HAND & FOOT
SURGERY INSTRUMENTATION

- Soft Tissue Instruments
- Bone Instruments
- Tendon Instruments
- Small Joint Arthroscopy Instruments
- Micro Instruments

J J
International Instruments
Designers & Manufacturers of Surgical Instruments
JJ International Instruments is engaged in Designing, Manufacturing and Distribution of 100% pure quality Stainless Steel surgical instruments for all department of surgery in the Sultanate of Oman.

JJ International Instruments is a rare union of highly skilled surgical craftsmen, guaranteed raw material and modern technology that results in high quality surgical instruments.

We take great pride in the extensive range of over 15,000 quality instruments that we offer in a multitude of disciplines.

Our dedicated R&D department has acclaimed many golden feathers in their hat by modifying, designing and manufacturing complex instruments according to surgeon’s requirements.

Even more importantly, we have a very significant policy of effective ‘service after sales’ to the satisfaction of our entire clients.
# INDEX

## SOFT TISSUE INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy-Cut Scissors</td>
<td>1 &amp; 4</td>
</tr>
<tr>
<td>Dissecting Forceps</td>
<td>5 &amp; 6</td>
</tr>
<tr>
<td>Needle Holders</td>
<td>7 &amp; 8</td>
</tr>
<tr>
<td>Skin Hooks</td>
<td>9</td>
</tr>
<tr>
<td>Hand Held Retractors</td>
<td>10</td>
</tr>
<tr>
<td>Self Retaining Retractors</td>
<td>11</td>
</tr>
<tr>
<td>Tuppers Hand Retractor</td>
<td>12</td>
</tr>
<tr>
<td>Artery Forceps</td>
<td>13</td>
</tr>
<tr>
<td>Scalpel Handles &amp; Marking Pens</td>
<td>14</td>
</tr>
</tbody>
</table>

## BONE INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bone Nibblers</td>
<td>15 &amp; 16</td>
</tr>
<tr>
<td>Bone Cutters</td>
<td>17</td>
</tr>
<tr>
<td>Mallets</td>
<td>18</td>
</tr>
<tr>
<td>Osteotomes &amp; Gouges</td>
<td>19 &amp; 20</td>
</tr>
<tr>
<td>Bone Elevators</td>
<td>21 &amp; 22</td>
</tr>
<tr>
<td>Bone Curettes</td>
<td>23</td>
</tr>
<tr>
<td>Dissectors</td>
<td>24</td>
</tr>
<tr>
<td>Bone Holding Forceps</td>
<td>25</td>
</tr>
<tr>
<td>Bone Spreaders</td>
<td>26</td>
</tr>
<tr>
<td>Wiring Cutters, Pullers &amp; Pliers</td>
<td>27 &amp; 28</td>
</tr>
</tbody>
</table>

## TENDON INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tendon Interlacing Forceps &amp; Retriever</td>
<td>29 &amp; 30</td>
</tr>
<tr>
<td>Tendon Strippers</td>
<td>31</td>
</tr>
<tr>
<td>Meyer Tendon Trimming Set</td>
<td>32</td>
</tr>
<tr>
<td>Recommended Hand Instrument Set</td>
<td>33 &amp; 34</td>
</tr>
</tbody>
</table>

## SMALL JOINT ARTHROSCOPY INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arthroscopic Punch Forceps</td>
<td>35</td>
</tr>
<tr>
<td>Arthroscopic Hooks</td>
<td>36</td>
</tr>
<tr>
<td>Arthroscopic Telescopes</td>
<td>37 &amp; 38</td>
</tr>
</tbody>
</table>

## MICRO INSTRUMENTS

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro Vessel Dilators</td>
<td>39 &amp; 40</td>
</tr>
<tr>
<td>Micro Forceps</td>
<td>41 &amp; 42</td>
</tr>
<tr>
<td>Micro Scissors</td>
<td>43 &amp; 44</td>
</tr>
<tr>
<td>Micro Needle Holders</td>
<td>45</td>
</tr>
<tr>
<td>Acland Micro Vessel Clamps</td>
<td>46 &amp; 47</td>
</tr>
<tr>
<td>Recommended Micro Instrument Sets</td>
<td>48</td>
</tr>
<tr>
<td>Instrument Containers</td>
<td>49</td>
</tr>
<tr>
<td>Sterile Packed Kirschner Wires</td>
<td>50</td>
</tr>
<tr>
<td>Digiband Sterile Digital Tourniquet</td>
<td>51</td>
</tr>
</tbody>
</table>
SCISSORS

Iris Scissors
- 11.5cm/4½” straight
- Micro serrated cutting edge

HF7612-11

Iris Scissors
- 11.5cm/4½” curved
- Micro serrated cutting edge

HF7613-11

Strabismus Scissors
- 11.5cm/4½” straight
- Micro serrated cutting edge

HF7622-11

Strabismus Scissors
- 11.5cm/4½” curved
- Micro serrated cutting edge

HF7623-11
SCISSORS

Stevens Tenotomy Scissors
- 11.5cm/4½” curved
- Micro serrated cutting edge

HF7633-11

Stevens-Stille Pattern Tenotomy Scissors
- 12.5cm/5” curved
- Micro serrated cutting edge
- Larger oversized rings

HF7633-12

Jameson-Werber Scissors
- 13.5cm/5¼” curved
- Micro serrated cutting edge

HF7643-13

Jameson Scissors
- 15cm/6” curved
- Micro serrated cutting edge

HF7643-15

Jameson Scissors
- 15cm/6” curved
- Strong pattern
- Micro serrated cutting edge

HF7645-15
**SCISSORS**

**Slim Baby Metzenbaum Easy-Cut Scissors**
- 14cm/5½” curved
- Micro serrated cutting edge

**Slim Metzenbaum Easy-Cut Scissors**
- 18cm/7” curved
- Micro serrated cutting edge

**Baby Metzenbaum Easy-Cut Scissors**
- 14cm/5½” curved
- Micro serrated cutting edge

**Mclndoe / Metzenbaum Easy-Cut Scissors**
- 18cm/7” curved
- Micro serrated cutting edge
Mayo Easy-Cut Scissors
- 14cm/5½” straight
- Micro serrated cutting edge
HF7652-14

Mayo Easy-Cut Scissors
- 14cm/5½” curved
- Micro serrated cutting edge
HF7653-14

Mayo Easy-Cut Scissors
- 17cm/6¾” straight
- Micro serrated cutting edge
HF7652-17

Mayo Easy-Cut Scissors
- 17cm/6¾” curved
- Micro serrated cutting edge
HF7653-17
DISSECTING FORCEPS

Gillies Dissecting Forceps
- Toothed
- 15cm/6”

HF5160-15

McIndoes Dissecting Forceps
- Non toothed
- 15cm/6”

HF5170-15

Debakey-Diethrich Tissue Forceps
- 1.5mm tips
- 15cm/6”

HF2015-15

Debakey Tissue Forceps
- 2mm tips
- 15cm/6”

HF2120-15

Bipolar Forceps
- 1mm tips
- 11cm/4½”

