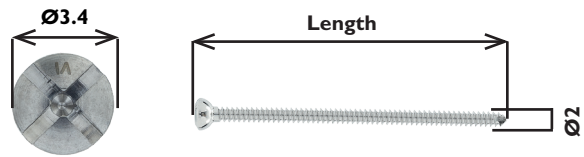
- SDCS2006** Cortical Screw Star Drive 2.0mm Length 06mm Self-Tap
- SDCS2007** Cortical Screw Star Drive 2.0mm Length 07mm Self-Tap
- SDCS2008** Cortical Screw Star Drive 2.0mm Length 08mm Self-Tap
- SDCS2009** Cortical Screw Star Drive 2.0mm Length 09mm Self-Tap
- SDCS2010** Cortical Screw Star Drive 2.0mm Length 10mm Self-Tap
- SDCS2011** Cortical Screw Star Drive 2.0mm Length 11mm Self-Tap
- SDCS2012** Cortical Screw Star Drive 2.0mm Length 12mm Self-Tap
- SDCS2014** Cortical Screw Star Drive 2.0mm Length 14mm Self-Tap
- SDCS2016** Cortical Screw Star Drive 2.0mm Length 16mm Self-Tap
- SDCS2018** Cortical Screw Star Drive 2.0mm Length 18mm Self-Tap
- SDCS2020** Cortical Screw Star Drive 2.0mm Length 20mm Self-Tap
- SDCS2022** Cortical Screw Star Drive 2.0mm Length 22mm Self-Tap
- SDCS2024** Cortical Screw Star Drive 2.0mm Length 24mm Self-Tap
- SDCS2026** Cortical Screw Star Drive 2.0mm Length 26mm Self-Tap
- SDCS2028** Cortical Screw Star Drive 2.0mm Length 28mm Self-Tap
- SDCS2030** Cortical Screw Star Drive 2.0mm Length 30mm Self-Tap
- SDCS2032** Cortical Screw Star Drive 2.0mm Length 32mm Self-Tap
- SDCS2034** Cortical Screw Star Drive 2.0mm Length 34mm Self-Tap
- SDCS2036** Cortical Screw Star Drive 2.0mm Length 36mm Self-Tap
- SDCS2038** Cortical Screw Star Drive 2.0mm Length 38mm Self-Tap
- SDCS2040** Cortical Screw Star Drive 2.0mm Length 40mm Self-Tap

2.0mm Cortical Self Tapping Screws Hex Drive



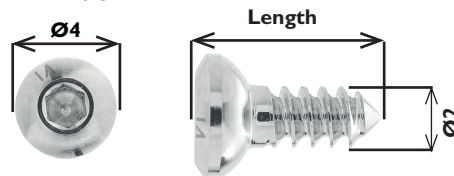
- CSST2006** 2mm Cortical Self Tapping Screw 6mm
- CSST2007** 2mm Cortical Self Tapping Screw 7mm
- CSST2008** 2mm Cortical Self Tapping Screw 8mm
- CSST2009** 2mm Cortical Self Tapping Screw 9mm
- CSST2010** 2mm Cortical Self Tapping Screw 10mm
- CSST2011** 2mm Cortical Self Tapping Screw 11mm
- CSST2012** 2mm Cortical Self Tapping Screw 12mm
- CSST2014** 2mm Cortical Self Tapping Screw 14mm
- CSST2016** 2mm Cortical Self Tapping Screw 16mm
- CSST2018** 2mm Cortical Self Tapping Screw 18mm
- CSST2020** 2mm Cortical Self Tapping Screw 20mm
- CSST2022** 2mm Cortical Self Tapping Screw 22mm
- CSST2024** 2mm Cortical Self Tapping Screw 24mm
- CSST2026** 2mm Cortical Self Tapping Screw 26mm
- CSST2028** 2mm Cortical Self Tapping Screw 28mm
- CSST2030** 2mm Cortical Self Tapping Screw 30mm
- CSST2032** 2mm Cortical Self Tapping Screw 32mm
- CSST2034** 2mm Cortical Self Tapping Screw 34mm
- CSST2036** 2mm Cortical Self Tapping Screw 36mm
- CSST2038** 2mm Cortical Self Tapping Screw 38mm
- CSST2040** 2mm Cortical Self Tapping Screw 40mm

2.0mm Cortical Self Tapping Screws Cruciate Drive



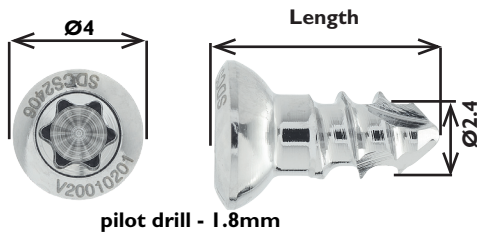
- CSXT2006** 2mm Cortical Self Tapping Screw 6mm Cruciate Head
- CSXT2007** 2mm Cortical Self Tapping Screw 7mm Cruciate Head
- CSXT2008** 2mm Cortical Self Tapping Screw 8mm Cruciate Head
- CSXT2009** 2mm Cortical Self Tapping Screw 9mm Cruciate Head
- CSXT2010** 2mm Cortical Self Tapping Screw 10mm Cruciate Head
- CSXT2011** 2mm Cortical Self Tapping Screw 11mm Cruciate Head
- CSXT2012** 2mm Cortical Self Tapping Screw 12mm Cruciate Head
- CSXT2014** 2mm Cortical Self Tapping Screw 14mm Cruciate Head
- CSXT2016** 2mm Cortical Self Tapping Screw 16mm Cruciate Head
- CSXT2018** 2mm Cortical Self Tapping Screw 18mm Cruciate Head
- CSXT2020** 2mm Cortical Self Tapping Screw 20mm Cruciate Head
- CSXT2022** 2mm Cortical Self Tapping Screw 22mm Cruciate Head
- CSXT2024** 2mm Cortical Self Tapping Screw 24mm Cruciate Head
- CSXT2026** 2mm Cortical Self Tapping Screw 26mm Cruciate Head
- CSXT2028** 2mm Cortical Self Tapping Screw 28mm Cruciate Head
- CSXT2030** 2mm Cortical Self Tapping Screw 30mm Cruciate Head
- CSXT2032** 2mm Cortical Self Tapping Screw 32mm Cruciate Head
- CSXT2034** 2mm Cortical Self Tapping Screw 34mm Cruciate Head
- CSXT2036** 2mm Cortical Self Tapping Screw 36mm Cruciate Head
- CSXT2038** 2mm Cortical Self Tapping Screw 38mm Cruciate Head
- CSXT2040** 2mm Cortical Self Tapping Screw 40mm Cruciate Head

2.0mm Cortical Screws Hex Drive



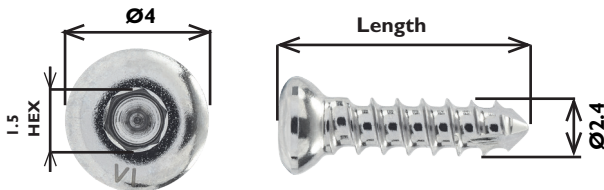
- CS2006** 2mm Cortical Screw 6mm
- CS2007** 2mm Cortical Screw 7mm
- CS2008** 2mm Cortical Screw 8mm
- CS2009** 2mm Cortical Screw 9mm
- CS2010** 2mm Cortical Screw 10mm
- CS2011** 2mm Cortical Screw 11mm
- CS2012** 2mm Cortical Screw 12mm
- CS2014** 2mm Cortical Screw 14mm
- CS2016** 2mm Cortical Screw 16mm
- CS2018** 2mm Cortical Screw 18mm
- CS2020** 2mm Cortical Screw 20mm
- CS2022** 2mm Cortical Screw 22mm
- CS2024** 2mm Cortical Screw 24mm
- CS2026** 2mm Cortical Screw 26mm
- CS2028** 2mm Cortical Screw 28mm
- CS2030** 2mm Cortical Screw 30mm
- CS2032** 2mm Cortical Screw 32mm
- CS2034** 2mm Cortical Screw 34mm

2.4mm Screws
2.4mm Cortical SelfTapping Screws
Star Drive



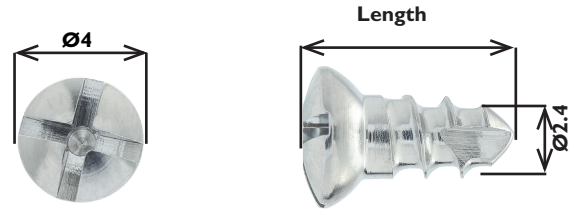
- SDCS2406** Cortical Screw Star Drive 2.4mm Length 06mm Self-Tap
- SDCS2407** Cortical Screw Star Drive 2.4mm Length 07mm Self-Tap
- SDCS2408** Cortical Screw Star Drive 2.4mm Length 08mm Self-Tap
- SDCS2409** Cortical Screw Star Drive 2.4mm Length 09mm Self-Tap
- SDCS2410** Cortical Screw Star Drive 2.4mm Length 10mm Self-Tap
- SDCS2411** Cortical Screw Star Drive 2.4mm Length 11mm Self-Tap
- SDCS2412** Cortical Screw Star Drive 2.4mm Length 12mm Self-Tap
- SDCS2414** Cortical Screw Star Drive 2.4mm Length 14mm Self-Tap
- SDCS2416** Cortical Screw Star Drive 2.4mm Length 16mm Self-Tap
- SDCS2418** Cortical Screw Star Drive 2.4mm Length 18mm Self-Tap
- SDCS2420** Cortical Screw Star Drive 2.4mm Length 20mm Self-Tap
- SDCS2422** Cortical Screw Star Drive 2.4mm Length 22mm Self-Tap
- SDCS2424** Cortical Screw Star Drive 2.4mm Length 24mm Self-Tap
- SDCS2426** Cortical Screw Star Drive 2.4mm Length 26mm Self-Tap
- SDCS2428** Cortical Screw Star Drive 2.4mm Length 28mm Self-Tap
- SDCS2430** Cortical Screw Star Drive 2.4mm Length 30mm Self-Tap
- SDCS2432** Cortical Screw Star Drive 2.4mm Length 32mm Self-Tap
- SDCS2434** Cortical Screw Star Drive 2.4mm Length 34mm Self-Tap
- SDCS2436** Cortical Screw Star Drive 2.4mm Length 36mm Self-Tap
- SDCS2438** Cortical Screw Star Drive 2.4mm Length 38mm Self-Tap
- SDCS2440** Cortical Screw Star Drive 2.4mm Length 40mm Self-Tap

2.4mm Cortical SelfTapping Screws
Hex Drive



- CSST2406** 2.4mm Self Tapping Cortical Screw 6mm
- CSST2407** 2.4mm Self Tapping Cortical Screw 7mm
- CSST2408** 2.4mm Self Tapping Cortical Screw 8mm
- CSST2409** 2.4mm Self Tapping Cortical Screw 9mm
- CSST2410** 2.4mm Self Tapping Cortical Screw 10mm
- CSST2411** 2.4mm Self Tapping Cortical Screw 11mm
- CSST2412** 2.4mm Self Tapping Cortical Screw 12mm
- CSST2414** 2.4mm Self Tapping Cortical Screw 14mm
- CSST2416** 2.4mm Self Tapping Cortical Screw 16mm
- CSST2418** 2.4mm Self Tapping Cortical Screw 18mm
- CSST2420** 2.4mm Self Tapping Cortical Screw 20mm
- CSST2422** 2.4mm Self Tapping Cortical Screw 22mm
- CSST2424** 2.4mm Self Tapping Cortical Screw 24mm
- CSST2426** 2.4mm Self Tapping Cortical Screw 26mm
- CSST2428** 2.4mm Self Tapping Cortical Screw 28mm
- CSST2430** 2.4mm Self Tapping Cortical Screw 30mm
- CSST2432** 2.4mm Self Tapping Cortical Screw 32mm
- CSST2434** 2.4mm Self Tapping Cortical Screw 34mm
- CSST2436** 2.4mm Self Tapping Cortical Screw 36mm
- CSST2438** 2.4mm Self Tapping Cortical Screw 38mm
- CSST2440** 2.4mm Self Tapping Cortical Screw 40mm

2.4mm Cortical SelfTapping Screws
Cruciate Drive

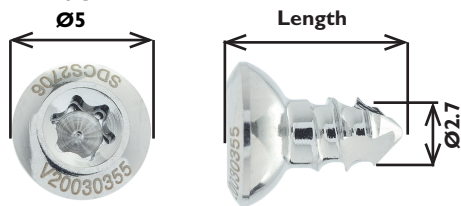


- CSXT2406** 2.4mm Self Tapping Cortical Screw 6mm Cruciate Head
- CSXT2407** 2.4mm Self Tapping Cortical Screw 7mm Cruciate Head
- CSXT2408** 2.4mm Self Tapping Cortical Screw 8mm Cruciate Head
- CSXT2409** 2.4mm Self Tapping Cortical Screw 9mm Cruciate Head
- CSXT2410** 2.4mm Self Tapping Cortical Screw 10mm Cruciate Head
- CSXT2411** 2.4mm Self Tapping Cortical Screw 11mm Cruciate Head
- CSXT2412** 2.4mm Self Tapping Cortical Screw 12mm Cruciate Head
- CSXT2414** 2.4mm Self Tapping Cortical Screw 14mm Cruciate Head
- CSXT2416** 2.4mm Self Tapping Cortical Screw 16mm Cruciate Head
- CSXT2418** 2.4mm Self Tapping Cortical Screw 18mm Cruciate Head
- CSXT2420** 2.4mm Self Tapping Cortical Screw 20mm Cruciate Head
- CSXT2422** 2.4mm Self Tapping Cortical Screw 22mm Cruciate Head
- CSXT2424** 2.4mm Self Tapping Cortical Screw 24mm Cruciate Head
- CSXT2426** 2.4mm Self Tapping Cortical Screw 26mm Cruciate Head
- CSXT2428** 2.4mm Self Tapping Cortical Screw 28mm Cruciate Head
- CSXT2430** 2.4mm Self Tapping Cortical Screw 30mm Cruciate Head
- CSXT2432** 2.4mm Self Tapping Cortical Screw 32mm Cruciate Head
- CSXT2434** 2.4mm Self Tapping Cortical Screw 34mm Cruciate Head
- CSXT2436** 2.4mm Self Tapping Cortical Screw 36mm Cruciate Head
- CSXT2438** 2.4mm Self Tapping Cortical Screw 38mm Cruciate Head
- CSXT2440** 2.4mm Self Tapping Cortical Screw 40mm Cruciate Head

2.7mm Screws

2.7mm Cortical SelfTapping Screws

Star Drive

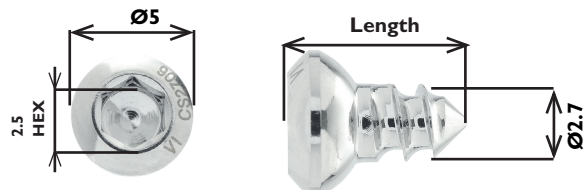


pilot drill - 2.0mm

SDCS2706	Cortical Screw Star Drive 2.7mm Length 06mm Self-Tap
SDCS2707	Cortical Screw Star Drive 2.7mm Length 07mm Self-Tap
SDCS2708	Cortical Screw Star Drive 2.7mm Length 08mm Self-Tap
SDCS2709	Cortical Screw Star Drive 2.7mm Length 09mm Self-Tap
SDCS2710	Cortical Screw Star Drive 2.7mm Length 10mm Self-Tap
SDCS2711	Cortical Screw Star Drive 2.7mm Length 11mm Self-Tap
SDCS2712	Cortical Screw Star Drive 2.7mm Length 12mm Self-Tap
SDCS2714	Cortical Screw Star Drive 2.7mm Length 14mm Self-Tap
SDCS2716	Cortical Screw Star Drive 2.7mm Length 16mm Self-Tap
SDCS2718	Cortical Screw Star Drive 2.7mm Length 18mm Self-Tap
SDCS2720	Cortical Screw Star Drive 2.7mm Length 20mm Self-Tap
SDCS2722	Cortical Screw Star Drive 2.7mm Length 22mm Self-Tap
SDCS2724	Cortical Screw Star Drive 2.7mm Length 24mm Self-Tap
SDCS2726	Cortical Screw Star Drive 2.7mm Length 26mm Self-Tap
SDCS2728	Cortical Screw Star Drive 2.7mm Length 28mm Self-Tap
SDCS2730	Cortical Screw Star Drive 2.7mm Length 30mm Self-Tap
SDCS2732	Cortical Screw Star Drive 2.7mm Length 32mm Self-Tap
SDCS2734	Cortical Screw Star Drive 2.7mm Length 34mm Self-Tap
SDCS2736	Cortical Screw Star Drive 2.7mm Length 36mm Self-Tap
SDCS2738	Cortical Screw Star Drive 2.7mm Length 38mm Self-Tap
SDCS2740	Cortical Screw Star Drive 2.7mm Length 40mm Self-Tap

2.7mm Cortical Screws

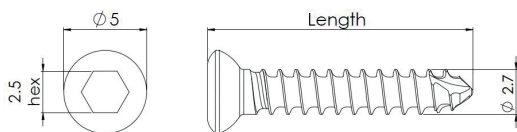
Hex Drive



CS2706	2.7mm Cortical Screw 6mm
CS2707	2.7mm Cortical Screw 7mm
CS2708	2.7mm Cortical Screw 8mm
CS2709	2.7mm Cortical Screw 9mm
CS2710	2.7mm Cortical Screw 10mm
CS2711	2.7mm Cortical Screw 11mm
CS2712	2.7mm Cortical Screw 12mm
CS2713	2.7mm Cortical Screw 13mm
CS2714	2.7mm Cortical Screw 14mm
CS2716	2.7mm Cortical Screw 16mm
CS2718	2.7mm Cortical Screw 18mm
CS2720	2.7mm Cortical Screw 20mm
CS2722	2.7mm Cortical Screw 22mm
CS2724	2.7mm Cortical Screw 24mm
CS2726	2.7mm Cortical Screw 26mm
CS2728	2.7mm Cortical Screw 28mm
CS2730	2.7mm Cortical Screw 30mm
CS2732	2.7mm Cortical Screw 32mm
CS2734	2.7mm Cortical Screw 34mm
CS2736	2.7mm Cortical Screw 36mm
CS2738	2.7mm Cortical Screw 38mm
CS2740	2.7mm Cortical Screw 40mm

2.7mm Cortical SelfTapping Screws

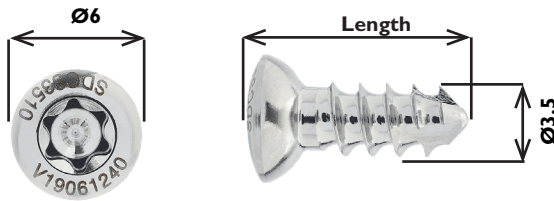
Hex Drive



CSST2706	2.7mm Self Tapping Cortical Screw 6mm
CSST2707	2.7mm Self Tapping Cortical Screw 7mm
CSST2708	2.7mm Self Tapping Cortical Screw 8mm
CSST2709	2.7mm Self Tapping Cortical Screw 9mm
CSST2710	2.7mm Self Tapping Cortical Screw 10mm
CSST2711	2.7mm Self Tapping Cortical Screw 11mm
CSST2712	2.7mm Self Tapping Cortical Screw 12mm
CSST2713	2.7mm Self Tapping Cortical Screw 13mm
CSST2714	2.7mm Self Tapping Cortical Screw 14mm
CSST2716	2.7mm Self Tapping Cortical Screw 16mm
CSST2718	2.7mm Self Tapping Cortical Screw 18mm
CSST2720	2.7mm Self Tapping Cortical Screw 20mm
CSST2722	2.7mm Self Tapping Cortical Screw 22mm
CSST2724	2.7mm Self Tapping Cortical Screw 24mm
CSST2726	2.7mm Self Tapping Cortical Screw 26mm
CSST2728	2.7mm Self Tapping Cortical Screw 28mm
CSST2730	2.7mm Self Tapping Cortical Screw 30mm
CSST2732	2.7mm Self Tapping Cortical Screw 32mm
CSST2734	2.7mm Self Tapping Cortical Screw 34mm
CSST2736	2.7mm Self Tapping Cortical Screw 36mm
CSST2738	2.7mm Self Tapping Cortical Screw 38mm
CSST2740	2.7mm Self Tapping Cortical Screw 40mm

3.5mm Screws

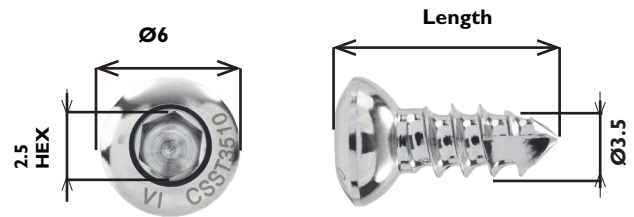
3.5mm Cortical Self Tapping Screws
Star Drive



pilot drill - 2.5mm

- SDCS3508** Cortical Screw Star Drive 3.5mm, Length 08mm Self-Tap
- SDCS3509** Cortical Screw Star Drive 3.5mm, Length 09mm Self-Tap
- SDCS3510** Cortical Screw Star Drive 3.5mm, Length 10mm Self-Tap
- SDCS3511** Cortical Screw Star Drive 3.5mm, Length 11mm Self-Tap
- SDCS3512** Cortical Screw Star Drive 3.5mm, Length 12mm Self-Tap
- SDCS3513** Cortical Screw Star Drive 3.5mm, Length 13mm Self-Tap
- SDCS3514** Cortical Screw Star Drive 3.5mm, Length 14mm Self-Tap
- SDCS3515** Cortical Screw Star Drive 3.5mm, Length 15mm Self-Tap
- SDCS3516** Cortical Screw Star Drive 3.5mm, Length 16mm Self-Tap
- SDCS3518** Cortical Screw Star Drive 3.5mm, Length 18mm Self-Tap
- SDCS3520** Cortical Screw Star Drive 3.5mm, Length 20mm Self-Tap
- SDCS3522** Cortical Screw Star Drive 3.5mm, Length 22mm Self-Tap
- SDCS3524** Cortical Screw Star Drive 3.5mm, Length 24mm Self-Tap
- SDCS3526** Cortical Screw Star Drive 3.5mm, Length 26mm Self-Tap
- SDCS3528** Cortical Screw Star Drive 3.5mm, Length 28mm Self-Tap
- SDCS3530** Cortical Screw Star Drive 3.5mm, Length 30mm Self-Tap
- SDCS3532** Cortical Screw Star Drive 3.5mm, Length 32mm Self-Tap
- SDCS3534** Cortical Screw Star Drive 3.5mm, Length 34mm Self-Tap
- SDCS3536** Cortical Screw Star Drive 3.5mm, Length 36mm Self-Tap
- SDCS3538** Cortical Screw Star Drive 3.5mm, Length 38mm Self-Tap
- SDCS3540** Cortical Screw Star Drive 3.5mm, Length 40mm Self-Tap
- SDCS3542** Cortical Screw Star Drive 3.5mm, Length 42mm Self-Tap
- SDCS3544** Cortical Screw Star Drive 3.5mm, Length 44mm Self-Tap
- SDCS3545** Cortical Screw Star Drive 3.5mm, Length 45mm Self-Tap
- SDCS3546** Cortical Screw Star Drive 3.5mm, Length 46mm Self-Tap
- SDCS3548** Cortical Screw Star Drive 3.5mm, Length 48mm Self-Tap
- SDCS3550** Cortical Screw Star Drive 3.5mm, Length 50mm Self-Tap
- SDCS3555** Cortical Screw Star Drive 3.5mm, Length 55mm Self-Tap
- SDCS3560** Cortical Screw Star Drive 3.5mm, Length 60mm Self-Tap

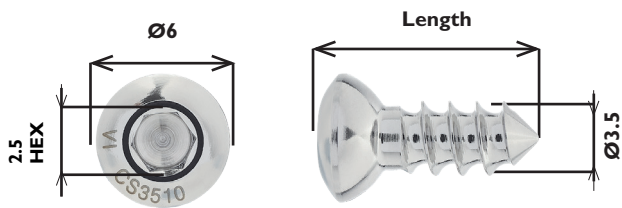
3.5mm Cortical Self Tapping Screws
Hex Drive



- CSST3508** 3.5mm Self Tapping Cortical Screw 8mm
- CSST3510** 3.5mm Self Tapping Cortical Screw 10mm
- CSST3511** 3.5mm Self Tapping Cortical Screw 11mm
- CSST3512** 3.5mm Self Tapping Cortical Screw 12mm
- CSST3513** 3.5mm Self Tapping Cortical Screw 13mm
- CSST3514** 3.5mm Self Tapping Cortical Screw 14mm
- CSST3515** 3.5mm Self Tapping Cortical Screw 15mm
- CSST3516** 3.5mm Self Tapping Cortical Screw 16mm
- CSST3518** 3.5mm Self Tapping Cortical Screw 18mm
- CSST3520** 3.5mm Self Tapping Cortical Screw 20mm
- CSST3522** 3.5mm Self Tapping Cortical Screw 22mm
- CSST3524** 3.5mm Self Tapping Cortical Screw 24mm
- CSST3526** 3.5mm Self Tapping Cortical Screw 26mm
- CSST3528** 3.5mm Self Tapping Cortical Screw 28mm
- CSST3530** 3.5mm Self Tapping Cortical Screw 30mm
- CSST3532** 3.5mm Self Tapping Cortical Screw 32mm
- CSST3534** 3.5mm Self Tapping Cortical Screw 34mm
- CSST3536** 3.5mm Self Tapping Cortical Screw 36mm
- CSST3538** 3.5mm Self Tapping Cortical Screw 38mm
- CSST3540** 3.5mm Self Tapping Cortical Screw 40mm
- CSST3542** 3.5mm Self Tapping Cortical Screw 42mm
- CSST3544** 3.5mm Self Tapping Cortical Screw 44mm
- CSST3545** 3.5mm Self Tapping Cortical Screw 45mm
- CSST3546** 3.5mm Self Tapping Cortical Screw 46mm
- CSST3548** 3.5mm Self Tapping Cortical Screw 48mm
- CSST3550** 3.5mm Self Tapping Cortical Screw 50mm
- CSST3555** 3.5mm Self Tapping Cortical Screw 55mm
- CSST3560** 3.5mm Self Tapping Cortical Screw 60mm

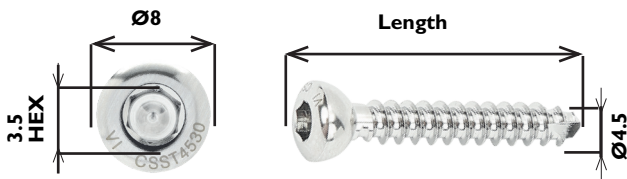
3.5mm Cortical Screws

Hex Drive



CS3508	3.5mm Cortical Screw 8mm
CS3509	3.5mm Cortical Screw 9mm
CS3510	3.5mm Cortical Screw 10mm
CS3511	3.5mm Cortical Screw 11mm
CS3512	3.5mm Cortical Screw 12mm
CS3513	3.5mm Cortical Screw 13mm
CS3514	3.5mm Cortical Screw 14mm
CS3515	3.5mm Cortical Screw 15mm
CS3516	3.5mm Cortical Screw 16mm
CS3518	3.5mm Cortical Screw 18mm
CS3520	3.5mm Cortical Screw 20mm
CS3522	3.5mm Cortical Screw 22mm
CS3524	3.5mm Cortical Screw 24mm
CS3526	3.5mm Cortical Screw 26mm
CS3528	3.5mm Cortical Screw 28mm
CS3530	3.5mm Cortical Screw 30mm
CS3532	3.5mm Cortical Screw 32mm
CS3534	3.5mm Cortical Screw 34mm
CS3536	3.5mm Cortical Screw 36mm
CS3538	3.5mm Cortical Screw 38mm
CS3540	3.5mm Cortical Screw 40mm
CS3542	3.5mm Cortical Screw 42mm
CS3544	3.5mm Cortical Screw 44mm
CS3545	3.5mm Cortical Screw 45mm
CS3546	3.5mm Cortical Screw 46mm
CS3548	3.5mm Cortical Screw 48mm
CS3550	3.5mm Cortical Screw 50mm
CS3555	3.5mm Cortical Screw 55mm
CS3560	3.5mm Cortical Screw 60mm
CS3565	3.5mm Cortical Screw 65mm
CS3570	3.5mm Cortical Screw 70mm
CS3575	3.5mm Cortical Screw 75mm
CS3580	3.5mm Cortical Screw 80mm
CS3585	3.5mm Cortical Screw 85mm

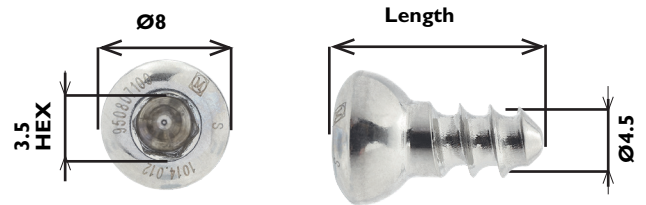
4.5mm Screws
4.5mm Cortical Self Tapping Screws
Hex Drive



pilot drill - 3.2mm

CSST4512	4.5mm Self Tapping Cortical Screw 12mm
CSST4514	4.5mm Self Tapping Cortical Screw 14mm
CSST4516	4.5mm Self Tapping Cortical Screw 16mm
CSST4518	4.5mm Self Tapping Cortical Screw 18mm
CSST4520	4.5mm Self Tapping Cortical Screw 20mm
CSST4522	4.5mm Self Tapping Cortical Screw 22mm
CSST4524	4.5mm Self Tapping Cortical Screw 24mm
CSST4526	4.5mm Self Tapping Cortical Screw 26mm
CSST4528	4.5mm Self Tapping Cortical Screw 28mm
CSST4530	4.5mm Self Tapping Cortical Screw 30mm
CSST4532	4.5mm Self Tapping Cortical Screw 32mm
CSST4534	4.5mm Self Tapping Cortical Screw 34mm
CSST4536	4.5mm Self Tapping Cortical Screw 36mm
CSST4538	4.5mm Self Tapping Cortical Screw 38mm
CSST4540	4.5mm Self Tapping Cortical Screw 40mm
CSST4542	4.5mm Self Tapping Cortical Screw 42mm
CSST4544	4.5mm Self Tapping Cortical Screw 44mm
CSST4546	4.5mm Self Tapping Cortical Screw 46mm
CSST4548	4.5mm Self Tapping Cortical Screw 48mm
CSST4550	4.5mm Self Tapping Cortical Screw 50mm
CSST4552	4.5mm Self Tapping Cortical Screw 52mm
CSST4554	4.5mm Self Tapping Cortical Screw 54mm
CSST4556	4.5mm Self Tapping Cortical Screw 56mm
CSST4558	4.5mm Self Tapping Cortical Screw 58mm
CSST4560	4.5mm Self Tapping Cortical Screw 60mm
CSST4562	4.5mm Self Tapping Cortical Screw 62mm
CSST4564	4.5mm Self Tapping Cortical Screw 64mm
CSST4566	4.5mm Self Tapping Cortical Screw 66mm
CSST4568	4.5mm Self Tapping Cortical Screw 68mm
CSST4570	4.5mm Self Tapping Cortical Screw 70mm
CSST4575	4.5mm Self Tapping Cortical Screw 75mm
CSST4580	4.5mm Self Tapping Cortical Screw 80mm
CSST4585	4.5mm Self Tapping Cortical Screw 85mm

4.5mm Cortical Screws
Hex Drive

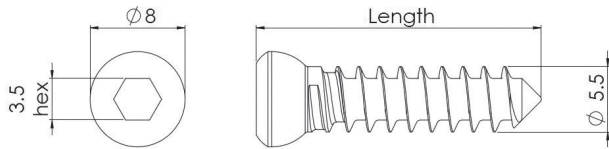


CS4512	4.5mm Cortical Screw 12mm
CS4514	4.5mm Cortical Screw 14mm
CS4516	4.5mm Cortical Screw 16mm
CS4518	4.5mm Cortical Screw 18mm
CS4520	4.5mm Cortical Screw 20mm
CS4522	4.5mm Cortical Screw 22mm
CS4524	4.5mm Cortical Screw 24mm
CS4526	4.5mm Cortical Screw 26mm
CS4528	4.5mm Cortical Screw 28mm
CS4530	4.5mm Cortical Screw 30mm
CS4532	4.5mm Cortical Screw 32mm
CS4534	4.5mm Cortical Screw 34mm
CS4536	4.5mm Cortical Screw 36mm
CS4538	4.5mm Cortical Screw 38mm
CS4540	4.5mm Cortical Screw 40mm
CS4542	4.5mm Cortical Screw 42mm
CS4544	4.5mm Cortical Screw 44mm
CS4546	4.5mm Cortical Screw 46mm
CS4548	4.5mm Cortical Screw 48mm
CS4550	4.5mm Cortical Screw 50mm
CS4552	4.5mm Cortical Screw 52mm
CS4554	4.5mm Cortical Screw 54mm
CS4556	4.5mm Cortical Screw 56mm
CS4558	4.5mm Cortical Screw 58mm
CS4560	4.5mm Cortical Screw 60mm
CS4562	4.5mm Cortical Screw 62mm
CS4564	4.5mm Cortical Screw 64mm
CS4566	4.5mm Cortical Screw 66mm
CS4568	4.5mm Cortical Screw 68mm
CS4570	4.5mm Cortical Screw 70mm
CS4575	4.5mm Cortical Screw 75mm
CS4580	4.5mm Cortical Screw 80mm
CS4585	4.5mm Cortical Screw 85mm

5.5mm Screws

5.5mm Cortical Screws

Hex Drive

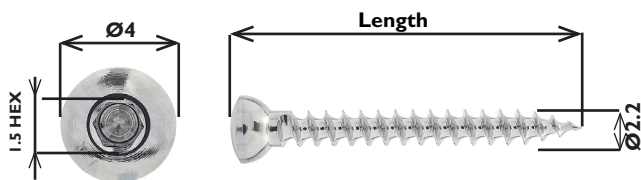


CS5524	5.5mm Cortical Screw 24mm
CS5526	5.5mm Cortical Screw 26mm
CS5528	5.5mm Cortical Screw 28mm
CS5530	5.5mm Cortical Screw 30mm
CS5532	5.5mm Cortical Screw 32mm
CS5534	5.5mm Cortical Screw 34mm
CS5536	5.5mm Cortical Screw 36mm
CS5538	5.5mm Cortical Screw 38mm
CS5540	5.5mm Cortical Screw 40mm
CS5542	5.5mm Cortical Screw 42mm
CS5544	5.5mm Cortical Screw 44mm
CS5546	5.5mm Cortical Screw 46mm
CS5548	5.5mm Cortical Screw 48mm
CS5550	5.5mm Cortical Screw 50mm
CS5552	5.5mm Cortical Screw 52mm
CS5554	5.5mm Cortical Screw 54mm
CS5556	5.5mm Cortical Screw 56mm
CS5560	5.5mm Cortical Screw 60mm
CS5564	5.5mm Cortical Screw 64mm
CS5570	5.5mm Cortical Screw 70mm
CS5580	5.5mm Cortical Screw 80mm
CS5590	5.5mm Cortical Screw 90mm
CS55100	5.5mm Cortical Screw 100mm

Cancellous Screws

Hex Drive

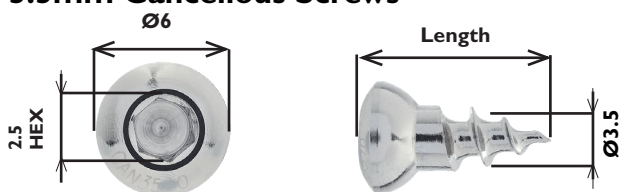
2.2mm Cancellous Screws



pilot drill - 1.5mm

- CAN2208** 2.2mm Self Tapping Cancellous Screw 8mm
- CAN2210** 2.2mm Self Tapping Cancellous Screw 10mm
- CAN2212** 2.2mm Self Tapping Cancellous Screw 12mm
- CAN2214** 2.2mm Self Tapping Cancellous Screw 14mm
- CAN2216** 2.2mm Self Tapping Cancellous Screw 16mm
- CAN2218** 2.2mm Self Tapping Cancellous Screw 18mm
- CAN2220** 2.2mm Self Tapping Cancellous Screw 20mm
- CAN2222** 2.2mm Self Tapping Cancellous Screw 22mm
- CAN2224** 2.2mm Self Tapping Cancellous Screw 24mm

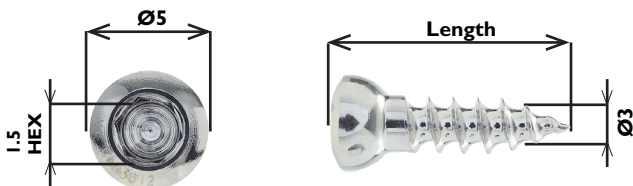
3.5mm Cancellous Screws



pilot drill - 2.0mm

- CAN3510** 3.5mm Cancellous Screw 10mm
- CAN3512** 3.5mm Cancellous Screw 12mm
- CAN3514** 3.5mm Cancellous Screw 14mm
- CAN3516** 3.5mm Cancellous Screw 16mm
- CAN3518** 3.5mm Cancellous Screw 18mm
- CAN3520** 3.5mm Cancellous Screw 20mm
- CAN3522** 3.5mm Cancellous Screw 22mm
- CAN3524** 3.5mm Cancellous Screw 24mm
- CAN3526** 3.5mm Cancellous Screw 26mm
- CAN3528** 3.5mm Cancellous Screw 28mm
- CAN3530** 3.5mm Cancellous Screw 30mm
- CAN3532** 3.5mm Cancellous Screw 32mm
- CAN3534** 3.5mm Cancellous Screw 34mm
- CAN3536** 3.5mm Cancellous Screw 36mm
- CAN3538** 3.5mm Cancellous Screw 38mm
- CAN3540** 3.5mm Cancellous Screw 40mm
- CAN3545** 3.5mm Cancellous Screw 45mm
- CAN3550** 3.5mm Cancellous Screw 50mm
- CAN3555** 3.5mm Cancellous Screw 55mm
- CAN3560** 3.5mm Cancellous Screw 60mm

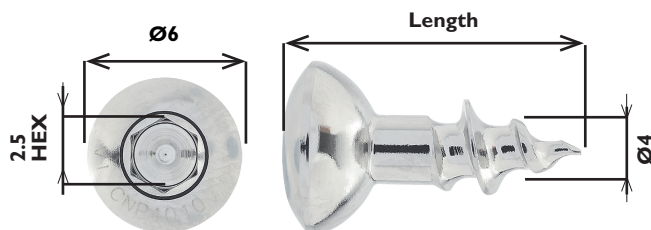
3.0mm Cancellous Screws



pilot drill - 2.0mm

- CAN3012** 3mm Self Tapping Cancellous Screw 12mm
- CAN3014** 3mm Self Tapping Cancellous Screw 14mm
- CAN3016** 3mm Self Tapping Cancellous Screw 16mm
- CAN3018** 3mm Self Tapping Cancellous Screw 18mm
- CAN3020** 3mm Self Tapping Cancellous Screw 20mm
- CAN3022** 3mm Self Tapping Cancellous Screw 22mm
- CAN3024** 3mm Self Tapping Cancellous Screw 24mm
- CAN3026** 3mm Self Tapping Cancellous Screw 26mm
- CAN3028** 3mm Self Tapping Cancellous Screw 28mm
- CAN3030** 3mm Self Tapping Cancellous Screw 30mm
- CAN3032** 3mm Self Tapping Cancellous Screw 32mm
- CAN3034** 3mm Self Tapping Cancellous Screw 34mm
- CAN3036** 3mm Self Tapping Cancellous Screw 36mm

4.0mm Cancellous Screws Part Threaded

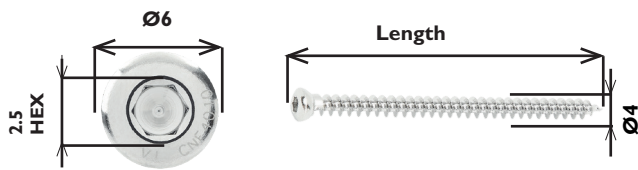


pilot drill - 2.5mm

- CNP4010** 4mm Part Thread Cancellous Screws 10mm
- CNP4012** 4mm Part Thread Cancellous Screws 12mm
- CNP4014** 4mm Part Thread Cancellous Screws 14mm
- CNP4016** 4mm Part Thread Cancellous Screws 16mm
- CNP4018** 4mm Part Thread Cancellous Screws 18mm
- CNP4020** 4mm Part Thread Cancellous Screws 20mm
- CNP4022** 4mm Part Thread Cancellous Screws 22mm
- CNP4024** 4mm Part Thread Cancellous Screws 24mm
- CNP4026** 4mm Part Thread Cancellous Screws 26mm
- CNP4028** 4mm Part Thread Cancellous Screws 28mm
- CNP4030** 4mm Part Thread Cancellous Screws 30mm
- CNP4035** 4mm Part Thread Cancellous Screws 35mm
- CNP4040** 4mm Part Thread Cancellous Screws 40mm
- CNP4045** 4mm Part Thread Cancellous Screws 45mm
- CNP4050** 4mm Part Thread Cancellous Screws 50mm
- CNP4055** 4mm Part Thread Cancellous Screws 55mm
- CNP4060** 4mm Part Thread Cancellous Screws 60mm

4.0mm Cancellous Screws

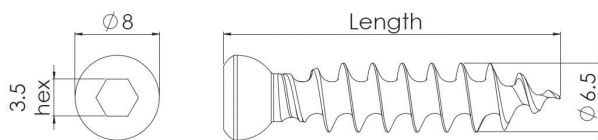
Full Threaded



pilot drill - 2.5mm

CNF4010	4mm Fully Threaded Cancellous Screws 10mm
CNF4012	4mm Fully Threaded Cancellous Screws 12mm
CNF4014	4mm Fully Threaded Cancellous Screws 14mm
CNF4016	4mm Fully Threaded Cancellous Screws 16mm
CNF4018	4mm Fully Threaded Cancellous Screws 18mm
CNF4020	4mm Fully Threaded Cancellous Screws 20mm
CNF4022	4mm Fully Threaded Cancellous Screws 22mm
CNF4024	4mm Fully Threaded Cancellous Screws 24mm
CNF4026	4mm Fully Threaded Cancellous Screws 26mm
CNF4028	4mm Fully Threaded Cancellous Screws 28mm
CNF4030	4mm Fully Threaded Cancellous Screws 30mm
CNF4032	4mm Fully Threaded Cancellous Screws 32mm
CNF4034	4mm Fully Threaded Cancellous Screws 34mm
CNF4035	4mm Fully Threaded Cancellous Screws 35mm
CNF4036	4mm Fully Threaded Cancellous Screws 36mm
CNF4038	4mm Fully Threaded Cancellous Screws 38mm
CNF4040	4mm Fully Threaded Cancellous Screws 40mm
CNF4045	4mm Fully Threaded Cancellous Screws 45mm
CNF4050	4mm Fully Threaded Cancellous Screws 50mm
CNF4055	4mm Fully Threaded Cancellous Screws 55mm
CNF4060	4mm Fully Threaded Cancellous Screws 60mm

6.5mm Cancellous Screws



pilot drill - 3.2mm

CNF6525	25mm Fully Threaded Cancellous Screws 25mm
CNF6530	30mm Fully Threaded Cancellous Screws 30mm
CNF6535	35mm Fully Threaded Cancellous Screws 35mm
CNF6540	40mm Fully Threaded Cancellous Screws 40mm
CNF6545	45mm Fully Threaded Cancellous Screws 45mm
CNF6550	50mm Fully Threaded Cancellous Screws 50mm
CNF6555	55mm Fully Threaded Cancellous Screws 55mm
CNF6560	60mm Fully Threaded Cancellous Screws 60mm
CNF6565	65mm Fully Threaded Cancellous Screws 65mm
CNF6570	70mm Fully Threaded Cancellous Screws 70mm
CNF6575	75mm Fully Threaded Cancellous Screws 75mm

Screwdrivers Modular Screwdrivers



E17-079 Soft Touch Quick Release Handle - AO Fit



D17-080 Soft Touch Quick Release Handle - Dental Fit

Star Drive Screwdriver Inserts To Fit Modular Handles



- SDT415-A** Star Drive Insert for 1.5mm Star Drive Screws (Fits D17-080)
- SDT620-A** Star Drive Insert for 2.0mm Star Drive Screws (Fits D17-080)
- SDT82427** Star Drive Insert for 2.4/2.7mm Star Drive Screws (Fits D17-080)
- SDT1535** Star Drive Insert for 3.5mm Star Drive Screws (Fits E17-079)
- SDTSET-A** Quick Release & Dental Fit Handles & Star Drive Insert Set 1.5mm - 3.5mm

Cruciate Drive Screwdriver Inserts To Fit Modular Handles



- SDIN1.0-A** Dental Fit Screwdriver Insert For 1.0mm Screws (Fits D17-080)
- SDXQRD1520-A** Cruciate Screwdriver Insert For 1.5/2.0mm Screws (Fits D17-080)
- SDXQR24** Cruciate Screwdriver Insert For 2.4mm Screws (E17-079)

Hex Drive Screwdriver Inserts To Fit Modular Handles



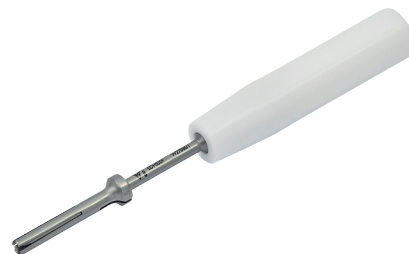
- SDD1500-A** 1.5/2.0/2.4mm Hex Dental Fit Screwdriver Attachment (Fits D17-080)
- SDH355** Hex Screwdriver Insert For 2.7/3.5/4.0mm Screws (Fits E17-079)
- SDHS45S** Hex Screwdriver Insert For 4.5mm+ Screws (Fits E17-079)

Cruciate Head Screwdrivers For 1.5mm, 2.0mm & 2.4mm Screws



- SDX1520** Cruciate Screwdriver For 1.5mm/2.0mm Screws
- SDX24** Cruciate Screwdriver 2.4mm Screws

Hex Screwdriver For 1.5mm, 2.0mm & 2.4mm Screws



- SSH2000** Screwholding Sleeve To Fit SDHS20-I
- SDHS20-I** 1.5mm Hex Screwdriver/Sleeve PTFE Handle For 1.5mm/2.0mm/2.4mm Screws 125mm

Hex Screwdriver For 2.7mm, 3.5mm & 4.0mm Screws



- SSH274I** Screwholding Sleeve To Fit SDHS35POM-C
- SDHS35POM-C** 2.5mm Hex Screwdriver + Sleeve With PTFE Handle For 2.7mm/3.5mm/4.0mm Screws, 200mm

Hex Drive Shaft

Hex drive screwdriver extensions for standard Jacob's Chuck on power drills. Whilst it is advised that the final tightening of the screw is performed by hand, time & effort can be saved by power driving.

- DS25HEX** 2.5 Hex Drive Shaft for 2.7mm, 3.5mm & 4.0mm Screws
- DS35HEX** 3.5 Hex Drive Shaft for 4.5mm & 5.5mm Screws

Tap Devices Modular Tap Devices



E17-079 Soft Touch Quick Release Handle - AO Fit



D17-080 Soft Touch Quick Release Handle - Dental Fit



T19-095 Soft Touch T-Bar Handle Quick Release - AO Fit

Modular Cortical Taps



- TD0015-A** 1.5mm Cortical Tap (Fits D17-080)
- TD0020-A** 2.0mm Cortical Tap (Fits D17-080)
- TS0024** 2.4mm Cortical Tap (Fits E17-079 & T19-095)
- TS00027** 2.7mm Cortical Tap (Fits E17-079 & T19-095)
- TS12535** 3.5mm Cortical Tap (Fits E17-079 & T19-095)
- TS17535** 3.5mm Small Cancellous Tap (Fits E17-079 & T19-095)
- TS00045** 4.5mm Cortical Tap (Fits E17-079 & T19-095)
- TS00045L** 4.5mm Extra Long Tap (195mm Long) 100mm Thread (Fits E17-079 & T19-095)
- TS00045XL** 4.5mm Extra Long Tap (260mm Long) 195mm Thread (Fits E17-079 & T19-095)

Modular Locking Taps



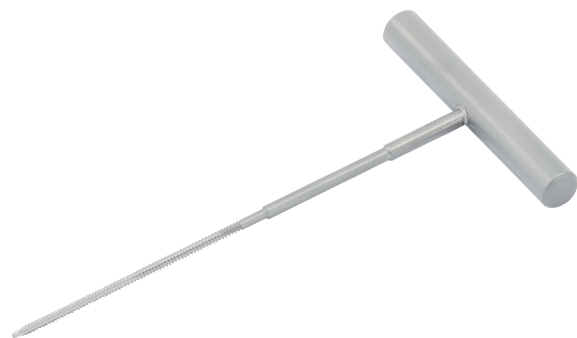
- TSL520-A** Tap for 2.0mm Locking Screws (Fits D17-080)
- TSL524** Tap for 2.4mm Locking Screws (Fits E17-079 & T19-095)
- TSL527** Tap for 2.7mm Locking Screws (Fits E17-079 & T19-095)
- TSL535** Tap for 3.5mm Locking Screws (Fits E17-079 & T19-095)
- TSLSET-A** Handle Quick Release & Dental Fit & Locking Tap Set 2.0mm - 3.5mm

5.5mm Tap - Quick Release Square Fit



TQH55 Handle for 5.5mm Cortical Tap - Square Fit
TQ00055 5.5mm Cortical Tap - Square Fit

T Bar Cortical Taps



Fixed T Bar Tap Devices require no additional handle.

- TBT015** T Bar Tap 1.5mm Cortical
- TBT020** T Bar Tap 2.0mm Cortical
- TBT027** T Bar Tap 2.7mm Cortical
- TBT12535** T Bar Tap 3.5mm Cortical
- TBT17535** T Bar Tap 3.5mm Small Cancellous
- TBT065** T Bar Tap 6.5mm Cancellous

Countersinks Modular Countersinks



E17-079 Soft Touch Quick Release Handle - AO Fit



D17-080 Soft Touch Quick Release Handle - Dental Fit



T19-095 Soft Touch T-Bar Handle Quick Release - AO Fit

Countersinks - Fixed Handle



- COU1520T-A** T Bar Countersink for 1.5/2.0mm Screws
- COU2427T-A** T Bar Countersink for 2.4/2.7mm Screws
- COU3540T-A** T Bar Countersink for 3.5/4.0mm Screws
- COU4565T-A** T Bar Countersink for 4.5 - 6.5mm Screws

Countersinks - Quick Release



If the screw is destined to screw down onto the surface of the bone without a plate, it is helpful to contour the top of the screw hole to fit the screw head. This procedure is especially important when lag screwing relatively small fragments. Failure to countersink may lead to fracture of the bone fragment.

- COU1520QRD** Quick Release Countersink For 1.5/2.0mm Screws (Fits D17-080)
- COU2427QR** Quick Release Countersink For 2.4/2.7mm Screws (Fits E17-079 & T19-095)
- COU3540QR** Quick Release Countersink For 3.5/4.0mm Screws (Fits E17-079 & T19-095)
- COU4565QR** Quick Release Countersink For 4.5/6.5mm Screws (Fits E17-079 & T19-095)

Drill Bits

Drill Bits - Round Shank

Round shank multi-use drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.



Standard Length

Suitable for most applications.

	Diameter (mm)	Total Length (mm)	Flute Length (mm)
H090100	1.1	70	20
H090101	1.5	90	20
H090208	1.8	110	25
H090202	1.9	110	25
H090102	2.0	110	30
H090203	2.3	120	30
H090209	2.4	120	30
H090112	2.5	120	30
H090104	2.7	130	40
H090103	2.8	130	40
H090205	3.0	130	40
H090105S	3.2	130	40
H090106S	3.5	130	50
H090207	3.8	130	50
H090107S	4.0	130	50
H090108S	4.5	130	50
H090109S	5.5	130	60

Long Length



	Diameter (mm)	Total Length (mm)	Flute Length (mm)
H090101L	1.5	120	20
H090208L	1.8	140	25
H090102L	2.0	140	30
H090209L	2.4	150	30
H090112L	2.5	150	30
H090104L	2.7	170	40
H090103L	2.8	170	40
H090105L	3.2	180	40
H090106L	3.5	180	50
H090107/L	4.0	180	50
H090108L	4.5	180	50
H090109/L	5.5	180	60

Please note that longer drill bits are more prone to snapping & it is more difficult to control the hole angle & accuracy – therefore standard length drill bits should be used where possible. Where a longer drill bit is required it should be used with particular care & attention; use of a long drill guide may help to minimise problems.

Drill Bits - Quick Release AO Fit

Quick release multi-use drill bits made from hardened stainless steel, suitable for use with an AO style quick release chuck.

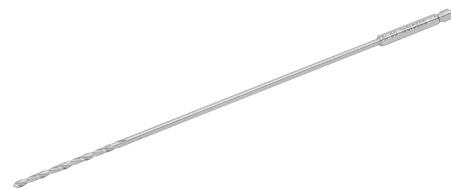


Standard Length

Suitable for most applications.

	Diameter (mm)	Total Length (mm)	Flute Length (mm)
S090100S	1.1	80	20
S090101S	1.5	100	20
S090208	1.8	110	25
S090102S	2.0	110	30
S090209	2.4	120	30
S090112S	2.5	130	30
S090104S	2.7	130	40
S090103S	2.8	140	40
S090105S	3.2	140	40
S090106S	3.5	140	50
S090107	4.0	170	50
S090108S	4.5	140	50
S090109	5.5	170	50

Long Length



	Diameter (mm)	Total Length (mm)	Flute Length (mm)
S090100L	1.1	110	20
S090101L	1.5	130	20
S090208L	1.8	140	25
S090102L	2.0	140	30
S090209L	2.4	170	30
S090112L	2.5	180	30
S090104L	2.7	180	40
S090103L	2.8	190	40
S090105L	3.2	190	40
S090106L	3.5	190	50
S090108L	4.5	190	50

Mini Quick Release Drill Bits - Dental Fit

These smaller drill bits are too delicate for use with a power drill, & are designed for use with the D17-080 dental fit handle. This improves control & helps prevent breakages.

- I0MDB07-A** 0.7mm Drill Bit For D17-080 Quick Release Handle Dental Fit
- I0MDB10-A** 1.0mm Drill Bit For D17-080 Quick Release Handle Dental Fit

Drill Bits - Anti-Skid - Round Shank



Anti-skid drill bits have a special tip which bites into the bone surface, accurately positioning the hole. Particularly useful for holes which are not perpendicular to the bone surface, & where a drill guide is not used. Round shank multi-use drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.

	Diameter (mm)	Total Length (mm)	Flute Length (mm)
H090101AS	1.5	90	20
H090208AS	1.8	110	25
H090102AS	2	110	30
H090209AS	2.4	120	30
H090112AS	2.5	120	30
H090104AS	2.7	130	40
H090105SAS	3.2	130	40
H090106SAS	3.5	130	50
H090106SAS/L	3.5	180	50
H090108SAS	4.5	130	50

Drill Bits - Cannulated - Round Shank & AO Fit



For use with a Ø1.1mm guide wire for accurate placement of holes.

Round Shank

Round shank multi-use cannulated drill bits made from hardened stainless steel, suitable for use with a standard Jacobs chuck.

	Diameter (mm)	Total Length (mm)	Flute Length (mm)
H090112CAN	2.5	130	25
H090104CAN	2.7	130	30
H090106CAN	3.5	130	35

Quick Release AO Fit

Quick release multi-use cannulated drill bits made from hardened stainless steel, suitable for use with an AO style quick release chuck.



	Diameter (mm)	Total Length (mm)	Flute Length (mm)
S090112CAN	2.5	105	25
S090104CAN	2.7	105	30
S090106CAN	3.5	105	35

Pre-Drilling ESF Pin Tracts



Pre-drilling a pin tract hole in the bone into which the ESF pin is subsequently inserted is very important as the ESF pins do not have drilling ends. Otherwise insertion of an ESF pin directly into the bone may cause impaction, micro-fracturing of the bone & excessive heat production with bone necrosis, all of which can lead to pin loosening. A drill bit that is about 10% smaller than the shank (core) diameter of the pin, or at least 0.1mm smaller should be used. A slow speed (electric) drill at about 150rpm is advisable, using flush to cool the pin & minimise heat generated in the bone that could cause bone necrosis & pin loosening. An appropriate drill guide is used to protect the soft tissues & minimise drill wobble & skidding. Once the hole is drilled, a K-wire can be used to maintain the pin tract (before the drill guide is removed) so it can be easily re-identified once the ESF pin is ready to be inserted.

- H090202** 1.9mm Pre-Drill For 2.0mm Shank Positive Pin
- H090203** 2.3mm Pre-Drill For 2.4mm Shank Positive Pin
- H090205** 3.0mm Pre-Drill For 3.2mm Shank Positive Pin
- H090207** 3.8mm Pre-Drill For 4.0mm Shank Positive Pin
- H090101** 1.5mm Pre-Drill For 2.0mm Shank Negative Pin
- H090102** 2.0mm Pre-Drill For 2.4mm Shank Negative Pin
- H090104** 2.7mm Pre-Drill For 3.2mm Shank Negative Pin
- H090106L** 3.5mm Pre-Drill For 4.0mm Shank Negative Pin

Drill Stops



Drilling to a pre-measured depth can be a challenge even with a 'C' arm! A more reasonably priced option is to use a drill stop which is tightened onto the drill bit at the required depth. The Set includes 4 Stops to cover all the standard drill sizes. 2.0mm, 2.5mm, 2.7mm, 3.2mm, 3.5mm & 4.5mm. The stop is tightened onto the drill bit using the hex driver provided.

DRILLSTOP Drill Stop Set In Stainless Case



To keep up to date with all the latest updates, new products and offers at Vi, please register for our newsletter by scanning the QR code below.



Wires & Pins

Wires are simple, but versatile implants. Our specially selected stainless steel wires are both very hard & very stiff improving their driving characteristics & performance in situ.

Cutting with sufficiently robust implant cutters with hard jaws is obligatory.

These wires will damage cutters with stainless steel edges, eg: combined wire twisters/shear cutters.

Arthrodesis Wire 125mm Long

Rather like small Intra-medullary Pins, Arthrodesis Wires have trochar points at each end.

They are used for the fixation of small bone fragments, produced either electively or as a result of trauma, e.g. distal femoral fractures, tibial crest transplants & femoral neck fractures. 125mm Long. Supplied in packs of ten.

090054	0.8mm	
090020	0.9mm	0.035"
090060	1.0mm	
090021	1.1mm	0.045"
090061	1.25mm	
090024	1.4mm	
090062	1.5mm	
090022	1.6mm	0.0625"
090026	1.8mm	0.0715"
090023	2.0mm	0.08"
090025S	Pack of mixed Arthrodesis Wires	

Arthrodesis Wire 178mm Long (Extra Long)

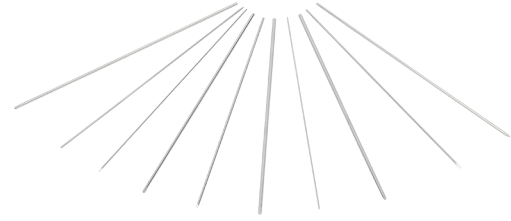
090064	0.9mm
090065	1.1mm
090066	1.4mm
090067	1.6mm
090068	1.8mm
090069	2.0mm

Arthrodesis Wire Extra Fine 70mm Long

Arthrodesis Wires - Extra Fine. 70mm long with one trochar end & one blunt end. Useful for exotics. Supplied in packs of ten.

090056	0.6mm
090055	0.7mm

Kirschner Wire 125mm Long



One tip bayonet, the other blunt, these Pins are supplied in packs of ten. 125mm Long.

090030	0.9mm	0.035"
090070	1.0mm	
090031	1.1mm	0.045"
090071	1.25mm	
090034	1.4mm	
090072	1.5mm	
090032	1.6mm	0.0625"
090073	1.8mm	0.0715"
090033	2.0mm	0.08"
090030/3M	Pack of mixed Kirschner Wires	

Kirschner Wire 178mm Long (Extra Long)

One tip bayonet, the other blunt, these Pins are supplied in packs of ten. 178mm Long. Extra long.

090074	0.9mm	0.035"
090075	1.1mm	0.045"
090076	1.4mm	
090077	1.6mm	0.0625"
090078	1.8mm	0.0715"
090079	2.0mm	0.08"

Rush Pins

We stock Rush Pins in 2.4mm (3/32") & 3.2(1/8") diameters. Lengths vary from 25mm (1") to 100mm (4").



090141	Rush Pin 2.4mm (3/32")	1.25" Long
090142	Rush Pin 2.4mm (3/32")	1.5" Long
090143	Rush Pin 2.4mm (3/32")	1.75" Long
090144	Rush Pin 2.4mm (3/32")	2" Long
090145	Rush Pin 2.4mm (3/32")	2.25" Long
090146	Rush Pin 2.4mm (3/32")	2.5" Long
090147	Rush Pin 2.4mm (3/32")	2.75" Long
090148	Rush Pin 2.4mm (3/32")	3" Long
090149	Rush Pin 2.4mm (3/32")	3.25" Long
090150	Rush Pin 2.4mm (3/32")	3.5" Long
090151	Rush Pin 2.4mm (3/32")	3.75" Long
090152	Rush Pin 2.4mm (3/32")	4" Long
090200	Rush Pin 3.2mm (1/8")	1" Long
090201	Rush Pin 3.2mm (1/8")	1.25" Long
090202	Rush Pin 3.2mm (1/8")	1.5" Long
090203	Rush Pin 3.2mm (1/8")	1.75" Long
090204	Rush Pin 3.2mm (1/8")	2" Long
090205	Rush Pin 3.2mm (1/8")	2.25" Long
090207	Rush Pin 3.2mm (1/8")	2.75" Long
090208	Rush Pin 3.2mm (1/8")	3" Long
090209	Rush Pin 3.2mm (1/8")	3.25" Long
090210	Rush Pin 3.2mm (1/8")	3.5" Long
090211	Rush Pin 3.2mm (1/8")	3.75" Long
090212	Rush Pin 3.2mm (1/8")	4" Long

Threaded Pins & Wires

Threaded Wires have a much greater pull out resistance than smooth wires. They are very easy to insert using Standard Drills fitted with Jacobs Chucks or Wire Drivers. Although having only trochar tips they will self tap in all but the hardest of cortical bone. Driven across fragments, threaded wires act as mini position screws which can be cut off flush to the bone surface or buried. It may be possible to place several Threaded Wires at angles to each other in a relatively small area.

Available in Coarse or Fine Thread pitches. Use the coarse in cancellous or metaphyseal bone.

Coarse Threaded Small Fragment Pins



Use Threaded Pins where you might use a 2mm fixation screw or 'K' Wire, e.g. tibial crest transplant. Drive in with slow speed drill. Relatively coarse threads. 0.8mm thread pitch.

090036	Threaded Pins 5mm Thread Single
090037	Threaded Pins 10mm Thread Single
090027	Threaded Pins 15mm Thread Single
090028	Threaded Pins 20mm Thread Single

Fine Threaded Small Fragment Pins

2.0mm

Use singly to re-attach small bone fragments. Use in multiples to re-attach larger fragments e.g. humeral condyles. (4 x 2.0 Threaded Pins have similar properties to one 3.5 Screw while interfering less with the healing process). Use Threaded Washer to create screw effect. Very easy to insert using an orthopaedic drill.

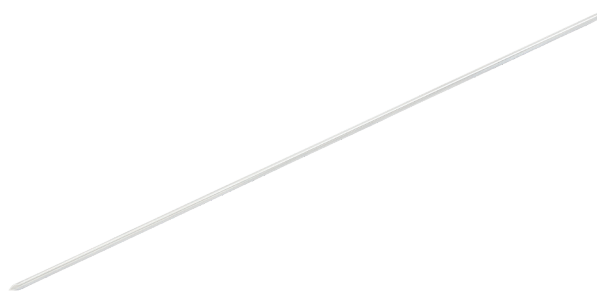
Thread pitch is 0.4mm for use in cortical bone. Self drilling. Cut off excess pin. For maximum pull out resistance drill through trans cortex & cut off trochar cutting tip.

090300	Fine Threaded Washer 5.0mm Diameter	Single
090305	Fine Threaded Pin 5mm Thread Length	Single
090310	Fine Threaded Pin 10mm Thread Length	Single
090315	Fine Threaded Pin 15mm Thread Length	Single
090320	Fine Threaded Pin 20mm Thread Length	Single
090325	Fine Threaded Pin 25mm Thread Length	Single
090330	Fine Threaded Pin 30mm Thread Length	Single
090340	Fine Threaded Pin 40mm Thread Length	Single
0903111	Fine Threaded Pin Set 5 Of Each Pin Plus 5 Washers In Stainless Case	

Steinman Intra-Medullary Pins

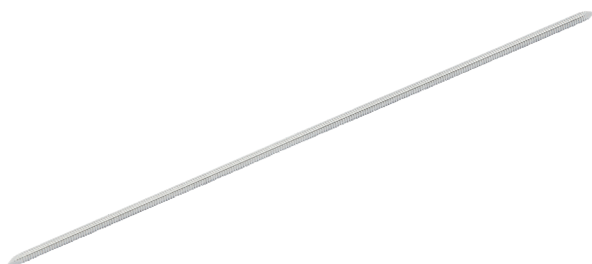
Simple, cheap & often the best technique for the repair of long bones. I/M pinning does not resist compression & rotation very effectively. It may be helpful to add an external fixator for two weeks if in any doubt. Smooth Pins are most likely to migrate. The Threaded Pins are negatively cut & do reduce backing out particularly if the distal fragment is small.

Our Trochar tips are designed to cut bone but care must be exercised to avoid heat necrosis during insertion. Can be cut in half to produce cheap ESF pins. Most Pin Chucks will only take 1/4" pins.* Do not purchase a 5/16" Pin unless you have a Chuck to insert it. Use 1.0mm wire minimum as a cerclage.



090000	1.6mm Bone Pin Trochar 300mm	1/16"
090001	2.0mm Bone Pin Trochar 300mm	5/64"
090002	2.4mm Bone Pin Trochar 300mm	3/32"
090003	2.8mm Bone Pin Trochar 300mm	7/64"
090004	3.2mm Bone Pin Trochar 300mm	1/8"
090005	3.5mm Bone Pin Trochar 300mm	9/64"
090006	4.0mm Bone Pin Trochar 300mm	5/32"
090007	4.8mm Bone Pin Trochar 300mm	3/16"
090153	6mm Bone Pin Trochar 300mm	15/64"
090008	6.35mm Bone Pin Trochar 30mm	1/4"
090010	1.6mm Bone Pin Screw End 300mm	1/16"
090011	2.0mm Bone Pin Screw End 300mm	5/64"
090012	2.4mm Bone Pin Screw End 300mm	3/32"
090013	2.8mm Bone Pin Screw End 300mm	7/64"
090014	3.2mm Bone Pin Screw End 300mm	1/8"
090015	3.5mm Bone Pin Screw End 300mm	9/64"
090016	4.0mm Bone Pin Screw End 300mm	5/32"
090017	4.8mm Bone Pin Screw End 300mm	3/16"
090154	5.6mm Bone Pin Screw End 300mm	7/32"
090018	6.35mm Bone Pin Screw End 300mm	1/4"

Fully Threaded Arthrodesis Wires



090092	Fully Threaded Wire Single 1.0
090093	Fully Threaded Wire Single 1.5
090094	Fully Threaded Wire Single 2.0

Wire & Pin Storage Arthrodesis Wire Box



Box will store all diameters of Arthrodesis & 'K' Wires in four compartments.

- 001124 Stainless Box For Arthrodesis & 'K' Wires
- 0900200 Arthrodesis & 'K' Wire Organiser Plastic (Autoclavable)

'A' Wire/'K' Wire Holders for 5"/125mm Wires



The simplest solution for storing 'A'/'K' wires is to have a tube dedicated for each size marked clearly with the diameter. There is no possibility for confusion. Each tube is 165mm long & 12mm diameter & will take any wire less than 150mm in length.

- 0900390.8 0.8mm Arthrodesis Wire/'K' Wire Holder
- 0900390.9 0.9mm Arthrodesis Wire/'K' Wire Holder
- 0900391.0 1.0mm Arthrodesis Wire/'K' Wire Holder
- 0900391.1 1.1mm Arthrodesis Wire/'K' Wire Holder
- 0900391.2 1.25mm Arthrodesis Wire/'K' Wire Holder
- 0900391.4 1.4mm Arthrodesis Wire/'K' Wire Holder
- 0900391.5 1.5mm Arthrodesis Wire/'K' Wire Holder
- 0900391.6 1.6mm Arthrodesis Wire/'K' Wire Holder
- 0900391.8 1.8mm Arthrodesis Wire/'K' Wire Holder
- 0900392.0 2.0mm Arthrodesis Wire/'K' Wire Holder
- 090039SET Arthrodesis Wire/'K' Wire Holder Set (10)

'A' Wire/ 'K' Wire Dispenser



The Tube is sub divided into four sections each of which has a window through which the Wires may be viewed. The knurled dispensing tip is rotated until the hole is over the desired wire size & the Wire shaken out. Total length 175mm. For Wires 125mm. Marked with the standard sizes of 0.9mm, 1.1mm, 1.6mm & 2.0mm.

- 090039E A' Wire/'K' Wire Dispenser 0.9mm, 1.1mm, 1.6mm & 2.0mm

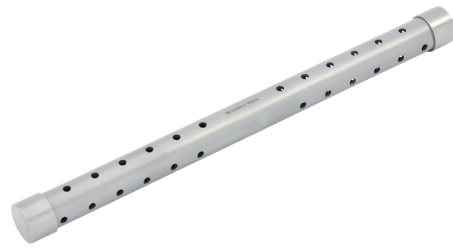
Bone Pin Roll



Bone Pin storage & sterilisation is difficult. Pins are long & sharp. The Bone Pin Roll stores at least one of each Pin. An added advantage is that the pins do not penetrate sterilisation bags.

- 090038 Bone Pin Roll

Bone Pin Tubes



- 090039A I/M Pin Storage/Autoclave Tube 320mm
- 090039C I/M Pin Storage/Autoclave Tube 255mm

IM Pin Box



Keep all your 300mm IM Pins arranged & in size order safely within our IM pin box. The hard box will reduce the chance of personal injury & the risks of perforating packaging.

