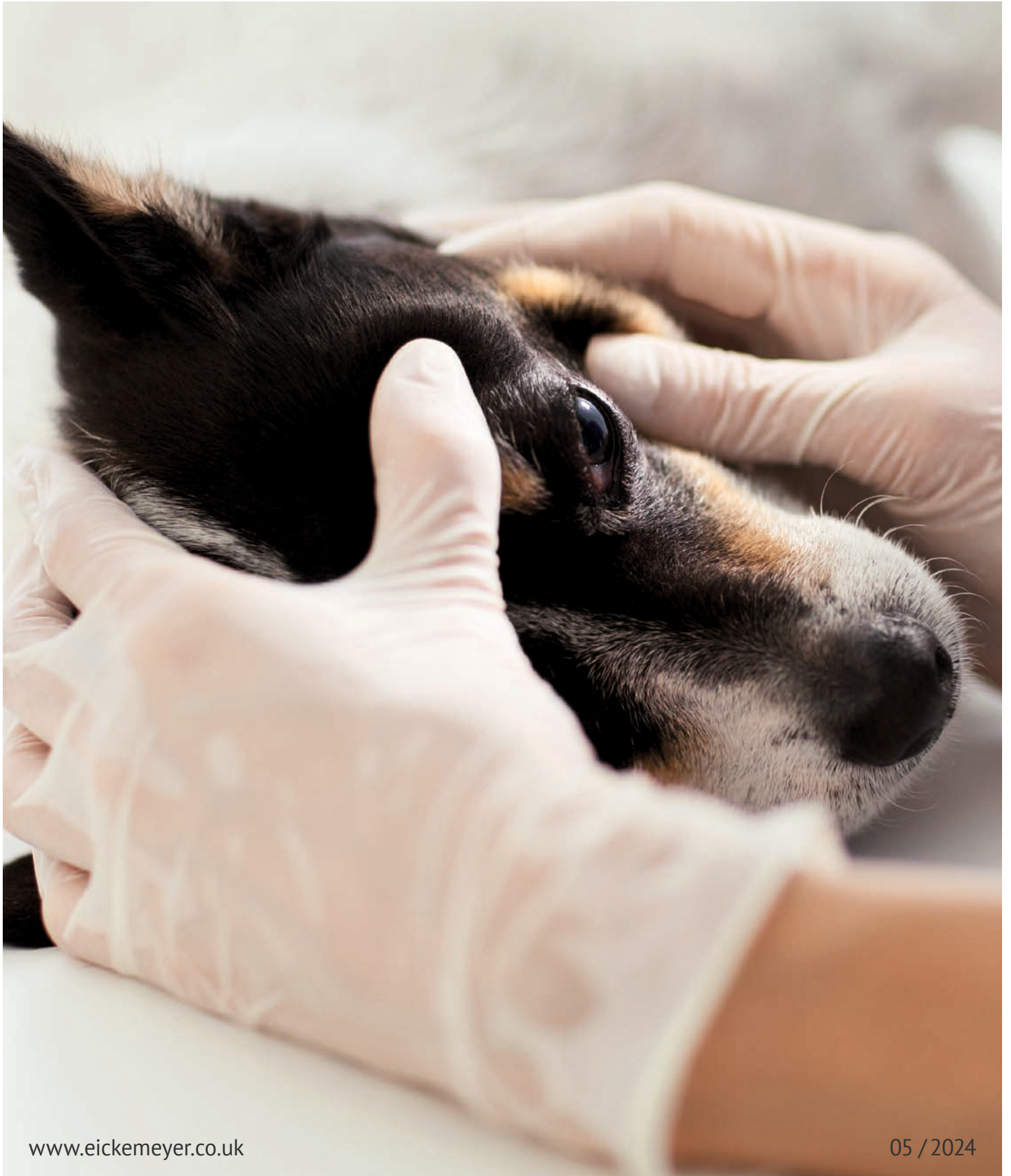


Veterinary Ophthalmology Catalogue

pro
veterinary experts





101780



170008



118111



132812



171807



171522



172514



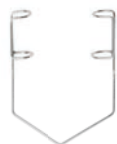
152612



171712



170331



170004



141109



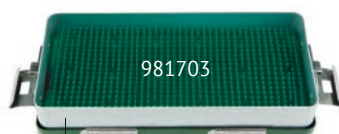
141009



110811



172120



500613

500714

Starter Ophthalmic Kit

This instrument kit provides fundamental equipment for veterinary ophthalmic procedures including eyelid, third eyelid and eyelash surgery, conjunctival and corneal cytology / biopsy and enucleation. The kit has been reviewed and approved by DipECVO MRCVS RCVS and EBVS® European specialists in Veterinary Ophthalmology.

Item. No.		Length mm
171220	Complete Set, consisting of:	
101780	Guarded Scalpels • Size 15 • Pack of 10	150
170008	CASTROVIEJO Eye Speculum	80
118111	STRABISMUS Scissors • Very fine • Blunt/blunt • Curved	115
132812	ADSON Tissue Forceps • Delicate • 1 x 2 teeth	120
171807	ST. MARTINS Forceps • 1 x 2 teeth • Width of the tip: 0.5 mm	90
171522	DESMARRES Chalazion Forceps • Size 2	90
172514	CASTROVIEJO Needle Holder • With Lock • Curved	140
152612	OLSEN-HEGAR Needle Holder (TC) • With scissors section for cutting sutures	120
171712	LANDOLT Enucleation Scissors • Curved	130
170331	KUHN-T CORNEAL SCRAPER	135
170004	BARRAQUER Eye Speculum	40
141109	2x HARTMANN Artery Forceps • Curved	100
141009	2x HARTMANN Artery Forceps • Straight	100
110811	STEVEN'S Tenotomy Scissors • Straight • Blunt/blunt • Fine	110
172120	WESTCOTT Scissors • Curved • Blunt	110
500613	Instrument Box Base • Dimensions (in cm): L 30 x D 14 x H 3	
500714	Instrument Box Lid • Perforated • With textile filter and label holder • Colour: green	
981703	Fingered Silicone Insert • Sterilisable • Dimensions (in cm): L 27.5 x D 12.5 x H 1.0	

Advanced Ophthalmic Kit

This instrument kit provides the necessary instrumentation for a veterinary surgeon to perform corneal, conjunctival and intraocular procedures.

The kit was created in collaboration with a diplomat from the European College of Veterinary Ophthalmology.

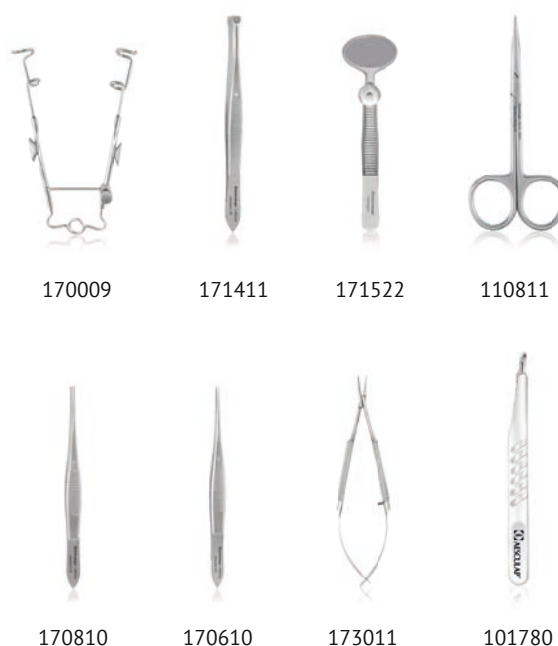
Item No.		Length mm
171230	Complete Set, consisting of:	
170512	CASTROVIEJO Cyclodialysis Spatula • Dual-ended	150
170464	WEBER Wire Loop	130
101710	BEAVER Scalpel Handle • Finger lock grip	100
172111	CASTROVIEJO Corneal Scissors • Curved, right	100
172110	CASTROVIEJO Corneal Scissors • Curved, left	100
173011	BARRAQUER Needle Holder • Curved	110
171510	TÜBINGEN Suture Forceps	100
171105	BARRAQUER Colibri Forceps • Tip width: 0.5 mm, tip curve: 45°	70
171503	CASTROVIEJO Suture Forceps • Tip width: 0.3	100
110911	STEVENS Tenotomy Scissors • Fine • Curved	110
171309	ARRUGA Capsule Forceps	100
170340	JAMESON Strabismus / Muscle Hook	135
500613	Instrument Box Base • Dimensions (in cm): L 30 x D 14 x H 3	
500712	Instrument Box Lid • Perforated • With textile filter and label holder • Colour: red	
981703	Fingered Silicone Insert • Sterilisable	



Mini Ophthalmic Kit

This kit contains the basic equipment for veterinary ophthalmic surgery on the eyelid.

Item No.		Length mm
171210	Complete Set, consisting of:	
170009	GRÄFE Eyelid Retractor	90
171411	GRÄFE Fixation Forceps • With Pin	110
171522	Chalazion Forceps Desmarres • Size 2	90
110811	STEVENS Tenotomy Scissors • Fine, blunt/blunt, straight	110
170810	GRÄFE Iris Forceps • 1 x 2 teeth, straight	100
170610	GRÄFE Iris Forceps • Straight	100
173011	BARRAQUER Needle Holder • Curved	110
101780	Guarded Scalpels • Size 15 • Pack of 10	150





118309



118309



118310

SuperCut Scissors (MC)

- Designed with micro-fine serrations on one blade to prevent soft tissue slipping while the opposing razor sharp blade cuts with minimal tissue trauma
- German stainless steel construction and blade design allows for a much longer working life before sharpening is required
- Ergonomically designed ring handles improve instrument control, provide a better feel when dissecting tissue and help reduce hand fatigue

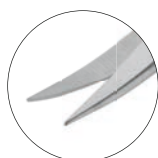
Item. No.		Length mm	Form
118309	SuperCut Iris Scissors (MC)	90	straight
118310	SuperCut Iris Scissors (MC)	90	curved
118311	SuperCut Iris Scissors (MC)	115	straight
118312	SuperCut Iris Scissors (MC)	115	curved



110609



110609



110709

Iris Scissors

- Ideal for general and ophthalmic surgery
- Delicate cutting for precision work

Item. No.		Length mm	Form
110609	Iris Scissors	90	straight
110709	Iris Scissors	90	curved
110611	Iris Scissors	110	straight
110711	Iris Scissors	110	curved
110011	Iris Scissors (TC) • EICKEMEYER® Lifetime Warranty	115	straight
110111	Iris Scissors (TC) • EICKEMEYER® Lifetime Warranty	115	curved



110811



110811



110911



111011

STEVENS Tenotomy Scissors

- Designed with a long shank to blade ratio, which helps provide a steady grip while maintaining greater precision cutting
- Very useful in small confined areas

Item. No.		Length mm	Form
110811	STEVENS Tenotomy Scissors • Fine • Blunt/blunt	110	straight
110911	STEVENS Tenotomy Scissors • Fine • Blunt/blunt	110	curved
111011	STEVENS Tenotomy Scissors • One blade with a button tip • Blunt/sharp	115	straight

METZENBAUM Scissors

- Many surgeons prefer METZENBAUM scissors because of their longer shank to blade ratio, which provides greater control
- These scissors are suitable for cutting through delicate tissues
- For surgeons who make heavy demands of their instruments we recommend the tungsten carbide version

Item. No.		Length mm	Form
118011	METZENBAUM Scissors	115	straight
118111	METZENBAUM Scissors	115	curved
116011	METZENBAUM Scissors (TC)	115	straight
116111	METZENBAUM Scissors (TC)	115	curved



118011



118011



118111

LANDOLT Enucleation Scissors

Curved scissors designed with blunt tips to assist in the dissection of the optic nerve and surrounding tissue from the eyeball.

Item. No.		Length mm	Form
171712	LANDOLT Enucleation Scissors	130	curved



CASTROVIEJO Scissors

- Designed with fine tips and a double leaf spring mechanism for self-opening action
- The ridged handle and guide pin enhances instrument control

Item. No.		Length mm	Form
171710	CASTROVIEJO Iridectomy Scissors	100	curved
172111	CASTROVIEJO Corneal Scissors	100	curved, right
172110	CASTROVIEJO Corneal Scissors	100	curved, left



171710



171710



172111



172110



VANNAS Cataract Scissors

- Designed with extra thin angled blades and a double leaf spring mechanism for self-opening action
- The ridged handle enhances instrument control

Item. No.		Length mm	Form
172208	VANNAS Cataract Scissors <ul style="list-style-type: none"> • Sharp/sharp 	85	curved



WESTCOTT Scissors

- Designed with curved blades and double leaf spring mechanism for self-opening action
- Useful for cutting delicate tissue

Item. No.		Length mm	Form
172120	WESTCOTT Scissors <ul style="list-style-type: none"> • Blunt/blunt 	110	curved



ARRUGA Capsule Forceps

Designed with downward curving tips at a 45° angle and ridged linear grip to enhance instrument grip.

Item. No.		Length mm
171309	ARRUGA Capsule Forceps	100

GILL-ARRUGA Capsule Forceps

Designed with a fine down curving pointed tip and ridged linear shank for a comfortable grip. This instrument is suitable for the handling of delicate ocular tissues. Capsule forceps are usually suitable for removing the capsule and are also used to open the capsule.

Item. No.		Length mm
171307	GILL-ARRUGA Capsule Forceps	75

**HESS Capsule Forceps**

Opposing surfaces have a row of fine teeth with fine double curving pointed tips and ridged shank to enhance grip. Capsule forceps are usually suitable for removing the capsule and are also used to open the capsule.

Item. No.		Length mm
171306	HESS Capsule Forceps	65

**BISHOP-HARMON Iris Forceps**

The flat, straight and smooth shank with 3 holes provide excellent grip. For grasping eyelids or conjunctiva.