70-02-41

Bipolar Forceps
- 1mm tips
- 16cm/6¼” length

70-01-51
## DISSECTING FORCEPS

### Adson Forceps
- Non toothed
- 12cm/4¾"
- HF5025-12

### Adson Forceps
- Toothed
- 12cm/4¾"
- HF5120-12

### Micro Adson Forceps
- Non toothed
- 12cm/4¾"
- HF5035-12

### Micro Adson Forceps
- Toothed
- 12cm/4¾"
- HF5130-12

### Adson Brown Forceps
- 7x7 teeth
- 12cm/4¾"
- HF5140-12

### Adson-DeBakey Forceps
- 2mm tips
- 12cm/4¾"
- HF5180-12
NEEDLE HOLDERS

Micron Fine Needle Holder
- 12.5cm/5"
- Diamond dusted jaws

Derf Needle Holder
- 12cm/4¾"
- Tungsten Carbide jaws

Halsey Needle Holder
- 13cm/5"
- Tungsten Carbide jaws

Crile Wood Needle Holder
- Tungsten Carbide jaws
NEEDLE HOLDERS

Nieverts Needle Holder (offset ring)
- 13cm/5¼"
- Tungsten Carbide jaws

Foster Gillies Combined Needle Holder/Scissors
- 13cm/5"
- Tungsten Carbide jaws

Gillies Combined Needle Holder/Scissors
- 16cm/6¼"
- Tungsten Carbide jaws
**SKIN HOOKS**

**Joseph Double Skin Hook**
- 16cm/6¼"
- HF5065-01

**Klienert-Kutz Skin Hook**
- 16cm/6¼"
- HF5055-01

**Kilner Detachable Skin Hook**
- 15cm/6"
- HF5075-01

**Gillies Skin Hook**
- 18cm/7"
- Small size HF5065-01
- Large size HA5065-02

**Blunt Nerve Hook**
- 16cm/6¼"
- HF5251-01

**Blunt Crile Nerve Hook**
- 14cm/5¾"
- HF5200-14

**Cushing Blunt Hook**
- 19cm/7½"
- 3mm tip
- HF9101-19
HAND HELD RETRACTORS

**Catspaw Retractors**
- 16cm/6¼"
- Semi-sharp prongs
- HF5252-03

**Senn-Miller Retractor**
- 16cm/6¼"
- Double ended
- HF5289-01 Sharp prongs
- HF5289-02 Blunt prongs

**Kilner-Miniature Pattern Catspaw Retractor**
- 15cm/6"
- Double ended
- HF5286-01

**Ragnell-Davies Retractor**
- 14cm/5½"
- Double ended
- HF5287-14

**Desmarres Saddle Retractor**
- 16cm/6¼"
- 12mm width
- HF5235-12

**Mini-Langenbeck Retractor**
- 16cm/6¼"
- HF5242-10 10 x 6mm*
- HF5242-17 17 x 5mm
- *illustrated

**Langenbeck Retractor**
- 21.5cm/8½"

<table>
<thead>
<tr>
<th>Blade Size</th>
<th>Depth x Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP5122-21</td>
<td>22mm x 6mm</td>
</tr>
<tr>
<td>SP5145-21</td>
<td>45mm x 13mm</td>
</tr>
<tr>
<td>SP5165-21</td>
<td>65mm x 25mm</td>
</tr>
</tbody>
</table>

---

*Small, Medium, Large*
<table>
<thead>
<tr>
<th>Instrument Name</th>
<th>Features</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alms Retractor</td>
<td>4 x 4 teeth blunt, 7cm/2¾”, 4mm depth prongs</td>
<td>HF5200-70</td>
</tr>
<tr>
<td>Baby Weitlaner S/R Retractor</td>
<td>2 x 3 blunt prongs, 11.5cm/4½”</td>
<td>HF5701-10</td>
</tr>
<tr>
<td>Wests S/R Retractor</td>
<td>3 x 4 sharp prongs, 14cm/5½”</td>
<td>HF4003-14</td>
</tr>
<tr>
<td>Weitlaner S/R Retractor</td>
<td>3 x 4 blunt prongs, 14cm/5½”</td>
<td>HF4002-14</td>
</tr>
<tr>
<td>Finsen Small Wound Retractor</td>
<td>3 x 4 Teeth Blunt, 7cm/2¾”</td>
<td>HF5705-10</td>
</tr>
<tr>
<td>Kaupp Wound Retractor</td>
<td>4 x 4 Teeth Blunt, 10cm/4”</td>
<td>HF5710-14</td>
</tr>
</tbody>
</table>
Tuppers Universal Hand Holder and Retractor Set enables the surgeon to fixate the hand in any position needed. The patient’s hand is held absolutely firm and allows unhindered work under the microscope. Ball chains of varying length with skin or tendon hooks fixate the hand and lower arm on the Hand Holder. Due to the slots around the Hand Holder, retraction in every direction is possible. Upward retraction is easily achieved with the elevated chain holders. The special container is designed for easy handling and safe storage.

Set consisting of the following instruments:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TH-101</td>
<td>Hand Table</td>
</tr>
<tr>
<td>2</td>
<td>TH-102</td>
<td>Elevated chain holders</td>
</tr>
<tr>
<td>2</td>
<td>TH-103</td>
<td>Chain holder hooks</td>
</tr>
<tr>
<td>2</td>
<td>TH-104</td>
<td>Ball chains 32cm, with skin-hooks</td>
</tr>
<tr>
<td>4</td>
<td>TH-105</td>
<td>Ball chains 21cm, with skin-hooks</td>
</tr>
<tr>
<td>2</td>
<td>TH-106</td>
<td>Ball chains 26cm, for arm and wrist fixation</td>
</tr>
<tr>
<td>4</td>
<td>TH-107</td>
<td>Tendon hooks 5.0mm wide</td>
</tr>
<tr>
<td>4</td>
<td>TH-108</td>
<td>Sliding hooks for the rubber bands</td>
</tr>
<tr>
<td>1</td>
<td>TH-109</td>
<td>Set rubber bands 5 pieces</td>
</tr>
</tbody>
</table>
ARTERY FORCEPS

Micro Baby Mosquito Artery Forceps
- Straight
- 10cm/4"
HF5742-10

Micro Baby Mosquito Artery Forceps
- Curved
- 10cm/4"
HF5743-10

Halstead Mosquito Artery Forceps
- Straight
- 12.5cm/5"
HF5752-12

Micro Mosquito Artery Forceps
- Straight
- 12.5cm/5"
HF5742-12

Halstead Mosquito Artery Forceps
- Curved
- 12.5cm/5"
HF5753-12

Micro Mosquito Artery Forceps
- Curved
- 12.5cm/5"
HF5743-12
SCALPEL HANDLES & MARKING PENS

Barrons Scalpel Blade Handle No.3
- 13cm/5¼"
HF5001-13

Beaver Blade Holder
- 13cm/5¼"
HF5004-13

Eckoff Mapping Pen
- 14.5cm/5¼"
HF5002-14

Sommerlad Marking Pen
- 15cm/6"
HF5003-15

Stainless Steel Measuring Ruler

<table>
<thead>
<tr>
<th>Code</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF5005-15</td>
<td>15cm/6”</td>
</tr>
<tr>
<td>HF5005-30</td>
<td>30cm/12”</td>
</tr>
</tbody>
</table>

Mitchels Trimmer
- 16cm/6¼"
HF5008-16

Castroviejo Measuring Caliper
- 7cm/2.75"
- Measuring range 0 to 25mm
HF7334-10

Ink Pot
- Stainless Steel
HA5006-99
BONE NIBBLERS

Friedman-Pearson Micro Bone Nibbler
- Curved
- 15cm/6"

1mm Bite
HF5117-15

Kleinert-Kutz Bone Nibbler
- Curved
- 14cm/4½"

