Capsulorhexis Forceps
“the finest capsulorhexis forceps”

Incision sizes down to
1mm / 1.5mm / 1.8mm / 2.2mm / 3mm

Consistent capsulorhexis size is crucial for optimal IOL function
View our Capsulorhexis Forceps comparison charts to help you decide which forceps suit your needs.
### Feel the Quality

### See the Difference

<table>
<thead>
<tr>
<th>Page 1</th>
<th>1mm</th>
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<th>1.5mm</th>
<th>Pages 5, 7, 8, 9, 10</th>
<th>1.8mm</th>
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<tr>
<td></td>
<td>Squeeze action - Micro Incision</td>
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<td>Cross Action - Inamura</td>
<td>Cross Action - Inamura</td>
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<td><img src="image1" alt="1mm Squeeze action" /></td>
<td><img src="image2" alt="1.5mm Cross Action" /></td>
<td><img src="image3" alt="1.8mm Cross Action" /></td>
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<td>Cross action - NEW E-Range</td>
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<td>Direct Action - Utrata</td>
<td>Direct Action - Utrata</td>
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<tr>
<td><img src="image4" alt="1.8mm Cross action" /></td>
<td><img src="image5" alt="2.2mm Direct Action" /></td>
<td><img src="image6" alt="3mm Direct Action" /></td>
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</tbody>
</table>

**Reusable Titanium**
**Surgical Instruments**

**TITANIUM TUBE**
Ø0.7mm polished curved 23 gauge tube and front section made from single piece of titanium. No fabrication and joints to fail over time.

**POINTED TIPS**
Fine precise titanium tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

**TITANIUM HANDLE**
Sleek, symmetrical lightweight handle for exceptional balance and control. Squeeze action mechanism works tips.

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**DK Squeeze handle Capsulorhexis Forceps**

- Fine pointed tips with platforms
- 0.9mm tip opening
- Curved 23 gauge tube
- Squeeze action activates both jaws
- Round squeeze handle, length 120mm

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For more information please contact us via our online enquiry form.

Or visit our website: [www.duckworth-and-kent.com](http://www.duckworth-and-kent.com)
**Cross Action - Inamura**

The Inamura Capsulorhexis Forceps incorporate a visible scale marked at the functional end of the tips that denotes the desired diameter and radius of the capsulorhexis. It has been found that measuring on the cornea surface overestimates the actual size of the capsulorhexis when measured within the anterior chamber by up to 20%. Keeping the pivot in the incision reduces the leakage from the anterior chamber. It also enables the tips to operate fully at the smaller incision sizes without stretching the incision and causing corneal deformation.

**POINTED SERRATED TIPS**
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

**TIP LENGTH**
Options include 8.5mm (Corneal) or 9.5mm / 10.5mm (Scleral)

**MARKED SCALE**
Marks on the shaft at 2.5mm and 5mm from tip.

**SMOOTH ACTION**
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

**MICRO INCISION SIZE**
Designed to fit comfortably through any incision down to 1.5mm.

**HANDLE TYPES**
Round and flat handles available.

### Inamura Capsulorhexis Forceps

<table>
<thead>
<tr>
<th>Product Number</th>
<th>2-716GN</th>
<th>2-716GN-2</th>
<th>2-716GN-3</th>
<th>2-716GN-4</th>
<th>2-716GNR8-1</th>
<th>2-716GNR8-2</th>
<th>2-716GNR8-3</th>
<th>2-716GNR8-5</th>
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<tr>
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<td>Round Handle</td>
<td>Flat Handle</td>
<td>Round Handle</td>
<td>Flat Handle</td>
<td>Round Handle</td>
<td>Flat Handle</td>
<td>Round Handle</td>
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<tr>
<td>Width at Pivot Box</td>
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<td>✓</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Marks on Shaft</td>
<td>2.5mm &amp; 5mm</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Tip to Pivot Length</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tip to Pivot Length</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Tip to Pivot Length</td>
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<td>✓</td>
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<td>✓</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>Curved or Straight Shaft</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
<td>Curved</td>
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<td></td>
</tr>
<tr>
<td>Tip - Angle</td>
<td>45°</td>
<td>90°</td>
<td>45°</td>
<td>90°</td>
<td>45°</td>
<td>45°</td>
<td>90°</td>
<td>45°</td>
</tr>
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<td>- Serrated</td>
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<td>✓</td>
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</table>

**1.5mm Incision**
**Cross Action - Inamura**

The Inamura Capsulorhexis Forceps incorporate a visible scale marked at the functional end of the tips that denotes the desired diameter and radius of the capsulorhexis. It has been found that measuring on the cornea surface overestimates the actual size of the capsulorhexis when measured within the anterior chamber by up to 20%. Keeping the pivot in the incision reduces the leakage from the anterior chamber. It also enables the tips to operate fully at the smaller incision sizes without stretching the incision and causing corneal deformation.

