John Weiss & Son Ltd has built its reputation on the ability to invent and manufacture instruments based on the ideas and requests of surgeons worldwide. The Company’s origins extend back to the 18th Century when John Weiss left Austria for London, forming the Company in 1787. His skills as a Master Cutler and Instrument Maker were soon widely acclaimed, and he received much recognition for his innovation and craftsmanship, including the award of a Royal Warrant as ‘Razor Maker’ to King William IV.

From the original London showroom and workshops to its present location in Milton Keynes, the company has strived to adapt and evolve to the ever changing needs and demands of the modern surgeon and continues to be the leading brand domestically, while successfully exporting to over 40 countries worldwide. Now with the international backing of the Haag-Streit Group of companies, the product range has expanded to over 2500 products encompassing all subspecialties of Ophthalmic Surgery; cataract, corneal, oculoplastic, glaucoma and vitreoretinal, as well as veterinary. John Weiss is also able to provide a range of Middle Ear Surgery instruments.

www.johnweiss.com

John Weiss & Son Ltd
Unit A, Edinburgh Way, Harlow, Essex, CM20 2TT
Tel: +44 (0) 1279 414969  Fax: +44 (0) 1279 635232  Email: sales@johnweiss.com
**Forceps**
Moorfields, non toothed / tying, notched, toothed, Capsulorhexis, Colibri, Cilia, Muscle/Strabismus, Lens, Artery, towel clamps, specialist

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**Needle Holders**
Curved and straight, with or without catch

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**Scissors**
Spring, bow / ribbon. De Wecker, Vannas, Westcott, Williamson-Noble, Corneal, Capsulotomy, Strabismus, Stevens tenotomy, specialist, utility

---

**Choppers & Manipulators**
Choppers & Splitters, Manipulators, Spatula / Repositors, Double ended combinations, Hooks, Vectis

---

**Specula**
Adjustable or Non-adjustable Infant and Adult

---

**Extraocular**

---

**Specialist**
General, Vitreoretinal, Corneal and Refractive, Cataract, Glaucoma, Diamond Knives, Corneal knives, Trephines, Trays. Veterinary: Ophthalmic, Exotic & small animal

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**Single use**
Cannulae, Drapes, Sponges, wipes & wicks, Eye shields and patches, cautery

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See overleaf for a guide on how to use this catalogue
A brief guide on how to use this catalogue

The pages within this catalogue have been designed to help you learn more about our products and their specifications.

Please use the pdf bookmarks on the left to navigate to the correct section.

To find a specific word or product code when using Adobe Acrobat or Reader, select Edit > Find from the application menu.

Example of product detail

Product code number – please specify this number when ordering.

Indicates material used to manufacture product: SS for stainless steel  Ti for titanium.

0101562 SS
Capsulorhexis forceps, round body with standard tips. Standard shaft, 12mm tip to angle, overall length 103mm

Description detailing product physical specification alongside product image. Please note: images are not shown at actual size.

Illustration of the tip detail if required.

NOTE: a product analysis is also included on the following page of some section dividers to help you to understand product parts in more detail.

Product care

Advice on how to care for your product(s) can be found on the Instrument Care page. For the most up-to-date information on how to look after your instruments please refer to the John Weiss website www.johnweiss.com

Repairs

Utilising the skills of the instrument maker, John Weiss provides a repair service for damaged or blunt microsurgical instruments. For more information please contact us on +44(0)1908 340000 or email: sales@johnweiss.com

John Weiss & Son Ltd reserve the right to change specifications without notice.
Forceps
Moorfields, non toothed/tying, notched, toothed, Capsulorhexis, Colibri, Cilia, Muscle/Strabismus, Lens, Artery, towel clamps, specialist

Forceps form an extension of the surgeons fingers enabling secure handling of tissue, suture, intraocular lens etc. They can be used to grasp, hold, pull/push, lift, or tear depending on the tip design and application.
**Forceps anatomy**

- **Plain** - general purpose – removing sutures
- **Serrated** - general purpose – grasping tissue (atraumatic)
- **Platform** – for holding, tying and removing sutures
- **Notched** – for grasping and holding tissue (atraumatic), tying sutures (platform)
- **Toothed** – for grasping and holding tissue including muscle, tying sutures (platform)
- **Straight** – for when access is direct
- **Curved** – for when access is restricted
- **Angled** – for when access is restricted
- **Colibri** – for good visualisation and positioning of tip
- **Cross action** – for maximum opening of tip within small incision
- **Formed** – accommodates natural curvature of crystalline lens

- **Flat** – for good manual grip and control of the tip but may require significant hand, wrist or forearm movement
- **Round** – rotating handle by rolling between fingers allows for ‘micro’ control of the tip with minimum movement
- **Cross action** – opens and closes tips by asserting and releasing pressure – offering ‘micro’ control
Moorfields forceps, straight with standard serrated tips. 14mm platform, overall length 113mm

Moorfields forceps, straight with standard serrated tips. 14mm platform, overall length 113mm

Moorfields forceps, straight with fine serrated tips. 14mm platform, overall length 113mm

Moorfields forceps, straight with fine serrated tips. 14mm platform, overall length 113mm

Moorfields Skov forceps angled with standard tips. 14mm platform, 15mm tips to angle, overall length 110mm
**Forceps – non toothed, tying**

**Plain**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0109030</td>
<td>Weiss slimline forceps, straight with plain tips, overall length 85mm</td>
</tr>
<tr>
<td>0109024</td>
<td>Weiss forceps, straight with plain tips, overall length 85mm</td>
</tr>
<tr>
<td>0101166</td>
<td>Hoskins forceps No.17, straight with plain 0.5mm tips, overall length 93mm</td>
</tr>
<tr>
<td>0101179</td>
<td>Hoskins forceps No.32, straight with plain 0.3mm tips, overall length 88mm</td>
</tr>
<tr>
<td>0101181</td>
<td>Hoskins No 34 Colibri forceps with fine pointed plain tips, no platform, overall length 86mm</td>
</tr>
<tr>
<td>0109428</td>
<td>Ring tipped forceps, atraumatic. Straight with 1.2mm ring and 0.6mm hole, overall length 108mm</td>
</tr>
</tbody>
</table>
Forceps – non toothed, tying

Max Fine forceps, curved with plain tips, overall length 110mm

0101008 SS

Max Fine forceps, curved with plain tips, overall length 110mm

0109422 Ti

Jewellers forceps No.4, straight with plain, fine tips, overall length 106mm

0101373 SS

Jewellers forceps No.7, curved with plain tips, overall length 115mm

0101375 SS

Jewellers forceps No.5, straight with plain, ultra fine tips, overall length 115mm

0101372 SS

Jewellers forceps No.7, curved with plain tips, overall length 115mm

0101374 SS
**Serrated**

- **0101315**  
  Iris forceps, straight with 12mm serrated tips, overall length 99mm

- **0101323**  
  Graefe forceps straight with 12mm serrated tips, overall length 100mm

- **0204132**  
  Adson forceps, straight with 10mm serrated tips, overall length 122mm

- **0101324**  
  Graefe forceps curved, with 10mm serrated tips, overall length 93mm

- **0101313**  
  Iris forceps, 25° curved with 10mm serrated tips, overall length 99mm

- **0101314**  
  Iris forceps, 60° curved with 10mm serrated tips, overall length 99mm

---

*Note: The images depict the forceps with the mentioned characteristics.*
**Forceps – non toothed, tying**

### 4mm Platform
- Weiss slimline forceps, curved with 4mm platform, overall length 83mm
- Weiss slimline forceps, delicate tips, curved with 4mm platform, overall length 83mm

### 5mm Platform
- Birks forceps, straight with 5mm platform, overall length 105mm
- Birks forceps, straight with 5mm platform, overall length 109mm
- Weiss slimline forceps, straight with 5mm platform, overall length 85mm
- Weiss forceps, straight with 5mm platform, overall length 85mm
**Forceps – non toothed, tying**

**Platform**

**5mm Platform continued**

- **0101018** **SS**
  Harms forceps, straight with 5mm platform, 0.5mm tips, overall length 101mm

- **0101020** **SS**
  Harms-Jaffe forceps, straight with 5mm platform, 0.3mm tips, overall length 101mm

- **0109064** **Ti**
  Weiss Colibri forceps with 5mm platform, overall length 86mm

- **0101365** **SS**
  Colibri forceps with 5mm platform, overall length 78mm

- **0101105** **SS**
  Birks forceps, curved with 5mm platform, overall length 105mm

- **0109143** **Ti**
  Birks forceps, curved with 5mm platform, overall length 109mm
**Forceps – non toothed, tying**

**6mm Platform**

- **Stallard forceps, straight with 6mm platform, overall length 111mm**
- **Birks forceps, straight with 6mm platform, ultra fine tips, overall length 109mm**
- **Castroviejo forceps, curved with 6mm platform, delicate tips, overall length 110mm**
- **Catford forceps, straight with 6mm platform, overall length 73mm**
- **Harms-Jaffe forceps, curved with 6mm platform, overall length 100mm**
- **Castroviejo wide handle forceps, straight with 6mm platform, delicate tips, overall length 105mm**
- **Castroviejo forceps, straight with 6mm platform, delicate tips, overall length 110mm**
- **Harms forceps, curved with 6mm platform, overall length 100mm**
- **Harms-Jaffe forceps, curved with 6mm platform, overall length 100mm**
**Forceps – non toothed, tying**

**Platform**

### 7mm Platform continued

- **0101017 SS**
  McPherson forceps, straight with 7mm platform, overall length 89mm

- **0101009 SS**
  Rycroft forceps, straight with 7mm platform, overall length 103mm

- **0101011 SS**
  McPherson forceps, angled with 7mm platform, 7.5mm tip to angle, overall length 91mm

- **010907 Ti**
  McPherson forceps, angled with 7mm platform, 7.0mm tip to angle, overall length 85mm

- **0109149 Ti**
  Birks forceps, angled with 7mm platform, 7.5mm tip to angle, overall length 106mm

- **010906 Ti**
  McPherson forceps, angled with 7mm platform, 10mm tip to angle, overall length 80mm

- **010908 Ti**
  McPherson forceps, angled with 7mm platform, 12mm tip to angle, overall length 81mm

- **010909 Ti**
  McPherson forceps, angled on flat with 7mm platform, 12mm tip to angle, overall length 85mm

- **0109435 Ti**
  Kelman-McPherson forceps, angled with 7.5mm platform, 9mm tip to angle, overall length 108mm

---

**NOTE:** this forcep opens top to bottom
 Alabama forceps, straight with 8mm platform and longitudinal serrations, overall length 101mm

Kelman-McPherson forceps, angled with 10mm platform, 10.5mm tip to angle, overall length 88mm

Kelman-McPherson forceps, angled with 10mm platform, 10.5mm tip to angle, overall length 103mm

Birks forceps, angled with 10mm platform, 10.5mm tip to angle, overall length 106mm

Kelman-McPherson forceps, angled with 12mm platform, 12.5mm tip to angle, overall length 88mm

Kelman-McPherson forceps, angled with 12mm platform, 12.5mm tip to angle, overall length 103mm
Weiss slimline forceps, straight with a 0.25mm notch, 4mm platform, overall length 85mm

Weiss forceps, straight with a 0.25mm notch, 3mm platform, overall length 85mm

Castroviejo forceps, straight with a 0.25mm notch, 6mm platform, overall length 110mm

Weiss forceps, curved with a 0.25mm notch, 4mm platform, overall length 83mm

Birks forceps, angled with a 0.25mm notch, 7mm platform, 8mm tip to angle, overall length 106mm

McPherson forceps, angled with a 0.3mm notch, 7mm platform, 7.5mm tip to angle, overall length 91mm

McPherson forceps, angled with a 0.3mm notch, 7mm platform, 7mm tip to angle, overall length 108mm
Birks Colibri forceps, with a 0.25mm notch, 4mm platform, overall length 108mm

Weiss Colibri Forceps, with a 0.25mm notch, 5mm platform, overall length 86mm

Hoskins No.28 forceps, straight with a 0.25mm notch, overall length 88mm

Hoskins No.10 forceps, straight with a 0.4mm notch, overall length 93mm

Hoskins No.11 forceps, straight with a 0.5mm notch, overall length 93mm

Hoskins No.15 forceps, straight with a 0.3mm notch, overall length 93mm

Hoskins No.28 forceps, straight with a 0.25mm notch, overall length 88mm

Hoskins No.19 forceps, straight with a 0.3mm notch, overall length 88mm

Hoskins No.18 forceps, straight with a 0.5mm notch, overall length 88mm
### Forceps – toothed

#### 0.1mm teeth

- **0109036 Ti**
  - Weiss slimline forceps, straight with 0.1mm forward facing teeth, 5mm platform, overall length 85mm

- **0109065 Ti**
  - Weiss Colibri forceps, with 0.1mm forward facing teeth, 5mm platform, overall length 85mm

#### 0.12mm teeth

- **0101107 SS**
  - Birks forceps, straight with 0.12mm teeth, 5mm platform, overall length 105mm

- **0109144 Ti**
  - Birks forceps, straight with 0.12mm teeth, 5mm platform, overall length 109mm

- **0101075 SS**
  - Bonn forceps, straight with 0.12mm teeth, 6mm platform, overall length 115mm

- **0109013 Ti**
  - Bonn forceps, straight with 0.12mm teeth, 6mm platform, overall length 111mm

- **0109012 Ti**
  - Jayle forceps, straight with 0.12mm teeth, 6mm platform, overall length 118mm

- **0109014 Ti**
  - Bonn forceps, straight with 0.12mm teeth, overall length 72mm

- **0101332 SS**
  - Bonn forceps straight with 0.12mm teeth, overall length 72mm
Weiss slimline forceps, straight with 0.12mm teeth, 4mm platform, overall length 85mm

Weiss forceps, straight with 0.12mm teeth, 5mm platform, overall length 85mm

Castroviejo forceps, straight with 0.12mm teeth, 6mm platform, overall length 110mm

McPherson forceps, angled with 0.12mm teeth, 7mm platform, 14mm tip to angle, overall length 83mm

Birks forceps, angled with 0.12mm teeth, 10mm platform, 10.5mm tip to angle, overall length 106mm