The Box is fully autoclavable, but also makes an excellent stock-box. At a glance you can quickly see how many of each size pin it is holding. The box features a platform with a clearly marked metric & imperial pin gauge to make it very user friendly.

The Pin sizes are, 1.6mm, 2.0mm, 2.4mm, 2.8mm, 3.2mm, 3.6mm, 4.0mm, 4.8mm & 6.35mm. Box external dimensions 308 x 138 x 64mm.

- IMPBOX01 IM Pin Box With Insert - Supplied Empty
- IMPBOXTRO IM Pin Box Complete With Steinman Pins Trochar Tips
- IMPBOXSCR IM Pin Box Complete With Steinman Pins Screw Point Tips

Orthopaedic Wire



Cerclage Wire is an extremely useful method of fragment fixation. Use as thick a Wire as seems possible. Twist evenly under tension. The best instrument is our Wire Twister/Cutter 001260. Minimise wire movement on periosteum. Tension wire banding should be performed where muscular forces must be transferred beyond a fracture or osteotomy, e.g. Tibial crest avulsion or trochanteric osteotomy. 1.0mm Wire is the most useful for mid-sized dogs. All are supplied in 10 metre rolls.

(diameter in mm)

OW0210	0.2
OW0310	0.3
OW0410	0.4
OW0510	0.5
OW0610	0.6
OW0710	0.71
OW0810	0.8
OW0910	0.9
OW1010	1.0
OW1012	1.2
OW1015	1.5



For convenience & identification rolls of Orthopaedic Wire can be marked with Padlock Security Tags. This also has the added advantage of stopping rolls of wire unraveling in the operating theatre.

Wire Twister/Shear Cutter



- Jaws lock onto wire to enable easy twisting under tension for kink-free cerclage. The wire must be twisted under tension to create an even spiral
- Improved design, long life shear action cutter will cut 18 gauge (1.2mm) wire twisted double
- Serrated jaws grip & turn cut ends. Jaws have fenestration for extra grip
- Not designed to cut 'A' + 'K' Wires, Pins or fish hooks
- Available with Tungsten Carbide Jaws for extra grip (not fenestrated)

001260	Wire Twister/Shear Cutter 165mm Long
001261	Wire Twister/Shear Cutter - Tungsten Carbide Jaws 165mm Long

Wires With Eyelet

The free end of the wire is threaded through the eye. The cerclage is tightened using the special tightener. Requires a device for tightening Eyed Wires, see 001262 & 001264

CWWE22	Orthopaedic Wire With Eyelet 22g x 12" (6 Pack)
CWWE20	Orthopaedic Wire With Eyelet 20g x 12" (6 Pack)
CWWE18	Orthopaedic Wire With Eyelet 18g x 12" (6 Pack)

Wire Tighteners

Wire Tightener For Eyed Wires



Used to tension eyed wires very tightly. The cerclage is finished by kinking the wire back against the eye.

001262	Wire Loop Tightener 125mm Long
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Wire Tightener With Two Cranks For Double Loop Cerclage & Eyed Wire



Use with single crank for eyelet wires. Use both cranks to tighten double loops.

001264	Wire Tightener With Two Cranks 285mm Long
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Drill Guides & Sleeves

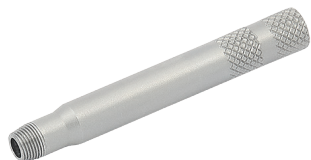
Universal Drill Guides



- UDG15 – Universal Drill Guide for 1.5mm screws
- UDG20 – Universal Drill Guide for 2.0mm screws
- For Load & Neutral positioning of Ø1.5mm Drills & tissue protector for Ø2.0mm Tap
- UDG24 – Universal Drill Guide for 2.4mm screws
- For Load & Neutral positioning of Ø1.8mm Drills & tissue protector for Ø2.4mm Tap
- UDG27 – Universal Drill Guide for 2.7mm screws
- For Load & Neutral positioning of Ø2.0mm Drills & tissue protector for Ø2.7mm Tap
- UDG35 – Universal Drill Guide for 3.5mm screws
- For Load & Neutral positioning of Ø2.5mm Drills & tissue protector for Ø3.5mm Tap

- UDG15** Universal Drill Guide For 1.5mm Screws
- UDG20** Universal Drill Guide For 2.0mm Screws
- UDG24** Universal Drill Guide For 2.4mm Screws
- UDG27** Universal Drill Guide For 2.7mm Screws
- UDG35** Universal Drill Guide For 3.5mm Screws

Locking Screw Drill Guides



- LSDG15** Locking Screw Drill Guide For 1.5mm
- LSDG20** Locking Screw Drill Guide For 2.0mm
- LSDG2424** Locking Screw Drill Guide For 2.4mm
- LSDG2724** Locking Screw Drill Guide For 2.7mm (2.4mm Head)
- LSDG35** Locking Screw Drill Guide For 3.5mm
- LSDG2724XL** Locking Screw Drill Guide For 2.7mm (2.4mm Head) Extra Long
- LSDG35XL** Locking Screw Drill Guide For 3.5mm Extra Long

Locking Wire Guide



Screws into the locking plate to allow placement of a K Wire for temporary fixation of the plate to the bone. May also be used to facilitate plate manipulation during MIPO application.

- L20W11G** Locking 2.0mm Wire 1.1mm Guide
- L24W14G** Locking 2.4mm Wire 1.4mm Guide
- L27W16G** Locking 2.7mm Wire 1.6mm Guide
- L35W20G** Locking 3.5mm Wire 2.0mm Guide

Load Neutral Drill Guides



To exert compression at the fracture site, the cortical screw must be positioned precisely within the slot in the compression plate. The Load Neutral Drill Guide has two tips, one for compression (load) & one where no compression is exerted (neutral). There is one combination for each screw/plate size. Each guide is marked with the drill size to be used.

- LNDG15** For 1.5mm Compression Plates
- LNDG20** For 2.0mm Compression Plates
- LNDG24** For 2.4mm Compression Plates
- LNDG27** For 2.7mm Compression Plates
- LNDG35** For 3.5mm Compression Plates
- LNDG45** For 4.5mm Compression Plates
- LNDG55** For 5.5mm Compression Plates

Insert Sleeves



Drill Sleeves centre smaller drills in the placement of lag screws.

- SL2015** Insert Sleeve 2.0mm o/d 1.5mm i/d
- SL2418** Insert Sleeve 2.4mm o/d 1.8mm i/d
- SL2720** Insert Sleeve 2.7mm o/d 2.0mm i/d
- SL3520** Insert Sleeve 3.5mm o/d 2.0mm i/d
- SL3525** Insert Sleeve 3.5mm o/d 2.5mm i/d
- SL3527** Insert Sleeve 3.5mm o/d 2.7mm i/d
- SL4532** Insert Sleeve 4.5mm o/d 3.2mm i/d
- SL5540** Insert Sleeve 5.5mm o/d 4.0mm i/d
- SL6545** Insert Sleeve 6.5mm o/d 4.5mm i/d

Tissue Protection Sleeves



Rotating pins, drills & taps will “pick up” soft tissues, skin, muscle, nerve & blood vessels, causing serious damage. Use of tissue protection sleeves minimises such damage. The teeth at the top of the guide locate on the bone whilst the stainless tube provides a barrier between soft tissue & implant equipment.

- TP2020** For Drill/Taps To 2.0mm 90mm
- TP0024** For Drill/Taps To 2.4mm 90mm
- TP0027** For Drill/Taps To 2.7mm 90mm
- TP0035** For Drill/Taps To 3.5mm 90mm
- TP0045** For Drill/Taps To 4.5mm 90mm

Drill Guide 0.7/1.0mm



Due to the size limitations, this device serves only as a drill guide & cannot be used as an insert sleeve or tap guide.

CDTIS10 Drill Guide 0.7mm/1.0mm

Adjustable Drill Guide



Our Adjustable Drill Guide allows accurate placement of drill holes by predetermination of drill entry & exit points. Locks onto bone to minimise errors.

- The swivelling point allows use of the guide where access is limited
- Supplied with 2.0, 2.5 & 3.5 Drill Sleeves. Use the appropriate Sleeve for the Drill in use
- A scale on the instrument measures hole depth
- Applications include condyle fractures, femoral neck tunnels, screw holes, & ununited anconeal process

In our view this design has significant advantages over 'CEG' & 'C' guides

ADJDG2035 Adjustable Drill Guide For 2.0mm/2.5mm/3.5mm Drills 175mm

ADJDG45 Adjustable Drill Guide 4.5mm Drills 190mm

C Drill Guide



Use of an appropriate sized Drill Guide enables the surgeon to control exactly the entry & exit points of drills. This ability is extremely important in lag screwing.

Various Insert Sleeves are available for each drill size, with an accurate guidance system, & provide exact positioning of holes for lag screwing, (e.g. for a 3.5mm Cortical Screw, Drill 3.5 lag hole in proximal cortex, insert SL3525 & drill through it into the trans cortex. Finally tap & insert Screw.)

CEG2735 Small Drill Guide i/d 3.5mm 'C' Guide 135mm

Triple Drill Guides



Triple Drill Guides are used to accurately position drills & 'K' or arthrodesis wires. The three holes in the head allow for the placement of parallel anti-rotation wires.

SLG1115 Double Drill Guide/Sleeve For 1.1mm & 1.5mm Drills 100mm

SLG0020 Triple Drill Guide/Sleeve For 2.0mm Drills 115mm

SLG0025 Triple Drill Guide/Sleeve For 2.5mm Drills 115mm

Self-Centring Drill Guides



Whether it be for external fixation or screw application, it is desirable for implants to be positioned fairly centrally into bones. Sized for the most popular drill-bits, these devices will help achieve accurate positioning of pilot holes.

CDG11 Self-Centring Drill-Guide For Ø1.1mm Drill 10mm Spread

CDG15 Self-Centring Drill-Guide For Ø1.5mm Drill 12mm Spread

CDG20 Self-Centring Drill-Guide For Ø2.0mm Drill 14mm Spread

CDG25 Self-Centring Drill-Guide For Ø2.5mm Drill 18mm Spread

CDG32 Self-Centring Drill-Guide For Ø3.2mm Drill 23mm Spread

CDGSET Set Of 5 Self-Centring Drill-Guides

Combination Drill, Tap & Insert Sleeve



The large end has an internal diameter which matches the clearance drill & tap. The small end has an internal diameter the same as the pilot drill & an external diameter which fits the clearance drill hole, i.e. the same as an insert sleeve. This single instrument contains all the guides & sleeves you need to place a lag screw.

CDTIS20 Combination Drill, Tap & Insert Sleeve for 2.0 Screws 100mm

CDTIS24 Combination Drill, Tap & Insert Sleeve for 2.4 Screws 105mm

CDTIS27 Combination Drill, Tap & Insert Sleeve for 2.7 Screws 110mm

CDTIS35 Combination Drill, Tap & Insert Sleeve for 3.5 Screws 115mm

CDTIS45 Combination Drill, Tap & Insert Sleeve for 4.5 Screws 130mm

Depth Gauges

Depth Gauge



Accurate measurement of hole depth is essential in order to select the appropriate screw size.

A range of Gauges are available for various screw sizes. Hole depth is read from the instrument. Add extra to the measured length to ensure maximal screw thread/bone interface engagement.

See chart for additional amount required. Chart supplied with depth gauge or available on request. Use in Self-tapping or Cortical Systems.

- DG2027** Depth Gauge For 2.0mm & 2.7mm Screws 135mm
- DG242735** Depth Gauge For 2.4mm, 2.7mm & 3.5mm Screws 180mm
- DG2735** Depth Gauge For 2.7mm & 3.5mm Screws 175mm
- DG4565** Depth Gauge For 4.5mm & 6.5mm Screws 290mm

Premium Depth Gauge



Radius matches screw under-head to replicate screw position in 1.5mm plates/holes. Improved hook. Contoured comfortable grip for ease of use. Store in fully retracted state to protect the delicate probe section.

- DGP15** Premium Depth Gauge For 1.5mm Screws
- DGP2024** Premium Depth Gauge For 2.0/2.4mm Screws
- DGP2735** Depth Gauge For 2.7/3.5mm Screws

Bone Plate Contouring

Bone Plate Bending Levers



Bone plates appropriate for the repair of load bearing long bones are very stiff. Accurate contouring of plates is essential for precise fracture reduction; however marking of plates during the bending process will lead to reduced fatigue strength.

Contoured plates should be placed with adequate support to minimise cyclical loading.

Extra length benders 01288L are particularly useful for contouring larger TPLO plates along with 3.5 & 4.5 standard plates.

Bone plate benders used in pairs are the most economic method of plate contouring.

- 001280** 1.0mm Bending Levers (Pair) 130mm Long
- 001286** AO Type 1.5mm/2.0mm Bending Levers (Pair) 130mm Long
- 001285** AO Type 2.4mm Bending Levers (Pair) 140mm Long
- 001287** AO Type 2.7mm/3.5mm Bending Levers (Pair) 175mm Long
- 001288** AO Type 3.5mm/4.5mm Broad Bending Levers (Pair) 200mm Long
- 001288L** 3.5/4.5 Extra Long Bending Levers 240mm Long

Delta TPLO Plate Benders With Curved Slots



Plate benders with slots tend to distort the Delta plate.

The curved slots help grip & support the plate during the bending process. In addition the plate is much less likely to end up on the floor.

- TPLODELBEND** Delta TPLO Plate Benders (Pair) 230mm Long

Reconstruction Plate Pliers



- 001284A** Reconstruction Plate Pliers For 2.7mm Plates 280mm Long
- 001284** Reconstruction Plate Pliers For 3.5mm Plates 290mm Long

Plate Bending Pliers - Roller Type



001283SMALL Plate Bending Pliers Roller Type 230mm Long
Suitable For 3.5mm Plates

001283 Plate Bending Pliers Roller Type 15" 380mm Long
Suitable For 3.5mm & 4.5mm Plates

Bone Plate Press

001281 Bone Plate Press Small 285mm Long For Plates Up To & Including
4.5mm Narrow

001282 Bone Plate Press Large 16" 410mm Long For All Plates

Tips on the use of the Plate Press

- The press works at maximum efficiency when the handle is approx. parallel with the base. Make sure the press is on a stable firm surface
- Place the plate to be contoured in between the anvils
- Adjust the gap between the anvils using the screw until the handle is parallel with the base
- Pressure on the handle will bend the plate
- Readjust the press using the screw to bring the handle parallel once again
- Contouring the plate should be accomplished using several small adjustments rather than one big one

Please check the press selected will fit your autoclave before purchase

AO Type Plate Bending Pliers



These Pliers will contour 2.7mm & 3.5mm narrow plates. 3.5mm DCP's will require multiple small bends. Also useful for bending guide pins in the Slocum TPLO technique.

001289A AO Plate Bending Pliers 2.0mm/2.7mm

001289B AO Plate Bending Pliers 2.7mm/3.5mm

Heavy Duty Bone Plate Pliers To 4.5mm



The largest Bone Plate Pliers in the range, these will contour all plates other than the 4.5mm broad.

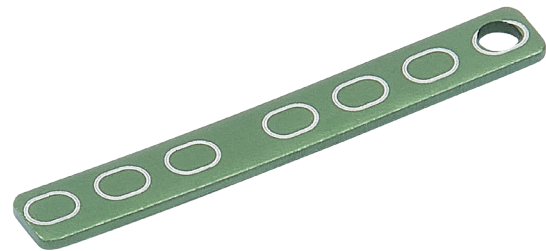
The bending head has 3 interchangeable anvils & the 'hammer' side has 3 different shapes which rotate. This offers the surgeon 6 different contouring options to match different plates & different shapes.

001289C Heavy Duty Plate Bending Pliers

001289SA Small Anvil For 2.7mm Plates (For Existing Users)

Bending Templates

To avoid repeated entry into the operation site when contouring plates, an 'aluminium' bending template is contoured to the bone. The steel plate is then bent to match the template using irons or a bone plate press.



BT200737 Bending Template 37mm For 2.0mm DCPs & Round Hole Plates

BT240752 Bending Template 52mm For 2.4mm DCPs & Round Hole Plates

BT270760 Bending Template 60mm For 2.7mm DCPs & Round Hole Plates

BT350786 Bending Template 86mm For 3.5mm DCPs & Round Hole Plates

BT450590 Bending Template 90mm For 4.5mm DCPs Broad 3.5mm DCPs & HD & Round Hole Plates

BT4507120 Bending Template 120mm For 4.5mm DCPs & Broad 3.5mm DCPs & HD & Round Hole Plates

BT4509150 Bending Template 150mm For 4.5mm DCPs Broad 3.5mm DCPs & HD & Round Hole Plates

BT152700 Bending Template For 2.0mm Supracondylar Plate

BT152711 Bending Template For 2.4mm Supracondylar Plate

BT152714 Bending Template For 2.7mm Supracondylar Plate

BT152717 Bending Template For 3.5mm Supracondylar Plate

Whiting Bone Plate Retractor



Developed by Colin Whiting the Bone Plate Retractor is designed to expose the end hole(s) of the plate for screw placement. It is often the case that a plate is pushed under soft tissues to avoid unnecessarily large exposures only to find that it is very difficult to access the last screw hole. The bone plate lever slides along the plate until the tip drops over the end. The handle is then elevated & the tip of the lever hooks onto the end of the plate. As the retractor is lifted the end hole of the plate is exposed allowing free insertion of drills taps & screws.

- BPR3535** Whiting Bone Plate Retractor 3.5/3.5mm Broad
- BPR2427** Whiting Bone Plate Retractor 2.4/2.7mm
- BPRSET** Whiting Bone Plate Retractor Set

Plate Holding Clip



A useful little clip for holding plates in sequence. Labelled with size.

- BPC2** Plate Holding Clip 2.0mm
- BPC24** Plate Holding Clip 2.4mm
- BPC27** Plate Holding Clip 2.7mm
- BPC35** Plate Holding Clip 3.5mm

Screw Holding Forceps



A useful instrument for selecting screws with minimal handling. Can be used with any style of screw.

- SF1024** Screw Holding Forceps 1.0/1.5/2.0/2.4mm Screws
- SF2055** Screw Holding Forceps 2.4/2.7/3.5/4.5mm Screws

Webb Bolts



Use where a lag screw strips out. Supplied as a Threaded Rod, two Nuts & two Washers.

Pre-measure & cut to length or crop after procedure. Saw cut or bolt cutting will prevent loosening of the nut on the cut side.

Run a fine nylon suture through the nut prior to attachment to create a locking effect.

4mm Webb Bolt requires a 7mm Spanner (001566) 5mm Webb Bolt requires a 8mm Spanner (001565)

5mm Webb Bolt use 5.5mm Drill H090109S

4mm Webb Bolt use 4.0mm Drill H090107S

3mm Webb Bolt use 3.2mm Drill H090105S

2mm Webb Bolt use 2.0mm Drill H090102

092000	Webb Bolt 4mm/8cm	Drill 4.0mm
092001	Webb Bolt 3mm/8cm	Drill 3.2mm
092002	Webb Bolt 2mm/5cm	Drill 2.0mm

Cortical Nuts



Occasionally tapped threads strip & a larger screw is appropriate. Lag screws are particularly vulnerable as only one cortex is available.

A Cortical Nut manufactured from implant grade nylon gives the screw purchase allowing normal tightening. The thread form is designed to grip the screw to minimise 'backing out'.

Available in 2.0mm, 2.4mm, 2.7mm, 3.5mm & 4.5mm cortical thread forms. Supplied as a single sterile pack. The Cortical Nuts are also available in Stainless Steel.

N20	2.0mm Cortical Nut Stainless Steel (Non Sterile)
N24	2.4mm Cortical Nut Stainless Steel (Non Sterile)
N27	2.7mm Cortical Nut Stainless Steel (Non Sterile)
N35	3.5mm Cortical Nut Stainless Steel (Non Sterile)
N45	4.5mm Cortical Nut Stainless Steel (Non Sterile)
CN20-A	2.0mm Cortical Nut (Sterile)
CN24-A	2.4mm Cortical Nut (Sterile)
CN27-A	2.7mm Cortical Nut (Sterile)
CN35-A	3.5mm Cortical Nut (Sterile)
CN45-A	4.5mm Cortical Nut (Sterile)

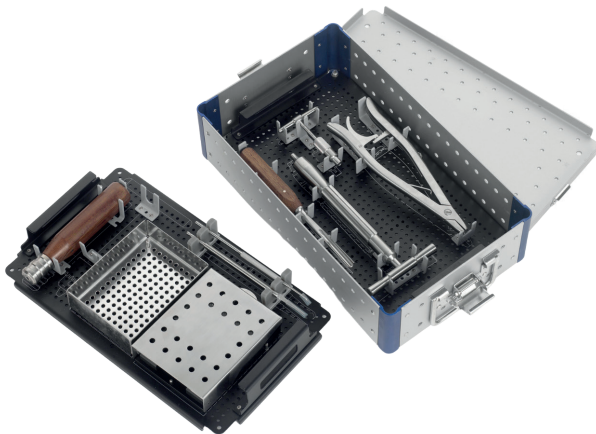
Washers



Use to spread load or retain wire or sutures. Use with Cortical or Self Tapping Screws. Spikey washers are used to reattach ligaments.

PW15	Plain Washer 1.5mm Screws Stainless
PW20	Plain Washer 2.0mm/1.5mm Screws Stainless
PW20B	Plain Washer 2.0mm Screws Broad 6mm Diameter
PW24	Plain Washer 2.4mm Screws Stainless
PW24TI	Plain Washer 2.4mm Screws Titanium
PW273540	Plain Washer 2.7mm/3.5/4.0mm Screws Stainless 7.0mm Dia
PW273540B	Plain Washer 2.7mm/3.5mm/4.0mm Screws Stainless 8.5mm Dia
PW45	Plain Washer 4.5mm Screws Stainless
SW15	Spikey Washer 1.5mm Screws Stainless
SW20	Spikey Washer 2.0mm Screws Stainless
SW27	Spikey Washer 2.7mm Screws Stainless
SW3540	Spikey Washer 3.5mm/4.0mm Screws Stainless
SW45	Spikey Washer 4.5mm Screws Stainless

Screw Salvage Kit



Removal of embedded screws can be a challenge particularly when fatigue & fracture leaves a headless portion of screw in situ exactly where a replacement is necessary. Ideally the screw should be removed without creating so much damage that a replacement cannot be set. The VI Screw Salvage Set contains all the tools you might need for 3.5, 4.0, 4.5 & 6.5mm screws. 2.7mm can also be extracted but resulting hole is large.

SCSKIT Full Screw Salvage Kit

Screw Extraction Trephine



Once the head of a screw has become detached the shaft can be very difficult to extract, particularly when the screw has been in situ for some time. The Screw Extraction Trephine is designed to 'core out' the screw shaft either in its entirety or partially to allow the screw to be grasped by extraction forceps. The internal diameter is a little larger than the screw to be extracted. The external diameter is small enough in most cases to allow the replacement of the screw by a larger one. The Trephine fits directly into a Jacobs Chuck.

- SCET20** Extraction Trephine For 2.0mm Screws o/d 2.7mm
- SCET24** Extraction Trephine For 2.4mm Screws o/d 3.5mm
- SCET27** Extraction Trephine For 2.7mm Screws o/d 3.5mm
- SCET35** Extraction Trephine For 3.5mm Screws o/d 4.5mm
- SCET45** Extraction Trephine For 4.5mm Screws o/d 5.5mm

Equipment & Screw Boxes
AO Screw/Equipment Boxes



Box featured BX20CS
Please note design may vary with size of implant

- BX24CS** Box for 2.4mm AO Screws & Equipment
- BX2735CS** Box for 2.7mm/3.5mm AO Screws & Equipment

Screw Boxes For AO Type Screws &/Or Locking Screws



Please note design may vary with size of implant

- SH1500** Screw Box 1.5mm AO Type Screws &/Or Locking Screws (All Lengths)
- SH2000** Screw Box 2.0mm AO Type Screws &/Or Locking Screws (All Lengths)
- SH2400** Screw Box 2.4mm AO Type Screws &/Or Locking Screws (All Lengths)
- SH2700** Screw Box 2.7mm AO Type Screws &/Or Locking Screws (All Lengths)
- SH2735** Screw Box 2.7mm & 3.5mm AO Type Screws &/Or Locking Screws (All Lengths Of 2.7mm & All Lengths Of 3.5mm Up To 50mm)
- SH3500** Screw Box 3.5mm AO Type Screws &/Or Locking Screws (Up To 50mm)
- SH4500** Screw Box For 4.5mm AO Type Screws (Even Number Lengths From 12-50mm)



External Fixation

External Skeletal Fixation (ESF) is an excellent technique for fracture & osteotomy stabilisation & repair. It can be used for long bone fractures, spinal fractures & luxations, trans-articular immobilisation for joint instability, arthrodesis, angular limb deformity correction, & limb lengthening (distraction osteogenesis).

ESF has a number of advantages compared to internal fixation, & is applicable in many fracture scenarios. Advantages include:

- Compared to internal fixation, ESF are more straightforward to apply for the inexperienced surgeon.
 - Limb use & joint mobility are maintained.
 - ESFs are well tolerated by most patients.
- Compared to internal fixation, there is relatively low set-up & implant costs & many components are re-usable i.e. the connecting bars & clamps.
- ESFs are modular, versatile & adaptable which makes them applicable & bespoke to a diverse range of applications.
- ESFs are particularly useful in the management of fracture instabilities when there are open wounds, or in the presence of infection.
- ESFs can be applied using minimally invasive or closed surgical techniques, which preserves the biology of the fracture site that should optimise bone healing.

There are four types of ESF: linear, free-form, circle, & hybrid.

Linear ESFs have three basic components i.e. the pins, clamps & connecting bars. Internally, the pins penetrate the skin & fixate the bone. Externally, the pins are secured to the connecting bar by clamps. The connecting bars give the ESF frame its length & structural rigidity.

Single clamps attach the ESF pins to the connecting bars. Double clamps allow two connecting bars to be attached together; this is useful when building a type IB or type III ESF frame, or a transarticular fixator. Note that two spanners are required when using Double clamps.

Linear ESF is readily available and the most widely used system as it is the simplest & easiest type of ESF to learn to use & apply. Numerous different linear ESF systems exist.

For a full explanation of ESF application including how to plan & perform ESF application correctly, please refer to the our step-by-step guide for ESFs. In short, rules of linear ESF application include:

- **Place 4 pins per bone segment**; absolute minimum is 2 pins per bone segment.
- **Pin diameter should be about 25% bone diameter** at the point of insertion. Smaller pins are weaker resulting in a less stiff frame, but larger pins make a bigger hole in the bone & increase the risk of bone fracture. Particular care needs to be taken in certain bones such as the radius, where the cranio-caudal thickness is much less than the medio-lateral width.
- **Use threaded pins.** Threaded pins have pull-out resistance 10 times higher than smooth (trochar) pins. Threaded pins can be placed at any angle relative to the long bone but smooth pins should be placed at diverging angles to increase pull-out resistance; an angle of 70° to the long axis of the bone is recommended for smooth pins.
- **50% bone diameter** is the minimum distance between a pin & the fracture, or a pin & the end of the bone.
 - **Pre-drill the pin tract** with a drill bit 10% smaller than the pin, prior to pin placement.
 - **Use the far-near-near-far principle** i.e. place pins as near, & as far away, from the fracture as possible.
- **Place the connecting bar 1cm or a finger's width away from the skin** to maximise frame stiffness but allow for soft tissue swelling.



To view the External Fixation section of our website, simply scan the QR code:



Pin Reference Chart		Bar Diameter	Small 3.2mm 1/8"	Medium 4.8mm 3/16"	Large 8mm 5/16"	Mini 3.2mm 1/8"	Small 6.3mm 1/4"	Large 9.5mm 1/3"
		Clamp Style	KE Plus	KE Plus	KE Plus	Standard SF	Standard SF	Standard SF
Code	Shaft Diameter							
Positive Threaded Pins - End Thread								
CET0018	1.6mm Shank 2.0mm Thread Predrill 1.5mm H090101		●	●		●		
CET0019	2.0mm Shank 2.4mm Thread Predrill 1.9mm H090202		●	●		●	●	
CET0020	2.4mm Shank 3.2mm Thread Predrill 2.3mm H090203		●	●	●		●	
CET0020A	2.7mm Shank 3.5mm Thread Predrill 2.5mm H090112		●	●	●		●	
CET0020B	3.0mm Shank 3.8mm Thread Predrill 2.7mm H090104			●	●		●	●
CET0021	3.2mm Shank 4.0mm Thread Predrill 3.0mm H090205			●	●		●	●
CET0024A	3.5mm Shank 4.3mm Thread Predrill 3.2mm H090105			●	●			●
CET0022	4.0mm Shank 4.8mm Thread Predrill 3.8mm H090207			●	●			●
Positive Threaded Pins - Mid Thread								
CMT0018	1.6mm Shank 2.0mm Thread Predrill 1.5mm H090101		●	●		●		
CMT0019	2.0mm Shank 2.4mm Thread Predrill 1.9mm H090202		●	●		●	●	
CMT0023	2.4mm Shank 3.2mm Thread Predrill 2.3mm H090203		●	●	●		●	
CMT0023A	2.7mm Shank 3.5mm Thread Predrill 2.5mm H090112		●	●	●		●	
CMT0023B	3.0mm Shank 3.8mm Thread Predrill 2.7mm H090104			●	●		●	●
CMT0024	3.2mm Shank 4.0mm Thread Predrill 3.0mm H090205			●	●		●	●
CMT0024A	3.5mm Shank 4.3mm Thread Predrill 3.2mm H090105			●	●			●
CMT0025	4.0mm Shank 4.8mm Thread Predrill 3.8mm H090207			●	●			●
Trochar Pins								
001566	Trochar Pin 2.0mm		●	●		●	●	
001577	Trochar Pin 3.0mm		●	●	●		●	●
001558	Trochar Pin 4.0mm			●	●		●	●
Cortical Negative Threaded Pins - Ellis Type								
001528	Ellis Pin 1.1mm		●			●		
001529	Ellis Pin 1.6mm		●			●		
001533	Ellis Pin 1.8mm		●	●		●		
001550	Ellis Pin 2.0mm		●	●		●	●	
001530	Ellis Pin 2.4mm Predrill 1.8mm H090208		●	●	●	●	●	
001550A	Ellis Pin 2.7mm Predrill 2.0mm H090102		●	●	●		●	
001551	Ellis Pin 3.0mm		●	●	●		●	●
001531	Ellis Pin 3.2mm Predrill 2.4mm H090209		●	●	●		●	●
001551A	Ellis Pin 3.5mm		●	●	●		●	●
001552	Ellis Pin 4.0mm		●	●	●		●	●
Bicortical Fine Negative Threaded Pins								
BCNET08	0.8mm							
BCNET10	1.0mm		●			●		
BCNET11	1.1mm		●			●		
BCNET15	1.5mm		●			●		
BCNET16	1.6mm Predrill 1.1mm H090100		●			●		
BCNET18	1.8mm		●	●		●		
BCNET20	2.0mm Predrill 1.5mm H090101		●	●		●	●	
BCNET24	2.4mm		●	●	●	●	●	
BCNET30	3.0mm Predrill 2.3mm H090203		●	●	●		●	●
BCNET35	3.5mm Predrill 2.7mm H090104		●	●	●		●	●
BCNET40	4.0mm Predrill 3.0mm H090205			●	●		●	●
BCNET50	5.0mm Predrill 3.5mm H090106S			●	●			

SF Kits

Mini SF Starter Kit (Stainless Steel Bars)

Kit contains:

- 10x Mini Single Clamps
- 3x Mini Double Clamps
- 2x 7mm Spanner
- 6x Ø3.2mm Stainless Steel Connecting Bars; 2 each of length 75mm, 100mm & 125mm

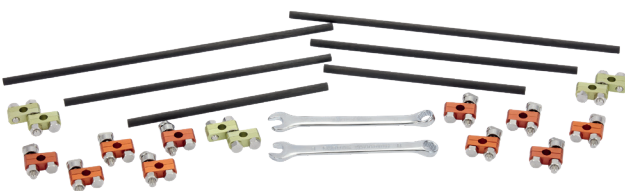
001760ISS SF Mini Starter Kit with Stainless Steel Bars

SF Full Kit

(Includes Pins & Drill Bits - No Double Clamps)



Small SF Starter Kit (Carbon Bars Or Titanium Bars)



Kit contains:

- 10x Small Single Clamps
- 3x Small Double Clamps
- 6x Ø6.3mm Carbon connecting bars; 2 each of length 150mm, 200mm & 250mm
- 2x 8mm spanner

Titanium kit contains 6 Titanium Connecting Bars of the same lengths.

0017602C SF Small Starter Kit With Carbon Bars

0017603TI SF Small Starter Kit With Titanium Bars

Large SF Starter Kit (Carbon Bars)



Kit contains:

- 10x Large Single Clamps
- 3x Large Double Clamps
- 8x Ø9.5mm Carbon Connecting Bars; 2 each of length 150mm, 200mm, 250mm & 300mm
- 2x 10mm Spanners

0017604C SF Large Starter Kit With Carbon Bars

With Stainless Steel/Titanium/Aluminium Bars

- 8x Mini Single Clamps
- 8x Small Single Clamps
- 8x Large Single Clamps
- 4x 2.0/2.4 End Threaded Pins 85mm long
- 2x 2.0/2.4 Mid Threaded Pins 105mm long
- 4x 2.7/3.5 End Threaded Pins 110mm long
- 2x 2.7/3.5 Mid Threaded Pins 115mm long
- 4x 3.5/4.3 End Threaded Pins 130mm long
- 2x 3.5/4.3 Mid Threaded Pins 140mm long
- 2x Mini 3.2mm Bar 150mm Long Stainless Steel
- 2x Small 6.3mm Bar 200mm Long Titanium
- 2x Large 9.5mm Bar 200mm Long Aluminium
- 1x 1.9mm Drill Bit
- 1x 2.5mm Drill Bit
- 1x 3.2mm Drill Bit
- 1x 7mm Spanner
- 1x 8mm Spanner
- 1x 10mm Spanner
- 1x Tissue Protector
- 1x Stainless Steel Box
- Also available with Stainless Steel/Carbon Bars
- Same as above except:
 - 2x Mini 3.2mm Bar 150mm Long Stainless Steel
 - 2x Small 6.3mm Bar 200mm Long Carbon
 - 2x Large 9.5mm Bar 200mm Long Carbon

Kit discounted by over 15% compared to component parts.

0017690SALT SF Full Kit With Steel/Titanium/Aluminium Bars

0017695SC SF Full Kit With Steel/Carbon Bars

Boxed KE+ ESF Kits (Spanners included)



KE+ Type One Kit (1a)



Contains a long bar & 4 or 6 KE Plus single clamps. Pins & spanners are not included. This is the minimum frame you should try to use.

Two pins only in the distal fragment is more acceptable than 2 pins proximally. Pin complications are usually fewer in the distal fragment.

The full kit comprises one of each “standard kit” (see overleaf) plus a compartmentalised stainless steel box in which to sterilise it.

However typically, double clamps weaken frames & are to be avoided if possible. 001579ND is based on single clamps only. For ideal construction use at least 3 pins in each fragment.

Kits save 10% on component costs.

NB: pins are only supplied with Kit 001579NDP which includes positive pins of all appropriate sizes.

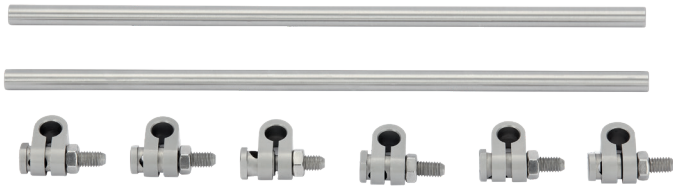
001579ND Boxed Full KE+ Kit No Doubles
As Above But With No Double Clamps

001579NDP Full KE+ Kit In Stainless Steel Box
Includes For Each Of The 3 Sizes: 8 Single Clamps, 2 Long Bars, Spanner, 2 Mid Thread Positive Pins, 4 End Thread Positive Pins, The Correct Predrill & ESF Tissue Protector

- 001570** Unilateral KE+ Kit Large 4 Clamps | Bar 240mm
- 001571** Unilateral KE+ Kit Medium 4 Clamps | Bar 150mm
- 001572** Unilateral KE+ Kit Small 4 Clamps | Bar 100mm
- 001570P** Unilateral KE+ Kit Large 6 Clamps | Bar 240mm
- 001571P** Unilateral KE+ Kit Medium 6 Clamps | Bar 200mm
- 001572P** Unilateral KE+ Kit Small 6 Clamps | Bar 150mm

NB: No pins or spanners are supplied with these kits.

KE+ Type Two Kit - Modified (IIb)



001520	Bilateral KE+ Kit Large 6 Clamps 2 Bars, 240mm
001521	Bilateral KE+ Kit Medium 6 Clamps 2 Bars, 200mm
001522	Bilateral KE+ Kit Small 6 Clamps 2 Bars, 100mm
001520P	Bilateral KE+ Kit Large 8 Clamps 2 Bars, 240mm
001521P	Bilateral KE+ Kit Medium 8 Clamps 2 Bars, 200mm
001522P	Bilateral KE+ Kit Small 8 Clamps 2 Bars, 100mm

NB: No pins or spanners are supplied with these kits.

KE+ Standard Kit



Consists of 8 Single KE Plus Clamps, 2 Double Clamps, 2 Long Bars, 2 Short Bars. Some fractures & some patients require more elaborate frames using either more clamps or more connecting bars.

The Standard Kit will enable you to deal with most situations.

001580	Large Standard KE+ Kit 4mm 8 Single + 2 Double Clamps & Bars 2x Long 5/16" 240mm Long & 2x Short 5/16" 100mm Long
001581	Medium Standard KE+ Kit 3mm 8 Single + 2 Double Clamps & Bars 2x Long 3/16" 200mm Long & 2x Short 3/16" 75mm Long
001582	Small Standard KE+ Kit 2mm 8 Single + 2 Double Clamps & Bars 2x Long 1/8" 100mm Long & 2x Short 1/8" 30mm Long
001578	Stainless Box With Partitions

NB: No pins or spanners are supplied with these kits.

ESF Pin Choice & Application

Positive Threaded Pins

Positive threaded pins are the pin of choice for ESF application as they have excellent resistance to pull-out, & no inherent point of weakness.

End threaded pins are used as half pins (type IA & IB ESF frames), & centre threaded pins as full pins (type II frames).

Positive Threaded Pins - Cortical

End Thread



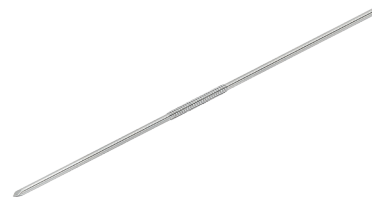
The fine threads of these pins are proud of the shank eliminating the weak point where the thread ends in other pins.

The major benefit of positive pins is that the additional thread diameter creates a larger bone pin interface for a given shaft diameter.

This style of pin is useful where a good pull out resistance is required & where it is anticipated that the frames will be left in situ for long periods - 6 weeks plus. Use KE Plus Clamps if available. Place at right angles to the bone.

CET0014	0.8mm Shank 1.1mm Threads 60mm Long - End Thread
CET0015	1.2mm Shank 1.5mm Threads 65mm Long - End Thread
CET0016	1.2mm Shank 1.6mm Threads 70mm Long - End Thread
CET0017	1.4mm Shank 1.8mm Threads 70mm Long - End Thread
CET0018	1.6mm Shank 2.0mm Threads 70mm Long - End Thread
CET0026	1.8mm Shank 2.2mm Threads 80mm Long - End Thread
CET0019	2.0mm Shank 2.4mm Threads 85mm Long - End Thread
CET0020	2.4mm Shank 3.2mm Threads 100mm Long - End Thread
CET0020A	2.7mm Shank 3.5mm Threads 110mm Long - End Thread
CET0020B	3.0mm Shank 3.8mm Threads 120mm Long - End Thread
CET0021	3.2mm Shank 4.0mm Threads 130mm Long - End Thread
CET0024A	3.5mm Shank 4.3mm Threads 130mm Long - End Thread
CET0022	4.0mm Shank 4.8mm Threads 150mm Long - End Thread

Mid Thread



The Mid Threaded Pin provides good pull out resistance in frames where the fixation pins are supported on either side of the limb by connecting bars. i.e. Type II frames.

CMT0013	0.98mm Shank 1.1mm Threads 85mm Long - Mid Thread
CMT0014	1.1mm Shank 1.4mm Threads 85mm Long - Mid Thread
CMT0015	1.2mm Shank 1.5mm Threads 85mm Long - Mid Thread
CMT0016	1.4mm Shank 1.8mm Threads 85mm Long - Mid Thread
CMT0017	1.6mm Shank 2.0mm Threads 85mm Long - Mid Thread
CMT0018	1.6mm Shank 2.0mm Threads 85mm Long - Mid Thread
CMT0018A	1.8mm Shank 2.2mm Threads 90mm Long - Mid Thread
CMT0019	2.0mm Shank 2.4mm Threads 105mm Long - Mid Thread
CMT0019A	2.2mm Shank 2.6mm Threads 105mm Long - Mid Thread
CMT0023	2.4mm Shank 3.2mm Threads 105mm Long - Mid Thread
CMT0023A	2.7mm Shank 3.5mm Threads 115mm Long - Mid Thread
CMT0023B	3.0mm Shank 3.8mm Threads 120mm Long - Mid Thread
CMT0024	3.2mm Shank 4.0mm Threads 130mm Long - Mid Thread
CMT0024A	3.5mm Shank 4.3mm Threads 140mm Long - Mid Thread
CMT0025	4.0mm Shank 4.8mm Threads 150mm Long - Mid Thread

CMT0017 has a 16mm thread length.

CMT0018 has a 20mm thread length.

Positive Threaded Pins – Cancellous



The coarser threads of these pins are appropriate for use in metaphyseal bone.

- CANET0026** 2.4mm Shank 3.5mm Threads 115mm Long Cancellous End Thread
- CANET0027** 3.2mm Shank 4.8mm Threads 150mm Long Cancellous End Thread
- CANMT0029** 2.4mm Shank 3.5mm Threads 150mm Long Cancellous Mid Thread
- CANMT0030** 3.2mm Shank 4.8mm Threads 180mm Long Cancellous Mid Thread

Pearson Positive Threaded Pins

- EXL12** 6.35mm Pearson Positive End Threaded Pin
- EXL13** 6.35mm Pearson Positive Mid Threaded Pin

Trochar Pins



The smooth shanks of trochar pins provide minimal pull out resistance therefore there is little advantage to their use. When used, trochar pins should be placed at diverging angles to maximise pull-out resistance. 130mm long.

- 001556** Trochar Pin 2mm
- 001557** Trochar Pin 3mm
- 001558** Trochar Pin 4mm
- EXL10** 1/4" Trochar Pin
- EXL11** 5/16" Trochar Pin

Cortical Negative Threaded Pins (Ellis Type)



The short fine negative thread engages the trans (far)cortex & the smooth shank engages the cis (near) cortex.

The thread/shank junction (the weakest part of the pin) is positioned in the medullary cavity & protected from potential failure.

Ellis type pins have better pull out resistance over Trochar pins & the angle of placement is not as critical.

		Pin Diameter	Overall Length
001528	Ellis Pin	1.1mm	76mm
001529	Ellis Pin	1.6mm	85mm
001533	Ellis Pin	1.8mm	127mm
001550	Ellis Pin	2.0mm	127mm
001530	Ellis Pin	2.4mm - (3/32")	127mm
001550A	Ellis Pin	2.7mm - (7/64")	127mm
001551	Ellis Pin	3.0mm	127mm
001531	Ellis Pin	3.2mm - (1/8")	127mm
001551A	Ellis Pin	3.5mm	127mm
001552	Ellis Pin	4.0mm	127mm

Bicortical Negative Threaded Pins



Negative Bicortical Pins have had a bad reputation for early failure at the thread pin junction. Where selection of pin & frame are appropriate failure of negative threaded pins is rare.

The important criterion is thread diameter not shaft diameter. For any given thread diameter both positive & negative threaded pins are equally strong.

	Shaft Diameter	Thread Diameter	Thread Length	Overall Length
BCNET08	0.8mm	0.8mm	8mm	70mm
BCNET10	1.0mm	1.0mm	10mm	70mm
BCNET11	1.1mm	1.1mm	12mm	70mm
BCNET13	1.3mm	1.3mm	12mm	70mm
BCNET15	1.5mm	1.5mm	12mm	70mm
BCNET16	1.6mm	1.6mm	20mm	70mm
BCNET18	1.8mm	1.8mm	24mm	85mm
BCNET20	2.0mm	2.0mm	24mm	85mm
BCNET24	2.4mm	2.4mm	25mm	100mm
BCNET27	2.7mm	2.7mm	30mm	110mm
BCNET30	3.0mm	3.0mm	35mm	130mm
BCNET35	3.5mm	3.5mm	40mm	130mm
BCNET40	4.0mm	4.0mm	45mm	150mm
BCNET50	5.0mm	5.0mm	50mm	150mm

Coarse Negative Threaded Pins

The thread on this pin is similar to a self-tapping cortical screw. The drilling tip is, again, the long Trochar. In young bone, use without pre-drilling; in older, hardened bone, use smaller pilot hole.

The much improved pull out resistance means that these pins can be placed parallel within the same bone fragment; useful when fragment is smaller or when aligning proximal & distal fragments. More prone to pin fracture than Ellis pins. Always use four pins on either side of the fracture if possible.

- 001567** Coarse Negative Threaded Pin 2mm
- 001568** Coarse Negative Threaded Pin 3mm
- 001569** Coarse Negative Threaded Pin 4mm

Threaded ESF Pin With Olive



Used almost exclusively in the management of complex humeral fractures involving a variant on the 'Y' or 'T' fracture. The olive, positioned at the end of the threaded portion of the pin, acts as the screw head. Bone fragments may be compressed & incorporated into the external fixator frame. The bone fragment involved is usually the lateral condyle.

- 001534** Threaded ESF Pin Olive Small 2.4mm Shank 25mm x 3.2mm Thread
- 001536** Threaded ESF Pin Olive Small 2.4mm Shank 33mm x 3.2mm Thread
- 001535** Threaded ESF Pin Olive Medium 3.2mm Shank 40mm x 4mm Thread
- 001537** Threaded ESF Pin Olive Large 4mm Shank 55mm x 4.8mm Thread
- H090202** 1.9mm Pre-Drill For 2.0mm Shank Positive Pin
- H090203** 2.3mm Pre-Drill For 2.4mm Shank Positive Pin
- H090205** 3.0mm Pre-Drill For 3.2mm Shank Positive Pin
- H090207** 3.8mm Pre-Drill For 4.0mm Shank Positive Pin
- H090101** 1.5mm Pre-Drill For 2.0mm Shank Negative Pin
- H090102** 2.0mm Pre-Drill For 2.4mm Shank Negative Pin
- H090104** 2.7mm Pre-Drill For 3.2mm Shank Negative Pin
- H090106L** 3.5mm Pre-Drill For 4.0mm Shank Negative Pin

Standard Fixators (SF)

SF Clamps



The standard fixator is the most adaptable standard linear ESF fixation system & is the recommended system to use. The ESF clamp design is a 2 part, 2 bolt mechanism body which can be dismantled. This means that ESF clamps can easily be added or removed from an ESF frame at any time, & by using two rather than one bolt to secure the clamp, better stability of the clamp-connecting bar & clamp-ESF pin interface is achieved.

The system is available in three different sizes, Mini, Small, & Large, as shown in the table below.

Clamp	Pin Shaft Dia	Bar Dia	Spanner
Mini	0.9mm - 2.5mm	3.2mm	7mm (001566)
Small	2.0mm - 3.2mm	6.3mm	8mm (001565)
Large	3.2mm - 4.8mm	9.5mm	10mm (001564)

SF Bars



Connecting bars for the mini system are 3.2mm stainless steel. The Small system has Carbon Fibre & Titanium 6.3mm connecting bars, & the Large system has 9.5mm carbon fibre & aluminium connecting bars. Carbon Fibre is radiolucent meaning that the connecting bar does not obscure the image when a radiograph is taken. Considering bending strength, Titanium is stiffer than Carbon Fibre which in turn is stiffer than Aluminium.

As for all linear ESF systems, the size of system chosen is chosen by measuring the size of the bone to be fixed. The craniocaudal & mediolateral dimensions of the bone are measured at the point of intended ESF pin application, & an ESF pin that has a shank diameter approximately 25% the narrowest dimension of the bone is chosen. When the size of ESF pins has been determined, the size of ESF clamp that will accommodate such ESF pins is determined, & therefore the size of connecting bar that is compatible with the clamp. As a generalisation, the mini system is suitable for cats & small dogs, the small for medium sized dogs, & the large for larger dogs.

SF Mini Range

001740	Mini Single Clamp
001743	Mini Double Clamp
001595	Mini 1/8" (3.2mm) Bar x 30mm Stainless Steel
001559	Mini 1/8" (3.2mm) Bar x 50mm Stainless Steel
001590	Mini 1/8" (3.2mm) Bar x 75mm Stainless Steel
001596	Mini 1/8" (3.2mm) Bar x 100mm Stainless Steel
001573	Mini 1/8" (3.2mm) Bar x 125mm Stainless Steel
001560	Mini 1/8" (3.2mm) Bar x 150mm Stainless Steel
001574	Mini 1/8" (3.2mm) Bar x 175mm Stainless Steel
001575	Mini 1/8" (3.2mm) Bar x 200mm Stainless Steel
SL2015	Insert Drill Sleeve 2.0mm O/D 1.5mm I/D
SL2418	Insert Drill Sleeve 2.4mm O/D 1.8mm I/D
001566	Mini Spanner 7mm

SF Small Range

001741	Small Single Clamp
001744-A	Small Double Clamp
001862C	Small 1/4"(6.3mm) Bar x 100mm Carbon
001863C	Small 1/4"(6.3mm) Bar x 150mm Carbon
001864C	Small 1/4"(6.3mm) Bar x 200mm Carbon
001865C	Small 1/4"(6.3mm) Bar x 250mm Carbon
001866C	Small 1/4"(6.3mm) Bar x 300mm Carbon
001862TI	Small 1/4"(6.3mm) Bar x 100mm Ti
001863TI	Small 1/4"(6.3mm) Bar x 150mm Ti
001864TI	Small 1/4"(6.3mm) Bar x 200mm Ti
001865TI	Small 1/4"(6.3mm) Bar x 250mm Ti
SL3525	Insert Drill Sleeve 3.5mm o/d 2.5mm I/D
001565	Medium Spanner 8mm
001565T	Medium T Bar Wrench 8mm

SF Large Range

001742	Large Single Clamp
001745	Large Double Clamp
001870C	Large 3/8"(9.5mm) Bar x 100mm Carbon
001871C	Large 3/8"(9.5mm) Bar x 150mm Carbon
001872C	Large 3/8"(9.5mm) Bar x 200mm Carbon
001873C	Large 3/8"(9.5mm) Bar x 250mm Carbon
001874C	Large 3/8"(9.5mm) Bar x 300mm Carbon
001870TI	Large 3/8"(9.5mm) Bar x 100mm Aluminium
001871TI	Large 3/8"(9.5mm) Bar x 150mm Aluminium
001872TI	Large 3/8"(9.5mm) Bar x 200mm Aluminium
001873TI	Large 3/8"(9.5mm) Bar x 250mm Aluminium
001874TI	Large 3/8"(9.5mm) Bar x 300mm Aluminium
SL4532	Insert Drill Sleeve 4.5mm O/D 3.2mm I/D
001564	Large Spanner 10mm
001564T	Large T Bar Wrench 10mm

SF Kits

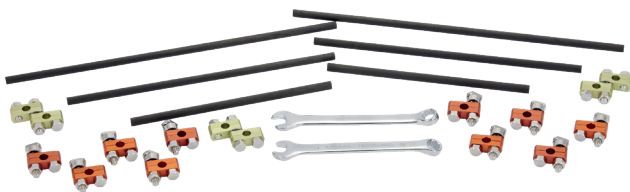
Mini SF Starter Kit (Stainless Steel Bars)

Kit contains:

- 10x Mini Single Clamps
- 3x Mini Double Clamps
- 2x 7mm Spanner
- 6x Ø3.2mm Stainless Steel Connecting Bars; 2 each of length 75mm, 100mm & 125mm

001760ISS SF Mini Starter Kit With Stainless Steel Bars

Small SF Starter Kit (Carbon Bars Or Titanium Bars)



Kit contains:

- 10x Small Single Clamps
- 3x Small Double Clamps
- 6x Ø6.3mm Carbon connecting bars; 2 each of length 150mm, 200mm & 250mm
- 2x 8mm spanner

Titanium kit contains 6 Titanium Connecting Bars of the same lengths.

0017602C SF Small Starter Kit With Carbon Bars

0017603TI SF Small Starter Kit With Titanium Bars

Large SF Starter Kit (Carbon Bars)



Kit contains:

- 10x Large Single Clamps
- 3x Large Double Clamps
- 8x Ø9.5mm Carbon Connecting Bars; 2 each of length 150mm, 200mm, 250mm & 300mm
- 2x 10mm Spanners

0017604C SF Large Starter Kit with Carbon Bars

SF Full Kit (Includes Pins & Drill Bits - No Double Clamps)



With Stainless Steel/Titanium/Aluminium Bars

- | | |
|--|---|
| • 8x Mini Single Clamps | • 1x 1.9mm Drill Bit |
| • 8x Small Single Clamps | • 1x 2.5mm Drill Bit |
| • 8x Large Single Clamps | • 1x 3.2mm Drill Bit |
| • 4x 2.0/2.4 End Threaded Pins 85mm long | • 1x 7mm Spanner |
| • 2x 2.0/2.4 Mid Threaded Pins 105mm long | • 1x 8mm Spanner |
| • 4x 2.7/3.5 End Threaded Pins 110mm long | • 1x 10mm Spanner |
| • 2x 2.7/3.5 Mid Threaded Pins 115mm long | • 1x Tissue Protector |
| • 4x 3.5/4.3 End Threaded Pins 130mm long | • 1x Stainless Steel Box |
| • 2x 3.5/4.3 Mid Threaded Pins 140mm long | • Also available with Stainless Steel/Carbon Bars |
| • 2x Mini 3.2mm Bar 150mm Long Stainless Steel | • Same as above except: |
| • 2x Small 6.3mm Bar 200mm Long Titanium | • 2x Mini 3.2mm Bar 150mm Long Stainless Steel |
| • 2x Large 9.5mm Bar 200mm Long Aluminium | • 2x Small 6.3mm Bar 200mm Long Carbon |
| | • 2x Large 9.5mm Bar 200mm Long Carbon |
- Kit discounted by over 15% compared to component parts.

0017690SALT SF Full Kit With Steel/Titanium/Aluminium Bars

0017695SC SF Full Kit With Steel/Carbon Bars

KE Plus

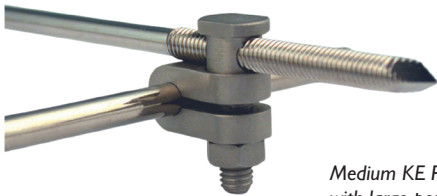
The KE plus linear ESF system is an evolution of the original KE system. Although it is a versatile system that has functioned well over time, it has no advantage over the SF system.

The KE plus clamp is designed to allow a wider range of positive threaded pins to be used than the original KE clamp, but clamp stability & security is not as good as the SF system.

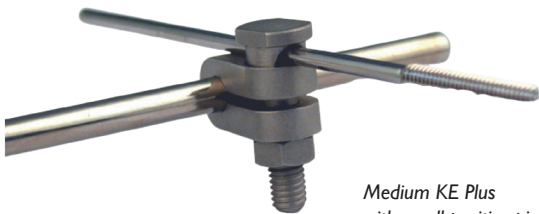
KE Plus is compatible with existing KE systems & is a useful addition to expand the range of the KE system. KE Plus clamps have a matt finish compared with the polished standard KE clamps. The KE Plus system is available in small, medium & large sizes, as indicated below.

One important limitation of the KE plus system is that once the fixator has been applied to the patient, additional clamps cannot be added or removed from the connecting bar without removing the entire fixator, disassembling, & starting from the beginning. This is because the clamps cannot pass those already present on the connecting bar. This can be overcome by using the split clamp but this clamp is weaker & less secure than the standard KE plus clamp.

Single KE Plus Clamp



*Medium KE Plus
with large positive pin*



*Medium KE Plus
with small positive pin*

Double Clamps



Used to attach a connecting bar to another connecting bar.

If possible, the fixation pins in the proximal fragment should be linked to the pins in the distal fragment via single clamps & a single connecting bar. This is not always possible because of the shape of the bones or the angle of placement of the pins.

It may be necessary to connect the pins in the proximal fragment to a short connecting bar & the pins in the distal segment to another short connecting bar.

Finally the two short connecting bars are joined by a long connecting bar using double clamps. The frame is not as rigid as the single connecting bar frame. Double clamps may be used to connect long bars proximally & distally, as in type III frames.

Please note that two spanners are required when using double clamps.

Connecting Bars

Connecting Bars are available in 5/16" for large clamps, 3/16" for medium clamps & 1/8" for small clamps.

The thicker the bar, the stronger the frame. The shorter the bar between bone fragments, the stronger the frame. Rigidity is important early in fracture healing.

When significant callus is present, it is often helpful to introduce some slight axial motion by either removing some pins or moving the clamps further away from the bone. This is known as staging down or dynamising. Bars are available in a variety of lengths.

Split Clamp



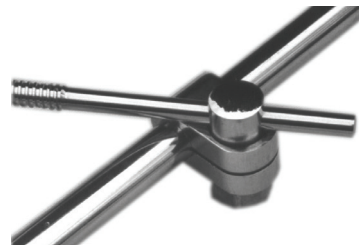
Split Clamp allow the addition of an extra pin to the assembled KE plus frame without the need to dismantle the entire frame. This clamp is not as secure as the KE plus single clamp.

ESF Hinge

Designed specifically to maintain reduction of luxated hips by means of a simple frame on the pelvis, the ESF hinge is also useful in transarticular frames where continued mobility is desirable, e.g. hock & elbow.

Attaches to standard KE equipment. Relatively weak in abduction. Supplied with instructions for use.

Extra Large Clamps & Bars



Standard KE clamps made very much larger. Bars are 7/16" 11mm in diameter.

Clamps will accept up to 5/16" 8mm pins. Suitable for foals & calves.

KE Plus Small Range

001527	Small Single KE Plus Clamp
001546	Small Single KE Plus Clamp - Pack Of 6
001594	Small Double Clamp
001595	Small Connecting Bar 1/8" (3.2mm) x 30mm
001559	Small Connecting Bar 1/8" (3.2mm) x 50mm
001590	Small Connecting Bar 1/8" (3.2mm) x 75mm
001596	Small Connecting Bar 1/8" (3.2mm) x 100mm
001573	Small Connecting Bar 1/8" (3.2mm) x 125mm
001560	Small Connecting Bar 1/8" (3.2mm) x 150mm
001574	Small Connecting Bar 1/8" (3.2mm) x 175mm
001575	Small Connecting Bar 1/8" (3.2mm) x 200mm
001597	ESF Hinge Joint Small
001566	Small Spanner 7mm

KE Plus Medium Range

001526	Medium Single KE Plus Clamp
001545	Medium Single KE Plus Clamp - Pack Of 6
001592	Medium Double Clamp
001588	Medium Connecting Bar 3/16" (4.8mm) x 75mm
001576	Medium Connecting Bar 3/16" (4.8mm) x 100mm
001587	Medium Connecting Bar 3/16" (4.8mm) x 150mm
001589	Medium Connecting Bar 3/16" (4.8mm) x 200mm
001589XL	Medium Connecting Bar 3/16" (4.8mm) x 250mm
001589XXL	Medium Connecting Bar 3/16" (4.8mm) x 300mm
001598	ESF Hinge Joint Medium
001565	Medium Spanner 8mm
001565T	Medium T Bar Wrench 8mm

KE Plus Large Range

001525	Large Single KE Plus Clamp
001544	Large Single KE Plus Clamp - Pack Of 6
001584	Large Double Clamp
001547L	Large Split Clamp Single
001586	Large Connecting Bar 5/16" (8mm) x 100mm
001563	Large Connecting Bar 5/16" (8mm) x 150mm
001585	Large Connecting Bar 5/16" (8mm) x 240mm
001549	Large Connecting Bar 5/16" (8mm) x 340mm
001599	ESF Hinge Joint Large
001564	Large Spanner 10mm
001564T	Large T Bar Wrench 10mm

Extra Large Range

EXL01	Extra Large Single Clamp
EXL02	Extra Large Double Clamp
EXL09	Extra Large Connecting Bar 100mm
EXL05	Extra Large Connecting Bar 150mm
EXL06	Extra Large Connecting Bar 200mm
EXL07	Extra Large Connecting Bar 300mm
EXL08	Extra Large Connecting Bar 400mm
001562	Extra Large Spanner 13mm

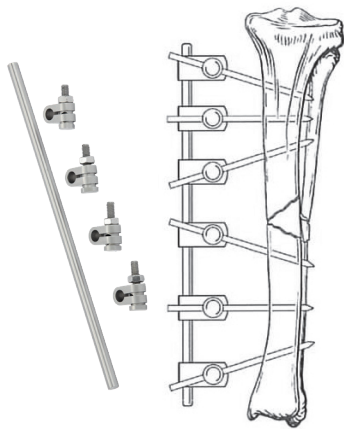


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KE Plus Kits

KE+ Type One Kit (Ia)

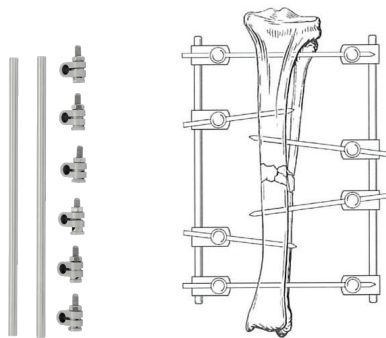


Contains a long bar & 4 or 6 KE Plus single clamps. Pins & spanners are not included. This is the minimum frame you should try to use. Two pins only in the distal fragment is more acceptable than 2 pins proximally. Pin complications are usually fewer in the distal fragment.

- 001570** Unilateral KE+ Kit Large 4 Clamps 1 Bar 240mm
- 001571** Unilateral KE+ Kit Medium 4 Clamps 1 Bar 150mm
- 001572** Unilateral KE+ Kit Small 4 Clamps 1 Bar 100mm
- 001570P** Unilateral KE+ Kit Large 6 Clamps 1 Bar 240mm
- 001571P** Unilateral KE+ Kit Medium 6 Clamps 1 Bar 200mm
- 001572P** Unilateral KE+ Kit Small 6 Clamps 1 Bar 150mm

NB: No pins or spanners are supplied with these kits.

KE+ Type Two Kit - Modified (IIb)



Contains two long bars & 6 or 8 KE Plus clamps. Pins & spanners are not included. Use to create a bilateral frame using a long (preferably mid-threaded) pin proximally & distally.

- 001520** Bilateral KE+ Kit Large 6 Clamps 2 Bars, 240mm
- 001521** Bilateral KE+ Kit Medium 6 Clamps 2 Bars, 200mm
- 001522** Bilateral KE+ Kit Small 6 Clamps 2 Bars, 100mm
- 001520P** Bilateral KE+ Kit Large 8 Clamps 2 Bars, 240mm
- 001521P** Bilateral KE+ Kit Medium 8 Clamps 2 Bars, 200mm
- 001522P** Bilateral KE+ Kit Small 8 Clamps 2 Bars, 100mm

NB: No pins or spanners are supplied with these kits.

KE+ Standard Kit



Consists of 8 Single KE Plus Clamps, 2 Double Clamps, 2 Long Bars, 2 Short Bars. Some fractures & some patients require more elaborate frames using either more clamps or more connecting bars. The Standard Kit will enable you to deal with most situations.

- 001580** Large Standard KE+ Kit 4mm
8 Single + 2 Double Clamps & Bars 2x Long 5/16" 240mm Long & 2x Short 5/16" 100mm Long
- 001581** Medium Standard KE+ Kit 3mm
8 Single + 2 Double Clamps & Bars 2x Long 3/16" 200mm Long & 2x Short 3/16" 75mm Long
- 001582** Small Standard KE+ Kit 2mm
8 Single + 2 Double Clamps & Bars 2x Long 1/8" 100mm Long & 2x Short 1/8" 30mm Long
- 001578** Stainless Box With Partitions

NB: No pins or spanners are supplied with these kits.

Spanner Size & Clamp Type Reference Chart

Clamp Type	Clamp Size	Clamp Code	Spanner Size	Spanner Code
KE+	Small	001527	7mm	001566
	Medium	001526	8mm	001565
	Large	001525	10mm	001564
KE+ Double Clamps	Small	001594	7mm	001566
	Medium	001592	8mm	001565
	Large	001584	10mm	001564
KE+ Extra Large Clamps	Single	EX L01	13mm	001562
	Double	EX L02	13mm	001562
KE+ Split Clamps	Small	001547L	7mm	001566
	Medium		8mm	001565
	Large		10mm	001564
ESF Hinge Joints	Small	001597	7mm	001566
	Medium	001598	8mm	001565
	Large	001599	10mm	001564
SF C lamps Single	Mini	001740	7mm	001566
	Small	001741	8mm	001565
	Large	001742	10mm	001564
SF C lamps Double	Mini	001743	7mm	001566
	Small	001744	8mm	001565
	Large	001745	10mm	001564

FESSA External Fixation

FESSA External Fixation - Stainless Steel

Developed for use in the French army FESSA is a lightweight tubular fixator with a number of interesting features.

- The tube incorporates the pin clamping mechanism & is thus very strong & has extremely good angular pin rigidity
- Available in 6 & 8mm & 12mm diameter Tubes
- 6mm Tube accepts pins of shaft diameter 0.9mm to 1.8mm making it extremely useful in the management of fractures in cats & exotics
- 8mm Tube accepts pins of shaft diameter 1.6mm to 3.2mm
- 12mm Tube accepts pins of shaft diameter up to 4mm & M5 Grub Screws
- Design allows placement of multiple parallel pins close together in small fragments
- Pins can be placed at right angles to tube or angled through adjacent holes. Pins are locked into position by hex driven grub screws



The FESSA Stainless Steel Starter Kit contains the following:
One of each 6mm tube & one of each 8mm tube (6 in total).

- 1x 6mm Hinge & one 8mm Hinge
- 1x 1.5mm Hex Screwdriver
- 1x 2mm Hex Screwdriver
- 10x 1.5mm Locking Screws
- 10x 2mm Locking Screws
- All contained in a Stainless Steel Box with Silicone Insert

- 015500** FESSA Starter Set in Stainless Box
- 015502** FESSA Tube 6mm x 30mm
- 015504** FESSA Tube 6mm x 45mm
- 015506** FESSA Tube 6mm x 65mm
- 015508** FESSA Hex Driver Allen Key Type 1.5mm
- 015509** FESSA 6mm (1.5 Hex) Locking Screws (10)
- 015534** FESSA 6mm Hinge
- 015510** FESSA Tube 8mm x 100mm
- 015512** FESSA Tube 8mm x 150mm
- 015514** FESSA Tube 8mm x 200mm
- SDHS20-1** 1.5/2.0/2.4mm Hex Screwdriver & Screw Holding Sleeve
- 015517** FESSA Hex Driver Allen Key Type 2.0mm
- 015520** FESSA 8mm (2.0 Hex) Locking Screws (10)
- 015536** FESSA 8mm Hinge
- 015540** FESSA Tube 12mm x 125mm
- 015542** FESSA Tube 12mm x 175mm
- 015544** FESSA Tube 12mm x 225mm
- 015545** FESSA 12mm (2.5 Hex) Locking Screws (10)
- SDHS35POM-C** 2.5mm Hex Screwdriver + Sleeve With PTFE Handle

FESSA Ultra-Lightweight Titanium FESSA



Standard Stainless Steel FESSA is light. The tubular structure acts as both clamp & bar. Birds, small furries & exotics demand even lighter constructs. Using Titanium tube of 5.0mm in diameter enables the surgeon to apply FESSA constructs weighing from as little as 1.5 grams.

Titanium Fessa tubes (015521 & 015522) are both supplied with 6x M3 grub screws. Suitable for pins 0.8mm to 1.6mm.. Uses 1.5 hex drivers, the same as 6.0mm FESSA.



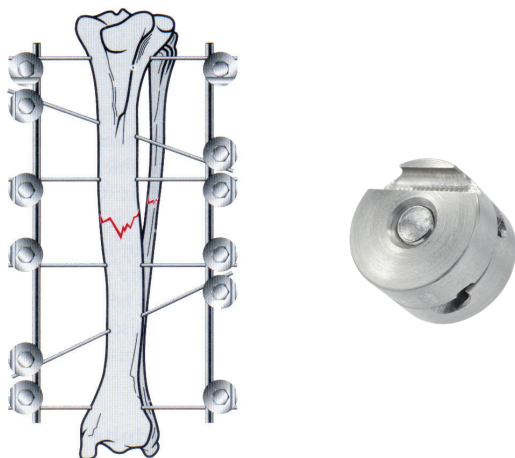
The FESSA Titanium Starter Kit contains:

- 2x 5mm x 30mm Ti Fessa Tubes
- 2x 5mm x 45mm Ti Fessa Tubes
- 1x 1.5mm Hex Screwdriver
- 1x Small Pin Vice
- 10x M3 Grub Screws
- 6x 0.8mm Bicortical Negative Pins
- 6x 1.0mm Bicortical Negative Pins
- 6x 1.5mm Bicortical Negative Pins
- All contained in a Stainless Steel Box with Silicone Insert

- 015530** Titanium FESSA Set In Stainless Steel Box
- 015521** 5mm x 30mm Titanium FESSA
- 015522** 5mm x 45mm Titanium FESSA
- 015509** FESSA 5mm (1.5 Hex) Locking Screws (10)
- 015508** 1.5 Hex Allen Key
- BCNET08** 0.8mm Bicortical Negative Pins
- BCNET10** 1.0mm Bicortical Negative Pins
- BCNET15** 1.5mm Bicortical Negative Pins

Linear Fixators

Meynard Fixation Clamps



Stainless Steel External Fixators. Very simple, very inexpensive ESF system. The clamps split allowing placement of pins, (both positive threaded & negative threaded) mid frame.

