

## Specialist Instruments

General, Vitreoretinal, Corneal and Refractive, Cataract, Glaucoma, Diamond Knives, Corneal knives, Trephines, Trays.

**Veterinary:** Ophthalmic, Exotic & small animal



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](http://www.johnweiss.com)**



0120283 SS

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



0120284 SS

Standard 150mm / 6 inch ruler



0114298

Foreign body needle (sharp 1mm x 7mm) and spud (straight, round 1mm x 24mm) double ended with protective caps, overall length 118mm



0204132 SS

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



0204134 SS

Adson forceps, straight with 0.5mm teeth, overall length 122mm

## General

**0101462 SS**

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



**0101463 SS**

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



**0101464 SS**

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



**0103275 SS**

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



**0103276 SS**

Good utility scissors for cutting drape, ribbon style,  
curved with rounded tips. Max cutting  
length 18mm, blade length 26mm, overall length  
102mm





0101589 SS

Towel clamp, cross action, straight, overall length 85mm



0101583 SS

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



0204136 SS

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



0204147 SS

Backhaus towel clamp, curved, overall length 89mm

## General

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



## Vitreoretinal



0109522 Ti

Schocket scleral depressor/ indenter with pocket clip. Double ended 1x smooth olive tip 1x smooth 5mm 'T' bar, overall length 137mm



2003069 SS

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



0101605 SS

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



0101552 SS

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

## Corneal and Refractive

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



## Corneal and Refractive



0109526 Ti

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



0109532 Ti

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



0114322 SS

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



0111041

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



0109530 Ti

Nischal corneal gauge. Set of three discs with sizes 6.5mm to 19mm in 0.5mm increments

## Cataract

0109520 Ti

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.



2001001 Ti

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



0109181 Ti

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



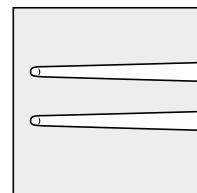
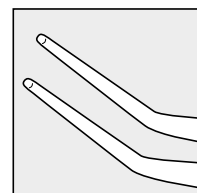
0109448 Ti

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





0101491 **SS**

Kelly punch with protective cap. Squeeze action with 1mm tip for cutting Descemet's membrane, overall length 130mm



0101492 **SS**

Replacement cap for 0101491 Kelly punch



0101497 **Ti**

23G squeeze action trabeculectomy punch with angled 0,6mm cutter, overall length 135mm



0101496 **SS**

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

## Diamond Knives

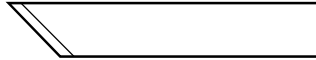
Straight

Overall length 110mm (not including blade)

All Diamond Knives are supplied with a sterilisation tray



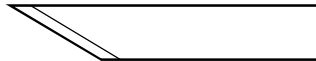
0113052 Ti  
45° blade, 1mm wide



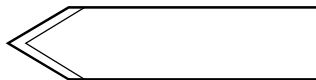
0113053 Ti  
Trifacet blade, 1mm wide



0113054 Ti  
30° blade, 1mm wide



0113055 Ti  
60° lance blade, 1.4mm wide



0113056 Ti  
90° spear blade (keratome), 1.4mm wide



## Diamond Knives

90 degree angled

Overall length 110mm (not including blade)

All Diamond Knives are supplied with a sterilisation tray

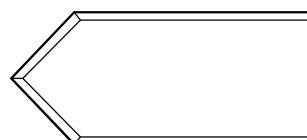


### Phaco spear (keratome)



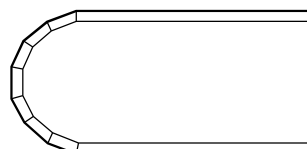
- 3.2mm wide **0113072** **Ti**
- 3.0mm wide **0113073** **Ti**
- 2.8mm wide **0113074** **Ti**
- 2.5mm wide **0113075** **Ti**

