

# Geuder®

MILESTONES OF MODERN  
OPHTHALMIC SURGERY



**70**  
YEARS  
1951 - 2021



**Geuder®**  
Precision made in Germany

**INSTRUMENTS**  
MAIN CATALOGUE  
10 / 2021

## FOCUSED ON PRECISION.

### GEUDER – PRECISION MADE IN GERMANY.

GEUDER AG was founded by Hans Geuder Sr. in Heidelberg 1951, since then it has become a worldwide leading manufacturer of ophthalmic surgical instruments and systems as well as provider for highly purified biomaterials. The broad portfolio offered by GEUDER AG includes a wide range of surgical equipment for the anterior and posterior segments of the eye, along with highly innovative biomaterials for retinal and cataract surgery developed and produced by our affiliated company FLUORON GmbH.

As a result of intensive contact and cooperations with leading experts in the ophthalmology world, GEUDER AG is continuously developing and

manufacturing the most innovative products that fulfill the international standards.

A numerous amount of granted patents in more than 70 years demonstrates our intensive involvement in research and development, as well as our forward-looking philosophy. Always keeping our goal to provide the highest level of precision and reliability while complying with the requirements of ophthalmologists to serve the patient's expectations and well being.

With over 3.000 ophthalmic surgical products being distributed in more than 100 countries, GEUDER AG covers a large range of instruments



required for surgical procedures in the anterior and posterior segment of the eye. Thanks to innovative production technologies our instruments offer a unique level of precision and longevity. The constant extension of our product range – particularly single-use instruments – is following the current and especially prospective regulatory requirements and statutory regulations in the medical sector.

Qualified and specialized employees in the field of service and repair ensure that the product's performance and quality is maintained over years – an important feature for the ophthalmic surgeon who is aware of quality and environment.

Our catalogue, in addition to classic standard instruments also displays the most representative current instruments as well as novelties and new developments for innovative surgical methods.

Please contact us for more detailed information about our surgical instruments, systems and biomaterials.

Certified to ISO 13485, 9001 and others





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Manufacturer of ophthalmic surgical instruments and systems

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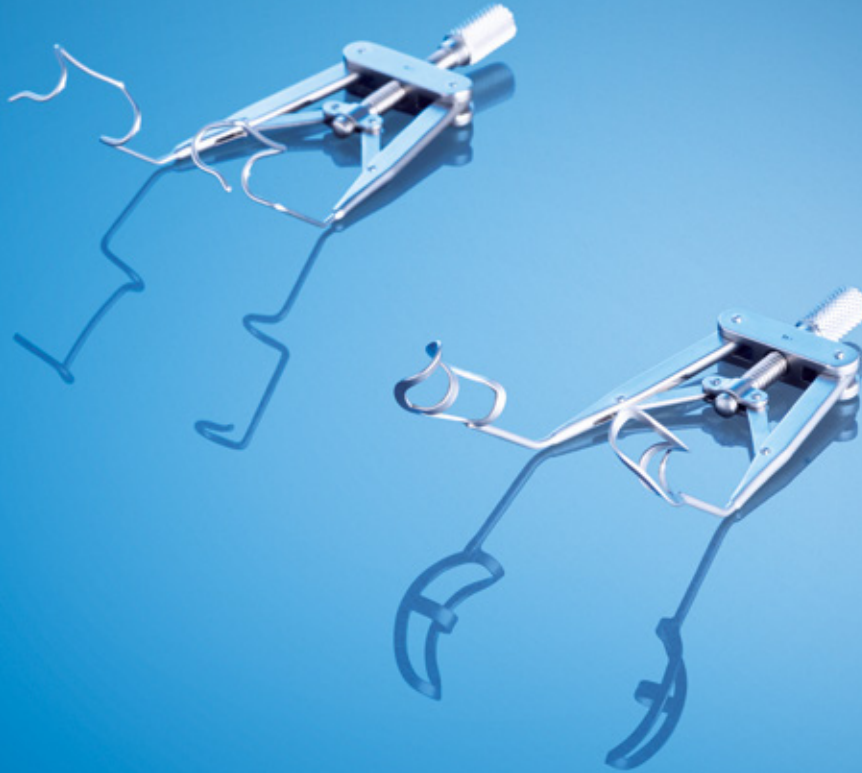
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## EYE SPECULA



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**G-17020**

*BARRAQUER*  
**EYE SPECULUM**  
fenestrated  
14 mm blades  
overall length 38 mm

**01**

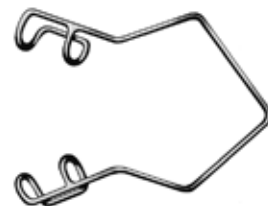
WIRE

**G-17025**

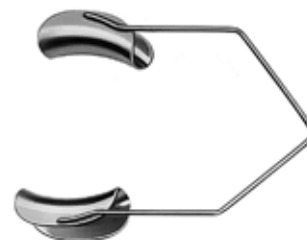
*BARRAQUER*  
**EYE SPECULUM**  
for infants  
fenestrated  
10 mm blades  
overall length 40 mm

**G-17023**

*BARRAQUER*  
**EYE SPECULUM**  
for premature infants  
fenestrated  
7 mm blades  
overall length 34 mm

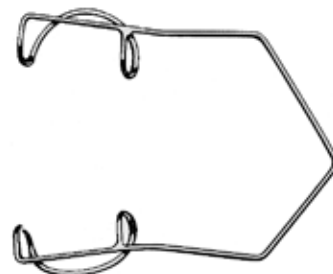
**G-17026**

*BARRAQUER*  
**EYE SPECULUM**  
15 mm solid blades  
overall length 40 mm

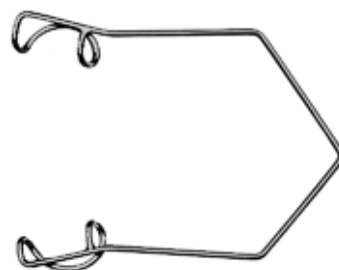


**G-32136**

*BARRAQUER*  
**EYE SPECULUM**  
fenestrated  
14 mm round blades  
overall length 38 mm

**G-32137**

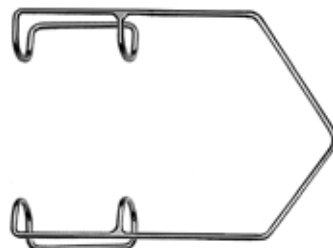
*BARRAQUER*  
**EYE SPECULUM**  
for infants  
fenestrated  
10 mm round blades  
overall length 38 mm

**G-32148**

*BARRAQUER*  
**EYE SPECULUM**  
fenestrated  
14.5 mm open blades  
overall length 40 mm

**G-32149**

*BARRAQUER FRANKFURT MODEL*  
**EYE SPECULUM**  
fenestrated, large  
14.5 mm blades  
overall length 40 mm





G-32133

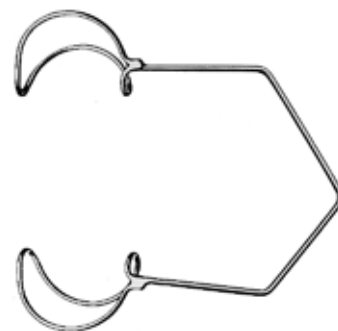
*KRATZ-BARRAQUER***EYE SPECULUM**

fenestrated

15 mm round wing blades

overall length 40 mm

to lift and retract the lids away from the globe  
eliminating external pressure



01

WIRE

*OHNO***EYE SPECULUM**

fenestrated

14 mm round blades

overall length 45 mm

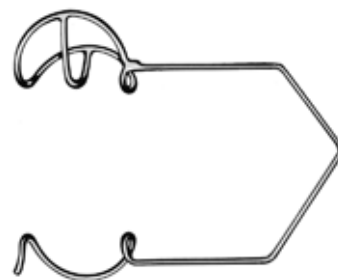
middle bar controls redundant lid tissue

G-32126

for the right eye

G-32127

for the left eye



G-17004

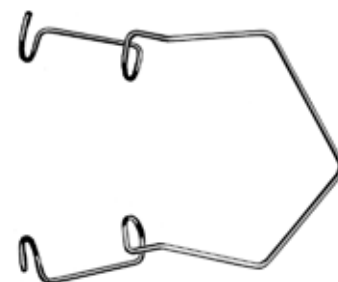
*H.-R. KOCH***TEMPORAL APPROACH EYE SPECULUM**

for nasal placement

fenestrated

14 mm open blades

overall length 40 mm



G-32129

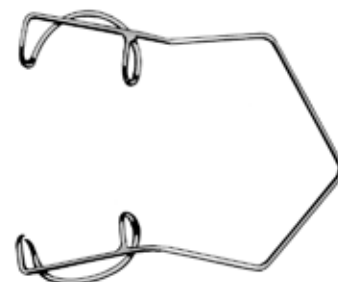
**TEMPORAL APPROACH EYE SPECULUM**

for nasal placement

fenestrated

15 mm round blades

overall length 40 mm



*BARRAQUER-OOSTERHUIS***EYE SPECULUM**

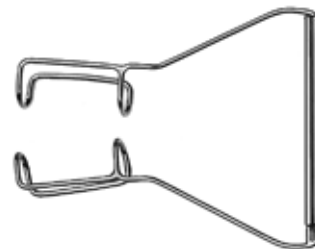
fenestrated, adjustable

**G-17010**

14 mm blades, overall length 40 mm

**G-17011**

10 mm blades, overall length 30 mm, for infants

*BARRAQUER-OOSTERHUIS***EYE SPECULUM**

solid blades, adjustable

**G-17015**

15 mm blades, overall length 40 mm

**G-17016**

11 mm blades, overall length 30 mm, for infants

*BARRAQUER-OOSTERHUIS***EYE SPECULUM**

fenestrated round blades

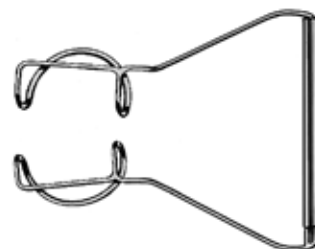
adjustable

**G-32138**

14 mm blades, overall length 40 mm

**G-32139**

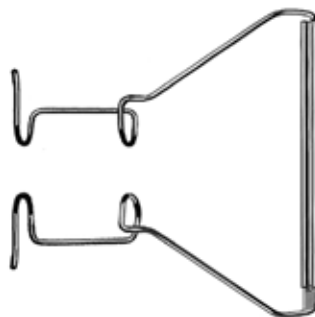
11 mm blades, overall length 30 mm, for infants

**G-17017***BARRAQUER-OOSTERHUIS-KRATZ***EYE SPECULUM**

adjustable, fenestrated

15 mm open blades

overall length 40 mm



**G-32119***KRATZ-BARRAQUER***EYE SPECULUM**

adjustable, fenestrated  
15 mm round wing blades  
overall length 40 mm

**01**

WIRE · ADJUSTABLE

**G-17027***THOMAS NEUHANN***EYE SPECULUM**

adjustable  
15 mm solid blades  
overall length 40 mm

**G-17030***SAUER***EYE SPECULUM**

12 mm solid blades  
overall length 30 mm

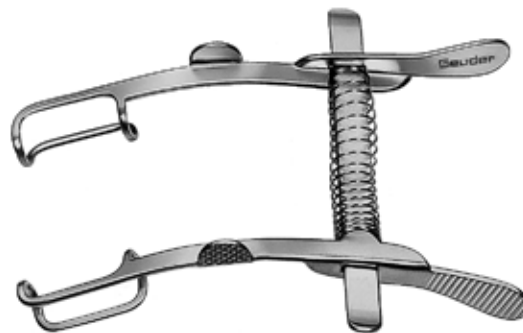
**G-32134***TAKEDA***EYE SPECULUM**

for infants  
9 mm fenestrated blades  
with finger grips and  
angled interlacing valves  
overall length 28 mm



**G-15945***MELLINGER***EYE SPECULUM**

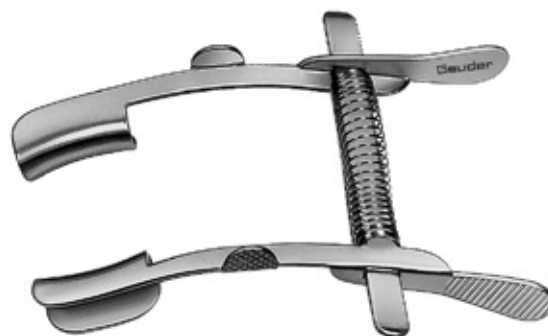
large  
adjustable, self retaining  
16.5 mm fenestrated blades  
overall length 65 mm

**G-32130***MELLINGER***EYE SPECULUM**

small, for infants  
adjustable, self retaining  
12.5 mm fenestrated blades  
overall length 55 mm

**G-15946***MELLINGER-BEARD***EYE SPECULUM**

large  
adjustable, self retaining  
15.5 mm solid blades  
overall length 65 mm

**G-32135***MELLINGER-BEARD***EYE SPECULUM**

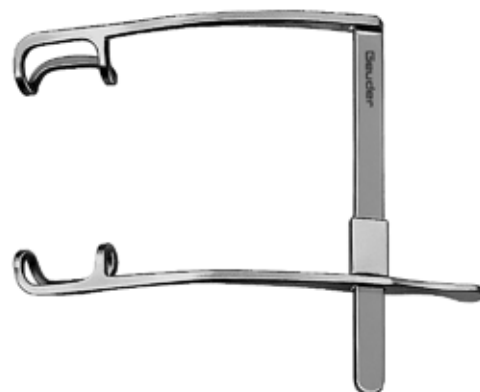
small, for infants  
adjustable, self retaining  
11.5 mm solid blades  
overall length 55 mm



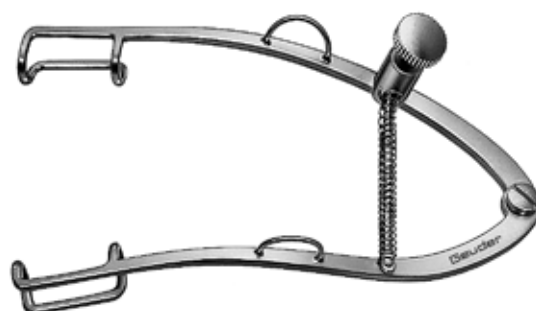


**G-16050****G-16055***PRETORI***EYE SPECULUM**

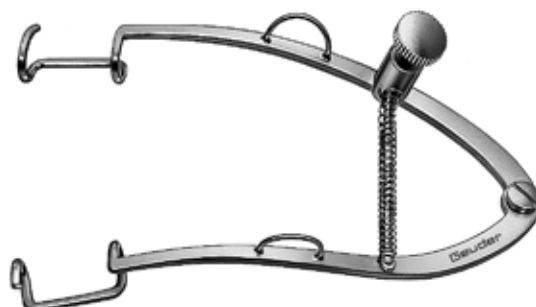
13.5 mm fenestrated blades  
 adjustable, self retaining  
 overall length 63 mm  
 left  
 right

**G-15950***WEISS***EYE SPECULUM**

fenestrated  
 adjustable with locking screw  
 17.5 mm blades  
 overall length 85 mm

**G-15951***WEISS***EYE SPECULUM**

fenestrated  
 adjustable with locking screw  
 17.5 mm open blades  
 overall length 85 mm

**G-15955***WEISS***EYE SPECULUM**

small  
 adjustable with locking screw  
 15 mm fenestrated blades  
 overall length 55 mm



**G-15956**

*WEISS*  
**EYE SPECULUM**

small  
adjustable with locking screw  
15 mm open blades  
overall length 55 mm



**G-15970**

*WEISS*  
**EYE SPECULUM**

adjustable with locking screw  
16.5 mm solid blades  
overall length 85 mm



**G-15975**

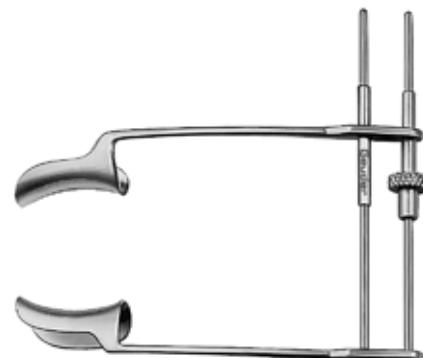
*WEISS*  
**EYE SPECULUM**

small  
adjustable with locking screw  
14 mm solid blades  
overall length 55 mm



**G-16010***BANGERTER***EYE SPECULUM**

adjustable, with locking screw  
15 mm solid blades  
overall length 52 mm

**01**

ADJUSTABLE · LOCKING

**G-16020***CASTROVIEJO***EYE SPECULUM**

fenestrated, adjustable  
overall length 96 mm

**G-16025**

14 mm blades, small

**G-16025**

16 mm blades, medium

**G-16030**

18 mm blades, large

**G-15990***COOK***EYE SPECULUM**

large  
16 mm solid blades  
adjustable, with locking screw  
overall length 50 mm

**G-15995***COOK***EYE SPECULUM**

medium  
11 mm solid blades  
adjustable, with locking screw  
overall length 40 mm



**G-16000***COOK***EYE SPECULUM**

small

8 mm solid blades

adjustable, with locking screw

overall length 35 mm

**G-32128***COOK***EYE SPECULUM**

for infants

5 mm solid blades

adjustable, with locking screw

overall length 30 mm

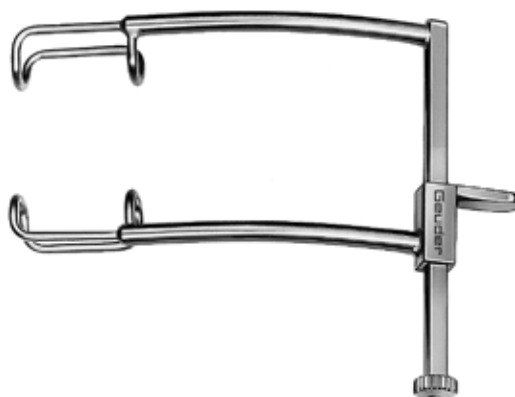
**G-17000***MURDOCK***EYE SPECULUM**

left

14 mm fenestrated blades

adjustable, self retaining

overall length 50 mm

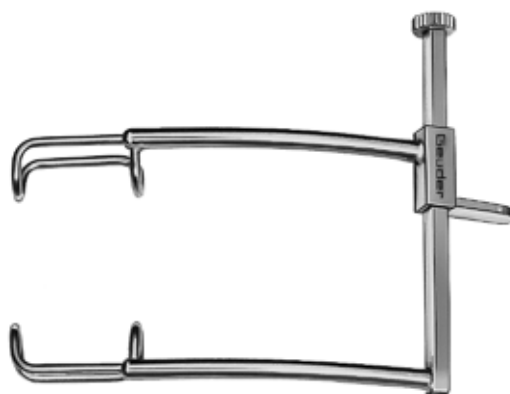
**G-17001***MURDOCK***EYE SPECULUM**

right

14 mm fenestrated blades

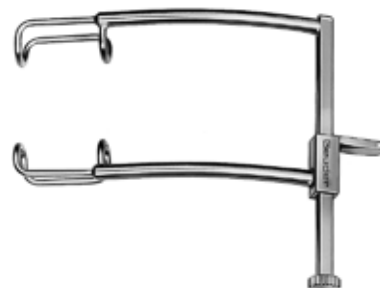
adjustable, self retaining

overall length 50 mm

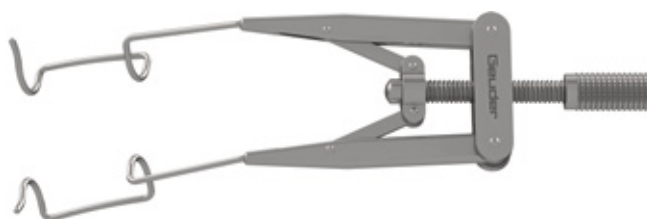


*MURDOCK***EYE SPECULUM**

small  
 12 mm fenestrated blades  
 adjustable, self retaining  
 overall length 45 mm  
 left  
 right

**G-17002****G-17003****G-15960***LIEBERMAN-TENNANT***EYE SPECULUM**

adjustable, fenestrated  
 for temporal placement  
 15 mm open blades  
 overall length 80 mm

**G-15965***KERSHNER***EYE SPECULUM**

adjustable, reversible  
 for nasal and temporal placement  
 15 mm fenestrated blades  
 overall length 75 mm

**G-15966***KERSHNER***EYE SPECULUM**

adjustable, reversible  
 for nasal and temporal placement  
 15 mm solid blades  
 overall length 75 mm



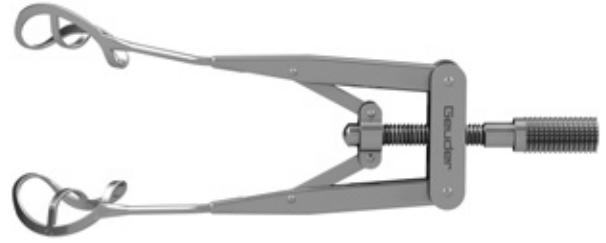
G-33965

*DICK*

## FEMTOCATARACT EYE SPECULUM

adjustable

18 mm flattened fenestrated blades with middle bar to control redundant lid tissue  
overall length 80 mm

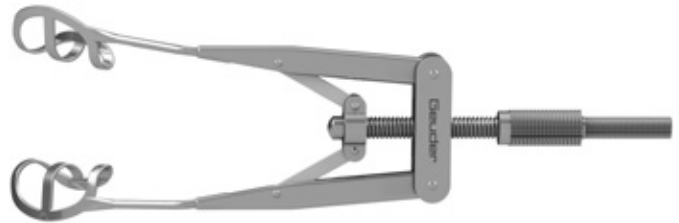


G-33971

*SOLOMON*

## FEMTOCATARACT EYE SPECULUM

14.5 mm flattened fenestrated blades with middle bar to control redundant lid tissue  
double knurled screw for fast adjustment and fine tuning  
overall length 90 mm



G-33919

## SPARE TUBING SET

for eye speculum with aspiration

scale 1:2

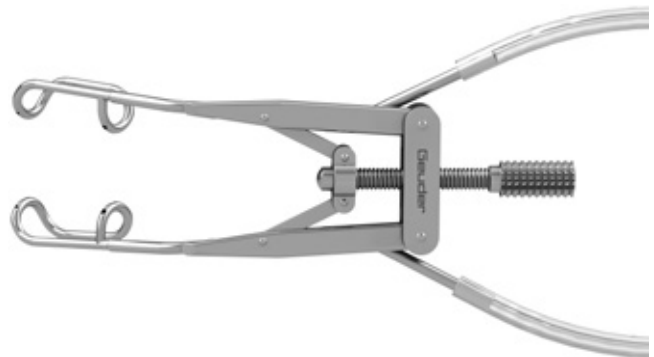
G-33920

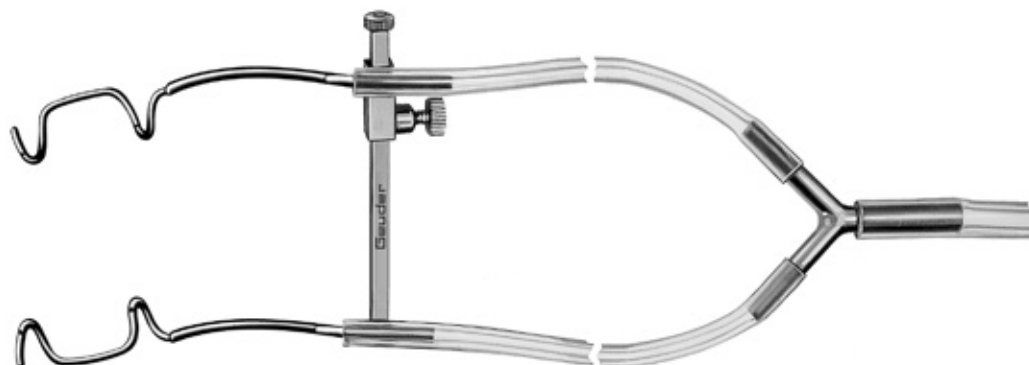
*KNORZ*

## LASIK EYE SPECULUM

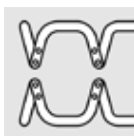
adjustable, with aspiration

16 mm fenestrated blades  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor



*NODA***EYE SPECULUM**

adjustable, with aspiration  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor

**G-17019**

15 mm open blades

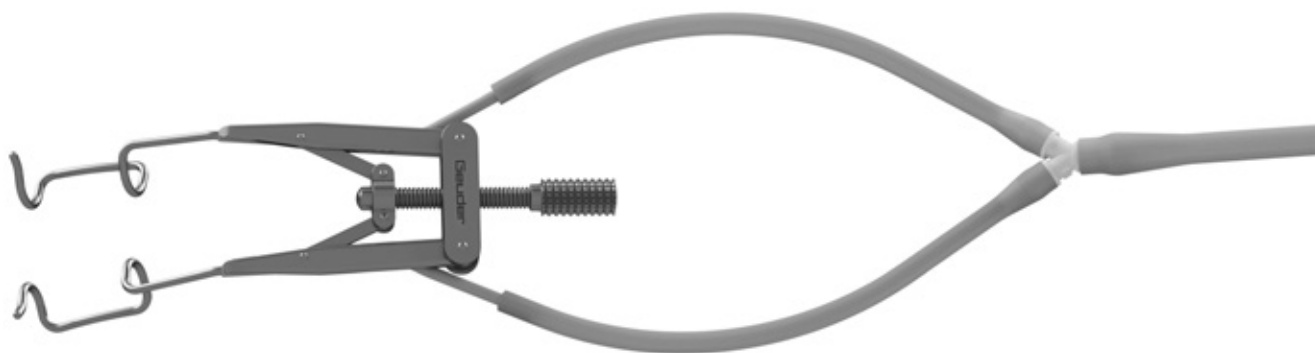
**G-17021**

12 mm open blades, for infants

**G-17005***PAULMANN***EYE SPECULUM**

adjustable, with aspiration  
for PPV, with extra aspiration bar  
16 mm fenestrated blades  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor

**G-17006****CLAMP FOR INFUSION TUBE**for *PAULMANN* eye speculum (G-17005)



**G-15961**

*LIEBERMAN-TENNANT*

## **EYE SPECULUM**

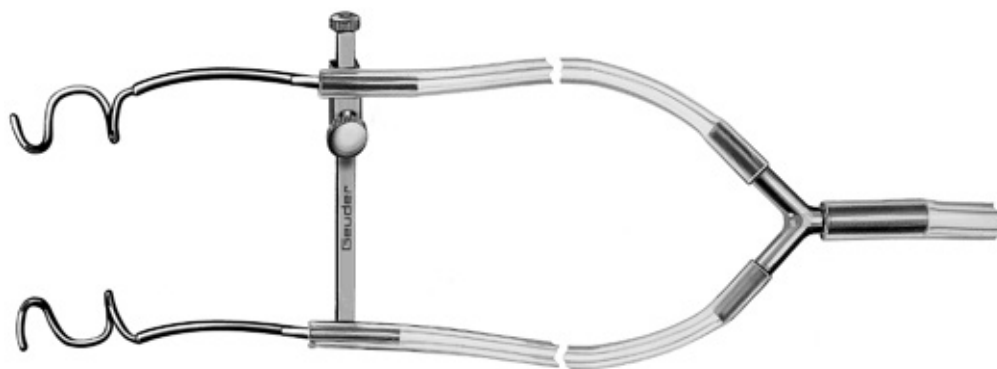
adjustable, with aspiration  
for temporal placement

15 mm open blades

overall length 80 mm

to remove excess fluid from the surgical field

supplied with silicone tubing and adaptor



**G-17024**

*KOGA / NODA*

## **EYE SPECULUM**

with 5 mm aspiration slits

adjustable

12 mm open blades

to remove excess fluid from the surgical field

supplied with silicone tubing and adaptor



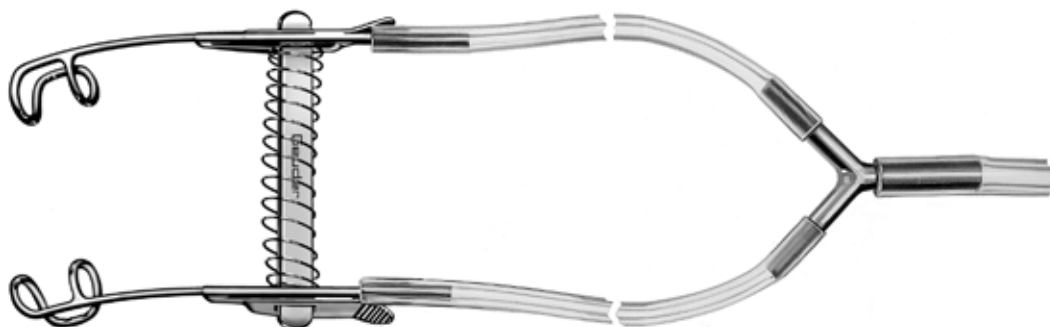
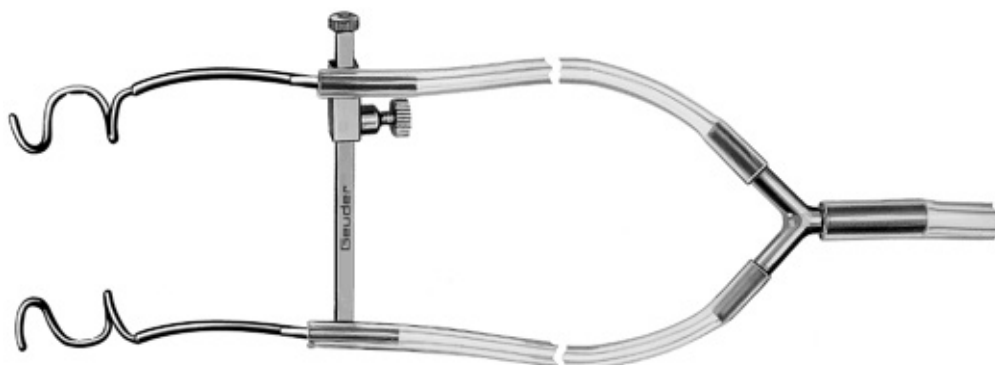


G-17031

NODA

**EYE SPECULUM**

adjustable, with aspiration  
open blades  
2 x 10 aspiration ports  
supplied with silicone tubing and adaptor

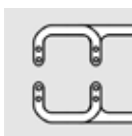


G-15962

KAMMANN

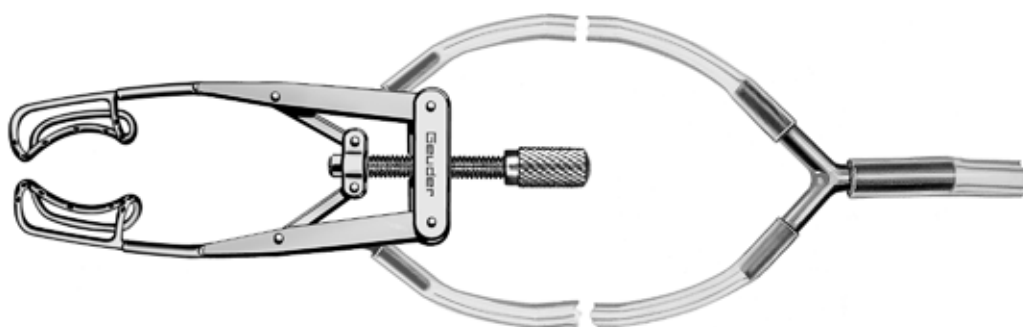
**EYE SPECULUM**

adjustable, with aspiration  
self retaining  
11 mm fenestrated blades  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor

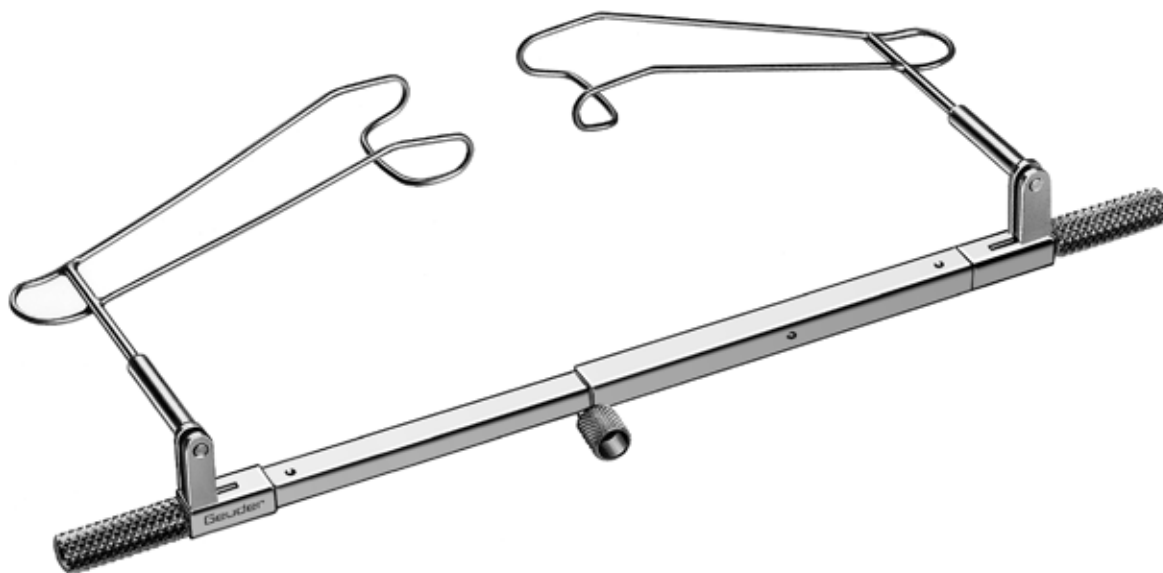


**G-33914***ZIRM***LASIK EYE SPECULUM**

adjustable, with aspiration  
16 mm fenestrated blades  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor

**G-33925***MAUS***LASIK EYE SPECULUM**

adjustable, with middle aspiration bar  
16 mm fenestrated blades  
to remove excess fluid from the surgical field  
supplied with silicone tubing and adaptor

**EYE SPECULUM**

fenestrated blades  
adjustable mechanism regulates opening and blade elevation  
optimal for glaucoma surgery

**G-15920**

large, 16 mm blades

**G-15925**

small, 12 mm blades

*SCHOTT***EYE SPECULUM**

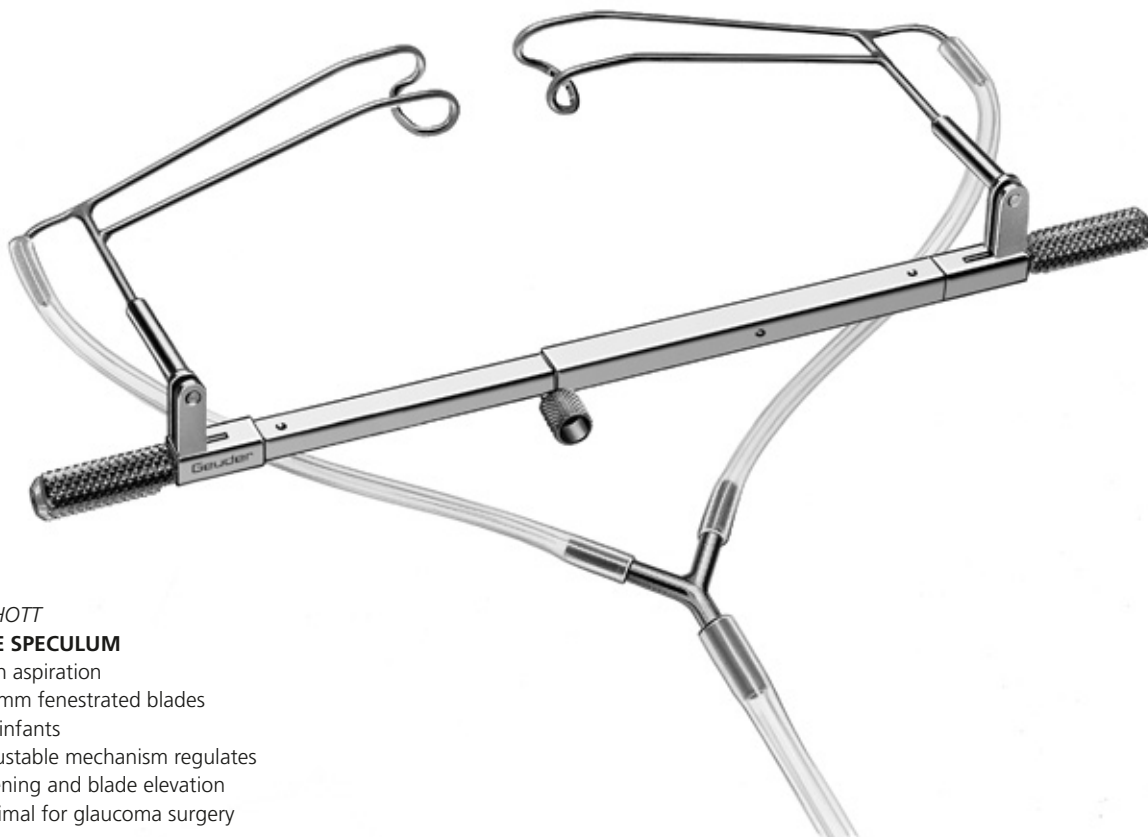
solid blades  
adjustable mechanism regulates opening and blade elevation  
optimal for glaucoma surgery

**G-15921**

large, 15 mm blades

**G-15926**

small, 11 mm blades



**G-15928**

*SCHOTT*  
**EYE SPECULUM**

with aspiration  
13 mm fenestrated blades  
for infants  
adjustable mechanism regulates  
opening and blade elevation  
optimal for glaucoma surgery

## RETRACTORS





**G-16080**

*DESMARRES*  
**LID RETRACTOR**  
for infants  
7 mm wide  
overall length 133 mm

**G-32120**

*DESMARRES*  
**LID RETRACTOR**  
fig. 0  
9 mm wide  
overall length 138 mm

**G-16060**

*DESMARRES*  
**LID RETRACTOR**  
fig. 1  
12 mm wide  
overall length 133 mm

**G-16065**

*DESMARRES*  
**LID RETRACTOR**  
fig. 2  
14 mm wide  
overall length 135 mm



**G-16070** *DESMARRES*  
**LID RETRACTOR**  
fig. 3  
16 mm wide  
overall length 138 mm



**G-16075** *DESMARRES*  
**LID RETRACTOR**  
fig. 4  
17 mm wide  
overall length 138 mm



**G-32115** *GIESSEN MODEL*  
**LID RETRACTOR**  
14 mm wide, fenestrated  
overall length 133 mm



**G-17040** *JAEGER*  
**LID PLATE**  
stainless steel  
20 mm and 23 mm concave ends  
overall length 110 mm





**G-15542** *AXENFELD*  
**LACRIMAL SAC RETRACTOR**  
4 prongs, blunt  
9 mm wide  
overall length 140 mm



**G-15540** *AXENFELD*  
**LACRIMAL SAC RETRACTOR**  
3 prongs, 7 mm wide  
overall length 140 mm  
**G-15545** blunt  
sharp



**G-15550** *AXENFELD*  
**LACRIMAL SAC RETRACTOR**  
2 prongs, 4 mm wide  
overall length 140 mm  
**G-15555** blunt  
sharp



**G-15560** *ROLLET*  
**LACRIMAL SAC RETRACTOR**  
4 prongs, sharp  
6 mm wide  
overall length 140 mm



*GUTHRIE*

## RETRACTOR

double skin hook, sharp

overall length 125 mm

small

large

**G-15350**

**G-15355**



**G-17085**

*AMERICAN MODEL*

## LACRIMAL SAC RETRACTOR

4 x 4 prongs, blunt

cross-action

adjustable, self retaining

overall length 100 mm



**G-17070**

*MUELLER*

## LACRIMAL SAC RETRACTOR

3 x 3 prongs

adjustable

overall length 70 mm



**G-17080**

*GOLDSTEIN*

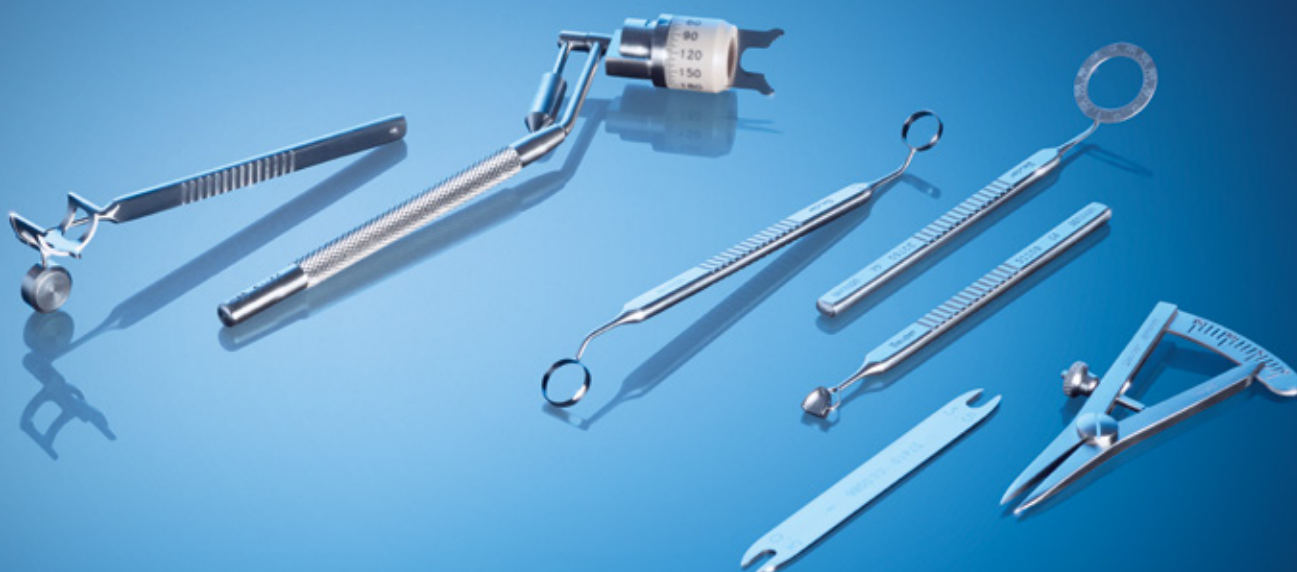
## LACRIMAL SAC RETRACTOR

3 x 3 prongs

adjustable

overall length 30 mm

# CALIPERS, MARKERS MEASURING INSTRUMENTS TONOMETER, OCULOPRESSOR



CORNEAL MARKERS.....	41
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THOMAS NEUHANN

**CORNEAL MARKER**

with cross hairs

inside diameter 3.0 mm

outside diameter 12.0 mm

overall length 105 mm

**G-33725**

4 blades

**G-33726**

6 blades

**G-33727**

8 blades



03

CORNEAL MARKERS



**G-32222**

THOMAS NEUHANN

**CORNEAL MARKER**

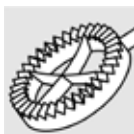
for astigmatic keratotomy

10° scale and cross-hairs

6.0 mm inside diameter

8.0 mm outside diameter

overall length 105 mm



HOFFER

**CORNEAL MARKER**

for optic zone

with cross hairs

overall length 103 mm

**G-33730**

inside diameter 3.0 mm

**G-33732**

inside diameter 3.5 mm

**G-33733**

inside diameter 3.75 mm

**G-33734**

inside diameter 4.0 mm

**G-33735**

inside diameter 4.5 mm

**G-33736**

inside diameter 5.0 mm

**G-33737**

inside diameter 5.5 mm

**G-33738**

inside diameter 6.0 mm

**G-33739**

inside diameter 6.5 mm

**G-33740**

inside diameter 7.0 mm

**G-33741**

inside diameter 7.5 mm

**G-33742**

inside diameter 8.0 mm



**G-38600**

*THOMAS NEUHANN*

**CORNEAL MARKER**

for DSAEK/DSEK/DMEK procedures  
combination of 8.0 mm / 9.0 mm diameters  
to produce a guide for Descemetorhexis  
overall length 123 mm



**G-33780**

**G-33781**

*LINDSTROM*

**CORNEAL MARKER**

to mark arcuate incisions  
for surgical correction of astigmatism  
overall length 100 mm  
optic zone 6.0 mm  
optic zone 7.0 mm



**G-32228**

**G-32229**

*DUNCKER*

**SUTURE MARKER**

8-pointed star and cross hairs  
to center the trephine and perform  
double running suture  
overall length 102 mm  
for 7.0 mm transplant  
for 8.0 mm transplant

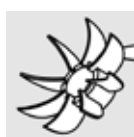


**G-32224**

*THOMAS NEUHANN*

**SUTURE MARKER**

8 blades  
for keratoplasty  
fits with *KRUMEICH* GTS  
overall length 102 mm



*SUFFO / HOMBURG MODEL*

**CORNEA SUTURE MARKER**

for penetrating keratoplasty (PK)  
to fix the corneal graft by a Hoffmann  
double running crossed diagonal suture  
with 2 x 8 bites

**G-33743**

for 7.5 mm grafts

**G-33744**

for 8.0 mm grafts



*CASTROVIEJO*

**CALIPER**

scale on both sides  
with 1 mm increments  
15 mm scale, overall length 78 mm  
20 mm scale, overall length 85 mm

**G-19130**

15 mm scale, overall length 78 mm

**G-19135**

20 mm scale, overall length 85 mm



**G-19138**

*OSHER*

**INCISION MEASURING CALIPER**

1 to 10 mm  
scale on both sides  
for internal measurement of cataract incisions  
overall length 75 mm



**G-37400**

*BRAUNSTEIN*

**FIXED CALIPER**

for marking of sclerotomy site  
at 3.5 mm posterior to the surgical limbus  
overall length 45 mm



*BRAUNSTEIN*

**FIXED CALIPER**

for marking of sclerotomy site posterior  
to the surgical limbus  
overall length 80 mm

**G-37410**

3.0 mm / 3.5 mm

**G-37412**

3.0 mm / 4.0 mm

**G-37414**

3.5 mm / 4.0 mm

**G-37418**

4.0 mm / 5.0 mm





- G-18650** **RULER**  
150 mm  
0.5 mm and 1.0 mm increments

- G-18645** *GIESSEN MODEL*  
**RULER**  
vaulted  
1 to 30 mm  
overall length 60 mm



- G-32225** *VOGT*  
**SCLERAL RULER**  
vaulted  
1 to 20 mm  
overall length 126 mm



- G-32004** *ENGELS*  
**MEASURING SPATULA**  
1 to 15 mm  
angled 45°  
overall length 88 mm



- G-32210** *FRONIMOPOULUS*  
**TRABECULECTOMY MARKER**  
5 x 5 mm  
U-shaped marking pattern  
overall length 70 mm



- G-32209** *TOBIAS NEUHANN*  
**SCLERAL FLAP MARKER**  
5.0 mm and 4.0 mm  
U-shaped marking patterns  
swivel handle allows marking from temporal  
or superior approach





**G-15797**

*FINK*

**STRABISMUS MARKER**

1 mm criss-cross marking tips  
for accurate 9 mm recession of the  
inferior oblique muscle  
overall length 87 mm



**G-33785**

*GRENE*

**VISUAL AXIS MARKER**

0.5 mm diameter  
concave tip  
overall length 103 mm

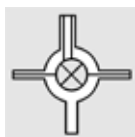
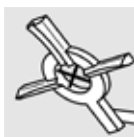


**G-33745**

*MENDEZ*

**LASIK CORNEAL MARKER**

for lamellar flap identification  
and realignment  
overall length 105 mm



**G-33746**

*CHAYET*

**LASIK CORNEAL MARKER**

for lamellar flap identification  
and realignment  
overall length 105 mm



**G-33747**

*LU*

**LASIK CORNEAL MARKER**

for lamellar flap identification  
and realignment  
overall length 105 mm



**03**

STRABISMUS MARKERS · LASIK MARKERS

G-32318

*MALONEY*  
**KERATOMETER**

for qualitative measurement of astigmatism  
overall length 20 mm



G-33760

*MENDEZ*  
**DEGREE GAUGE**

measures from 0° to 180°  
5° increments  
12 mm inside diameter  
overall length 110 mm



G-33762

**DEGREE GAUGE**

for toric IOLs  
with 5° increments and  
rotating alignment rings  
12 mm inside diameter  
overall length 110 mm



G-33763

*GERTEN*  
**HORIZONTAL AXIS MARKER**

for precise marking of the 0° axis  
during toric IOL implantation  
or refractive laser surgery  
overall length 105 mm



G-33774

*SCOTT*  
**CORNEAL PENDULUM MARKER**

for temporary placement of  
0°, 90°, and 180° pre-op toric marks  
self-leveling pendulum assures precise  
horizontal axis  
overall length 110 mm



**G-33777**

**TOMARK  
ADJUSTABLE CORNEAL MARKER**

to mark the axis of astigmatism during toric IOL placement  
0° to 180° degree gauge  
5° increments  
overall length 32 mm

for use in combination with slit lamp or G-33776



**G-33776**

**TOMARK PENDULUM INSTRUMENT**

self-leveling handheld pendulum assures precise  
horizontal axis  
overall length 140 mm

to retain TOMARK corneal marker G-33777

**G-33778**

**RETAINER FOR PENDULUM INSTRUMENT**

for G-33776 TOMARK  
overall length 180 mm

scale 1:2



**03**

TORIC MARKERS



**G-19230** *SCHIOETZ*  
**TONOMETER**  
with two weights of 7.5 g and 10 g

**G-15392** *HOMBURG MODEL*  
**OCULOPRESSOR**

**G-15393** **SILICONE BALL**  
with band, for Oculopressor  
*HOMBURG MODEL G-15392*



## CURETTES SPOONS





**G-15900**

*MEYHOEFER*  
**CHALAZION CURETTE**  
1.0 mm diameter cup  
overall length 129 mm

**G-15870**

*MEYHOEFER*  
**CHALAZION CURETTE**  
2.0 mm diameter cup  
overall length 129 mm

**G-15875**

*MEYHOEFER*  
**CHALAZION CURETTE**  
2.5 mm diameter cup  
overall length 129 mm

**G-15880**

*MEYHOEFER*  
**CHALAZION CURETTE**  
3.0 mm diameter cup  
overall length 129 mm