Birks forceps, curved with 0.12mm teeth, 5mm platform, overall length 105mm

Birks forceps, curved with 0.12mm teeth, 5mm platform, overall length 109mm

Weiss forceps, curved with 0.12mm teeth, 5mm platform, overall length 83mm
<table>
<thead>
<tr>
<th>Code</th>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0101111</td>
<td>SS</td>
<td>Birks Colibri forceps with 0.12mm teeth, 5mm platform, overall length 105mm</td>
</tr>
<tr>
<td>0109146</td>
<td>Ti</td>
<td>Birks Colibri forceps with 0.12mm teeth, 4mm platform, overall length 107mm</td>
</tr>
<tr>
<td>0101079</td>
<td>SS</td>
<td>Castroviejo Colibri forceps with 0.12mm teeth, 5mm platform, overall length 105mm</td>
</tr>
<tr>
<td>0109423</td>
<td>Ti</td>
<td>Castroviejo Colibri wide handle forceps with 0.12mm teeth, 5mm platform, overall length 110mm</td>
</tr>
<tr>
<td>0101364</td>
<td>SS</td>
<td>Colibri forceps with 0.12mm teeth, 6mm platform, overall length 74mm</td>
</tr>
<tr>
<td>0109062</td>
<td>Ti</td>
<td>Weiss Colibri forceps with 0.12mm teeth, 5mm platform, overall length 86mm</td>
</tr>
<tr>
<td>0101074</td>
<td>SS</td>
<td>Castroviejo forceps, straight with 0.12mm forward facing teeth, 8mm platform, overall length 113mm</td>
</tr>
<tr>
<td>0101078</td>
<td>SS</td>
<td>Castroviejo wide handle forceps, straight with 0.12mm forward facing teeth, 6mm platform, overall length 105mm</td>
</tr>
<tr>
<td>0109070</td>
<td>Ti</td>
<td>Polack Colibri forceps, 2 pronged for corneal suturing with 0.12mm teeth, 4.5mm platform, overall length 75mm</td>
</tr>
</tbody>
</table>
0.15mm teeth

- Jayle forceps, straight with 0.15mm teeth, 6mm platform, overall length 118mm
- St. Martin forceps, straight with 0.15mm teeth, 6mm platform, overall length 87mm
- St. Martin forceps, straight with 0.15mm teeth, 5mm platform, overall length 88mm
- Catford forceps, straight with 0.15mm teeth, 4mm platform, overall length 70mm
- McPherson forceps, angled with 0.15mm teeth, 7mm platform, 7.5mm tip to angle, overall length 91mm

0.3mm teeth

- Rycroft forceps, straight with 0.3mm teeth, 8mm platform, overall length 104mm
- Jayle forceps, straight with 0.3mm teeth, 6mm platform, overall length 118mm
- Jayle forceps, straight with 0.3mm teeth, 6mm platform, overall length 115mm
0.3mm teeth continued

0101043 SS
St. Martin forceps, straight with 0.3mm teeth, 6mm platform, overall length 87mm

0109172 Ti
St. Martin forceps, straight with 0.3mm teeth, 5mm platform, overall length 88mm

0101049 SS
Castroviejo forceps, straight with 0.3mm teeth, 6mm platform, overall length 99mm

0109425 Ti
Castroviejo forceps, straight with 0.3mm teeth, 6mm platform, overall length 110mm

0101050 SS
Castroviejo forceps, straight with 0.3mm teeth, 6mm platform, overall length 99mm

0109180 Ti
Birks forceps, curved with 0.3mm teeth, 5mm platform, overall length 109mm

0101362 SS
Colibri forceps with 0.3mm teeth, overall length 74mm

0101363 SS
Colibri forceps with 0.3mm teeth, 5mm platform, overall length 74mm

0101046 SS
Castroviejo wide handle forceps, straight with 0.3mm forward facing teeth, 8mm platform, overall length 105mm
0.5mm teeth

- **Castroviejo forceps**, straight with 0.5mm teeth, 6mm platform, overall length 110mm

0.75mm teeth

- **Graefe forceps**, straight with 0.75mm teeth, overall length 73mm

0.9mm teeth

- **Castroviejo wide handle forceps**, straight with 0.9mm forward facing teeth, 8mm platform, overall length 105mm
**Weiss fixation forceps**, straight with 1mm teeth (1 into 2), overall length 115mm

**Francis fixation forceps**, straight with 1mm teeth (2 into 3), overall length 120mm

**Graefe locking fixation forceps**, straight with 4mm wide tip, 6 x 0.7mm teeth, overall length 110mm

**Lister forceps**, straight with 0.65mm forward facing teeth, 12mm platform, overall length 110mm

**Elschnig forceps**, straight with 1.2mm teeth (1 into 2), overall length 109mm
For incision size 1mm - 1.8mm

- **2003100 Ti**
  23G, curved, capsulorhexis forceps, end grasping for sub 1mm incision, overall length 140mm

- **2003102 Ti**
  Gutierrez-C combination curved 23G capsulorhexis forceps/scissors for sub 1mm incision. 0.3mm end grasping forcep lies in front of straight scissor with 2.0mm vertical cutting blade, overall length 140mm

For incision size 1.8mm - 2.0mm

- **0109081 Ti**
  Cross action capsulorhexis forceps with sharp tips. Formed shaft, 14mm tip to angle, overall length 105mm

- **0109083 Ti**
  Cross action round body forceps with sharp tips. Formed shaft, 14mm tip to angle, overall length 115mm

- **0109082 Ti**
  Cross action capsulorhexis forceps with round tips. Formed shaft, 14mm tip to angle, overall length 105mm
For incision size 2mm - 2.5mm

0101569 SS
Capsulorhexis forceps, round body with ultrafine tips. Formed shaft, 9mm tip to angle, overall length 104mm

0101570 SS
Capsulorhexis forceps, wide body with ultrafine tips. Formed shaft, 10mm tip to angle, overall length 105mm

0109136 Ti
Weiss capsulorhexis forceps with ultrafine, serrated tips and 1mm markings along shaft. Formed shaft, 14mm tip to angle, overall length 80mm

For incision size 2.5mm - 2.8mm

0109127 Ti
Inamura round bodied, cross action capsulorhexis forceps with fine tapered tips. Formed shaft, 14mm tip to angle, overall length 110mm

0109129 Ti
Inamura round bodied, cross action capsulorhexis forceps with fine tapered tips. Formed shaft, 13mm tip to angle, overall length 110mm

For incision size 2.8mm+ - with formed shaft

0101563 SS
Capsulorhexis forceps, round body with standard tips. Formed shaft, 12mm tip to angle, overall length 103mm

0109122 Ti
Capsulorhexis forceps, round body with fine tips. Formed shaft, 12mm tip to angle, overall length 105mm
For incision size 2.8mm+ - with formed shaft

Capsulorhexis forceps, round body with sharp tips. Formed shaft, 12mm tip to angle, overall length 105mm

Utrata capsulorhexis forceps with sharp tips. Formed shaft, 12mm tip to angle, overall length 104mm

Weiss capsulorhexis forceps with sharp tips. Formed shaft, 12mm tip to angle, overall length 108mm

Cross action capsulorhexis forceps with sharp tips. Formed shaft, 12mm tip to angle, overall length 108mm

Utrata capsulorhexis forceps with fine tips. Formed shaft, 12mm tip to angle, overall length 104mm

Capsulorhexis forceps, wide body with standard tips. Formed shaft, 12mm tip to angle, overall length 105mm

Weiss capsulorhexis forceps with fine tips. Formed shaft, 12mm tip to angle, overall length 108mm

Cross action capsulorhexis forceps with fine tips. Formed shaft, 12mm tip to angle, overall length 108mm
For incision size 2.8mm+ - with standard shaft

- **0109135**
  Weiss slimline capsulorhexis forceps with sharp, serrated tips. Standard shaft, 14mm tip to angle, overall length 80mm

- **0109444**
  Utrata capsulorhexis forceps with sharp tips. Standard shaft, 12mm tip to angle, overall length 104mm

- **0109120**
  Capsulorhexis forceps, round body with sharp tips. Standard shaft, 12mm tip to angle, overall length 105mm

- **0101562**
  Capsulorhexis forceps, round body with standard tips. Standard shaft, 12mm tip to angle, overall length 103mm

- **0109121**
  Capsulorhexis forceps, round body with fine tips. Standard shaft, 12mm tip to angle, overall length 103mm

- **0109131**
  Weiss slimline capsulorhexis forceps with standard, serrated tips. Standard shaft, 14mm tip to angle, overall length 80mm

- **0109437**
  Utrata capsulorhexis forceps with fine tips. Standard shaft, 12mm tip to angle, overall length 104mm
Cross action capsulorhexis forceps with sharp tips. Standard shaft, 12mm tip to angle, overall length 108mm

Weiss capsulorhexis forceps with sharp tips. Standard shaft, 12mm tip to angle, overall length 108mm

Capsulorhexis forceps, wide body with standard tips. Standard shaft, 12mm tip to angle, overall length 106mm

Weiss capsulorhexis forceps with fine tips. Standard shaft, 12mm tip to angle, overall length 108mm

Cross action capsulorhexis forceps with fine tips. Standard shaft, 12mm tip to angle, overall length 108mm
Hoskins No 34 Colibri forceps with fine pointed plain tips, no platform, overall length 86mm

Colibri forceps with 0.3mm teeth, no platform, overall length 74mm

Birks Colibri forceps, with a 0.25mm notch, 4mm platform, overall length 108mm

Weiss Colibri forceps, with a 0.25mm notch, 5mm platform, overall length 86mm

Weiss Colibri forceps with 5mm platform, overall length 86mm

Colibri forceps with 5mm platform, overall length 78mm

Weiss Colibri forceps, with 0.1mm forward facing teeth, 5mm platform, overall length 85mm

Polack Colibri forceps, 2 pronged for corneal suturing with 0.12mm teeth, 4.5mm platform, overall length 75mm
Castroviejo Colibri wide handle forceps with 0.12mm teeth, 5mm platform, overall length 105mm

Castroviejo Colibri wide handle forceps with 0.12mm teeth, 5mm platform, overall length 110mm

Colibri forceps with 0.12mm teeth, 6mm platform, overall length 74mm

Weiss Colibri forceps with 0.12mm teeth, 5mm platform, overall length 86mm

Colibri forceps with 0.3mm teeth, 5mm platform, overall length 74mm

Birks Colibri forceps with 0.12mm teeth, 5mm platform, overall length 105mm

Birks Colibri forceps with 0.12mm teeth, 4mm platform, overall length 107mm
Whitfield cilia forceps, straight with angled tip. 3mm platform, overall length 91mm

Bennett cilia forceps, straight with 3mm cup tips, overall length 75mm

Cilia forceps, straight with rounded tips. 4mm platform, overall length 78mm

Cross action cilia forceps, angled with rounded tips. 11mm tip to angle, overall length 105mm

Barraquer cilia forceps, angled with rounded tips. 7mm platform, 7mm tip to angle, overall length 85mm

Barraquer cilia forceps, angled with with rounded tips. 8mm platform, 8mm tip to angle, overall length 100mm
| 101592 SS | Troutman superior rectus forceps, angled with 0.5mm teeth. 10mm tip to angle, overall length 105mm |
| 101291 SS | Dastoor rectus forceps, 'S' shaped with 1 into 2 teeth. 10mm tip to angle, overall length 110mm |
| 101396 SS | Jameson strabismus forceps, locking, adult, angled right with 6 x 0.6mm teeth. 13mm tip to angle, overall length 99mm |
| 101394 SS | Jameson strabismus forceps, locking, adult, angled left with 6 x 0.6mm teeth. 13mm tip to angle, overall length 99mm |
| 101397 SS | Jameson strabismus forceps, locking, child, angled right with 4 x 0.6mm teeth. 8mm tip to angle, overall length 99mm |
| 101395 SS | Jameson strabismus forceps, locking, child, angled left with 4 x 0.6mm teeth. 18mm tip to angle, overall length 99mm |
| 101398 SS | Worth strabismus forceps, locking, angled right with 15mm longitudinal serrations. 13mm tip to angle, overall length 100mm |
| 101399 SS | Worth strabismus forceps, locking, angled left with 15mm longitudinal serrations. 13mm tip to angle, overall length 100mm |
| 109531 TI | Federio müllerectomy forceps, 'T' ended with 25mm bar, 12 x 0.8mm interlocking teeth, overall length 105mm |
0101593 SS
IOL folding forceps, angled with grooved paddles. 10mm tip to angle, overall length 108mm

0109440 Ti
IOL folding forceps, angled with grooved paddles and central marker. 8mm tip to angle, overall length 108mm

0109163 Ti
IOL holding forceps, cross action, notch tip, angled with a catch. 25mm tip to angle, overall length 118mm

0109164 Ti
IOL holding forceps, cross action, notch tip, angled, no catch. 25mm tip to angle, overall length 118mm

0109448 Ti
IOL loading forceps, angled with atraumatic rounded tips and jaws, 15mm tip to angle, overall length 105mm

0109449 Ti
IOL loading forceps, straight with atraumatic rounded tips and jaws, 15mm jaws, overall length 110mm
Halstead mosquito forceps, curved with 26mm serrated tips, overall length 125mm

Wells artery forceps, curved with 20mm serrated tips, overall length 95mm

Wells artery forceps, straight with 20mm serrated tips, overall length 95mm

Wells artery forceps, curved with 20mm serrated tips, overall length 95mm
**Towel clamp, cross action, straight, overall length 85mm**

**Towel clamp, non-penetrating, curved, 5mm ball & socket tip, overall length 90mm**

**Rampley’s sponge forceps, straight, 26mm serrated tips, overall length 182mm**

**Backhaus towel clamp, curved, overall length 89mm**
Polack Colibri forceps, 2 pronged for corneal suturing with 0.12mm teeth, 4.5mm platform, overall length 75mm

Scleral plug forceps, cross action, angled tips have a 2mm groove for gripping scleral plug. 8mm tip to angle, overall length 106mm

Watski sleeve forceps, reverse cross action for applying sleeve to retinal bands. Curved tips, overall length 116mm

Felipe fixation forceps, reverse cross action for fixating the eye during phaco. Angled, 12mm tip to angle, overall length 106mm

Serrafine cross action mini clamp, straight. 10mm serrated jaws, overall length 38mm

Serrafine cross action, feather weight, mini clamp, straight. 8mm serrated jaws, overall length 32mm

Serrafine cross action, mini clamp, curved. 16mm serrated jaws, overall length 48mm
Khaw conjunctival ‘T’ ended clamp with smooth, 12mm bar, overall length 86mm

Khaw-Shah conjunctival ‘T’ ended clamp with serrated 4mm bar, overall length 86mm

Adson forceps, straight with 10mm serrated tips, overall length 122mm

Adson forceps, straight with 0.5mm teeth, overall length 122mm
Needle Holders
Curved and straight, with or without catch