### 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 small, 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



## Trephines

sold sterile, box of 2



			Diameter
0111077	SS	Standard trephine 20mm long	6.0mm
0111078	SS	Standard trephine 20mm long	6.25mm
0111079	SS	Standard trephine 20mm long	6.5mm
0111080	SS	Standard trephine 20mm long	6.75mm
0111081	SS	Standard trephine 20mm long	7.0mm
0111082	SS	Standard trephine 20mm long	7.25mm
0111083	SS	Standard trephine 20mm long	7.5mm
0111084	SS	Standard trephine 20mm long	7.75mm
0111085	SS	Standard trephine 20mm long	8.0mm
0111086	SS	Standard trephine 20mm long	8.25mm
0111087	SS	Standard trephine 20mm long	8.5mm
0111088	SS	Standard trephine 20mm long	8.75mm
0111089	SS	Standard trephine 20mm long	9.0mm
0111091	SS	Standard trephine 20mm long	9.25mm
0111092	SS	Standard trephine 20mm long	9.50mm

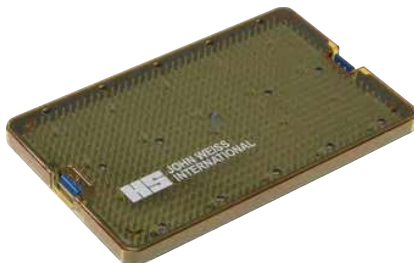
0111137	SS	Long Handled trephine 75mm long	6.5mm
0111138	SS	Long Handled trephine 75mm long	6.75mm
0111139	SS	Long Handled trephine 75mm long	7.0mm
0111140	SS	Long Handled trephine 75mm long	7.25mm
0111141	SS	Long Handled trephine 75mm long	7.5mm
0111142	SS	Long Handled trephine 75mm long	7.75mm
0111143	SS	Long Handled trephine 75mm long	8.0mm
0111144	SS	Long Handled trephine 75mm long	8.25mm
0111145	SS	Long Handled trephine 75mm long	8.5mm
0111146	SS	Long Handled trephine 75mm long	8.75mm
0111147	SS	Long Handled trephine 75mm long	9.0mm
0111148	SS	Long Handled trephine 75mm long	9.25mm
0111149	SS	Long Handled trephine 75mm long	9.5mm

## Trays

### Polymer – removable lid

#### 0112013

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



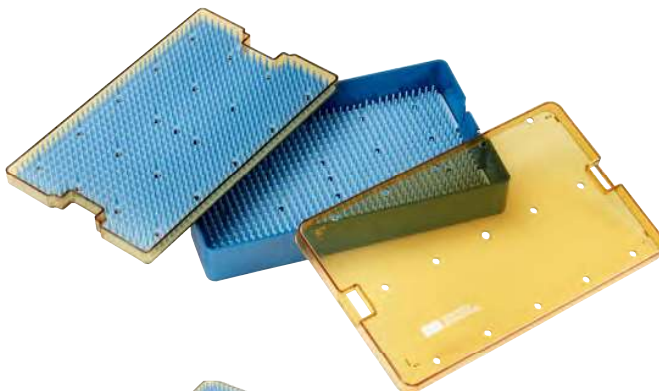
#### 0112015

Tray holds 20 instruments with silicone finger matting. Outer size W390mm D265mm H25mm. Inner size W380mm D250mm H20mm.



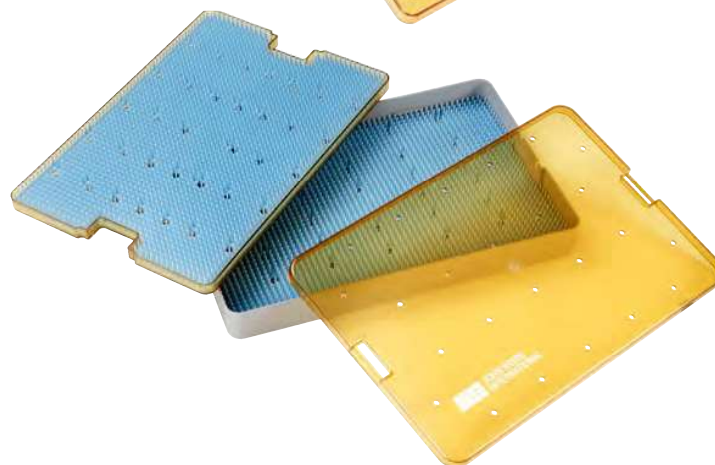
#### 0112014

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.