**G-15885**

*MEYHOEFER*  
**CHALAZION CURETTE**  
4.0 mm diameter cup  
overall length 129 mm





**G-15840**

*HEBRA*

**CHALAZION CURETTE**

small

2.5 mm x 4.0 mm oval scoop

overall length 133 mm



**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



**G-31545**

*BUNGE*

**EXENTERATION CURETTE**

medium

10 mm spoon

overall length 142 mm



**G-31555**

*BUNGE*

**EXENTERATION CURETTE**

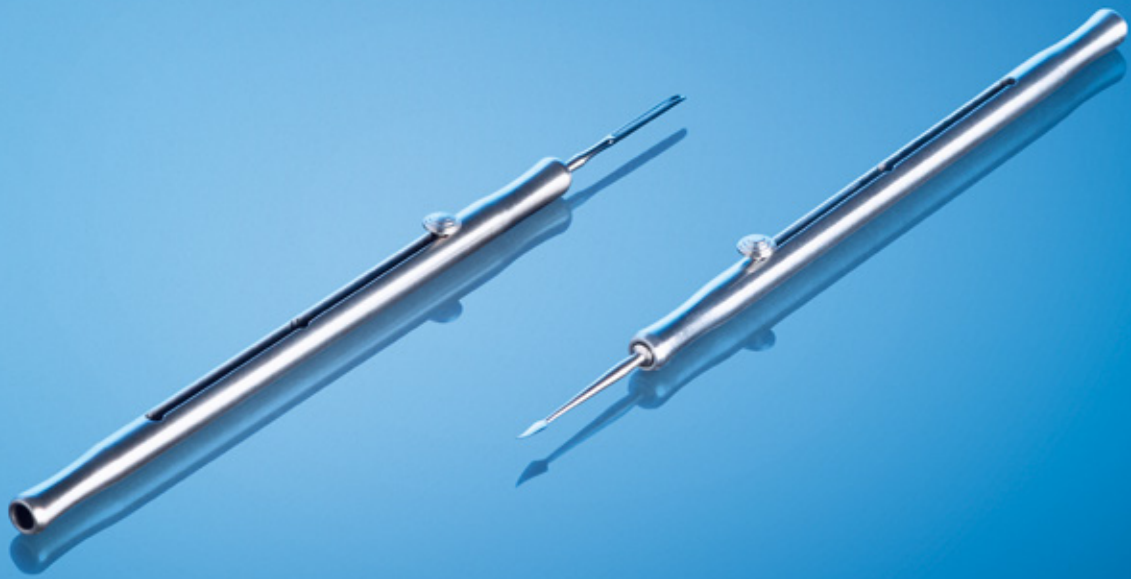
large

12 mm spoon

overall length 144 mm



## FOREIGN BODY INSTRUMENTS







**G-14550 FOREIGN BODY INSTRUMENT**  
 double-ended with sliding handle  
 2.2 mm wide curved needle  
 1 mm wide *PLANGE* spud  
 overall length 95 mm



**G-14540 FOREIGN BODY INSTRUMENT**  
 double ended with sliding handle  
 2.2 mm wide curved needle  
 1.4 mm wide gouge  
 overall length 95 mm



**G-14530 FOREIGN BODY INSTRUMENT**  
 double ended with sliding handle  
 2.2 mm wide curved needle  
 1.4 mm wide spud  
 overall length 95 mm

**G-14490**

**FOREIGN BODY NEEDLE**

straight  
4.5 mm long triangular tip  
2.4 mm wide  
overall length 120 mm



**G-14500**

**FOREIGN BODY NEEDLE**

curved  
4.5 mm long triangular tip  
2.4 mm wide  
overall length 120 mm



**G-14570**

*PLANGE*

**FOREIGN BODY SPUD**

curved and rounded  
1 mm wide spud  
overall length 125 mm



**G-14480**

**FOREIGN BODY GOUGE**

straight  
1.4 mm wide gouge  
overall length 116 mm



05

FOREIGN BODY SPUDS · NEEDLES · GOUGES

## KNIVES DIAMOND KNIVES

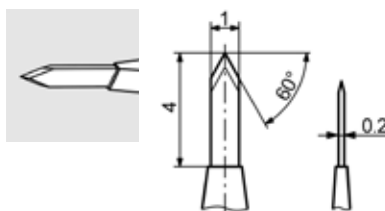


PARACENTESIS · SIDEPORT · UNIVERSAL .....	<b>59</b>
TRIFACET · CLEAR CORNEA .....	<b>60</b>
CRESCENT · STEP TRIFACET · LRI .....	<b>61</b>
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CORNEAL SCARIFIER · DMEK SCRAPER .....	<b>64</b>
SATO .....	<b>65</b>
MICRO · CRVO .....	<b>66</b>

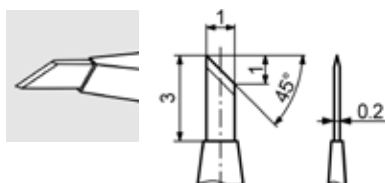



**G-38475 DIACLEAN DIAMOND KNIFE**

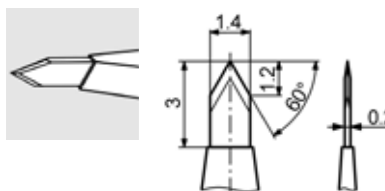
for paracentesis  
 1 mm wide spear  
 titanium handle  
 width 1.0 mm  
 length 4.0 mm  
 thickness 0.2 mm


**G-38344 DIACLEAN DIAMOND KNIFE**

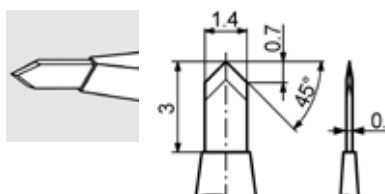
1 mm wide, 45° diamond blade  
 titanium handle  
 width 1.0 mm  
 length 3.0 mm  
 thickness 0.2 mm


**G-38341 DIACLEAN DIAMOND KNIFE**

60° spear diamond blade  
 titanium handle  
 width 1.4 mm  
 length 3.0 mm  
 thickness 0.2 mm


**G-38343 DIACLEAN DIAMOND KNIFE**

45° spear diamond blade  
 titanium handle  
 width 1.4 mm  
 length 3.0 mm  
 thickness 0.2 mm

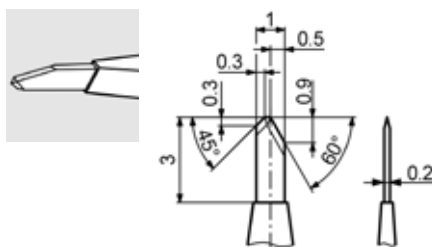


06

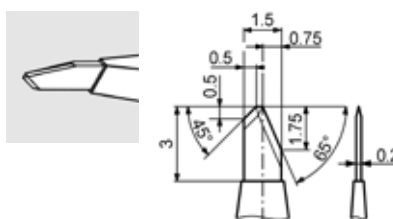
DIAMOND KNIVES: PARACENTESIS · SIDEPORT · UNIVERSAL



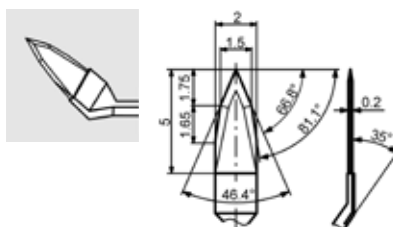
- G-38342** **DIACLEAN TRI-FACET DIAMOND KNIFE**  
 1 mm wide tri-facet diamond blade  
 titanium handle  
 width 1.0 mm  
 length 3.0 mm  
 thickness 0.2 mm



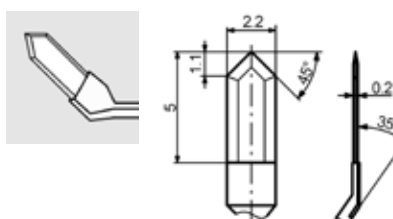
- G-38473** *PHAM*  
**DIACLEAN TRI-FACET DIAMOND KNIFE**  
 titanium handle  
 width 1.5 mm  
 length 3.0 mm  
 thickness 0.2 mm



- G-38448** **DIACLEAN CLEAR-CORNEA-INCISION DIAMOND KNIFE, 1.5/2.0 mm**  
 MICS trapezoid blade, 35° angled  
 4 cutting edges  
 titanium handle  
 width 1.5 / 2.0 mm  
 length 5.0 mm  
 thickness 0.2 mm



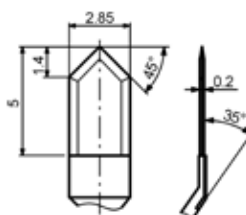
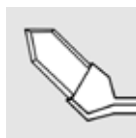
- G-38444** **DIACLEAN CLEAR-CORNEA-INCISION DIAMOND KNIFE, 2.2 mm**  
 4 cutting edges, 35° angled  
 titanium handle  
 width 2.2 mm  
 length 5.0 mm  
 thickness 0.2 mm



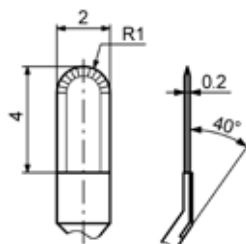
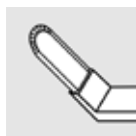


**G-38453**
**DIACLEAN CLEAR-CORNEA-INCISION  
DIAMOND KNIFE, 2.85 MM**

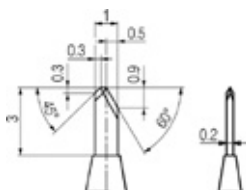
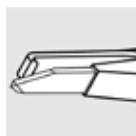
4 cutting edges, 35° angled  
 titanium handle  
 width 2.85 mm  
 length 5.0 mm  
 thickness 0.2 mm

**G-38466**
**DIACLEAN DIAMOND  
CRESCENT KNIFE, 2.0 MM**

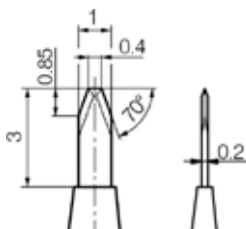
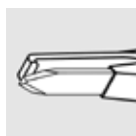
round spatula shape, 40° angled  
 titanium handle  
 width 2.0 mm  
 length 4.0 mm  
 thickness 0.2 mm

**G-31470**
**TRI-FACET DIAMOND STEP KNIFE**

single footplate, titanium handle  
 stepwise adjustable  
 in sterilizing case  
 width 1.0 mm  
 length 3.0 mm  
 thickness 0.2 mm

**G-31468**
**LIMBAL RELAXING INCISION  
DIAMOND KNIFE**

LRI knife with 0.6 mm precalibrated depth  
 single footplate, titanium handle  
 width 1.0 mm  
 length 3.0 mm  
 thickness 0.2 mm

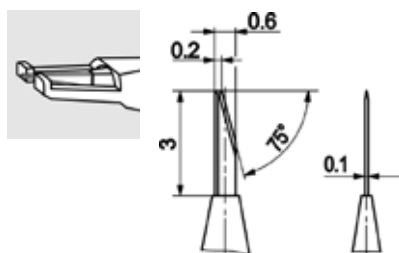
**06**

DIAMOND KNIVES: CLEAR CORNEA · CRESCENT · STEP KNIFE · LRI

**G-31480**

**DIAMOND MICROMETER KNIFE**

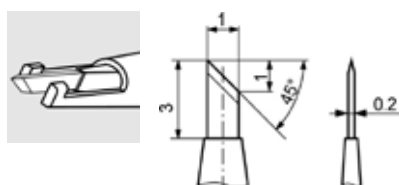
tri-facet for keratotomy  
vertical and 15° cutting edges with  
0.2 mm flat base cutting edge  
double footplate, titanium handle  
width 0.6 mm  
length 3.0 mm  
thickness 0.1 mm



**G-19345**

**DIAMOND MICROMETER KNIFE**

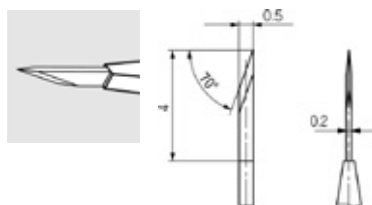
for keratotomy  
single 45° cutting edge  
double footplate, titanium handle  
width 1.0 mm  
length 3.0 mm  
thickness 0.2 mm



**G-31487**

**DIAMOND KNIFE**

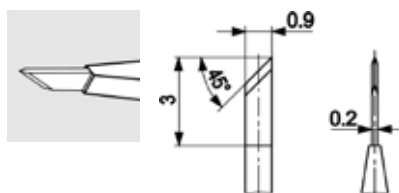
for viscocanalostomy  
0.5 mm wide, 70° diamond blade  
width 0.5 mm  
length 4.0 mm  
thickness 0.2 mm



**G-31477**

**RETINA DIAMOND KNIFE**

45° cutting edge  
20 gauge / 0.9 mm  
titanium handle  
width 0.9 mm  
length 3.0 mm  
thickness 0.2 mm





**G-14420** *HAMBURG MODEL*  
**KERATOME**  
 angled at 14 mm from tip  
 10 mm cutting surface  
 1.1 mm wide  
 overall length 120 mm



**G-14000** **CHALAZION KNIFE**  
 straight, delicate  
 10 mm cutting surface  
 1.8 mm wide  
 overall length 120 mm



**G-14105** **MICRO ROUND KNIFE**  
 for viscocanalostomy  
 0.8 mm diameter disc-shaped blade  
 overall length 112 mm



**G-14180** *BONN MODEL*  
**SCLERAL KNIFE**  
 7 mm blade, rounded tip  
 overall length 126 mm



**G-14185** *BONN MODEL*  
**SCLERAL KNIFE**  
 4 mm blade, rounded tip  
 overall length 126 mm

*KUHN T***CORNEAL SCARIFIER**

rounded tip

overall length 123 mm

**G-14010**

fig. 1, 5.5 mm x 2.5 mm blade

**G-14020**

fig. 2, 4.5 mm x 2.0 mm blade

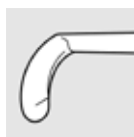
**G-38621***SZURMAN***DMEK PREPARATION SCRAPER**

4.0 mm lower blade, blunt

1.5 mm rounded tip, sharp

for removal of Descemet's membrane from graft

overall length 117 mm

**G-14200***PAUFIQUE***KERATOPLASTY KNIFE**

2 mm long cutting edge

1.7 mm wide semi-circular tip

overall length 105 mm

**G-33670***LOHMANN***LASEK EPI PEELER**

"Hockey" knife with

5 mm bottom blade and 2 mm front blade

overall length 123 mm

**STILETTO**

45° lancet

overall length 53 mm

for instruments with

**G-33022**

23 gauge / 0.6 mm

**G-33025**

20 gauge / 0.9 mm

**G-33026**

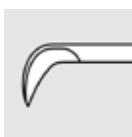
19 gauge / 1.1 mm



**G-14165**     **SATO KNIFE**  
 1.5 mm cutting edge  
 pointed tip  
 overall length 123 mm



**G-16200**     *DARDENNE*  
**SATO KNIFE**  
 1.2 mm cutting edge  
 pointed tip  
 overall length 123 mm



**G-37555**     *FOERSTER*  
**SATO KNIFE**  
 conical shaft  
 front: 30 gauge / 0.3 mm  
 rear: 20 gauge / 0.9 mm  
 overall length 125 mm



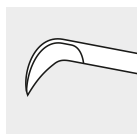
**G-14162**     *HANSEN*  
**SATO KNIFE**  
 double edge,  
 for arteriovenous dissection  
 20 gauge / 0.9 mm  
 overall length 130 mm



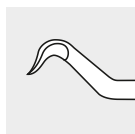
HANSEN

## MICRO KNIFE

for paravasal retinal incision  
during arteriovenous dissection  
20 gauge / 0.9 mm



angled blade, 1.0 mm  
**G-12230**



angled blade, 1.2 mm  
**G-12233**



angled blade, 1.5 mm  
**G-12235**

06

MICRO · CRVO

**G-12200**

## CRVO KNIFE

for Radial Opticus Neurotomy (RON)  
with Central Retinal Vein Occlusion (CRVO),  
20 gauge / 0.9 mm  
overall length 120 mm

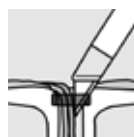
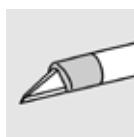


**G-12220**

DITHMAR

## CRVO KNIFE

with preset incision depths at 1.5 mm,  
for radial opticus neurotomy (RON)  
with Central Retinal Vein Occlusion (CRVO),  
20 gauge / 0.9 mm  
overall length 129 mm



## TREPHINES







**BEST  
TREPHINE**

overall length 58 mm



<b>G-31815</b>	1.0 mm
<b>G-31820</b>	1.2 mm
<b>G-31825</b>	1.3 mm
<b>G-31830</b>	1.4 mm

<b>G-31835</b>	1.5 mm
<b>G-31840</b>	1.6 mm
<b>G-31845</b>	1.7 mm
<b>G-31850</b>	1.8 mm

<b>G-31860</b>	2.0 mm
<b>G-31865</b>	2.5 mm

**SCHMIDT-MUMM**
**DUCT TREPHINE**

overall length 38 mm



<b>G-20610</b>	1.0 mm
<b>G-20611</b>	1.1 mm
<b>G-20612</b>	1.2 mm

<b>G-20613</b>	1.3 mm
<b>G-20614</b>	1.4 mm
<b>G-20615</b>	1.5 mm

<b>G-20616</b>	1.6 mm
<b>G-20617</b>	1.7 mm
<b>G-20618</b>	1.8 mm

**HAMBURG MODEL**
**KERATOPLASTY TREPHINE**

overall length 40 mm



<b>G-20040</b>	4.0 mm
<b>G-20050</b>	5.0 mm
<b>G-20054</b>	5.4 mm
<b>G-20055</b>	5.5 mm

<b>G-20060</b>	6.0 mm
<b>G-20065</b>	6.5 mm
<b>G-20070</b>	7.0 mm
<b>G-20080</b>	8.0 mm

<b>G-20090</b>	9.0 mm
<b>G-20100</b>	10.0 mm
<b>G-20110</b>	11.0 mm
<b>G-20112</b>	12.0 mm

<b>G-20113</b>	13.0 mm
<b>G-20114</b>	14.0 mm
<b>G-20115</b>	15.0 mm
<b>G-20116</b>	16.0 mm

**BEST**
**KERATOPLASTY TREPHINE**

overall length 75 mm



<b>G-20450</b>	5.0 mm
<b>G-20455</b>	5.5 mm
<b>G-20460</b>	6.0 mm
<b>G-20465</b>	6.5 mm

<b>G-20470</b>	7.0 mm
<b>G-20480</b>	8.0 mm
<b>G-20490</b>	9.0 mm
<b>G-20500</b>	10.0 mm

<b>G-20510</b>	11.0 mm
<b>G-20520</b>	12.0 mm
<b>G-20530</b>	13.0 mm
<b>G-20540</b>	14.0 mm

<b>G-20550</b>	15.0 mm
<b>G-20560</b>	16.0 mm

**FRANCESCHETTI**
**KERATOPLASTY TREPHINE**

overall length 75 mm



<b>G-17250</b>	5.0 mm
<b>G-17260</b>	6.0 mm
<b>G-17261</b>	6.1 mm

<b>G-17270</b>	7.0 mm
<b>G-17271</b>	7.1 mm
<b>G-17280</b>	8.0 mm
<b>G-17281</b>	8.1 mm

<b>G-17290</b>	9.0 mm
<b>G-17291</b>	9.1 mm
<b>G-17300</b>	10.0 mm

MANY TREPHINES ALSO AVAILABLE IN MINUS, INTERMEDIATE AND PLUS SIZES

**G-31870***THOMAS NEUHANN***CORNEAL PUNCH**

for keratoplasty trephines with thread from  
G-33870 to G-33899, with silicone block for  
donor cornea



07

TREPHINES · PUNCH

**KERATOPLASTY TREPHINE**

with thread, for *NEUHANN*  
corneal punch G-31870  
overall length 40 mm



**G-33870** 7.0 mm  
**G-33872** 7.2 mm  
**G-33873** 7.3 mm  
**G-33874** 7.4 mm  
**G-33875** 7.5 mm  
**G-33876** 7.6 mm  
**G-33877** 7.7 mm  
**G-33878** 7.8 mm  
**G-33879** 7.9 mm

**G-33880** 8.0 mm  
**G-33882** 8.2 mm  
**G-33884** 8.4 mm  
**G-33885** 8.5 mm  
**G-33886** 8.6 mm  
**G-33887** 8.7 mm

**G-33890** 9.0 mm  
**G-33895** 9.5 mm  
**G-33897** 9.7 mm  
**G-33899** 9.9 mm

- G-32671**     *ÖRK LINZ MODEL*  
**SILICONE BLOCK FOR DMEK**  
for donor cornea  
white-colored  
outside diameter 30 mm  
height 19 mm  
only for single use, not sterile



- G-32672**     **SILICONE BLOCK**  
for donor cornea  
blue-colored  
outside diameter 30 mm  
height 19 mm  
only for single use, not sterile



- G-32674**     **SILICONE BLOCK WITH CENTER POINT**  
for donor cornea  
blue-colored  
outside diameter 20 mm  
height 10 mm  
only for single use, not sterile



- G-38620**     *SZURMAN*  
**DMEK GRAFT RETAINER**  
for preparation of DMEK graft  
white-colored  
outside diameter 35 mm  
height 10 mm  
Teflon, for multiple use

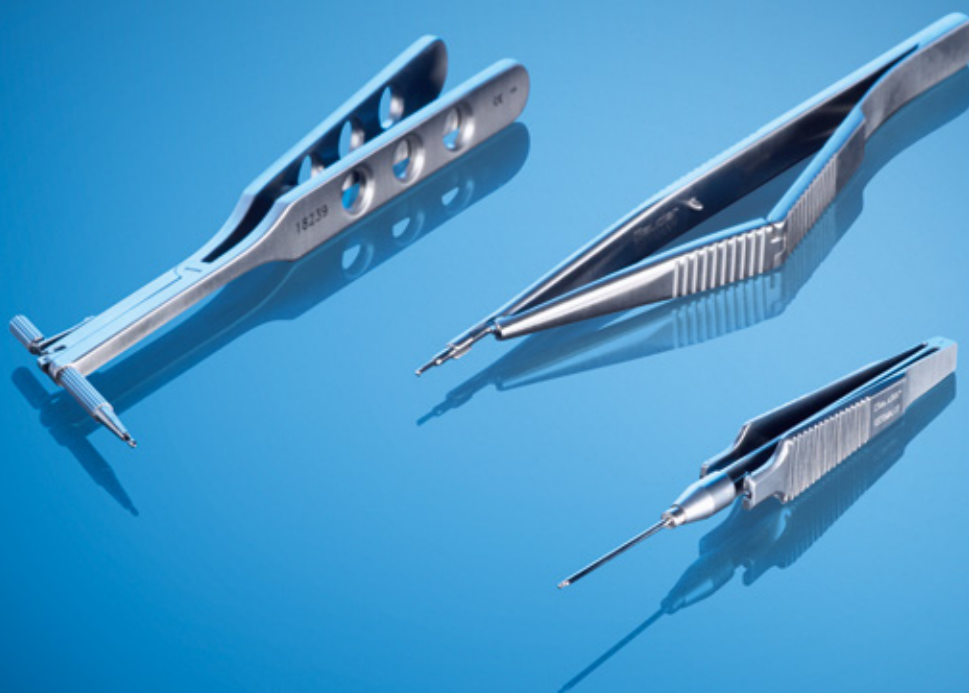


07

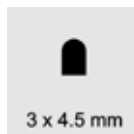
SILICONE BLOCKS



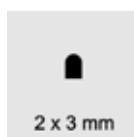
## GLAUCOMA PUNCHES RONGEURS





**G-18210***CITELLI***BONE NIBBLING RONGEUR**
 3 mm x 4.5 mm bite  
 overall length 150 mm


scale 2:5

**G-18220***BEYER***BONE NIBBLING RONGEUR**
 2 mm x 3 mm bite  
 overall length 140 mm


scale 2:5

**G-18225***KERRISON***BONE NIBBLING RONGEUR**
 5 mm x 3.5 mm bite  
 overall length 160 mm


scale 2:5

**08**

RONGEURS



G-18238

KELLY

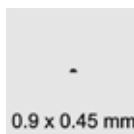
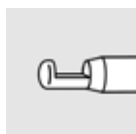
**DESCMET'S MEMBRANE PUNCH**

for Glaucoma

19 gauge / 1.0 mm

0.9 mm x 0.45 mm bite

overall length 122 mm



0.9 x 0.45 mm



G-18239

LUNTZ-DODICK

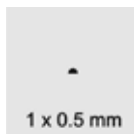
**TRABECULECTOMY PUNCH**

for Glaucoma

with 360° rotatable cutting head

1 mm x 0.5 mm bite

overall length 115 mm



1 x 0.5 mm



G-18235

GREHN

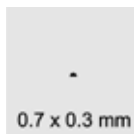
**MICRO TRABECULECTOMY PUNCH**

for Glaucoma

20 gauge / 0.9 mm

0.7 mm x 0.3 mm bite

overall length 90 mm

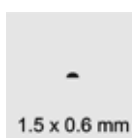


0.7 x 0.3 mm

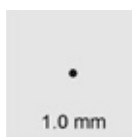




**G-18237** *GASS*  
**CORNEOSCLERAL PUNCH**  
 for Glaucoma  
 with 360° rotatable cutting head  
 1.5 mm x 0.6 mm bite  
 overall length 85 mm



