Veterinary Instrumentation Partnership Programme

*Generate Measurable Rewards To Innovate Your Practice*

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

Through discussions with a number of veterinary professionals, many wanted to be part of a loyalty scheme but their providers did not facilitate one. Our solution? The introduction of the Vi Partnership Programme (ViPP).

Practices, through a partnership approach, are rewarded for every investment made in Vi branded products and services, with bespoke benefits delivered throughout the programme.

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

- **Additional discounts** across the entire Vi branded range
- **Annual credit rebates**
- **Business support meetings** with your dedicated Territory Account Manager to assist in making your practice as profitable as possible
- **Free exhibition & conference passes**
- **Access to training resources**, including access to our **new E-Learning platform & Surgery Guides**

**What Next?**

To discuss how the Veterinary Instrumentation Partnership Programme could benefit you and your Practice, please email info@vetinst.com
Training & Education Support Programmes

**E-Learning Platform**

Our new e-learning platform from Vi delivers a variety of technical and clinical educational material, in an engaging and interactive format.

Whether you are a Vet, a Vet Nurse, a Student Vet Nurse or an Animal Care Auxiliary, you should find modules that are clinically relevant to you.

And with a CPD certificate awarded upon successful completion of each module, the new e-learning platform from Vi will help you to fulfil your annual CPD requirements, at the click of a button and from the comfort of your own home, or workplace.

New content and modules are being added on a regular basis, so make sure you log in regularly to see what’s new!

To register for our e-learning platform, please scan the QR code:

![QR Code](image)

**Practical Courses**

Continuing Professional Development is one of our core company values. Vi supported the delivery of 130 CPD courses in 2022, both within the UK and Internationally, investing over £65,000 per annum to ensure the facilitation of successful training courses and development of Veterinary healthcare professionals.

To view the current calendar of CPD courses we are supporting, please scan the QR code:

![QR Code](image)

**Lunch & Learn**

Our team of dedicated Territory Account Managers can offer Lunch & Learns for Veterinary Nurses on a variety of relevant topics. These in-practice sessions can be booked at a time convenient for your teams’ busy schedule. To make an enquiry about booking a Lunch & Learn, please email info@vetinst.com.
Orthopaedic Instrumentation

To visit the Orthopaedic Instrumentation section of our website, please scan the QR code.
# Vi Orthopaedic Starter Kit - Standard

**The Standard Kit contents:**

<table>
<thead>
<tr>
<th>Item Number</th>
<th>Description</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001000</td>
<td>Adjustable Bone Saw With 3 Blades</td>
<td>1 x</td>
<td>Bone Pin Trochar 7/16 2.8mm Diam 300mm Long</td>
</tr>
<tr>
<td>001004</td>
<td>Orthopaedic Stainless Steel Hard Back Saw 0.6mm Cut</td>
<td>1 x</td>
<td>Bone Pin Trochar 1/8 3.2mm Diam 300mm Long</td>
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<tr>
<td>001010</td>
<td>Excision Arthroplasty Rasp</td>
<td>1 x</td>
<td>Bone Pin Trochar (9/64) 0.50mm x 300mm Long</td>
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<tr>
<td>001048</td>
<td>Mini Hohman Retractor 8mm Short Tip</td>
<td>1 x</td>
<td>Bone Pin Trochar 5/32 4.0mm Diam 300mm Long</td>
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<tr>
<td>001090</td>
<td>Disarticulator Small</td>
<td>1 x</td>
<td>Bone Pin Trochar 3/16 4.8mm Diam 300mm Long</td>
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<tr>
<td>001116</td>
<td>Meniscus Surgery Kit</td>
<td>1 x</td>
<td>Bone Pin Trochar 1/4 4.35mm Diam 300mm Long</td>
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<tr>
<td>001221</td>
<td>Standard Jacobs Chuck &amp; Handle 1/4&quot; (6mm) Capacity</td>
<td>1 x</td>
<td>1.1mm Arthrodesis Wire 125mm Long (Pack of 10)</td>
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<tr>
<td>001234</td>
<td>Implant Cutter S/Steel Cuts To 4.0mm (370mm Long) TC Inserts</td>
<td>1 x</td>
<td>1.6mm Arthrodesis Wire 125mm Long (Pack of 10)</td>
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<tr>
<td>001237/1</td>
<td>Implant Cutter S/Steel Simple Action 2.0mm Max (255mm Long)</td>
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<td>2.0mm Arthrodesis Wire 125mm Long (Pack of 10)</td>
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<tr>
<td>001250</td>
<td>Wire Passer Double Ended (145mm)</td>
<td>1 x</td>
<td>1.4mm Arthrodesis Wire 125mm Long (Pack of 10)</td>
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<tr>
<td>001260</td>
<td>Wire Twister &amp; Shear Cutter (165mm)</td>
<td>1 x</td>
<td>Bone Pin Roll</td>
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<tr>
<td>001271</td>
<td>Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle</td>
<td>1 x</td>
<td>K/A Wire Storage Tube &amp; Dispenser 125mm 0.9/1.1/1.6/2.0</td>
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<tr>
<td>001300</td>
<td>Small Curved Rangeus 4mm Bite</td>
<td>1 x</td>
<td>CCL Kit - Crimpers HDuty Needleholders &amp; 2 of Each Nylon</td>
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<tr>
<td>001310</td>
<td>Small Angled Cutter (15mm Blade)</td>
<td>1 x</td>
<td>15mm Osteotome Swedish Pattern (205mm)</td>
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<tr>
<td>001320</td>
<td>Mallet 300g</td>
<td>1 x</td>
<td>Volkmann Scoop Double Ended 4mm &amp; 6mm (200mm Long)</td>
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<tr>
<td>001362</td>
<td>Kirschner &amp; Arthrodesis Wire Bender 140mm</td>
<td>1 x</td>
<td>2.7mm Round Shank Drill Hard</td>
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<tr>
<td>001600</td>
<td>Variable Speed Orthopaedic Drill Kit</td>
<td>1 x</td>
<td>3.5mm Round Shank Drill Hard</td>
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<tr>
<td>090000</td>
<td>Bone Pin Trochar 1/16 1.6mm Diam 300mm Long</td>
<td>1 x</td>
<td>OW0810 Reel of Orthopaedic Wire 0.8mm/21g Diameter</td>
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<tr>
<td>090001</td>
<td>Bone Pin Trochar 5/64 2.0mm Diam 300mm Long</td>
<td>1 x</td>
<td>OW1010 Reel of Orthopaedic Wire 1.0mm/20g Diameter</td>
</tr>
<tr>
<td>090002</td>
<td>Bone Pin Trochar 3/32 3.4mm Diam 300mm Long</td>
<td>1 x</td>
<td>XRAYMARK1 Left And Right Hand X-Ray Markers</td>
</tr>
</tbody>
</table>

**ORTHOKIT** Vi Orthopaedic Starter Kit

**ORTHOKITNP** Vi Orthopaedic Starter Kit Standard - No Power Tools
Vi Orthopaedic Starter Kit - Enhanced

The Enhanced Kit contents:

001000  Adjustable Bone Saw With 5 Blades  x1
001004  Orthopaedic Stainless Steel Hard Back Saw 0.4mm Cut  x1
001010  Excision Arthroplasty Rasp  x1
001021  Universal Sulcoplasty Rasp 20mm Long  x1
001041  Hohman Retractor 18mm Short Narrow Tip  x2
001042  Hohman Retractor 12mm Short Narrow Tip  x2
001095ET  Hans Spoon Set (Set Of 3)  x1
001117  Meniscus Surgery Set - Enhanced  x1
001234  Implant Cutter 5/Steel Cuts To 4.0mm (370mm Long) TC Inserts  x1
001237/1  Implant Cutter Simple Action 2.0mm Max (255mm Long)  x1
001250  Wire Passer Double Ended (145mm)  x1
001260  Wire Twister & Shear Cutter (165mm)  x1
001271  Periosteal Elevator CVD AO Type 180mm 6mm End PTFE Handle  x1
001300  Small Curved Rongeurs 4mm Box  x1
001310  Small Angled Cutter (15mm Blade)  x1
001311  Large Angled Cutters 19mm Blade 23cm Long  x1
001320  Mallet 300g  x1
001323  TTA Mallet 140g  x1
001343  10mm Osteotome Light (140mm)  x1
001362  Kirschner & Arthrodesis Wire Bender 140mm  x1
001363  Stubby Punch 50mm  x1
001380  Modular Osteotome With Seven Blades - 4.6,8,10,12,15 & 20mm  x1
001390  1.1mm Arthrodesis Wire 125mm Long (Pack of 10)  x1
001391  1.6mm Arthrodesis Wire 125mm Long (Pack of 10)  x1
001392  2.0mm Arthrodesis Wire 125mm Long (Pack of 10)  x1
001393  1.4mm Arthrodesis Wire 125mm Long (Pack of 10)  x1
001394E  K/A Wire Storage Tube & Dispenser 125mm 0.9/1.1/1.6/2.0mm  x1
001395  15mm Osteotome Swedish Pattern (205mm)  x1
78S000  Volkmann Scoop Double Ended 4mm & 6mm (200mm Long)  x1
AR-17-02  Stiffe PTFE Handle 280mm VSTL  x1
H090101  2.0mm Round Shank Drill Hard  x1
H090104  2.7mm Round Shank Drill Hard  x1
H090106S  3.5mm Round Shank Drill Hard  x1
H090112  2.5mm Round Shank Drill Hard  x1
H090120  Ligament Tube 3.0mm Trog Introducer 3.5 & 4.5mm Drills & Guide  x1
IMBIXCTR  IM Pin Box Complete With Steinman Pins & Trochar Tips 30 Total  x1
LIPLCRST  Ligmafix Lateral Suture + Crimp Starter Kit  x1
OH0710  Real of Orthopedic Wire 0.71mm 22g Diameter  x1
GW0810  Real of Orthopedic Wire 0.8mm 31g Diameter  x1
OW0910  Real of Orthopedic Wire 0.9mm 20.5g Diameter  x1
OW1010  Real of Orthopedic Wire 1.0mm 20g Diameter  x2
SAF2.5  Suture Anchor Pin 2.5mm Diameter 1.0mm Hole  x1
SAF3  Suture Anchor Pin 3mm Diameter 1.0mm Hole  x1
SAP4  Suture Anchor Pin 4mm Diameter 2.0mm Hole  x1
XRATMARK1  Left And Right Hand X-Ray Markers  x2

ORTHOKITTWO  Vi Orthopaedic Starter Kit Enhanced With Battery Power
Contains list above plus Black Series equipment:
BLACKKIT  Vi Black Series Drill/W/ Saw Set  x1
BLACKSW451206  Vi Black Saw Blade 45mm x 12mm Thick 0.7mm Set 0.95mm  x1
BLACKSW451606  Vi Black Saw Blade 45mm x 16mm Thick 0.7mm Set 0.95mm  x1

ORTHOKITTWONP  Vi Orthopaedic Starter Kit Enhanced (No Power Tools)
Contains list above but does not include power tools.
### 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 larger 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

### 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 the 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.

**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/HIF.

**Bone Holding Forceps**

There is no 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 forceps 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.

**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 Serrated Bone Holding Forceps**

Manipulation of the long bones of cats & small dogs is difficult without crushing. The serrated jaws of this forceps 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 Rachet 12mm Grasp 180mm
- **001218SET** Serrated Bone Holding Forceps Set of 4 (As above)
- **001218LG** Small Serrated Bone Holding Forceps Spinlock 12mm Grasp 180mm

**Small Curved Serrated Reduction Forceps**

A nice forceps 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
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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001216</td>
<td>Kern Bone Holding Forceps Mini 4.75&quot; 125mm Long</td>
</tr>
<tr>
<td>001213</td>
<td>Kern Bone Holding Forceps Small 6.75&quot; 170mm Long</td>
</tr>
<tr>
<td>001214</td>
<td>Kern Bone Holding Forceps Large 8.5&quot; 215mm Long</td>
</tr>
<tr>
<td>001213SET</td>
<td>Kern Bone Holding Forceps Set of 3 (As above)</td>
</tr>
</tbody>
</table>

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 appropriate in veterinary patients.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001209</td>
<td>Self Centering Bone Holding Forceps Very Small 150mm Long</td>
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<tr>
<td>001211</td>
<td>Self Centering Bone Holding Forceps Small 190mm Long</td>
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<tr>
<td>001212</td>
<td>Self Centering Bone Holding Forceps Large 240mm Long</td>
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<td>001209V</td>
<td>Self Centering Bone Holding Forceps Very Small 150mm Vet Pattern</td>
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<tr>
<td>001211V</td>
<td>Self Centering Forceps Bone Holding Small 190mm Vet Pattern</td>
</tr>
<tr>
<td>001212V</td>
<td>Self Centering Forceps Bone Holding Large 240mm Vet Pattern</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>001225</td>
<td>1.5mm/2.0mm Plate Holding/Drill Guide Forceps 140mm Long</td>
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<tr>
<td>001226</td>
<td>2.4mm/2.7mm Plate Holding/Drill Guide Forceps 145mm Long</td>
</tr>
<tr>
<td>001227</td>
<td>3.5mm Plate Holding/Drill Guide Forceps 150mm Long</td>
</tr>
<tr>
<td>0012SET</td>
<td>Plate Holding/Drill Guide Forceps Set of 3 (As above)</td>
</tr>
</tbody>
</table>

Lowman Bone Clamp Veterinary Pattern

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001991</td>
<td>Lowman Bone Clamp Veterinary Pattern 60mm Long</td>
</tr>
<tr>
<td>001993</td>
<td>Lowman Bone Clamp Large 220mm Long</td>
</tr>
</tbody>
</table>
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 Fragment Forceps

Left handed fragment forceps are modified specifically to make use easier. One black handle identifies left handed instruments.

0012015L-L Small Fragment Forceps With Spinlock - Left Handed
001203-L Very Large Fragment Forceps With Spinlock - Left Handed

Training & Education

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And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
**Rongeurs**
Rongeurs vary with respect to bite size & jaw angle. Where a rongeur has a specific function, it is indicated in the description.

**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.

**Mini-Friedman**
Useful in bulla osteotomy.

**Micro-Friedman**
A small spine rongeur.

**Lempert Straight**
Useful for spines & bulla osteotomy.

**Compound Action Rongeurs**
The compound action gives a mechanical advantage to the surgeon but reduces the bite width.

**Jansen**
Compound action, powerful but small bite.

**Ruskin**
A heavy duty compound action rongeur.

**Stille-Luer**
A very large rongeur.
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. Set contains three variations: straight, curved & angled.

142600 Micro Spine Rongeurs Set of 3

Daniel Rongeur

The jaws of this instrument are straight & the bite is small. Also suitable for bulla osteotomy.

001402 4mm Daniels Rongeurs 130mm Cvd

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 jaw widths. Length 190mm.

001429 Compound Action Spinal Rongeurs 2mm
001430 Compound Action Spinal Rongeurs 3mm
001431 Compound Action Spinal Rongeurs 4mm

Smith-Kerrison Punch Forceps

This is a traditional design with a 40 degree upward cutting jaw. Robust spine forceps. 185mm shaft.

001445 2mm Smith Kerrison Punch Forceps
001446 3mm Smith Kerrison Punch Forceps

40 Degree Bone Punch Forceps - Low Profile

Designed for use where a high speed bur has removed the outer cortical layer and the underlying cancellous layer, the powerful nibbling action of this device allows very controlled removal of the final layer of cortical bone. The wedge-shaped foot of this device is designed to allow good access whilst still retaining strength, and is polished to minimise friction and potential trauma. Overall length 21cm.

001438 Batemans Spine Punch 40 Degree Upward Cut 2mm
001439 Batemans Spine Punch 40 Degree Upward Cut 3mm
001441 Batemans Spine Punch 40 Degree Upward Cut 4mm
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 transposition. 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.

McIndoe

Compound jointed action gives power but reduces bite size.

Ruskin

Similar in design to McIndoe but larger.

Horsley

Heavy duty compound action cutters.

Liston

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

- 001360 K/A Wire & Small Pin Punch 135mm Long
- 001361 K/A Wire & Very 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 & 2.0mm) cater for the full range of our arthrodesis wires. The short length of each cannulation makes these easy to clean.

- 001373 Offset Wire Bender

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

Orthopaedic Hard Back Saw

Made from stainless steel. 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
- 001001-A Spare Fine Blades Pk of 5 Chrome Plated
- 001002 Coarse Stainless Blade 140mm Long
- 001003 Rhinotomy / Plaster Saw Blade 85mm Long
Osteotomes

**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
- 001305SCREW 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

**‘Stubby’ Osteotome**

Available from 3mm to 14mm & as a set. 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 of 7 (As above)
Chisels

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 Light Pattern

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.

- 001355 Gouge 12mm 140mm Long
- 001356 Gouge 12mm 205mm 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
**Vi Pattern Orthopaedic Distractor**

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001426</td>
<td>Trephine 6mm o/d 4mm Core 115mm Long</td>
</tr>
<tr>
<td>001427</td>
<td>Trephine 5mm o/d 3mm Core 115mm Long</td>
</tr>
</tbody>
</table>

**Small Distractor With Ratchet**

The Small Ratched 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001503</td>
<td>Small Distractor With Ratchet 185mm Long</td>
</tr>
</tbody>
</table>

**Bone Scribe**

A very sharp marking point with an easy-to-hold handle enables the surgeon to mark bone prior to creation of an osteotomy. One end is pointed & the other is sharpened as a blade.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001494</td>
<td>Bone Scribe (Double Ended) 200mm Long</td>
</tr>
</tbody>
</table>

**Measuring Devices**

**Vernier Caliper**

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001490</td>
<td>Vernier Caliper Stainless Steel</td>
</tr>
<tr>
<td>001490D</td>
<td>Digital Vernier (Non Autoclavable)</td>
</tr>
</tbody>
</table>

**Application & Features:**

- Overcoming muscle contraction prior to fracture reduction.
- Accurate alignment of bone fragments prior to plating.
- 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.
Drill & Screw Gauge

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

001496 Drill & Screw Gauge 60mm Long

Vi Metric Ruler

Metric ruler covering the more common drill, screw & wire sizes.

001504 Metric Ruler - Vi

Imperial Ruler

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

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.

XRAYMARK1 Xray Marker With Scale Set Left & Right
XRAYHOLD1 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

<table>
<thead>
<tr>
<th>Maximum Pin Size</th>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.5mm</td>
<td>001230</td>
<td>Implant Cutter To 1.5mm</td>
</tr>
<tr>
<td></td>
<td>001238</td>
<td>Implant Cutter To 1.5mm Close Cut</td>
</tr>
<tr>
<td>1.6mm</td>
<td>001247</td>
<td>Safety Shear Cutter To 1.6mm Close Cut</td>
</tr>
<tr>
<td>2.0mm</td>
<td>001237/1</td>
<td>Implant Cutter To 2.0mm 255mm</td>
</tr>
<tr>
<td>2.2mm</td>
<td>001246</td>
<td>Implant Cutter To 2.2mm Oblique Jaw</td>
</tr>
<tr>
<td></td>
<td>001237</td>
<td>Implant Cutter To 2.2mm</td>
</tr>
<tr>
<td>3.0mm</td>
<td>001236</td>
<td>Implant Cutter To 2.2mm Close Out</td>
</tr>
<tr>
<td>4.0mm</td>
<td>001228</td>
<td>Implant Cutter To 3.0mm</td>
</tr>
<tr>
<td></td>
<td>001234</td>
<td>Implant Cutter To 4.0mm</td>
</tr>
<tr>
<td>6.0mm</td>
<td>001234/A</td>
<td>Implant Cutter To 4.0mm Detachable Handles</td>
</tr>
<tr>
<td></td>
<td>001229</td>
<td>Safety Cutter To 4.0mm</td>
</tr>
<tr>
<td></td>
<td>001231VL</td>
<td>Implant Cutter To 6.0mm Compound</td>
</tr>
</tbody>
</table>

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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 1.6mm below the face of the cutter. Also useful for cutting cerclage wire cleanly. TC Jaws.

001247 Implant Cutter Stainless Steel Cuts To 2.0mm Capacity 255mm Long Simple Action

Implant Cutter Surgical Finish To 2.0mm Capacity - Simple Action

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 3mm Capacity 255mm Long

Implant Cutter Surgical Finish To 2.2mm Capacity

Implant Cutter Surgical Finish To 2.2mm Capacity - Sprung Compound Action, 230mm Long.

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

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

Implant Cutter Surgical Finish To 2.2mm Capacity

Implant Cutter Surgical Finish To 2.2mm Capacity - Sprung Compound Action, 255mm Long.

001237/1 Implant Cutter Stainless Steel Cuts To 2.0mm Capacity 255mm Long Simple Action

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.

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

Implant Cutter 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 Detachable Handles

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

001231/A Implant Cutter Stainless To 4mm Capacity Detachable Handles
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 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 jaws & operate by an unscrubbed assistant.

001231VL Implant Cutter Stainless Steel Cuts To 6mm Capacity TC Jaws Compound Action 560mm Long

Implant Cutter Surgical Finish To 4mm Capacity

001234 Implant Cutter Stainless Steel Cuts To 4mm Capacity TC Jaws 370mm Long

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**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

**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

**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

**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

**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

**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 hand insertion of intramedullary pins.

- **Pin capacity**
  - Standard Chuck up to ¼" (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
- **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
- **CWPMED** 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. Most common applications include hemi-cerclage & passage of lateral sutures through the tibial crest. Originally designed by Arnie Lesser.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OW0210</td>
<td>32g Reel of Orthopaedic Wire 0.20mm</td>
</tr>
<tr>
<td>OW0310</td>
<td>30g Reel of Orthopaedic Wire 0.30mm</td>
</tr>
<tr>
<td>OW0410</td>
<td>27g Reel of Orthopaedic Wire 0.40mm</td>
</tr>
<tr>
<td>OW0510</td>
<td>25g Reel of Orthopaedic Wire 0.5mm</td>
</tr>
<tr>
<td>OW0610</td>
<td>24g Reel of Orthopaedic Wire 0.6mm</td>
</tr>
<tr>
<td>OW0710</td>
<td>22g Reel of Orthopaedic Wire 0.71mm</td>
</tr>
<tr>
<td>OW0810</td>
<td>21g Reel of Orthopaedic Wire 0.8mm</td>
</tr>
<tr>
<td>OW0910</td>
<td>20.5g Reel of Orthopaedic Wire 0.9mm</td>
</tr>
<tr>
<td>OW1010</td>
<td>20g Reel of Orthopaedic Wire 1.0mm</td>
</tr>
<tr>
<td>OW1012</td>
<td>18g Reel of Orthopaedic Wire 1.2mm</td>
</tr>
<tr>
<td>OW1015</td>
<td>16g Reel of Orthopaedic Wire 1.5mm</td>
</tr>
</tbody>
</table>

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.

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:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001260</td>
<td>Wire Twister x1</td>
</tr>
<tr>
<td>001256</td>
<td>Set of 3 Single Ended Wire Passers x1</td>
</tr>
<tr>
<td>OW1010</td>
<td>10m Roll of 1.0mm Orthopaedic Wire x1</td>
</tr>
</tbody>
</table>

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)

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001260</td>
<td>Wire Twister/Shear Cutter 165mm Long</td>
</tr>
<tr>
<td>001261</td>
<td>Wire Twister/Shear Cutter - Tungsten Carbide Jaws 165mm Long</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CWWE22</td>
<td>Orthopaedic Wire With Eyelet 22g x 12” (6 Pack)</td>
</tr>
<tr>
<td>CWWE20</td>
<td>Orthopaedic Wire With Eyelet 20g x 12” (6 Pack)</td>
</tr>
<tr>
<td>CWWE18</td>
<td>Orthopaedic Wire With Eyelet 18g x 12” (6 Pack)</td>
</tr>
</tbody>
</table>

Wire Tightener For Eyed Wires

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001262</td>
<td>Wire Loop Tightener 125mm Long</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>001264</td>
<td>Wire Tightener With Two Cranks 285mm Long</td>
</tr>
</tbody>
</table>
Plaster Cutting


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

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Biopsy Needles

<table>
<thead>
<tr>
<th>Biopsy Needle</th>
<th>Patient Body Weight</th>
<th>Needle Gauge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone Marrow</td>
<td>&lt;5kg</td>
<td>18g</td>
</tr>
<tr>
<td></td>
<td>5 - 15kg</td>
<td>15/16g</td>
</tr>
<tr>
<td></td>
<td>15 - 30kg</td>
<td>13g</td>
</tr>
<tr>
<td></td>
<td>30 - 50kg</td>
<td>11g</td>
</tr>
<tr>
<td></td>
<td>&gt;50kg</td>
<td>8g</td>
</tr>
<tr>
<td>Cortical Bone</td>
<td>&lt;5kg</td>
<td>11g</td>
</tr>
<tr>
<td></td>
<td>5 - 15kg</td>
<td>8g</td>
</tr>
<tr>
<td></td>
<td>&gt;50kg</td>
<td>Tréphine</td>
</tr>
</tbody>
</table>

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.

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.

Bone Marrow Biopsy - Rosenthal

Similar to Klima. Stylet does not lock into position.

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.

DIN1515X  Bone Marrow Biopsy Jamshidi 15g (Disp) Baxter Illinois

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

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

012509    Bone Marrow Biopsy Rosenthal 16g x 35mm
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 & gastrosopes.

- 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

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.

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 of limb suspension ropes has been added & the shaft can be dismantled for storage.

026000 Multi Arm - ‘Improved’ Version Includes Single Limb Support
020062 Double Limb Support
020065 Limb Brace Attachment For Multi Arm
MULTIARMS Multi Arm Set (As above)
To view the Joint Surgery chapter of our website, please scan the QR code.
Training & Education Support Programmes

E-Learning Platform

Our new e-learning platform from Vi delivers a variety of technical and clinical educational material, in an engaging and interactive format.

Whether you are a Vet, a Vet Nurse, a Student Vet Nurse or an Animal Care Auxiliary, you should find modules that are clinically relevant to you.

And with a CPD certificate awarded upon successful completion of each module, the new e-learning platform from Vi will help you to fulfil your annual CPD requirements, at the click of a button and from the comfort of your own home, or workplace.

New content and modules are being added on a regular basis, so make sure you log in regularly to see what’s new!

To register for our e-learning platform, please scan the QR code:

Practical Courses

Continuing Professional Development is one of our core company values. Vi supported the delivery of 130 CPD courses in 2022, both within the UK and Internationally, investing over £65,000 per annum to ensure the facilitation of successful training courses and development of Veterinary healthcare professionals.

To view the current calendar of CPD courses we are supporting, please scan the QR code:

Lunch & Learn

Our team of dedicated Territory Account Managers can offer Lunch & Learns for Veterinary Nurses on a variety of relevant topics. These in-practice sessions can be booked at a time convenient for your teams’ busy schedule. To make an enquiry about booking a Lunch & Learn, please email info@vetinst.com.
Vi Locking TPLO Starter Kit

Our range of TPLO kits are an excellent way to obtain the appropriate equipment which enables you to complete the TPLO procedure. Available with or without our battery powered TPLO saw.

**Vi TPLO Starter Kit contains:**

- VILTPLOSAW Vi Battery Powered TPLO Saw W/ Charger & Batteries x1
- 001492 Slocum Type Rotation Gauges 5mm To 15mm x1
- 001494 Bone Scribe (200mm Long) x1
- TLOROT TPLO Rotation Chart x1
- TLO32 Slocum Guide 3.2mm (1/8”) x 125mm Pins For TPLO 25mm Thread x10
- TLOJG TPLO Basic Jig x1
- TLOROT TPLO Rotation Chart x1
- TLOVI18 TPLO Blade Vi Pattern 18mm x1
- TLOVI21 TPLO Blade Vi Pattern 21mm x1
- TLOVI24 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
- VILTPLO35L4 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
- VILTPLOKITBAT Vi TPLO Locking Starter Kit With Battery Saw Power
- VILTPLOKITNP Vi TPLO Locking Starter Kit With No Power Equipment

**Vi TPLO Starter Kit in Modular Plating Box contains:**

- Modular Plating Box and 3 Instrument Trays.
- UDG27 Universal Drill Guide for 2.7mm Screws x1
- UDG35 Universal Drill Guide for 2.7mm Screws x1
- LSDG2724XL Locking Screw Drill Guide For 2.7mm Screws XL x1
- LSDG35XL Locking Screw Drill Guide For 2.7mm Screws XL x1
- TPLOJG TPLO Basic Jig x1
- TLO32 Slocum Guide 2.3x125mm Pins F/ TPLO 25mm Thread x3
- 001529 1.6mm Ellis Pin 85mm x2
- 001492 Slocum Rotation Gauges 5-15mm x1
- 001494 Bone Scribe 200mm x1
- 001499 TPLO Rotational Gauge Divider x1
- TLOROT TPLO Rotation Chart x1
- DGP2735 Premium Depth Gauge F/ 2.7/3.5mm Screws x1
- E17-079 Soft Touch QR Inline Handle W/ AO Coupling Yellow x1
- S17153 Star Drive T15 Insert F/ 3.5mm Locking Screws x1
- S171543 Star Drive T8 Insert F/ 2.4/2.7mm Locking Screws x1
- TLOVI18 TPLO Blade Vi Pattern 18mm x1
- TLOVI21 TPLO Blade Vi Pattern 21mm x1
- TLOVI24 TPLO Blade Vi Pattern 24mm x1
- MPBSC27-MIX 2.7mm Screw Caddy With Star Drive Locking & Cortical Screws x1
- MPBSC35-MIX 3.5mm Screw Caddy With Star Drive Locking & Cortical Screws x1
- VILTPLOKITQTC Vi TPLO Kit 2735 Drill Bits No Power has the same components as the kit list above but includes QC drill bits instead of round shank.
- VILTPLOKITQTC Vi TPLO Kit 2735 Drill Bits No Power

To view our recently released Surgery Guide on ‘TPLO’, please scan the QR code below.
Small Vi Locking TPLO Starter Kit

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

**Vi TPLO Locking Kit With 1.5mm/2.0mm/2.7mm Plates**
- **VITPLOSAW** Vi Battery Powered TPLO Saw W/ Charger & Batteries x1
- **VILTPLO15L3** Locking TPLO Plate For 1.5mm Screws Left x2
- **VILTPLO15R3** Locking TPLO Plate For 1.5mm Screws Right x2
- **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
- **TPLOVI12** TPLO Blade Vi Pattern 12 mm x2
- **TPLOVI15** TPLO Blade Vi Pattern 15 mm x1
- **TPLOVI18** TPLO Blade Vi Pattern 18 mm x1
- **TPLOVI21** TPLO Blade Vi Pattern 21 mm x1
- **TPLOVI24** TPLO Blade Vi Pattern 24 mm x1
- **VILTPLO20L** 2.0mm Locking TPLO Plate 3 Hole Proximal Left x2
- **VILTPLO20R** 2.0mm Locking TPLO Plate 3 Hole Proximal Right x2
- **VILTPLO24L** 2.4mm Locking TPLO Plate 3 Hole Proximal Left x2
- **VILTPLO24R** 2.4mm Locking TPLO Plate 3 Hole Proximal Right x2
- **H090101** 1.5mm Shank Drill 90mm Round x1
- **H090208** 1.8mm Shank Drill 110mm Round x1

**Vi TPLO Starter Kit in Modular Plating Box contains:**
- Modular Plating Box and 3 Instrument Trays.
- **UDG20** Universal Drill Guide for 2.0mm Screws x1
- **UDG24** Universal Drill Guide for 2.4mm Screws x1
- **LSDG20** Locking Drill Guide for 2.0mm x1
- **LSDG2424** Locking Drill Guide For 2.4mm x1
- **TPLOJIGXS** XS TPLO Jig 60mm x1
- **001529** 1.6mm Ellis Pin 85mm x4
- **001550** 2.0mm Ellis Pin 127mm x4
- **001492** Slocum Rotation Gauges 5 - 15mm x1
- **001499** TPLO Rotational Gauge Divider x1
- **001494** Bone Scribe 200mm x1
- **001529** 1.6mm Ellis Pin 85mm x4
- **001499** TPLO Rotational Gauge Divider x1
- **001494** Bone Scribe 200mm x1
- **001499** TPLO Rotational Gauge Divider x1
- **DGP2024** Premium Depth Gauge F/ 2.0/2.4mm Screws x1
- **E17-079** Soft Touch QR Inline Handle W/ AO Coupling Yellow x1
- **SDT620-A** Star Drive T6 Inset for 2.0mm Locking Screws x1
- **SDT82427** Star Drive T8 Inset for 2.4/2.7mm Locking Screws x1
- **TPLOVI12** TPLO Blade Vi Pattern 12mm x1
- **TPLOVI15** TPLO Blade Vi Pattern 15mm x1
- **TPLOVI18** TPLO Blade Vi Pattern 18mm x1
- **MPBSC20-MIX** 2.0mm Screw Caddy With Star Drive Locking & Cortical Screws x1
- **MPBSC24-MIX** 2.4mm Screw Caddy With Star Drive Locking & Cortical Screws x1
- **SDT1535** Star Drive T15 Insert F/ 3.5mm Locking Screws x1
- **SDT82427** Star Drive T8 Insert F/ 2.4/2.7mm Locking Screws x1
- **TPLOVI18** TPLO Blade Vi Pattern 18mm x1
- **TPLOVI21** TPLO Blade Vi Pattern 21mm x1
- **TPLOVI24** TPLO Blade Vi Pattern 24mm x1
- **VILTPLO20L** 2.0mm Locking TPLO Plate 3 Hole Proximal Left x2
- **VILTPLO20R** 2.0mm Locking TPLO Plate 3 Hole Proximal Right x2
- **VILTPLO24L** 2.4mm Locking TPLO Plate 3 Hole Proximal Left x2
- **VILTPLO24R** 2.4mm Locking TPLO Plate 3 Hole Proximal Right x2
- **H090101** 1.5mm Shank Drill 90mm Round x1
- **H090208** 1.8mm Shank Drill 110mm Round x1

**Vi TPLO Starter Kit 2.0/2.4 No Power**
VILTPLO 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 or 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

VILTPLO15L3  Locking TPLO Plate For 1.5mm Screws 3 Holes Left
VILTPLO15R3  Locking TPLO Plate For 1.5mm Screws 3 Holes Right
VILTPLO20L3  Locking TPLO Plate For 2.0mm Screws 3 Holes Left
VILTPLO20R3  Locking TPLO Plate For 2.0mm Screws 3 Holes Right
VILTPLO24L3  Locking TPLO Plate For 2.4mm Screws 3 Holes Left
VILTPLO24R3  Locking TPLO Plate For 2.4mm Screws 3 Holes Right
VILTPLO27L3  Locking TPLO Plate For 2.7mm Screws 3 Holes Left
VILTPLO27R3  Locking TPLO Plate For 2.7mm Screws 3 Holes Right
VILTPLO35L3  Locking TPLO Plate For 3.5mm Screws 3 Holes Left
VILTPLO35R3  Locking TPLO Plate For 3.5mm Screws 3 Holes Right
VILTPLO35BL4  Locking TPLO Plate Broad For 3.5mm Screws 4 Holes Left
VILTPLO35BR4  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 & 3.5mm 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.