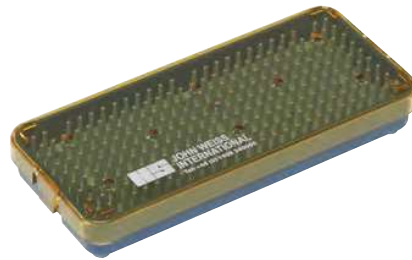
# Trays

Polymer – removable lid



**0112012**

Diamond Knife tray with silicone grip for 1 knife. Outer size W160mm D70mm H25mm. Inner size W150mm D60mm H20mm.



**0112016**

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



**0112017**

Tray holds 3 instruments with silicone finger matting. Outer size W175mm D110mm H25mm. Inner size W160mm D100mm H20mm.



**0112018**

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 (VetSci)Hons BVM&S CertAVP(ZooMed) MRCVS for their help and advice in putting together this selection of instrumentation

## Small & exotic animal surgery

### Basic Set

Recommended number of instruments per basic set are shown in the blue box

0101285 SS 1



0101298 SS 1



0101543 SS 1



0204134 SS 1



0204132 SS 1



0101472 SS 3



0101473 SS 3



0101464 SS 2



0101462 SS 2



0103204 SS 1



0103203 SS 1



0114200 SS 1



0104136V SS 1

Cope retractor, adjustable with solid 14mm x 5mm blades. Maximum opening 40mm, overall length 75mm

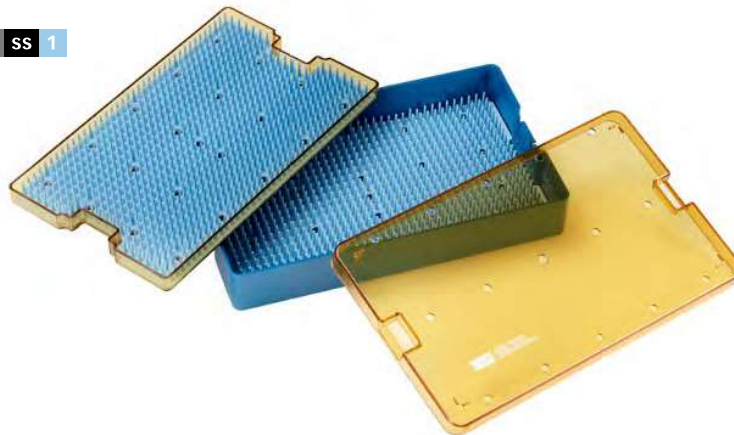


CODE		NAME	FUNCTION	ANIMAL	No*	PAGE No
0101285	SS	Francis toothed forceps	General use	R Mc P K	1	18
0101298	SS	Graefe locking forceps	Muscle gripping	ALL	1	18
0101543	SS	Moorfields serrated forceps	General use	ALL	1	1
0204134	SS	Adsons toothed forceps	General use	R Mc P K	1	17
0204132	SS	Adsons serrated forceps	General use	R Mc P K	1	4
0101472	SS	Halsted Mosquito forceps, straight	Haemostasis	R Mc P K	3	29
0101473	SS	Halsted Mosquito forceps, curved	Haemostasis	R Mc P K	3	29
0101464	SS	Serrafine clip, curved	Suture clip	ALL	2	31
0101462	SS	Serrafine clip, fine, straight	Suture gripping	ALL	2	31
0103204	SS	Excision scissors, straight with rounded tips	General use	R Mc P K	1	49
0103203	SS	Excision scissors, curved with rounded tips	General use	R Mc P K	1	49
0104136V	SS	Cope retractor, screw action	Self retaining	H B	1	113
0112014		Instrument tray 260mm x 160mm x 45mm	Holds approx. 20 instruments	ALL	1	108
0114200	SS	Scalpel blade handle #3	for No.15 blades	ALL	1	94

