Vitreoretinal

Re-usable Titanium Cannulas
Enhanced performance with better fixation and stabilisation compared to single use

Cannulas

23g

25g
By exploring advanced concepts and embracing new technology, Duckworth and Kent has created an innovative range of vitreoretinal instruments utilising the new ergonomic handle design and featuring interchangeable heads. From the surgeon’s perspective, the transition to the new style will feel both seamless and rewarding. These tips are securely screwed onto the threaded handle, a mechanism which eliminates the need for alignment when engaging the head onto the instrument handle.

High-precision titanium tips on the new titanium handle for vitreoretinal surgery

You decide!....Select the instruments and accessories for your sets

Select the handle to fit one or more heads. To complete the set, add the optional cleaning adaptors and special sterilising trays.

Vitreoretinal Head Colour Coding

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**Scissors**

**Straight Scissors**
- Sharp tipped straight micro scissors with 2.2mm long blade
- Requires DK Squeeze Handle, ref 6-676
- Detachable tip heads for cleaning purposes
- Once attached to round squeeze handle, length is 143mm

**Straight Blunt Scissors**
- Blunt tipped straight micro scissors with 1.9mm long blade
- Requires DK Squeeze Handle, ref 6-676
- Detachable tip heads for cleaning purposes
- Once attached to round squeeze handle, length is 143mm

**Curved Scissors**
- Sharp tipped curved micro scissors with 2.2mm long blade
- Requires DK Squeeze Handle, ref 6-676
- Detachable tip heads for cleaning purposes
- Once attached to round squeeze handle, length is 143mm

**Straight Scissors**
- Sharp tipped straight micro scissors with 2.5mm long blade
- Requires DK Squeeze Handle, ref 6-676
- Detachable tip heads for cleaning purposes
- Once attached to round squeeze handle, length is 143mm

**Handle and Interchangeable Heads**

**6-676 DK Squeeze Handle for VR Instrument Heads**
- Suitable for all Duckworth & Kent Vitreoretinal Instrument Heads
- Overall Length 92 mm (without head)
- Squeeze action handle

**DVK Squeeze Handle**

**20 and 23 Gauge Scissors**
Handle and Interchangeable Heads

20 and 23 Gauge Forceps

**Forceps**

- **End Gipping Forceps**
  - ILM Peeling
  - 23G

- **Delicate Serrated Forceps**
  - 23G

- **Asymmetrical Forceps**
  - NEW tip design
  - 23G

- **Rassam Membrane Picking Forceps**
  - 20G

- **Smooth Rounded Tip Forceps**
  - 20G

- **End Gipping Forceps**
  - ILM Peeling
  - 20G

- **Delicate Serrated Forceps**
  - 20G

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**Forceps Head Variations**

- **2-877N**
  - Fine end gipping tips, tip length 3.2mm
  - Straight 23 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-878-1N**
  - Delicate serrated jaws with blunt tip, tip length 3.0mm
  - Straight 23 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-879N**
  - Asymmetrical tip design with fine platform
  - Straight 23 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-885N**
  - 2.0mm jaws, 0.7mm platforms, 55° angled pointed picking tip
  - Straight 20 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-868N**
  - 2.0mm smooth rounded tips
  - Straight 20 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-871N**
  - Fine end gipping tips, tip length 3.7mm
  - Straight 20 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

- **2-878N**
  - Delicate serrated jaws with blunt tip, tip length 3.0mm
  - Straight 20 gauge tube, length 32.5mm
  - Requires DK Squeeze Handle, ref 6-676
  - Detachable tip heads for cleaning purposes
  - Once attached to round squeeze handle, length is 143mm

Handle not included for handle ref: 6-676
The new cover is used to protect the detachable tip heads during cleaning and reprocess cycles. A luer flushing adaptor at the back of the cover enables thorough cleaning and disinfection of the fine delicate tips.

A luer flushing adaptor enables thorough cleaning and disinfection of the fine delicate tips. This method of cleaning ensures long life and reliability.