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
### TPLO By Wedge Osteotomy

**Cloverleaf Plates**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Overall Length</th>
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</thead>
<tbody>
<tr>
<td>TPLO202026</td>
<td>2.0mm DCP 26mm Overall Length</td>
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<tr>
<td>TPLO202031</td>
<td>2.0mm DCP 31mm Overall Length</td>
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<tr>
<td>TPLO242434</td>
<td>2.4mm DCP 34mm Overall Length</td>
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<td>TPLO242441</td>
<td>2.4mm DCP 41mm Overall Length</td>
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<td>TPLO272739</td>
<td>2.7mm DCP 39mm Overall Length</td>
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<tr>
<td>TPLO272745</td>
<td>2.7mm DCP 45mm Overall Length</td>
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</tr>
<tr>
<td>TPLO273539</td>
<td>2.7/3.5 DCP 39mm Overall Length</td>
<td></td>
</tr>
</tbody>
</table>

**TPLOS20L** | 2.0mm Left Slocum Style Plate
**TPLOS20R** | 2.0mm Right Slocum Style Plate
**TPLOS24L** | 2.4mm Left Slocum Style Plate
**TPLOS24R** | 2.4mm Right Slocum Style Plate
**TPLOS27L** | 2.7mm Left Slocum Style Plate
**TPLOS27R** | 2.7mm Right Slocum Style Plate
**TPLOS27BL** | 2.7mm Broad Slocum Style Plate Left
**TPLOS27BR** | 2.7mm Broad Slocum Style Plate Right
**TPLOS35L** | 3.5mm Left Slocum Style Plate
**TPLOS35R** | 3.5mm Right Slocum Style Plate
**TPLOS35BL** | 3.5mm Broad Slocum Style Plate Left
**TPLOS35BR** | 3.5mm Broad Slocum Style Plate Right

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

### Slocum Style Plates

Slocum style TPLO plates. Not pre-contoured.

### 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPLOS35RPC</td>
<td>3.5mm Right Slocum Style Pre-Contoured Plate</td>
</tr>
<tr>
<td>TPLOS35LPC</td>
<td>3.5mm Left Slocum Style Pre-Contoured Plate</td>
</tr>
</tbody>
</table>

### Delta Style Plates

Delta Style Plates
**TPLO Instrumentation**

**XS TPLO Jig**

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

**TPLOJIGXS.** XS TPLO Jig 60mm

**TPLO Jig**

Basic TPLO jig, uses 3.2mm pins. Supplied with 2.5mm Allen key.

**TPLOJIG** TPLO Jig 120mm

**Standard Slocum Style TPLO Jig**

Standard Slocum style TPLO jig. Pair of Alignment Bars & Allen key included.

Large Jig takes 3.2 pins, small Jig takes 2.4 pins. Pins not included.

**TPLOJIG/S.** Slocum Style Jig Standard (3.2mm Pin)
**TPLOJIG/SS.** Slocum Style Jig Small (2.4mm Pin)
**TPLOJIG/ROD35** Replacement Alignment Bars (Set of 2) Standard
**TPLOJIG/ROD27** Replacement Alignment Bars (Set of 2) Small

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**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 a bone scribe or an osteotome.

**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.

**TPLO Rotation Gauge Divider Type 90mm**

**001492** Slocum Rotation Gauges

**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. Also incorporates a drill gauge & a ruler for measuring screws & rotation.

**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.

**TPLO Reduction Forceps With Wire Guide**

TPLO reduction forceps are designed to stabilise and compress across the osteotomy site. At the tip is a wire guide tube which allows a stabilising wire to be driven across the osteotomy at exactly the correct position without skidding or slippage at start up. The spin-lock allows full flexibility on positioning and compression Available with the wire guide positioned on left or right side.

**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 plate, as well as in conventional DCP holes, whilst allowing drilling through the hole. Also very useful for plate osteosynthesis in fracture repair.

**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.

**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.

**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.
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 & 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.

CBLO Implant Set

The CBLO Implant Set contains:
- 1x CBLO Implant Tray
- 1x Screwwrack CBLO 2.7
- 1x Screwwrack CBLO 3.5
- 2x of each CBLO Plate
- 3x of each 2.7mm Cortical Screw (16-34mm)
- 3x of each 3.5mm Cortical Screw (16-34mm)
- 5x of each 2.7 Locking Screw (16-46mm)
- 5x of each 3.5 Locking Screw (16-60mm)

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
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.

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.

CBLO Plates

Titanium. Featuring both locking & compression screw holes.

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.

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.

Screwdriver Shaft Star Drive T10

Self holding.

Silicone. Sterilisable up to 134°C.

Screwdriver Handle - Silicone

Standard Screwdriver Handle AO Connection for 2.7/3.5 Screws
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 tuberosity & 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.

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

Full kit list is available upon request.

TTAPREM TTA Starter Kit in a Premium Aluminium Box

TTA Starter Kit with Forkless 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 plate holes 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 individually selected for better fit
- Fewer screw holes in tibial crest than fork holes, helping reduce risk of tibial crest fracture

Full kit list is available upon request.

TTAFLPREM TTA Forkless Starter Kit

Premium TTA Case

Storage & autoclave case for TTA equipment & implants.

TTABOX Premium TTA Case (Box & Insert only)
## TTA Implants

### TTA Cages

All cage sizes are secured using 2.4mm titanium screws.

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<th>Description</th>
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<td>TTAC310</td>
<td>Titanium TTA Cage 3 x 10mm</td>
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<td>TTAC313</td>
<td>Titanium TTA Cage 3 x 13mm</td>
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<td>TTAC4512</td>
<td>Titanium TTA Cage 4.5 x 12mm</td>
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<td>TTAC4515</td>
<td>Titanium TTA Cage 4.5 x 15mm</td>
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<tr>
<td>TTAC622</td>
<td>Titanium TTA Cage 6 x 22mm</td>
</tr>
<tr>
<td>TTAC7513</td>
<td>Titanium TTA Cage 7.5 x 13mm</td>
</tr>
<tr>
<td>TTAC7516</td>
<td>Titanium TTA Cage 7.5 x 16mm</td>
</tr>
<tr>
<td>TTAC7519</td>
<td>Titanium TTA Cage 7.5 x 19mm</td>
</tr>
<tr>
<td>TTAC919</td>
<td>Titanium TTA Cage 9 x 19mm</td>
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<td>Titanium TTA Cage 9 x 22mm</td>
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<td>Titanium TTA Cage 10.5 x 25mm</td>
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<td>TTAC13522</td>
<td>Titanium TTA Cage 13.5 x 22mm</td>
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<tr>
<td>TTAC13525</td>
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<td>TTAC13528</td>
<td>Titanium TTA Cage 13.5 x 28mm</td>
</tr>
<tr>
<td>TTAC1522</td>
<td>Titanium TTA Cage 15 x 22mm</td>
</tr>
<tr>
<td>TTAC1525</td>
<td>Titanium TTA Cage 15 x 25mm</td>
</tr>
<tr>
<td>TTAC1528</td>
<td>Titanium TTA Cage 15 x 28mm</td>
</tr>
<tr>
<td>TTAC1531</td>
<td>Titanium TTA Cage 15 x 31mm</td>
</tr>
</tbody>
</table>

### TTA Cuttable Cages

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TTACUTJ316</td>
<td>Cuttable Cage 3 x 16mm</td>
</tr>
<tr>
<td>TTACUTJ4518</td>
<td>Cuttable Cage 4.5 x 18mm</td>
</tr>
<tr>
<td>TTACUTJ622</td>
<td>Cuttable Cage 6 x 22mm</td>
</tr>
<tr>
<td>TTACUTJ7522</td>
<td>Cuttable Cage 7.5 x 22mm</td>
</tr>
<tr>
<td>TTACUTJ926</td>
<td>Cuttable Cage 9 x 26mm</td>
</tr>
<tr>
<td>TTACUTJ10526</td>
<td>Cuttable Cage 10.5 x 26mm</td>
</tr>
<tr>
<td>TTACUTJ1228</td>
<td>Cuttable Cage 12 x 28mm</td>
</tr>
<tr>
<td>TTACUT13528</td>
<td>Cuttable Cage 13.5 x 28mm</td>
</tr>
<tr>
<td>TTACUT1532</td>
<td>Cuttable Cage 15 x 32mm</td>
</tr>
<tr>
<td>TTACUTJ1</td>
<td>Cuttable Cage Set (9) With Free Cage Cutters</td>
</tr>
<tr>
<td>TTACUTJ1</td>
<td>TTA Cuttable Cage Cutter</td>
</tr>
</tbody>
</table>

## TTA Plates

### Titanium TTA Plate 2 Hole

- TTAP2

### Titanium TTA Plate 3 Hole

- TTAP3

### Titanium TTA Plate 4 Hole

- TTAP4

### Titanium TTA Plate 5 Hole

- TTAP5

### Titanium TTA Plate 6 Hole

- TTAP6

### Titanium TTA Plate 7 Hole

- TTAP7

### Titanium TTA Plate 8 Hole

- TTAP8

## TTA Forks

### Titanium TTA Fork 2 Prong

- TTAF2

### Titanium TTA Fork 3 Prong

- TTAF3

### Titanium TTA Fork 4 Prong

- TTAF4

### Titanium TTA Fork 5 Prong

- TTAF5

### Titanium TTA Fork 6 Prong

- TTAF6

### Titanium TTA Fork 7 Prong

- TTAF7

### Titanium TTA Fork 8 Prong

- TTAF8

## Forkless TTA Plates

### Forkless TTA Plate (Same Length as TTAP3) 2.4+2.7 Screw

- TTAX42

### Forkless TTA Plate (Same Length as TTAP4) 2.4+2.7 Screw

- TTAX52

### Forkless TTA Plate (Same Length as TTAP5) 2.7 Screw

- TTAX65

### Forkless TTA Plate (Same Length as TTAP6) 2.7+3.5 Screw

- TTAX78

### Forkless TTA Plate (Same Length as TTAP7) 3.5 Screw

- TTAX91

### Forkless TTA Plate (Same Length as TTAP8) 3.5 Screw

- TTAX104

### Forkless TTA Plate Set - One of Each Size

- TTAXSET
Titanium Screws

2.4mm Titanium Screws - Cruciate Head

Pilot Drill - 1.8mm

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TICS2408</td>
<td>Titanium 2.4mm Self Tapping Cortical Screw 8mm</td>
</tr>
<tr>
<td>TICS2410</td>
<td>Titanium 2.4mm Self Tapping Cortical Screw 10mm</td>
</tr>
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<td>Titanium 2.4mm Self Tapping Cortical Screw 12mm</td>
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<td>TICS2440</td>
<td>Titanium 2.4mm Self Tapping Cortical Screw 40mm</td>
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2.7mm Titanium Screws - Hexagonal Head

Pilot Drill - 2.0mm

<table>
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<tr>
<th>Code</th>
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<tr>
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<td>TICS2708</td>
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<td>Titanium 2.7mm Self Tapping Cortical Screw 38mm</td>
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<td>TICS2740</td>
<td>Titanium 2.7mm Self Tapping Cortical Screw 40mm</td>
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3.5mm Titanium Screws - Hexagonal Head

Pilot Drill - 2.5mm

<table>
<thead>
<tr>
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<td>Titanium 3.5mm Self Tapping Cortical Screw 38mm</td>
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<tr>
<td>TICS3540</td>
<td>Titanium 3.5mm Self Tapping Cortical Screw 40mm</td>
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Screwbox For Titanium TTA Screws

Drill Bits - Standard Length - Round Shank

<table>
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<tr>
<th>Code</th>
<th>Diameter</th>
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<tr>
<td>H090112</td>
<td>2.5mm</td>
<td>120mm</td>
<td>30mm</td>
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TTA Washers

Stackable titanium washers. Permit adjustments in 1mm increments.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>PW24TI</td>
<td>2.4mm TTA Washer - Titanium</td>
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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%.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>TTASP2</td>
<td>TTA Spacer Titanium 2mm</td>
</tr>
<tr>
<td>TTASP4</td>
<td>TTA Spacer Titanium 4mm</td>
</tr>
<tr>
<td>TTASP6</td>
<td>TTA Spacer Titanium 6mm</td>
</tr>
<tr>
<td>TTASP8</td>
<td>TTA Spacer Titanium 8mm</td>
</tr>
</tbody>
</table>
The TTA procedure does require some essential instruments. Positioning of the fork & cage is impossible without the following instruments.

- **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)
- **TTAPPO** TTA Plate & Fork Overlay
- **TTATAN** Common Tangent TTA/MMT Advancement Overlay

**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

**Forkless Plate Forceps**

Holds 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 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 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 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 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 Instrumentation**

The TTA Instrumentation page contains a list of various instruments required for the TTA procedure, including drill guides, fork holders, plate benders, pins, and overlays. Each instrument is identified by a code, such as TTA554 or TTA777, followed by its description.

**TTA Cage Forceps**

The TTA Cage Forceps are used to manipulate the TTA cage into the correct position. They grasp the cage firmly along the spine, allowing it to be extracted from the case and placed into the tibial crest osteotomy.

**Forkless Plate Forceps**

Forkless Plate Forceps are used to 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.

**TTA Mallet**

The TTA Mallet is a tool used to gently tap the TTA Fork home for maximum stability. It is a 140 gram mallet, which is the ideal weight.

**TTA Saw Guide**

The TTA Saw Guide is a useful tool where the surgeon prefers to use a guide to maintain the position and plane of the cut. It is secure in place with standard fragment forceps and is removed for the final freehand curve at the distal end of the osteotomy. It is suitable for both the right and left leg.

**TTA Cuttable Cage Cutters**

TTA Cuttable Cage Cutters are designed with narrow jaws to fit between the fins of cuttable cages. They are specifically made for TTA cages and are not suitable for other implants due to the slim jaws designed for TTA cages.
**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.

**Implant Tray containing**

- 6mm x 16mm Cage x1
- 7.5mm x 16mm Cage x1
- 7.5mm x 19mm Cage x1
- 9mm x 19mm Cage x1
- 9mm x 22mm Cage x1

**Screws**

- 1x 8mm
- 2x 10mm
- 4x 12mm
- 4x 14mm
- 4x 16mm
- 4x 18mm
- 2x 2.5ml Nanopaste

**TTA Rapid Screw Rack**

TTA rapid screw rack supplied empty, available in 2 sizes.

**TTA Rapid Premium Instrument Kit**

Premium instruments kit contains:

**TTA Rapid Tray with Lid**

TTA Rapid Implant Tray Supplied Empty
TTAR132500000/A
TTA Rapid Instrument Tray Supplied Empty.
TTAR132500010/A

**TTA Rapid Accessories**

- TTA Rapid K Wire Single Trochar Tip 1.2mm x 100mm
- TTA Rapid K Wire Single Trochar Tip 1.5mm x 100mm
- TTA Rapid K Wire Single Trochar Tip 2.5mm x 100mm
- TTA Rapid 1.8mm Twist Drill Bit Round Shaft
- TTA Rapid 2.0mm Drill Bit Round Shaft
- TTA Rapid 3.0mm Drill Bit Round Shaft
- TTA Rapid Twist Drill 1.8mm 125/ 25mm AO Shaft
- TTA Rapid Twist Drill 2.0mm AO Shaft
- TTA Rapid Twist Drill 3.0mm 110/ 85mm AO Shaft

**TTA Rapid Starter Kit contains:**

TTARNEWPREMINST contents as listed below, plus:

**Implant Tray containing**

- 6mm x 16mm Cage x1
- 7.5mm x 16mm Cage x1
- 7.5mm x 19mm Cage x1
- 9mm x 19mm Cage x1
- 9mm x 22mm Cage x1

**Screws**

- 1x 8mm
- 2x 10mm
- 4x 12mm
- 4x 14mm
- 4x 16mm
- 4x 18mm
- (54 Screws in total)

**TTA Rapid Premium Instrument Kit**

**TTA Rapid Lever-Spreader Double Ended 4mm & 6mm Broad** x1
**TTA Rapid Lever-Spreader Double Ended 9mm & 12mm Broad** x1
**TTA Rapid Bending Iron, Double Ended** x1
**TTA Rapid K Wire Single Trochar Tip 2.5mm x 100mm** x1
**TTA Rapid 1.8mm Drill Bit Round Shaft** x1
**TTA Rapid Plate Holding Forceps 16cm Angled** x1
**TTA Rapid Depth Gauge 150mm 60mm** x1
**TTA Rapid Screwdriver Shaft for 2.4 Hex 100mm AO Fitting** x1
**TTA Rapid Holding Sleeve for 2.4 Hex Screws** x1
**2mm TTA Rapid Screwdriver Handle AO Coupling** x1
**TTA Rapid 1.5/1.8 Sleeve/Guide for 2.0mm & 2.4mm Screws** x1
**TTAR132500010/A**
**TTAR Rapid Wire Box for Instruments** x1
**TTAR132400013**
**TTA Rapid L Shape Saw Guide With Pin** x1
**TTAR247010300**
**TTA Rapid Petite Saw Guide With Guide Pin** x1

**TTARNEWPREMINST**

TTA Rapid Premium Instrument Kit
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
TTAR10516 TTA Rapid Cage 10.5/16 Titanium
TTAR10519 TTA Rapid Cage 10.5/19 Titanium
TTAR10522 TTA Rapid Cage 10.5/22 Titanium
TTAR10525 TTA Rapid Cage 10.5/25 Titanium
TTAR1219 TTA Rapid Cage 12/19 Titanium
TTAR1222 TTA Rapid Cage 12/22 Titanium
TTAR1225 TTA Rapid Cage 12/25 Titanium
TTAR1228 TTA Rapid Cage 12/28 Titanium
TTAR13519 TTA Rapid Cage 13.5/19 Titanium
TTAR13522 TTA Rapid Cage 13.5/22 Titanium
TTAR13525 TTA Rapid Cage 13.5/25 Titanium
TTAR13528 TTA Rapid Cage 13.5/28 Titanium
TTAR1519 TTA Rapid Cage 15/19 Titanium
TTAR1522 TTA Rapid Cage 15/22 Titanium
TTAR1525 TTA Rapid Cage 15/25 Titanium
TTAR1528 TTA Rapid Cage 15/28 Titanium

TTA Rapid 2.4mm Titanium Screws - 2.0mm Hex Head

Pilot drill - 1.8mm

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

TTA Rapid - Instrumentation
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.

TTAR132402000  TTA Rapid Bending Iron

TTA Rapid L-Shaped Guide

L-Shaped saw guide for the TTA Rapid technique.

TTAR132404000  TTA Rapid L-Shaped Saw Guide With Pin
TTAR132403010  TTA Rapid Saw Guide Pin
These are used to open the osteotomy incrementally to the required width. The spreaders measure 1mm wider than their stated size to permit insertion of a cage beneath them.

**TTAR132400013**  
TTA Rapid Lever Spreader Double-Ended 3mm & 9mm Broad

**TTAR132401013**  
TTA Rapid Lever Spreader Double-Ended 6mm & 12mm Broad

**TTAR132401513**  
TTA Rapid Lever Spreader Double-Ended 13.5mm & 15mm Broad

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

**TTAR132408016**  
TTA Rapid Universal Spreader

**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

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

**TTAR1640005016**  
Plates Holding Forceps - Angled - 160mm Long

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

**TTAR164007018**  
TTA Rapid 1.5/1.8 Sleeve/Guide for 2.0mm & 2.4mm Screws

Very Large Fragment Forceps With Spinlock 215mm Long

Large Fragment Forceps With Spinlock 180mm Long

Used to remove cages from implant trays.

**TTAR164005016**  
Plate Holding Forceps - Angled - 160mm Long

1.5/2.0 Plate Holding/Drill Guide Forceps 140mm Long  
‘Petite’ TTA Rapid

2.4/2.7 Plate Holding/Drill Guide Forceps 145mm Long  
Standard TTA Rapid

**TTAR164273560**  
Depth Gauge For 2.4mm Screws 150mm Long - Reads To 40mm
**TTA Rapid Petite**

Petite uses 2mm screws, & has dedicated instrumentation including saw guide. Petite is designer for smaller patients such as cats & smaller dogs, where 3mm advancement is sufficient but 2.4mm screws in the tibial tubercle are not appropriate.

**TTA Rapid Cages - Petite**

For use with 2.0mm TTA Rapid Screws.

- TTAR132002308: TTA Rapid Cage Titanium 3/08
- TTAR132002310: TTA Rapid Cage Titanium 3/10
- TTAR132002313: TTA Rapid Cage Titanium 3/13

**TTA Rapid Screws 2.0mm Titanium - Hex Head**

Pilot drill - 1.5mm

- 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

**TTA Rapid Petite Depth Gauge**

- TTAR164152020: TTA Rapid Petite Depth Gauge For 2.0mm Screws

**TTA Rapid L-Shaped Petite Saw Guide**

This guide is used for cage sizes 3 - 4.5mm.

- TTAR132404100: TTA Rapid L-Shaped Petite Saw Guide With Pin

**TTA Rapid Petite Twist Drill**

- TTAR148008015: TTA Rapid Twist Drill Bit 1.5mm Round Shaft
- TTAR148008115: TTA Rapid Twist Drill Bit 1.5mm AO Shaft

**Tiny TTAR Spreader**

- TTAR132-4080-08: 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 Set 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 Screwdriver Shafts (T6 & T8)
- 1 Screwdriver Handle
- 1 Drill Guide

TTAR132650000 Tiny TTA Rapid Set

Tiny TTA Rapid Cages

2.0mm cages use 1.5mm screws. 3.0mm cages use 1.5 or 2.0mm screws. 4.5 & 6mm cages use 2.0mm screws.

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

Pilot drill - 1.1mm

TTAR15STAR05 TTA Rapid Star Drive 1.5mm Screw Titanium 5mm
TTAR15STAR06 TTA Rapid Star Drive 1.5mm Screw Titanium 6mm
TTAR15STAR07 TTA Rapid Star Drive 1.5mm Screw Titanium 7mm
TTAR15STAR08 TTA Rapid Star Drive 1.5mm Screw Titanium 8mm
TTAR15STAR09 TTA Rapid Star Drive 1.5mm Screw Titanium 9mm
TTAR15STAR10 TTA Rapid Star Drive 1.5mm Screw Titanium 10mm
TTAR15STAR12 TTA Rapid Star Drive 1.5mm Screw Titanium 12mm
TTAR15STAR14 TTA Rapid Star Drive 1.5mm Screw Titanium 14mm
TTAR15STAR16 TTA Rapid Star Drive 1.5mm Screw Titanium 16mm
TTAR15STAR18 TTA Rapid Star Drive 1.5mm Screw Titanium 18mm
TTAR15STAR20 TTA Rapid Star Drive 1.5mm Screw Titanium 20mm

TTA Rapid Star Drive 2.0mm Screw Titanium

Pilot drill - 1.5mm

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

Screwdriver Shafts Star Drive

AO connection, self holding (no need for holding sleeve).

TTAR128152015 Star-Drive T6 for 1.5mm Screws
TTAR128152020 Star-Drive T8 for 2.0 & 2.4mm Screws

TTA Rapid L Shape Saw Guide For Tiny Cages

TTAR132404200 TTA Rapid L Shape Saw Guide For Tiny Cages 2 - 6mm

Twist Drills

TTAR148008111 Twist Drill 1.1mm AO Shaft 60mm Long
TTAR148008011 Twist Drill 1.1mm Round Shaft 45mm Long
TTAR148008115 Twist Drill 1.5mm AO Shaft 85mm Long
TTAR148008015 Twist Drill 1.5mm Round Shaft 70mm Long
Patellar Luxation in combination with TTA Rapid

When a dog suffers from a cranial cruciate ligament rupture with a simultaneous patella luxation, this can be addressed by using the Rita Leibinger Tibial Tappet and Patella Luxation Spacers during a modified TTA rapid procedure. Surgical protocol available on request.

Rapid Luxation Plating System

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

Surgical protocol available on request.

Rapid Luxation Set

Set supplied with hex head screws.

The Rapid Luxation Set contains:

- Sterilisation Tray with Lid x1
- Each 2.0mm Screw (6-20mm) (24 in total) x3
- Each 2.4mm Screw (6-40mm) (54 in total) x3
- Each Rapid Luxation Plate (3 pieces in total) x1
- Each Patella Spacers (18 pieces in total) x1
- Large Sawguide with Pin & K-Wire x1
- Petite Sawguide with Pin & K-Wire x1
- Tibia Tappet - Petite x1
- Tibia Tappet - Standard x1
- Screwdriver Handle x1
- Screw Driver Shaft 2.4 + 2.0 with Holding Sleeve x1
- Plate Holding Forceps x1
- Depth Gauge x1
- Drill Guide x1
- Drills 1.5 & 1.8 x1

TTAR132800000 Rapid Luxation Set

Patella Luxation Spacers are made from titanium.

TTAR132801002L TTA Rapid Patellar Luxation Spacer 3 Holes 2mm Height Left
TTAR132801002R TTA Rapid Patellar Luxation Spacer 3 Holes 2mm Height Right
TTAR132801004L TTA Rapid Patellar Luxation Spacer 3 Holes 4mm Height Left
TTAR132801004R TTA Rapid Patellar Luxation Spacer 3 Holes 4mm Height Right
TTAR132801006L TTA Rapid Patellar Luxation Spacer 3 Holes 6mm Height Left
TTAR132801006R TTA Rapid Patellar Luxation Spacer 3 Holes 6mm Height Right

TTAR132802002L TTA Rapid Patellar Luxation Spacer 2 Holes 2mm Height Left
TTAR132802002R TTA Rapid Patellar Luxation Spacer 2 Holes 2mm Height Right
TTAR132802003L TTA Rapid Patellar Luxation Spacer 2 Holes 3mm Height Left
TTAR132802003R TTA Rapid Patellar Luxation Spacer 2 Holes 3mm Height Right
TTAR132802004L TTA Rapid Patellar Luxation Spacer 2 Holes 4mm Height Left
TTAR132802004R TTA Rapid Patellar Luxation Spacer 2 Holes 4mm Height Right

TTAR132803001L TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 1mm Height Left
TTAR132803001R TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 1mm Height Right
TTAR132803002L TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 2mm Height Left
TTAR132803002R TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 2mm Height Right
TTAR132803003L TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 3mm Height Left
TTAR132803003R TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 3mm Height Right
TTAR132803004L TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 4mm Height Left
TTAR132803004R TTA Rapid Petite Tiny Pat Lux Spacer 2 Holes 4mm Height Right

TTA Rapid Tibial Tappet

The uniquely-designed tibial tappet allows you to move the tibial tuberosity very accurately and test functionality of the new position during surgery, before fixating the screws. Once in the desired position you can fixate the patella spacers and screws.

TTAR132407000 TTA Rapid Tibial Tappet Standard 2.4mm
TTAR132407100 TTA Rapid Petite Tiny Tibial Tappet 2.0mm
**Triple Tibial Osteotomy (TTO) Instrumentation**

To view our recently updated Surgery Guide on ‘TTO’, please scan the QR code below.

Dedicated instrumentation as designed by Warrick Bruce is required to make the procedure easier and to minimise errors.

**Original TTO Instrumentation**

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

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Overall Length</th>
<th>Screws in Head</th>
</tr>
</thead>
<tbody>
<tr>
<td>TPLO202026</td>
<td>2.0mm DCP 26mm Overall Length</td>
<td></td>
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</tr>
<tr>
<td>TPLO202031</td>
<td>2.0mm DCP 31mm Overall Length</td>
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<td></td>
</tr>
<tr>
<td>TPLO242434</td>
<td>2.4mm DCP 34mm Overall Length</td>
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<tr>
<td>TPLO242441</td>
<td>2.4mm DCP 41mm Overall Length</td>
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<tr>
<td>TTO272739</td>
<td>2.7mm DCP 39mm Overall Length</td>
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<tr>
<td>TTO272745</td>
<td>2.7mm DCP 45mm Overall Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO273539</td>
<td>2.7/3.5 DCP 39mm Overall Length</td>
<td>Allows Use Of 3.5mm Cancellous Screw In Head</td>
<td></td>
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<tr>
<td>TTO273545</td>
<td>2.7/3.5 DCP 45mm Overall Length 2.5mm Thick</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO353555</td>
<td>3.5mm DCP 55mm Overall Length</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO353557</td>
<td>3.5mm DCP 57mm Overall Length Heavy Duty</td>
<td></td>
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<tr>
<td>TTO353559</td>
<td>3.5mm DCP 59mm Overall Length</td>
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<tr>
<td>TTO353577X</td>
<td>3.5mm DCP 77mm Overall Length Extra Shaft Hole</td>
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<td>3.5mm DCP 79mm Overall Length Heavy Duty</td>
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<tr>
<td>TTO354579</td>
<td>3.5/4.5 DCP 79mm Overall Length Heavy Duty</td>
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<tr>
<td>TTO35456579</td>
<td>79mm Overall Length Heavy Duty</td>
<td>Allows 4.5mm Screws In Head</td>
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<tr>
<td>TTO45659030</td>
<td>4.5mm DCP 90mm Overall Length</td>
<td>Allows 4.5/6.5mm Screws In Head</td>
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<tr>
<td>TTO45659035</td>
<td>4.5mm DCP 90mm Overall Length</td>
<td>Will Accept 6.5mm Cancellous Screws In Head 3.0mm Thick</td>
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<tr>
<td>TTO45659045</td>
<td>4.5mm DCP 90mm Overall Length</td>
<td>Will Accept 6.5mm Cancellous Screws In Head 3.5mm Thick</td>
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</tr>
<tr>
<td>TPLO0</td>
<td>Angle Finder &amp; Plate Overlay</td>
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**Pre-Contoured TTO Plates**

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<tr>
<td>TTO135SSPCR</td>
<td>3.5mm Plate 55mm Overall Length Right</td>
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</tr>
<tr>
<td>TTO135SSLPC</td>
<td>3.5mm Plate 55mm Overall Length Left</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO135SSLPCR</td>
<td>3.5mm Plate 57mm Overall Length Right</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO135SSLPLC</td>
<td>3.5mm Plate 57mm Overall Length Left</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TTO353579PCR</td>
<td>3.5mm Plate 79mm Overall Length Right</td>
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<tr>
<td>TTO353579PLC</td>
<td>3.5mm Plate 79mm Overall Length Left</td>
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### Lateral Suture Starter Kits

To view our revised and updated Surgery Guide on 'Lateral Suture', please scan the QR code below.

![QR Code](image)

### LigaFiba® Lateral Suture With Crimp Starter Kit

The LigaFiba® Lateral Suture With Crimp Starter Kit contains:

<table>
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<th>Quantity</th>
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<tr>
<td>091135M</td>
<td>Compound Action Crimping Forceps for LigaFiba/12-14mm Crimps</td>
<td>x1</td>
</tr>
<tr>
<td>091153</td>
<td>Heavy Duty Needle Driver With Tungsten Jaws</td>
<td>x1</td>
</tr>
<tr>
<td>LFS140TC</td>
<td>LigaFiba Scissors 140mm 5.5” Curved Tungsten Carbide</td>
<td>x1</td>
</tr>
<tr>
<td>LFLSCR150</td>
<td>LigaFiba Lateral Suture Plus Crimp Tube (150 x 500mm)</td>
<td>x2</td>
</tr>
<tr>
<td>LFLSCR250</td>
<td>LigaFiba Lateral Suture Plus Crimp Tube (250 x 500mm)</td>
<td>x2</td>
</tr>
<tr>
<td>LFLSCR500</td>
<td>LigaFiba Lateral Suture Plus Crimp Tube (500 x 600mm)</td>
<td>x2</td>
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The LigaFiba® Lateral Suture With Crimp Starter Kit For Smaller Breeds contains:

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<th>Quantity</th>
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<td>Heavy Duty Needle Driver With Tungsten Jaws</td>
<td>x1</td>
</tr>
<tr>
<td>LFS140TC</td>
<td>LigaFiba Scissors 140mm 5.5” Curved Tungsten Carbide</td>
<td>x1</td>
</tr>
<tr>
<td>LFLSCR75</td>
<td>75 LigaFiba Lateral Suture Plus Crimp Tube</td>
<td>x2</td>
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<tr>
<td>LFLSCR150</td>
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<tr>
<td>LF1SCRTSTER</td>
<td>LigaFiba® Lateral Suture with Crimp Starter Kit</td>
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<td>LF1SCRTSERS</td>
<td>LigaFiba® Lateral Suture with Crimp Starter Kit For Smaller Breeds</td>
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### Nylon Lateral Suture Starter Kits

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<td>091135</td>
<td>Crimping Forceps</td>
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<tr>
<td>091155</td>
<td>50lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091156</td>
<td>80lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091157</td>
<td>100lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091154</td>
<td>CCL Suture System (Swaged on) Basic Kit Crimping Forceps</td>
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</tr>
<tr>
<td></td>
<td>2x Each Size Nylon/Needle/Crimp Sterile Packs</td>
<td></td>
</tr>
</tbody>
</table>

### This Vi Starter Kit contains:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Quantity</th>
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<tr>
<td>091135C</td>
<td>Compound Action Crimping Forceps</td>
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<tr>
<td>091155</td>
<td>50lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091156</td>
<td>80lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091157</td>
<td>100lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
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<tr>
<td>091150</td>
<td>CCL Suture System (Swaged On) Compound Action Kit</td>
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<td></td>
<td>2x Each Size Nylon/Needle/Crimp Sterile Packs</td>
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### This Vi Starter Kit contains:

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<th>Code</th>
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<tr>
<td>091135</td>
<td>Crimping Forceps</td>
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<tr>
<td>091153</td>
<td>Heavy Duty Needle Driver</td>
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<tr>
<td>091155</td>
<td>50lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091156</td>
<td>80lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091157</td>
<td>100lb Nylon Line with Swaged on Needle &amp; Crimp</td>
<td>x2</td>
</tr>
<tr>
<td>091151</td>
<td>CCL Suture System (Swaged On) Basic Kit Plus Crimping Forceps</td>
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<tr>
<td></td>
<td>Forceps 2x Each Size Nylon/Needle/Crimp Sterile Packs</td>
<td></td>
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<tr>
<td></td>
<td>Plus Heavy Duty Needleholders</td>
<td></td>
</tr>
</tbody>
</table>

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To view our revised and updated Surgery Guide on 'Lateral Suture', please scan the QR code below.
Lateral Suture Using LigaFiba®

LigaFiba® Lateral Sutures

Extreme strength, minimal stretch & good abrasion-resistance 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 with size-appropriate cruciate needle on one end and a straight round bodied needle at the other. Supplied sterile.

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

Double LigaFiba® Lateral Suture

Double strand presentation with no crimps. Supplied sterile.

LFLS250D Double 250 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 join 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 75 LigaFiba® Lateral Suture (300mm) + Crimp
LFLSCR150 150 LigaFiba® Lateral Suture (500mm) + Crimp
LFLSCR250 250 LigaFiba® Lateral Suture (500mm) + Crimp
LFLSCR250D Double 250 LigaFiba® Lateral Suture (500mm) with 2 Crimps
LFLSCR500 500 LigaFiba® Lateral Suture (600mm) + Crimp

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.

LFCRIMP75 Crimp for 75 LigaFiba®
LFCRIMP150 Crimp for 150 LigaFiba®
LFCRIMP250 Crimp for 250 LigaFiba®
LFCRIMP500 Crimp for 500 LigaFiba®

LigaFiba® Crimps

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

LFCRIMP75 Crimp for 75 LigaFiba®
LFCRIMP150 Crimp for 150 LigaFiba®
LFCRIMP250 Crimp for 250 LigaFiba®
LFCRIMP500 Crimp for 500 LigaFiba®
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. Re-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 passes 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.

Double Leader Line Loop on Needle

For use with McKee/Miller knot.

Sterile Leader Line + Crimp

For use with separate Fabella (Cruciate) Needles.

ViPP

Through a true partnership approach, you can deliver quantifiable rewards for you and your Practice by joining our Veterinary Instrumentation Partnership Programme.

To find out more, scan the QR code below.
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 use our sterile procedure packs which include swaged on needle & appropriate crimps. Some surgeons prefer to use non swaged on needles although do 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

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 chose to go up a size at their own discretion.
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.