2mm Bite
HF5118-50

Stellbrink Synovectomy Nibbler
- Curved
- 17cm/6¾"

2mm Bite
HF5119-00

Beyer Bone Nibbler
- Curved
- 17cm/6¾"

2mm Bite
HF5121-17
BONE NIBBLERS

Bohler Bone Nibbler
- Curved double action
- 15cm/6"

3mm Bite
HF5120-50

Beyer Bone Nibbler
- Curved double action
- 18cm/7"

4mm Bite
HF1002-18

Jansen Bone Nibbler
- Curved double action
- 18cm/7"

5mm Bite
HF1003-18
BONE CUTTERS

Bohler Bone Cutters
- Double action
- 15cm/6”

- Straight
  - HF5160-50
- Angled
  - HF5161-50

McIndoe Bone Cutters
- Double action
- 18cm/7”

  - HF1028-18

Ruskin-Listons Bone Cutters
- Double action
- 19cm/7½”

- Straight
  - HF5170-19
- Angled
  - HF5171-19
MALLETS

Toffee Mallet
- 19cm/7¾”
- Head size 22mm Ø
- Weight 165g/6oz

Mead Mallet
- Interchangable delrin discs
- 18cm/7”
- Head size 26mm Ø
- Weight 320g/11¼oz

Ultra Fine Mallet
- 17cm/6¾”
- Head size 20mm Ø
- Weight 145g/5oz

Mallet with Tufnol Handle
- 23cm/9”
- Head size 35mm Ø
- Weight 550g/20oz

London Splint Mallet
- 18cm/7”
- Head size 30mm Ø
- Weight 450g/16.2oz
Mini-Lambotte Osteotomes
- 12.5cm/5"

HF5270-28  | Set of 5 sizes 2mm to 8mm
HF5270-02  | 2mm
HF5270-03  | 3mm
HF5270-04  | 4mm
HF5270-06  | 6mm
HF5270-08  | 8mm

Sheehan Osteotomes
- 15cm/6"

HF5280-28  | Set of 5 sizes 2mm to 10mm
HF5280-02  | 2mm
HF5280-04  | 4mm
HF5280-06  | 6mm
HF5280-08  | 8mm
HF5280-10  | 10mm

Carrol Osteotomes
- 14.5cm/5¾"

HF5290-03  | 3mm
HF5290-06  | 6mm
HF5290-10  | 10mm
HF5290-13  | 13mm

Partsch Chisel
- 13cm/5½"

HF5260-02  | 2mm
HF5260-03  | 3mm
HF5260-04  | 4mm
HF5260-05  | 5mm
HF5260-06  | 6mm
HF5260-07  | 7mm
HF5260-08  | 8mm
### Ultra Fine Osteotomes (Titanium Nitrate Coated)
- 16cm/6¼"

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF5230-02</td>
<td>2mm</td>
</tr>
<tr>
<td>HF5230-04</td>
<td>4mm</td>
</tr>
<tr>
<td>HF5230-06</td>
<td>6mm</td>
</tr>
<tr>
<td>HF5230-08</td>
<td>8mm</td>
</tr>
<tr>
<td>HF5230-10</td>
<td>10mm</td>
</tr>
<tr>
<td>HF5230-12</td>
<td>12mm</td>
</tr>
</tbody>
</table>

Set of 6 sizes 2mm to 12mm

### Mini-Lexer Osteotomes with Tufnol Handle
- 18cm/7"

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF5250-02</td>
<td>2mm</td>
</tr>
<tr>
<td>HF5250-04</td>
<td>4mm</td>
</tr>
<tr>
<td>HF5250-06</td>
<td>6mm</td>
</tr>
<tr>
<td>HF5250-08</td>
<td>8mm</td>
</tr>
<tr>
<td>HF5250-10</td>
<td>10mm</td>
</tr>
</tbody>
</table>

Set of 5 sizes 2mm to 10mm

### Mini-Lexer Gouge with Tufnol Handle
- 18cm/7"

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF5240-04</td>
<td>4mm</td>
</tr>
<tr>
<td>HF5240-06</td>
<td>6mm</td>
</tr>
<tr>
<td>HF5240-08</td>
<td>8mm</td>
</tr>
<tr>
<td>HF5240-10</td>
<td>10mm</td>
</tr>
</tbody>
</table>

### Bone Tampers
- 16cm/6½"

<table>
<thead>
<tr>
<th>Code</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF5004-02</td>
<td>2mm</td>
</tr>
<tr>
<td>HF5004-03</td>
<td>3mm</td>
</tr>
<tr>
<td>HA5004-04</td>
<td>4mm</td>
</tr>
<tr>
<td>HA5004-05</td>
<td>5mm</td>
</tr>
<tr>
<td>HA5004-06</td>
<td>6mm</td>
</tr>
<tr>
<td>HA5004-08</td>
<td>8mm</td>
</tr>
</tbody>
</table>
BONE ELEVATORS

Adson Periosteal Elevator
- 16cm/6¼"
- Curved blunt

<table>
<thead>
<tr>
<th></th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF3055-16</td>
<td>5mm</td>
</tr>
<tr>
<td>HF3007-16</td>
<td>7mm</td>
</tr>
</tbody>
</table>

Pennybacker Periosteal Elevator
- 16cm/6¼"
- Curved sharp

<table>
<thead>
<tr>
<th></th>
<th>Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF3063-16</td>
<td>4mm</td>
</tr>
<tr>
<td>HF3066-16</td>
<td>6mm</td>
</tr>
<tr>
<td>HF3068-16</td>
<td>8mm</td>
</tr>
</tbody>
</table>

Bone Raspatory with Tufnol Handle
- 19cm/7½"

<table>
<thead>
<tr>
<th></th>
<th>Straight Width</th>
<th>Curved Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF7016-19</td>
<td>6mm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3mm</td>
<td>6mm</td>
</tr>
</tbody>
</table>

Farabeuf Rugine Elevator
- 15cm/6"

<table>
<thead>
<tr>
<th></th>
<th>Straight Width</th>
<th>Curved Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>HF3001-15</td>
<td>12mm</td>
<td></td>
</tr>
<tr>
<td>HF3002-15</td>
<td>12mm</td>
<td></td>
</tr>
</tbody>
</table>

*illustrated
BONE ELEVATORS

Mini Bone Lever
- 14cm/5½"
- 2-8mm width
HF5830-14

Hohmann Style Mini-Bone Lever
- 16cm/6¼"
- 6mm width
HF5831-16

Phalangeal Lever
- 15cm/6"
- 5mm width
HF5832-16

Buck-Gramcko Lever
- 15cm/6"
- 7.5mm width
HF5833-15

Mini-Cobra Bone Lever
- 16cm/6½"
- 15mm width
HF5834-16

McGlamry Metatarsal Elevator
- 17cm/6½"
- Sharp
HF5835-10  9mm Width
HF5835-12  11mm Width
HF5835-14  13mm Width
HF5835-16  15mm Width
HF5835-19  19mm Width
BONE CURETTES & RASPS

Martini Mini Curette
- 13.5cm/5¼"
  HF5412-13

Jansen Curette
- 16cm/6¼"
  HF5432-15

Bruns Curette
- 17cm/6¾"
  Cup size 0000 HF5414-17
  Cup size 00 HF5413-17
  Cup size 0 HF5412-17
  Cup size 0 HF5411-17

Curette with Tufnol Handle
- 19cm/7½"
  Cup size 0000 HF5404-19
  Cup size 00 HF5403-19
  Cup size 00 HF5402-19
  Cup size 0 HF5401-19