**G-18232** *MOHR*  
**GLAUCOMA PUNCH**  
 1 mm circular bite  
 overall length 78 mm





## SCISSORS



CORNEAL .....	<b>81</b>
CORNEAL · STITCH .....	<b>82</b>
SYNECHIA · TRABECULUM · CAPSULE .....	<b>83</b>
CAPSULE · IRIS .....	<b>86</b>
IRIS · IOL .....	<b>87</b>
TENOTOMY .....	<b>89</b>
TENOTOMY · STRABISMUS .....	<b>90</b>
MISCELLANEOUS · RING HANDLE .....	<b>91</b>
ENUCLEATION .....	<b>94</b>
VITREORETINAL .....	<b>95</b>



## TROUTMAN

### CORNEAL SCISSORS

7 mm blades  
9.5 mm from tip to pivot  
overall length 100 mm  
right, curved blades, blunt tips  
left, curved blades, blunt tips

G-19710

G-19715



## CASTROVIEJO

### CORNEAL SCISSORS

lower blade 9.5 mm  
upper blade 9.0 mm  
overall length 105 mm  
right, curved blades, blunt tips  
left, curved blades, blunt tips

G-19690

G-19695



## KATZIN

### KERATOPLASTY SCISSORS

6 mm blades  
8 mm from tip to pivot  
overall length 100 mm  
right, curved blades, blunt tips  
left, curved blades, blunt tips

G-19720

G-19725



G-19718

## SAUTTER

### CORNEAL SCISSORS

light curve, fine blunt tips  
10 mm blades  
14 mm from tip to pivot  
overall length 100 mm



G-19780

## CASTROVIEJO

### CORNEAL SCISSORS

strong curve, blunt tips  
12 mm blades  
15 mm from tip to pivot  
overall length 103 mm



G-19790

## CASTROVIEJO

### CORNEAL SCISSORS

angled to side, blunt tips  
12 mm blades  
overall length 110 mm



## CORNEAL SCISSORS

light curve  
8 mm blades  
overall length 105 mm  
sharp tips  
blunt tips

**G-19600**  
**G-19605**



## CORNEAL SCISSORS

strong curve, blunt tips  
6 mm blades, overall length 105 mm  
11 mm blades, overall length 110 mm

**G-19607**  
**G-19615**



**G-19727**

*MACKENSEN*  
**KERATOPLASTY SCISSORS**  
strong curve, blunt tips  
overall length 85 mm



**G-19585**

**CORNEAL SECTION SCISSORS**  
angled up, 8 mm blades  
blunt tips  
overall length 100 mm



**G-19570**

**MICRO STITCH SCISSORS**  
straight, 8 mm blades  
sharp tips  
overall length 105 mm



**G-19580**

*FINE*  
**STITCH SCISSORS**  
straight, 14 mm blades  
sharp tips  
overall length 110 mm



**G-19590** *CASTROVIEJO*  
**ANTERIOR SYNECHIA SCISSORS**  
angled up  
9 mm vaulted blades, blunt tips  
overall length 105 mm



**G-19740** *CASTROVIEJO*  
**ANTERIOR SYNECHIA SCISSORS**  
angled up  
15 mm vaulted blades, blunt tips  
overall length 115 mm



**TRABECULUM SCISSORS**  
sharp tips  
8.5 mm blades  
1.5 mm pivot width  
overall length 80 mm  
**G-19745** straight  
**G-19747** curved



**CAPSULOTOMY SCISSORS**  
angled up, sharp tips  
2 mm pivot width  
overall length 80 mm  
**G-19776** 9 mm blades  
**G-19777** 11 mm blades



**G-32100** **CAPSULOTOMY SCISSORS**  
angled, lightly curved tips  
13 mm blades  
2 mm pivot width  
overall length 80 mm



**G-32101** **CAPSULOTOMY SCISSORS**  
angled, strongly curved tips  
13 mm blades  
2 mm pivot width  
overall length 80 mm



**G-32105** **CAPSULOTOMY SCISSORS**  
lightly curved, sharp tips  
11 mm blades  
1.8 mm pivot width  
overall length 88 mm



**G-32023 CAPSULOTOMY SCISSORS**

curved, sharp tips  
7 mm blades  
1.8 mm pivot width  
overall length 80 mm



**G-19620 TUEBINGEN MODEL CAPSULOTOMY SCISSORS**

straight, sharp tips  
9 mm blades  
1.8 mm pivot width  
overall length 88 mm



**G-19630 TUEBINGEN MODEL CAPSULOTOMY SCISSORS**

curved, sharp tips  
9 mm blades  
1.8 mm pivot width  
overall length 88 mm



**G-19760 VANNAS CAPSULOTOMY SCISSORS**

extra delicate, straight  
6 mm blades, sharp tips  
1.7 mm pivot width  
overall length 80 mm



**G-19765 VANNAS CAPSULOTOMY SCISSORS**

extra delicate, curved  
6 mm blades, sharp tips  
1.7 mm pivot width  
overall length 80 mm



**G-19770 VANNAS CAPSULOTOMY SCISSORS**

extra delicate, angled to side  
7 mm blades, sharp tips  
overall length 80 mm





**G-19775**
*VANNAS*
**CAPSULOTOMY SCISSORS**

 extra delicate, angled up  
 7 mm blades, sharp tips  
 overall length 80 mm

**G-32940**
*H.-R. KOCH*
**CAPSULE SCISSORS**

 horizontal, 45° angled  
 2.5 mm blades, 360° rotatable head  
 22 gauge / 0.7 mm straight shaft  
 overall length 107 mm

**G-32942**
*BRAUWEILER*
**CAPSULE SCISSORS**

 vertical, 1.25 mm blades  
 22 gauge / 0.7 mm curved shaft  
 overall length 100 mm

**G-38246**
*YAE*
**CAPSULE SCISSORS**

 interchangeable, titanium, gold-colored  
 3 mm straight micro blades  
 23 gauge / 0.6 mm curved shaft  
 for cutting synechia, iridotomies,  
 and to rescue the rhexis during MICS  
 overall length 42 mm  
 for use with handle G-38240

**G-38240**
*JAPAN MODEL*
**HANDLE**

 for capsule scissors and forceps  
 6 mm, titanium  
 overall length 90 mm


CAPSULOTOMY • ROTATABLE • INTERCHANGEABLE

09



*OSHER*  
**CAPSULE SCISSORS**  
 360° rotatable and  
 interchangeable tips  
 22 gauge / 0.7 mm  
 overall length 45 mm  
 to use with handpiece  
 G-38215



*OSHER*  
**CAPSULE SCISSORS**  
 horizontal, 45° angled  
**G-38236**



*OSHER*  
**CAPSULE SCISSORS**  
 horizontal, 90° angled  
**G-38238**

*OSHER*  
**HANDPIECE FOR CAPSULE SCISSORS**  
 8 mm titanium handpiece, gold-colored  
**G-38215**



09

CAPSULE (INTERCHANGEABLE AND ROTATABLE) · IRIS

**G-32948**

*HATTENBACH*  
**HYBRID SCISSORS**  
 to cut sutures during iris and  
 dislocated IOL fixation  
 1.25 mm blades  
 25 gauge / 0.5 mm angled shaft



**G-19540**

**G-19545**

**G-19550**

*NOYES*  
**IRIS SCISSORS**  
 straight  
 18 mm blades  
 overall length 120 mm  
 sharp tips  
 sharp-blunt  
 blunt tips



**G-19640**

**G-19655**

*WECKER*  
**IRIS SCISSORS**  
 11 mm blades  
 overall length 110 mm  
 sharp tips  
 blunt tips



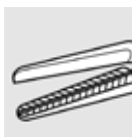
- G-19660** *WECKER*  
**G-19675** **IRIS SCISSORS**  
7 mm blades  
overall length 110 mm  
sharp tips  
blunt tips



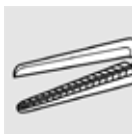
- G-19680** *BARRAQUER*  
**IRIS SCISSORS**  
7 mm blades  
blunt tips  
overall length 56 mm

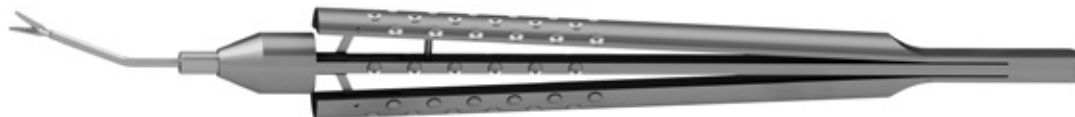


- G-32945** *STEINMETZ*  
**IOL SCISSORS**  
6.5 mm upper blade  
serrated lower tip with groove  
overall length 92 mm  
For cutting acrylic and silicone foldable IOLs



- G-32946** *STEINMETZ*  
**IOL SCISSORS**  
for small incision technique  
6.5 mm upper blade  
serrated lower tip with groove  
overall length 92 mm  
For cutting acrylic and silicone foldable IOLs





## SNYDER-OSHER

### IOL SCISSORS

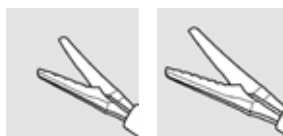
For cutting acrylic and silicone foldable IOLs  
lower notched blade to create IOL traction

18 gauge / 1.2 mm shaft

overall length 150 mm

short model, 3.5 mm blades

long model, 4.5 mm blades



1.

G-32998

G-32996



G-32800

H.-R. KOCH

### SILICONE LENS BI-SECTOR

for dividing implanted silicone lenses

overall length without wire loop 130 mm

5 wire loops included (G-32811)

### WIRE LOOP

for H.-R. KOCH silicone lens bi-sector

(G-32800)

overall length 65 mm (loop 12 mm)

G-32810

1 piece

G-32811

5 pieces



### COMBINED

### NEEDLE HOLDER / SCISSORS

curved 12 mm blades with

3 mm needle holder and tying platform

used to hold, place, and cut fine suture material

overall length 125 mm

without lock

G-17440

with lock

G-17441



**G-19750** *WESTCOTT*  
**SCISSORS**  
blunt tips  
curved, standard blades  
overall length 120 mm



**G-19751** *WESTCOTT*  
**SCISSORS**  
pointed tips  
curved, standard blades  
overall length 120 mm



**G-32250** *WESTCOTT*  
**SCISSORS**  
blunt tips  
curved, delicate blades  
overall length 100 mm



**G-19470** *STEVENS*  
**TENOTOMY SCISSORS**  
short blades, blunt tips  
22 mm from tip to pivot  
overall length 105 mm  
**G-19475** straight  
curved



**G-19480** *STEVENS*  
**TENOTOMY SCISSORS**  
long blades, blunt tips  
28 mm from tip to pivot  
overall length 110 mm  
**G-19485** straight  
curved



**G-32614**

*BONN MODEL*

**TENOTOMY SCISSORS**

curved blades, blunt tips  
24 mm from tip to pivot  
overall length 90 mm



**G-19430**

*BONN MODEL*

**STRABISMUS SCISSORS**

blunt tips  
24 mm from tip to pivot  
overall length 90 mm

**G-19435**

straight  
curved



**STRABISMUS SCISSORS**

long blade  
28 mm from tip to pivot  
overall length 105 mm

**G-19420**

straight

**G-19425**

curved

**STRABISMUS SCISSORS**

short blade  
28 mm from tip to pivot  
overall length 110 mm  
straight  
curved

**G-19460****G-19465****EYE SCISSORS**

straight, sharp tips  
overall length: tip to pivot:

<b>G-19350</b>	90 mm	27 mm
<b>G-19355</b>	100 mm	29 mm
<b>G-19360</b>	115 mm	30 mm
<b>G-19365</b>	120 mm	36 mm

**G-19350****G-19355****G-19360****G-19365****EYE SCISSORS**

curved, sharp tips  
overall length: tip to pivot:

<b>G-19370</b>	90 mm	27 mm
<b>G-19375</b>	100 mm	28 mm
<b>G-19380</b>	110 mm	29 mm
<b>G-19385</b>	120 mm	34 mm

**G-19370****G-19375****G-19380****G-19385**

G-19390

G-19395

## EYE SCISSORS

delicate, sharp tips  
31 mm from tip to pivot  
overall length 105 mm  
straight  
curved



G-19400

G-19405

## BONN MODEL

### EYE SCISSORS

extra delicate  
sharp tips  
19 mm from tip to pivot  
overall length 90 mm  
curved  
straight



G-19410

## SPENCER

### STITCH SCISSORS

20 mm straight blades  
with hook to lift and  
secure sutures before cutting  
overall length 90 mm





**G-19450***GRAEFFE***EYE SCISSORS**

angled up  
blunt tips  
overall length 90 mm

**G-19505****EYE SCISSORS**

angled to side, probe tip  
sharp-blunt  
overall length 115 mm

**G-19510****EYE SCISSORS**

angled to side, probe tips  
blunt tips  
overall length 115 mm

**09**

UTILITY · PROBE TIPS · RING HANDLE

**G-31315**

## OPERATING SCISSORS

straight blades

sharp-blunt

overall length 145 mm



## ENUCLEATION SCISSORS

curved blades, blunt

40 mm from tip to pivot

overall length 135 mm

**G-19520**

strong curve

**G-19525**

medium curve

**G-19530**

light curve



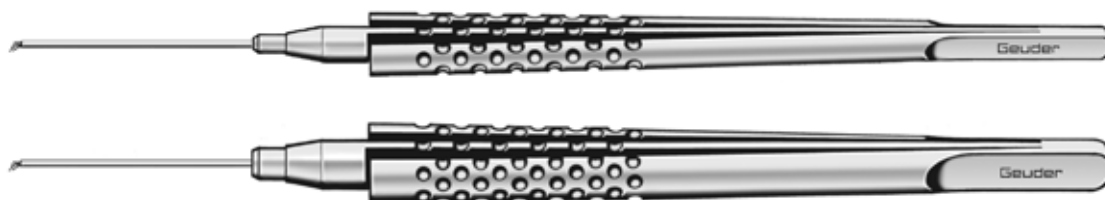
09

UTILITY · ENUCLEATION · RING HANDLE

## 20 GAUGE

## VITREORETINAL SCISSORS

20 gauge / 0.9 mm  
titanium handle  
gold-colored  
overall length 155 mm



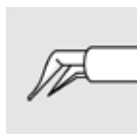
45° angle  
horizontal  
**G-36502** 6 mm handle  
**G-36504** 8 mm handle



curved  
with membrane peeler  
**G-36506** 6 mm handle



curved  
**G-36512** 6 mm handle  
**G-36514** 8 mm handle



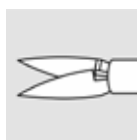
*KROLL*  
angled, with membrane peeler  
**G-36516** 6 mm handle  
**G-36518** 8 mm handle



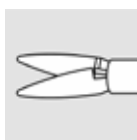
*HEIMANN*  
angled  
**G-36526** 6 mm handle  
**G-36528** 8 mm handle



60° angled  
**G-36546** 6 mm handle



*HEIMANN*  
straight  
**G-36532** 6 mm handle  
**G-36534** 8 mm handle



*HEIMANN*  
straight, blunt tips  
**G-36536** 6 mm handle  
**G-36538** 8 mm handle



curved  
horizontal  
**G-36552** 6 mm handle  
**G-36554** 8 mm handle



*NAITO*  
long blade 3.5 mm  
curved, tapered tip  
**G-36556** 6 mm handle  
**G-36558** 8 mm handle

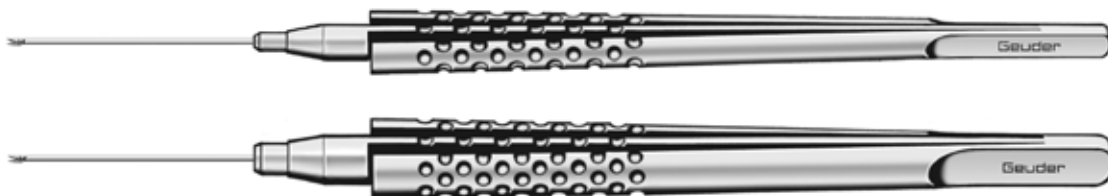


*ROIDER*  
for RPE transplantation, vitrectomies  
and retinectomies  
**G-36572** 6 mm handle  
**G-36574** 8 mm handle

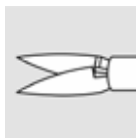
## 23 GAUGE

### VITREORETINAL SCISSORS

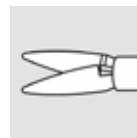
23 gauge / 0.6 mm  
titanium handle  
gold-colored  
overall length 155 mm



curved  
**G-36566** 6 mm handle  
**G-36568** 8 mm handle



HEIMANN  
straight  
**G-36576** 6 mm handle  
**G-36578** 8 mm handle



HEIMANN  
straight, blunt tips  
**G-36582** 6 mm handle



HEIMANN  
for use with 23 gauge trocar system  
angled, sharp tips  
**G-36540** 6 mm handle  
**G-36541** 8 mm handle

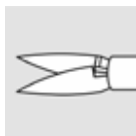
## 25 GAUGE

### VITREORETINAL SCISSORS

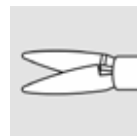
25 gauge / 0.5 mm  
titanium handle  
gold-colored



curved  
**G-36562** 6 mm handle  
**G-36564** 8 mm handle



HEIMANN  
straight  
**G-36586** 6 mm handle  
**G-36588** 8 mm handle



HEIMANN  
straight, blunt tips  
**G-36592** 6 mm handle

**ERGOLINE**
**ERGOLINE SCISSORS**

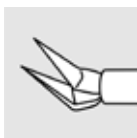
360° rotatable and interchangeable tips  
 for Ergoline handles 6 and 8 mm diameter  
 overall length 55 mm

**ERGOLINE HANDPIECE**

for Ergoline scissors  
 gold-colored  
 overall length 105 mm

**G-36900** 6 mm titanium handpiece

**G-36901** 8 mm titanium handpiece


**ERGOLINE SCISSORS**

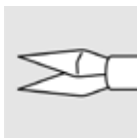
45° angled  
 horizontal  
 20 gauge / 0.9 mm  
**G-36902**


**KROLL**

**ERGOLINE SCISSORS**  
 angled, with membrane peeler  
 20 gauge / 0.9 mm  
**G-36915**


**HEIMANN**

**ERGOLINE SCISSORS**  
 angled  
 20 gauge / 0.9 mm  
**G-36925**


**HEIMANN**

**ERGOLINE SCISSORS**  
 straight  
**G-36930** 20 gauge / 0.9 mm


**NAITO**

**ERGOLINE SCISSORS**  
 long blade 3.5 mm, curved  
 tip tapered to 0.75 mm  
 20 gauge / 0.9 mm  
**G-36955** 20 gauge / 0.9 mm



**CLEANING ADAPTER**  
 for rotatable and  
 interchangeable tips  
**G-36604**

SINGLE-USE  
 INTERCHANGEABLE SCISSORS  
 AVAILABLE ON P. 221

**UNO**  
 COLORLINE



## FORCEPS



CILIA · FOREIGN BODY .....	<b>101</b>
CONJUNCTIVA .....	<b>102</b>
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CORNEA · SUTURING · TYING .....	<b>105</b>
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- G-18720** *HENRY*  
**CILIA FORCEPS**  
straight jaws  
smooth, blunt, squared tips  
overall length 100 mm



- G-18730** *GRADLE*  
**CILIA FORCEPS**  
curved jaws  
smooth, blunt, squared tips  
overall length 98 mm



- G-18750** *BARRAQUER*  
**CILIA FORCEPS**  
lightly angled  
6.5 mm platform  
overall length 109 mm



- G-18740** *BEER*  
**CILIA FORCEPS**  
3 mm platform  
rounded tips 4.5 mm wide  
overall length 78 mm



- G-18850** *SHAAF*  
**CILIA AND FOREIGN BODY FORCEPS**  
grooved tips  
curved and pointed  
finger grip handle  
overall length 96 mm



- G-31620** *BARRAQUER*  
**CILIA AND SUTURE FORCEPS**  
grooved tips, 7.0 mm platform  
curved and pointed  
finger grip handle  
overall length 112 mm

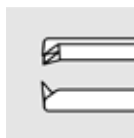


- G-32740** *HAMBURG MODEL*  
**CILIA AND FOREIGN BODY FORCEPS**  
tapered fine tips  
overall length 90 mm



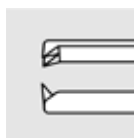
**G-31230**

*KREFELD MODEL*  
**CONJUNCTIVA FORCEPS**  
standard  
1 x 2 teeth  
overall length 100 mm



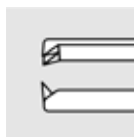
**G-31235**

*FREIBURG MODEL*  
**CONJUNCTIVA FORCEPS**  
delicate  
1 x 2 teeth  
overall length 90 mm



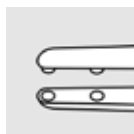
**G-18847**

*KAUFMANN*  
**CONJUNCTIVA FORCEPS**  
standard  
1 x 2 teeth  
5 mm tying platform  
overall length 75mm



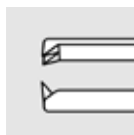
**G-18810**

*DRAEGER*  
**CONJUNCTIVA FORCEPS**  
1.2 mm wide  
2 atraumatic fixation knobs  
overall length 97 mm



**G-18848**

*FOERSTER*  
**CONJUNCTIVA FORCEPS**  
delicate  
1 x 2 teeth  
finger grip handle  
overall length 95 mm





*CASTROVIEJO*

**SUTURING FORCEPS**

1 x 2 teeth

6 mm tying platform

overall length 100 mm

0.28 mm, teeth 0.12 mm

**G-19001**

**G-19005**

**G-19010**

**G-19015**

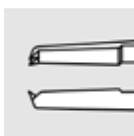
**G-19020**

0.3 mm

0.6 mm

0.9 mm

1.2 mm



*CASTROVIEJO*

**SUTURING FORCEPS**

new model

1 x 2 teeth

6 mm tying platform

overall length 109 mm

0.25 mm, teeth 0.12 mm

**G-19022**

**G-19023**

**G-19024**

**G-19025**

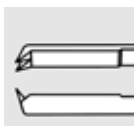
**G-19026**

0.3 mm

0.5 mm

0.9 mm

1.2 mm



**G-19008**

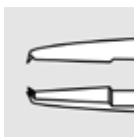
*MUNICH MODEL*

**SUTURING FORCEPS**

1 x 2 teeth, 0.35 mm

5.5 mm tapered tying platform

overall length 100 mm



## ZUERICH MODEL SUTURING FORCEPS

delicate  
1 x 2 teeth, 0.12 mm  
5 mm tying platform  
overall length 75 mm  
straight  
angled

**G-18965**  
**G-18966**



**G-18950** **COLIBRI FORCEPS**  
1 x 2 teeth, 0.12 mm  
5 mm tying platform  
overall length 75 mm



**G-18960** **MICRO COLIBRI FORCEPS**  
delicate  
1 x 2 teeth, 0.12 mm  
5 mm tying platform  
overall length 77 mm



**G-15134** **MICRO COLIBRI FORCEPS**  
extra delicate  
1 x 2 teeth, 0.12 mm  
4 mm tying platform  
overall length 76 mm



**G-18975** **BARRAQUER  
SUTURE REMOVING FORCEPS**  
very fine pointed tips  
4 mm tying platform  
overall length 77 mm



**G-18972** **THOMAS NEUHANN  
KERATOPLASTY FORCEPS**  
for corneal suturing and fixation  
two prongs with 1 x 2 teeth  
0.8 mm prong spread  
overall length 80mm



**G-18970**

*REMKY*

**KERATOPLASTY FORCEPS**

two prongs with 1 x 1 teeth, angled  
1.7 mm prong spread  
for corneal suturing and fixation  
overall length 80 mm

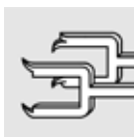


**G-38623**

*REMKY*

**DMEK KERATOPLASTY FORCEPS**

modified by *SZURMAN*  
two prongs with 1 x 1 teeth, straight  
1.7 mm prong spread  
33 mm shafts  
to hold graft during preparation  
overall length 89 mm



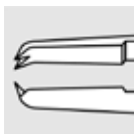
**G-18940**

**G-18945**

*PAUFIQUE*

**UNIVERSAL SUTURING FORCEPS**

1 x 2 teeth  
6 mm tying platform  
overall length 88 mm  
standard  
delicate



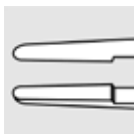
**G-19045**

**G-19046**

*PAUFIQUE*

**TYING FORCEPS**

with platform  
overall length 88 mm  
standard, 6 mm platform  
delicate, 5 mm platform



10

CORNEAL FIXATION · PAUFIQUE SUTURING/TYING

**G-19030**

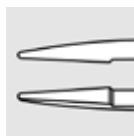
*TUEBINGEN MODEL*

**TYING FORCEPS**

straight, smooth jaws

6 mm tying platform

overall length 101 mm



**G-19040**

*TUEBINGEN MODEL*

**TYING FORCEPS**

curved, smooth jaws

6 mm tying platform

overall length 99 mm



**G-19035**

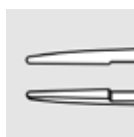
*TUEBINGEN MODEL*

**TYING FORCEPS**

delicate, smooth jaws

4 mm tying platform

overall length 84mm



**7. G-19034**

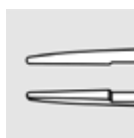
*BONN MODEL*

**TYING FORCEPS**

extra delicate, smooth jaws

3 mm tying platform

overall length 73 mm



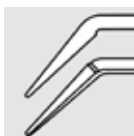
Instrumento rankena  
plokščia

14.