Not as strong as KE or KE Plus type so more clamps are needed. Bars are available in all sizes.

There are now Meynard clamps available which fit standard KE bars. Very useful for mid frame & positive threaded pins. Clamps which work with KE bars carry a KE suffix. Uses a 7mm spanner.

	Clamp Diameter (mm)	Fixation Pin Diameter (mm)	Bar Diameter (mm)
260002	12	1.0	2
260003	12	1.2	2
260004	12	1.6	2
260005	14	1.5	3
260006	14	2.0	3
260007	16	2.0	4
260013	16	2.4	4
260008	16	3.0	4
260014KE	24	3.0-3.2	4.8
260015KE	24	4.0	6.3
260009	24	4.0	6

260030	3mm For 14mm Clamps. 50mm Long
260040	4mm For 16mm Clamps. 100mm Long
260042	4mm For 16mm Clamps. 200mm Long
260060	2mm For 12mm Clamps. 500mm Long Cut To Length
260062	3mm For 14mm Clamps. 500mm Long Cut To Length
260064	4mm For 16mm Clamps. 500mm Long Cut To Length
260068	6mm For 24mm Clamps. 500mm Long Cut To Length
001566	Spanner Small 7mm
86104	Small Socket 7mm

Epoxy ESF Putty

Epoxy ESF Putty is a simple to use, quick & convenient alternative to the standard bar & clamp system. The putty, once mixed, stiffens in 5 minutes & within 1 hour is fully cured. The putty can be applied & then the fracture reduced allowing precise manipulation of the fracture site. The versatility of the system allows the putty to be used in place of clamps, to cover sharp ends of cut pins, & many other applications.

There are two pack sizes in a bar format with the premeasured catalyst in the centre of the bar ready for mixing. The product is clean & has a long shelf life. Only mix the quantity you need, cutting the required amount off the end of the bar. If you find you don't have enough, more can be prepared in a matter of seconds. ESF putty sticks to itself very well & may be used for repairs & corrections. Particularly useful in fractures in small furries where proximal & distal fragments may be attached together with 'blobs' of putty in place of clamps regardless of fixation pin site.

Typical Applications

- ESF applications requiring multiple pins of various sizes placed at various angles
- ESF applications in rabbits & guinea pigs
- Fractures of the jaw
- Protecting sharp ends of cut pins
- Joining non-standard pins & bars
- Use to add a pin mid frame

EPOXY1	Epoxy ESF Putty 55G
EPOXY2	Epoxy ESF Putty 110G

ESF Tissue Protector



Protection of soft tissue is very important when placing an ESF frame. Protection prevents tissues from getting wrapped around the drill bit, & helps to maintain access to the pin tract in the bone.

Once a connecting bar with clamps is in position, pin placement through a drill guide presents a specific problem because standard drill guide tissue protectors cannot be removed once the pin is in position.

The ESF Tissue Protector splits along its length to allow removal. The tip has small serrations to encourage grip on the bone surface.

001548	ESF Tissue Protector
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Spanners & Wrenches



Standard spanners, sockets or combination spanners are available for all clamp sizes see reference chart.

- 001565** Spanner Medium 8mm
- 001564** Spanner Large 10mm
- 86012** Socket Drive Handle
- 86104** Small Socket 7mm
- 86105** Medium Socket 8mm
- 86107** Large Socket 10mm

'T' Bar Wrenches



Useful for tightening of clamps in that the wrench can be 'spun' using the shaft.

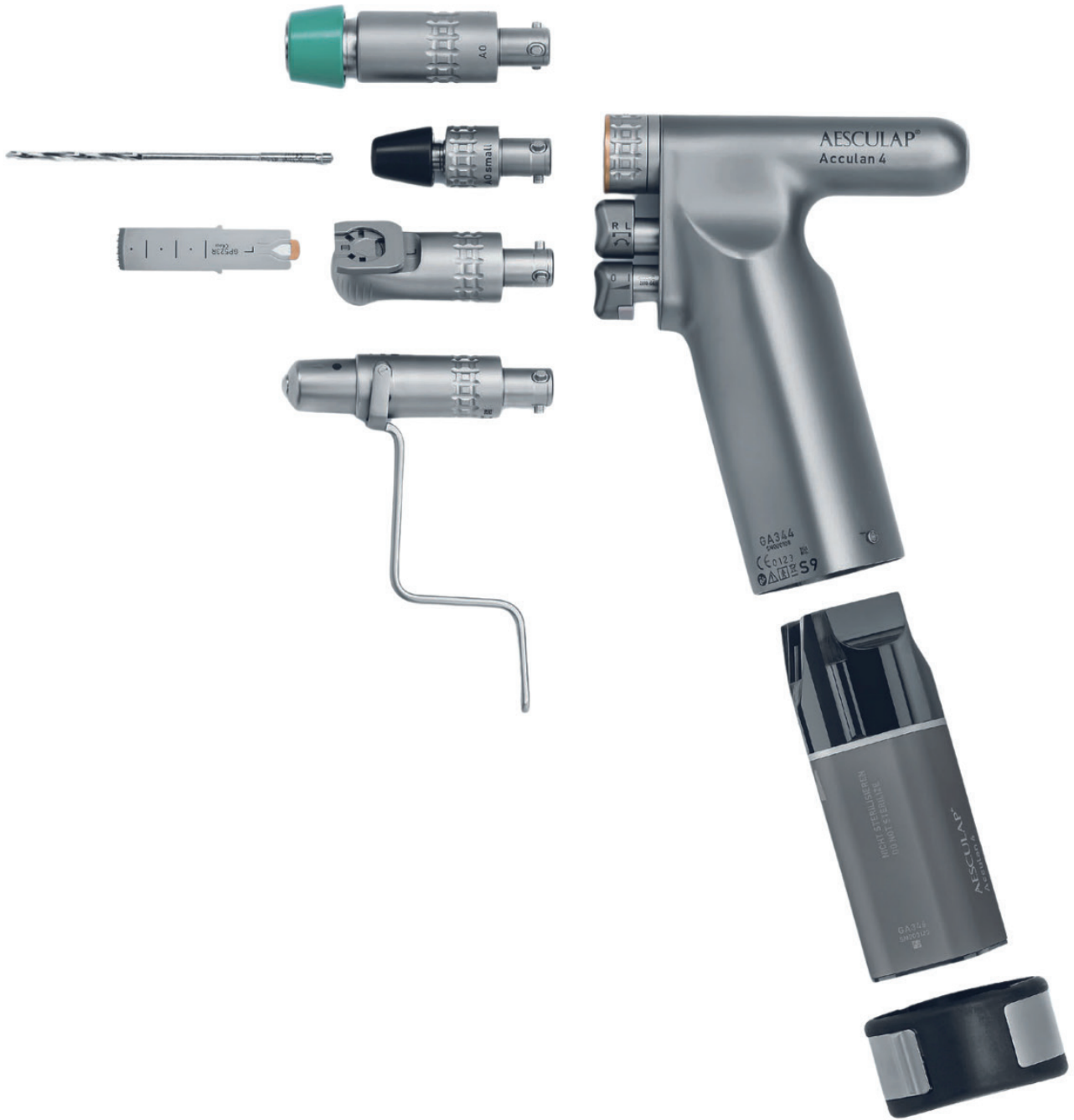
- 001565T** Medium 'T' Wrench - 8mm
- 001564T** Large 'T' Wrench - 10mm

Pre-Drilling ESF Pin Tracts



Pre-drilling a pin tract hole in the bone into which the ESF pin is subsequently inserted is very important as the ESF pins do not have drilling ends. Otherwise insertion of an ESF pin directly into the bone may cause impaction, micro-fracturing of the bone & excessive heat production with bone necrosis, all of which can lead to pin loosening. A drill bit that is about 10% smaller than the shank (core) diameter of the pin, or at least 0.1mm smaller should be used. A slow speed (electric) drill at about 150rpm is advisable, using flush to cool the pin & minimise heat generated in the bone that could cause bone necrosis & pin loosening. An appropriate drill guide is used to protect the soft tissues & minimise drill wobble & skidding. Once the hole is drilled, a K-wire can be used to maintain the pin tract (before the drill guide is removed) so it can be easily re-identified once the ESF pin is ready to be inserted.

- H090202** 1.9mm Pre-Drill For 2.0mm Shank Positive Pin
- H090203** 2.3mm Pre-Drill For 2.4mm Shank Positive Pin
- H090205** 3.0mm Pre-Drill For 3.2mm Shank Positive Pin
- H090207** 3.8mm Pre-Drill For 4.0mm Shank Positive Pin
- H090101** 1.5mm Pre-Drill For 2.0mm Shank Negative Pin
- H090102** 2.0mm Pre-Drill For 2.4mm Shank Negative Pin
- H090104** 2.7mm Pre-Drill For 3.2mm Shank Negative Pin
- H090106L** 3.5mm Pre-Drill For 4.0mm Shank Negative Pin



Subject to the level of budget available & the type of clinical work you are conducting, there is a system available to meet your clinical needs.

As the adoption of battery powered Surgical Power Tools becomes more prevalent, the chapter is structured to reflect the evolving nature of this particular technology.

However, for those users who still prefer a traditional pneumatic system, this technology can be found in the middle of the chapter.

With any specialist medical device, routine servicing & subsequent maintenance is recommend.

If your Surgical Power Tool fleet has not had any form of routine maintenance, following the end of the initial product warranty period, please contact Vi to review the options available to you, ensuring your devices are fully functional & in a as good as new condition.



To view the Surgical Power Tool area of our website, scan the QR code:





Structured Payment Plans

Are you looking for creative ways to acquire specialist equipment without the initial capital outlay?

We have designed a range of structured payment plans, including split payment terms over terms suitable to your Practice.

How To Meet
The Evolving
Needs Of
Your Practice



ViPP

A true partnership approach, take advantage & deliver quantifiable rewards for you & your practice by joining over 35 other Practices who have recently joined our **Partnership Programme**.

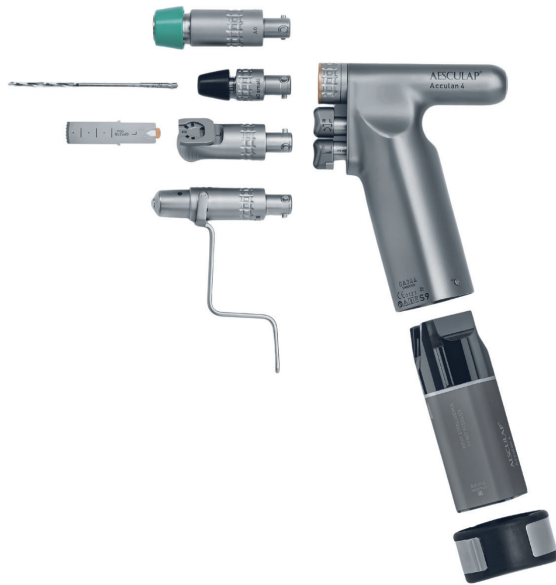


Loan System

With a spike in demand for procedures expected as lockdown measures are eased, is the fleet of equipment at your Practices disposal adequate?

For a nominal fee, Vi have a range of **specialist loan kits** available to complement your own fleet. With next working day availability, the service offers flexibility as procedures are booked with your clients.

Acculan 4 Drill



The configuration outlined below, offers users a typical configuration for the Acculan 4 drill system.

This includes a dedicated Instrument Basket & Sterile Container which provide an effective means of storing & transporting your drill system to & from the operating room.

Drill includes:

- GA678 - Sterile Funnel**
- GA344244 - K-Wire Protection Guide (not listed)**
- GA600880 - Sterilit Spray Adapter**

- GA344** Acculan 4 Small Drill
- GA675** Acculan 4 Lid
- GA678** Sterile Funnel
- GA679** Battery Removal Device *Optional*
- GA344244** K-Wire Protection Guide
- GA600880** Sterilit Spray Adapter
- GB881R** Jacobs Chuck
- GB884R** Drill Attachment AO Small
- GB891R** Sagittal Saw Attachment
- GB892R** Reciprocating Saw Attachment
- GB894R** K-Wire Driver
- GB870R** Reamer Attachment Large Jacobs Chuck
- JF282R** Basket For JN096
- JF289R** Basket Lid For JF282R
- JF938** Silicone Mat Mesh Fitting 1/2 Basket
- JN096** Dental Sterile Container & Lid

Acculan 4 TPLO Saw



Like with the small drill system, the below outlines a typical configuration.

- GT666** Acculan 4 TPLO Straight Handpiece
- GA675** Acculan 4 Lid
- GA678** Sterile Funnel
- GA679** Battery Removal Device *Optional*
- JF282R** Basket For JN096
- JF289R** Basket Lid For JF282R
- JF938** Silicone Mat Mesh Fitting 1/2 Basket
- JN096** Dental Sterile Container & Lid

Acculan 4 Charging Unit & Battery

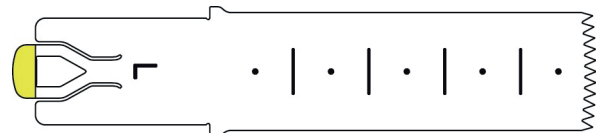


- GA320** Battery Charger
- TE734** UK Mains Cable
- GA346** Battery Li-ion

Surgical Power Tool Lubrication

- GB600** Sterilit Oil
- GB600880** Sterilit Oil Spray Adaptor

Acculan 4 Sagittal Saw Blades



- GP501R** Saw Blade L Sagittal 15/5/0.5
- GP502R** Saw Blade L Sagittal 15/10/0.5
- GP504R** Saw Blade L Sagittal 20/5/0.5
- GP505R** Saw Blade L Sagittal 20/10/0.5
- GP514R** Saw Blade L Sagittal 25/5/0.7
- GP515R** Saw Blade L Sagittal 25/10/0.7
- GP516R** Saw Blade L Sagittal 25/15/0.7
- GP518R** Saw Blade L Sagittal 35/10/0.5
- GP521R** Saw Blade L Sagittal 35/5/0.5
- GP522R** Saw Blade L Sagittal 35/10/0.7
- GP523R** Saw Blade L Sagittal 35/15/0.7
- GP524R** Saw Blade L Sagittal 35/20/0.7
- GP535R** Saw Blade L Sagittal 50/10/0.8
- GP536R** Saw Blade L Sagittal 50/15/0.8
- GP537R** Saw Blade L Sagittal 50/20/0.9
- GP538R** Saw Blade L Sagittal 50/25/0.9
- GP539R** Saw Blade L Sagittal 50/30/0.9

Vi's Black Series Surgical Power Tool system is a drill & saw system, powered through battery technology.

With its steel construction & motors manufactured in Germany, the result is an Animal Health specific system which is quiet & reliable in its performance, whilst being robust to meet the challenges of a modern day Practice.

The system is an excellent tool for users who are taking their first steps in adopting a powered tool & able to complete bone dissection approaches, which require powered intervention, at a basic & intermediate level.

All Black Series components come with an initial one year warranty.

With any specialist medical device, routine maintenance is required, & the Black Series is no different, ensuring the reliability & functionality of the system isn't compromised during use.

Failure to have the system maintained on an annual basis, increases the likelihood of the system failing during use, as key components naturally become worn, leading to an increased risk of potential injury to patient or user during use.

Not servicing your Power Tool fleet will also result in a shorter life span & reduce the value generated from your initial investment.



Vi Black Series Battery Powered Drill/Saw Set



The Vi Black Series Drill/Saw Set contains:

- Black Series Drill
- Black Series Saw
- 1x Battery Conditioning Charger
- 2x Batteries
- 2x Battery Transfer Sleeves
- 2x Storage Cases

BLACKKIT
BLACKBAT

Vi Black Series Drill/Saw Set
Vi Black Series Spare Battery

Vi Black Series Battery Powered Drill



Supplied complete with battery, battery charger, battery transfer sleeve & storage case.

The drill has a reverse & is fitted with a 4.8mm capacity three jaw chuck with 3.0mm through cannulation for driving smaller pins, wires & drill bits.

Drill max speed: 0-1100RPM
Drill max noise: <40dB
Drill weight: 990g

BLACKDRILL
BLACKBAT
BLACKCHUCKKEY

Vi Black Series Drill Set
Vi Black Series Spare Battery
Vi Black Series Drill Spare Chuck Key

Vi Black Series Conditioning Charger



VIBLKCHGUK
VIBLKCHGEU
VIBLKCHGUSA

Vi Black Series Conditioning Charger (UK)
Vi Black Series Conditioning Charger (EU)
Vi Black Series Conditioning Charger (USA)

Vi Black Series Battery Powered Surgical Saw



Supplied complete with battery, battery charger, aluminium battery transfer sleeve & storage case.

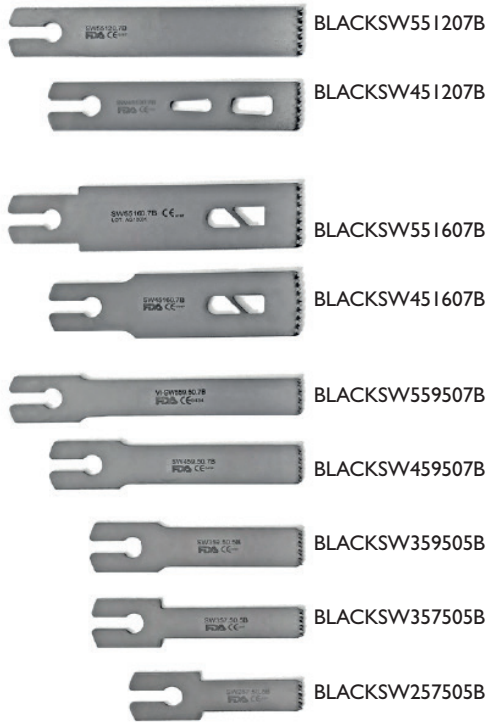
Saw speed: 0-15000 osc/min
Saw max noise: <50dB
Saw weight: 782g

BLACKSAW Vi Black Series Saw Set
BLACKBAT Vi Black Series Spare Battery

Vi Black Series Saw Blades

We stock a range of Black Series Saw Blades which have been specifically designed for Veterinary patients.

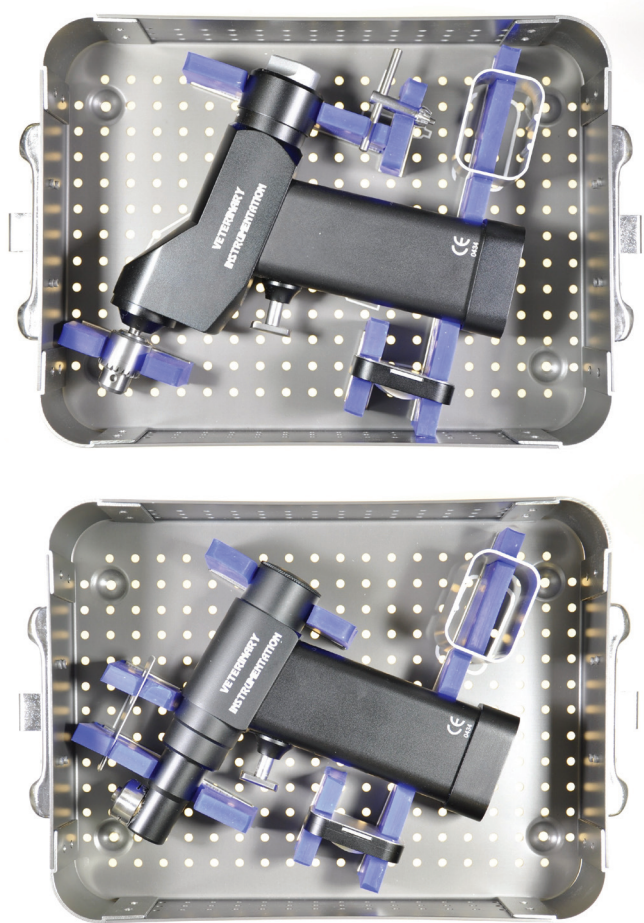
Ideal for TTA/TTO style cruciate surgeries, other elective osteotomies & excisional arthroplasty.



Blades not to scale

	CUT THICKNESS	WORKING LENGTH	WIDTH
BLACKSW257505B	0.75	20	7.5
BLACKSW357505B	0.75	30	7.5
BLACKSW359505B	0.75	30	9.5
BLACKSW459507B	0.95	40	9.5
BLACKSW451207B	0.95	40	12
BLACKSW451607B	0.95	40	16
BLACKSW559507B	0.95	50	9.5
BLACKSW551207B	0.95	50	12
BLACKSW551607B	0.95	50	16

Black Series Aluminium Steriliser Cases



Designed specifically for the Vi Black Series Drill & Saw & suitable for use in larger autoclaves. Cases outer dimensions are 300x205x70mm.

BLACKDRILL-SC Sterilisation Case For Black Series Drill

BLACKSAW-SC Sterilisation Case For Black Series Saw

Vi Pneumatic Powered Modular Power Tools

As Surgical Power Tools, driven by pneumatic technology are replaced by their battery powered counterparts, as this type of technology continues to become more popular with users, due to the flexibility & convenience afforded to users, whilst also ensuring a more consistent power output & bone dissection, the result is the reduction in the adoption of pneumatic systems.

K200 MiniDriver Handpiece



Fully re-furbished to the new K200 standard, the handpiece is the centre of the modular system.

Handpiece has forward & reverse button plus locking trigger.

Power output with medical air at 7bar input is 0.78 Newton Meters.

Speed variable 0-1100rpm.

K200VI K200 Handpiece

K111 Wire Driver



Re-attachment of osteotomies or small bone fragments is often best achieved using 'K' or arthrodesis ('A') wires. Driving a long pin in a chuck often results in bending & kinking making driving difficult. Incrementally advancing the wire through a chuck is often a time consuming. The wire driver allows the easy incremental advancement of the wire through the handpiece via the use of a clutch arrangement.

K111VI Wire Driver 0.7mm To 1.8mm

K211 Pin Driver



Similar to the Wire Driver in operation the Pin Driver has a larger capacity (1.6m to 4mm).

K211VI K211 Pin Driver 1.6 To 4mm

K110 Small (4mm) Jacobs Chuck



Both Jacobs Chuck Attachments are through cannulated for driving long pins. 4mm Capacity with Key.

K110VI K110 4mm Chuck Attachment

K109 Large (6.25mm) Jacobs Chuck

Both Jacobs Chuck Attachments are through cannulated for driving long pins. 6.25mm Capacity with Key.

K109VI K109 6.25mm Chuck Attachment

K210 Hi Torque Large (6.25mm) Jacobs Chuck



Using the standard chucks the MiniDriver has a torque of 0.78 Newton Meters, which makes heavy weather of driving large pins without pre-drilling.

By adding a set of gears the chuck speed is reduced but the stall torque is increased to 2.8 Newton Meters ideal for driving pins.

K210VI K210 Hi Torque 6.25mm Chuck Attachment

K107VI & K108VI Keyless Chuck Attachment



Chuck Keys wear quickly, become lost & can be awkward to use in some situations. The Keyless Chuck, as are found on most DIY drills allow the surgeon to quickly switch drills & pins without a key.

The distal part of the Chuck is held using fingers & the chuck opened or closed by engaging the drill in either the forward or reverse drive respectively. The downside is that the Chuck is slightly bulkier than the keyed equivalent.

K108VI Keyless Chuck Attachment 0 - 3.2mm

K107VI Keyless Chuck Attachment 0 - 6.3mm

K114B AO Quick Release Attachment

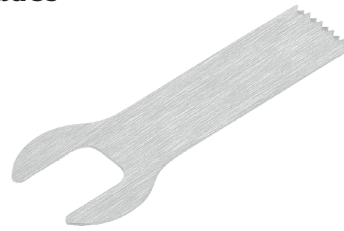


Many drills & taps are available with a quick release fitting, the most common of which is to the Synthes or AO standard.

Drills may be changed quickly without the use of a chuck key. The original version was made from relatively soft aluminium. The re-manufactured K114B is made from stainless steel & is easier to use than the original.

K114BVI K114B AO Quick Release Attachment

K220 Blades



	CUT THICKNESS	LENGTH	WIDTH
K141	1.0mm	14.2mm	6.4mm
K142	1.0mm	30.0mm	6.4mm
K144	1.0mm	30.0mm	10.2mm
K146	0.65mm	27.4mm	19.0mm
K147	0.65mm	27.4mm	14.0mm
K148	0.65mm	27.4mm	9.5mm
K149	0.65mm	42.7mm	19.1mm
K152	0.65mm	30.0mm	6.4mm
K154	0.65mm	42.7mm	9.5mm
K155	0.65mm	42.7mm	14.0mm

K220 Mark II Sagittal Saw



The Mark II Saw is more robust in construction than the K120 Saw. Blade attachment is by use of a Hex Wrench. While this gave a more rigid attachment of the blade to the saw it was also the weak point of the attachment.

We have re-engineered the blade holding mechanism to make it stronger & made the whole attachment from stainless steel.

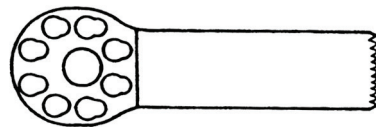
The Mark II Saw drives a larger range of blades including longer ones up to 42mm useful in the TTO & TTA procedures.

K220VI K220 Mark II Sagittal Saw Attachment

K201VI Replacement Wrench For K220K

K120 Blades

Actual Size



K124

K134

	CUT THICKNESS	LENGTH	WIDTH
K121	1.0mm	15.1mm	6.4mm
K122	1.0mm	31.0mm	6.4mm
K123	1.0mm	15.1mm	10.4mm
K124	1.0mm	31.0mm	10.4mm
K125	1.0mm	15.1mm	16.5mm
K131	0.7mm	15.1mm	6.4mm
K132	0.7mm	31.0mm	6.4mm
K133	0.7mm	15.1mm	10.4mm
K134	0.7mm	31.0mm	10.4mm

MiniDriver Hose

The Standard Hose is a 3m long double hose which vents back at the wall gas outlet or the regulator. In the UK the standard drive gas is bottle sterile Medical Air delivered at 7bar (100psi). Elsewhere in the world Nitrogen may be used.

The Standard Hose supplied is fitted with an MA7 gas probe (medical air at 7bar) which prevents connection to other gases e.g. Oxygen.

3MH05VI MiniDriver Hose

3MH05VIUS MiniDriver Hose US Schrader

Vi Battery Powered TPLO Saw

For clinicians who prefer a dedicated TPLO saw handpiece, rather than a modular pistol shaped handpiece & dedicated TPLO attachment, our battery powered handpiece is a fitting offering to meet this requirement.

A dedicated saw handpiece also ensures the users eyeline is aligned to the main body of system, giving users excellent sight of the operating field.

Straight saw system constructs, have also being attributed to delivering a more comfortable & convenient positioning within the users hands, offsetting any potential hand fatigue during surgery.

Vi Battery Powered TPLO Saw



Supplied with:

- Transportation Case
- Saw
- Batteries x2
- Conditioning Charger
- Sterile Battery Transfer Sleeve

A sterilisation case is also available.

- VITPLOSAW** Vi Battery Powered TPLO Saw
- VITPLOSAW-SC** Vi TPLO Sterilisation Case
- VITPLOCHGUK** Vi TPLO Saw Conditioning Charger (UK Plug)
- VITPLOCHGEU** Vi TPLO Saw Conditioning Charger (EU Plug)
- VITPLOCHGUSA** Vi TPLO Saw Conditioning Charger (US Plug)

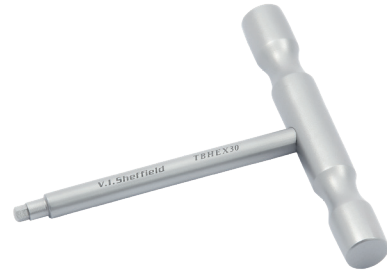
TPLO Saw Blades Vi Pattern



Vi's updated TPLO Blade has been redesigned to further reduce friction & improve cut characteristics in all sizes.

- TPLOVI12** TPLO Blades Vi Pattern 12mm
- TPLOVI15** TPLO Blades Vi Pattern 15mm
- TPLOVI18** TPLO Blades Vi Pattern 18mm
- TPLOVI21** TPLO Blades Vi Pattern 21mm
- TPLOVI24** TPLO Blades Vi Pattern 24mm
- TPLOVI27** TPLO Blades Vi Pattern 27mm
- TPLOVI30** TPLO Blades Vi Pattern 30mm
- TPLOVI34** TPLO Blades Vi Pattern 34mm

TPLO Saw Hex Driver 'T' Bar Type



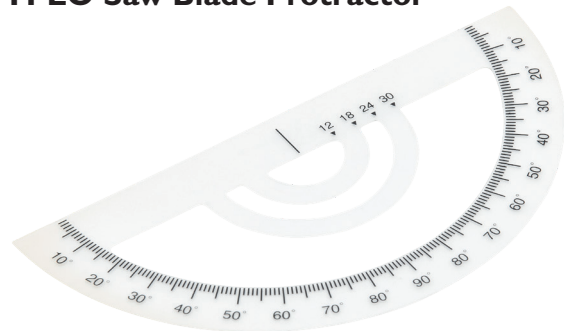
The fitting on most TPLO Saw Blades is of the triangular Stryker Type. The means of attachment to the saw is by Hex Drive Grub Screws which are notorious for working loose.

Our 'T' Bar Hex Drivers allow the surgeon to quickly, easily & firmly attach the blade to the saw.

Available in 2.5mm (Slocum), 3.0mm (Aesculap) & 3.2mm (Whittemore/ Vi).

- TBHEX25** 2.5mm 'T' Bar Hex Driver (Slocum)
- TBHEX30** 3.0mm 'T' Bar Hex Driver (Aesculap)
- TBHEX32** 3.2mm 'T' Bar Hex Driver (Whittemore/ Vi)

TPLO Saw Blade Protractor



Use to accurately measure the tibial plateau slope. In addition the protractor is marked with blade outline to further assist in the planning of the TPLO procedure.

TPLOPRO TPLO Protractor

Description	Vi Code	Hex Driver	Vi Code
Whittemore Saw			TBHEX 32 (T BAR)
Grub Screw	TPLOSCREW	1/8"	TPLOHEX 32 (Allen Key)
Slocum Saw Screw	SLOSCREW	2.5MM	TBHEX 25 (T BAR)
Aesculap Saw Grub Screw	SPECIAL ORDER FROM AESCULAP	3.0MM	TBHEX 30 (T BAR)
TPLO Jigs	JIGSCREW	2.5MM	F07020130 (Allen Key)
Arthroscopic Distractor	JIGSCREW	2.5MM	TBHEX 25 (T BAR)
			015507 (SDRIVER)
FESSA 6mm	015509	1.5MM	015508 (Allen Key)
			015516 (SDRIVER)
FESSA 8mm	015520	2.0MM	015517 (Allen Key)

Multi Saw Battery Powered System

This multi-functional oscillating saw can be used for powered bone dissection, where an oscillating motion is required & also acts as a dedicated cast cutter.

The saw is supplied as a kit & includes a charging unit, two batteries, & a blade, S82-103, which is universal oscillating blade from our partners at De Soutter. A wider range of blades are available & outlined within this section of the chapter.

We recommend the saw is always used at its maximum speed & power output capacity, however the system does provide a function to control the speed, increasing or decreasing how the user sees fit during any osteotomy.

Examples of where this system can be utilised, but not limited to, are outlined below:

- Total Femoral Head & Neck Excision
- TPLO Wedge Osteotomies
- TTA



001708	Multi Saw Surgical Kit incl Converter, Shroud, Titanium Nitride Coated Blade & S82-103 Blade
001708.134	Multi Saw Surgical Kit incl Converter, Shroud, Titanium Nitride Coated Blade & SB5071-134 Blade Suitable for TTO & TTA Rapid
001702	Stainless Converter (c/w Spanner)
001703	Waterproof Shroud For Multi Saw
001705	Multi Saw Diamond Blade
001714	Multi Saw Titanium Nitride Coated Blade
MI2B2MIL	Spare Battery For Multi Saw (Milwaukee)

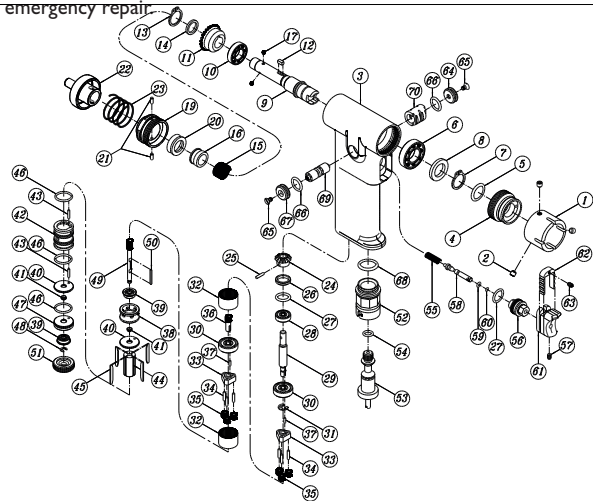
POWER TOOL SERVICE & REPAIR

Power tools can transform surgery when working properly but can be very frustrating when working sub-optimally or if they fail mid procedure.

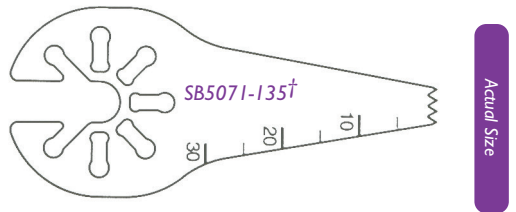
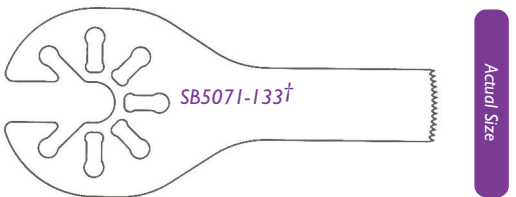
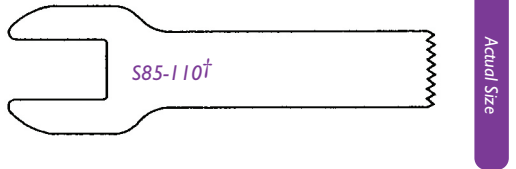
Regular maintenance is the key to a long shelf life, with periodic service or repair is essential to replace worn parts.

Veterinary Instrumentation offers a full repair service for most power tools & their accessories. We work directly with the manufacturers who are best placed to provide the correct parts for your machine.

As with any machine, to minimise failure in use, a regular service programme is ideal. Service loaners are available provided we have sufficient notice. We may not be able to offer a loaner for an emergency repair.

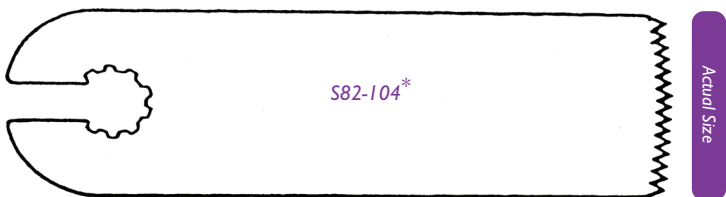
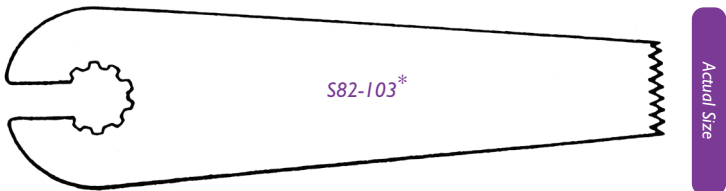
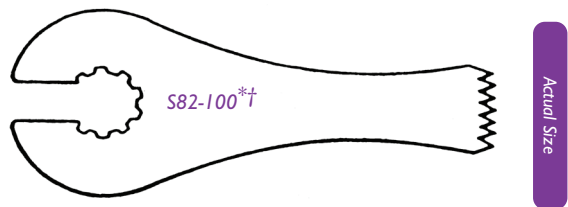


Multi Saw Blades



*Also fits Desoutter MI71/MI72

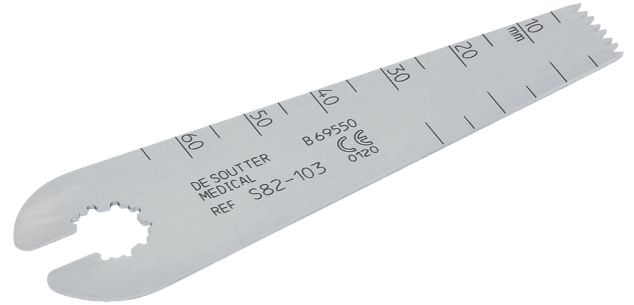
† Suitable for use with TTO & TTA Rapid Sawguide



Surgical Blades

Other patterns available - please call the Technical Support Team for full listing.

All blades with a central hole bigger than 6mm will fit the Multi Saw.



	THICKNESS	CUT	LENGTH	WIDTH
S82-100	0.5mm	0.9mm	45mm	12mm
S82-103	0.81mm	1.2mm	70mm	12mm
S82-104	0.81mm	1.2mm	70mm	25mm
SB5071-134	0.38mm	0.6mm	41mm	9.0mm
SB5071-135	0.6mm	0.8mm	30mm	5.0mm
SB5071-133	0.38mm	0.6mm	25mm	9.5mm
S85-110	0.4mm	0.7mm	33mm	10.0mm

Variable Speed Orthopaedic Drill (Milwaukee) & Accessories

The drill system is from an industrial background, modified for the Animal Health industry.

Manufactured by Milwaukee, the system offers clinicians who are looking to adopt this type of specialist technologies the opportunity to do so, without any initial significant outlay, building experience & competency with a powered tool, before transitioning to a specialist & dedicated system, required to complete Orthopaedic procedures that are of a more technical & advanced nature.

- Excellent control over speed 0-600rpm via trigger
- Stainless Steel Chuck (6.35mm capacity) & Extension
- 80mm through Chuck cannulation
- Autoclavable Shroud
- Low Speed, High Torque
- Supplied as a Complete Kit including Stainless Chuck, Key, Extension, Autoclavable Shroud, 2 Batteries & a Charger.



- 001600** Variable Speed Orthopaedic Drill (Milwaukee) Kit - Drill, Chuck, Key, Shroud, Extension & 2x Batteries
- 001605** Spare Chuck (& Key) 1/4" 6.35mm
- 001606** Spare Key For Standard Chuck
- 001607** Drill Extension
- 001661A** Waterproof Shroud
- M12B2MIL** Spare Rechargeable Battery - Milwaukee Drill
- 34313** Battery Charger/Replacement - Milwaukee Drill

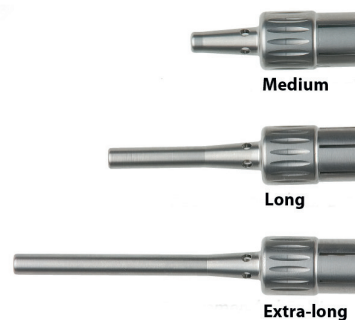
Halls (Linvatec) Spinal Bur System Surgairtome II



This is the current replacement for the Minos A200. Similar performance to the Minos but has an air brake, so the bur stops immediately the trigger is released. Not as robust as the Minos as the drive is through gears but preferred by some surgeons e.g. Simon Wheeler.

- 505800** Surgairtome II Kit. Includes Hose Medium Bur Guard & Motor
- 5058** Surgairtome Motor
- HALLHOSEVI** Vi Hose – Halls Fitting

Bur Guards



- VIMBG** Medium Bur Guard For Burs 45-51mm Long
- VILBG** Long Bur Guard For Burs 70mm Long
- VIXBG** Extra Long Bur Guard For Burs 95mm Long

Halls Bur Guards

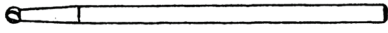
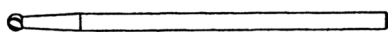
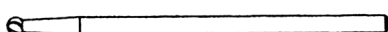



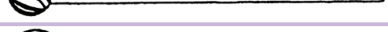
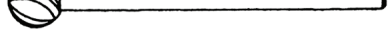
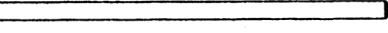
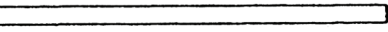
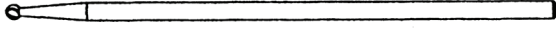
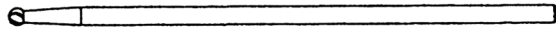
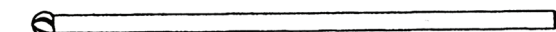
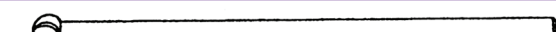



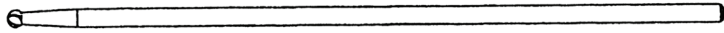
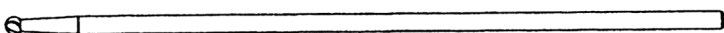
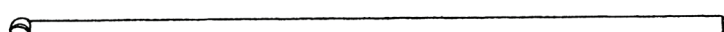




Spinning at 100,000 rpm the shaft needs support. These are the original Halls Guards.

- I375-023** Extra Long Halls Bur Guard
- I375-011** Long Halls Bur Guard
- I375-012** Medium Halls Bur Guard

Burs

All surgical burs have a 2.36mm shank (HP fitting) & will fit in all high speed surgical bur machines e.g. 3M's Minos, Halls Surgairtome & Freedom. We have selected Komet burs for their high quality. All are single pack & non sterile. In human surgery, burs are regarded as disposable items. In veterinary surgery the cost precludes using burs as disposables. However, use of burs which are less than sharp extends procedure time & creates heat. We do advise that burs are checked & changed on a regular basis. Diamond burs are sharper & create less heat than carbide equivalents. Adequate irrigation is essential. Please see chart for options.

BURS		HEAD OVERALL BUR			ORDER	ORDER
BUR TYPE	<i>illustrations are actual size</i>	SIZE	LENGTH	GUARD	CODE (Carbide)	CODE (Diamond)
		1.8	51mm	Medium	M18R	-
		2.1	51mm	Medium	-	M20D
		2.1	51mm	Medium	M20R	-
		2.3	51mm	Medium	M23R	-
		2.9	55mm	Medium	-	M30D
		3.0	51mm	Medium	M30R	-
		4.0	51mm	Medium	M40R	M40D
		5.0	51mm	Medium	M50R	-
		6.0	57mm	Medium	-	M60D
		6.0	51mm	Medium	M60R	-
		1.8	70mm	Long	L18R	-
		2.0	70mm	Long	L20R	L20D
		3.0	70mm	Long	L30R	L30D
		4.0	70mm	Long	L40R	L40D
		5.0	70mm	Long	L50R	L50D
		6.0	70mm	Long	L60R	L60D
		6.5	70mm	Long	L65R	-
		2.0	95mm	Extra Long	X20R	X20D
		2.3	95mm	Extra Long	X23R	X23D
		3.0	95mm	Extra Long	X30R	X30D
		4.0	95mm	Extra Long	X40R	X40D
		5.0	95mm	Extra Long	X50R	X50D

Bur Stands



BUR6 Basic Bur Block For 6 Burs (Supplied Empty)



Through our partnership with the market leading Surgical & Medical Instrument manufacturing company from the Human Health field, ComMed corporation, Vi deliver a comprehensive range of products, all validated with the appropriate clinical & regulatory evidence.

For this specialist technique & minimally invasive approach, the range ensures users can access general Arthroscopic Instrumentation with **over 50** different pattern types, Suture Anchors, a resection system with irrigation & the Edge system, a Bipolar Arthroscopic radiofrequency system, for soft tissue resection, ablation & coagulation, enabling you or your Practice to conduct Arthroscopic surgery through a single reputable source.

This partnership also delivers a cost saving or avoidance of up to **10%**, on other industry suppliers, all without any compromise on quality & the longevity of the devices adopted & crucially patient outcomes.

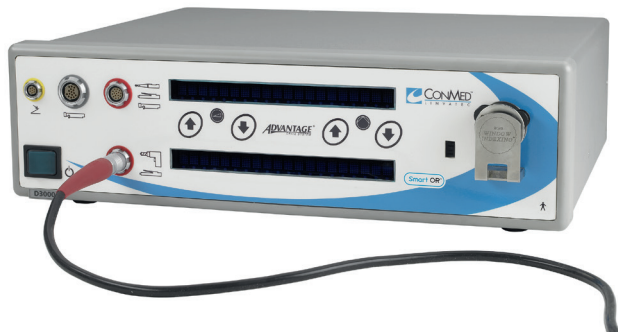
If you or your Practice are exploring the adoption of this specialism, please contact Vi to arrange a consultation.

Scan the QR code below to view the Arthroscopy section of our website.



Pump & Shaver Systems

Arthroscopy Shaver System Main Console Unit



Whilst stocks last, we have a limited volume of ex demo D3000i systems. Please contact Vi to find out more.

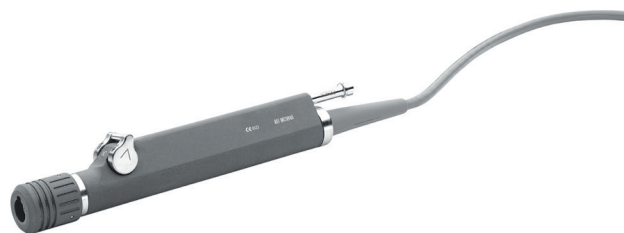
CON-D3000I Arthroscopy Shaver System Main Console Unit



CON-D4000 Arthroscopy Shaver System Main Console Unit
CON-UKC7105 ConMed UK Mains Cable For D3000i & D4000 System



CON-C9863 Wired Foot Control For ConMed Arthroscopy Shaver Systems



CON-MC9840 Microchoice Micro Shaver Handpiece
 For D3000i Or D4000 Systems

Shaver Blades



- CON-C9940** 2mm Micro Hub Sterling® Blade Full Radius Resect 76mm Ewl
- CON-C9941** 2.9mm Micro Hub Sterling Blade Full Radius Resect 76mm Ewl
- CON-C9942** 3.5mm Micro Hub Sterling Blade Full Radius Resect 76mm Ewl
- CON-MC9248** 3.5mm Micro Hub Sterling Blade Full Radius Resect 130mm Ewl
- CON-M9247A** 4.2mm Micro Hub Sterling Blade Full Radius Resect 130mm Ewl
- CON-MP9249** 4.2mm 15° Micro Hub Merlin Blade Full Radius Resect 130mm Ewl
- CON-MP9376** 4.2mm Micro Hub Merlin Blade Full Radius Resect 130mm Ewl
- CON-C9960** 2mm Micro Hub Sterling Blade Gator 76mm Ewl
- CON-C9961** 2.9mm Micro Hub Sterling Blade Gator 76mm Ewl
- CON-C9962** 3.5mm Micro Hub Sterling Blade Gator 76mm Ewl
- CON-MC9264** 3.5mm Micro Hub Sterling Blade Gator 130mm Ewl
- CON-M9263A** 4.2mm Micro Hub Sterling Blade Gator 130mm Ewl
- CON-MC9262** 4.8mm Micro Hub Sterling Blade Gator 130mm Ewl
- CON-MP9366** 4.8mm Micro Hub Merlin Blade Gator 130mm Ewl
- CON-C9912** 3.5mm Micro Hub Sterling Bur Spherical 76mm Ewl
- CON-MH9111** 4.5mm Micro Hub Sterling Bur Spherical 130mm Ewl

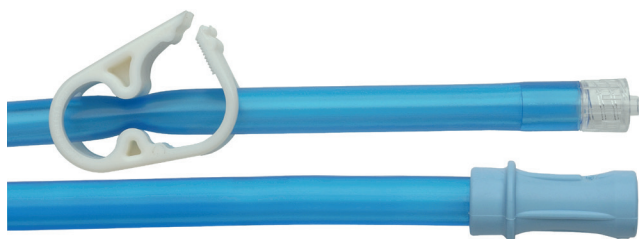
Pump & Irrigation

Intuitive high performance pump:

- Ease of use
- Superior performance
- Peristaltic irrigation system
- Allows surgeon to maintain a clear surgical field



CON-10K ConMed 10k® Irrigation System Console



CON-10K150 10k100 Arthroscopic Inflow Only Tubing Set Pack Of 10



**@Veterinary
Instrumentation**

We are now on YouTube!

Keep up to date with our latest
video content by following us on
YouTube.

Athroscopic Instrumentation

Blunt Tip Shutt®



Smooth & curved bite, blunt tip
 Shaft: Diameter of 3.4mm & length of 130mm

- CON-1.1001 Straight
- CON-1.1631 15° Up

B-Scoop Shutt®



Smooth & curved bite, blunt tip
 Shaft: diameter of 3.4mm & length of 130mm

- CON-1.1002 Straight
- CON-1.1212 30° Left
- CON-1.1222 30° Right
- CON-1.1632 15° Up

Mini-Tip Shutt®



Smooth & curved bite, low profile blunt tip
 Shaft: diameter of 2.75mm & length of 130mm

- CON-2.1003 Straight
- CON-2.1113 30° Left
- CON-1.1123 30° Right
- CON-1.1632 15° Up

Shaft: diameter of 3.4mm & length of 130mm

- CON-1.1633 15° Up

Square Trimmer (SST) Shutt®



Smooth & curved bite
 Shaft: diameter of 2.75mm & length of 130mm

- CON-2.1039 Straight
- CON-2.1639 15° Up

Shaft: diameter of 3.4mm & length of 130mm

- CON-1.1039 Straight
- CON-1.1639 15° Up

Low Profile Shutt®



Straight bite with tooth, narrow
 Shaft: diameter of 2.75mm & length of 130mm

- CON-32.10019 Straight
- CON-32.16319 15° Up

Shovel Nose Shutt®



Wide bite, low profile
 Shaft: diameter of 3.4mm & length of 130mm

- CON-4.1003 Mini, Straight

90° Rotary Punch Shutt®



Curved bite of 90°
Shaft: diameter of 2.75mm & length of 130mm

- CON-41.10021 Right
- CON-41.10022 Left

Square

- CON-41.1001 Right
- CON-41.1002 Left

45° Punch Shutt®



Narrow blunt bite of 45°
Shaft: diameter of 2.75mm & length of 130mm

- CON-32.10013 Blunt Tip, Right
- CON-32.10014 Blunt Tip, Left
- CON-32.10017 Scoop Tip, Right
- CON-32.10018 Scoop Tip, Left

Shaft: diameter of 2.75mm & length of 130mm

- CON-31.10013 Blunt Tip, Right
- CON-31.10014 Blunt Tip, Left

90° Punch Shutt®



Wide blunt bite of 90°
Shaft: diameter of 3.4mm & length of 130mm

- CON-31.1001 Right
- CON-31.1002 Left

Agressor® Shutt®



Narrow blunt bite of 45°
Shaft: diameter of 2.75mm & length of 130mm

- CON-31.10034 Straight
- CON-31.16334 15° Up
- CON-31.16235 15° Left
- CON-31.16136 15° Right

Series 210

- CON-S210AFU 15° Up
- CON-S210AFL Left
- CON-S210AFR Right

Mini-Agressor Shutt®



Straight bite with three teeth, wide & narrow mouth
Shaft: diameter of 2.75mm & length of 130mm

- CON-32.10034 Straight
- CON-32.16334 15° Up

Shaft: diameter of 3.4mm & length of 130mm

- CON-31.10033 Straight
- CON-31.16333 15° Up
- CON-31.12133 Left
- CON-31.12233 Right

Retrograde Shutt®



Retrograde bite
Shaft: diameter of 3.4mm & length of 130mm

- CON-C3007.0 Straight, Left Bite
- CON-C3007.1 Straight, Right Bite
- CON-C3007.2 15° Up, Right Bite
- CON-C3007.3 15° Up, Left Bite

Linear Punch Concept®



Straight & narrow bite
Shaft: diameter of 3.3mm & length of 130mm

- CON-C6858 1.3mm, Tip Straight
- CON-C6806 Narrow, Straight
- CON-C6859 15° Up

Linear Wide Bit Punch Concept®



Straight & jagged bite, wide
Shaft: diameter of 3.3mm & length of 130mm

- CON-C6855 Straight
- CON-C6856 15° Up
- CON-C6857 15° Unswept
- CON-C6866 15° Blunt Nose
- CON-C6804 15° Up Left
- CON-C6805 15° Up Right

Linear Wide Oblique Punch Concept®



Straight & jagged bite, wide & beveled
Shaft: diameter of 3.3mm & length of 130mm

- CON-C6868 25° Up Left
- CON-C6869 25° Up Right

Rotary Punch Concept®



Curved bite, of 90°
 Shaft: diameter of 3.3mm & length of 130mm

CON-C8650 90° Left
CON-C8651 90° Right

Meniscal Lift Punch Concept®



Straight narrow bite
 Shaft: diameter of 1.7mm & length of 130mm

CON-C6700 Straight

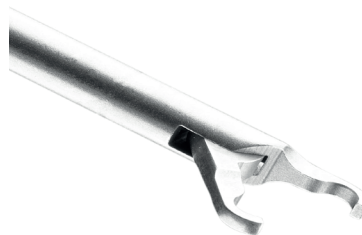
Retro Punch Concept®



Retrograde bite
 Shaft: diameter of 2.4mm & length of 130mm

CON-C6701 Left
CON-C6702 Right

Suture Retrieval Forceps Shutt®



Suture retriever
 Shaft: diameter of 3.4mm & length of 130mm

CON-16.1018 Left

Shaft: diameter of 3.4mm & length of 210mm

CON-S210SRF Series 210

Suture Snare™



Suture retriever with flat tip
 Shaft: diameter of 3.5mm & length of 138mm

CON-GU1003 Straight

Standard Scissors Shutt®



Arthroscopic scissors
 Shaft: diameter of 2.75mm & length of 130mm

CON-2.10012 Straight

Shaft: diameter of 3.4m & length of 130mm

CON-1.10012 Straight

Micro-Scissors Shutt®



Micro-scissors with curved bite
Shaft: diameter of 2.75mm & length of 130mm

- CON-2.10011 Straight
- CON-2.16311 15° Up

Shaft: diameter of 3.4mm & length of 130mm

- CON-1.10011 Straight
- CON-1.12111 30° Left
- CON-1.12211 15° Right

Shaft: diameter of 3.4mm & length of 210mm

- CON-S210MSC Series 210

Linear Punch Scissors Concept®



Arthroscopic scissors
Shaft: diameter of 3.3mm & length of 130mm

- CON-C6809 Straight
- CON-6860 15° Up

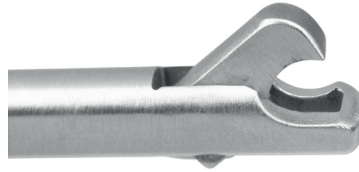
Rotary Scissors Concept®



Scissors with angulation 20°
Shaft: diameter of 3.3mm & length of 130mm

- CON-C6810 20° Left
- CON-C6811 20° Right

Suture Scissor



High strength suture cutter
Shaft: diameter of 3.4mm & length of 136mm

- CON-GUI005 Straight

Katana®



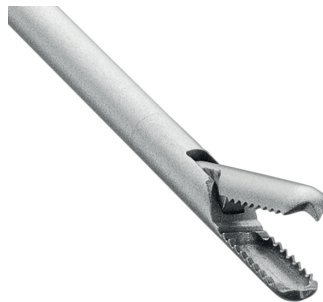
High strength suture cutter
Shaft: diameter of 4mm & length of 142mm

- CON-GUI009 Straight

Shaft: diameter of 4mm & length of 210mm

- CON-GUI009EL Straight

Alligator Grasper Shutt®



Toothed & hollow bite. Grasper with tooth at the tip
Shaft: diameter of 2.75mm & length of 130mm

- CON-12.1002 Straight, with Rattle

Shaft: diameter of 3.4mm & length of 130mm

- CON-11.1002 Straight, with Rattle

Shaft: diameter of 4.5mm & length of 130mm

- CON-18.1002 Straight, with Rattle

Grasping Forceps Shutt®



Toothed, hollow grasper
 Shaft: diameter of 2.75mm & length of 130mm

CON-12.1001 Straight, with Rattle

Shaft: diameter of 3.4mm & length of 130mm

CON-11.1001 Straight, with Rattle

CON-16.1001 Straight, with or without Rattle

Shaft: diameter of 4.5mm & length of 130mm

CON-18.1002 Straight, with or without Rattle

Shaft: diameter of 4.5mm & length of 130mm

CON-S210GSP Serie 210

Custom Grasping Forceps Shutt®



Toothed flat grasper
 Shaft: diameter of 2.75mm & length of 130mm

CON-17.1001 Straight, with or without Rattle

Shaft: diameter of 4.5mm & length of 130mm

Mouth depth 7mm & 4.5 width

CON-19.1001 Straight, with or without Rattle

Linear Grasper Concept®



Straight & toothed bite
 Shaft: diameter of 3.3mm & length of 130mm

CON-C6812 Large Body

Linear Alligator Grasper Concept®



Straight & toothed bite
 Shaft: diameter of 3.3mm & length of 130mm

CON-C6861 2.7mm Tip

Grasper Cupped Concept®



Straight & toothed bite
 Shaft: diameter of 3.3mm & length of 130mm

CON-C6703 Straight

Tissue Grasper



Flat toothed grasper
 Shaft: diameter of 3.5mm & length of 142mm

CON-GU1002 Straight

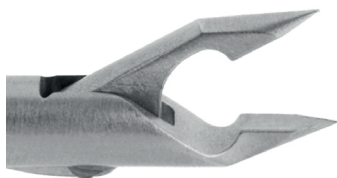
Suture Tram®



Suture passer, retrograde window
 Shaft: diameter of 3.3mm & length of 130mm

- CON-C6800** Retriever, Straight
- CON-C6860** Retriever, 15° Unswept

Raven™ Suture Passer



Suture passer, sharp tip
 Shaft: diameter of 3.5mm & length of 138mm

- CON-GU1004** Straight
- CON-GU1008** 35° Up

Seahawk™ Suture Passer



Suture passer, sharp tip
 Shaft: diameter of 3.4mm & length of 138mm

- CON-GU2000** Left, 40° Up
- CON-GU2001** Right, 40° Up
- CON-GU2002** RC Left, 30° Down
- CON-GU2003** RC Right, 30° Down

Small Joint Arthroscopy Handheld Instrumentation

Shutt Square Trimmer (SST) Blunt Tip Forceps



Smooth & curved bite
 Shaft: diameter of 2mm & length of 65mm

- CON-5.6009** Straight
- CON-5.60013** 15° Down
- CON-5.60014** 15° Up

Shaft: diameter of 2.75mm & length of 65mm

- CON-2.6009** Straight
- CON-2.60013** 15° Down

Shaft: diameter of 2mm & length of 90mm

- CON-5.7009** Straight

Shaft: diameter of 2.75mm & length of 90mm

- CON-2.7009** Straight

SST Scoop Tip Forceps



Smooth & curved bite
 Shaft: diameter of 2mm & length of 65mm

- CON-5.6004** Straight
- CON-5.60016** 15° Up

Shaft: diameter of 2.75mm & length of 65mm

- CON-2.60015** 15° Down

Shaft: diameter of 2.75mm & length of 90mm

- CON-2.7004** Straight
- CON-2.70015** 15° Down

45° Forceps



Smooth & Curved bite, 45° Angulation
Shaft: diameter of 2mm & length of 65mm

CON-35.60013 Blunt Tip, Right

CON-35.60014 Blunt Tip, Left

Shaft: diameter of 2.75mm & length of 65mm

CON-32.60013 Blunt Tip, Right

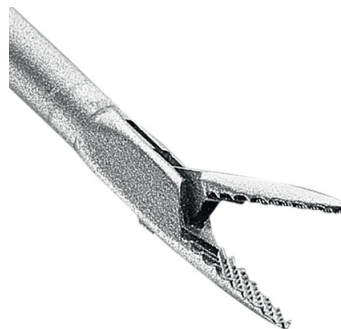
CON-32.60014 Blunt Tip, Left

Shaft: diameter of 2mm & length of 90mm

CON-35.70013 Blunt Tip, Right

CON-35.70014 Blunt Tip, Left

Mosquito Tip Graspers



Grasper with Mosquito Tip
Shaft: diameter of 2mm & length of 65mm

CON-15.6004 Straight

Shaft: diameter of 2.75mm & length of 65mm

CON-17.6004 Straight

Shaft: diameter of 2.75mm & length of 90mm

CON-17.7004 Straight

Standard Graspers



Grasper with teeth
Shaft: diameter of 2mm & length of 65mm

CON-15.6001 Straight

Shaft: diameter of 2.75mm & length of 65mm

CON-17.6001 Straight

Shaft: diameter of 2mm & length of 90mm

CON-15.7001 Straight

Shaft: diameter of 2.75mm & length of 90mm

CON-17.7001 Straight

ConMed Suture Anchor Range

A Partnership Approach To The Advancement Of Minimally Invasive & Orthopaedic Surgery



Advancing The Future of Animal Health Arthroscopy, Together

ConMed believe every product developed should be an answer, a solution to a challenge that their partners face.

That's why for **over 50 years**, ConMed have partnered directly with clinicians to develop a complete portfolio of advanced, high-performance products available for the Arthroscopy specialism.

This philosophy is embedded within ConMed's comprehensive suture anchors range, delivering anchors which deliver better placement options, a secure fixation & pull out strength which exceeds that of the competition & less bone removal, assisting users to deliver enhanced clinical outcomes for the patient.

With Clinicians like you, we are:

Advancing the Future of Minimally Invasive & Orthopaedic Surgery. Together.

Poplok® Knotless Suture Anchors

The all peek PopLok® Knotless Suture Anchors provide strength & reliability for instability repairs.

The sutures of PopLok anchors are locked within the anchor construct itself, meaning that fixation is less dependent upon bone quality for a more consistent & reliable implantation.

The anchor's innovative design allows surgeons to adjust suture tension once the anchor is seated in the pilot hole for maximum flexibility.

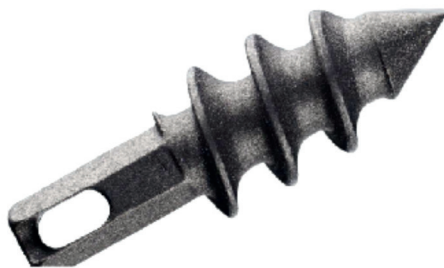


- CON-GKP-2801** 2.8mm PopLok® W/one #2 Hi-Fi® Suture
- CON-GKP-2802** 2.8mm PopLok® W/two #0 Hi-Fi® Suture
- CON-GKP-3301** 3.3mm PopLok W/one #2 Hi-Fi® Suture
- CON-GKP-3302** 3.3mm PopLok W/two #0 Hi-Fi® Suture
- CON-BKL-00M** PopLok 2.8mm/3.3mm Drill Bit
- CON-BGU-00M** PopLok Guide
- CON-BTR-00M** PopLok Obturator

Mini Revo® Suture Anchor System

The Mini Revo® system comes in two standard sizes, both pre threaded, with one constructed using a polyester Suture & one Hi-Fi® Suture.

With a screw in Titanium construct, this 2.7mm implant provides superior bone purchase for users.



- CON-C6109H** 2.7mm Mini Revo® Suture Anchor Threaded W/ #2 Hi-Fi® Suture
- CON-C6109A** 2.7mm Mini Revo® Suture Anchor Threaded W/ #2 Polyester Suture
- CON-C6110A** Mini Revo® Driver
- CON-C6116** Mini Revo® Drill Guide
- CON-C6115A** Mini Revo® Drill Bit, 1.5mm Diameter

Bio Mini Revo® Suture Anchor System

A new & innovative Implant, moving away from a traditional Suture Anchor construct. The Bio Mini Revo® system delivers to users & patients an absorbable Implant with a thread in style.

This technology delivers a proven screw in design which ensures optimal purchase in the bone, high pull out strength & is manufactured & patented from self reinforced 96L/4D PLA.



- CON-C6170H** Bio Mini Revo® w/One #2 Hi-Fi® Suture, Disposable Driver
- CON-C6175** 2.1mm Bio Mini Anchor Revo Drill Bit
- CON-C6172** Bio Mini Revo Drill Guide Serrated

Super Revo® Suture Anchor System

The largest size in the family, the Super Revo® is a 5mm self-punching Suture Anchor system.

Like the Mini Revo® range, this system is constructed from Titanium & delivers an Independent Suture Sliding (I.S.S.™) Eyelet which enables the Suture to slide freely during suture passing & knot tying.

The system is available pre-loaded on a sterile, disposable driver.

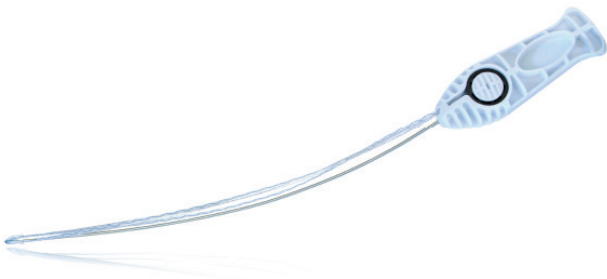


- CON-C6140H** 5mm Super Revo® Suture Anchor W/ Driver & Two #2 Hi-Fi® Sutures

Y-Knot Flex® All Suture Anchor System

A minimally invasive range of Suture Anchors, the Y-Knot Flex range delivers a system in either 1.3mm or 1.8mm sizes, with single or double-loaded #2 Hi-Fi® Suture, or 1.3mm tie-able Hi-Fi® Ribbon.

The range ensures minimal bone removal & a secure 360° FormFit™ Fixation within the bone. Curved & Percutaneous delivery options are also possible with this range.



Ordering information for the Y-Knot Flex range.

Implants:

CON-Y130I	Y-Knot® Flex All-Suture Anchor, 1.3mm – Single-Loaded With One Strand Of #2 Hi-Fi®
CON-Y1802A	Y-Knot® Flex All-Suture Anchor W/ Blue Suture, 1.8mm – Double Loaded With Two Strands Of #2 Hi-Fi®
CON-Y130IRW	Y-Knot® Flex All-Suture Anchor, 1.3mm – Single Loaded With One Strand Of Hi-Fi® Ribbon (White/Blue)
CON-Y130IRB	Y-Knot® Flex All-Suture Anchor, 1.3mm – Single Loaded With One Strand Of Hi-Fi® Ribbon (Blue)
CON-Y1802R	Y-Knot® Flex All-Suture Anchor, 1.8mm – Double Loaded With Two Strands Of Hi-Fi®

Drill Bits:

CON-Y13D	1.3mm Disposable Drill Bit
CON-Y18D	1.8mm Disposable Drill Bit
CON-Y13DHB	1.3mm Disposable Drill Bit, For Hard Bone

Standard Instrumentation:

CON-Y-G001	Drill Guide, Fishmouth
CON-Y-G002	Drill Guide, Crown
CON-Y-G003	Blunt Obturator
CON-Y-G004	Sharp Trocar
CON-Y-G005	Drill Guide, Fishmouth, For 1.8mm Anchor (Optional)
CON-Y-G006	Drill Guide, Crown, For 1.8mm Anchor (Optional)

Curved Instrumentation:

CON-Y-CG00	Curved Drill Guide
CON-Y-CG01	Curved Drill Guide, For 1.8mm Anchor (Optional)
CON-Y-OBT1	Disposable Flexible Obturator, Blunt
CON-Y-OBT2	Disposable Flexible Trocar, Sharp

Percutaneous Instrumentation:

CON-Y-PERC13	1.3mm Disposable Percutaneous Pack W/ T-Guide
CON-Y-PERC18	1.8mm Disposable Percutaneous Pack with T-Guide
CON-Y-PERC	Disposable Percutaneous Pack for Y-G00x Slim Reusable Guides
CON-C6178	Instrument Tray

Bipolar Arthroscopic RF System

The Edge system, is a Bipolar Arthroscopic radiofrequency system, for soft tissue resection, ablation & coagulation.

Should you wish to evaluate the technology, please contact your local Vi representative to arrange a trial.



CON-AES-I	Arthroscopic Energy Generator
CON-AES-FC	Arthroscopic Energy Foot Control
CON-C-7105	Arthroscopic Energy Generator 210V Power Cord 10ft
CON-AES-90SN	Arthroscopic Energy 90° Probe W/ Suction
CON-AES-50S	Arthroscopic Energy 50° Probe W/ Suction
CON-AES-30	Arthroscopic Energy 30° Probe

Arthroscopic Instrumentation

Arthroscopy Hand Instrument Set

Set of three arthroscopy Instruments for examination & intra-articular surgery. The two hand held knives can deal with most meniscal tears, whilst the black shaft of the hook probe minimises reflection.



- AR-17-19X** Pull Knife
- AR-17-11X** Push Knife
- AR-17-10** Hook Probe 2.2mm, With Stainless Handle Black Shaft
- AR-17-SET** Arthroscopy Hand Instrument Set

Arthroscopes

An Arthroscope is a rigid endoscope consisting of a system of lenses, which collects & transmits an image from the tip of the Instrument along the shaft to an eyepiece or camera. A light post close to the eyepiece allows light to be passed into the shaft & down optic fibres surrounding the lens system to illuminate the subject area at the tip.

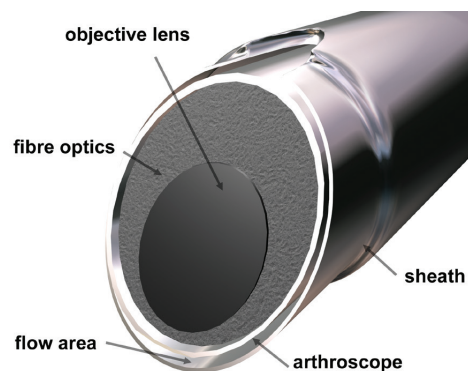
The diameter refers to the outside diameter of the unsheathed shaft of the telescope. Three sizes are commonly used in small animal Arthroscopy: 2.7mm, 2.4mm & 1.9mm. Arthroscope technology has improved so much that optically the new 2.4mm Arthroscope is as good as the older 2.7mm version. The 2.4mm arthroscope is fine for most procedures but can prove a little large in small elbows. As the diameter of the Arthroscope becomes smaller, there is less space for optical fibres, which has implications for light transmission & image size.

Recent improvements in construction such as the use of rod lens systems as opposed to optic fibres has improved the performance of the smaller Arthroscopes. Additionally the smaller Arthroscopes are fragile & care must therefore be exercised to avoid damage in use, cleaning & storage.

The viewing angle is the angle between the lens face & a line drawn at right angles to the long axis of the Arthroscope (see above right). A 0° scope views straight ahead from the front of the lens, while a 90° scope sees an image at right angles to the long axis of the scope. Most veterinary Arthroscopes have a viewing angle of 30°, which is a compromise between field of view & distortion. The user needs to be aware which way the lens is pointing.