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

Correct Crimping

Correct.
Three evenly spaced crimps

Incorrect.
Not enough crimps

Incorrect.
Crimps too close to end of tube

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

Simple tension device requiring a pair of standard Gelpis.

091132P CCL Tensioning Device (Pair)

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.

091132A CCL Loop Tensioner 175mm

Lateral Suture Tension Device

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.

091158 Lateral Suture Tensioner 170mm
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 lateral suture.

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

Countersinking Bone Tunnel Borer - Modular Set

In order to minimise abrasion of the nylon as it passes through the bone tunnel, countersinking the hole is advisable.

001075M  Bone Tunnel Borer With Countersink Modular Set

Fixed Handle Bone Tunnel Borer

001070X  Fixed Handle Bone Tunnel Borer 2mm
001071X  Fixed Handle Bone Tunnel Borer 2.7mm
001072X  Fixed Handle Bone Tunnel Borer 3.5mm
001073X  Fixed Handle Bone Tunnel Borer 2.5mm

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

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

Training & Education

Our new e-learning platform delivers a variety of technical and clinical educational material, in an engaging and interactive format.

And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
Lateral Button Suture

To view our revised and updated Surgery Guide on 'Lateral Button Suture', please scan the QR code below.

![Lateral View](image1)

![Medial View](image2)

LigaFiba® Lateral Button Suture

LigaFiba® Lateral Titanium Button Suture

To view our revised and updated Surgery Guide on 'Lateral Button Suture', please scan the QR code below.

![Lateral View](image1)

![Medial View](image2)

LigaFiba® Lateral Button Suture With Crimp Starter Kit

The LigaFiba® Lateral Titanium Button Suture With Crimp Starter Kit - Standard contains:

- **091135M** Compound Action Crimping Forceps for LigaFiba/12-14mm Crimps x1
- **091153** Heavy Duty Needle Driver With Tungsten Jaws x1
- **LFS140TC** LigaFiba Scissor 140mm 5.5” Curved Tungsten Carbide x1
- **LFLBS150TI** 150 LigaFiba Lateral Button Suture Ti Button x2
- **LFLBS250TI** 250 LigaFiba Lateral Button Suture Ti Button x2
- **LFLBS500TI** 500 LigaFiba Lateral Button Suture Ti Button x2

The LigaFiba® Lateral Titanium Button Suture With Crimp Starter Kit - Small contains:

- **091135M** Compound Action Crimping Forceps for LigaFiba/12-14mm Crimps x1
- **091153** Heavy Duty Needle Driver With Tungsten Jaws x1
- **LFS140TC** LigaFiba Scissor 140mm 5.5” Curved Tungsten Carbide x1
- **LFLBS75TI** 75 LigaFiba Lateral Button Suture Ti Button x2
- **LFLBS150TI** 150 LigaFiba Lateral Button Suture Ti Button x2
- **LFLBS250TI** 250 LigaFiba Lateral Button Suture Ti Button x2

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

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

**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 chose to go up a size at their own discretion.
**Nylon Lateral Button Suture Starter Kit**

The Nylon Lateral Titanium Button Starter Kit contains:

- 09113S  Crimping Forceps Standard  x1
- 09115J  Heavy Duty Needle Driver With Tungsten Jaws  x1
- H090102AS  2.0mm Anti Skid Round Shank Drill Hard  x1
- H090112AS  2.5mm Anti Skid Round Shank Drill Hard  x1
- H090145SASL  3.5mm Anti Skid Round Shank Drill Hard - Long  x1
- NLBS50TI  50lb Nylon Lateral Button Suture Titanium Button  x2
- NLBS80TI  80lb Nylon Lateral Button Suture Titanium Button  x2
- NLBS100TI  100lb Nylon Lateral Button Suture Titanium Button  x2

**Nylon Lateral Button Suture**

The Isotoggle 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.

The Isotoggle Starter Kit contains:

- LFITS250TI  LigaFiba Isotoggle Suture 250 TI  x2
- LFITS500TI  LigaFiba Isotoggle Suture 500 TI  x2
- H090112AS  2.5mm Anti Skid Round Shank Drill Hard  x1
- H090145SASL  3.5mm Anti Skid Round Shank Drill Hard - Long  x1

**Isotoggle 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.
**Isotoggle Consumables**

**Drill Bits**

- H090102AS 2.0mm Anskid Drill (150) 100mm
- H090112AS 2.5mm Anskid Drill (250) 115mm
- H0901065AS/L 3.5mm Anskid Drill (500) 180mm

**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

**Suture Screws**

Suture screws are a self-capping 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.

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

**The Suture Screw Set contains:**

- Box and Insert for Suture Anchor Set (Not sold separately) x1
- SSITUN Universal Insertion Tool for all Suture Screws x1
- SS2006 Suture Screw Cortical 2.0mm x 6mm x2
- SS2010 Suture Screw Cortical 2.0mm x 10mm x2
- SS2708 Suture Screw Cortical 2.7mm x 8mm x2
- SS2714 Suture Screw Cortical 2.7mm x 14mm x2
- SS3512 Suture Screw Cortical 3.5mm x 12mm x2
- SS3520 Suture Screw Cortical 3.5mm x 20mm x2
- SS4016 Suture Screw Cancellous 4.0mm x 16mm x2
- SS4024 Suture Screw Cancellous 4.0mm x 24mm x2
- LF150500 LigaFiba® Isotoggle Interference Screw 150 x 500mm (Sterile) x1
- LF250600 LigaFiba® Isotoggle Interference Screw 250 x 600mm (Sterile) x1
- LF500600 LigaFiba® Isotoggle Interference Screw 500 x 600mm (Sterile) x1

**The LigaFiba® Isotoggle Interference Screw**

The LigaFiba® 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.

- LFIS23518S Interference Screw 3.5mm Stainless 18mm
- LFIS23518TI Interference Screw 3.5mm Titanium 18mm
- LFIS34523SS Interference Screw 4.5mm Stainless 23mm
- LFIS34523TTI Interference Screw 4.5mm Titanium 23mm

**Suture Anchor Pin**

A threaded suture anchor is machined into the tip of a trochar pin. Initially 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.

- LF150500 150 LigaFiba® x 500mm <15kg
- LF250600 250 LigaFiba® x 600mm 15 - 30kg
- LF500600 500 LigaFiba® x 600mm >30kg
Meniscus Surgery

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 integrity

• Any lesions discovered must be treated/managed as appropriate

The Enhanced Meniscus Surgery Set contains:

001112 Stifle Distractor (Spread: Min. 8mm, Max 30mm) x 1
001113 Small Joint Distractor 140mm Long 6mm Wide Tips x 1
06054 Vi Fine Stainless Steel Beaver Type Scalpel Handle 130mm x 1
05905 Fine Stainless Steel Blades Sm65 (Box of 25) x 1
103180 Halstead Mosquito Forceps Straight 5” 125mm - 1/2 Teeth x 1
001048 Mini Hohman Retractor 8mm Short Tip x 1
AR-17-11X Meniscus Push Knife Knurled Stainless Handle x 1
AR-17-19X Meniscus Hook Knife Knurled Stainless Handle x 1
001409 2mm Meniscus Probe Nerve Hook 2mm x 1
BX221250 Stainless Steel Box 220mm x 120mm x 50mm x 1
BX SIL2212 Silicone Insert for Box 220mm x 120mm x 1

Loan Kits

For a nominal fee, we 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.

To find out more, scan the QR code below.
**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**

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

**Arthroscopic Stifle Lever VSTL**

The arthroscopic stifle lever 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

**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 Ser 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.

- 001107 Meniscectomy Knife 165mm
- 001110 Ligament/Cartilage Clamp 140mm
- 001100 Meniscectomy Instrument Set (As above)
**Stifle Distractors**

When closed, the tips of the Stifle Distractor overlap. This reduces the profile of the tips and minimises the chance of iatrogenic damage when inserting the device into the joint space.

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 distraction (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

**Small Stifle Distractor**

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

**Very Small Stifle 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.

**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.

**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.
Gelpi Self Retaining Retractor

Available as singles or sets of two.

- 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

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

Email Marketing Service

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Patellar Luxation

To view our revised and updated Surgery Guide on ‘Patellar Luxation’ please scan the QR code below.

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)

Orthopaedic Hard Back Saw

Made from stainless steel. The stiff back helps to guide the 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.

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 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
001380SCREW  Spare Screw For Modular Osteotome
TBHEX40  4.0mm T Bar Hex Driver

001000  Adjustable Bone Saw c/w 5 Fine Blades
001001-A  Spare Fine Blades Pack of 5 Chrome Plated
001002  Coarse Stainless Blade
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

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

Trochlea Rasp

Designed for deepening the trochlea groove. 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

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

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.

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 layout 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
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 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 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 150 LigaFiba®, Titanium Button - Sterile
HIPTOGLF250TI 3mm Hip Toggle c/w 250 LigaFiba®, Titanium Button - Sterile
HIPTOGLF250MTI 2.5mm Hip Toggle c/w 250 LigaFiba®, Titanium Button - Sterile
HIPTOG-S 80lb Nylon c/w 3mm Hip Toggle &Titanium Button
HIPINTLFL250 HIPINTLFL250 3mm Hip Toggle 80lb Nylon & Ormrod Button
HIPTOGKTLF Contains introducer, Hip Toggle with 250LigaFiba®
ADJDG2035 Drill Guide 2.5 & 4.5mm 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)

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 250 LigaFiba® 4.5mm drill
   3mm Toggle plus 80lb Nylon 4.8mm drill
   2.5mm Toggle plus 250 LigaFiba® 4mm drill
   2mm Toggle plus 150 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. Visually assess positioning/drill placement
   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 range 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-arterially, does not cause a problem. Complications/failure with the Hip Toggle system may be higher in giant breed dogs.
Hohman Retractors
A simple but multi-functional instrument, with a wide number of variations to cover different procedures, patients & surgeons' requirements.

Hohman Retractors With Short Tips
18mm & 12mm Blades

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.

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

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.

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:

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>&gt;30kg</td>
</tr>
<tr>
<td>Medium</td>
<td>10 - 30kg</td>
</tr>
<tr>
<td>Small</td>
<td>&lt;10kg</td>
</tr>
</tbody>
</table>

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  
001030SET 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

**Gigli**

<table>
<thead>
<tr>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Gigli Saw Handles</td>
<td>&gt;30kg</td>
</tr>
<tr>
<td>Medium Gigli Saw</td>
<td>10 - 30kg</td>
</tr>
<tr>
<td>Small Gigli Wire Spool</td>
<td>&lt;10kg</td>
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</tbody>
</table>

001014 Pair of Handles For Gigli Wire  
001016 Gigli Saw 300mm  
001017 Gigli Saw 500mm  
001018 Gigli Wire Passer  
001019 Gigli Wire Spool 10m

**Goniometers**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>HE-GONIO</td>
<td>Femoral Neck Goniometer</td>
</tr>
<tr>
<td>GONIO</td>
<td>Goniometer 150mm</td>
</tr>
<tr>
<td>GONIO1</td>
<td>Goniometer 300mm</td>
</tr>
<tr>
<td>GONIO3</td>
<td>Goniometer 340mm</td>
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</tbody>
</table>

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**Femoral Head & Neck Excision 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)

**Training & Education**

Our **new e-learning platform** delivers a variety of technical and clinical educational material, in an engaging and interactive format.

And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
BIOCERA-VET Portfolio

We are delighted to announce a new and exclusive distribution partnership with TheraVet bringing the BIOCERA-VET portfolio to our customers across the UK and Ireland.

The BIOCERA-VET BONE SURGERY range includes:

• BIOCERA-VET BONE SURGERY RTU; a ready-to-use, highly injectable, self-hardening calcium phosphate bone substitute.
• BIOCERA-VET GRANULES; an affordable, biocompatible calcium-phosphate bone substitute.
• BIOCERA-VET SMARTGRAFT; a naturally osteoconductive bone graft.

The range is indicated for surgeries requiring a bone graft, such as arthrodesis, fractures, corrective osteotomies and tibial tuberosity advancement (TTA).

Also available to order is BIOCERA-VET OSTEOSARcoma RTU, which is a ready-to-use, calcium phosphate bone substitute for cementoplasty. Cementoplasty with BIOCERA-VET OSTEOSARCOMA provides a new palliative solution for dogs presenting with osteosarcoma. By strengthening the bone, cementoplasty helps to relieve pain and improve quality of life.

*Available to order at Vi for UK & Ireland customers only
**See product IFU for further details

BIOCERA-VET® Bone Surgery RTU
(Ready To Use)

BIOCERA-VET® BONE SURGERY RTU, ready-to-use highly injectable self-hardening calcium-phosphate cement, is made from tricalcium phosphate and ortho-phosphate salts that after crystallization give rise to calcium-deficient apatite crystals. This is chemically close to the mineral components in natural bone. Therefore, BIOCERA-VET becomes well integrated in the bone matrix, resorbed by osteoclasts, and progressively replaced by newly-formed bone.

BIOCERA-VET has a full range of micro, meso and macropores that makes it highly porous. This supports osteoconduction, facilitates cell colonization and biological fluid penetration, which promote bone remodeling and formation. In addition, once injected, BIOCERA-VET makes close contact with the adjacent bone, providing mechanical support and promoting new bone formation. Its highly injectable and fast self-setting properties give you the possibility to save time and improve the efficiency of your bone surgeries.

BCV-RTU-001 BIOCERA-VET Bone Surgery RTU 1cc
BCV-RTU-002 BIOCERA-VET Bone Surgery RTU 3cc

BIOCERA-VET® Bone Surgery Granules

BIOCERA-VET® GRANULES is a synthetic bone substitute made of calcium-deficient apatite (CDA) crystals, chemically close to the mineral composition of the natural bone.

BCV-G-001 BIOCERA-VET Bone Surgery Granules 5x1cc
BCV-G-002 BIOCERA-VET Bone Surgery Granules 3x3cc
BCV-G-003 BIOCERA-VET Bone Surgery Granules 3x5cc

BIOCERA-VET® Bone Surgery Smart Graft

BIOCERA-VET® SMARTGRAFT is made of a bovine mineral bone matrix, biodegradable polymers and collagen fragments. BIOCERA-VET SMARTGRAFT is a tissue-engineering technology allowing the patient's cells to grow quickly and efficiently into the bone substitute while the biopolymers degrade, providing integration and osteogenesis.

The microstructure of the composite matrix is strongly similar to natural bone in terms of interconnected and mid-sized porosity promoting osteoconductivity. Its high wettability and hydrophilicity are ideal to support the bone formation process.

TVB102010 BIOCERA-VET Bone Surgery Smarget Fine 2.5cc
TVB102020 BIOCERA-VET Bone Surgery Smarget Fine 5cc
TVB251005 BIOCERA-VET Bone Surgery Smarget Ultrafine 1cc
TVB251020 BIOCERA-VET Bone Surgery Smarget Ultrafine 3.5cc

BIOCERA-VET® Osteosarcoma Ready To Use

Osteosarcoma is the most common type of bone cancer in dogs. Chemotherapy, limb-sparing procedure and/or amputation remain the mainstay of treatment. However, it is not always feasible.

Cementoplasty with BIOCERA-VET® OSTEOSARCOMA RTU provides a palliative solution, improving the quality of life of the patient suffering from osteosarcoma. Its percutaneous injection into lytic bone increases the bone’s mechanical strength, reduces pain and the risk of pathological fractures, therefore providing a minimally invasive, lower-cost, and clinically valuable alternative to amputation.

BCV-RTU-003 BIOCERA-VET Osteosarcoma RTU 12cc
BCV-RTU-004 BIOCERA-VET Osteosarcoma RTU 2x12cc
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 morcelised 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.

NanoPaste Bone Substitute

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. Applications include: joint arthrodesis, TTA Rapid, non-unions, delayed unions & filling spine cages.

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

Graft Selection

<table>
<thead>
<tr>
<th>Osteoinduction</th>
<th>DBM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Osteoconduction</td>
<td>Cancellous Chips</td>
</tr>
<tr>
<td>Osteoconduction &amp; osteoinduction</td>
<td>DBM Putty/Fibres</td>
</tr>
</tbody>
</table>

DBM Products

- **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
- **C0401**: Cancellous Chips Feline <2mm Chip Size Fine 1cc
- **C0403**: Cancellous Chips Feline <2mm Chip Size Fine 3cc
- **C0405**: Cancellous Chips Feline <2mm Chip Size Fine 5cc

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

Arthroscopy Set Contains:
AR-17-19X
AR-17-11X
AR-17-10
AR-17-SET Arthroscopy Hand Instrument Set.
AR-17-19X Meniscus Hook Knife Blade Knurled Stainless Handle
AR-17-19XS 3mm Meniscus Hook Knife Blade Knurled Stainless Handle 150mm
AR-17-11X Push Knife
AR-17-10 Hook Probe 2.2mm, With Stainless Handle Black Shaft

External Stifle Distractor

Developed originally for arthroscopic use but also useful in open surgery on very tight osteoarthritic stifles. Improves visibility in the joint by reducing clutter.

AR-17-01 Extra Articular Stifle Distractor 2.5mm Pins 80mm
AR-17-01/TPLO Extra Articular Stifle Distractor 3.2mm Pins 80mm

Arthroscopic Stifle Lever VSTL

The arthroscopic stifle lever 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

Arthroscopic Hand Instruments

Hook Probe

AR-17-09S Hook Probe 2.2mm 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

Smilie Knife

AR-17-11S Smilie Knife 2.7mm With Silicon Handle

Hook Knife

AR-17-19S Hook Knife 2.7mm With Silicon Handle
Milling Drill Designed by Van Ryssen & Van Bree

This hand-driven bur allows curretage 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)

2.7mm Instruments

2.7mm Instruments - working length 12cm with overstraining protection.

Alligator Grasping Forceps

AS-17-662 Alligator Grasping Forceps With Rachet 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

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 sub synovial 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 2.4mm Scope T140-2432 & Changing Rod I-17-028
S110-1930F Aiming Device By Dr Lehman For The Canine Shoulder For 1.9mm Scope T110-1930 & Changing Puncture Rod I-17-028

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-18-518 Egress Cannula, With Sharp Trochar Stopcock ID 2.7mm WL 7cm

Hand Pressure Infusion Cuffs

AR-08-100 Pressure Infusion Cuff For 500-1000ml Complete With Pressure Gauge & Hand Pump Reusable

Camera Covers

DE-10-25 Camera Cover Disp Polyethylene 13 x 235cm Sterile Pack of 30
DE-10-25-SINGLE Single Camera Cover Disposable 13 x 235cm Sterile
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.

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.

Helica Screw Acetabular Cups

Helica TPS Stems

Surgeons contemplating use of the Helica system must attend a recognised training course.
Helica TPS Flanges

HE-HF3-T18.5  TPS Helica Flange 18.5mm (Inc 1 Locking Nut)
HE-HF3-T20   TPS Helica Flange 20.0mm (Inc 1 Locking Nut)
HE-HF3-T22   TPS Helica Flange 21.5mm (Inc 1 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

Inlay Options for Screw Cup

“Snap”
“Non Constrained”

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 Inlays Constrained

HE-AL1-P22   Helica 22mm Inlay
HE-AL1-P24   Helica 24mm Inlay
HE-AL1-P26   Helica 26mm Inlay
HE-AL1-P28   Helica 28mm Inlay
HE-AL1-P30   Helica 30mm Inlay
HE-AL1-P32   Helica 32mm Inlay

Helica Inlays Non-Constrained

HE-AL1-P24-NC Helica 24mm Inlay Non Constrained
HE-AL1-P26-NC Helica 26mm Inlay Non Constrained
HE-AL1-P28-NC Helica 28mm Inlay Non Constrained
HE-AL1-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

CemtA Stems

HE-CS1-C-04  CemtA Stem #4
HE-CS1-C-05  CemtA Stem #5
HE-CS1-C-06  CemtA Stem #6
HE-CS1-C-07  CemtA Stem #7
HE-CS1-C-08  CemtA Stem #8

CemtA Cups

HE-CC1-P-01  CemtA Cup 21mm
HE-CC1-P-02  CemtA Cup 23mm
HE-CC1-P-04  CemtA Cup 25mm
HE-CC1-P-05  CemtA Cup 27mm
HE-CC1-P-06  CemtA Cup 29mm

15mm Femoral Heads

HE-FH1-15-S  15mm Femoral Head Small
HE-FH1-15-M  15mm Femoral Head Medium
HE-FH1-15-L  15mm Femoral Head Large
HE-FH1-15-XL 15mm Femoral Head Extra Large
HE-FH1-15-XXL 15mm Femoral Head Extra Extra Large

Cement Restrictor

HE-CR1-P-01  Cement Restrictor Size 1
HE-CR1-P-02  Cement Restrictor Size 2

Hip Fixation & Navigation Device

During Total Hip Replacement procedure, correct placement of the acetabular cup is essential. This navigation device gently positions the patient & 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.
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 for secure storage between uses.

**Bone Cement**

**DePuy CMW Bone Cement**

Designed for Total Hip Replacement. CMW is the industry standard. 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.

160500  CMW1 With Gentamycin 20g
160501  CMW2 With Gentamycin 20g
160503  CMW3 With Gentamycin 20g
160504  CMW3 With Gentamycin 40g

**Veterinary Instrumentation Bone Cement**

- **BC1**  High Viscosity 20g
- **BC1G**  High Viscosity 20g With Gentamycin
- **BC3G**  Low Viscosity (Syringe) 20g With Gentamycin
Internal Fixation

To view the Internal Fixation section of our website, please scan the QR code.
Plating Kits In Modular Plating Box (MPB) Concept

To view our recently released Surgery Guide on ‘The Essentials of Fracture Management’ please scan the QR code below.

Locking Plate & Screw Kit

Our MPB locking kits contain plates, screws & required instrumentation.

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LS15STARDLPKITALLMPB</td>
<td>1.5mm Locking Screw Star Head &amp; DLP Plate Kit in MPB</td>
</tr>
<tr>
<td>LS20STARDLPKITALLMPB</td>
<td>2.0mm Locking Screw Star Head &amp; DLP Plate Kit in MPB</td>
</tr>
<tr>
<td>LS24STARDLPKITALLMPB</td>
<td>2.4mm Locking Screw Star Head &amp; DLP Plate Kit in MPB</td>
</tr>
<tr>
<td>LS27STARDLPKITALLMPB</td>
<td>2.7mm Locking Screw Star Head &amp; DLP Plate Kit in MPB</td>
</tr>
<tr>
<td>LS35STARDLPKITALLMPB</td>
<td>3.5mm Locking Screw Star Head &amp; DLP Plate Kit in MPB</td>
</tr>
</tbody>
</table>

Combined Dynamic Locking Plate Kits

Our combined DLP kits contain the most popular size combinations of DLP plates and combined screw caddies, which includes both star drive locking and star drive cortical screws.

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DLP2024KIT-MPB</td>
<td>DLP Plating Kit 2.0/2.4 Mix Star Lock &amp; Cort Screw Caddies</td>
</tr>
<tr>
<td>DLP2735KIT-MPB</td>
<td>DLP Plating Kit 2.7/3.5 Mix Star Lock &amp; Cort Screw Caddies</td>
</tr>
</tbody>
</table>

Star Drive Cortical Self Tapping Kits

CORTSTPKITSTAR152024MPB | 1.5/2.0/2.4mm Complete Self Tapping Star Drive Screw Cortical Kit |
CORTSTPKITSTAR2735MPB | 2.7/3.5mm Complete Self Tapping Star Drive Screw Cortical Kit |

Hex Head Cortical Self Tapping Kits

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CORTSTKIT1.5/2MPB</td>
<td>1.5/2.0mm Star Tapping Cortical Kit In MPB</td>
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<tr>
<td>CORTSTKIT1.5MPB</td>
<td>1.5mm Star Tapping Cortical Kit In MPB</td>
</tr>
<tr>
<td>CORTSTKIT2.0MPB</td>
<td>2.0mm Star Tapping Cortical Kit In MPB</td>
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<tr>
<td>CORTSTKIT24MPB</td>
<td>2.4mm Star Tapping Cortical Kit In MPB</td>
</tr>
<tr>
<td>CORTSTP152024MPB</td>
<td>1.5/2.0/2.4mm Self Tapping Cortical Kit In MPB</td>
</tr>
<tr>
<td>CORTSTP2735MPB</td>
<td>2.7/3.5mm Self Tapping Cortical Kit In MPB</td>
</tr>
<tr>
<td>CORTSTKIT4.5MPB</td>
<td>4.5mm Self Tapping Cortical Kit In MPB</td>
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Cruciate Head Cortical Self Tapping Kit

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<th>Description</th>
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<td>CORTSXTP152024MPB</td>
<td>1.5/2.0/2.4mm Cortical Self Tapping Cruciate Head Kit In MPB</td>
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Locking Screw Sets

<table>
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<th>Kit Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>LS15STARKITMPB</td>
<td>1.5 Star Drive Locking Screw Set</td>
</tr>
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<td>LS20STARKITMPB</td>
<td>2.0 Star Drive Locking Screw Set</td>
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<tr>
<td>LS24STARKITMPB</td>
<td>2.4 Star Drive Locking Screw Set</td>
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<tr>
<td>LS27STARKITMPB</td>
<td>2.7 Star Drive Locking Screw Set</td>
</tr>
<tr>
<td>LS35STARKITMPB</td>
<td>3.5 Star Drive Locking Screw Set</td>
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Combined Screw Sets

The screw caddies contain both star drive locking and star drive cortical screws.

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPBSC15-MIX</td>
<td>1.5mm Screw Caddy With Star Drive Locking &amp; Cortical Screws</td>
</tr>
<tr>
<td>MPBSC20-MIX</td>
<td>2.0mm Screw Caddy With Star Drive Locking &amp; Cortical Screws</td>
</tr>
<tr>
<td>MPBSC24-MIX</td>
<td>2.4mm Screw Caddy With Star Drive Locking &amp; Cortical Screws</td>
</tr>
<tr>
<td>MPBSC27-MIX</td>
<td>2.7mm Screw Caddy With Star Drive Locking &amp; Cortical Screws</td>
</tr>
<tr>
<td>MPBSC35-MIX</td>
<td>3.5mm Screw Caddy With Star Drive Locking &amp; Cortical Screws</td>
</tr>
</tbody>
</table>

Cortical Screw Sets

Star drive cortical screw sets in modular plating box screw caddy.

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MPBSC15-SDCS</td>
<td>1.5mm Screw Caddy With Star Drive Cortical Screws</td>
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<tr>
<td>MPBSC20-SDCS</td>
<td>2.0mm Screw Caddy With Star Drive Cortical Screws</td>
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<td>MPBSC24-SDCS</td>
<td>2.4mm Screw Caddy With Star Drive Cortical Screws</td>
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<tr>
<td>MPBSC27-SDCS</td>
<td>2.7mm Screw Caddy With Star Drive Cortical Screws</td>
</tr>
<tr>
<td>MPBSC35-SDCS</td>
<td>3.5mm Screw Caddy With Star Drive Cortical Screws</td>
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</tbody>
</table>

Hex drive cortical self tapping screw sets in modular plating box screw caddy.

<table>
<thead>
<tr>
<th>Kit Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>MPBSC15-CSST</td>
<td>1.5mm Screw Caddy With Self Tap Cortical Screws</td>
</tr>
<tr>
<td>MPBSC20-CSST</td>
<td>2.0mm Screw Caddy With Self Tap Cortical Screws</td>
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<td>MPBSC24-CSST</td>
<td>2.4mm Screw Caddy With Self Tap Cortical Screws</td>
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<tr>
<td>MPBSC27-CSST</td>
<td>2.7mm Screw Caddy With Self Tap Cortical Screws</td>
</tr>
<tr>
<td>MPBSC35-CSST</td>
<td>3.5mm Screw Caddy With Self Tap Cortical Screws</td>
</tr>
</tbody>
</table>

Full kit lists are available upon request.
Modular Plating Box Components

Modular Plating Box Base & Lid

- **MPBB**: Modular Plating Box Base
- **MPBL**: Modular Plating Box Lid

Modular Plating Box Instrument Trays

- **MPBIT15**: 1.5/2.0mm MPB Instrument Tray
- **MPBIT24**: 2.4mm MPB Instrument Tray
- **MPBIT2735**: 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 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 Screw Caddies

- **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
Dynamic Locking Plate Kits In Premium Box

Our locking kits in anodised aluminium premium box contain plates, screws & required instrumentation. The full kit list is available upon request.

- LS15STARDLPKITALL 1.5mm Locking Screw Star Head & DLP Plate Kit in Prem Box
- 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

Stacked Hole Locking Plate Kits In Premium Box

- LS20STARKITALL 2.0mm Locking Screw (Star Head) & Plate Kit in Prem Box
- LS24STARKITALL 2.4mm Locking Screw (Star Head) & Plate Kit in Prem Box
- LS27STARKITALL 2.7mm Locking Screw (Star Head) & Plate Kit in Prem Box
- LS35KITALL 3.5mm Locking Screw (Hex Head) & Plate Kit in Prem Box

Cortical Self Tapping Kits In Premium Box

Our self tapping cortical kits in anodised aluminium premium box contain plates, screws & required instrumentation. The full kit list is available upon request.

- CORTSTKIT1.5 1.5mm Cortical Self Tapping Kit In Premium Box
- CORTSTKIT2.0 2.0mm Cortical Self Tapping Kit In Premium Box
- CORTSTKIT2.4 2.4mm Cortical Self Tapping Kit In Premium Box
- CORTSTKIT2.7 2.7mm Cortical Self Tapping Kit In Premium Box
- CORTSTKIT3.5 3.5mm Cortical Self Tapping Kit In Premium Box

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

The full kit list is available upon request.

- 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

Cortical Kits In Stainless Box

Our cortical & cortical self tapping kits in stainless box contain plates, screws & required instrumentation. The full kit list is available upon request.

- CORTKIT1.5 1.5mm Cortical Self Tapping Kit In Stainless Box
- CORTKIT2.0 2.0mm Cortical Self Tapping Kit In Stainless Box
- CORTKIT2.4 2.4mm Cortical Self Tapping Kit In Stainless Box
- CORTKIT2.7 2.7mm Cortical Self Tapping Kit In Stainless Box
- CORTKIT3.5 3.5mm Cortical Self Tapping Kit In Stainless Box

1.0mm Plating Kit

Management of fractures in dogs 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. The full kit list is available upon request.

- CORTSTP1.0 1.0mm Plating Kit In Premium Box

Locked Screw Sets

Available with either Hex (3.5mm only) or Star Drive Head. The full kit list is available upon request.

- LS15STARKIT 1.5mm Star Drive Locking Screw Set
- LS20STARKIT 2.0mm Star Drive Locking Screw Set
- LS24STARKIT 2.4mm Star Drive Locking Screw Set
- LS27STARKIT 2.7mm Star Drive Locking Screw Set
- LS35STARKIT 3.5mm Star Drive Locking Screw Set
- LS35KIT 3.5mm Hex Drive Locking Screw Set
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

<table>
<thead>
<tr>
<th>Patient Weight in Kg</th>
<th>0</th>
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</tbody>
</table>

Key
- CM: Cuttable
- Malleable
- RCN: Reconstruction
- ACE: Acetabular
- B: Broad

Vi Plate Selection Chart
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

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.

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.

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.

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.

For scaled plate profiles, please view the Plate Profile chapter.
## Vi Dynamic Locking Plates

To view our recently released Surgery Guide on ‘Fixation of Long Bone (Diaphyseal) Fractures Using Locking Plates and Screws’ please scan the QR code below.

### 1.5mm Vi Dynamic Locking Plates

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>DLP504024</td>
<td>1.5mm Dynamic Locking Plate 4 Hole 24mm Long</td>
</tr>
<tr>
<td>DLP505030</td>
<td>1.5mm Dynamic Locking Plate 5 Hole 30mm Long</td>
</tr>
<tr>
<td>DLP506036</td>
<td>1.5mm Dynamic Locking Plate 6 Hole 36mm Long</td>
</tr>
<tr>
<td>DLP507042</td>
<td>1.5mm Dynamic Locking Plate 7 Hole 42mm Long</td>
</tr>
<tr>
<td>DLP508048</td>
<td>1.5mm Dynamic Locking Plate 8 Hole 48mm Long</td>
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<td>DLP509054</td>
<td>1.5mm Dynamic Locking Plate 9 Hole 54mm Long</td>
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<tr>
<td>DLP510060</td>
<td>1.5mm Dynamic Locking Plate 10 Hole 60mm Long</td>
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<tr>
<td>DLP511066</td>
<td>1.5mm Dynamic Locking Plate 11 Hole 66mm Long</td>
</tr>
<tr>
<td>DLP512072</td>
<td>1.5mm Dynamic Locking Plate 12 Hole 72mm Long</td>
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### 2.0mm Vi Dynamic Locking Plates

1.5mm thick

<table>
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<td>DLP200431</td>
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<td>DLP200538</td>
<td>Dynamic Locking Plate 2.0mm 5 Hole 38mm Long</td>
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<td>DLP200645</td>
<td>Dynamic Locking Plate 2.0mm 6 Hole 45mm Long</td>
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<td>DLP200752</td>
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<td>DLP201073</td>
<td>Dynamic Locking Plate 2.0mm 10 Hole 73mm Long</td>
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<td>DLP201180</td>
<td>Dynamic Locking Plate 2.0mm 11 Hole 80mm Long</td>
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<tr>
<td>DLP201287</td>
<td>Dynamic Locking Plate 2.0mm 12 Hole 87mm Long</td>
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<tr>
<td>DLP2014101</td>
<td>Dynamic Locking Plate 2.0mm 14 Hole 101mm Long</td>
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### 2.4mm Vi Dynamic Locking Plates

Available in two thicknesses - 1.7mm (thin) & 2.0mm (thick).

<table>
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<th>Code</th>
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<tbody>
<tr>
<td>DLP240438N</td>
<td>Dynamic Locking Plate 2.4mm Thin 4 Hole 38mm Long</td>
</tr>
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<td>DLP240547N</td>
<td>Dynamic Locking Plate 2.4mm Thin 5 Hole 47mm Long</td>
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<td>DLP240656N</td>
<td>Dynamic Locking Plate 2.4mm Thin 6 Hole 56mm Long</td>
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<td>DLP240765N</td>
<td>Dynamic Locking Plate 2.4mm Thin 7 Hole 65mm Long</td>
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### 3.5mm Vi Dynamic Locking Plates

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### 3.5mm Vi Dynamic Locking Plates Broad

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<td>3.5mm Broad Dynamic Locking Plate 20 Holes 264mm Long</td>
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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.

