

# IOL Delivery System

## IOL Delivery Systems

### MONARCH® IOL Delivery System

The MONARCH® IOL Delivery System combines a reusable titanium handpiece and a sterile single use cartridge for enhanced implantation of the AcrySof® IOL. Advanced design enables the surgeon to view and verify lens orientation throughout the implantation process. Simplified loading, controlled consistent delivery, and ease of implantation are the benefits that MONARCH® IOL Delivery System can provide.



8065977771  
• MONARCH® II  
IOL Injector

8065977773  
• MONARCH® III  
IOL Injector

### MONARCH® Cartridges



- MONARCH® Cartridges  
10/box

MONARCH® Cartridges	AcrySof® Lens Model	
8065-977757 A Cartridge*	MA50BM	MN60D3
	MA60AC	MN60AC
	MA60BM	MN60MA
	MA60MA	
8065-977758 B Cartridge*	SN60AT	MA30AC
	SN60D3	MA30BA
	SN60WF	SA30AL
	SN60T3	SA30AT
	SN60T4	SA60AT
	SN60T5	SA60D3
8065-977759 C Cartridge*	SN60AT	+6.0 to +27.0 D
	SN60D3	+10.0 to +27.0 D
	SN60WF	+6.0 to +30.0 D
	SN60T3	+16.0 to +25.0 D
	SN60T4	+16.0 to +25.0 D
	SN60T5	+16.0 to +25.0 D
	SA30AT	+16.0 to +25.0 D
	SA60AT	+6.0 to +27.0 D
	SA60D3	+10.0 to +27.0 D
	SN6AD3	+10.0 to +27.0 D
8065-977763 D Cartridge**	SN60WF	+6.0 to +27.0 D
	SN6AD3	+10.0 to +27.0 D

### MONARCH® Loading Forceps

560.01

The Alcon/Grieshaber MONARCH® Loading Forceps is for fully controlled handling of the AcrySof® Single-Piece and AcrySof® Natural IOLs from its packaging into the MONARCH® Delivery System.

1.P. Pincetas Monarch tipo, skirtas pilnai valdomam Alcon dirbtinių intraokulinių lęšių AcrySof, Single-Piece ir AcrySof Natural išėmimui iš pakuotės ir jų sulankstymui į dėžutes.

\*Validated with the MONARCH® II IOL Delivery System

\*\* Validated with the MONARCH® III IOL Delivery System

# Capsulotomy Scissors

## Capsulotomy Scissors

### Vannas

5mm long blades, sharp tips

**K4-5000** straight

**K4-5010** curved

**K4-5020** angled forward

**K4-5030** angled to side



K4-5000

### Gills-Vannas

7mm long blades, sharp tips

**K4-5050** straight

**K4-5060** curved

**K4-5070** angled forward



K4-5010



K4-5020



K4-5030



K4-5050

### Holland DALK Scissors

4.5mm angled blades

**K4-5075** blunted tips



K4-5060



K4-5070



K4-5075



K4-5100

### McPherson-Vannas

8mm long blades, sharp tips

**K4-5100** curved

2.P. Plokščiomis rankenomis su 3 skylėmis kiekvienoje pusėje, turinčios spyruoklinį mechanizmą.

## Capsulotomy Scissors

### Katena-Vannas

7mm extra thin long blades, sharp tips

**K4-5110** Katena-Vannas, straight

**K4-5111** Katena-Vannas, curved



K4-5110

2.P. Plonais 10 mm ilgio ašmenimis, su aštriais galiukais.

10mm extra thin long blades, sharp tips

**K4-5120** Katena-Vannas, straight

**K4-5121** Katena-Vannas, curved

**K4-5122** Stern-Gills, angled forward

**K4-5123** Uribe-Stern, curved, angled, forward



K4-5111



K4-5112



K4-5120



K4-5121



K4-5122



K4-5123



K4-5125



K4-5126

10mm long angled blades, curved tips

**K4-5125** Gills, sharp points

**K4-5126** Uthoff-Gills, blunt points

2.P. Uribe-Stern tipo žirklutės, lenktos

# IOL Manipulators and Iris Hooks

## Kuglen Iris Hook & Lens Manipulator

**K3-5500** Push-pull model,  
flat handle, straight

**K3-5520** Push-pull model,  
flat handle, angled

**K3-5510** Clover leaf model,  
flat handle, straight

**K3-5522** Push-pull model,  
round handle,  
straight w/guard

**K3-5523** Push-pull model,  
round handle, angled



K3-5500  
K3-5520



K3-5510



K3-5522  
K3-5523



## Lens Manipulator

straight, with guard

**K3-5526** Rentsch, "Boat Hook"

**K3-5528** Osher, Y-hook



K3-5526



K3-5528



3.P. Maltzman-Fenzl tipo, manipuliavimo šakutė lenkta darbine dalimi turinčia 0,15 mm diametro dvišakį galiuką,

## Lens Manipulating Hook

0.15mm diameter tip

**K3-5530** Fenzl, round handle  
straight with guard

**K3-5531** Fenzl, round handle,  
angled

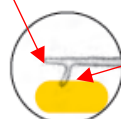
**K3-5532** Maltzman-Fenzl,  
round handle,  
straight with guard

**K3-5533** Maltzman-Fenzl,  
round handle,  
angled

**K3-5535** Jaffe-Maltzman,  
flat handle, angled



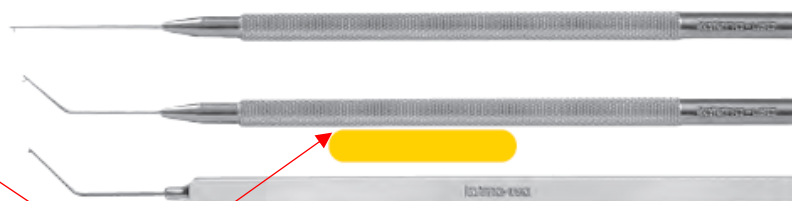
K3-5530  
K3-5531



K3-5532  
K3-5533



K3-5535



kurio viena atšaka tiesi, o kita nukreipta žemyn, tiesiosios atšakos atžvilgiu sudaranti šiek tiek smalesnį nei 90 ° kampą.

3.P. Su apvalia rankenėle gruoblėtu paviršiumi.