Bone Rasp with Finger Ring
- 15cm/6"
  HF5382-01
DISSECTORS

Swedish Dissector
- 18cm/7"

Howarth Elevator
- 21.5cm/8½"

MacDonald Elevator/Dissector

Watson Cheyne Dissector

Freers Elevator/Dissector
- 18.5cm/7¼"
Bone Holding Forceps
- 14cm/5½"
  HF5021-14

Phalanx Holding Forceps
- 14cm/5½"
  HF5031-14

Langenbeck Bone Holding Forceps
- 20cm/8"
  HF5120-05

Bone Reposition Forceps for small fragments
- 13.5cm/6¼"
  HF5041-13

Bone Repositioning Forceps with K-wire guide
- 14cm/5½"
  HF5051-09 for 0.9mm wire
  HF5051-12 for 1.2mm wire
  HF5051-16 for 1.6mm wire

These Bone Repositioning Forceps include a wire guide allowing the K-wire to be accurately implanted in the Bone. We offer sizes to take small, medium and large Kirschner wires.
**Bone Spreaders & Camps**

**Scaphoid Spreader - Fine Pattern**
- 14 cm/5½"
- 1 x 2 prongs

- 6 mm
  - HF5131-14

**Scaphoid Spreader - Standard Pattern**
- 14 cm/5½"

- 6 mm
  - HF5134-14

**Baby Inge Lamina Spreader**
- 18 cm/7"

- 7 mm
  - Toothed: HF5134-18
  - Smooth: HF5134-18S
  - Cross Serrated: HF5134-18X

**Ikuta Bone Clamp**
- 12 cm/4¾"
- Toothed 2 x 2 jaws
- With ratchet

- 8 mm width
  - Wide jaw: HF5055-12

- 4 mm width
  - Narrow jaw: HF5050-12

*Illustrated*
WIRING INSTRUMENTS

Muller Claus Wire Cutters
- 16cm/6”
- Tungsten carbide edges
- Cuts wire up to 1.6mm Ø

End Wire Cutters
- 18cm/7” length
- Tungsten carbide edges
- Cuts wire up to 1.7mm Ø

Muller Claus Wire Pullers
- 18cm/7” length

<table>
<thead>
<tr>
<th>Jaws</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>2mm</td>
<td>8-818E18</td>
</tr>
<tr>
<td>4mm</td>
<td>8-820E18</td>
</tr>
<tr>
<td>6mm</td>
<td>8-821E18</td>
</tr>
</tbody>
</table>
WIRING INSTRUMENTS

Slim Nose Wire Twisters
- 19cm/7½"  
HF7645-19

Needle Nosed Locking Pliers

<table>
<thead>
<tr>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22cm/8¼”</td>
<td>Small</td>
</tr>
<tr>
<td>25cm/9¼”</td>
<td>Medium</td>
</tr>
<tr>
<td>30cm/11¾”</td>
<td>Large</td>
</tr>
</tbody>
</table>

- A very useful instrument for orthopaedic surgery allowing the surgeon to securely clamp on to wires and implants.

Combined Wire Cutters & Pliers
- 18cm/7”  
- Suitable for wires up to 1.6mm  
200-512-185

Orthopaedic Locking Grips
- Hardened jaws

<table>
<thead>
<tr>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>18cm/7”</td>
<td>Small</td>
</tr>
<tr>
<td>20cm/8”</td>
<td>Medium</td>
</tr>
<tr>
<td>24cm/9½”</td>
<td>Large</td>
</tr>
</tbody>
</table>
Tendon Interlacing Forceps
- 15cm/6”

The pointed tip separates the Tendon without causing splits. The jaws grasp and secure a Tendon Stump pulling it back through the tendon body.

Carroll Tendon Retriever
- Curved
- 11cm/4¼”

Kleinert-Kutz Tendon Retriever
- 21cm/8¼”
- 2mm jaws
- Flexible shaft

1 x 2 Teeth
TENDON SURGERY

Anderson-Brand Tendon Retriever

15cm/6"

- HF5810-15 Straight
- HF5811-15 Curved

20cm/8"

- HF5810-20 Straight
- HF5811-20 Curved

Buck-Gramcko Tendon Retriever

- 20cm/8"
- 2 x 3 teeth on serrated jaws

Steinmann Tendon Holding Forceps

- 13cm/5 1/8"
  with adjustable grub screw

HF5864-13

Teeth engage in opposing jaws
TENDON SURGERY

Tendon Strippers
- 28cm/11"

Closed Ring Style
- HF5811-03 3mm inside diam.
- HF5811-04 4mm inside diam.
- HF5811-05 5mm inside diam.
- HF5811-06 6mm inside diam.

Slotted Ring Style
- No requirement to cut the Tendon
- HF5809-03 3mm inside diam.
- HF5809-04 4mm inside diam.
- HF5809-05 5mm inside diam.
- HF5809-06 6mm inside diam.

Fischer Tendon Stripper
- 31cm/12¼"

Diameter 4mm
- HF5812-04

Larson Tendon Holding Forceps
- 10cm/4"

- HF5810-02 2mm
- HF5810-03 3mm
- HF5810-04 4mm
- HF5810-05 5mm
This set was developed to allow the surgeon to hold securely and trim the nerve ends with the correct size holding forceps avoiding trauma to the nerve. There is minimal loss of nerve end with this technique.
The Mercian Hand Set gives the consultant a range of instrumentation for both Soft Tissue and Bone Surgery, presented in an instrument container. The set can be ordered as a Basic Set or the extended set with further Bone and Tendon Instruments.
Mercian Basic Hand Set

**HF5000-00**

Set consisting of the following instruments:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E4026/5D</td>
<td>Sterilising Container with double rack</td>
</tr>
<tr>
<td>1</td>
<td>EA7633-11</td>
<td>Stevens Tenotomy Scissors Curved 4½&quot;</td>
</tr>
<tr>
<td>1</td>
<td>703 DE-12</td>
<td>Derf TC Needle Holder 4¾&quot;</td>
</tr>
<tr>
<td>1</td>
<td>HF5118-50</td>
<td>Kleinert Kutz Bone Nibbler 5½&quot;</td>
</tr>
<tr>
<td>1</td>
<td>HF5200-70</td>
<td>Alm S/R Retractor 3&quot;</td>
</tr>
<tr>
<td>1</td>
<td>HF5701-10</td>
<td>Weitlaner S/R Retractor 2 x 3 Blunt 4¼&quot;</td>
</tr>
<tr>
<td>1</td>
<td>HF5130-12</td>
<td>Micro Adson Forceps 1 x 2 Teeth</td>
</tr>
<tr>
<td>1</td>
<td>HF5035-12</td>
<td>Micro Adson Forceps Non Toothed</td>
</tr>
<tr>
<td>1</td>
<td>HF5382-01</td>
<td>Bone Rasp Straight with Finger Ring</td>
</tr>
<tr>
<td>2</td>
<td>HF5055-01</td>
<td>Kleinert Kutz Skin Hooks</td>
</tr>
<tr>
<td>2</td>
<td>HF5402-10</td>
<td>Joseph Double Hooks 10mm</td>
</tr>
<tr>
<td>2</td>
<td>HF5251-01</td>
<td>Single Blunt Hook</td>
</tr>
<tr>
<td>2</td>
<td>HF5235-12</td>
<td>Saddle Hooks 12mm</td>
</tr>
<tr>
<td>2</td>
<td>HF5242-10</td>
<td>Mini Langenbeck Retractors</td>
</tr>
<tr>
<td>2</td>
<td>HF5252-03</td>
<td>Catspaw Retractors 3 - Prong</td>
</tr>
<tr>
<td>5</td>
<td>HF5270-28</td>
<td>Mini-Lambotte Osteotomes 2, 3, 4, 6 &amp; 8mm</td>
</tr>
<tr>
<td>1</td>
<td>HF5432-10</td>
<td>Jansen Mini Bone Curette</td>
</tr>
<tr>
<td>2</td>
<td>HF5830-14</td>
<td>Mini Bone Levers</td>
</tr>
<tr>
<td>1</td>
<td>HF7602-18</td>
<td>Freer Dissector</td>
</tr>
<tr>
<td>1</td>
<td>HF5808-21</td>
<td>Toffee Hammer</td>
</tr>
</tbody>
</table>