\* 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)

0112014 SS 1



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

CODE		NAME	FUNCTION	ANIMAL	No*	Page No
0101290	SS	Elschnig toothed forceps	General use	H B	1	18
0101047	SS	Castroviejo toothed forceps	General use	H B	1	17
0101015	SS	Castroviejo platform forceps	Suture tying	H B	1	7
0101474	SS	Wells artery forceps, straight	Haemostasis	H B	2	29
0101475	SS	Wells artery forceps, curved	Haemostasis	H B	2	29
0103227	SS	Scissors, straight with sharp pointed tips	General use	All	1	48
0104135	SS	Sauer spring speculum	Self retaining	H B	1	64

\* Recommended number of instruments required

### Miscellaneous Extras – Disposables

CODE	NAME	QUANTITY	ANIMAL	Page No
1701002	Swabsticks 5/pkt	20/box	All	125
1701003	Swabsticks 10/pkt	20/box	All	125
0111008	Swab strips 10/pkt	20/box	All	125
0111122	Disposable low heat cautery	10/box	All	128
1601095	Mini drape 400x400mm	10/box	All	124
1601071	Medium drape with bag	10/box	R Mc P K	124

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

CODE		NAME	FUNCTION	ANIMAL	Page No
0104133	SS	Jaffe retractors, pair of large	Attach string to make adjustable	R Mc P K	68
0104132	SS	Jaffe retractors, pair of small	Attach string to make adjustable	H B	65
0103106	SS	Vannas scissors, curved	Ultra fine	H B	41
0103105	SS	Vannas scissors, straight	Ultra fine	HB	40
0103182	SS	Westcott scissors, curved with wide handle and rounded tips	Blunt dissection	R Mc P K	42
0103172	SS	Westcott scissors, curved with fine rounded tips	General use	R Mc P K	42
0102002	SS	Castroviejo needle holder, straight, locking	Suturing	All	36
0102005	SS	Castroviejo needle holder, with straight heavy jaws, locking	Suturing	All	36
0120283	SS	Caliper & rule	Measuring	All	95
0107012	SS	Desmarres retractor, small 12mm blade	Tissue retractor	H B	83
0107013	SS	Desmarres retractor, medium 13mm blade	Tissue retractor	All	83
0107014	SS	Desmarres retractor, large 15mm blade	Tissue retractor	R Mc P K	83
0107052	SS	Knapp retractor with 4 blunt prongs	Tissue retractor	All	83
0107059	SS	Rollet retractor with 4 sharp prongs	Tissue retractor	All	83
0107092	SS	Fison retractor with 20mm blade	Deep retraction	R Mc P K	82
0120311	SS	Zoellner suction tube, fine	Suction	All	93
0108032	SS	Bulbous end cannula 19G, curved, 40mm overall length	Irrigation of sinuses, ducts etc	All	-
0114215	SS	Sharp spoon, small 3x2.2mm cup	Curette	All	71
0114216	SS	Sharp spoon, medium 3.8x2.7mm cup	Curette	All	71
0114217	SS	Sharp spoon, large 4.6x3mm cup	Curette	All	71
0114218	SS	Sharp spoon, extra large 5.7x3.7mm cup	Curette	All	71
0108062	SS	Snellen vectis probe	removal of stones, eggs etc	All	62
0108064	SS	Landolt vectis probe	removal of stones, eggs etc	H B	62
0108070	SS	Fine vectis probe	removal of stones, eggs etc	All	62
0105072	SS	Graefe hook, small	Tortoise head retractor	K	60
0120308	SS	Friedman bone nibbler, curved		R Mc P K	93
0114312	SS	Mallet		All	94
0114299	SS	Rollet double ended rugine / periosteal elevator		All	93
0114262	SS	Freer double ended sharp / blunt periosteal elevator		All	93
0114263	SS	Traquair double ended periosteal elevator		All	93
0114084	SS	Straight chisel 3mm		All	85
0114086	SS	Straight chisel 5mm		All	85
0114103	SS	Curved chisel 3mm		All	85
0114105	SS	Curved chisel 5mm		All	85
0114107	SS	Curved chisel 7mm		All	85
0112013		Tray 250x150x20mm for approx 10 instruments			108