**G-19032**

**TYING FORCEPS**

angled, 7.5 mm  
6 mm tying platform  
overall length 99 mm

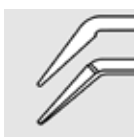


**G-31625**

*DARDENNE*

**TYING FORCEPS**

angled, 6.5 mm  
6 mm tying platform  
round handle with guide pin  
overall length 102 mm



**G-19038**

*BANGERTER*

**TYING FORCEPS**

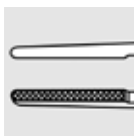
9.5 mm platform  
longitudinal v-shape groove  
overall length 100 mm



**G-19048**

**TYING FORCEPS**

utility serrated jaws  
1 mm wide  
overall length 106 mm



10

TYING

**G-32947**

*HATTENBACH*

**HYBRID TYING FORCEPS**

angled, for the anterior chamber  
intraocular 1.5 mm micro tying tips  
25 gauge / 0.5 mm  
overall length 98 mm

for use in combination with  
hybrid needle holder G-32949



**G-31623**

*KELMAN-MCPHERSON*

**FRAGMENT FORCEPS**

angled, smooth jaws  
7.5 mm platform  
overall length 100 mm



**G-33941**

*KELMAN-MCPHERSON*

**FRAGMENT FORCEPS**

angled, fine grooved jaws,  
for femto-LASIK to retrieve lenticule  
during SMILE procedures  
7.5 mm platform  
overall length 100 mm



**G-31622**

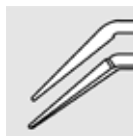
*GASKIN*

**FRAGMENT FORCEPS**

angled  
with tying platform  
9 mm platform, overall length 107 mm

**G-31624**

11 mm platform, overall length 100 mm





**G-37700**

**JEWELERS TYPE FORCEPS**

standard, straight  
overall length 120 mm



**G-37705**

**JEWELERS TYPE FORCEPS**

delicate, straight  
overall length 115 mm



**G-37710**

**JEWELERS TYPE FORCEPS**

extra delicate, straight  
overall length 115 mm



**G-19080**

**BARRAQUER**

**FIXATION FORCEPS**

3 sets of 1 x 2 teeth  
11 mm fixation platform  
overall length 100 mm



**GRAEFE**

**FIXATION FORCEPS**

4.5 mm wide  
8 interlocking teeth  
overall length 110 mm  
without lock  
with lock



Instrumento rankena  
plokščia

**G-19050**

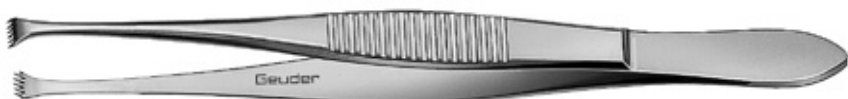
**G-19055**

**G-19060**

**HEIDELBERG MODEL**

**FIXATION FORCEPS**

3.5 mm wide  
6 interlocking teeth  
overall length 110 mm



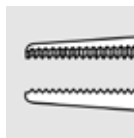
10

JEWELERS • FIXATION

## DRESSING FORCEPS

serrated jaws  
overall length 100 mm

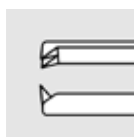
<b>G-18780</b>	0.5 mm
<b>G-18781</b>	0.7 mm
<b>G-18782</b>	1.0 mm
<b>G-18783</b>	1.2 mm
<b>G-18784</b>	1.4 mm



## TISSUE FORCEPS

1 x 2 teeth  
overall length 100 mm

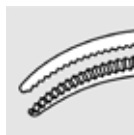
<b>G-18790</b>	0.5 mm
<b>G-18791</b>	0.7 mm
<b>G-18792</b>	1.0 mm
<b>G-18793</b>	1.2 mm
<b>G-18794</b>	1.4 mm



## IRIS FORCEPS

serrated, delicate  
overall length 73 mm  
straight  
curved

<b>G-18855</b>	straight
<b>G-18856</b>	curved

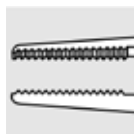


## BONN MODEL

### IRIS FORCEPS

serrated, extra delicate  
overall length 73 mm  
straight  
angled at 6 mm  
angled at 8 mm

<b>G-18908</b>	straight
<b>G-18906</b>	angled at 6 mm
<b>G-18911</b>	angled at 8 mm

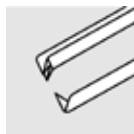


## BONN MODEL

### IRIS FORCEPS

1 x 2 teeth, 0.12 mm  
extra delicate  
overall length 73mm

<b>G-18900</b>	straight
<b>G-18905</b>	angled at 6 mm
<b>G-18910</b>	angled at 8 mm



Pinceto rankena plokščia

*BONN MODEL*

**IRIS FORCEPS**

long, straight

1 x 2 teeth, 0.12 mm

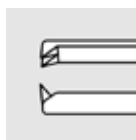
overall length 102 mm

extra delicate

delicate, with 4.5 mm tying platform

**G-18845**

**G-18890**



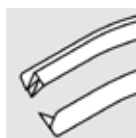
*SWISS MODEL*

**IRIS FORCEPS**

curved, 1 x 2 teeth

overall length 100 mm

**G-18840**



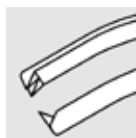
*HEIDELBERG MODEL*

**IRIS FORCEPS**

light curve, 1 x 2 teeth

overall length 72 mm

**G-18860**



*HEIDELBERG MODEL*

**IRIS FORCEPS**

strong curve, 1 x 2 teeth

overall length 70 mm

**G-18870**



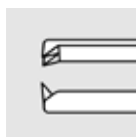
**IRIS FORCEPS**

straight, delicate

1 x 2 teeth

overall length 72 mm

**G-18857**



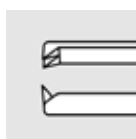
**IRIS FORCEPS**

straight, strong

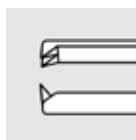
1 x 2 teeth

overall length 72 mm

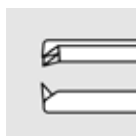
**G-31953**



**G-18846** *HAMBURG MODEL*  
**IRIS FORCEPS**  
straight, delicate  
1 x 2 teeth  
overall length 103 mm

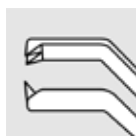


9. **G-32240** *SWISS MODEL*  
**IRIS FORCEPS**  
straight, extra delicate  
1 x 2 teeth  
overall length 70 mm



Pinceto rankena plokščia

**G-18880** *HESS-ENGELKING*  
**IRIS FORCEPS**  
1 x 2 teeth  
overall length 72 mm



10

IRIS FIXATION

**G-18897** *ELZE*  
**IRIS FORCEPS**  
extra delicate  
1 x 2 teeth  
overall length 78 mm



**G-18913** *THOMAS NEUHANN*  
**IRIS FORCEPS**  
curved shaft  
1 x 2 teeth  
23 gauge / 0.6 mm  
overall length 95 mm

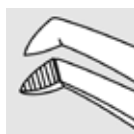


**G-31307**

*UTRATA*

**CAPSULORHEXIS FORCEPS**

strong, with heel stop to protect the iris  
interlocking micro serrated tips  
12 mm straight shafts  
overall length 103 mm



**G-31308**

**CAPSULORHEXIS FORCEPS**

round handle with guide pin  
extra delicate with  
interlocking micro serrated tips  
13 mm curved shafts  
overall length 105 mm



**G-31300**

*MASKET*

**CAPSULORHEXIS FORCEPS**

delicate, with heel stop to protect the iris  
interlocking micro serrated tips  
12 mm curved shafts  
overall length 103 mm



**G-31304**

**CAPSULORHEXIS FORCEPS**

new model, with guide pin  
extra delicate with  
interlocking micro serrated tips  
13 mm curved shafts  
overall length 103 mm



10

CAPSULORHEXIS

**G-31301**

**CAPSULORHEXIS FORCEPS**

extra delicate  
with smooth triangular grasping tips  
13 mm curved shafts  
overall length 98 mm



**G-31305**

**CAPSULORHEXIS FORCEPS**

extra delicate with  
interlocking micro serrated tips  
13 mm curved shafts  
overall length 98 mm



10

CAPSULORHEXIS

**G-31303**

*H.-R. KOCH*

**CAPSULORHEXIS FORCEPS**

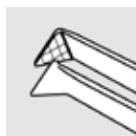
extra delicate with  
interlocking micro serrated tips  
13 mm curved shafts  
1 mm marks from tip to bent  
overall length 98 mm



**G-31299**

**CAPSULORHEXIS FORCEPS**

short handle, extra delicate  
cross serrated grasping tips  
12 mm straight shafts  
overall length 83 mm



**G-32926**

*AUFFARTH*

**MICS DOUBLE CROSS ACTION  
CAPSULORHEXIS FORCEPS**

interlocking micro serrated tips  
12 mm curved shafts, angled 130°  
with overlap system  
prevents inadvertent iris capture  
for 1.6 mm incisions  
overall length 100 mm



**G-32928**

*INAMURA*

**MICS CAPSULORHEXIS FORCEPS**

cross action  
interlocking micro serrated tips  
10.5 mm curved shafts tip to pivot  
angled 130°  
overall length 103 mm

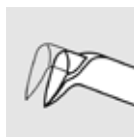


**G-31306**

*KAMPIK*

**MICS CAPSULORHEXIS FORCEPS**

22 gauge / 0.7 mm curved shaft  
90° cystotome tips, reverse action  
overall length 93 mm



**G-32935**

*H.-R. KOCH*

**MICS CAPSULE FORCEPS**

short handle  
22 gauge / 0.7 mm curved shaft with  
micro grasping tips  
overall length 98 mm



G-19150

*ARRUGA*  
**CAPSULE FORCEPS**  
calibrated, delicate



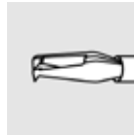
G-32938

*H.-R. KOCH*  
**MICS CAPSULE FORCEPS**  
22 gauge / 0.7 mm curved shaft with  
micro grasping tips  
6 mm titanium handle, blue-colored  
overall length 144 mm



G-32936

*TOBIAS NEUHANN*  
**MICRO FORCEPS**  
multifunction asymmetrical tips with  
grasping platform  
23 gauge / 0.6 mm straight shaft  
6 mm titanium handle, blue-colored  
overall length 155 mm



G-32937

*IKEDA*  
**MICS CAPSULORHEXIS FORCEPS**  
23 gauge / 0.6 mm curved shaft with  
micro grasping tips  
6 mm titanium handle, blue-colored  
overall length 144 mm



G-38244

G-38242

*IKEDA*  
**CAPSULORHEXIS FORCEPS**  
interchangeable tips  
23 gauge / 0.6 mm curved shaft  
overall length 40 mm  
textured, micrograsping tips **"BEAK"**  
textured, micrograsping tips



G-38244  
"beak"



G-38242



for use with handle G-38240



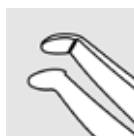
- G-38240** *JAPAN MODEL*  
**HANDLE**  
for capsule scissors and forceps  
interchangeable tips  
6 mm, titanium  
overall length 90 mm



- G-32944** *HATTENBACH*  
**CAPSULORHEXIS FORCEPS**  
25 gauge / 0.5 mm angled shaft with  
micro grasping tips  
overall length 88 mm



- G-18805** *TOBIAS NEUHANN*  
**DESCMET MEMBRANE FORCEPS**  
delicate blunt grasping tips  
with platform  
overall length 75 mm



- G-38624** *SZURMAN*  
**DMEK PREPARATION FORCEPS**  
for removal of Descemet layer  
with smooth round tips to prevent tearing  
the donor endothelium  
overall length 75 mm



- G-38628** *YÖRÜK*  
**DMEK TRANSPLANT FORCEPS**  
atraumatic grasping and removal of  
Descemet's membrane  
grasping area 6 mm  
overall length 77 mm





**G-38634**

*GERTEN*

**DSAEK/DMEK RHEXIS FORCEPS**

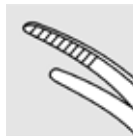
for Descemetorhexis  
reversed triangular tips to  
score and remove the DM from the host cornea  
23 gauge / 0.6 mm curved shaft  
overall length 142 mm



**G-38603**

**DSAEK IMPLANTATION FORCEPS**

13 mm curved shafts with limited closing  
to avoid injury of endothelial transplant  
1.5 mm serrated platform  
overall length 107 mm



10

DSAEK · LASIK FLAP

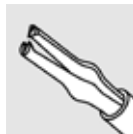


**G-38606**

*THOMAS NEUHANN*

**DSAEK FORCEPS**

1 x 2 teeth, 0.12 mm  
21 gauge / 0.8 mm curved shaft  
for endothelial transplant procedures  
overall length 97 mm



**G-33428**

*PFAEFFEL*

**FLAPORHEXIS FORCEPS**

2.5 mm x 1.5 mm cross serrated tips, oval  
to lift femto-LASIK flaps  
overall length 103 mm



**G-33429**

*KNORZ*

**FEMTO-LASIK FLAP FORCEPS**

curved 3.25 mm T-bar

textured

to grasp and lift LASIK flaps

overall length 102 mm



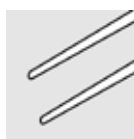
**G-31899**

**LASIK CORNEAL FLAP FORCEPS**

angled shafts, 9 mm

highly polished round and smooth shafts

overall length 108 mm



**G-18914**

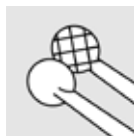
*BURATTO*

**LASIK CORNEAL FLAP FORCEPS**

curved shafts

cross serrated tips, 0.8 mm diameter

overall length 100 mm



**G-33960**

*RUPAL SHAH*

**LENTICULE FORCEPS**

3.5 mm serrated tips

20 gauge / 0.9 mm curved shaft

to retrieve lenticule during SMILE procedures

6 mm titanium handle, blue-colored

overall length 144 mm



10

LASIK FLAP · LENTICULE EXTRACTION

**G-33961**

## LENTICULE FORCEPS

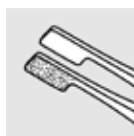
7.5 mm shafts  
with fine grooves  
angled to side  
to retrieve lenticule during SMILE procedures  
overall length 99 mm



**G-31518**

## NUCLEUS SPREADING FORCEPS

cross-action  
3.0 mm textured paddle tips  
for cracking the nucleus  
overall length 112 mm



**G-31519**

*AKAHOSHI*

## NUCLEUS SPREADING FORCEPS

phaco prechopper  
4.5 mm delicate sharp tips, 1 mm profile  
2.0 mm cross-action  
for cracking, dividing, and rotating the nucleus  
overall length 105 mm

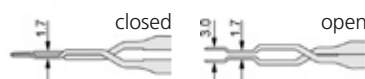


**G-31720**

*AKAHOSHI*

## PRECHOPPER

for micro-incisions, straight shafts, cross action  
round handle  
overall length 125 mm





**G-31722**

*AKAHOSHI*

**HYBRID COMBO PRECHOPPER**

for micro-incisions, cross action, straight  
round handle  
length of tip 5.3 mm  
overall length 120 mm



**G-31724**

*AKAHOSHI*

**UNIVERSAL PRECHOPPER**

for micro-incisions, cross action, straight  
round handle  
overall length 120 mm



**G-33440**

*VON BARSEWISCH*

**ANTERIOR CHAMBER FORCEPS**

extra delicate  
8.5 mm angled shafts  
1.5 mm platform  
overall length 72 mm

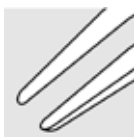


**G-32165**

*FECHNER*

**IMPLANTATION FORCEPS**

smooth curved shafts  
overall length 80 mm



10

NUCLEUS PRECHOPPERS · IOL IMPLANTATION

G-18935

*DODEN*

## IMPLANTATION FORCEPS

curved  
delicate lens holding shafts  
overall length 110 mm



G-18930

*SHEPARD*

## IMPLANTATION FORCEPS

curved, 1.4 mm disc-shaped tips  
delicate lens holding shafts  
overall length 120 mm

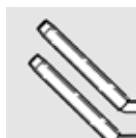


G-31962

*KOHEN*

## IMPLANTATION FORCEPS

silicone tube coated  
10 mm angled shafts  
overall length 107 mm



G-18918

*DICK*

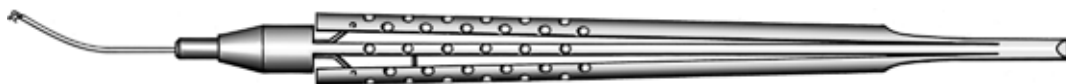
## FIXATION AND HOLDING FORCEPS

for Artisan/Verisyse IOL  
with guide mark for lens maximum hold  
and stability  
18 gauge / 1.2 mm curved shaft  
overall length 143



**G-18919**

*DICK*  
**IOL HAPTIC EXPANDER**  
for enclavation of iris-fixated IOLs  
21 gauge / 0.8 mm curved shaft  
overall length 140 mm



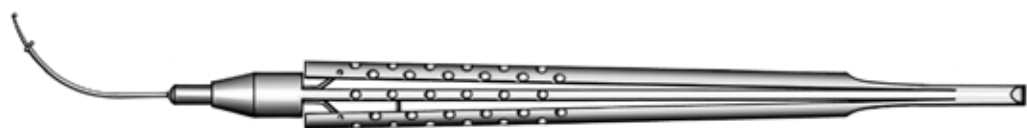
**G-18944**

*TOBIAS NEUHANN*  
**IMPLANTATION FORCEPS**  
for retropupillary implantation of Iris-Claw-IOL  
0.9 mm wide holding surface  
20 gauge / 0.9 mm curved shaft  
overall length 143 mm



**G-18928**

*SEKUNDO*  
**IMPLANTATION FORCEPS**  
for retropupillary implantation of Iris-Claw-IOL  
20 gauge / 0.9 mm curved shaft with  
lens holding plate, three-point fixation  
and IOL centration guide mark  
6 mm titanium handle, blue-colored  
overall length 143 mm



**G-31902**

**FOLDER**  
foldable IOL insertion forceps  
cross action  
6.5 mm concave jaws  
overall length 103 mm



10

IOL IMPLANTATION · IRIS CLAW · IOL FOLDERS

G-31903

*SPALECK*

**FOLDER**

foldable IOL insertion forceps  
for silicone and acrylic IOLs  
angled shafts, concave jaws  
overall length 102 mm



G-31908

**FOLDER**

IOL folding forceps  
for easy pickup and folding acrylic IOLs  
overall length 105 mm



G-31994

*H.-R. KOCH*

**PREFOLDER**

for foldable silicone, hydrogel or acrylic IOLs  
overall length 135 mm



G-31905

*H.-R. KOCH*

**FOLDER**

for foldable 3-piece IOLs  
6.0 mm concave jaws  
overall length 92 mm

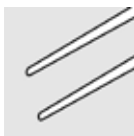




**G-31901**

**HOLDING FORCEPS**

for foldable IOLs  
highly polished round and smooth shafts  
overall length 108 mm



**G-18941**

*STROBEL*

**HOLDING FORCEPS**

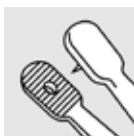
for Pharmacia CeeOn Edge IOL  
overall length 110 mm



**G-32823**

**EXPLANTATION FORCEPS**

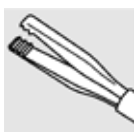
for soft IOLs  
2.0 mm x 1.4 mm paddle tip with  
interlocking serrations and guide pin  
overall length 108 mm



1. **G-32997**

*SNYDER-OSHER*  
**IOL FORCEPS**

to hold the IOL while cutting it inside  
the capsular bag  
2 mm long jaws with 0.5 mm serrated tips  
22 gauge / 0.7 mm lightly curved shaft  
overall length 99 mm



**G-18820**

*REMKY*  
**SUPERIOR RECTUS FORCEPS**  
angled  
1 x 2 teeth  
overall length 109 mm



**G-18800**

*ELSCHNIG*  
**SUPERIOR RECTUS FORCEPS**  
standard, straight  
1 x 2 teeth  
overall length 110 mm



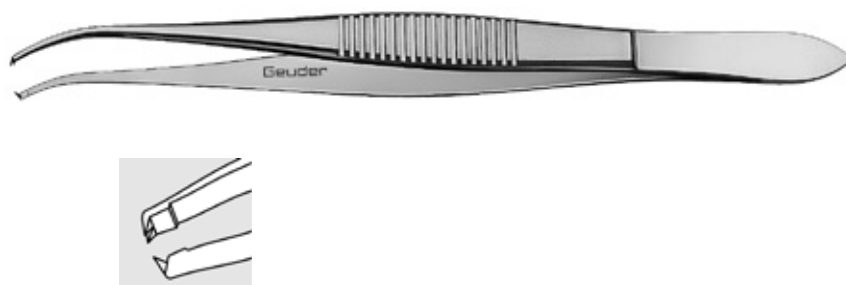
**G-18795**

*ELSCHNIG*  
**SUPERIOR RECTUS FORCEPS**  
delicate, straight  
1 x 2 teeth  
overall length 100 mm



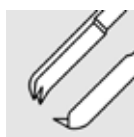
**G-19105**

*LEYDHECKER*  
**SUPERIOR RECTUS FORCEPS**  
curved, tip width 0.8 mm  
1 x 2 teeth, 1.1 mm  
overall length 110 mm



**G-32335**

*CASTROVIEJO*  
**SUPERIOR RECTUS FORCEPS**  
angled with tying platform  
1 x 2 teeth, 0.9 mm  
overall length 100 mm



**G-19112**

*BANGERTER*  
**MUSCLE FORCEPS**  
10 teeth  
self retaining  
overall length 100 mm



**G-19120**

*SATTLER*  
**MUSCLE FORCEPS**  
with slide lock  
overall length 100 mm

**G-19125**

3 teeth, bulbous tip, right  
3 teeth, bulbous tip, left



**G-32350**

*TROELTSCH*  
**NASAL FORCEPS**  
serrated tips  
for packing and dressing during ENT procedures  
overall length 150 mm



**G-19107**

*ESSEN MODEL*  
**CERCLAGE FORCEPS**  
strongly curved  
3 mm platform with dual grooves  
overall length 104 mm



10

MUSCLE · NASAL · RETINAL

**G-33434**

*PFENNIGWERTH*

**HOLDING FORCEPS**

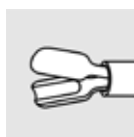
for vitreoretinal lenses  
curved with concave lens holding tips  
overall length 110 mm



**G-33438**

**FORCEPS**

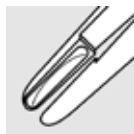
for *HEIMANN* retinal tacks  
overall length 100 mm



**G-33439**

**SCLERAL PLUG FORCEPS**

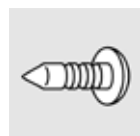
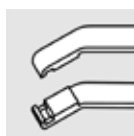
cross action handle, angled jaws  
to securely hold plugs during insertion  
and removal  
overall length 105 mm



**G-31570**

**SCLERAL PLUG FORCEPS**

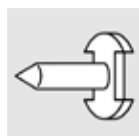
to securely hold plugs during insertion  
and removal  
overall length 100 mm



**G-33432**

**SCLERAL PLUG**

serrated,  
20 gauge / 0.9 mm



**G-33436**

**SCLERAL PLUG**

to suture onto sclera  
20 gauge / 0.9 mm



**G-33435**

**SCLERAL PLUG**

20 gauge / 0.9 mm



**G-33441**

**SCLERAL PLUG**

23 gauge / 0.6 mm

**G-33752**

*WATZKE*

**SPREADING FORCEPS**

to stretch silicone sleeves  
cross action handle and  
serrated tips  
overall length 115 mm



**G-33032**

*HOERAUF*

**SPREADING FORCEPS**

for silicone oil removal

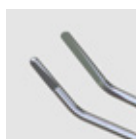


**G-37420**

*BARTZ-SCHMIDT*

**TROCAR CLOSURE FORCEPS**

with function for bulbus fixation  
overall length 72 mm



**G-37430**

**TROCAR FORCEPS**

for trocar systems with groove  
overall length 110 mm

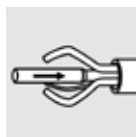


**G-33831**

*REIMANN*

**VITREORETINAL FORCEPS**

for foreign body removal  
with retractable magnet and 3-prongs  
14 gauge / 2.1 mm straight shaft  
shaft length 35 mm  
overall length 138 mm



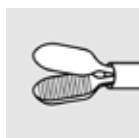
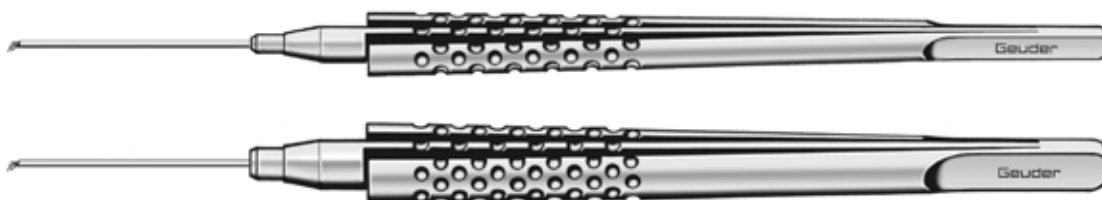
10