### 6-675-1 Small Flushing Adaptor for Interchangeable VR Instrument Heads

- Tip screws onto adaptor
- Syringe or other luer device back flushes tip head

### DK7003-2 Sterilising Tray (up to 2 Heads)

- Designed to hold one handle, up to two heads, one cleaning guard and adaptor.
- External dimensions: 17.5cm x 11.0cm x 2.6cm
- Internal dimensions: 16.5cm x 10.0cm x 1.8cm (without mat)
- One silicone mat

### T7010-5 Sterilising Tray (up to 4 Heads)

- Designed to hold two handles, up to four heads, one cleaning guard and adaptor.
- External dimensions: 26.4cm x 16.2cm x 2.6cm
- Internal dimensions: 25.4cm x 15.2cm x 1.8cm (without mat)
- One silicone mat
The fixed head range of Vitreoretinal forceps and scissors are a one piece devices featuring the same tip and handle design as the interchangeable head.

All fixed head vitreoretinal forceps and scissors are supplied with a protective guard which can be sterilised.

**Scissors Variations**

- **Straight Scissors**
  - 23 Gauge
  - Sharp tipped straight micro scissors with 2.2mm long blade
  - Straight 23 gauge tube, length 32.5mm
  - Squeeze action handle closes scissors
  - Round squeeze handle, length 138mm

- **Straight Blunt Scissors**
  - 23 Gauge
  - Blunt tipped straight micro scissors with 1.75mm long blade
  - Straight 23 gauge tube, length 32.5mm
  - Squeeze action handle closes scissors
  - Round squeeze handle, length 138mm

- **Curved Scissors**
  - 23 Gauge
  - NEW tip design
  - Sharp tipped curved micro scissors with 2.5mm long blade
  - Straight 23 gauge tube, length 32.5mm
  - Squeeze action handle closes scissors
  - Round squeeze handle, length 138mm

- **Straight Scissors**
  - 20 Gauge
  - Sharp tipped straight micro scissors with 2.5mm long blade
  - Straight 20 gauge tube, length 32.5mm
  - Squeeze action handle closes scissors
  - Round squeeze handle, length 138mm

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Forceps Variations

End Gipping Forceps ILM Peeling
- Fine end gripping tips, tip length 3mm
- Straight 23 gauge tube, tube length 32.5mm
- Squeeze handle activates both jaws
- Round squeeze handle, overall length 138mm

2-877
23 Gauge

23 Gauge

Delicate Serrated Forceps
- Delicate serrated jaws with blunt tip, tip length 3mm
- Straight 23 gauge tube, tube length 32.5mm
- Squeeze handle activates both jaws
- Round squeeze handle, overall length 139mm

2-878-1
23 Gauge

23 Gauge

Asymmetrical Forceps
- Asymmetrical tip design with fine platforms
- Straight 23 gauge tube, tube length 32.5mm
- Squeeze handle activates both jaws
- Round squeeze handle, overall length 138mm

2-879
23 Gauge

23 Gauge

Rassam Membrane Picking Forceps
- 2.0mm jaws, 0.7mm platforms, 55° angled pointed picking tips
- Straight 20 gauge tube, tube length 32.5mm
- Squeeze action activates both jaws
- Round squeeze handle, length 138mm

2-885
20 Gauge

20 Gauge

Smooth Rounded Tip Forceps
- 2.0mm smooth rounded tips
- Straight 20 gauge tube, tube length 32.5mm
- Squeeze action activates both jaws
- Round squeeze handle, length 138mm

2-868
20 Gauge

20 Gauge

End Gipping Forceps ILM Peeling
- Fine end gripping tips, tip length 3.7mm
- Straight 20 gauge tube, tube length 32.5mm
- Squeeze handle activates both jaws
- Round squeeze handle, overall length 141mm

2-871
20 Gauge

20 Gauge

Delicate Serrated Forceps
- Delicate serrated jaws with blunt tip, tip length 3mm
- Straight 20 gauge tube, tube length 32.5mm
- Squeeze handle activates both jaws
- Round squeeze handle, overall length 138mm

2-878
20 Gauge

20 Gauge
6-912 Giunchiglia Membrane Peeling Spatula, 23 Gauge

- Ultra fine textured tip
- 0.60mm wide, blunt tip curved 45°
- Straight 23 gauge shaft, length 32.5mm
- Round handle, overall length 128mm

6-912-1 Membrane Peeling Spatula, 23 Gauge

- Fine textured tip
- 0.60mm wide, blunt tip curved 45°
- Straight 23 gauge shaft, length 32.5mm
- Round handle, overall length 128mm

6-418-3 Ogawa 23 Gauge IOL Manipulator

- 0.30mm diameter tip
- Fits through 23g pars plana vitrectomy cannulas
- Straight shaft,
- Round handle, length 122mm

Specially designed to assist in retrieving IOLs dislocated into the posterior segment of the eye.
Ball shaped tip can be used to manipulate haptics and/or optics, even when covered with residual lens capsule.