## IOL Manipulators

### Sinskey

Lens Manipulating Hook  
0.25mm diameter blunt tip  
straight

K3-5180



### Harris-Sinskey

Lens Manipulating Hook  
0.25mm diameter blunt tip  
angled

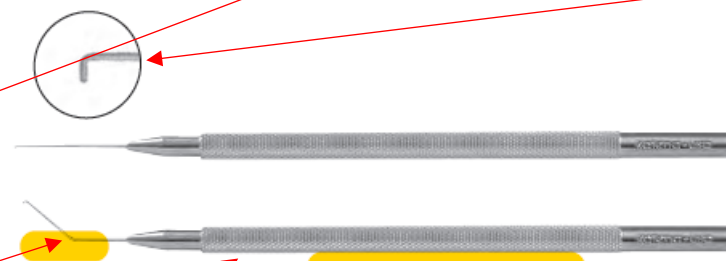
K3-5190



4.P. Sinskey tipo, IOL manipuliavimo kabliukas, turintis 0,25 mm diametro buką, žemyn nukreiptą galiuką

### Sinskey

Lens Manipulating Hook  
round handle  
0.25mm diameter blunt tip  
K3-5192 straight, with guard  
K3-5193 angled



4.P. Lenkta darbine dalimi, su apvalia rankenėle gruoblėtu paviršiumi.

### Neyas

Soft IOL Manipulator  
0.25mm diameter  
textured tip  
straight, with guard

K3-5194



# Forceps

## Fixation Forceps

1x2 teeth

**K5-4500** Bracken, delicate teeth

**K5-4550** Elschnig, standard teeth  
(not shown)



## Troutman

Superior Rectus

Forceps

1x2 teeth

angled

**K5-4700**



5.P. Oftalmologinis rišimo pincetas 8(0)-11(0) storio siūlų rišimui

5.P. Plokščiomis rankenomis su 3 skylėmis kiekvienoje pusėje

## Tying Forceps

For 8-0 to 11-0 sutures.

McPherson

5mm long smooth jaws

**K5-5000** straight

**KT5-5000** straight, titanium

**K5-5010** angled

**KT5-5010** angled, titanium

Kelman-McPherson

7.5mm long smooth jaws

**K5-5030** angled

**KT5-5030** angled, titanium

Bechert

5.P. Kelman-McPherson tipo rišimo pincetas, kampu palenktais smulkiais darbiniais galiukais su 7,5 mm ilgio rišimo plokštuma

11mm long smooth jaws

**K5-5050** angled



K5-5000



K5-5010



K5-5030



K5-5049



K5-5050

## 6.P. Bonn tipo rainelės pincetas

OF 068 Bonn Iris Forceps, Titanium



6.P. Griovelių pavidalo reljefo rankenos.

6.P. Instrumento ilgis 72 mm.

Overall length 72 mm, 2.8 inches

Angled 45 degree

1x2 teeth, 0.063 mm height

4 mm tying platform

Tips 0.2 mm wide

TC teeth and platforms

Flat titanium handle 6 mm wide

6.P. 45 laipsnių kampu palenkta darbinė dalis

6.P. 1x2 dantukais, kurių plokštuma 0,063 mm

6.P. Su 4 mm ilgio rišimo plokštuma

6.P. Su 0,2 mm pločio darbinės dalies galiukais, su plokščiomis 6mm pločio rankenomis, pagamintas iš titano.

# Lacrimal Instruments

7.P. Zondas Wilder tipo, ašarų taškeliams praplėsti, su ilgo palengva smailėjančio kūgio formos darbine dalimi, 1 dydžio

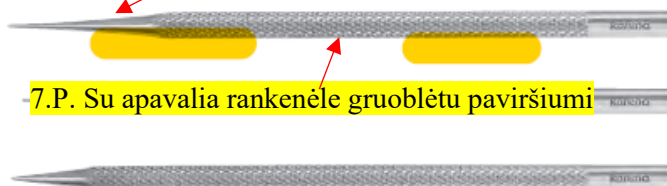
## Wilder

Lacrimal Dilator

**K7-2110** size 1, fine taper

**K7-2120** size 2, medium taper

**K7-2130** size 3, heavy taper



7.P. Su apavalia rankenėle gruoblėtu paviršiumi

## Castroviejo

Lacrimal Dilator

double-end

fine and

medium taper

**K7-2300**



## Miyake

Lacrimal Probe

round knurled handle

140mm long, patented

**K7-2480** set of 5

**K7-2481** .45 and .5mm dia.

**K7-2483** .55 and .6mm dia.

**K7-2485** .65 and .7mm dia.  
marked in 10mm  
increments

**K7-2487** .75 and .8mm dia.  
single mark at  
10mm from tips

**K7-2489** .85 and .9mm dia.  
single mark at  
10mm from tips



U.S. Patent # 6,093,198

REDUCED SIZE

## Lacrimal Instruments

**Mallet**  
lead filled  
stainless steel head  
**K7-1860**



2/3

**Harms**  
Trabeculotomy Probe  
**K7-1000** right  
**K7-1010** left



8.P. Zondas ašarų taškeliams praplėsti, skirtas kūdikiams

**Infant**  
Lacrimal Dilator  
very fine blunt tip  
**K7-2000**



8.P. Distaliniame gale užsibaigiančia smulkiu buku galiuku

8.P. Su ilgo palengva smailėjančiu kūgio formos darbine dalimi

**Muldoon**  
Lacrimal Dilator  
**K7-2100**

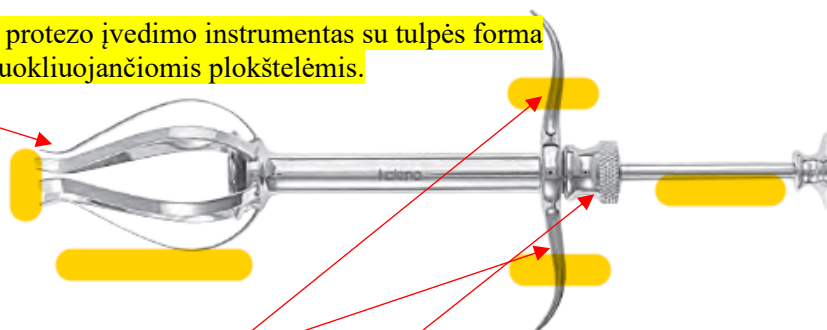




## Eye Spheres

9.P. Carter tipo akies obuolio protezo įvedimo instrumentas su tulpės forma sudarančiomis šešiomis spyruokliuojančiomis plokštelėmis.

**Carter**  
Sphere Introducer  
K8-6000



9.P. Strypo formos atrama pirštams ir stūmokliu akies obuolio protezui įvesti.