### 2.4mm Plates With Stacked Locking Holes

- LPSH240431: 2.4mm Locking Plate 4 Hole 3mm Long
- LPSH240538: 2.4mm Locking Plate 5 Hole 3.8mm Long
- LPSH240645: 2.4mm Locking Plate 6 Hole 4.5mm Long
- LPSH240752: 2.4mm Locking Plate 7 Hole 5.2mm Long
- LPSH240859: 2.4mm Locking Plate 8 Hole 5.9mm Long
- LPSH240966: 2.4mm Locking Plate 9 Hole 6.6mm Long
- LPSH241073: 2.4mm Locking Plate 10 Hole 7.3mm Long
- LPSH241180: 2.4mm Locking Plate 11 Hole 8.0mm Long
- LPSH241287: 2.4mm Locking Plate 12 Hole 8.7mm Long
- LPSH241394: 2.4mm Locking Plate 13 Hole 9.4mm Long
- LPSH2414101: 2.4mm Locking Plate 14 Hole 10.1mm Long
- LPSH2415108: 2.4mm Locking Plate 15 Hole 10.8mm Long
- LPSH2416115: 2.4mm Locking Plate 16 Hole 11.5mm Long
- LPSH2417122: 2.4mm Locking Plate 17 Hole 12.2mm Long
- LPSH2418129: 2.4mm Locking Plate 18 Hole 12.9mm 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)

### 3.0mm Plates With Stacked Locking Holes

- LPSH300425: 3.0mm Locking Plate 4 Hole 25mm Long
- LPSH300531: 3.0mm Locking Plate 5 Hole 32mm Long
- LPSH300637: 3.0mm Locking Plate 6 Hole 37mm Long
- LPSH300743: 3.0mm Locking Plate 7 Hole 43mm Long
- LPSH300849: 3.0mm Locking Plate 8 Hole 49mm Long
- LPSH300955: 3.0mm Locking Plate 9 Hole 55mm Long
- LPSH301061: 3.0mm Locking Plate 10 Hole 61mm Long
- LPSH301167: 3.0mm Locking Plate 11 Hole 67mm Long
- LPSH301273: 3.0mm Locking Plate 12 Hole 73mm Long
- LPSH301379: 3.0mm Locking Plate 13 Hole 79mm Long
- LPSH301485: 3.0mm Locking Plate 14 Hole 85mm Long

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 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 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

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 tissues & 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.
Guide for pilot hole placement, is essential to achieve axial compression. Use of the corresponding screw size, & correct sized Load Neutral Drill Compression across the fracture line where desirable & appropriate. 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 for pilot hole placement, is essential to achieve axial compression.

**3 Internal Fixation**

**Dynamic Compression Plates**

To view our recently released Surgery Guide on 'Fixation of Long Bone (Diaphyseal) Fractures Using Non-Locking Plates and Screws' please scan the QR code below.

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 for pilot hole placement, is essential to achieve axial compression.

**1.5mm Dynamic Compression Plates**

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**2.0mm Dynamic Compression Plates**

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**2.4mm Dynamic Compression Plates**

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**2.7mm Dynamic Compression Plates**

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**2.5mm Dynamic Compression Plates**

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**Broad 3.5mm Dynamic Compression Plates**

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<tr>
<td>BC3520356</td>
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Narrow 4.5mm Dynamic Compression Plates

- 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
- C4513215: 4.5mm Dynamic Compression Plate Narrow 215mm 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

For scaled plate profiles, please view the Plate Profile chapter.

Broad 4.5mm Dynamic Compression Plates

- B450587: 4.5mm Broad Dynamic Compression Plate 87mm 5 Hole
- 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

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**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.

**3.5mm Limited Contact Compression Plates**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>LC3504056</td>
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<td>LC3505069</td>
<td>3.5mm Limited Contact Compression Plate 69mm 5 Hole</td>
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<td>LC3506082</td>
<td>3.5mm Limited Contact Compression Plate 82mm 6 Hole</td>
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<tr>
<td>LC3507095</td>
<td>3.5mm Limited Contact Compression Plate 95mm 7 Hole</td>
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<td>LC3508108</td>
<td>3.5mm Limited Contact Compression Plate 108mm 8 Hole</td>
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<tr>
<td>LC3509121</td>
<td>3.5mm Limited Contact Compression Plate 121mm 9 Hole</td>
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<tr>
<td>LC3510134</td>
<td>3.5mm Limited Contact Compression Plate 134mm 10 Hole</td>
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<td>LC3511147</td>
<td>3.5mm Limited Contact Compression Plate 147mm 11 Hole</td>
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<tr>
<td>LC3512160</td>
<td>3.5mm Limited Contact Compression Plate 160mm 12 Hole</td>
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**Broad 3.5mm Limited Contact Compression Plates**

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<td>BLC3509121</td>
<td>3.5mm Broad Limited Contact Compression Plate 121mm 9 Hole</td>
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<td>BLC3512160</td>
<td>3.5mm Broad Limited Contact Compression Plate 160mm 12 Hole</td>
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**2.4mm Limited Contact Compression Plates**

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<td>LC2408070</td>
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<td>LC2409078</td>
<td>2.4mm Limited Contact Compression Plate 78mm 9 Hole</td>
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<tr>
<td>LC2410086</td>
<td>2.4mm Limited Contact Compression Plate 86mm 10 Hole</td>
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<td>LC2411094</td>
<td>2.4mm Limited Contact Compression Plate 94mm 11 Hole</td>
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<td>LC2412102</td>
<td>2.4mm Limited Contact Compression Plate 102mm 12 Hole</td>
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**2.7mm Limited Contact Compression Plates**

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<tr>
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<td>LC2705053</td>
<td>2.7mm Limited Contact Compression Plate 53mm 5 Hole</td>
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<td>LC2709089</td>
<td>2.7mm Limited Contact Compression Plate 99mm 9 Hole</td>
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<tr>
<td>LC2710098</td>
<td>2.7mm Limited Contact Compression Plate 108mm 10 Hole</td>
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<td>LC2711116</td>
<td>2.7mm Limited Contact Compression Plate 116mm 12 Hole</td>
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<tr>
<td>LC2714134</td>
<td>2.7mm Limited Contact Compression Plate 134mm 14 Hole</td>
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For scaled plate profiles, please view the Plate Profile chapter.
2.4mm ASYM® Plates

ASYM240407080  2.4mm ASYM Plates 80mm 7 Compression 4 Round Holes
ASYM240408087  2.4mm ASYM Plates 87mm 8 Compression 4 Round Holes
ASYM240310094  2.4mm ASYM Plates 94mm 10 Compression 3 Round Holes
ASYM240409094  2.4mm ASYM Plates 94mm 9 Compression 4 Round Holes
ASYM240311101  2.4mm ASYM Plates 101mm 11 Compression 3 Round Holes
ASYM240410101  2.4mm ASYM Plates 101mm 10 Compression 4 Round Holes

2.7mm ASYM® Plates

ASYM1704004060  2.7mm ASYM Plate 60mm 4 Compression 3 Round Holes
ASYM1704005068  2.7mm ASYM Plate 68mm 5 Compression 3 Round Holes
ASYM1704006076  2.7mm ASYM Plate 76mm 6 Compression 3 Round Holes
ASYM1704007084  2.7mm ASYM Plate 84mm 7 Compression 3 Round Holes
ASYM1704007084  2.7mm ASYM Plate 84mm 7 Compression 4 Round Holes
ASYM1704008092  2.7mm ASYM Plate 92mm 8 Compression 3 Round Holes
ASYM1704009100  2.7mm ASYM Plate 100mm 9 Compression 3 Round Holes
ASYM1704010108  2.7mm ASYM Plate 108mm 10 Compression 4 Round Holes
ASYM1703011118  2.7mm ASYM Plate 118mm 11 Compression 3 Round Holes
ASYM1704011118  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

ASYMB350304086  3.5mm Broad ASYM Plate 86mm 4 Compression 3 Round Holes
ASYMB350305098  3.5mm Broad ASYM Plate 98mm 5 Compression 3 Round Holes
ASYMB350306110  3.5mm Broad ASYM Plate 110mm 6 Compression 3 Round Holes
ASYMB350406122  3.5mm Broad ASYM Plate 122mm 6 Compression 4 Round Holes
ASYMB350307122  3.5mm Broad ASYM Plate 122mm 7 Compression 4 Round Holes
ASYMB350309146  3.5mm Broad ASYM Plate 146mm 9 Compression 3 Round Holes
ASYMB350408146  3.5mm Broad ASYM Plate 146mm 8 Compression 4 Round Holes
ASYMB350309146  3.5mm Broad ASYM Plate 146mm 9 Compression 3 Round Holes
ASYMB350409158  3.5mm Broad ASYM Plate 158mm 9 Compression 4 Round Holes
ASYMB350310158  3.5mm Broad ASYM Plate 158mm 10 Compression 3 Round Holes
ASYMB350410170  3.5mm Broad ASYM Plate 170mm 10 Compression 4 Round Holes
ASYMB350311170  3.5mm Broad ASYM Plate 170mm 11 Compression 3 Round Holes
ASYMB350411182  3.5mm Broad ASYM Plate 182mm 12 Compression 3 Round Holes
ASYMB350312182  3.5mm Broad ASYM Plate 182mm 11 Compression 4 Round Holes

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.
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 84 for the 1.0mm range of Cuttable Plates.

Veterinary Cuttable Plates

VCP202427 2.0mm/2.4mm/2.7mm Cuttable Plate 300mm 50 Holes
VCP202427B 2.0mm/2.4mm/2.7mm Cuttable Broad 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

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<tr>
<th>Code</th>
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<tbody>
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<td>PR200420</td>
<td>2.0mm Round Hole Plate 20mm 4 Hole</td>
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<td>PR200423</td>
<td>2.0mm Round Hole Plate 23mm 4 Hole</td>
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<tr>
<td>PR200525</td>
<td>2.0mm Round Hole Plate 25mm 5 Hole</td>
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<td>PR200528</td>
<td>2.0mm Round Hole Plate 28mm 5 Hole</td>
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<tr>
<td>PR200630</td>
<td>2.0mm Round Hole Plate 30mm 6 Hole</td>
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<tr>
<td>PR200633</td>
<td>2.0mm Round Hole Plate 33mm 6 Hole</td>
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<tr>
<td>PR200735</td>
<td>2.0mm Round Hole Plate 35mm 7 Hole</td>
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<td>PR200738</td>
<td>2.0mm Round Hole Plate 38mm 7 Hole</td>
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<td>PR200840</td>
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<tr>
<td>PR200843</td>
<td>2.0mm Round Hole Plate 43mm 8 Hole</td>
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#### 2.7mm Round Hole Plates

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<td>PR270427</td>
<td>2.7mm Round Hole Plate 27mm 4 Hole</td>
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<tr>
<td>PR270530</td>
<td>2.7mm Round Hole Plate 30mm 5 Hole</td>
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<td>PR270533</td>
<td>2.7mm Round Hole Plate 33mm 5 Hole</td>
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<td>2.7mm Round Hole Plate 36mm 6 Hole</td>
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<td>PR270639</td>
<td>2.7mm Round Hole Plate 39mm 6 Hole</td>
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<td>PR270742</td>
<td>2.7mm Round Hole Plate 42mm 7 Hole</td>
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<td>PR270745</td>
<td>2.7mm Round Hole Plate 45mm 7 Hole</td>
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<td>PR270848</td>
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<td>PR270851</td>
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#### 3.5mm Round Hole Plates

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<td>P3504052</td>
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<td>P3505058</td>
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<td>P3506076</td>
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<td>P3507082</td>
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#### 3.5mm Round Hole Heavy Duty Plates

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<td>H3511143</td>
<td>3.5mm Heavy Duty Round Hole Plate 143mm 11 Hole</td>
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<td>3.5mm Heavy Duty Round Hole Plate 156mm 12 Hole</td>
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<td>H3513169</td>
<td>3.5mm Heavy Duty Round Hole Plate 169mm 13 Hole</td>
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<td>H3514180</td>
<td>3.5mm Heavy Duty Round Hole Plate 180mm 14 Hole</td>
</tr>
<tr>
<td>H3515195</td>
<td>3.5mm Heavy Duty Round Hole Plate 195mm 15 Hole</td>
</tr>
</tbody>
</table>

### 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
- BHP2708085 2.7mm 8 Hole 85mm 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
- 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
- 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
- RC350782 3.5mm Reconstruction Plate 82mm 7 Hole
- RC350894 3.5mm Reconstruction Plate 94mm 8 Hole
- RC3509106 3.5mm Reconstruction Plate 106mm 9 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-Plates

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
T350880LOCK 3.5mm Locking T-Plate 8 Holes 80mm Long
T351010LOCK 3.5mm Locking T-Plate 10 Holes 100mm Long
T351212LOCK 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
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.
Combi T-Plates

The Vi Combi T-Plates have been created as an extension of our current T-Plate range. The general shape of the plate is very similar, and this plate comes with the added benefit of locking technology. There are stacked locking holes in the distal end of the plate and dynamic locking holes in the shaft.

Key Features & Benefits:
- Locking construct increases stability
- Stacked locking hole allows placement of either a locking or non-locking screw
- Dynamic Locking holes in proximal section
- K-wire hole
- Available in a range of lengths and 2 different sizes
- Available in Stainless Steel

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<td>T151532COMBI</td>
<td>1.5mm Combi T-Plate 32.5mm Long 6 Holes</td>
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<tr>
<td>T1515735COMBI</td>
<td>1.5mm Combi T-Plate 35.5mm Long 7 Holes</td>
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<td>T1515947COMBI</td>
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<td>1.5mm Combi T-Plate 59mm Long 11 Holes</td>
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<td>T202033COMBI</td>
<td>2mm Combi T-Plate 33mm Long 5 Holes</td>
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<td>T202040COMBI</td>
<td>2mm Combi T-Plate 40mm Long 6 Holes</td>
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<td>T2020743COMBI</td>
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<td>2mm Combi T-Plate 50.5mm Long 8 Holes</td>
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<td>2mm Combi T-Plate 65mm Long 10 Holes</td>
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<tr>
<td>T20201279COMBI</td>
<td>2mm Combi T-Plate 79mm Long 12 Holes</td>
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</table>

For scaled plate profiles, please view the Plate Profile chapter.

Training & Education

Our new e-learning platform delivers a variety of technical and clinical educational material, in an engaging and interactive format.

And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
Hybrid Anatomical T-Plates

2.0mm Hybrid Anatomical T-Plates
- T202755: Hybrid Anatomical T-Plate 3x 2.2mm Head Screws
- T202758: Hybrid Anatomical T-Plate 3x 2.7mm Head Screws

2.7mm Hybrid Anatomical T-Plates
- T273572: Hybrid Anatomical T-Plate 3x 2.7mm Head Screws
- T273576: Hybrid Anatomical T-Plate 3x 2.7mm Head Screws

3.5mm Hybrid Anatomical T-Plates
- T3545795: Hybrid Anatomical T-Plate 3x 3.5mm Head Screws
- T3545799: Hybrid Anatomical T-Plate 3x 3.5mm Head Screws

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 Or 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 Or 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

2.7mm 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.
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

Supracondylar Plate 2.0mm - Short Distal End - Right
Supracondylar Plate 2.0mm - Short Distal End - Left
Supracondylar Plate 2.0mm 50mm Long - Right - Shaft Width 5.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.0mm 50mm Long - Left - Shaft Width 5.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.0mm 120mm Extra Long Right - Shaft Width 5.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.0mm 120mm Extra Long Left - Shaft Width 5.5mm - Shaft Thickness 2.0mm

2.4mm Supracondylar Plates

Supracondylar Plate 2.4mm 62mm Long Right - Shaft Width 6.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.4mm 62mm Long Left - Shaft Width 6.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.4mm 122mm Extra Long Right - Shaft Width 6.5mm - Shaft Thickness 2.0mm
Supracondylar Plate 2.4mm 122mm Extra Long Left - Shaft Width 6.5mm - Shaft Thickness 2.0mm

2.7mm Supracondylar Plates

Supracondylar Plate 2.7mm Left 69mm Long
Supracondylar Plate 2.7mm Right 69mm Long

3.5mm Supracondylar Plates

Supracondylar Plate 3.5mm Narrow Left 135mm Long
Supracondylar Plate 3.5mm Narrow Right 135mm Long
Supracondylar Plate 3.5mm Broad Left 135mm Long
Supracondylar Plate 3.5mm Broad Right 135mm Long
Supracondylar Femur 3.5mm Broad Left 173mm Long
Supracondylar Femur 3.5mm Broad Right 173mm Long

Bending Templates

For scaled plate profiles, please view the Plate Profile chapter.

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.

1.5mm Supracondylar Plates

1.5mm Supracondylar Plate 3 Distal Hole Right
1.5mm Supracondylar Plate 3 Distal Hole Left

2.0mm Combi Hole Supracondylar Plates

Feline 2mm Combi Supracondylar Plate R
Feline 2mm Combi Supracondylar Plate L

Coming soon...

152701
152709
152700
152710
152700XL
152710XL
152711R
152711L
152711R-XL
152711L-XL
152712
152714
152715
152717
152716
152718
152608
152609
152612
152613
152606
152607
152600
152605
152610
152615
152620
152625
152708
152709
152712
152714
152715
152717
152704
152703
152608COMBI
152609COMBI
152700
152711
152714
152717
152704
152703
152608COMBI
152609COMBI
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 1
AP200401L   2.0mm Acetabular Plate 4 Hole Large

2.4mm Acetabular Plate
AP240406    2.4mm Acetabular Plate 4 Hole

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)

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.

1.5mm Non-Locking Butterfly Plates
BTFP15414  1.5mm Butterfly Plate 4 Hole 14mm Length

2.0mm Non-Locking Butterfly Plates
BTFP20623  2.0mm Butterfly Plate 6 Hole 23mm Length

2.7mm Non-Locking Butterfly Plates
BTFP27425  2.7mm Butterfly Plate 4 Hole Wide Head 25mm Length

For scaled plate profiles, please view the Plate Profile chapter.
Carpal Arthrodesis Plates

Our comprehensive range of plates for carpal arthrodesis 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
152932 Partial Carpal Arthrodesis Plate 1.5/2.0mm

2.0/2.4/2.7mm Partial Carpal Arthrodesis Plates
152931 Partial Carpal Arthrodesis Plate 2.0/2.4/2.7mm 50mm

2.7/3.5mm Partial Carpal Arthrodesis Plates
152930 Partial Carpal Arthrodesis Plate 2.7/3.5mm 65mm

1.0/1.5mm DCP Pancarpal Arthrodesis Plates
152970 1.0/1.5mm Pancarpal Arthrodesis Plate
152970B 1.0/1.5mm Pancarpal Arthrodesis Plate Broad

1.5/2.0mm DCP Style Pancarpal Arthrodesis Plates
152911 1.5mm/2.0mm Compression Arthrodesis Plate
152911XL 1.5mm/2.0mm Compression Extended Length

2.0/2.0mm DCP Style Pancarpal Arthrodesis Plates
152912 2.0mm/2.0mm Compression Arthrodesis Plate
152912XL 2.0mm/2.0mm Compression Extended Length

2.0/2.7mm DCP Style Pancarpal Arthrodesis Plates
152902 2.0mm/2.7mm Compression Arthrodesis Plate
152905 2.0mm/2.7mm Compression Arthrodesis Plate
152905XL 2.0mm/2.7mm Compression Extended Length

2.7/3.5/4.5mm DCP Style Pancarpal Arthrodesis Plates
152903 2.7mm/3.5mm Compression Arthrodesis Plate
152903XL 2.7mm/3.5mm Compression Extended Length
152907 3.5mm/3.5mm Compression Arthrodesis Plate
152907XL 3.5mm/3.5mm Compression Extended Length
152909 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 subsequently have been 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.

Dorsal Pantarsal Arthrodesis Plates

Feline Dorsal Pantarsal Arthrodesis Plate

152941 Feline Dorsal Pantarsal Arthrodesis Plate 2.0mm/2.0mm Calcaneal Holes Accept 2.0mm Or 2.4mm Screws

Canine Dorsal Pantarsal Arthrodesis Plate

152946 Canine Dorsal Pantarsal Arthrodesis Plate 2.4mm/2.7mm/3.5mm

Partial Tarsal Arthrodesis Plates

1.5/2.0mm Partial Tarsal Arthrodesis Plates

152924 Partial Tarsal Arthrodesis Plate 1.5mm/2.0mm
152923 Partial Tarsal Arthrodesis Plate 2.0mm/2.0mm

2.0/2.7mm Partial Tarsal Arthrodesis Plates

152920 Partial Tarsal Arthrodesis Plate 2.0mm/2.7mm
152922 Partial Tarsal Arthrodesis Plate 2.7mm/2.7mm
152920SC Partial Tarsal Arthrodesis Plate 2.0mm/2.7mm Short Calcaneous

2.7/3.5mm Partial Tarsal Arthrodesis Plates

152921 Partial Tarsal Arthrodesis Plate 2.7mm/3.5mm
152925 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

152918 2.0mm/2.7mm Pantarsal Plate Right Cat 120°
152917 2.0mm/2.7mm Pantarsal Plate Left Cat 120°
152916 2.0mm/2.7mm Pantarsal Plate Right Dog 140°
152915 2.0mm/2.7mm Pantarsal Plate Left Dog 140°

2.7/3.5mm Medial Pantarsal Arthrodesis Plates

152914 2.7mm/3.5mm Pantarsal Plate Right Short
152913 2.7mm/3.5mm Pantarsal Plate Left Short

Feline Pantarsal Plate With T4 Slot

1.5/2.0mm Feline Pantarsal Plate With T4 Slot

152967-T4 1.5mm/2.0mm Feline Pantarsal Plate with T4 Slot - 120° Right
152966-T4 1.5mm/2.0mm Feline Pantarsal Plate with T4 Slot - 120° Left

2.0/2.7mm Feline Pantarsal Plate With T4 Slot

152918-T4 2.0mm/2.7mm Feline Pantarsal Plate with T4 Slot - 120° Right
152917-T4 2.0mm/2.7mm Feline Pantarsal Plate with T4 Slot - 120° Left

For scaled plate profiles, please view the Plate Profile chapter.
### Combi Canine Pantarsal Plates

The Vi Combi 2.7/3.5mm Canine Pantarsal Arthrodesis Plate has been created as an extension of our current Pantarsal Arthrodesis Plates range. Plate shape and standing angle have been carried over from the existing range due to the positive outcomes in surgery over the past 18 years. However, this plate comes with the added benefit of locking technology.

Developed in partnership with leading Orthopaedic Veterinary Surgeons, the plate has been carefully modelled against real life CT scans. A successful design has been achieved through the angling of the distal dynamic locking holes. This design feature was focussed on ensuring the best possible screw projection for maximum bone capture of the metatarsals in the majority of patients.

**Key Features & Benefits:**
- Locking construct increases stability
- Stacked locking hole allows placement of either a locking or non-locking screw
- Dynamic Locking holes in proximal section
- Angled dynamic locking holes in distal section to allow screw projection through maximum number of metatarsals
- Angled T4 slotted hole with locking hole at the proximal end of the slot
- Distal section tapered to follow shape of metatarsals and reduce bone stress
- Three 1.5mm K-wire holes
- Available in left and right configuration
- Available in Stainless Steel

### 1.5/2.0mm Canine Pantarsal Arthrodesis Plates With T4 Slot

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<td>1.5mm/2.0mm Canine Pantarsal Plate With T4 Slot - 135˚ Right</td>
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<td>152968-T4</td>
<td>1.5mm/2.0mm Canine Pantarsal Plate With T4 Slot - 135˚ Left</td>
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### 2.0/2.7mm Canine Pantarsal Arthrodesis Plates With T4 Slot

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<td>2.0mm/2.7mm Canine Pantarsal Plate With T4 slot – 140˚ Left</td>
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<td>152965-T4</td>
<td>2.0mm/2.7mm Canine Pantarsal Plate With T4 slot – 140˚ Right</td>
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### 2.0/2.7/3.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot

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<td>2.0mm/2.7mm/3.5mm Medial Pantarsal Arthrodesis Plate Left With T4</td>
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<td>152963-T4</td>
<td>2.0mm/2.7mm/3.5mm Medial Pantarsal Arthrodesis Plate Right With T4</td>
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### 2.7/3.5mm Canine Pantarsal Arthrodesis Plates With T4 Slot

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<td>152914-T4S</td>
<td>2.7mm/3.5mm Canine Pantarsal Plate With T4 Slot - Titanium</td>
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### For scaled plate profiles, please view the Plate Profile chapter.
**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.

**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**

![2.7/3.5mm Canine Forelimb Salvage Plate](image)

**Super XXL 3.5/4.5mm Forelimb Salvage Plate**

![Super XXL 3.5/4.5mm Forelimb Salvage Plate](image)

**152950** Elbow Arthrodesis Plate 2.7/3.5mm Right
**152951** Elbow Arthrodesis Plate 2.7/3.5mm Left
**152950LOCK** Elbow Arthrodesis Plate 2.7/3.5mm Right - Locking
**152951LOCK** Elbow Arthrodesis Plate 2.7/3.5mm Left - Locking

**Feline/Small Canine Forelimb Salvage Plate**

![Feline/Small Canine Forelimb Salvage Plate](image)

**152910** Forelimb Salvage Plate 1.5/2.0mm

**Hindlimb Salvage Plates**

**Feline Hindlimb Salvage Plates**

![Feline Hindlimb Salvage Plates](image)

**152917-T4XL** Feline (120°) Hindlimb Salvage Plate 2.0mm/2.7mm Left
**152918-T4XL** Feline (120°) Hindlimb Salvage Plate 2.0mm/2.7mm Right

**Canine Hindlimb Salvage Plates**

![Canine Hindlimb Salvage Plates](image)

**152913-T4XL** Canine (140°) Hindlimb Salvage Plate 2.7mm/3.5mm Left
**152914-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:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate of each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x 2 Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Locking Plate Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate of each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x 2 Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Locking Plate With Bridge Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate with each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Locking Plate With Bridge Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate with each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Locking L-Plate Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate of each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Locking Y-Plate Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate of each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit

1.5 Z-Locking Plate Titanium

Contains:
- 1 x Tray for Implants & Instruments with Lid
- 1 x Locking Plate of each style (28 pcs. total)
- 5 x of each 1.5 Locking Screw (5-24mm, 70 pcs. total)
- 5 x of each 2.0 Locking Screw (5-30mm, 85 pcs. total)
- 2 x Screwdriver Shafts
- 1 x Screwdriver Handle
- 2 x Locking Drill Guides
- 1 x Depth Gauge
- 2 x Drills (AO, 1.1 & 1.5)
- 1 x pair of Bending Irons

LEILOX142-1520-00 LeiLOX Titanium 1.5/2mm Micro Fracture Locking Plate Kit
1.5 Acetabulum Locking Plate Titanium

1.5mm thick, 4 hole
LEILOX142-0215-4H5

LeiLOX Titanium 1.5mm Lock Arthrodesis Plate 5 Hole 42mm

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° Right

1.5 Arthrodesis Locking Plate Titanium

1.5mm thick
LEILOX142-0215-120R
LeiLOX Titanium 1.5mm Lock Arthrodesis Plate 120° Left

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

LEILOX142-0220-648
2.0 Locking Plate With Bridge Titanium

6mm wide, 1.5mm thick
LEILOX142-0220-06
LeiLOX Titanium 2mm Locking Plate With 6mm Bridge 51mm Long

Internal Fixation 3
Tel +44 114 258 8530    info@vetinst.com
105

1.5mm thick
LEILOX142-0215-120L
LeiLOX Titanium 1.5mm Lock Arthrodesis Plate 120° Left

LeiLOX142-0222-06
LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 60mm

2.0 Locking Plate With Bridge Titanium

6mm wide, 1.5mm thick
LEILOX142-0222-07
LeiLOX Titanium 2mm Locking Plate With 4mm Bridge 51mm Long

LeiLOX142-0215-135R
LeiLOX Titanium 1.5mm Lock Arthrodesis Plate 135° Right

LeiLOX142-0215-60
LeiLOX Titanium 1.5mm Lock Arthrodesis Plate Straight 60mm
2.0 Locking L-Plate Titanium

6mm/15mm wide, 1.5mm thick, 33mm long

LEILOX142-0220-504L  LeiLOX Titanium 2mm L-Locking Plate 33mm Left
LEILOX142-0220-504R  LeiLOX Titanium 2mm L-Locking Plate 33mm Right

2.0 Locking Y-Plate Titanium

6mm/13.5mm wide, 1.5mm thick

LEILOX142-0220-805  LeiLOX Titanium 2mm Y-Locking Plate 5 Hole 42mm
LEILOX142-0220-809  LeiLOX Titanium 2mm Y-Locking Plate 10 Hole Cuttable

2.0 T-Locking Plate Titanium

6mm wide, 1.5mm thick, cuttable

LEILOX142-0220-38  LeiLOX Titanium 2mm Locking T-Plate 3 Holes Head 8 Shaft
LEILOX142-0220-49  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

LEILOX142-0220-10Z  LeiLOX Titanium 2mm Z-Locking Plate 10 Hole Cuttable

2.0 H-Locking Plate Titanium

10.5mm wide, 1.5mm thick, 16mm long, 4 hole

LEILOX142-0220-4H  LeiLOX Titanium 2mm H-Locking Plate

2.0 Acetabulum Locking Plate Titanium

1.5mm thick, 4 hole

LEILOX142-0220-410  LeiLOX Titanium 2mm AC-Locking Plate
**LeiLOX Instrumentation**

**Screwdriver Handle**

Silicone AO-Connection. Sterilizable up to 134

LEILOX247-0103-00  AO Fk 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHSC4532</td>
<td>Shaft Screw</td>
<td>32mm</td>
</tr>
<tr>
<td>SHSC4534</td>
<td>Shaft Screw</td>
<td>34mm</td>
</tr>
<tr>
<td>SHSC4536</td>
<td>Shaft Screw</td>
<td>36mm</td>
</tr>
<tr>
<td>SHSC4538</td>
<td>Shaft Screw</td>
<td>38mm</td>
</tr>
<tr>
<td>SHSC4540</td>
<td>Shaft Screw</td>
<td>40mm</td>
</tr>
<tr>
<td>SHSC4542</td>
<td>Shaft Screw</td>
<td>42mm</td>
</tr>
<tr>
<td>SHSC4544</td>
<td>Shaft Screw</td>
<td>44mm</td>
</tr>
<tr>
<td>SHSC4534TI</td>
<td>Shaft Screw - Titanium</td>
<td>34mm</td>
</tr>
<tr>
<td>SHSC4536TI</td>
<td>Shaft Screw - Titanium</td>
<td>36mm</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>COU4565QR</td>
<td>Quick Release Countersink For 4.5mm/6.5mm Screws AO Fit</td>
</tr>
<tr>
<td>COU4565ST-A</td>
<td>T Bar Countersink For 4.5mm/6.5mm Screws</td>
</tr>
<tr>
<td>DRILLSTOP</td>
<td>Drill Stop Set In Stainless Case</td>
</tr>
<tr>
<td>SDH4500</td>
<td>Hex Screwdriver For 4.5mm/5.5mm/6.5mm Screws</td>
</tr>
<tr>
<td>S090105SS</td>
<td>3.2mm (Pilot) Drill Round Shank</td>
</tr>
<tr>
<td>H090105BS</td>
<td>4.5mm (Clearance) Drill Round Shank</td>
</tr>
<tr>
<td>S090108BS</td>
<td>4.5mm (Clearance) Drill AO Quick Release</td>
</tr>
<tr>
<td>TS00045</td>
<td>4.5mm Cortical Tap Quick Release - Handle Required</td>
</tr>
<tr>
<td>ADJDG45</td>
<td>Adjustable Drill Guide for 4.5mm Drills</td>
</tr>
<tr>
<td>SL4532</td>
<td>Insert Sleeve 4.5x3.2mm</td>
</tr>
</tbody>
</table>

Cortical Nuts

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N45</td>
<td>4.5mm Cortical Nut Stainless Steel Non Sterile</td>
</tr>
<tr>
<td>CN45-A</td>
<td>4.5mm Cortical Nut UHMPE - Sterile</td>
</tr>
</tbody>
</table>

Condyle Clamp

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.

A 5mm or 7mm length appears to be the most useful for our species.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TIMESH405006</td>
<td>Titanium Mesh 40mm x 50mm 0.6mm Thick</td>
</tr>
<tr>
<td>TIMESH506006</td>
<td>Titanium Mesh 50mm x 60mm 0.6mm Thick</td>
</tr>
<tr>
<td>TIMESH607006</td>
<td>Titanium Mesh 60mm x 70mm 0.6mm Thick</td>
</tr>
<tr>
<td>TIMESHSCREW2005</td>
<td>Titanium Mesh Screws Tapered 2.0mm x 5.0mm Length Cruciate Head</td>
</tr>
<tr>
<td>TIMESHSCREW2007</td>
<td>Titanium Mesh Screws Tapered 2.0mm x 7.0mm Length Cruciate Head</td>
</tr>
<tr>
<td>TIMESHSDI</td>
<td>Screwdriver Insert for 2mm Cruciate Titanium Mesh Screws AO Quick Release</td>
</tr>
<tr>
<td>TIMESHCUT</td>
<td>Titanium Mesh Cutters</td>
</tr>
<tr>
<td>TIMESHPLI</td>
<td>Titanium Mesh Contouring Pliers</td>
</tr>
</tbody>
</table>

001080  Condyle Clamp Stainless Steel
Screw Identification Tree

Use this decision tree tool to help you identify different types of screws. Start on the left and 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.
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).