Item. No.		Length mm
171108	BISHOP-HARMON Iris Forceps	85
	<ul style="list-style-type: none"> • 1 x 2 teeth • Width: 0.5 mm 	





170610



170910



GRÄFE Iris Forceps

Designed with a ridged shank and guide pins for excellent instrument grip / control. For grasping eyelids or conjunctiva during surgery.

Item. No.		Length mm	Form
170610	GRÄFE Iris Forceps	100	straight
170710	GRÄFE Iris Forceps	100	curved
170810	GRÄFE Iris Forceps • 1 x 2 teeth	100	straight
170910	GRÄFE Iris Forceps • 1 x 2 teeth	100	curved



HESS (Colibri) Iris Forceps

Designed for holding flaps of cornea or sclera and a ridged shank for improved instrument grip. For grasping eyelids or conjunctiva during surgery.

Item. No.		Length mm
171007	HESS (Colibri) Iris Forceps • 1 x 2 teeth	70



BARRAQUER (Colibri) Forceps

Designed with ridged, long, straight and flat shank with long holes on each side.

Item. No.		Length mm
171105	BARRAQUER (Colibri) Forceps • 1 x 2 teeth • Tip width: 0.5 mm • Tip curve: 45°	70

BARRAQUER-KATZIN (Colibri) Forceps

Designed with ridged, straight and flat shank to enhance instrument grip.

Item. No.		Length mm
171107	BARRAQUER-KATZIN (Colibri) Forceps <ul style="list-style-type: none"> • Tip width: 0.12 mm • Tip angle: 90° • Interdigitating teeth 	70

**CASTROVIEJO Suture Forceps**

Designed with straight shaft tips with extremely delicate teeth and a 5.5 mm tying platform.

Item. No.		Length mm
171503	CASTROVIEJO Suture Forceps <ul style="list-style-type: none"> • Tip width: 0.3 mm 	100
171505	CASTROVIEJO Suture Forceps <ul style="list-style-type: none"> • Tip width: 0.5 mm 	100



171503

ST. MARTIN Corneal Forceps

Very fine toothed forceps used in handling cornea.

Item. No.		Length mm
171807	ST. MARTIN Corneal Forceps <ul style="list-style-type: none"> • 1 x 2 teeth • Width of the tip: 0.5 mm 	90





171510



172035



Suture Forceps

Item. No.		Length mm	Form
171510	TÜBINGEN Suture Forceps <ul style="list-style-type: none"> • Without teeth • 6.5 mm platform • With thread plates for threading 	100	straight
172035	HARMS Thread Forceps <ul style="list-style-type: none"> • Without teeth • 6 mm platform • For threads from 7-0 to 9-0 	100	curved



173011



BARRAQUER Needle Holders

- Ideal for fine suturing in the anterior chamber
- Round knurled ridged handles
- Without lock

Item. No.		Length mm	Form
173011	BARRAQUER Needle Holder	110	curved
173012	BARRAQUER Needle Holder	130	curved



BARRAQUER-TROUTMAN Needle Holder

- Ideal for fine suturing in the anterior chamber
- Round knurled ridged handles with an automatic locking mechanism

Item. No.		Length mm	Form
173010	BARRAQUER-TROUTMAN Needle Holder	100	curved

BOYNTON Needle Holder (TC)

- Designed with cross-serrated jaws to firmly hold needles and a single spring mechanism for self-opening action
- A multi-position ratchet provides controlled grip pressure and smooth grip release

Item. No.		Length mm	Form
173112	BOYNTON Needle Holder (TC)	120	straight

**CASTROVIEJO Needle Holders**

- The ridged handles help enhance instrument grip and control
- Double leaf spring mechanism
- Locking mechanism

Item. No.		Length mm	Form
172414	CASTROVIEJO Needle Holder	140	straight
172514	CASTROVIEJO Needle Holder	140	curved

**DOUGLAS Cilia Forceps**

Designed with fine horizontal serrations that help correct abnormal growth of lashes from the posterior lamella (e.g. distichiasis).

Item. No.		Length mm
170309	DOUGLAS Cilia Forceps	90

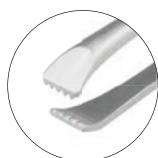




GRADLE Cilia Forceps

- Suitable for correcting abnormal growth of lashes from the posterior lamella (e.g. distichiasis)
- Smooth, squared off positive gripping jaws
- Double leaf spring mechanism

Item. No.	Length mm
170310 GRADLE Cilia Forceps	95



GRÄFE Fixation Forceps

Jaws are designed with interdigitating teeth to provide a firm grip on eyelashes. To fix the eyelid during surgery or to hold tissue in place.

Item. No.	Length mm
171411 GRÄFE Fixation Forceps • With pin	110
171412 GRÄFE Fixation Forceps • With lock	110

171411



DESMARRES Chalazion Forceps

Chalazion or entropion forceps are a surgical ophthalmic instrument used to hold, manipulate, squeeze, pull or bind ocular tissue or surrounding tissue during a surgical procedure.

- Designed with a solid lower plate and an open upper plate
- A locking thumb screw allows both hands to be kept free

Item. No.	Length mm
171522 DESMARRES Chalazion Forceps • Size 2	90

KNAPP Conjunctiva Forceps

Thumb forceps with a grooved handle and large apertures to help grasp the conjunctiva.

Item. No.		Length mm
171611	KNAPP Conjunctiva Forceps	110

**STADES Nictating Forceps**

- Thumb forceps with two locking mechanisms designed specifically for third eyelid surgery
- Lower plate is solid and the upper plate is semi-curved

Item. No.		Length mm
171609	STADES Nictating Forceps	95

**CASTROVIEJO Cyclodialysis Spatula**

Designed with a smooth, straight, flat, delicate handle and dual-ended delicate sharp tips.

- Surgical instrument for use in ciliary body detachment

Item. No.		Length mm
170512	CASTROVIEJO Cyclodialysis Spatula	150
	• Dual-ended	





KUHNT Corneal Scraper

Designed with a delicate sharp tip at a 45° angle on a flat handle.

Item. No.		Length mm
170331	KUHNT Corneal Scraper	135



JAMESON Strabismus / Muscle Hook

Designed to elevate the muscle tissue for dissection and reattachment.

Item. No.		Length mm
170340	JAMESON Strabismus / Muscle Hook	135



GRÄFE Iris Hook

Designed with a sharp hook and a polished flat handle. For intraoperative pupil dilation

Item. No.		Length mm
170440	GRÄFE Iris Hook • Blunt	120

GASS Retinal Detachment Hook

Designed with an oval hole that helps securely place a retaining suture on ocular muscles.

Item. No.		Length mm
170441	GASS Retinal Detachment Hook <ul style="list-style-type: none"> Oval aperture: 1.5 mm diameter Hook length: 13 mm 	140

**MEYHOEFER Chalazion Curettes**

Designed with a sharp ended curette and a straight, flat, delicate handle. For the removal of chalazions and abscesses.

Item. No.		Length mm
170420	MEYHOEFER Chalazion Curette <ul style="list-style-type: none"> Ø 2.0 mm 	130
170425	MEYHOEFER Chalazion Curette <ul style="list-style-type: none"> Ø 2.5 mm 	130



170420

GRÄNITZ Eyelid Spatula

Designed to help protect the delicate structure of the eyelid during incision.

Item. No.		Length mm
170221	GRÄNITZ Eyelid Spatula <ul style="list-style-type: none"> Size 1 10 mm 	77
170222	GRÄNITZ Eyelid Spatula <ul style="list-style-type: none"> Size 2 16 mm 	77
170223	GRÄNITZ Eyelid Spatula <ul style="list-style-type: none"> Size 3 22 mm 	77
170224	GRÄNITZ Eyelid Spatula <ul style="list-style-type: none"> Size 4 25 mm 	77

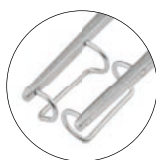




BARRAQUER Speculum

Wire speculum designed with fenestrated blades to help keep the eyelids retracted.

Item. No.	Length mm	
170004	BARRAQUER Speculum	40



CASTROVIEJO Speculum

- Designed with straight adjustable arms and open blades
- Locking mechanism allows for fine control

Item. No.	Length mm	
170008	CASTROVIEJO Speculum	80



GRÄFE Eyelid Retractor

Wire retractor with a fine control mechanism to minimise friction.

Item. No.	Length mm	
170009	GRÄFE Eyelid Retractor	90

DESMARRES Retractors

Designed with a smooth curved blunt blade to help manually retract the eyelid.

Item. No.		Length mm
170114	DESMARRES Retractor • Size 2	140
170116	DESMARRES Retractor • Size 3	160



170114

KNOLLE-PEARCE Irrigating Vectis

Designed to gently remove the nucleus by using mechanical and hydrostatic forces.

Item. No.		Length mm
441120	KNOLLE-PEARCE Irrigating Vectis	50

**WEBER Wire Loop**

Designed with a delicate, long loop on a straight, flat handle.

Item. No.		Length mm
170464	WEBER Wire Loop • Length loop: 5 mm	130

**BOWMAN Lacrimal Probe**

- Helps to determine the functional status of the lacrimal drainage system
- Can also be used to help perform a dacryocystorhinostomy

Item. No.		Length mm
170470	BOWMAN Lacrimal Probe • Size 0/00	130

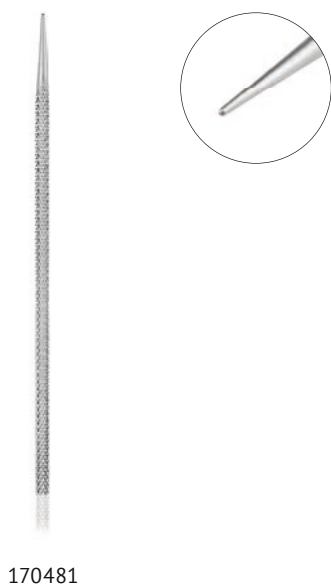




KELLNAR Lacrimal Dilators and Tubes

- Helps to determine the functional status of the lacrimal drainage system
- Silicone tubing can be used to irrigate and aspirate with the dilator

Item. No.		Length mm
170486	KELLNAR Lacrimal Dilator • Left	85
170487	KELLNAR Lacrimal Dilator • Right	85
170490	KELLNAR Lacrimal Dilator • Dual-ended	145
170503	KELLNAR Probe Silicone Tube • Inner Ø: 0.3 mm	1,000
170505	KELLNAR Probe Silicone Tube • Inner Ø: 0.5 mm	1,000
170507	KELLNAR Probe Silicone Tube • Inner Ø: 0.7 mm	1,000



WILDER Lacrimal Dilators

Designed with a tapered blunt tip and a round knurled handle.

Item. No.		Length mm
170481	WILDER Lacrimal Dilator • Fig 1 • Taper length: 20 mm (pointy tip)	110
170482	WILDER Lacrimal Dilator • Fig 2 • Taper length: 15 mm (medium tip)	110
170483	WILDER Lacrimal Dilator • Fig 3 • Taper length: 10 mm (blunt tip)	110



CASTROVIEJO Caliper

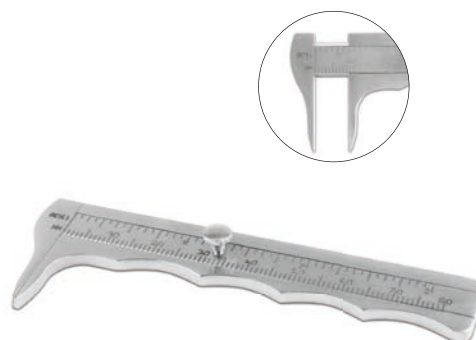
- Ideal for ophthalmologic and orthopaedic procedures (TPLO)

Item. No.		Length mm
173554	CASTROVIEJO Caliper • Increments: 0.5 mm • Maximum measurement: 20 mm	85

JAMESON Caliper

Graduated in inches and mm with thin tips, chrome.