VITREORETINAL (SPREADING, TROCAR, FOREIGN BODY, MAGNET)

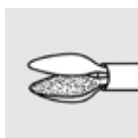
## 20 GAUGE

### VITREORETINAL FORCEPS

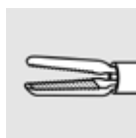
20 gauge / 0.9 mm  
6 mm and 8 mm diameter handles  
titanium, blue-colored  
overall length 155 mm



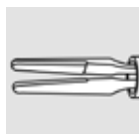
straight  
serrated tips  
**G-36202** 6 mm handle  
**G-36204** 8 mm handle



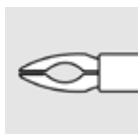
straight  
textured tips  
**G-36206** 6 mm handle  
**G-36208** 8 mm handle



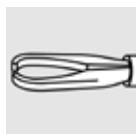
straight  
serrated "crocodile" tips  
**G-36256** 6 mm handle  
**G-36258** 8 mm handle



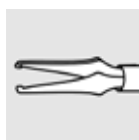
straight  
silicone coated  
**G-36212** 6 mm handle  
**G-36214** 8 mm handle



*TANO*  
straight, serrated tips  
**G-36356** 6 mm handle  
**G-36358** 8 mm handle



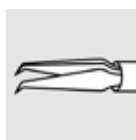
*A. MUELLER*  
for retinal vessels / sheathotomy  
**G-36334** 8 mm handle



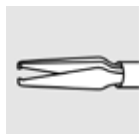
straight  
grip tips  
**G-36216** 6 mm handle  
**G-36218** 8 mm handle



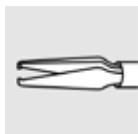
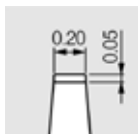
90° angle  
pointed tips  
**G-36278** 8 mm handle



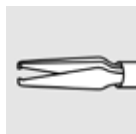
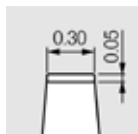
*NAITO*  
ILM  
**G-36316** 6 mm handle  
**G-36318** 8 mm handle



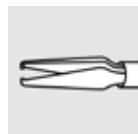
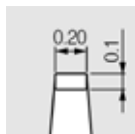
straight  
endgripping, extra delicate  
0.2 mm x 0.05 mm  
**G-36292** 6 mm handle  
**G-36294** 8 mm handle



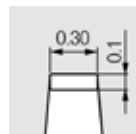
straight  
endgripping, extra delicate  
0.3 mm x 0.05 mm  
**G-36296** 6 mm handle  
**G-36298** 8 mm handle



straight  
endgripping, delicate  
0.2 mm x 0.1 mm  
**G-36302** 6 mm handle



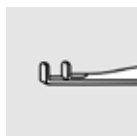
straight  
endgripping  
0.3 mm x 0.1 mm  
**G-36306** 6 mm handle



20 GAUGE

**VITREORETINAL FORCEPS**

20 gauge / 0.9 mm  
6 mm and 8 mm diameter handles  
titanium, blue-colored  
overall length 155 mm



90° angle  
membrane peeler

**G-36228** 8 mm handle



45° angle  
membrane peeler

**G-36232** 6 mm handle



45° angle

**G-36222** 6 mm handle



membrane peeler tips

**G-36252** 6 mm handle

**G-36254** 8 mm handle



curved  
membrane dissector

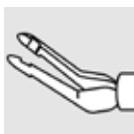
**G-36266** 6 mm handle



45° angle  
membrane dissector

**G-36272** 6 mm handle

**G-36274** 8 mm handle



45° angle  
horizontal subretinal

**G-36236** 6 mm handle

**G-36238** 8 mm handle



45° angle, vertical tips  
subretinal

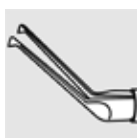
**G-36246** 6 mm handle

**G-36248** 8 mm handle



angled, extra delicate  
3.0 mm tips

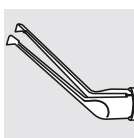
**G-36336** 6 mm handle



angled, extra delicate  
4.5 mm tips

**G-36326** 6 mm handle

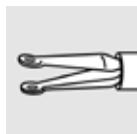
**G-36328** 8 mm handle



*KIRCHHOF*

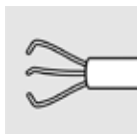
angled, extra delicate  
4.5 mm tips with hooks  
for RPE translocation

**G-36352** 6 mm handle



straight  
circular tips

**G-36242** 6 mm handle



foreign body forceps

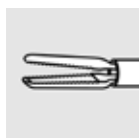
**G-36262** 6 mm handle

**G-36264** 8 mm handle

## 23 GAUGE

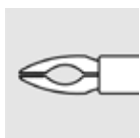
### VITREORETINAL FORCEPS

23 gauge / 0.6 mm  
6 mm and 8 mm diameter handles  
titanium, blue-colored  
overall length 155 mm



straight  
serrated "crocodile" tips

**G-36342** 6 mm handle  
**G-36344** 8 mm handle



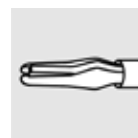
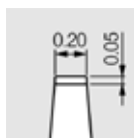
*TANO*  
straight, serrated tips

**G-36362** 6 mm handle  
**G-36364** 8 mm handle



straight  
endgripping, extra delicate  
0.2 mm x 0.05 mm

**G-36282** 6 mm handle  
**G-36284** 8 mm handle



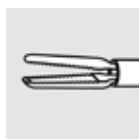
straight  
grip tips

**G-36286** 6 mm handle  
**G-36288** 8 mm handle

## 25 GAUGE

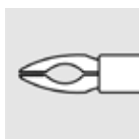
### VITREORETINAL FORCEPS

25 gauge / 0.5 mm  
6 mm and 8 mm diameter handles  
titanium, blue-colored  
overall length 155 mm



straight  
serrated "crocodile" tips

**G-36322** 6 mm handle  
**G-36324** 8 mm handle



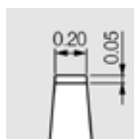
*TANO*  
straight, serrated tips

**G-36366** 6 mm handle  
**G-36368** 8 mm handle



straight  
endgripping, extra delicate  
0.2 mm x 0.05 mm

**G-36312** 6 mm handle  
**G-36314** 8 mm handle





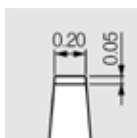
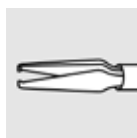
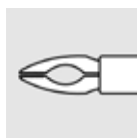
## ERGOLINE

### ERGOLINE FORCEPS

360° rotatable and interchangeable tips  
overall length 55 mm  
for Ergoline handpieces 6 mm and 8 mm diameters

### ERGOLINE HANDPIECE

for Ergoline forceps  
blue-colored  
**G-36600** 6 mm titanium handpiece  
**G-36601** 8 mm titanium handpiece



*TANO*

### ERGOLINE FORCEPS

straight, serrated tips  
**G-36755** 20 gauge / 0.9 mm  
**G-36765** 23 gauge / 0.6 mm

### ERGOLINE FORCEPS

endgripping  
extra delicate 0.2 mm x 0.05 mm  
**G-36690** 20 gauge / 0.9 mm  
**G-36680** 23 gauge / 0.6 mm  
**G-36710** 25 gauge / 0.5 mm

SINGLE-USE  
INTERCHANGEABLE FORCEPS  
AVAILABLE ON P. 222

**UNO**  
COLORLINE

G-18680

LAMBERT

## CHALAZION FORCEPS

round, 9 mm inside diameter  
solid and fenestrated plates  
overall length 92 mm



G-18670

AYER

## CHALAZION FORCEPS

round, 8 mm inside diameter  
interlacing tips  
solid and fenestrated plates  
overall length 90 mm



DESMARRES

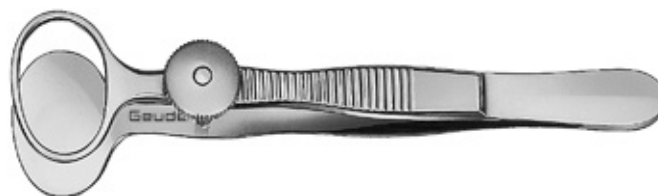
## CHALAZION FORCEPS

oval  
solid and fenestrated plates  
20 mm, overall length 88 mm  
25 mm, overall length 90 mm  
31 mm, overall length 95 mm

G-18685

G-18690

G-18695



G-18700

CAUER

## CHALAZION FORCEPS

oval, 13 mm x 11 mm inside diameter  
interlacing serrated tips  
solid and fenestrated plates  
overall length 99 mm



G-18710

LORDAN

## CHALAZION FORCEPS

triangular, 13 mm x 8 mm inside diameter  
solid and fenestrated plates  
overall length 95 mm



G-18715

BERKE

## PTOSIS FORCEPS

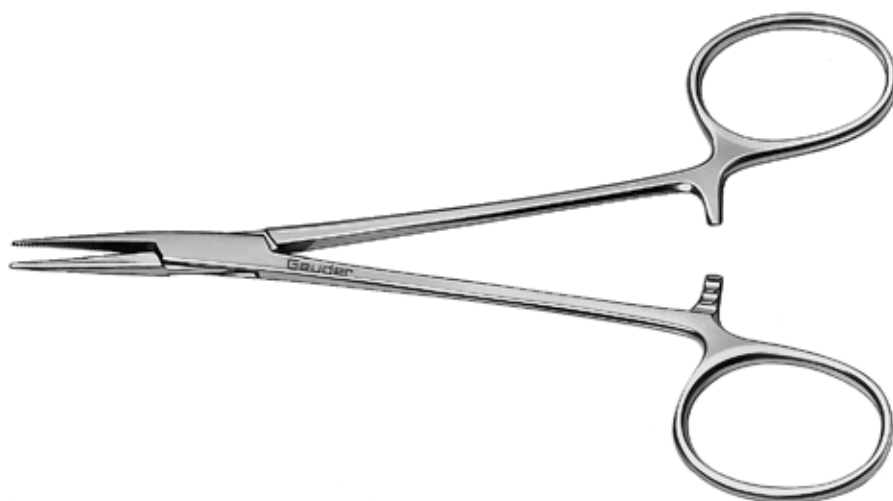
22 mm long serrated tips  
slide lock mechanism  
overall length 110 mm



*HARTMANN*  
**MOSQUITO FORCEPS**  
serrated  
18 mm jaws  
overall length 100 mm  
straight  
G-18170 curved  
G-18171



*HALSTEAD*  
**MOSQUITO FORCEPS**  
serrated  
25 mm jaws  
overall length 125 mm  
straight  
G-18180 curved  
G-18181



*HALSTEAD*  
**MOSQUITO FORCEPS**  
1 x 2 teeth  
serrated  
25 mm jaws  
overall length 125 mm  
straight  
G-18185 curved  
G-18182



4.

10

MOSQUITO · HEMOSTAT

**G-18160** *BACKHAUS*  
**TOWEL FORCEPS**  
overall length 90 mm



**G-33200** *SCHAEDEL*  
**TOWEL FORCEPS**  
overall length 90 mm



**G-18190** *DIEFFENBACH*  
**SERREFINE**  
straight, overall length 35 mm



**G-18195** *DIEFFENBACH*  
**SERREFINE**  
curved, overall length 35 mm



**G-31420** *DIEFFENBACH*  
**SERREFINE**  
straight, overall length 50 mm



**G-31415** *DIEFFENBACH*  
**SERREFINE**  
curved, overall length 50 mm



**G-18197** **SERREFINE**  
extra delicate, overall length 30 mm



## NEEDLE HOLDERS





*BARRAQUER***NEEDLE HOLDER**

10 mm delicate jaws  
0.8 x 0.55 mm tip  
overall length 120 mm  
curved, without lock  
curved, with lock

**G-17500****G-17501***BARRAQUER***NEEDLE HOLDER**

10 mm delicate jaws  
0.8 x 0.45 mm tip  
overall length 120 mm  
curved, without lock  
curved, with lock

**G-17505****G-17506***JACOBI***NEEDLE HOLDER**

5 mm extra delicate jaws  
1.0 x 0.5 mm tips  
overall length 115 mm  
straight, without lock  
straight, with lock

**G-17451****G-17453***JACOBI***NEEDLE HOLDER**

5 mm extra delicate jaws  
1.0 x 0.5 mm tips  
overall length 115 mm  
curved, without lock  
curved, with lock

**G-17450****G-17452***BARRAQUER***NEEDLE HOLDER**

7.5 mm extra delicate jaws  
0.6 x 0.3 mm tip  
overall length 105 mm  
straight, without lock  
straight, with lock

**G-17461****G-17463***BARRAQUER***NEEDLE HOLDER**

7.5 mm extra delicate jaws  
0.6 x 0.3 mm tip  
overall length 105 mm  
curved, without lock  
curved, with lock

**G-17460****G-17462**

*BARRAQUER-TROUTMAN*  
**NEEDLE HOLDER**

10 mm extra delicate jaws  
0.8 x 0.6 mm tip  
handle diameter 6 mm  
overall length 100 mm  
straight, without lock  
straight, with lock

**G-32260**

**G-32261**



*BARRAQUER-TROUTMAN*  
**NEEDLE HOLDER**

10 mm extra delicate jaws  
0.8 x 0.6 mm tip  
handle diameter 6 mm  
overall length 100 mm  
curved, without lock  
curved, with lock

**G-17535**

**G-17530**



*BARRAQUER*  
**NEEDLE HOLDER**

11 mm delicate jaws  
0.9 x 0.8 mm tips  
handle diameter 8 mm  
overall length 140 mm  
curved, without lock  
curved, with lock

**G-17510**

**G-17511**



*BARRAQUER*  
**NEEDLE HOLDER**

11 mm extra delicate jaws  
0.9 x 0.55 mm tips  
handle diameter 8 mm  
overall length 140 mm  
curved, without lock  
curved, with lock

**G-17515**

**G-17516**





*BARRAQUER***NEEDLE HOLDER**

11 mm delicate jaws  
1.1 x 0.75 mm tips  
handle diameter 10 mm  
overall length 140 mm  
curved, without lock  
curved, with lock

**G-17520****G-17525****G-32315***BARRAQUER***NEEDLE HOLDER**

curved, without lock  
8 mm standard jaws  
1.2 x 0.8 mm tips  
original model with longitudinal groove  
handle diameter 10 mm  
overall length 130 mm

*BARRAQUER***NEEDLE HOLDER**

12 mm standard jaws  
1.6 x 1.0 mm tips  
handle diameter 10 mm  
overall length 140 mm  
curved, without lock  
curved, with lock

**G-32320****G-32321**

## CASTROVIEJO NEEDLE HOLDER

short model  
9 mm extra delicate jaws  
0.9 x 0.55 mm tips  
overall length 90 mm  
straight, without lock  
straight, with lock

**G-17545**

**G-17540**



## CASTROVIEJO NEEDLE HOLDER

10.5 mm delicate jaws  
1.5 x 0.8 mm tips  
overall length 140 mm  
straight, without lock  
straight, with lock

**G-17560**

**G-17565**



## CASTROVIEJO NEEDLE HOLDER

10.5 mm delicate jaws  
1.5 x 0.8 mm tips  
overall length 140 mm  
curved, without lock  
curved, with lock

**G-17570**

**G-17575**

**COMBINED NEEDLE HOLDER / SCISSORS**

curved 12 mm blades with  
3 mm needle holder and tying platform  
used to hold, place and cut fine suture material  
overall length 125 mm

**G-17440****G-17441**

without lock

with lock

**G-32949***HATTENBACH***HYBRID NEEDLE HOLDER**

angled, for the anterior chamber  
25 gauge / 0.5 mm  
overall length 90 mm

for use in combination with  
hybrid tying forceps G-32947

*KALT***NEEDLE HOLDER**

standard jaws  
serrated, with longitudinal groove  
thumb rest and catch  
overall length 135 mm

**G-17610****G-17615**

straight, cross serrated jaws

curved, cross serrated jaws



*ARRUGA*

**NEEDLE HOLDER**

14 mm heavy jaws  
thumb rest and catch  
overall length 140 mm  
straight, smooth jaws  
curved, smooth jaws

**G-17640**

**G-17645**

**G-17660**

*HEIDELBERG MODEL*

**NEEDLE HOLDER**

straight  
14 mm heavy jaws  
with ratchet lock  
overall length 125 mm



**G-17650**

*BOYNTON*

**NEEDLE HOLDER**

straight  
with ratchet lock  
overall length 120 mm

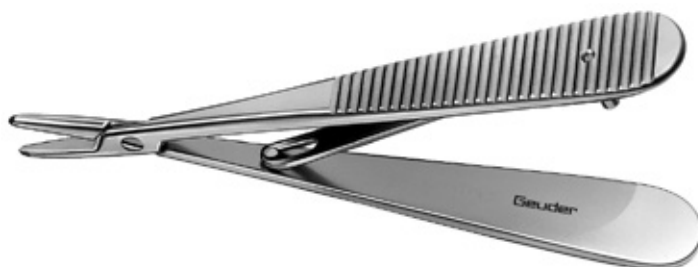


**G-17665**

*ROHRSCHEIDER*

**NEEDLE HOLDER**

straight  
13 mm heavy jaws  
1.3 x 1.5 mm tips  
overall length 100 mm



- G-19270** *BARRAQUER*  
**RAZOR BLADE HOLDER**  
flat handle  
overall length 110 mm



- G-19320** *CASTROVIEJO*  
**RAZOR BLADE HOLDER**  
6 mm round handle  
overall length 120 mm



- G-19330** *TROUTMAN*  
**RAZOR BLADE HOLDER**  
straight  
6 mm round handle  
overall length 95 mm



- G-18150** **HOLDER FOR ABSORBENT STRIPS**  
serrated  
to secure sterile absorbent swabs (G-18127)  
overall length 175 mm



## MANIPULATORS CHOPPERS, FIXATION RINGS HOOKS, SPATULAS LENS LOOPS



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**G-37440**

*HATTENBACH*

**GLOBE FIXATION RING**

for transconjunctival PPV  
12 mm inside diameter



**G-33755**

*THORNTON*

**FIXATION RING**

16 mm inside diameter  
12 atraumatic teeth



**G-31490**

*FINE-THORNTON*

**FIXATION RING**

for clear cornea and refractive procedures  
16 mm inside diameter, 10 mm opening  
12 atraumatic teeth



**G-31491**

*FINE-THORNTON*

**FIXATION RING**

for clear cornea and refractive procedures  
13 mm inside diameter, 10 mm opening  
9 atraumatic teeth



G-33757

*FINE-THORNTON*

**FIXATION RING**

for clear cornea and refractive procedures  
swivel handle

16 mm inside diameter, 10 mm opening  
12 atraumatic teeth



G-33758

*FINE-THORNTON*

**FIXATION RING**

for clear cornea and refractive procedures  
swivel handle

13 mm inside diameter, 10 mm opening  
9 atraumatic teeth



G-33759

*FINE-THORNTON*

**FIXATION RING**

for clear cornea and refractive procedures  
swivel handle

13 mm inside diameter, 10 mm opening  
9 atraumatic teeth, blunt



blunt

G-37425

**FIXATION, HOLDING AND  
MEASURING INSTRUMENT**

for trocar system, radius 3.5 mm



G-33708

*FOERSTER*

**FIXATION RING WITH  
SCLERAL DEPRESSOR**

inside diameter 6.5 mm





**YAMANE**

**DOUBLE NEEDLE STABILIZER**

Fixation ring for intrascleral IOL fixation  
with double needle technique

overall length 110 mm

for 30 gauge needles

for 27 gauge needles



Instrumento rankena  
grublėtu paviršiumi

2. **G-31496**  
**G-31497**

**FLIERINGA**

**SCLERAL FIXATION RING**

**G-15065** 15 mm

**G-15070** 16 mm

**G-15075** 17 mm

**G-15080** 18 mm

**G-15085** 19 mm

**G-15090** 20 mm



**G-32505**

**THOMAS NEUHANN**

**NUCLEUS DIVIDING HOOK**

for vertical chopping techniques

0.5 mm wide fine tip

overall length 108 mm



**MIYOSHI**

**NUCLEUS DIVIDING HOOK**

1 mm tip, 0.6 mm inner edge

overall length 104 mm

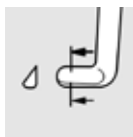
universal

for use in left hand

for use in right hand



universal  
**G-31500**



left hand  
**G-31501**



right hand  
**G-31502**

Instrumento rankena  
apvali

5. **G-31500**  
**G-31501**  
**G-31502**

G-31504

VÖLCKER

**NUCLEUS DIVIDING HOOK**

for narrow pupils  
with outer notch to push iris aside  
1.5 mm inner edge  
overall length 104 mm

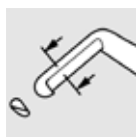


G-31503

ZIRM

**NUCLEUS DIVIDING HOOK**

1.5 mm inner edge  
overall length 104 mm

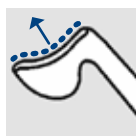


G-31509

JACOBOVITZ

**MULTIFUNCTIONAL CHOPPER**

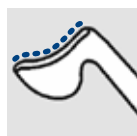
cleaver-shaped tip  
with distal nucleus chopper  
and proximal retractor to manipulate,  
divide and crack the nucleus  
tip height 1.20 mm  
tip width 0.13 mm



sharp



blunt



chop



crack



retract

G-32500

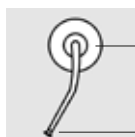
TOBIAS NEUHANN

**CHOPPER**

paddle shape nucleus divider  
0.5 mm wide tip  
overall length 108 mm



side view



front view

handle

tip

**G-32282**

*AGARWAL*  
**KARATE PHACO CHOPPER**  
0.9 mm long tip  
0.6 mm inner edge  
overall length 104 mm



**G-31505**  
**G-31506**

*HAEFLIGER*  
**NUCLEUS DIVIDING HOOK**  
to crack, chop and manipulate lenses  
1.0 mm triangular tip  
0.7 mm inner sharp hook  
overall length 104 mm  
for use in right hand  
for use in left hand



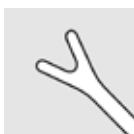
**G-31507**

*NAGAHARA*  
**NUCLEUS DIVIDING HOOK**  
for horizontal chopping techniques  
1.5 mm long tip  
0.9 mm inner edge  
overall length 98 mm



**G-32501**

*THOMAS NEUHANN*  
**NUCLEUS ROTATOR** and  
*TOBIAS NEUHANN*  
**CHOPPER**  
combination of  
horizontal Y-shaped nucleus rotator and  
paddle shaped nucleus divider  
overall length 119 mm



like G-32160



like G-32500

G-32168

THOMAS NEUHANN  
**SPATULA and  
NAGAHARA  
NUCLEUS DIVIDING HOOK**  
combination of  
0.5 mm wide phaco spatula and  
horizontal phaco chopper  
overall length 116 mm



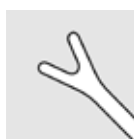
like G-16189



like G-31507

G-32161

THOMAS NEUHANN  
**NUCLEUS ROTATOR AND DIVIDING HOOK**  
combination of  
horizontal Y-shaped nucleus rotator and  
vertical phaco chopper  
overall length 117 mm



like G-32160



like G-32505

G-32164

THOMAS NEUHANN  
**SPATULA AND NUCLEUS DIVIDING HOOK**  
combination of  
0.5 mm wide phaco spatula and  
vertical phaco chopper  
overall length 125 mm



like G-16189



like G-32505

G-32162

THOMAS NEUHANN  
**IRIS HOOK AND NUCLEUS DIVIDING HOOK**  
combination of push-pull iris hook and  
NEUHANN vertical chopper  
overall length 120 mm



like G-16175



like G-32505

**G-32169**

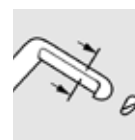
*KOHEN*

**IRIS HOOK AND NUCLEUS DIVIDING HOOK**

combination of push-pull iris hook and  
*NAGAHARA* horizontal chopper  
overall length 114 mm



like G-16175



like G-31507

**G-16181**

**G-16182**

*LIEBERMAN*

**MICROFINGER**

Nucleus Manipulator  
1.5 mm curved microfingert  
overall length 103 mm  
for use in right hand  
for use in left hand



**G-31727**

*AKAHOSHI*

**NUCLEUS SUSTAINER**

to manipulate and sustain nucleus  
used in combination with prechopper  
0.5 mm ball tip  
1.8 mm angled  
overall length 100 mm



**G-16185**

*DRYSDALE*

**NUCLEUS MANIPULATOR AND  
ANTERIOR CAPSULE POLISHER**

to manipulate, rotate, and divide the nucleus  
1.0 mm x 1.5 mm paddle shaped tip  
overall length 100 mm