Mercian Extended Hand Set

**HA5000-05**

Extended Hand Set includes the above plus the following instruments:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EA7643-13</td>
<td>Jameson-Werber Scissors Curved 5¼&quot;</td>
</tr>
<tr>
<td>1</td>
<td>70-02-41</td>
<td>Bipolar Forceps 4&quot;</td>
</tr>
<tr>
<td>1</td>
<td>37-01-35L</td>
<td>Bipolar Lead - Banana Plug Fitting</td>
</tr>
<tr>
<td>1</td>
<td>HF5120-50</td>
<td>Bohler Bone Nibbler Curved</td>
</tr>
<tr>
<td>1</td>
<td>HF5161-50</td>
<td>Bohler Bone Cutter Angled</td>
</tr>
<tr>
<td>1</td>
<td>8-810 E-18</td>
<td>Muller-Claus Wire Cutters</td>
</tr>
<tr>
<td>1</td>
<td>8-818 E-18</td>
<td>Wire Twisters Muller-Claus</td>
</tr>
<tr>
<td>1</td>
<td>HF5679-11</td>
<td>Carroll Tendon Forceps</td>
</tr>
<tr>
<td>1</td>
<td>HF5254-15</td>
<td>Tendon Braiding Forceps Straight</td>
</tr>
<tr>
<td>1</td>
<td>HF5255-15</td>
<td>Tendon Braiding Forceps Curved</td>
</tr>
</tbody>
</table>
SMALL JOINT ARTHROSCOPIC INSTRUMENTS

Duckbill Mini Punch
- 1.5mm straight jaws
  225-810-102

Oval Mini Punch
- Straight jaws
  225-810-202

Blue Nosed Mini Punch
- Straight jaws
  225-810-302

Biopsy Mini Ronguer
- Straight jaws
  225-810-930

Alligator Mini Grasping Forceps
- With slide lock
  225-810-825

Mini Punch
  225-305-020

Mini Scissors
- Downside cut
  225-306-020

Mini Cupped Forceps
  225-307-020

Mini Cupped Forceps
- Serrated edge
  225-308-020

Mini Grasping Forceps
  225-309-020
SMALL JOINT ARTHROSCOPIC INSTRUMENTS

Hook Probe
- 90° angled
- 2mm tip
225-400-102
- 45° angled
- 3mm tip
225-400-103

Graduated Probe Long
- 14cm working length
- 45° angled
- 1.5mm tip
225-100-123

Graduated Probe
- 75mm working length
- 45° angled
- 1.5mm tip
225-100-115

Mini Knifes & Rasps
- Hook Knife
  225-090-008
- Round Knife
  225-090-006
- Smile Meniscotome 7mm
  225-090-007
- Mini Bone Curette
  225-090-009
- Mini Rasp - Concave
  225-090-004
- Mini Rasp - Convex
  225-090-005
**SMALL JOINT 1.9 MM Ø TELESCOPES**

**Mini Telescope 1.9mm ø**
- 102mm length
- 30° view angle

225-019-130

**Mini Telescope 1.9mm ø Short**
- 69mm length
- 30° view angle

225-019-030

**Operating Sheaths**
- 2.5mm x 102mm length
- 1 rotating stopcock

225-510-328

**Operating Sheaths**
- 2.5mm x 102mm length
- 2 rotating stopcocks

225-510-428

**Operating Sheaths**
- 2.5mm x 69mm length
- 1 rotating stopcock

225-512-125

**Operating Sheaths**
- 2.5mm x 69mm length
- 2 rotating stopcocks

225-512-225

**Blunt Obturator**
225-510-528

**Sharp Obturator**
225-510-628

**Blunt Obturator**
225-511-525

**Sharp Obturator**
225-511-625
SMALL JOINT 2.4 mm Ø TELESCOPES

Telescope 2.4mm Ø
- 110 mm length
- 30° view angle
HF225-224-030

Operating Sheaths
- 1 rotating stopcock
HF225-510-332

Operating Sheaths
- 2 rotating stopcocks
HF225-510-432

Blunt Obturator for 3.2mm Shaft
HF225-510-532

Sharp Obturator for 3.2mm Shaft
HF225-510-632
Mercian Vessel Dilators have Mirror polished parallel tips for interluminal vessel dilation. The entire area is opened to the same diameter and the pressure is distributed evenly. This ensures that unnecessary damage to the vessel is avoided.
MICRO SURGERY INSTRUMENTS

Round Bodied Vessel Dilator
- 15cm/6" length
- Straight tips 0.3mm Ø
- Balanced forceps

HFS-15 RM-8d.3

Round Bodied Vessel Dilator
- 15cm/6" length
- Curved tips 0.2mm Ø
- Balanced forceps

HFC-15 RM-8d.2

Round Bodied Vessel Dilator
- 18cm/7" length
- Straight tips 0.3mm Ø
- Balanced forceps

HFS-18 RM-8d.3

Round Bodied Vessel Dilator
- 18cm/7" length
- Curved tips 0.3mm Ø
- Balanced forceps

HFC-18 RM-8d.3
**MICRO SURGERY INSTRUMENTS**

**Jewellers Forceps**
- 11 cm / 4⅜” length
- Tips 0.3 mm

**Jewellers Forceps Long**
- 15 cm / 6” length
- Tips 0.3 mm

**Jewellers Forceps**
- 12 cm / 4⅜” length
- Tips 0.3 mm

**Jewellers Forceps**
- 13.5 cm / 5⅞” length
- Tips 0.3 mm

**Pierse Forceps**
- 12 cm / 4⅜” length
- Tips 0.3 mm

Pierse Forceps have a micro hole in the tips which securely grip tissue with minimal trauma

**Micro Adson Fixation Forceps**
- 12 cm / 4⅜” length
- 1 x 2 micro teeth
- Tips 0.3 mm
MICRO SURGERY INSTRUMENTS

Round Bodied Forceps
- 15cm/6" length
- Straight, with platform
- Tips 0.3mm Ø
- Balanced forceps

HFS-15 RM8

Round Bodied Forceps
- 15cm/6" length
- Curved, with platform
- Tips 0.3mm Ø
- Balanced forceps

HFC-15 RM8

Round Bodied Angled Forceps
- 15cm/6" length
- Angled tips 0.2mm Ø
- Balanced forceps

HFAS-15 RM-8

Round Bodied Forceps
- 18cm/7" length
- Straight, with platform
- Tips 0.5mm Ø
- Balanced forceps

HFS-18 RM8

Round Bodied Forceps
- 18cm/7" length
- Curved, with platform
- Tips 0.5mm Ø
- Balanced forceps