Item. No.		Length mm
170120	JAMESON Caliper • Measurement range: 0 – 80 mm	100

**Lacrinal Cannulae**

- Suitable for flushing purulent debris through the nasolacrimal duct
- Includes Luer hub

Item No.		Length mm	Form
440605	ANEL Lacrimal Cannula • 0.6 x 15 mm	45	straight
440705	ANEL Lacrimal Cannula • 90° • 0.6 x 15 mm	40	curved
441100	BONN Irrigating Cannula • Robust • Ø 1.4 mm (front) • Ø 1.2 mm (back)	35	curved
441101	BONN Irrigating Cannula • Fine	30	curved
441007	Lacrimal Duct Cannula • Tapered • 0.6 x 25 mm	30	curved
440805	Lacrimal Duct Cannula • Olive tip • 0.6 x 30 mm	45	straight
440905	Lacrimal Duct Cannula • Olive tip • 0.6 x 33 mm	40	curved



440605



440705



441100



441007



440805



440905



050889



050889



050893



050894

EickFil Ophthalmic Suture Material – PGA

- Type: Braided and coated multifilament
- Coating: Polycaprolactone and calcium stearate (1 %)
- Colour: violet / beige – undyed
- Tissue reaction: Minimal
- Absorption: The hydrolytic action by which the material is broken down results in total absorption in approximately 60 to 90 days. Approximately 50 % of tensile strength remain after 21 days.
- Presentation: Box with 12 individually packed sterile sutures

Characteristics

- High tensile strength
- Synthetic
- Breaks down by hydrolysis
- Braided structure
- Coated multifilament
- Hermetically sealed packing

Item. No.		Length cm
050889	EickFil PGA <ul style="list-style-type: none"> • USP 9/0, EP 0.3 • 3/8 circle, DSP 6.4 mm 200 µm • Side cutting spatula • Colour: violet 	30
050890	EickFil PGA <ul style="list-style-type: none"> • USP 6/0, EP 0.7 • 3/8 circle, DS 12 mm • Reverse cutting • Colour: violet 	45
050891	EickFil PGA <ul style="list-style-type: none"> • USP 3/0, EP 2 • 3/8 circle, DS 19 mm, easy pass • Reverse cutting • Colour: undyed 	50
050892	EickFil PGA <ul style="list-style-type: none"> • USP 3/0, EP 2 • 3/8 circle, DS 24 mm • Reverse cutting • Colour: undyed 	75
050893	EickFil PGA <ul style="list-style-type: none"> • USP 6/0, EP 0.7 • 1/2 circle, HR 17 mm • Round bodied taper point • Colour: violet 	75
050894	EickFil PGA <ul style="list-style-type: none"> • USP 10/0, EP 0.2 • 3/8 circle, 2 x DSP 6.2 mm 150 µm • Side cutting spatula double armed • Colour: violet 	30
050895	EickFil PGA <ul style="list-style-type: none"> • USP 9/0, EP 0.3 • 3/8 circle, 2 x DSP 6.4 mm 200 µm • Side cutting spatula double armed • Colour: violet 	30
050896	EickFil PGA <ul style="list-style-type: none"> • USP 8/0, EP 0.4 • 3/8 circle, 2 x DSP 6 mm 200 µm • Side cutting spatula double armed • Colour: violet 	45
050897	EickFil PGA <ul style="list-style-type: none"> • USP 7/0, EP 0.5 • 3/8 circle, 2 x DSP 8 mm 200 µm • Side cutting spatula double armed • Colour: violet 	45
050898	EickFil PGA <ul style="list-style-type: none"> • USP 6/0, EP 0.7 • 1/4 circle, 2 x VSP 8 mm 300 µm • Side cutting spatula double armed • Colour: violet 	45

EickFil Ophthalmic Suture Material – Nylon

- Type: Monofilament
- Composition: Extrusion of polyamide 6.0 or 6.6
- Coating: None
- Colour: black
- Tissue reaction: Minimal
- Absorption: Non absorbable, gradually encapsulated by connective tissue. The thread mass diminishes, approximately 10 % a year by rupture of chemical links (hydrolytic action).
- Presentation: Box with 12 individually packed sterile sutures

Characteristics

- High tensile strength, non absorbable
- Synthetic
- Monofilament with microscopic uniform diameter
- Pliability and softness
- Hermetically sealed packing

Item. No.		Length cm
050899	EickFil Nylon <ul style="list-style-type: none"> • USP 10/0, EP 0.2 • 3/8 circle, 2 x DSP 6.4 mm 220 µm • Side cutting spatula double armed 	45
050900	EickFil Nylon <ul style="list-style-type: none"> • USP 9/0, EP 0.3 • 3/8 circle, 2 x DSP 6.2 mm 150 µm • Side cutting spatula double armed 	45



050899



050900

EickFil Ophthalmic Suture Material – Silk

- Type: Braided multifilament
- Composition: Braided fibres from the cocoon of the silkworm
- Coating: Waxes Silicone
- Colour: black
- Tissue reaction: Moderate
- Absorption: Silk suture elicits an initial inflammatory reaction in tissues, which is followed by gradual encapsulation of the suture by fibrous connective tissues.
- Presentation: Box with 12 individually packed sterile sutures

Characteristics

- High tensile strength, non absorbable
- Braided or twisted structure
- Coated multifilament
- Hermetically sealed packing

Item. No.		Length cm
050901	EickFil Silk <ul style="list-style-type: none"> • USP 4/0, EP 1.5 • 3/8 circle, DS 19 mm • Reverse cutting 	45





Fine Surgical Blades

- For ocular, neuro and other micro-surgical procedures
- Superior blades that can be "locked" into the Beaver surgical handle
- 25 per pack

Item. No.		Length mm
101763	Fine Surgical Blade • Size 63 • Sharp on two sides, pointed tip	
101764	Fine Surgical Blade • Size 64 • Sharp on one side, rounded tip	
101765	Fine Surgical Blade • Size 65 • Blade size 11 alternative	
101769	Fine Surgical Blade • Size 69 • Sharp on two sides, rounded tip	
101710	Beaver Scalpel Handle • Finger lock grip	100
101715	Beaver Scalpel Handle • Handle lock grip	155

Intraocular Silicone Prosthesis

- Constructed from black silicone with low immunoreactive characteristics
- Helps improve cosmetic results post enucleation
- Range of sizes available



Item. No.		Length mm
173500	Eye Implant Introducer	125
173514	Silicone Prosthesis	14
173515	Silicone Prosthesis	15
173516	Silicone Prosthesis	16
173517	Silicone Prosthesis	17
173518	Silicone Prosthesis	18
173519	Silicone Prosthesis	19
173520	Silicone Prosthesis	20
173521	Silicone Prosthesis	21
173522	Silicone Prosthesis	22
173523	Silicone Prosthesis	23
173524	Silicone Prosthesis	24
173526	Silicone Prosthesis	26
173528	Silicone Prosthesis	28
1735290030	Silicone Prosthesis	30
1735290033	Silicone Prosthesis	33
1735290036	Silicone Prosthesis	36
1735290038	Silicone Prosthesis	38
1735290040	Silicone Prosthesis	40
1735290043	Silicone Prosthesis	43
1735290045	Silicone Prosthesis	45
1735290047	Silicone Prosthesis	47
1735290050	Silicone Prosthesis	50
1735290052	Silicone Prosthesis	52
1735290055	Silicone Prosthesis	55
1735290060	Silicone Prosthesis	60

AlgerBrush II Corneal Diamond Burr

The AlgerBrush II is a battery powered, handheld, low torque motorised burr. It has been designed to remove foreign bodies from the cornea or sclera of patients.

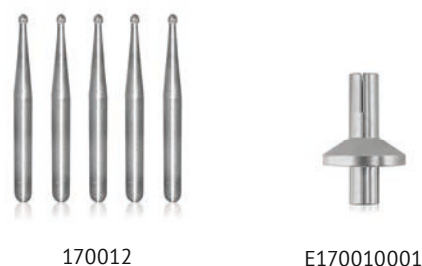
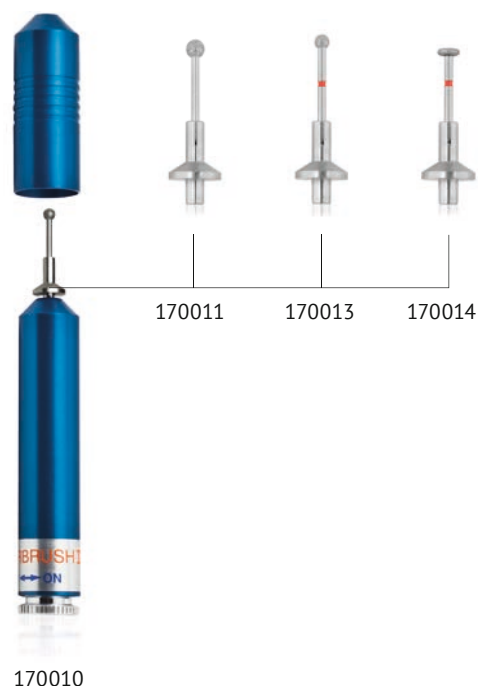
The burr in this rotary instrument is used as a “brush” rather than a drill and the foreign bodies are thus “brushed” from the eye leaving a smooth surface, which in turn heals much faster than with other instruments that could be used for this purpose.

AlgerBrush II Unit includes 3.5 mm Round Medium Grit Diamond Burr.

*According to the paper “Veterinary Ophthalmology” ([2013] 16, 2, 83 – 88), the AlgerBrush II has been successfully used to treat spontaneous corneal epithelial defects (SCCEDs) in dogs, in combination with a bandage contact lens.

Item. No.

170010	AlgerBrush II Unit <ul style="list-style-type: none"> Incl. Ø 3.5 mm Diamant Burr
170011	AlgerBrush II Corneal Diamond Burr <ul style="list-style-type: none"> Ø 3.5 mm Chuck attachment included
170013	AlgerBrush II Corneal Diamond Burr <ul style="list-style-type: none"> Ø 2.5 mm
170012	AlgerBrush II Corneal Burrs <ul style="list-style-type: none"> Ø 1 mm 5 per pack
170014	AlgerBrush II Diamond Grinding Wheel <ul style="list-style-type: none"> Ø 4 mm Fine With chuck Convenient for recurrent corneal erosion
E170010001	Spare Chuck for AlgerBrush II



Bausch & Lomb PureVision® 2 Bandage Contact Lenses

Contact bandage lenses act as a protective shield on the cornea. They permit corneal repair and improve patient comfort by preventing contact between damaged cornea and eyelids.

Recommendation to use for:

Corneal ulceration: to reduce pain and to retain tear film over ulcerated area to aid healing.

Corneal edema: may prevent rupture of epithelial bullae and reduce discomfort caused by abrasion of ulcers.

Adnexal problems: distichiasis, entropion, ectopic cilia – to reduce corneal abrasion until surgery can be performed.

Traumatic injury: laceration or perforation.

- High definition optics offers a clear and sharp view
- Excellent stabilisation
- Comfortable contact lens wear for up to 30 days and nights
- Ensures an optimal supply of oxygen to the cornea and makes eyes look clear
- Packaging: 6 lenses per box

Item. No.

173540	Bausch & Lomb PureVision® 2 Bandage Contact Lenses
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173443



173446



CryoIQ® Liquid Device

Cryosurgery (cryotherapy) is the local application of extreme cold for a controlled destruction or removal of abnormal or diseased tissue. The compact, portable CryoIQ® hand-held device uses Nitrous Oxide cartridges as a cryogen with a freezing temperature of -89 °C and once punctured the Nitrous Oxide is delivered with a 50 bar (725 psi) pressure to the lesion which allows the veterinarian a fast and effective treatment.

- Simple pencil type grip for an easy and very accurate application
- Fine metal cap ensures a better shelf life for the cartridges
- Practically painless and bloodless procedure
- Ideal for ophthalmic or dermatological treatments
- Freezing temperature: Liquid freezing, -89 °C
- Level of cold generated is adjusted by the rate at which the metering lever is depressed
- Gas cartridge: 16 g or 25 g filled with medical sterile Nitrous Oxide gas (N₂O) and has built-in filter (5 µm)
- Warranty: 1 year for the applicator, 2 years after product registration

CryoIQ® DERM plus Liquid device provides mm precision freezing to the treatment site through micro capillaries.

CryoIQ® PRO Liquid device provides precise treatment of the affected skin areas without damage to the surrounding healthy tissue.

CryoIQ® PRO Liquid device advantages:

- Better for larger lesions
- Inter exchangeable tips
- Higher freezing effect
- Longer tips makes it easier to treat hairy animals

Item. No.

173443	CryoIQ® DERM plus Liquid Device <ul style="list-style-type: none"> • Includes: D1 Standard Tip (Ø 1 – 6 mm, 60 µm, L 22 mm), gas cartridge N₂O (25 g), freeze limiter, case for storage, user guide
173446	CryoIQ® PRO Liquid Device <ul style="list-style-type: none"> • Includes: D1 Standard Tip (Ø 1 – 6 mm, 60 µm, L 22 mm), D2 Dermatology Tip (Ø 7 – 18 mm, 80 µm, L 22 mm), gas cartridge N₂O (25 g), freeze limiter, case for storage, user guide
17344601	D3 Dermatology Tip for CryoIQ® PRO <ul style="list-style-type: none"> • Due to its high flow rate, it is suitable for particularly large lesions • Ø 9 – 22 mm, 100 µm, L 22 mm
173445	CryoIQ® Cartridge <ul style="list-style-type: none"> • Content: 25 g
17344504	N ₂ O Cartridge for CryoIQ® <ul style="list-style-type: none"> • Pack of 4 pieces • Content: 4x 25 g

Cautery Pen

- Precise cauterisation thanks to the very fine tip (28 mm)
- Easy to use
- Operating temperature: 600 °C
- Individual sterile packaging
- For single use only

Item. No.

173430	Cautery Pen
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Sugi Swabs

- Sugi absorbent materials are especially suitable for dabbing those areas where special care must be taken (e.g. neural structures and ophthalmic tissue)
- Sugi absorbent materials are manufactured from cellulose material
- The material undergoes soft /elastic expansion immediately upon contacting moisture
- The absorptive capacity is approximately 17 times its own weight

Item. No.		Length mm
166520	Sugi Swab <ul style="list-style-type: none"> • Wedge tip • Set of 200 (10 per pack – sterile) 	70
166530	Sugi Swab <ul style="list-style-type: none"> • Cylindrical • 500 per pack 	70



166520



166530

SCORE® Ergo Support Chair

The SCORE® Ergo Support Chair is specially developed for ophthalmologists. It allows an ergonomic sitting position and offers you comfortable support during long periods of seated work. Special features of the SCORE® Ergo Support chair are its ergonomically shaped armrests. They can be brought close to the body and provide your forearms optimal support. The height adjustment of the armrests allows an upright sitting position when using a microscope or other precision instrument. The Ergo Support helps you to assume a relaxed posture: the neck, shoulders and back are relieved.

- Easy height adjustment, seat and back angle
- SCORE® Ergo Shape seat with rounded corners ensure an active sitting position
- Compact lumbar support can be easily positioned in the lumbar region
- Strong aluminium base with large wheels for easy manoeuvrability

Technical specifications

- Height adjustment (with foot control): 52 – 71 cm
- Working height: 80 – 90 cm
- Seat dimensions: Ø 40 cm
- Lumbar support (in cm): D 33 x H 23
- Foot cross dimensions: Ø 68 cm
- Armrests (compact triangular shape): 115° rotation, height adjustment: max. 11 cm
- Armrest upholstery (in cm): L 15 x H 3 x D 40 (swinging)

Item. No.	
610060	SCORE® Ergo Support Chair





329000



329001



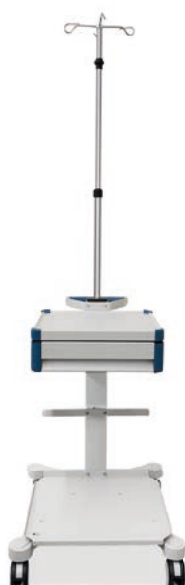
329002



329005



329006



329007

EICKEMEYER® PhacoVet

The EICKEMEYER® PhacoVet has been specially designed and developed for the requirements of veterinary medicine. The device can be used for phacoemulsification and vitrectomy in small animals and horses. The system and the associated instruments have been extensively tested and optimised in cooperation with renowned specialists.