<table>
<thead>
<tr>
<th>Screw Type</th>
<th>Drive Shape</th>
<th>Diameter</th>
<th>VI Ordering Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cortical Non Self Tapping</td>
<td>Hexagonal</td>
<td>1.5mm</td>
<td>CS15**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0mm</td>
<td>CS20**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.7mm</td>
<td>CS27**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5mm</td>
<td>CS35**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.5mm</td>
<td>CS45**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.5mm</td>
<td>CS55**</td>
</tr>
<tr>
<td>Cortical Self Tapping</td>
<td>Hexagonal</td>
<td>1.5mm</td>
<td>CST 15**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0mm</td>
<td>CST 20**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4mm</td>
<td>CST 24**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.7mm</td>
<td>CST 27**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5mm</td>
<td>CST 35**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4.5mm</td>
<td>CST 45**</td>
</tr>
<tr>
<td>Cortical Self Tapping</td>
<td>Star Drive</td>
<td>1.5mm</td>
<td>SD CST 15**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.0mm</td>
<td>SD CST 20**</td>
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<tr>
<td></td>
<td></td>
<td>2.4mm</td>
<td>SD CST 24**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.7mm</td>
<td>SD CST 27**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3.5mm</td>
<td>SD CST 35**</td>
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<tr>
<td>Cortical Self Tapping</td>
<td>Cruciform</td>
<td>1.0mm</td>
<td>CST 10**</td>
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<td></td>
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<td>CST 20**</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2.4mm</td>
<td>CST 24**</td>
</tr>
</tbody>
</table>

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).
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

#### Drive Type: HEX HEAD
- **Screw Size:** 3.5mm
- **Size of Drive:** 3.5mm HEX
- **Screwdriver:** SDH35POM-C or SDH35S + QRCH18 / E17-079

#### Drive Type: STAR HEAD
- **Screw Size:** 2.7mm & 2.4mm
- **Size of Drive:** T15 STAR DRIVE
- **Screwdriver:** SDT15S + ORCH18 / E17-079

### Screwdriver Decision Tree For Titanium Screws

#### Drive Type: HEX HEAD
- **Screw Size:** 4.5mm
- **Size of Drive:** 2.5mm HEX
- **Screwdriver:** SDH4500 or SDH45S + QRCH18 / E17-079

#### Drive Type: CRUCIATE HEAD
- **Screw Size:** 3.5mm & 3.7mm
- **Size of Drive:** T10 STAR DRIVE
- **Screwdriver:** SDT1000 + ORCH18 / E17-079

#### Drive Type: STAR HEAD
- **Screw Size:** 2.0mm
- **Size of Drive:** T10 STAR DRIVE
- **Screwdriver:** SDT10A + ORCH18 / E17-079

#### Drive Type: J017539_UK 2023 Chapter 3 - Internal Fixation 79-140.indd   111
- **Screw Size:** 1.5mm
- **Size of Drive:** T10 STAR DRIVE
- **Screwdriver:** SDT10A + ORCH18 / E17-079

- **Screw Size:** 2.0mm
- **Size of Drive:** T10 STAR DRIVE
- **Screwdriver:** SDT10A + ORCH18 / E17-079

- **Screw Size:** 1.5mm
- **Size of Drive:** T10 STAR DRIVE
- **Screwdriver:** SDT10A + ORCH18 / E17-079
### Drills & Equipment For Locking Screws

<table>
<thead>
<tr>
<th>Locking Star Drive (1.5mm)</th>
<th>Locking Star Drive (2.0mm)</th>
<th>Locking Star Drive (2.4mm)</th>
<th>Locking Star Drive (2.7mm)</th>
<th>Locking Star Drive (3.5mm)</th>
<th>Locking Hex Head (3.5mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot Drill</td>
<td>1.1mm</td>
<td>1.5mm</td>
<td>1.8mm</td>
<td>2.0mm</td>
<td>2.8mm</td>
</tr>
<tr>
<td>Round Shank</td>
<td>H090100</td>
<td>H090101</td>
<td>H090208</td>
<td>H090202</td>
<td>H090703</td>
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<tr>
<td>A.O Quick Fit</td>
<td>S090100S</td>
<td>S090101S</td>
<td>S090208S</td>
<td>S090102S</td>
<td>S090105S</td>
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<tr>
<td>Hex Head</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Drills & Equipment For Cortical Self Tapping Screws

<table>
<thead>
<tr>
<th>Cortical Self Tapping (1.0mm)</th>
<th>Cortical Self Tapping (1.5mm)</th>
<th>Cortical Self Tapping (2.0mm)</th>
<th>Cortical Self Tapping (2.4mm)</th>
<th>Cortical Self Tapping (2.7mm)</th>
<th>Cortical Self Tapping (3.5mm)</th>
<th>Cortical Self Tapping (4.0mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot Drill</td>
<td>0.7mm</td>
<td>1.1mm</td>
<td>1.5mm</td>
<td>1.8mm</td>
<td>2.0mm</td>
<td>2.5mm</td>
</tr>
<tr>
<td>Round Shank</td>
<td>N/A</td>
<td>H091010</td>
<td>H091011</td>
<td>H092008</td>
<td>H092012</td>
<td>H091102</td>
</tr>
<tr>
<td>A.O Quick Fit</td>
<td>106000-010 (Dental Fit)</td>
<td>S091010S</td>
<td>S091011S</td>
<td>S092008S</td>
<td>S092012S</td>
<td>S091103S</td>
</tr>
<tr>
<td>Hex Head</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Screwdriver Type</td>
<td>T4 Star</td>
<td>T6 Star</td>
<td>T8 Star</td>
<td>T12 Star</td>
<td>T15 Star</td>
<td>2.5 Hex</td>
</tr>
</tbody>
</table>

### Drills & Equipment For Cortical Self Tapping Screws

<table>
<thead>
<tr>
<th>Cortical Self Tapping (1.0mm)</th>
<th>Cortical Self Tapping (1.5mm)</th>
<th>Cortical Self Tapping (2.0mm)</th>
<th>Cortical Self Tapping (2.4mm)</th>
<th>Cortical Self Tapping (2.7mm)</th>
<th>Cortical Self Tapping (3.5mm)</th>
<th>Cortical Self Tapping (4.0mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pilot Drill</td>
<td>0.7mm</td>
<td>1.1mm</td>
<td>1.5mm</td>
<td>1.8mm</td>
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**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

**2.4mm Locking Screws**

- **Star Drive**
  - 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

The 2.4 Locking Screw has the same head dimensions as the 2.7mm Locking Screw (LS2724** series) & may therefore be used in both 2.4mm Locking Plates & 2.7mm Locking Plates.
### 3.5mm Locking Screws

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Use to protect locking holes during contouring.

### Hex Drive

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#### Locking Plug Sets

- **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

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**Cruciate Drive**

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**Hex Drive**

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1.5mm Screws

1.5mm Cortical Self-Tapping Screws

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# 2.0mm Screws

## 2.0mm Cortical Self-Tapping Screws

### Hex Drive

- **CS2006**: 2mm Cortical Self Tapping Screw 6mm
- **CS2007**: 2mm Cortical Self Tapping Screw 7mm
- **CS2008**: 2mm Cortical Self Tapping Screw 8mm
- **CS2009**: 2mm Cortical Self Tapping Screw 9mm
- **CS2010**: 2mm Cortical Self Tapping Screw 10mm
- **CS2011**: 2mm Cortical Self Tapping Screw 11mm
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- **CS2015**: 2mm Cortical Self Tapping Screw 15mm
- **CS2016**: 2mm Cortical Self Tapping Screw 16mm
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- **CS2035**: 2mm Cortical Self Tapping Screw 35mm
- **CS2036**: 2mm Cortical Self Tapping Screw 36mm
- **CS2037**: 2mm Cortical Self Tapping Screw 37mm
- **CS2038**: 2mm Cortical Self Tapping Screw 38mm
- **CS2039**: 2mm Cortical Self Tapping Screw 39mm
- **CS2040**: 2mm Cortical Self Tapping Screw 40mm

### Star Drive

- **CSST2006**: Cortical Screw Star Drive 2.0mm Length 6mm Self-Tap
- **CSST2007**: Cortical Screw Star Drive 2.0mm Length 7mm Self-Tap
- **CSST2008**: Cortical Screw Star Drive 2.0mm Length 8mm Self-Tap
- **CSST2009**: Cortical Screw Star Drive 2.0mm Length 9mm Self-Tap
- **CSST2010**: Cortical Screw Star Drive 2.0mm Length 10mm Self-Tap
- **CSST2011**: Cortical Screw Star Drive 2.0mm Length 11mm Self-Tap
- **CSST2012**: Cortical Screw Star Drive 2.0mm Length 12mm Self-Tap
- **CSST2013**: Cortical Screw Star Drive 2.0mm Length 13mm Self-Tap
- **CSST2014**: Cortical Screw Star Drive 2.0mm Length 14mm Self-Tap
- **CSST2015**: Cortical Screw Star Drive 2.0mm Length 15mm Self-Tap
- **CSST2016**: Cortical Screw Star Drive 2.0mm Length 16mm Self-Tap
- **CSST2017**: Cortical Screw Star Drive 2.0mm Length 17mm Self-Tap
- **CSST2018**: Cortical Screw Star Drive 2.0mm Length 18mm Self-Tap
- **CSST2019**: Cortical Screw Star Drive 2.0mm Length 19mm Self-Tap
- **CSST2020**: Cortical Screw Star Drive 2.0mm Length 20mm Self-Tap
- **CSST2021**: Cortical Screw Star Drive 2.0mm Length 21mm Self-Tap
- **CSST2022**: Cortical Screw Star Drive 2.0mm Length 22mm Self-Tap
- **CSST2023**: Cortical Screw Star Drive 2.0mm Length 23mm Self-Tap
- **CSST2024**: Cortical Screw Star Drive 2.0mm Length 24mm Self-Tap
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- **CSST2035**: Cortical Screw Star Drive 2.0mm Length 35mm Self-Tap
- **CSST2036**: Cortical Screw Star Drive 2.0mm Length 36mm Self-Tap
- **CSST2037**: Cortical Screw Star Drive 2.0mm Length 37mm Self-Tap
- **CSST2038**: Cortical Screw Star Drive 2.0mm Length 38mm Self-Tap
- **CSST2039**: Cortical Screw Star Drive 2.0mm Length 39mm Self-Tap
- **CSST2040**: Cortical Screw Star Drive 2.0mm Length 40mm Self-Tap

### 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
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- **CSXT2038**: 2mm Cortical Self Tapping Screw 38mm Cruciate Head
- **CSXT2039**: 2mm Cortical Self Tapping Screw 39mm Cruciate Head
- **CSXT2040**: 2mm Cortical Self Tapping Screw 40mm Cruciate Head
2.4mm Screws
2.4mm Cortical Self Tapping Screws

Star Drive

CSST2406 2.4mm Self Tapping Cortical Screw 6mm Self-Tap
CSST2407 2.4mm Self Tapping Cortical Screw 7mm Self-Tap
CSST2408 2.4mm Self Tapping Cortical Screw 8mm Self-Tap
CSST2409 2.4mm Self Tapping Cortical Screw 9mm Self-Tap
CSST2410 2.4mm Self Tapping Cortical Screw 10mm Self-Tap
CSST2411 2.4mm Self Tapping Cortical Screw 11mm Self-Tap
CSST2412 2.4mm Self Tapping Cortical Screw 12mm Self-Tap
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CSST2416 2.4mm Self Tapping Cortical Screw 16mm Self-Tap
CSST2418 2.4mm Self Tapping Cortical Screw 18mm Self-Tap
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CSST2436 2.4mm Self Tapping Cortical Screw 36mm Self-Tap
CSST2438 2.4mm Self Tapping Cortical Screw 38mm Self-Tap
CSST2440 2.4mm Self Tapping Cortical Screw 40mm Self-Tap

Hex Drive

CSST2406 2.4mm Self Tapping Cortical Screw 6mm
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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 Self Tapping Screws
Cruciate Drive

pilot drill - 1.8mm

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
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CSXT2440 2.4mm Self Tapping Cortical Screw 40mm Cruciate Head

2.4mm Cortical Self Tapping Screws

Cruciate Drive

pilot drill - 1.8mm
### 2.7mm Screws

#### 2.7mm Cortical Self-Tapping Screws

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**Pilot Drill - 2.0mm**

- Ø2.0mm

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### 2.7mm Cortical Self-Tapping Screws

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**Pilot Drill - 2.0mm**

- Ø2.0mm

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**3.5mm Screws**

**3.5mm Cortical Self Tapping Screws**

**Star Drive**

- pilot drill - 2.5mm
- $\phi 6$ length

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**3.5mm Cortical Self Tapping Screws**

**Hex Drive**

- pilot drill - 2.5mm
- $\phi 6$ length

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3.5mm Cortical Screws

Hex Drive

Object Diagram

3.5mm Cortical Screws

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4.5mm Cortical Self-Tapping Screws
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- CSST4584: 4.5mm Self Tapping Cortical Screw 84mm
- CSST4586: 4.5mm Self Tapping Cortical Screw 86mm
- CSST4588: 4.5mm Self Tapping Cortical Screw 88mm
- CSST4590: 4.5mm Self Tapping Cortical Screw 90mm

4.5mm Cortical Screws
Hex Drive

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- C4S4544: 4.5mm Cortical Screw 44mm
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- C4S4550: 4.5mm Cortical Screw 50mm
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- C4S4554: 4.5mm Cortical Screw 54mm
- C4S4556: 4.5mm Cortical Screw 56mm
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- C4S4564: 4.5mm Cortical Screw 64mm
- C4S4566: 4.5mm Cortical Screw 66mm
- C4S4568: 4.5mm Cortical Screw 68mm
- C4S4570: 4.5mm Cortical Screw 70mm
- C4S4572: 4.5mm Cortical Screw 72mm
- C4S4574: 4.5mm Cortical Screw 74mm
- C4S4576: 4.5mm Cortical Screw 76mm
- C4S4578: 4.5mm Cortical Screw 78mm
- C4S4580: 4.5mm Cortical Screw 80mm
- C4S4582: 4.5mm Cortical Screw 82mm
- C4S4584: 4.5mm Cortical Screw 84mm
- C4S4586: 4.5mm Cortical Screw 86mm
- C4S4588: 4.5mm Cortical Screw 88mm
- C4S4590: 4.5mm Cortical Screw 90mm

Pilot drill - 3.2mm
5.5mm Screws
5.5mm Cortical Screws
Hex Drive

pilot drill - 4.0mm

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### Cancellous Screws

**Hex Drive**

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### Pilot Drills

- **2.0mm**
  - 2.2mm Cancellous Screws: pilot drill - 2.0mm
  - 3.0mm Cancellous Screws: pilot drill - 2.0mm
  - 3.5mm Cancellous Screws: pilot drill - 2.0mm
  - 4.0mm Cancellous Screws Part Threaded: pilot drill - 2.5mm
4.0mm Cancellous Screws
Full Threaded

- 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

- CNF6525: 6.5mm Fully Threaded Cancellous Screws 25mm
- CNF6530: 6.5mm Fully Threaded Cancellous Screws 30mm
- CNF6535: 6.5mm Fully Threaded Cancellous Screws 35mm
- CNF6540: 6.5mm Fully Threaded Cancellous Screws 40mm
- CNF6545: 6.5mm Fully Threaded Cancellous Screws 45mm
- CNF6550: 6.5mm Fully Threaded Cancellous Screws 50mm
- CNF6555: 6.5mm Fully Threaded Cancellous Screws 55mm
- CNF6560: 6.5mm Fully Threaded Cancellous Screws 60mm
- CNF6565: 6.5mm Fully Threaded Cancellous Screws 65mm
- CNF6570: 6.5mm Fully Threaded Cancellous Screws 70mm
- CNF6575: 6.5mm Fully Threaded Cancellous Screws 75mm
Screwdrivers

Modular Screwdrivers

**E17-079** Soft Touch Quick Release Handle - AO Fit

**QRCH18** Quick Release Handle - AO Fit

**D17-080** Soft Touch Quick Release Handle - Dental Fit

**DC20-A** Quick Release Handle - Dental Fit

---

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

**SDHS20-I** 1.5mm Hex Screwdriver/Sleeve PTFE Handle
For 1.5mm/2.0mm/2.4mm Screws 125mm

**SSH2000** Screwholding Sleeve To Fit SDHS20-I

---

Hex Screwdriver For 2.7mm, 3.5mm & 4.0mm Screws

**SDHS35POM-C** 2.5mm Hex Screwdriver + Sleeve With PTFE Handle
For 2.7mm/3.5mm/4.0mm Screws, 200mm

**SSH273540** Replacement Screwholding Sleeve To Fit SDHS35POM-C

---

Hex Screwdriver For 4.5mm, 5.5mm & 6.5mm Screws

**SDH4500** Hex Screwdriver For 4.5/5.5/6.5mm Screws Without Sleeve

---

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

---

Star Drive Screwdriver Inserts To Fit Modular Handles

**SDT415-A** Star Drive Insert for 1.5mm Star Drive Screws (Fits D17-080)

**SDT420-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 E17-079)

**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)

**SDH35S** Hex Screwdriver Insert For 2.7/3.5/4.0mm Screws (Fits E17-079)

**SDH545S** Hex Screwdriver Insert For 4.5mm+ Screws (Fits E17-079)
**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 Taps (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)

**5.5mm Tap - Quick Release Square Fit**

TQH55  Handle for 5.5mm Cortical Tap - Square Fit
TQ0055  5.5mm Cortical Tap - Square Fit

**T Bar Cortical Taps - Fixed 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

**Modular Locking Taps**

TLS20-A  Tap for 2.0mm Locking Screws (Fits D17-080)
TLS24  Tap for 2.4mm Locking Screws (Fits E17-079 & T19-095)
TLS27  Tap for 2.7mm Locking Screws (Fits E17-079 & T19-095)
TLS35  Tap for 3.5mm Locking Screws (Fits E17-079 & T19-095)
TLSSET-A  Handle Quick Release & Dental Fit & Locking Tap Set 2.0mm - 3.5mm
Countersinks
Modular Countersinks

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.

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Countersinks - Quick Release

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Countersinks - Fixed Handle

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Loan Kits

For a nominal fee, we 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.

To find out more, scan the QR code below.
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.

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<td>H090107S</td>
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<td>H090108S</td>
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</tr>
<tr>
<td>H090109S</td>
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### Long Length

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
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<tbody>
<tr>
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<td>H090108L</td>
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<td>180</td>
</tr>
<tr>
<td>H090109L</td>
<td>5.5</td>
<td>180</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Total Length (mm)</th>
<th>Flute Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S090100S</td>
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<td>S090101S</td>
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<td>S090102S</td>
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</tr>
<tr>
<td>S090112S</td>
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</tr>
<tr>
<td>S090104S</td>
<td>2.7</td>
<td>130</td>
</tr>
<tr>
<td>S090103S</td>
<td>2.8</td>
<td>140</td>
</tr>
<tr>
<td>S090105S</td>
<td>3.2</td>
<td>140</td>
</tr>
<tr>
<td>S090106S</td>
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<td>S090107</td>
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<td>S090109</td>
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</tbody>
</table>

### Long Length

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
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<tr>
<td>S090100L</td>
<td>1.1</td>
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</tr>
<tr>
<td>S090101L</td>
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<td>S090208L</td>
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<tr>
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<tr>
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<td>S090104L</td>
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<td>S090105L</td>
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<tr>
<td>S090106L</td>
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</tr>
<tr>
<td>S090108L</td>
<td>4.5</td>
<td>190</td>
</tr>
</tbody>
</table>

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.

10MDB07-A  0.7mm Drill Bit For D17-080 Quick Release Handle Dental Fit
10MDB10-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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Total Length (mm)</th>
<th>Flute Length (mm)</th>
</tr>
</thead>
<tbody>
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<td>H090208AS</td>
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<td>H090102AS</td>
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<td>H090209AS</td>
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</tr>
<tr>
<td>H090108SAS</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Total Length (mm)</th>
<th>Flute Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>H090104CAN</td>
<td>2.7</td>
<td>30</td>
</tr>
<tr>
<td>H090106CAN</td>
<td>3.5</td>
<td>35</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>Total Length (mm)</th>
<th>Flute Length (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S090112CAN</td>
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<tr>
<td>S090104CAN</td>
<td>2.7</td>
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</tr>
<tr>
<td>S090106CAN</td>
<td>3.5</td>
<td>35</td>
</tr>
</tbody>
</table>

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

Drilling to a pre-measured depth can be a challenge. A drill stop is tightened onto the drill bit at the required depth. The Set includes 4 Stops to cover all the standard drill sizes. 1.5mm, 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
**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.

- **090054ART** 0.8mm Arthrodesis Wire 125mm Pack of 10
- **090020ART** 0.9mm Arthrodesis Wire 125mm Pack of 10
- **090060ART** 1.0mm Arthrodesis Wire 125mm Pack of 10
- **090021ART** 1.1mm Arthrodesis Wire 125mm Pack of 10
- **090061ART** 1.2mm Arthrodesis Wire 125mm Pack of 10
- **090022ART** 1.25mm Arthrodesis Wire 125mm Pack of 10
- **090023ART** 1.4mm Arthrodesis Wire 125mm Pack of 10
- **090024ART** 1.5mm Arthrodesis Wire 125mm Pack of 10
- **090025ART** 1.6mm Arthrodesis Wire 125mm Pack of 10
- **090026ART** 1.8mm Arthrodesis Wire 125mm Pack of 10
- **090027ART** 2.0mm Arthrodesis Wire 125mm Pack of 10
- **090028ART** Pack of Mixed Arthrodesis Wires

### Arthrodesis Wire 178mm Long (Extra Long)

One tip bayonet, the other blunt, these Pins are supplied in packs of ten. 178mm Long.

- **090064ART** 0.6mm Arthrodesis Wire 178mm Pack of 10
- **090065ART** 0.7mm Arthrodesis Wire 178mm Pack of 10
- **090066ART** 0.8mm Arthrodesis Wire 178mm Pack of 10
- **090067ART** 0.9mm Arthrodesis Wire 178mm Pack of 10
- **090068ART** 1.0mm Arthrodesis Wire 178mm Pack of 10
- **090069ART** 1.1mm Arthrodesis Wire 178mm Pack of 10
- **090070ART** 1.2mm Arthrodesis Wire 178mm Pack of 10
- **090071ART** 1.25mm Arthrodesis Wire 178mm Pack of 10
- **090072ART** 1.4mm Arthrodesis Wire 178mm Pack of 10
- **090073ART** 1.5mm Arthrodesis Wire 178mm Pack of 10
- **090074ART** 1.6mm Arthrodesis Wire 178mm Pack of 10
- **090075ART** 1.8mm Arthrodesis Wire 178mm Pack of 10
- **090076ART** 2.0mm Arthrodesis Wire 178mm Pack of 10
- **090077ART** Pack of Mixed Arthrodesis Wires

### 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.

- **090056ART** 0.6mm Arthrodesis Wire Trochar/B 70mm Pack of 10
- **090055ART** 0.7mm Arthrodesis Wire Trochar/B 70mm Pack of 10

### Kirschner Wire 125mm Long

One tip bayonet, the other blunt, these Pins are supplied in packs of ten. 125mm Long.

- **090030KIR** 0.9mm Kirschner Wire 125mm Pack of 10
- **090070KIR** 1.0mm Kirschner Wire 125mm Pack of 10
- **090031KIR** 1.1mm Kirschner Wire 125mm Pack of 10
- **090071KIR** 1.2mm Kirschner Wire 125mm Pack of 10
- **090034KIR** 1.4mm Kirschner Wire 125mm Pack of 10
- **090072KIR** 1.5mm Kirschner Wire 125mm Pack of 10
- **090032KIR** 1.6mm Kirschner Wire 125mm Pack of 10
- **090073KIR** 1.8mm Kirschner Wire 125mm Pack of 10
- **090033KIR** 2.0mm Kirschner Wire 125mm Pack of 10
- **090030MIX** 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.

- **090074KIR** 0.9mm Kirschner Wire 178mm Pack of 10
- **090075KIR** 1.0mm Kirschner Wire 178mm Pack of 10
- **090076KIR** 1.1mm Kirschner Wire 178mm Pack of 10
- **090077KIR** 1.2mm Kirschner Wire 178mm Pack of 10
- **090078KIR** 1.4mm Kirschner Wire 178mm Pack of 10
- **090079KIR** 1.6mm Kirschner Wire 178mm Pack of 10
- **090078KIR** 1.8mm Kirschner Wire 178mm Pack of 10
- **090079KIR** 2.0mm Kirschner Wire 178mm Pack of 10

### Kirschner Wire 125mm Long

**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.

- **090054ART** 0.8mm Arthrodesis Wire 125mm Pack of 10
- **090020ART** 0.9mm Arthrodesis Wire 125mm Pack of 10
- **090060ART** 1.0mm Arthrodesis Wire 125mm Pack of 10
- **090021ART** 1.1mm Arthrodesis Wire 125mm Pack of 10
- **090061ART** 1.2mm Arthrodesis Wire 125mm Pack of 10
- **090022ART** 1.25mm Arthrodesis Wire 125mm Pack of 10
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- **090024ART** 1.5mm Arthrodesis Wire 125mm Pack of 10
- **090025ART** 1.6mm Arthrodesis Wire 125mm Pack of 10
- **090026ART** 1.8mm Arthrodesis Wire 125mm Pack of 10
- **090027ART** 2.0mm Arthrodesis Wire 125mm Pack of 10
- **090028ART** Pack of Mixed Arthrodesis Wires

### Arthrodesis Wire 178mm Long (Extra Long)

One tip bayonet, the other blunt, these Pins are supplied in packs of ten. 178mm Long, Extra long.

- **090064ART** 0.6mm Arthrodesis Wire 178mm Pack of 10
- **090065ART** 0.7mm Arthrodesis Wire 178mm Pack of 10
- **090066ART** 0.8mm Arthrodesis Wire 178mm Pack of 10
- **090067ART** 0.9mm Arthrodesis Wire 178mm Pack of 10
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- **090077ART** Pack of Mixed Arthrodesis Wires

### 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.

- **090056ART** 0.6mm Arthrodesis Wire Trochar/B 70mm Pack of 10
- **090055ART** 0.7mm Arthrodesis Wire Trochar/B 70mm Pack of 10
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.

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.

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.

Fully Threaded Arthrodesis Wires
**Wire & Pin Storage**

**Arthrodesis Wire Box**

Box will store all diameters of Arthrodesis & K Wires in four compartments.

0900200    Arthrodesis & K Wire Organiser Plastic (Autoclavable)

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**A & 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 A & K Wire Holder
0900390.9    0.9mm A & K Wire Holder
0900391.0    1.0mm A & K Wire Holder
0900391.1    1.1mm A & K Wire Holder
0900391.2    1.25mm A & K Wire Holder
0900391.4    1.4mm A & K Wire Holder
0900391.5    1.5mm A & K Wire Holder
0900391.6    1.6mm A & K Wire Holder
0900391.8    1.8mm A & K Wire Holder
0900392.0    2.0mm A & K Wire Holder
090039SET    A & K Wire Holder Set (10)

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**A & 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 & K Wire Dispenser 0.9mm, 1.1mm, 1.6mm & 2.0mm

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**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

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**Bone Pin Tubes**

090039A    I/M Pin Storage/Autoclave Tube 320mm
090039C    I/M Pin Storage/Autoclave Tube 255mm

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**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

---

**Arthrodesis Wire Box**

Box will store all diameters of Arthrodesis & K Wires in four compartments.
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.

- OW0210 32g Reel of Orthopaedic Wire 0.20mm
- OW0310 30g Reel of Orthopaedic Wire 0.30mm
- OW0410 27g Reel of Orthopaedic Wire 0.40mm
- OW0510 25g Reel of Orthopaedic Wire 0.5mm
- OW0610 24g Reel of Orthopaedic Wire 0.6mm
- OW0710 22g Reel of Orthopaedic Wire 0.71mm
- OW0810 21g Reel of Orthopaedic Wire 0.8mm
- OW0910 20.5g Reel of Orthopaedic Wire 0.9mm
- OW1010 20g Reel of Orthopaedic Wire 1.0mm
- OW1012 18g Reel of Orthopaedic Wire 1.2mm
- OW1015 16g Reel of Orthopaedic Wire 1.5mm

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.

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

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 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
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.

**Load Neutral Drill Guides**

- **LNDG15** Load Neutral Drill Guide For 1.5mm Compression Plates
- **LNDG20** Load Neutral Drill Guide For 2.0mm Compression Plates
- **LNDG24** Load Neutral Drill Guide For 2.4mm Compression Plates
- **LNDG27** Load Neutral Drill Guide For 2.7mm Compression Plates
- **LNDG35** Load Neutral Drill Guide For 3.5mm Compression Plates
- **LNDG45** Load Neutral Drill Guide For 4.5mm Compression Plates

**Insert Sleeves**

Insert 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 Guides & Sleeves**

**Universal Drill Guides**

- **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 Screws
- **LSDG20** Locking Screw Drill Guide For 2.0mm Screws
- **LSDG24** Locking Screw Drill Guide For 2.4mm Screws
- **LSDG27** Locking Screw Drill Guide For 2.7mm Screws
- **LSDG35** Locking Screw Drill Guide For 3.5mm Screws
- **LSDG2724XL** Locking Screw Drill Guide For 2.7mm 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

- **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**

- **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
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 For 4.5mm Drills 190mm

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, ie. the same as an insert sleeve. This single instrument contains all the guides & sleeves you need to place a lag screw.

- CDTI520 Combination Drill, Tap & Insert Sleeve for 2.0 Screws 100mm
- CDTI524 Combination Drill, Tap & Insert Sleeve for 2.4 Screws 105mm
- CDTI527 Combination Drill, Tap & Insert Sleeve for 2.7 Screws 110mm
- CDTI535 Combination Drill, Tap & Insert Sleeve for 3.5 Screws 115mm
- CDTI545 Combination Drill, Tap & Insert Sleeve for 4.5 Screws 130mm

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

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
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.
Chart supplied with depth gauge or available on request. Use in self-tapping or cortical systems.

**Depth Gauges**

**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. Improved hook. Contoured comfortable grip for ease of use. Store in fully retracted state to protect the delicate probe section.

**DG15** Premium Depth Gauge For 1.5mm Screws
**DG2024** Premium Depth Gauge For 2.0/2.4mm Screws
**DG2735** Premium 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 3.5mm & 4.5mm standard plates.
Bone plate benders used in pairs are the most economic method of plate contouring.

**Bone Plate Bending Levers**

**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 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 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
• Re-adjust 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.

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
BT4507120  Bending Template 120mm 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

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

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

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.

5mm Webb Bolt use 5.5mm Drill H090109S. Requires 8mm spanner (001565).
4mm Webb Bolt use 4.0mm Drill H090107S. Requires 7mm spanner (001566).
3mm Webb Bolt use 3.2mm Drill H090105S. Requires 5.5mm spanner.
2mm Webb Bolt use 2.0mm Drill H090102. Requires 4mm spanner.

092003  Webb Bolt 5mm/8cm
092000  Webb Bolt 4mm/8cm
092001  Webb Bolt 3mm/8cm
092002  Webb Bolt 2mm/5cm

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/3.5mm/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
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.

<table>
<thead>
<tr>
<th>Cortical Nut</th>
<th>Nut Profile</th>
<th>Associated Spanner Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>N20</td>
<td>Square</td>
<td>3.5mm</td>
</tr>
<tr>
<td>N24</td>
<td>Square</td>
<td>4.5mm</td>
</tr>
<tr>
<td>N27</td>
<td>Hex</td>
<td>1/4”</td>
</tr>
<tr>
<td>N35</td>
<td>Hex</td>
<td>7mm</td>
</tr>
<tr>
<td>N45</td>
<td>Hex</td>
<td>11/42”</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Screw Extraction Trephine</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCET20</td>
<td>Extraction Trephine For 2.0mm Screws o/d 2.7mm</td>
</tr>
<tr>
<td>SCET24</td>
<td>Extraction Trephine For 2.4mm Screws o/d 3.5mm</td>
</tr>
<tr>
<td>SCET27</td>
<td>Extraction Trephine For 2.7mm Screws o/d 3.5mm</td>
</tr>
<tr>
<td>SCET35</td>
<td>Extraction Trephine For 3.5mm Screws o/d 4.5mm</td>
</tr>
<tr>
<td>SCET45</td>
<td>Extraction Trephine For 4.5mm Screws o/d 5.5mm</td>
</tr>
</tbody>
</table>

Equipment & Screw Boxes

AO Screw/Equipment Boxes

Box featured BX20CS
Please note design may vary with size of implant

<table>
<thead>
<tr>
<th>Screw Box</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>BX20CS</td>
<td>Box For 2.0mm AO Screws &amp; Equipment</td>
</tr>
<tr>
<td>BX24CS</td>
<td>Box For 2.4mm AO Screws &amp; Equipment</td>
</tr>
<tr>
<td>BX2735CS</td>
<td>Box For 2.7mm/3.5mm AO Screws &amp; Equipment</td>
</tr>
</tbody>
</table>

Screw Boxes For AO Type Screws &/Or Locking Screws

Please note design may vary with size of implant

<table>
<thead>
<tr>
<th>Screw Box</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH1500</td>
<td>Screw Box 1.5mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH2000</td>
<td>Screw Box 2.0mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH2400</td>
<td>Screw Box 2.4mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH2700</td>
<td>Screw Box 2.7mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH2735</td>
<td>Screw Box 2.7mm &amp; 3.5mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH3500</td>
<td>Screw Box 3.5mm AO Type Screws &amp;/Or Locking Screws (All Lengths)</td>
</tr>
<tr>
<td>SH4500</td>
<td>Screw Box 4.5mm AO Type Screws (Even Number Lengths From 12-50mm)</td>
</tr>
</tbody>
</table>
To view the External Fixation section of our website, please scan the QR code:
**ESF Pins**

### 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

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 threaded 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.

<table>
<thead>
<tr>
<th>Pin Diameter</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8mm Shank 1.1mm Threads</td>
<td>60mm</td>
</tr>
<tr>
<td>1.0mm Shank 1.2mm Threads</td>
<td>65mm</td>
</tr>
<tr>
<td>1.2mm Shank 1.5mm Threads</td>
<td>65mm</td>
</tr>
<tr>
<td>1.2mm Shank 1.6mm Threads</td>
<td>70mm</td>
</tr>
<tr>
<td>1.4mm Shank 1.8mm Threads</td>
<td>70mm</td>
</tr>
<tr>
<td>1.6mm Shank 2.0mm Threads</td>
<td>70mm</td>
</tr>
<tr>
<td>1.8mm Shank 2.2mm Threads</td>
<td>80mm</td>
</tr>
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<td>105mm</td>
</tr>
<tr>
<td>2.7mm Shank 3.5mm Threads</td>
<td>115mm</td>
</tr>
<tr>
<td>3.0mm Shank 3.8mm Threads</td>
<td>120mm</td>
</tr>
<tr>
<td>3.2mm Shank 4.0mm Threads</td>
<td>130mm</td>
</tr>
<tr>
<td>3.5mm Shank 4.3mm Threads</td>
<td>130mm</td>
</tr>
<tr>
<td>4.0mm Shank 4.8mm Threads</td>
<td>150mm</td>
</tr>
</tbody>
</table>

#### 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*

#### Trochar Pins

The smooth shanks of trochar pins provide minimal pull out resistance, there is therefore little advantage to their use. When used, trochar pins should be placed at diverging angles to maximise pull-out resistance. 130mm long.

<table>
<thead>
<tr>
<th>Pin Diameter</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.8mm Shank 1.1mm Threads</td>
<td>85mm</td>
</tr>
<tr>
<td>1.0mm Shank 1.2mm Threads</td>
<td>90mm</td>
</tr>
<tr>
<td>1.2mm Shank 1.5mm Threads</td>
<td>110mm</td>
</tr>
<tr>
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</tr>
<tr>
<td>3.5mm Shank 4.3mm Threads</td>
<td>130mm</td>
</tr>
<tr>
<td>4.0mm Shank 4.8mm Threads</td>
<td>150mm</td>
</tr>
</tbody>
</table>

#### 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.

<table>
<thead>
<tr>
<th>Pin Diameter</th>
<th>Overall Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1mm Shank 1.1mm Threads</td>
<td>76mm</td>
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<tr>
<td>1.6mm Shank 1.6mm Threads</td>
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<td>1.8mm Shank 2.2mm Threads</td>
<td>127mm</td>
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<tr>
<td>2.0mm Shank 2.4mm Threads</td>
<td>127mm</td>
</tr>
<tr>
<td>2.4mm Shank 3.2mm Threads</td>
<td>127mm</td>
</tr>
<tr>
<td>2.7mm Shank 3.5mm Threads</td>
<td>127mm</td>
</tr>
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<td>3.0mm Shank 3.8mm Threads</td>
<td>127mm</td>
</tr>
<tr>
<td>3.2mm Shank 4.0mm Threads</td>
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<td>3.5mm Shank 4.3mm Threads</td>
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<tr>
<td>4.0mm Shank 4.8mm Threads</td>
<td>127mm</td>
</tr>
</tbody>
</table>

* *CMT0017 has a 16mm thread length.
**CMT0018 has a 20mm thread length.
Bicortical Negative Threaded Pins

Bicortical Negative 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.

<table>
<thead>
<tr>
<th></th>
<th>Shaft Diameter</th>
<th>Thread Diameter</th>
<th>Thread Length</th>
<th>Overall Length</th>
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<td>BCNET50</td>
<td>5.0mm</td>
<td>5.0mm</td>
<td>50mm</td>
<td>150mm</td>
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</tbody>
</table>

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. 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 |

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 |

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 |
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.

<table>
<thead>
<tr>
<th>Clamp</th>
<th>Pin Shaft Dia</th>
<th>Bar Dia</th>
<th>Spanner</th>
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<tbody>
<tr>
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<td>0.9mm - 2.5mm</td>
<td>3.2mm</td>
<td>7mm (001566)</td>
</tr>
<tr>
<td>Small</td>
<td>2.0mm - 3.2mm</td>
<td>6.3mm</td>
<td>8mm (001565)</td>
</tr>
<tr>
<td>Large</td>
<td>3.2mm - 4.8mm</td>
<td>9.5mm</td>
<td>10mm (001564)</td>
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</table>

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.