### Eye Sphere

solid, clear plastic

K8-6100 10mm

K8-6120 12mm

K8-6140 14mm

K8-6160 16mm

K8-6180 18mm

K8-6200 20mm

K8-6220 22mm



### Universal

Conformer

clear plastic

K8-6300 set of four  
(1 sm, 1 med, 2 lg)

K8-6310 small

K8-6320 medium

K8-6330 large



### Bipolar Forceps

Jewelers Type

pointed tips

straight

K8-7010 plain

K8-7012 insulated



## Nucleus Choppers • Manipulators

**Nagahara**  
Nucleus Spatula  
flat inferior edge  
**K3-2390**

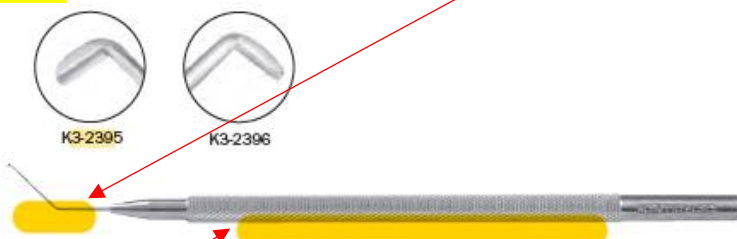


**Fukasaku**  
wedge shaped inferior edge  
**K3-2392** Snapper Hook  
**K3-2393** Small Pupil  
Snapper Hook with  
notch to engage  
the iris



10.P. Rosen tipo oftalmologinis lęšio skėtiklis palenkta darbine dalimi, turinčia žemyn nukreiptą užapvalintą galiuką su pleišto formos darbine briauna

**Rosen**  
Phaco Splitter  
wedge-shaped inferior edge  
blunt tip  
**K3-2395** inline wedge, standard  
**K3-2396** 60° offset wedge, for  
use in left hand



10.P. Su apvalia rankenėle gruoblėtu paviršiumi

**Rowen**  
Phaco Spatula  
a combination of the  
Rosen Phaco Splitter  
and the Bechert  
Nucleus Rotator  
**K3-2398**



## Scissors

### Stevens

Tenotomy Scissors  
blunt tips  
standard

K4-8500 straight  
K4-8510 curved



### Stevens

Tenotomy Scissors  
ribbon type  
blunt tips

K4-8520 straight  
K4-8530 curved

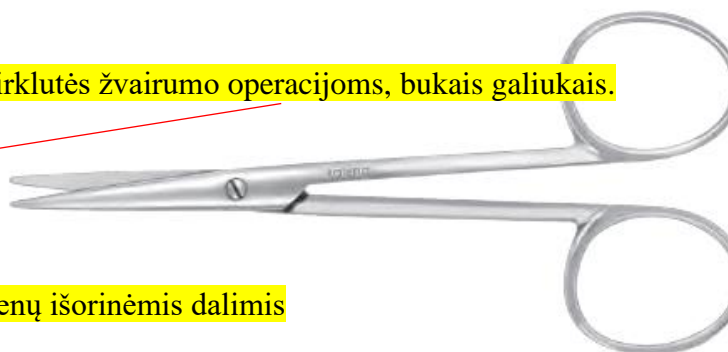


11.P. Knapp tipo oftalmologinės žirkutės žvairumo operacijoms, bukais galiukais.

### Knapp

Strabismus Scissors  
blunt tips

K4-9000 straight  
K4-9010 curved



11.P. Lenktos užapvalintomis ašmenų išorinėmis dalimis

## Scissors

### Sarkisian-Westcott

Scissors

small blades

with nine 1mm landmarks

laser etched on one blade

For intra-operative cutting and  
measuring with a single instrument.

**K4-3002**



### Westcott

Tenotomy Scissors

blunt tips, medium blades

curved

**K4-3004**

12.P. Westcott tipo oftalmologinės tenotomijos žirklutės, su lenktais ašmenimis bukais galiukais

### Westcott

Tenotomy Scissors

blunt tips, standard blades

curved

**K4-3100** right (shown)

**K4-3110** left



12.P. Kairės pusės, su standartinio dydžio, su plokščiomis rankenomis grublėtais paviršiais, turinčiomis spyruoklinį mechanizmą.

## Needle Holders

### Barraquer

Needle Holder  
very delicate jaws  
curved

**K6-3300** with lock

**K6-3310** without lock

**KT6-3300** titanium, with lock

**KT6-3310** titanium, without lock



### Barraquer

Needle Holder  
delicate jaws  
straight

**K6-3500** with lock

**K6-3510** without lock



13.P. Barraquer tipo oftalmologinis adatkotis labai smulkiais lenktais galiukais

### Barraquer

Needle Holder  
delicate jaws  
curved

**K6-3520** with lock

**K6-3530** without lock



13.P. Su pusapvalėmis rankenomis gruoblėtais paviršiais, be užrakto, su spyruokliniu mechanizmu.

## Forceps

### Botvin

Iris Forceps

For peripheral iridectomies.

**K5-1040** serrated tips

**K5-1050** 1x2 teeth



### Gills-Colibri

Tissue Forceps

very fine pointed tips

with tying platform

**K5-1450**



14.P. Colibri tipo oftalmologinis pincetas labai smulkiais, kampu užlenktais galiukais su 0,12 mm ilgio 1x2 dantukais