Its simplicity and robustness, as well as the focus on core features, make the PhacoVet unique. The compact device can be operated as stationary in the practice or brought to the patient as a mobile unit. Due to the quick and easy commissioning, you are ready to go anywhere immediately.

With service centres in Germany and Switzerland, a professional and fast service is available for spare parts, deliveries, repairs, maintenance work and technical queries.

- Developed and optimised for veterinary medicine
- Focus on core features required in veterinary
- Simple handling and ease of use
- Robust, compact and mobile
- Transportability and easy commissioning
- Reusable components reduce waste and cost
- Professional service, repair and maintenance

Item. No.

329000	EICKEMEYER® PhacoVet
329001	Foot Switch for PhacoVet
329002	Transportation Case for PhacoVet

Accessories for EICKEMEYER® PhacoVet

Item. No.

329005	I/A Hose System for PhacoVet
329006	Pump Hose System for PhacoVet
329007	Equipment Trolley for PhacoVet

EICKEMEYER® PhacoVet Small Animal Starter Set (Phaco)

Item No.	Quantity
329100	Complete Set, consisting of:
329000	EICKEMEYER® PhacoVet 1
329001	Foot Switch for PhacoVet 1
329005	I/A Hose System for PhacoVet 2
329006	Pump Hose System for PhacoVet 2
329020	Phaco Handpiece, 28 kHz 1
329023	Phaco Needle, 20G, 30° 2
329028	Phaco Key, plastic 2
329034	Silicone Sleeve, 20G 2
329030	Test Chamber 2
329051	Aspiration Handle, Cannula rough tip, 21G 1
329054	Irrigation Handle, Cannula polished, 21G 1



329000



329001



329005



329006



329020



329023



329028



329034



329030



329051



329054

EICKEMEYER® PhacoVet Equine Starter Set (Vitrectomy)

Item No.	Quantity
329200	Complete Set, consisting of:
329000	EICKEMEYER® PhacoVet 1
329001	Foot Switch for PhacoVet 1
329002	Transportation Case for PhacoVet 1
329005	I/A Hose System for PhacoVet 2
329006	Pump Hose System for PhacoVet 2
329010	Vitrectomy Drive, for horses 1
329011	Vitrectomy Cutting Head, for horses, 15G 1
329014	Vitrectomy Irrigation Trocar, for horses 1



329000



329001



329002



329005



329006



329011



329010

Handpieces and Needles for EICKEMEYER® PhacoVet

Item. No.	
329020	Phaco Handpiece, 28 kHz
329021	Phaco Needle, 19G, 30°
329022	Phaco Needle, 19G, 30° curved
329023	Phaco Needle, 20G, 30° <ul style="list-style-type: none">• Standard size – most commonly used
329024	Phaco Needle, 20G, 30° curved
329025	Phaco Needle, 22G, 30°
329026	Phaco Needle, 22G, 30° curved
329027	Phaco Key, metal
329028	Phaco Key, plastic
329029	Phaco Key, plastic, curved
329030	Test Chamber



329020



329023



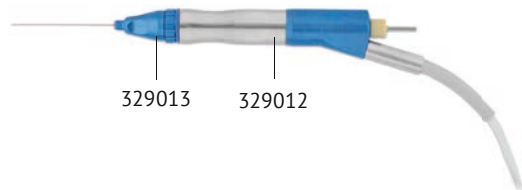
329028



329030



329034



329013

329012



329040



329041



329051



329054

Silicone Sleeves for EICKEMEYER® PhacoVet

Item. No.

329033	Silicone Sleeve, 19G
329034	Silicone Sleeve, 20G
329035	Silicone Sleeve, 22G

Vitrectomes and Trocar for EICKEMEYER® PhacoVet

Item. No.

329010	Vitreotomy Drive, for horses
329011	Vitreotomy Cutting Head, for horses, 15G
329012	Vitreotomy Drive, for small animals
329013	Vitreotomy Cutting Head, for small animals, 20G
329014	Vitreotomy Irrigation Trocar, for horses

I/A Systems Coaxial for EICKEMEYER® PhacoVet

- Reusable

Item. No.

329040	I/A Handpiece, coaxial
329041	I/A Tip, straight, Ø 1.60 mm, metal
329042	I/A Tip, straight, silicone sleeve, 22G
329043	I/A Tip, straight, silicone sleeve, 20G
329044	I/A Tip, 30°, silicone sleeve, 22G
329045	I/A Tip, 30°, silicone sleeve, 20G
329046	I/A Tip, 30°, Ø 1.60 mm, metal
329047	I/A Tip, curved, Ø 1.60 mm, metal
329048	O-Ring Set

I/A-Systems Bimanual for EICKEMEYER® PhacoVet

- Reusable

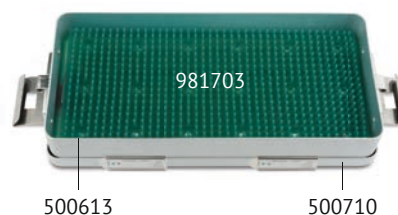
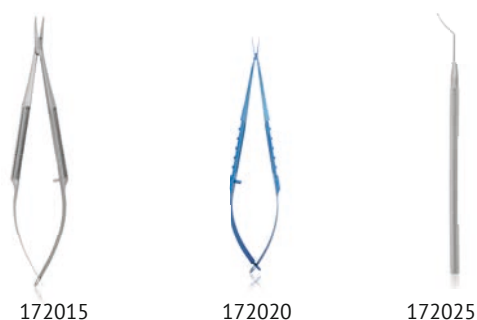
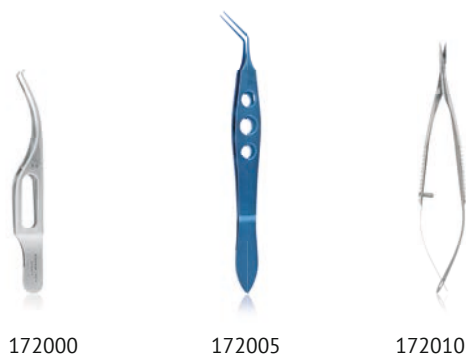
Item. No.

329050	Aspiration Handle, polished cannula, 21G
329051	Aspiration Handle, roughened cannula, 21G
329052	Aspiration Handle, polished cannula, 22G
329053	Aspiration Handle, roughened cannula, 22G
329054	Irrigation Handle, polished cannula, 21G
329055	Irrigation Handle, roughened cannula, 21G
329056	Irrigation Handle, polished cannula, 22G
329057	Irrigation Handle, roughened cannula, 22G, 45°, open

Phaco Instrument Kit

High quality kit consists of 6 instruments and was developed in collaboration with a Key Opinion Leader and Diplomate of the European College of Veterinary Ophthalmology.

Item. No.		Length mm
172030	Complete Set, consisting of:	
172000	BARRAQUER Colibri 0.4 mm <ul style="list-style-type: none"> • 1 x 2 teeth • 45° with platform 7.5 cm • Smooth handle 	75
172005	UTRATA Capsulorhexis Forceps <ul style="list-style-type: none"> • Titanium • 12 mm angled • Triangular tips 	105
172010	<ul style="list-style-type: none"> • VANNAS Capsulotomy Scissors • Pointed • Bent • 7 mm long blades 	85
172015	BARRAQUER Needle Holder 10x1 mm <ul style="list-style-type: none"> • Bent • Default • Without lock 	135
172020	INAMURA Tweezers <ul style="list-style-type: none"> • Short utrata • Flat handle • Titanium 	105
172025	PISCANO Nucleus Rotator <ul style="list-style-type: none"> • Tip olive-shaped 	105
500613	Instrument Box Base <ul style="list-style-type: none"> • Dimensions (in cm): L 30 x D 14 x H 3 	
500710	Instrument Box Lid <ul style="list-style-type: none"> • Perforated • With textile filter and label holder • Colour: silver 	
981703	Fingered Silicone Insert <ul style="list-style-type: none"> • Sterilisable 	

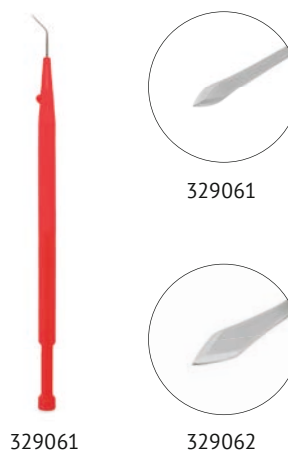


Phaco Knife

To open the anterior chamber at the Phaco incision.

- Angled
- Pack of 6 pieces
- Single-use

Item. No.	
329061	Phaco Knife, 1,0 mm
329062	Phaco Knife, 2,0 mm





329300



329306



329310



329320

Canine Intraocular Lenses

Hydrophilic foldable acrylic intraocular lenses for implantation in crystal extraction procedures in dogs.

- Hydrophilic acrylic with UV filter
- Sterile packaged
- Ready to use (V) in a glass container, immersed in ultra-pure water and supplied with a disposable injector, ready for immediate use
- (P) Pre-installed in a disposable injector
- Optical Design: Biconvex, Ø 6.5 mm, +41 D
- Excellent folding properties
- Small incision
- Gentle injection and ideal centering

Item. No.

329300	LIOCAN, Foldable Intraocular Lens, 10.25 mm
329301	LIOCAN, Foldable Intraocular Lens, 11.25 mm
329302	LIOCAN, Foldable Intraocular Lens, 12.25 mm
329303	LIOCAN, Foldable Intraocular Lens, 13.25 mm
329304	LIOCAN, Foldable Intraocular Lens, 14.25 mm
329305	LIOCAN, Foldable Intraocular Lens, 15.25 mm
329306	PMMA Intraocular Lens, rigid, 14 mm <ul style="list-style-type: none"> • For implantation in crystal extraction procedures in dogs • PMMA with UV filter
329307	PMMA Intraocular Lens, rigid, 16 mm <ul style="list-style-type: none"> • For implantation in crystal extraction procedures in dogs • PMMA with UV filter

Feline Intraocular Lenses

Hydrophilic foldable acrylic intraocular lenses for implantation in cat crystal extraction procedures

- Hydrophilic acrylic with UV filter
- Sterile packaged
- Ready for immediate use
- In a glass container, immersed in ultra-pure water
- A disposable injector set is included in delivery.
- Optical design: Biconvex, Ø 7 mm, +53.5 D

Item. No.

329310	Foldable Intraocular Lens, 12 mm
329311	Foldable Intraocular Lens, 13 mm
329312	Foldable Intraocular Lens, 14 mm

Capsular Tension Rings

Capsule tension rings made from Polymethyl methacrylate (PMMA) with UV protection, to stabilize the capsule during cataract surgery in dogs.

- Primary or secondary zonular weakness
- Partial zonulolysis
- Pseudoexfoliation syndrome
- Risk of capsular retraction (e.g. uveitis)
- Individually and sterile packaged in an easy-to-use container
- Some sizes (*) are preloaded in a disposable injector

Item. No.

329320	Capsular Tension Ring, 11 mm
329321	Capsular Tension Ring, 13 mm
329322	Capsular Tension Ring, 15 mm
329323	Capsular Tension Ring, 13 mm, preloaded* <ul style="list-style-type: none"> • Ø 13 mm open, Ø 11 mm closed
329324	Capsular Tension Ring, 16 mm, preloaded* <ul style="list-style-type: none"> • Ø 16 mm open, Ø 14 mm closed

Viscoelastic Solutions

Viscoelastic solutions for intraocular injection surgery in the anterior segment of the eye.

- Material: sodium hyaluronate (NaHA) / HPMC
- Packed sterile, in prefilled Type I glass syringes of 2 ml with Luer lock connection
- Containing five syringes and five needles per box

Item. No.

329330	Viscoelastic Solution, NaHA 1.4 %
329331	Viscoelastic Solution, NaHA 2 %
329332	Viscoelastic Solution, NaHA 3 %
329333	Viscoelastic Solution, HPMC



329330

Silicone Oil

High-purity silicone oil is used as an intraocular tamponade in severe cases of retinal detachment in veterinary medicine.

- Sterile packaged in a pre-filled 10 ml glass syringe

Item. No.

329340	Silicone Oil
	• Viscosity 5.000 cSt



Collagen Membranes

Ophthalmological medical device made from type 1 collagen, suitable for corneal repair in animals, for example corneal perforations, ulcers and stromal defects.

Allows the growth of the epithelium of the ocular surface and facilitates the migration of epithelial cells for their revitalization. Before use, the product must be hydrated in a sterile saline solution for 20 minutes. It can then be cut individually for the purpose and stacked in different layers if necessary.

- Dry and sterile packaged

Item. No.

329350	Collagen Membrane
	• Dimensions: W 22 cm x H 2 cm x D 100 µm
329351	Collagen Membrane
	• Dimensions: W 22 cm x H 2 cm x D 200 µm



329350

Staining Solution Trypan Blue

Veterinary ophthalmic staining solution used as an aid in intraocular procedures.

- Sterile, in prefilled 1 ml Type I glass syringes with Luer lock
- Each box contains five syringes and five needles
- Concentration: Trypan blue, 0.06 % w/v

Item. No.