Needle holders are used when suturing – allowing the surgeon to both apply the needle at the correct angle to the tissue and achieve the correct depth. Stainless steel needle holders coming into contact with a magnetised surface will become magnetic, making it difficult to release a suture needle, for this reason titanium needle holders are often preferred.
Needle Holder anatomy

**OVERALL LENGTH**

**JAW LENGTH**

**TIPS**

**JAWS**

**HANDES**

- **Fine/micro** – for finest sutures  
ed.g. corneal graft, cataract

- **Standard** – general purpose –  
cataract, trabeculectomy

- **Heavy** – for larger sutures  
ed.g. strabismus, lid

- **Flat** – for good manual grip  
and control of the tip but may  
require significant hand, wrist  
or forearm movement

- **Curved** – may give better visualisation  
of the wound

- **Round** – rotating handle by  
rolling between fingers allows  
for ‘micro’ control of the tip  
with minimum movement

- **Catch option** – this is used  
to lock the jaws in the closed  
position – securing the needle  
during suturing
<table>
<thead>
<tr>
<th>Model</th>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102007</td>
<td>SS</td>
<td>Castroviejo needle holder with a catch. Standard, curved, 10mm jaw, overall length 145mm</td>
</tr>
<tr>
<td>0102008</td>
<td>SS</td>
<td>Castroviejo needle holder with a catch. Heavy, curved, 12mm jaw, overall length 145mm</td>
</tr>
<tr>
<td>0102012</td>
<td>SS</td>
<td>Castroviejo needle holder, wide handle with a catch. Micro, curved, 10mm jaw, overall length 145mm</td>
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<tr>
<td>0102033</td>
<td>SS</td>
<td>Barraquer needle holder, round body with a catch. Fine, curved, 8mm jaw, overall length 140mm (Discontinued)</td>
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<tr>
<td>0109173</td>
<td>Ti</td>
<td>Weiss needle holder, round body with a catch. Fine, curved, 10mm jaw, overall length 124mm</td>
</tr>
<tr>
<td>0102063</td>
<td>SS</td>
<td>Troutman needle holder, round body with a catch. Tapered, curved, 8mm jaw, overall length 118mm</td>
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<tr>
<td>0102069</td>
<td>SS</td>
<td>Barraquer needle holder, round body with a catch. Grooved, curved, 5mm jaw, overall length 135mm</td>
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<td>Code</td>
<td>Material</td>
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<td>-----------------------------------------------------------------------------</td>
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<td>0102009</td>
<td>SS</td>
<td>Castroviejo needle holder, no catch. Standard, curved, 10mm jaw, overall length 145mm</td>
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<tr>
<td>0102010</td>
<td>SS</td>
<td>Castroviejo needle holder, no catch. Heavy, curved, 12mm jaw, overall length 145mm</td>
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<td>0102011</td>
<td>SS</td>
<td>Castroviejo needle holder, wide handle, no catch. Micro, curved, 10mm jaw, overall length 145mm</td>
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<tr>
<td>0102032</td>
<td>SS</td>
<td>Barraquer needle holder, round body, no catch. Fine, curved, 8mm jaw, overall length 140mm</td>
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<tr>
<td>0109174</td>
<td>Ti</td>
<td>Weiss needle holder, round body, no catch. Fine, curved, 10mm jaw, overall length 124mm</td>
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<tr>
<td>0102062</td>
<td>SS</td>
<td>Troutman needle holder, round body, no catch. Tapered, curved, 8mm jaw, overall length 118mm</td>
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<tr>
<td>0109209</td>
<td>Ti</td>
<td>Troutman needle holder, round body, no catch. Micro, tapered, curved, 8mm jaw, overall length 118mm</td>
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</tbody>
</table>
Troutman Ridgeway needle holder, round body, no catch. Fine, curved, 10mm jaw, overall length 125mm

Troutman Tritt needle holder, round body, no catch. Micro, tapered, curved, 10mm jaw, overall length 122mm

Troutman Tritt needle holder, round body, no catch. Heavy, tapered, curved, 10mm jaw, overall length 122mm

Micro needle holder, round body, no catch. Micro, tapered, curved, 8mm jaw, overall length 108mm

Lim’s needle holder, round body, no catch. Micro, curved, 5mm jaw, overall length 120mm

Lim’s needle holder, round body, no catch. Micro, curved 5mm jaw, overall length 120mm
Castroviejo needle holder with a catch. Standard, straight, 10mm jaw, overall length 145mm

Castroviejo needle holder with a catch. Heavy, straight, 12mm jaw, overall length 145mm

Castroviejo needle holder, wide handle with a catch. Micro, straight, 10mm jaw, overall length 145mm

Weiss needle holder, round body with a catch. Fine, straight, 10mm jaw, overall length 124mm

Silcock needle holder with a catch. Heavy, straight, 8mm jaw, overall length 150mm

Kalt needle holder with a catch. Heavy, straight, 8mm jaw, overall length 138mm
Castroviejo needle holder, no catch. Standard, straight, 10mm jaw, overall length 145mm

Castroviejo needle holder, no catch. Heavy, straight, 12mm jaw, overall length 145mm

Castroviejo needle holder, wide handle, no catch. Micro, straight, 10mm jaw, overall length 145mm

Carlson-Troutman needle holder, short round body, no catch. Fine, straight, 8mm jaw, overall length 80mm

Weiss needle holder, round body, no catch. Fine, straight, 10mm jaw, overall length 124mm

Lim’s needle holder, round body, no catch. Micro, straight, 5mm jaw, overall length 120mm
Scissors can be used to cut tissue, sutures, dressings or to divide or separate tissue without cutting (blunt dissection). While scissors can be made from titanium we highly recommend stainless steel as it maintains its cutting edge longer. It is important that the scissor blades are kept sharp and for this reason, John Weiss provide a sharpening service.
Scissors anatomy

**TIPS**

- **Sharp/pointed** – can pierce tissue as well as cut
- **Rounded** – for cutting only

**JAWS**

- **Straight** – good for when direct access is available or when a straight cut is required
- **Curved** – to reach more difficult areas or when a curved cut is required. May allow better visualisation of tips
- **Angled** – enables blades to be positioned at the correct angle to the tissue, particularly useful when excising

**HANDLES**

- **Spring** – a good manual grip with excellent control of the tip means that these are the best choice for delicate work.
- **Bow or ribbon** – traditional design, good utility scissor or for non-delicate excisions such as extraocular. May require significant hand and wrist movement.
- **Hinge** – a time tested design, blades close by squeezing handle together. Generally used for iris excision.
De Wecker Iris Scissors. Angled on flat with sharp tips. Max cutting length 5mm, blade length 8mm, overall length 110mm

De Wecker iris scissors. Angled on flat with sharp tips. Max cutting length 9mm, blade length 12mm, overall length 115mm

De Wecker Iris Scissors. Angled on flat with right tip sharp and left tip rounded. Max cutting length 9mm, blade length 12mm, overall length 115mm

De Wecker Iris Scissors. Angled on flat with left tip sharp and right tip rounded. Max cutting length 9mm, blade length 12mm, overall length 115mm

Barraquer Iris Scissors. Angled on flat with sharp tips. Max cutting length 6mm, blade length 8.5mm, overall length 58mm
Spring Scissors

Vannas – straight

**0103102 SS**
Vannas Scissors, straight with sharp tips. Max cutting length 4mm, blade length 9mm, overall length 86mm

**0103105 SS**
Vannas Scissors, straight with sharp tips. Max cutting length 6mm, blade length 12mm, overall length 89mm

**0109003 TI**
Vannas Scissors, straight with sharp tips. Max cutting length 3mm, blade length 9mm, overall length 95mm

**0109460 TI**
Vannas Scissors, straight with ultrafine, sharp tips. Max cutting length 3mm, blade length 8mm, overall length 110mm

**0103123 SS**
Miniature Scissors, straight with sharp tips. Max cutting length 3mm, blade length 6.5mm, overall length 85mm

**0103129 SS**
Miniature Scissors, straight sharp tips, long handled. Max cutting length 3mm, blade length 9mm, overall length 110mm

**0103143 SS**
Miniature Scissors, straight sharp tips, long handled. Max cutting length 5mm, blade length 12mm, overall length 115mm
Spring Scissors

Vannas – curved

**0103103 SS**
Vannas Scissors, curved with sharp tips. Max cutting length 4mm, blade length 9mm, overall length 87mm

**0103106 SS**
Vannas Scissors, curved with sharp tips. Max cutting length 5mm, blade length 12mm, overall length 89mm

**0109005 Ti**
Vannas Scissors, curved with sharp tips. Max cutting length 4mm, blade length 9mm, overall length 94mm

**0109461 Ti**
Vannas Scissors, curved with ultrafine, sharp tips. Max cutting length 3mm, blade length 6mm, overall length 106mm

**0109462 Ti**
Vannas Scissors, curved with ultrafine sharp tips angled forward. Max cutting length 3mm, blade length 6mm, overall length 106mm

**0103128 SS**
Miniature Scissors, curved with sharp tips. Max cutting length 3mm, blade length 6.5mm, overall length 82mm

**0103122 SS**
Miniature Scissors, angled with sharp tips, angled on flat. Max cutting length 3mm, blade length 9mm, overall length 82mm

**0103124 SS**
Miniature Scissors, angled with sharp tips side cutting. Max cutting length 3mm blade length 9mm, overall length 82mm
Westcott Scissors, curved with rounded tips. Max cutting length 9mm, blade length 23mm, overall length 115mm

McPherson-Westcott Scissors, curved with sharp tips. Max cutting length 6mm, blade length 12mm, overall length 100mm

Westcott Scissors, curved with sharp tips. Max cutting length 9mm, blade length 23mm, overall length 115mm

Westcott Scissors, curved with rounded tips. Wide handle with a max cutting length 12mm, blade length 23mm, overall length 139mm

Westcott Scissors, curved with sharp tips. Wide handle with a max cutting length 12mm, blade length 23mm, overall length 139mm
Williamson-Noble Strabismus Scissors. Straight with rounded tips. Max cutting length 10mm, blade length 27mm, overall length 125mm

Williamson-Noble Strabismus Scissors. Curved with rounded tips. Max cutting length 10mm, blade length 27mm, overall length 125mm

Williamson-Noble Iris Scissors. Curved with sharp tips. Max cutting length 14mm, blade length 27mm, overall length 115mm

Williamson-Noble Iris Scissors. Straight with sharp tips. Max cutting length 14mm, blade length 27mm, overall length 115mm
Castroviejo Corneal Scissors curved with fine rounded tips. Max cutting length 6mm, blade length 12mm, overall length 107mm

Castroviejo Corneal Scissors curved with rounded tips. Max cutting length 9mm, blade length 21mm, overall length 120mm

Castroviejo Corneal Scissors. Miniature, curved, wide handle with sharp tips. Max cutting length 5mm, blade length 14mm, overall length 129mm

**Right or left cutting**

Katzin Corneal Scissors. Angled right cutting with fine rounded tips. Max cutting length 5mm, blade length 10mm, overall length 103mm

Katzin Corneal Scissors. Angled left cutting with fine rounded tips. Max cutting length 5mm, blade length 10mm, overall length 103mm

Troutman-Katzin Corneal Scissors Angled right cutting with rounded tips. Max cutting length 4mm, blade length 9mm, overall length 100mm

Troutman-Katzin Corneal Scissors Angled left cutting with rounded tips. Max cutting length 4mm, blade length 9mm, overall length 100mm
Capsulotomy scissors. Curved with sharp tips. Max cutting length 6mm, blade length 10.5mm, overall length 105mm.

Castroviejo Corneal Scissors Angled right cutting with rounded tips. Max cutting length 8mm, blade length 15mm, overall length 107mm.

Castroviejo Corneal Scissors Angled left cutting with rounded tips. Max cutting length 8mm, blade length 15mm, overall length 107mm.

Capsulotomy scissors. Curved with sharp tips. Max cutting length 6mm, blade length 10.5mm, overall length 105mm.

Capsulotomy scissors round body. Curved with sharp tips. Max cutting length 6mm, blade length 12mm, overall length 122mm.

Ong scissors. Angled on flat with sharp tips. Max cutting length 7mm, blade length 14mm, overall length 90mm.

Ong scissors. Angled on flat with sharp tips. Max cutting length 8mm, blade length 10mm, overall length 95mm.

Gills-Welsh scissors, Angled on flat with sharp tips Max cutting length 6mm, blade length 13mm, overall length 84mm.
### Bow / Ribbon Style Scissors

**Strabismus**

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
<th>Details</th>
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</thead>
<tbody>
<tr>
<td>0103152</td>
<td>Strabismus Scissors, straight with rounded tips. Max cutting length 25mm, blade length 32mm, overall length 115mm</td>
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</tr>
<tr>
<td>0103162</td>
<td>Strabismus Scissors, short shank, straight with rounded tips. Max cutting length 19mm, blade length 28mm, overall length 89mm</td>
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</tr>
<tr>
<td>0103156</td>
<td>Strabismus Scissors, ribbon style, straight with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 110mm</td>
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</tr>
<tr>
<td>0103159</td>
<td>Strabismus Scissors, ribbon style, curved with ultrafine rounded tips. Max cutting length 17mm, blade length 19mm, overall length 98mm</td>
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</tr>
<tr>
<td>0103154</td>
<td>Strabismus Scissors, curved with rounded tips. Max cutting length 20mm, blade length 26mm, overall length 90mm</td>
<td></td>
</tr>
</tbody>
</table>
Stevens Tenotomy Scissors, curved with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 112mm

Stevens Tenotomy Scissors, straight with rounded tips. Max cutting length 16mm, blade length 22mm, overall length 104mm

Stevens Tenotomy Scissors, curved with rounded tips. Max cutting length 19mm, blade length 22mm, overall length 105mm

Stevens Tenotomy Scissors, curved with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 112mm

Stevens Tenotomy Scissors, straight with rounded tips. Max cutting length 26mm, blade length 31mm, overall length 115mm
**Pooley Conjunctival Scissors,** straight, rounded tips. Max cutting length 18mm, blade length 26mm, overall length 90mm

**Pooley Conjunctival Scissors,** straight, rounded tips. Max cutting length 22mm, blade length 30mm, overall length 113mm

**Landolt Iris Scissors,** curved with rounded tips. Max cutting length 19mm, blade length 28mm, overall length 112mm

**Werbs DCR Scissors,** 5mm angled shaft with rounded tips. Max cutting length 23mm, blade length 30mm, overall length 115mm