HFC-18 RM8

Round Bodied Angled Forceps
- 18cm/7" length
- Angled tips 0.2mm Ø
- Balanced forceps

HFS-18 RM8
MICRO SURGERY INSTRUMENTS

**Straight Scissors Flat Handle**
- 15cm/6” length
- Blades 19mm long

- **HFS-15**
- Adventitia Scissors with pointed tips

**Curved Scissors Flat Handle**
- 15cm/6” length
- Blades 19mm long

- **HFC-15**
- Dissecting Scissors with rounded tips

**Straight Scissors Flat Handle**
- 15cm/6” length
- Blades 15mm long

- **HFS-15S**
- Adventitia Scissors with pointed tips

**Curved Scissors Flat Handle**
- 15cm/6” length
- Blades 15mm long

- **HFC-15S**
- Dissecting Scissors with rounded tips

Available with Micro Serrations for nerve cutting:
- **SAS-15T**
- **SDC-15T**
MICRO SURGERY INSTRUMENTS

Straight Scissors  Round Handle

15cm/6”  SAS-15 R8
- Blades 12mm long

18cm/7”  SAS-18 R8
- Blades 14mm long

Adventitia scissors with pointed tips

Curved Scissors  Round Handle

15cm/6”  HFC-15 R8
- Blades 12mm long

18cm/7”  HFC-18 R8
- Blades 14mm long

Dissecting scissors with rounded tips

Blondeel Scissors  Round Handle

- Blades 15mm long
- Curved blades

15cm/6”  HFC-15R-8-2R

18cm/7”  HFC-18R-8-2R

These Scissors were designed by professor Phillip Blondeel for use in breast reconstruction utilising a perforator flap. A combination of ring handle design for preparation of fine structures, the round handle micro instrument handle allows the user to perform fine micro surgery.
MICRO SURGERY INSTRUMENTS

Barraquer Micro Needle Holder
- Round bodied
- 0.4mm Jaws

<table>
<thead>
<tr>
<th>Without Lock</th>
<th>Straight</th>
<th>Curved</th>
</tr>
</thead>
<tbody>
<tr>
<td>13cm/5”</td>
<td>BS-13-8</td>
<td>B-13-8</td>
</tr>
<tr>
<td>15cm/6”</td>
<td>BS-15-8</td>
<td>B-15-8</td>
</tr>
<tr>
<td>18cm/7”</td>
<td>BS-18-8</td>
<td>B-18-8</td>
</tr>
</tbody>
</table>

Castroviejo Micro Needle Holder
- Flat handled
- 0.4mm jaws

<table>
<thead>
<tr>
<th>Without Lock</th>
<th>Curved</th>
</tr>
</thead>
<tbody>
<tr>
<td>14cm/5 ½”</td>
<td>C-14</td>
</tr>
<tr>
<td>18cm/7”</td>
<td>C-18</td>
</tr>
</tbody>
</table>

Double Action Micro Needle Holder
- Round bodied
- 0.4mm Jaws

<table>
<thead>
<tr>
<th>Without Lock</th>
<th>Curved</th>
</tr>
</thead>
<tbody>
<tr>
<td>15cm/6”</td>
<td>NH-15 RM-8</td>
</tr>
<tr>
<td>18cm/7”</td>
<td>NH-18 RM-8</td>
</tr>
</tbody>
</table>
### Acland Micro Vessel Clamps

**"A" or "V" Pattern?**
Throughout the series, the **V** pattern is the all-purpose clamp, commonly used on all veins, and almost all arteries. The **A** pattern, available in all sizes, is designed for exceptionally thick-walled vessels and slippery arteries. The slight incurve of the tips of the **A** pattern jaw provides extra security against slippage.

- **Light and compact design**
- **Extremely durable**
- **A unique gripping surface**
- **Smooth sliding bar action on all approximator clamps**
- **Clamp profile with parallel sided jaws**
- **Matt or black finish**

### Ordering Details

<table>
<thead>
<tr>
<th>SINGLE CLAMPS</th>
<th>DOUBLE APPROXIMATING CLAMPS</th>
<th>DOUBLE CLAMPS WITH FRAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>00396 V</td>
<td>00414 V</td>
<td>00408 V</td>
</tr>
<tr>
<td>00397 A</td>
<td>00415 A</td>
<td>00409 A</td>
</tr>
<tr>
<td>CLAMP SIZE B-1</td>
<td>CLAMP SIZE ABB - 11</td>
<td>CLAMP SIZE ABB - 1</td>
</tr>
<tr>
<td>0.4 - 1.0mm</td>
<td>0.4 - 1.0mm</td>
<td>0.4 - 1.0mm</td>
</tr>
<tr>
<td>00398 V</td>
<td>00416 V</td>
<td>00410 V</td>
</tr>
<tr>
<td>00399 A</td>
<td>00417 A</td>
<td>00411 A</td>
</tr>
<tr>
<td>CLAMP SIZE B-2</td>
<td>CLAMP SIZE ABB - 22</td>
<td>CLAMP SIZE ABB - 2</td>
</tr>
<tr>
<td>0.6 - 1.5mm</td>
<td>0.6 - 1.5mm</td>
<td>0.6 - 1.5mm</td>
</tr>
<tr>
<td>00400 V</td>
<td>00418 V</td>
<td>00412 V</td>
</tr>
<tr>
<td>00401 A</td>
<td>00419 A</td>
<td>00413 A</td>
</tr>
<tr>
<td>CLAMP SIZE B-3</td>
<td>CLAMP SIZE ABB - 33</td>
<td>CLAMP SIZE ABB - 3</td>
</tr>
<tr>
<td>1.0 - 2.25mm</td>
<td>1.0 - 2.25mm</td>
<td>1.0 - 2.25mm</td>
</tr>
<tr>
<td>00325</td>
<td>00326</td>
<td>Clamp Box CB-1</td>
</tr>
<tr>
<td>HD - S</td>
<td>HD - D</td>
<td>Clamp Applicator CAF - 4</td>
</tr>
<tr>
<td>1.5 - 3.5mm</td>
<td>1.5 - 3.5mm</td>
<td></td>
</tr>
<tr>
<td>00286</td>
<td>00287</td>
<td></td>
</tr>
<tr>
<td>RD - S</td>
<td>RD - D</td>
<td></td>
</tr>
<tr>
<td>2.0 - 5.0mm</td>
<td>2.0 - 5.0mm</td>
<td></td>
</tr>
</tbody>
</table>

**Clamp Container**
HF4400-00
MICRO SURGERY CLAMPS

- Sterile, single use, disposable
- Atraumatic jaws
- Colour coded for better differentiation
- Consistent and reliable closing pressure
- Designed for use on veins and arteries
- Light weight
- Blue, black and purple finish provides excellent contrast in the field
- Radiopaque
- Eliminates cleaning and processing problems
- Economical

Single Clamps packed in boxes of 24
- **P - 1**
  - 0.4 - 1mm Vessels
  - HF70005

- **P - 2**
  - 0.6 - 1.5mm Vessels
  - HF70003

- **P - 3**
  - 1.0 - 2.5mm Vessels
  - HF70007

Double Clamps packed in boxes of 12
- **APP - 11**
  - 0.4 - 1mm Vessels
  - HF70006

- **APP - 22**
  - 0.6 - 1.5mm Vessels
  - HF70004

- **APP - 33**
  - 1.0 - 2.5mm Vessels
  - HF70008

VISIBILITY BACKGROUND MATERIAL

TO ASSIST IN VISUALISING MICRO VESSELS DURING SURGERY

Application: For use in Micro Surgical Anastomosis of Micro Vessels under a Microscope to allow the surgeon to better visualize the detail of the vessels, being closed.