**SF Bars**

**SF Mini Range**

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<thead>
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<tr>
<td>001743</td>
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</tr>
<tr>
<td>001595</td>
<td>Mini 1/8” (3.2mm) Bar x 30mm Stainless Steel</td>
</tr>
<tr>
<td>001559</td>
<td>Mini 1/8” (3.2mm) Bar x 50mm Stainless Steel</td>
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<tr>
<td>001590</td>
<td>Mini 1/8” (3.2mm) Bar x 75mm Stainless Steel</td>
</tr>
<tr>
<td>001596</td>
<td>Mini 1/8” (3.2mm) Bar x 100mm Stainless Steel</td>
</tr>
<tr>
<td>001573</td>
<td>Mini 1/8” (3.2mm) Bar x 125mm Stainless Steel</td>
</tr>
<tr>
<td>001560</td>
<td>Mini 1/8” (3.2mm) Bar x 150mm Stainless Steel</td>
</tr>
<tr>
<td>001574</td>
<td>Mini 1/8” (3.2mm) Bar x 175mm Stainless Steel</td>
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<tr>
<td>001575</td>
<td>Mini 1/8” (3.2mm) Bar x 200mm Stainless Steel</td>
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</tr>
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**SF Small Range**

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<td>001744-A</td>
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<td>Small 1/4” (6.3mm) Bar x 150mm Carbon</td>
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<td>Small 1/4” (6.3mm) Bar x 200mm Carbon</td>
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<td>Small 1/4” (6.3mm) Bar x 250mm Carbon</td>
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<td>Small 1/4” (6.3mm) Bar x 300mm Carbon</td>
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<td>001862TI</td>
<td>Small 1/4” (6.3mm) Bar x 100mm Titanium</td>
</tr>
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<td>Small 1/4” (6.3mm) Bar x 150mm Titanium</td>
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**SF Large Range**

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<tr>
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<td>Large 3/8” (9.5mm) Bar x 150mm Aluminium</td>
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<td>Large 3/8” (9.5mm) Bar x 200mm Aluminium</td>
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<td>001873TI</td>
<td>Large 3/8” (9.5mm) Bar x 250mm Aluminium</td>
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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.

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.

Boxed KE+ ESF Kits (Spanners Included)

<table>
<thead>
<tr>
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<tr>
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<td>001578 Stainless ESF Box With Partitions</td>
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<td>001585 Large 5/16&quot; Connecting Bar</td>
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<td>001548 External Fixation Tissue</td>
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<tr>
<td>001589 Medium 3/16&quot; Connecting Bar</td>
</tr>
<tr>
<td>001548 External Fixation Tissue</td>
</tr>
</tbody>
</table>

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.

Connecting Bars

Connecting Bars are available in 5/16" (8mm) for large clamps, 3/16" (4.8mm) for medium clamps & 1/8" (3.2mm) 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.

KE Plus Small Range

<table>
<thead>
<tr>
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<tbody>
<tr>
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<tr>
<td>001594 Small Double Clamp</td>
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KE Plus Medium Range

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KE Plus Large Range

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</table>
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

### Spanner Size & Clamp Type Reference Chart

<table>
<thead>
<tr>
<th>Clamp Type</th>
<th>Clamp Size</th>
<th>Clamp Code</th>
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**Email Marketing Service**

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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 & thus very strong & has extremely good angular pin rigidity.
- Available in 6mm, 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.

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 1.3 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 full kit list is available upon request.

015500 FESSA 6 & 8mm Set With 10 of Each Screw

6mm FESSA
- 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) Grub Screws (10)
- 015534 FESSA 6mm Hinge

8mm FESSA
- 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) Grub Screws (10)
- 015536 FESSA 8mm Hinge

12mm FESSA
- 015540 FESSA Tube 12mm x 125mm
- 015542 FESSA Tube 12mm x 175mm
- 015544 FESSA Tube 12mm x 225mm
- 015545 FESSA 12mm (2.5 Hex) Grub Screws (10)
- SDHS35POM-C 2.5mm Hex Screwdriver + Sleeve With PTFE Handle

To view our recently released Surgery Guide on ‘Linear External Skeletal Fixation’, please scan the QR code below.

The full kit list is available upon request.

015530 Titanium FESSA Set In Stainless Steel Box

Components:
- 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
# Pin Reference Chart

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<tr>
<th>Code</th>
<th>Shaft Diameter</th>
<th>Clamp Style</th>
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## Trochar Pins

- **001556** Trochar Pin 2.0mm
- **001557** Trochar Pin 3.0mm
- **001558** Trochar Pin 4.0mm
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### Cortical Negative Threaded Pins - Ellis Type

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### Bicortical Fine Negative Threaded Pins

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To view the Surgical Power Tool area of our website, please scan the QR code:
We are delighted to continue our partnership with B. Braun Medical Ltd.

The Acculan 4 small drill and TPLO saw meet all needs for veterinary surgeries in a compact, yet powerful and simple to use system. Constructed to the ergonomics of the hand and delivering technology which is synonymous with reliability and longevity.
AESCULAP® Acculan 4

Acculan 4 Small Drill

The Acculan 4 is a modular battery-operated power system from Aesculap. This system is small and lightweight with a easy to handle titanium housing.

Drill includes:
- GA678 - Sterile Funnel
- GA344244 - K-Wire Protection Guide
- GB600880 - Sterilit Spray Adapter

Acculan 4 Small Drill Attachments
- GB881R - Acculan 4 Large Jacobs Chuck 0.5-7.4mm
- GB884R - Acculan 4 Small AO Chuck Attachment
- GB891R - Acculan 4 Sagittal Saw Attachment
- GB892R - Acculan 4 Reciprocating Saw Attachment
- GB894R - Acculan 4 Large Jacobs Chuck
- GB870R - Acculan 4 Small AO Chuck Attachment

Acculan 4 Sagittal Saw Blades

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Acculan 4 TPLO Saw

The Acculan 4 TPLO saw has a straight ergonomic design with titanium housing. The triangular mount allows use of Aesculap or Vi TPLO blades.

- GT666 - Acculan 4 TPLO Straight Handpiece
- GA675 - Acculan 4 Lid

Acculan 4 Battery and Charging Unit

Battery can be used with Acculan 4 small drill and TPLO saw.

- GA320 - Acculan 4 Battery Charging Unit
- TE734 - UK Mains Cable
- GA346 - Acculan 4 Li-Ion Battery

Surgical Power Tool Lubrication

- GB600 - Sterilit Power System Oil Spray
- GB600880 - Sterilit Oil Spray Adaptor For GA344

Acculan 4 Storage

Can be used with Acculan 4 small drill and TPLO saw.

- JF282R - Basket For JN096
- JF289R - Basket Lid For JF282R
- JF938 - Silicone Mat Mesh Fitting 1/2 Basket
- JN096 - Dental Sterile Container & Lid

Acculan 4 Accessories

- GA678 - Sterile Funnel
- GA679 - Battery Removal Device
- GA344244 - K-Wire Protection Guide For Small Drill
- JK091 - Sterile Container Reusable Filter Pack of 2
DeSoutter Vdrive™ System

The DeSoutter Vdrive™ veterinary range is lightweight and fully modular and comprises a large and small bone system which share a common battery platform.

V-MBQ Large Bone Powered Instrument Range

The V-MBQ is suitable for large bone surgery, with a unique TPLO attachment. A single handpiece will cover all large bone veterinary procedures with its comprehensive range of attachments. All attachments in this range will fit both pistol grip and straight case handpieces to accommodate all surgeons’ preferences.

V-MBU Small Bone Powered Instrument Range

The V-MBU is suitable for small bone surgery. High speed and oscillating drilling, low speed drilling, screw driving and tapping. There is no TPLO attachment to fit the small bone handpiece.

V-MBU Attachments

Can be used with both large V-MBQ and small V-MBU handpieces.

Aseptic Small Batteries For Vdrive™

Can be used with both large V-MBQ and small V-MBU handpieces.

Blades

S85 blades fit DS18870 V-SU-470 mini sagittal saw for small bone handpiece (MBU)

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<thead>
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<th>Cut Thickness (mm)</th>
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All listed supplied as a sterile single blade. Other blades are available to buy in packs of 5.

S88 blades fit DS18300 V-NQ-707 small sagittal saw for large bone handpiece (MBQ) and DS18880 V-NJU-470 quick release sagittal saw for small bone handpiece (MBU).

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All listed supplied as a sterile single blade. Other blades are available to buy in packs of 5.
Vi Black Series Battery Powered Drill/Saw Set

The Vi Black Series Drill/Saw Set contains:
- Black Series Drill
- Black Series Saw
- 1x Conditioning Charger
- 2x Batteries
- 2x Battery Transfer Sleeves
- 2x Storage Cases

Blackkit
Vi Black Series Drill & Saw Set UK

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: 0-11000 RPM
Drill max noise: <40dB
Drill weight: 990g

Blackdrill
Vi Black Series Drill Set

Blackchuckkey
Vi Black Series Drill Spare Chuck Key

Vi Black Series Conditioning Charger

Vi Black Series Battery Powered Surgical Saw

Vi Black Series Conditioning Charger

Vi Black Series Battery Powered Surgical Saw

Supplied complete with battery, battery charger, battery transfer sleeve, storage case and 1x BLACKSW451607B blade.

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

Blacksw451607B
Vi Black Series Saw Set

Blackkit
Vi Black Series Drill & Saw Set UK

Vi Black Series Conditioner Charger (UK)

Vi Black Series Spare Battery

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.

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</table>

Black Series Aluminium Sterilisation 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 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)
VITPLOBAT  Vi TPLO Saw Replacement Battery

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 (Whitemore/Vi).

TBHEX25  2.5mm T Bar Hex Driver (Slocum)
TBHEX30  3.0mm T Bar Hex Driver (Aesculap)
TBHEX32  3.2mm T Bar Hex Driver (Whitemore/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

<table>
<thead>
<tr>
<th>Description</th>
<th>Vi Code</th>
<th>Hex Driver</th>
<th>Vi Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whittemore Saw Grub Screw</td>
<td>TPLOSCREW</td>
<td>1.8”</td>
<td>TBHEX32 (T BAR)</td>
</tr>
<tr>
<td>Slocum Saw Screw</td>
<td>SLOSCREW</td>
<td>2.5MM</td>
<td>TBHEX25 (T BAR)</td>
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<tr>
<td>Aesculap Saw Grub Screw</td>
<td>SPECIAL ORDER FROM AESCU LAP</td>
<td>3.0MM</td>
<td>TBHEX30 (T BAR)</td>
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<tr>
<td>TPLO Jigs</td>
<td>JGSCREW</td>
<td>2.5MM</td>
<td>TBHEX25 (T BAR)</td>
</tr>
<tr>
<td>Arthroscopic Distractor</td>
<td>JGSCREW</td>
<td>2.5MM</td>
<td>TBHEX25 (T BAR)</td>
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<tr>
<td>FESSA 6mm</td>
<td>015509</td>
<td>1.5MM</td>
<td>015507 (SDRIVER)</td>
</tr>
<tr>
<td>FESSA 8mm</td>
<td>015520</td>
<td>2.0MM</td>
<td>015516 (SDRIVER)</td>
</tr>
</tbody>
</table>
## 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.

### Multi Saw Blades

<table>
<thead>
<tr>
<th>Blade Code</th>
<th>Thickness</th>
<th>Cut</th>
<th>Length</th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>S82-100</td>
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<td>0.9mm</td>
<td>45mm</td>
<td>12mm</td>
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<tr>
<td>S82-103</td>
<td>0.81mm</td>
<td>1.2mm</td>
<td>70mm</td>
<td>12mm</td>
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<tr>
<td>S82-104</td>
<td>0.81mm</td>
<td>1.2mm</td>
<td>70mm</td>
<td>25mm</td>
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<tr>
<td>S82-107-134</td>
<td>0.38mm</td>
<td>0.6mm</td>
<td>41mm</td>
<td>9.0mm</td>
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<tr>
<td>S82-107-135</td>
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<td>30mm</td>
<td>5.0mm</td>
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<tr>
<td>S82-107-133</td>
<td>0.38mm</td>
<td>0.6mm</td>
<td>25mm</td>
<td>9.5mm</td>
</tr>
<tr>
<td>S82-110</td>
<td>0.4mm</td>
<td>0.7mm</td>
<td>33mm</td>
<td>10.0mm</td>
</tr>
</tbody>
</table>

† Suitable for use with TTO & TTA Rapid Sawguide

---

001708 Multi Saw Surgical Kit incl Convertor, Shroud, Titanium Nitride Coated Blade & S82-103 Blade
001708.134 Multi Saw Surgical Kit incl Convertor, Shroud, Titanium Nitride Coated Blade & S82-107-134 Blade Suitable for TTO & TTA Rapid
001702 Stainless Convertor (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 Milwaukee Multi Saw and Drill
M1218FCMIL Charging Unit For Milwaukee Batteries 240V

---

Surgical Blades

All blades with a central hole bigger than 6mm will fit the Multi Saw.
Variable Speed Orthopaedic Drill (Milwaukee) & Accessories

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

- 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.

Loan Kits

For a nominal fee, we 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.

To find out more, scan the QR code below.
The 4mm chuck attachment is cannulated for driving long pins.

K110 Small (4mm) Jacobs Chuck

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.

K111 Wire Driver

Similar to the wire driver in operation the pin driver has a larger capacity (1.6m to 4mm).

K211 Pin Driver

The 4mm chuck attachment is cannulated for driving long pins.

K110V1 K110 4mm Chuck Attachment Including Key

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.
**K109 Large (6.25mm) Jacobs Chuck**

The 6.25mm chuck attachment is cannulated for driving long pins.

**K109VI** K109 6.25mm Chuck Attachment Including Key

**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 Keyless Chuck Attachment**

Chuck keys wear quickly, become lost & can be awkward to use in some situations. The keyless chuck allows 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.

**K107VI** Keyless Chuck Attachment 0 - 6.3mm

**K114B AO Quick Release Attachment**

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**

<table>
<thead>
<tr>
<th>CUT THICKNESS</th>
<th>LENGTH</th>
<th>WIDTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>K141</td>
<td>1.0mm</td>
<td>14.2mm</td>
</tr>
<tr>
<td>K142</td>
<td>1.0mm</td>
<td>30.0mm</td>
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<tr>
<td>K144</td>
<td>1.0mm</td>
<td>30.0mm</td>
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<td>K146</td>
<td>0.65mm</td>
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<td>K147</td>
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<td>K148</td>
<td>0.65mm</td>
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<td>K149</td>
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<td>K152</td>
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<td>K154</td>
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<tr>
<td>K155</td>
<td>0.65mm</td>
<td>42.7mm</td>
</tr>
</tbody>
</table>

**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 K220VI

**K120 Blades**

<table>
<thead>
<tr>
<th>CUT THICKNESS</th>
<th>LENGTH</th>
<th>WIDTH</th>
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<tbody>
<tr>
<td>K123</td>
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<td>K124</td>
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<td>K125</td>
<td>1.0mm</td>
<td>15.1mm</td>
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<td>K132</td>
<td>0.7mm</td>
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<td>K133</td>
<td>0.7mm</td>
<td>15.1mm</td>
</tr>
<tr>
<td>K134</td>
<td>0.7mm</td>
<td>31.0mm</td>
</tr>
</tbody>
</table>

**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.

**3MHOSEVI** MiniDriver Hose

**3MHOSEVIUS** MiniDriver Hose US Schrader

**3MHOSEIVISIM** MiniDriver Hose To A201 Spec - 3 Metre Long
Air Hoses
What do I need?
To get the correct hose you will need to know two things – the make/model of instrument the hose is to fit, and the type of supply outlet you have.
Outlet connectors cause most fitting issues. Most usual outlet – UK MA7. This will only accept UK MA7 probes. If your hose pushes in, but will not click home, the hose usually has a US Schrader fitting. Hoses sourced outside the UK & USA are very unlikely to be compatible with UK outlets as each country has its own connectors for safety reasons.
Hose outlet connectors are shown with the relevant outlet. Schrader hoses can be as shown but can also have no gutter round the probe. A UK MA7 probe will fit a Schrader socket, but a Schrader probe will NOT fit a UK MA7 outlet without a special adaptor.

UK MA7

SCHRADER

Common Instrument Connectors:

Halls Connector – fits most Halls Air Tools, Surgairtome Spinal System and many others.

Air Instrument Care Products
Maintenance will ensure continuing excellent performance and minimal repair bills. It’s crucial to follow manufacturer’s guidelines.

M317 Lubricant for MiniDriver and Minos
M316 Vi Air Instrument Oil

Air Regulators & Hose Probes
All the air equipment runs on medical air at 7 Bar (100PSI). Drills and saws can be run from compressors as their air requirement is intermittent. High speed drills need bottled gas or a big compressor. A twin dial regulator is best to control gas pressure (001756). One dial gives bottle pressure, the other one gives line pressure (7 Bar).
UK supplied hoses come with an MA7 probe (medical air 7 Bar pressure). Schrader fittings on hoses purchased from the USA look similar to UK MA7 probes. Many will however not lock into UK MA7 sockets. The best solution is to change the probe. A cheaper alternative is to use a Schrader/MA7 Convertor (001758).

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.

Bur Guards
Spinning at 100,000 rpm the shaft needs support. These are the original Halls Guards.

Halls Bur Guards

VIMBG Medium Bur Guard For Burs 45-51mm Long
VILBG Long Bur Guard For Burs 70mm Long

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Spinning at 100,000 rpm the shaft needs support. These are the original Halls Guards.

Halls Bur Guards

VIMBG Medium Bur Guard For Burs 45-51mm Long
VILBG Long Bur Guard For Burs 70mm Long
Burs

All surgical burs have a 2.36mm shank (HP fitting) & will fit in all high speed surgical bur systems e.g. 3M’s Minos, Halls Surgairtome & Foredom. 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.

<table>
<thead>
<tr>
<th>BUR TYPE</th>
<th>ORDER CODE (Carbide)</th>
<th>ORDER CODE (Diamond)</th>
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</thead>
<tbody>
<tr>
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<td>OVERALL BUR SIZE</td>
<td>LENGTH</td>
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<tr>
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<td>2.3</td>
<td>51mm Medium</td>
<td>M23R</td>
</tr>
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<td>51mm Medium</td>
<td>M30R</td>
</tr>
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<td>4.0</td>
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<td>M40R</td>
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<tr>
<td>5.0</td>
<td>95mm Extra Long</td>
<td>X50R</td>
</tr>
</tbody>
</table>

Bur Stands

Bur Block Holds x6 Burs - Burs Not Included
To view the Spinal Surgery area of our website, please scan the QR code:
Cervical Intervertebral Fusion Implant
C-LOX has been developed by Rita Leibinger in cooperation with Professor Dr. Frank Forterre, Bern University (Switzerland). Surgical protocol available on request.

C-LOX Complete Set

The C-LOX Complete Set:
- C-LOX Tray
- Screwdriver Handle Silicone
- C-LOX Screwdriver Shaft 2.7mm Star-Drive 135mm AO
- Locking Drill Guide 2.7 (1 of each size working end)
- C-LOX Implantation Placement Rod 22cm
- C-LOX Spinal Curette 22cm
- Bone Drill AO Shaft Ø 2.0 mm 100/75 mm
- Bone Drill AO Shaft Ø 2.5 mm 110/85 mm
- C-LOX Spinal Cage Titanium, 2.7mm H-Plate with Almond Cage Locking with Spikes (1 of each size)
- C-LOX Sizing Cage for Spinal Cage H-Plate with Almond Cage (1 of each size)
- Star Drive Spinal Cage Locking Screw Titanium

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 14mm 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 2.7mm 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 Twist Drill

Anti-slip tip & length matched to C-LOX drill sleeve, AO fitment.
- CLOX148008120 C-LOX 2.0mm AO shaft Twist Drill Bit 100mm Long
- CLOX148008125 C-LOX 2.5mm AO shaft Twist Drill Bit 110mm Long

C-LOX Locking Drill Guides

Used with 2.0mm drills & 2.7mm screws.
- 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 Distractor

Used to distract the intervertebral disk space. 90mm deep.

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

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

Micro Spine Rongeur Set

Very fine Rongeurs with a 1.75mm (width) bite. Set contains 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.
- Stronger than Duck-Billed Daniels.

001432 Laminectomy Rongeurs 2mm 160mm
001433 Laminectomy Rongeurs 3mm 160mm

Lempert Straight

Useful for spines & bulla osteotomy.

6730/10 Lempert Rongeurs Straight 3mm Bite 190mm 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

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 jaw widths. Length 190mm.

001429 Compound Action Spinal Rongeurs 2mm
001430 Compound Action Spinal Rongeurs 3mm
001431 Compound Action Spinal Rongeurs 4mm

Stille-Luer Rongeurs

A very large rongeur:

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. 185mm shaft.

001445 Smith-Kerrison Punch Forceps 2mm
001446 Smith-Kerrison Punch Forceps 3mm

40˚ Bone Punch Forceps (Low Profile)

Designed for use where a high speed bur has removed the outer cortical layer and the underlying cancellous layer, the powerful nibbling action of this device allows very controlled removal of the final layer of cortical bone. The wedge-shaped foot of this device is designed to allow good access whilst still retaining strength, and is polished to minimise friction and potential trauma. Overall length 210mm.

001438 Spine Punch Forceps 2mm 40˚ Upward Cut
001439 Spine Punch Forceps 3mm 40˚ Upward Cut
001441 Spine Punch Forceps 4mm 40˚ Upward Cut
Retractors & Distractors

Gelpi Odd Leg Retractor

The asymmetric pattern is most typically used for a dorsal approach to the spine, where the long arm extends deep to retract the longissimus dorsi muscle, as the short arm engages with axial structures. They are supplied in matched, opposite pairs to create a rectangular window of exposure.

- 001333  Gelpi Self Retaining Retractors Odd Leg 205mm Pair
- 001334  Gelpi Self Retaining Retractors Odd Leg 130mm Pair

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

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

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

McKee Distractor With Speedlock

The odd legs of this dedicated distractor engage the inter-vertebral space cranial to & caudal to the space involved. The speedlock opens the disc space leaving it uncluttered by instrumentation.

- 090257  McKee Distractor With Speedlock 240mm

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
Hand Instruments

**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.

- Burley Disc Scoop 155mm

**Very Fine Periosteal Elevator**

The Dandy nerve hook is useful for manipulation of nerves & nerve roots. Also useful for manipulation of the medial meniscus during CCL procedures.

- Dandy Nerve Hook 1mm 190mm Long
- Dandy Nerve Hook 2mm 220mm 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.

- Dandy Nerve Hook 1mm 190mm Long
- Dandy Nerve Hook 2mm 220mm Long

**Freer Periosteal Elevator**

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

- Freer Periosteal Elevator 5mm 180mm Long

**Chase Spinal Hook**

Based on a suggestion from Damian Chase. This probe is useful for manipulation of the spinal cord & nerve roots during certain surgeries.

- Chase Spinal Hook 8mm 90° Offset 145mm Long

**Bone Curette**

Following requests for a House curette with smaller scoops. This is the smallest scoop we can provide whilst still being strong enough to elevate bone.

- Bone Curette 2.0mm Scoop 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.

- House Curette 2.5 & 3.0mm Scops 150mm

**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.

- Rosen Mobiliser No.8 160mm
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

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

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

Bone cement can be used for stabilising spinal fractures. Use screws or pins to provide ‘keying’ points.

Can also be used for distraction of the disc space using a small screw & filling the space with Gentamycin BC1G Bone Cement.

BC1  High Viscosity - 40 Grams
BC1G  High Viscosity With 20 Grams Gentamycin
BC3G  Low Viscosity (Syringe) With 20 Grams Gentamycin
SYRINGE50  50ml Catheter Mounth Syringe Sterile

Lyostypt®

Lyostypt® is a wet-stable collagen haemostat. Collagen leads to thrombocyte adhesion & to activation of coagulation factor XII. 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)
Surgical Instrumentation

To view the Surgical Instrumentation section of our website, please scan the QR code:
Vi General Surgery Kit

Vi surgical instrument kits contain specifically selected high quality instrumentation for your small animal surgical needs.

The Vi General Surgery Kit contains:
- 584760 Mayo Needle Holder 140mm x1
- 746100 Metzenbaum Scissors - Straight 145mm x1
- 745300 Mayo Scissors Chamf Blades 140mm 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
- 341145 Dissecting Forceps 1/2 Teeth 150mm x1
- 0803 Scalpel Handle No 3 x1
- 171566 Jones Cross Action Towel Clips x4

VIGSKIT  Vi General Surgery Kit

Vi Basic Surgery Stitch Up Kit

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

The Vi basic surgery stitch up kit contains:
- 584760 Mayo Needle Holder 140mm x1
- 745300 Mayo Scissors Chamf Blades 140mm x1
- 106600 Spencer Wells Artery Forceps - Straight 125mm x2
- 346850 Treves 1/2 Teeth Dissecting Forceps 125mm x1
- 0803 Scalpel Handle No 3 x1

VIBSSKIT  Vi Basic Surgery Stitch Up Kit

Left Handed Instrument Starter Kit

Vi offer a selection of left handed instruments, identified by one black handle. The Left Handed Kit contains a range of general surgical instrumentation in a stainless steel box.

The Left Handed Instrument Starter Kit contains:
- 585400L Olsen Hegar Needle Holders - Left Handed x1
- 745300L Mayo Scissors Str 140mm - Left Handed x1
- 746200L Metzenbaum Scissors Str 145mm - Left Handed x1
- 746110L Metzenbaum Scissors Str 180mm - Left Handed x1
- 103175L Halstead Forceps Str 125mm - Left Handed x2
- 103225L Halstead Forceps Cof 125mm - Left Handed x2
- 101780L Crile Forceps Cof 140mm - Left Handed x4
- 841350L Backhaus Towel Clips - Left Handed x4
- 341210 Adson Serrated Dissecting Forceps 125mm x1
- 342005 Debakey Forceps 150mm x1
- 0803 Scalpel Handle No 3 x1
- BX201040 Stainless Steel Box 200mm X 100mm X 40mm x1

LHKIT  Left Handed Instrument Starter Kit
Artery Forceps

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”

Rochester Pean

Long jaw forceps, useful as a hysterectomy clamp in cats & small-medium breed bitches.

106225  Rochester Pean Artery Forceps Str 14cm 5.5”
106230  Rochester Pean Artery Forceps Str 16cm 6.5”
106235  Rochester Pean Artery Forceps Str 18cm 7”
106236  Rochester Pean Artery Forceps Str 22cm 8.5”
106270  Rochester Pean Artery Forceps Cof 14cm 5.5”
106275  Rochester Pean Artery Forceps Cof 16cm 6.5”
106280  Rochester Pean Artery Forceps Cof 18cm 7”
106285  Rochester Pean Artery Forceps Cof 20cm 8”
106290  Rochester Pean Artery Forceps Cof 22cm 9”

Halstead Mosquito

Very light but adequate for routine haemostasis in all but the largest blood vessels.

103165  Halstead Mosquito Artery Forceps Str 10cm 4”
103170  Halstead Mosquito Artery Forceps Str 13cm 5”
103175  Halstead Mosquito Artery Forceps Str 12.5cm 5”
103225  Halstead Mosquito Artery Forceps Cof 12.5cm 5”
103180  Halstead Mosquito Artery Forceps 1/2 Teeth Str 12.5cm 5”
103185  Halstead Mosquito Artery Forceps 1/2 Teeth Cof 12.5cm 5”

Crile

Jaw is somewhat lighter than the more popular Spencer Wells Artery Forceps.

101750  Crile Artery Forceps Str 14cm 5.5”
101755  Crile Artery Forceps Atraumatic Jaws Str 14cm 5.5”
101765  Crile Artery Forceps Str 16cm 6.5”
101775  Crile Artery Forceps Str 18cm 7”
101780  Crile Artery Forceps Cof 14cm 5.5”
101785  Crile Artery Forceps Atraumatic Jaws Cof 14cm 5.5”
101795  Crile Artery Forceps Cof 16cm 6.5”
101800  Crile Artery Forceps Cof 18cm 7”

Kocher

Similar to Rochester Peans, but with a 1/2 toothed tip for added security.

105520  Kocher Artery Forceps Cof 14cm 5”
105521  Kocher Artery Forceps Str 15cm 6”
105522  Kocher Artery Forceps Cof 15cm 6”

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

Rampleys Sponge Forceps

- 786505  Rampleys Sponge Forceps 25cm

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 Tissue Forceps 2/3 Teeth 15cm 6”
- 801155  Allis Tissue Forceps 3/4 Teeth 15cm 6”
- 801156  Allis Tissue Forceps 3/4 Teeth 18cm 7”
- 801160  Allis Tissue Forceps 4/5 Teeth 15cm 6”
- 801161  Allis Tissue Forceps 4/5 Teeth 20cm 8” Angled
- 801165  Allis Tissue Forceps 5/6 Teeth 15cm 6”
- 801170  Allis Tissue Forceps 6/7 Teeth 15cm 6”
- 801175  Baby Allis Tissue Forceps 4/5 Teeth 13cm 5”

Babcock

An alternative to Allis. 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 17cm 6.5”
- 7853/05SPARE  Young Tongue Forceps Spare Rubbers 1 Pair
Scalpel Blades & Handles

Swann Morton Handles

- 0803: Scalpel Handle No 3
- 0804: Scalpel Handle No 4
- 0805: Scalpel Handle No 5B
- 0807: Scalpel Handle No 7
- 0909: Scalpel Handle No 9
- 0923: Scalpel Handle No B3
- 02652: PM40 Standard Handle

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

Scapel Blade Removers

- 240109: Scalpel Blade Removing Forceps
- 5525: Scalpel Blade Remover Box of 10

Beaver Type Handle

- 06054: Vi Fine Beaver Type Scalpel Handle 130mm
- 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

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

Scalpel Handles & Blades

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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 versions which vary according to blade construction & cutting characteristics. They can be identified by handle colour.

- Standard: Stainless - silver-coloured throughout
- SuperCut: Black handles
- Tungsten Carbide: Gold handles
- SuperCut T.C.: One black handle, one gold handle

Surgical Scissors - Mayo

The Mayo is a general purpose surgical scissor.

- 745300 Mayo Chamfer Blades Sr 14cm 5.5"
- 745310 Mayo Chamfer Blades Sr 16.5cm 6.5"
- 745320 Mayo Chamfer Blades Sr 19cm 7.5"
- 745330 Mayo Chamfer Blades Sr 21.5cm 8.5"
- 745400 Mayo Chamfer Blades Cof 14cm 5.5"
- 745410 Mayo Chamfer Blades Cof 16.5cm 6.3"
- 745420 Mayo Chamfer Blades Cof 19cm 7.5"
- 745430 Mayo Chamfer Blades Cof 21.5cm 8.5"

Surgical Scissors - Metzenbaum

The Metzenbaum is a finer lighter scissor than the mayo.

- 746100 Metzenbaum Scissor Sr 14cm 5.75"
- 746101 Metzenbaum Scissor Sr 15cm 6"
- 746110 Metzenbaum Scissor Sr 18cm 7"
- 746115 Metzenbaum Scissor Sr 20.5cm 8"
- 746130 Metzenbaum Scissor Cof 14cm 7"
- 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 - 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 Sr 14cm 5.5"
- 760002 Mayo Supercut Cof 14cm 5.5"
- 760008 Metzenbaum Supercut Sr 14.5cm 5.75"
- 760009 Metzenbaum Supercut Cof 14.5cm 5.75"
- 760010 Metzenbaum Supercut Sr 18cm 7"
- 760012 Metzenbaum Supercut Cof 18cm 7"

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 Sr 15cm 6"
- 752260 Mayo Clinical Hard Edge Sr 18cm 7"
- 752280 Mayo Clinical Hard Edge Cof 15cm 6"
- 752290 Mayo Clinical Hard Edge Cof 18cm 7"
- 754020 Metzenbaum Hard Edge Sr 14.5cm 5.75"
- 754030 Metzenbaum Hard Edge Sr 18cm 7"
- 754060 Metzenbaum Hard Edge Sr 22cm 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"
Combining the hard wearing characteristics of tungsten carbide with supercut tapered edges to provide a very fine cut & long interval between sharpening.

**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”

**Dressing Scissors**

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”

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/Blunt**

742810  Dressing Scissors Blunt/Sharp Str 5”
742820  Dressing Scissors Blunt/Sharp Str 6”
743100  Dressing Scissors Blunt/Sharp Cof 5”
743120  Dressing Scissors Blunt/Sharp Cof 6”

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”
742900  Dressing Scissors Blunt Cof 12.5cm 5”
742910  Dressing Scissors Blunt Cof 14cm 5” Serrated
742920  Dressing Scissors Blunt Cof 15cm 6”
742930  Dressing Scissors Blunt Cof 18cm 7”

**General Scissors**

**Dressing - Sharp/Sharp**

**Dressing - Blunt/Sharp**
**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 inexpensive 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 offer the best grip, and dedicated suture scissors offer the best cutting action. 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.

Olsen Hegar Scissor/Needle Holder

Olsen Hegars are usually considered the ‘go to’ choice for general surgery. Highly recommended. Combined scissor/needle holder.

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.

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.

McPhails

The McPhails needle holder has one soft copper jaw 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.

Gillies

Combined scissor/needle holder. No ratchet.
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"

Miniature Foster Gillies

- 602710 Miniature Foster Gillies T.C. 100mm 4"

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

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

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"

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 cranial 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.

- 589000 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 dissecting forceps.

341070  Block End Serrated Dissecting Forceps 12.5cm 5"
341075  Block End Serrated Dissecting Forceps 15cm 6"
341080  Block End Serrated Dissecting Forceps 18cm 7"
347655  Dressing Forceps 20.5cm 8"

Treves Rat Tooth Forceps

General purpose rat tooth dissecting forceps.

346850  Treves Dissecting Forceps 1/2 Teeth 12.5cm 5"
346855  Treves Dissecting Forceps 1/2 Teeth 15cm 6"
346860  Treves Dissecting Forceps 1/2 Teeth 18cm 7"
347665  Fine Rat Tooth Thumb Forceps 20.5cm 8"

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 4" 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 15.3cm 6"
343002  Connective Tissue Forceps 18cm 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 12.5cm 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 15cm 6”
- 342010 DeBakey Dissecting Forceps 18cm 7”
- 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

- 014160 St. Martin Dissecting Forceps Teeth 9cm 3.5”

Retractors

Good retraction is the key to success in many procedures, especially surgery on deep structures e.g. the pelvis or the larynx.

Langenbeck Retractor

- 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

- 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

- 001114 Fat Pad Retractor 180mm

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.
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 Retractor

The two blades swivel as retraction takes place. They self-centre in the incision.

- 703260  Collins Retractor 110mm Spread

Finnochetto Rib Retractor

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
- 701600  Gosset Retractor Small 100mm Spread

Balfour Retractor

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.

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
- 25-2377  Medium Balfour 115mm Spread
- 25-2376  Baby Balfour Retractor 90mm Spread
- 25-2375R  Balfour Locking Ring

Ring Retractor

Some abdominal approaches require a more complex retraction system than a simple Balfour or Gosset. The Vi 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 silicone with a stainless hook. The strips are autoclavable but will require periodic replacement.

All the rings fit into standard counter-top autoclaves.

Please note: Vi Sterile Hooks are compatible with other retractor systems.
**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.

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 Blunt Tips 90mm Long Set Of 2
- 001333: Odd Leg Gelpi Pair (a=25/40mm) 205mm Long

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**Travers Retractor**

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 9.5cm

**Weislander Retractor**

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 Retractor**

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
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.

**Blunt Dissection Probe 140mm**

**Winged Director 130mm**

**Cheatle Steriliser Forceps**

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 Sterile Hooks.

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

**Gelpi Bungee Retractor**

**Set of 10 Sterile Hooks**

**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.

**Surgical Skin Marker Single**

**Through a true partnership approach, you can deliver quantifiable rewards for you and your Practice by joining our Veterinary Instrumentation Partnership Programme.**

To find out more, scan the QR code below.
Left Handed Instruments
Vi offer a selection of left handed instruments, identified by one black handle.

Left Handed Instrument Starter Kit

The left handed kit contains a range of general surgical instrumentation in a stainless steel box.