**Scissors,** straight with sharp tips. Max cutting length 23mm, blade length 30mm, overall length 115mm

**Scissors,** curved with sharp tips. Max cutting length 23mm, blade length 30mm, overall length 115mm
Scissors, straight, short shank with sharp tips. Max cutting length 18mm, blade length 27mm, overall length 90mm

Scissors, curved, short shank with sharp tips. Max cutting length 18mm, blade length 27mm, overall length 90mm

Scissors, straight with sharp tips. Max cutting length 20mm, blade length 29mm, overall length 110mm

Scissors, curved with sharp tips. Max cutting length 20mm, blade length 29m, overall length 110mm

Scissors, curved with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 115mm

Scissors, straight extra long with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 127mm

Scissors, curved, extra long & strong with rounded tips. Max cutting length 24mm, blade length 31mm, overall length 127mm
**Bow / Ribbon Style Scissors**

**Utility**

**0103270 SS**
Weiss Utility Scissors, straight with sharp tips. Max cutting length 16mm, blade length 18mm, overall length 95mm

**0103269 SS**
Weiss Utility Scissors, curved with sharp tips. Max cutting length 16mm, blade length 18mm, overall length 95mm

**0103271 SS**
Scissors, Straight, large ring with sharp tips. Max cutting length 19mm, blade length 28mm, overall length 100mm

**0103272 SS**
Scissors, Curved, large ring with sharp tips. Max cutting length 19mm, blade length 28mm, overall length 98mm

**0103275 SS**
Scissors, Ribbon style, straight with rounded tips. Max cutting length 18mm, blade length 26mm, overall length 103mm

**0103276 SS**
Scissors, Ribbon style, curved with rounded tips. Max cutting length 18mm, blade length 26mm, overall length 102mm
Choppers & Manipulators
Choppers & Splitters, Manipulators, Spatula / Repositors, Double ended combinations, Hooks, Vectis

This group covers a wide variety of instruments commonly called ‘side port’ or ‘second’ instrument. They are mainly used through the paracentesis incision but can also be used through the principle incision. Choppers and splitters are generally used to break up the crystalline lens while manipulators are used to move lens fragments or the intraocular lens (IOL). Other instruments that are of a similar design are hooks, used to atraumatically manipulate the lens or capsular bag; and vectis.
Chopper and Manipulator anatomy

**SHAFT**
A straight, curved and angled shape is designed to position the tip at the correct angle to the tissue or structure to allow maximum efficiency.

A formed shape follows the curvature of the crystalline lens.

**HANDLE**
May be single ended or double ended – offers versatility as can combine two instruments in one.

**TIP**

- **Chopper/Splitter:** used during phacoemulsification (Phaco) chop procedure to manually break up the crystalline lens
- **Manipulator:** used to move lens fragments during Phaco
- **Dialer:** used to position the Intraocular lens implant (IOL)
- **Hook (micro):** designed to ‘push’ or ‘pull’ the iris or lens capsule
- **Vectis:** a traditional instrument designed to support the crystalline lens and aid with its removal during intracapsular cataract extraction procedure
- **Repositor:** used to reposition tissue, usually iris. May also be used to separate adhesions (synechia) between the iris and lens capsule.
Phaco chopper, angled with a 1mm 30° left, offset blade. 10mm tip to angle, overall length 112mm

Koch phaco chopper, angled with a 1mm blade. 10mm tip to angle, overall length 110mm

Phaco chopper, angled with an extra long 1.5mm blade. 10mm tip to angle, overall length 115mm

Green’s phaco chopper, angled. 10mm tip to angle, overall length 115mm

Green’s phaco chopper, angled, for right handed use. 10mm tip to angle, overall length 115mm

Stevens phaco chopper, angled with a dual forward and rear cutting blade. 10mm tip to angle, overall length 120mm

Spalten phaco chopper, angled. 8mm tip to angle, overall length 112mm
Choppers & Splitters

**0109300**  
Small pupil phaco chopper, angled. 10mm tip to angle, overall length 112mm

**0109225**  
Nucleus splitter, angled. 10mm tip to angle, overall length 112mm

**0109227**  
Tamblyn nucleus splitter/ manipulator, angled. 10mm tip to angle, overall length 118mm

**0105138**  
Phaco cleaver, angled. 10mm tip to angle, overall length 125mm

**0105140**  
Akahoshi hybrid pre-chopper, straight, overall length 123mm

**0105141**  
Akahoshi combo pre-chopper, straight, overall length 123mm
Drysdale nucleus manipulator, angled with a paddle tip. 11mm tip to angle, overall length 112mm

Rosen nucleus manipulator, angled with a paddle tip. 10mm tip to angle, overall length 120mm

Microfinger angled, for right handed use. 10mm tip to angle, overall length 118mm

Microfinger angled, for left handed use. 10mm tip to angle, overall length 118mm

Lester lens pusher, straight, overall length 118mm

Lester lens pusher, angled. 10mm tip to angle, overall length 118mm

Joyce manipulator, curved with a horizontal groove in tip, overall length 120mm
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>0105132</td>
<td>Kuglen lens manipulator, straight, overall length 122mm</td>
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<tr>
<td>0105133</td>
<td>Kuglen lens manipulator, angled. 10mm tip to angle, overall length 120mm</td>
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<tr>
<td>0109229</td>
<td>Kuglen lens manipulator, straight, overall length 115mm</td>
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<tr>
<td>0109230</td>
<td>Kuglen lens manipulator, angled. 10mm tip to angle, overall length 115mm</td>
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<tr>
<td>0105135</td>
<td>Graether collar button manipulator, angled. 10mm tip to angle, overall length 120mm</td>
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<tr>
<td>0109231</td>
<td>Jaffe-Bechert nucleus rotator, angled with a horizontal 'Y' tip. 10mm tip to angle, overall length 115mm</td>
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<tr>
<td>0105155</td>
<td>Jaffe-Bechert nucleus rotator, angled with a vertical 'Y' tip. 8mm tip to angle, overall length 110mm</td>
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</table>
Koch manipulator, curved with smooth, flat tip, overall length 115mm

Koch manipulator, curved with smooth, flat tip, overall length 115mm

Spalton reverse dialler, angled. 10mm tip to angle, overall length 115mm

Osher manipulator, angled with ‘Y’ tip. 10mm tip to angle, overall length 115mm

Mushroom manipulator, angled. 10mm tip to angle, overall length 115mm
Gimble spatula angled with 0.25mm diameter smooth, flat tip. 10mm tip to angle, overall length 128mm

Nettleship iris repositor, straight, overall length 130mm

Iris repositor, angled. 14mm tip to angle, overall length 116mm

Troutman cyclodialysis spatula, angled. 15mm tip to angle, overall length 95mm
Raj phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 125mm

Microfinger for left hand plus microfinger for right hand, angled. 10mm tip to angle, overall length 145mm

Microfinger and phaco chopper, angled. 10mm tip to angle, overall length 135mm

Green’s phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 132mm

Phaco chopper and mushroom manipulator, angled. 10mm tip to angle, overall length 135mm

Note: bespoke double ended variations may be available to order
Double ended combinations

0109315  Ti
Jaffe-Bechert 'Y' rotator and mushroom manipulator, angled. 8mm tip to angle, overall length 135mm

0109308  Ti
Triple chopper with 3 cutting edges and mushroom manipulator, angled. 10mm tip to angle, overall length 135mm

0109307  Ti
Nucleus rotator with 'Y' tip and flat rotator, angled. 10mm tip to angle, overall length 140mm

0106042  SS
Castroviejo cyclodialysis/synechia spatula, angled. 10mm x 0.5mm blade and 0.5mm x 15mm blade, overall length 130mm

Note: bespoke double ended variations may be available to order
Sinskey dialing hook, angled. 10mm tip to angle, overall length 120mm

Fenzl hook, angled with 2mm hook. 10mm tip to angle, overall length 115mm

Makool capsule retractor and guide, angled. 13mm tip to angle, overall length 120mm

Hirshman iris hook, angled. 10mm tip to angle, overall length 120mm

Iris hook, angled. 10mm tip to angle, overall length 117mm

Sinskey dialing hook, straight, overall length 120mm
Graefe strabismus hook, straight with 5mm small hook, overall length 138mm

Graefe strabismus hook, straight with 8mm medium hook, overall length 138mm

Graefe strabismus hook, straight with 10mm large hook, overall length 138mm

Moorfields strabismus hook, straight with 8mm hook, overall length 138mm

Chauvasse strabismus hook, straight with 12mm hook, overall length 134mm

Maidstone oculoplastic hook for lateral canthoplasty with fenestration at tip. 13mm hook, overall length 138mm

Assaf muscle hook, adult, flat grooved 7mm hook, overall length 145mm

Assaf muscle hook, child, flat grooved 5mm hook, overall length 145mm
Lens expressor, angled on flat, rounded tip. 10mm tip to angle, overall length 145mm

Kilner hook, straight with a 3mm sharp pointed hook, overall length 140mm

Gilles skin hook small, straight with a 3mm sharp pointed hook, overall length 185mm

Gilles skin hook large, straight with a 4mm sharp pointed hook, overall length 185mm
0108062
Snellen vectis, straight with 8.5mm x 2.5mm oval, overall length 140mm

0108063
Bell Taylor vectis, straight with 7.0mm x 4.5mm oval, overall length 140mm

0108064
Landolt vectis, straight with 5.5mm x 4mm oval, overall length 125mm

0108070
Narrow vectis, straight with 7.5mm x 2.5mm oval, overall length 138mm
Specula
Adjustable or Non-adjustable Infant and Adult

Specula are designed to hold the eyelids apart during surgery allowing adequate access to the eye. They may be adjustable or non-adjustable as well as being designed for a variety of approaches such as temporal or superior.
Specula anatomy

**NON-ADJUSTABLE**

**ADJUSTABLE**

**Open:** allows good access for instruments e.g. Phaco handpiece that might otherwise rest on the top bar of a closed blade making surgery difficult

**Closed:** good hold on eyelids for procedures where the top bar does not cause a problem e.g. trabeculectomy or temporal incision phaco

**Wire:** more comfortable for the patient under local anaesthetic, particularly when used with a sliding wire speculum or a non-adjustable speculum

**Solid:** holds eyelids securely
Barraquer speculum for baby with 12mm closed wire blades. 14mm maximum opening, overall length 30mm

Barraquer speculum for child with 12mm closed wire blades. 15mm maximum opening, overall length 42mm

Barraquer speculum for child with 11mm solid blades. 18mm maximum opening, overall length 40mm

Note: Maximum opening for non-adjustable speculum is measured at rest and may be reduced under lid tension
<table>
<thead>
<tr>
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<th>Material</th>
<th>Description</th>
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<tbody>
<tr>
<td>0104074</td>
<td>SS</td>
<td>Barraquer speculum for adult with 17mm closed wire blades. 16mm maximum opening, overall length 45mm</td>
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<td>0104131</td>
<td>SS</td>
<td>Barraquer speculum for adult with 15mm solid blades. 18mm maximum opening, overall length 38mm</td>
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<td>0104078</td>
<td>SS</td>
<td>Kratz-Barraquer speculum for adult with 13mm open wire blades. 18mm maximum opening, overall length 45mm</td>
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<tr>
<td>0109401</td>
<td>Ti</td>
<td>Kratz-Barraquer speculum for adult with 8mm open wire blades. 18mm maximum opening, overall length 42mm</td>
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<tr>
<td>0104087</td>
<td>SS</td>
<td>Kratz-Barraquer temporal incision speculum for adult with 12mm open wire blades. 18mm maximum opening, overall length 45mm</td>
</tr>
<tr>
<td>0104135</td>
<td>SS</td>
<td>Sauer speculum with 10mm solid blades. 18mm maximum opening, overall length 16mm</td>
</tr>
</tbody>
</table>

Note: Maximum opening for non-adjustable speculum is measured at rest and may be reduced under lid tension.
Clarke speculum for baby with 8mm open blades. 30mm maximum opening, overall length 65mm.

Clarke speculum for child with 12mm open blades. 30mm maximum opening, overall length 70mm.

Jaffe lid retractor, small with 10mm open wire blade, overall length 40mm. Comes as a pair.
Barraquer sliding speculum for adult with 17mm closed wire blades. 25mm maximum opening, overall length 35mm

Kratz-Barraquer sliding speculum for adult with 12mm open wire blades. 25mm maximum opening, overall length 32mm

Pierce sliding speculum for adult with 12mm open wire blades. 25mm maximum opening, overall length 35mm

Clarke speculum for adult with 14mm open blades. 30mm maximum opening, overall length 85mm

Lieberman speculum for adult with 15mm open 'K' wire blades. 45mm maximum opening, overall length 84mm

Discontinued
Specula
Adjustable – Adult

Lieberman speculum for adult with 15mm open ‘K’ wire blades. 40mm maximum opening, overall length 82mm*

Lieberman speculum for adult with 15mm open ‘V’ wire blades. 35mm maximum opening, overall length 82mm*

Lieberman temporal incision speculum for adult with 15mm open ‘K’ wire blades. 35mm maximum opening, overall length 78mm*

Lieberman speculum for adult with 14mm solid blades. 40mm maximum opening, overall length 82mm

Lieberman speculum for adult with 15mm solid blades, suitable for both standard and temporal incision 45mm maximum opening, overall length 75mm (Reversible)

*Aspirating versions are available on request
Specula
Adjustable – Adult

0104141  SS
Knapp speculum for adult with 15mm open wire blades. 33mm maximum opening, overall length 84mm

0104134  SS
Lancaster speculum for adult with 15mm solid blades. 38mm maximum opening, overall length 82mm

0104133  SS
Jaffe lid retractor, large with 15mm open wire blade, overall length 40mm. Comes as a pair.
Extraocular

Extraocular procedures are performed on the external structures of the eye and surrounding tissue (adnexa). These are usually dealt with by Oculoplastic, Strabismus or Orbital specialists and include surgery to the eyelids, extraocular muscles, lacrimal and orbital structures.
How to dismantle and reassemble the take apart Kerrison punch

Sphenoidal punches are designed for cutting the sphenoid bone during dacryocystorhinostomy (DCR) surgery. John Weiss manufacture a specific range of Kerrison punches, referred to as ‘take-apart’, that are specifically designed to be taken apart for ease of cleaning.

**TO DISMANTLE**
Squeeze handle together to close tip, pull hammer down and release the handle. The top bar can now be lifted to clean. Note: the top bar cannot be fully removed from the instrument.