### Colibri Style

Tissue Forceps

very delicate, 1x2 teeth, 0.12mm

**K5-1500** Colibri

**K5-1520** Harms-Colibri, with tying platform

**K5-1520** Harms-Colibri, titanium, with tying platform

**K5-1522** Dyson-Colibri, short tips, extremely thin shanks, with tying platform



Standard, 1x2 teeth with tying platform

**K5-1550** Colibri, 0.4mm

Corneal Suturing Forceps

very delicate, 1mm spread, 1x2 teeth, 0.12mm

**K5-1560** Polack

Corneal Forceps

very delicate, 1x1 teeth, 0.1mm

**K5-1700** Pierse-Colibri

14.P. Plokščiomis rankenomis su ovalo formos skylėmis



**K5-1500**



**K5-1520**



**K5-1522**



**K5-1550**

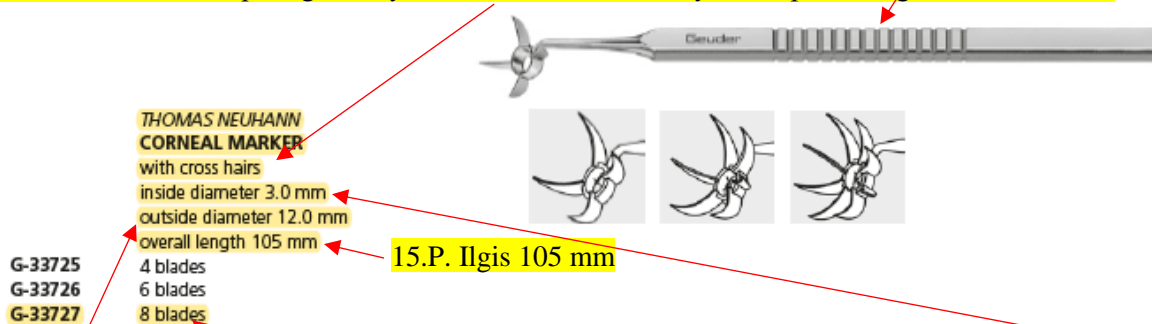


**K5-1560**



**K5-1700**

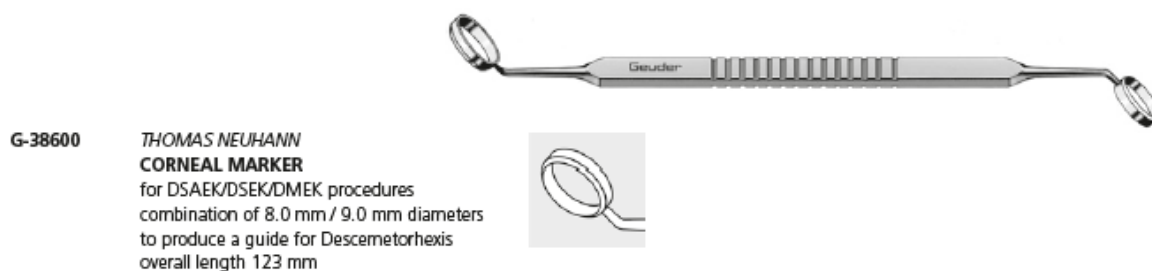
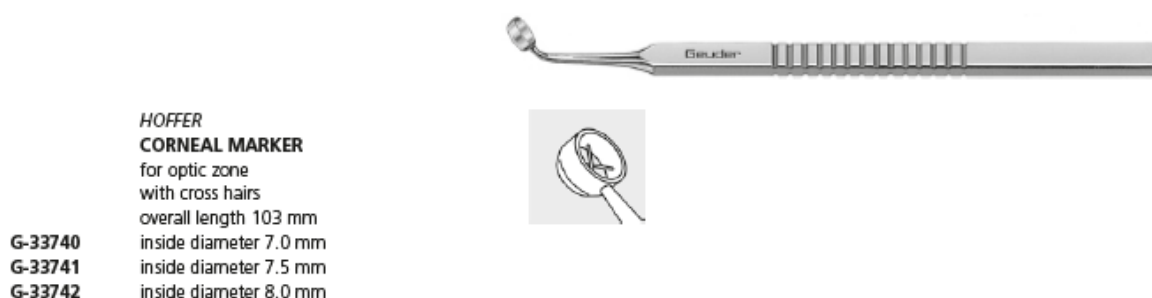
15.P. Thomas Neuhan tipo ragenos žymeklis, su centravimo kryžiumi, plokščia gruoblėta rankena.



03

CORNEAL MARKERS

15.P.8-iomis radialiai einančiomis žyminančiomis briaunomis, sudarančiomis vidinę atvirą 3,00 mm, išorinę 12 mm diametro zonas.





## 1. GENERAL INFORMATION

This General Reprocessing Instruction Manual is applicable for all medical products manufactured by GEUDER AG, which must be processed before the first and each additional use on persons. In addition to this General Reprocessing Instruction Manual, special processing instructions may be enclosed with individual medical products. These may include additional or limiting instructions (e.g. professional disassembly of the medical product, use of cleaning adapters, a reduced number of permitted processing cycles or the exclusion of individual cleaning steps, e.g., ultrasonic cleaning, etc.).

A general deviation from this guidance (e.g., other sterilisation procedures or deviations related to the manual or mechanical cleaning and disinfection) lies in the responsibility of the user. For damages to the medical product, that arise from disregarding this General Reprocessing Instruction Manual and, if the case applies, the special processing instructions enclosed with the medical product, GEUDERAG does not assume liability. In general, our general terms and conditions apply.

GEUDER AG reserves the right to make changes to this manual, in the light of newer findings.

The current version of this manual and our general terms and conditions can be downloaded at [www.geuder.de](http://www.geuder.de) or they can be requested from GEUDER AG, Heidelberg.

## 2. BASIC PRINCIPLES

All reusable products not specified as sterile are to be cleaned, disinfected, and sterilised before their first and each additional use.

Effective cleaning/disinfection is the essential prerequisite for an effective sterilisation of the products. The sterilisation in the delivery packaging is not admissible.

**Please note that only appropriate device- and product-specific validated procedures should be followed during the cleaning/disinfection and sterilisation process. Validated parameters must be maintained for each cycle.**

Please pay attention to the additional valid regulations in your country as well as to the hygiene regulations for the operator. These are especially valid for diverse requirements with regard to an efficient prion inactivation.

Due to the intended purpose, among others, contact with blood, body tissues, we recommend classifying instruments in accordance with the RKI<sup>5</sup>/BfArM<sup>7</sup> recommendation.

15.P., 19.P., 29.P., 31.P Pagamintas iš nerūdijančio metalo

## 3. LIMITS WHEN PROCESSING

- Surgical instruments made from stainless steel or titanium are basically suited for a high number of reprocessing cycles. However, it should be considered that each chemical and thermal treatment leads to stress and thus to the ageing of the material.



## Lacral Instruments

**Mallet**  
lead filled  
stainless steel head  
K7-1860



16. P. Harms tipo, dešininis trabekulotomijos zondas su dviem lygiaverčiais darbiniais galiukais

**Harms**  
Trabeculotomy Probe  
K7-1000 right  
K7-1010 left

17. P. Apvalia gruoblėta rankena

16. P. Apvalia gruoblėta rankena

17. P. Harms tipo, kairinis trabekulotomijos zondas su dviem lygiaverčiais darbiniais galiukais

**Infant**  
Lacimal Dilator  
very fine blunt tip  
K7-2000



**Muldoon**  
Lacimal Dilator  
K7-2100



## Screw Thread Injector

18.P. Įstatomos instrumento priekyje



18.P. Instrumentas skirtas Alcon AcrySof dirbtinių intraokulinių lęšių implantavimui į akį naudojant Alcon Monarch A, B, C dėžutes.

- Suitable for Alcon MONARCH® IIIA, IIIC and IIB cartridges
- Front loading cartridge, secured by rotating sleeve
- Screw thread delivery for efficient lens implantation
- Rapid screw thread gives a smooth predictable lens delivery
- Injector separates to expose internal parts for cleaning
- Injector length (without cartridge) 152mm

18.P. Apsaugomas sukama gruoablėta rankove

18.P. Sukamas srieginis stūmoklis sklandžiam ir nuspėjamam lęšio išstūmimui.

18.P. Instrumento ilgis 152 mm

The thread engages at the IOL implant pre-load position, reducing the screw movement for the surgeon during final delivery. To ensure a successful IOL delivery and implantation, correct loading and setting of the IOL implant into the cartridge is essential. Duckworth & Kent always recommends using the Loading Forceps (DK7717) which feature highly polished surfaces for easier loading without any damage to the IOL implant. The forceps correctly load the IOL implant into the cartridge in a pre-load position.

# Care and Repair

## Care and Handling

Effective reprocessing and correct handling of Duckworth & Kent ophthalmic surgical devices will prolong their life and ensure they are reliable and safe during operation.

Duckworth & Kent manufacture their products from quality sourced materials. Titanium, the primary material for all Duckworth & Kent devices, can withstand repeat sterilisation without compromise to the devices edge or surface quality. It is corrosion resistant, not just to steam, but to a vast range of chemicals (acids and alkalis), making it ideal for the harsh environments devices are exposed to during cleaning.