329360	Staining Solution Trypan Blue
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328140



328141

EICKEMEYER® Operating Microscope

- Ergonomically positioned controls allow a comfortable posture when operating for long periods
- 5 magnification steps: 3.6x/5.4x/8.9x/14.2x/22.3x
- Visual field 56 to 9 mm
- Micro-focusing 40 mm, motorised pedal controlled
- Light source delivers bright light, 150 W
- Mobile floor stand with 4 lockable castors, providing excellent mobility
- Tilt-resistant, heavy floor stand with locking castors
- Optional: tube for connection of CCD cameras

Item. No.

328140	EICKEMEYER® Operating Microscope
328141	Teaching Mirror Attachment <ul style="list-style-type: none"> • Easy to install and operate • Beamsplitter, CCD-adaptor and observers' monocular
E328140001	Replacement Light
E328140002	Set of Sterile Mountable Handle Bars
E328140003	Rubber Eye Cup
E328140004	Light Conduct Cable
E328140005	Foot Switch

EICKEMEYER® Operating Microscope Advanced

EICKEMEYER® provides the surgeon with a surgical microscope, which helps him to master the daily routine of surgery and to obtain the best possible surgical result for his patient.

EICKEMEYER® Operating Microscope Advanced is extremely space-saving and versatile in ophthalmic surgery. It is characterized by an easy and exact positioning. It also has an integrated motorized XY coupling. This allows quick and easy position changes of the microscope head and is controlled via the foot control panel.

- Binocular inclined tube 60°, f = 159 mm
- Eyepieces WF 10 x V with diopter compensation
- APO objective f = 200 mm
- Apochromatic 5-step magnification changer
- Motorized fine focusing: 40 mm
- XY coupling 50 x 50 mm
- Foot switch for focus and XY coupling and brightness of illumination
- Handles
- Filter: Swing in retina protection filter GG 475, Swing in yellow filter against IR and UV exposure
- Illumination: Coaxial cold light fiber optic illumination 15 V / 150 Watt with operational replacement lamp

Item. No.

328200	EICKEMEYER® Operating Microscope Advanced
328201	Photo Essay for DSLR Digital Cameras <ul style="list-style-type: none"> • For a format-filling, low-distortion and image-plane digital camera image • A beam splitter (item no. 32820501) is required (order separately)
328202	TV Attachment with Membrane <ul style="list-style-type: none"> • For the adaptation of C-Mount video cameras • Focal length: 54 mm • A beam splitter (item no. 32820501) is required (order separately)
32820501	Beam Splitter <ul style="list-style-type: none"> • Monolateral, 50:50
328205	Assistant Kit <ul style="list-style-type: none"> • To view the examination area from a second person • Consisting of: beam splitter (one-sided, 50:50), assistant tube (90°), binocular inclined tube (45°, f = 125 mm) and eyeglass wearer eyepiece (WF 12.5x V, with diopter compensation)
E32820501	Sterilisable Rubber Sleeves for Cold Light Adapters <ul style="list-style-type: none"> • Set of 2
E32820502	Sterilisation Cover for Cold Light Adapter
E32820503	Sterilisation Cap for Potentiometers
E32820504	Sterilisation Cap for Enlargement



328200



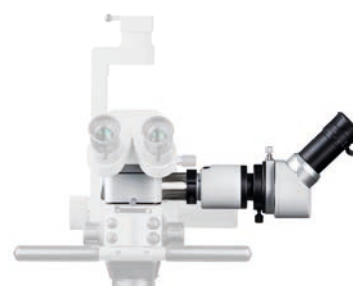
328201



328202



32820501



328205



311137



311138

HEINE ML4 LED HeadLight

The HEINE ML4 LED HeadLight is specially designed for professionals who need a perfect view during long surgical operations or treatments. The headband of the HEINE ML4 LED HeadLight offers multiple adjustment points and soft padding ensuring highest comfort and a firm fit.

- Adjustable illumination spot size
- Bright and homogenous illumination
- Stepless light intensity control
- Flexible Power Source Options: 100 % mobility with a choice of cable-free mPack UNPLUGGED head-worn battery or mPack belt-worn battery pack
- Coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas
- Comfortable and secure fit. The Professional L headband has multiple adjustment points and soft padding for comfort and stability – even during long examinations

Technical specifications

- Illumination: 65,000 lux
- Colour Temperature: 4,500 kelvin
- LED Operating Life: 50,000 hours
- Spot Adjustment: 30 mm to 80 mm at 420 mm WD
- Angle of Declination Stepless and individually adjustable for every examination
- Headband-mounted Rheostat
- Battery Runtime: 8.5 hours with mPack and 3.5 hours with mPack UNPLUGGED of continuous ON time at full power

Power Options

HEINE mPack Battery

- Portable power pack
- Li-Ion technology – no memory effect, autonomy for 8.5 hours of continuous ON time at full power
- Fast charge – charges to full capacity in 2 hours
- Charge status indicator
- Brightness control
- Flexible charging options: EN 50 Desk and wall charger, or plug-in transformer
- Intelligent – can be used as mains power supply even while in "charge" mode

HEINE mPack Battery UNPLUGGED

- Wireless
- Rechargeable battery integrated on the headband
- Lightweight with balanced weight distribution
- Charge status indicator indicates remaining operating time
- Intelligent – can be used as mains power supply even in "charge" mode
- Fast charge – charges to full capacity in 2 hours (operating time 3.5 hours of continuous ON time at full power)

Item. No.

- | | |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 311137 | HEINE ML4 LED HeadLight <ul style="list-style-type: none"> • Includes: mPack Battery (convenient to wear on the belt) |
| 311138 | HEINE ML4 LED HeadLight UNPLUGGED <ul style="list-style-type: none"> • The wireless solution • Integrated headband Professional, lightweight high-performance mPack battery UNPLUGGED • The cordless battery mPack UNPLUGGED offers 100 % freedom of movement • Wireless, with rechargeable battery integrated on the headband |

HR / HRP Optics for HEINE ML4 LED HeadLight

The HEINE ML4 LED HeadLight is optionally supplied with HR / HRP Binocular Loupes including i-View loupe mount. The binocular loupe is fully adjustable for every examiner and for every examination axis. HEINE i-View for HEINE ML4 LED HeadLight provides any angle of view and flips up the optics independently of the illumination beam.

Item. No.		WD* cm
311126	Mounting Kit for Loupe <ul style="list-style-type: none"> To mount the loupes onto the HEINE ML4 LED Headlight 	
311127	HEINE HR-Loupe <ul style="list-style-type: none"> Magnification: 2.5x 	34
311121	HEINE HR-Loupe <ul style="list-style-type: none"> Magnification: 2.5x Most commonly used 	42
311123	HEINE HR-Loupe <ul style="list-style-type: none"> Magnification: 3.5x 	42
311122	HEINE HRP-Loupe <ul style="list-style-type: none"> Magnification: 4x 	34
311124	HEINE HR-Loupe <ul style="list-style-type: none"> Magnification: 6x 	34



311127

Optional Accessories for HEINE ML4 LED HeadLight

Item. No.	
311139	Sterilisable Swivel Levers for i-View loupe mount <ul style="list-style-type: none"> Pack of 5 pieces
302558	HEINE EN 50 UNPLUGGED Battery Wall Charging Station <ul style="list-style-type: none"> Battery overcharge protection (protects the battery by switching off automatically when battery is fully charged) Without mPack UNPLUGGED 6 V
31112901	HEINE Indirect Ophthalmoscope Battery
31112902	Plug-in Transformer UNPLUGGED for HEINE mPack UNPLUGGED
173477	HEINE mPack w/o Transformer
302442	HEINE BETA4 USB Plug-in Transformer
31112903	HEINE mPack / mPack LL Plug-in Transformer



302558



31112901



311139



31112902



173477



302442

* Working Distance

HEINE Binocular Loupes

Your optimal loupe is as individual as your work. HEINE Binocular Loupes set a benchmark for design, high-tech materials and precise manufacturing methods. Various magnifications, working distances, wearing options and illumination systems are available. Experience the difference of getting less tired – even during long procedures.

Optics

- HR: High Resolution achromatic optics with excellent optical qualities for 2.5x magnification.
 HRP: High Resolution Prismatic optics with excellent optical qualities for 3.5x, 4x and 6x magnification.

Optics	Working Distance	Field of View	Depth of Field
HR 2.5x	34 cm	90 mm	110 mm
HR 2.5x	42 cm	130 mm	180 mm
HRP 3.5x	42 cm	65 mm	60 mm
HRP 4x	34 cm	50 mm	40 mm
HRP 6x	34 cm	40 mm	30 mm

Features

- Lightweight: 51 g (HR) or 81 g (HRP)
- Water-resistant
- Independent adjustment of left and right optics for perfect pupillary distance
- i-View loupe mount with flip-up function

Mounting Options

HEINE S-FRAME

- Maximum comfort with a modern, ergonomic design
- Malleable temples and nose pad can be customized to fit any face perfectly
- Innovative light materials – weights only 24 g
- Tough polycarbonate protective lenses



HEINE Professional L Headband

- Ideal for spectacle-wearers in combination with their own spectacles
- Fully-adjustable for height and width to fit any head
- Hygienic and comfortable leather cushions
- Optional S-GUARD splash protection



HEINE Binocular Loupes on Professional L Headband

Scope of delivery:

Binocular loupe on Professional L Headband, protective glasses,
2 sterilisable swivel levers and cleaning cloth

Item. No.		WD* cm
310703	HEINE Binocular Loupes on Professional L Headband • HR 2.5x	34
310713	HEINE Binocular Loupes on Professional L Headband • HR 2.5x • Most commonly used	42
310699	HEINE Binocular Loupes on Professional L Headband • HRP 3.5x	42
310701	HEINE Binocular Loupes on Professional L Headband • HRP 4x	34
310710	HEINE Binocular Loupes on Professional L Headband • HRP 6x	34



310701

Optional Accessories for HEINE Binocular Loupes on Professional L Headband

Item. No.		WD* cm
31051001	Professional L Headband • For HR and HRP loupes	
310513	HEINE Binocular Loupes • HR 2.5x • Optics with i-View mount for Professional L Headband	34
310514	HEINE Binocular Loupes • HR 2.5x • Optics with i-View mount for Professional L Headband • Most commonly used	42
310515	HEINE Binocular Loupes • HRP 3.5x • Optics with i-View mount for Professional L Headband	42
310516	HEINE Binocular Loupes • HRP 4x • Optics with i-View mount for Professional L Headband	34
310517	HEINE Binocular Loupes • HRP 6x • Optics with i-View for Professional L Headband	34
31050802	Sterilizable Swivel Lever for i-View Magnifying Glass Carrier • Round • Pack of 5 pieces	



31051001



310513

* Working Distance



310700



310717



31050801



31050401

HEINE Binocular Loupes on S-FRAME

Scope of delivery:

Binocular loupe on S-FRAME, protective glasses, 2 sterilisable swivel levers, holding strap, cleaning cloth and case

Item. No.		WD* cm
310700	HEINE Binocular Loupes on S-FRAME • HR 2.5x	34
310707	HEINE Binocular Loupes on S-FRAME • HR 2.5x • Most commonly used	42
310706	HEINE Binocular Loupes on S-FRAME • HRP 3.5x	42
310708	HEINE Binocular Loupes on S-FRAME • HRP 4x	34

Optional Accessories for HEINE Binocular Loupes on S-FRAME

Item. No.		WD* cm
310717	HEINE LoupeLight2 • Compact LED HQ head light for S-FRAME • With mPack mini and E4-USB plug-in transformer	
31050801	S-FRAME • For HR and HRP loupes	
31050301	HEINE Binocular Loupes • HR 2.5x • Optics with i-View mount for S-FRAME	34
31050401	HEINE Binocular Loupes • HR 2.5x • Optics with i-View mount for S-FRAME • Most commonly used	42
31050501	HEINE Binocular Loupes • HRP 3.5x • Optics with i-View mount for S-FRAME	42
31050601	HEINE Binocular Loupes • HRP 4x • Optics with i-View mount for S-FRAME	34
31050802	Sterilizable Swivel Lever for i-View Magnifying Glass Carrier • Round • Pack of 5 pieces	

* Working Distance

HEINE LoupeLight2

Compact LED HQ Headlight

HEINE has set a new standard which maintains that only the best is good enough, from the selection of materials to processing, from light intensity to dimmability, and from thermal management to a colour rendering index as high as possible.

- LED in HQ
- Compact, lightweight 50 g
- Exclusive aluminium housing protects the optics against dust and moisture to ensure an extraordinary long lifespan and optimal thermal management
- Compact coaxial design ensures a completely shadow-free image and allows for excellent illumination of difficult to see areas
- Replaceable connecting cord with high-quality splashproof threaded connector with a length of 1.5 m. Connects the LoupeLight2 with the mPack mini

Technical specifications

- Illumination: 55,000 lux
- Colour Temperature: 4,000 kelvin
- LED Operating Life: 50,000 hours
- Spot Size is shadow free and designed to complement the HR / HRP loupes
- Angle of Declination is stepless and individually adjustable for every examination
- Operating Time: 9 hours with mPack mini (in continuous operation at full power typ. 4 hours)

HEINE mPack mini Battery

- Freedom from cables that tie the user to desk, wall or static power supplies
- Operating time: 9 hours
- Charging time: 4 hours
- Charge status indicator
- Stepless light intensity control
- USB cord with E4-USB Medical approved plug-in power supply
- Simple cleaning (closed housing, no seams at the sides, few edges)
- Compact and lightweight – with a weight of just 95 g and dimensions of 44 x 23 x 101 mm the power source can be easily stowed
- Optimised mPack mini belt clip for easy attachment of the power source to the belt or coat pocket
- Li-Ion technology – no “memory effect”, without worrying about charge level or battery condition
- Integrated rechargeable battery can be exchanged at authorised specialist

Item. No.

310717	HEINE LoupeLight2
	• Includes: mPack mini and USB power supply



Optional Accessories for HEINE LoupeLight2

Item. No.