G-32160

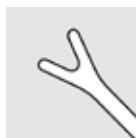
THOMAS NEUHANN

**NUCLEUS ROTATOR**

horizontal Y-shaped rotator and manipulator

0.15 mm diameter tip

overall length 104 mm



G-32034

HENNIG / FRIEDRICH

**LENS EXTRACTION HOOK**

(Hefri Hook)

overall length 105 mm



G-32550

MAINZ MODEL

**LENS MANIPULATOR**

straight

0.15 mm diameter tip

overall length 114 mm



G-32556

MAINZ MODEL

**MANIPULATOR**

vaulted

0.15 mm diameter tip

overall length 109 mm



G-16160

G-16161

JACOBI

**LENS MANIPULATOR**

vaulted

overall length 99 mm

for 0.3 mm IOL hole

for 0.2 mm IOL hole





**G-16166**

*SINSKEY*

**MARKING HOOK**

diameter 0.2 mm, round tip  
flat handle



**G-16167**

*SINSKEY*

**LENS MANIPULATION HOOK**

for 0.2 mm IOL hole  
10 mm angled shaft  
overall length 103 mm  
round handle



**G-32557**

*BREMEN MODEL*

**LENS MANIPULATOR**

vertical Y-hook  
0.15 mm diameter tip  
overall length 116 mm



**G-32555**

*RENTSCH*

**LENS MANIPULATOR AND HOOK**

straight  
0.18 mm diameter boat hook  
overall length 137 mm



**G-32530**

*FRANKFURT MODEL*

**MANIPULATOR**

straight  
0.18 mm diameter lens hook  
overall length 137 mm



G-32275

*ZIRM*  
**LENS LOOP MANIPULATOR**  
vertical Y-hook  
0.15 mm diameter tip  
overall length 108 mm



G-32276

*LESTER*  
**LENS LOOP MANIPULATOR**  
vaulted  
0.25 mm diameter tip  
overall length 102 mm



G-16169

*TANDOĞAN*  
**EXPLANTATION HOOK**  
for IOL  
0.2 mm diameter tip  
overall length 103 mm



G-16210

*HIRSCHMANN*  
**LENS SPATULA**  
0.6 mm wide spatula with  
0.2 mm notches  
overall length 104 mm



G-16175

*DARDENNE*  
**IRIS HOOK AND LENS MANIPULATOR**  
push-pull tip  
overall length 105 mm



**G-32227**

*LUND*

**IRIS HOOK**

0.8 mm collar button

overall length 105 mm



**G-16205**

*BONN MODEL*

**IRIS HOOK**

extra delicate

0.15 mm diameter hook

overall length 111 mm



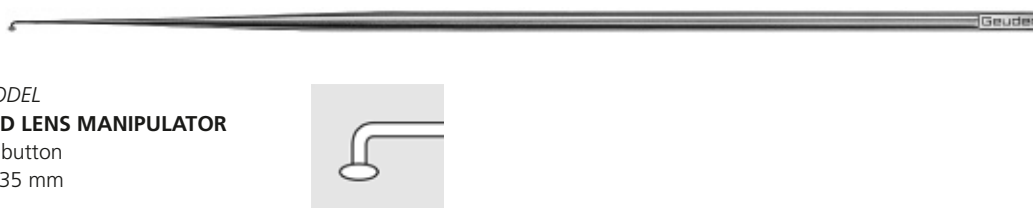
**G-31911**

*FRANKFURT MODEL*

**IRIS HOOK AND LENS MANIPULATOR**

0.65 mm collar button

overall length 135 mm



**G-16191**

*STEINMETZ*

**SPATULA**

for manual lens fragmentation

1 mm wide nucleus bisector

for use in left hand

overall length 110 mm



**G-16193**

*SPIRIG*

**SPATULA**

for manual lens fragmentation

0.5 mm wide nucleus bisector

overall length 110 mm

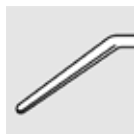


G-32728

*RENTSCH*

**SPATULA**

12 mm long spatula  
tapered from 0.6 mm to 0.3 mm  
overall length 118 mm



G-32005

*ENGELS*

**PHACO SPOON**

0.6 mm wide round spatula  
overall length 86 mm



G-32007

*D. D. KOCH*

**PHACO SPATULA**

curved with notches  
duckbill 0.5mm wide tip  
overall length 105 mm

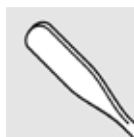


G-32523

*AMON*

**PHACO SPATULA**

paddle-shaped tip  
0.8 mm wide x 1.6 mm long  
0.2 mm thick  
overall length 103 mm



**SPATULA**

12 mm spatula  
angled, 45°  
overall length 108 mm  
0.5 mm wide x 0.25 mm thick  
1.0 mm wide x 0.25 mm thick



G-16189

G-16190

**G-32724**

*SEKUNDO*

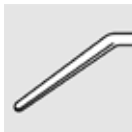
**ENCLAVATION SPATULA**

for retropupillary implantation of  
Iris-Claw IOL

14 mm long spatula

tapered from 0.75 mm to 0.3 mm

overall length 118 mm



**G-31378**

*ANIS*

**BALL CAPSULE POLISHER**

1.5 mm diameter hemisphere tip

textured

overall length 113 mm



**G-32563**

*RENTSCH*

**CAPSULE POLISHING CURETTE**

angled 135°

1.5 mm diameter tip

anterior and posterior semi-sharp edges

overall length 108 mm



**G-32564**

*RENTSCH*

**CAPSULE POLISHING CURETTE**

angled 90°

1.5 mm diameter tip

anterior and posterior semi-sharp edges

overall length 110 mm



G-15620

*ARLT*  
**LENS LOOP**  
serrated, curved  
3.5 mm wide  
overall length 135 mm



G-15630

*SNELLEN*  
**LENS LOOP**  
smooth, curved  
3.5 mm wide  
overall length 135 mm



G-15640

*WEBER*  
**LENS LOOP**  
small  
4 mm wide  
overall length 130 mm



G-15645

*WEBER*  
**LENS LOOP**  
large  
5 mm wide  
overall length 135 mm



G-15635

*SPIRIG*  
**LENS LOOP**  
for manual lens fragmentation  
serrated, curved  
2.2 mm wide  
overall length 135 mm





*BANGERTER*

**SPATULA**

lightly curved

overall length 139 mm

**G-15720**

6 mm wide

**G-15725**

10 mm wide

**G-15730**

12 mm wide



**G-15731**

*BEHRENS-BAUMANN*

**ORBITAL SPATULA**

with aspiration

10 mm wide, lightly curved

overall length 137 mm



*SAUTTER*

**ORBITAL SPATULA**

overall length 142 mm

**G-15740**

22 x 13 mm curved plate

**G-15750**

22 x 19 mm curved plate



**G-32445**

*HAMBURG MODEL*

**ORBITAL SPATULA**

18 x 12 mm curved plate

overall length 145 mm



**G-32446** **ORBITAL SPATULA**  
18 x 8 mm curved plate  
overall length 145 mm



6. **G-15758** **KERATOPLASTY  
SPATULA**  
perforated

Instrumento rankena  
ploščia



**G-32727** **BINKHORST  
SYNECHIAE SPATULA**  
10 mm long, semi-sharp  
extra delicate  
overall length 129 mm



**G-15477** **CASTROVIEJO  
SYNECHIAE SPATULA**  
7 mm long, semi-sharp  
0.5 mm wide  
overall length 86 mm





**G-15475** *CASTROVIEJO*  
**CYCLODIALYSIS SPATULA**  
double ended, blunt  
10 and 15 mm long  
overall length 134 mm



**G-15470** *ELSCHNIG*  
**CYCLODIALYSIS SPATULA**  
10 mm long, blunt  
1.2 mm wide  
overall length 127 mm



**G-15480** *CASTROVIEJO*  
**CYCLODIALYSIS SPATULA**  
10 mm long, blunt  
0.7 mm wide  
overall length 129 mm



**G-15485** *CASTROVIEJO*  
**CYCLODIALYSIS SPATULA**  
15 mm long, blunt  
0.7 mm wide  
overall length 129 mm

G-15400

WECKER  
**IRIS SPATULA**

slim  
1.5 mm wide, lightly curved  
overall length 129 mm



G-15405

WECKER  
**IRIS SPATULA**

wide  
2.5 mm wide, lightly curved  
overall length 132 mm



G-31990

WECKER  
**IRIS SPATULA**

conical  
0.9 mm wide, lightly curved  
overall length 134 mm



G-15390

FRANKFURT MODEL  
**IRIS SPATULA**

0.9 mm wide, curved  
overall length 125 mm



G-15391

FRANKFURT MODEL  
**IRIS SPATULA**

extra delicate  
0.25 mm wide, curved  
overall length 125 mm



**G-32729**

**IRIS SPATULA**

extra delicate, conical  
7 mm long spatula, angled  
tapers from 0.5 mm to 0.3 mm  
overall length 114 mm



**G-31975**

*BANGERTER*

**IRIS SPATULA**

round handle  
8 mm long spatula, angled  
overall length 118 mm

**G-31980**

1.0 mm wide

**G-31980**

1.5 mm wide

**G-31985**

2.0 mm wide



**G-15360**

*BANGERTER*

**IRIS SPATULA**

flat handle  
8 mm long spatula, angled  
overall length 125 mm

**G-15365**

1.0 mm wide

**G-15365**

1.5 mm wide

**G-15370**

2.0 mm wide



**G-15755**

*ESSEN MODEL*

**SPATULA**

10 mm wide  
25 mm angled, flat  
overall length 149 mm





**G-15757** *GIESSEN MODEL*  
**SPATULA AND RETRACTOR**  
9 mm wide  
angled, concave  
overall length 162 mm



**G-15780** *WELLS*  
**ENUCLEATION SPOON**  
overall length 147 mm



**G-33912** *ZIRM*  
**LASIK CORNEAL PROTECTOR**  
7.0 x 2.5 mm corneal shield  
overall length 120 mm



**G-33930** *THOMAS NEUHANN*  
**LASIK SPATULA**  
with beveled blunt tip  
rounded anterior and  
flat posterior surface  
for lifting the corneal flap  
overall length 106 mm



**G-33935**

*RAU*

**LASEK SPATULA**

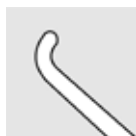
5.5 mm long spatula  
for repositing and smoothing  
the epithelial flap after laser ablation  
overall length 116 mm



**G-38607**

**DESCEMET INCISION HOOK**

0.2 mm diameter blunt tip  
for marking the area of Descemetorhexis  
in recipient's eye  
overall length 103 mm



**G-38608**

**DESCEMET SCRAPER**

1 mm semi-circular tip  
for scraping the recipient Descemet's  
membrane  
overall length 103 mm

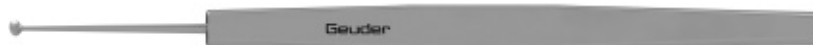


**G-38622**

*SZURMAN*

**DMEK PREPARATION SPATULA**

disc-shaped spatula  
2.5 mm diameter, blunt  
for removal of Descemet's membrane from graft  
overall length 121 mm



**G-38604**

*THOMAS NEUHANN*

**ENDOTHELIAL INSERTION SPATULA**

with teflon insert, angled 145°, 4 x 2 mm  
for easy insertion of donor lamellar button  
with notched tip for "pull-through" technique  
overall length 104 mm  
(used with G-38606)



G-33966

*DICK*

**FEMTOCATARACT SPATULA**

double ended with round semi-sharp tips  
for easy opening of femto incisions  
spatula 2.5 mm flattened, 0.65 mm wide  
for main and sideport incisions  
knife 90° angled, 0.9 mm wide  
for arcuate incisions  
overall length 100 mm

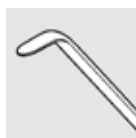


G-33967

*BREYER*

**FEMTOCATARACT SPATULA**

angled  
1 mm blunt round tip  
for opening femto incisions  
overall length 100 mm



G-33968

*HOFFMANN*

**FEMTOCATARACT NUCLEUS ROTATOR  
AND CHOPPER**

horizontal Y-shaped rotator, 0.75 mm wide  
and 1 mm "Quick Chop" tip  
overall length 120 mm

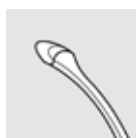


G-33950

*CHANSUE*

**FEMTO DOUBLE INSTRUMENT**

blunt spoon-shaped lenticule spatula  
1.25 mm wide, vaulted and  
hook, 2 mm long, angled  
overall length 115 mm  
to open the incision, delineate the edge  
of the lenticules and separate the interfaces  
during SMILE procedures



**G-33952**

*CHANSUE*

**FEMTO DOUBLE INSTRUMENT**

conical lenticule spatula, 9 mm long, vaulted  
hook, 2 mm long, angled  
overall length 115 mm  
to open the incision, delineate the edge  
of the lenticules and separate the interfaces  
during SMILE procedures

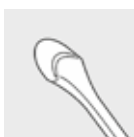


**G-33954**

*GUELL*

**FEMTO DOUBLE INSTRUMENT**

1.25 mm wide spoon-shaped spatula,  
lightly curved  
2 mm long hook, angled  
overall length 113 mm  
to open the incision, delineate the edge  
of the lenticules and separate the interfaces  
during SMILE procedures



**G-33940**

*BLUM*

**FEMTO-LASIK ROUND SPOON**

spoon-shaped spatula, 1.25 mm wide  
semi-sharp, bevel up, vaulted  
overall length 105 mm  
to undermine, lift and reposit LASIK flaps  
created with a femtosecond laser

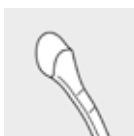


**G-33942**

*BREYER*

**FEMTO-LASIK DOUBLE-ENDED INSTRUMENT**

combination of  
*BLUM* spoon-shaped spatula, semi-sharp  
and hook with 1 mm inner edge  
(one blunt and one slightly sharp edge)  
overall length 115 mm



G-33427

PFAEFFL

**FEMTO FLAP LIFTER**

double ended, both ends blunt  
10.5 mm conical v-shaped hook, curved and  
1.5 mm modified *SINSKEY* hook  
overall length 115 mm  
for finding the flap edge, lifting, and retreating it



G-33943

PFAEFFL

**FEMTO FLAP LIFTER**

double ended  
10.5 mm conical v-shaped hook, straight and  
1.5 mm modified *SINSKEY* hook  
overall length 115 mm  
for finding the flap edge, lifting and retreating it



G-33958

PFAEFFL-BREYER

**FEMTO FLAP LIFTER**

double ended  
10.5 mm conical v-shaped hook, curved  
with double bevel tip and  
1.5 mm modified *SINSKEY* hook  
overall length 115 mm  
for finding the flap edge, lifting and retreating it



G-33959

BREYER

**FEMTO-LASIK HOOK INSTRUMENT**

angled  
1.3 mm wide scraper hook  
to delineate and remove the lenticule  
overall length 105 mm





**G-33944**

*KOHNEN*

**FEMTO-LASIK DOUBLE-ENDED INSTRUMENT**

11 mm long x 0.5 mm wide spatula and  
2 mm modified *SINSKEY* hook, blunt tip  
overall length 120 mm



**G-19137**

*CUEPPERS*

**STRABISMUS MUSCLE TUCKER**

15 mm scale, for muscle stretching  
serrated J-shaped tendon hook to  
prevent the muscle from slipping



**G-32726**

*MUENSTER MODEL*

**SUTURE HOOK**

hook 5 mm  
overall length 149 mm





**G-15799** *GRAEFE*  
**STRABISMUS HOOK**  
short, 5 mm  
overall length 130 mm



**G-15800** *GRAEFE*  
**STRABISMUS HOOK**  
small, 8 mm  
overall length 131 mm



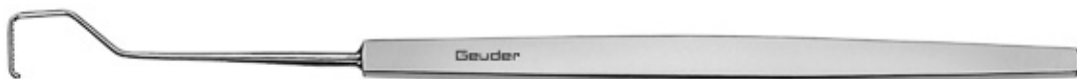
**G-15805** *GRAEFE*  
**STRABISMUS HOOK**  
medium, 10 mm  
overall length 133 mm



**G-15810** *GRAEFE*  
**STRABISMUS HOOK**  
large, 12 mm  
overall length 137 mm



**G-32915** *HAMBURG MODEL*  
**STRABISMUS HOOK**  
10 mm long  
slim 1 mm diameter hook  
overall length 135 mm



**G-15830** *MALBRAN*  
**STRABISMUS HOOK**  
9.5 mm serrated hook with right-angle knob  
to prevent muscle slippage  
overall length 140 mm



**G-15820** *BONN MODEL*  
**STRABISMUS HOOK**  
11 mm  
overall length 143 mm



3. **G-15821** *BONN MODEL*  
**STRABISMUS HOOK**  
11 mm retinal detachment hook  
with 1.0 mm hole  
overall length 143 mm

Instrumento rankena  
plokščia



**G-32905** *BONN MODEL*  
**STRABISMUS HOOK**  
curved, tenotomy hook  
overall length 145 mm



**G-32920** *JAMESON*  
**STRABISMUS HOOK**  
11 mm, with bulbous tip  
overall length 125 mm

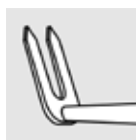


**G-37435**

*HATTENBACH*

**HORSESHOE-HOOK**

to pull the trocars off the lance  
and to remove the trocars from the sclera  
overall length 98 mm

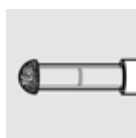


**G-37551**

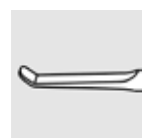
*BARTZ-SCHMIDT*

**ILM-SCRAPER**

20 gauge / 0.9 mm  
diamond dusted tip

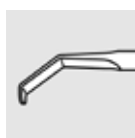


## MEMBRANE SPATULAS



angled at 1.5 mm

**G-37530** 20 gauge / 0.9 mm



angled at 2 mm and 4 mm

**G-37535** 20 gauge / 0.9 mm



subretinal pick, angled at 4 mm

**G-37545** 20 gauge / 0.9 mm



*LUCKE*  
curved

**G-37515** 20 gauge / 0.9 mm



2.5 mm angled

**G-37525** 20 gauge / 0.9 mm

5.0 mm angled

**G-37520** 20 gauge / 0.9 mm



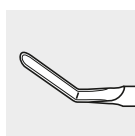
angled at 1 mm, long rakes

**G-37570** 20 gauge / 0.9 mm



with ball tip  
angled at 2.0 mm

**G-37550** 20 gauge / 0.9 mm



**SPATULA KNIFE**

all edges sharp

5.0 mm, angled

**G-37560** 20 gauge / 0.9 mm



*ZENONI*

with pointed tip

**G-37558** 25 gauge / 0.5 mm



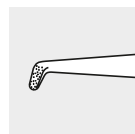
## MEMBRANE PEELERS



1.0 mm angled  
**G-37500** 20 gauge / 0.9 mm  
**G-37503** 23 gauge / 0.6 mm



*MORRIS-KROLL*  
1.5 angled  
**G-37505** 20 gauge / 0.9 mm



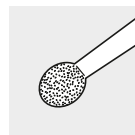
for MIS  
textured, angled  
**G-37501** 20 gauge / 0.9 mm



0.65 mm angled  
black chromium  
**G-37506** 20 gauge / 0.9 mm



0.4 mm, recessed, angled  
black chromium  
**G-37511** 20 gauge / 0.9 mm  
**G-37512** 23 gauge / 0.6 mm  
**G-37513** 25 gauge / 0.5 mm



**HEM-STOPPER**  
**G-37549** 20 gauge / 0.9 mm

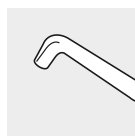


**G-37580**

*HANSEN*

### **MICRO HOOK**

to pass under retinal vessels  
during arteriovenous dissection  
20 gauge / 0.9 mm





## SCLERAL DEPRESSORS LOCALIZERS









**G-32152** *LAQUA*  
**SCLERAL DEPRESSOR**  
with pocket clip  
3 x 1.8 mm teardrop-shaped tip  
overall length 128 mm



**G-32150** *LAQUA*  
**SCLERAL DEPRESSOR**  
double-ended with pocket clip  
3 x 1.8 mm teardrop-shaped tip  
2 mm diameter scleral marker  
overall length 134 mm



**G-32153** *LUCKE*  
**SCLERAL DEPRESSOR**  
with pocket clip  
3.8 x 2.0 mm teardrop-shaped tip  
overall length 128 mm



**G-32027** *KREISSIG*  
**SCLERAL DEPRESSOR**  
double-ended with pocket clip  
conical tip with 2.4 mm diameter  
and 6.0 mm bar  
overall length 128 mm



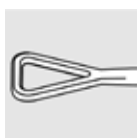
**G-15710** *MEYER-SCHWICKERATH*  
**LOCALIZER AND SCLERAL DEPRESSOR**  
for fixation and rotation



**G-32715** *SCHOCKET*  
**SCLERAL DEPRESSOR**  
double-ended with pocket clip  
3 x 2 mm teardrop tip and  
6.0 mm bar  
overall length 132 mm



**G-32714** **SCLERAL DEPRESSOR**  
double-ended  
2 mm and 4 mm diameter  
diamond dusted tips  
overall length 120 mm



**G-37445** *HATTENBACH*  
**TRIANGLE SCLERAL DEPRESSOR**  
for gentle buckling and firm grip without the risk of rupture  
overall length 133 mm



**G-33708** *FOERSTER*  
**FIXATION RING WITH SCLERAL DEPRESSOR**  
inside diameter 6.5 mm

## PROBES DILATORS





**G-150301** *WILDER*  
**LACRIMAL PROBE**  
delicate, long taper  
0.45 mm tip diameter  
overall length 104 mm



**G-150302** *WILDER*  
**LACRIMAL PROBE**  
medium, medium taper  
0.50 mm tip diameter  
overall length 104 mm



**G-150303** *WILDER*  
**LACRIMAL PROBE**  
strong, short taper  
0.55 mm tip diameter  
overall length 104 mm



**G-150401** *WILDER*  
**LACRIMAL PROBE**  
slim  
delicate, long taper  
0.30 mm tip diameter  
overall length 95 mm



**G-150402** *WILDER*  
**LACRIMAL PROBE**  
slim  
medium, medium taper  
0.35 mm tip diameter  
overall length 95 mm



**G-150403** *WILDER*  
**LACRIMAL PROBE**  
slim  
strong, short taper  
0.40 mm tip diameter  
overall length 95 mm



**G-15020** *GIESSEN MODEL*  
**LACRIMAL PROBE**  
11 mm tapered shaft, angled  
0.4 mm tip width  
overall length 77 mm



KELLNAR

## RETROGRADE PROBE

for canalicular repair  
0.5 mm suture hole  
overall length 95 mm

G-15050

right

G-15055

left



G-15095

## PIGTAIL PROBE

double-ended  
for canalicular repair  
with 0.4 mm suture holes  
overall length 140 mm



G-15096

## PIGTAIL PROBE

double-ended  
for canalicular repair  
with 1.0 mm suture hooks  
overall length 140 mm



## PROBE FOR STROMAL CHANNEL

for corneal implants in patients with  
keratoconus  
overall length 115 mm  
bent to the left  
bent to the right

G-37602

bent to the left

G-37604

bent to the right





*BOWMAN*

**LACRIMAL PROBE**

cylindrical, silver  
overall length 130 mm

<b>G-150001</b>	size 0000/000
<b>G-150002</b>	size 00/0
<b>G-150003</b>	size 1/2
<b>G-150004</b>	size 3/4
<b>G-150005</b>	size 5/6



*BOWMAN*

**LACRIMAL PROBE**

cylindrical, stainless steel  
overall length 130 mm

<b>G-150101</b>	size 0000/000
<b>G-150102</b>	size 00/0
<b>G-150103</b>	size 1/2
<b>G-150104</b>	size 3/4
<b>G-150105</b>	size 5/6



*BOWMAN*

**LACRIMAL PROBE**

bulbous tips, silver  
overall length 130 mm

<b>G-150051</b>	size 0000/000
<b>G-150052</b>	size 00/0
<b>G-150053</b>	size 1/2
<b>G-150054</b>	size 3/4
<b>G-150055</b>	size 5/6



*BOWMAN*

**LACRIMAL PROBE**

bulbous tips, stainless steel  
overall length 130 mm

<b>G-150151</b>	size 0000/000
<b>G-150152</b>	size 00/0
<b>G-150153</b>	size 1/2
<b>G-150154</b>	size 3/4
<b>G-150155</b>	size 5/6

JUENEMANN

**LACRIMAL PROBE**

with 72 mm probe and 18 mm grip plate  
to insert suture material  
provided with cleaning adaptor G-31022

**G-33193**

0.6 mm diameter

**G-33194**

0.8 mm diameter

**G-33195**

1.0 mm diameter



**G-15315**

KRUMEICH

**DALK PROBE**

for deep lamellar keratoplasty  
12 mm tapered probe  
overall length 73 mm



MACKENSEN

**TRABECULAR PROBE**

7 mm curved probe  
overall length 92 mm

**G-15105**

right

**G-15110**

left



HARMS

**TRABECULAR PROBE**

dual 9.5 mm curved probes  
3 mm spread  
overall length 46 mm

**G-15125**

right

**G-15130**

left



THOMAS NEUHANN

**U-SHAPED PROBE**

with holding plate  
dual 9 mm curved probes  
3 mm spread  
overall length 12 mm