**Pointed Serrated Tips**
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

**Tip Length**
Options include 8.5mm (Corneal) or 9.5mm (Scleral).

**Smooth Action**
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

**Small Incision Size**
Designed to fit comfortably through any incision down to 1.8mm.

**Handle Types**
Round and flat handles available.

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**Inamura Capsulorhexis Forceps**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>2-716GW</th>
<th>2-716GW-2</th>
<th>2-716GWR8</th>
<th>2-716GWR8-2</th>
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<tr>
<td>Handle Type</td>
<td>Flat Handle</td>
<td>Round Handle</td>
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</tr>
<tr>
<td>Handle Length</td>
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<tr>
<td>Width at Pivot Box</td>
<td>1.5mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marks on Shaft</td>
<td>2.5mm &amp; 5mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tip to Pivot Length 8.5mm</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tip to Pivot Length 9.5mm</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Curved Shaft</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Tips - Angled 45° - Sharp - Serrated</td>
<td>✔</td>
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</tbody>
</table>

**1.8mm Incision**

**Marks on Shaft**
Marks on the shaft at 2.5mm and 5mm from tip.

**Comparison Chart**

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**Surgical Instruments**

5
Cross Action - NEW E-Range

This range represents the application of cutting edge technology fused with over 50 years of engineering knowledge. These instruments offer surgeons an elegant, well balanced and ergonomically designed handle while still providing our high quality, consistent and durable functionality.

POINTED SERRATED TIPS
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

SMOOTH ACTION
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

SMALL INCISION SIZE
Designed to fit comfortably through any incision down to 1.8mm.

HANDLE TYPES
Round, flat, long, short handles available.

E-Range Inamura Capsulorhexis Forceps

<table>
<thead>
<tr>
<th>Product Number</th>
<th>2-716GE-1</th>
<th>2-716GE-1S</th>
<th>2-716GER8</th>
<th>2-716GER8-1</th>
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<th>2-716GER8-2</th>
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<td>Flat Handle</td>
<td>Round Handle</td>
<td></td>
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<td></td>
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<tr>
<td>Long Handle</td>
<td>111mm</td>
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<tr>
<td>Marks on Shaft</td>
<td>2.5mm &amp; 5mm</td>
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<td></td>
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</tr>
<tr>
<td>Tip to Pivot Length</td>
<td>10.5mm</td>
<td>9.5mm</td>
<td>10.5mm</td>
<td>8.5mm</td>
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<td></td>
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<tr>
<td>Curved Shaft</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>All Tips - Angled 45° - Sharp - Serrated</td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

Design registration number 004383396-0001
Cross Action - Mackool-Inamura 1.8mm Incision

When entering through a corneal incision the increased curvature of forceps shafts prevent corneal deformation during use. The forceps are available with either sharp pointed tips or smooth blunt tips, both have serrated interlocking platforms.

POINTED SERRATED TIPS
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

SMOOTH ACTION
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

SMALL INCISION SIZE
Designed to fit comfortably through any incision down to 1.8mm.

HANDLE TYPES
Round and flat handles available.

Mackool-Inamura Capsulorhexis Forceps 1.8mm Incision

<table>
<thead>
<tr>
<th>Product Number</th>
<th>2-2-706G</th>
<th>2-2-706G-1</th>
<th>2-2-706GR</th>
<th>2-2-706G-1R</th>
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<td>Flat Handle</td>
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<td>Round Handle</td>
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<tr>
<td>Marks on Shaft</td>
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</tr>
<tr>
<td>Width at Pivot Box</td>
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<td>✓</td>
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<tr>
<td>Tip to Pivot Length</td>
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<tr>
<td>Increased Curved Shaft</td>
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</table>

COMPARISON CHART

Surgical Instruments
Dr O Malauzat from Bordeaux France has carried out an independent review of the Duckworth and Kent Inamura Capsulorhexis Forceps reference 2-2-716G-9R. Dr Malauzat evaluated the forceps through four different clear corneal incision sizes: 2.2mm, 1.8mm, 1.7mm and a tapered 1.5 to 1.7mm incision.