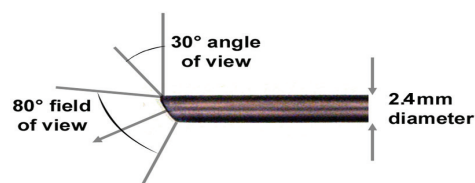
The light post is used as a reference point & is positioned opposite the angle of view. Rotating the scope along its long axis will allow the surgeon to view a large area within the joint with minimal repositioning. An oblique viewing angle does offer the surgeon a limited ability to see 'around corners'.

Each Arthroscope will require a dedicated sheath, which protects the Arthroscope as well as delivering fluid to the tip. The sheath reduces the effective working length & increases the working diameter of the arthroscope.



Schematic of the tip of a typical arthroscope

All Arthroscopes are now available in autoclavable versions. Autoclaving, especially of fine Arthroscopes, will significantly reduce the working life of the Instrument. Autoclavable Arthroscopes may be soaked & we recommend this method of sterilisation to preserve your Arthroscope. If your Arthroscope is not marked autoclavable, it may only be soaked.



Cannula Sets



- I-17-755** Working Cannula Set 'Shoulder & Elbow' Designed By VAN BREE D:2.3 / 2.9 / 3.5mm; WL:3.5-5cm & 7-8 cm, Includes Sharp Trochar & Changing Rod
- I-17-500** Working Cannula Set 'elbow' Designed By VAN BREE Consist Of 3 Cannulas D:2.3 / 2.9 / 3.5mm; WL:3.5-5cm. Includes 1 Sharp Trochar & 1 Changing Rod (2.3mm)
- I-17-700** Working Cannula Set 'shoulder' Designed By VAN BREE Consist Of 2 Cannulas D:2.9 / 3.5mm, WL:7-8cm. Includes 1 Sharp Trochar & 1 Changing Rod (2.8mm)



- I-18-518** Egress Cannula, With Sharp Trochar Stopcock ID 2.7mm WL 7cm

Please note, Arthroscopes are 'buy to order'. For further information on this product range, please contact our team of Technical Support Specialists on info@vetinst.com

Hand Instruments

Hand Instruments for investigation are designed to move or retract intra-articular structures & usually take the form of blunt probes or grasping forceps. Where intra-articular surgery or sampling is involved additional cutting Instruments will be required. Inserts for interchangeable hand Instrument (AR-17-00) are available.

Arthroscopic Hand Instruments

Hook Probe



AR-17-09S Hook Probe 2.2mm With Silicon Handle

Elevator



AR-17-13 Elevator Heavy 2.7mm With Metal Handle

Bayonet Knife



AR-17-03S Bayonet Knife 2.7mm With Silicon Handle

Banana Knife



AR-17-05S Banana Knife 2.7mm, with Silicon Handle

Curette



AR-17-06S Curette 2.7mm Curved With Silicon Handle

Ring Curette



AR-17-07S Ring Curette 2.7mm Small With Silicon Handle

Meniscus Knife



Hold tear with clamp & push knife against 'handle' to detach from body of meniscus.

AR-17-11S Meniscus Knife Smillie 2.7mm With Silicon Handle

Hook Knife



Use to hook under meniscal tears & detach handle from body of meniscus.

AR-17-19S Hook Knife 2.7mm With Silicon Handle

Arthroscopic Hohman Retractor

001049A Arthroscopic Hohman 4mm

Milling Drill Designed by Van Ryssen & Van Bree



This hand driven bur allows curettage of both cartilage & bone through the smallest working cannula. Much cheaper & easier than shaver systems.

I-17-822 Milling Drill For Arthroscopy Complete OD: 2.2mm WL: 12cm
I-17-821 Replacement Bur & Shaft

Gordon Coronoid Osteotome



Designed & developed by Ian Holsworth, this narrow osteotome is used for arthroscopic sub-total coronoidectomies.

AR-17-30 Gordon Coronoid Osteotome (4mm)
AR-17-29 Gordon Coronoid Osteotome (2mm)

Arthroscopic Punches, Biopsy Forceps, Rongeurs & Grasping Forceps

Arthroscopic forceps & rongeurs should be selected according to patient & portal size. A very small pair of grasping or cutting forceps will fit any portal but will be easily damaged if used on large fragments. Various designs are available for grasping cutting, or nibbling intra-articular structures.

2.7mm Instruments

2.7mm Instruments - working length 12cm with overstraining protection.

Alligator Grasping Forceps



AS-17-662 Alligator Grasping Forceps With Ratchet OD: 2.7mm

Universal Rongeur & Grasping Forceps



AS-17-632 Universal Rongeur & Grasping Forceps Fenestrated OD: 2.7mm

Biopsy & Spoon



AS-17-641 Biopsy & Spoon OD: 2.7mm With Overstraining Protection

3.4mm Instruments

Fenestrated without Ratchet OD: 3.4mm working length 12cm with overstraining protection.

Universal Rongeur & Grasping Forceps



AS-17-762 Universal Rongeur & Grasping Forceps

Shoulder Aiming Device

Developed & tested at the Veterinary Faculty of Vienna, Austria by Dr Lehman.



Due to the dense muscle mass in shoulder joints, creating a puncture for a working cannula is often quite difficult. If a clean puncture allowing access directly to the joint is not achieved the first time, the risk of a subsynovial oedema increases greatly.

The shoulder puncture system has been specifically designed to help eliminate this risk.

The system allows you to align your arthroscope accurately in the joint space. Simply attach the puncture system to the arthroscopic sheaths & maintain your arthroscopic vision in a parallel direction to the shoulder joint rim. At this point you will find the working triangulation portal in an ideal position.

After a puncture is created with the desired trochar, simply replace the trochar with a working cannula & start working with your Instruments. Useful for both cranial & caudal approaches.

S140-2438F Aiming Device By Dr Lehman For The Canine Shoulder For 2.4 Scope T140-2432 & Changing Rod I-17-028

S140-1938F Aiming Device By Dr Lehman For The Canine Shoulder For 1.9 Scope T110-1930 & Changing Puncture Rod I-17-028

Extra Articular Joint Distraction Arthroscopic Stifle Lever VSTL



The arthroscopic stifle is finer & longer than the standard version, making it more suitable for arthroscopic surgery.

The good sized white PTFE handle has a useful notch which aligns with the tip orientation of the lever. Not just for arthroscopy – useful in open arthrotomies as well.

Developed for stifle surgery by Ian Holsworth.

AR-17-02 Arthroscopic Stifle Lever VSTL 280mm

External Stifle Distractor

Developed original for arthroscopic use but also useful in open surgery on very tight osteoarthritic stifles. Improves visibility in the joint by reducing clutter. Pins (2.5mm) placed above & below the stifle in line with the medial collateral ligament. Turn the thumbscrew to distract the joint & expose the medial meniscus. The pins may be twisted relative to one another to bring the tibial plateau forwards.

Version with 3.2mm pins is suitable for use with TPLO jig pins – the proximal pin can then be re-used.

AR-17-01 Extra Articular Stifle Distractor 2.5mm Pins 80mm

AR-17-01/TPLO Extra Articular Stifle Distractor 3.2mm Pins 80mm

Hand Pressure Infusion Cuffs



AR-08-100 Pressure Infusion Cuff For 500-1000ml Complete With Pressure Gauge & Hand Pump Reusable

AR-08-300 Pressure Infusion Cuff For 3000-5000ml Complete With Pressure Gauge & Hand Pump Reusable

AR-08-110 Pressure Infusion Cuff For 500-1000ml Without Pressure Gauge Luer Lock (Fem) Reusable

LLM-1250 Spare Luer-Lock Connector (m) Comp. To Silicon Tubes 5 x 1.5mm

Sterility

Care & maintenance of scopes & cameras

Thorough cleaning of the equipment with a suitable proprietary cleaning agent prior to sterilisation is imperative, & must include inspection/cleaning of the three optical surfaces of the scope.

Avoid use of any abrasive cleaning agents/cloths on any of the scope surfaces, although occasional use of a proprietary polishing paste may be required on the optical surfaces.

Most modern arthroscopes can be steam sterilised. Most will be marked 'autoclavable' to easily differentiate from those which cannot be subjected to steam sterilisation. Always ensure the scope is secured within an autoclave case or otherwise protected from any force/stress during the autoclave cycle.

The optics inside an arthroscope are very delicate & easily damaged. Always refer to the manufacturers specific guidelines for care & maintenance, but as a general rule an autoclavable arthroscope can safely be subjected to a cycle at 132-135°C.

Autoclaving a scope that is not designed to be autoclaved will result in permanent damage to the optical components. Do not attempt to accelerate the cooling process after steam sterilisation – the scope must be allowed to cool to room temperature before use. Do not under any circumstances immerse or rinse a scope in cold water to cool it down.

As with scopes, most modern camera heads can be autoclaved, but always follow the manufacturers guidelines for care & maintenance.

As a general rule, an autoclavable camera head can be subjected to a 132°C steam cycle quite safely.

It is important not to coil the camera cable too tightly for autoclaving, as this can damage/kink the delicate components inside the cable. Ensure the camera is secured within an autoclave case or other appropriate pack to prevent potential damage.

Perasafe



Perasafe is a rapid, Instrument compatible, user & environmentally friendly, chemical sterilant. Supplied as a safe, space-saving powder, Perasafe is activated by simply dissolving in luke-warm tap water. Provides rapid sterilisation & re-use of endoscopy Instruments. Aldehyde-free formulation gives efficacy without harm to Instruments, health risks to nursing staff & avoids the need for special fume extraction or waste disposal systems.

Perasafe is a pale blue/white powder which, when in solution, sterilises within 10 minutes. Suitable for all surgical Instruments & fibrescopes. Formulated not to damage surgical Instruments. Supplied in 6 or 24 packs.

100100 Perasafe Cold Sterilant 24 x 81g (5 litres)

100101 Perasafe Cold Sterilant 6 x 81g (5 litres)

Camera Covers

DE-10-25 Camera Cover Disp Polyethylene 13 x 235cm Sterile Pack Of 30

DE-10-25-SINGLE Single Camera Cover Disp 13 x 235cm Sterile



Surgery of the Spine

Spinal surgery can be very rewarding, & is still possible to perform successfully with relatively modest equipment, but there are several critical factors to achieving a successful outcome.

Making the correct diagnosis is key. Patient signalment & neurological examination should lead to gross localisation of the neurological lesion i.e. upper motor neuron vs. lower motor neuron, central vs. peripheral neuropathy, the most likely spinal segment affected i.e. C1-C5, C6-T2, T3-L3 & L4-S3, & left vs. right sided.

Most patients requiring spinal surgery have spinal cord compression caused by intervertebral disc extrusion or protrusion, soft tissue hypertrophy associated with instability, spinal fracture or luxation, or neoplasia. Plain radiographs may indicate the location of a fracture, luxation or neoplasia, but are rarely sufficient to reliably identify location & lateralisation of intervertebral disc disease.

Myelography can be used for precise lesion localisation & was successfully used for many years, but it comes with a number of drawbacks. These include risks & side effects associated with cisternal or lumbar puncture, & injection of contrast agents into the subarachnoid space.

Over the last 10-15 years, MRI has become established as the technique of choice for imaging the spinal canal & cord, with CT +/-contrast coming a close second. Given the choice, both CT & MRI are preferable to myelography as they are safer, arguably quicker, have far fewer risks or side effects, & are much less likely to result in a false diagnosis. For example, a low volume high velocity (LVHV) disc extrusion or Fibro-Cartilaginous Embolus (FCE) cannot be definitively diagnosed using myelography, but the diagnosis can be made from good quality MR images, particularly a high field unit. This increases diagnostic accuracy, closely guides prognosis, decision making & treatment options, & potentially avoids unnecessary surgery from a misleading myelogram.

C-LOX

Developed over several years by Rita Leibinger Medical in cooperation with Professor Dr. Franck Forterre, Bern University (Switzerland), C-Lox is gaining quite a following amongst European spinal surgeons for intervertebral distraction fusion.



Manufactured in pure titanium using the same advanced selective laser sintering (SLS) 3D printing technology as TTA Rapid cages, a trabecular structure approaching the same Young's modulus as cancellous bone is created. In theory this reduces the risk of subsidence commonly seen with many of the more basic metallic implants. The trabecular structure also encourages early vascularisation & bone through-growth.

C-LOX cages feature integrated spikes that stand proud of the bearing surfaces & engage with adjacent vertebral end-plates. Additional locking screw fixation provides for a secure primary fixation.

Technique Summary:

1. Preliminary cage size is selected following imaging
2. From a ventral approach, the affected intervertebral disc space is identified & exposed
3. Drill adjacent vertebral bodies using a 2.5mm drill-bit & distract the intervertebral disc space using the C-LOX Distractor
4. Perform Laminectomy
5. Use the C-LOX Spinal Disk Broaching Curette is used to remove all remnants of the nucleus pulposus & to create a bed for a C-LOX cage
6. Use trial cage (template, no spikes) to confirm cage selection
7. Insert final cage
8. Mark start point for screws using dedicated guide & drill-bit
9. Insert special C-LOX self-drilling, self-tapping titanium locking screws

C-LOX Cages



- CLOX134-0144-08** CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x 4
CLOX134-0146-08 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x 6
CLOX134-0164-08 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 4
CLOX134-0165-10 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 5
CLOX134-0166-08 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 6
CLOX134-0167-10 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x 7
CLOX134-0185-10 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x 5
CLOX134-0187-10 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x 7
CLOX134-0206-12 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x 6
CLOX134-0208-12 CLOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x 8

C-LOX Spinal Cage Locking Screws

Self drilling locking titanium cortex screw with star drive head.

- CLOX245-427-10** CLOX Spinal Cage Locking Screw 12mm (Thread Length 10mm)
CLOX245-427-12 CLOX Spinal Cage Locking Screw 14mm (Thread Length 12mm)
CLOX245-427-14 CLOX Spinal Cage Locking Screw 16mm (Thread Length 14mm)
CLOX245-427-16 CLOX Spinal Cage Locking Screw 18mm (Thread Length 16mm)
CLOX245-427-18 CLOX Spinal Cage Locking Screw 20mm (Thread Length 18mm)
CLOX245-427-20 CLOX Spinal Cage Locking Screw 22mm (Thread Length 20mm)

C-LOX Complete Set



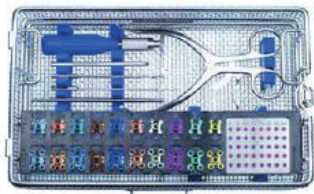
The C-LOX Complete Set C-Lox Tray x1

- Screwdriver Handle Silicone x1
- C-LOX Screwdriver Shaft 2.7 Star-Drive 10 self-holding 135mm AO x1
- Locking Drill Guide 2.7 for 2.0mm drills, for 2.7mm screws 10mm, 12mm 14mm, 16mm, 18mm & 20mm working end x1 of each size
- C-LOX Implantation Placement Rod 22cm x2
- C-LOX Spinal Curette 22cm x1
- Bone Drill AO Shaft Ø 2.0 mm 100/75 mm x1
- Bone Drill AO Shaft Ø 2.5 mm 110/85 mm x1
- C-LOX Spinal Cage Titanium, 2,7mm H-Plate with Almond Cage Locking with Spikes x1 of each size
- C-LOX Sizing Cage for Spinal Cage H-Plate with Almond Cage x1 of each size
- Star Drive Spinal Cage Locking Screw Titanium x 5 of each length

CLOX134010001 C-LOX Complete Set - New Version

C-LOX Upgrade Set

For existing users of C-LOX with a 2017 original version set.



The C-LOX Upgrade Set contains:

- 1x C-LOX Upgrade Tray
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 10mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 12mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 14mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 16mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 18mm working end
- 1x Locking Drill Guide 2.7 for 2.0mm drills for 2.7mm screws 20mm working end
- 1x Bone Drill AO Shaft Ø 2.0 mm 100/75 mm
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x4
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 14mm x6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x4
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x5
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 16mm x7
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x5
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 18mm x7
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x6
- 1x C-LOX Spinal Cage Titan 2.7mm H Plate Almond Cage 20mm x8
- 5x C-LOX Spinal Cage Locking Screw 12mm (Thread Length 10mm)
- 5x C-LOX Spinal Cage Locking Screw 14mm (Thread Length 12mm)
- 5x C-LOX Spinal Cage Locking Screw 16mm (Thread Length 14mm)
- 5x C-LOX Spinal Cage Locking Screw 18mm (Thread Length 16mm)
- 5x C-LOX Spinal Cage Locking Screw 20mm (Thread Length 18mm)
- 5x C-LOX Spinal Cage Locking Screw 22mm (Thread Length 20mm)

CLOX134010002 C-LOX Upgrade Set

Please note that some C-Lox instruments & implants have been revised. Previous versions of implants & instruments are available whilst stocks last. Please call our team of Technical Support Specialists for further details & to check availability on 0345 130 9596 or email info@vetinst.com

C-LOX Screwdriver Handles



Silicone handle, sterilisable up to 134°.

CLOX247010200 C-LOX Screwdriver Handle



CLOX247010400 C-LOX Torque Limiting Screwdriver Handle

C-LOX Screwdriver Shaft 2.7mm Star Drive I0



CLOX134080027 C-LOX Screwdriver Shaft 2.7mm Star Drive I0 135mm Long

C-LOX Locking Drill Guides



C-LOX Locking Drill Guides 2.7mm for 2.0mm Drills for 2.7mm C-LOX Screws. Various working lengths available.

CLOX164002710 Locking Drill Guide 2.7mm 10mm Working End

CLOX164002712 Locking Drill Guide 2.7mm 12mm Working End

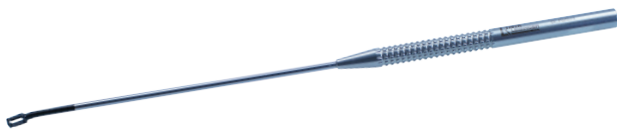
CLOX164002714 Locking Drill Guide 2.7mm 14mm Working End

CLOX164002716 Locking Drill Guide 2.7mm 16mm Working End

CLOX164002718 Locking Drill Guide 2.7mm 18mm Working End

CLOX164002720 Locking Drill Guide 2.7mm 20mm Working End

C-Lox Spinal Disk Broaching Curette



Used for removing disk material & creating bed for cage. 220mm long.

CLOX134070022 C-LOX Spinal Disk Broaching Curette

C-Lox Implant Placement Rod



Threaded tip engages with trial cages & with implantable cages. 220mm long.

CLOX134075022 C-LOX Implant Placement Rod

C-LOX Twist Drill



Anti-skid tip & length matched to C-LOX drill sleeve. AO fitment.

CLOX148008118 C-Lox AO Coupling Twist Drill Bit 1.8mm

CLOX148008125 C-Lox AO Coupling Twist Drill Bit 2.5mm

C-Lox Distractor



Used to distract the intervertebral disk space. 90mm deep. Drill 2.5mm holes for legs.

CLOX134075016 C-LOX Distractor 90mm Deep

Instrumentation

Percussion Mallet



Designed for consistent neurological examination.

001322 Percussion Mallet 180mm Long

Rongeurs & Punches

All Rongeurs & Spine forceps cut with one part of the jaw inserted into the compromised spinal canal.

Our Spine instruments are designed to minimise the size of the lower jaw. In many cases this will reduce the cutting strength of the instrument which should only be used on appropriate bone thickness.

A selection of Rongeurs will be required.

Duck-Billed Daniel Rongeurs



Designed by Simon Wheeler BVSc PhD, these Rongeurs can remove full thickness laminal bone in small dogs.

They are, however, best used to remove the layer of deep cortical bone overlying the spinal cord once the superficial cortex & cancellous bone have been removed using power tools; this is particularly true of the medium & large dog.

001400 Duck-Billed Daniel Rongeurs 3mm Bite 177mm Long

Micro Spine Rongeur Set



Very fine Rongeurs with a 1.75mm (width) bite. Available in three variations, straight, curved & angled.

142600 Micro Spine Rongeurs Set Of 3

Laminectomy Rongeurs



These Rongeurs have been developed specifically for Laminectomy in the dog. Features:

- Sigmoid shaped for maximum visualisation of surgical site & ease of grip.
- Lower jaw is very slim, with no cutting edge to minimise trauma to the spinal cord.
- Available in jaw widths of 2mm, 3mm & 4mm. Length 160mm.
- Stronger than Duck-Billed Daniels.

001432 Laminectomy Rongeurs 2mm 160mm

001433 Laminectomy Rongeurs 3mm 160mm

Daniel Rongeur



The jaws of this instrument are straight & the bite is small. Also suitable for bulla osteotomy.

001402 Daniel Rongeurs AOF 4mm Bite 130mm Long

Compound Action Spinal Rongeurs



Much more powerful than the Daniels, this instrument can nibble through full thickness lamina. The jaws are very fine & angled to allow the surgeon to enlarge the inter-vertebral foramen.

Available in 2mm, 3mm, 4mm & 5mm jaw widths. Length 190mm.

- 001429 Compound Action Spinal Rongeurs 2mm
- 001430 Compound Action Spinal Rongeurs 3mm
- 001431 Compound Action Spinal Rongeurs 4mm
- 001440 Compound Action Spinal Rongeurs 5mm

Stille-Luer Rongeurs



142305 Stille-Luer Heavy Compound Action Rongeurs Curved 8mm 225mm Long

Smith-Kerrison Punch Forceps



This is a traditional design with a 40 degree upward cutting jaw. Robust Spine forceps. Good quality & excellent value. 185mm shaft.

- 001445 Smith-Kerrison Punch Forceps 2mm
- 001446 Smith-Kerrison Punch Forceps 3mm

40° Bone Punch Forceps (Low Profile)



This instrument is designed for use with high speed bur systems. The bur is used to remove the outer cortical layer & the underlying cancellous layer, leaving only the inner cortical bone (approximately egg shell thickness).

Access to the neural canal is achieved using the bur or a small mobiliser (001420). The powerful nibbling action allows the final layer of bone to be removed in a very controlled manner.

From a surgical standpoint the foot should be as small as possible, for strength the foot needs to be as large as possible. This wedge shape is a good compromise. In addition the foot is polished to minimise friction & trauma to the Spine. Overall length 21cm.

- 001438 Spine Punch Forceps 2mm 40° Upward Cut
- 001439 Spine Punch Forceps 3mm 40° Upward Cut
- 001441 Spine Punch Forceps 4mm 40° Upward Cut

Gelpi Odd Leg Retractor



- 001333 Gelpi Self Retaining Retractors Odd Leg 205mm Pair
- 001334 Gelpi Self Retaining Retractors Odd Leg 130mm Pair

Retractors & Distractors

Spike & Shield Odd Leg Retractor



Operates in a similar fashion to the odd leg Gelpis but the muscle retaining shield creates a wider field of view. Supplied in pairs left & right.

001480 Large 25 x 25mm Shield 180mm Long - Pair
001482 Small 12 x 12mm Shield 125mm Long - Pair

Small Spine Distractor



The tips of the small distractor are designed to fit into inter-vertebral spaces. The surfaces pushing against the end plates are serrated for maximum grip. Tips when closed 4mm. Overall length 140mm. Tips are staggered for easy introduction.

001491 Small Spine Distractor

Cone Laminectomy Retractor



Similar in size to a Travers retractor but with articulated arms, the cone retractor allows a very flexible field of retraction, with the additional benefit that it can be folded away from the operation site. Maximum retraction, minimum interference.

001335 Cone Laminectomy Retractor 160mm Long

FitzExcavator Set



Designed & developed by Noel Fitzpatrick this excavator set includes all the necessary hand instruments for surgical management of canine inter-vertebral disc disease.

The set consists of 5 cutting instruments: one left, one right, plus 3 straight instruments 2.00mm, 1.00mm & 0.5mm.

Set also includes 001275 Molt Periosteal Elevator (4mm/6mm).

The six instruments are supplied in a stainless autoclavable case.

001428 FitzExcavator Set

Wobblers



At the present time, distraction fusion techniques seem to offer the best chances of success. The rapid improvement following surgery encourages the owners to persevere to long term stabilisation.

The McKee Washer has been shown to give a relatively high success rate for this most difficult condition. Each size washer has its own distractor to facilitate insertion.

The Washer is maintained in situ by a 3.5mm position screw.

- 090250 6.0 McKee Wobbler Washer No 2
- 090251 7.5 McKee Wobbler Washer No 1
- 090255 6.0 Wobbler Washer Distractor 200mm
- 090256 7.5 Wobbler Washer Distractor 200mm

Burley Disc Scoop



The Burley Disc Scoop is designed to remove material without repeated insertions into the disc space. As the scoop is moved around, the nuclear material travels along the channel & out.

- 001501 Burley Disc Scoop 155mm

McKee Distractor With Speedlock



The odd legs of this dedicated distractor engage the intra vertebral space cranial to & caudal to the space involved.

The speedlock opens the disc space leaving it uncluttered by instrumentation. An alternative to washers is fusion using bone cement with or without screws.

- 090257 McKee Distractor With Speedlock 240mm

Very Fine Periosteal Elevator



- 001272 Very Fine 2mm/3mm Periosteal Elevator 180mm Long

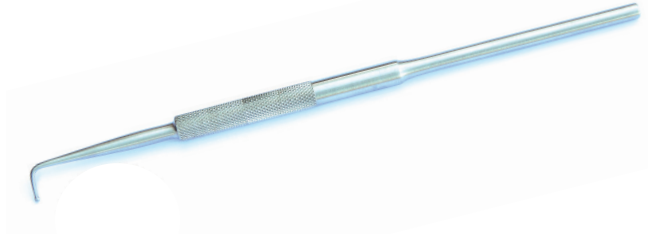
Dandy Nerve Hook



The Dandy Nerve Hook is useful for manipulation of nerves & nerve roots. Also useful for manipulation of the medial meniscus during CCL procedures.

- 001408 Dandy Nerve Hook 1mm 190mm Long
- 001409 Dandy Nerve Hook 2mm 220mm Long

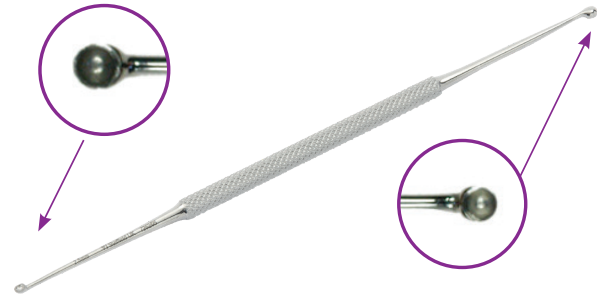
Chase Spinal Hook



Based on a suggestion from Damian Chase of Pride Veterinary Centre This probe is useful for manipulation of the spinal cord & nerve roots during certain surgeries.

001451 Chase Spinal Hook 8mm 90° Offset 145mm Long

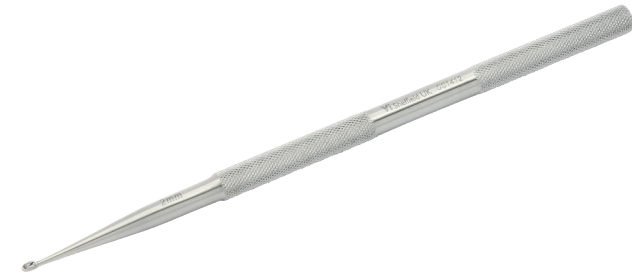
House Curette



The House Curette is a strong small curette to lift bone from around the spinal cord. Double ended 2.5mm & 3.0mm scoops.

7262/05 House Curette 2.5 & 3.0mm Scoops 150mm

Bone Curette



Following requests for a House Curette with smaller scoops, this set of two bone curettes have been designed with 1mm & 2mm scoops. This is the smallest scoop we can provide whilst still being strong enough to elevate bone.

001412 Bone Curette 2.0mm Scoop 145mm Long

Rosen Mobiliser



With care, intraneural canal structures can be manipulated. Removal of disc debris is essential to achieve decompression of the cord. The curved tip of this instrument is very useful.

7105/40S Rosen Mobiliser No.8 160mm

7105/45S Rosen Mobiliser No.9 160mm

Bone Tamper

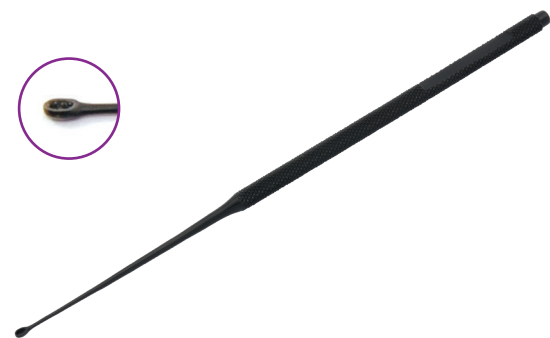


Bone Tamper - also can be used as a bone filling instrument.

001413 Bone Tamper 1.0mm Scoop 150mm

001414 Bone Tamper 2.0mm Scoop 150mm

Sheas Curette



Fenestration of discs, particularly cervical discs, can be a useful procedure. The Sheas Curette is a very small scoop. 2.5mm in diameter.

001410 Sheas Disc Curette 2.5mm Diameter 170mm

Younger Good Scaler Jaquette Scaler



Younger Scaler



Jaquette Scaler

Both instruments are recommended by Simon Wheeler for the removal of wafer thin bone overlying the spinal cord during Laminectomy.

The Younger Good scaler is blunt backed & useful for removal of disc material from both disc spaces & neural canal. This is not a standard scaler in that all the sharp surfaces are softened to minimise spinal trauma.

The Jaquette scaler is sharp & best suited to hooking out the final lamina.

- 001422 Younger Good Scaler 175mm
- 001424 Small Jaquette Scaler 165mm

Spinal Needles



We now strongly recommend the use of disposable needles for spinal procedures. The translucent hub allows good visualisation of the CSF.

- 405255 22g x 3" Spinal Needles Disposable Box Of 25
- 405253 20g x 3.5" Spinal Needles Disposable Box Of 25
- 405252 20g x 3" Spinal Needles Disposable Box Of 25
- 405248 18g x 3.5" Spinal Needles Disposable Box Of 25
- 405247 18g x 3" Spinal Needles Disposable Box Of 25
- 012502 Spinal Needle 21g Short Bevel 25mm Reusable
- 012500 Spinal Needle 19g Short Bevel 38mm Reusable

Bone Wax



It will not help you if you hit a venous sinus but will control the blood from cut cancellous bone which obscures the visual field. The wax physically blocks the blood vessels.

- 001460 Bone Wax 12 x 2.5g

Veterinary Instrumentation Bone Cement



An alternative is the distraction of the disc space using a small screw & filling the space with Gentamycin BCIG Bone Cement.

Bone cement is also used for stabilising spinal fractures. Use screws or pins to provide 'keying' points.

- BCI High Viscosity - 40 Grams
- BCIG High Viscosity With 20 Grams Gentamycin
- BC3G Low Viscosity (Syringe) With 20 Grams Gentamycin
- SYRINGE50 50ml Catheter Mouth Syringe Sterile

Lyostypt®



Lyostypt® is a wet-stable collagen haemostat. Collagen leads to thrombocyte adhesion & to activation of coagulation factor XII. Replacement for Gelfoam. Size 30 x 50mm. 12 units per pack.

- Achieves haemostatis very swiftly
- Is completely absorbable
- Can be removed easily
- Can be applied endoscopically
- Can be combined with fibrin glue & antibiotics

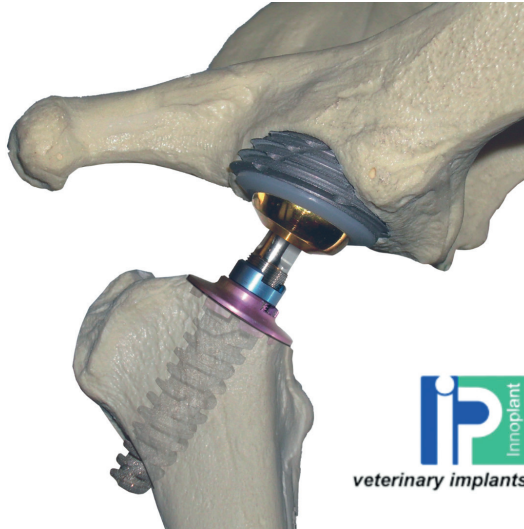
- 1069128 Lyostypt® (12 Units)



Cementless Hip System Helica

Modular, Cementless, Screw-in Total Hip Replacement.

Available with improved three part stem. (TPS)



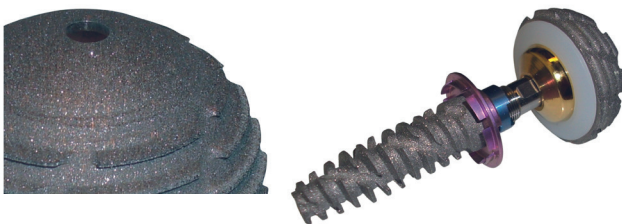
Surgeons contemplating use of the Helica system must attend a recognised training course. A full illustrated guide is included.

The Helica System of Total Hip Replacement is unique in a number of respects.

Most cementless systems rely on a 'press fit' for at least one implant component. Creation of the site for the component is critical & technically demanding or the component will not lock into position. In addition, press fit components are vulnerable until osseous integration develops over several weeks (if it happens at all). In man this is less of an issue in that the patient can strictly control the stress placed on the new hip. We have much less control over our canine patients during this critical phase.

Both Helica components screw into position giving post operative security during the phase of osseous integration. The cup is not only fixed very rigidly but can even be re-positioned intra-operatively, should it be required, without losing any security. The Helica cup may be used with all other leading brands of stems to create a hybrid system with maximum cup security.

The stem is a short prosthesis located entirely in the proximal femur. Only the articular surface is removed during implantation retaining the maximum bone stock. The new Three Part Stem (TPS) ensures more accurate positioning of the stem in addition to an increased surface area for load dispersement. A choice of flanges is available to suit individual femoral neck size.



The surface of both acetabular shell & femoral stem are treated to maximise osteointegration of implants.



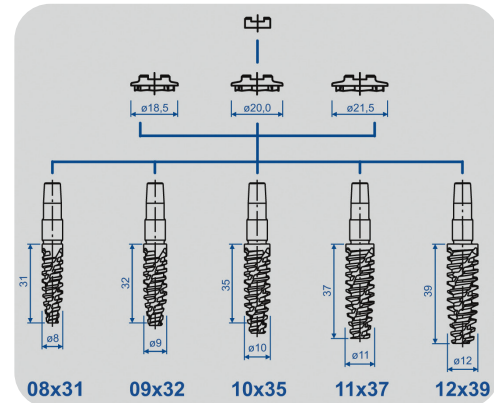
The outer surface of the acetabular cup is threaded for rapid screw-in insertion. Repositioning of cups intraoperatively is straight forward. Revision cups for other systems are available.

Both femoral & acetabular components screw into position allowing immediate loading. The surface finish of the titanium components encourages rapid osteointegration. Flexibility is achieved by:

- 5 Stem sizes
- 6 Neck lengths
- 3 Flanges for the femoral neck
- 6 Acetabular Cup sizes

Once the implantation sites have been prepared the implants self tap into position.

Only the articular surface of the femoral head is removed, retaining the maximum amount of bone stock to support the femoral prosthesis, which screws into place. Although perhaps counter intuitive the small stem in the proximal femur loads at least as well as long stemmed prostheses.



Advantages

- Short surgery time
- Minimally invasive
- Cementless technique
- Screw-in implants
- Immediately loadable
- Cost effective

HELICA Hybrids

The stability of the Helica Cup is such that it may be used in conjunction with press fit cups from other systems either as a revision or as a primary procedure.

Helica Heads are available in various lengths which interface with Stems for the Kyon & BFX Systems. These Heads fit standard Helica cups.

The tray of Acetabular Instruments may be purchased separately after attending an approved training course.

Ancillary Helica Instrumentation

Three instruments, not included in the standard sets, make osteotomy & alignment of the femoral stem significantly easier & are recommended. The Meyerding is a very powerful hand held retractor.

The Helica Hohman has a dished profile & fine teeth along its leading edge to lift the femoral head & neck up from the incision for osteotomy. The goniometer helps the surgeon to establish the correct axis for the femoral stem at an angle of 145 to 147 degrees.

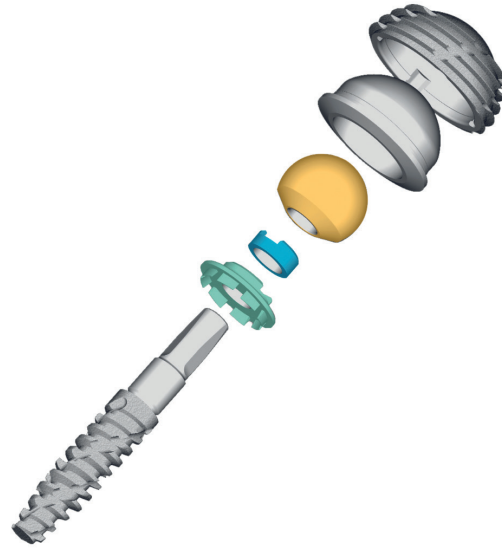
001038	Helica Hohman Large
001037	Helica Hohman Medium
001036	Helica Hohman Small
0010300SET	Helica Hohman Set
HE-GONIO	Helica Goniometer
I50019	Meyerding Retractor

Helica Total Hip Instrumentation



HE-KIT Helica Instrument Kit

Helica Total Hip Implants



Helica Screw Acetabular Cups

HE-HCI-T22	Helica 22mm Acetabular Cup
HE-HCI-T24	Helica 24mm Acetabular Cup
HE-HCI-T26	Helica 26mm Acetabular Cup
HE-HCI-T28	Helica 28mm Acetabular Cup
HE-HCI-T30	Helica 30mm Acetabular Cup
HE-HCI-T32	Helica 32mm Acetabular Cup

Helica TPS Stems

HE-HS3-T0831	TPS Helica Stem 8mm x 31mm (2012 Version)
HE-HS3-T0932	TPS Helica Stem 9mm x 32mm (2012 Version)
HE-HS3-T1035	TPS Helica Stem 10mm x 35mm(2012 Version)
HE-HS3-T1137	TPS Helica Stem 11mm x 37mm(2012 Version)
HE-HS3-T1239	TPS Helica Stem 12mm x 39mm(2012 Version)

Helica TPS Flanges

- HE-HF3-T18.5** TPS Helica Flange 18.5mm (Inc I Locking Nut)
- HE-HF3-T20** TPS Helica Flange 20.0mm (Inc I Locking Nut)
- HE-HF3-T22** TPS Helica Flange 21.5mm (Inc I Locking Nut)

Helica TPS Locking Nut

- HE-HN3-T08** TPS Helica Locking Nut (For Replacement)

Helica Femoral Heads

- HE-FHI-18S** Helica 18mm Femoral Head - Short
- HE-FHI-18M** Helica 18mm Femoral Head - Medium
- HE-FHI-18L** Helica 18mm Femoral Head - Long
- HE-FHI-18XL** Helica 18mm Femoral Head - Extra Long
- HE-FHI-18XXL** Helica 18mm Femoral Head - XX Long

Helica Inlays - Constrained

- HE-ALI-P22** Helica 22mm Inlay
- HE-ALI-P24** Helica 24mm Inlay
- HE-ALI-P26** Helica 26mm Inlay
- HE-ALI-P28** Helica 28mm Inlay
- HE-ALI-P30** Helica 30mm Inlay
- HE-ALI-P32** Helica 32mm Inlay

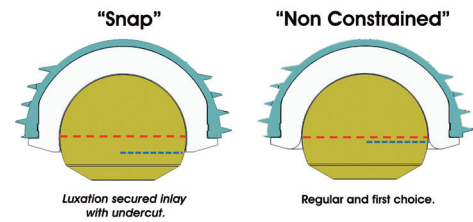
Helica Inlay Non Constrained

- HE-ALI-P24-NC** Helica 24mm Inlay Non Constrained
- HE-ALI-P28-NC** Helica 28mm Inlay Non Constrained
- HE-ALI-P30-NC** Helica 30mm Inlay Non Constrained

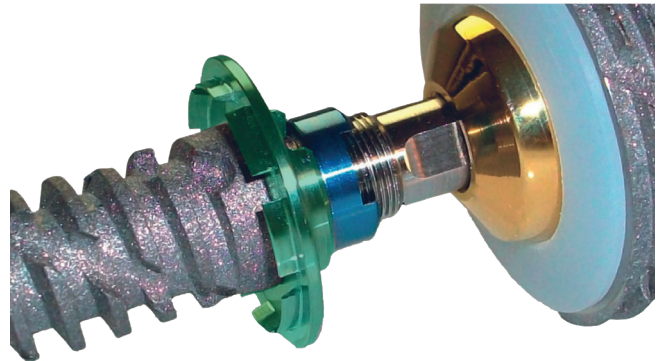
Helica Hybrid Revision Implants

- HE-FHB-18-0** Helica Hybrid 18mm Femoral Head Biometric Shank + 0
- HE-FHB-18-3** Helica Hybrid 18mm Femoral Head Biometric Shank + 3
- HE-FHB-18-6** Helica Hybrid 18mm Femoral Head Biometric Shank + 6
- HE-FHK-18XS** Helica Hybrid 18mm Femoral Head Kyon Extra Short
- HE-FHK-18S** Helica Hybrid 18mm Femoral Head Kyon Short
- HE-FHK-18M** Helica Hybrid 18mm Femoral Head Kyon Medium
- HE-FHK-18L** Helica Hybrid 18mm Femoral Head Kyon Long
- HE-FHK-18XL** Helica Hybrid 18mm Femoral Head Kyon Extra Long

Inlay Options for Screw Cup



The standard inlay for the screw cup for use with Helica stems is non-constrained. Certain cases which for reasons of conformation or soft tissue benefit from a 'Snap Inlay' which is retentive.



Helica Total Hip Stem Implants (Original Version)

These Stems are the original design to be used in conjunction with the original instrumentation.

- HE-HSI-T0826** Helica Stem 8mm x 26mm
- HE-HSI-T0928** Helica Stem 9mm x 28mm
- HE-HSI-T1028** Helica Stem 10mm x 28mm
- HE-HSI-T1132** Helica Stem 11mm x 32mm
- HE-HSI-T1232** Helica Stem 12mm x 32mm

3CON Stems

- TSI-C-04** 3CON Stem # 4
- TSI-C-05** 3CON Stem # 5
- TSI-C-06** 3CON Stem # 6
- HE-TSI-C-07** 3CON Stem # 7

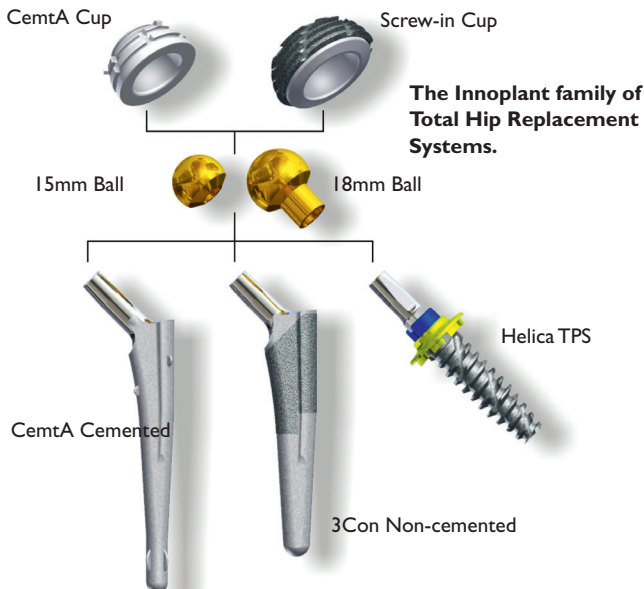
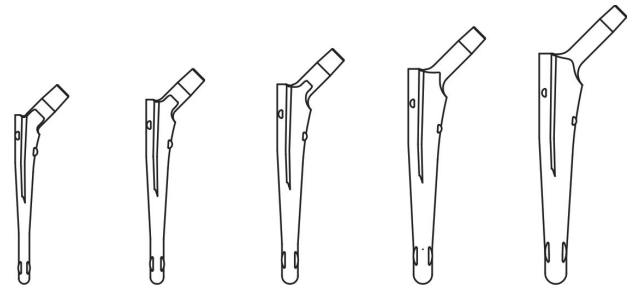
Innoplant Total Hip Replacement

The manufacturer of the well established Helica system has a long history of producing implants & instruments for the human field. Recognising that no one system will suit every case, Innoplant has developed a family of Total Hip Replacement systems which allow the surgeon to deal appropriately with each case. The systems are compatible with each other enabling a 'mix & match' protocol, selecting each component on the merits of the case. It is possible for example to use a screw-in cementless cup together with a cemented long stem. The various options facilitate a straight forward revision should it be required.

Using an Innoplant screw-in cup & revision stem plus ball, a failed Kyon or Biomedtrix cup may be revised.

Available in 5 sizes

Sizes not shown to scale



CemtA Stem Instrumentation



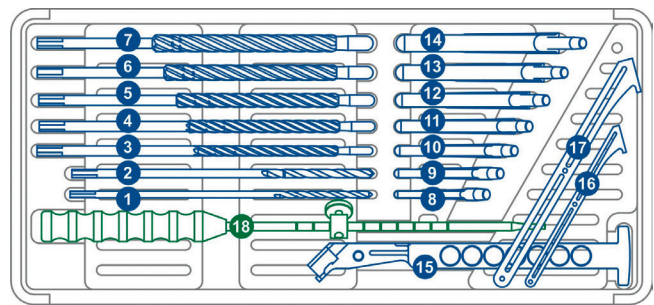
The instrumentation required for the stem is un-complicated. The set includes reamers & trial stems for all sizes. The reamer system is modular in design, all reamer shafts fitting the same ergonomic handle.

CemtA Cemented System

Produced by Innoplant, the manufacturers of the Helica system, the CemtA system both compliments & offers an alternative to Helica & other hip replacement systems. The heads & cups of CemtA are interchangeable with all other Innoplant systems.

One of the features of Helica is that it is possible to easily revise the Helica using a long stemmed system. The CemtA system is ideal due to the compatibility of components with Helica.

CemtA is an ideal stand alone cemented system requiring a minimum of dedicated instrumentation.



Composition

Cobalt Chrome Molybdenum alloy (CoCrMo, ISO 5832-4, ASTM F75).

Cement Restrictor



The cement restrictor is placed in the reamed medullary canal distal to the anticipated position of the stem tip. The restrictor prevents extrusion of the cement distally which maintains the cement mantle & minimises displacement of the distal contents of the femur.

Composition

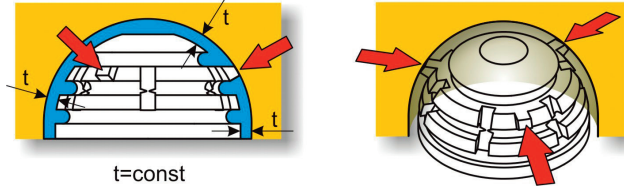
UHMWPE ISO 5834-1

ASTM F648

CemtA Cup

The CemtA cup may be used with either the cemented CemtA stems or the familiar Helica stems. Self-centering pegs ensure that the cup is centered in the reamed acetabulum. This ensures an even mantle of cement.

The CemtA cup is available in six sizes to match all stem options.



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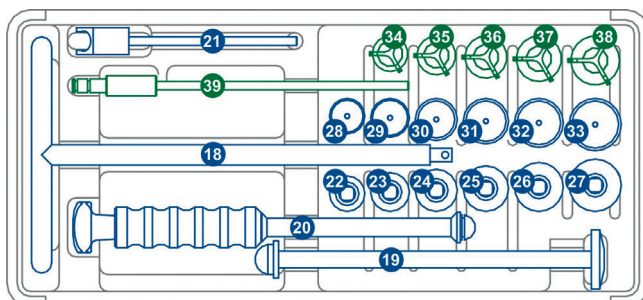
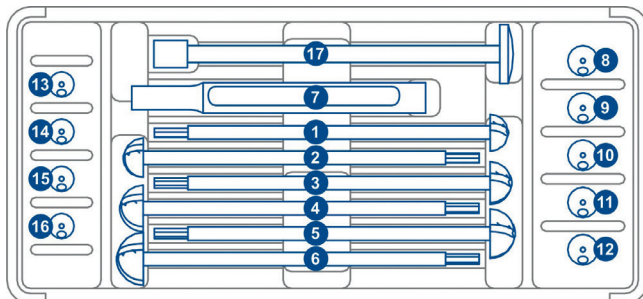
Composition: UHMWPE ISO 5834-1, ASTM F648

Radioluscent ring Stainless 31 6L ISO 5832-9

CemtA Cup Instrumentation



The full Cup Set comprises two trays including all the instrumentation & trial implants both both the screw cup (familiar from the Helica system) & the new CemtA cemented cup. If required the cup set may be configured for the CemtA cup only.



CemtA Stems

HE-CSI-C-04	CemtA Stem	#4
HE-CSI-C-05	CemtA Stem	#5
HE-CSI-C-06	CemtA Stem	#6
HE-CSI-C-07	CemtA Stem	#7
HE-CSI-C-08	CemtA Stem	#8

CemtA Cups

HE-CCI-P-21	CemtA Cup 21mm
HE-CCI-P-23	CemtA Cup 23mm
HE-CCI-P-25	CemtA Cup 25mm
HE-CCI-P-27	CemtA Cup 27mm
HE-CCI-P-29	CemtA Cup 29mm

15mm Femoral Heads

HE-FHI-S-15-S	15mm Femoral Head Small
HE-FHI-S-15-M	15mm Femoral Head Medium
HE-FHI-S-15-L	15mm Femoral Head Large
HE-FHI-S-15-XL	15mm Femoral Head Extra Large
HE-FHI-S-15-XXL	15mm Femoral Head Extra Extra Large

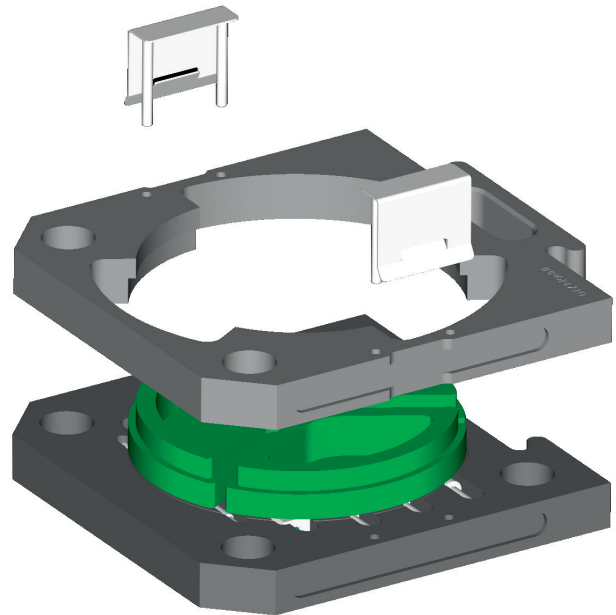
CemtA Instrumentation

HE-300-KS-14	Full Instrumentation for Screw Cup/CemtA Cup Set 1 & Set 2
HE-300-KS-12	Full Instrumentation For CemtA stems

Cement Restrictor

HE-CRI-P-01	Cement Restrictor Size 1
HE-CRI-P-02	Cement Restrictor Size 2

Hip Fixation & Navigation Device

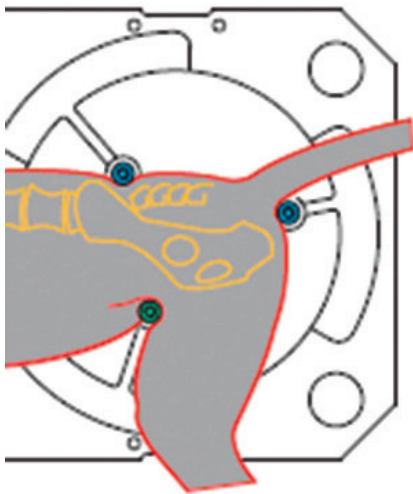


During Total Hip Replacement procedure, correct placement of the acetabular cup is essential. Navigation Devices have been around for some time, often home-made.

This Navigation Device gently positions the patient in the correct position, & includes an orientation guide to ensure the correct inclination & retroversion angles are maintained.

The blue handle allows easy rotation of the table to aid comfortable positioning, reducing the risk of stress on the spine.

HE-HFN-KS-01 Hip Fixation & Navigation Device



Helica Drill Guide



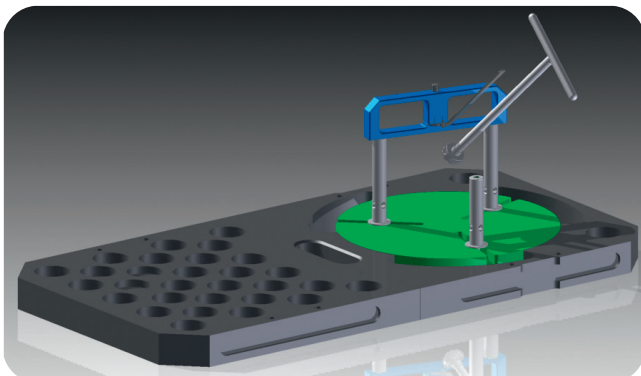
This Drill Guide was modified by Christoph Stork, DipECVS, as an aid to drilling of the femoral neck during the Helica total hip joint replacement. In essence, this is an over-sized soft-tissue protector with a very large bore of 9mm accepting the largest of the drill-bits used in this procedure.

HELICADG Helica Drill Guide 9mm Diameter Bore

Construction is of titanium & high-strength aluminium, for easy cleaning & maintenance.

When not in use, the table can be disassembled for storage.

The two halves of the table feature slots for all components, clipping together to for secure storage between uses.



Hohman Retractors

A simple but multi-functional instrument, with a wide number of variations to cover different procedures, patients & surgeons' requirements

Uses include:

- Bone levers as an aid to fracture reduction
- Bone levers as an aid to elevating the site of interest, examples include exposing the femoral head & the acetabulum during hip surgery & also joint distraction during stifle surgery
- As soft tissue distractors to improve bone visualisation & access whilst performing many joint & fracture procedures

A scrubbed assistant to hold the retractor in place is most useful. Frequently more than one Hohman is used during a procedure, & the Hohman often accomplishes multiple functions at once, for example soft tissue retraction & protection while elevating the femoral neck.

Hohman Retractors With Short Tips 18mm & 12mm Blades



001041

These are the archetypal Hohman Retractors often described in textbooks as 'Hohman'.

The 'standard' Hohman retractor shape & size.

Larger version at 240mm long is useful in larger dogs over about 20kg where more force is required for manipulation, & there may be more depth of overlying tissue.

Smaller version, 175mm long, is scaled down & useful in slightly smaller dogs or in smaller bones where less force is needed. Good for retracting fascia lata in CrCl procedures.

- 001041 Hohman Retractor 18mm Short Narrow Tip Total Length 240mm
- 001042 Hohman Retractor 12mm Short Narrow Tip Total Length 175mm

Mini Hohman 6mm & 8mm Blade & Short Tip

Ideal for careful retraction of soft tissue during the manipulation of smaller bones & fragments, aiding reduction of soft tissue devascularisation. Also allows delicate retraction of soft tissue for screw & wire placement.

8mm version is particularly good for long bones in the cat.

- 001047 Mini Hohman Retractor 6mm Short Tip 165mm Long
- 001048 Mini Hohman Retractor 8mm Short Tip 165mm Long

Micro Hohman 4mm With Short Narrow Tip

The smallest Hohman that Vi supply. Useful in very small procedures or patients. Also available in a version with a long narrow shaft to use with arthroscopic portals.

- 001049 Micro Hohman Retractor 4mm Short Tip 160mm Long
- 001049A Micro Hohman Retractor 4mm Short Tip With Narrow Shaft For Arthroscopy 160mm Long

Hohman Retractor Broad With Short Narrow Tip



001045

Broad blade Hohman provide more effective retraction of large muscle masses than the standard version, with less focal pressure.

Suggested uses:

- 48mm blade – larger dogs for elevation of femoral head & neck
- 24mm blade – muscle retraction during plating procedures

- 001045 Hohman Retractor 48mm Short Narrow Tip 260mm Long
- 001046 Hohman Retractor 24mm Short Narrow Tip 185mm Long

Hohman Retractor With Long Broad Tip



001043

Useful in & around the shoulder joint & other retraction situations when a blunt tip is desirable.

- 001043 Hohman Retractor 24mm Long Broad Tip 280mm Long
- 001044 Hohman Retractor 18mm Long Broad Tip 175mm Long

Mini Hohman Broad Blade with Narrow Tip



Suggested uses: Improving visualisation of & access to mid diaphysis of cat & small dog bones & displacing ligaments & tendons in carpus/tarsus of larger patients

001040 Mini Hohman 15mm Broad Blade 120mm Long

Gutter Hohman



The Gutter Hohman is the brain-child of Haralabos Haralabidis, DVM from Athens. The gutter profile of the blade's top surface helps to prevent bones from slipping off sideways until reduction has been achieved. This instrument is most useful for oblique fractures of the long bones of medium size dogs.

001035 Gutter Hohman Retractor 180mm Long For Oblique Fracture Reduction

Retractors designed specifically for use in & around the Hip Joint

Hohman retractors designed specifically for veterinary hip surgery, to deal with the muscle bulk involved

Swan-Neck Hohman



Used for elevation & exposure of the femoral neck & head in medium/large dogs. Cranked shape keeps the surgeon's hand & the femur out of the surgical field.

001034 Medium Swan-Neck Hohman 11mm Blade Short Tip 220mm Long

Hip Hohman



Developed for use in total hip replacement but useful in any procedure requiring elevation of the femoral head. Multiple small teeth at the end lip of the instrument sit securely on the femoral neck outside the zone of articular cartilage.

Three sizes are available. Approximate guidelines are as follows:

Large	>30kg
Medium	10 - 30kg
Small	<10kg

001038 Large Hip Hohman 255mm Long 25mm Wide Blade

001037 Medium Hip Hohman 175mm Long 13mm Wide Blade

001036 Small Hip Hohman 125mm Long 8mm Wide Blade

0010300SET Hip Hohman Set Of 3 (As Above)

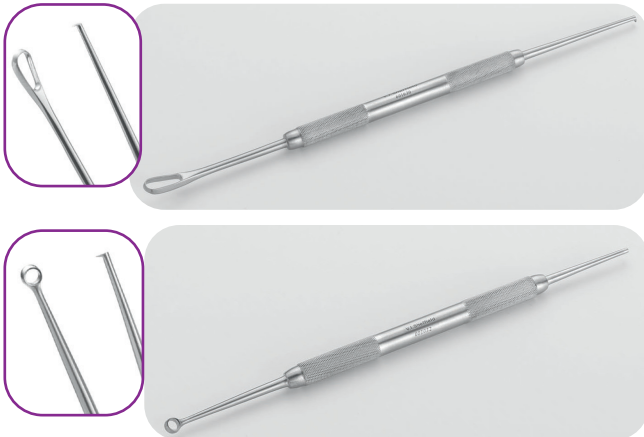
Hohman Retractor 20mm Wide With Short Kinked Tip



Designed for femoral neck retraction for THR after the femoral head has been removed in order to visualise the acetabulum for acetabular reaming. The bent tip of the Hohman is engaged caudoventral to the acetabulum with the osteotomised surface of the femoral neck behind it, & then the Hohman is retracted to pull the femoral neck out of the way of the reamer.

001039 Hohman 20mm Wide With Short Kinked Tip 200mm Long

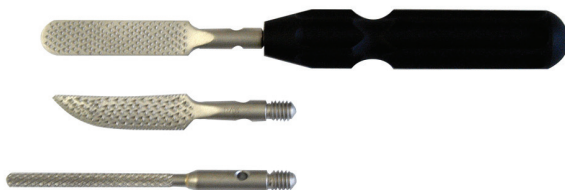
OCD Curette



Loose flaps of cartilage at the OCD lesion must be removed. The double ended OCD curette is designed to perform this task within the limited space available. Healthy fibrocartilage within the lesion should not be disturbed.

- 001030 OCD Curette 215mm Long
- 001032 OCD Curette Small 180mm Long

Combination Bone Rasp Set



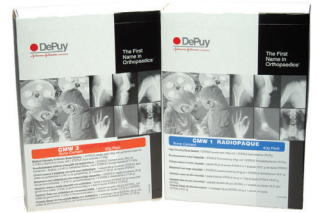
The three interchangeable rasp blades offer a range of cutting surfaces, flat, round & 'putti' style. The handle has an ergonomic design which is easy to grip even when wet.

- 001015 Combination Bone Rasp With 3 Interchangeable Heads

Bone Cement

DePuy CMW Bone Cement

Designed for total hip replacement. CMW is the industry standard. Various options are available. Also useful in stabilisation of vertebral fractures/luxations.



CMW1 is a medium/high viscosity cement for digital application

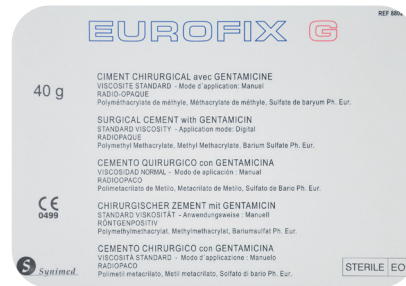
CMW2 is a rapid set cement suitable for the acetabular cup via digital application.

CMW3 is a more fluid cement which is more appropriate for the femoral component. It is usually applied via a 50ml syringe.

CMW cement comes impregnated with Gentamycin which minimises post operative infection, the worst complication of the procedure.

- I60506 CMW1 No Gentamycin 40g
- I60500 CMW1 With Gentamycin 20g
- I60501 CMW2 With Gentamycin 20g
- I60503 CMW3 With Gentamycin 20g
- I60504 CMW3 With Gentamycin 40g

Veterinary Instrumentation Bone Cement



- BC1 High Viscosity 40g
- BC1G High Viscosity 20g With Gentamycin
- BC3G Low Viscosity (Syringe) 20g With Gentamycin
- SYRINGE50 50ml Catheter Mount Syringe Single Sterile



For **over 35 years** general surgical instrumentation has been at the core of what our brand symbolises.

We have been at the forefront of the drive to deliver instrumentation designed for Veterinarians, meeting the specific needs of the industry we proudly serve.

With over 350 different general surgical instrumentation patterns outlined within this chapter, our comprehensive range delivers all your general surgical instrumentation needs for small animal surgery.



To view the **General Surgical Instrumentation** section of our website, scan the QR code below:



Vi General Surgery Kit



Vi surgical instrument kits containing specifically selected high quality instrumentation for your small animal surgical needs.

The Vi General Surgery Kit contains:

- 171566 Jones Cross Action Towel Clips x4
- 746100 Metzenbaum Scissors - Straight 145mm 1
- 745300 Mayo Scissors Chamf Blades 140mm x1
- 341145 Dissecting Forceps 1/2 Teeth 150mm x1
- 106625 Spencer Wells Artery Forceps - Curved 125mm x2
- 106600 Spencer Wells Artery Forceps - Straight 125mm x2
- 103175 Halstead Mosquito Forceps 125mm x2
- 342010 Debakey Atraumatic Dissecting Forceps 180mm x1
- 341200 Adson Serrated Dissecting Forceps 125mm x1
- 584760 Mayo Needle Holder 140mm x1
- 0803 Scalpel Handle No 3 x1

VIGSKIT Vi General Surgery Kit

Left Handed Instrument Starter Kit



Kit contains:

- 745300L Mayo Scissors Str 5.5" - Left Handed x1
- 746200L Metzenbaum Scissors Str 5.75" - Left Handed x1
- 103175L Halstead Forceps Str 5" - Left Handed x2
- 103225L Halstead Forceps Cof 5" - Left Handed x2
- 101780L Crile Forceps Cof 5.5" - Left Handed x4
- 841350L Backhaus Towel Clips - Left Handed x4
- 585400L Olsen Hegar Needle Holders - Left Handed x1
- 341210 Adson Serrated Dissecting Forceps 125mm x1
- BX201040 Stainless Steel Box 200mm X 100mm X 40mm x1
- 342005 Debakey Forceps 6" x1
- 0803 Scalpel Handle No 3 x1
- 746110L Metzenbaum Scissors Str 18cm/7" - Left Handed x1

LHKIT Left Handed Instrument Starter Kit

The instruments are all contained in a stainless steel instrument box. Kit discounted by over 10%+.

Vi Basic Surgery Stitch Up Kit



Vi basic surgery stitch up kit containing high quality instrumentation for your stitch up procedures.

The Vi basic surgery stitch up kit contains:

- 0803 Scalpel Handle No 3 x1
- 106600 Spencer Wells Artery Forceps - Straight 125mm x2
- 346850 Treves 1/2 Teeth Dissecting Forceps 125mm x1
- 584760 Mayo Needle Holder 140mm x1
- 745300 Mayo Scissors Chamf Blades 140mm x1

VIBSSKIT Vi Basic Surgery Stitch Up Kit

Artery Forceps
Crile



Jaw is somewhat lighter than the more popular Spencer Wells Artery Forceps.

- I01750** Crile Artery Forceps Str 14cm 5.5"
- I01755** Crile Artery Forceps Atraumatic Jaws Str 14cm 5.5"
- I01765** Crile Artery Forceps Str 16cm 6.5"
- I01775** Crile Artery Forceps Str 18cm 7"
- I01780** Crile Artery Forceps Cof 14cm 5.5"
- I01785** Crile Artery Forceps Atraumatic Jaws Cof 14cm 5.5"
- I01795** Crile Artery Forceps Cof 16cm 6.5"
- I01800** Crile Artery Forceps Cof 18cm 7"

Halstead Mosquito



Very light but adequate for routine haemostasis in all but the largest blood vessels.

- I03165** Halstead Mosquito Artery Forceps Str 10cm 4"
- I03170** Halstead Mosquito Artery Forceps Cof 10 cm 4"
- I03175** Halstead Mosquito Artery Forceps Str 12.5cm 5"
- I03225** Halstead Mosquito Artery Forceps Cof 12.5cm 5"
- I03180** Halstead Mosquito Artery Forceps 1/2 Teeth Str 12.5cm 5"
- I03185** Halstead Mosquito Artery Forceps 1/2 Teeth Cof 12.5cm 5"

Kocher



Similar to Rochester Peans, but with a 1/2 toothed tip for added security.

- I05520** Kocher Artery Forceps Cof 14cm 5"
- I05521** Kocher Artery Forceps Str 15cm 6"
- I05522** Kocher Artery Forceps Cof 15cm 6"

Rochester Pean



Long jaw forceps, useful as a hysterectomy clamp in cats & small-medium breed bitches.

- I06225** Rochester Pean Artery Forceps Str 14cm 5.5"
- I06230** Rochester Pean Artery Forceps Str 16cm 6.5"
- I06235** Rochester Pean Artery Forceps Str 18cm 7"
- I06236** Rochester Pean Artery Forceps Str 22cm 8.5"
- I06270** Rochester Pean Artery Forceps Cof 14cm 5.5"
- I06275** Rochester Pean Artery Forceps Cof 16cm 6.5"
- I06280** Rochester Pean Artery Forceps Cof 18cm 7"
- I06285** Rochester Pean Artery Forceps Cof 20cm 8"
- I06290** Rochester Pean Artery Forceps Cof 22cm 9"

Spencer Wells



Standard veterinary artery forceps.

- 106600** Spencer Wells Artery Forceps Str 12.5cm 5"
- 106605** Spencer Wells Artery Forceps Str 15cm 6"
- 106610** Spencer Wells Artery Forceps Str 18cm 7"
- 106615** Spencer Wells Artery Forceps Str 20cm 8"
- 106620** Spencer Wells Artery Forceps Str 23cm 9"
- 106621** Spencer Wells Artery Forceps Str 30cm 12"
- 106625** Spencer Wells Artery Forceps Cof 12.5cm 5"
- 106630** Spencer Wells Artery Forceps Cof 15cm 6"
- 106635** Spencer Wells Artery Forceps Cof 18cm 7"
- 106640** Spencer Wells Artery Forceps Cof 20cm 8"
- 106645** Spencer Wells Artery Forceps Cof 23cm 9"

Negus Forceps



- 7018/05** Negus Artery Forceps Small Cof 18cm 7"

Dieffenbach (Bulldog) Clamps



Small Cross Action Vascular Clamps. Most commonly used in soft tissue surgery.

- 107708** Dieffenbach (Bulldog) Clamp Str 5cm
- 107710** Dieffenbach (Bulldog) Clamp Cof 5cm

Mayo Safety Pin



Use to organise artery forceps & other similar instruments.

- 106699** Mayo Safety Pin

Sponge Forceps Rampleys Sponge Forceps



- 786505** Rampleys Sponge Forceps 250mm

Tissue Forceps

Allis



801150 Allis 2/3 Teeth 15cm 6"



801160 Allis 4/5 Teeth 15cm 6"



801165 Allis 5/6 Teeth 15cm 6"



801170 Allis 6/7 Teeth 15cm 6"

General purpose tissue forceps.

- 801150** Allis 2/3 Teeth 15cm 6"
- 801155** Allis 3/4 Teeth 15cm 6"
- 801156** Allis 3/4 Teeth 18cm 7"
- 801160** Allis 4/5 Teeth 15cm 6"
- 801165** Allis 5/6 Teeth 15cm 6"
- 801170** Allis 6/7 Teeth 15cm 6"
- 801175** Baby Allis 4/5 Teeth 13cm 5"

Babcock



An alternative to Allis's. Less traumatic but less grip.