**TO REASSEMBLE**
Hold with tip pointing down. Ensure ejector is pushed fully downwards towards the cutting edge.

Lower the top bar ensuring slots are located correctly then squeeze the handle closed. Finally push the hammer up – locking everything in place.
Green tarsal cyst forceps with 10mm round, serrated plate, overall length 90mm

Birmingham tarsal cyst forceps, with 20mm x 14mm smooth, oval plate, overall length 90mm

Ayres tarsal cyst forceps with 7mm smooth, round plate, overall length 90mm

Desmarres chalazion forceps with 16mm x 11mm smooth, oval plate, overall length 86mm

Desmarres chalazion forceps with 20mm x 10mm smooth, oval plate, overall length 90mm

Desmarres chalazion forceps with 26mm x 15mm smooth, oval plate, overall length 90mm

Desmarres chalazion forceps with 31mm x 20mm smooth, oval plate, overall length 95mm
Lid instruments

Chalazion and Cyst

- **0101426**
  Lambert chalazion forceps with 10mm smooth, round plate, overall length 92mm

- **0101427**
  Lambert chalazion forceps with 15mm smooth, round plate, overall length 98mm

- **0101428**
  Francis chalazion forceps with 16mm x 13mm smooth, oval plate, overall length 98mm

- **0114220**
  Meibomian cyst curette, double ended with 2 x 9mm x 4mm cups, overall length 126mm
Lid instruments

Chalazion and Cyst

- **0114213 SS**
  Sharp spoon size A with 1.5mm round cup, overall length 122mm

- **0114214 SS**
  Sharp spoon size B with 2.0mm round cup, overall length 122mm

- **0114215 SS**
  Sharp spoon size C with 3.0mm x 2.2mm oval cup, overall length 124mm

- **0114216 SS**
  Sharp spoon size D with 3.8mm x 2.7mm oval cup, overall length 124mm

- **0114217 SS**
  Sharp spoon size E with 4.6mm x 3.0mm oval cup, overall length 124mm

- **0114218 SS**
  Sharp spoon size F with 5.7mm x 3.7mm oval cup, overall length 124mm
Lid instruments
Ptosis

0101442  SS
Berke ptosis forceps, locking with 15mm serrated jaws, overall length 110mm

0101444  SS
Berke ptosis forceps, locking with 27mm serrated jaws, overall length 110mm

0114266  SS
Collin lid crease reformer right, with 50mm curved blade, slightly angled down, overall length 115mm

0114265  SS
Collin lid crease reformer left, with 50mm curved blade, slightly angled down, overall length 115mm

0109531  Ti
Federio müllerectomy forceps, ‘T’ ended with 25mm bar, 12 x 0.8mm interlocking teeth, overall length 105mm
**Desmarres entropian forceps right**, with 28mm x 15mm smooth plate, overall length 90mm

**Desmarres entropian forceps left**, with 28mm x 15mm smooth plate, overall length 90mm

**MacCallan entropian lid plate**, smooth, double ended with 1x 20mm and 1x 22mm plates, overall length 112mm

**Jaeger entropian insulated lid plate**, smooth, double ended with 1x 20mm and 1x 20mm plates, overall length 110mm

*Discontinued*
Jameson strabismus forceps, locking, adult, angled right with 6 x 0.6mm teeth. 13mm tip to angle, overall length 99mm

Jameson strabismus forceps, locking, adult, angled left with 6 x 0.6mm teeth. 13mm tip to angle, overall length 99mm

Jameson strabismus forceps, locking, child, angled right with 4 x 0.6mm teeth. 8mm tip to angle, overall length 99mm

Jameson strabismus forceps, locking, child, angled left with 4 x 0.6mm teeth. 18mm tip to angle, overall length 99mm

Worth strabismus forceps, locking, angled right with 15mm longitudinal serrations. 13mm tip to angle, overall length 100mm

Worth strabismus forceps, locking, angled left with 15mm longitudinal serrations, overall length 100mm

Troutman superior rectus forceps, angled with 0.5mm teeth. 10mm tip to angle, overall length 105mm
**Lid instruments**

**Strabismus**

- **Graefe medium strabismus hook, straight with 8mm hook, overall length 138mm**
- **Graefe large strabismus hook, straight with 10mm hook, overall length 138mm**
- **Moorfields strabismus hook, straight with 8mm hook, overall length 138mm**
- **Chauvasse strabismus hook, straight with 12mm hook, overall length 134mm**
- **Dastoor rectus forceps, ‘S’ shaped with 1 into 2 teeth. 10mm tip to angle, overall length 110mm**
Lacrimal & DCR

Silver

0105008
Liebreichs (Bowmans) probes. **Available as a set of 4 or individually as below.**

0105011
Liebreichs (Bowmans) probes, 0000 & 000 double ended, overall length 126mm

0105012
Liebreichs (Bowmans) probes, 00 & 0 double ended, overall length 126mm

0105013
Liebreichs (Bowmans) probes, 1 & 2 double ended, overall length 126mm

0105016
Liebreichs (Bowmans) probes, 3 & 4 double ended, overall length 126mm

0105010 ss
Pigtail probe with fenestration at tip, double ended for right or left use, overall length 140mm

0105033 ss
Nettleship dilator straight with 27mm tapered tip, overall length 110mm

0105034 ss
Nettleship dilator double ended straight with 1x 23mm & 1x 27mm tapered tips, overall length 117mm
Wilder dilator, straight with 20mm fine tapered tip, overall length 112mm

Wilder dilator, straight with 16mm medium tapered tip, overall length 112mm

Lacrical dilator for infant, straight with a 22mm delicate taper, overall length 82mm

Castroviejo dilator, straight, double ended with 1x 18mm and 1x 22mm tapered tips, overall length 138mm

Hays punctum finder 23mm straight, pointed, overall length 125mm

Beigi dilating probe. Fine, double ended with 24mm dilator and 22mm probe, overall length 140mm

Werbs DCR Scissors, 5mm angled shaft with rounded tips. Max cutting length 23mm, blade length 30mm, overall length 115mm
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<thead>
<tr>
<th>Description</th>
<th>Flange diameter &amp; tube length</th>
<th>Material</th>
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</tbody>
</table>

Lester Jones tubes are also available in a frosted version – specify when ordering. Lester Jones tubes can be made to specification and with suture holes, specify flange diameter and length. Sold individually as non-sterile units.

<table>
<thead>
<tr>
<th>Description</th>
<th>Flange diameter &amp; tube length</th>
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<td>0110036  Bevelled polyethylene tube</td>
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<td>Straight  Poly</td>
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## Lacrimal Implants

### Lester Jones sets

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<th>Standard Set</th>
<th>Assorted Set</th>
<th>Special Set</th>
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<td>1 x 3.5mm x 9mm</td>
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<td>2 x Poly tube (4.5mm flange)</td>
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<td>5 x Nylon cleaning rods</td>
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<td>1 x 3.5mm x 17mm</td>
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<tr>
<td>1 x Gold dilator No.1</td>
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<td>1 x Gold dilator No.2</td>
<td>1 x 3.5mm x 15mm angled</td>
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<tr>
<td>2 x Poly tube (4.5mm flange)</td>
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<td>5 x Nylon cleaning rods</td>
<td>2 x Poly tube (4.5mm flange)</td>
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<td>1 x Gold dilator No.2</td>
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### Lester Jones support products

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<tr>
<th>Code</th>
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<tr>
<td>0110045</td>
<td>Nylon cleaning rod</td>
</tr>
<tr>
<td>0110046</td>
<td>Jones gold dilator No.1 double ended 1.7mm and 1.9mm Gold</td>
</tr>
<tr>
<td>0110047</td>
<td>Jones gold dilator No.2 double ended 2.2mm and 2.4mm Gold</td>
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<tr>
<td>0112052</td>
<td>Storage tray with 28 labelled cups for tubes, plus storage for gold dilators, cleaning rods and poly tubes Plastic</td>
</tr>
<tr>
<td>0112055</td>
<td>Sterilisation tray with 28 labelled cups for tubes, plus storage for gold dilators, cleaning rods and poly tubes Aluminium</td>
</tr>
<tr>
<td>0112056</td>
<td>Measuring Scale for measuring both length and diameter with accuracy</td>
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</tbody>
</table>
Weiss intubation set, double ended with 2 x round tipped, straight 185mm bodkins, attached to 300mm of silicone, latex free tubing

DCR intubation bodkin, double ended with 2 x round tipped, angled 44mm bodkins (25mm tip to angle), attached to 500mm of silicone, latex free tubing

DCR intubation bodkin, double ended with 2 x round tipped, straight 44mm bodkins, attached to 300mm of silicone, latex free tubing

Weiss intubation set, double ended with 2 x round tipped, straight 185mm bodkins, attached to 300mm of silicone, latex free tubing

Crawford intubation set, double ended with 2 x olive tipped, straight 152mm bodkins, attached to 300mm of silicone, latex free tubing. Retrieval device included
Killian nasal speculum, adjustable with 50mm blades, maximum opening 30mm, overall length 140mm

Stevenson lacrimal sac retractor, adjustable with 10mm blades each with 3 prongs, maximum opening 20mm, overall length 82mm

Fison retractor with 20mm deep angled blade, 11mm wide, overall length 130mm

Watson orbital retractors, maleable. Available as a set of 4 or individually as below.

Watson maleable orbital retractor, single 8mm x 30mm blade, overall length 152mm

Watson maleable orbital retractor, large with 2x 4mm x 42mm pronged blades, overall length 162mm

Watson maleable orbital retractor, medium with 2x 4mm x 36mm pronged blades, overall length 156mm

Watson maleable orbital retractor, small with 2x 4mm x 24mm pronged blades, overall length 145mm
Retractors, Hooks & Specula

Desmarres lid retractor, large with 15mm blade, overall length 140mm

Desmarres lid retractor, medium with 13mm blade, overall length 140mm

Desmarres lid retractor, small with 12mm blade, overall length 140mm

Jaffe lid retractor, small with 10mm open wire blade, overall length 40mm. Comes as a pair

Jaffe lid retractor, large with 15mm open wire blade, overall length 40mm. Comes as a pair

Knapp retractor, straight with 4 x 5mm rounded, hooked prongs, overall length 133mm

Rollet retractor, straight with 4 x 4mm sharp, hooked prongs, overall length 135mm
Maidstone oculoplastic hook for lateral canthoplasty with fenestration at tip. 13mm hook, overall length 138mm

Assaf muscle hook, adult, flat grooved 7mm hook, overall length 145mm

Assaf muscle hook, child, flat grooved 5mm hook, overall length 145mm

Kilner hook, straight with a 3mm sharp pointed hook, overall length 140mm

Gilles skin hook small, straight with a 3mm sharp pointed hook, overall length 185mm

Gilles skin hook large, straight with a 4mm sharp pointed hook, overall length 185mm
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<thead>
<tr>
<th>Description</th>
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<th>Length</th>
<th>Shape</th>
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<td>Osteotomes</td>
<td>3mm</td>
<td>180mm</td>
</tr>
<tr>
<td>0114144</td>
<td>Osteotomes</td>
<td>4mm</td>
<td>180mm</td>
</tr>
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<td>180mm</td>
</tr>
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<td>Osteotomes</td>
<td>6mm</td>
<td>180mm</td>
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<tr>
<td>0114147</td>
<td>Osteotomes</td>
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Weiss Sphenoidal Punches

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Bite size</th>
<th>Cut direction</th>
<th>Shape</th>
<th>Shaft length</th>
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<tr>
<td>0101487</td>
<td>Weiss sphenoidal punch, fine</td>
<td>2mm</td>
<td>Up</td>
<td>Straight</td>
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<tr>
<td>0101488</td>
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<td>2mm</td>
<td>Down</td>
<td>Straight</td>
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</tr>
<tr>
<td>0101485</td>
<td>Weiss sphenoidal punch</td>
<td>3mm</td>
<td>Up</td>
<td>Straight</td>
<td>140mm</td>
</tr>
<tr>
<td>0101495</td>
<td>Weiss sphenoidal punch, fine with curved cup</td>
<td>3mm</td>
<td>Up</td>
<td>Straight</td>
<td>140mm</td>
</tr>
<tr>
<td>0101490</td>
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<td>3mm</td>
<td>Down</td>
<td>Straight</td>
<td>140mm</td>
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<tr>
<td>0101483</td>
<td>Weiss sphenoidal punch</td>
<td>4mm</td>
<td>Up</td>
<td>Straight</td>
<td>140mm</td>
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<tr>
<td>0101494</td>
<td>Weiss sphenoidal punch, fine</td>
<td>4mm</td>
<td>Up</td>
<td>Straight</td>
<td>140mm</td>
</tr>
<tr>
<td>0101484</td>
<td>Weiss sphenoidal punch</td>
<td>4mm</td>
<td>Down</td>
<td>Straight</td>
<td>140mm</td>
</tr>
<tr>
<td>0101493</td>
<td>Weiss sphenoidal punch, fine</td>
<td>4mm</td>
<td>Down</td>
<td>Straight</td>
<td>140mm</td>
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</table>

Other sized punches may be made to order, please contact us for more information.
<table>
<thead>
<tr>
<th>Code</th>
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<td>2mm</td>
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<td>choose 180mm or 200mm</td>
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</tr>
<tr>
<td>0204155T</td>
<td>Kerrison punch - thin</td>
<td>2mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204158</td>
<td>Kerrison punch - take apart with ejector</td>
<td>2mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204158T</td>
<td>Kerrison punch - thin - take apart with ejector</td>
<td>2mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0104163</td>
<td>Kerrison punch - with ejector</td>
<td>2mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0104163T</td>
<td>Kerrison punch - thin - with ejector</td>
<td>2mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204159</td>
<td>Kerrison punch - take apart with ejector</td>
<td>3mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204159T</td>
<td>Kerrison punch - thin - take apart with ejector</td>
<td>3mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
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<td>Kerrison punch - with ejector</td>
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<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204164T</td>
<td>Kerrison punch - thin - with ejector</td>
<td>3mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204156</td>
<td>Kerrison punch</td>
<td>3mm</td>
<td>down</td>
<td>90 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204156T</td>
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<td>3mm</td>
<td>down</td>
<td>90 degree</td>
<td>choose 180mm or 200mm</td>
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<td>90 degree</td>
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<tr>
<td>0204157T</td>
<td>Kerrison punch - thin</td>
<td>4mm</td>
<td>up</td>
<td>90 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204160</td>
<td>Kerrison punch - take apart with ejector</td>
<td>4mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204160T</td>
<td>Kerrison punch - thin - take apart with ejector</td>
<td>4mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
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<tr>
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<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204161</td>
<td>Kerrison punch - take apart with ejector</td>
<td>5mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204161T</td>
<td>Kerrison punch - thin - take apart with ejector</td>
<td>5mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204166</td>
<td>Kerrison punch - with ejector</td>
<td>5mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204166T</td>
<td>Kerrison punch - thin - with ejector</td>
<td>5mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204162</td>
<td>Kerrison punch - take apart with ejector</td>
<td>6mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
<tr>
<td>0204162T</td>
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<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
<td>0204167</td>
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<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
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<tr>
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<td>6mm</td>
<td>up</td>
<td>40 degree</td>
<td>choose 180mm or 200mm</td>
<td>S S S</td>
</tr>
</tbody>
</table>

Other sized punches may be made to order, please contact us for more information.
Orbital instruments
Downs Rootman Orbital Surgery

**Downs Rootman Orbital Surgery Set**
The set contains 1 or more of each of the instruments listed on pages 88-90. Instrument numbers included in the set are shown in the blue box.
Tray, code number: **0112004**, is recommended.
Please note that all instruments are available individually.