The Left Handed Instrument Starter Kit contains:

585400L Olsen Hegar Needle Holders - Left Handed x1
745300L Mayo Scissors Str 5.5” - Left Handed x1
746200L Metzenbaum Scissors Str 5.75” - Left Handed x1
746110L Metzenbaum Scissors Str 18cm/7” - Left Handed x1
103175L Halsted Forceps Str 5” - Left Handed x2
103225L Halsted Forceps Cof 5” - Left Handed x2
101780L Crile Forceps Cof 5.5” - Left Handed x4
341210 Adson Serrated Dissecting Forceps 125mm x1
342005 Debackey Forceps 6” x1
841350L Backhaus Towel Clips - Left Handed x4
0803 Scalpel Handle No 3 x1
BX201040 Stainless Steel Box 200mm X 100mm X 40mm x1

LHKIT Left Handed Instrument Starter Kit

Left Handed Artery 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 Paen Artery Forcep Straight LH 16cm 6.5”
106275L Rochester Paen 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”
585240L Olsen Hegar Needle Holder LH 18cm 7”

Left Handed Foster Gillies

582660 Foster Gillies Needle Holder LH 12.5cm 5”
602705 Foster Gillies Needle Holder LH TC Jaws 12.5cm 5”

Left Handed Gillies

582951 Gillies Needle Holder LH 16cm 6.25”
602951 Gillies Needle Holder LH TC Jaws 16cm 6.25”
To visit the Soft Tissue Surgery section of our website, please scan the QR code.
Introducing The New
BOAS Mouth Gag
BOAS Mouth Gag

The brand new BOAS Mouth Gag from Vi has been developed specifically to aid surgeons performing BOAS surgery. The unique design allows vastly improved visualisation and surgical access during these procedures.

This new device is based on the design of the ever-popular table-top gag for rabbit and rodent dentistry, with several key features and adaptation specifically intended for BOAS surgery.

Special design features include:

- Fully adjustable tilting base to support the upper body of the patient at the desired angle to maximise visualisation and access.
- The tilting base is supported by sturdy upright bars to ensure excellent stability and optimal weight capacity.
- Two adjustable horizontal bars to retain the patients’ mouth open in the desired position. Both bars are adjustable up/down, and the upper bar also adjusts forwards/backwards.
- Silicone bar sleeves for the horizontal bars are available to minimise potential trauma to the patient’s gums.
- Front-positioned cleat hook to allow tie-down of the tongue if desired.
- Supporting hook for the ET tube or anaesthetic circuit. This is height-adjustable and can be positioned to either the front or the side of the upright.

BOASMG  BOAS Surgery Mouth Gag Complete
BOASST  BOAS Silicone Bar Sleeve 190mm Long

Vi supply a set of instruments suitable for BOAS and upper airway surgery. The BOAS Surgical Kit (Standard) contains:

- 014050  Soft Palate Clamps Internal 18x7mm  x1
- 014040  Soft Palate Clamps Internal 26x12mm  x1
- 760012  Metzenbaum Supercut Scissors 180mm Cvd  x1
- 801156  Allis Tissue Forceps 3/4 Teeth 180mm  x2
- 602010  DeBakey TC Needleholder 200mm  x1
- 342020  DeBakey Atraumatic Dissecting Forceps 205mm  x1
- BX201470-F  Premium Instrument Box 300x140x70mm w/ Filters  x1
- PBXS270125  Fingered Silicone Mat 270x125mm Green  x1

BOASSTDKIT  BOAS Surgical Kit - Standard

ViPP

Through a true partnership approach, you can deliver quantifiable rewards for you and your Practice by joining our Veterinary Instrumentation Partnership Programme.

To find out more, scan the QR code below.
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

Negus Forceps

7018/05 Negus Artery Forceps Small Cof 18cm 7"

Angled Allis Tissue Forceps

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 20cm the length is longer than the standard Allis.

801161 Angled Allis Tissue Forceps 4/5 Teeth 20cm Long
**Aural Surgery**

**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 malleable instrument set contains:

- 014098 Malleable Grasping Forceps 145mm Shaft x1
- 014099 Malleable Biopsy Forceps 2mm Cup 145mm Shaft x1
- 012528 Malleable Ear Loop Curette 2.0mm Diameter x1
- 012529 Malleable Ear Loop Curette 4.0mm Diameter x1

Stainless steel box with silicone insert.

- 014125 Malleable Instrument Set in Stainless Steel Case

**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. Vi’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. The Buck ear loop is firmer.

- 012526 Canine Buck Looped Ear Curette
- 012528 Flexible Ear Loop Cat/Small Dog Size 160mm Long
- 012529 Flexible Ear Loop Medium/Large Dog Size 160mm Long

**Malleable Grasping & Biopsy Forceps**

The fine flexible grasping forceps have a maximum diameter of 1.7mm & are therefore ideal for small working channels & speculae. The forceps are available as graspers or as biopsy forceps.

- 014098 2mm Malleable Grasping Forceps 145mm
- 014099 2mm Malleable Biopsy Forceps 145mm

**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, 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
Working inside the chest of medium & large dogs will require extended instrumentation. The instruments listed below represent a useful kit. 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:

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<thead>
<tr>
<th>Code</th>
<th>Product Description</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>106205</td>
<td>45 Degree Curved Forceps 220mm</td>
<td>x1</td>
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<td>105415</td>
<td>90 Degree Curved Forceps 245mm</td>
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<td>754060</td>
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<td>342020</td>
<td>DeBakey Thumb Forceps 205mm</td>
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<td>347655</td>
<td>Dressing Forceps 205mm</td>
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<td>Satinsky Clamps 160mm Long 20mm Jaw</td>
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**Finnochetto Rib Retractors**

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<tr>
<td>704000</td>
<td>Rib Retractor Finnochetto 95mm</td>
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<tr>
<td>704005</td>
<td>Rib Retractor Finnochetto 130mm</td>
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**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
- **014052M** Mixter Forceps With Ratchet 140mm Long
- **014052A** Right Angled Clamp With Ratchet 250mm

**Curved Forceps - Long**

- **106205**  45 Degree Curved Forceps 220mm Long
- **105415**  90 Degree Curved Forceps 235mm Long
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'.

The teeth on these forceps face backwards for maximum grip. When closed the jaws are atraumatic for minimal damage to the oesophagus or trachea. It is helpful to inflate the oesophagus prior to withdrawal of spiky objects.

**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

<table>
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<th>Code</th>
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<th>Length at Jaws in mm</th>
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<td>220 mm Shaft Length</td>
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Ovariohysterectomy

Feline Spay Kit

The Feline Spay Kit contains:
- 585400 Olsen Hegar Needleholders 140mm Long  x1
- 746300 Metzenbaum Scissors Straight 145mm Long  x1
- 106625 Spencer-Wells Artery Forceps Curved 125mm Long  x2
- 103225 Halstead Mosquito Forceps Curved 125mm Long  x2
- 014311 Spay Forceps 125mm Long x1
- 341210 Adson Dissecting Forceps 1/2 Teeth 125mm Long x1
- 171566 Jones Cross Action Towel Clips 90mm Long  x2
- 0803 Scalpel Handle No.3 x1
- BX201040 Stainless Steel Instrument Box x1

SPAYFEL Cased Feline Spay Kit

Canine Spay Kit

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

SPAYCAN Cased Canine Spay Kit

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

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.

- 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 ligature 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 ligature is tied without precrushing but is retained by a small haemostat to check for bleeding prior to closure

Obstetrical Items

- 546455 Killian Bitch Speculum Blade Length 650mm Long (2½”)
- 546465 Hobdays Obstetric Forceps for Cats 150mm Long
- 546466 Hobdays Obstetric Forceps for Dogs 210mm Long

Hauptman Retractors

This retractor designed by Joe Hauptman 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
Abdominal Surgery

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

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.

25-2375AHM  AHM Balfour Retractor 180mm Spread
25-2375  Standard Balfour Retractor 180mm Spread
25-2377  Medium Balfour 115mm Spread
25-2376  Baby Balfour Retractor 90mm Spread
25-2375R  Balfour Locking Ring

Ring Retractor

Some abdominal approaches require a more complex retraction system than a simple Balfour or Gossett. The Vi 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 silicone with a stainless hook. The strips are autoclavable but will require periodic replacement.

All the rings fit into standard counter-top autoclaves.

Please note: Vi Sterile Hooks are compatible with other retractor systems.

701700  Ring Retractor Set - S, M, L Rings With 10 Sterile Hooks
701701  Large Ring 200 x 130mm Internal
701702  Medium Ring 160 x 85mm Internal
701703  Small Ring 110 x 40mm Internal
701H00K-A  Set of 10 Sterile Hooks

Ameroid Constrictors

Supplied sterile. Used exclusively in the surgical treatment of hepatic shunts, the Ameroid Constrictor gradually occludes the blood vessel in question allowing the circulation to adjust.

The Casein (clay-like) layer expands as it absorbs water, constricting the blood vessel within. 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
Doyen Bowel Clamp

![Doyen Bowel Clamp Image]

**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.

- **201950** Bowel Clamps Doyen Sr 9.5” 24cm
- **201955** Bowel Clamps Doyen Cof 9.5” 24cm

Autoclavable soft silicone shoes created to fit the Doyen Bowel Clamps, making the Doyen more atraumatic. Ribs maximise grip.

- **EXTR201950** Silicone Shoe For Doyen Bowel Clamps 1 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

**201956** Resano Bowel Clamp 20.5cm 8” 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** 230 x 15 x 8mm
- **Small** 250 x 20 x 10mm
- **Large** 270 x 44 x 23mm

- **014703** Soft Edged Spoon - XSmall
- **014700** Soft Edged Spoon - Small
- **014701** Soft Edged Spoon - Large
- **014702** Soft Edged Spoon - Set of 3

**Loan Kits**

For a nominal fee, we 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.

To find out more, scan the QR code below.

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*Tel 0345 130 9596  info@vetinst.com*

*Soft Tissue Surgery 8*
**Norfolk Vet Products**

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 percutaneously using a special non-coring Huber point needle to either withdraw, sample or administer/flush as required, with minimal disturbance & distress to the patient.

Surgical guides and further information is available online at www.norfolkvetproducts.com

**Pleural Port**

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.

Indications for use are repeated aspiration of the thoracic cavity, or intra-cavity chemotherapy.

- NOR-PP-102K Pleural Port - Dogs
- NOR-PP-202K Pleural Port - Cats

**CompanionPort for Vascular Access**

The CompanionPort for vascular access is designed to provide a more comfortable way of gaining repeated access to the venous system for both delivery of medication and repeat blood sampling.

Each kit contains a titanium port (3 sizes available) and a round tip radiopaque silicone catheter with depth markings. 22g Huber needles are included in all sizes.

- NOR-CP-100K CompanionPort Vascular Access Le Petite - Small Cats
- NOR-CP202K CompanionPort Vascular Access Le Port - Cats & Small Dogs
- NOR-CP305K CompanionPort Vascular Access Le Grande - Larger Dogs

**Training & Education**

Our new e-learning platform delivers a variety of technical and clinical educational material, in an engaging and interactive format.

And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
The SUB™ - A Subcutaneous Ureteral ByPass System

The Subcutaneous Ureteral Bypass (SUB™) device is a unique system designed for use in cats and dogs.

Redesigned to reduce some of the most common complications seen in prior SUB™ devices, the SUB™ 3.0 consists of one or two locking loop pigtail catheters placed in the kidney(s), one straight catheter placed in the bladder, a subcutaneous titanium SwirlPort™, and a “Y” or “X” Connector junction for securing the catheters.

Indications for using the SUB™ 3.0 include:
- Ureteral Obstruction associated with Ureteral Stone Disease
- Ureteral strictures – the abnormal narrowing of the ureter
- Ureteral Stent Reaction
- Ureteral Stent Intolerance
- Malignant Obstructions

Items included in the kit:
- SwirlPort Access Port and Catheter Tubing, Locking Loop Nephrostomy Catheter(s), Straight Bladder Catheter, “Y” or “X” Connector, .035” J-Tip Guidewire, 2 x Posi-grip Huber Point Needles, Over-the-Needle IV Catheter(s), Blue Boot Catheter Connectors.

Artificial Urethral Sphincter (AUS) Port System

The Artificial Urethral Sphincter Port System (AUS™) is designed for dogs and cats for the long-term relief of sphincter mechanism incontinence that is unresponsive to medical management.

The AUS Port system has 2 components: a titanium access port and a silicone AUS occluder catheter.

The device employs a silicone cuff placed around the proximal urethra and filled with variable amounts of saline to provide mechanical obstruction to urine flow through the urethra. The degree of resistance to flow is adjusted using a subcutaneous access/injection port that is subcutaneously placed on the inner thigh. There is no exit site.

The Artificial Urethral Sphincter Port System – the access port, occluder and accessories – are packaged as a sterile kit complete with Huber point accessing needles.

Access Port available in 3 sizes supplied sterile with Huber needles:
- DXAUS-KIT-CP6 Companion Port Kit S Sterile
- DXAUS-KIT-CP4 Companion Port Kit M Sterile
- DXAUS-KIT-CP2 Companion Port Kit L Sterile

Most common size can be purchased as port only supplied sterile:
- DXAUS-CP4 Companion Port Only M

Cuffs available individually; supplied sterile:
- DXAUS-KIT-4X11 Artificial Urethral Sphincter 4x1 11mm Sterile
- DXAUS-KIT-6X11 Artificial Urethral Sphincter 6x1 11mm Sterile
The Hepatic Shunt Occluder (HSO™) Port System is designed to produce gradual and complete occlusion of Congenital Portosystemic Shunts (IHPSS) that is percutaneously controlled through an access port. The occlusion is easily reversed if postoperative portal hypertension occurs.

The HSO-Port System consists of an inflatable silicone cuff and a titanium access port.

The full kit contains:
1 x access port (Medium supplied as standard)
1 x HSO (size as selected)
2 x 22g Huber point needles
1 x 22g right angle infusion set

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

Access Port available in 2 sizes supplied sterile with Huber needles:
DXAUS-KIT-CP4  Companion Port Kit M Sterile
DXAUS-KIT-CP2  Companion Port Kit L Sterile

Most common size can be purchased as port only supplied sterile:
DXAUS-CP4  Companion Port Only M Sterile

HSO available singly, supplied sterile:
DXHS-4  Hepatic Shunt Occluder 4mm Sterile
DXHS-6  Hepatic Shunt Occluder 6mm Sterile
DXHS-8  Hepatic Shunt Occluder 8mm Sterile
DXHS-10 Hepatic Shunt Occluder 10mm Sterile
DXHS-12 Hepatic Shunt Occluder 12mm Sterile
DXHS-14 Hepatic Shunt Occluder 14mm Sterile
DXHS-16 Hepatic Shunt Occluder 16mm Sterile

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.

DXHUBERRIGHT  22g Right Angle Huber Infusion Set 3/4” Single Sterile

SUB Flush Kit
This convenient kit contains the items you need to quickly and effectively flush the SUB™ System.

SUB™ Flush Kit Contents
SFK-22 – for use with All Shunting Ports
- 1 x T-Port Connector
- 1 x 3-Way Stop-Cock
- 1 x 22-Gauge Huber Point Needle
- 2x 3ml Syringe
- 1 x 2.5ml Sterile Saline in 3ml Syringe
- 1 x 2ml T-FloLoc in 12ml Syringe

NOR-SFK-22  22g Sub Flush Kit (Case of 5)

SFK-20 – option for Swirl and Large Shunting Ports
- 1 x 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)

T-FloLoc
2% Tetra-EDTA Flush and Lock Solution
NOR-TFL-1202  T-FloLoc™ 2ml 2% Tetra EDTA Solution in 12ml Syringe Box of 10
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. Includes 6 protector pads & laminated instruction card.

<table>
<thead>
<tr>
<th>Code</th>
<th>Circumference of Neck in Inches</th>
<th>Length of Collar + Tab in Inches</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>KTK-XS</td>
<td>4 - 7&quot;</td>
<td>5.5&quot; + 2&quot;</td>
<td>X-Small</td>
</tr>
<tr>
<td>KTK-PF</td>
<td>8 - 9&quot;</td>
<td>9&quot; + 2&quot;</td>
<td>Petite</td>
</tr>
<tr>
<td>KTK-P</td>
<td>10 - 12&quot;</td>
<td>11&quot; + 2&quot;</td>
<td>Small</td>
</tr>
<tr>
<td>KTK-L</td>
<td>12 - 16&quot;</td>
<td>13&quot; + 3&quot;</td>
<td>Medium</td>
</tr>
<tr>
<td>KTK-M</td>
<td>17 - 19&quot;</td>
<td>18.5&quot; + 3&quot;</td>
<td>Large</td>
</tr>
<tr>
<td>KTK-XL</td>
<td>20 - 24&quot;</td>
<td>21&quot; + 3.5&quot;</td>
<td>X-Large</td>
</tr>
</tbody>
</table>

Kitty Kollar Tube Collar

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.

Temno Evolution Biopsy Needle

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TEM1420/1</td>
<td>Temno Evolution Biopsy Needle 14g x 200mm Single</td>
</tr>
<tr>
<td>TEM1420/5</td>
<td>Temno Evolution Biopsy Needle 14g x 200mm 5 Pack</td>
</tr>
</tbody>
</table>

Penrose Drains

Latex rubber. Use to maintain drainage from infected wounds. Also useful to retract soft tissues such as blood vessels & nerves.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>090168</td>
<td>Penrose Drain 1/4&quot; 40cm 16&quot; Long Sterile</td>
</tr>
<tr>
<td>090165</td>
<td>Penrose Drain 1/2&quot; 40cm 16&quot; Long Sterile</td>
</tr>
</tbody>
</table>

Anal Sac Kit

Anal sac conditions such as impaction or abscess formation are a common, often reoccurring problem in small animal medicine. The surgical excision of both anal sacs can be elected as a permanent solution to these reoccurring issues.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASEK5</td>
<td>Anal Sac Excision Kit Pack of 5</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>STB18</td>
<td>Vi Trucut Type Supercore Biopsy Needle 14g x 90mm</td>
</tr>
<tr>
<td>STB18B</td>
<td>Vi Trucut Type Supercore Biopsy Needle 18g x 90mm</td>
</tr>
<tr>
<td>012521</td>
<td>Trucut Soft Tissue Biopsy Needle Fully Manual 14g x 115mm</td>
</tr>
</tbody>
</table>

Polyester Mesh

Use polyester mesh to repair soft tissue defects where alternative autografts are not available. E.g. perineal hernia, umbilical hernia.

Mesh loop diameter 1mm. Sheet size 60mm x 120mm Supplied single pack sterile.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PM60120</td>
<td>Polyester Mesh 60mm x 120mm Single</td>
</tr>
</tbody>
</table>
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)

Flushing Needles

Flushing needles have a bead or olive soldered onto the tip to minimise trauma to friable soft tissues.

Ear Flushing Needles - Spreull

Often referred to as Spreull 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

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
**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.

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.

Please note the VAC unit has been discontinued by the manufacturer, we still offer a loan unit and will continue to supply consumables while stock is still available.

**Dressings sizes (unless stated):**
- Small = 10x7cm
- Medium = 18x12cm

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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>KCIM8275051/5</td>
<td>V.A.C.® GRANUFOAM™ Small Dressing Kit - Pack of 5</td>
</tr>
<tr>
<td>KCIM8275052/5</td>
<td>V.A.C.® GRANUFOAM™ Medium Dressing Kit - Pack of 5</td>
</tr>
<tr>
<td>KCIM8275052/1</td>
<td>V.A.C.® GRANUFOAM™ Medium Dressing - Single</td>
</tr>
<tr>
<td>KCIM8275096/5</td>
<td>V.A.C.® GRANUFOAM SILVER™ Medium Dressing Kit x5</td>
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<tr>
<td>KCIM8275096/1</td>
<td>V.A.C.® GRANUFOAM SILVER™ Medium Dressing Kit Single</td>
</tr>
<tr>
<td>KCIM8275098/5</td>
<td>V.A.C.® GRANUFOAM SILVER™ Small Dressing Kit x5</td>
</tr>
<tr>
<td>KCIM8275067/5</td>
<td>V.A.C.® WHITEFOAM™ Large Dressing 10 x 15cm Pack of 5</td>
</tr>
<tr>
<td>KCIM6275033/10</td>
<td>V.A.C.® WHITEFOAM™ Small Dressing - Pack of 10</td>
</tr>
<tr>
<td>KCIM8275058/5</td>
<td>ACTIV.A.C.™ 300ml Canister With Gel - Pack of 5</td>
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<tr>
<td>KCIM8275058/1</td>
<td>ACTIV.A.C.™ 300ml Canister With Gel - Single</td>
</tr>
<tr>
<td>KCIM6275026/10</td>
<td>V.A.C.® Gel Strips - Pack of 10</td>
</tr>
<tr>
<td>KCIM6275009/10</td>
<td>V.A.C.® Drape - Pack of 10</td>
</tr>
<tr>
<td>KCIM6275009/1</td>
<td>V.A.C.® Drape - Single</td>
</tr>
<tr>
<td>KCIM6275066/10</td>
<td>V.A.C.® Y-Connector</td>
</tr>
<tr>
<td>KCIM8275057/10</td>
<td>SENSAT.R.A.C.™ Pad - Pack of 10</td>
</tr>
<tr>
<td>KCIM8275057/1</td>
<td>SENSAT.R.A.C.™ Pad - Single</td>
</tr>
<tr>
<td>KCI340037/5</td>
<td>Exhaust Charcoal Filter For Simplicity Unit - Pack of 5</td>
</tr>
<tr>
<td>KCI340037</td>
<td>Exhaust Charcoal Filter For Simplicity Unit - Single</td>
</tr>
<tr>
<td>LOANVAC</td>
<td>V.A.C.® Loan Unit (Per Week)</td>
</tr>
</tbody>
</table>

**Email Marketing Service**

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Sign up today by scanning the QR code below.
Ophthalmic Surgery

To view the Ophthalmic Surgery section of our website, please scan the QR code:
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.

Basic ophthalmic surgery kit contents:

- 014175 Castroviejo’s TC Needleholder With Catch 150mm
- 014108 Stevens Tenotomy Scissors 110mm Str
- 014210S Castroviejo’s Corneal Scissors 115mm Str
- 014191 Colibri Barraquer Forceps
- 014162 Graefé Fixation Forceps
- 014132 Roberts Tying Forceps 100mm
- 014110 Barraques Speculum Blade 30 x 10mm
- 103175 Halstead Mosquito Artery Forceps 125mm Str
- 103225 Halstead Mosquito Artery Forceps 125mm Cvd
- 06054 Fine Beaver Type Scalpel Handle 130mm
- BX201040 Instrument Box 200 x 100 x 40mm
- BX3IL201040 Silicone Insert for Box For 200 x 100mm Instrument Box

Needle Holders

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

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 Sr T.C. 150mm
- 014182 Castroviejo Needle Holders/Scissor Cof T.C. 150mm Cof
- 014183 Castroviejo Needle Holders/Scissor Sr ‘S’Cut T.C. 150mm
- 014184 Castroviejo Needle Holders/Scissor Cof ‘S’Cut T.C. 150mm

Loan Kits

For a nominal fee, we 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.

To find out more, scan the QR code below.
### Miniature Foster Gillies

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>602710</td>
<td>Miniature Foster Gillies T.C. 100mm 4”</td>
</tr>
</tbody>
</table>

### 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!

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>606340</td>
<td>Ryder (Micro) T.C. Jaws 12.5cm 5”</td>
</tr>
<tr>
<td>606305</td>
<td>Ryder (Micro) 15cm 6”</td>
</tr>
<tr>
<td>606345</td>
<td>Ryder (Micro) T.C. Jaws 15cm 6”</td>
</tr>
<tr>
<td>606350</td>
<td>Ryder (Micro) T.C. Jaws 18cm 7”</td>
</tr>
</tbody>
</table>

### Barraquer 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>014120</td>
<td>Jaeger Eyelid Speculum (Stainless) 100mm</td>
</tr>
<tr>
<td>014121</td>
<td>Jaeger Eyelid Speculum Insulated 110mm</td>
</tr>
</tbody>
</table>

### Robarts Tying Forceps

Used in conjunction with the needle holders to tie knots in fine material.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>014132</td>
<td>Robarts Tying Forceps 100mm</td>
</tr>
</tbody>
</table>

### Ryder Needle Holders

Ideal for small needles. The smaller sizes are an alternative for ophthalmic needleholders.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>014215-S</td>
<td>Small 12mm Wide 140mm</td>
</tr>
<tr>
<td>014215-M</td>
<td>Medium 14mm Wide 140mm</td>
</tr>
<tr>
<td>014215-L</td>
<td>Large 16mm Wide 140mm</td>
</tr>
</tbody>
</table>

### Lister Speculum

This speculum is adjustable & has a locking mechanism. The shape is contoured for minimum interference with sutures & instruments.

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>014115</td>
<td>Lister Speculum 40mm Gape 80mm Length</td>
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### Eyelid - Speculæ

#### Desmarres Eyelid Retractor

#### Barraquer Speculum

- Small 25mm Gape 5mm 'Blade'
- Large 30mm Gape 10mm 'Blade'
Ophthalmic Forceps

Castroviejo's Corneal Forceps

Colibri (Barraquers) Forceps

Graefe Iris Forceps

Barraquers Fixation Forceps

Graefe Fixation Forceps

Arruga Capsule Forceps

Bennet's Cilia Forceps

Epilation Forceps
**Ophthalmic Scissors**

**Pooley’s Conjunctival Scissors**

Squeeze action, very delicate scissor used to extend the stab corneal incision.

- 746350 Pooley’s Conjunctival Scissors 85mm 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

**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
- 744110L Iris Scissors Str 115mm Left Handed
- 744130 Iris Scissors Cof 115mm
- 744130L Iris Scissors 115mm Cvd Left Handed
- 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 conjuction with eye enucleation forceps.

- 014225 Eye Enucleation Scissors 140mm
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 more suitable for large animal work.

- **014219** Eye Enucleation Forceps 125mm
- **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

Kimura Spatula

Use to apply pressure to globe to extrude lens rather than ‘fishing’ for it within the eye.

- **014103** Kimura Platinum Spatula 145mm

Distichiasis Clamp

- **014113** Distichiasis Clamp 170mm

Punctum Dilator

- **014116** Nettleship Dilator (Single Ended) 100mm
- **014117** Castroviejo Double Ended Punctum Dilator 130mm

Lachrymal Cannulae

- **014221** Harrison Butler Lachrymal Cannula Curved 40mm
- **014224** Lachrymal Cannula Straight Stainless Steel

Rabbit Nasolachrymal Duct Cannulae

- **012523** Nasolacrimal Duct Cannula 19 Gauge
- **012524** Nasolacrimal Duct Cannula 21 Gauge
- **012525** Nasolacrimal Duct Cannula Set 21 & 19G
To view the Dental Instrumentation section of our website, please scan the QR code:
Dental Elevators

Elevator or Luxator?

**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.

**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 pushes apically. Should not be twisted or lifted (torqued) during use. Must be kept sharp & sterilised after every use.

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 singly or as a set of 4 in stainless steel autoclave case.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Length</th>
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<tr>
<td>012309</td>
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<td>012392</td>
<td>Winged Elevator 4mm (Black)</td>
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<td>012393</td>
<td>Winged Elevators Set of 4 (Includes Free Stainless Steel Case)</td>
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<tr>
<td>012395</td>
<td>Autoclavable Stainless Steel Case For Winged Elevators</td>
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</tr>
</tbody>
</table>

Comfort Handle Elevators

Designed & developed by David Strong MRCVS, this 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.

<table>
<thead>
<tr>
<th>Code</th>
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<td>012606</td>
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<tr>
<td>012608</td>
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</table>

Comfort Handle Winged Elevators

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.

<table>
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<td>012405</td>
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</table>

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.

<table>
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<td>012618</td>
<td>Comfort Elevator Set of 6 (Includes Free Stainless Steel Case)</td>
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</tbody>
</table>
Wedge Elevator

Designed to remove the carnassial without the need to split the tooth.

- 012010 Wedge Elevator 170mm

Small Feline Elevator

The 2mm angled tip on a fine handle allows access to lingual surfaces. Also useful in the extraction of rabbit incisors.

- 012018 Small Feline Elevator 165mm

Double Ended Elevator

The curved tips are designed to follow the concave and convex curvatures of the roots, helping to prevent breaking the roots.

- 012036 Double Ended Elevator 2mm 185mm
- 012038 Double Ended Elevator 4mm 190mm

Molt Periosteal Elevator (4mm/6mm)

The 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)

Carnivore Elevator

Thin and very sharp. Used to remove tooth root fragments.

- 012001 Carnivore Elevator No. 1 (2.5mm) 145mm
- 012002 Carnivore Elevator No. 2 (3.5mm) 150mm
- 012003 Carnivore Elevator No. 3 (4.0mm) 150mm
- 012001/4S Set of Carnivore Elevators Nos. 1, 2, 3 (2.5, 3.5 and 4.0mm) & Wedge Elevator

Apical Elevator

Used to remove tooth root fragments.

- 012006 Heidbrink Apical Elevator 145mm

Couplands Elevators

This is the standard human elevator. Generally considered too thick for veterinary use.

- 012015 Couplands Chisel No. 1 (3.0mm) 150mm
- 012016 Couplands Chisel No. 2 (4.0mm) 150mm
- 012017 Couplands Chisel No. 3 (5.0mm) 150mm
Dental Luxators

Explorer/Measuring Probe

The Shepherd’s Crook Explorer is used to test tooth stability & the condition of the gum margins.

The depth of these sulci are measured using the measuring probe.

Subgingival Curette

This scaler is used to remove subgingival tartar & to plane tooth roots. 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.

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.

Hoe Scaler

Useful for removal of large areas of tartar & plaque from flat tooth surfaces.

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.
**Tartar Scrapers**

Traditional style dental scraper.

012024  Single Ended Scraper 16 160mm

**Dental Forceps**

**Tartar Forceps**

Our spring loaded tartar forceps are designed to sit comfortably in the hand to enable the veterinary dentist to remove bulky deposits from teeth.

012050  Tartar Forceps Spring Loaded 180mm
012051  Tartar Forceps Spring Loaded Cat Size 150mm
01205SET1  Tartar Forceps Set of 2 (As above)

**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.

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 forcibly extract without loosening will usually result in root breakage. Very useful for cats.

012072  Narrow Tipped Extraction Tooth Forceps
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 (As above)

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

Lip Retractor

The lip retractor solves the problem of retracting the lip for clear access to the teeth. It has a 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

- 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.

- 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
- 012795 Smith Baxter Mouth Gags Spring Bar Type Set of 5 (As above)

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 (As above)
# Dental Burs

<table>
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<th>Diamond 5 Pack</th>
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<td>5FG4D</td>
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<td>5FG6D</td>
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<td>Medium Taper Long Head</td>
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<td>Large Pear</td>
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</tbody>
</table>
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
DENTROKIT 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.

012208 LED Light With Flexible Neck (Inc Clip)

Email Marketing Service

Our marketing emails are designed to educate, to keep you up to date with what’s new at Vi & share exclusive offers & discounts.

Sign up today by scanning the QR code below.

Rabbit Dental Kits

Basic Kit (ROD1) contains:
- 012185 Rodent Mouth Gag
- 012189A Cheek Dilator Large Long Reach
- 012197CR Crossley Incisor Luxator
- 012186 Rodent Molar Cutter
- 012181 Rodent Rasp Small
- BX201040 Stainless Steel Box 200x100x40mm

Full Hand Kit (ROD2) contains:
- 012185 Rodent Mouth Gag
- 012188 Rodent Cheek Dilator Small
- 012189 Rodent Cheek Dilator Large
- 012189A Cheek Dilator Large Long Reach
- 012197CR Crossley Incisor Luxator
- 012197M Crossley Molar Luxator
- 012199 Molar Extraction Forceps
- 012186 Rodent Molar Cutter
- 012184 Rodent Spatula
- 012181A-A Molar Rasp Fine - Diamond - Small
- BX201040 Stainless Steel Box 200x100x40mm

Hand & Motor Kit (ROD3) contains:
- 001789 Diamond Disc (20mm)
- 001791 Diamond Disc Safety Shield
- 001792 Rabbit Bur Kit in Block (6 Burs)
- 001793 Rabbit Bur Soft Tissue Protector
- 012185 Rodent Mouth Gag
- 012188 Rodent Cheek Dilator Small
- 012189 Rodent Cheek Dilator Large
- 012189A Cheek Dilator Large Long Reach
- 012197CR Crossley Incisor Luxator
- 012197M Crossley Molar Luxator
- 012199 Molar Extraction Forceps
- 012186 Rodent Molar Cutter
- 012184 Rodent Spatula
- 012181A-A Molar Rasp Fine - Diamond - Small
- BX201040 Stainless Steel Box 200x100x40mm

This kit also requires a straight nose cone and air or electric drive power unit.

ROD1 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

Lightweight Rodent Mouth Gag

012185LW Rodent Mouth Gag Lightweight
012185LWS Rodent Mouth Gag Lightweight Small

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

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)

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 maloccluded 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 a 1:1 Straight Nose Cone (not included). When using the long bur (HL563) use the soft tissue protector to shield tongue & cheek.

The Rabbit Bur Kit in Block contains:

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
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<tbody>
<tr>
<td>Rabbit Bur Kit Block Only</td>
<td>x1</td>
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<tr>
<td>HL563 Very Long Cross Cut Flat Fiss (60mm)</td>
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<tr>
<td>HP704 Taper Side Cut Bar 2.3mm</td>
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<tr>
<td>HP8 Round Plain Cut 2.3mm Diameter</td>
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</tbody>
</table>

001792 Rabbit Bur Kit in Block (6 Burs)
001793 Soft Tissue Protector For Above Fits Straight Nose Cone

Components of the kit are available separately.

Training & Education

Our new e-learning platform delivers a variety of technical and clinical educational material, in an engaging and interactive format.

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AAS Darvall Warm Air System

The benefits of preventing hypothermia both during and after surgery are well documented, both in terms of improved patient care and 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.

AAS Darvall Cozy Warm Air Heater

The Darvall Cozy™ Warm Air Heater System is easy and straightforward to use. Running quietly, it is suitable for use both in theatres and recovery areas.

AAS Darvall Cozy Warm Air Heater

The Darvall Cozy™ Starter Kit contains:

• Darvall Cozy™ Warm Air Heater Unit
• Wheel Kit - 4 Push Fit Wheels
• Sample Pack of Blankets (8 Blankets in total)
• Kennel Door Adaptor (Cwik)

AAS9084  AAS Darvall Cozy™ Warm Air Heater System

AAS Darvall Kennel Door Adapter

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

AAS9842  Darvall KDA Kennel Door Adapter Kit - Cwik

AAS Darvall Warm Air Blankets - New Range

Innovative Warm Air Blankets for surgery, dentistry, exotics and kennels. Use for pre-warming, during anaesthesia and 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 and minimising hair contamination. Traditional warm air blankets have a punched out surface allowing a higher rate of air flow out of the blanket, much less suitable for veterinary patients.

The blankets are colour coded, the white side always is in contact with the patient.