The Visibility Material can be used either with the Grid side up to give the Surgeon a scale of the vessel alternatively the reverse Plain side can also be used.

The material has a none reflective surface eliminating distractions from theatre lighting and has a non-tacky finish to aid mobilization of the Vessel.

1mm Grid one side & matt finish on reverse. Size: 50mm x 25mm

Ordering details:

<table>
<thead>
<tr>
<th>COLOUR</th>
<th>ordering code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>VB2</td>
</tr>
<tr>
<td>Green</td>
<td>VB3</td>
</tr>
<tr>
<td>Blue</td>
<td>VB4</td>
</tr>
</tbody>
</table>

- X-Ray opaque silicon material
- 1mm Grid for accurate measurement of vessels
- Latex Free material
- Sterile Packed in boxes of 12 pieces
MICRO INSTRUMENT SETS

Mercian offer both a Basic Micro Surgery Instrument Set, equipping the surgeon with the basic Instruments for most micro surgery procedures and a reduced set suitable for Nerve and Tendon Repair.

Mercian Basic Micro Instrument Set

BMS-1

Set consisting of the following instruments:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E.4026/4</td>
<td>Micro Instrument Container</td>
</tr>
<tr>
<td>1</td>
<td>SAS-15R8</td>
<td>Micro Scissors R/B 15cm Straight</td>
</tr>
<tr>
<td>1</td>
<td>SDC-15R8</td>
<td>Micro Scissors R/B 15cm Curved</td>
</tr>
<tr>
<td>1</td>
<td>BS-15-8</td>
<td>Micro Needle Holder R/B 15cm Straight</td>
</tr>
<tr>
<td>1</td>
<td>B-15-8</td>
<td>Micro Needle Holder R/B 15cm Curved</td>
</tr>
<tr>
<td>1</td>
<td>FRS-15 RM8</td>
<td>Suture Tying Forceps R/B 15cm Straight</td>
</tr>
<tr>
<td>1</td>
<td>FRC-15 RM8</td>
<td>Suture Tying Forceps R/B 15cm Curved</td>
</tr>
<tr>
<td>2</td>
<td>JF-5</td>
<td>Jewellers Forceps No.5 11cm</td>
</tr>
<tr>
<td>1</td>
<td>D5a</td>
<td>Micro Vessel Dilator 11cm</td>
</tr>
<tr>
<td>1</td>
<td>CAF-4</td>
<td>Clamp Applying Forceps No Lock</td>
</tr>
<tr>
<td>1</td>
<td>CB-1</td>
<td>Clamp Box</td>
</tr>
<tr>
<td>1pr</td>
<td>00398V</td>
<td>Single Acland Clamps B-2V</td>
</tr>
<tr>
<td>1pr</td>
<td>00400V</td>
<td>Single Acland Clamps B-3V</td>
</tr>
<tr>
<td>1pr</td>
<td>00325V</td>
<td>Single Acland Clamps HD-S</td>
</tr>
</tbody>
</table>

Micro Instrument Set for Nerve Repair Surgery

MNS-1

Set consisting of the following instruments:

<table>
<thead>
<tr>
<th>Qty</th>
<th>Order Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>E.4026/1</td>
<td>Micro Instrument Container</td>
</tr>
<tr>
<td>1</td>
<td>B-15-8</td>
<td>Micro Needle Holder R/B 15cm Curved</td>
</tr>
<tr>
<td>1</td>
<td>SAS-15T</td>
<td>Micro Scissors Flat Handled 15cm Straight Serrated Blade</td>
</tr>
<tr>
<td>2</td>
<td>JF-5</td>
<td>Jewellers Forceps No.5 11cm</td>
</tr>
</tbody>
</table>
INSTRUMENT CONTAINERS

SINGLE TRAY CONTAINERS

<table>
<thead>
<tr>
<th>Internal Dimensions</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 200 x 140 x 50mm</td>
<td>E 4026/1</td>
</tr>
<tr>
<td>B 280 x 195 x 50mm</td>
<td>E 4026/4</td>
</tr>
<tr>
<td>C 265 x 255 x 50mm</td>
<td>E 4026/5</td>
</tr>
<tr>
<td>D 380 x 260 x 50mm</td>
<td>E 4026/7</td>
</tr>
</tbody>
</table>

E 4026/5
Standard Container illustrated
One of our popular cases for Micro Instruments

DOUBLE TRAY CONTAINERS

<table>
<thead>
<tr>
<th>Internal Dimensions</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 280 x 195 x 65mm</td>
<td>E 4026/4 D</td>
</tr>
<tr>
<td>B 265 x 255 x 65mm</td>
<td>E 4026/5 D</td>
</tr>
<tr>
<td>C 380 x 260 x 65mm</td>
<td>E 4026/7 D</td>
</tr>
</tbody>
</table>

E 4026/5D
Double Tray Container illustrated
Two removable perforated trays

Acland Clamp Container

HF4400-00
With individual compartments for various clamp sizes
KIRSCHNER WIRES - STERILE PACKED

### Single Ended

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>3&quot;/75mm</th>
<th>4&quot;/100mm</th>
<th>5&quot;/125mm</th>
<th>6&quot;/150mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 0.8mm</td>
<td>HF6075 - 08</td>
<td>KW6100 - 08</td>
<td>KW6125 - 08</td>
<td>W6150 - 08</td>
</tr>
<tr>
<td>Ø 0.9mm</td>
<td>HF6075 - 09</td>
<td>KW6100 - 09</td>
<td>KW6125 - 09</td>
<td>W6150 - 09</td>
</tr>
<tr>
<td>Ø 1.0mm</td>
<td>HF6075 - 10</td>
<td>KW6100 - 10</td>
<td>KW6125 - 10</td>
<td>W6150 - 10</td>
</tr>
<tr>
<td>Ø 1.1mm</td>
<td>HF6075 - 11</td>
<td>KW6100 - 11</td>
<td>KW6125 - 11</td>
<td>W6150 - 11</td>
</tr>
<tr>
<td>Ø 1.2mm</td>
<td>HF6075 - 12</td>
<td>KW6100 - 12</td>
<td>KW6125 - 12</td>
<td>W6150 - 12</td>
</tr>
<tr>
<td>Ø 1.3mm</td>
<td>HF6075 - 13</td>
<td>KW6100 - 13</td>
<td>KW6125 - 13</td>
<td>W6150 - 13</td>
</tr>
<tr>
<td>Ø 1.4mm</td>
<td>HF6075 - 14</td>
<td>KW6100 - 14</td>
<td>KW6125 - 14</td>
<td>W6150 - 14</td>
</tr>
<tr>
<td>Ø 1.5mm</td>
<td>HF6075 - 15</td>
<td>KW6100 - 15</td>
<td>KW6125 - 15</td>
<td>W6150 - 15</td>
</tr>
<tr>
<td>Ø 1.6mm</td>
<td>HF6075 - 16</td>
<td>KW6100 - 16</td>
<td>KW6125 - 16</td>
<td>W6150 - 16</td>
</tr>
<tr>
<td>Ø 1.7mm</td>
<td>HF6075 - 17</td>
<td>KW6100 - 17</td>
<td>KW6125 - 17</td>
<td>W6150 - 17</td>
</tr>
<tr>
<td>Ø 1.8mm</td>
<td>HF6075 - 18</td>
<td>KW6100 - 18</td>
<td>KW6125 - 18</td>
<td>W6150 - 18</td>
</tr>
<tr>
<td>Ø 1.9mm</td>
<td>HF6075 - 19</td>
<td>KW6100 - 19</td>
<td>KW6125 - 19</td>
<td>W6150 - 19</td>
</tr>
<tr>
<td>Ø 2.0mm</td>
<td>HF6075 - 20</td>
<td>KW6100 - 20</td>
<td>KW6125 - 20</td>
<td>W6150 - 20</td>
</tr>
<tr>
<td>Ø 2.2mm</td>
<td>HF6075 - 21</td>
<td>KW6100 - 21</td>
<td>KW6125 - 21</td>
<td>W6150 - 21</td>
</tr>
<tr>
<td>Ø 2.5mm</td>
<td>HF6075 - 22</td>
<td>KW6100 - 22</td>
<td>KW6125 - 22</td>
<td>W6150 - 22</td>
</tr>
</tbody>
</table>