- **0107127**
  Tumour holding forceps, straight with 2mm square, notched jaws, overall length 158mm

- **0107132**
  Tumour holding forceps, straight with fenestrated, cupped jaws, 7mm x 10mm, overall length 160mm

- **0107130**
  Tumour holding hook, 5mm long, 90°, blunt, overall length 160mm

- **0107129**
  Tumour holding hook, 5mm long, 90°, sharp, overall length 160mm

- **0107128**
  Vessel retractor, ‘U’ shaped, 8mm, curved, overall length 150mm

- **0107127**
  Dissector/elevator, curved with 5mm crescent shaped end, overall length 150mm
<table>
<thead>
<tr>
<th>Instrument Description</th>
<th>Code</th>
<th>Quantity</th>
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<td>Dissector/elevator, curved with 4mm circular shaped end, overall length 150mm</td>
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</tr>
<tr>
<td>Dissector/elevator, curved with 3mm circular shaped end, overall length 150mm</td>
<td>0107125</td>
<td>1</td>
</tr>
<tr>
<td>Dissector/elevator, straight with 30° angled, circular shaped end, overall length 150mm</td>
<td>0107124</td>
<td>1</td>
</tr>
<tr>
<td>Retractor, Temporal Fossa, right, curved with 40mm blade, overall length 155mm</td>
<td>0107123</td>
<td>1</td>
</tr>
<tr>
<td>Retractor, Temporal Fossa, left, curved with 40mm blade, overall length 155mm</td>
<td>0107122</td>
<td>1</td>
</tr>
<tr>
<td>Periostial elevator, straight, 5mm wide, slightly curved tip, overall length 150mm</td>
<td>0107121</td>
<td>1</td>
</tr>
<tr>
<td>Periostial elevator, straight, 7.5mm wide, round tip, overall length 150mm</td>
<td>0107120</td>
<td>1</td>
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</tbody>
</table>
**Orbital instruments**
**Downs Rootman Orbital Surgery**

- **0107119**
  - Item: Periostial elevator, straight, double ended, 8mm x 12mm hockey sticks, left & right, overall length 182mm

- **0107118**
  - Item: Skin retractor, 5mm wide, serrated, hook shaped, overall length 30mm

- **0107117**
  - Item: General retractor, curved, 15mm wide, overall length 166mm

- **0107116**
  - Item: General retractor, curved, 8mm wide, overall length 166mm

- **0107115**
  - Item: Retractor, flared end, angled, 14mm x 32mm deep, overall length 160mm

- **0107114**
  - Item: Retractor, angled, 7mm x 16mm deep, overall length 160mm

- **0107113**
  - Item: Retractor, angled, 7mm x 10mm deep, overall length 160mm
Enucleation / Evisceration

- **Trelat enucleation spatula**, straight with a slotted, 18mm cup, overall length 150mm
  - Code: 0106045 SS

- **Mule evisceration scoop**, straight with a 11mm wide, smooth, curved blade, overall length 110mm
  - Code: 0114240 SS

- **Moorfields globe introducer**, with 12mm wide, curved jaws for holding wright globe, overall length 110mm
  - Code: 0114241 SS

- **Elliot evisceration scoop**, straight with a 13mm x 30mm spoon, overall length 146mm
  - Code: 0120303 SS

- **Moorfields globe introducer**
  - Code: 01114325 SS

- **Foster enucleation snare with 26G wire**, overall length 120mm
  - Code: 0114326 SS

- **29G replacement wire for Foster snare**
  - x 2 metres
  - Code: 01114326 SS

- **26G replacement wire for Foster snare**
  - x 2 metres
  - Code: 0114327 SS
Wright Globes are available sterile wrapped in single units from Spring 2017.

<table>
<thead>
<tr>
<th>Code</th>
<th>Diameter</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>7200035</td>
<td>21mm</td>
</tr>
<tr>
<td>7200036</td>
<td>22mm</td>
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</tbody>
</table>
Zoellner suction tube, angled with 45mm tip to angle length, overall length 150mm

Friedman bone nibbler forceps, curved with 2mm x 10mm cup, overall length 135mm

Rollet rugine, straight with 5mm wide tip, overall length 116mm

Rollet rugine & periostial elevator, double ended, 4mm straight rugine & 3mm angled elevator, 4.5mm tip to angle, overall length 158mm

Freer elevator double ended, slightly curved with 1x 4.5mm sharp end & 1x 4.5mm blunt end, overall length 182mm

Traquair periostial elevator, double ended with 1x 3mm wide, 7mm tip to angle & 1x 2mm wide, 5mm tip to angle, overall length 155mm

Howarth periostial elevator & rugine, double ended with 7mm wide, straight elevator & 5mm curved rugine, overall length 215mm
Stallard dissector, double ended, straight with 1x 2mm end and 1x 3mm end, overall length 140mm

Mallet, double headed with 55mm round heads, overall length 210mm

Scalpel handle No. 9 (takes No.11 blades), overall length 115mm

Scalpel handle No. 3 (takes No.15 blades), overall length 120mm

No.11 scalpel blades box of 100

No.15 scalpel blades box of 100
Some specialist areas of surgery such as Corneal, Cataract, Glaucoma, Refractive, Vitreoretinal and Veterinary (Ophthalmic and Small & Exotic animals) require instrumentation specific to the demands of their particular surgery. Please contact us if you don’t see what you want as new instruments are being developed all the time.
Using microsurgical instruments

Although most damage occurs to instruments during processing and cleaning, it is important to make sure that they are also handled correctly during the surgical procedure. Here are some guidelines, please note that these are of a general nature and are not intended to replace any country or institution specific protocol or procedures.

- Always keep microsurgical instruments in a purpose designed tray while not actually in use and never allow them to lay loose together on the trolley.
- Only use trays designed specifically for microsurgical instruments as standard instrument trays may not offer adequate grip for such delicate instruments or may damage them by applying too much pressure in the wrong place.
- Carefully inspect all instruments under magnification before and after use.
- Only people who are trained in the use of microsurgical instruments should handle them e.g. surgeons and specialist practitioners.
- Instruments should only be used for their intended purpose, anything else e.g. cutting a drape with Westcott scissors, may damage them.
- Never pick up instruments by tips or let tips touch anything other than the tissue they are designed for. This prevents both damage to the instrument and injury to the user.
- Do not let the tips touch the trolley drape, it may damage the fine points or teeth, and if the drape has fibres, these may be transferred to the instrument tips.
- When no longer in use, wipe clean with demineralised/sterile water and thoroughly flush through any lumen with cool demineralised/sterile water, this will prevent proteinaceous material from sticking to the instrument.
- Scalpel blades, knives and scissors require particular care
  - if the instrument does not have a blade cover it must be passed between practitioners by the handle so that the cutting edge, and the point, face downwards. This must be done with great care to prevent injury.
  - if available with a blade cover, a knife or scalpel should be passed between practitioners with the blade sheathed and by the handle. The user should then un-sheath the blade, use it, then re-sheath before passing the knife back. Care should still be taken even though the blade is protected.
  - particular care should be taken when removing a blade from a scalpel handle, this should never be done using the fingers, instead artery forceps should be used and the blade removed, angled away from the practitioner’s body.
- Get to know the names of the instruments within a set as well as the specific instruments used for each procedure and the general order in which they are used. Following the procedure will enable anticipation of the next instrument required and give time to locate and prepare it.
- Avoid stainless steel instruments from coming into contact with any magnetised objects as this may transfer to them making their use difficult e.g. suture needles may be difficult to let go of when a stainless steel needle holder becomes magnetised.
- Cleaning and sterilisation should be performed by those qualified to do so. For our most up-to-date guidelines visit www.johnweiss.com
Foreign body needle (sharp 1mm x 7mm) and spud (straight, round 1mm x 24mm) double ended with protective caps, overall length 118mm

Standard 150mm / 6 inch ruler

Castroviejo caliper and rule, double sided with 20mm scale in 0.5mm increments

Adson forceps, straight with 10mm serrated tips, overall length 122mm

Adson forceps, straight with 0.5mm teeth, overall length 122mm
**0101462**  
Serrafine cross action mini clamp, straight.  
10mm serrated jaws, overall length 38mm

**0101463**  
Serrafine cross action, featherweight, mini clamp, straight. 8mm serrated jaws, overall length 32mm

**0101464**  
Serrafine cross action, mini clamp, curved.  
16mm serrated jaws, overall length 48mm

**0103275**  
Good utility scissors for cutting drape, ribbon style, straight with rounded tips. Max cutting length 18mm, blade length 26mm, overall length 103mm

**0103276**  
Good utility scissors for cutting drape, ribbon style, curved with rounded tips. Max cutting length 18mm, blade length 26mm, overall length 102mm
Towel clamp, cross action, straight, overall length 85mm

Towel clamp, non-penetrating, curved, 5mm ball & socket tip, overall length 90mm

Rampley’s sponge forceps, straight, 26mm serrated tips, overall length 182mm

Backhaus towel clamp, curved, overall length 89mm
0101472  ss
Halstead mosquito forceps, straight with 20mm serrated tips, overall length 125mm

0101473  ss
Halstead mosquito forceps, curved with 20mm serrated tips, overall length 125mm

0101474  ss
Wells artery forceps, straight with 20mm serrated tips, overall length 95mm

0101475  ss
Wells artery forceps, curved with 20mm serrated tips, overall length 95mm
Schocket scleral depressor/ indenter with pocket clip. Double ended 1x smooth olive tip 1x smooth 5mm 'T' bar, overall length 137mm

Vitreoretinal flushing system for effective irrigation of V/R instruments, overall length 132mm

Scleral plug forceps, cross action, angled tips have a 2mm groove for gripping scleral plug. 8mm tip to angle, overall length 106mm

Watski sleeve forceps, reverse cross action for applying sleeve to retinal bands. Curved tips, overall length 116mm
1501121 **Ti**
Keratometer, hand held. Proximal diameter 9mm, distal diameter 29mm, overall length 20mm*

1501038 **SS**
Refractive zone marker, crosshair, 8mm, overall length 105mm*

1501126 **Ti**
Refractive radial marker, 8 blade, overall length 126mm*

1501094 **Ti**
Fine-Thornton swivel fixation ring with 15° markings. 13mm diameter with 11 blunt teeth and gap, overall length 135mm*

* Other sizes available on request
Flieringa scleral rings, set of six. One each of 13mm, 15mm, 17mm, 19mm, 21mm and 23mm diameter

Weiss lasik flap lifter, double ended and angled, 1 x sharp pointed and 1 x spatulated. 10mm tip to angle, overall length 135mm

Bristol spatula with 10mm x 15mm depression, overall length 130mm

Flieringa scleral rings, set of six. One each of 13mm, 15mm, 17mm, 19mm, 21mm and 23mm diameter

Silicone punch block with 14mm central depression, overall diameter 30mm

Nischal corneal gauge. Set of three discs with sizes 6.5mm to 19mm in 0.5mm increments
Weiss IOL cutter, with a 2.6mm diameter it effectively and safely cuts foldable IOL's through a small incision, overall length 130mm. Sterilisation tray included.

Weiss capsular tension ring injector, curved, for use with Morcher style CTR's, overall length 152mm

Felipe fixation forceps, reverse cross action for fixating the eye during phaco. Angled, 12mm tip to angle, overall length 106mm

IOL loading forceps, angled with atraumatic rounded tips and jaws, 15mm tip to angle, overall length 105mm

IOL loading forceps, straight with atraumatic rounded tips and jaws, 15mm jaws, overall length 110mm
Kelly punch with protective cap. Squeeze action with 1mm tip for cutting Descemet’s membrane, overall length 130mm

Replacement cap for 0101491 Kelly punch

23G squeeze action trabeculectomy punch with angled 0.6mm cutter, overall length 135mm

Luntz-Dodick trabeculectomy punch with angled, 4 position 1mm cutter, overall length 116mm
Diamond Knives

**Straight**

*Overall length 110mm (not including blade)*

*All Diamond Knives are supplied with a sterilisation tray*

- **0113052**
  - Ti
  - 45° blade, 1mm wide

- **0113053**
  - Ti
  - Trifacet blade, 1mm wide

- **0113054**
  - Ti
  - 30° blade, 1mm wide

- **0113055**
  - Ti
  - 60° lance blade, 1.4mm wide

- **0113056**
  - Ti
  - 90° spear blade (keratome), 1.4mm wide
Overall length 110mm (not including blade)
All Diamond Knives are supplied with a sterilisation tray

Phaco spear (keratome)
- 3.2mm wide 0113072 Ti
- 3.0mm wide 0113073 Ti
- 2.8mm wide 0113074 Ti
- 2.5mm wide 0113075 Ti

Phaco spear (keratome) for clear corneal incision
- 3.2mm wide 0113076 Ti
- 3.0mm wide 0113077 Ti
- 2.8mm wide 0113078 Ti
- 2.5mm wide 0113079 Ti
- 2.2mm wide 0113082 Ti

Nine edged crescent blade
- 3.0mm wide 0113084 Ti
- 2.0mm wide 0113085 Ti
Corneal knives

0114022  SS
Tooke knife, straight with 15mm x 2.5mm crescent blade for corneal scraping or splitting, overall length 115mm

0114025  SS
Desmarres corneal knife medium, straight with 10mm x 4mm hockey stick blade, overall length 130mm

0114026  SS
Desmarres corneal knife medium, straight with 10mm x 4.5mm hockey stick blade, overall length 130mm

0114027  SS
Desmarres corneal knife large, straight with 10mm x 5mm hockey stick blade, overall length 130mm

General Knives

0114197  SS
No.11 sterile scalpel blades box of 100

0114199  SS
No.15 sterile scalpel blades box of 100

0114198  SS
Scalpel handle No. 9 (takes No.11 blades), overall length 115mm

0114200  SS
Scalpel handle No. 3 (takes No.15 blades), overall length 120mm
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<tr>
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<td>Standard trephine 20mm long</td>
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<td>0111078</td>
<td>Standard trephine 20mm long</td>
<td>6.25mm</td>
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<tr>
<td>0111079</td>
<td>Standard trephine 20mm long</td>
<td>6.5mm</td>
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</table>
Trays

**Polymer – removable lid**

**0112013**
Tray holds 10 instruments with silicone finger matting. Outer size W260mm D160mm H25mm. Inner size W250mm D150mm H20mm.