- 801350** Babcock 16.5cm 6.5"
- 801354** Babcock 18cm 7"
- 801355** Babcock 20cm 8"
- 801360** Babcock 23cm 9"

Youngs Tongue Forceps



- 7853/05** Youngs Tongue Forceps 170mm
- 7853/05SPARE** Young Tounge Forceps Spare Rubbers 1 Pair

Scalpel Blades & Handles

Vi Scalpel Handle

06054 Vi Beaver Blade Handle 130mm

Swann Morton Scalpel Blades

0201 Carbon Sterile Blades 10
 0203 Carbon Sterile Blades 11
 0204 Carbon Sterile Blades 12
 0205 Carbon Sterile Blades 15
 0207 Carbon Sterile Blades 21
 0208 Carbon Sterile Blades 22
 0210 Carbon Sterile Blades 23
 0211 Carbon Sterile Blades 24
 02551 PM40 Standard Blade Box Of 10

Swann Morton Scalpel Blade Removers

240109 Scalpel Blade Removing Forceps
 5525 Scalpel Blade Remover Box Of 10

Swann Morton Fine Blades Beaver Type

05901 Fine Stainless Steel Blades SM61 Box Of 25
 05902 Fine Stainless Steel Blades SM62 Box Of 25
 05903 Fine Stainless Steel Blades SM63 Box Of 25
 05904 Fine Stainless Steel Blades SM64 Box Of 25
 05905 Fine Stainless Steel Blades SM65 Box Of 25
 05906 Fine Stainless Steel Blades SM65A Box Of 25
 05907 Fine Stainless Steel Blades SM67 Box Of 25
 05908 Fine Stainless Steel Blades SM68 Box Of 25
 05909 Fine Stainless Steel Blades SM69 Box Of 25

Swann Morton Handles

0803 Scalpel Handle No 3
 0804 Scalpel Handle No 4
 0805 Scalpel Handle No 5B
 0807 Scalpel Handle No 7
 0814 Scalpel Handle No 4L
 0909 Scalpel Handle No 9
 0923 Scalpel Handle No B3
 02652 PM40 Standard Handle

Swann Morton Fine Stainless Handle Beaver Type

06051 Fine Stainless Steel Beaver Type Scalpel Handle 130mm
 06052 Fine Stainless Steel Beaver Type Scalpel Handle 100mm
 06053 Fine Stainless Steel Beaver Type Scalpel Handle 80mm

Scalpel Handles & Blades

Code	Scalpel Size	Handle Length	Blade Size
0803	No 3 Handle With Scale	12cm	10,11,12,15
0923	No B3 Handle	12.8cm	10,11,12,15
0804	No 4 Handle	13cm	21,22,23,24
0814	No 4 Long Handle	21cm	21,22,23,24
0807	No 7 Handle	16cm	10,11,12,15
0909	No 9 Handle	11.6cm	10,11,12,15
0805	No 5(B) Scalpel Handle	13cm	10,11,12,15

Surgical Scissors

Surgical scissors are typically either one of two designs. The mayo is the general purpose surgical scissor in which the blade occupies approximately one third of the length of the scissor. The 14cm straight mayo is the standard veterinary surgical scissor. The metzenbaum is a finer lighter scissor in which the blade occupies approximately one quarter of the scissor length. Using a 14.5cm metzenbaum rather than a 14cm mayo will give you a finer scissor but a similar working distance.

Each style of scissor is available in four different qualities which vary according to blade construction & cutting characteristics. They can be identified by handle colour.

- Standard Stainless
- Supercut Black
- Tunsten Carbide Gold
- Supercut T.C. Black & Gold

Surgical Scissor - Mayo



- 745300** Mayo Chamf Blades Str 14cm 5.5"
- 745300L** Mayo Chamf Blades Str Left Handed 14cm 5.5"
- 745310** Mayo Chamf Blades Str 16.5cm 6.5"
- 745320** Mayo Chamf Blades Str 19cm 7.5"
- 745330** Mayo Chamf Blades Str 21.5cm 8.5"
- 745400** Mayo Chamf Blades Cof 14cm 5.5"
- 745410** Mayo Chamf Blades Cof 16.5cm 6.5"
- 745420** Mayo Chamf Blades Cof 19cm 7.5"
- 745430** Mayo Chamf Blades Cof 21.5cm 8.5"

Surgical Scissor - Supercut



One blade is sharpened to a tapered edge which greatly enhances the ability of the scissor to slice through tissues. The standard scissor has much more of a crushing action. Identified by having black handles.

- 760000** Mayo Supercut Str 14cm 5.5"
- 760002** Mayo Supercut Cof 14cm 5.5"
- 760008** Metzenbaum Supercut Str 14.5cm 5.75"
- 760009** Metzenbaum Supercut Cof 14.5cm 5.75"
- 760010** Metzenbaum Supercut Str 18cm 7"
- 760012** Metzenbaum Supercut Cof 18cm 7"

Surgical Scissor - Metzenbaum



- 746100** Metzenbaum Scissor Str 14.5cm 5.75"
- 746101** Metzenbaum Scissor Str 15cm 6"
- 746110** Metzenbaum Scissor Str 18cm 7"
- 746110L** Metzenbaum Scissor Str Left Handed 18cm 7"
- 746115** Metzenbaum Scissor Str 20.5cm 8"
- 746130** Metzenbaum Scissor Str 23cm 9"
- 746200** Metzenbaum Scissor Cof 14.5cm 5.75"
- 746210** Metzenbaum Scissor Cof 18cm 7"
- 746215** Metzenbaum Scissor Cof 20.5cm 8"
- 746230** Metzenbaum Scissor Cof 23cm 9"

Surgical Scissors - Tungsten Carbide



Tungsten carbide cutting edges give long service life between sharpening. Gold handles distinguish these from standard scissors.

752250	Mayo Clinical Hard Edge Str 15cm 6"
752260	Mayo Clinical Hard Edge Str 18cm 7"
752280	Mayo Clinical Hard Edge Cof 15cm 6"
752290	Mayo Clinical Hard Edge Cof 18cm 7"
754020	Metzenbaum Hard Edge Str 14.5cm 5.75"
754030	Metzenbaum Hard Edge Str 18cm 7"
754060	Metzenbaum Hard Edge Str 23cm 9"
754080	Metzenbaum Hard Edge Cof 14.5cm 5.75"
754090	Metzenbaum Hard Edge Cof 18cm 7"
754120	Metzenbaum Hard Edge Cof 23cm 9"
754095	Metzenbaum Hard Edge Cof 35cm 14"

Surgical Scissor - Supercut T.C.



Combining the hard wearing characteristics of tungsten carbide with supercut tapered edges to provide a very fine cut & long interval between sharpening.

76000TC	Mayo Supercut T.C. Str 14cm 5.5"
76002TC	Mayo Supercut T.C. Cof 14cm 5.5"
760008TC	Metzenbaum Supercut T.C. Str 14.5cm 5.75"
760009TC	Metzenbaum Supercut T.C. Cof 14.5cm 5.75"
760010TC	Metzenbaum Supercut T.C. Str 18cm 7"
760012TC	Metzenbaum Supercut T.C. Cof 18cm 7"

Cosmetic Surgeon Scissors



Favoured by human cosmetic surgeons, these scissors have very fine razor sharp blades with tungsten carbide inserts for long life. They have a beautiful action & a place in veterinary surgery where precise cutting is required, especially for fine skin.

755100	Cosmetic Surgeon Scissors T.C. Str 15cm 6"
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General Scissors

Dressing - Blunt/Blunt



- 742610 Dressing Scissors Blunt Str 12.5cm 5"
- 742620 Dressing Scissors Blunt Str 14cm 5.5"
- 742630 Dressing Scissors Blunt Str 15cm 6"
- 742640 Dressing Scissors Blunt Str 18cm 7"
- 742650 Dressing Scissors Blunt Str 20cm 8"
- 742900 Dressing Scissors Blunt Cof 12.5cm 5"
- 742622 Dressing Scissors Serr. B/B Cof 14cm 5"
- 742910 Dressing Scissors Blunt Cof 14cm 5.5"
- 742910L Dressing Scissors Blunt Cof 14cm 5.5" Left Handed
- 742920 Dressing Scissors Blunt Cof 15cm 6"
- 742930 Dressing Scissors Blunt Cof 18cm 7"
- 742940 Dressing Scissors Blunt Cof 20cm 8"

Dressing - Sharp/Sharp



- 742600 Dressing Scissors Sharp Str 10cm 4"
- 742700 Dressing Scissors Sharp Str 11cm 4.5"
- 742710 Dressing Scissors Sharp Str 13cm 5"
- 742720 Dressing Scissors Sharp Str 14cm 5.5"
- 742730 Dressing Scissors Sharp Str 15cm 6"
- 742740 Dressing Scissors Sharp Str 18cm 7"
- 743010 Dressing Scissors Sharp Cof 12.5cm 5"

Dressing - Blunt/Sharp



- 742810 Dressing Scissors Blunt/Str Sharp 5"
- 742820 Dressing Scissors Blunt/Str Sharp 6"
- 743100 Dressing Scissors Blunt/Cof Sharp 5"
- 743120 Dressing Scissors Blunt/Cof Sharp 6"

Dressing - Blunt/Blunt Coloured Handles



These standard dressing scissors are available with different coloured handles for easy identification.

- 742622G Dressing Scissors Serr B/B Cof Gold Handles 5"
- 742622B Dressing Scissors Serr B/B Cof Blue Handles 5"
- 742622RB Dressing Scissors Serr B/B Cof Rainbow Handles 5"
- 742622P Dressing Scissors Serr B/B Cof Purple Handles 5"

Bandage Scissors

Veterinary Bandage Scissors



Lower profile & slightly straighter than standard Lister bandage scissors, to better fit veterinary patients. Listers are often too bulky, as they are designed for larger human patients.

- 744820 Veterinary Bandage Scissors 14cm 5.5"
- 744830 Veterinary Bandage Scissors 19cm 7.5"

Lister Bandage



- 744800 Lister Bandage Scissor 145mm 5.5"
- 744810 Lister Bandage Scissor 18cm 7"

General Purpose Dressing Scissors



The comfortable handles & serrated blades make these a useful all round dressing scissor cheap enough for each consulting room.

- 744840 General Purpose Dressing Scissors 190mm

Stitch Cutters

Heath Stitch



General purpose stitch cutter.

- 743800 Heath Stitch Scissors 15cm 6"

Littauer Stitch



Very nice for removal of small awkward sutures.

- 745095 Littauer Stitch Scissors 9cm 3.5"
- 745100 Littauer Stitch Scissors 11cm 4.5"
- 745110 Littauer Stitch Scissors 12.5cm 5"

Castroviejo Suture Removal Scissors



Designed for the removal of very fine sutures. The Castroviejo action matches that of the Castroviejo Needle Holders.

- 014185 Castroviejo Suture Removal Scissors 120mm

Needle Holders

Dedicated needleholders grip the best, & dedicated suture scissors cut the best. However combined needleholder/scissors are very popular for convenience in spite of the functional compromise. Most Vi needleholders are available with tungsten carbide jaw inserts. These grip & wear better. Particularly useful for smaller needles. Identified by gold handles.

Castroviejo



Classic ophthalmic needleholder with catch. Infrequent ophthalmic surgeons should also consider Miniature Fosters or Ryders as the squeeze action of Castroviejos requires patience & practice to master. Also available without catch.

- 014175 Castroviejo Needle Holders With Catch T.C. 150mm
- 014177 Castroviejo Needle Holders Without Catch T.C. 150mm
- 014179 Castroviejo Needle Holders With Catch T.C. 165mm
- 014178 Castroviejo Needle Holders With Catch T.C. 180mm

Castroviejo Needle Holders/Scissor



This Instrument functions as a standard Castroviejo needleholder but the jaws incorporate a suture cutting function in the style of Olsen Hegars or Gillies. Jaws are tungsten carbide for maximum grip.

- 014181 Castroviejo Needle Holders/Scissor Str T.C. 150mm
- 014182 Castroviejo Needle Holders/Scissor Cof T.C. 150mm Cof
- 014183 Castroviejo Needle Holders/Scissor Str 'S'Cut T.C. 150mm
- 014184 Castroviejo Needle Holders/Scissor Cof 'S'Cut T.C. 150mm

Miniature Foster Gillies



- 602710 Miniature Foster Gillies T.C. 100mm 4"

Foster Gillies



Smaller than the standard Gillies this instrument is useful for finer surgery or smaller hands.

- 582650 Foster Gillies Needle Holders RH 12.5cm 5"
- 582660 Foster Gillies Needle Holders LH 12.5cm 5"
- 602700 Foster Gillies Needle Holders T.C. Jaws RH 12.5cm 5"
- 602705 Foster Gillies Needle Holders T.C. Jaws LH 12.5cm 5"

Gillies



Combined scissor/needle holder.

- 582950 Gillies Needle Holders RH 16cm 6.25"
- 582951 Gillies Needle Holders LH 16cm 6.25"
- 602950 Gillies Needle Holders T.C. Jaws RH 16cm 6.25"
- 602951 Gillies Needle Holders T.C. Jaws LH 16cm 6.25"

McPhails



The McPhails needle holder has one soft copper jaws for extra needle grip, the other is stainless steel. The catch engages with a moderate squeeze on the handles. Further pressure releases the catch & the needle.

- 584650 McPhails Needle Holders 15cm 6"
- 584660 McPhails Needle Holders 18cm 7"
- 584670 McPhails Needle Holders 20cm 8"

Kilner Needle Holders



Kilner needle holders are similar to 140mm Mayos but the arms are cranked, offsetting the jaws from the handles by around 10mm.

608000 Kilner Needle Holders 140mm 5.5"

Mayo & Mayo Hegar (T.C.)



Veterinary general purpose needleholder, available in a wide range of sizes with or without tungsten carbide jaw inserts. Mayo Hegar is the TC variant of standard Mayo.

- 584750** Mayo Needle Holders 12.5cm 5"
- 584760** Mayo Needle Holders 14cm 5.5"
- 584780** Mayo Needle Holders 16.5cm 6.5"
- 584765** Mayo Needle Holders 18cm 7.0"
- 584820** Mayo Needle Holders 20cm 8"
- 604700** Mayo Hegar T.C. Jaws 12.5cm 5"
- 604705** Mayo Hegar T.C. Jaws 14cm 5.5"
- 604715** Mayo Hegar T.C. Jaws 16cm
- 604715L** Mayo Hegar T.C. Jaws - Left Handed 16cm
- 604720** Mayo Hegar T.C. Jaws 18.5cm 7"
- 604730** Mayo Hegar T.C. Jaws 7.5"
- 604735** Mayo Hegar T.C. Jaws 8"
- 604740** Mayo Hegar T.C. Jaws 23cm 9"

Olsen Hegar Scissor/Needle Holder



Olsen Hegar's combine the best features of Gillies & needleholders. They cut stitches but also lock. Highly recommended. Combined scissor/needle holder. Looser 'feel' will feel more like a scissor than a needleholder in use.

- 585400** Olsen Hegar Needle Holders 14cm 5.5"
- 585410** Olsen Hegar Needle Holders 16.5cm 6.5"
- 585420** Olsen Hegar Needle Holders 19cm 7.5"
- 585420L** Olsen Hegar Needle Holders 19cm 7.5"
- 605340** Olsen Hegar Needle Holders T.C. Jaws 11.5cm 4.5"
- 605350** Olsen Hegar Needle Holders T.C. Jaws 14cm 5.5"
- 605350S** Olsen Hegar Needle Holders 'S' Cut T.C. Jaws 14.5cm 5.5"
- 605355** Olsen Hegar Needle Holders T.C. Jaws 16.5cm 6.5"
- 605355L** Olsen Hegar Needle Holders T.C. Jaws L H 16.5cm 6.5"
- 605380** Olsen Hegar Needle Holders 'S' Cut T.C. Jaws 17cm
- 605385** Olsen Hegar Needle Holders 'S' Cut T.C. Jaws 18cm
- 605390** Olsen Hegar Needle Holders 'S' Cut T.C. Jaws 19cm
- 605360** Olsen Hegar Needle Holders T.C. Jaws 19cm 7.5"
- 605361** Olsen Hegar Needle Holders Razor Cut 14.5cm 5.5"
- 605362** Olsen Hegar Needle Holders Razor Cut 17cm 6.5"

DeBakey Needle Holders



Much lighter in construction than the Mayo Hegar. These needleholders are very useful for deep surgical procedures where there is limited space e.g. chest surgery.

- 602005** DeBakey Needle Holders T.C. Jaws 7"
- 602010** DeBakey Needle Holders T.C. Jaws 20cm 8"
- 602015** DeBakey Needle Holders T.C. Jaws 23cm 9"
- 602020** DeBakey Needle Holders T.C. Jaws 10"
- 602025** DeBakey Needle Holders T.C. Jaws 12"

Ryder Needle Holders



Ideal for small needles. The smaller sizes are an alternative for ophthalmic needleholders.

- 606340 Ryder (Micro) T.C. Jaws 12.5cm 5"
- 606305 Ryder (Micro) 15cm 6"
- 606345 Ryder (Micro) T.C. Jaws 15cm 6"
- 606350 Ryder (Micro) T.C. Jaws 18cm 7"

Derf Needle Holder



The Derf needle holder is a small T.C. needleholder with slightly heavier jaws than the Ryder. More resistant to surgeon abuse!

- 607010 Derf Needle Holder T.C. Jaws 12cm

Galibans Suture Forceps



Use when placing sutures under tension. A good example is the placement of a lateral stabilising suture in the management of anterior cruciate ligament failure or abdominal sutures in an overweight dog. Galibans used by an assistant are used to atraumatically secure the first throw. The Galibans are removed as the second throw is tightened.

- 58900 Galibans Suture Holding Forceps

Towel Clips

Backhaus Towel Clip



- 841350 Backhaus 9cm 3.5"
- 841355 Backhaus 10cm 4"
- 841360 Backhaus 12.5cm 5"

Cross Action Towel Clips



- 846550 Shardel Cross Action 9cm 3.5"



- 171566 Jones Cross Action 9cm 3.5"

Atraumatic Towel Clip



Non puncturing but will bruise if not used with care

- 841352 Atraumatic Towel Clip 4.5"

Ball & Socket Towel Clamp



Designed for use on drapes only, for drape to drape anchorage. Less likely to cause tears, particularly with disposable drapes.

- 843005 Ball & Socket Towel Clamp 5"

Dissecting Forceps Serrated-Block End



General purpose dressing forcep.

- 341070** Block End Serrated Dissecting Forceps 5" 12.5cm
- 341075** Block End Serrated Dissecting Forceps 6" 15cm
- 341080** Block End Serrated Dissecting Forceps 7" 18cm
- 347655** Dressing Forceps 205mm

Treves Rat Tooth Forceps



General purpose rat tooth dissecting forceps.

- 346850** Treves Dissecting Forceps Teeth 12.5cm 5"
- 346855** Treves Dissecting Forceps 1/2 Teeth 15cm 6"
- 346860** Treves Dissecting Forceps Teeth 18cm 7"
- 347665** Fine Rat Tooth Thumb Forceps 205mm

Dissecting Forceps 1/2 Teeth



- 341145** Dissecting Forceps 1/2 Teeth 15cm 6"
- 341160** Dissecting Forceps 1/2 Teeth 18cm 7"
- 341170** Lanes Dissecting Forceps 1/2 Teeth 6" 15cm
- 349520** Lanes Dissecting Forceps 2/3 Teeth 7" 18cm

Connective Tissue Forceps



DeBakey style handles with Adson Brown tips, providing excellent grip of connective tissue with minimal trauma.

- 343001** Connective Tissue Forceps 153mm 6"
- 343002** Connective Tissue Forceps 180mm 7"

Adson



Ideal for fine surgical procedures. Available in a range of jaw designs.

- 341200** Adson Serrated Dissecting Forceps 12.5cm 5"
- 341201** Adson Serrated Extra Fine 12.5cm 5"
- 341210** Adson Dissecting Forceps 1/2 Teeth 12.5cm 5"
- 341212** Adson Brown Dissecting Forceps 12.5cm 5"
- 341214** Adson Brown Serrated/ Crocodile 15cm 6"
- 341215** Adson Brown 1/2 Teeth 15cm 6"
- 341220** Adson DeBakey Dissecting Forceps 125mm 5"

DeBakey - Atraumatic



Originally designed for cardiovascular surgery, these forceps grip firmly with minimal damage to delicate tissue, including bowel & urogenital system.

- 342005** DeBakey Dissecting Forceps 6"
- 342010** DeBakey Dissecting Forceps 18cm 7"
- 342015** DeBakey Dissecting Forceps 8"
- 342020** DeBakey Dissecting Forceps 20.5cm 8.2"
- 342030** DeBakey Dissecting Forceps Angled 15cm 6"

Epilation Forceps



- 342450** Epilation Forceps Square Jaws Plain 9cm 3.5"

St. Martin Dissecting Forceps



A very fine rat tooth for delicate procedures including corneal surgery.

- 014160** St. Martin Dissecting Forceps Teeth 90mm 3.25"

Retractors

Good retraction is the key to success in many procedures, especially surgery on deep structures e.g. the pelvis or the larynx.

Langenbeck



- 684375 Langenbeck Retractor 6mm Blade 215mm
- 684395 Langenbeck Retractor Long Reach 6mm x 35mm Blade 220mm
- 684380 Langenbeck Retractor 13mm Blade 215mm
- 684390 Langenbeck Retractor 20mm Blade 215mm
- 684385 Langenbeck Retractor 25mm Blade 215mm

Morris Retractor



Much wider than the Langenbeck, good for fat abdomens.

- 684750 Morris Retractor 38mm 1.5" 215mm
- 684755 Morris Retractor 50mm 2" 260mm
- 684760 Morris Retractor 65mm 2.5" 220mm

Senn (Cats Paw) Retractor



- 833305 Senn Retractor Sharp (Cats Paw) 160mm
- 833310 Senn Retractor Blunt (Cats Paw) 160mm

Fat Pad Retractor



Visualisation of the medial meniscus is maximised by retraction of the fat pad. Previously this has been achieved by use of a Senn (Cats Paw) retractor. The fat pad retractor has the same clawed foot but has a much more practical means of holding the instrument.

- 001114 Fat Pad Retractor 180mm

Malleable (Walton) Retractors



These flat plates of soft stainless steel are bent intra-operatively to retain abdominal structures.

- 687613 Malleable Retractor 13mm 175mm
- 687825 Malleable Retractor 25mm 250mm
- 687651 Malleable Retractor 50mm 330mm

Collins



The two blades swivel as retraction takes place. They self-centre in the incision.

- 703260 Collins Retractor 110mm Spread

Rib Retractor Finnochetto



Finnochetto is the standard rib retractor, available in large & small.

- 704000 Rib Retractor Finnochetto Small 95mm Spread
- 704005 Rib Retractor Finnochetto Large 130mm Spread

Gosset Retractor



Good as a rib retractor, laparotomy retractor & for retraction of ventral cervical structures during cervical fenestration.

- 701550 Gosset Retractor Large 185mm Spread
- 710600 Gosset Retractor Small 100mm Spread

Aln Skin Retractor



- 252370 Aln Skin Retractor 7.5cm 3"

Balfour Retractors

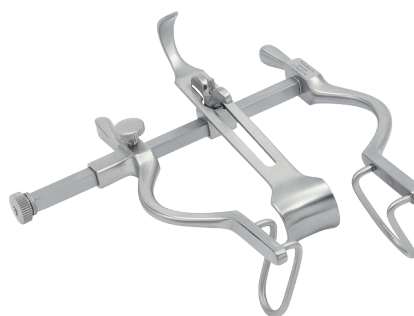


The original Balfour has for many years served as the standard large abdominal retractor for canine surgery. However the standard midline canine approach is very different from the standard human approach. Alasdair Hotston Moore has re-visited the original design & has made some significant changes which improve the instrument both in use & sterilisation.

Balfour Locking Ring

The central blade in the Balfour slides freely on the back bar & automatically self centers. If the lesion or organ of interest is off centre this is undesirable.

The Balfour locking ring fits onto the back bar & may be locked in any position, holding the blade off centre. The Balfour locking ring fits all Vi Balfours.



- 25-2375AHM AHM Balfour Retractor 180mm Spread
- 25-2375 Standard Balfour Retractor 180mm Spread
- 25-2375R Balfour Locking Ring
- 25-2377 Medium Balfour 115mm Spread
- 25-2376 Baby Balfour Retractor 90mm Spread

Travers



Useful for retraction of skin & superficial soft tissue.

- 703051 Travers Self Retaining Retractor 70mm Spread 16.5cm 6.5"
- 703050 Travers Self Retaining Retractor 90mm Spread 20cm 8"
- 703053 Travers Self Retaining Retractor Mini 43mm Spread 95mm

Weislander



Arms are flat compared with the Wests. Proportions differ from Travers.

- 702150 Weislander Self Retaining Retractor Sharp 60mm Gape 14cm 5.5"
- 702152 Weislander Self Retaining Retractor Blunt 60mm Gape 14cm 5.5"

West Retractors



Widely used but sharp points tend to snag tissues. Curved arms sit quite nicely on small veterinary patients.

- 703250 West Retractor 50mm Spread 140mm 5.5"
- 703253 Mini West Retractor 40mm Spread 95mm

Gelpi Self Retaining Retractor

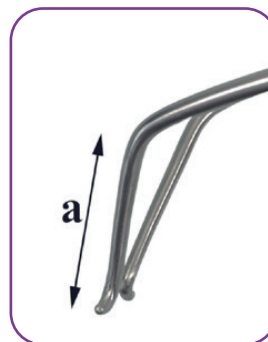


The Gelpi is an extremely versatile self retaining retractor useful in almost any orthopaedic procedure. Veterinary Instrumentation Gelpis are different from standard Gelpis in two respects:

1. Short blunt tips give focal retraction for precise exposure of the fracture or lesion
2. The teeth on the ratchet are smaller than usual giving finer control over the spread of the tips

Gelpis are virtually an extra pair of hands & are invaluable where the surgeon is working without a scrubbed assistant. The curved shape fits nicely on our patients. Useful in the following procedures & many more:

- Total Femoral Head & Neck Excision
- CrCL repairs
- Meniscal examination
- All arthrotomy procedures
- Fracture repairs
- Wobblers
- Laminectomies
- Rib retractors in small patients



Two pairs of Gelpis placed at right angles to one another may be used to create a window into a joint or fracture site. Gelpis are available in a number of lengths. Measurement 'a' gives the depth of the tips.

Available as singles or sets of two Gelpis.

- 001330 Gelpi Retractor 120mm Spread (a=20mm) 180mm Long
- 001330SL Gelpi Retractor With Spinlock (a=20mm) 180mm Long
- 001330S Gelpi Retractor Sharp Tips (a=20mm) 180mm Long
- 001331 Gelpi Long Reach (a=40mm) 200mm Long
- 001331L Gelpi Very Long Reach (a=60mm) 200mm Long
- 001332 Gelpi Small 60mm Spread (a=15mm) 135mm Long
- 0013301 Gelpi Mini Flat 45mm Spread (a=15mm) 90mm Long
- 0013302 Gelpi Mini Curved 45mm Spread (a=15mm) 90mm Long
- 0013303 Gelpi Mini Curved 45mm Spread Blunt Tips 90mm Long
- 001330/2 Gelpi Retractors 120mm Spread (a=20mm) 180mm Long Set Of 2
- 001330SL/2 Gelpi Retractors With Spinlock (a=20mm) 180mm Long Set Of 2
- 001330S/2 Gelpi Retractors Sharp Tips (a=20mm) 180mm Long Set Of 2
- 001331/2 Gelpi Long Reach (a=40mm) 200mm Long - Set Of 2
- 001331L/2 Gelpi Very Long Reach (a=60mm) 200mm Long - Set Of 2
- 001332/2 Gelpi Small 60mm Spread (a=15mm) 135mm Long - Set Of 2
- 0013301/2 Gelpi Mini Flat 45mm Spread (a=15mm) 90mm Long - Set Of 2
- 0013302/2 Gelpi Mini Curved 45mm Spread (a=15mm) 90mm Long - Set Of 2
- 0013303/2 Gelpi Mini Curved 45mm Spread 90mm Long Blunt Tips - Set Of 2
- 001333 Odd Leg Gelpi Pair (a=25/40mm) 205mm Long

Bungee Gelpi Self Retaining Retractors



Based on the Vi standard Gelpi, with added anchor points for elastic stays allowing 4 point retraction from a single two point instrument. Anchor points may be double loaded for 6 point retraction. Accepts Vi Elastic Stays.

Advantages:

- Better retraction with fewer retractors cluttering a wound
- Greater stability of Gelpi's within a wound with four or six point retraction preventing the tips from sliding towards each other. Easier for surgeries which are often performed in a more vertical position, such as perineal hernia repair
- More useful shape to retracted hole – more rectangular than round, square or diamond, but is very adaptable to suit the situation
- Multi-layer retraction such as creating deep retraction with tips & improved skin retraction with the elastic stays

001330BUNGEE Gelpi Bungee Retractor
701HOOK-A Sterile Ring Retractor Hooks Set Of 10

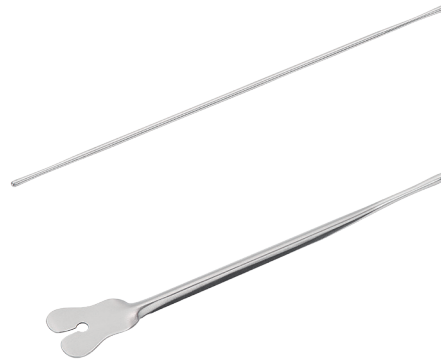
Sterile Surgical Skin Marker



Supplied in a sterile peel pouch the surgical marker allows the surgeon to demarcate selected sites prior to or during surgery. The Marker is scrub resistant, non toxic & highly visible. Especially useful around the eyes & ears where accurate reconstruction is vital. Also useful for large skin reconstruction procedures.

001487 Surgical Skin Marker Single

Miscellaneous Probes & Cutting Guides



Use the blunt probe to track fistulae. The butterfly cutting guide has a groove along its length to allow a scalpel to be run down without fear of damaging deeper tissues, the vulnerable tissues being protected by the guide. The notched spade end is useful for isolating vessels before ligating.

901010 Blunt Dissection Probe 140mm
901015 Winged Director 130mm

Cheate Steriliser Forceps



For manipulation of instruments during setting up.

787655 Cheate Steriliser Forceps B/J 26.5cm 10.5"

Left Handed Instruments

Vi offers a wide selection of left handed instruments, of which some is shown below. If the instrument you are looking for is not shown, please contact us & we will get it for you.

Left Handed Instrument Starter Kit



Kit contains:

- 745300L Mayo Scissors Str 5.5" - Left Handed x1
- 746200L Metzenbaum Scissors Str 5.75" - Left Handed x1
- 103175L Halstead Forceps Str 5" - Left Handed x2
- 103225L Halstead Forceps Cof 5" - Left Handed x2
- 101780L Crile Forceps Cof 5.5" - Left Handed x4
- 841350L Backhaus Towel Clips - Left Handed x4
- 585400L Olsen Hegar Needle Holders - Left Handed x1
- 341210 Adson Serrated Dissecting Forceps 125mm x1
- BX201040 Stainless Steel Box 200mm X 100mm X 40mm x1
- 342005 Debaquey Forceps 6" x1
- 0803 Scalpel Handle No 3 x1
- 746110L Metzenbaum Scissors Str 18cm/7" - Left Handed x1

LHKIT Left Handed Instrument Starter Kit

The instruments are all contained in a stainless steel instrument box..

Left Handed Scissors



- 745300L Mayo Scissor Blunt/Blunt Straight LH 14cm 5.5"
- 745400L Mayo Scissor Blunt/Blunt Curved LH 14cm 5.5"
- 745310L Mayo Scissor Blunt/Blunt Straight LH 16.5cm 6.5"
- 745410L Mayo Scissor Blunt/Blunt Curved LH 16.5cm 6.5"
- 746100L Metzenbaum Scissor Blunt/Blunt Straight LH 14.5cm 5.75"
- 746200L Metzenbaum Scissor Blunt/Blunt Curved LH 14.5cm 5.75"
- 746110L Metzenbaum Scissor Blunt/Blunt Straight LH 18cm 7"
- 746115L Metzenbaum Scissor Blunt/Blunt Straight LH 20cm 8"
- 744800L Lister Bandage Scissor LH 145mm 5.5"
- 744810L Lister Bandage Scissor LH 18cm 7"
- 744110L Iris Scissor Round Straight LH 11.5cm 4.25"
- 744130L Iris Scissor Round Curved LH 11.5cm 4.25"

Left Handed Forceps



- 103175L Halsted Mosquito Artery Forcep Straight LH 12.5cm 5"
- 103225L Halsted Mosquito Artery Forcep Curved LH 12.5cm 5"
- 101750L Crile Artery Forcep Straight LH 14cm 5.5"
- 101780L Crile Artery Forcep Curved LH 14cm 5.5"
- 106230L Rochester Pean Artery Forcep Straight LH 16cm 6.5"
- 106275L Rochester Pean Artery Forcep Curved LH 16cm 6.5"
- 841350L Backhaus Towel Forcep LH 9cm 3.5"

Left Handed Needle Holders



- 604715L Mayo Hegar Needle Holder LH 16.5cm
- 604720L Mayo Hegar Needle Holder LH 18.5cm 7"
- 585400L Olsen Hegar Needle Holder LH 14cm 5.5"
- 605355L Olsen Hegar Needle Holder LH 16.5cm 6.5"



As many readers will know, soft tissue surgery is a varied discipline, encompassing a wide range of surgical procedures that typically do not fall under the remit of orthopaedic surgery.

For small animal soft tissue surgery, we offer a comprehensive range of suitable Instrumentation, medical devices & kits to complete a wide range of approaches, including, but not limited to:

- Trauma Management
- Head & Neck Surgery
- Upper Respiratory Tract
- Abdominal Surgery
- Urogenital Surgery
- Thoracic Surgery



To visit the **Soft Tissue Surgery** section of our website, please scan the **QR** code below.



Feline Spay Kit



It is convenient & cheaper to purchase your spay packs as kits.

The Feline Spay Kit contains:

- 014211 Spay Forceps 125mm Long x1
- 0803 Scalpel Handle No.3 x1
- 103225 Halstead Mosquito Forceps Curved 125mm Long x2
- 106625 Spencer Wells Artery Forceps Curved 125mm Long x2
- 171566 Jones Cross Action Towel Clips 90mm Long x2
- 341210 Adson Dissecting Forceps 1/2 Teeth 125mm Long x1
- 585400 Olsen Hegar Needleholders 140mm Long x1
- 746100 Metzenbaum Scissors Straight 145mm Long x1
- BX201040 Stainless Steel Instrument Box x1

SPAYFEL Cased Feline Spay Kit

Canine Spay Kit



The Canine Spay Kit contains:

- 014307 Carmalt Forceps Curved 200mm Long x2
- 0803 Scalpel Handle No.3 x1
- 106630 Spencer Wells Artery Forceps Curved 150mm Long x4
- 171566 Jones Cross Action Towel Clips 90mm Long x4
- 341145 Dissecting Forceps 1/2 Teeth 150mm Long x1
- 585410 Olsen Hegar Needleholders 165mm Long x1
- 745300 Mayo Chamf Blades Straight 140mm Long x1
- 801155 Allis Tissue Forceps 3/4 Teeth 150mm Long x2
- BX221550 Stainless Steel Instrument Box x1

SPAYCAN Cased Canine Spay Kit

Thoracic Surgery Kit



Working inside the chest of medium & large dogs will require extended instrumentation. The instruments listed below represent a useful kit. When purchased as a kit there is a saving of over 10%. In addition a pair of rib retractors will be required. Other useful instruments include extra long Metzenbaum scissors & right angled forceps (Lahey cholecystectomy clamp & small right angled forceps).

The Thoracic Surgery Kit contains:

- 106205 45 Degree Curved Forceps 220mm x1
- 105415 90 Degree Curved Forceps 245mm x1
- 754060 Metz Scissors Str 235mm T.C. x1
- 754120 Metz Scissors Curved 235mm T.C. x1
- 342020 DeBakey Thumb Forceps 205mm x1
- 347665 Rat Tooth Thumb Forceps 205mm x1
- 602010 Debakey Needleholders T.C. 200mm x1
- 347655 Dressing Forceps 205mm x1
- 2685/03 Satinsky Clamps 160mm Long 20mm Jaw x1
- 2685/05 Satinsky Clamps 200mm Long 30mm Jaw x1

CAMTHORKIT Thoracic Surgery Kit

Vascular Probe Set



A set of 15 vascular probes in a fully autoclavable stainless steel Case. The 25mm long angled working tips are of specified diameter permitting accurate documentation of blood-vessel diameter & marriage of blood-vessel diameters when performing vascular anastomoses. With an overall length of 225mm, these are especially useful in abdominal surgery, in particular for documenting hepatic shunts.

The set includes probe diameters of 1.25mm, 1.5mm, 1.75mm, 2mm, 2.25mm, 2.5mm, 2.75mm, 3mm, 3.25mm, 3.5mm, 3.75mm, 4mm, 4.5mm, 5mm & 6mm. Diameters are clearly etched on the handles.

0014SET Vascular Probe Set

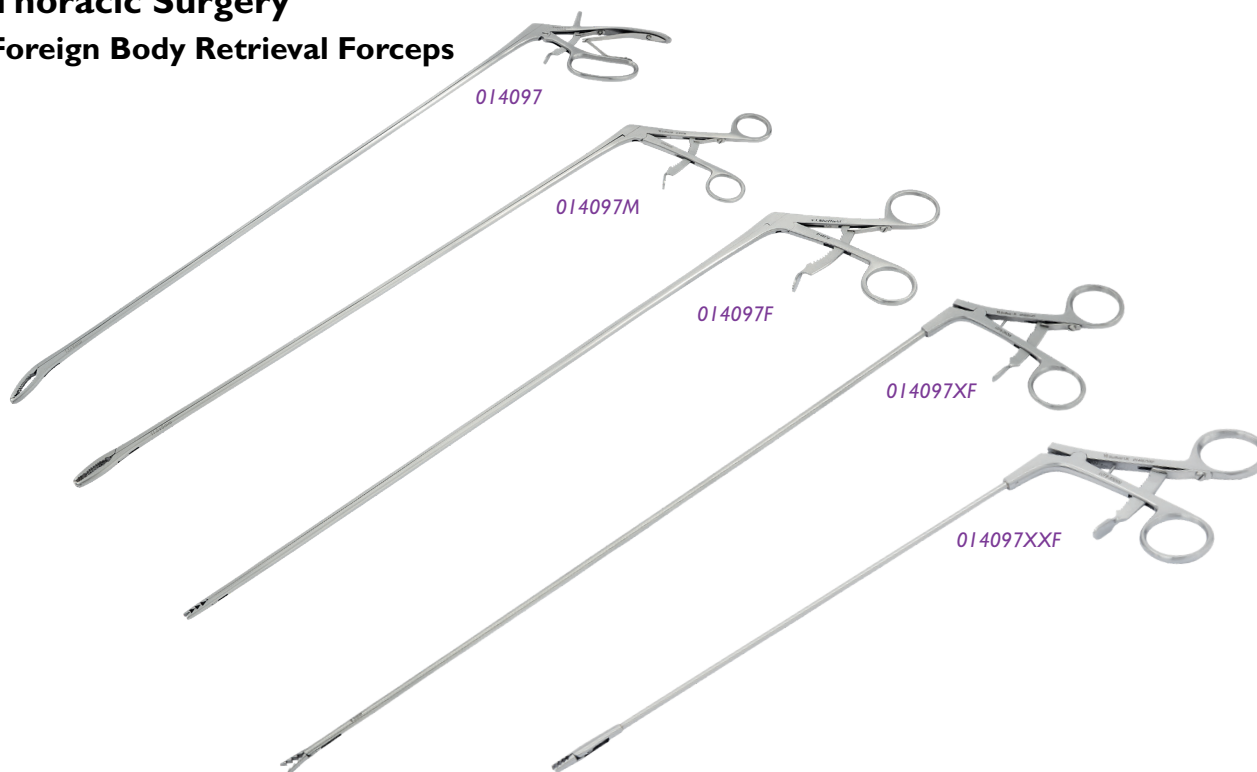
Malleable Instrument Set



Fully flexible instruments are difficult to control. Malleable instruments allow the tips to be positioned exactly where the surgeon needs them. The forceps are available as graspers or as biopsy forceps. The malleable loops are available in two loop diameters 2mm & 4mm. The instruments may be purchased as a Set in a stainless steel autoclave case. The Case comes free when purchased as a set.

- 014098** Malleable Grasping Forceps 145mm Shaft
- 014099** Malleable Biopsy Forceps 2mm Cup 145mm Shaft
- 012528** Malleable Ear Loop Curette 2.0mm Diameter
- 012529** Malleable Ear Loop Curette 4.0mm Diameter
- 014125** Malleable Instrument Set In Stainless Steel Case

Thoracic Surgery Foreign Body Retrieval Forceps








Key Features:

We offer a range of forceps to cover every eventuality from a bone in the oesophagus of a large dog to a grass seed in a cat trachea. The forceps may be guided by rigid or flexible endoscopes or fluoroscopy. In exceptional cases retrieval may be achieved by 'feel'. It is helpful to inflate the oesophagus prior to withdrawal of spiky objects. The teeth face backwards for maximum grip. When closed the jaws are atraumatic for minimal damage to the oesophagus or trachea.

Key Features:

- Backward facing teeth for maximum grip
- Jaws are externally atraumatic
- Shaft diameter as small as possible
- Large forceps jaws are angled when closed so that when open they sit mid oesophagus

014097	Foreign Body Retrieval Forceps	640mm Shaft Length
014097M	Foreign Body Retrieval Forceps	500mm Shaft Length
014097F	Foreign Body Retrieval Forceps	400mm Shaft Length
014097XF	Foreign Body Retrieval Forceps	400mm Shaft Length
014097XXF	Foreign Body Retrieval Forceps	220mm Shaft Length

Code		Diameter at Jaws in mm	Length at Jaws in mm	Shaft Diameter in mm	Shaft Length in mm
014097		13 x 9	34	7.5 x 6	640
014097M		1.5 x 6	31	6.5 x 5	500
014097F		5.6 x 4.2	15.5	4 x 3	400
014097XF		4.5	11.5	3.5	400
014097XXF		3.3	8	2.5	220

Curved Forceps - Long



- I06205** 45 Degree Curved Forceps 220mm Long
- I05415** 90 Degree Curved Forceps 245mm Long

Right Angled Clamps



Typically used to dissect around a patent ductus arteriosus & then pull through appropriate ligative material.

- 014051** Right Angled Lahey Cholecystectomy Clamps 195mm Long
- 014052** Small Right Angle Clamps 160mm Long
- 014052S** Small Right Angle Clamps without Ratchet 160mm Long

Ovariohysterectomy Spay Hooks



Use to atraumatically lift uterine horns.

- 014320** Spay Hook Small 130mm Long
014325 Spay Hook Large 170mm Long

Spay Forceps



Atraumatic spay forceps-tips have fine toothed DeBakey type form.

- 014211** Spay Forceps 125mm Long
014218 Spay Forceps (DeBakey Type) 125mm Long

Spay Clamps Angiotribes



The jaws of this instrument are designed for maximum crushing by serrated longitudinal grooves.

- 014304** Angiotribes Straight 160mm
014305 Angiotribes Curved 160mm
014301 Angiotribes Straight 200mm
014302 Angiotribes Curved 200mm

Hysterectomy Clamps (Carmault)



These clamps are curved with longitudinal grooves in the jaws to minimise tissue slippage. More reasonably priced than Angiotribes.

- 014307** Hysterectomy Clamp (Carmault) 200mm Long
014309 Hysterectomy Clamp (Carmault) 160mm Long

Howard 'B' Ovariohysterectomy Clamp



Designed & developed in practice by Howard Taylor who recognised that ovariohysterectomy was far from straightforward, particularly but not exclusively for recent graduates.

The clamp has a number of features which assist the surgeon in the exposure & ligation of the ovarian pedicle.

- The ligation material is preloaded onto the forceps which takes it through the broad ligament
 - Longitudinal grooves in the jaw minimise slippage
 - As the forceps are rotated the 'B' shaped extension 'collects' & brings together the structures of the pedicle ready for tying
 - The forceps sit outside the incision to exteriorise the pedicle
- The ligation is tied without precrushing but is retained by a small haemostat to check for bleeding prior to closure.

- 546470** Howard 'B' Ovariohysterectomy Clamp 160mm Long

Spay Retractors

Hauptman Retractors



This retractor designed by Joe Hauptman at Michigan maintains distal retraction of the ovary during ligation of the ovarian pedicle. This is the crucial part of the procedure which can be a challenge for even experienced surgeons.

- 014400 Small Hauptman Retractor 10mm Blade
- 014410 Medium Hauptman Retractor 15mm Blade
- 014420 Large Hauptman Retractor 20mm Blade

Miscellaneous Obstetrical Items



Hobdays Obstetric Forceps for Dogs



Killian Bitch Speculum



Miss Freakes Whelping Forceps

- 014310 Miss Freakes Whelping Forceps 260mm Long
- 546465 Hobdays Obstetric Forceps for Cats 150mm Long
- 546466 Hobdays Obstetric Forceps for Dogs 210mm Long
- 546455 Killian Bitch Speculum Blade Length 650mm Long (2½")



To keep up to date with all the latest updates, new products & offers at Vi, please register for our newsletter by scanning the QR code below.



Electrosurgery GIMA BiPolar Electrosurgery Unit 120 Watt



HF 122 is a high frequency electronic scalpel suitable for microcoagulation, small & medium Monopolar surgery & BiPolar coagulation.

The following Monopolar modes of operation are available via the control panel: pure cutting (Cut), coagulated cutting (Coag), Monopolar coagulation & microcoagulation (Blend). Additionally with BiPolar forceps, bipolar coagulation & microcoagulation are available.

Kit Includes:

- Two button Monopolar handle (autoclavable)
- Two button Monopolar handle (disposable)
- BiPolar cable & forceps
- Foot control
- Flat neutral plate
- 6 Short Monopolar electrodes



6x Monopolar tips included in the kit.
Spare tips available.



BiPolar forceps are included in the set.
Other style forceps are available.
EU forceps have a square fitting into the cable.



- HF122** 120 Watt Monopolar/ BiPolar Electrosurgery Unit
- HF125** Spare Autoclavable Monopolar Handpiece For HF122
- HF30547** Spare Monopolar Handle Screw Grip For HF122
- HF123** Spare Standard Bipolar Forceps For HF122
- HF124** Spare Bipolar Cable For HF122 (A Type)
- HF30568** Spare Foot Pedal For HF122
- HF127** Waterproof Foot Pedal For HF122

GIMA BiPolar Electrosurgery Unit 160 Watt



This unit is a higher-powered version of our popular HF 122 Unit.

The additional power availability comes into its own when working with mixed tissue densities such as in orthopaedics, & in more moist situations such as mucous membranes.

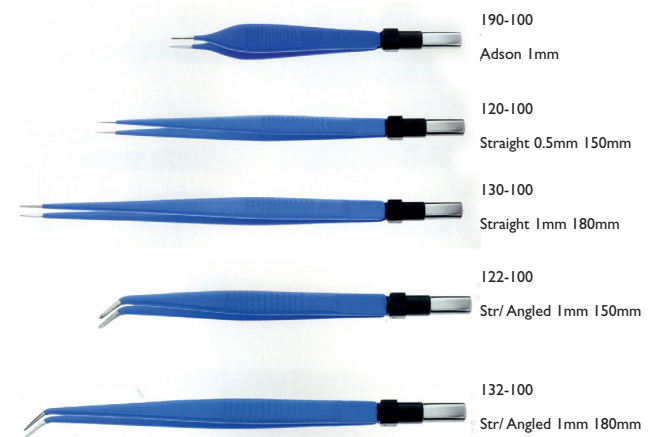
Modes of operation are pure cut, coagulated cut, forced coagulation, soft coagulation, & with bipolar forceps bipolar coagulation.

HF160 has the same set of alarms as the 120, including open circuit which warns of a disconnected cable or poor patient plate contact & interrupts the HF emission for cut & coagulation.

All the standard accessories shown for the HF120 fit this unit. We can also supply an adaptor which allows standard 2 x 4mm banana plug (Valley Lab type) bipolar cables to be used with HF 160.

- HF160** 160 Watt Monopolar/BiPolar Electrosurgery Unit
- HF30642** BiPolar Cable Adaptor For Gima Unit HF160 to 2x4mm Banana Plus

BiPolar Dissecting Forceps



- HF190-100** Bipolar Forceps Adson 1mm Tip
- HF120-100** Bipolar Forceps Straight 0.5mm Tip 150mm Long
- HF130-100** Bipolar Forceps Straight 1mm Tip 180mm Long
- HF122-100** Bipolar Forceps Straight/Angled 0.5mm Tip 150mm Long
- HF132-100** Bipolar Forceps Straight/Angled 1mm Tip 180mm Long

BiPolar Cable Generator Terminations



GIMA HF122



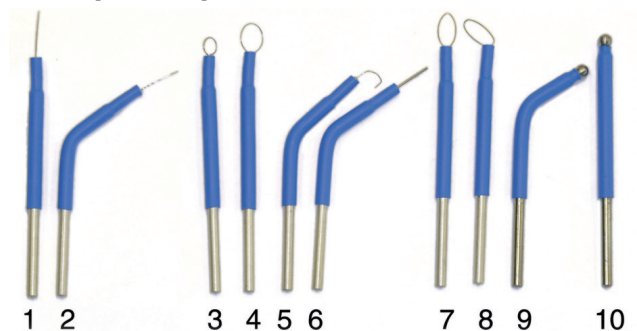
4mm Banana Plugs
Valley Lab
Eschman
Arthrex OPES

These are the most common types of termination for the generator or machine end of the cable. We can supply cables to fit all machines. If you do not see the right connector here please check the brand & model number of your electrosurgery unit & call or e-mail us.

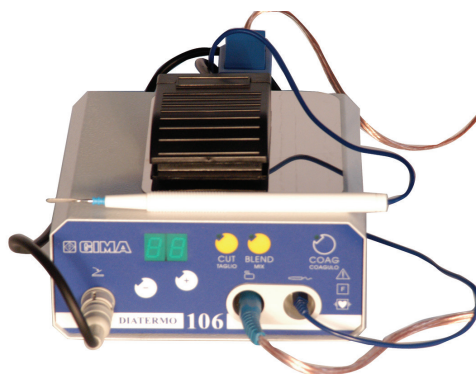
Our bipolar cables & forceps all have an EU fitting square end.

- HF124** Spare Bipolar Cable A Type EU Fitting Forcep Connector
 - HFS-30** Spare Bipolar Cable D Type EU Fitting Forcep Connector
- Other Bipolar Cable Types Available. Phone For Details

Monopolar Spares & Accessories



- HF1** Electrode
- HF2** Electrode
- HF3** Electrode
- HF4** Electrode
- HF5** Electrode
- HF6** Electrode
- HF7** Electrode
- HF8** Electrode
- HF9** Electrode
- HF10** Electrode
- HF1-10** Electrodes Mixed Set Of 10
- HF12** 7cm Blade - Autoclavable
- HF30537** Scratch Pad (Supplied Sterile) Pack Of 10
- HF30563** Spare Cable For Gima Plate
- HF126** Spare Metal Plate For HF122 & HF106

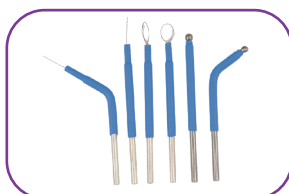


This HF 106 Electrosurgery Unit is particularly suitable for small procedures.

The 50 watt unit offers precision of cut with immediate coagulation.

There is a choice of ten electrodes. The three modes of operation, cut, coag & blend, can be easily selected through a switch on the front panel. Meets all EC standards for this type of equipment.

The package includes HF 106 with all accessories including electrode handle, flat neutral plate, foot switch & a kit of six electrodes 5 cm long.



6x Monopolar Tips included in the Kit.
Spare tips available.

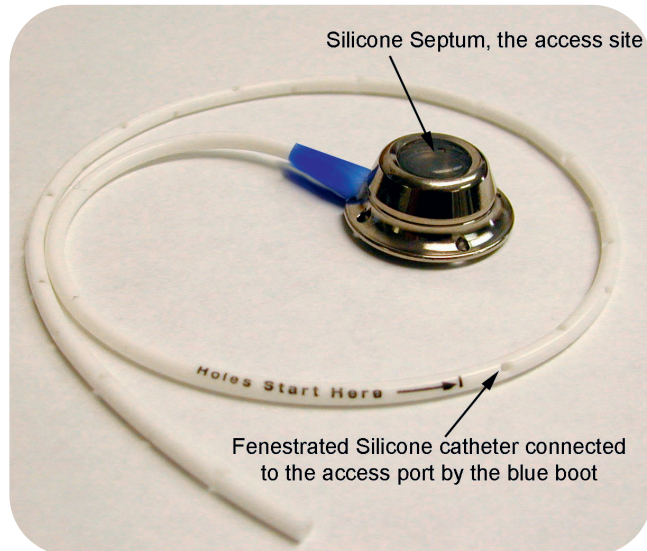
- HF106** 50watt Monopolar Electrosurgery Unit
- HF107** Spare Autoclavable Monopolar Handle For HF106

Norfolk Vet Products

Stock is held in the UK to minimise delays & aid your stock control. As usual these should be available for next day delivery if required.

The Norfolk & DocXS products are based around the CompanionPort device. This is a titanium port with a silicone septum which is implanted during a surgical procedure beneath the skin at a suitable site, depending on accessory connection required. The port is then accessed percutaneous using a special non-coring Huber point needle to either withdraw, sample or administer/flush as required with minimal disturbance & distress to the patient.

Pleural Port



A very useful member of the Norfolk family, this version of the Port kit consists of a silicone fenestrated catheter for insertion into the thoracic cavity, with a CompanionPort & three sizes of Huber needle.

All sizes of Huber needle are available to purchase in boxes of 12, for repeat port access.

Indications for use are repeated aspiration of the thoracic cavity, or intracavity chemotherapy.

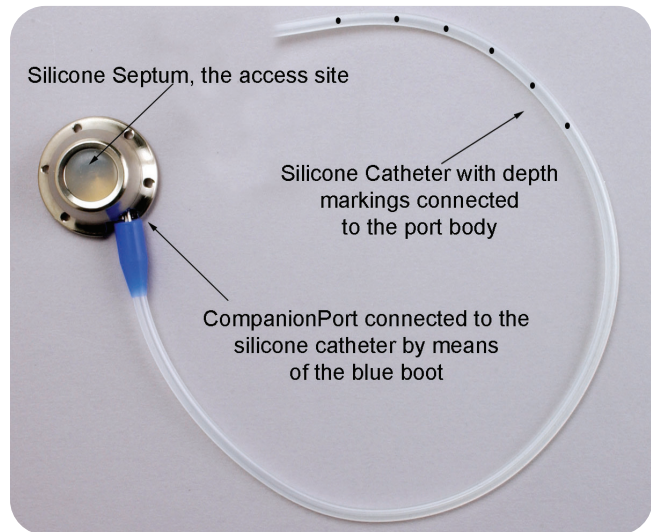
A surgical procedure under anaesthesia is required to place the catheter initially, but subsequent drainage of the chest can be carried out with no sedation & without struggling with the animal, while they are seated or lying comfortably. This substantially reduces the stress on an animal which usually already has compromised respiration.

A surgical guide & further information is available online at www.norfolkvetproducts.com

NOR-PP-102K
NOR-PP-202K

Pleural Port - Dogs
Pleural Port - Cats

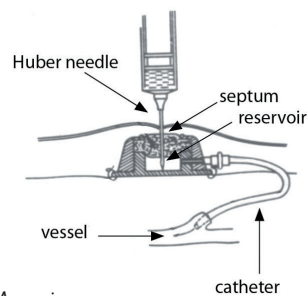
CompanionPort for Vascular Access



CompanionPort for Vascular Access has many indications for use, including regular repeat blood sampling, administration of chemotherapeutic agents, long term antibiotic therapy, sedation for radiation therapy etc.

The port is placed in a pocket created level with & immediately lateral to the transverse process of the 3rd or 4th cervical vertebrae. The catheter is placed via an incision into the jugular, using the peel-away introducer provided in the kit. The free end of the catheter is tunneled back to the port & secured. The catheter is flushed with saline, & locked with heparin.

A surgical guide & further information is available online at www.norfolkvetproducts.com

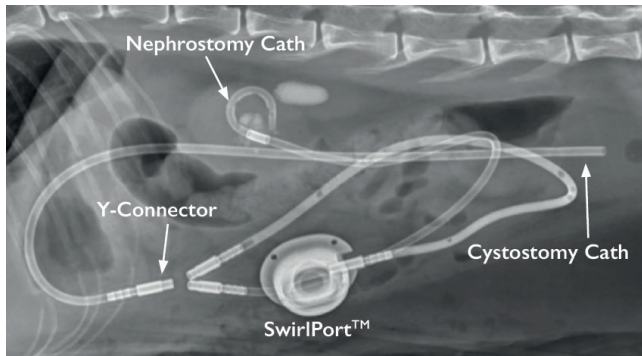


CompanionPort Accessing

NOR-CP-100K
NOR-CP202K
NOR-CP305K

CompanionPort Vascular Access Le Petite - Small Cats
CompanionPort Vascular Access Le Port - Cats & Small Dogs
CompanionPort Vascular Access Le Grande - Larger Dogs

The SUB™ - A Subcutaneous Ureteral Bypass System



The SUB™ is a unique system designed for use in dogs & cats. Components of the device are a locking loop pigtail catheter that is placed in the renal pelvis, a fenestrated & cuffed bladder catheter, & a titanium Shunting Port which is positioned subcutaneously. This allows sampling & flushing to be carried out percutaneously.

The kidney catheter has an 8mm locking pigtail & tapered tip, to allow easier placement. A metal stiffening cannula & trochar stylet is included. The radiopaque medical grade polyurethane catheter has a marker band at the loop heel for visualisation using fluoroscopy during placement. A version for larger dogs is available with a longer locking loop catheter. This is 38cm compared to the 18cm in the standard kits.

The bladder catheter is made of radiopaque silicone, again visible under fluoroscopy. A new addition is a radio-opaque marker on the bladder catheter to allow surgeons to confirm all the fenestrations are in the bladder.

Indications for use include ureteral strictures & ureteral stent reaction or intolerance. It is contraindicated where coagulopathy or mild hydronephrosis are present.

Additional accessories are available to allow 2 kidney catheters to be connected to 1 bladder catheter.

- | | |
|------------------------|---|
| NOR-BC-7 | Bladder Catheter 7FR |
| NOR-LL6.5 | Kidney (Pigtail) Catheter 6.5FR |
| NOR-SHU-PP | 3 Way Sub Port Only |
| NOR-GW-035 | J Tipped 0.035" Guide Wire |
| DC-7 | Metal Male To Male Adaptor For Sub Device |
| I050052 | Histoacryl Tissue Glue (Pack of 5) |
| NOR-SFK-20 | 20g Sub Flush Kit (Case of 5) |
| NOR-SFK-22 | 22g Sub Flush Kit (Case of 5) |
| NOR-SP4 | Medium Swirlport For Sub 3.0 Port Only |
| NOR-SUB3-2001K | Sub Device 3.0 Kit Cats & Small Dogs |
| NOR-SUB3-2002K | Sub Device 3.0 Kit Long |
| NOR-TFL-1202 | 1 Box Of 10 x T-FloLoc™ Syringes – 2mL 2% Tetra-EDTA Solution In 12mL Syringe |
| NOR-X-CONNECTOR | 4 Way X Connector For Bilateral Sub 3.0 |
| NOR-Y-CONNECTOR | 3 Way Y Connector For Unilateral Sub 3.0 |

DOCXS Artificial Urethral Sphincter (AUS) Port System

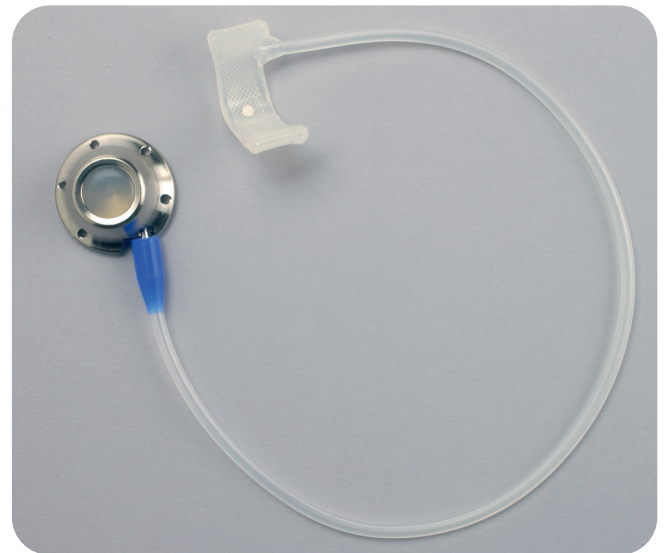
Artificial Urethral Sphincter (AUS) for use in dogs affected by refractory urinary incontinence where traditional medical treatment fails.

100% medical implant grade silicone rubber cuff & actuator tubing. Biocompatible Titanium Companion Port is secured subcutaneously usually at inner thigh for easy access.

Device can be adjusted by adding/removing sterile saline percutaneously via the silicone septum of the port using aseptic technique & a non-coring Huber point needle. Two widths & a range of lengths are available. Assess the approximate size required pre operatively using ultrasound. Full Kit available includes access Port, one AUS, two Huber Point needles, & one Huber Point Needle Right Angle Infusion Set 22g. Medium Access Port supplied as standard.

Individual components & more sizes on request.

For surgical guide & more information please contact info@vetinst.com, or call 0345 130 9596



- | | |
|------------------------|------------------------------------|
| DXAUS-KIT-6X11 | AUS Port System Kit 6 x 11mm Cuff |
| DXAUS-KIT-10X11 | AUS Port System Kit 10 x 11mm Cuff |
| DXAUS-KIT-8X14 | AUS Port System Kit 8 x 14mm Cuff |
| DXAUS-KIT-10X14 | AUS Port System Kit 10 x 14mm Cuff |
| DXAUS-KIT-12X14 | AUS Port System Kit 12 x 14mm Cuff |
| DXAUS-KIT-14X14 | AUS Port System Kit 14 x 14mm Cuff |
| DXVO-CATH45 | AUS & HSO Backfill/Flush Catheter |
| DXAUS-KIT-6X14 | Aus Port System Kit 6 x 14mm Cuff |

AUS Port System Kits

All cuff sizes can be supplied as kits. Full list of components available.

DOCXS Hepatic Shunt Occluder (HSO) System



An alternative to cellophane or Ameroid Constrictors, this device uses incremental hydraulic occlusion via a percutaneous port to progressively control closure of the shunt vessel. The speed of vessel occlusion is under the control of the surgeon & is reversible if necessary without further surgery.

The silicone cuff is closed using a suture through 2 eyelets, the actuator tubing fed out to a subcutaneously implanted CompanionPort then gradually closed by injecting saline into the port percutaneously. Cuff width is 7mm. Range of lengths available.

Full kit available includes access port, one HSO, two Huber Point needles, & one Huber Point needle right angle infusion set 22g. Medium access port supplied as standard.

- DXHS-KIT-HS-4** Hepatic Shunt Kit 4mm
- DXHS-KIT-HS-6** Hepatic Shunt Kit 6mm
- DXHS-KIT-HS-8** Hepatic Shunt Kit 8mm
- DXHS-KIT-HS-10** Hepatic Shunt Kit 10mm
- DXHS-KIT-HS-12** Hepatic Shunt Kit 12mm
- DXHS-KIT-HS-14** Hepatic Shunt Kit 14mm
- DXHS-KIT-HS-16** Hepatic Shunt Kit 16mm
- DXVO-CATH45** AUS & HSO Backfill/Flush Catheter

Huber Needles



These special non-coring needles are required to access the silicone septum of the CompanionPort without the damage associated with traditional needles. They are also known as deflected-point needles.

When withdrawn after use, the septum re-seals itself. 3 diameters, in boxes of 12.

- NOR-NV-PG22-75** Huber Needle 22g 3/4" Black Box Of 12
- NOR-NV-PG22-100** Huber Needle 22g 1" Black Box Of 12
- NOR-NV-PG20-75** Huber Needle 20g 3/4" Yellow Box Of 12
- NOR-NV-PG20-100** Huber Needle 20g 1" Yellow Box Of 12
- NOR-NV-PG19-75** Huber Needle 19g 3/4" Brown Box Of 12
- NOR-NV-RA22-75-6** Right Angle Huber 22g 3/4" Black 6" Extension Box Of 12
- DXHUBERRIGHT** Huber Right Angle Infusion Set Single Sterile

- 1x T-Port Connector
- 1x 3-Way Stop-Cock
- 1x 20-Gauge Huber Point Needle
- 2x 3ml Syringe
- 1x 2.5ml Sterile Saline in 3ml Syringe
- 1x 2ml T-FloLoc in 12ml Syringe

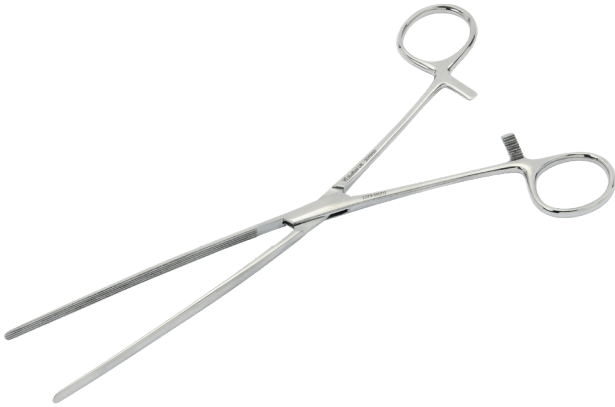
NOR-SFK-20 20g Sub Flush Kit (Case of 5)

- 1x T-Port Connector
- 1x 3-Way Stop-Cock
- 1x 22-Gauge Huber Point Needle
- 2x 3ml Syringe
- 1x 2.5ml Sterile Saline in 3ml Syringe
- 1x 2ml T-FloLoc in 12ml Syringe

NOR-SFK-22 22g Sub Flush Kit (Case of 5)

Miscellaneous Soft Tissue Products

Doyen Bowel Clamp & Silicone Shoes



Autoclavable soft Silicone Shoes created to fit the Doyen Bowel Clamps, making the Doyen more atraumatic. Ribs maximise grip.

- 201950** Bowel Clamps Doyen Str 9.5" 24cm
- 201955** Bowel Clamps Doyen Cof 9.5" 24cm
- EXTR201950** Silicone Shoe For Doyen Bowel Clamps (Pair)
- EXTR201950/3** Silicone Shoe For Doyen Bowel Clamps 3 Pairs
- EXTR201950/10** Silicone Shoe For Doyen Bowel Clamps 10 Pairs
- EXTR201950/20** Silicone Shoe For Doyen Bowel Clamps 20 Pairs

Atraumatic Small Bowel Clamp



Jaw design gently holds & seals the bowel with a minimum of pressure & trauma. The fine ratchet facilitates gentle yet secure application.

- 222165** Bowel Clamps Small Animal Atraumatic Str 170mm Long
- 222170** Bowel Clamps Small Animal Atraumatic Cof 170mm Long

Resano Bowel Clamp



- 201956** Resano Bowel Clamp 250mm Long

Tissue Forceps

Angled Allis Tissue Forceps

A favourite of Rob White this angled Allis has 4 into 5 teeth at the tip & is angled mid shaft.

The kink in the shaft of the Allis allows use in the upper airway & pharynx without obstructing other instrumentation.

Please note, at 200mm the length is longer than the standard Allis.

- 801161** Angled Allis Tissue Forceps 4/5 Teeth 200mm Long

Soft Edge Surgical Spoon



Removing calculi from the bladder or impacted faeces from the rectum requires great care to avoid damage.

Our Soft Edge Spoons have been designed & manufactured with veterinary procedures in mind.

Available in three sizes:

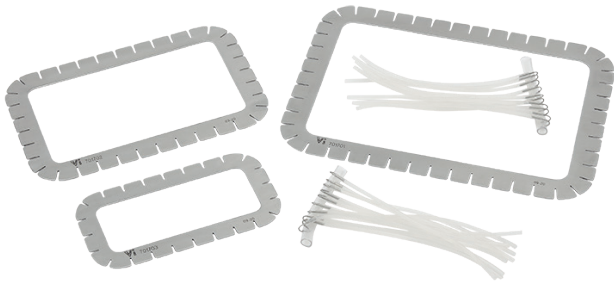
- XSmall 10x14x230mm Suitable for faeces & very small bladders (feline/small canine)
- Small 20x25x250mm Suitable for faeces & small bladders
- Large 67x34x270mm Suitable for the bladder

- 014703** Soft Edged Spoon - XSmall
- 014700** Soft Edged Spoon - Small
- 014701** Soft Edged Spoon - Large
- 014702** Soft Edged Spoon - Set Of 3

Ring Retractor

Some abdominal approaches require a more complex retraction system than a simple Balfour or Gossett. The V.I. Ring Retractor allows the surgeon to place hooked retractor strips around the periphery of a surgical incision which may then be tensioned individually & retained around the edge of the ring.

The Ring is laser cut from stainless steel which is thin enough to mould to the profile of the patient. Slots are cut every 15mm around the periphery of the ring into which lock one or more retractor strips.



The Strips are manufactured from silicon with a stainless hook. The strips are autoclavable but will require periodic replacement.

All the Rings fit into a standard 'Little Sister' type autoclave.

An Extra Large Ring (220 x 250mm) which can be folded has been added to the range. Once folded the ring will again fit into a standard 'Little Sister' Autoclave.

Please Note: V.I. Sterile Hooks are compatible with other retractor systems.

- 701700** Basic Set Including 3 Standard Rings & 10 Sterile Hooks
- 701701** Large Ring 200 x 130mm Internal
- 701702** Medium Ring 160 x 85mm Internal
- 701703** Small Ring 110 x 40mm Internal
- 701HOOK-A** Set Of 10 Sterile Hooks

V.A.C.[®] Therapy



V.A.C.[®] Therapy promotes wound healing through Negative Pressure Wound Therapy (NPWT). By delivering negative pressure (a vacuum) at the wound site through a proprietary dressing, the wound edges are drawn together, infectious materials are removed & granulation tissue is promoted at the cellular level. Use of V.A.C.[®] Therapy has also been shown to help speed the healing of wound grafts.

Used in conjunction with V.A.C.[®] GRANUFOAM[™] dressings negative pressure applies mechanical forces to the wound to create an environment which promotes wound healing. Microstrain acting at the cellular level promotes granulation tissue by facilitating cell migration & proliferation, & promotes perfusion, while macrostrain provides good wound bed contact, helps draw the wound together & removes exudate. It also aids reduction of oedema.

The V.A.C.[®] Therapy System is comprised of essential components that actively work together to help promote wound healing.

V.A.C.[®] Therapy Unit - Provides negative pressure wound therapy with integrated patient safety features.

SENSAT.R.A.C.[™] Technology - Regulates pressure at the wound site to provide accurate delivery of prescribed therapy settings.

V.A.C.[®] Canister - Collects exudate.

V.A.C.[®] GRANUFOAM[™] Dressing - Help provide the necessary mechanisms to promote granulation tissue formation.