31071701	HEINE LoupeLight2 for HR / HRP Loupes with i-View Loupe Mount (LED HQ)
E31071701	Connecting Cable SC1 <ul style="list-style-type: none"> • Connects the HEINE LoupeLight2 to the HEINE mPack mini battery • 1.5 m/Ø 2.4 mm
E31071702	Connecting Cable SC2 <ul style="list-style-type: none"> • Connects the HEINE LoupeLight2 to the HEINE mPack mini battery • 1.5 m/Ø 3.2 mm
173479	mPack mini with Li-Ion Rechargeable Battery
E17347901	mPack mini Belt Clip
302444	USB Cord with E4-USB Plug-in Transformer
302442	E4-USB Plug-in Power Supply for USB Cord



31071701



173479



E17347901



302442



310600

310601

Loupes & Light System

These inexpensive loupes provide a flexible working distance and are suitable for a wide range of detailed work. The coaxial (LED) illumination ensures a shadow-free visualisation of the whole field of view. The battery case can be comfortably worn on the belt or placed in a shirt pocket.

Specifications

- 2x magnification
- Illumination: 1,200 lux at 40 cm (working distance)
- Light beam can be adjusted in the vertical plane
- Battery Life: 8 Hours (Normal Mode) / 14 hours (Eco Mode)
- Dioptre adjustment ± 3 dpt, right / left can be individually adjusted
- Cable length: 1 m
- Loupe weight: 40 g
- Light System weight: 11 g
- Battery case weight: 60 g
- Dimensions without clip (in mm): L 90 x H 55 x D 29
- Dimensions with clip (in mm): L 90 x H 55 x D 40
- Includes: Hard foam case, 3x AAA batteries

Item. No.

310600	Loupes
310601	Loupe Light System



High Resolution Loupes

This loupe and light system meet the requirements of any kind of surgical operations. It is highly recommended for the first-time users. Excellent price-performance ratio.

- High resolution optics lens with a flip-up design
- One step pupillary distance adjustment
- Adjustable angular viewing
- Multi-coated for: anti-glare, anti-fog, and scratch-resistance
- Loupe is made from strong carbonic acid polyester material

Loupe specifications

- 2.5x magnification
- Working distance: 320 – 450 mm
- Field of view: 110 mm
- Depth of field: 90 mm
- Weight: 71 g

Light description

- Power: 1 W powerful LEDs
- Brightness: 15,000 – 30,000 lux
- Colour temperature: 6,000 kelvin
- Life of bulb: 50,000 hours
- Operation time: 5 hours for a full charge
- Charge time: 3 hours for a full charge
- Battery pack: Rechargeable polymer Li-Ion
- Voltage: 100 – 240 V; 50 – 60 Hz
- Weight: 78 g (12 g light + 66 g battery and charger)

Item. No.

311103	2.5x Loupes with LED Light
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VOLK Aspheric Lenses

Aspheric surface corrects the aberrations present in more common spherical lenses. Volk's double-aspheric lenses eliminate more distortion for better overall imaging.

- Lenses with higher Dioptré power provide a smaller field of view, the higher magnification ensures best performance through small pupils.
- Lenses with lower Dioptré power have a wider field of view lower magnification, and are useful for larger size pupils.

Lens Orientation

Double aspheric lenses are not always symmetric on both sides. A lens with asymmetric aspheres will produce different optical results depending on which side of the lens you look through. The Volk "V" is like an arrow and is designed to point towards the patient.

Item. No.		FOV	Mag.	WD* cm
17353814	VOLK Aspheric Lens • 14 D	36°/47°	4.30x	75
17353815	VOLK Aspheric Lens • 15 D	36°/47°	4.11x	72
173538	VOLK Aspheric Lens • 20 D	46°/60°	3.13x	50
17353825	VOLK Aspheric Lens • 25 D	52°/68°	2.54x	38
17353801	VOLK Aspheric Lens • 28 D	53°/69°	2.27x	33
173539	VOLK Aspheric Lens • 30 D	58°/75°	2.15x	30
17353830	VOLK Aspheric Lens • 30 D Small	46°/60°	2.10x	30
17353840	VOLK Aspheric Lens • 40 D	69°/90°	1.67x	20
17353860	VOLK Aspheric Lens • 60 D	68°/81°	1.15x	13
17353878	VOLK Aspheric Lens • 78 D	81°/97°	0.93x	8
17353890	VOLK Aspheric Lens • 90 D	74°/89°	0.76x	7
173536	VOLK Aspheric Lens • PanRetinal 2.2 • Combines the magnification of the 20 D lens with the field of view of the 30 D lens	56°/73°	2.68x	40
173537	VOLK Aspheric Lens • Macula Plus 5.5 • Ideal for imaging the central retina at ultra-high magnification	36°/43°	5.50x	80



17353814



17353830



17353860



173536



173537

* Working Distance



173581



173582

VOLK Gonioscopy Lenses

The G-4 gonioscopy lens with four mirror glasses is a standard gonioscopy lens for static and dynamic gonioscopy with four precisely angled mirrors that offer a full 360° view of the anterior chamber.

The G-6 gonioscopy lens with six mirror glasses is the most advanced gonioscopy lens for static and dynamic gonioscopy. Six angled mirrors offer an excellent panoramic view of the anterior chamber angle compared to conventional four-mirror lenses.

Item. No.

- | | |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 173581 | <p>G-4 Gonioscopic Lens</p> <ul style="list-style-type: none"> • Four mirrors with the same angle offer a 360° view of the front chamber • With flange • Viewing angle: 4x 64° • Magnification: 1.0x • Contact pad: 15 mm |
| 173582 | <p>G-4 Gonioscopic Lens</p> <ul style="list-style-type: none"> • 2-in-1 handle: The 2-position handle enables adaptation to the anatomical conditions, with standard position (0°) or angular position (45°) • Four mirrors with the same angle offer a 360° view of the front chamber • Without flange • Viewing angle: 4x 64° • Magnification: 1.0x • Contact pad: 8.4 mm |
| 173583 | <p>G-6 Gonioscopic Lens</p> <ul style="list-style-type: none"> • Six closely aligned mirrors eliminate gaps and offer a true 360° panoramic view of the front chamber • Easier position determination and overview of the mirrors; no confusion where one view ends and the next begins • Reduces slit lamp maneuvering • Without flange • Large ring • Viewing angle: 6x 63° • Magnification: 1.0x • Contact pad: 8.4 mm |
| 173584 | <p>G-6 Gonioscopic Lens</p> <ul style="list-style-type: none"> • 2-in-1 handle: The 2-position handle enables adaptation to the anatomical conditions, with standard position (0°) or angular position (45°) • Six closely aligned mirrors eliminate gaps and offer a true 360° panoramic view of the front chamber • Easier position determination and overview of the mirrors; no confusion where one view ends and the next begins • Reduces slit lamp maneuvering • Without flange • Viewing angle: 6x 63° • Magnification: 1.0x • Contact pad: 8.4 mm |

KOEPPE Gonioscopy Lenses

KOEPPE lenses enable examination of the iridocorneal angle and diagnosis of primary glaucoma by creating a corneal vault while leaving the anterior chamber undisturbed. A light slit lamp, head loupe or microscope is required to achieve desirable resolution and illumination.

Item. No.		Ø mm
173577	KOEPPE Diagnostic Gonio Lens • Image Magnification: 1.70x • Static Gonio FOV: 160°	12
173573	KOEPPE Diagnostic Gonio Lens • Image Magnification: 1.70x • Static Gonio FOV: 160°	14
173574	KOEPPE Diagnostic Gonio Lens • Image Magnification: 1.57x • Particularly suitable for smaller animals • Static Gonio FOV: 160°	17
173575	KOEPPE Diagnostic Gonio Lens • Image Magnification: 1.53x • Particularly suitable for medium sized animals • Static Gonio FOV: 160°	18
173576	KOEPPE Diagnostic Gonio Lens • Image magnification: 1.50x • Static Gonio FOV: 160°	19



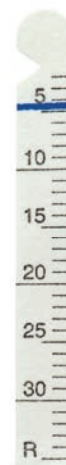
173574

SCHIRMER Tear Test

SCHIRMER Tear test can be used to measure basal and reflexive tear production in non-anaesthetised eye.

- Blue colour mark and notch tear indicator (for easier reading of the values)
- Physiological range in dogs: 15 – 25 mm
- Individually packed – sterile
- Pack of 100 pieces

Item. No.	
173592	SCHIRMER Tear Test



Application

Eickemeyer®

*A partner for your
long-term success*



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HEINE BETA 200 LED Ophthalmoscope

- Ideal for direct Ophthalmoscopy
- Superior aspherical optics now with LED HQ illumination
- Exclusive dustproof design protects the precision optical components and ensures maintenance-free operation.
- LED in HEINE Quality – or LED HQ
- 27 single lenses Rekoss Disk from -35 D to +40 D
- 6 apertures
- Patented, unique, stepless dimming from 3 % to 100 % with practical one-finger operation
- No stray light due to the recessed, multi-coated viewing window – eliminates distractions
- Precise one-hand control of the instrument. Ergonomic design offers flexibility while examining
- Suitable for large as well as small or undilated pupils
- Ergonomic design fits the orbita comfortably, and blocks out ambient light
- Full functionality of the BETA 200S LED is guaranteed with BETA Rechargeable Handles and the EN 200 / EN 200-1 Wall Transformers
- 5 years guarantee

Item. No.

300137	HEINE BETA 200 LED Ophthalmoscope
	• Handle not included



301135



301137

HEINE BETA 200 Ophthalmoscope

HEINE optimises the Gullstrand principle with aspherical optics (separation of illumination and observation beam). Corneal and iris reflexes are eliminated, a full view is guaranteed even with small pupils.

- XHL Xenon Halogen Technology provide a bright, white light
- 6 apertures with separate red-free filter
- Crossed linear polarising filter
- Recessed, multi-coated viewing window avoids stray light
- Soft orbital support that protects the users' glasses and steadies the instrument due to ergonomic shape
- Optimal working distance of 4 to 5 cm (from the eye)

Item. No.

301135	HEINE BETA 200 Ophthalmoscope, 3.5 V
	• Handle not included
301137	Spare Bulb HEINE BETA 200 Ophthalmoscope, 3.5 V



301180



301181

HEINE Ophthalmic Examination Lamp, 3.5 V

- For examination of the anterior segment and cornea in focal light
- 5 different apertures that help detect erosion, oedema and foreign bodies on the cornea
- Apertures focused at 100 mm working distance

Item. No.

301180	HEINE Ophthalmic Examination Lamp, 3.5 V
301181	Spare Bulb Ophthalmoscope HEINE, 3.5 V

WELCH ALLYN® PanOptic™ Ophthalmoscope

Redesigned with a familiar shape and feel, PanOptic direct ophthalmoscopes have a field of view 20 times larger than standard ophthalmoscopes.

- Greater working distance allows for a more comfortable exam for doctor and patient
- Fundus images with the WELCH ALLYN iExaminer® SmartBracket™ – synchronised with the iExaminer® Pro App (PanOptic™ Plus model only)
- Focus wheel allows smooth and precise control
- Apertures (small, large, red-free, slit, fixation, target, cobalt blue)
- Diopter range: -20 to +25 D adjustable with the focusing wheel
- SureColor™ LED lighting combined with DuraShock technology
- Handle not included
- Compatible with all WELCH ALLYN® 3.5V power sources
- Measurements (in cm) L 8 x W 4.5 H 7.5
- Weight: 130 g

Item. No.

301144	WELCH ALLYN® PanOptic™ Basic Ophthalmoscope
301143	WELCH ALLYN® PanOptic™ Plus Ophthalmoscope
30114301	Smart Bracket Mount for WELCH ALLYN® iExaminer <ul style="list-style-type: none"> • Only for the WELCH ALLYN® PanOptic™ PLUS • Suitable for any smartphone (iPhone / Android) • Including Smart Clips
30114302	Smart Clips for WELCH ALLYN® iExaminers <ul style="list-style-type: none"> • For the Smart Bracket mount • Pack of 2 pieces • Spare part
302046	WELCH ALLYN® Adapter <ul style="list-style-type: none"> • Adapter for HEINE Handles
E30114301	Patient Eye Cup for PanOptic Basic & Plus Ophthalmoscope <ul style="list-style-type: none"> • Pack of 5 pieces
E30114302	Optional Head Locking Hardware with Adjusting Screw <ul style="list-style-type: none"> • To hold the PanOptic Ophthalmoscope firmly on adapter • Scope of delivery: 5 small screws and 1 wrench





HEINE BETA 200 LED Retinoscope with ParaStop

The HEINE BETA 200 retinoscope with ParaStop and the most modern multiple coated optics leads to an exceptionally bright fundus reflex, to see the flicker point more easily. ParaStop is a HEINE development for effortless, precise adjustment of the parallel beam path. With ParaStop, searching for the cylinder axis simpler, faster and more precise than before.

- Very bright, precise light strip in HEINE LED HQ quality with a line width of typ. 1.1 mm (ISO 12865 standard < 1.5 mm) and a line length of 35 mm for a very bright, easily visible fundus reflex
- Patented and unique stepless dimming between 3 – 100 % with practical one-finger operation
- Good orbital coverage and extensive elimination of stray light due to ergonomic shape
- Vergence and stroke rotation controls can be easily accessed using the Thumb operated
- Durable and high quality metal controls maintenance-free, dust-tight, LED with a practically unlimited service life
- Integrated polarization filter eliminates stray light and internal reflexes
- The full functionality of the BETA 200 LED is guaranteed with the current BETA rechargeable handles and the EN 200 / EN 200-1 wall transformers
- Suitable for HEINE 3.5 V rechargeable handles
- Supplied without handle

Item. No.