9-513-1 Fixation Plate

- Fixation Plate stabilises the eye when inserting the Instrument Cannula or Infusion Cannula Tip
- 8.3mm diameter plate, with 15 point fixation
- Slot allows easy removal of Fixation Plate
- Round handle, length 124mm

9-513-3 Low Profile Fine Fixation Ring with 3.5mm Caliper

- Low profile ¼ ring, 5.0mm diameter with 5 point fixation
- Caliper end 3.5mm internal dimension
- Fixed flat handle, length 109mm

9-650 DK Castroviejo Style Marking Caliper

- 0.25mm x 0.25mm delicate marking tips
- Measures 0.0mm to 15.0mm in 0.25 increments
- Measurements from centre of tips
- Adjustable thumb screw
- Standard caliper handle

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2-2-832 Cannula Loading Forceps

- Designed to hold 23 and 25 gauge cannulas
- 45° angled shafts, tip to angle length 10.0mm
- Flat handle, length 117mm

2-2-832-1 Cannula Loading Forceps - Reverse Action

- Designed to hold 23 and 25 gauge cannulas
- 45° angled shafts, tip to angle length 10.0mm
- Flat handle, length 117mm

Reverse action allows forceps to securely hold the cannula when the handle is at rest, whilst releasing the cannula on squeezing the handle.

9-544 and 9-544-1 (left handed version) - Doi-Uematsu Intravitreal Injection Guide

- 0.5mm needle guide hole, suitable for 27g needle or smaller
- 12mm diameter ring with ‘snow-tyre pattern’ fixation
- Held in the non-dominant hand
- Suitable for right handed surgeon ref: 9-544 / 9-544-2
- Suitable for left handed surgeon ref: 9-544-1 / 9-544-3
- Round handle, length 102.5mm: 9-544 & 9-544-1
- Round handle, length 98mm: 9-544-2 & 9-544-3

The Intravitreal Injection Guide facilitates intravitreal injection procedure, stabilising the eye and needle, whilst accurately positioning the needle to inject drugs into the vitreous cavity. The unique ‘snow-tyre pattern’, rather than sharp points for fixation, gives firmer more positive control of globe with less discomfort to the patient. The injection needle can be directed accurately without damage to the lens or the retina and eliminates measurement of the distance to pars plana. The break in the fixation ring enables an anterior chamber tap, if required, in order to avoid high IOP.

9-544-2 and 9-544-3 (left handed version) - Doi-Uematsu Intravitreal Injection Guide

- 0.5mm needle guide hole, suitable for 27g needle or smaller
- 12mm diameter ring with ‘snow-tyre pattern’ fixation
- Held in the non-dominant hand
- Suitable for right handed surgeon ref: 9-544 / 9-544-2
- Suitable for left handed surgeon ref: 9-544-1 / 9-544-3
- Round handle, length 102.5mm: 9-544 & 9-544-1
- Round handle, length 98mm: 9-544-2 & 9-544-3
**Lens Ring Holder and Depressors**

**6-590 Ota Sutureless Lens Ring Holder**

- 11.5mm internal diameter ring
- 4 rings, centre of each ring is on an 18mm diameter
- Each ring is 3.3mm in diameter

This device eliminates the need to suture the lens. Internal ring holds the lens and the four smaller rings are held in position by cannulas.

**6-615 Tsukahara Scleral Depressor**

- Highly polished tip
- Tip length 6.0mm, maximum diameter 1.2mm
- 55° angled shaft
- Large diameter round handle, length 114mm

Used for smoothing sclera after removing an Instrument Cannula used during vitreoretinal surgery.