Other materials used include the plastics PEEK, Ultem and PTFE. These plastics are strong and durable and can withstand repeated cleaning and sterilisation at temperatures up to 170°C.

18.P. Pagamintas iš titano, tinkamas plovimui automatinėse instrumentų plovimo-dezinfekavimo mašinose

Care and Handling, Guidelines for Reprocessing



## Repair Service

Our experience indicates that the high precision instruments used with the operating microscope require regular maintenance to ensure constant high performance and long life. Duckworth & Kent offers a fast turnaround to repair and service hand held surgical instruments, including diamond knives.

- We always provide a quality, professional service utilising our technologically advanced in-house facilities.
- We aim to achieve a fast and efficient turnaround.
- D&K Instruments are repaired by highly skilled craftsmen, ensuring that any small imperfections are not overlooked.
- We repair all Duckworth & Kent ophthalmic surgical instruments including diamond knives.

**Before we carry out any work or repairs on any instrument we will require proof that the instrument has been decontaminated.**

If you are unable to provide the relevant documentation / certificate to confirm decontamination and you are aware that this process has been performed then please download and complete a decontamination form.

Scan the QR code for our decontamination forms.



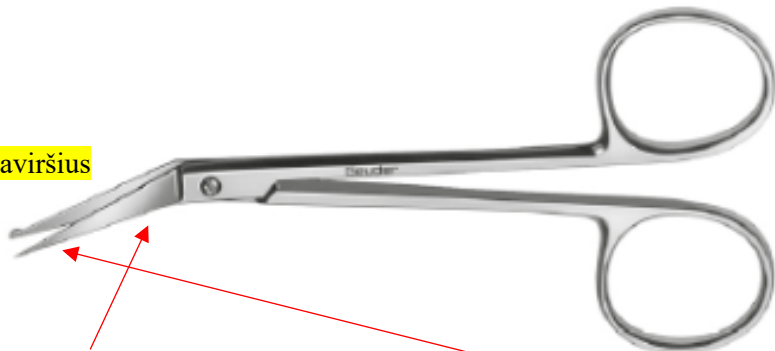
**G-19450** GRAEFE  
EYE SCISSORS  
angled up  
blunt tips  
overall length 90 mm  
matte finish



19.P. Oftalmologinės žvairumo operacijų žirkklės, skirtos tiesiesiems akies judinamiesiems raumenims kirpti

**G-19505** EYE SCISSORS  
angled to side, probe tip  
sharp-blunt  
overall length 115 mm  
matte finish

19.P. Instrumento ilgis 115 mm, matinis paviršius



19.P. Ašmenys rankenų atžvilgiu nukreipti buku kampu, vienas ašmenų galas smailus, kitas bukas

**G-19510** EYE SCISSORS  
angled to side, probe tips  
blunt tips  
overall length 115 mm  
matte finish



09

UTILITY - PROBE TIPS - RING HANDLE

## Scissors

20.P. Stevens tipo oftalmologinės tenotomijos žirklutės lenktais, standartinio dydžio ašmenimis, bukais galiukais

**Stevens**  
Tenotomy Scissors  
blunt tips  
standard  
K4-8500 straight  
K4-8510 curved



20.P. Lenktais ašmenimis

**Stevens**  
Tenotomy Scissors  
ribbon type  
blunt tips  
K4-8520 straight  
K4-8530 curved



**Knapp**  
Strabismus Scissors  
blunt tips  
K4-9000 straight  
K4-9010 curved





## IOL Manipulators

### Lester

IOL Manipulator  
0.25mm diameter tip  
*Ideal for multi-directional manipulation.*

**K3-2680** straight, with guard

**K3-2690** angled



21.P. Lester tipo oftalmologinis IOL manipuliavimo kabliukas lenkta kampu, nežymiai išlenkta į priekį skliautuota darbine dalimi su 0,25 mm diametro užapvalintu žemyn nukreiptu galiuku.

### Lester

IOL Manipulator  
0.25mm diameter tip  
vaulted shank  
*For engaging the inferior haptic without touching the dome of the IOL.*

**K3-2691**



21.P. Su apvalia rankenėle gruoblėtu paviršiumi

### Maloney

IOL Manipulator  
0.25mm diameter tip  
vaulted shank  
with guard

**K3-2692**



### Hunkeler

IOL Manipulator  
with 0.3mm diameter  
hemi-ball tip, vaulted shank

**K3-2695**



## Muscle Hooks

### Hofmann-Thornton

Globe Fixation Ring  
with swivel handle  
16mm diameter ring  
multiple blunt teeth  
**K3-6168**



### Stevens

Tenotomy Hook  
blunt, small  
**K3-6600**



### Helveston

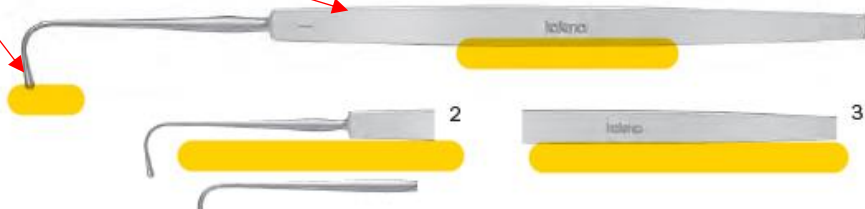
"Teaser" Hook  
extra delicate, blunt  
**K3-6610**



22.P., 23.P. ir 24.P. Graefe tipo raumeninis kabliukas mažų, lenktu darbiniu galiuku su apvaliu sustorėjimu distaliniame gale, plokščia rankena. Naudojamas raumens užkabinimui operacijų metu.

### Graefe

Muscle Hook  
**K3-6710** size 1  
**K3-6720** size 2  
**K3-6730** size 3



# Forceps

## Fixation Forceps

1x2 teeth

**K5-4500** Bracken, delicate teeth

**K5-4550** Elschmig, standard teeth  
(not shown)



## Troutman

Superior Rectus  
Forceps  
1x2 teeth  
angled

**K5-4700**



25.P. McPherson tipo oftalmologinis siūlų rišimo pincetas, skirtas 8(0)-11(0) storio siūlų rišimui

## Tying Forceps

For 8-0 to 11-0 sutures.

### McPherson

5mm long smooth jaws

**K5-5000** straight

**KT5-5000** straight, titanium

**K5-5010** angled

**KT5-5010** angled, titanium

### Kelman-McPherson

25.P. Užlenktais galiukais su 5,0 mm ilgio darbine plokštuma, plokščiomis rankenomis su 3 skylėmis kiekvienoje pusėje.