The canister for exudate contains absorbent gel, & is supplied with tubing, clamp & connector.



V.A.C.[®] GRANUFOAM[™] dressings are designed to treat a wide variety of wounds, & are available in standard & silver impregnated versions. Both versions of the sterile dressings are open-cell reticulated polyurethane foam with pore size 400-600µm.



This is cut to fit within the wound, & should not overlap onto normal skin. To complete the dressing an adhesive V.A.C.[®] drape is placed over the dressing, adhering to the surrounding skin which has been clipped & dried to improve adhesion.

The SENSAT.R.A.C.[™] pad is attached to the dressing as per the instructions, & the unit is connected to initiate vacuum therapy. Dressings are changed at 48-72 hours depending on condition being treated & progress. Dressing left without vacuum for more than 2 hours must be changed.

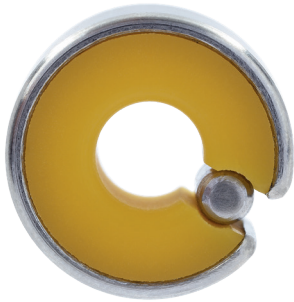
Dressings sizes (unless stated):

- Small = 10x7cm
- Medium = 18x12cm
- Simplace = 10x7cm in a teardrop shaped spiral that you can use in wounds that are a difficult shape to fit the foam to.

For more information on dressing management see the V.A.C.[®] Therapy for Veterinary Use User Manual or the Quick Start Manual, both available on request.

- M8275046/5** V.A.C.[®] Simplace Ex GRANUFOAM[™] Small Dressing x5
- M8275046/1** V.A.C.[®] Simplace Ex GRANUFOAM[™] Small Dressing - Single
- KCIM8275051/5** V.A.C.[®] GRANUFOAM[™] Small Dressing Kit - Pack Of 5
- KCIM8275052/5** V.A.C.[®] GRANUFOAM[™] Medium Dressing Kit - Pack Of 5
- KCIM8275052/1** V.A.C.[®] GRANUFOAM[™] Medium Dressing - Single
- KCIM8275096/5** V.A.C.[®] GRANUFOAM SILVER[™] Medium Dressing Kit x5
- KCIM8275096/1** V.A.C.[®] GRANUFOAM SILVER[™] Medium Dressing Kit Single
- KCIM8275098/5** V.A.C.[®] GRANUFOAM SILVER[™] Small Dressing Kit x5
- KCIM8275081/5** V.A.C.[®] GRANUFOAM[™] Thin Dressing - Pack Of 5
- KCIM8275067/5** V.A.C.[®] WHITEFOAM[™] Large Dressing 10 x 15cm Pack Of 5
- KCIM6275033/10** V.A.C.[®] WHITEFOAM[™] Small Dressing - Pack Of 10
- KCIM8275058/5** ACTIV.A.C.[™] 300ml Canister With Gel - Pack Of 5
- KCIM8275058/1** ACTIV.A.C.[™] 300ml Canister With Gel - Single
- KCIM6275026/10** V.A.C.[®] Gel Strips - Pack Of 10
- KCIM6275009/10** V.A.C.[®] Drape - Pack Of 10
- KCIM6275009/1** V.A.C.[®] Drape - Single
- KCIM6275066/10** V.A.C.[®] Y-Connector
- KCIM8275057/10** SENSAT.R.A.C.[™] Pad - Pack Of 10
- KCIM8275057/1** SENSAT.R.A.C.[™] Pad - Single
- KCI340037/5** Exhaust Charcoal Filter For Simplicity Unit - Pack Of 5
- KCI340037** Exhaust Charcoal Filter For Simplicity Unit - Single
- KCIPN320255A** V.A.C.[®] SIMPLICITY[™] Therapy Unit
- LOANVAC** V.A.C.[®] Loan Unit (Per Week)

Ameroid Constrictors



Used exclusively in the surgical treatment of hepatic shunts, the ameroid constrictor gradually occludes the blood vessel in question allowing the circulation to make adjustments.

The Casein (clay-like) layer expands as it absorbs water constricting the blood vessel within. Supplied sterile. Insertion of metal locking key prevents constrictor from slipping from blood vessel.

Colour variation of the Casein material is normal & does not indicate a defect.

Selection of Ameroid Constrictor.

Once the portosystemic shunt has been identified & exposed it is suggested that a constrictor should be selected which initially encloses the vessel but does not constrict it.

AC35-A	Ameroid Constrictor 3.5mm Sterile
AC45-A	Ameroid Constrictor 4.5mm Sterile
AC50-A	Ameroid Constrictor 5.0mm Sterile
AC60-A	Ameroid Constrictor 6.0mm Sterile
AC70-A	Ameroid Constrictor 7.0mm Sterile

Penrose Drains



Latex rubber. Use to maintain drainage from infected wounds. Also useful to retract soft tissues such as blood vessels & nerves.

090168	Penrose Drain 1/4" 40cm 16" Long Sterile
090165	Penrose Drain 1/2" 40cm 16" Long Sterile

Kitty Kollars

Kitty Kollar Tube Collar

The placement of oesophagostomy 'E' feeding tubes is a growing modality in small animal medicine. Many 'E' Tubes have been successfully in place for years on some patients. The challenge of the 'E' Tube is its care & maintenance.

The Kitty Kollar was designed as a sensible solution to the everyday patient management of the 'E' Tube. The adjustable collar fits securely around the animal's neck. It has a small hole for the 'E' Tube to pass through. A velcro strap secures or holds the 'E' Tube flat when not in use. Circular cotton pads with a center hole are provided to be placed between the collar & the skin. They protect the wound & absorb drainage eliminating the need for owners to learn bandage techniques or repeated clinic visits for rebandaging. These small animal feeding tubes are useful in longer term nutritional support. Includes 6 protector pads & laminated instruction card.

Code	Circumference of Neck in Inches	Length of Collar + Tab in Inches	Size
KTK-XS	4 - 7"	5.5" + 2"	x-small
KTK-PF	8 - 9"	9" + 2"	petite
KTK-F	10 - 12"	11" + 2"	small
KTK-M	12 - 16"	13" + 3"	medium
KTK-L	17 - 19"	18.5" + 3"	large
KTK-XL	20 - 24"	21" + 3.5"	x-large

KTK-XS	Kitty Kollar Tube Collar - X-Small
KTK-PF	Kitty Kollar Tube Collar - Petite
KTK-F	Kitty Kollar Tube Collar - Small
KTK-M	Kitty Kollar Tube Collar - Medium
KTK-L	Kitty Kollar Tube Collar - Large
KTK-XL	Kitty Kollar Tube Collar - X-Large
KTK-PADS	Spare Replacement Pads - Pack Of 24

Polyester Mesh

Use polyester mesh to repair soft tissue defects where alternative autografts are not available. For example perineal hernia (illustrated), umbilical hernia.

Mesh loop diameter: 1mm. Sheet size 60mm x 80mm or 60mm x 120mm Supplied single pack sterile.

PM60120	Polyester Mesh 60mm x 120mm Single
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Airway Surgery Soft Palate Clamp



An overlong palate is a common cause of dyspnoea in the brachiocephalic dog. Shortening the soft palate in an atraumatic manner provides almost immediate relief.

The Soft Palate Clamp was designed by Geoff Lane FRCVS.

The jaws have a special atraumatic grip to hold the very slippery soft palate.

014040 Soft Palate Clamps Large 26 x 12mm 170mm Long

014050 Soft Palate Clamps Small 18 x 7mm 170mm Long

Satinsky Clamp



Useful for intra-thoracic surgery, trimming soft palates & even ears. Atraumatic design maximises haemostasis & minimises trauma.

2685/03 Satinsky Clamps 20mm Jaw 160mm Long

2685/05 Satinsky Clamps 30mm Jaw 200mm Long

Tonsillectomy Clamp



The standard Negus clamp may be used in pairs for soft palate resection. A right angled version designed by Stephen Baines at the Willows is also available.

014038 Tonsillectomy Clamp Right Angle 190mm Long

014039 Tonsillectomy Clamp Curved 190mm Long

Soft Tissue Biopsy Forceps



Designed to take samples of soft tissue masses from the ear or via the mouth, these forceps come in three sizes & will work in combination with standard aural speculae.

Fits down all usual aural speculae.

014087 Cup Biopsy Forceps 2mm Diameter Shaft 75 x 3.6mm

014087A Cup Biopsy Forceps 2mm Diameter Shaft 100 x 3.6mm

014088 Cup Biopsy Forceps 3.5 x 8mm Shaft 105 x 5.6mm

Aural Surgery

Canine Ear Loop



Removal of hard wax & other debris from the canine horizontal canal without causing trauma is a common problem in veterinary surgery.

It is now accepted that the use of Ear Loops is more effective than cotton tipped products. Most human ear loops are too large & too short for use with the much longer veterinary speculae.

Veterinary Instrumentation's Canine Ear Loop is slimmer & longer to facilitate debris removal without obscuring the visual field. The Flexible Ear Loop is very fine & flexible for added safety.

- 012526 Vi Canine Ear Loop 170mm Long
- 012528 Flexible Ear Loop Cat/Small Dog Size 160mm Long
- 012529 Flexible Ear Loop Medium/Large Dog Size 160mm Long

Fine Flexible Grasping Forceps



The Fine Flexible Grasping Forceps have a maximum diameter of 1.7mm & are therefore ideal for small working channels & speculae.

- 014067 Fine Flexible Grasping Forceps 160mm Shaft

Crocodile Forceps



Examination of the external ear is an essential part of any investigation of otitis.

Removal of foreign bodies, particularly grass seeds, is achieved using long crocodile forceps. Available in traditional designs or as a fine tubular shaft design.

- 014091 Extra Fine Crocodile Forceps Tubular 3" Shaft
- 014092 Extra Fine Crocodile Forceps Tubular 5" Shaft
- 014093 Extra Fine Crocodile Forceps Tubular 7" Shaft
- 014089 Extra Fine Crocodile Forceps Tubular 9" Shaft
- 014094 Aural Crocodile Forceps Standard Jaw 3" Shaft
- 014095 Aural Crocodile Forceps Standard Jaw 5" Shaft
- 014096 Aural Crocodile Forceps Standard Jaw 7" Shaft

TECA Retractor - Pieter Nelissen



Achieving adequate exposure is essential to the proper performance of lateral bulla osteotomy & debridement. Maintaining a dissection as close to the aural cartilages as possible helps avoid iatrogenic damage to the surrounding structures.

In most cases, especially in broad headed breeds such as Shar Peis & Staffordshire Bull Terriers, this will mean working down a narrow & surprisingly deep corridor.

Following the suggestion from Pieter Nelissen of Dick White Referrals, we have developed a purpose made TECA Retractor based on our small gelpis.

The 40mm long legs are at 80° to the handles to reach deep into the hole created. The cross-over tips are only 3mm across when closed enabling insertion with no edges protruding to snag tissues.

- 001338 TECA Retractor 105mm Long 40mm Cross-Over Legs

Implants For Hart Pinna Haematoma System

- 014601U/S Fenestrated Implants Pack Of 12 Supplied Unsterile

Biopsy Needles

Soft Tissue Tru-Cut Style



Used to sample liver, kidney & other soft tissues with minimal trauma. Takes just a small sliver of tissue. Supplied sterile - single use only. Needle is "locked" & when released spring loaded cutting needle takes the biopsy. 14g has two stop system & can take either 10mm or 20mm samples.

- STB18** Vi Trucut Type Supercore Biopsy Needle 14g x 90mm
- STB18B** Vi Trucut Type Supercore Biopsy Needle 18g x 90mm
- 012521** Trucut Soft Tissue Biopsy Needle Fully Manual 14g x 115mm

Temno Evolution Biopsy Needle



The Standard Soft Tissue Biopsy Needle used by the NHS. 2 different sample sizes can be selected when pulling the plunger. One click equals a 10mm notch exposure, two clicks 20mm. Expensive but best in class.

- TEMI420/1** Temno Evolution Biopsy Needle 14g x 200mm Single
- TEMI420/5** Temno Evolution Biopsy Needle 14g x 200mm 5 Pack

Disposable Skin Biopsy Punch



Disposable Skin Biopsy Punch with razor sharp Stainless Steel Blade. Light weight, ribbed plastic handle for control & comfort. 4mm, 6mm & 8mm diameters available. Supplied sterile.

- SBP4** Skin Biopsy Punch 4mm Diameter Head
- SBP6** Skin Biopsy Punch 6mm Diameter Head
- SBP8** Skin Biopsy Punch 8mm Diameter Head
- SBPSET** Skin Biopsy Punch Set Of 3 (4mm, 6mm, 8mm)

Interosseus Infusion Needle 18g



Where vascular access is difficult, fluids & most drugs can be administered via this Interosseus Infusion Needle. This process is particularly useful in neonates & birds where blood vessels are very small.

The most common site is the proximal femur via the trochanteric fossa. An IV catheter should be placed as soon as practical. Also used as a Small Bone Marrow Aspiration Needle in the Jamshidi Style.

- BMBJV18** Interosseus Infusion Needle 18g

Flushing Needles

Flushing Needles have a bead or olive soldered onto the tip to minimise trauma to friable soft tissues.

Ear Flushing Needles - Spreulls



Often referred to as Spreulls Needles these Blunt Beaded Needles are available in 60mm & 100mm lengths with a luer hub.

- 012510** Ear Flushing Spreulls Needle Short 60mm
012511 Ear Flushing Spreulls Needle Long 100mm

Flushing Needle 21 Gauge



Suitable for anal gland ducts of small dogs. Ideal for flushing the urethra in the male cat prior to placement of catheter. Start with the 30mm needle & move to the 50mm & 75mm versions as urethra clears.

- 012512** Flushing Needle 21g Bead Tip 30mm
012512L Flushing Needle 21g Bead Tip 50mm
012512XL Flushing Needle 21g Bead Tip 75mm

Oral Dosing Needles



Suitable for oral dosing & feeding of birds & reptiles. Available in a range of gauges from 12G to 23G. Care should be taken to ensure the needles cannot be swallowed.

- 012513** 12g Oral Dosing Needle 200mm Curved
012514 14g Oral Dosing Needle 125mm Curved
012515 16g Oral Dosing Needle 75mm Straight
012515C 16g Oral Dosing Needle 75mm Curved
012515STR 16g Oral Dosing Needle 100mm Straight
012516 18g Oral Dosing Needle 50mm Straight
012516C 18g Oral Dosing Needle 50mm Curved
012517 20g Oral Dosing Needle 38mm Straight
012517C 20g Oral Dosing Needle 38mm Curved
012517CS 20g Oral Dosing Needle 25mm Curved
012517S 20g Oral Dosing Needle 25mm Straight
012527 22g Oral Dosing Needle 38mm Straight
012527C 22g Oral Dosing Needle 38mm Curved
012522 23g Oral Dosing Needle 25mm Straight
012532 Raptor Crop Tube 7mm Diameter 18cm Long



With eyes being one of the most sensitive & fragile organs, ophthalmic surgery requires extreme care & precision, preventing any damage to the eye before, during or after a surgical procedure.

The need to utilise typically finer & more delicate instrumentation for this type of surgery is crucial.

Within this chapter you will find a comprehensive range of instrumentation suitable for a wide range of eye based procedures.

To make the adoption process simpler, we have created a dedicated ophthalmic surgery kit, which combines the most useful instrumentation from this range in one kit, offering you the appropriate range of instrumentation required to start your clinical service in the ophthalmology speciality.



To view the Ophthalmic Surgery section of our website, scan the QR code below:



Ophthalmic Kit



The Kit contains 10 instruments. All are contained in a stainless steel case with a protective silicone lining which minimises damage to the delicate instruments. As recommended by David Williams MA VetMB PhD CertVOphthal

Suitable for the following procedures:-

- Hotz-Celsus Entropion Surgery
- Stades Procedure for Entropion with Trichiasis
- Lid Wedge Resection
- Khunt-Szymanowski Entropion Surgery
- Wyman Lateral Canthoplasty For Diamond Eye
- Lateral Canthoplasty
- Parotid Duct Transposition
- Conjunctival Flaps, Pedicle, Fornix Based
- Nictitating Membrane Flap
- Replacement Of Prolapsed Nictitans Gland
- Correction Of Scrolled Nictitans Cartilage
- Superficial Lamellar Keratectomy
- Primary Reconstruction Of Corneal Penetrating Wound
- Corneoscleral Transposition Flap

Choosing ophthalmic instruments is very difficult, every surgeon seems to have their own preference. Follow the advice of a surgeon you respect.

Basic ophthalmic surgery kit contents:

- 1x Beaver Type Scalpel Handle
- 1x Castroviejo Needle Holders - Straight with Catch
- 1x Steven's Tenotomy Scissors
- 1x Colibri Tissue Forceps
- 1x Graefe Fixation Forceps
- 1x Roberts Tying Forceps
- 1x Castroviejo Corneal Scissors - Straight
- 1x Halstead Mosquito Forceps - Curved
- 1x Halstead Mosquito Forceps - Straight
- 1x Barraquer Speculum
- 1x Stainless Steel Box 200mm x 100mm with Integrated Bacterial Filter
- 1x Silicone Fingered Insert



Beaver Type Handle



Castroviejo Needle Holders Straight with Catch



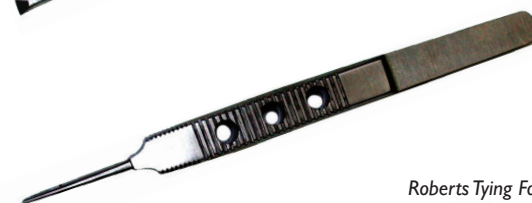
Steven's Tenotomy Scissors



Colibri Tissue Forceps



Graefe Fixation Forceps 3.5mm



Roberts Tying Forceps



Castroviejo Corneal Scissors Straight



Halstead Mosquito Forceps



Barraquer Wire Eyelid Speculum

Eyelid - Speculae

Desmarres Eyelid Retractor



- 014215-S Small 12mm Wide 140mm
- 014215-M Medium 14mm Wide 140mm
- 014215-L Large 16mm Wide 140mm

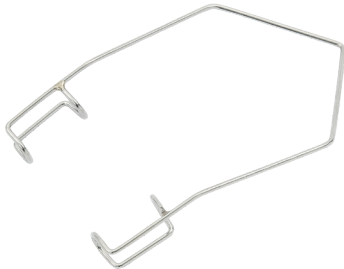
Lister Speculum



This speculum is adjustable & has a locking mechanism. The shape is contoured for minimum interference with sutures & instruments.

- 014115 Lister Speculum 40mm Gape 80mm Length

Barraquer Speculum



This simple spring loaded speculum is ideal for most procedures which do not require a locking speculum. No protuberances to catch sutures.

- 014110 Barraquer Speculum Large 30mm Gape 10mm 'Blade'
- 014112 Barraquer Speculum Small 25mm Gape 5mm 'Blade'

Jaeger Eyelid Speculum



Useful during wedge resections of eyelids. The speculum stretches & retains the eyelid prior to dissection with the blade cutting down onto the metal of the speculum which protects the eye.

- 014120 Jaeger Eyelid Speculum (Stainless) 100mm
- 014121 Jaeger Eyelid Speculum Insulated 110mm

Castroviejo's Corneal Forceps



- 014190 Castroviejo's Corneal Forceps 105mm Long

Colibri (Barraquers) Forceps



- 014191 Colibri (Barraquers) Forceps 75mm Long

Iris Forceps

Graefe Iris Forceps



- 014195 Graefe Iris Forceps Serrated 105mm Long
- 014196 Graefe Iris Forceps Straight 1/2 Teeth 105mm Long

Fixation Forceps

Barraquers Fixation Forceps



- 014201 Barraquers Fixation Forceps 105mm Long

Graefe Fixation Forceps



014162 Graefe Fixation Forceps 3.5mm Jaws 105mm Long

Epilation Forceps



342450 Epilation Forceps Square Jaws Plain 9cm 88.9mm

Capsule Forceps

Arruga Capsule Forceps



014150 Arruga Capsule Forceps 100mm Long

Scissors

Pooley's Conjunctival Scissors



746350 Pooley's Conjunctival Scissors 85mm Long

Castroviejo's Cross Action Forceps



014155 Castroviejo's Cross Action Capsule Forceps 105mm Long

Castroviejo Corneal Scissors



Squeeze action, very delicate scissor used to extend the stab corneal incision.

014210 Castroviejo Corneal Scissors Cof 115mm Long

014210S Castroviejo Corneal Scissors Str 115mm Long

Cilia Forceps

Bennet's Cilia Forceps



Favoured by some surgeons the circular tips give good focal grip of individual cilia.

342460 Bennets Cilia Forceps 80mm Long

Strabismus Scissors



Stronger than corneal & conjunctival scissors, strabismus scissors are suitable for cutting muscles & skin.

- 746900 Strabismus Scissors Str 90mm
- 747010 Strabismus Scissors Cof 90mm
- 746910 Strabismus Scissors Str 110mm
- 747020 Strabismus Scissors Cof 110mm

Iris Scissors



A useful general purpose Ophthalmic Scissor. Lightweight, standard action scissor for conjunctiva &, less satisfactorily, the cornea. Very rarely used on the iris in veterinary ophthalmology.

- 744100 Iris Scissors Str 90mm
- 744120 Iris Scissors Cof 92mm
- 744110 Iris Scissors Str 115mm
- 744130 Iris Scissors Cof 115mm
- 744131 Iris Scissors Tungsten Carbide Str 115mm

Steven's Tenotomy Scissors



- 014108 Steven's Tenotomy Scissors Straight 110mm Long
- 014108CV Steven's Tenotomy Scissors Curved 110mm Long

Eye Enucleation Scissors



Standard curved surgical scissors do not match the radius of the eye of dogs & cats.

The eye enucleation scissor closely matches required radius & slides easily behind the eyeball to cut the optic nerve & internal ophthalmic artery & vein, without the requirement to apply dangerous traction to the globe. Use in conjunction with eye enucleation forceps.

- 014225 Eye Enucleation Scissors 140mm

**Miscellaneous
Eye Enucleation Forceps**



It is very important to clamp & crush the optic nerve & internal ophthalmic artery & vein.

The curvature on standard artery forceps is not correct & if used the handles stand up in the way. The Enucleation Forceps are designed to slide around the rear of the globe & capture the blood vessels. The jaws are then levered against the edge of the orbit to elevate the globe for ease of tying. The handles curve out of the way.

Use with eye enucleation scissors. The large size is for cattle.

- 014219 Eye Enucleation Forceps 135mm
- 014219L Eye Enucleation Forceps Large 155mm

Chalazion Forceps (Desmarres)



- 014216 Chalazion Forceps (Desmarres) 3.5"

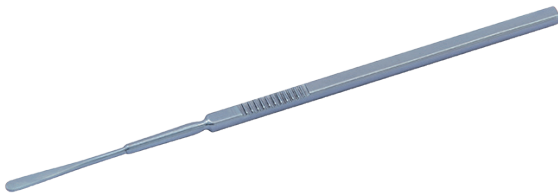
Snellen's Vectis

Use to apply pressure to globe to extrude lens rather than 'fishing' for it within the eye.

014101 Snellen's Vectis 135mm

Harrison Butler Lachrymal Cannula

014221 Harrison Butler Lachrymal Cannula Curved 40mm

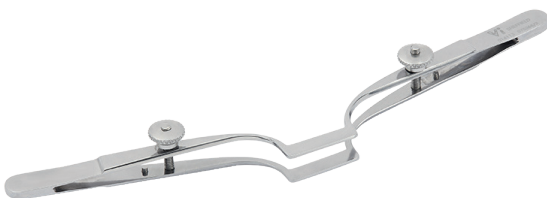
Kimura Spatula

Use to apply pressure to globe to extrude lens rather than 'fishing' for it within the eye.

014103 Kimura Platinum Spatula 145mm

Lachrymal Cannula Straight

014224 Lachrymal Cannula Straight Stainless Steel

Distichiasis Clamp

014113 Distichiasis Clamp 170mm

Rabbit Nasolachrymal Duct Cannulae

012523 Nasolachrymal Duct Cannula 19 Gauge
012524 Nasolachrymal Duct Cannula 21 Gauge
012525 Nasolachrymal Duct Cannula Set 21 & 19G

Punctum Dilator

014116 Nettleship Dilator (Single Ended) 100mm
014117 Castrovejo Double Ended Punctum Dilator 130mm



Within this chapter you will find a carefully selected range of dedicated dental instrumentation & dental burs.



To view the Dental Instrumentation section of our website, scan the QR code below:



Rabbit Dental Kits



ROD2 - Full Hand Kit shown.

If you are setting up or have no rabbit/rodent equipment you may wish to purchase a Set, which offers considerable savings & is supplied in a stainless steel autoclaveable case.

Basic Kit (ROD1) contains:

- Rodent Gag
- Long Reach Cheek Dilator
- Incisor Luxator
- Molar Cutter
- Fine Rasp

Full Hand Kit (ROD2) contains:

- Rodent Gag
- Small Cheek Dilator
- Large Cheek Dilator
- Long Reach Dilator
- Incisor Luxator
- Molar Luxator
- Molar Extraction Forceps
- Diamond Rasp
- Rodent Spatula
- Molar Cutter

Hand & Motor Kit (ROD3) contains:

- Full Hand Kit PLUS:
- Rabbit Bur Kit
- Soft Tissue Protector
- Diamond Disc
- Diamond Disc Protector

This Kit also requires a Straight Nose Cone, plus a Micromotor, Air or Electric Drive.

ROD1	Basic Kit
ROD2	Full Hand Kit
ROD3	Hand & Motor Kit

Rabbit Bur Kit



Three burs have been selected by David Crossley as being suitable for the reduction of rabbit & chinchilla molar teeth. Our Rabbit Bur Kit includes two of each bur in a Stainless Steel Autoclavable Block. All are HP fitting to fit into the 1:1 Straight Nose Cone (not included). When using the Long Bur (HL563) use the Soft Tissue Protector to shield tongue & cheek. The diamond version of the very long cross cut bur cuts with less trauma & less heat than the carbide equivalent.

001792	Rabbit Bur Kit In Block (6 Burs)
001793	Soft Tissue Protector For Above Fits Straight Nose Cone

Dental Elevators

Elevator or Luxator?

Luxator. A thin, sharp blade designed to be pushed into the periodontal ligament space down the long axis of the root. It cuts the periodontal ligament fibres & expands the alveolar plate as it is pushed apically.

Should not be twisted or lifted (torqued) during use. Must be kept sharp & sterilised after every use.

Elevator. A stocky strong blade used to extract loose teeth using adjacent sound teeth. Not usually meant to go below the gumline.

More useful in humans where crown/root ratio is closer to 50:50 & roots are stronger. In animals root ratio is closer to 30:70 & roots taper toward the apex. They will fracture if the periodontal ligament fibres are not loosened or cut before forceps are applied or if the instrument is torqued.

Winged Elevators



Veterinary Elevators designed by Dr Robert Wiggs. They have short winged blades with lateral edges which curve upwards further than traditional elevators, improving conformation to the root structure as well as instrument control. The narrow neck enhances visibility of the root & the shorter shaft improves handling & control, especially if the operator's hands are not large.

The design incorporates the best parts of an elevator & a luxator. Aluminium knurled handles are very comfortable in use. Flattened surface prevents rolling off the table.

Available as a boxed set.

- 012389 Winged Elevator 1mm (Purple) 145mm
- 012390 Winged Elevator 2mm (Gold) 145mm
- 012391 Winged Elevator 3mm (Blue) 145mm
- 012392 Winged Elevator 4mm (Black) 145mm
- 012393 Winged Elevators Set Of 4 (Includes Free Stainless Steel Case)
- 012395 Autoclavable Stainless Steel Case For Winged Elevators

Winged Elevators With Short Handles



Our short handled Winged Elevators are predominantly designed to support users with smaller hands. The stainless steel case is silicone lined to minimise damage to the elevators, whilst being a convenient storage device during the sterilisation & transportation of the Elevators.

- 012401 Rainbow 1mm 125mm
- 012402 Gold 2mm 125mm
- 012403 Slate 3mm 125mm
- 012404 Black 4mm 125mm
- 012405 Set Of 4 In Stainless Steel Case

Comfort Handle Elevators

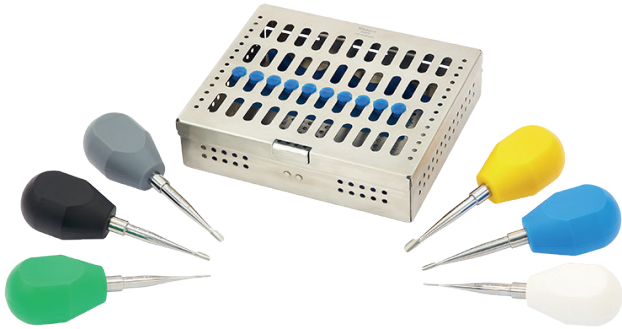


Designed & developed by David Strong MRCVS. The comfort pattern elevators takes a radical new look at elevator handles. A range of new designs was tested by both nurses & veterinary surgeons to find the most comfortable design. The most popular pattern fits into the palm of the hand allowing the fore finger to be positioned along the shaft for added control.

Supplied in fully autoclavable coloured coded PTFE in 1mm, 2mm, 3mm, 4mm, 5mm & 6mm widths. Available singly or as a Set of 4 (1-4mm) or Set of 6 (1-6mm). When purchased as a Set the stainless steel autoclave case comes free.

- 012601 Comfort Elevator 1mm (White)
- 012602 Comfort Elevator 2mm (Green)
- 012603 Comfort Elevator 3mm (Blue)
- 012604 Comfort Elevator 4mm (Black)
- 012600 Comfort Elevators Set Of 4 (Includes Free Stainless Steel Case)
- 012605 Comfort Elevator 5mm (Grey)
- 012606 Comfort Elevator 6mm (Yellow)
- 012608 Comfort Elevator Set of 6 (Includes Free Stainless Steel Case)

Comfort Handle Winged Elevators



- 012611 Comfort Winged Elevator 1mm (White)
- 012612 Comfort Winged Elevator 2mm (Green)
- 012613 Comfort Winged Elevator 3mm (Blue)
- 012614 Comfort Winged Elevator 4mm (Black)
- 012610 Comfort Winged Elevators Set Of 4 (Includes Free Stainless Steel Case)
- 012615 Comfort Winged Elevator 5mm (Grey)
- 012616 Comfort Winged Elevator 6mm (Yellow)
- 012618 Comfort Elevator Set Of 6 (Includes Free Stainless Steel Case)

Wedge Elevator



- 012010 Wedge Elevator 170mm

Small Feline Elevator



- 012018 Small Feline Elevator 165mm

Double Ended Elevator



- 012036 Double Ended Elevator 2mm 185mm
- 012038 Double Ended Elevator 4mm 190mm

Periodontal Instruments

Explorer/Measuring Probe



A detailed examination of the patient's mouth is the starting point of any dental care programme.

The Shepherd's Crook Explorer is used to test tooth stability & the condition of the gum margins. Tartar & gum disease cause detachment of the gingiva exposing the tooth root.

The depth of these sulci are measured using the measuring probe. Details are recorded for subsequent treatment & comparisons.

012100 Shepherd's Crook Explorer/ Measuring Probe 170mm

Subgingival Curette



This scaler is used to remove subgingival tartar & to plane tooth roots. Unless the root is clean the gum will not re-attach. The back surface of the scaler is blunt to minimise damage to the sensitive gingiva. The instrument is double-ended & has a balanced grip for extra comfort in use.

012130 Subgingival Curette 170mm

Jaquette Supragingival Scaler



This scaler is used to remove tartar from above the gum margin. The tip & back of the instrument is sharp to scrape between teeth. Do not use below the gum margin. Double-ended with a balanced grip handle for ease of use & comfort.

012120 Jaquette Supragingival Scaler 170mm

Hoe Scaler

Useful for removal of large areas of tartar & plaque from flat tooth surfaces. Double-ended Scaler.



012110 Hoe Scaler 165mm

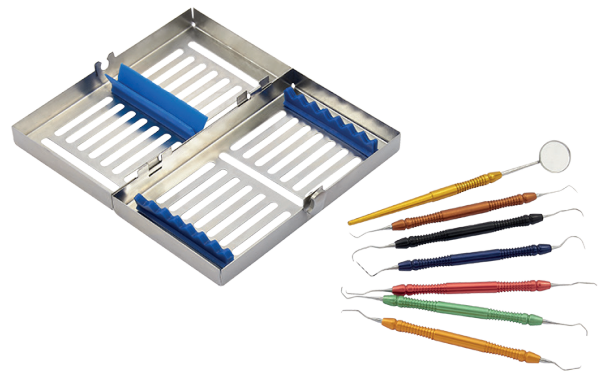
Double-Ended Scraper



The tips of this instrument are of familiar design mounted in a comfortable handle. One end is a fine hook to remove tartar from between teeth, the other is a shallow scoop to break tartar from flatter surfaces. A simple general purpose Instrument for tartar removal.

012020 Double-Ended Scraper 175mm

Periodontal Hand Instrument Set Boxed

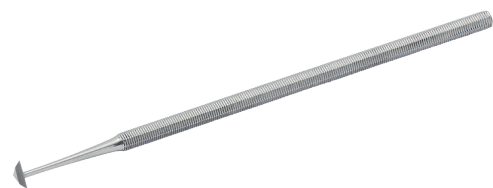


Seven periodontal instruments in a stainless autoclave case.

Instruments include: mirror, shepherd hook explorer/measuring probe, straight curette scaler, angled curette scaler, angled jaquette scaler plus two fine probes. Comfortable silicone handles.

012210 Periodontal Instrument Set In Autoclave Case

Tartar Scrapers - Various



Traditional scrapers offering tip design as illustrated.

012022 Single Ended Scaper 12 150mm

012024 Single Ended Scaper 16 160mm

Molt Periosteal Elevator (4mm/6mm)



Molt is a double ended periosteal elevator. The two tips are round & dished. 4mm & 6mm diameters.

001275 Molt Periosteal Elevator 200mm

Periosteal Elevator



Used for raising full thickness mucogingival flaps before surgical extraction of teeth, bone removal & sectioning.

001270 Periosteal Elevator (195mm - 4mm/7mm End)
7350/05 Freer Periosteal Elevator 5mm (180mm)
001271 Curved 6mm AO Type (180mm)
001272 Very Fine 2mm/3mm Periosteal Elevator (180mm)

Dental Forceps

Tartar Forceps



Our Spring Loaded Tartar Forceps are designed to sit comfortably in the hand to enable the veterinary dentist to remove quickly bulky deposits from teeth.

012050 Tartar Forceps Spring Loaded 180mm
012051 Tartar Forceps Cat Size Extraction Forceps/Small 150mm
01205SET1 Tartar Forceps Set Of 2

Tartar Forceps

These tartar forceps are designed specifically for the removal of bulky tartar prior to scaling & polishing.

One jaw is cup shaped to locate onto the tooth tip & act as a fulcrum for the other jaw. The other jaw is a sharp hook to engage the tartar at the gum margin.

The jaws are designed to remove tartar from both flat surfaces & between teeth.

012052 Tartar Forceps Cupix Point Style 180mm
012053 Tartar Forceps Cat Size 150mm
01205SET2 Tartar Forceps Set Of 2

Hawksbill Forceps



The multi-rooted teeth of the dog & cat should be loose before extraction by forceps.

The loosening may be due to dental disease or careful elevation. As well as firmly gripping the tooth to be extracted appropriate dental forceps should support the tooth structure.

None of the several hundred human forceps available suit the teeth of our patients. The hawksbill forceps are designed specifically for the extraction of multi-rooted teeth in the dog & cat.

012030 Large Hawksbill Forceps 170mm
012040 Small Hawksbill Forceps 140mm
01204SET Hawksbill Forceps Set Of 2 (As Above)

Small Incisor Forceps



The tips of these forceps are ideal for the removal of single rooted, usually incisor teeth. Cross-hatched thumb area for extra control. Tips meet.

012070 Small Incisor Forceps 150mm

Narrow Tipped Extraction Tooth Forceps



A narrow tipped extraction forcep which meets at the tip to facilitate holding the tooth. Forceps are only used once the tooth has been loosened correctly, trying to force extract without this will usually result in root breakage. Very useful for cats.

012072 Narrow Tipped Extraction Tooth Forceps

Root Fragment Set



Removal of fragmented roots can be a challenge particularly if the roots themselves are healthy. A combination of elevation & forcep work is usually required. The Set of 3 Forceps with differing jaw angles covers all situations. The handles are anatomical & ergonomic.

012075 Root Fragment Forceps Set Of 3

Vi Extraction Forceps



Available either individually or as a set of 3. Vi extraction forceps are well suited to extraction of medium to large teeth. The jaws have fine serrations for increased grip.

As with all extractions it is important that the tooth involved is suitably elevated prior to the use of forceps. The teeth of our patients are much more tightly bound to the jaw than are human teeth.

- 012091 Vi Extraction Forceps Straight
- 012092 Vi Extraction Forceps Curved
- 012093 Vi Extraction Forceps Angled
- 012090 Vi Extraction Forceps Set Of 3

Miscellaneous

Lip Retractor



The lip retractor solves the problem of retracting the lip for clear access to the teeth. It has a new modified shape to prevent pinching the lip & the tips of the instrument are plastic coated to minimise trauma. It can be adjusted by lightly bending. Autoclavable.

010147 Lip Retractor 160mm

Dental Mirrors

- 012028 Mirror Handle Cone Socket Single Ended
- 012029 Dental Mirror No.3 With Cone Socket
- 012031 Dental Mirror Complete

Mouth Gags & Wedges

Grays Mouth Gag



Simple action allows spring to gently open the jaws but does not allow the patient to close its mouth.

- 012158 Hamilton Kirk Cat Gag Maximum Gape 40mm
- 012160 Grays Mouth Gag Small Maximum Gape 65mm
- 012170 Grays Mouth Gag Medium Maximum Gape 100mm
- 012180 Grays Mouth Gag Large Maximum Gape 140mm
- 012159 Grays Mouth Gag Set Of 3

Smith Baxter Mouth Gag



Spring action maximises access but is less likely to overstretch the TMJ.

- 012795 Smith Baxter Mouth Gags Spring Bar Type Set Of 5
- 012795ES Smith Baxter Mouth Gag Extra Small Max Gape 5.5cm
- 012795S Smith Baxter Mouth Gag Small Max Gape 6.5cm
- 012795M Smith Baxter Mouth Gag Medium Max Gape 10cm
- 012795L Smith Baxter Mouth Gag Large Max Gape 14cm
- 012795EL Smith Baxter Mouth Gag Extra Large Max Gape 15.5cm

Mouth Wedge



The Mouth Wedge provides a simple effective means of holding the mouth open for routine dental procedures.

- 012790 Mouth Wedge Small
- 012791 Mouth Wedge Large
- 012795SET Mouth Wedge Set Of 2

Dental Luxators

Forte Luxators



- 012174 Forte Luxator 2.5mm Black/Green 160mm
- 012175 Forte Luxator 3.2mm Black/Grey 160mm
- 012176 Forte Luxator 4mm Black/Brown 160mm
- 012172 Forte Luxator Set Of 3

Luxators



- 012177 Luxator 1mm Straight 160mm
- 012190 Luxator 2mm Straight 160mm
- 012191 Luxator 3mm Straight 160mm
- 012192 Luxator 3mm Curved 160mm
- 012194 Luxator 5mm Straight 160mm
- 012195 Luxator 5mm Curved 160mm
- 012192/CA Luxator 3mm Contra Angle 160mm
- 012196VET Veterinary Luxator Set (Set Of Five c/w Stone)

Dental Burs

Head Shape	Diameter (A approx)	Carbide 5 Pack	Diamond 5 Pack	Carbide Singles	Carbide 5 Pack	Diamond Singles
Small Round	0.5	5FG 1/4	5FG 1/4D			
Medium Round	1.4	5FG4	5FG4D	HP4		HP4D
Large Round	1.8	5FG6	5FG6D	HP6		HP6D
Extra Large Round	2.1	5FG8		HP8	5HP8	
Extra Small Taper Fissure	0.8	5FG698				
Small Taper Fissure	1.2	5FG701				
Medium Taper Fissure	1.6	5FG702	5FG702D			
Medium Taper Long Head	1.6	5FG702L	5FG702LD			
Extra Small Flat Fissure	0.9	5FG556				
Small Flat Fissure	1	5FG557		HP557L		
Medium Flat Fissure	1.6	5FG5660		HP560		
Large Flat Fissure	2.3			HP563		HP563D
Medium Inverted Cone	1		5FG35D			
Medium Pear	1	5FG331				
Large Pear	1.2			HP332		
Medium Domed Fissure	1	5FG1557				
Large Domed Fissure	1.2	5FG1558	5FG1558D			

Table Top Rabbit Gag



This version of our well known gag has a white PTFE platform which makes the gag warmer for the anaesthetised small patient. It is easy to clean & may be autoclaved.

012207 Table Top Rabbit Gag

012209 Table Top Rabbit Gag & LED Light

DENRODKIT Table Top Rabbit Gag LED Light & Full Hand Kit (Rod2)

LED Light For Table Top Gag

Illumination of the inside of the rabbit mouth is difficult without the hands of the surgeon getting in the way.

The rabbit gag LED light simply clips into the retaining mount which screws onto the threaded height adjustment control. The flexible neck of the light can be adjusted for best effect. The powerful white LED lasts for approximately 100 hours on a set of AAA batteries.

Also useful as a focal examination light elsewhere in the clinic.

Fits all table top gags.

012208 LED Light With Flexible Neck (Inc Clip)

Rabbit Dental Kits



If you are setting up or have no rabbit/rodent equipment you may wish to purchase a Set, which offers considerable savings & is supplied in a stainless steel autoclaveable case.

Basic Kit (RODI) contains:

- Rodent Gag
- Long Reach Cheek Dilator
- Incisor Luxator
- Molar Cutter
- Fine Rasp

Full Hand Kit (ROD2) contains:

- Rodent Gag
- Small Cheek Dilator
- Large Cheek Dilator
- Long Reach Dilator
- Incisor Luxator
- Molar Luxator
- Molar Extraction Forceps
- Diamond Rasp
- Rodent Spatula
- Molar Cutter

Hand & Motor Kit (ROD3) contains:

- Full Hand Kit PLUS:
- Rabbit Bur Kit
- Soft Tissue Protector
- Diamond Disc
- Diamond Disc Protector

This Kit also requires a Straight Nose Cone, plus a Micromotor, Air or Electric Drive.

RODI Basic Kit

ROD2 Full Hand Kit

ROD3 Hand & Motor Kit

Rodent Mouth Gag



The rodent mouth gag is a must for any practice looking to complete the examination & treatment of rabbit molars.

012185 Rodent Mouth Gag

Rodent Mouth Gag

012185LW Rodent Mouth Gag Lightweight

012185LWS Rodent Mouth Gag Lightweight & Small

Rodent Molar Rasp



The diamond coated rasps are designed to smooth off sharp edges without disturbing the delicate tooth roots. The small diamond rasp is contoured in two directions to enable it to sit nicely on top of the molars. Unsuitable for debulking but good for tidying.

012187 Rodent Tooth Rasp Large 165mm

012181 Rodent Tooth Rasp Small 180mm

012182 Rodent Molar Rasp Fine - Diamond Large 165mm

012181A-A Molar Rasp Fine - Diamond - Small

01218SET Rodent Molar Rasp Set Of 4 (As Above)

Rodent Cheek Dilators



The small dilator is also useful as a small gag for guinea pigs & chinchillas.

012188 Rodent Cheek Dilator Small Max Gape 40mm Blade Length 15mm, Blade Width 10mm

012189 Rodent Cheek Dilator Large Max Gape 60mm Blade Length 22mm, Blade Width 15mm

012189A Rodent Cheek Dilator Long Reach - Blade Length 36mm, Blade Width 11mm Use With Long Burs Max Gape 35mm

Rodent Spatula

Use to deflect tongue & cheek to examine & treat molars.

012184 Rodent Spatula

Double Ended Diamond Rasp



One end is concave to sit on & around the molars. The other end is flat. Each blade is 25mm long.

012173 Double Ended Diamond Rasp 205mm

Rodent Molar Cutter



Use to debulk or for trimming spurs & hooks.

012186 Rodent Molar Cutter 180mm
012186/S Rodent Molar Cutter 140mm
01218CUTSET Rodent Molar Cutter Set Of 2 (As Above)

Crossley Incisor Luxator



Designed by David Crossley to extract the very large rabbit incisors. Removal avoids the requirement for repeated cutting of overgrown mal-occluded incisors. Shape of luxator matches tooth shape. A smaller version is available for guinea pigs & rats.

012197CR Crossley Incisor Luxator 195mm
012197R Small Crossley For Guinea Pigs & Rats 190mm
012197SET Crossley Incisor Luxator Set Of 2 (As Above)

Crossley Molar Luxator



Designed to facilitate extraction of molars with a minimum of damage to the alveolus & surrounding soft tissue.

One cutting blade is for insertion down buccal or lingual surface. The other end of the instrument is set at right angles to penetrate between molars.

012197M Crossley Molar Luxator 160mm

Molar Extraction Forceps



There is very little space inside a rabbit mouth. These forceps are very slim & angled to fit in the mouth without totally obscuring the teeth.

012199 Rabbit/Guinea Pig Molar Forceps 160mm

Root Tip Extraction Forceps



Most chronic abscesses around the head of a rabbit are related to infected tooth roots. Removal of the offending root is a prerequisite for successful treatment.

Designed by Frances Harcourt-Brown these modified needleholders are used to locate & lock onto the root tip via the abscess.

012206 Root Tip Extraction Forceps 160mm

Rabbit Bur Kit



Three burs have been selected by David Crossley as being suitable for the reduction of rabbit & chinchilla molar teeth. Our Rabbit Bur Kit includes two of each bur in a Stainless Steel Autoclavable Block. All are HP fitting to fit into the 1:1 Straight Nose Cone (not included). When using the Long Bur (HL563) use the Soft Tissue Protector to shield tongue & cheek. The diamond version of the very long cross cut bur cuts with less trauma & less heat than the carbide equivalent.

001792 Rabbit Bur Kit In Block (6 Burs)
001793 Soft Tissue Protector For Above Fits Straight Nose Cone



AAS Darvall Warm Air System

The benefits of preventing hypothermia both during & after surgery are well documented, both in terms of improved patient care & more efficient use of resources.

Use of warm air blankets to pre-warm patients, heated anaesthetic circuits for all procedures plus blankets under anaesthetised animals during longer procedures, over 60 minutes, followed by post-op cage blanket use will help optimise patient recovery from anaesthesia.

The Darvall Cozy™ Warm Air Heater is easy & straightforward to use. Running quietly, it produces minimal noise pollution in theatres & recovery areas.

The Darvall Cozy™ Starter Kit contains:

- Darvall Cozy™ Warm Air Heater Unit
- Wheel Kit - 4 Push Fit Wheels
- Starter Pack of Blankets (10 Blankets in total)
- Kennel Door Adaptor



AAS9084 AAS Darvall Cozy™ Warm Air Heater Starter Kit

The KDA Kennel Door Adapter (Cwik):

- Connects Darvall Cozy Warm Air Heater to Darvall's Kennel Blankets
- Fits to most warm air heaters using Cozy KDA Heater Hose Adapter
- New Cozy Cwik™ locking system - no nuts or screws
- Twist-Connect system for easy installation
- Allows fast access to patients in kennels
- Rapidly moved between kennel doors
- Fits to most kennel door systems
- Safe warming for patients

The KDA Kennel Door Adapter (Cwik) Kit contains:

- 1x Cozy Cwik KDA Adapter
- 2x Cozy Cwik KDA Gaskets (1 spare)
- 1x Cozy KDA Extension Hose 25cm
- 1x Cozy KDA Universal Heater Hose Adapter
- 1x Cozy Blanket x 8 Sample Pack

AAS9742	AAS Darvall Warm Air Heater Hose Clamp (new style)
AAS9744	AAS Darvall Cozy™ Filter Replacement Kit
AAS9707	AAS Darvall Cozy™ Heater Hose Cover (new style)
AAS9702	AAS Darvall Cozy™ Heater Hose 1.5m With Temp. Sensor
AAS9842	Darvall KDA Kennel Door Adapter Kit - Cwik
AAS1959	Darvall Two Kennel Y Adaptor (Requires 2x Kennel Door Connectors - Not Included)



@Veterinary Instrumentation

Follow our Social Media pages to keep up to date with the latest offers & updates.

AAS Darvall Warm Air Blankets - New Range

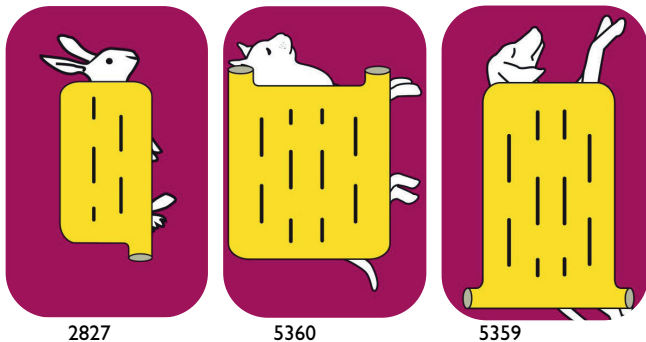
Innovative Warm Air Blankets for surgery, dentistry, exotics & kennels. Use for pre-warming, during anaesthesia & in recovery.

What makes them different from the rest?

The Darvall series of warm air blankets are specifically designed for veterinary use. The unique blanket surface design is porous polyester which provides low uniformly distributed air flow, providing efficient warming, reducing the 'wind chill' factor & minimising hair contamination. Traditional warm air blankets have a punched out surface allowing a higher rate of air flow out of the blanket. OK for humans, as we are on a very different scale, but much less suitable for veterinary patients.

The blankets are colour coded, the white side always is in contact with the patient.

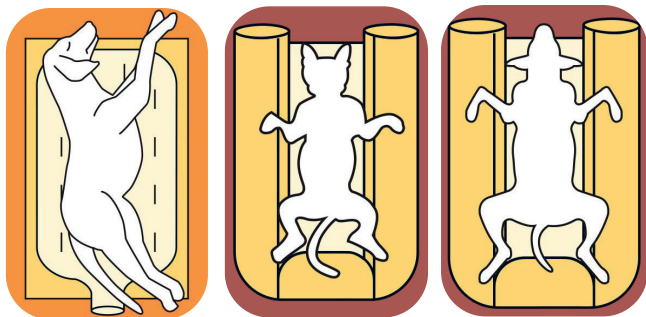
Starter Pack Of Darvall Warm Air Blankets



2827

5360

5359



5310

2979

2275

Not sure what you will use? Get a starter pack to try all sizes.

Pack includes:

- 2x Surgery Under Blankets - Cats & Small Dogs
- 2x Surgery Under Blankets - Medium & Large Dogs
- 1x Dentistry Under/Surgery Over Blanket - Medium & Large Dogs
- 1x Surgery/Cage Blanket - Exotics & Small Animal
- 2x Single Kennel Blankets - Cats & Small Dogs
- 2x Double Kennel Blankets - Medium & Large Dogs

AAS8460 Darvall Warm Air Sample Assorted Blankets Pack Of 10

AAS Darvall Warm Air System Blankets

- AAS8460** Darvall Warm Air Sample Assorted Blankets Pack Of 10
AAS02979 Darvall Warm Air Surgery Under Blanket for Cats & Small Dogs - Pack Of 10
AAS02275 Darvall Warm Air Surgery Under Blanket For Medium & Large Dogs - Pack Of 10
AAS05310 Darvall Warm Air Dentistry Under Blanket/Surgery Over Blanket For Medium & Large Dogs - Pack Of 10
AAS02827 Darvall Warm Air Surgery/Cage Blanket For Exotics & Small Animals - Pack Of 10
AAS05360 Darvall Warm Air Single Kennel Blanket For Cats & Small Dogs - Pack Of 10
AAS05359 Darvall Warm Air Double Kennel Blanket For Medium & Large Dogs - Pack Of 10

Darvall Heated Anaesthetic Accessories

- AAS8615** Heated Circuit Connection Cable (Spare Part)
AAS8617 AAS Temperature Probes
AAS8347 Heated Circle System 12mm Cats & Small Dogs 2-20kg
AAS8348 Heated Smooth-Wall Breathing Circuit 16mm For Dogs 30-80kg
AAS8531 Starter Kit For Heated Anaesthesia Breathing Circuits



When making investments in specialist medical devices, veterinarians & practices want to ensure that the equipment they are using is fully functional, sterile & ultimately fit for purpose, whilst also adopting proactive measures to enhance the natural lifecycle of the device.

The key is to handle your instrumentation with care as they go through the cleaning & decontamination process.

The Instrument Care & Maintenance section of our website contains some key recommendations which will help protect your instrumentation & ensure a suitable care & maintenance plan is in place & this can be found by scanning the QR code below.



To view the Instrument Care section of our website, scan the QR code below.



Instrument Cleaning Agents

Rapidex Cleaner



An effective general Surgical Instrument cleaner. The soluble sachets are simply dropped into the ultrasonic bath & deliver the following benefits to adopters:

- Ideal for Ultrasonic Cleaners
- Effective as a pre-soak for the removal of long standing debris or difficult to remove residues
- Validated through testing with the Royal Institute of Public Health

RAPIDEX Rapidex Soluble Sachets Box Of 50
RAPIDEXBULK Rapidex Bulk Powder 2.25kg

Rapizyme



Three new enzymes. Easy to use measured bottle. 2ml per litre dilution. Removes all organic material. Ideal for endoscopes & low foam for ultrasonics. Completely rinsable & biodegradable. Tested by The Royal Institute of Public Health

RAPIZYME I Rapizyme I Litre

Micro 90 Concentrate



Liquid general purpose Instrument Cleaner (dilute 1:100) for Ultrasonics.

100300 Micro 90 1 Litre Dilute 1:100

Perasafe



Perasafe is a rapid, instrument compatible, user & environmentally friendly chemical sterilant.

Supplied as a safe, space-saving powder, Perasafe is activated by simply dissolving in luke-warm tap water. Providing rapid sterilisation & re-use of endoscopy instruments,

Perasafe gives confidence to users & patients alike. A unique aldehyde-free formulation gives efficacy without harm to instruments, health risks to nursing staff & avoids the need for special fume extraction or waste disposal systems.

Perasafe is a pale blue/white powder which, when in solution, sterilises within ten minutes. Suitable for all surgical instruments & fibrescopes. Formulated not to damage surgical instruments.

Prepared solution lasts 24 hours. 81g pack makes 5 litres. May be subdivided to make less.

100100 Perasafe Cold Sterilant 24 x 81g (5 Litre Size)
100101 Perasafe Cold Sterilant 6 x 81g (5 Litre Size)

Cleaning Brushes

Instrument Cleaning Brushes & Pipecleaners



Stainless Steel Instruments are protected from corrosion by a very thin layer of chromium oxide. This should not be damaged by regular wire brushes.

Brushes available with nylon & stainless bristles.

Orthopaedic Cleaning Brush is double ended with superfine soft stainless steel bristles.

General instrumentation is the same with nylon bristles. One end has three rows of Bristles, the other has a single row for delicate work.

Pipe Cleaners are 1/8" diameter & 12" long. Absorbant for cleaning & drying. Supplied in packs of 100.

- CB1** Cleaning Brush Nylon For Gross Contamination
- CB2** Cleaning Brush Stainless For Large Burs & Reamers
- CB3** Cleaning Brush Nylon For General Instrumentation
- CB4** Cleaning Brush Stainless Steel For Orthopaedic
- CBPIPE** Pipe Cleaners 1/8" 12" Long (Pack Of 100)

Instrument Marking Tape



Allows rogue instruments to be returned to their kits. Also useful when going on practical courses.

Available as a Kit or in individual rolls.

- I00001** Instrument Marking Tape (Box 8 colours) (1200mm)
- I00001Y** Instrument Marking Tape Single Yellow (3000mm)
- I00001R** Instrument Marking Tape Single Red (3000mm)
- I00001BR** Instrument Marking Tape Single Brown (3000mm)
- I00001OR** Instrument Marking Tape Single Orange (3000mm)
- I00001BLU** Instrument Marking Tape Single Blue (3000mm)
- I00001G** Instrument Marking Tape Single Green (3000mm)
- I00001W** Instrument Marking Tape Single White (3000mm)
- I00001GRY** Instrument Marking Tape Single Grey (3000mm)
- I00001P** Instrument Marking Tape Single Purple (3000mm)

Protective Autoclavable Tips



For Steinman, ESF pins & delicate or sharp instruments. Protect both tips & staff.

- I00011-W** Protective Tip White Up To 1.6-2mm Diameter Pack 20
- I00011-BL** Protective Tip Blue 2.5-3mm Diameter Pack 20
- I00011-G** Protective Tip Green Up To 3.2-4mm Diameter Pack 20
- I00011-R** Protective Tip Red Up To 4.8mm Diameter Pack 20
- I00011-Y** Protective Tip Yellow Up To 6.0-6.5mm Diameter Pack 20
- I00011-O** Protective Tip Flat Orange Up To 10mm Wide Pack 20
- I00011-BR** Protective Tip Flat Brown Up To 16mm Diameter Pack 20
- I00011-BLK** Protective Tip Flat Black Up To 25mm Diameter Pack 20
- I00020** Protective Tips Silicone Multi Pack One Pack Of Each Colour 160 (8x20)

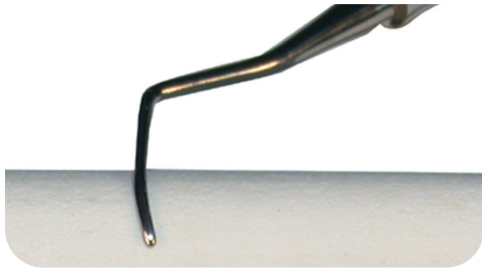
Cleaning & Lubricating Spray

Instrument Oil - (Autoclavable)

Regular lubrication will keep your Surgical Instrumentation working longer. Failure to lubricate will result in stiff joints & ultimately breakages. Low boiling point oils are quickly lost during the autoclaving process.

I00003 Instrument Lubricating Oil

IM3 White Stone Slip



To work effectively both scalers & elevators need to be sharp. Regular sharpening will keep your instruments working correctly.



The Slip Stone has both flat & rounded surfaces to sharpen elevators & curettes.

012150 IM3 White Slip Stone For Curettes & Elevators
012146 Luxator Cylindrical Sharpening Stone

Diamond Card - Fine



Diamond Covered Plate is ideal for sharpening Dental Elevators & Luxators. To work efficiently these instruments must be sharp. An additional advantage is that the lubricant used is water rather than the oil used with sharpening stones.

012144 Flat Diamond Sharpening Card (Fine)

Diamond Cone



Subgingival Curettes must be kept sharp to work efficiently. They should be checked & sharpened at least weekly. The Diamond Cone is indestructible compared with stones which break very easily & uses water rather than oil as a lubricant.

012148 Diamond Cone 205mm



**@Veterinary
Instrumentation**

We are now on YouTube!

Keep up to date with our latest
video content by following us on
YouTube.

Instrument Boxes & Accessories

Premium Instrument Boxes



Vi's range of Premium Instrument Boxes are made from lightweight anodised aluminium. Both lid & base are perforated, but protected by replaceable paper filters in the lid & reusable filters in the base which allow steam penetration but not micro-organisms. The clip on lid incorporates a silicone seal which is impervious to micro-organisms. Paper labels to identify kits & safety padlocks add to peace of mind. A fingered silicone mat will prevent instruments damaging each other.

- BX301410P** Box External 300mm x 140mm x 95mm
- BX301470P** Box External 300mm x 140mm x 62mm
- BX301440P** Box External 300mm x 140mm x 40mm
- BXPFILTER** Replacement Paper Filters with Indicators (x100)
- BXPFIND** Paper Labels With Indicators (x100)
- JK09I** Sterile Container Reusable Filter Pack Of 2

Needle Boxes (Autoclavable)



- 091149** Needle Box - Polypropylene 50mm x 40mm x 8mm
- 091149L** Needle Box - Polypropylene 95mm x 70mm x 17mm

Instrument Boxes & Filters

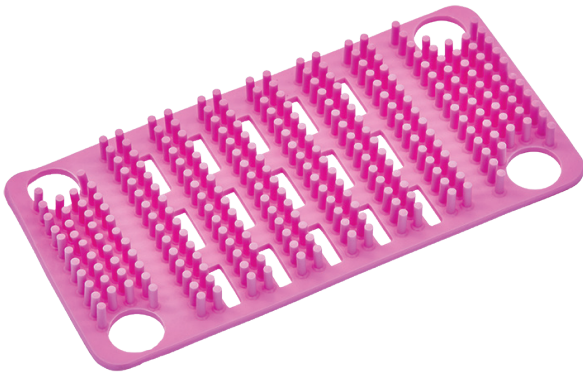


Stainless Steel in construction with a bacterial filter in the base. The Filter allows steam to enter & water vapour to leave but excludes bacteria. Available in a range of sizes to suit most instrument sets & autoclaves. Some sizes are available without Filter. Replace Filters annually.

- BX201040** Box 200mm x 100mm x 40mm
- BX201040NF** Box 200mm x 100mm x 40mm No Filter
- BX221250** Box 220mm x 120mm x 50mm
- BX221250NF** Box 220mm x 120mm x 50mm No Filter
- BX221550** Box 220mm x 150mm x 50mm
- BX281450** Box 280mm x 140mm x 50mm
- BX281410NF** Box 280mm x 140mm x 100mm No Filter
- BX341650** Box 340mm x 165mm x 50mm
- BX341670** Box 340mm x 165mm x 70mm
- BX402070** Box 400mm x 200mm x 70mm

- FILBX201040** Filter For Box BX201040
- FILBX221250** Filter For Box BX221250
- FILBX221550** Filter For Box BX221550
- FILBX281450** Filter For Box BX281450
- FILBX341650** Filter For Box BX341650
- FILBX402070** Filter For Box BX402070

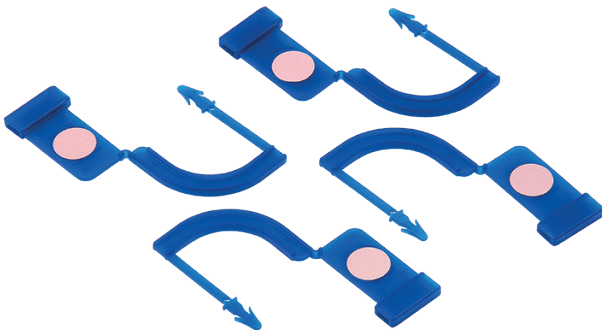
Fingered Silicone Insert



Autoclavable Silicone Insert fits the base of the Stainless Box to prevent instruments contacting & damaging each other. There is an insert to fit each of our Standard Boxes. Other sizes are available extra to listed below.

BXSIL201040	Silicone Insert For Box 200 x 100mm
BXSIL2540	Silicone Insert For Box 250 x 150mm
BXSIL2212	Silicone Insert For Box 220 x 120mm
BXSIL2215	Silicone Insert For Box 220 x 150mm
BXSIL2814	Silicone Insert For Box 280 x 140mm
BXSIL3416	Silicone Insert For Box 340 x 160mm
BXSIL4020	Silicone Insert For Box 400 x 200mm

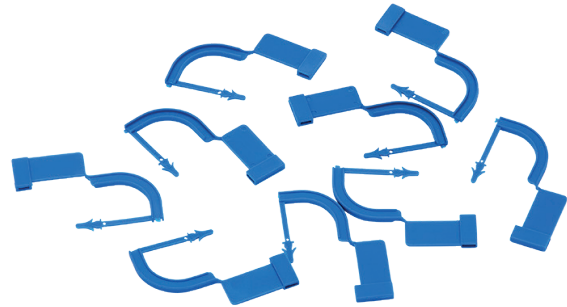
Instrument Box Padlock Security Tags With Indicator



Anti-tamper Security Padlock with Steam Sterilisation Indicator Spot. Spot colour changes from pale blue to brown. Single use only. Padlock has to be broken to be removed. Supplied in packs of 20 & 100.

PSL20	Security Padlocks With Sterilisation Indicator (x20)
PSL100	Security Padlocks With Sterilisation Indicator (x100)

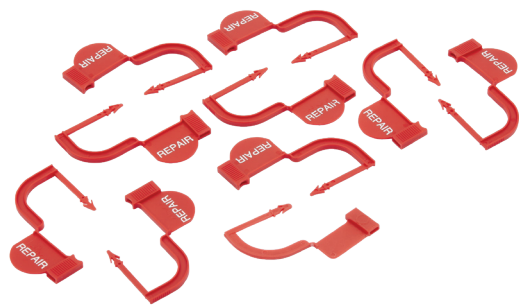
Disposable Security Padlocks - No Indicator



Anti-tamper security padlock. Useful for marking instrument boxes. Single use only. Padlock has to be broken to be removed. Good value. Supplied in packs of 100

PSSI100	Disposable Security Padlocks No Indicator (x100)
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Disposable Padlocks - Instrument Repair



Useful for marking instruments which should be sent for repair. Single use only. Padlock has to be broken to be removed.

Supplied in packs of 10

PSTR10	Disposable Padlocks - Instrument Repair (x10)
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Askir Suction Machine



This simple Suction Unit is sensibly priced to make it suitable for general practice as well as more specialised centres.
 The Suction Tube will fit all Standard Tips.
 The Bottle capacity is 1 litre which is adequate for virtually all small animal procedures.
 The in-line filtration system minimises biohazards.
 Most veterinary dentists now regard suction as being essential.
 Suction is controllable & there is a vacuum indicator.
 CE marked for peace of mind & quality.
 The Suction Machine is ready for the attachment of tubes & tips.

- 185000** ASKIR 30 Suction Device
- 185003** Filter Only
- 185004** Spare Suction Bottle & Lid
- 185005** Spare Lid from Suction Bottle

Suction Tips

We stock the four most useful styles of tip. Each Tip comes complete with a length of Autoclavable Silicone Tube to connect to the suction unit.

Yankauer



General purpose suction tip for removal of large volumes e.g. from abdomen.

1854327 Yankauer Suction Tip

Poole



As Yankauer but more holes for greater volume uptake. With perforated outer sheath removed the Poole functions as a small bore straight suction tip.

1854330 Poole Suction Tip

Adson 4mm



Focal suction tip removes fluid from specific locations e.g. in spinal procedures. Very controllable at the handpiece by single finger over air bypass hole.

1852121 Adson Suction Tip 4.0mm

Frazier 2.6mm



As the Adson but finer still.

1854328 Frazier Suction Tip 2.6mm

Disposable Suction Tips & Autoclavable Tip Holder

The Autoclavable Suction Tip Holder fits onto Standard Silicone Suction Tubing. There are a wide range of tips which fit the standard 11mm tapered opening.