**6-615-1 Tsukahara Scleral Depressor with Slotted Sides**

- Textured tip
- 3 slots on the right and left of the tip (6 slots overall)
- Tip length 6.0mm, maximum diameter 1.2mm

Textured and slotted tip provides grip when depressing the sclera.

**6-615-2 Kurakazu Scleral Depressor 4/6mm**

- Polished tip
- Tip length 10mm, diameter 0.8mm
- Tip angled twice at 4mm and 6mm
- Large diameter round handle, length 115mm

**6-635-4 Nishimura Depressor and Manipulator**

- 0.5mm diameter pin 3.0mm long
- Shaft with pin angled at 40°
- 3.0mm round highly polished depressor
- Round handle, length 128mm

Used for 23 gauge and 25 gauge vitreoretinal surgery to enable the surgeon to indent the sclera to allow for peripheral retinal examination. The pin is inserted into the cannula to provide for easy manipulation and enhanced access to cut and remove vitreous surrounding the cannula.

**6-635-2 DK Schocket Double Ended Scleral Depressor**

- 2.5mm round and 4.5mm cylinder tips
- Round handle, length 135mm
Duckworth & Kent has developed a 23 Gauge Vitrectomy Cannula System, ref: DK7610, which allows a range of small incision vitrectomy instruments to pass through cannulas and into the posterior chamber. The system permits a complete sutureless surgical procedure through a small incision that minimizes the potential for surgical trauma. All of Duckworth & Kent’s 23 Gauge Vitrectomy Instruments are compatible with this system.

Vitrectomy Cannula System includes the following:

- 3 x Instrument Cannulas, ref: 8-640-2
- 1 x Infusion Cannula, ref: 8-641-2
- 3 x Cannula Plugs, ref: 8-642-1
- 1 x Cannula Inserter, ref: 6-190-1
- 1 x Cannula Loading Forceps, ref: 2-2-832
- 1 x Fine Fixation Ring with Caliper, ref: 9-513-3
- 1 x Sterilising Tray, ref: T7003-2

**Instrument Cannula, 23 Gauge**

**Step Instrument Cannula, 23 Gauge**

- Cannula for 23 gauge Instruments
- 45° bevelled tip, overall length 6mm
- Cannula plug, ref: 8-642-1, seals cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190-1

Step prevents the accidental removal of the Cannula

**Fibre Optic, 23 Gauge**

- Cannula for 23 gauge chandelier / fibre optic probes
- Larger footplate stabilises position of fibre optic
- 45° bevelled tip, overall length 6mm
- Cannula Plug, 8-642-1, seals Cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190-1

Grooves prevent the accidental removal of the Cannula

**Nishimura Fibre Optic Cannula, 23 Gauge**

- Cannula for 23 gauge chandelier / fibre optic probes
- Larger footplate stabilises position of fibre optic
- 45° bevelled tip, overall length 6.5mm
- Cannula Plug, 8-642-1, seals Cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190-1

The Nishimura Fibre Optic Cannula has a unique screw thread fitting for the Nishimura Infusion Cannula (ref: 8-641-7).
23 Gauge Instrument Cannula for 20 Gauge Incision

- Cannula for 23 gauge instruments
- Seals 20 gauge incision. The instrument is used after inserting silicone oil through a 20g port
- Overall length 5.6mm
- Cannula Plug, 8-642-1, seals Cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190-1

Cannula Plug, 23 Gauge

- Seals 23 gauge Instrument Cannula when not in use

6-190-1 Cannula Inserter, 23 Gauge

- Designed to assist the insertion of the 23 gauge Instrument Cannulas and Infusion Cannulas
- Blunt tip
- Round handle, length 100mm

8-644 Infusion Cannula, 23 Gauge

- 23 gauge, 45° bevelled tip
- Infusion Cannula is inserted directly into the sclera
- Grooves prevents accidental removal of Cannula
- Silicone tubing and luer fitting supplied

8-644-1 Infusion Cannula Tip Only, 23 Gauge

- 23 gauge, 45° bevelled tip
- Infusion Cannula is inserted directly into the sclera
- Grooves prevents accidental removal of Cannula
- Supplied as Cannula tip only
**23 Gauge Infusion Cannulas**