301139 HEINE BETA 200 LED Retinoscope with ParaStop



30113901

Accessory for the HEINE BETA 200 LED Retinoscope with ParaStop

Item. No.

- 30113901 Retinoscopy Bars (Luneau)
- 2 retinoscopy bars in parallel arrangement
 - One PLUS and one MINUS bar 0.5 – 15.0 D each
 - Storage case included

HEINE FINOFF Transilluminator

Small and light, used to examine the fundus.

Item. No.

- | | |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 301170 | HEINE FINOFF Transilluminator, 3.5 V |
| 300038 | Spare Bulb HEINE, 3.5 V
Compatible with: <ul style="list-style-type: none"> • Slit Illumination Head (item no. 300035) • BETA Otoscope Head (item no. 300635) • Illumination Adapter (item no. 300935) |



301170



300038

Spare Bulb High Performance LED 3.5 V

The EICKEMEYER® high power LED lamp makes the HEINE Slit illumination head an even more powerful diagnostic tool. Replacing the lamp is easy.

Compatible with:

- Slit Illumination Head 3.5 V (item no. 300035)
- Closed Headpiece 3.5 V (item no. 300635)
- FINOFF Fluoroscopy Adapter 3.5 V (item no. 301170)

Item. No.

- | | |
|--------|---------------------------------------|
| 300039 | Spare Bulb High Performance LED 3.5 V |
|--------|---------------------------------------|



300039

HEINE HSL 150 Hand-held Slit Lamp

Compact and lightweight, the portable HSL 150 is ideal for situations where a full-size slit lamp is not available or convenient for the examination of the anterior segment.

- 6x magnification increase by 20 D lens
- The HSL 150 instrument head weighs just 70 g, the lightest slit lamp of its kind
- Continuously adjustable brightness
- Slit size adjustable from 0.2 mm x 10 mm to 4 mm x 14 mm
- Blue interference filter (FITC), can be selected for corneal examination at any time
- Multi-coated optics for maximum light transmission
- 3.5 V XHL Xenon Halogen Technology for bright, white light comparable with the brightness of a classic slit lamp
- Compatible with all HEINE handles

Item. No.

- | | |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 173543 | HEINE HSL 150 Hand-held Slit Lamp <ul style="list-style-type: none"> • Compatible with all 3.5 V HEINE handles |
| 17354302 | HEINE HSL Slit Lamp Loupe Attachment <ul style="list-style-type: none"> • 10-fold magnification when combined with HSL 150 loupe • Increased working distance with a large field of view |





173690



173692



173693



173694



173636

173691

KOWA SL-19 Portable Slit Lamp

With its rounded shape and curved handle design, the KOWA SL-19 Slit Lamp is even more ergonomic. Furthermore, the weight of the hand-held unit has been significantly reduced.

- LED backlight that can be used simultaneously with the slit light
- LED blue light illumination for fluorescence observation
- Light intensity can be adjusted with one hand
- Gap wheel (top), for selecting a desired gap width in the range of 0.1 mm, 0.2 mm and 0.8 mm or spot
- Spot wheel (bottom), for selecting an aperture diameter of Ø 1 mm, Ø 5 mm or Ø 12 mm. The size of the light can be continuously adjusted from 1.5 mm to 12 mm
- Infinitely adjustable slit length (1.5 – 12 mm)
- Longer operating time: up to 6 hours at maximum intensity
- Available in 5 colours: white, black, blue, green and pink
- Smartphone adapter for digital image documentation for common Samsung and iPhone models sold separately (for suitable size and article number visit online shop)

Technical specifications

- Magnification: 10x and 16x
- Working distance: about 80 mm at 16x magnification, about 100 mm at 10x magnification
- Effective field of view: Ø 10 mm at 16x magnification, Ø 15mm at 10x magnification
- Slit width: Ø 0.1, Ø 0.2, Ø 0.8 mm
- Spot size: Ø 1, Ø 5, Ø 12 mm (slit length continuously adjustable from 1.5 – 12 mm)
- Light intensity: 200 – 20,000 lux (continuously adjustable)
- Power supply: 3x AA batteries (DC 4.8 – 6.4 V)
- Dimensions (in mm): D 197 x W 107 x H 238
- Weight (without batteries): only 620 g

Item. No.

173690	KOWA SL-19 Portable Slit Lamp
	• Colour: white
173691	KOWA SL-19 Portable Slit Lamp
	• Colour: black
173692	KOWA SL-19 Portable Slit Lamp
	• Colour: blue
173693	KOWA SL-19 Portable Slit Lamp
	• Colour: green
173694	KOWA SL-19 Portable Slit Lamp
	• Colour: pink
173695	Transport Case for SL-19
	• With foam insert
	• Rigid case
	• Colour: black
173680	Video Adapter Set
	• Consisting of Panasonic Lumix DC-GX880, KOWA video adapter, C-Mount adapter ring and extender lens
	• Suitable for SL-15, SL-17 and SL-19

KOWA SL-19 plus Portable Slit Lamp with Built-In Camera

The KOWA SL-19 plus is a surprisingly lightweight hand-held slit lamp equipped with a built-in camera. Its features and usage are similar to the SL-19 model without a camera, with the primary difference being that the magnification is exclusively set to 10x.

The SL-19 Plus weighs only 730 g (excluding batteries), making it very easy to handle. This design ensures minimal operator fatigue during prolonged use. With a fixed 10x magnification, the SL-19 plus is suitable for various clinical scenarios. A simple hand movement initiates recording. Videos captured by the SL-19 plus can be wirelessly transferred to an iPad via WiFi. Please note that this feature is compatible only with Apple devices.

When transferred to the iPad, the video is automatically broken down into single images. These individual frames can be selected, saved, and further transferred to a PC using a USB stick or WiFi.

The recorded images are displayed on the iPad using the KOWA SL-19 plus app (available in the App Store), which provides a user-friendly interface for managing and reviewing the captured data.

- Colour: white
- Recording power button: Easily switchable with a simple hand movement
- Light source: white LED
- Ergonomic shape: Designed for comfortable handling during examinations
- Barrier filter B: Used for observing fluorescein under blue light; attachable with a filter tape

Technical specifications

- Working distance: approximately 100 mm
- Effective field of view: Ø 15 mm at 10x magnification
- Spot size: adjustable slit length from 1.5 mm to 12 mm, with spot sizes of Ø 1 mm, Ø 5 mm, and Ø 12 mm
- interpupillary adjustment range: 55 mm to 72 mm
- Diopter range: -8 D to +5 D
- Camera field of view: approximately 27 mm to 15 mm
- Effective number of pixels: approximately 2 megapixels
- Wireless LAN interface: IEEE 802.11 a/b/g/n
- Light source: White LED for slit illumination
- Background light: White and blue LEDs in a 3-stage circuit, usable separately from the slit light
- Light intensity: infinitely adjustable from 200 lux to 20,000 lux
- Power supply input: DC 3.0 - 4.8 V (powered by 3x AA Ni-MH batteries or rechargeable batteries); power consumption up to 6 VA
- Battery indicator: flashes orange when battery level is low
- Camera display: shows the operating status of the camera
- Operating time: approximately 8.5 hours if the device is switched off after each use and disconnected from the iPad; approximately 3.5 hours at full power without disconnecting from the iPad
- Scope of delivery: Includes the SL-19 plus, barrier filter B and filter tape for attachment in front of the light source; iPad and batteries not included
- Dimensions (in mm): D 197 x W 107 x H 255
- Weight (without batteries): 730 g

Item. No.

173696 KOWA SL-19 plus Portable Slit Lamp with Built-In Camera





302553



302552



302443



302440



302442



302536



HEINE BETA4 Rechargeable Handles and Accessories

- High quality metal construction for high stability and long life
- Unique locking system. No friction from metal to metal, preventing wear and guarantees a secure fit of the instruments
- Deep discharge protection: Protects the battery from total discharge and ensures maximum operating life
- Li-Ion Technology: No 'memory effect' resulting in longer battery life. Fast charging time.
- Durable: Up to 6 weeks of normal operation without recharging when using LED instruments
- High capacity: More than twice the capacity compared to NiMH batteries
- Charge level indicator in the Bottom Insert (item no. 302552)

Item. No.

302553	HEINE BETA4 NT Handle <ul style="list-style-type: none"> • Suitable for HEINE NT4 table charger (item no. 302551) • Includes: <ul style="list-style-type: none"> Li-Ion Rechargeable Battery (item no. 302431) BETA4 NT Bottom Insert (item no. 302552) • Charging time approx. 2 hrs.
302552	HEINE BETA4 NT Bottom Insert
302431	3.5 V HEINE BETA L Rechargeable Li-Ion Battery <ul style="list-style-type: none"> • Charging time: 2 hours
302443	HEINE BETA4 USB Handle Set <ul style="list-style-type: none"> Includes: <ul style="list-style-type: none"> • Rechargeable Handle complete with Li-Ion rechargeable battery • Base Unit • USB Charging cable and Plug-in Transformer
302440	HEINE BETA4 USB Bottom Insert
30255201	Charging Cable for USB Plug-in Transformer <ul style="list-style-type: none"> • For charging at any USB port
302442	HEINE BETA4 USB Plug-in Transformer <ul style="list-style-type: none"> • USB Plug
302536	HEINE BETA4 SLIM NT Handle <ul style="list-style-type: none"> • Slim handle with automatic closure • Dimensions (in cm): H 13.5 x Ø 1.9 • Weight: 180 g • Suitable for HEINE NT4 table charger (item no. 302551) with adapter set (item no. 30255101) • Includes Li-Ion Rechargeable Battery and BETA4 SLIM Base Unit
302432	Li-Ion Rechargeable Battery <ul style="list-style-type: none"> • Spare part for HEINE BETA4 SLIM NT Loading Handle (item no. 302536)

HEINE NT4 Table Charger

- Suitable for rechargeable handles BETA4 NT and BETA4 SLIM NT
- Suitable for rechargeable Standard handles F.O. 4 NT, F.O. 4 SLIM NT and F.O. 4 SHORT NT laryngoscope
- Two independent charging wells: complete functionality for one or two handles at a time
- Automatic charging: independent of the state of charge of the rechargeable battery
- Guarantees extended battery life
- Charger switches off when fully charged
- Charging status: Pulsing light indicates charging, permanent light indicates charging completed
- Dimensions (in cm): L 14.2 x H 6.1 x D 6.6

Item. No.

302551	HEINE NT4 Table Charger
30255101	Adapter Set <ul style="list-style-type: none"> • For HEINE BETA SLIM and F.O. 4 SLIM NT laryngoscope rechargeable handles • Two pieces



302551



30255101

HEINE BETA Rechargeable Handles with battery 3.5 V

Rechargeable handles listed below (item no. 302555 and 302535) are compatible with systems of the previous generation like HEINE NT 200 and the HEINE NT 300 (item no. 302550) only. NOT suitable with table charger HEINE NT 4 (item no. 302551)

Item. No.

302555	HEINE BETA L Li-Ion Rechargeable Handle <ul style="list-style-type: none"> • With Li-Ion rechargeable battery and bottom insert • Fast charging time of approx. 2 hrs. with table charger HEINE BETA NT 300
302438	HEINE BETA L Bottom Insert <ul style="list-style-type: none"> • With charge status indicator
302431	Li-Ion Rechargeable Battery for HEINE BETA4 / HEINE BETA L Rechargeable Handle
302535	HEINE BETA NT Rechargeable Handle <ul style="list-style-type: none"> • Charging time 4 hrs. max. with table charger HEINE NT 300 • With rechargeable battery and bottom insert
302435	HEINE BETA NT Bottom Insert
302436	Rechargeable Battery for HEINE BETA NT Rechargeable Handle
302400	HEINE BETA Handle Module



302555



302438



302535



302435

HEINE NT 300 Table Charger

- For Beta L, BETA NT (except BETA4 NT), BETA SLIM and all laryngoscope handles
- One or two handles chargeable simultaneously
- Fast charging function: approx. 2 hrs. for BETA L rechargeable handle with Li-Ion L battery, approx. 4 hrs. for all other handles
- Automatic recharging regardless of battery charging status leading to longevity of the batteries
- Charging status: Pulsing light indicates charging, permanent light indicates charging completed
- Dimensions (in cm): L 14.2 x H 6.1 x D 6.6

Item. No.

302550	HEINE NT 300 Table Charger <ul style="list-style-type: none"> • For HEINE BETA and Laryngoscope handles
30255101	Adapter Set <ul style="list-style-type: none"> • Suitable for HEINE BETA4 SLIM NT and F.O. 4 SLIM NT laryngoscope rechargeable handles • Two pieces



302550



HEINE OMEGA 600 Indirect Ophthalmoscope

Discover more. With less weight.
Lighter. Brighter. Better. HEINE kept the best and perfected the rest. Highly comfortable, the HEINE OMEGA 600 delivers a new class of technological innovation, along with the unique visionBOOST for significantly better diagnostic even in dense cataracts.

- Most precise diagnostic, up to the far retinal periphery
- Up to 20 % better view in media opacities with visionBOOST
- Lightest High-End Indirect Ophthalmoscope worldwide
- Long-lasting investment due to its robust design
- Easy disinfection thanks to smoothSURFACE

Most precise diagnostic, up to the far retinal periphery

- Significantly better diagnostic due to unique visionBOOST
- Sharpest fundus image due to superior glass optics
- Brightest fundus image with true colour rendering thanks to our unique LEDHQ – now in even more natural colours
- Best 3D imaging due to our unique Stereoscopic Adjustment
- Technology in dilated and undilated pupils

Lightest high-end indirect ophthalmoscope worldwide

- Best wearing comfort
- Personalized fit
- Adaptable for right and left handed users
- Flip-up function for more convenient patient interactions

Long-lasting investment due to its robust design

- Maintenance-free, dustproof optics
- Legendary HEINE durability
- Optics firmly mounted on an aluminium frame
- 100 % Made in Germany
- 5-year guarantee

Easy and effective disinfection thanks to smoothSURFACE

- No openings
- Integrated electronics

Item. No.