185DISPH Disp Tip Handpiece (Autoclavable) To Fit Standard Suction Tubing

Suction Tubing



185009 Autoclavable Suction Tubing Per Metre

Suction Tubing Connector



185006 Suction Tubing Connector

Cautery Units

Portable Cordless Cautery Kit



This handy Set comprises a Handpiece using two AA batteries (included) & four interchangeable & replaceable Cautery Tips

1/2" (12mm) Fine general purpose electrode for haemostasis

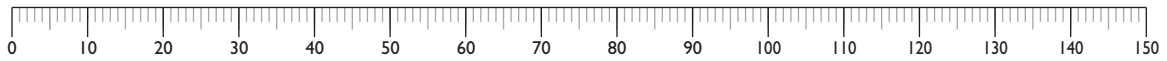
1/2" (12mm) Loop electrode for small skin tumours

4" (130mm) Fine electrode for deep areas

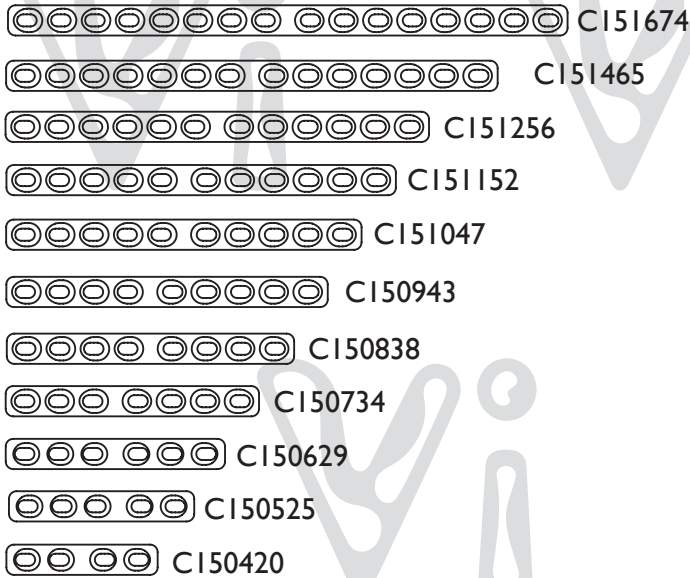
4" (130mm) Loop electrode

Tip temperature 2200°F/1200°C

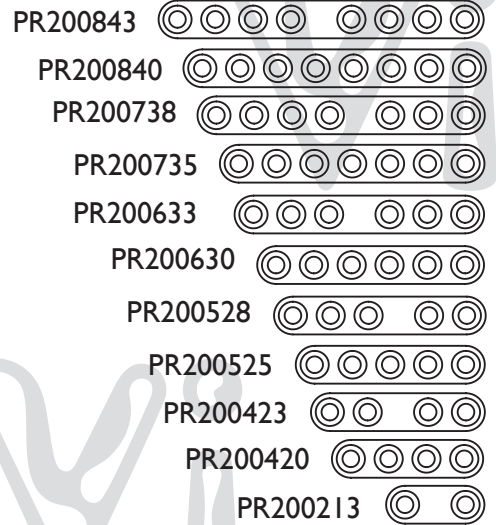
02313 Portable Cordless Cautery Kit
02313W Replacement Cautery Tip 1/2" Fine
02313X Replacement Cautery Tip 1/2" Loop
02313Y Replacement Cautery Tip 4" Fine
02313Z Replacement Cautery Tip 4" Loop



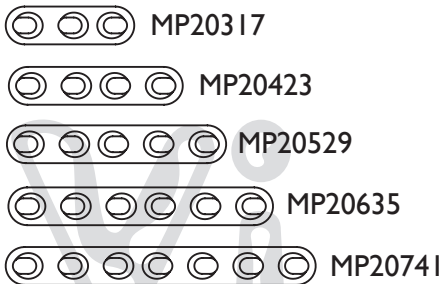
1.5mm Compression Plates



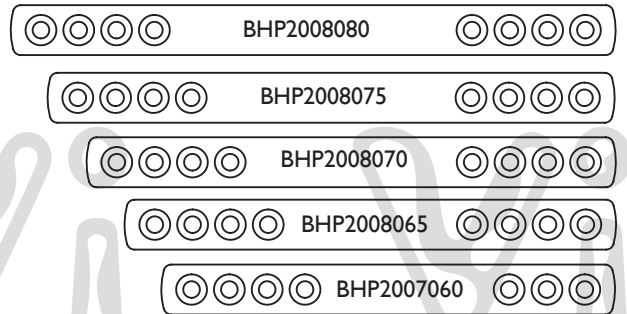
2.0mm Round Hole Plates



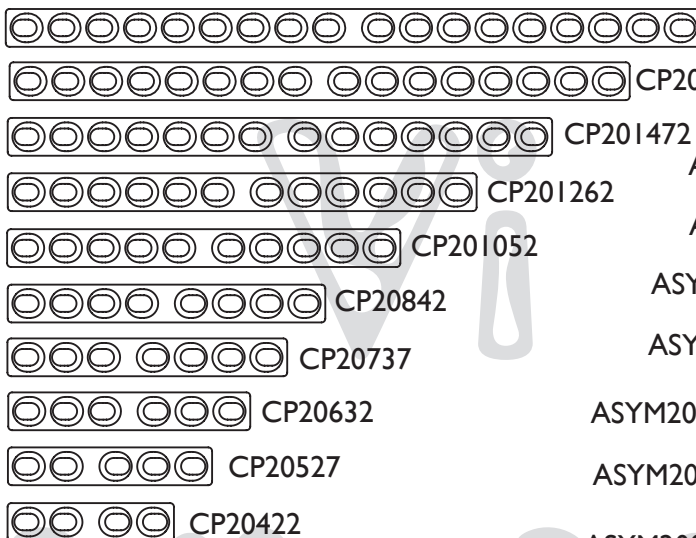
2.0mm Mini Plates



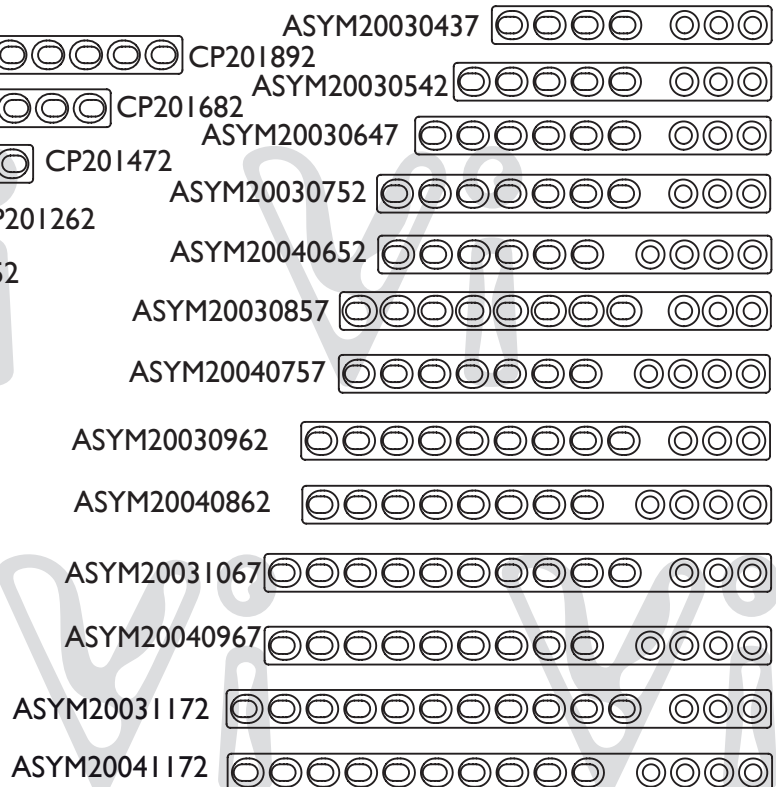
2.0mm Biological Healing Plates

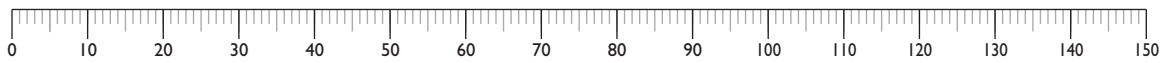


2.0mm Compression

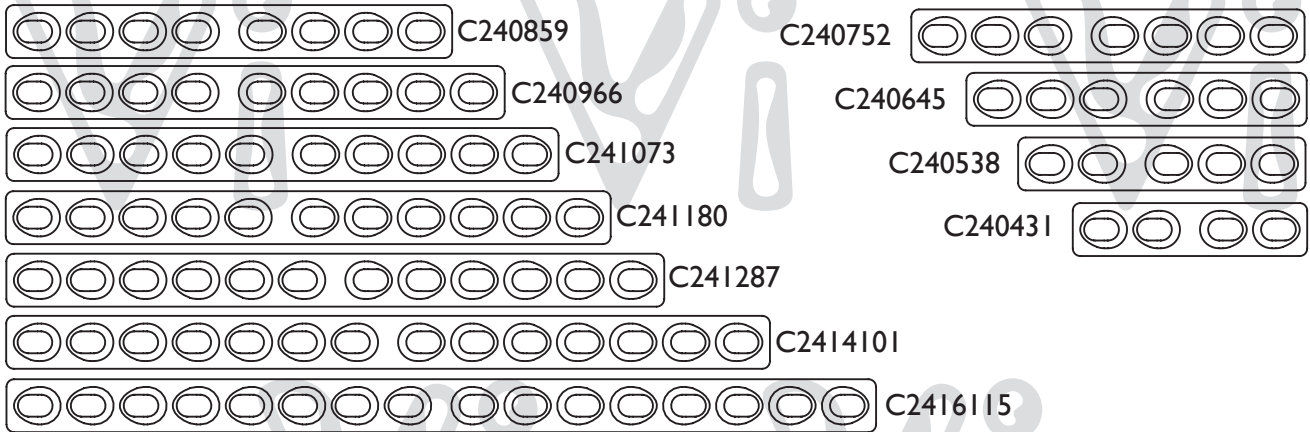


2.0mm ASYM® Plates

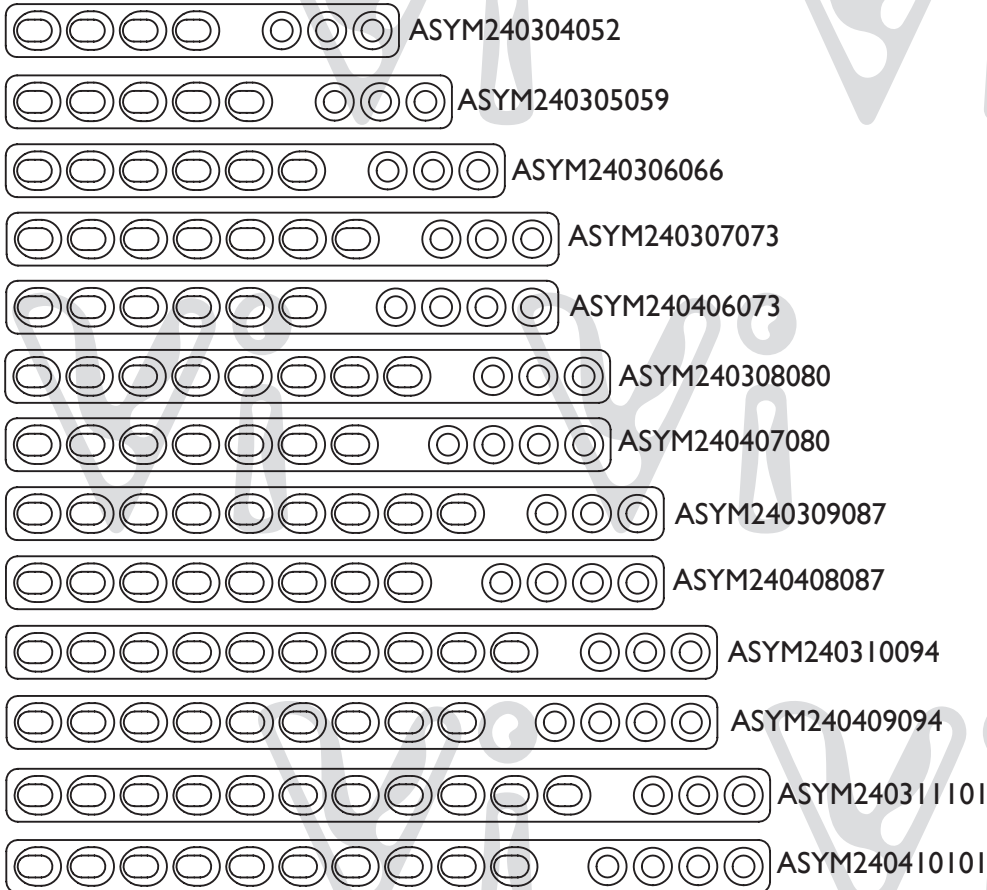




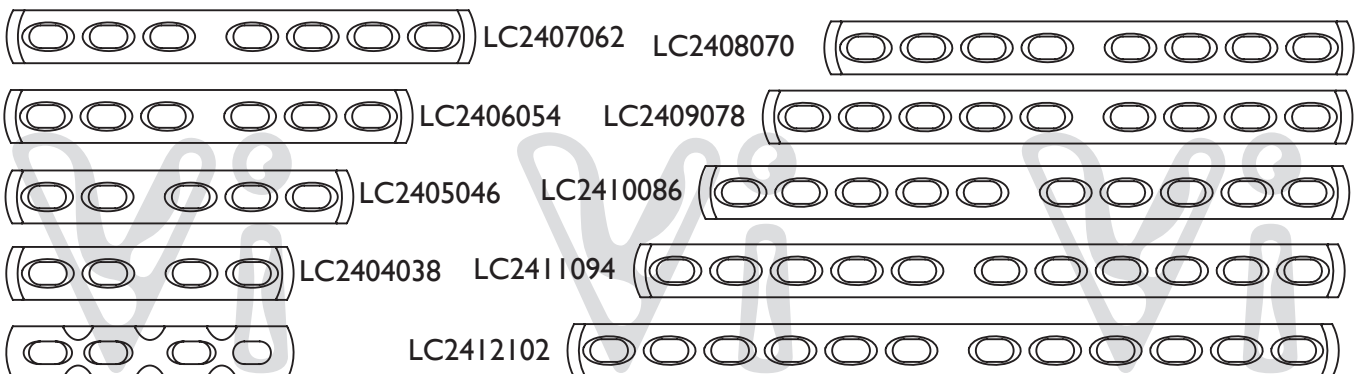
2.4mm Compression Plates

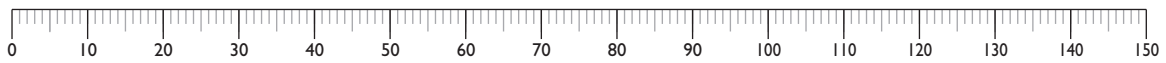


2.4mm ASYM® Plates

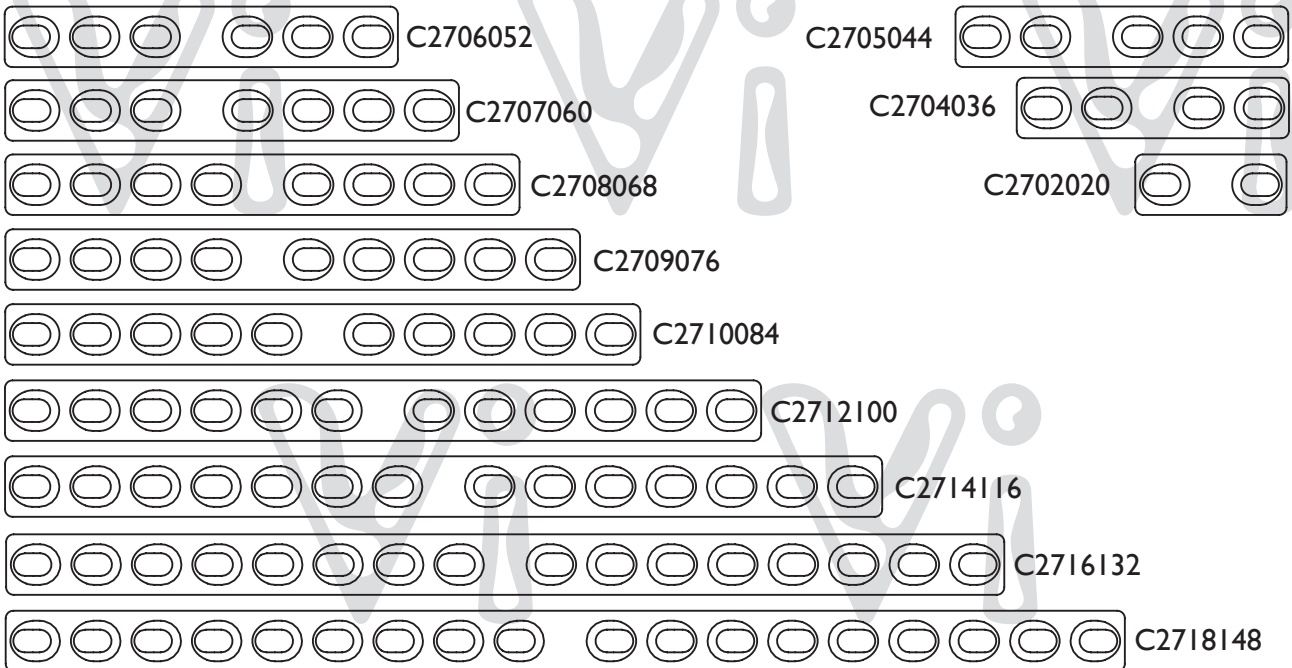


2.4mm Limited Contact Compression Plates



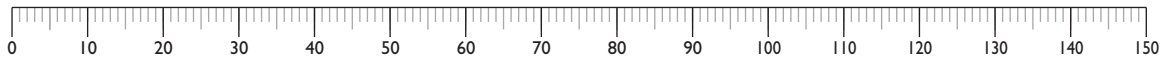


2.7mm Compression Plates



2.7mm ASYM[®] Plates





2.7mm Round Hole Plates



PR270851



PR270848



PR270745



PR270742



PR270639



PR270636



PR270215



PR270424



PR270427



PR270530



PR270533

2.7mm Heavy Duty Round Hole Plates



HPR270962

HPR271062



HPR270956

HPR271068



HPR270856

HPR271168



HPR270850

HPR271174



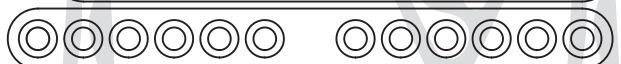
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HPR271274



HPR270744

HPR271280



2.7mm Biological Healing Plates



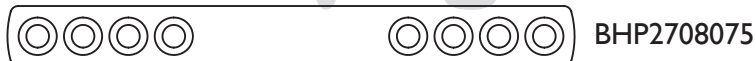
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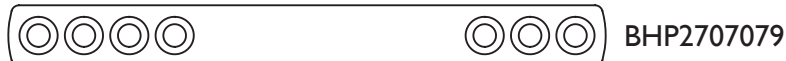
BHP2707067



BHP2707073



BHP2708075



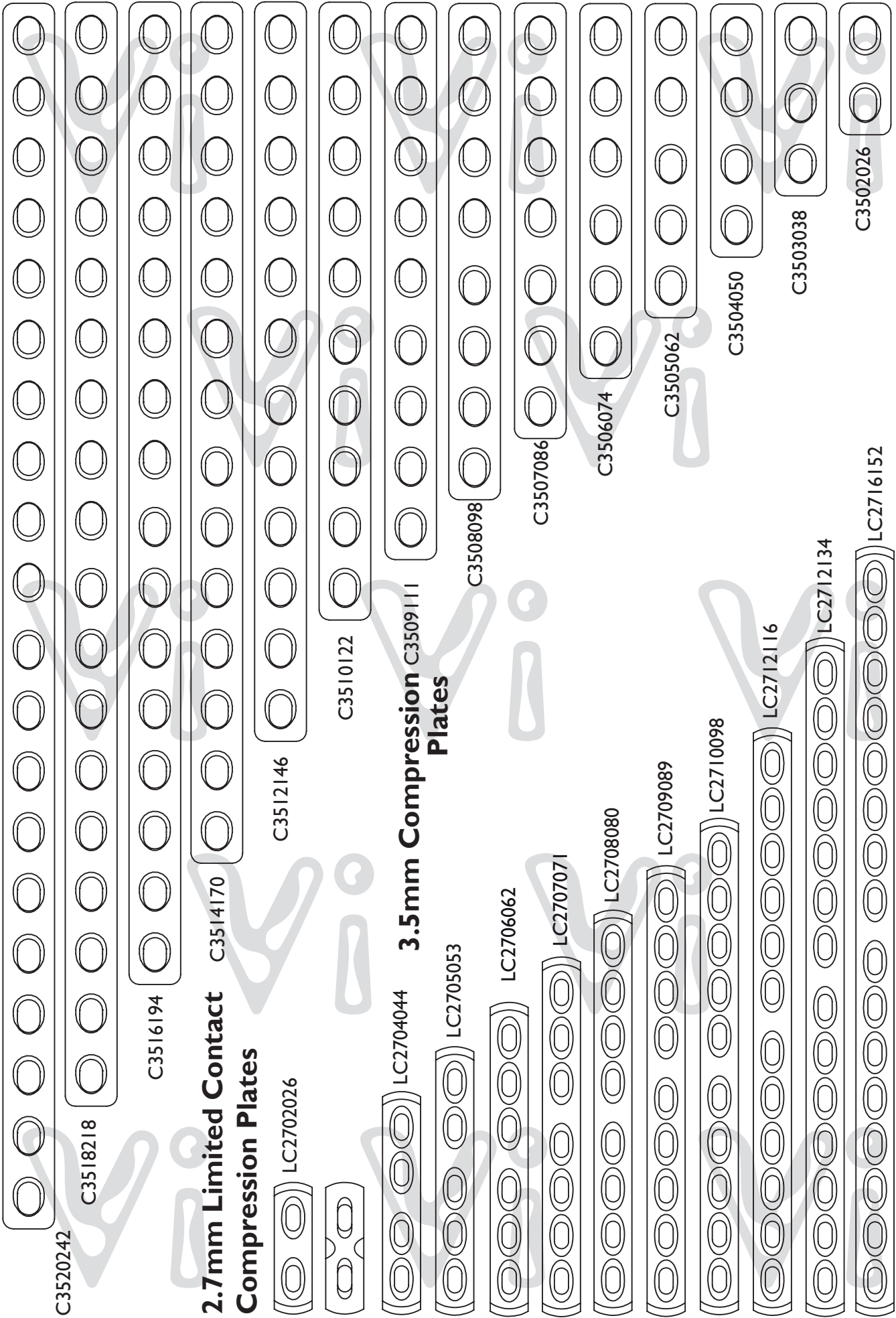
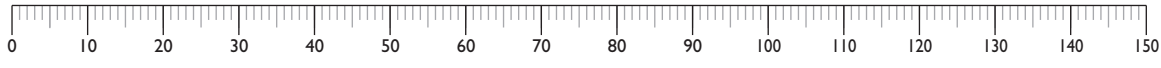
BHP2707079



BHP2708081



BHP2708085



C3520242

C3518218

C3516194

2.7mm Limited Contact C3514170

Compression Plates

LC2702026

C3512146

C3510122

LC2704044

3.5mm Compression C3509111

Plates

LC2705053

C3508098

LC2706062

LC2707071

C3507086

LC2708080

C3506074

LC2709089

C3505062

LC2710098

C3504050

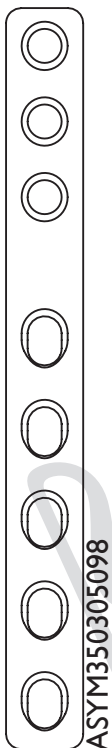
LC2712116

C3503038

LC2712134

C3502026

LC2716152



ASYM350305098

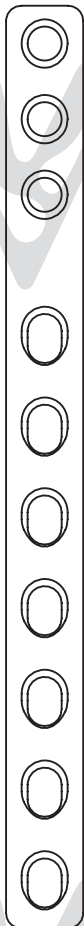


ASYM350304086

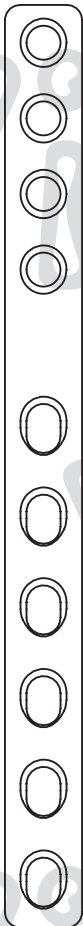
3.5mm ASYM® Plates



ASYM350306110



ASYM350307122



ASYM350406122



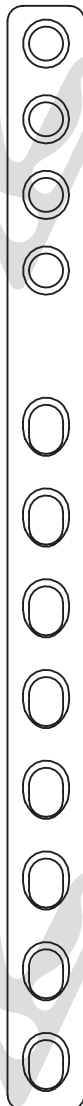
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ASYM350407134



ASYM350309146



ASYM350408146



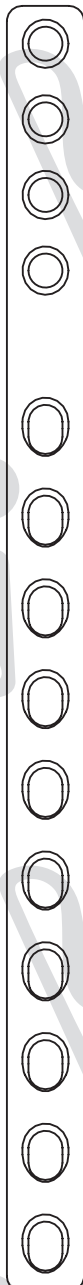
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ASYM350409158



ASYM350311170



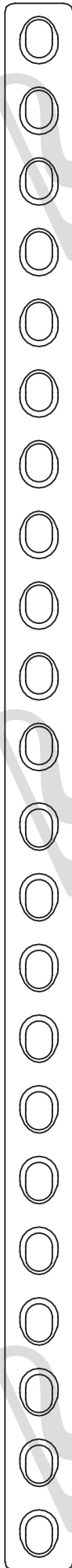
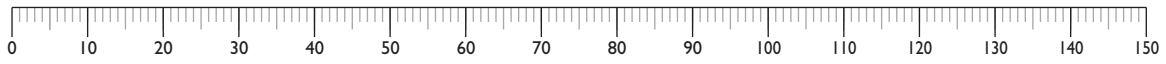
ASYM350410170



ASYM350312182



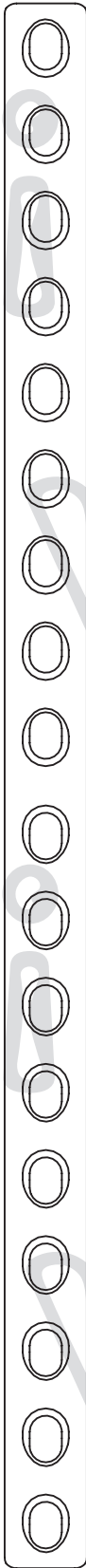
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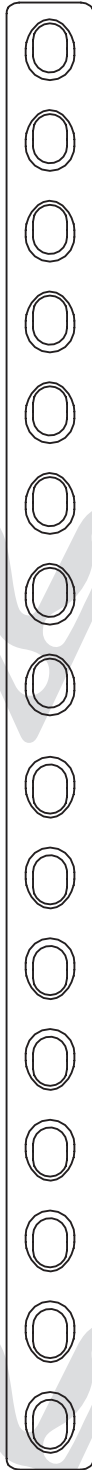
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BC3520242



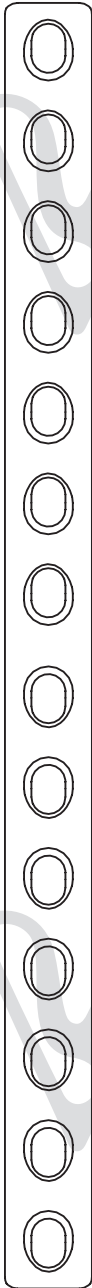
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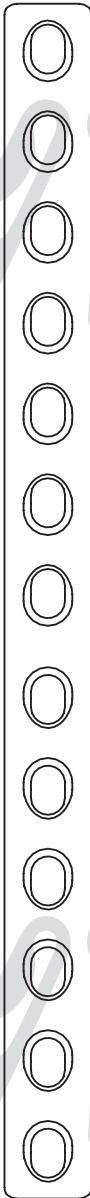
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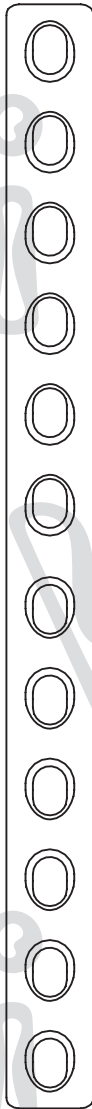


BC3514170



BC3513158

3.5mm Broad Compression Plates



BC3512146



BC3504050

BC3511134



BC3505062

BC3510122



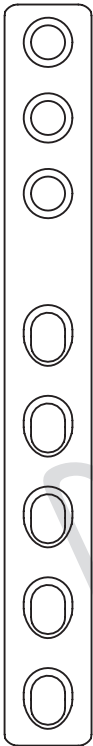
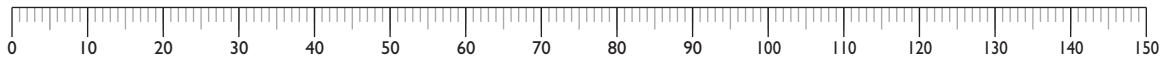
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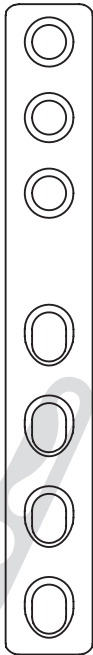


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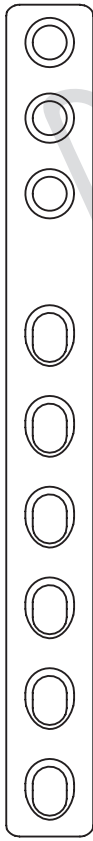


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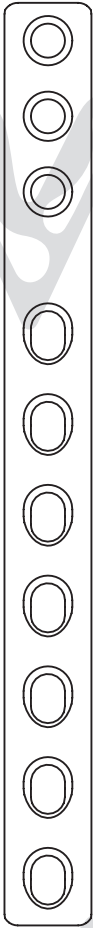


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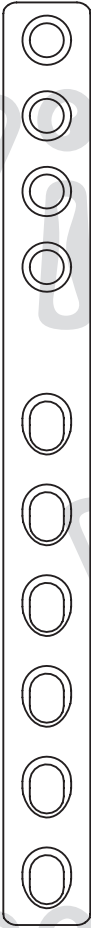
3.5mm Broad ASYM® Plates



ASYMB350306110



ASYMB350307122



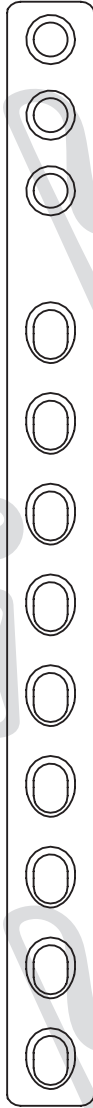
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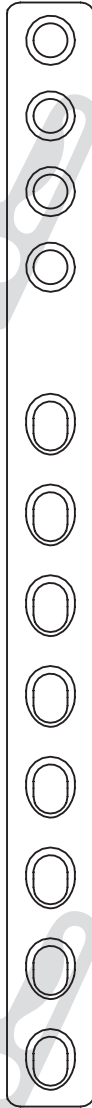
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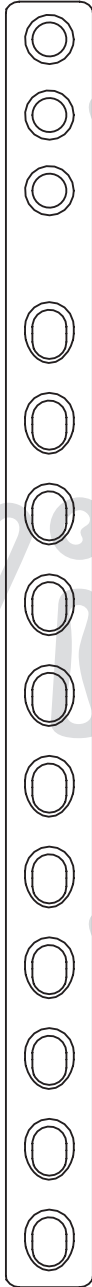
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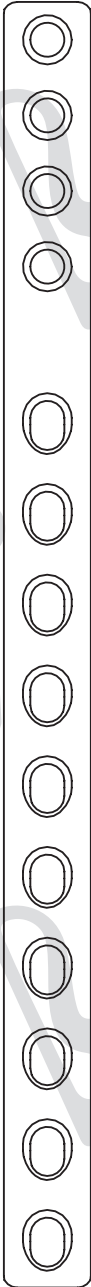
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ASYMB350409158



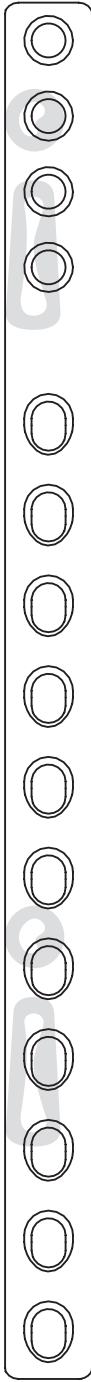
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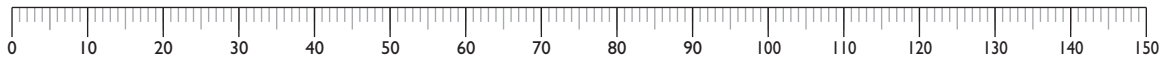
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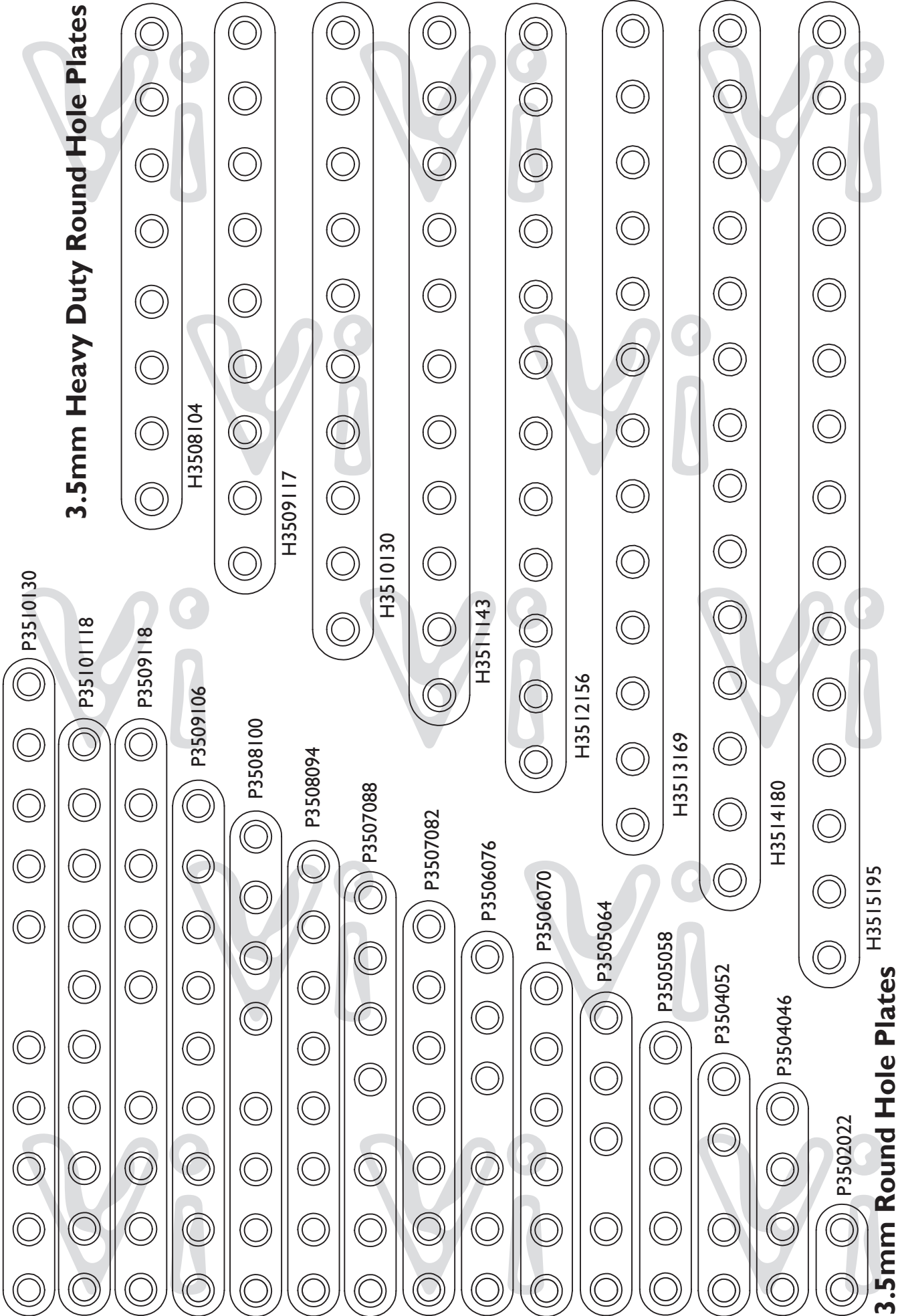
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ASYMB350411182

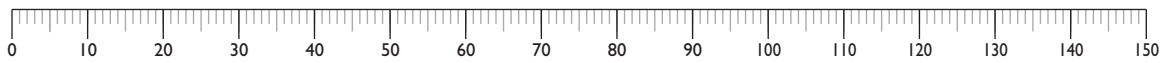


3.5mm Heavy Duty Round Hole Plates

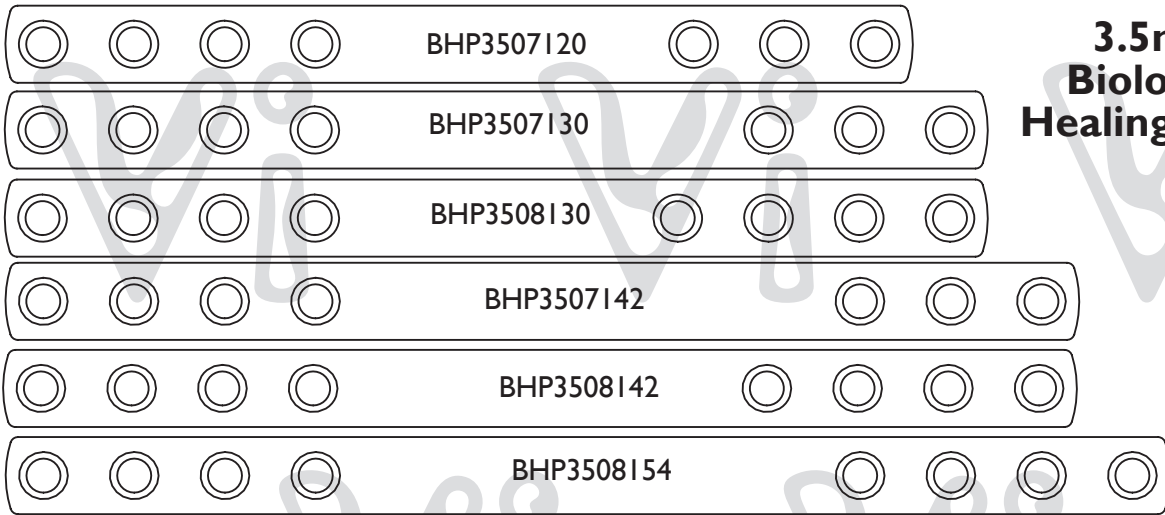


3.5mm Round Hole Plates

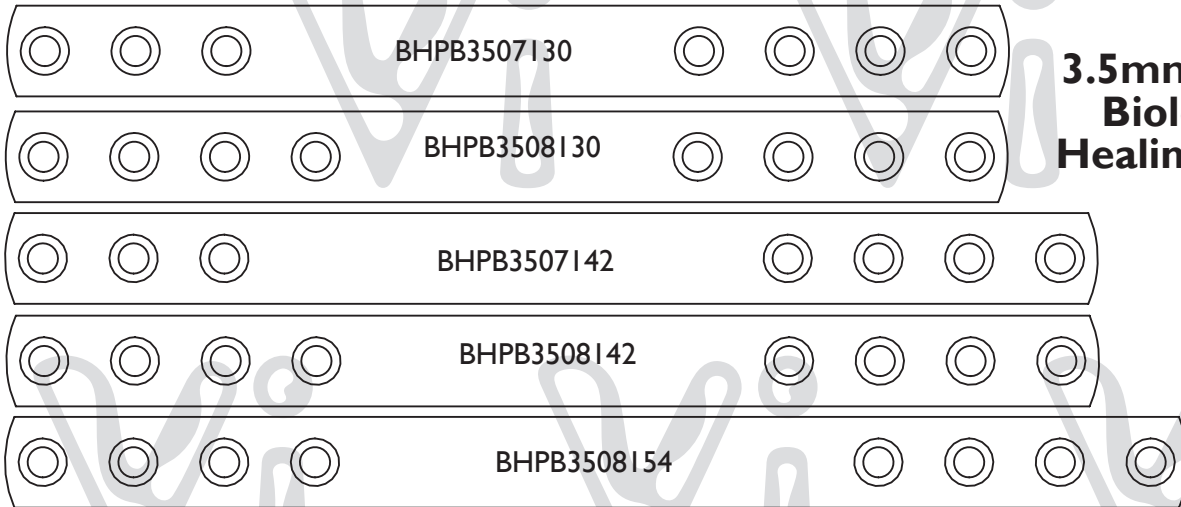
PLEASE NOTE THAT PLATE PROFILES ARE ACTUAL SIZE YOU WILL NEED TO COMPENSATE FOR X-RAY MAGNIFICATION • PROFILES FOR GUIDANCE ONLY PLATES MAY BE AMENDED AT ANY TIME



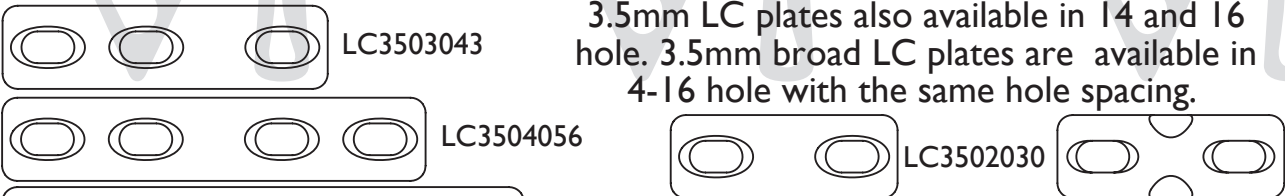
3.5mm Biological Healing Plates



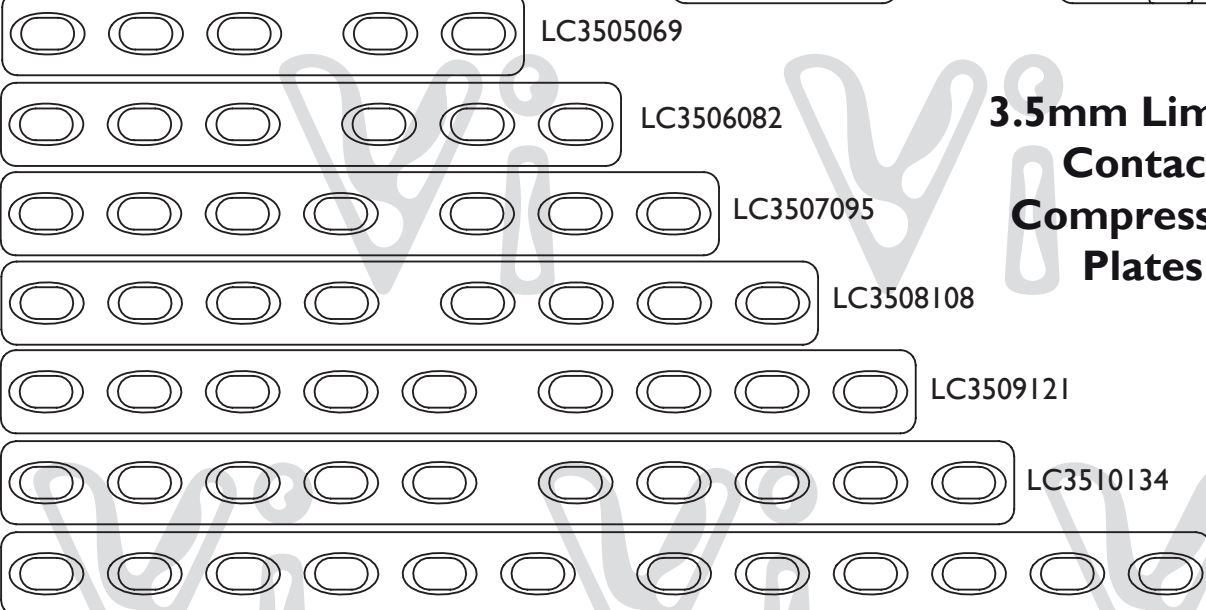
3.5mm Broad Biological Healing Plates



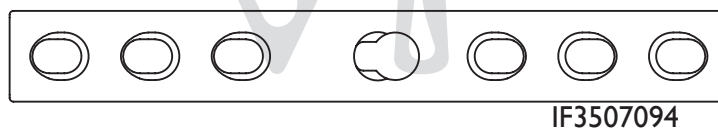
3.5mm LC plates also available in 14 and 16 hole. 3.5mm broad LC plates are available in 4-16 hole with the same hole spacing.

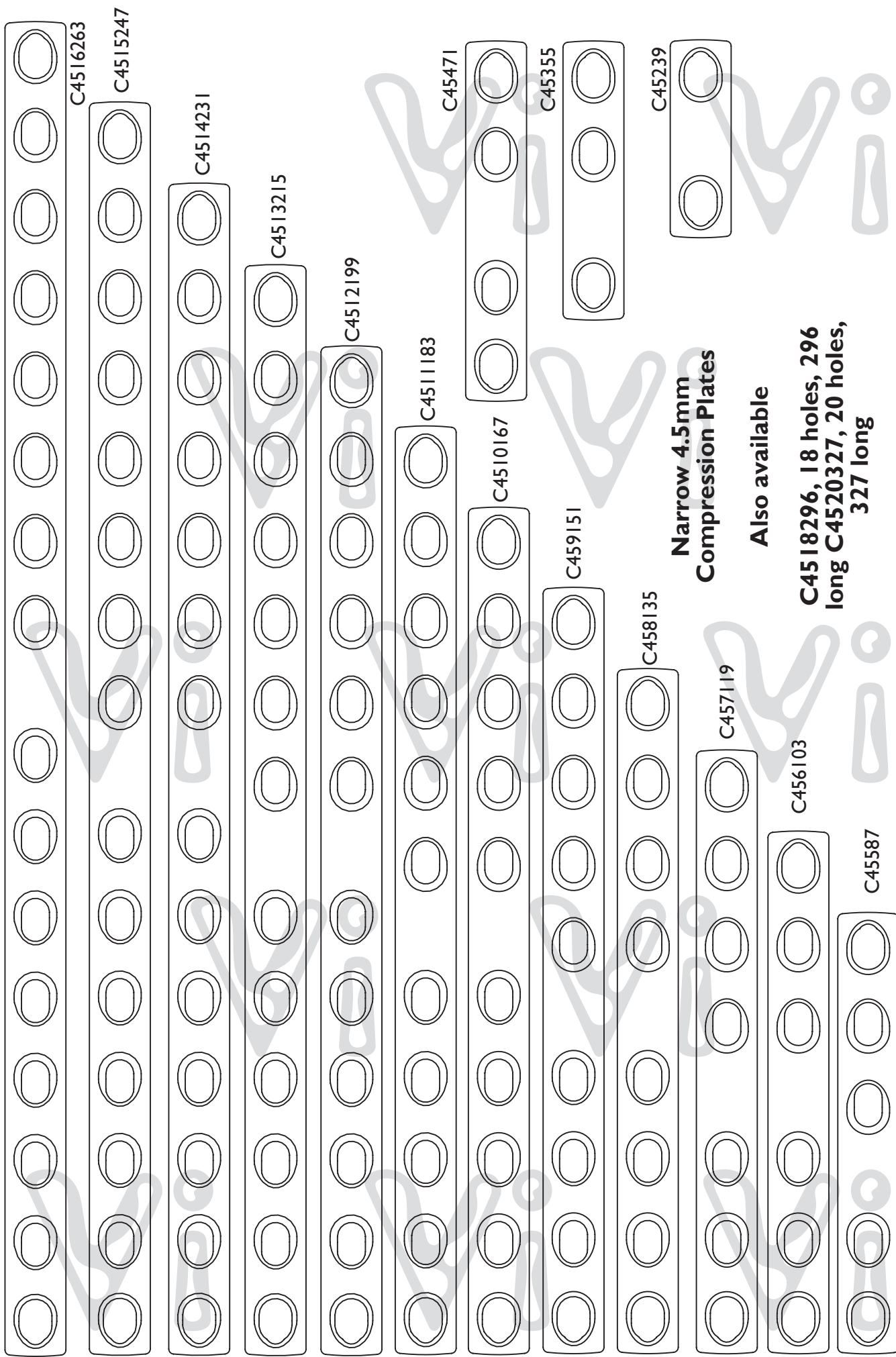


3.5mm Limited Contact Compression Plates



3.5mm IF Compression Plate



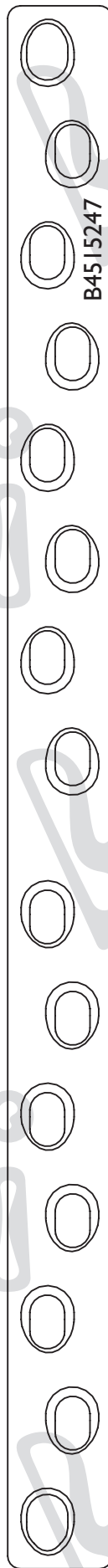
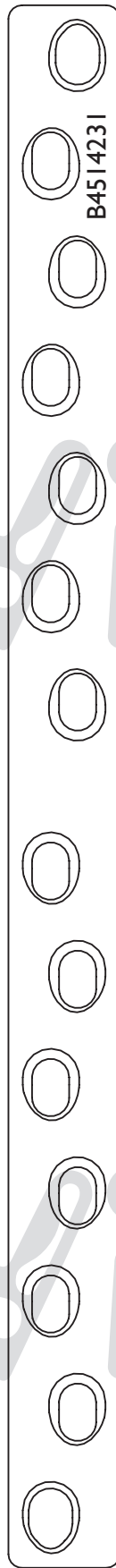
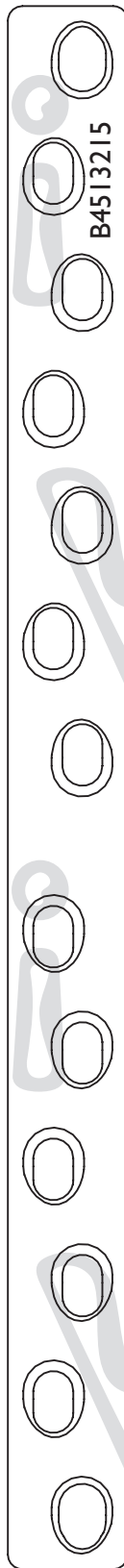
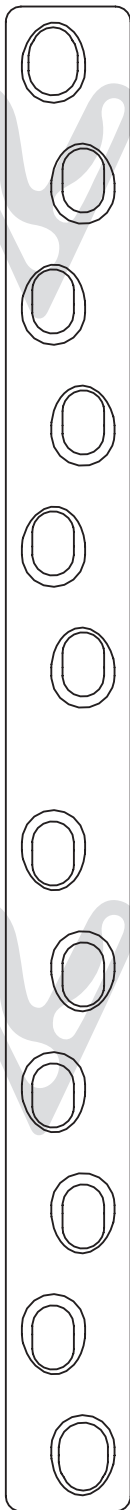
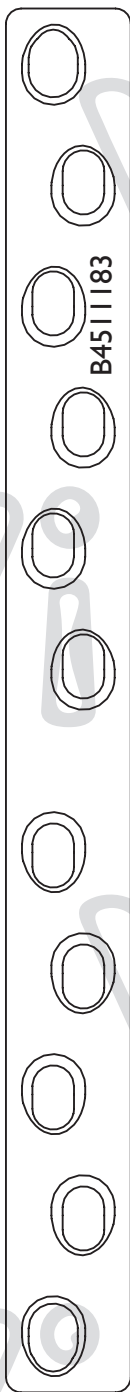
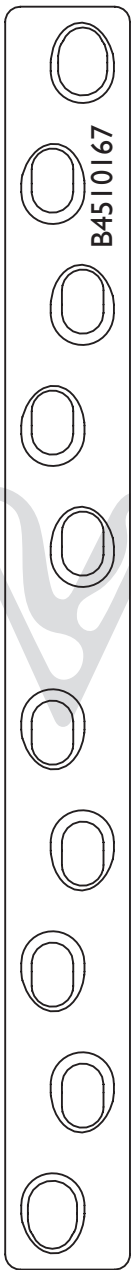
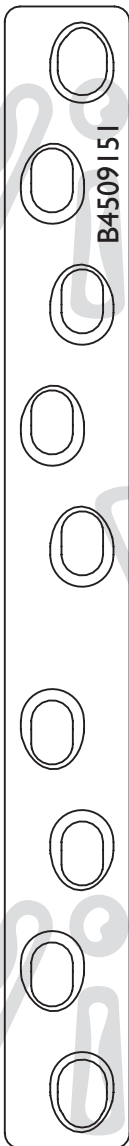
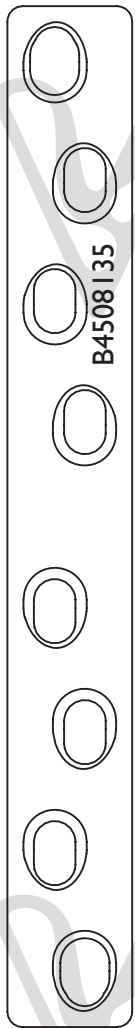
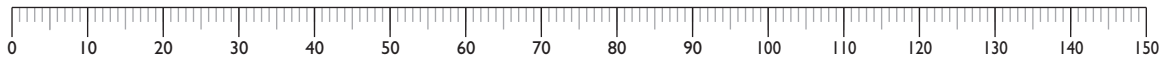


**Narrow 4.5mm
Compression Plates**

Also available

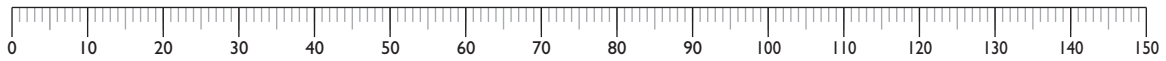
**C4518296, 18 holes, 296
long C4520327, 20 holes,
327 long**

PLEASE NOTE THAT PLATE PROFILES ARE ACTUAL SIZE YOU WILL NEED TO COMPENSATE FOR X-RAY MAGNIFICATION • PROFILES FOR GUIDANCE ONLY PLATES MAY BE AMENDED AT ANY TIME

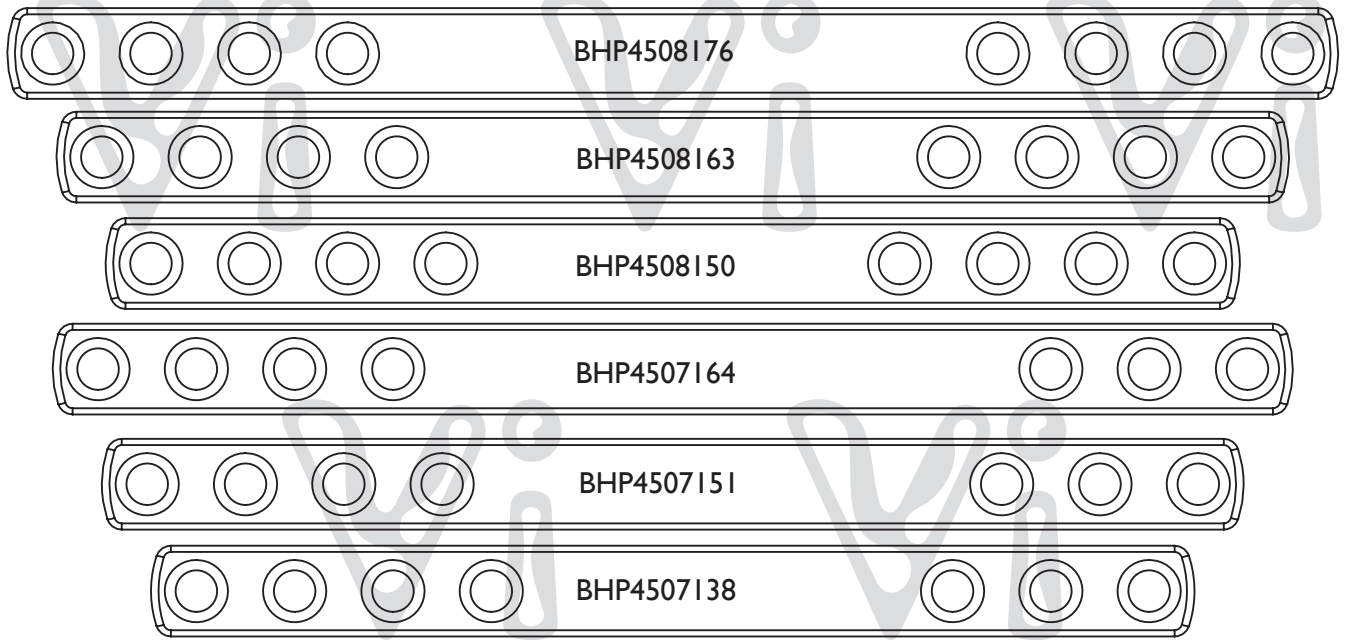


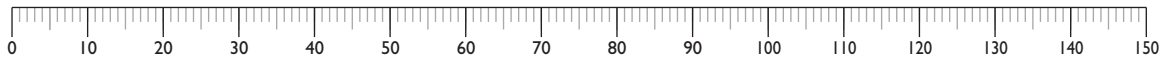
also available
B4517279, 17 holes, 279mm long
B4518295, 18 holes, 295mm long

Broad 4.5mm Compression Plates

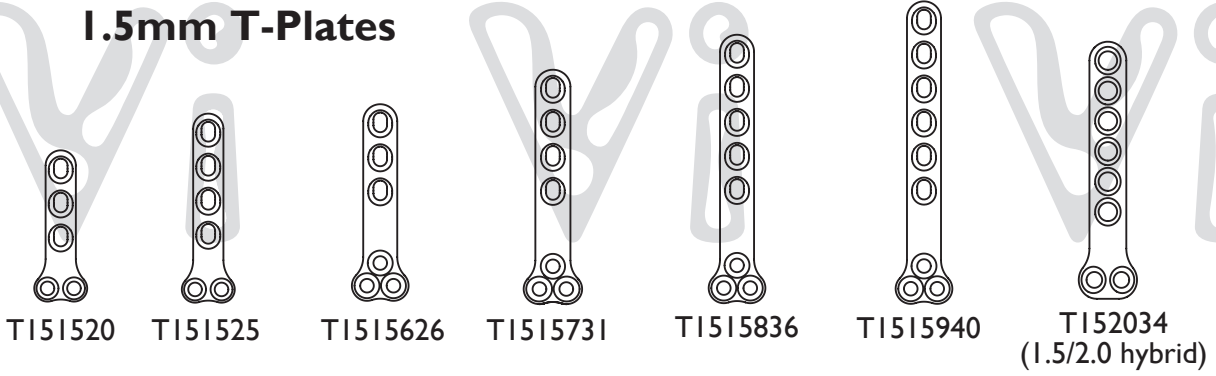


4.5mm Biological Healing Plates

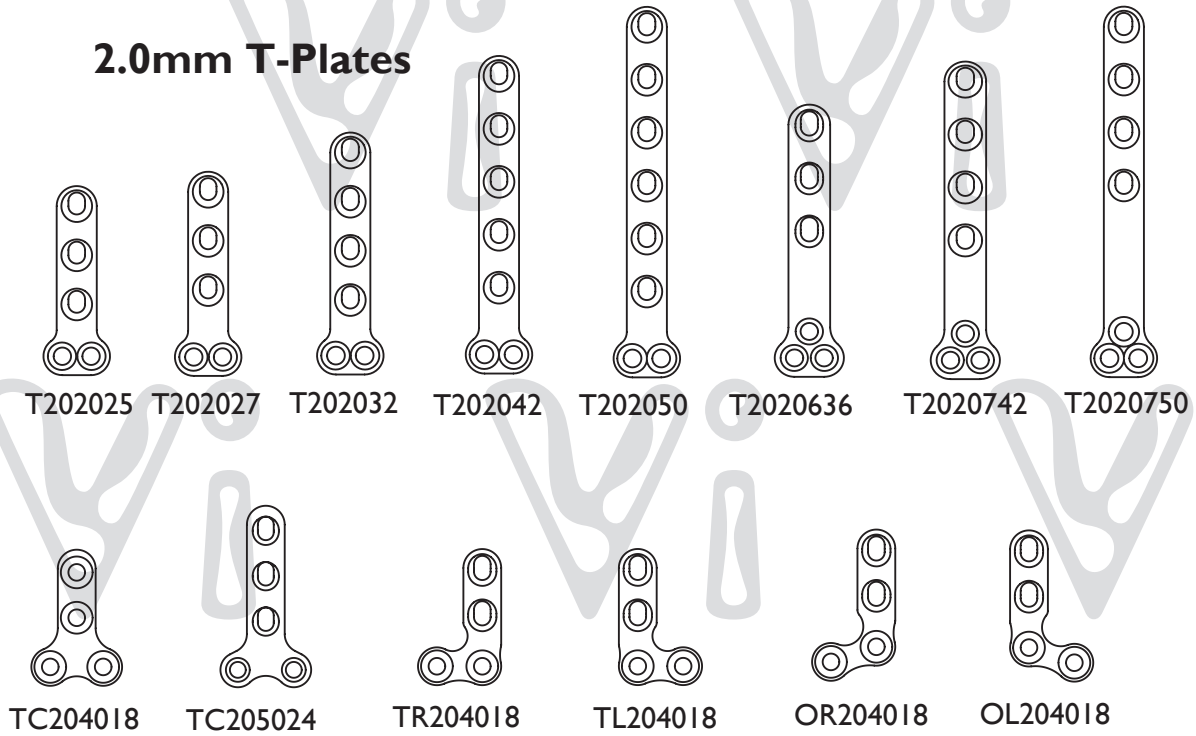




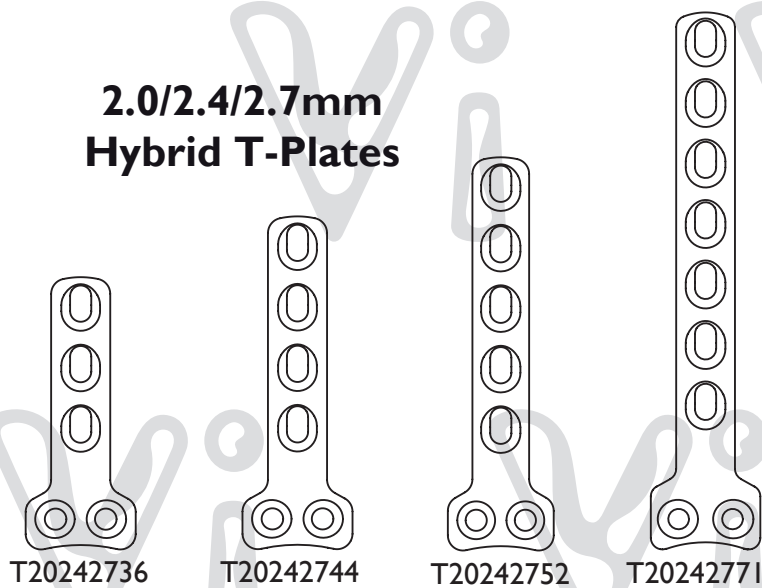
1.5mm T-Plates

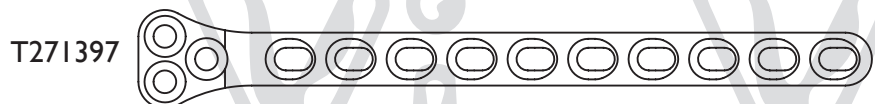
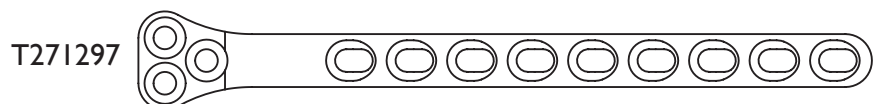
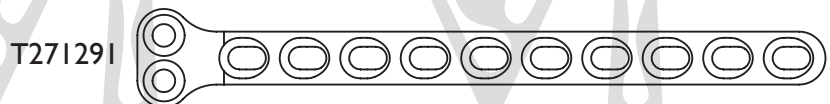
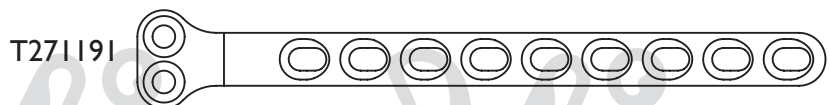
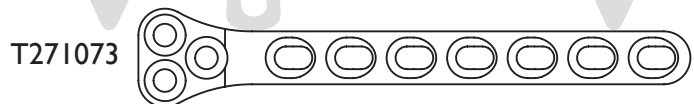
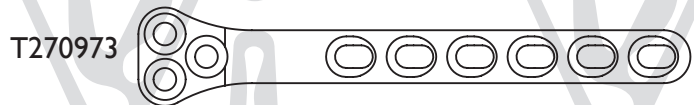
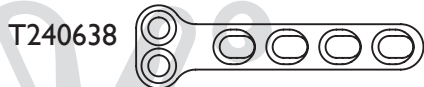
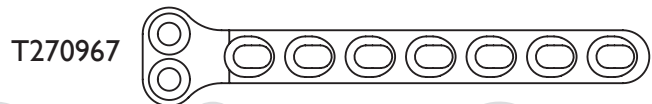
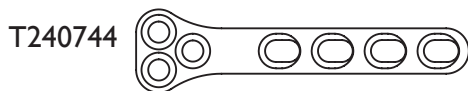
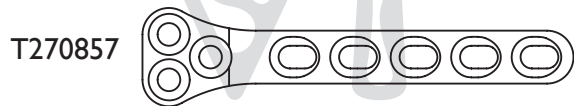
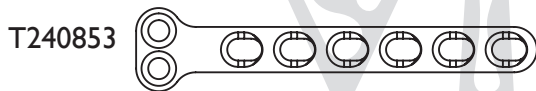
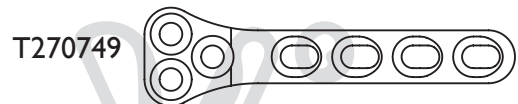
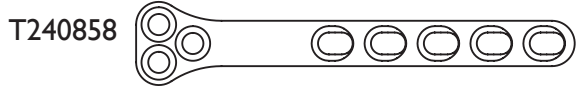
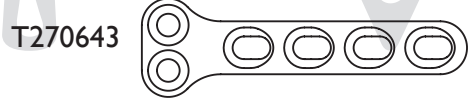
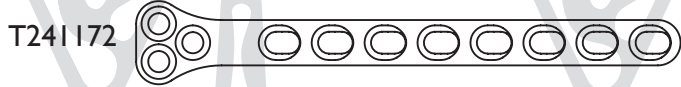
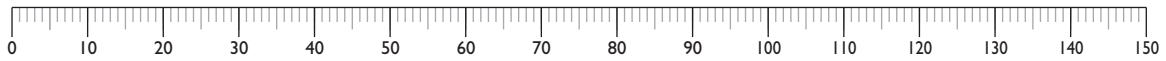