## Cross Action - Calladine-Inamura

Dr O Malauzat from Bordeaux France has carried out an independent review of the Duckworth and Kent Inamura Capsulorhexis Forceps reference 2-2-716G-9R. Dr Malauzat evaluated the forceps through four different clear corneal incision sizes: 2.2mm, 1.8mm, 1.7mm and a tapered 1.5 to 1.7mm incision.

### Calladine-Inamura Capsulorhexis Forceps

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Handle Type</th>
<th>Handle Length</th>
<th>Width at Pivot Box</th>
<th>Marks on Shaft</th>
<th>Tip to Pivot Length</th>
<th>Curved Shaft</th>
<th>All Tips - Angled 45°</th>
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</thead>
<tbody>
<tr>
<td>2-2-716G-9</td>
<td>Flat Handle</td>
<td>Long Handle</td>
<td>1.5mm</td>
<td>2.5mm &amp; 5mm</td>
<td>10mm</td>
<td></td>
<td></td>
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<tr>
<td>2-2-716G-9S</td>
<td>Flat Handle</td>
<td>Short Handle</td>
<td>1.5mm</td>
<td>2.5mm &amp; 5mm</td>
<td>10mm</td>
<td></td>
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<tr>
<td>2-2-716G-9R</td>
<td>Round Handle</td>
<td>Long Handle</td>
<td>1.5mm</td>
<td>2.5mm &amp; 5mm</td>
<td>10mm</td>
<td></td>
<td></td>
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<tr>
<td>2-2-716G-9RS</td>
<td>Round Handle</td>
<td>Short Handle</td>
<td>1.5mm</td>
<td>2.5mm &amp; 5mm</td>
<td>10mm</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Corneal Incision 1.8mm Incision

- **Handle Length**
  - Long Handle: 119mm
  - Short Handle: 91mm

- **Width at Pivot Box**: 1.5mm
- **Marks on Shaft**: 2.5mm & 5mm
- **Tip to Pivot Length**: 10mm
- **Curved Shaft**
- **All Tips - Angled 45°**: Sharp, Serrated

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**Reusable Titanium**
Utilising the smooth action of the Inamura cross action capsulorhexis forceps, the new Calladine-Inamura Capsulorhexis Forceps incorporate a visible scale marked at the functional end of the tips that denotes the desired diameter and radius of the capsulorhexis. The surgeon can repeatedly measure the size of the capsulorhexis using the forceps within the anterior chamber. It has been found that measuring on the cornea surface overestimates the actual size of the capsulorhexis when measured within the anterior chamber by up to 20%. The cross action design means that the forceps are 1.5mm wide at the pivot point which enables a greater degree of movement within the incision.

**POINTED SERRATED TIPS**
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

**SMOOTH ACTION**
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

**TIP LENGTH**
Options include 10mm (Corneal) or 11mm (Scleral)

**SMALL INCISION SIZE**
Designed to fit comfortably through any incision down to \( 1.8\text{mm} \).

**HANDLE TYPES**
Round, flat, long, short handles available.

### COMPARISON CHART

<table>
<thead>
<tr>
<th>Calladine-Inamura Capsulorhexis Forceps</th>
<th>Scleral Tunnel</th>
<th>( 1.8\text{mm Incision} )</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Number</strong></td>
<td>2-2-716G-8</td>
<td>2-2-716G-8S</td>
</tr>
<tr>
<td><strong>Handle Type</strong></td>
<td>Flat Handle</td>
<td>Round Handle</td>
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<tr>
<td><strong>Handle Length</strong></td>
<td>Long Handle 120mm</td>
<td>↩</td>
</tr>
<tr>
<td><strong>Width at Pivot Box</strong></td>
<td>1.5mm</td>
<td>11mm</td>
</tr>
<tr>
<td><strong>Marks on Shaft</strong></td>
<td>2.5mm &amp; 5mm</td>
<td>2.5mm &amp; 5mm</td>
</tr>
<tr>
<td><strong>Tip to Pivot Length</strong></td>
<td>11mm</td>
<td>11mm</td>
</tr>
<tr>
<td><strong>Curved Shaft</strong></td>
<td></td>
<td>11mm</td>
</tr>
<tr>
<td><strong>All Tips - Angled 45°</strong></td>
<td></td>
<td>11mm</td>
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<td></td>
<td></td>
<td>- Sharp</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Serrated</td>
</tr>
</tbody>
</table>
Cross Action - Jones-Inamura