# Veterinary Ophthalmic Instruments

## Extraocular

0101073 SS



0101043 SS



0101047 SS



0102009 SS



0103178 SS



0103179 SS



0103182 SS



0103270 SS



0105036 SS



0106048 SS



0101413 SS



0101474 SS



0101475 SS



0103275 SS



0114200 SS



0114198 SS



0108084 SS





### For general surgery including lids, entropion/ectropion, 3 snip and removal of lid lesions

CODE		NAME	FUNCTION	Page No
0101073	SS	St Martin forceps 0.15mm teeth	Tissue holding e.g. conjunctiva	15
0101043	SS	St Martin forceps 0.3mm teeth	Tissue holding	16
0101047	SS	Castroviejo forceps 0.5mm teeth, wide handled	Tissue holding	17
0102009	SS	Castroviejo needle holder, curved, no catch	General suturing	34
0103178	SS	Stevens tenotomy scissors, straight with rounded tips	General use	47
0103179	SS	Stevens tenotomy scissors, curved with rounded tips	General use	47
0103182	SS	Westcott scissors, curved with rounded tips	General use spring scissors	42
0103270	SS	Fine sharp scissors	Punctum 3-snip	50
0105036	SS	Lacrimal dilator	Punctum finder/dilator	77
0106048	SS	Lid plate	Stabilise lid e.g. entropion surgery	73
0101413	SS	Chalazion clamp (Birmingham)	Excision chalazion/ lid lumps	69
0114200	SS	Scalpel blade handle #3	For #15 blades	94
0114198	SS	Scalpel blade handle #9	For #11 blades	94
0101474	SS	Wells artery forceps, straight	Haemostasis	29
0101475	SS	Wells artery forceps, curved	Haemostasis	29
0103275	SS	Utility scissors	Cutting drape etc.	50
0108084		Bishop Harmon set (bulb & cannula)	Irrigating cornea	117

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

0101543	SS	Moorfields serrated forceps	General purpose forceps	1
0204134	SS	Adsons toothed forceps	General use	17
0204132	SS	Adsons serrated forceps	General use	4
0204147	SS	Backhaus towel clip	Fixing drape etc	30
0104142	SS	Lieberman K wire speculum	Adjustable lid speculum	67
0101589	SS	Towel clamp	Fixing drape etc	30
0101472	SS	Halsted Mosquito forceps, straight	Haemostasis	29
0101473	SS	Halsted Mosquito forceps, curved	Haemostasis	29
0101464	SS	Serrafine clip, curved	Suture gripping	31
0101462	SS	Serrafine clip, fine, straight	Suture gripping	31
0109522	Ti	Scleral indentor/depressor	Examination retina/retinal breaks	99
0101265	SS	Bennett cilia forceps	Epilation	26
0120283	SS	Caliper & rule	Accurate measurement	95
0102002	SS	Castroviejo needle holder, straight, locking	Suturing	36
0102005	SS	Castroviejo needle holder, with straight heavy jaws, locking	Suturing	36

# Veterinary Ophthalmic Instruments

## Intraocular

0101073 SS



0103179 SS



0101015 SS



0104083 SS



0101009 SS



0101564 SS



0109316 Ti



0109222 Ti



0109301 Ti



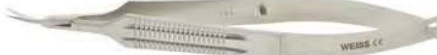
0103019 SS



0103020 SS



0103040 SS



0103083 SS



0102064 SS



0108062 SS



0105074 SS



0108084 SS



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

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

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.

0102011	SS	Castroviejo needle holder curved, no catch	Fine	34
0103106	SS	Vannas scissors, curved	Ultra fine	41
0103105	SS	Vannas scissors, straight	Ultra fine	40
0103085	SS	Ongs scissors, angled	Capsulotomy	45
0109310	Ti	Chopper extra long	Phaco chop technique	51
0109135	Ti	Weiss standard capsulorhexis forceps	Capsulorhexis	22

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