**5030** angled

**KT5-5030** angled, titanium

### Bechert

10mm long smooth jaws

**K5-5049** angled

### Gaskin

11mm long smooth jaws

**K5-5050** angled



K5-5000

K5-5010



K5-5030

K5-5049

K5-5050



## Forceps

### Tennant

Tying Forceps  
extra delicate smooth jaws  
with 6mm long platform  
round handle with guide pin  
For 9-0 to 11-0 sutures.

**K5-5220** straight  
**KT5-5220** straight, titanium  
**K5-5230** curved  
**KT5-5230** curved, titanium



### Maumenee

Tying Forceps  
concave-convex jaws  
round handle with guide pin  
For 8-0 to 11-0 sutures.

**K5-5234** straight  
**K5-5235** angled



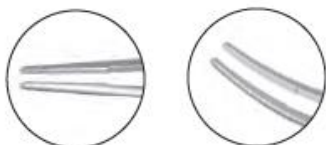
JAWS CROSS SECTION



### Harms

Tying Forceps  
standard, smooth jaws  
for 7-0 to 9-0 sutures.

**K5-5400** straight  
**K5-5410** curved



26.P. Helveston tipo oftalmologinis siūlų rišimo pincetas, skirtas 4(0)-6(0) storio siūlų rišimui

### Helveston

Tying Forceps  
standard, smooth jaws  
For 4-0 to 6-0 sutures.

**K5-5420**



26.P. Standartinis, tiesiais galiukais, su standartine lygia darbine plokštuma, plokščiomis rankenomis su 3 skylėmis kiekvienoje pusėje

## Forceps

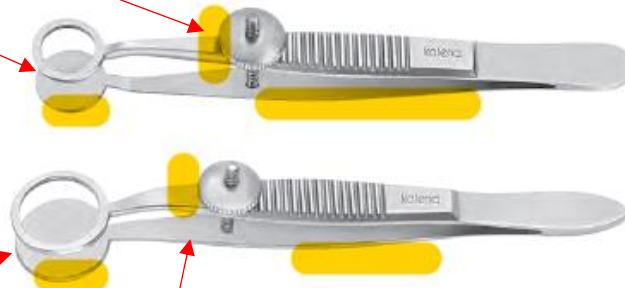
27.P. Lambert tipo spaustukas, skirtas šaltojo miežio operacijoms, turintis plokščias rankenas griovelių pavidalo reljefo paviršiais stabilumui užtikrinti, o darbinėje dalyje – skritulio formos plokštumą ir prie šios sraigtniu fiksacijos mechanizmu prispaudžiamą plokščią, 8 mm vidinio diametro žiedą

### Chalazion Forceps

round

**K5-9450** Lambert, 8mm I.D.

**K5-9500** Hunt, 12mm I.D.



28.P. Hunt tipo spaustukas, skirtas šaltojo miežio operacijoms, turintis plokščias rankenas griovelių pavidalo reljefo paviršiais stabilumui užtikrinti, o darbinėje dalyje – skritulio formos plokštumą ir prie šios sraigtniu fiksacijos mechanizmu prispaudžiamą plokščią, 12 mm vidinio diametro žiedą

### Chalazion Forceps

oval

**K5-9550** Baird, 11 x 8mm I.D.

small

**K5-9600** Francis, 14 x 11mm I.D.

medium

**K5-9650** Desmarres, 20 x 13mm I.D.

large



K5-9600



K5-9650

### Wies

Chalazion Forceps

grooved upper jaw

**K5-9750**



**G-18680** **LAMBERT  
CHALAZION FORCEPS**  
round, 9 mm inside diameter  
solid and fenestrated plates  
overall length 92 mm  
matte finish



**G-18670** **AYER  
CHALAZION FORCEPS**  
round, 8 mm inside diameter  
interlacing tips  
solid and fenestrated plates  
overall length 90 mm  
matte finish



**DESMARRES  
CHALAZION FORCEPS**  
oval  
solid and fenestrated plates  
**G-18685** 20 mm, overall length 88 mm  
**G-18690** 25 mm, overall length 90 mm  
**G-18695** 31 mm, overall length 95 mm  
matte finish



**G-18700** **CAUER  
CHALAZION FORCEPS**  
oval, 13 mm x 11 mm inside diameter  
interlacing serrated tips  
solid and fenestrated plates  
overall length 99 mm



29.P. Lordan tipo spaustukas šaltojo miežio operacijoms, su užapvalinto trikampio formos darbine dalimi, instrumento ilgis 95 mm

**G-18710** **LORDAN  
CHALAZION FORCEPS**  
triangular, 13 mm x 8 mm inside diameter  
solid and fenestrated plates  
overall length 95 mm  
matte finish



29.P. Matinis paviršius

**G-18715** **BERKE  
PTOSIS FORCEPS**  
22 mm long serrated tips  
slide lock mechanism  
overall length 110 mm  
matte finish



29.P. 13 mm vidinio diametro anga viršutiniame spaudžiančiame paviršiuje, sraigtniu fiksacijos mechanizmu, plokščia rankena griovelių pavidalo reljefo paviršiumi.

## Calipers

30.P. Castroviejo tipo oftalmologinis matuoklis smailiais tiesiais galiukais, su sraigtiniu fiksacijos mechanizmu ir matavimo skale nuo 0 iki 20 mm

### Castroviejo

Caliper

20mm spread

K3-9000 straight

K3-9002 angled

K3-9010 curved



30.P. Sugraduota kas 1 mm

### Osher

Incision Caliper

For internal measurement  
of cataract incisions from  
1 to 10mm.

K3-9012



### Helveston

Scleral Ruler

15mm long, with notches  
in 5mm increments  
single marking tooth at tip  
For measuring and marking  
the distance from the limbus  
to the location of the muscle  
reinsertion.

K3-9030



04

CHALAZION - ENUCLEATION



**G-15840** **HEBRA**  
**CHALAZION CURETTE**  
small  
2.5 mm x 4.0 mm oval scoop  
overall length 133 mm  
matte finish



**G-15845** **HEBRA**  
**CHALAZION CURETTE**  
medium  
3 mm x 5 mm oval scoop  
overall length 133 mm  
matte finish

31.P. Axenfeld tipo, šaltojo miežio kiuretė, dvipusė, su ovaliomis 4,5x2,5 mm ir 6,5x3,0 mm dydžio galvutėmis



**G-15910** **AXENFELD**  
**CHALAZION CURETTE**  
double ended  
4.5 x 2.5 mm and 6.5 x 3.0 mm oval cures  
overall length 144 mm  
matte finish

31.P. Plokščia griovelų pavidalo reljefo paviršiaus rankena

31.P. Instrumento ilgis 144 mm.

31.P. Matiniu paviršiumi



**G-31545** **BUNGE**  
**EXENTERATION CURETTE**  
medium  
10 mm spoon  
overall length 142 mm  
matte finish



**G-31555** **BUNGE**  
**EXENTERATION CURETTE**  
large  
12 mm spoon  
overall length 144 mm  
matte finish

## Curettes

32.P. Meyerhoefer tipo šaltojo miežio kiuretė apskrita 2,25 mm diametro darbine dalimi, plokščia rankena.