- | | |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 173497 | HEINE OMEGA 600 Indirect Ophthalmoscope <ul style="list-style-type: none"> • Includes: OMEGA 600 Indirect Ophthalmoscope (with battery and +2 D eyepiece), E4-USBC power supply with cable, eyepiece 0 D |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



17349701



17349702



17349703



17349704



17349707



17349706

Optional Accessories for HEINE OMEGA 600 Indirect Ophthalmoscope

Item. No.

- | | |
|----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 17349701 | CC1 Charging Case |
| 17349702 | CB1 Charging Battery <ul style="list-style-type: none"> • Runtime approx. 8 hrs. |
| 17349703 | E4-USBC Power Supply with Cable |
| 17349704 | CW1 Wall Charger |
| 17349707 | TM2 Teaching Mirror <ul style="list-style-type: none"> • Attachable to the device to share observation with others |
| 17349706 | Traveller Bag |

HEINE OMEGA 500 LED UNPLUGGED with DV1 Digital Video Camera

The OMEGA 500 LED is now available in combination with the DV1 Digital Video Camera. This integrated camera system is precisely aligned with the optical system of the Indirect Ophthalmoscope - perfect for sharing the examiner's view with a wider audience and for educating patients.

Features

- The headband of the OMEGA 500 distributes the weight of the compact camera ensuring a comfortable fit
- Due to the mounting of the optics on an aluminum chassis, the OMEGA500 is robust, long lasting and is guaranteed to be dustproof. Can be connected via USB 2.0 to any laptop or computer.
- High depth-of-field and integrated focus lever ensure sharp and focused images

Technical specifications

- 5 Megapixel Resolution
- 1,280 x 960 display – High resolution video or still shots

Wireless power supply system with mPack UNPLUGGED headband battery for wireless operator convenience.

Item. No.

- | | |
|--------|------------------------------------------------------------------------------------------------------------------------|
| 173492 | HEINE OMEGA 500 LED UNPLUGGED with DV1 Digital Video Camera |
| | <ul style="list-style-type: none"> • Includes: Software program enables both video and image recording. |



ClearView® Retinal Camera

The Optibrand® ClearView® 2 Retinal Camera is an ophthalmic camera device developed for veterinary professionals to acquire wide-angle digital colour images of the retina using an Apple iPod touch®.

Features

- Auto focus
- Automatic-capture and manual-capture image modes
- Saves images automatically
- Retina images can be viewed immediately and uploaded to e-mail or text message
- Data transfer to a PC / MAC via iTunes®

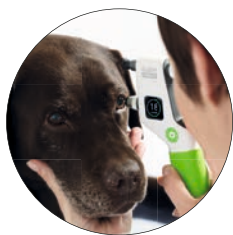
Technical specifications

- Pupil Size 5 mm diameter or above
- Field of View: 50° static, up to 80° dynamic view of peripheral retina
- Working Distance: 50 mm
- Illumination White light LED provided by iPod touch®
- Diopter Power: -20 D to +20 D autofocus accommodation
- Image size: 1,920 x 1,920 or roughly 3.5 Megapixels
- Image Format: JPEG
- Battery Life: 50 sessions on a full-charge (Qty of 2-minute exams)
- Software: ClearView 2 Downloaded from the App Store®
- Lens Tube Length: 180 mm
- Camera Case Length: 134 mm (Apple iPod touch®)
- Overall Width: 94 mm
- Weight: 325 g (lens tube / case only), 413 g (integrated Apple iPod touch® system)

Item. No.

- | | |
|--------|-----------------------------------------------------------------------------|
| 173553 | ClearView® 2 Retinal Camera |
| | <ul style="list-style-type: none"> • Incl. Apple iPod touch® |





Application



173620



1736006



Icare® TONOVET Plus Tonometer

Icare® TONOVET Plus is the veterinary specific tonometer of choice for quick, easy and accurate IOP measurements. The TONOVET Plus is operator friendly and ideal for use on dogs, cats, horses and rabbits. It features an advanced user interface with a clear, large display. Red / green positioning lights help to find the correct plane and distance to the middle of the cornea. The automatic measuring sequence gives you the option to take single readings or all six measurements in repetition.

- Advantage: Can be used without local anesthesia
- Self-calibrating
- Quick, painless and accurate procedure
- Large, easy to read colour display
- Transport case

Technical specifications

- Power supply: 4x AA non-rechargeable batteries, 1.5 V alkaline LR6
- Measurement range: 10 – 60 mmHg
- Accuracy: ± 2.5 mmHg (10 – 30 mmHg) and ± 10 % (> 30 – 60 mmHg)
- Repeatability (coefficient of variation): < 8 %
- Accuracy of display: 1 mmHg
- Display units: millimeter of mercury (mmHg)
- This device has BF-type electric shock protection
- Dimensions (mm): L 215 x H 35 – 95 x D 24 – 29
- Weight: 250 g (incl. batteries)
- Scope of delivery includes: 100 TONOVET Probes, 4x AA Batteries & Instruction Manual

Item. No.

173620	Icare® TONOVET Plus Tonometer
1736006	100x Probes for TONOVET Plus and TONOVET
1736008	Stand for TONOVET Plus and TONOVET
E173600701	Probe Base for TONOVET Plus
E1736007	Red Protection Cap for TONOVET Plus
E173600703	Green Silicone Grip for TONOVET Plus
E17362001	Hand Band with Lock



Application



1736005

Icare® TONOVET Tonometer

The TONOVET is used for measuring IOP based on a rebound measuring principle to make momentary gentle contact with the cornea.

- Self-calibrating
- No topical anaesthesia needed
- Quick, painless and accurate procedure
- Portable as it is powered by batteries

Technical specifications:

- Weight: 250 g (including batteries)
- Dimensions (in mm): L 230 x H 45 – 80 x D 13 – 32
- Display range: 0 – 99 mmHg
- Accuracy: ± 2 (5 – 30 mmHg), 10 % (30 – 80 mmHg)
- Power: 4x AA batteries
- Scope of delivery includes: 100 TONOVET Probes, 4x AA Batteries & Instruction Manual

Item. No.

1736005	Icare® TONOVET Tonometer
1736006	100x Probes for TONOVET Plus and TONOVET
1736008	Stand for TONOVET Plus and TONOVET
E173600701	Probe Base for TONOVET Plus
E1736006	Red Protection Cap for TONOVET
E173600501	Green Silicone Grip for TONOVET PLUS and TONOVET
E17362001	Hand Band with Lock

Icare® TONOLAB Tonometer

The TONOLAB tonometer is ideal for easily and accurately measuring intraocular pressure in rodents thanks to two special presets for rats and mice. It measures based on the patented rebound method, with which intraocular pressure (IOP) can be measured accurately, quickly and without local anesthesia. It is well tolerated by the patient because it is hardly noticed.

- Fast, painless and fearless measurements without anesthesia
- High precision
- No calibration necessary
- Light weight

Technical data

- Measuring range: 7 – 60 mmHg
- Accuracy: ± 2 mmHg (5 – 30 mmHg) and ± 10 % (>30 – 60 mmHg)
- Repeatability (coefficient of variation): <8 %
- Display accuracy: 1 mmHg
- Display unit: millimeters of mercury (mmHg)
- Power supply: 4x AA non-rechargeable batteries,
- Dimensions (in mm): W 13 – 32 x H 45 – 80 x L 230
- Weight: 155 g (without batteries), 250 g (incl. 4x AA batteries)

Item. No.

1736009 Icare® TONOLAB Tonometer



Application



1736009

Tono-Pen AVIA® VET™ Tonometer

With over 40 breeds of dogs and cats featuring a predisposition to glaucoma, the Reichert Tono-Pen Tonometer provides a simple solution to monitor this condition.

The Tono-Pen AVIA® Vet™ is self-calibrating and easy to use.

- Self-calibrating
- Use with topical anesthesia
- Patient can be positioned in any way, therefor ideally used on tall animals like horses
- Fast and accurate IOP measurement with minimal training
- Minimal corneal irritation due to small sensor
- Disposable tip covers to eliminate cross contamination
- Easy to read, digital display
- Measuring range: 1 – 99 mmHg
- Maintenance-free
- Small size, weight 71 g
- Scope of delivery includes: Battery, 150 protective tip covers (Ocu-Film® +)

Item. No.

173600 Tono-Pen AVIA® VET™ Tonometer

173565 Ocu-Film® + Tono-Pen Tip Covers

- Minimises the risk of cross-contamination
- 150 per pack
- Individually wrapped

173605 Longlasting Tono-Pen AVIA® VET™ Battery



173600



173605



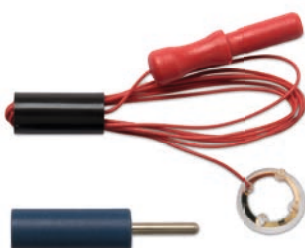
173610



173710



173611



173587

RETevet™ Portable ERG

The RETePet™ device offers an intuitive interface which allows veterinary ophthalmologists and researchers to perform electroretinograms (ERGs) to measure the retinal function of animals.

Features

- Small design
- Intuitive user interface
- Real-time results
- Completely portable and battery powered
- No need for external filters for dim flashes
- All flashes electronically controlled
- Easy USB connection to any PC
- Comprehensive reports in PDF formats
- Anaesthesia is optional (based on the patient)
- Multilingual interface in 17+ languages

Technical specifications

- RGB LED technology
- 15 million colour combinations
- Size: 10.5 cm x 15.5 cm
- Weight: 240 g
- Scope of delivery includes: RETePet™ device, docking station, 6 jet electrodes, 10 needle electrodes, dust cover, 3-plug electrode lead, USB cable, power adapter

Item. No.	
173610	RETePet™ Portable ERG
173710	RM Electrode™ – Canine Multi-Use
173611	Reference / Ground Needle Electrode <ul style="list-style-type: none"> • Disposable monopolar needle electrode • Sterile – Individually packed
173587	ERG Jet Electrode <ul style="list-style-type: none"> • Ø 12 mm • 3 per pack
E17361001	RETePet™ Adapter Cable for DIN Electrodes
E17361002	RETePet™ Battery
E17361003	RETePet™ Eyecup
E17361004	RETePet™ Dust Cover
17361001	Case for RETePet™ Portable ERG <ul style="list-style-type: none"> • Provides a convenient way to transport the RETePet device between testing sites • Everything you need for up to 50 tests can be stored in a small, sturdy case with dedicated padded compartments • With a simple, comfortable handle and security lock with key • Dimensions (in mm): W 315 mm x D 230 mm x H 140 mm • Weight (empty): 1.05 kg • Weight (full): 1.95 kg • Colour: black

cPLR Tester

cPLR (Chromatic Pupil Light Reflex) Tester is a precision Red and Blue light source for rapid screening of retina and optic nerve function. Pupillary response depends on the Blue 480 nm and Red 630 nm wavelengths.

Technical specifications

- Red light wavelength: 630 nm
- Blue light wavelength: 480 nm
- Nominal light intensity 200 kcd/m²
- Device switches the light OFF after 25 sec automatically (auto power OFF after 60 sec)
- Scope of delivery includes: batteries (7.4 V Li-Ion 800 mAh) and smart battery charger
- Dimensions (in cm): L 19.0 x H 4.5 x D 8.6

Item. No.

173670 cPLR Tester



Anatomical Eye Model

The anatomical eye model consists of 6 dismantled parts. The eyeball can be dismantled into 2 parts to make the internal structures visible. The lens and vitreous body can be removed from the eye model and viewed more closely. Thanks to the clear, colour-separated representation of the eye skin, eye muscle attachments, retina with the yellow spot, optic nerve and blood vessels, the model eye is ideal for training and study as well as patient education. The eye model can also be used as a nice inventory in the veterinary practice.

- 6-piece model with lots of details
- Eyeball with muscle attachments and optic nerve
- Carefully painted structures
- Vitreous body, lens, iris and cornea can be removed individually
- Includes plastic base
- Dimensions including base (in cm): H 16 x W 13 x D 13

Item. No.

909040 Anatomical Eye Model





605912

Vacuum Pillow – U shaped

- U-shaped
- Ideal for positioning during eye surgeries
- Made of durable orange PVC
- With soft edges
- Dimensions (in cm): L 39.0 x H 4.5 x D 29.0

Item. No.

605912	Vacuum Pillow
605990	Vacuum Pillow Hand Pump <ul style="list-style-type: none"> • Suitable for deflating all EICKEMEYER® vacuum cushions • Robust, impact-resistant plastic



902605

AESCULAP Isis Cat Clipper

The AEscULAP Isis cordless clipper is ideal for preparation for small areas (forelimb, head and neck) when taking bloods, biopsy or for hard-to-reach areas.

- Silent, low vibration
- Ergonomic design
- Cutting width: 24 mm
- Cutting length: 0.5 mm
- Li-Ion battery: runtime up to 120 min / approx. 90 min charging time
- Charge indicator via charging station
- Weight: 120 g (incl. battery & blade)
- Scope of delivery: clipper, blade (carbon blade – cannot be sharpened), charging station, attachment comb (adjustable to 4 different cutting lengths, 3 – 6 mm), brush, AEscULAP oil, instructions

Item. No.

902605	AEScULAP Isis Cat Clipper
902601	AEScULAP Isis Clipper Blade <ul style="list-style-type: none"> • Carbon blade (cannot be sharpened)
902606	DLC Shaving Head TG608D for Isis <ul style="list-style-type: none"> • High quality shaving head made of AEScULAP carbon steel / carbon steel • DLC (Diamond like Carbon) surface refinement offers many advantages: better cutting performance, less wear, longer service life and less maintenance due to dirt-repellent surface • Cutting width: 24 mm • Min. cutting length: approx. 0.5 mm

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