**0112015**
Tray holds 20 instruments with silicone finger matting. Outer size W390mm D265m H25mm. Inner size W380mm D250mm H20mm.

**0112014**
Tray, 2 tier, holds 20 instruments with silicone finger matting. Outer size W260mm D160mm H45mm. Inner size W250mm D150mm H40mm.

**0112019**
Tray, 2 tier, holds 40 instruments with silicone finger matting. Outer size W390mm D270mm H45mm. Inner size W380mm D255mm H40mm.
Tray holds 3 instruments with silicone finger matting. Outer size W175mm D110mm H25mm. Inner size W160mm D100mm H20mm.

Tray holds 1 - 2 instruments with silicone finger matting. Outer size W160mm D70mm H25mm. Inner size W150mm D60mm H20mm.

Tray holds 3 instruments with silicone finger matting. Outer size W200mm D110mm H25mm. Inner size W190mm D100mm H20mm.

Number of instruments per tray is a guide only.
Trays

Metal – removable lid

**0112003**
Tray holds 12 instruments with 3 strips of silicone finger matting. Outer size W220mm D210mm H30mm. Inner size W200mm D200mm H25mm.

**0112002**
Tray holds 20 instruments with 4 strips of silicone finger matting. Outer size W385mm D270mm H30mm Inner size W365mm D260mm H25mm.

**0112004**
Tray with 2 areas. Area 1 holds 20 instruments with 4 strips of silicone finger matting.
Size W280mm D260mm H25mm. Area 2 With silicone finger matting accommodates larger items such as a phaco handpiece, size W260mm D160mm H50mm. Total size of tray outer W510mm D270mm H70mm. Inner W500mm D260mm H65mm.

Number of instruments per tray is a guide only.
VETERINARY OPHTHALMIC INSTRUMENTS

The following section shows basic veterinary surgery sets and recommended additions you may wish to add to a set. Please contact us if you require further information.

John Weiss would like to thank all the staff at the Eye Veterinary Clinic, Leominster, Herefordshire and Iain Cope BSc (VetSc)Hons BVM&S CertAVP(ZooMed) MRCVS for their help and advice in putting together this selection of instrumentation.
Recommended number of instruments per basic set are shown in the blue box.

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</tr>
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<td>0101543</td>
<td>ss1</td>
</tr>
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<td>0204134</td>
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<td>0101473</td>
<td>ss3</td>
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<td>0101464</td>
<td>ss2</td>
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<td>0101462</td>
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<td>0114200</td>
<td>ss1</td>
</tr>
<tr>
<td>0104136V</td>
<td>ss1</td>
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</table>

Cope retractor, adjustable with solid 14mm x 5mm blades. Maximum opening 40mm, overall length 75mm.
<table>
<thead>
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<th>CODE</th>
<th>NAME</th>
<th>FUNCTION</th>
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<td>Francis toothed forceps</td>
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<td>R Mc P K</td>
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<td>0101543</td>
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<td>General use</td>
<td>R Mc P K</td>
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<td>0204132</td>
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<td>General use</td>
<td>R Mc P K</td>
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<td>0101472</td>
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<td>0101473</td>
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<td>0101464</td>
<td>Serrafine clip, curved</td>
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<td>0103204</td>
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<tr>
<td>0103203</td>
<td>Excision scissors, curved with rounded tips</td>
<td>General use</td>
<td>R Mc P K</td>
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<tr>
<td>0104136V</td>
<td>Cope retractor, screw action</td>
<td>Self retaining</td>
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<tr>
<td>0112014</td>
<td>Instrument tray 260mm x 160mm x 45mm</td>
<td>Holds approx. 20 instruments</td>
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<tr>
<td>0114200</td>
<td>Scalpel blade handle #3</td>
<td>for No.15 blades</td>
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* Recommended number of instruments per basic set

**ANIMAL KEY:** Rabbit (R)  Macaw (Mc)  Puppy (P)  Kitten (K)  Hamster (H)  Budgerigar (B)  Snake (S)  Mouse (M)

SEE FOLLOWING PAGES FOR RECOMMENDED ADDITIONS TO THE BASIC SET
**Small & exotic animal surgery**

### Micro Extras

Addition of the following will allow for surgery on smaller animals such as budgerigars, hamsters and mice

<table>
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<tr>
<td>0101047</td>
<td>Castroviejo toothed forceps</td>
<td>General use</td>
<td>H B</td>
<td>1</td>
<td>17</td>
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<tr>
<td>0101015</td>
<td>Castroviejo platform forceps</td>
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<td>H B</td>
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<td>7</td>
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<tr>
<td>0101474</td>
<td>Wells artery forceps, straight</td>
<td>Haemostasis</td>
<td>H B</td>
<td>2</td>
<td>29</td>
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<td>0101475</td>
<td>Wells artery forceps, curved</td>
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<td>H B</td>
<td>2</td>
<td>29</td>
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<tr>
<td>0103227</td>
<td>Scissors, straight with sharp pointed tips</td>
<td>General use</td>
<td>All</td>
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<tr>
<td>0104135</td>
<td>Sauer spring speculum</td>
<td>Self retaining</td>
<td>H B</td>
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</table>

* Recommended number of instruments required

### Miscellaneous Extras – Disposables

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<td>Swabsticks 5/pkt</td>
<td>20/box</td>
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<td>0111008</td>
<td>Swab strips 10/pkt</td>
<td>20/box</td>
<td>All</td>
<td>125</td>
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<td>0111122</td>
<td>Disposable low heat cautery</td>
<td>10/box</td>
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<td>1601095</td>
<td>Mini drape 400x400mm</td>
<td>10/box</td>
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<td>1601071</td>
<td>Medium drape with bag</td>
<td>10/box</td>
<td>R Mc P K</td>
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**ANIMAL KEY:** Rabbit (R)  Macaw (Mc)  Puppy (P)  Kitten (K)  Hamster (H)  Budgerigar (B)  Snake (S)  Mouse (M)
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<td>Attach string to make adjustable</td>
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<tr>
<td>0104132</td>
<td>Jaffe retractors, pair of small</td>
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<td>H B</td>
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<td>0103106</td>
<td>Vannas scissors, curved</td>
<td>Ultra fine</td>
<td>H B</td>
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<td>Vannas scissors, straight</td>
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<td>HB</td>
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<td>Westcott scissors, curved with wide handle and rounded tips</td>
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<td>Castroviejo needle holder, with straight heavy jaws, locking</td>
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<td>0107013</td>
<td>Desmarres retractor, medium 13mm blade</td>
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<td>Knapp retractor with 4 blunt prongs</td>
<td>Tissue retractor</td>
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<td>Rollet retractor with 4 sharp prongs</td>
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<td>0107092</td>
<td>Fison retractor with 20mm blade</td>
<td>Deep retraction</td>
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<td>Zoellner suction tube, fine</td>
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<td>Irrigation of sinuses, ducts etc</td>
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<td>Curette</td>
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<tr>
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<td>Curette</td>
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<td>All</td>
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<td>Curette</td>
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<td>Mallet</td>
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<td>Rollet double ended ruginie / periostial elevator</td>
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<td>Freer double ended sharp / blunt peristel elevation</td>
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<td>Tray 250x150x20mm for approx 10 instruments</td>
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</table>
For general surgery including lids, entropian/ectropian, 3 snip and removal of lid lesions

<table>
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<tr>
<td>0101073</td>
<td>St Martin forceps 0.15mm teeth</td>
<td>Tissue holding e.g. conjunctiva</td>
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<td>St Martin forceps 0.3mm teeth</td>
<td>Tissue holding</td>
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<td>Castroviejo forceps 0.5mm teeth, wide handled</td>
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<td>Castroviejo needle holder, curved, no catch</td>
<td>General suturing</td>
<td>34</td>
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<td>0103178</td>
<td>Stevens tenotomy scissors, straight with rounded tips</td>
<td>General use</td>
<td>47</td>
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<td>0103179</td>
<td>Stevens tenotomy scissors, curved with rounded tips</td>
<td>General use</td>
<td>47</td>
</tr>
<tr>
<td>0103182</td>
<td>Westcott scissors, curved with rounded tips</td>
<td>General use spring scissors</td>
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<td>0103270</td>
<td>Fine sharp scissors</td>
<td>Punctum 3-snip</td>
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<td>0105036</td>
<td>Lacrimal dilator</td>
<td>Punctum finder/dilator</td>
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<td>Lid plate</td>
<td>Stabilise lid e.g. entropian surgery</td>
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<td>Chalazion clamp (Birmingham)</td>
<td>Excision chalazion/ lid lumps</td>
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<td>Scalpel blade handle #3</td>
<td>For #15 blades</td>
<td>94</td>
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<tr>
<td>0114198</td>
<td>Scalpel blade handle #9</td>
<td>For #11 blades</td>
<td>94</td>
</tr>
<tr>
<td>0101474</td>
<td>Wells artery forceps, straight</td>
<td>Haemostasis</td>
<td>29</td>
</tr>
<tr>
<td>0101475</td>
<td>Wells artery forceps, curved</td>
<td>Haemostasis</td>
<td>29</td>
</tr>
<tr>
<td>0103275</td>
<td>Utility scissors</td>
<td>Cutting drape etc.</td>
<td>50</td>
</tr>
<tr>
<td>0108084</td>
<td>Bishop Harmon set (bulb &amp; cannula)</td>
<td>Irrigating cornea</td>
<td>117</td>
</tr>
</tbody>
</table>

Extras – the following instruments may be substituted or added to the extraocular set according to surgeon preference and range of surgery performed

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
<th>FUNCTION</th>
<th>Page No</th>
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</thead>
<tbody>
<tr>
<td>0101543</td>
<td>Moorfields serrated forceps</td>
<td>General purpose forceps</td>
<td>1</td>
</tr>
<tr>
<td>0204134</td>
<td>Adsons toothed forceps</td>
<td>General use</td>
<td>17</td>
</tr>
<tr>
<td>0204132</td>
<td>Adsons serrated forceps</td>
<td>General use</td>
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<tr>
<td>0294147</td>
<td>Backhaus towel clip</td>
<td>Fixing drape etc</td>
<td>30</td>
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<tr>
<td>0104142</td>
<td>Lieberman K wire speculum</td>
<td>Adjustable lid speculum</td>
<td>67</td>
</tr>
<tr>
<td>0101589</td>
<td>Towel clamp</td>
<td>Fixing drape etc</td>
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<td>0101472</td>
<td>Halsted Mosquito forceps, straight</td>
<td>Haemostasis</td>
<td>29</td>
</tr>
<tr>
<td>0101473</td>
<td>Halsted Mosquito forceps, curved</td>
<td>Haemostasis</td>
<td>29</td>
</tr>
<tr>
<td>0101464</td>
<td>Serrafine clip, curved</td>
<td>Suture gripping</td>
<td>31</td>
</tr>
<tr>
<td>0101462</td>
<td>Serrafine clip, fine, straight</td>
<td>Suture gripping</td>
<td>31</td>
</tr>
<tr>
<td>0109522</td>
<td>Scleral indentor/depressor</td>
<td>Examination retina/retinal breaks</td>
<td>99</td>
</tr>
<tr>
<td>0101265</td>
<td>Bennett cilia forceps</td>
<td>Epilation</td>
<td>26</td>
</tr>
<tr>
<td>0120283</td>
<td>Caliper &amp; rule</td>
<td>Accurate measurement</td>
<td>95</td>
</tr>
<tr>
<td>0102002</td>
<td>Castroviejo needle holder, straight, locking</td>
<td>Suturing</td>
<td>36</td>
</tr>
<tr>
<td>0102005</td>
<td>Castroviego needle holder, with straight heavy jaws, locking</td>
<td>Suturing</td>
<td>36</td>
</tr>
</tbody>
</table>
Veterinary Ophthalmic Instruments

Intraocular

0101073  SS
0103179  SS
0101015  SS
0104083  SS
0101009  SS
0101564  SS
0109316  Ti
0109222  Ti
0109301  Ti
0103019  SS
0103020  SS
0103040  SS
0103083  SS
0102064  SS
0108062  SS
0105074  SS
0108084  SS
### Veterinary Ophthalmic Instruments

#### Intraocular

For intraocular surgery such as cataract extraction, also suitable for corneal surgery

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
<th>FUNCTION</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td>0101073</td>
<td>St Martin forceps 0.15mm teeth</td>
<td>Tissue holding e.g. cornea</td>
<td>15</td>
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<tr>
<td>0101079</td>
<td>Castroviejo colibri forceps 0.12mm teeth</td>
<td>Tissue holding</td>
<td>14</td>
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<tr>
<td>0101015</td>
<td>Castroviejo forceps with platform</td>
<td>Suture tying</td>
<td>7</td>
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<tr>
<td>0104083</td>
<td>Kratz barraquer speculum</td>
<td>Sliding / adjustable</td>
<td>66</td>
</tr>
<tr>
<td>0101009</td>
<td>Rycroft forceps, straight</td>
<td>For IOL cartridge loading</td>
<td>8</td>
</tr>
<tr>
<td>0101564</td>
<td>Utrata forceps</td>
<td>Capsulorhexis</td>
<td>23</td>
</tr>
<tr>
<td>0109316</td>
<td>Mushroom manipulator</td>
<td>Controling lens nucleus/phaco</td>
<td>55</td>
</tr>
<tr>
<td>0109222</td>
<td>Drysdale manipulator</td>
<td>Controling lens nucleus/phaco</td>
<td>53</td>
</tr>
<tr>
<td>0109301</td>
<td>Phaco chopper</td>
<td>Phaco chop technique</td>
<td>51</td>
</tr>
<tr>
<td>0103019</td>
<td>Katzin corneal scissors</td>
<td>Right cutting</td>
<td>44</td>
</tr>
<tr>
<td>0103020</td>
<td>Katzin corneal scissors</td>
<td>Left cutting</td>
<td>44</td>
</tr>
<tr>
<td>0103040</td>
<td>Castroviejo corneal scissors</td>
<td>Miniature corneal scissors</td>
<td>44</td>
</tr>
<tr>
<td>0103083</td>
<td>Long curved vannas scissors</td>
<td>Capsulotomy</td>
<td>45</td>
</tr>
<tr>
<td>0102064</td>
<td>Troutman Tritt needle holder, curved no catch</td>
<td>Suturing</td>
<td>35</td>
</tr>
<tr>
<td>0108062</td>
<td>Snellen Vectis</td>
<td>Lens support/removal</td>
<td>62</td>
</tr>
<tr>
<td>0105074</td>
<td>Graefe hook</td>
<td>Lens expressor</td>
<td>60</td>
</tr>
<tr>
<td>0108084</td>
<td>Bishop Harmon set (bulb &amp; cannula)</td>
<td>Irrigating cornea</td>
<td>117</td>
</tr>
</tbody>
</table>

**Extras** – the following instruments may be substituted or added to the intraocular set according to surgeon preference and range of surgery performed. For other alternatives please see main catalogue.