**Infusion Cannula Tip Only, 23 Gauge**

- 8-641-2
  - **Infusion Cannula, 23 Gauge**
  - 23 gauge tip
  - Infusion Cannula is inserted into the sclera through an Instrument Cannula
  - Silicone tubing and luer fitting supplied

- 8-641-3
  - **Infusion Cannula Tip Only, 23 Gauge**
  - 23 gauge tip
  - Infusion Cannula is inserted into the sclera through an Instrument Cannula
  - Supplied as Cannula tip only

**Infusion Cannula Tip Only, 23 Gauge**

- 8-641-4
  - 23 gauge tip only
  - Infusion Cannula is inserted into the eye through an Instrument Cannula
  - Supplied as Cannula tip only

**Nishimura Infusion Cannula, 23 Gauge**

- 8-641-7
  - 23 gauge tip only
  - Infusion Cannula is screwed into the Nishimura Fibre Optic Cannula
  - Supplied as Cannula tip only

  The Nishimura Fibre Optic Cannula (ref: 8-640-7) has a unique screw thread fitting for the Nishimura Infusion Cannula to

**Infusion Cannula Tip Only, 23 Gauge**

- 8-641-8
  - 23 gauge tip only
  - Two irrigating side ports
  - Infusion Cannula is inserted into the eye through an Instrument Cannula
  - Supplied as Cannula tip only

- Nishimura Fibre Optic Cannula (ref: 8-640-7)

- 8-641-9
  - 23 gauge tip
  - 45° Bevelled tip
  - Infusion cannula is inserted into the eye through an instrument Cannula
  - Supplied as cannula tip only

**Duckworth & Kent - Titanium**
Duckworth & Kent has developed a 25 Gauge Vitrectomy Cannula System, ref: DK7605, which allows a range of small incision vitrectomy instruments to pass through cannulas and into the posterior chamber. The systems permit a complete sutureless surgical procedure through a small incision that minimizes the potential for surgical trauma.

**DK7605 25 Gauge Vitrectomy Cannula System**

Vitrectomy Cannula System includes the following:

- 3 x Instrument Cannulas, ref: 8-640
- 1 x Infusion Cannula, ref: 8-641
- 3 x Cannula Plugs, ref: 8-642
- 1 x Cannula Inserter, ref: 6-190
- 1 x Cannula Loading Forceps, ref: 2-2-832
- 1 x Fine Fixation Ring with Caliper, ref: 9-513-3
- 1 x Sterilising Tray, ref: T7003-2

**Instrument Cannula, 25 Gauge**

- Cannula for 25 gauge instruments
- Step prevents accidental removal of Cannula
- 45° bevelled tip, overall length 6mm
- Cannula Plug, 8-642, seals Cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190

**25g Cannula for 20g Incision**

- Cannula for 25 gauge instruments
- Seals 20 gauge Incision
- Overall length 5.6mm
- Cannula Plug, 8-642, seals Cannula when not in use
- Instrument Cannula is inserted into the sclera with the aid of the Cannula Inserter, ref: 6-190

The 8-640-8 is used after inserting silicone oil through a 20g

**Cannula Plug, 25 Gauge**

- Seals 23 gauge Instrument Cannula when not in use

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Infusion Cannula, 25 Gauge

- 25 gauge tip
- Infusion Cannula is inserted into the sclera through an instrument Cannula
- Silicone tubing and luer fitting supplied

Infusion Cannula Tip Only, 25 Gauge

- 25 gauge tip only
- Infusion Cannula is inserted into the eye through an instrument Cannula
- Supplied as Cannula tip only

Cannula Inserter, 25 Gauge

- Designed to assist the insertion of the 25 gauge Instrument Cannulas and Infusion Cannulas
- Blunt tip
- Round handle, length 100mm

Infusion Cannula Tip Only, 25 Gauge

- 25 gauge tip
- Infusion Cannula is inserted into the sclera through an instrument Cannula
- Supplied as Cannula tip only
Visit: www.duckworth-and-kent.com to view over 1000 ophthalmic titanium instruments

As well as product information for over 1000 instruments, you will also find detailed literature and informative videos showing some of our instruments in action.

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