### Meyerhoefer Chalazion Curette

**K3-1000** size 0, 1.5mm dia.

**K3-1010** size 1, 1.75mm dia.

**K3-1020** size 2, 2.25mm dia.

**K3-1030** size 3, 2.5mm dia.

**K3-1040** size 4, 3.5mm dia.



### Capsule

Polishing Curette

1.75mm diameter open ring

**K3-1100** Nightingale, semi-sharp, posterior edge

**K3-1102** Shepherd, semi-sharp anterior and posterior edges



### Scorsetti-Shepherd

Capsule Polisher

1.75mm diameter open ring

tip angled 90°

semi-sharp anterior and posterior edges

**K3-1105**



### Anis

Capsule Scrubber

flexible wire

textured disc

**K3-1111**



## Forceps

33.P. Serrefine tipo spaustukas, tiesus, plokščiais darbiniais paviršiais, plokščiomis griovelių pavidalo reljefo rankenomis

### Serrefine

serrated jaws

small

1½" (38mm) long

K5-9850



33.P. Instrumento ilgis 38 mm.

### Hartmann

Mosquito Forceps

extra delicate

3¾" (95mm) long

K5-9900 straight

K5-9910 curved



### Halsted

Mosquito Forceps

delicate

5¾" (145mm) long

K5-9940 straight

K5-9950 curved



## Forceps

### Clayman

Lens Holding Forceps  
delicate angled jaws  
gently curved  
**K5-8700**



34.P. Jameson tipo oftalmologinis raumens spaustukas su 4 dantukais

### Jameson

Muscle Forceps  
with slide lock

**K5-9000** 4 teeth, child size, right

**K5-9010** 4 teeth, child size, left (not shown)



34.P. dešininis, su slankiojančiu užraktu, kurio paviršius turi griovelių pavidalo reljefą, skirtas vaikų žvairumo operacijoms.

36.P. Berke tipo ptozės spaustukas 20 mm ilgio darbine spaudžiančia dalimi su išilginiais grioveliais

### Berke

Ptosis Forceps  
with slide lock

longitudinally grooved jaws

**K5-9300** 20mm long

**K5-9310** 27mm long



36.P. Su slankiojančiu užraktu, kurio paviršius stabilumui užtikrinti turi griovelių pavidalo reljefą.



## Retractors

### Scleral Shield

stainless steel

non-reflective exterior surface

To protect the eye during blepharoplasty and skin resurfacing procedures.

**K1-8480** 1 small, 1 large (set)

**K1-8481** 20 x 28mm, small (pair)

**K1-8482** 22 x 30mm, large (pair)



### Jaeger

Lid Plate

clear plastic

**K1-8500**



### Jaeger

Lid Plate

stainless steel

**K1-8520**



35.P. Wright tipo fascijos adata išlenkta darbine dalimi su ovalia 1x6 mm dydžio skale distaliniame gale, turinti žiedo formos fiksaciją pirštui rankenos dalyje.

### Wright

Fascia Needle

1mm x 6mm oval hole

140mm long

**K1-8540**



35.P. Instrumento ilgis 140 mm.

## Muscle Hooks

### Jameson

Muscle Hook

K3-6800 small

K3-6810 large (shown)



### Du Plessis

Muscle Hook

double arm

K3-6814



### Guyton

Small Incision

Muscle Hook

K3-6820



37.P. Rychwalski tipo raumenims kabliukas, abejose darbinės dalies pusėse turintis išilginius griovelius

### Rychwalski

Double-Groove Muscle Hook

For use on tight

rectus muscles.

K3-6830



37.P. Rankena plokščia, lygaus paviršiaus

37.P. Naudojamas atliekant žvairumo operacijas, esant įtemptiems tiesiesiems raumenims, kad apsaugotų nuo odos perforacijos siuvant.

## E5107 Flynn Scleral Depressor



38.P. Flynn tipo odenos įspaudiklis, skirtas vaikams, su ovalo formos darbine dalimi, plokščia griovelių pavidalo reljefo rankena

### SPECIFICATIONS

#### Product Description

Lens loop style tip excellent for depressing pediatric sclera. Flat serrated handle. Polished finish. Overall length: 80mm, 3.2 inches.

#### Materials:

Stainless Steel

38.P. Instrumento ilgis 80 mm.

38.P. Pagamintas iš nerūdijančio metalo.

[View Sterilization Details](#)

# Speculums

## Sauer

Lid Speculum

**K1-5300** for infants, 11mm blades

**K1-5302** for premature infants, 2mm blades



## Frankel

Infant Lid Speculum  
adjustable

*For precise control of  
infant eyelid retraction.*

**K1-5310** 10mm blades



## Infant

Wire Speculum

interlacing 3mm & 5mm blades

*For use with newborns or infants.*

**K1-5330**



39.P. Alphonso tipo vielinis blefarostatas, skirtas naujagimiams ir kūdikiams, Vielinėmis uždaro tipo 5 ir 7 mm ilgio mentelėmis

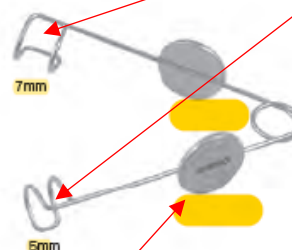
## Alphonso

Infant Lid Speculum

finger grips and interlacing blades  
to facilitate insertion

one blade 5mm, one blade 7mm

**K1-5340**



39.P. Su spyruokliniu mechanizmu ir instrumento suėmimą palengvinančiomis platformomis pirštams.

## Speculums

40.P. Barraquer tipo vielinis blefarostatas su plokštelinėmis uždaromis, 15 mm ilgio mentelėmis

### Solid Blade

Wire Speculum

**K1-5020** Barraquer, 10mm blades

**K1-5030** Barraquer, 15mm blades

**K1-5032** Feaster, 20mm blades (not shown)



K1-5020



K1-5030

40.P. Su spyruokliniu mechanizmu palenktu žemyn

### Kratz-Barraquer

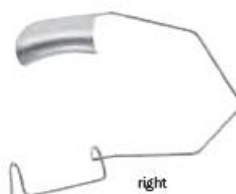
Wire Speculum

15mm blades

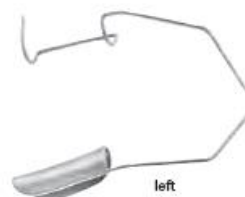
one solid and one open wire

**K1-5044** for right eye

**K1-5045** for left eye



right



left

### Kratz-Barraquer

Wire Speculum

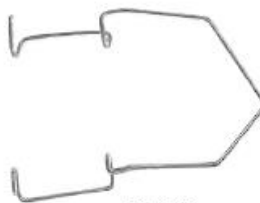
with open blades

For unobstructed access to the cataract incision with phaco or I/A tip.