### Double Ended

<table>
<thead>
<tr>
<th>Diameter (mm)</th>
<th>3&quot;/75mm</th>
<th>4&quot;/100mm</th>
<th>5&quot;/125mm</th>
<th>6&quot;/150mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ø 0.8mm</td>
<td>HF7075 - 08</td>
<td>HF7100 - 08</td>
<td>HF7125 - 08</td>
<td>HF7150 - 08</td>
</tr>
<tr>
<td>Ø 0.9mm</td>
<td>HF7075 - 09</td>
<td>HF7100 - 09</td>
<td>HF7125 - 09</td>
<td>HF7150 - 09</td>
</tr>
<tr>
<td>Ø 1.0mm</td>
<td>HF7075 - 10</td>
<td>HF7100 - 10</td>
<td>HF7125 - 10</td>
<td>HF7150 - 10</td>
</tr>
<tr>
<td>Ø 1.1mm</td>
<td>HF7075 - 11</td>
<td>HF7100 - 11</td>
<td>HF7125 - 11</td>
<td>HF7150 - 11</td>
</tr>
<tr>
<td>Ø 1.2mm</td>
<td>HF7075 - 12</td>
<td>HF7100 - 12</td>
<td>HF7125 - 12</td>
<td>HF7150 - 12</td>
</tr>
<tr>
<td>Ø 1.3mm</td>
<td>HF7075 - 13</td>
<td>HF7100 - 13</td>
<td>HF7125 - 13</td>
<td>HF7150 - 13</td>
</tr>
<tr>
<td>Ø 1.4mm</td>
<td>HF7075 - 14</td>
<td>HF7100 - 14</td>
<td>HF7125 - 14</td>
<td>HF7150 - 14</td>
</tr>
<tr>
<td>Ø 1.5mm</td>
<td>HF7075 - 15</td>
<td>HF7100 - 15</td>
<td>HF7125 - 15</td>
<td>HF7150 - 15</td>
</tr>
<tr>
<td>Ø 1.6mm</td>
<td>HF7075 - 16</td>
<td>HF7100 - 16</td>
<td>HF7125 - 16</td>
<td>HF7150 - 16</td>
</tr>
<tr>
<td>Ø 1.7mm</td>
<td>HF7075 - 17</td>
<td>HF7100 - 17</td>
<td>HF7125 - 17</td>
<td>HF7150 - 17</td>
</tr>
<tr>
<td>Ø 1.8mm</td>
<td>HF7075 - 18</td>
<td>HF7100 - 18</td>
<td>HF7125 - 18</td>
<td>HF7150 - 18</td>
</tr>
<tr>
<td>Ø 1.9mm</td>
<td>HF7075 - 19</td>
<td>HF7100 - 19</td>
<td>HF7125 - 19</td>
<td>HF7150 - 19</td>
</tr>
<tr>
<td>Ø 2.0mm</td>
<td>HF7075 - 20</td>
<td>HF7100 - 20</td>
<td>HF7125 - 20</td>
<td>HF7150 - 20</td>
</tr>
<tr>
<td>Ø 2.2mm</td>
<td>HF7075 - 21</td>
<td>HF7100 - 21</td>
<td>HF7125 - 21</td>
<td>HF7150 - 21</td>
</tr>
<tr>
<td>Ø 2.5mm</td>
<td>HF7075 - 22</td>
<td>HF7100 - 22</td>
<td>HF7125 - 22</td>
<td>HF7150 - 22</td>
</tr>
</tbody>
</table>

- Supplied sterile packed in packets of 10
- Manufactured from Stainless Steel

**Kirschner Wire Introducing Handle**
- For up to 1.5mm diameter Kirschner wires
- 120mm length

HF5015-12
Information on application;

The Digiband digital tourniquet is manufactured from medical grade silicone, with excellent physical properties. It exceeds ISO 10993 standards for sensitivity and dermal irritation. It has a tensile strength 7.0 N/mm², with an elongation of 400%. It cannot be over-tightened yet effectively produces ischaemia and a bloodless field.

The strip is 10mm wide presenting a broad flat area of pressure and reducing damaging peak pressure. The material cannot roll reducing the surface area. The material is brightly coloured and the time of application can be easily written and recorded on the tourniquet.

The strip does not need to be rolled over the injury site thus avoiding further injury.

The release of the clip automatically loosens the tourniquet even if the strip itself is left in situ. The use of a clip automatically includes the tourniquet into the “count” though the tourniquet itself should also be “counted” and the time of application and removal noted on the records and operation notes. The tourniquet is low profile and unobtrusive avoiding interference with the surgical field.

Yellow silicone strip.
Size: 200mm length x 10mm width

Ordering details:

<table>
<thead>
<tr>
<th>COLOUR</th>
<th>ordering code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>HF-2</td>
</tr>
</tbody>
</table>

- High visibility colour prevents non-removal
- Soft silicone material applying safe pressure
- Simple application
- One size fits all
- Sterile packed CE marked
- Supplied in boxes of 20
Under clinical evaluation three different surgeons applied the silicon strip digital tourniquet as tightly as possible, 33 times to a digit, as the sub-tourniquet pressures were measured. The mean pressure generated was 211 mmHg, the median 209 mmHg, with the SD 45.24, and the range 146-318. The inexperienced trainee generated a mean of 243 mmHg with a range of 38.42 by comparison the experienced surgeons generated a mean of 191 and 201 respectively with ranges of 45 and 34. These figures show that the pressures generated by this tourniquet are not excessive yet sufficient to produce a bloodless field.

Clinical use shows that the tourniquet is easy to use, and effective in producing a bloodless field. There have been no failures. It is low profile and unobtrusive. The tight cord like depression seen after removal of a Penrose drain tourniquet is not seen due to the broad nature of the strip. It has been effective on all digits including toes. The ability to record the tourniquet application time directly on the tourniquet has been beneficial. The bright colour makes it highly visible.

Henk Giele
Hon. Senior Clinical Lecturer Plastic Surgery, University of Oxford

Consultant Plastic Reconstructive and Hand Surgeon, Nuffield Orthopaedic Centre and Oxford Radcliffe Hospitals

Due to the broad nature of the strip, there are no tight cord like depressions left after removal of the tourniquet.

We wish to acknowledge the design & concept contribution in development of this tourniquet of: Henk Giele, Hon. Senior Clinical Lecturer Plastic Surgery, University Oxford.