2.0mm T-Plates



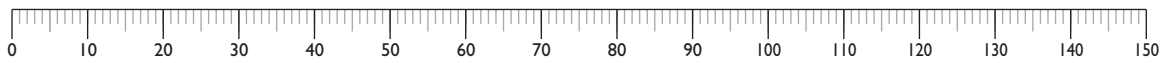
2.0/2.4/2.7mm Hybrid T-Plates



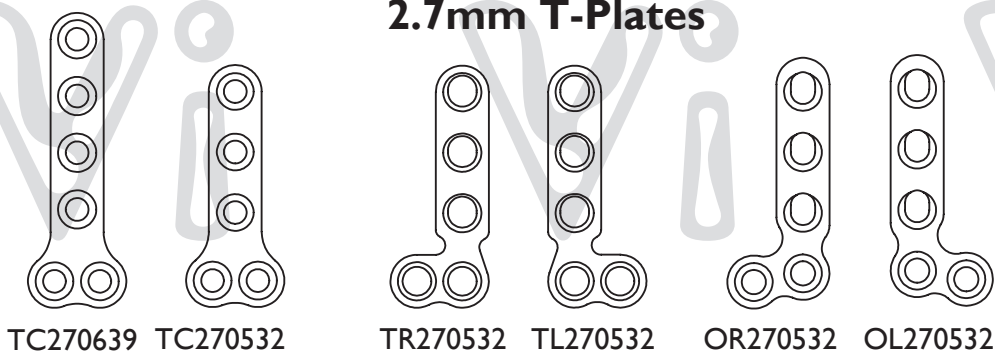


2.4mm and 2.7mm T-Plates

Tapered profile

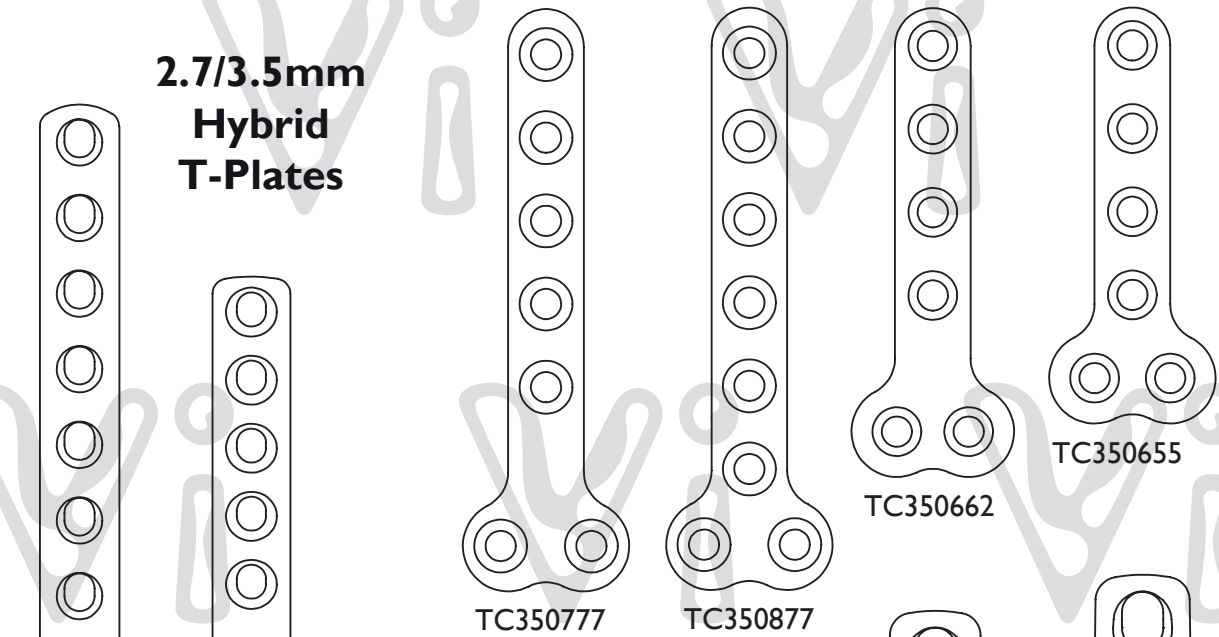


2.7mm T-Plates

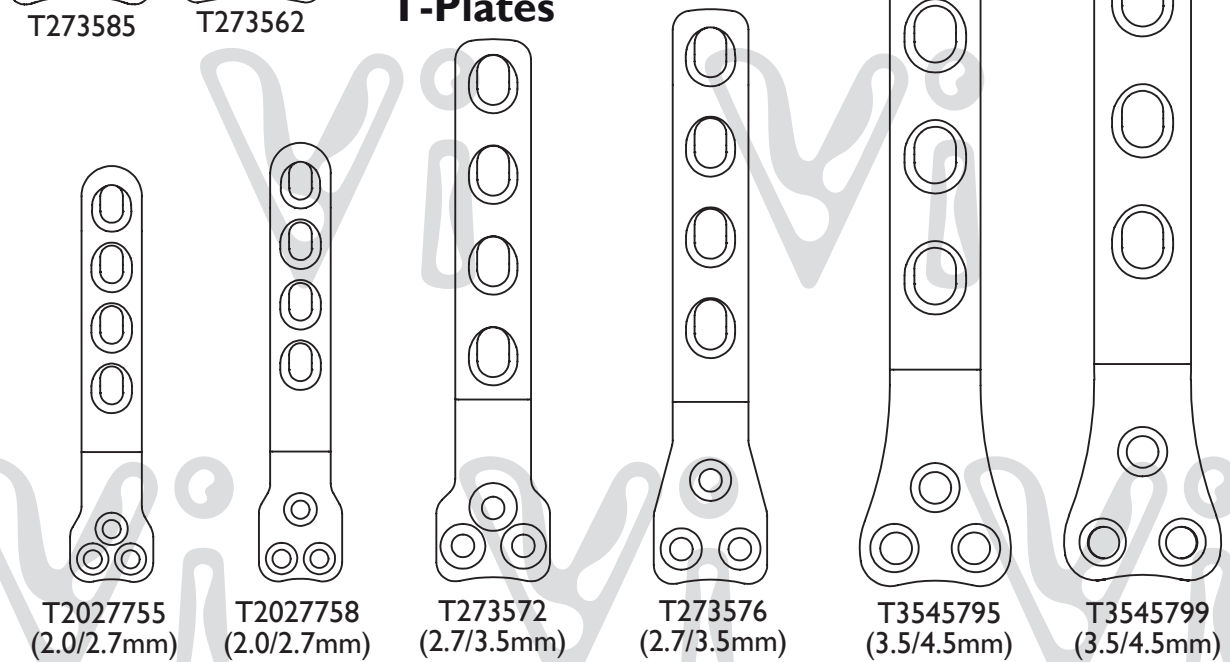


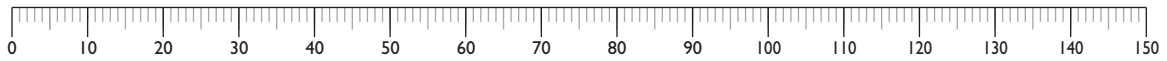
3.5mm T-Plates

2.7/3.5mm Hybrid T-Plates



Hybrid Anatomical T-Plates





2.0mm Locking T-Plates



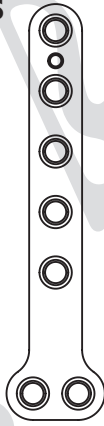
T2020850LOCK



T2020632LOCK



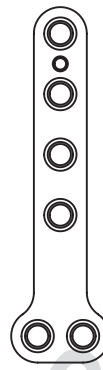
T2020532LOCK



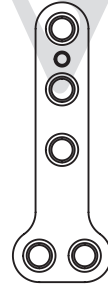
T2427755LOCK



T2427748LOCK

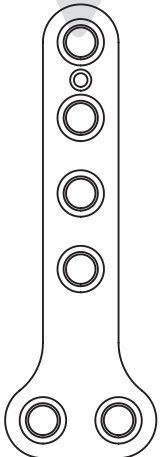


T2427647LOCK

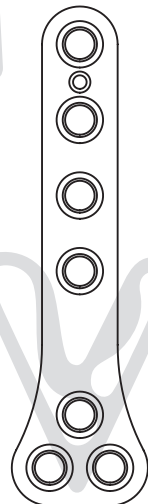


T2427537LOCK

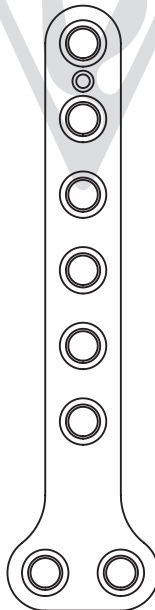
3.5mm Locking T-Plates



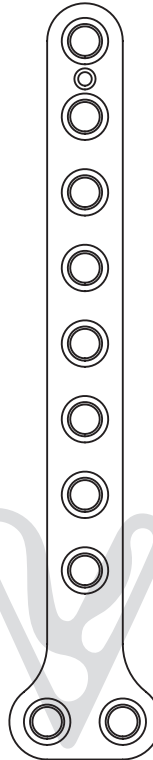
T350660LOCK



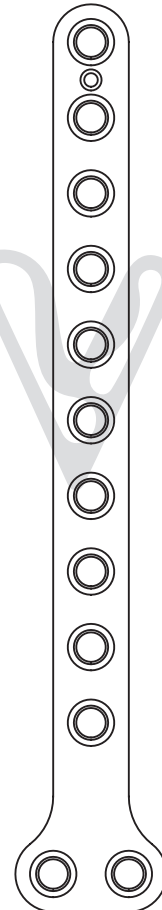
T350766LOCK



T350880LOCK

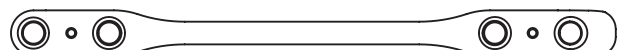


T3510100LOCK

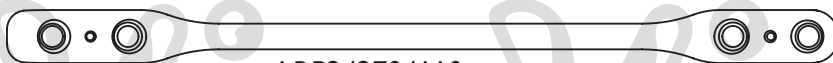


T3512120LOCK

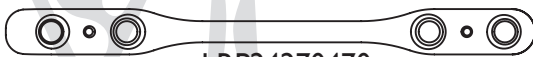
LokRod™ Plates



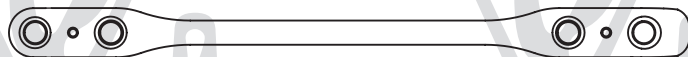
LRP24270480



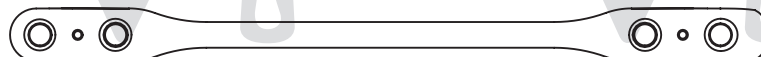
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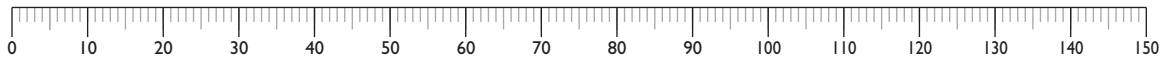
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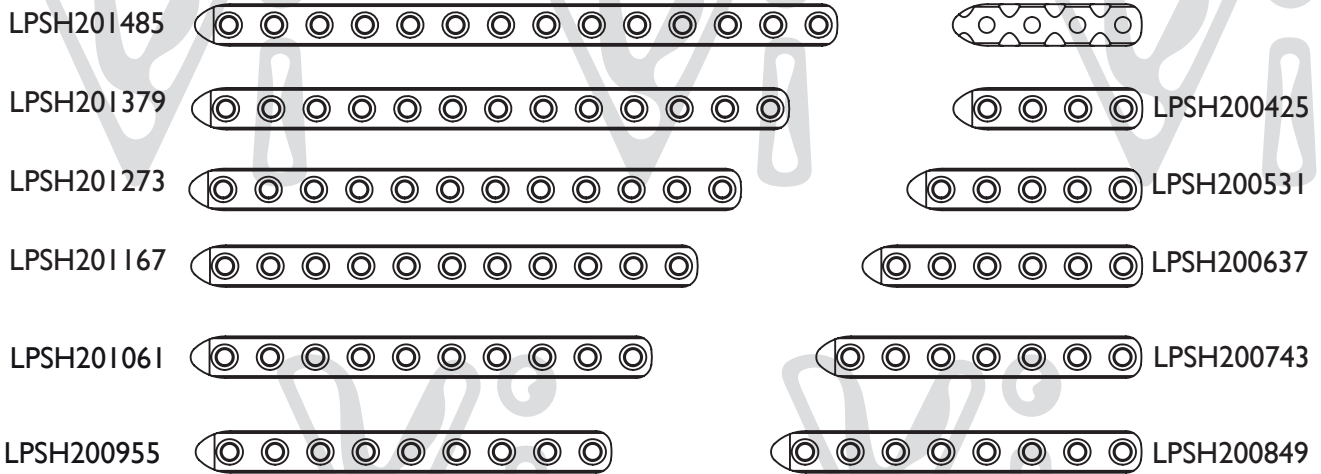
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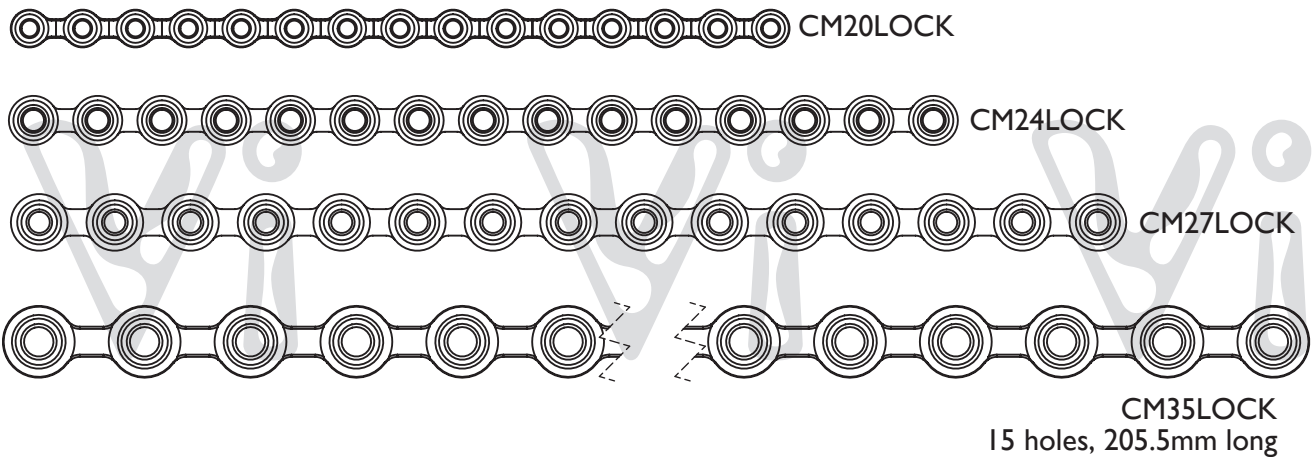
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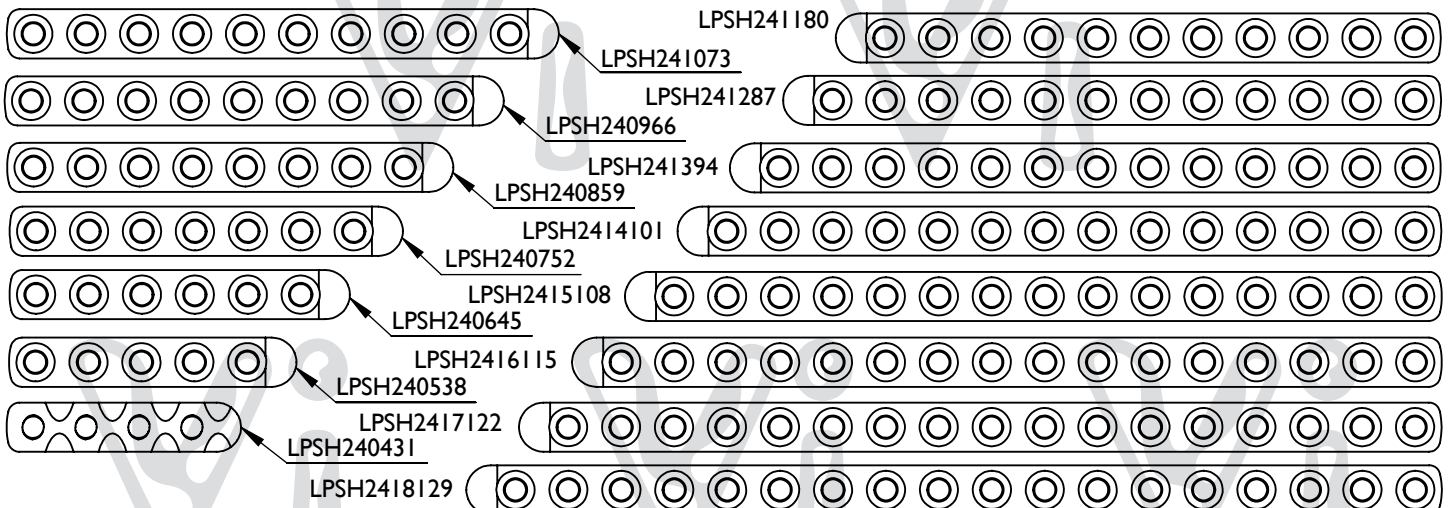
2.0mm Stacked Hole Locking Plates



Cuttable Malleable Locking Plates



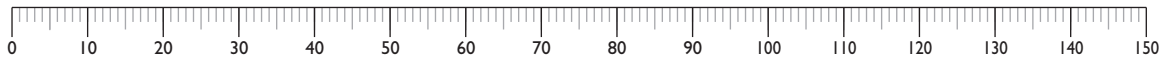
2.4mm Stacked Locking Hole Plates



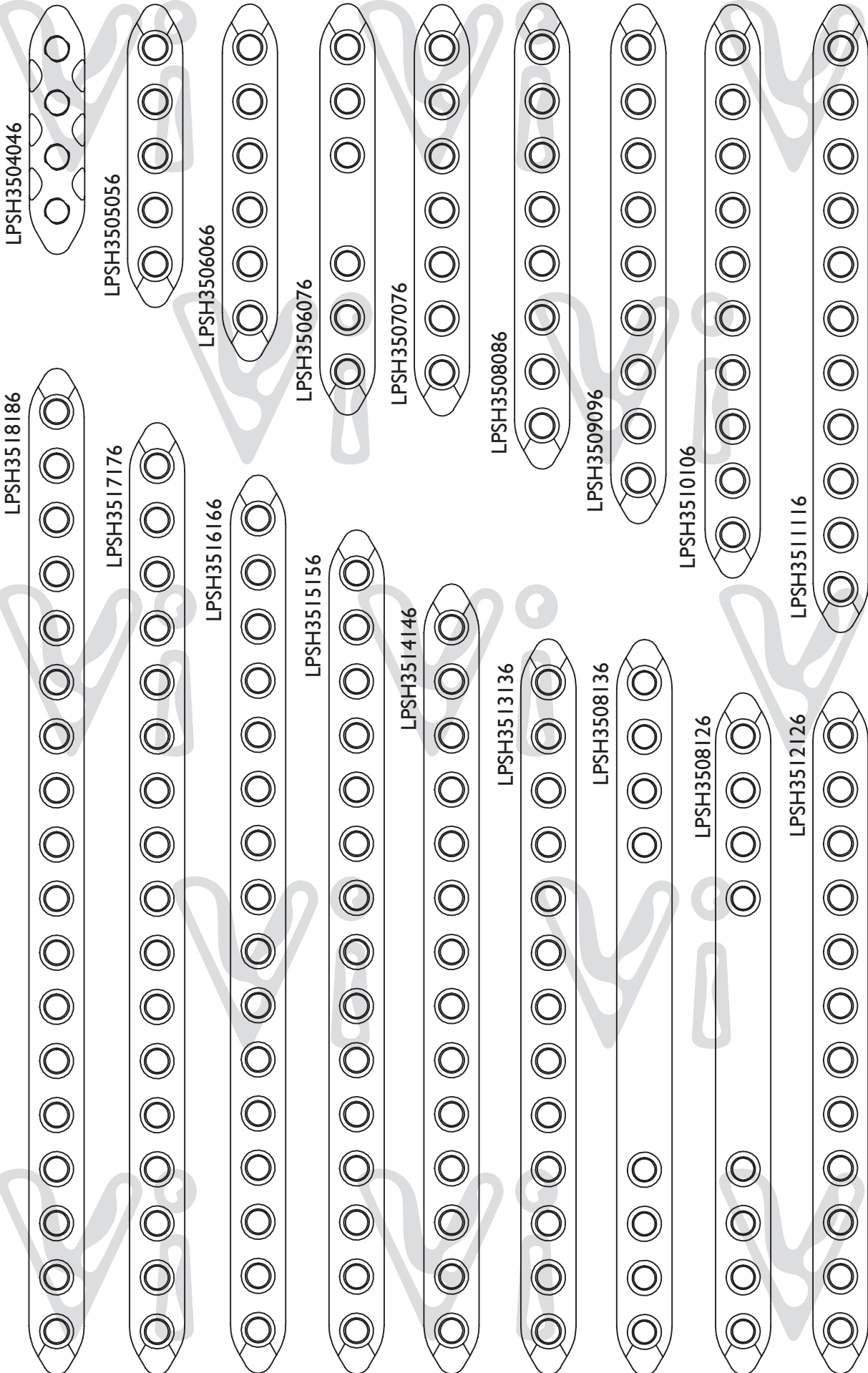


**2.7mm Stacked
Locking Hole
Plates**

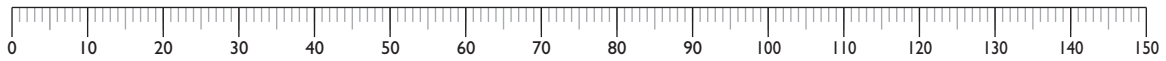




3.5mm Stacked Locking Hole Plates



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1.5mm Dynamic Locking Plates

2.0mm Dynamic Locking Plates



DLPI512072



DLPI511066



DLPI510060



DLPI509054



DLPI508048



DLPI507042



DLPI506036



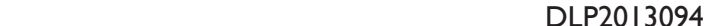
DLPI505030



DLPI504024



DLP2014101



DLP2013094



DLP201287



DLP2011080



DLP2010073



DLP2009066



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DLP2007052



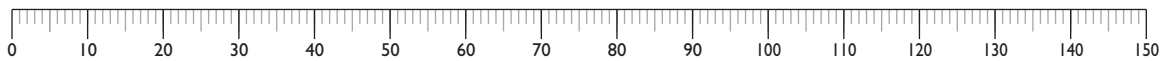
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DLP2005038



DL2004031



DLP2418164K



DLP2417155K



DLP2416146K



DLP2415137K



DLP2414128K



DLP2413119K

2.4mm Dynamic Locking Plates



DLP2412110K

DLP24xxxxxK = 2mm thick
DLP24xxxxxN = 1.7mm thick



DLP2411101K



DLP2404038N



DLP2410092K or ...N



DLP2405047N



DLP2409083K or ...N



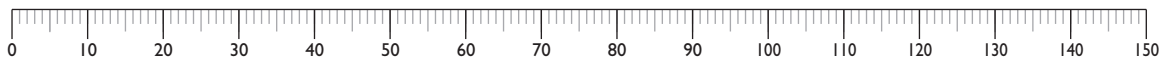
DLP2406056K or ...N



DLP2408074K or ...N



DLP2407065K or ...N



DLP2718164



DLP2717155



DLP2716146



DLP2715137



DLP2714128



DLP2713119



DLP2712110



**2.7mm
Dynamic
Locking
Plates**

DLP2711101



DLP2704038



DLP2710092



DLP2705047



DLP2709083



DLP2706056

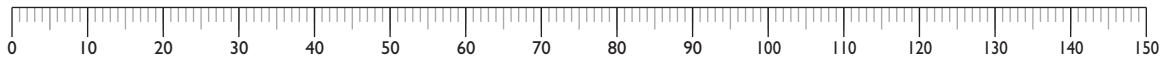


DLP2708074



DLP2707065





3.5mm Dynamic Locking Plates



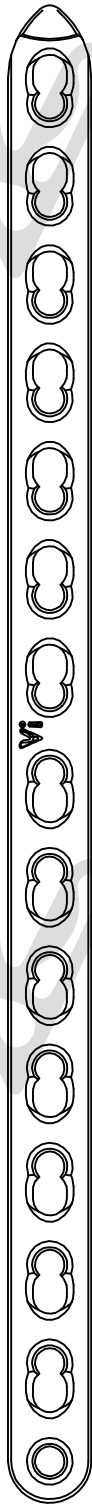
DLP3518237



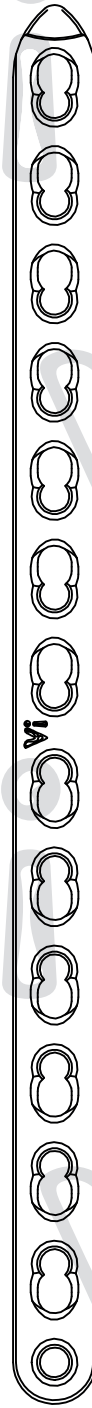
DLP3517224



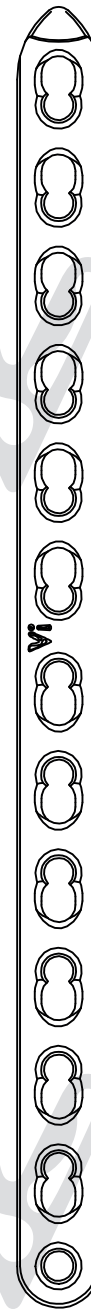
DLP3516211



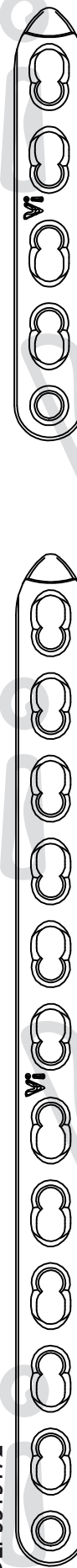
DLP3515198



DLP3514185



DLP3513172



DLP3504055



DLP3505068



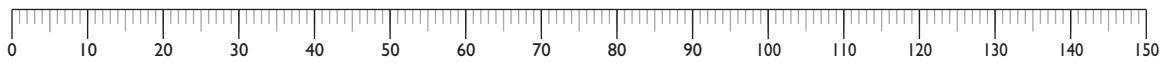
DLP3506081



DLP3507094



DLP3508107



Butterfly Plates

1.5mm



BTFP15414

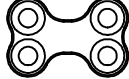


BTFP15415



BTFP15619

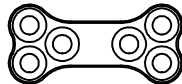
2.0mm



BTFP20416

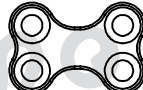


BTFP20417



BTFP20623

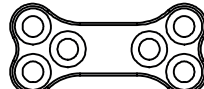
2.4mm



BTFP24418



BTFP24420



BTFP24626

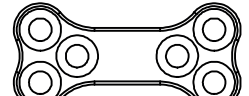
2.7mm



BTFP27421

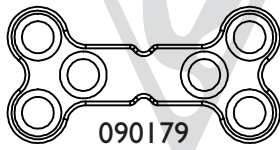


BTFP27425

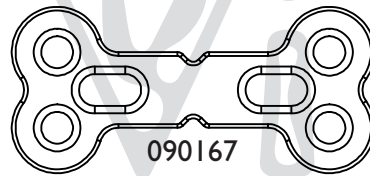


BTFP27630

TPO Plates



090179



090167

Acetabular Plates



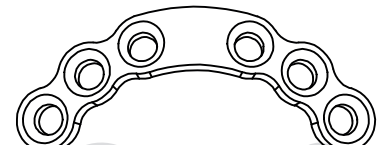
AP200400xs (2.0)



AP2004001L (2.0)



AP270603 (2.7)



AP350605 (3.5)



AP200400 (2.0)

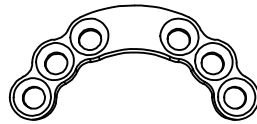


AP240406 (2.4)

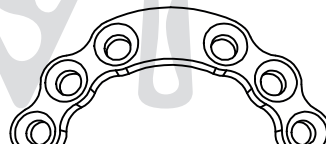
Contoured in 3 Dimensions



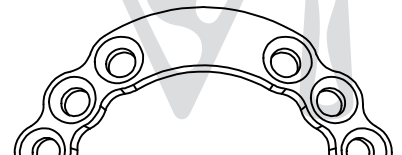
AP200401 (2.0)



AP270602 (2.7)



AP350604 (3.5)



AP350607 (3.5)

2.7mm

Reconstruction Plates

3.5mm

RC270756, RC270972, RC271188. Also available but not shown. RC3509106, RC3511130



RC271296



RC271080



RC270864

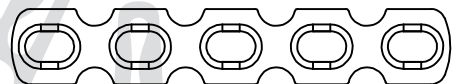


RC270648



RC270540

RC350558



RC350670



RC350782



RC350894

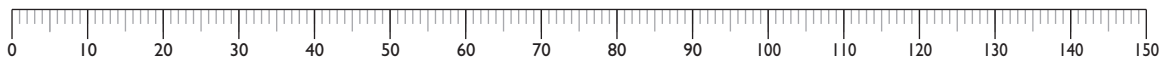


RC3510118

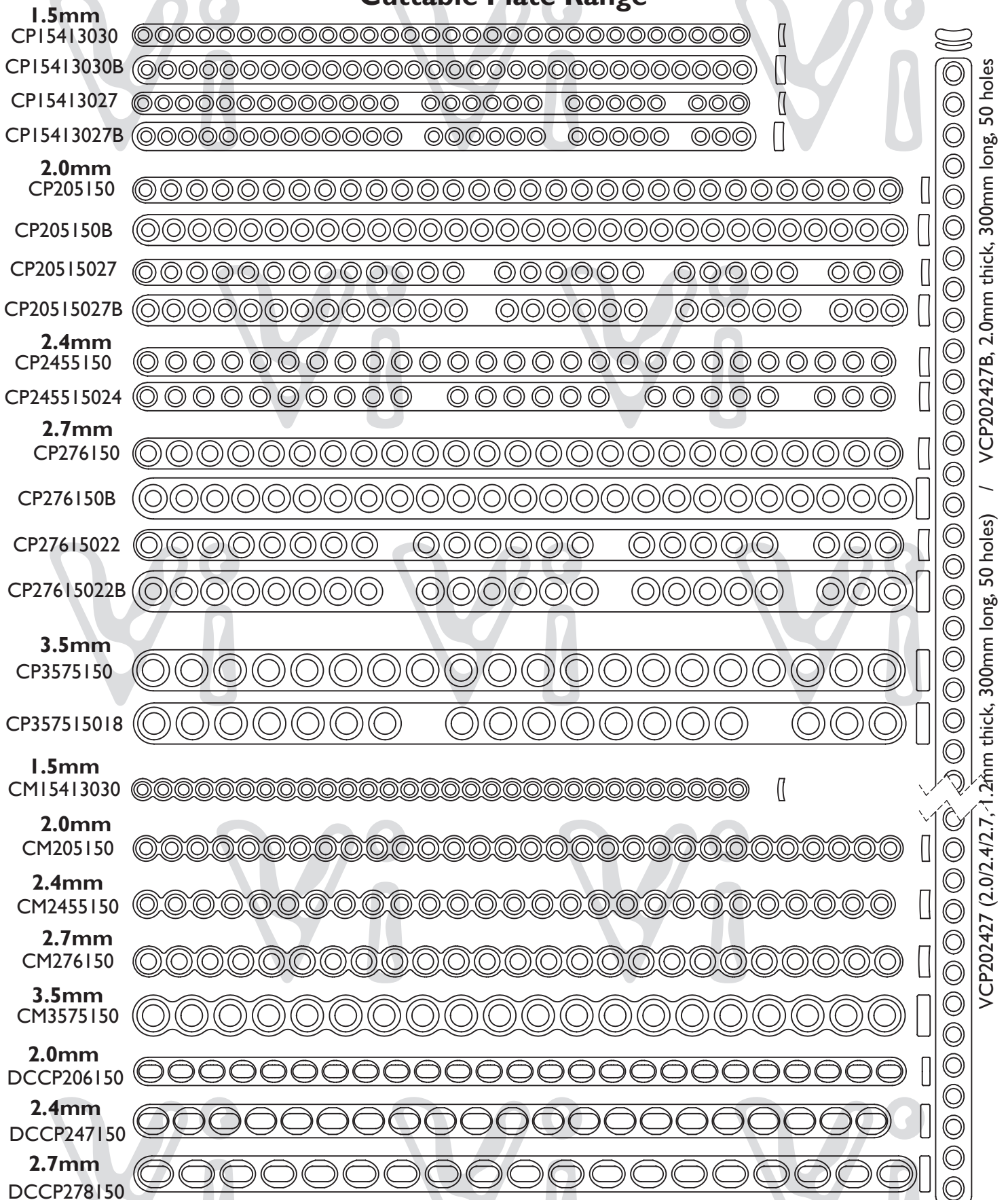


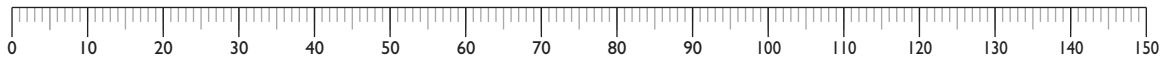
RC3512142





Cuttable Plate Range





I.0mm Series

CI00210

CI00314

CI00418

CI00522

CI00626

CI00730

CI00834

CI00938

CI01042

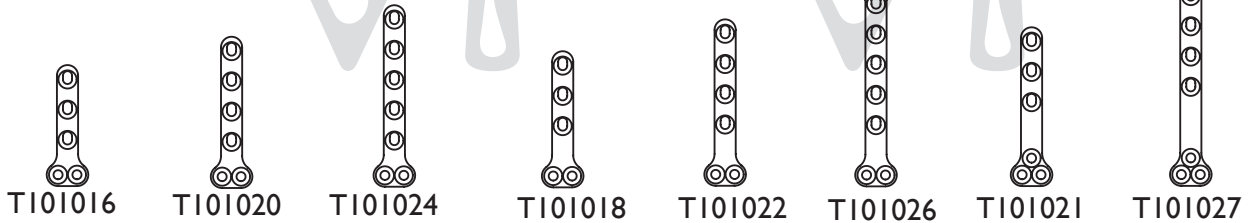
CM10390

CP10390

CP1039027

CP10491

CP1049120



Intertarsal Arthrodesis

I52925 (2.7/3.5)

I52921 (2.7/3.5)

I52922 (2.7/2.7)

I52920 (2.0/2.7)

I52920SC (2.0/2.7)

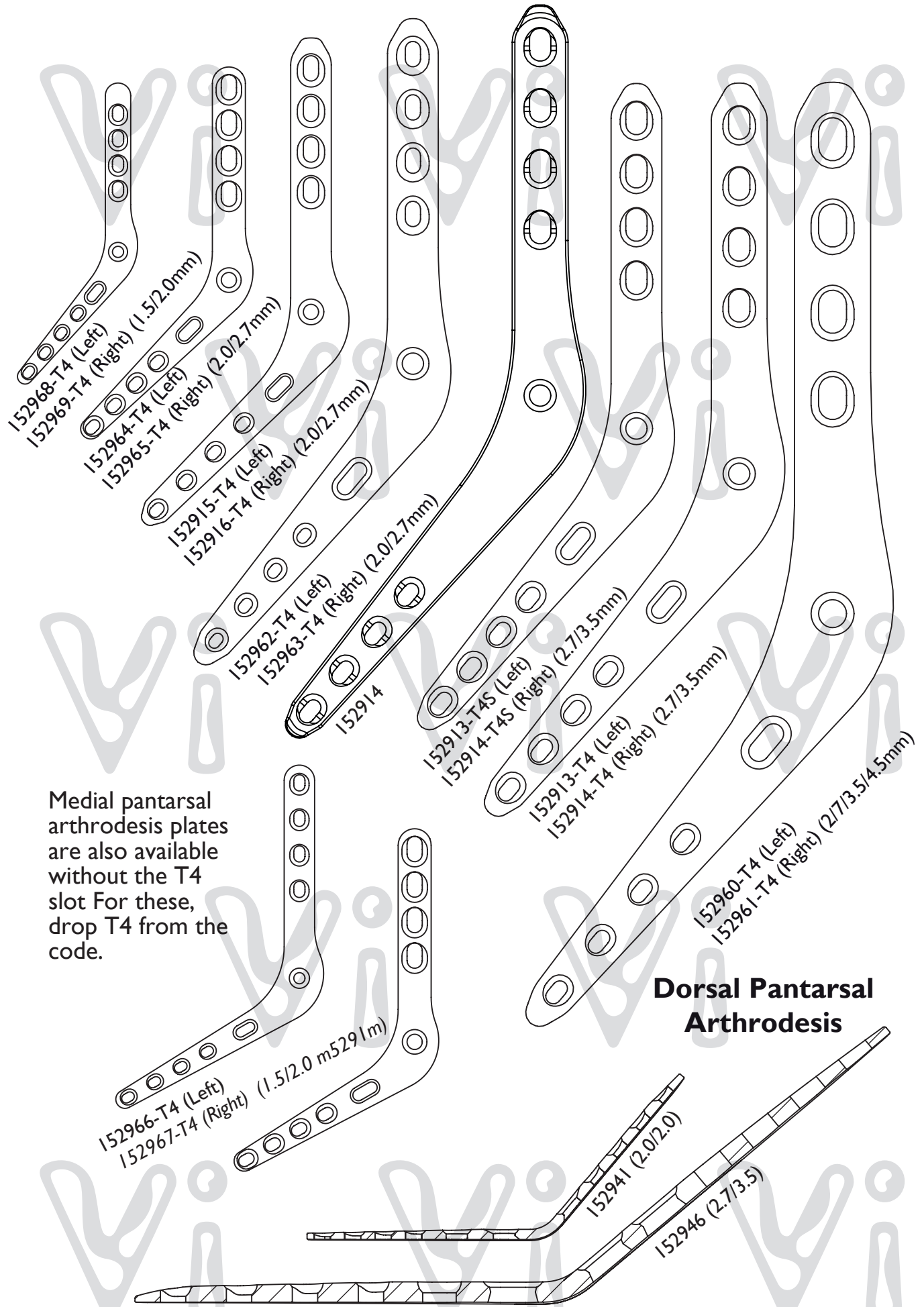
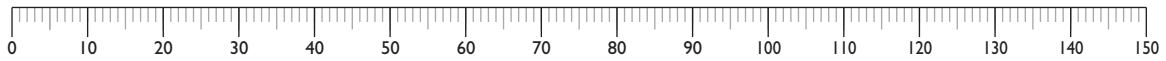
I52923 (2.0/2.0)

I52924 (1.5/2.0)

**Elbow
Arthrodesis**

Locking version
also available.

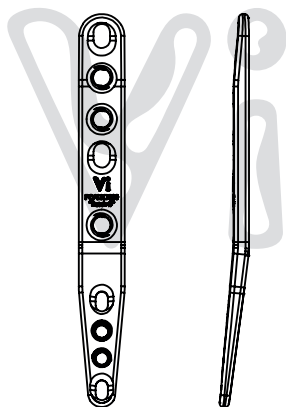
I52950 (2.7/3.5) RIGHT
I52951 (2.7/3.5) LEFT



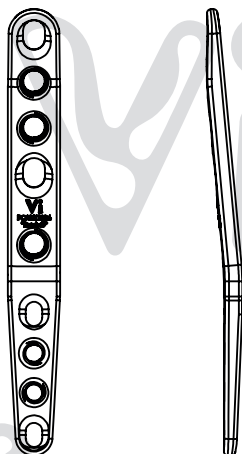
Medial pantarsal arthrodesis plates are also available without the T4 slot For these, drop T4 from the code.



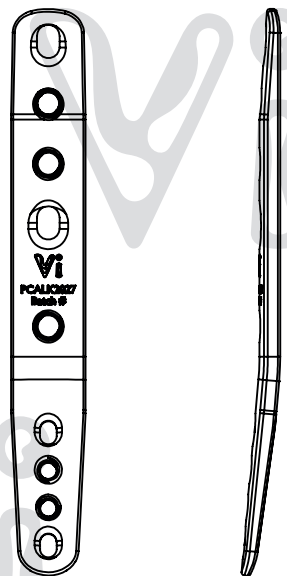
Locking Pancarpal Arthrodesis Plates



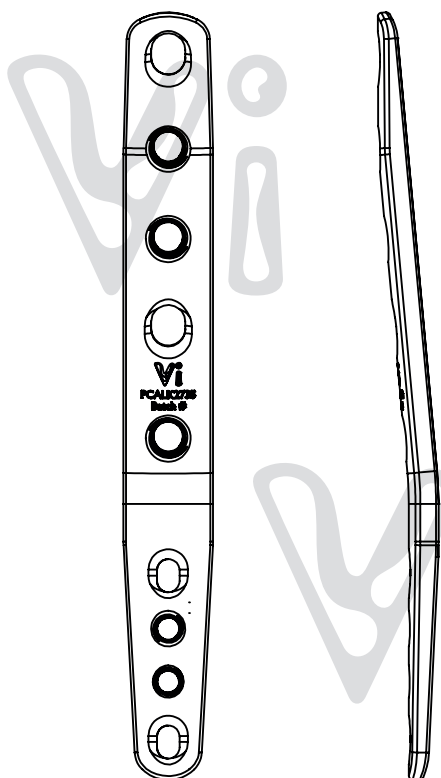
PCALK1520



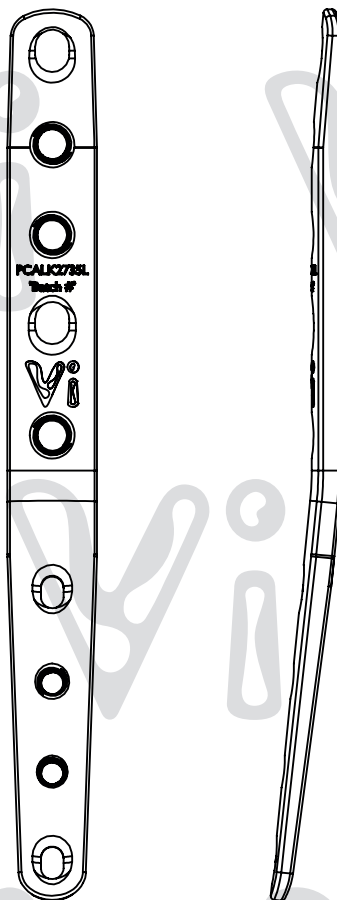
PCALK2024



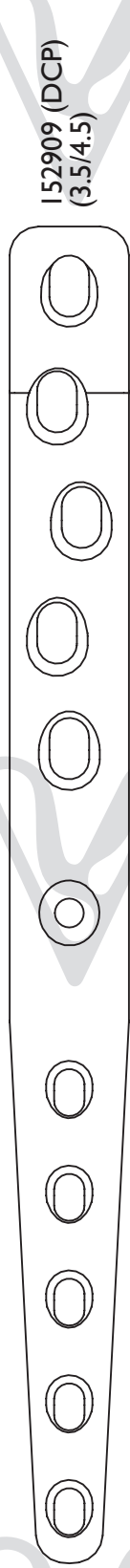
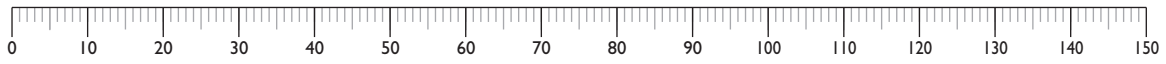
PCALK2027



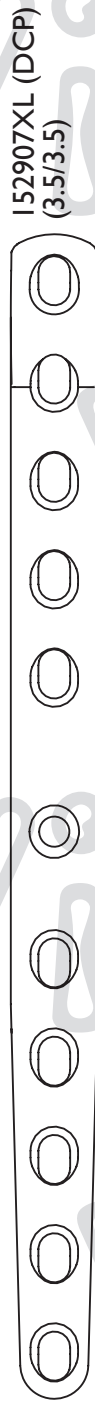
PCALK2735



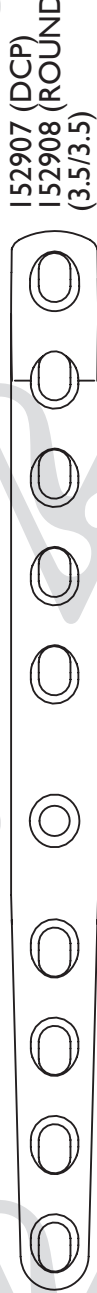
PCALK2735L



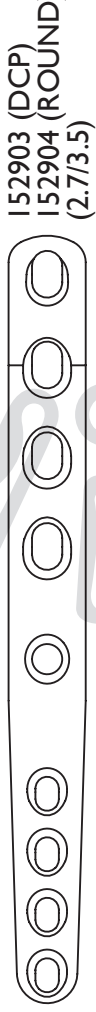
152909 (DCP)
(3.5/4.5)



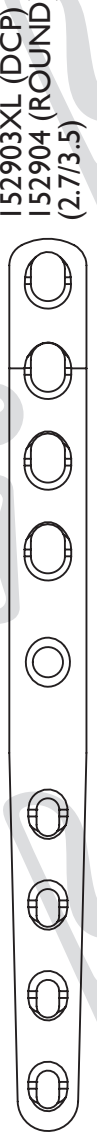
152907XL (DCP)
(3.5/3.5)



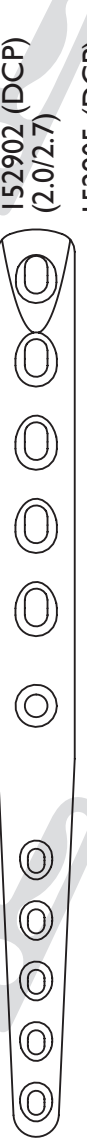
152907 (DCP)
152908 (ROUND)
(3.5/3.5)



152903 (DCP)
152904 (ROUND)
(2.7/3.5)



152903XL (DCP)
152904 (ROUND)
(2.7/3.5)



152902 (DCP)
(2.0/2.7)



152905 (DCP)
ROUND 152906
(2.0/2.7)



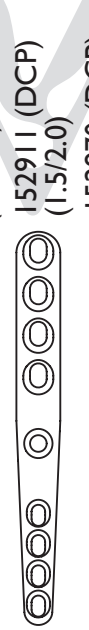
152905XL (DCP)
(2.0/2.7)



152912XL (DCP)
(2.0/2.0)



152911XL (DCP)
(1.5/2.0)



152912 (DCP)
(2.0/2.0)



152911 (DCP)
(1.5/2.0)

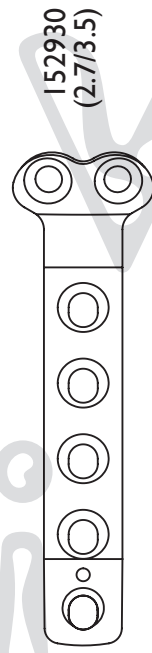


152970 (DCP)
(1.0/1.5)

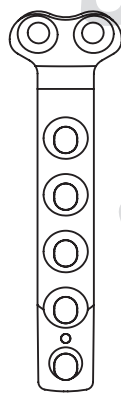
Locking versions of select pancarpal arthrodesis plates are available.

Pancarpal Arthrodesis Plates

Partial Carpal Arthrodesis Plates

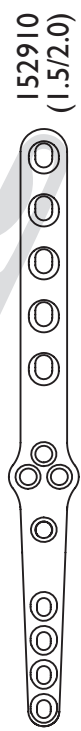


152930
(2.7/3.5)

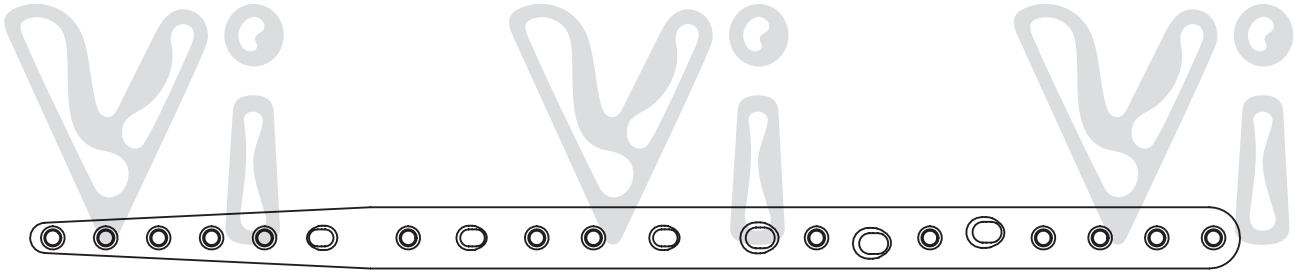
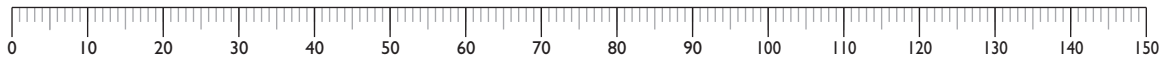


152932
(1.5/2.0)

Feline Forelimb Salvage Plate



152910
(1.5/2.0)

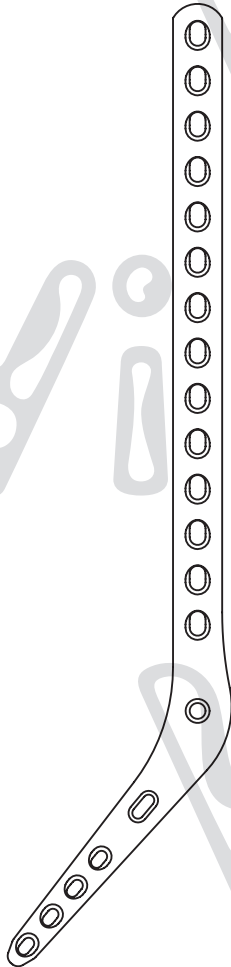


I52980 (3.5 locking/2.7/3.5/4.5) NOTE: Scale 1:2

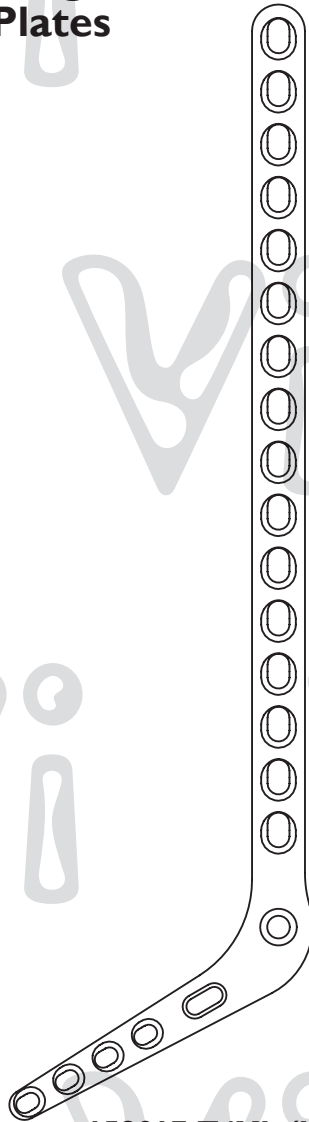


I52903XXL (2.7/3.5) NOTE: Scale 1:2

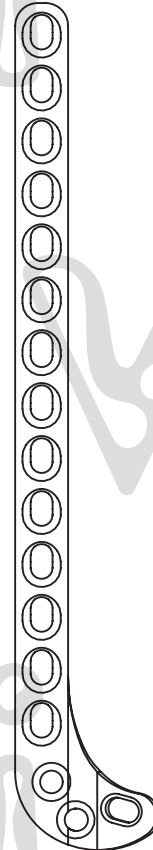
Longer Plates



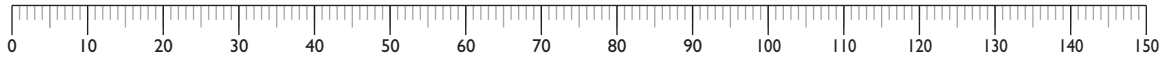
**I52913-T4XL (Left)
I52914-T4XL
(Right) 2.7/3.5mm
NOTE: Scale 1:2**



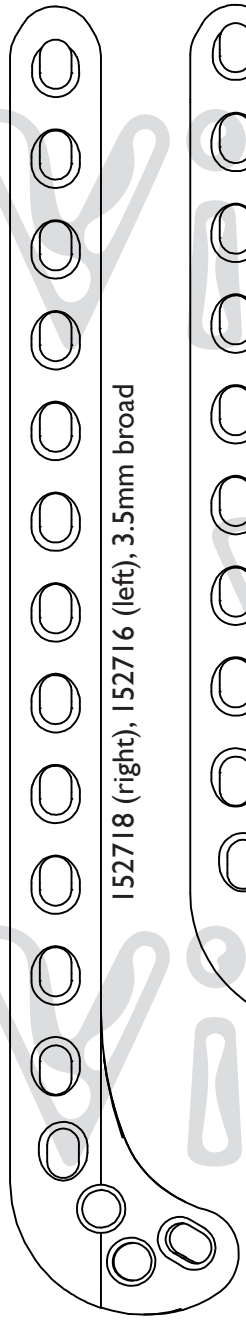
**I52917-T4XL (Left)
I52918-T4XL
(Right) 2.0/2.7mm
NOTE: Scale 1:1**



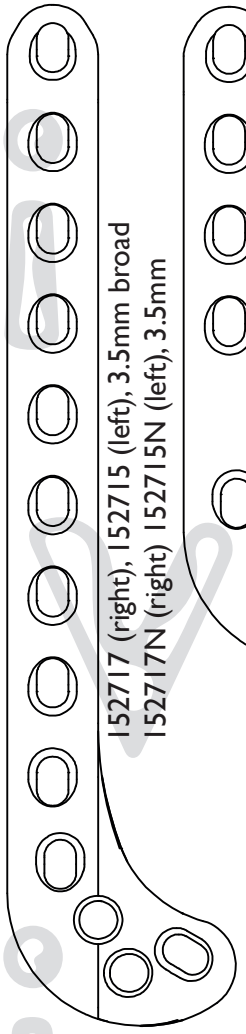
**I52711L-XL (Left)
I52711R-XL
(Right) 2.4mm
NOTE: Scale 1:1**



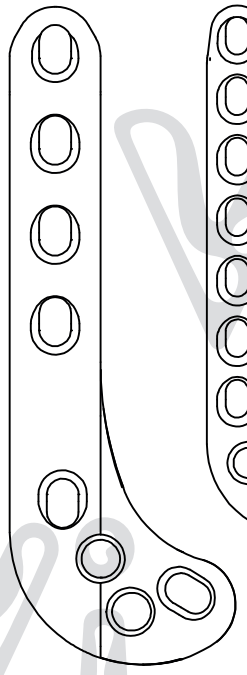
Supra-Condylar Plates (SCPs) & Supra-Condylar Osteotomy Plates (SCOP): for lateral application



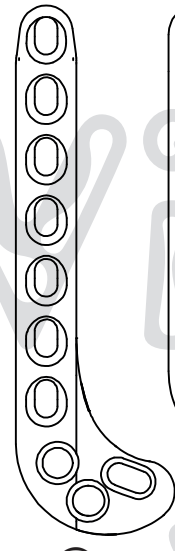
152718 (right), 152716 (left), 3.5mm broad



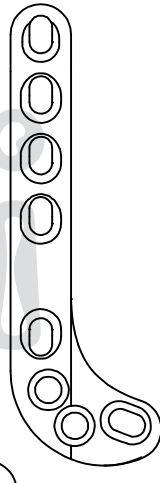
152717 (right), 152715 (left), 3.5mm broad
152717N (right) 152715N (left), 3.5mm



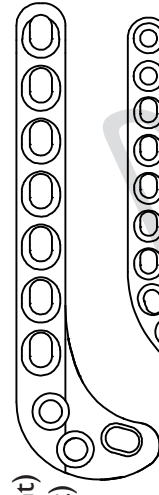
152620 (right), 152625 (left), 3.5mm broad
152610 (right), 152615 (left), 3.5mm



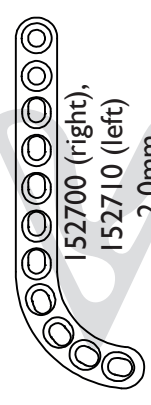
152714 (right)
152712 (left)
2.7mm



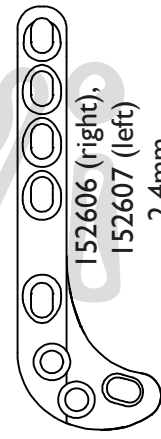
152600 (right)
152605 (left)
2.7mm



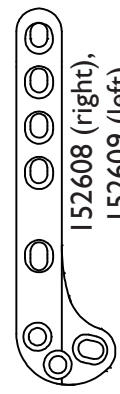
152711R (right)
152711L (left)
2.4mm



152700 (right),
152710 (left)
2.0mm



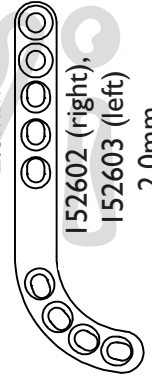
152606 (right),
152607 (left)
2.4mm



152608 (right),
152609 (left)
2.0mm



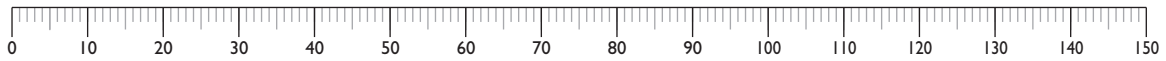
152612 (right),
152613 (left)
2.0mm



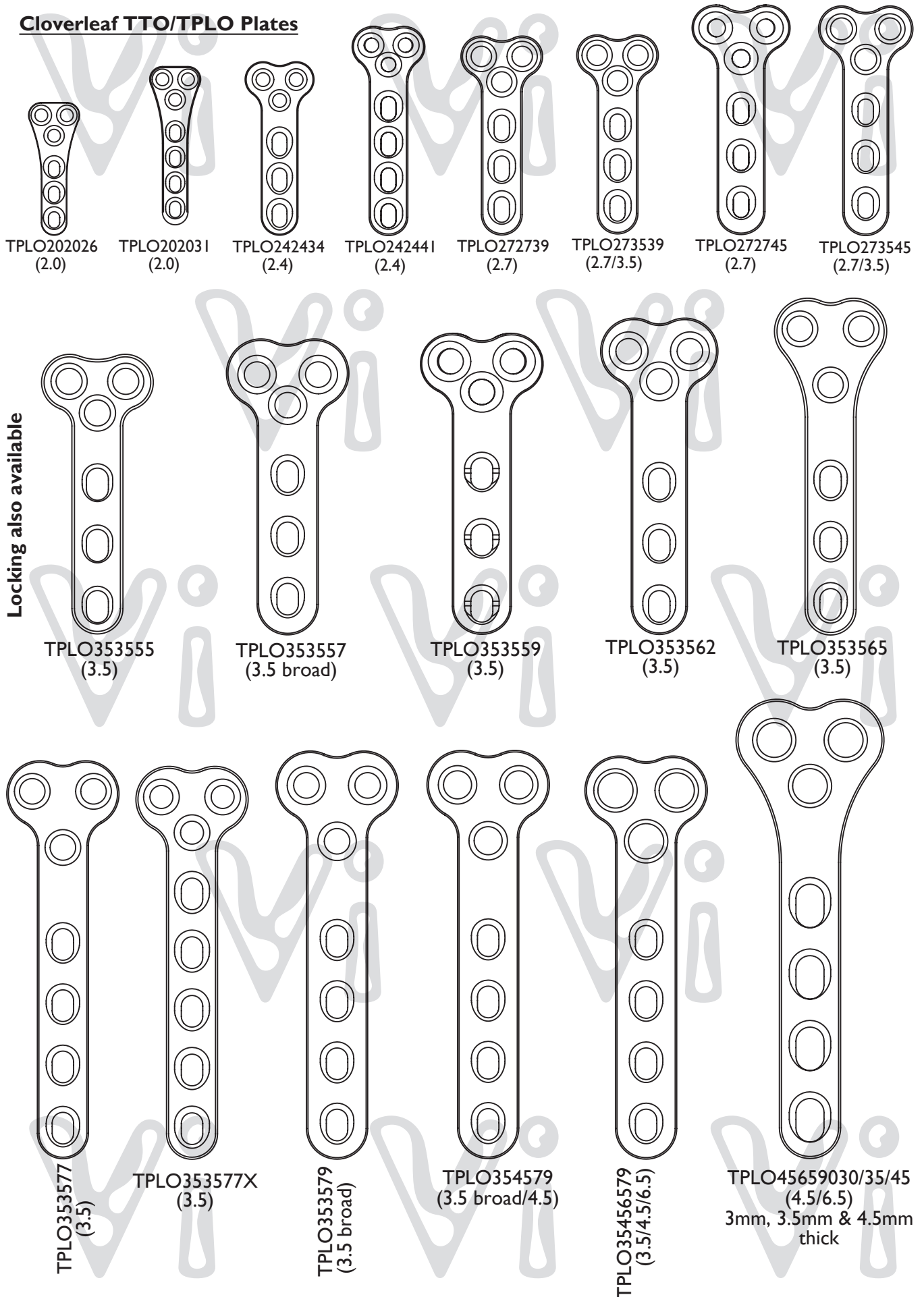
152602 (right),
152603 (left)
2.0mm

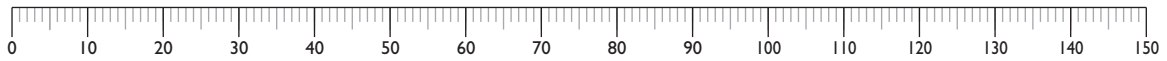


152700XL (right), 152710XL, 2.0mm

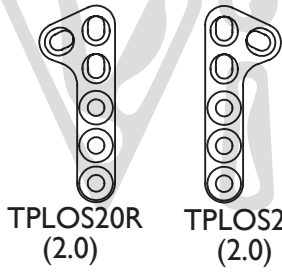


Cloverleaf TTO/TPLO Plates



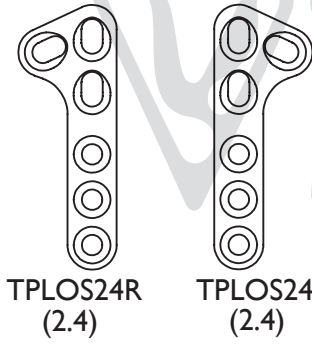


Slocum Style TPLO Plates



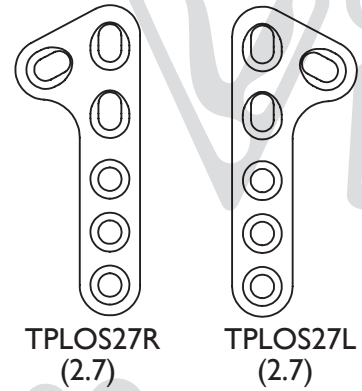
TPLOS20R
(2.0)

TPLOS20L
(2.0)



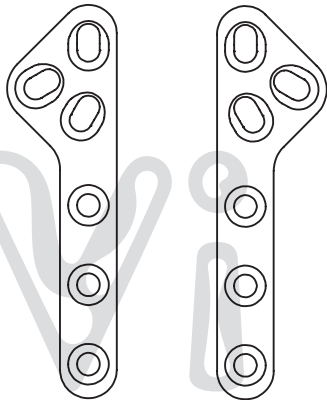
TPLOS24R
(2.4)

TPLOS24L
(2.4)



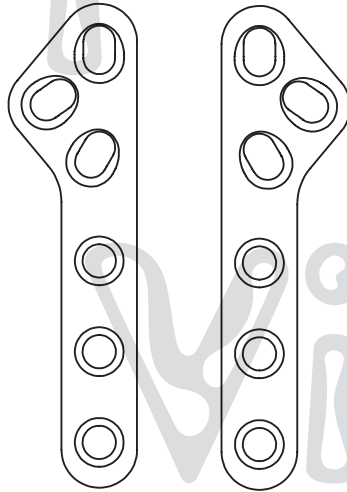
TPLOS27R
(2.7)

TPLOS27L
(2.7)



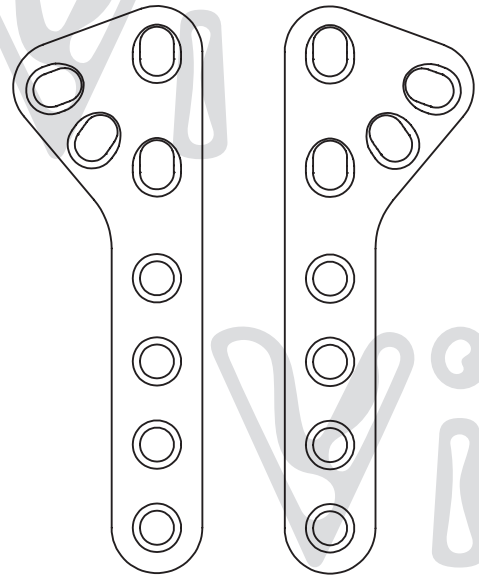
TPLOS27BRR
(2.7 broad)

TPLOS27BRL
(2.7 broad)



TPLOS35R
(3.5)

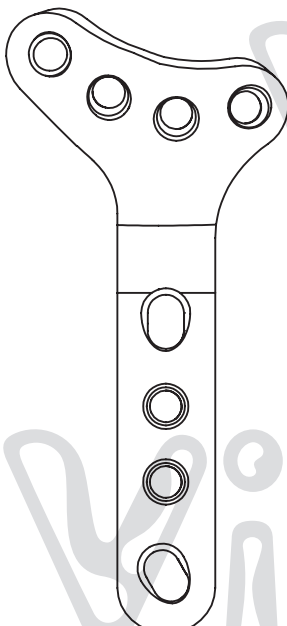
TPLOS35L
(3.5)



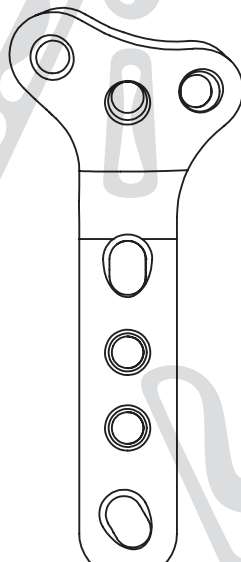
TPLOS35BRR
(3.5 broad)

TPLOS35BRL
(3.5 broad)

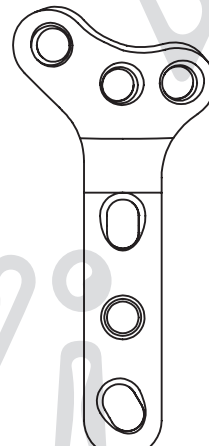
Locking TPLO Plates



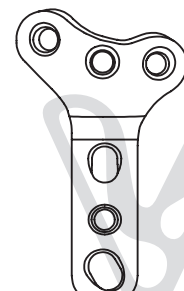
TPLO35BLPCR
(3.5 broad)



TPLO35MLPCR
(3.5)

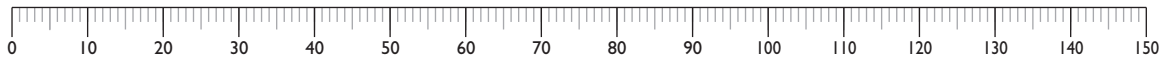


TPLO35LPCR
(3.5)

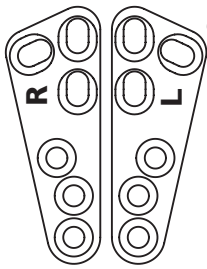


TPLO27LPCR
(2.7)

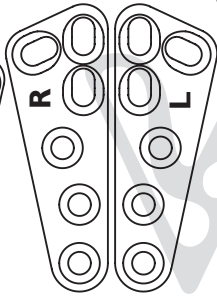
Replace the
final R with
L for left
sided plates



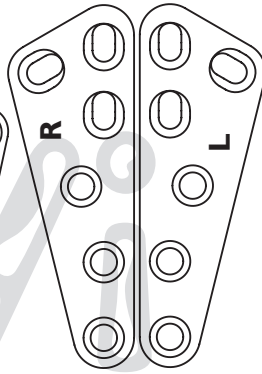
Delta TPLO Plates



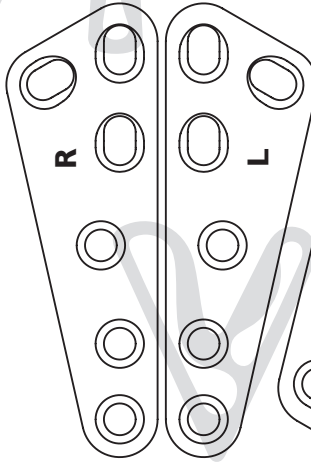
TPLODEL24R
TPLODEL24L
(2.4mm)



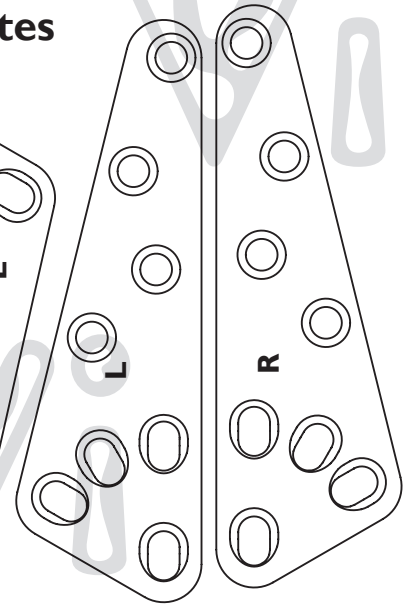
TPLODEL27R
TPLODEL27L
(2.7mm)



TPLODEL27BR
TPLODEL27BL
(2.7mm broad)



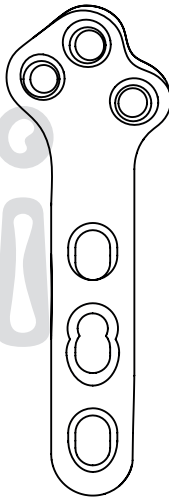
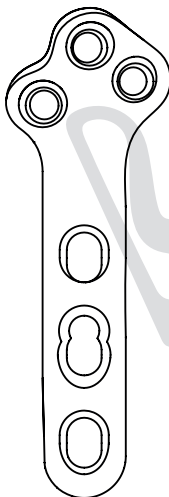
TPLODEL35R
TPLODEL35L
(3.5mm)



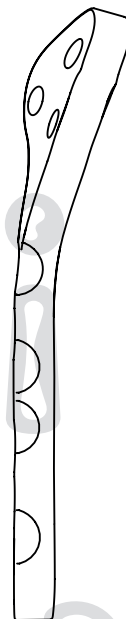
TPLODEL35BR
TPLODEL35BL
(3.5mm broad)



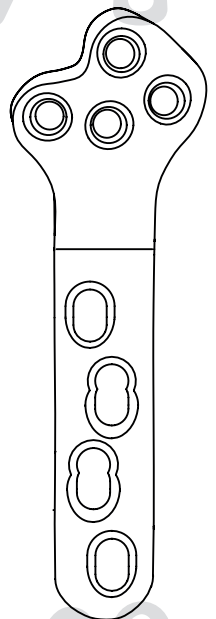
ViLTPLO35L3
plate profile

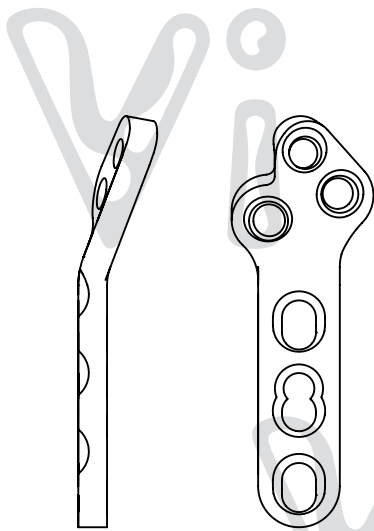
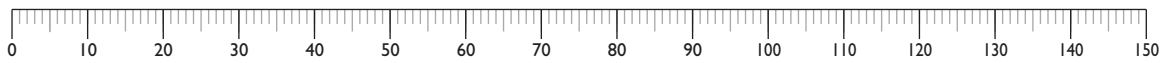


ViLTPLO35R3
plate profile

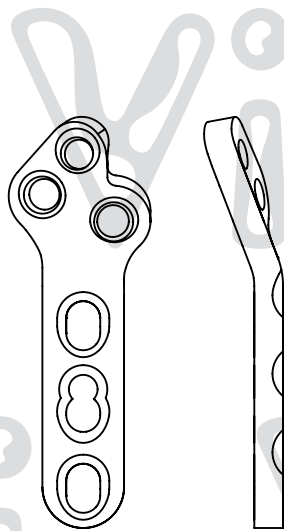


ViLTPLO35BL4
plate profile

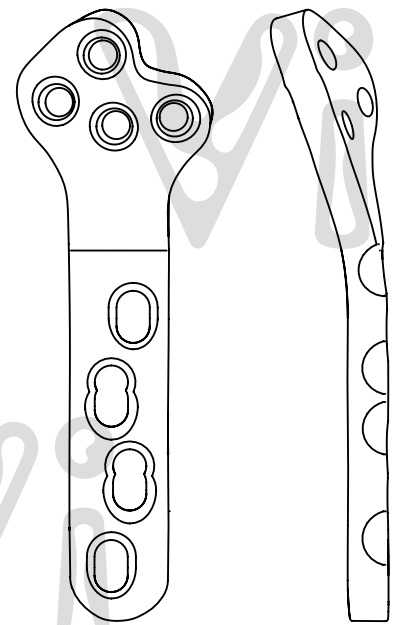




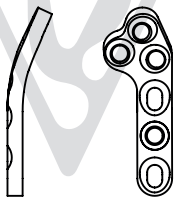
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plate profile



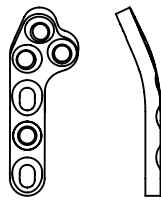
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plate profile



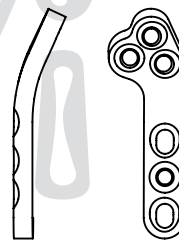
ViLTPLO35BR4
plate profile



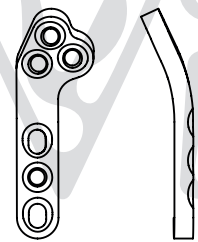
ViLTPLO15L3
plate profile



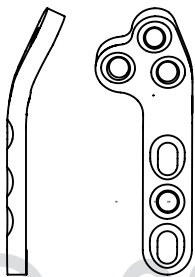
ViLTPLO15R3
plate profile



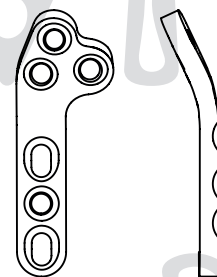
ViLTPLO20L3
plate profile



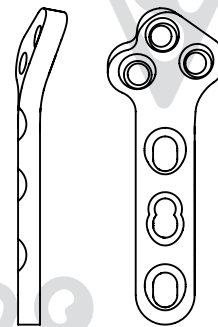
ViLTPLO20R3
plate profile



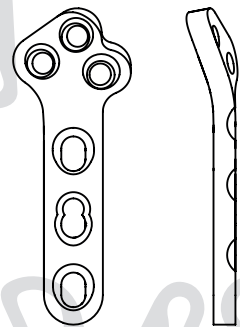
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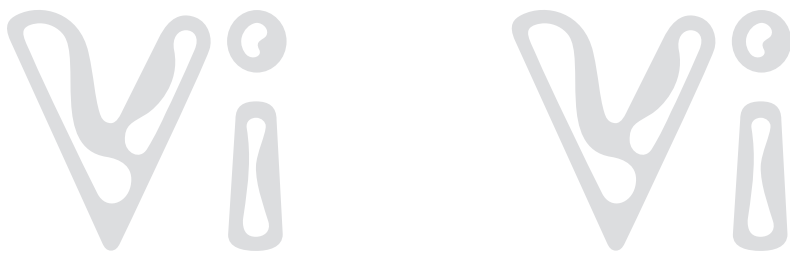
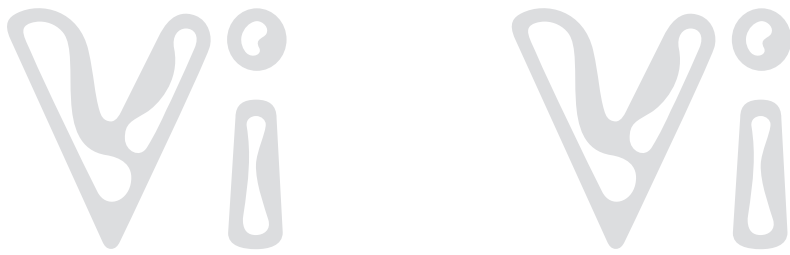
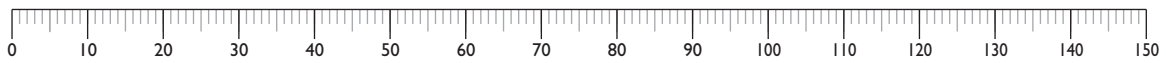
ViLTPLO24R3
plate profile



ViLTPLO27L3
plate profile



ViLTPLO27R3
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Veterinary Instrumentation

Distington House, 26 Atlas Way, Sheffield, UK, S4 7QQ

t: +44 (0)114 258 8530

e: info@vetinst.com

www.vetinst.com



[@Veterinary Instrumentation](https://www.instagram.com/veterinaryinstrumentation)