**K1-5049** heavy wire, 15mm blades (not shown)

**K1-5050** standard wire, 15mm blades

**K1-5051** standard wire, 13mm blades



K1-5050



K1-5051

# Ocular Shield

41.P. Vokų operacijų metu ant akies uždedamas PMMA medžiagos gaubtelis ragenos apsaugai nuo pažeidimo.



The ocular shield is a protective eye shield for conventional lid surgery. It comes with a suction cup for ease of placement and removal.

Sterile, disposable

Box of 1

41.P. Vienkartinio naudojimo

- Provided with suction cup for easy placement and removal
- Material: PMMA

41.P. Pateikiamas komplekte su vakuuminio prisiurbimo priedu, skirtu patogesniai apsauginio gaubtelio uždėjimui/ nuėmimui

# Disposable Orbital Sizers

42.P. Skirtas tiksliam akiduobės implanto dydžio parinkimui.



With four different sizes, enucleation and evisceration disposable sizers help physicians accurately determine what size orbital implants are needed.

Sterile, disposable

42.P. Vienkartinio naudojimo

Box of 4 sizers

42.P. Pagaminta iš polioksimetileno (POM) medžiagos

- For enucleation or evisceration
- To select accurate implant size
- PolyOxyMethylene (POM)
- Sizes 14, 16, 18 and 20 mm

42.P. Komplekte su 4 matuokliais skirtingo diametro sferinėmis darbinėmis dalimis, dydžiai 14, 16, 18, 20 mm.

## Forceps

43.P. Chirurginis pincetas audiniams suimti, tiesus, galiukais su smulkiomis 1x2 dantukais

### Tissue Forceps

1x2 teeth

**K5-4100** delicate, straight

**K5-4110** delicate, curved (not shown)

**K5-4140** standard, straight (not shown)



43.P. Su plokščiomis rankenomis griovelių pavidalo reljefo paviršiumi.

### Adson

straight, 5" (125mm) long

**K5-4150** Dressing Forceps  
serrated jaws,  
delicate

**K5-4152** Dressing Forceps  
serrated jaws,  
standard

**K5-4170** Tissue Forceps  
1x2 teeth, delicate

**K5-4172** Tissue Forceps,  
1x2 teeth, standard



1x2 teeth, delicate

### Bayonet

Dressing Forceps  
serrated jaws  
5 3/4" (146mm) long  
**K5-4180**



3/4

### Lester

Fixation Forceps  
straight

**K5-4300** 1x2 teeth

**K5-4320** 2x3 teeth (not shown)





## Speculums

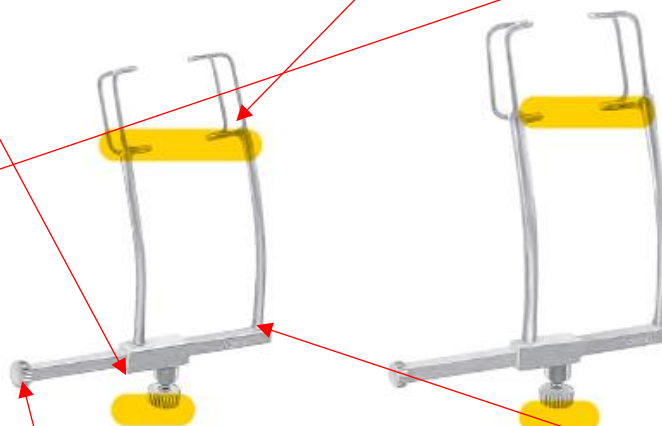
44.P. Murdoch tipo blefarostatas su varžtiniu fiksacijos mechanizmu, su vielinėmis, uždaro tipo, 12 mm ilgio, lenktomis mentelėmis

### Murdoch

Eye Speculum  
with locking screw

**K1-5406** #2, 12mm blades

**K1-5407** #3, 15mm blades



44.P. Strypas ant kurio slankioja mentelių tarpusavio padėties fiksatorius su viena iš darbinių dalių, kvadrato formos skerspjuvio, pasibaigiantis apvaliu gruoblėtu paviršiaus cilindru.

### Mellinger

Eye Speculum  
self retaining

For unobstructed access to the  
cataract incision with phaco or I/A tip.

**K1-5411** 15mm blades



## Speculums

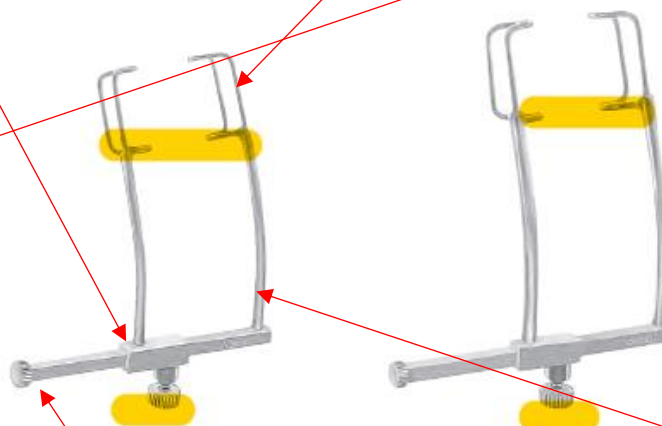
45.P. Murdoch tipo blefarostatas su varžtiniu fiksacijos mechanizmu, su vielinėmis, uždaro tipo, 15 mm ilgio, lenktomis mentelėmis

### Murdoch

Eye Speculum  
with locking screw

**K1-5406** #2, 12mm blades

**K1-5407** #3, 15mm blades



45.P. Strypas ant kurio slankioja mentelių tarpusavio padėties fiksatorius su viena iš darbinių dalių, kvadrato formos skerspjūvio, pasibaigiantis apvaliu gruoblėtu paviršiaus cilindru.

### Mellinger

Eye Speculum  
self retaining

For unobstructed access to the  
cataract incision with phaco or I/A tip.

**K1-5411** 15mm blades



# Forceps

## Fine

Tying Forceps  
standard, smooth jaws  
For 7-0 to 9-0 sutures.

**K5-5550**



## Arita

Meibomian Gland Compressor  
broad, smoothly polished jaws

**K5-5900**



46.P. Barraquer tipo blakstienų pincetas nedaug palenkta darbine dalimi, su plokščiomis rankenomis su 3 skylėmis kiekvienoje pusėje

## Barraquer

Cilia Forceps  
lightly angled  
Textured jaws provide  
superior grasping capabilities.

**K5-6000**



46.P. Švelniai gruoblėtais darbiniais paviršiais, užtikrinančiais geras blakstienų sugriebimo savybes

## Katena

Cilia Forceps  
slanted jaws  
gold plated

**K5-6020**

## Gradle

Cilia Forceps  
smooth jaws

**K5-6100**