AAS Darvall Warm Air System Blankets

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAS02979</td>
<td>Darvall Warm Air Surgery Under Blanket for Cats and Small Dogs - Pack of 10</td>
</tr>
<tr>
<td>AAS02275</td>
<td>Darvall Warm Air Surgery Under Blanket For Medium and Large Dogs - Pack of 10</td>
</tr>
<tr>
<td>AAS05310</td>
<td>Darvall Warm Air Dentistry Under Blanket/Surgery Over Blanket For Medium and Large Dogs - Pack of 10</td>
</tr>
<tr>
<td>AAS02827</td>
<td>Darvall Warm Air Surgery/Cage Blanket For Exotics and Small Animals - Pack of 10</td>
</tr>
<tr>
<td>AAS05360</td>
<td>Darvall Warm Air Single Kennel Blanket For Cats and Small Dogs - Pack of 10</td>
</tr>
<tr>
<td>AAS05359</td>
<td>Darvall Warm Air Double Kennel Blanket For Medium and Large Dogs - Pack of 10</td>
</tr>
<tr>
<td>AAS8460</td>
<td>Darvall Warm Air Sample Assorted Blankets - Pack of 10 (2 x 2979, 2 x 2275, 2 x 5360, 2 x 5359, 1 x 5310, 1 x 2827)</td>
</tr>
</tbody>
</table>

AAS Darvall Warm Air Sample Assorted Blankets

AAS9744  AAS Darvall Cozy™ Filter Replacement Kit
AAS9707  AAS Darvall Cozy™ Heater Hose Cover (New Style)
AAS9702  AAS Darvall Cozy™ Heater Hose (3-Pin Connector V1.0)
AAS9979  AAS Darvall Cozy™ Heater Hose (4-Pin Connector V1.1)
AAS1959  Darvall Two Kennel Y Adaptor (Requires 2x AA99842 - Not Included)
AAS9701  AAS Darvall Cozy™ KDA Extension Hose 1.5m
AAS8130  AAS Darvall Cozy™ KDA Extension Hose 25cm
AAS8577  AAS Darvall Cozy™ KDA Universal Heater Hose Adapter
AAS9737  AAS Darvall Cozy™ Elbow Adapter (3-Pin Connector V1.0)
AAS9981  AAS Darvall Cozy™ Elbow Adapter (4-Pin Connector V1.1)
AAS9742  AAS Darvall Warm Air Heater Hose Clamp (New Style)
Darvall Heated Anaesthetic Starter Kit and Accessories

AAS9855  Heated Circuits Starter Kit Complete With Lack Adapter
AAS8347  Heated Smooth-Wall Breathing Circuit 12mm Cats and Small Dogs 2-20kg
AAS8348  Heated Smooth-Wall Breathing Circuit 16mm For Dogs 30-80kg
AAS8617  Heat Controller Temperature Probe Outside Diameter 2.5mm for Exotics and Birds
AAS8618  Heat Controller Temperature Probe Outside Diameter 3.6mm For Cats, Dogs and Rabbits
AAS8615  Heated Circuit Connection Cable (Spare Part)

Darvall Express Monitor

Rugged monitor designed to automatically commence operation by simply pushing the power button and connecting two sensors. Comes complete with Nellcor SpO2, Suntech NIBP hose temperature probe and DOC-10 extension cable.

Features:
- NellcorTM pulse oximetry
- Darvall minimal dead space capnography
- Darvall body temperature probe
- Suntech veterinary non-invasive blood pressure (NIBP)
- Single one touch quick set button
- Default system set-up for cats and small dogs
- Darvall’s innovative conforming NIBP cuffs covering seven sizes, for all small animals
- Easy to see colour-coded display
- Red – Heart rate and O2. Blue – blood pressure. Green – body temperature
- Long battery life

AAS9624  Darvall Express Monitor
AAS9969  Pole Mount Bracket for Darvall Express

Replacement parts for Darvall Express:

AAS9857  NIBP Hose 3.5m Long for Darvall Express
AAS9204  Oesophageal/Rectal Temp Probe for Darvall Express
AAS8811  Nellcor Extension Cable DOC-10 for Darvall Express
AAS10016  1GB Storage Card for IRIS use for Darvall Express

Darvall Capnograph

The Darvall Capnograph continuously measures the EtCO2 and respiratory rate, and features EtCO2 waveform Cardiac Oscillation artifact detection for correct respiratory rate determination. It is a reliable and accurate way of monitoring depth of anaesthesia. Only suitable for Darvall Express.

Features:
- Rugged, low-cost sensor
- Fast, sensitive sensor, for better performance in small animals
- Mainstream capnography avoids waste gasses
- Ideal for low-flow low-emission environmentally friendly anaesthesia
- Waveform Cardiac Oscillation artifact detection for correct respiratory rate determination

AAS9627  Mainstream ETCO2 Sensor for Darvall Express
AAS2120  Paediatric Mainstream Airway Adapter - (Purple)
AAS2121  Adult Mainstream Airway Adapter - (Clear)

Sidestream is also available and only suitable for Darvall Express

AAS9965  Sidestream ETCO2 Sensor for Darvall Express
AAS10112  Sampling Line for Sidestream CO2

Darvall Veterinary Blood Pressure Cuffs

NIBP small animal cuffs are designed for accurate pressure detection in exotics, cats and all sizes of dog. The wide Velcro tabs provide secure conformation to the limb, with resilient but tactile silicon for reliable accurate signal transduction and validated pressure detection, including in conscious animals. Seven sizes for all small animals.

AAS9890  Darvall NIBP Cuff Size 0. Limb Circumference 3.5cm - 6.5cm
AAS9891  Darvall NIBP Cuff Size 1. Limb Circumference 5cm - 7.5cm
AAS9892  Darvall NIBP Cuff Size 2. Limb Circumference 6cm - 8.5cm
AAS9893  Darvall NIBP Cuff Size 3. Limb Circumference 7cm - 10cm (Cat Size)
AAS9894  Darvall NIBP Cuff Size 4. Limb Circumference 8.5cm - 11cm
AAS9895  Darvall NIBP Cuff Size 5. Limb Circumference 10cm - 14cm
AAS9896  Darvall NIBP Cuff Size 6. Limb Circumference 12cm - 16cm
AAS9897  Darvall NIBP Cuff Size 7. Limb Circumference 14cm - 22cm
AAS9898  Darvall NIBP Cuff Size 8. Limb Circumference 18cm - 27cm
AAS10042  Darvall NIBP Cuff Size 9. Limb Circumference 20cm - 29cm
AAS10043  Darvall NIBP Cuff Size 10. Limb Circumference 22cm - 37cm
AAS9899  Darvall NIBP Cuff Size 11. Limb Circumference 25cm - 42cm
AAS10012  Darvall NIBP Vet-Cuff Range Circumference Measuring Strip

Replacement parts for Darvall H100N and Darvall Express:

AAS9897  NIBP Adapter Hose Bayonet to Luer for Darvall Cuffs
AAS8062  Darvall O2-SAT Nellcor Vet Sensor for H100N and Darvall Express Monitor
AAS8208  Darvall Nellcor Sensor Clip for Small Animal
Darvall H100N Pulse Oximeter and Temperature Monitor

Convenient and reliable handheld pulse oximetry and temperature monitor, embedded with world leading Nellcor OxiMaxTM pulse oximetry technology.

Features:
- Nellcor OxiMaxTM pulse detection
- Temperature channel for rapid check
- LCD display with backlight control
- Automatic power-off function for power saving
- Comes complete with SpO₂ sensor, temperature sensor and protective rubber boot.

AAS5391 Darvall H100N Pulse Oximeter and Temperature Monitor

The monitor can be used with either 4 x AA batteries for up to 48 hours of work or a rechargeable battery for up to 30 hours of work.

AAS8049 Charger Dock and 1 x Ni-MH Battery for H100N Pulse Oximeter
AAS8175 Ni-MH Battery for H100N Pulse Oximeter

Replacement parts for Darvall H100N Pulse Oximeter and Temperature Monitor

AAS7870 Rectal/Oral Temperature Probe for H100N Pulse Oximeter

Loan Kits

For a nominal fee, we 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.

To find out more, scan the QR code below.
**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.
- Suction is controllable and there is a vacuum indicator.
- CE marked for peace of mind and quality.

The suction machine is ready for the attachment of tubes and tips.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>185000</td>
<td>ASKIR 30 Suction Device</td>
</tr>
<tr>
<td>185003</td>
<td>Filter Only</td>
</tr>
<tr>
<td>185004</td>
<td>Spare Suction Bottle and Lid</td>
</tr>
<tr>
<td>185005</td>
<td>Spare Lid for Suction Bottle</td>
</tr>
</tbody>
</table>

**Suction Tips**

We stock the four most useful styles of tip. Each 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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1854327</td>
<td>Yankauer Suction Tip</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1854330</td>
<td>Poole Suction Tip</td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852121</td>
<td>Adson Suction Tip 4.0mm</td>
</tr>
</tbody>
</table>

**Frazier 2.6mm**

As the Adson but finer still.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1854328</td>
<td>Frazier Suction Tip 2.6mm</td>
</tr>
</tbody>
</table>
Electrosurgery

GIMA BiPolar Electrosurgery Unit
120 Watt

HF 122 is a high frequency electrosurgery unit suitable for microcoagulation, small and medium Monopolar surgery and BiPolar coagulation.

The following Monopolar modes of operation are available via the control panel: pure cutting (Cut), coagulated cutting (Coag), Monopolar coagulation and microcoagulation (Blend). Additionally with BiPolar forceps, bipolar coagulation and microcoagulation are available.

Kit Includes:
• Two button Monopolar handle (autoclavable)
• Two button Monopolar handle (disposable)
• BiPolar cable and forceps
• Foot control
• Flat neutral plate
• 6 short Monopolar electrodes, as pictured below.

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, and in more moist situations such as mucous membranes.

Modes of operation are pure cut, coagulated cut, forced coagulation, soft coagulation, and 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 and interrupts the HF emission for cut and 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.

BiPolar Dissecting Forceps

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF122</td>
<td>120 Watt Monopolar/ BiPolar Electrosurgery Unit</td>
</tr>
<tr>
<td>HF30547</td>
<td>Spare Monopolar Handle Screw Grip For HF122</td>
</tr>
<tr>
<td>HF123</td>
<td>1mm Bipolar Dissecting Forceps 180mm Str F/HF122</td>
</tr>
<tr>
<td>HF124</td>
<td>Spare Bipolar Cable For HF122 (A Type)</td>
</tr>
<tr>
<td>HF30568</td>
<td>Spare Foot Pedal For HF122</td>
</tr>
<tr>
<td>HF190-100</td>
<td>Bipolar Forceps Adson 1mm Tip</td>
</tr>
<tr>
<td>HF120-100</td>
<td>Bipolar Forceps Straight 0.5mm Tip 150mm Long</td>
</tr>
<tr>
<td>HF122-100</td>
<td>Bipolar Forceps Straight/Angled 0.5mm Tip 150mm Long</td>
</tr>
<tr>
<td>HF132-100</td>
<td>Bipolar Forceps Straight/Angled 1mm Tip 180mm Long</td>
</tr>
</tbody>
</table>
BiPolar Cable Generator Terminations

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 and model number of your electrosurgery unit and call or e-mail us.

Our bipolar cables and forceps all have an EU fitting square end.

- HF124: Spare Bipolar Cable A Type EU Fitting Forcep Connector
- HF530: Spare Bipolar Cable D Type EU Fitting Forcep Connector
- HF30642: Bipolar Cable Adaptor

Cautery Units

Portable Cordless Cautery Kit

This handy Set comprises a handpiece using two AA batteries (included) and four interchangeable and 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

Monopolar Spares and Accessories

- HF1: Electrode
- HF2: Electrode
- HF3: Electrode
- HF4: Electrode
- HF5: Electrode
- HF6: Electrode
- HF7: Electrode
- HF8: Electrode
- HF9: Electrode
- HF10: Electrode
- HF11: Needle Electrode For Diathermy 70mm x 2.4
- HF1-10: Electrodes Mixed Set of 10
- HF12: 7cm Blade - Autoclavable
- HF30537: Scratch Pad (Supplied Sterile) Pack of 10
- HF30547: Spare Monopolar Handle Screw/Grip For HF122
- HF30563: Spare Cable For Gima Plate
- HF126: Spare Metal Plate For HF122 and HF106
Dressing and 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 and promoting more even weight distribution
• Use of perforated top-sole material and cut-out design allow the paw to breathe and keeps the injured site free from moisture build-up
• Rubberized, non-skid base and toe-cap are waterproof, protect the site from further injury, and 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, and is ready for immediate reapplication
• Front opening and 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

Medipaw® Protective Boot

A professional waterproof but breathable cover for dressings and casts. Available in colour coded sizes, they have a durable non-skid base, and elasticised straps with Velcro closures as well as an upper cord lock.

Hard Sole Medipaw

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200015</td>
<td>Medipaw Boot Hard Sole Extra Small Wide (XSW)</td>
</tr>
<tr>
<td>200020</td>
<td>Medipaw Boot Hard Sole Extra Small - Yellow</td>
</tr>
<tr>
<td>200031</td>
<td>Medipaw Boot Hard Sole Extra Small #2 - Pink</td>
</tr>
<tr>
<td>200025</td>
<td>Medipaw Boot Hard Sole Small - Blue</td>
</tr>
<tr>
<td>200030</td>
<td>Medipaw Boot Hard Sole Medium - Red</td>
</tr>
<tr>
<td>200035</td>
<td>Medipaw Boot Hard Sole Large - Green</td>
</tr>
<tr>
<td>200037</td>
<td>Medipaw Boot Hard Sole Large Wide - Grey</td>
</tr>
<tr>
<td>200040</td>
<td>Medipaw Boot Hard Sole Extra Large - Purple</td>
</tr>
<tr>
<td>200091SET</td>
<td>Medipaw Boot Hard Sole Set of 5 - XS, S, M, L, XSW</td>
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</tbody>
</table>

Soft Sole Medipaw

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>200097</td>
<td>Medipaw Boot Soft Sole Extra Small Wide (XSW)</td>
</tr>
<tr>
<td>200093</td>
<td>Medipaw Boot Soft Sole Extra Small - Yellow</td>
</tr>
<tr>
<td>200092</td>
<td>Medipaw Boot Soft Sole Extra Small #2 - Pink</td>
</tr>
<tr>
<td>200094</td>
<td>Medipaw Boot Soft Sole Small - Blue</td>
</tr>
<tr>
<td>200095</td>
<td>Medipaw Boot Soft Sole Medium - Red</td>
</tr>
<tr>
<td>200096</td>
<td>Medipaw Boot Soft Sole Large - Green</td>
</tr>
<tr>
<td>200099</td>
<td>Medipaw Boot Soft Sole Large Wide - Grey</td>
</tr>
<tr>
<td>200098</td>
<td>Medipaw Boot Soft Sole Extra Large - Purple</td>
</tr>
<tr>
<td>200090SET</td>
<td>Medipaw Boot Soft Sole Set of 5 - XS, S, M, L, XSW</td>
</tr>
</tbody>
</table>

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)
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 and cats. The suit is a 2 piece design, which makes fitting and 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, and internal pockets in both top and 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 and logo indicate size, for easy recognition and re-ordering.

Medipaw Protective Suit For Dogs and Cats

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

Indicated for dog and cat open-wound treatment:
- Burns
- Degloving
- Excessive licking and 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

Medipaw® Slim Boot

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 Slim Boot

SUITEPSS-XXS Two Piece Suit XXS Pink
SUITEPSS-XS Two Piece Suit XS Yellow
SUITEPSS-S Two Piece Suit S Blue
SUITEPSS-S+ Two Piece Suit S+ Orange
SUITEPSS-M Two Piece Suit M Red
SUITEPSS-L Two Piece Suit L Green
SUITEPSS-XL Two Piece Suit XL Purple
SUITEPSS-S-CAT Two Piece Suit S Cat Blue
SUITEPSS-M-CAT Two Piece Suit M Cat Red
SUITEPSS-L-CAT Two Piece Suit L Cat Green
SUITEPSET1 5 Protective Suits Cat M, Dog XXS, S, M, L and Free Display Dog
Carpo-Flex Range
Carpo-Flex are a range of supports designed to stabilise the carpus.

**Carpo-Flex Sports Wrap (Light Support)**
- 200011L: Carpo Flex Sports Wrap XS Left Green
- 200011R: Carpo Flex Sports Wrap Green XS Right
- 200012L: Carpo Flex Sports Wrap S Left Red
- 200012R: Carpo Flex Sports Wrap Red S Right
- 200013L: Carpo Flex Sports Wrap M Left Blue
- 200013R: Carpo Flex Sports Wrap Blue M Right
- 200014L: Carpo Flex Sports Wrap L Left Back
- 200014R: Carpo Flex Sports Wrap L Black Right

**Carpo-Flex X (Moderate Support)**
- 200070L: Carpo Flex X Wrap XS Left
- 200070R: Carpo Flex X Wrap XS Right
- 200071L: Carpo Flex X Wrap S Left
- 200071R: Carpo Flex X Wrap S Right
- 200072L: Carpo Flex X Wrap M Left
- 200072R: Carpo Flex X Wrap M Right
- 200073L: Carpo Flex X Wrap L Left
- 200073R: Carpo Flex X Wrap L Right

**Carpo-Flex Splint Kit (Strong Support)**
- 200060L: Carpo Flex Splint Kit XS Left
- 200060R: Carpo Flex Splint Kit XS Right
- 200061L: Carpo Flex Splint Kit S Left
- 200061R: Carpo Flex Splint Kit S Right
- 200062L: Carpo Flex Splint Kit M Left
- 200062R: Carpo Flex Splint Kit M Right
- 200063L: Carpo Flex Splint Kit L Left
- 200063R: Carpo Flex Splint Kit L Right
- 200064L: Carpo Flex Splint Kit Extra Large - Left
- 200064R: Carpo Flex Splint Kit Extra Large - Right

**Forelimb Dorsi-Flex Assist**
Forelimb Dorsi-Flex Assist is used to aid the normal placement of the fore limb and support the carpus. Limited stock available.
- 200026R: Forelimb Dorsi Flex Assist T/D S/M Right
- 200027R: Forelimb Dorsi Flex Assist T/E M Right
- 200027L: Forelimb Dorsi Flex Assist T/E M Left
- 200028R: Forelimb Dorsi Flex Assist T/F M/L Right
- 200028L: Forelimb Dorsi Flex Assist T/E M/L Left
- 200029R: Forelimb Dorsi Flex Assist T/G L Right
- 200029L: Forelimb Dorsi Flex Assist T/G L Left

**Tarso-Flex X**
Tarso-Flex X offers moderate tarsal support.
- 200010XSL: Tarso Flex X - XS Left
- 200010XSR: Tarso Flex X - XS Right
- 2000105SR: Tarso Flex X - Small Right
- 2000105SL: Tarso Flex X - Small Left
- 2000105MR: Tarso Flex X - Medium Right
- 2000105ML: Tarso Flex X - Medium Left
- 2000105LR: Tarso Flex X - Large Right
- 2000105LL: Tarso Flex X - Large Left
- 200010XL: Tarso Flex X - XL Left
- 200010XLR: Tarso Flex X - XL Right

**Dorsi-Flex Assist**
Dorsi-Flex Assist is used to aid the normal placement of the hind limb.
- 200018: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro Tiny
- 200019: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro TC XXS
- 200021: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro TD XS
- 200022: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro TE S
- 200023: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro TF M
- 200024: Dorsi Flex Assist Therapaw Tibial Wrap and Velcro TG L

**Disposable Drapes**
- ID6650: Ioban Drape 560x450mm - Single
- 44040: Drapes, Incise, 40x40cm Iodine ADH 34x40cm - Single
- 44040/10: Drapes, Incise, 40x40cm Iodine ADH 34x40cm Pack of 10
- 42020: Drape, Incise, 20x20cm Iodine ADH 15x20cm - Pack of 20
- 42020/10: Drape, Incise, 20x20cm Iodine ADH 15x20cm - Pack of 10

**Training and Education**
Our new e-learning platform delivers a variety of technical and clinical educational material, in an engaging and interactive format.

And with a CPD certificate awarded upon successful completion of each module, the e-learning platform from Vi will help you to fulfil your annual CPD requirements.

Sign up today by scanning the QR code below.
To view the Instrument Care & Maintenance section of our website, please scan the QR code.
Instrument Cleaning Agents

Rapidex Cleaner

An effective general surgical instrument cleaner. The soluble sachets are simply dropped into the ultrasonic bath.

RAPIDEX Rapidex Soluble Sachets Box of 50
RAPIDEXBULK Rapidex Bulk Powder 2.25kg

Rapizyme

Easy to use measured bottle. 2ml per litre dilution.
Removes all organic material. Ideal for endoscopes & low foam for ultrasonics. Completely rinsable & biodegradable.

RAPIZYME Rapizyme 1 Litre

Perasafe

Perasafe is a chemical sterilant, supplied as a pale blue/white powder, which is activated by dissolving in luke-warm tap water.
The prepared solution sterilises instruments in ten minutes and lasts for 24 hours.
Suitable for all surgical instruments and fibrescopes.

100100 Perasafe Cold Sterilant 24 x 81g (5 Litre Size)
100101 Perasafe Cold Sterilant 6 x 81g (5 Litre Size)
100003 Instrument Oil - Autoclavable

Instrument Cleaning Brushes & Pipecleaners

This layer can be damaged by the use of brushes not designed for the purpose of cleaning surgical instruments, resulting in abrasions, surface marking and staining.
Instrument cleaning brushes are available with nylon & stainless bristles.

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 Instruments
CBPIPE Pipe Cleaners 1/8” 12” Long (Pack of 100)

Cylindrical Sharpening Stone

To work effectively, both scalers & elevators need to be sharp. Regular sharpening will keep your instruments working correctly.

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 indestructable compared with stones which break very easily & uses water rather than oil as a lubricant.

012148 Diamond Cone 205mm
Instrument Marking Tape

Instrument marking tape is designed to help identify and organise instruments as they move between theatre and re-processing.

Available as a pack of 8 or in individual rolls.

- **100001** Instrument Marking Tape (Box 8 Colours) (1200mm)
- **100001Y** Instrument Marking Tape Single Yellow (3000mm)
- **100001R** Instrument Marking Tape Single Red (3000mm)
- **100001BR** Instrument Marking Tape Single Brown (3000mm)
- **100001OR** Instrument Marking Tape Single Orange (3000mm)
- **100001BLU** Instrument Marking Tape Single Blue (3000mm)
- **100001G** Instrument Marking Tape Single Green (3000mm)
- **100001W** Instrument Marking Tape Single White (3000mm)
- **100001GRY** Instrument Marking Tape Single Grey (3000mm)
- **100001P** Instrument Marking Tape Single Purple (3000mm)

Protective Autoclavable Tips

Autoclavable protective tips for pins and delicate or sharp instruments

- **100011-W** Protective Tip White Up To 1.6-2mm Diameter Pack 20
- **100011-BL** Protective Tip Blue 2.5-3mm Diameter Pack 20
- **100011-G** Protective Tip Green Up To 3.2-4mm Diameter Pack 20
- **100011-R** Protective Tip Red Up To 4.8mm Diameter Pack 20
- **100011-Y** Protective Tip Yellow Up To 6.0-6.5mm Diameter Pack 20
- **100011-OR** Protective Tip Flat Orange Up To 10mm Wide Pack 20
- **100011-BR** Protective Tip Flat Brown Up To 16mm Diameter Pack 20
- **100011-BLKB** Protective Tip Flat Black Up To 25mm Diameter Pack 20
- **100020** Protective Tips Silicone Multi Pack One Pack of Each Colour 160 (8x20)

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 filters which allow steam penetration but not microorganisms. The clip on lid incorporates a silicone seal which is impervious to microorganisms.

- **BX301410P** Box External 300mm x 140mm x 100mm
- **BX301470P** Box External 300mm x 140mm x 70mm
- **BX301440P** Box External 300mm x 140mm x 40mm
- **BXPFILTER** Replacement Paper Filters with Indicators (x100)
- **BXPIND** Paper Labels With Indicators (x100)
- **JK091** 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.

- BX201040: Box 200mm x 100mm x 40mm
- BX221250: Box 220mm x 120mm x 50mm
- BX221550: Box 220mm x 150mm x 50mm
- BX281450: Box 280mm x 140mm x 50mm
- 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

BX201040NF: Box 200mm x 100mm x 40mm No Filter
BX221250NF: Box 220mm x 120mm x 50mm No Filter
BX281410NF: Box 280mm x 140mm x 100mm No Filter

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.

- BXSL201040: Silicone Insert for Box 200 x 100mm
- BXSL2540: Silicone Insert for Box 250 x 150mm
- BXSL2212: Silicone Insert for Box 220 x 120mm
- BXSL2215: Silicone Insert for Box 220 x 150mm
- BXSL2814: Silicone Insert for Box 280 x 140mm
- BXSL3416: Silicone Insert for Box 340 x 160mm
- BXSL4020: Silicone Insert for Box 400 x 200mm

Disposable Padlocks With Indicator

Anti-tamper security padlock with steam sterilisation indicator spot. Single use only. Padlock has to be broken to be removed.

- PSL20: Security Padlocks With Sterilisation Indicator (x20)
- PSL100: Security Padlocks With Sterilisation Indicator (x100)

Disposable Padlocks - No Indicator

Anti-tamper security padlock. Useful for marking instrument boxes. Single use only. Padlock has to be broken to be removed.

- PSS100: Disposable Security Padlocks No Indicator (x100)

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.

- PSTR10: Disposable Padlocks - Instrument Repair (x10)
Plate Profiles

To access the digital plate profiles featured in this chapter, please email info@vetinst.com
# 1.5mm Compression Plates

<table>
<thead>
<tr>
<th>Plate Code</th>
<th>Description</th>
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# 2.0mm Mini Plates

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# 2.0mm Compression Plates

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# 2.0mm Round Hole Plates

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# 2.0mm Biological Healing Plates

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# 2.0mm ASYM® Plates

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# 2.4mm ASYM® Plates

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**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.**
2.4mm Compression Plates

C240859
C240966
C241073
C241180
C241287
C2414101
C2416115

2.4mm ASYM® Plates

ASYM240304052
ASYM240305059
ASYM240306066
ASYM240307073
ASYM240406073
ASYM240308080
ASYM240407080
ASYM240309087
ASYM240408087
ASYM240310094
ASYM240311101
ASYM240410101

2.4mm Limited Contact Compression Plates

LC2407062 LC2408070
LC2406054 LC2409078
LC2405046 LC2410086
LC2404038 LC2411094
LC2412102
2.7mm Compression Plates

2.7mm ASYM® Plates
2.7mm Round Hole Plates

- PR270851
- PR270848
- PR270745
- PR270742
- PR270639
- PR270636

2.7mm Heavy Duty Round Hole Plates

- HPR270962
- HPR270956
- HPR270856
- HPR270850
- HPR270750
- HPR270744

2.7mm Biological Healing Plates

- BHP2706063
- BHP2707067
- BHP2707073
- BHP2708075
- BHP2707079
- BHP2708081
- BHP2708085
2.7mm Limited Contact Compression Plates

3.5mm Compression Plates
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**Material Hardness:**

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**Label Description:**

VETERINARY INSTRUMENTATION

**Projection:**

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**Weight:**

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<th>31-&lt;90mm</th>
<th>90-&lt;150mm</th>
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<tbody>
<tr>
<td>± 1°</td>
<td>± 0.1mm</td>
<td>± 0.2mm</td>
<td>± 0.3mm</td>
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</tbody>
</table>

**General Tolerances:**

| ± 1°             | ± 0.1mm         | ± 0.2mm         | ± 0.3mm         | ± 0.5mm         |

**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**
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
2.7

3.5mm Biological Healing Plates

BHP3507120
BHP3507130
BHP3508130
BHP3507142
BHP3508142
BHP3508154

3.5mm Broad Biological Healing Plates

BHPB3508130
BHPB3507142
BHPB3508142
BHPB3508154

3.5mm LC plates also available in 14 and 16 hole. 3.5mm broad LC plates are available in 7, 8, 9 & 12 hole with the same hole spacing.

3.5mm Limited Contact Compression Plates

LC3504056
LC3505069
LC3506082
LC3507095
LC3508108
LC3509121
LC3510134
LC3512160
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

Narrow 4.5mm Compression Plates

Also available

C4518296, 18 holes, 296mm long

Broad 4.5mm Compression Plates

also available

B4517279, 17 holes, 279mm long
B4518295, 18 holes, 295mm long
4.5mm Biological Healing Plates

- BHP4508176
- BHP4508150
- BHP4507164
- BHP4507151
- BHP4507138
1.5mm T-Plates

T151520  T151525  T1515626  T1515731  T1515836  T1515940  T152034 (1.5/2.0 hybrid)

2.0mm T-Plates

T202025  T202027  T202032  T202042  T202050  T2020636  T2020742  T2020750

TC204018  TC205024  OR204018  OL204018

2.0/2.4/2.7mm Hybrid T-Plates

T20242736  T20242744  T20242752  T20242771
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
2.7mm T-Plates

TC270639
TR270532
TL270532
OR270532

3.5mm T-Plates

2.7/3.5mm Hybrid T-Plates

TC350777
TC350877

Hybrid Anatomical T-Plates

T273585
T273562

T2027755 (2.0/2.7mm)
T2027758 (2.0/2.7mm)
T273572 (2.7/3.5mm)
T273576 (2.7/3.5mm)
T3545795 (3.5/4.5mm)
T3545799 (3.5/4.5mm)
2.0mm Stacked Hole Locking Plates

- LPSH201485
- LPSH201379
- LPSH201273
- LPSH201167
- LPSH201061
- LPSH200955

Cuttable Malleable Locking Plates

- CM20LOCK
- CM24LOCK
- CM27LOCK
- CM35LOCK

2.4mm Stacked Locking Hole Plates

- LPSH241180
- LPSH241394
- LPSH241287
- LPSH241073
- LPSH240966
- LPSH240859
- LPSH241401
- LPSH240752
- LPSH2415108
- LPSH240645
- LPSH2416115
- LPSH240538
- LPSH2417122
- LPSH240431
- LPSH2418129
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

2.7mm Stacked Locking Hole Plates

Please refer to the diagram for the actual plate profiles and details.
3.5mm Stacked Locking Hole Plates
<table>
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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.
2.4mm Dynamic Locking Plates

DLP2418164K

DLP2417155K

DLP2416146K

DLP2415137K

DLP2414128K

DLP2413119K or ...N

DLP2412110K

DLP2411101K or ...N

DLP2410092K or ...N

DLP2409083K or ...N

DLP2408074K or ...N

DLP2407065K or ...N

DLP24xxxxxK = 2mm thick
DLP24xxxxxN = 1.7mm thick
3.5mm Dynamic Locking Plates
Butterfly Plates

1.5mm
BTFP15414

2.0mm
BTFP20623

2.7mm
BTFP27425

TPO Plates

090179

090167

Acetabular Plates

AP200400xs (2.0)

AP2004001L (2.0)

AP240406 (2.4)

AP200401 (2.0)

AP270602 (2.7)

AP350604 (3.5)

Contoured in 3 Dimensions

Reconstruction Plates

2.7mm
RC270756, RC270972, RC271188. Also available but not shown. RC3509106,

RC271296

RC271080

RC270864

RC270648

RC270540

RC350558

RC350782

RC350894

RC3512142

3.5mm
Cuttable Plate Range

1.5mm
- CPI5413030
- CPI5413030B
- CPI5413027
- CPI5413027B

2.0mm
- CP205150
- CP205150B
- CP20515027
- CP20515027B

2.4mm
- CP2455150
- CP2455150B
- CP245515024

2.7mm
- CP276150
- CP276150B
- CP27615022
- CP27615022B

3.5mm
- CP3575150
- CP3575150B
- CP3575150B

1.5mm
- CM15413030

2.0mm
- CM205150

2.4mm
- CM2455150

2.7mm
- CM276150

3.5mm
- CM3575150

2.0mm
- DCCP206150
- DCCP206150B

2.4mm
- DCCP247150

2.7mm
- DCCP278150

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.
1.0mm Series

Intertarsal Arthrodesis

152925 (2.7/3.5)
152921 (2.7/3.5)
152922 (2.7/2.7)
152920 (2.0/2.7)
152920SC (2.0/2.7)
152923 (2.0/2.0)
152924 (1.5/2.0)

Elbow Arthrodesis

Locking version also available.

152950 (2.7/3.5) RIGHT
152951 (2.7/3.5) LEFT
Medial pantarsal arthrodesis plates are also available without the T4 slot. For these, drop T4 from the code.
Combi T-Plates

T202040COMBI  T2020743COMBI  T2020850COMBI
T202033COMBI  T151532COMBI  T1515735COMBI

Combi Canine Pantarsal Plates

152914-T4COMBI  152913-T4COMBI
Locking Pancarpal Arthrodesis Plates

PCALK1520
PCALK1520L
PCALK2024
PCALK2024L
PCALK2027
PCALK2027L
PCALK2735
PCALK2735L
Locking versions of select pancarpal arthrodesis plates are available.

Pancarpal Arthrodesis Plates

Partial Carpal Arthrodesis Plates

Feline Forelimb Salvage Plate

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.
152980 (3.5 locking/2.7/3.5/4.5)  NOTE: Scale 1:2

152903XXL (2.7/3.5)  NOTE: Scale 1:2

**Longer Plates**

152913-T4XL (Left)  
152914-T4XL  
(Right) 2.7/3.5mm  
NOTE: Scale:1:2

152917-T4XL (Left)  
152918-T4XL  
(Right) 2.0/2.7mm  
NOTE: Scale 1:1

152711L-XL (Left)  
152711R-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
- 15216 (right), 152615 (left), 3.5mm
- 152717 (right), 152715 (left), 3.5mm broad
- 152620 (right), 152625 (left), 3.5mm broad
- 152610 (right), 152615 (left), 3.5mm
- 152714 (right)
- 152712 (left)
- 2.7mm
- 152700 (right), 152710 (left)
- 2.0mm
- 152701 (right), 152709 (left)
- 2.0mm
- 152700XL (right), 152710XL, 2.0mm
- 152600 (right), 152605 (left)
- 2.4mm
- 152608 (right), 152609 (left)
- 2.0mm
- 152606 (right), 152607 (left)
- 2.4mm
- 152612 (right), 152613 (left)
- 2.0mm
- 152610 (right), 152615 (left), 3.5mm
- 152710 (right), 152710 (left)
- 2.0mm
- 152711R (right) 152711L (left)
- 2.4mm
Cloverleaf TTO/TPLO Plates

- TPLO202026 (2.0)
- TPLO202031 (2.0)
- TPLO242434 (2.4)
- TPLO242441 (2.4)
- TPLO272739 (2.7)
- TPLO273539 (2.7/3.5)
- TPLO272745 (2.7)
- TPLO272739 (2.7)
- TPLO273545 (2.7/3.5)
- TPLO202031 (2.0)
- TPLO242434 (2.4)
- TPLO242441 (2.4)
- TPLO272739 (2.7)
- TPLO273539 (2.7/3.5)
- TPLO272745 (2.7)
- TPLO272739 (2.7)
- TPLO273545 (2.7/3.5)

Locking also available

- TPLO353555 (3.5)
- TPLO353557 (3.5 broad)
- TPLO353559 (3.5)
- TPLO353562 (3.5)
- TPLO353565 (3.5)
- TPLO353577 (3.5)
- TPLO353577X (3.5)
- TPLO353579 (3.5 broad)
- TPLO354579 (3.5 broad/4.5)
- TPLO354565 (3.5/4.5/6.5)
- TPLO45659030/35/45 (4.5/6.5)

3mm, 3.5mm & 4.5mm thick

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
Slocum Style TPLO Plates

Locking TPLO Plates

Replace the final R with L for left sided plates.
ViLTPO35SL3
plate profile

ViLTPO35SR3
plate profile

ViLTPO35BR4
plate profile

ViLTPO15L3
plate profile

ViLTPO15R3
plate profile

ViLTPO20L3
plate profile

ViLTPO20R3
plate profile

ViLTPO24L3
plate profile

ViLTPO24R3
plate profile

ViLTPO27L3
plate profile

ViLTPO27R3
plate profile

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
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