1.8mm Incision

Accurate capsulorhexis size is crucial for optimal IOL function. Dr Jones has utilised the Inamura cross action capsulorhexis forceps by adding a marked scale from the tip to 6mm along the shaft. The scale is in 1mm increments and enables the surgeon to repeatedly measure the size of the capsulorhexis using the forceps within the anterior chamber.

POINTERED SERRATED TIPS
Precise interlocking serrated tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

SMALL INCISION SIZE
Designed to fit comfortably through any incision down to 1.8mm.

SMOOTH ACTION
Titanium instrumentation with three pivot point precision provides the highest quality with a smooth controlled action.

MARKED SCALE
Marks at 1mm intervals from tip, up to 6mm.

HANDLE TYPES
Round and flat handles available.

Jones-Inamura Capsulorhexis Forceps

<table>
<thead>
<tr>
<th>Product Number</th>
<th>2-2-716G-10</th>
<th>2-2-716G-10R</th>
</tr>
</thead>
<tbody>
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<td>Round Handle</td>
</tr>
<tr>
<td>Handle Length 120mm</td>
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<td>✓</td>
</tr>
<tr>
<td>Width at Pivot Box 1.5mm</td>
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<td>✓</td>
</tr>
<tr>
<td>Marks on Shaft 1mm - 6mm</td>
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<td>✓</td>
</tr>
<tr>
<td>Tip to Pivot Length 11mm</td>
<td>✓ 11mm</td>
<td>✓</td>
</tr>
<tr>
<td>Curved Shaft</td>
<td>✓</td>
<td>✓</td>
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<tr>
<td>All Tips - Angled 45° - Sharp - Serrated</td>
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<td>✓</td>
</tr>
</tbody>
</table>
Direct Action - Utrata

2.2mm Incision

2-719-3
Utrata Capsulorhexis Forceps

- Utrata style tips
- Straight shafts, tip to angle length 13mm
- Marks on shaft 2.5mm and 5mm denote desired size of capsulorhexis
- Flat handle, length 88mm

Direct Action - Utrata

3mm Incision

Fine precise titanium tips with a sharp point enables the surgeon to initiate the capsule tear then securely grasp the capsule to perform the capsulorhexis.

IRIS STOP PLATFORMS
To stop the shafts of the forceps completely closing when tips are closed.

DIRECT ACTION
Incision size restricts opening of tips. Recommend incision size of 3mm or greater for adequate opening of tips.

2-718 & 2-718N
Utrata Capsulorhexis Forceps - Curved Shafts

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13mm

2-719, 2-719N & 2-719-1
Utrata Capsulorhexis Forceps - Straight Shafts

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Straight shafts, tip to angle length 13mm

Surgical Instruments
Direct Action - Utrata

3mm Incision

2-712NR8
DK Utrata Capsulorhexis Forceps

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13mm
- 8mm diameter round handle, length 115mm

2-712-1NR8
DK Utrata Capsulorhexis Forceps

- Utrata style tips
- 1mm increment markings along shafts
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13mm
- 8mm diameter round handle, length 115mm

2-714NR, 2-714NR8 & 2-714-1NR8
DK Utrata Capsulorhexis Forceps

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Straight shafts, tip to angle length 13mm

2-714NR
- Overall length 115mm
- 8mm diameter handle

2-714NR8
- Overall length 115mm
- 8mm diameter handle

2-714-1NR8
- Overall length 115mm
- 8mm diameter handle

If you are interested in any of our product range or have a general enquiry please contact anyone of our dedicated customer service team members who are ready to help.

Find us on

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DK Utrata Capsulorhexis Forceps

- Utrata style tips
- Iris stop platforms 8.5mm from tips
- Curved shafts, tip to curve length 13mm
- 8mm diameter round handle, length 115mm

2-714NR
- Overall length 115mm
- 8mm diameter handle

2-714NR8
- Overall length 115mm
- 8mm diameter handle

2-714-1NR8
- Overall length 115mm
- 8mm diameter handle

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