<table>
<thead>
<tr>
<th>CODE</th>
<th>NAME</th>
<th>Function</th>
<th>Page No</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102011</td>
<td>Castroviejo needle holder curved, no catch</td>
<td>Fine</td>
<td>34</td>
</tr>
<tr>
<td>0103066</td>
<td>Vannas scissors, curved</td>
<td>Ultra fine</td>
<td>41</td>
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<tr>
<td>0103010</td>
<td>Vannas scissors, straight</td>
<td>Ultra fine</td>
<td>40</td>
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<tr>
<td>0103085</td>
<td>Ongs scissors, angled</td>
<td>Capsulotomy</td>
<td>45</td>
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<tr>
<td>0109310</td>
<td>Chopper extra long</td>
<td>Phaco chop technique</td>
<td>51</td>
</tr>
<tr>
<td>0109135</td>
<td>Weiss standard capsulorhexis forceps</td>
<td>Capsulorhexis</td>
<td>22</td>
</tr>
</tbody>
</table>

Single use items such as swab sticks, drapes and knives are also available from John Weiss please see the Single Use section, pages 121-128 for our full range or contact us at sales@johnweiss.com

Storing your micro instruments in purpose designed trays will protect your investment. See pages 108-110 for the full range of John Weiss sterilisation trays.
Some surgical items would be hard to decontaminate and re-sterilise such as items with a lumen (cannula), swabs, drapes etc. These are therefore supplied as sterile packaged, single use items. In some instances it may be useful to have single use instruments such as when patients have highly contagious conditions.
Caring for your John Weiss diamond knife – how to use a diamond knife cleaning block

John Weiss diamond knives have the finest surgical cutting edge currently available, however they are extremely delicate and should be handled with great care.*

Normal use does not cause any deterioration of the cutting edge, only incorrect handling, such as letting the knife come into contact with other instruments, may damage it. Take care never to touch the cutting edge as it is extremely sharp. Always keep the diamond retracted in the handle when not in use and during sterilisation.

The use of a diamond knife cleaning block is recommended to remove sticky residue from the blade such as viscoelastic. This should be done as soon as possible after use as it maybe difficult to remove once it has dried – a ‘dirty’ blade may seem blunt.

Moisten one end of the diamond knife cleaning block with demineralised or sterile water, leaving one half dry. Carefully stab the diamond blade vertically into the moistened portion several times. Take great care not to apply any sideways pressure as that might snap the blade, particularly when cleaning an angled blade. The diamond is now clean and should be gently stabbed vertically several times into the dry portion of the block to dry and polish it – again take care not to apply any sideways pressure. Finally retract the diamond into the handle and replace in its tray.

For full guidelines including Ultrasonic Cleaning & Disinfection and Sterilisation, please refer to the ‘Care, Maintenance & Reprocessing Guidelines for John Weiss Diamond Knives’ supplied with each new diamond knife and also available to view on www.johnweiss.com

* Please note that the advice given here is intended as a quick guide only and does not replace the validated ‘Care, Maintenance & Reprocessing Guidelines for John Weiss Diamond Knives’ supplied with each new diamond knife and available to view at www.johnweiss.com
<table>
<thead>
<tr>
<th>COLOUR</th>
<th>GUAGE</th>
<th>ID (mm)</th>
<th>ID (inches)</th>
<th>OD (mm)</th>
<th>OD (inches)</th>
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</thead>
<tbody>
<tr>
<td>Cream</td>
<td>19G</td>
<td>.70</td>
<td>.028</td>
<td>1.10</td>
<td>.043</td>
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<tr>
<td>Green</td>
<td>21G</td>
<td>.51</td>
<td>.020</td>
<td>.80</td>
<td>.032</td>
</tr>
<tr>
<td>Blue</td>
<td>23G</td>
<td>.33</td>
<td>.013</td>
<td>.60</td>
<td>.025</td>
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<tr>
<td>Orange</td>
<td>25G</td>
<td>.25</td>
<td>.010</td>
<td>.50</td>
<td>.020</td>
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<tr>
<td>Brown</td>
<td>26G</td>
<td>.25</td>
<td>.010</td>
<td>.45</td>
<td>.018</td>
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<tr>
<td>Grey</td>
<td>27G</td>
<td>.20</td>
<td>.008</td>
<td>.40</td>
<td>.016</td>
</tr>
<tr>
<td>Natural*</td>
<td>30G</td>
<td>.15</td>
<td>.006</td>
<td>.30</td>
<td>.012</td>
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</tbody>
</table>

*Cannulae hubs comply with ISO6009 colour coding

*Not an ISO colour code

Discontinued
### Cannulae

<table>
<thead>
<tr>
<th>Sterile. Individually wrapped, 10/box</th>
<th>Gauge</th>
<th>Shaft</th>
<th>Tip to angle</th>
<th>Length*</th>
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**Anaesthetic**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
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<th>Shaft</th>
<th>Tip to angle</th>
<th>Length*</th>
</tr>
</thead>
<tbody>
<tr>
<td>0181275</td>
<td>Retrobulbar Atkinson needle very sharp</td>
<td>25</td>
<td>straight</td>
<td>38mm</td>
<td>SS</td>
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<tr>
<td>0181637</td>
<td>Retrobulbar Atkinson needle</td>
<td>25</td>
<td>straight</td>
<td>38mm</td>
<td>SS</td>
</tr>
<tr>
<td>0181638</td>
<td>Retrobulbar Atkinson needle</td>
<td>23</td>
<td>straight</td>
<td>38mm</td>
<td>SS</td>
</tr>
<tr>
<td>0185027</td>
<td>Peribulbar Atkinson needle</td>
<td>25</td>
<td>straight</td>
<td>22mm</td>
<td>SS</td>
</tr>
<tr>
<td>0185108</td>
<td>Peribulbar Atkinson needle</td>
<td>25</td>
<td>straight</td>
<td>32mm</td>
<td>SS</td>
</tr>
<tr>
<td>0185176</td>
<td>Sub-Tenon’s cannula</td>
<td>19</td>
<td>curved</td>
<td>25mm</td>
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**Anterior chamber cannula**

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<thead>
<tr>
<th>Code</th>
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<th>Shaft</th>
<th>Tip to angle</th>
<th>Length*</th>
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</thead>
<tbody>
<tr>
<td>0181273</td>
<td>Rycroft</td>
<td>30</td>
<td>angled</td>
<td>4mm</td>
<td>22mm</td>
</tr>
<tr>
<td>0181274</td>
<td>Rycroft</td>
<td>27</td>
<td>angled</td>
<td>4mm</td>
<td>22mm</td>
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**Hydrodissectors**

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<thead>
<tr>
<th>Code</th>
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<th>Gauge</th>
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<th>Tip to angle</th>
<th>Length*</th>
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<tbody>
<tr>
<td>0185037</td>
<td>Hydrodissector with flattened tip</td>
<td>25</td>
<td>angled</td>
<td>8mm</td>
<td>22mm</td>
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**Cystotome**

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<tr>
<th>Code</th>
<th>Name</th>
<th>Gauge</th>
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<th>Tip to angle</th>
<th>Length*</th>
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</thead>
<tbody>
<tr>
<td>0181502</td>
<td>Cystotome</td>
<td>25</td>
<td>formed</td>
<td>16mm</td>
<td>SS</td>
</tr>
<tr>
<td>0181602</td>
<td>Cystotome, side cutting</td>
<td>25</td>
<td>formed</td>
<td>16mm</td>
<td>SS</td>
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<tr>
<td>0181618</td>
<td>Cystotome</td>
<td>27</td>
<td>formed</td>
<td>16mm</td>
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**Irrigation/Aspiration**

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<tr>
<th>Code</th>
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<tr>
<td>0185047</td>
<td>Simcoe 0.3mm port, with tubing</td>
<td>23</td>
<td>curved</td>
<td>16mm</td>
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**Lacrical**

<table>
<thead>
<tr>
<th>Code</th>
<th>Name</th>
<th>Gauge</th>
<th>Shaft</th>
<th>Tip to angle</th>
<th>Length*</th>
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</thead>
<tbody>
<tr>
<td>0181276</td>
<td>Lacrical</td>
<td>26</td>
<td>curved</td>
<td>30mm</td>
<td>SS</td>
</tr>
<tr>
<td>0181615</td>
<td>Lacrical</td>
<td>21</td>
<td>curved</td>
<td>35mm</td>
<td>SS</td>
</tr>
</tbody>
</table>

* Does not include plastic hub
Cannulae

Simcoe cannula 23G with 0.3mm port. Co-axial, curved, 30mm overall length, comes with tubing and female connector attached

DOUBLE-ENDED CANNULA HOLDER, STRAIGHT WITH 1 x MALE Luer SLIP CONNECTOR AND 1 x FEMALE Luer SLIP CONNECTOR. OVERALL LENGTH 90MM

Bishop-Harmon topical irrigation set comprising silicone bulb, connector and 19G cannula. All parts can be purchased separately – as right

Silicone bulb 55mm x 25mm

Bishop-Harmon angled cannula 19G. 6mm tip to angle. Overall length 40mm

Southampton angles cannula 19G. 5mm tip to angle. Overall length 50mm
Ophthalmic drape, medium, non-woven, incise with bag and wick.
Overall size: W 1300mm x L 1150mm
Incise area: W 100mm x L 80mm
Fluid bag: W 200mm x L 300mm

Ophthalmic drape, medium, plastic, incise with bag and wick.
Overall size: W 1000mm x L 1270mm
Incise area: W 115mm x L 90mm
Fluid bag: W 530mm x L 300mm

Ophthalmic drape mini, plastic, incise.
Overall size: W 400mm x L 400mm
Incise Area: W 115mm x L 90mm
Sponges, wipes & wicks

Sterile wrapped

WeissCEL spears - cellulose spears 7mm x 15mm on sticks. 70mm overall length. 10 spears/packet; 20 packets/box

Sugi swabs - cellulose triangles 7mm x 16mm. 10 swabs/packet; 20 packets/box

Sugi spears - cellulose triangles 7mm x 16mm on sticks. 70mm overall length. 10 spears/packet; 20 packets/box

Sugi strips - cellulose rectangles 7mm x 35mm. 10 swabs/packet; 20 packets/box

Discontinued
Sponges, wipes & wicks

**Sterile wrapped**

**1701006**
WeissCEL eye wicks - **fibre free** PVA strip
3mm x 170mm. 2 wicks/packet; 10 packets/box

**1701004**
WeissCEL eye wick with bag - **fibre free**
PVA strip 3mm x 170mm with 80cc (ml) bag
with adhesive strip. 1 wick & bag/packet;
10 packets/box

**1701012**
WeissCEL spears - **fibre free** PVA spears
7mm x 16mm on sticks. 70mm overall length.
5 spears/packet; 20 packets/box

**1701013**
WeissCEL spears - **fibre free** PVA spears
7mm x 16mm on sticks. 70mm overall length.
10 spears/packet; 20 packets/box

**1701010**
WeissCEL Instrument wipe - **fibre free**
PVA square 64mm x 64mm. 1 wipe/packet;
20 packets/box

**1701009**
WeissCEL Diamond Knife Cleaning Block - **fibre free**
PVA block 42mm x 18mm x 10mm.
1 block/packet; 10 packets/box
Eye shields and patches

- **Universal eye shield adult**, 78mm x 64mm, fits both right and left eye. Sterile, 1 shield/packet; 100 packets/box

- **Eye Shield adult**, 84mm x 62mm for right eye. Sterile, 1 shield/packet; 100 packets/box

- **Eye Shield adult**, 84mm x 62mm for left eye. Sterile, 1 shield/packet; 100 packets/box

- **Eye patch adult**, black silk with elastic, 70mm x 60mm, fits both right and left eye. Non-sterile, 10 shields/box
011122
Weiss cautery, low heat, temperature at activation 704˚C (1300˚F). Overall length 125mm without cap – 147mm with cap. 1 cautery/packet; 10 packets/box

0120133
Epilation needles straight, 0.125mm x 8mm tip, 20mm overall length, for use with electrolysis unit (unit not available). Sterile wrapped individually, 50/box
INSTRUMENT CARE

Each John Weiss instrument is hand crafted with meticulous care and has to pass a final 100% inspection before being released. By following the Reprocessing Instructions provided with each new instrument and by correct handling, you will protect your investment and ensure that your John Weiss instruments remain in prime condition for many years.

Care of delicate surgical instruments starts on delivery:

Carefully remove your new instruments from their boxes and examine under magnification to be assured they are in perfect condition.* Once you have examined and are happy with the instruments they should be cleaned carefully using specialist instrument wipes (see Single Use section, code No.: 1701010) and placed in a sterilising tray designed for micro-surgical instruments (see Specialist section for the John Weiss range).

Diamond knives and other specialist instruments may require specific attention – please refer to the separate guidelines which will be provided for these. For the latest information and a copy of our validated Reprocessing Instructions, please refer to the John Weiss website www.johnweiss.com

*In the unlikely event that you are unhappy with your instruments in any way, you should notify us immediately on +44 (0)1279 414969 or email: sales@johnweiss.com

REPAIRS

Utilising the skills of the instrument maker, John Weiss provides a repair service for damaged or blunt microsurgical instruments. For more information please contact us on +44 (0)1279 414969 or email: sales@johnweiss.com