**G-15136**

0.30 mm probe diameter

**G-15138**

0.25 mm probe diameter



**G-15137**

THOMAS NEUHANN

**HOLDER**

with lock  
for U-shaped probes G-15136 and G-15138  
overall length 92 mm





## CANNULAS I/A INSTRUMENTS

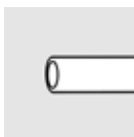


LACRIMAL.....	<b>191</b>
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**LACRIMAL CANNULA**

conical, straight  
 tapers from 19 to 25 gauge  
 25 mm shaft  
 silver  
 stainless steel

**G-33140****G-33135****LACRIMAL CANNULA**

conical, strongly curved  
 tapers from 19 to 25 gauge  
 25 mm shaft  
 silver  
 stainless steel

**G-15140****G-15141****LACRIMAL CANNULA**

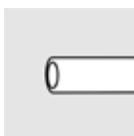
conical, angled at 10 mm  
 tapers from 19 to 25 gauge  
 25 mm shaft  
 silver  
 stainless steel

**G-15150****G-15151****LACRIMAL CANNULA**

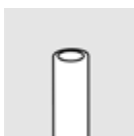
conical, angled at 18 mm  
 tapers from 19 to 25 gauge  
 25 mm shaft  
 silver  
 stainless steel

**G-15160****G-15161****G-15190***ANEL***LACRIMAL CANNULA**

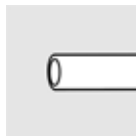
straight  
 15 mm shaft  
 23 gauge / 0.64 mm

**G-15195***ANEL***LACRIMAL CANNULA**

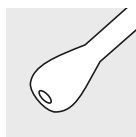
strongly curved  
 16 mm shaft  
 23 gauge / 0.64 mm



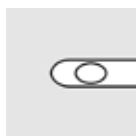
- LACRIMAL CANNULA**  
cylindrical, straight
- G-33160** 20 gauge / 0.9 x 35 mm  
**G-33170** no. 12, 0.72 x 32 mm  
**G-33175** no. 14, 0.67 x 30 mm  
**G-33180** no. 16, 0.60 x 22 mm  
**G-33185** no. 18, 0.45 x 22 mm  
**G-33190** no. 20, 0.42 x 22 mm



- G-15170** *BONN MODEL*  
**LACRIMAL CANNULA**  
 with probe tip  
 1.15 mm diameter olive tip



- BANGERTER*  
**LACRIMAL PROBE CANNULA**  
 straight, 0.6 mm side port
- G-15271** 23 gauge / 0.64 x 60 mm  
**G-15272** 21 gauge / 0.80 x 40 mm  
**G-15273** 23 gauge / 0.64 x 40 mm



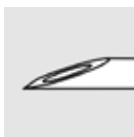
- G-33197** *JUENEMANN*  
**LACRIMAL PROBE CANNULA**  
 to insert suture material  
 21 gauge / 0.8 x 35 mm



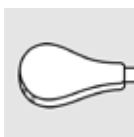
- G-33198** *JUENEMANN*  
**LACRIMAL PROBE CANNULA**  
 with grip plate  
 65 mm probe  
 to insert suture material  
 21 gauge / 0.8 x 65 mm



- G-15375** RETROBULBAR INJECTION CANNULA  
 24 gauge / 0.6 x 60 mm  
**G-32605** 24 gauge / 0.6 x 35 mm  
**G-32600** 25 gauge / 0.5 x 35 mm  
**G-15376** 25 gauge / 0.5 x 50 mm  
**G-15377** 25 gauge / 0.5 x 40 mm



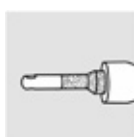
- G-15200** CRANZ  
**EYE DOUCHE**  
 irrigation through five front ports  
 silver



- G-33416** BOPP  
**ANTERIOR CHAMBER INFUSION CANNULA**  
 anterior chamber maintainer with  
 threaded tip for better fixation  
 and silicone tube  
 20 gauge / 0.9 mm



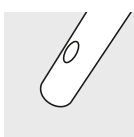
- G-33422** BONN MODEL  
**ANTERIOR CHAMBER INFUSION CANNULA**  
 self-retaining textured tip  
 dual 0.35 mm side ports  
 silicone tube 15 cm  
 23 gauge / 0.6 mm



- G-16105** IRRIGATION CYSTOTOME CANNULA  
 26 gauge / 0.45 mm



- G-15220** ENZYME CANNULA  
 24 gauge / 0.6 mm



**G-15275 CYCLODIALYSIS SPATULA CANNULA**

12 mm long spatula  
anterior 0.2 mm port  
26 gauge / 0.45 mm

**G-31355 BUSSE CYCLODIALYSIS SPATULA CANNULA**

12 mm long spatula  
dual 0.2 mm port  
26 gauge / 0.45 mm



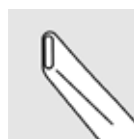
**SAUTTER**  
**HYDRODISSECTION CANNULA**  
front opening  
flattened tip

12. **G-15250****G-32166**13. **G-32167**

vertical, 27 gauge / 0.4 mm

vertical, 26 gauge / 0.45 mm

horizontal, 27 gauge / 0.4 mm



vertical  
G-15250  
G-32166

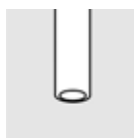
horizontal  
G-32167

**G-32155 TUEBINGEN MODEL HYDRODISSECTION CANNULA**

30 gauge / 0.3 mm

**G-15185 FRANKFURT MODEL HYDRODISSECTION CANNULA**

27 gauge / 0.4 mm

**G-31895 HYDRODISSECTION CANNULA**

vertically flattened tip  
front opening  
24 gauge / 0.6 x 20 mm

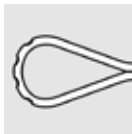


**SPIRIG**  
**HYDRODISSECTION CANNULA**  
for manual lens fragmentation  
right  
left

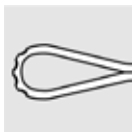
**G-15252****G-15253**

**G-16115 IRRIGATION VECTIS CANNULA**

4 front ports  
 5 mm wide lens loop  
 curved

**G-32759 IRRIGATION VECTIS CANNULA**

small model  
 4 front ports  
 4 mm wide lens loop  
 curved

**G-31510 KLÖCKNER EXPRESSOR CANNULA**

8 mm wide lens loop  
 4 front ports  
 lightly curved

**G-31807 HEALON - VISCOELASTIC CANNULA**

flattened tip, angled at 6 mm  
 30 mm shaft  
 21 gauge / 0.8 mm

**G-22619 PH. JACOBI TRABECULAR ASPIRATION CANNULA**

angled at 13 mm  
 24 gauge / 0.6 mm

**BURK IRRIGATION TRABECULOTOMY CANNULA**

8 mm curved irrigation probe  
 30 gauge / 0.3 mm

**G-15188****G-15189**

angled right  
 angled left

**G-33199 NAGATA SUB-TENON INJECTION CANNULA**

for atraumatic penetration and  
 injection of anesthetic agent  
 24 gauge / 0.6 mm



**G-15180**

**IRRIGATION CANNULA**

bulbous tip, 0.75 mm diameter tip  
extra delicate  
26 gauge / 0.45 mm



**G-15230**

*BONN MODEL*

**IRRIGATION CANNULA**

flattened tip, front opening  
delicate, 0.5 x 1.5 mm  
medium, 0.6 x 1.9 mm



**G-16135**

*BINKHORST*

**IRRIGATION CANNULA**

U-shaped  
22 gauge / 0.7 mm x 36 mm  
angled right  
angled left



**G-32760**

*MUELLER*

**IRRIGATION CANNULA**

J-shaped with probe tip  
26 gauge / 0.45 x 19 mm  
angled left  
angled right



**G-16138**

*RENTSCH*

**IRRIGATION CANNULA**

J-shaped  
angled at 10 mm  
26 gauge / 0.45 x 24 mm

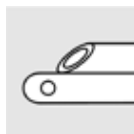


**G-16106**

*SIMCOE*

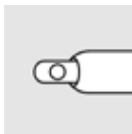
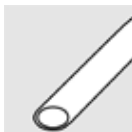
**IRRIGATION / ASPIRATION CANNULA**

dual shaft  
0.3 mm diameter aspiration port  
front opening irrigation port  
23 gauge / 0.64 mm  
with silicone tube and Luer-Lock hub

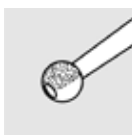




**G-16120**     **IRRIGATION / ASPIRATION CANNULA  
COAXIAL**

 straight  
 aspiration port 0.4 mm  
 infusion tube 18 gauge / 1.2 mm

**G-15225**     **ASPIRATION CANNULA**  
**G-15226**     lightly curved, front opening  
                  delicate, 19 gauge / 1.1 mm  
                  standard, 17 gauge / 1.5 mm

**G-16125**     *KRATZ*  
**CAPSULE POLISHING CANNULA**  
 angled at 2 mm  
 half-textured tip  
 23 gauge / 0.64 mm

**G-16133**     *TEPING*  
**ASPIRATION POLISHING CANNULA**  
 0.3 mm posterior port  
 half-textured tip, curved  
 23 gauge / 0.64 mm

**G-16130**     **CAPSULE POLISHING CANNULA**  
 with half-textured ball tip  
 18 gauge / 1.2 mm

**G-16132**     *PAPST*  
**CAPSULE POLISHING CANNULA**  
 0.75 mm hemisphere textured tip  
 25 gauge / 0.5 mm

**G-32529**     *KYU*  
**CAPSULE POLISHING CANNULA**  
 2 mm disc-shaped tip  
 textured  
 22 gauge / 0.7 mm  
**G-32527**     23 gauge / 0.64 mm


G-32528

*GREITE*  
**CAPSULE POLISHING CANNULA**  
curette tip  
textured  
22 gauge / 0.7 mm



G-32774

*BRAUWEILER*  
**ASPIRATION CANNULA**  
angled at 13 mm  
textured polisher tip  
0.3 mm beveled port  
21 gauge / 0.8 mm



G-32769

*H.-R. KOCH*  
**ASPIRATION CANNULA**  
angled at 14 mm  
0.3 mm anterior port  
half-textured, spatulated tip  
21 gauge / 0.8 mm



G-32776

*BRAUWEILER*  
**IRRIGATION CANNULA**  
angled at 12 mm  
front opening  
21 gauge / 0.8 mm



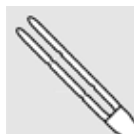
G-32772

*BRAUWEILER*  
**IRRIGATION CANNULA**  
angled at 13 mm  
textured 0.8 mm iris retractor and  
capsule polisher  
21 gauge / 0.8 mm



G-33909

*W. BAUER*  
**LASIK CANNULA**  
double-armed  
6 ports  
for irrigation of the flap and stromal bed  
25 gauge / 0.5 mm



**G-33910**

*ZIRM*  
**LASIK DISSECTOR CANNULA**  
 flattened  
 front opening  
 25 gauge / 0.5 mm

**G-33911**

*ZIRM*  
**LASIK IRRIGATION CANNULA**  
 flattened and textured tip  
 with 5 irrigation ports  
 20 gauge / 0.9 mm

**G-15310**

*KRUMEICH*  
**CORNEAL IRRIGATION CANNULA**  
 for big bubble technique during DALK  
 semi-sharp dissector tip  
 0.2 mm posterior port  
 27 gauge / 0.4 mm

**G-15312**

*KRUMEICH*  
**CORNEAL IRRIGATION CANNULA**  
 for big bubble technique during DALK  
 angled at 12 mm  
 0.4 mm anterior port  
 23 gauge / 0.6 mm

**G-22550**

**IRRIGATION CANNULA HANDPIECE**  
 overall length 115 mm

**G-32015**

**IRRIGATION CANNULA HANDPIECE**  
 male / female connectors  
 overall length 112 mm

**G-32771** *BRAUWEILER*  
**IRRIGATION CANNULA HANDPIECE**  
 male / female connectors  
 78 mm



**G-32773** *BRAUWEILER*  
**ASPIRATION CANNULA HANDPIECE**  
 male / male connectors  
 80 mm



**G-32778** *KEERL*  
**IRRIGATION CANNULA HANDPIECE**  
 with silicone tube



**G-32010** **IRRIGATION CANNULA HANDPIECE**  
 with silicone tube



**G-22632** *SCHMACK*  
 21 gauge / 0.8 mm



**G-22633** **IRRIGATION HANDPIECE**  
 0.5 mm port  
**ASPIRATION HANDPIECE**  
 0.3 mm port

**G-22100** *D.D. KOCH - KOHNEN*  
**ASPIRATION HANDPIECE**  
 0.3 mm aspiration port  
 textured tip  
**G-22102** 22 gauge / 0.7 mm  
 23 gauge / 0.6 mm



G-22101

*D.D. KOCH - KOHNEN*  
**IRRIGATION HANDPIECE**  
 front opening  
 22 gauge / 0.7 mm

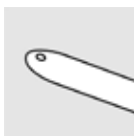


G-22105

**ASPIRATION HANDPIECE**  
 0.25 mm aspiration port  
 conical tip  
 oval tube 0.95 x 0.55 mm  
 smooth

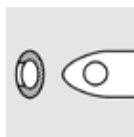
G-22106

textured



G-22107

**IRRIGATION HANDPIECE**  
 0.5 mm irrigation port  
 conical tip  
 oval tube 0.95 x 0.55 mm



G-22637

*SCHMACK*  
**ASPIRATION HANDPIECE**  
 4 x 0.15 mm posterior ports  
 textured tip  
 23 gauge / 0.6 mm



G-32011

**ASPIRATION HANDPIECE**

0.3 mm aspiration port  
textured, conical tip  
21 gauge / 0.8 mm



G-32012

**IRRIGATION HANDPIECE**

dual 0.5 mm irrigation ports  
textured, conical tip  
21 gauge / 0.8 mm



G-32018

*BRAUWEILER***ASPIRATION HANDPIECE**

angled at 13 mm  
0.3 mm beveled port  
textured tip  
21 gauge / 0.8 mm



G-32019

*H.-R. KOCH***ASPIRATION HANDPIECE**

angled at 14 mm  
0.3 mm anterior port  
half-textured, spatulated tip  
21 gauge / 0.8 mm



**G-32016**

*BRAUWEILER*  
**IRRIGATION HANDPIECE**  
 angled at 12 mm  
 front opening  
 21 gauge / 0.8 mm

**G-32017**

*BRAUWEILER*  
**IRRIGATION HANDPIECE**  
 angled at 13 mm  
 textured 0.8 mm iris retractor and  
 capsule polisher  
 21 gauge / 0.8 mm

**G-32026**

*R. KOCH*  
**ASPIRATION HANDPIECE**  
 0.3 mm aspiration port  
 textured tip  
 19 gauge / 1.1 mm

**G-32028**

*R. KOCH*  
**IRRIGATION HANDPIECE**  
 angled  
 dual 0.75 mm side ports  
 19 gauge / 1.1 mm



**G-32014***R. KOCH***IRRIGATION CHOPPER**

angled

dual 0.75 mm side ports

1 mm angled chopper tip

19 gauge / 1.1 mm

**G-32059***DICK***IRRIGATION CHOPPER**

angled

dual 0.75 mm side ports

1 mm curved chopper tip

19 gauge / 1.1 mm

**G-38601***ALTHAUS / CARTSBURG***IRRIGATION DESCemet HOOK**

hook diameter: 0.25 mm

hook length: 0.6 mm

for Descemetorhexis

rhombic 0.9 x 0.6 mm irrigation tube

overall length 98 mm

**G-38602***THOMAS NEUHANN***IRRIGATION DESCemet SCRAPER**

scraper width: 0.8 mm

scraper length: 0.6 mm

rhombic 0.9 x 0.6 mm irrigation tube

for peripheral scraping of the recipient bed

overall length 94 mm





**G-38631***SZURMAN***DMEK IRRIGATION HANDPIECE**

curved, closed tip  
 side port 0.3 mm  
 tube 23 gauge / 0.6 mm

**G-38632***SZURMAN***DMEK IRRIGATION HANDPIECE**

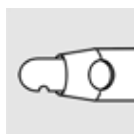
curved, front opening  
 tube 23 gauge / 0.6 mm

**PEP 2.2 MM I/A HANDPIECE**

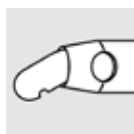
Pure Efficiency Phaco  
 for 2.2 mm incisions  
 0.3 mm aspiration port  
 coaxial I/A straight tip  
 coaxial I/A 30° angled tip

**G-24318****G-24418**

with G-24311 PEP infusion sleeve



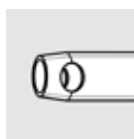
straight  
 G-24318



angled  
 G-24418

**G-24311****PEP 2.2 MM INFUSION SLEEVE**

Pure Efficiency Phaco  
 for 2.2 mm incisions  
 purple translucent silicone

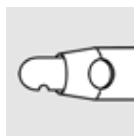


**PEP 2.4 MM I/A HANDPIECE**

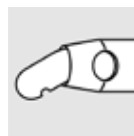
Pure Efficiency Phaco  
for 2.4 mm incisions  
0.3 mm aspiration port  
coaxial I/A straight tip  
coaxial I/A 30° angled tip

**G-24332****G-24432**

with G-24314 PEP infusion sleeve



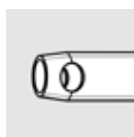
straight  
G-24332



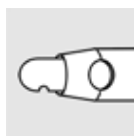
angled  
G-24432

**G-24314****PEP 2.4 MM INFUSION SLEEVE**

Pure Efficiency Phaco  
for 2.4 mm incisions  
green translucent silicone

**G-24330****I/A HANDPIECE**

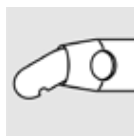
coaxial straight tip  
0.3 mm aspiration port  
with G-24100 infusion sleeve

**I/A HANDPIECE**

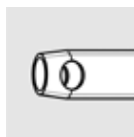
coaxial 30° angled tip  
0.3 mm aspiration port  
0.35 mm aspiration port  
0.4 mm aspiration port

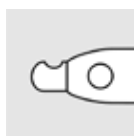
**G-24430****G-24435****G-24440**

with G-24100 infusion sleeve



**G-24100**     **INFUSION SLEEVE**

 blue silicone  
 for I/A handpieces

**G-22525**  
**G-22527**  
**G-22540**  
**G-22542**
*PAPST*  
**I/A HANDPIECE**

 coaxial  
 infusion tube 16 gauge / 1.6 mm  
 aspiration port 0.3 mm, straight  
 aspiration port 0.4 mm, straight  
 aspiration port 0.3 mm, angled 30°  
 aspiration port 0.4 mm, angled 30°

 straight  
 G-22525  
 G-22527

 angled  
 G-22540  
 G-22542

**G-22615**
*PAPST*  
**I/A HANDPIECE**

 coaxial 30° angled tip  
 aspiration port 0.3 mm  
 infusion tube 18 gauge / 1.3 mm

**G-22556**
*HUNOLD*  
**I/A HANDPIECE**

 coaxial, curved  
 aspiration port 0.3 mm  
 infusion tube 18 gauge / 1.3 mm


**G-33045 BACKFLUSH HANDPIECE**

with Luer cone  
overall length 110 mm

**G-31805 BACKFLUSH HANDPIECE**

with silicone chamber and Luer cone  
overall length 110 mm

**G-37002 BACKFLUSH HANDPIECE**

with silicone chamber and  
Luer-Lock connector  
overall length 115 mm

**G-37000 BACKFLUSH HANDPIECE**

with silicone chamber and chuck  
overall length 110 mm



for backflush tips G-37010 up to G-37080

**SILICONE CHAMBER**

for backflush handpieces  
G-31805, G-37000, G-37002

**G-31806**

reusable

**G-34806**

single use, 10 pcs. per box, sterile

**G-37005 BACKFLUSH HANDPIECE**

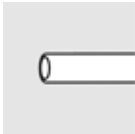




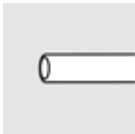
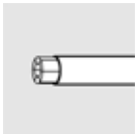

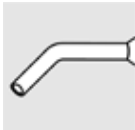

with large silicone chamber  
rotatable chuck

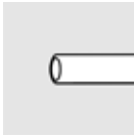

for backflush cannulas G-37010 up to G-37080

**G-37006****SILICONE CHAMBER**

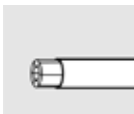

large, for backflush handpiece G-37005

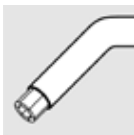



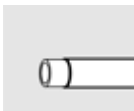

<b>G-33050</b> <b>G-33054</b> <b>G-33053</b>	<b>BACKFLUSH CANNULA</b> 35 mm shaft 20 gauge / 0.9 mm 23 gauge / 0.6 mm 25 gauge / 0.5 mm		
<b>G-33070</b>	<b>BACKFLUSH CANNULA</b> 35 mm shaft 20 gauge / 0.9 mm shaft 25 gauge / 0.5 mm tip 3.5 mm tapered tip		
<b>G-33071</b>	<b>BACKFLUSH CANNULA</b> 35 mm shaft 0.5 mm side port 20 gauge / 0.9 mm		
<b>G-33072</b>	<i>LAQUA</i> <b>BACKFLUSH CANNULA</b> 35 mm shaft inside diameter: 21 gauge / 0.8 mm outside diameter: 19 gauge / 1.1 mm		
<b>G-33073</b>	<i>KAMPIK</i> <b>BACKFLUSH CANNULA</b> 35 mm shaft inside diameter: 22 gauge / 0.7 mm outside diameter: 20 gauge / 0.9 mm		
<b>G-33075</b>	<b>BACKFLUSH CANNULA</b> 35 mm shaft 0.8 mm silicone brush 20 gauge / 0.9 mm		
<b>G-33077</b>	<b>BACKFLUSH CANNULA</b> 20 gauge / 0.9 mm shaft 24 gauge / 0.55 mm tip 7 mm tapered tip, angled at 3.5 mm		

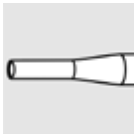

<b>G-37010</b> <b>G-37011</b> <b>G-37012</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	20 gauge / 0.9 mm		
<b>G-37011</b>	23 gauge / 0.6 mm		
	25 gauge / 0.5 mm		

<b>G-37015</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	angled at 3 mm		
	20 gauge / 0.9 mm		

<b>G-37020</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	0.8 mm silicone brush		
	20 gauge / 0.9 mm		

<b>G-37025</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	angled at 6 mm		
	0.8 mm silicone brush		
	20 gauge / 0.9 mm		

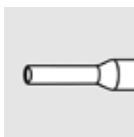
<b>G-37035</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	0.8 mm silicone tip		
	20 gauge / 0.9 mm		

<b>G-37046</b>	<i>KLEIN</i>		
	<b>BACKFLUSH TIP</b>		
	20 gauge / 0.9 mm shaft		
	26 gauge / 0.45 mm tip		
	2 mm tapered tip		
	overall length 35 mm		

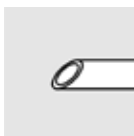
<b>G-37065</b>	<b>BACKFLUSH TIP</b>		
	35 mm shaft		
	20 gauge / 0.9 mm shaft		
	30 gauge / 0.3 mm tip		
	tapered tip, angled at 5 mm		
	oval aspiration port		

**G-37080****BACKFLUSH TIP**

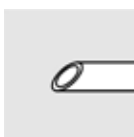
35 mm shaft  
 20 gauge / 0.9 mm shaft  
 23 gauge / 0.6 mm tip  
 2 mm tapered tip  
 overall length 35 mm

**G-33420****INFUSION CANNULA**

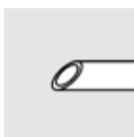
silicone tube 40 cm  
 Luer-Lock metal adapter  
 20 gauge / 0.9 mm  
 beveled, 4.0 mm (single-use G-33463)  
**G-33425** beveled, 5.0 mm  
**G-33430** beveled, 6.0 mm  
**G-33433** beveled, 7.0 mm

**G-33450****INFUSION CANNULA**

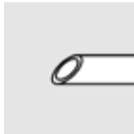
silicone tube 40 cm  
 Luer-Lock plastic adapter  
 20 gauge / 0.9 mm  
 beveled, 4.0 mm  
**G-33451** beveled, 5.0 mm  
**G-33452** beveled, 6.0 mm

**G-33484****INJECTION CANNULA**

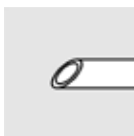
for viscous fluids, without silicone tube  
 for butterfly-19 cannula  
 20 gauge / 0.9 mm  
 beveled, 4.0 mm  
**G-33485** beveled, 5.0 mm  
**G-33486** beveled, 6.0 mm

**G-33494****INJECTION CANNULA**

for viscous fluids, without silicone tube  
 for butterfly-21 cannula  
 20 gauge / 0.9 mm  
 beveled, 4.0 mm  
**G-33495** beveled, 5.0 mm

**G-32180***DUISBURG MODEL***INJECTION CANNULA**

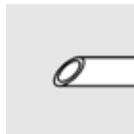
for viscous fluids  
 25 cm silicone tube with 2 metal sleeves  
 and Luer-Lock adapter  
 20 gauge / 0.9 mm  
 beveled, 4.0 mm  
**G-32181** beveled, 5.0 mm  
**G-32182** beveled, 6.0 mm



*HAMBURG MODEL***INJECTION CANNULA**

for viscous fluids  
25 cm silicone tube with metal sleeve  
and Luer-Lock adapter  
3 spare silicone tubes

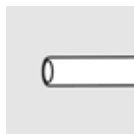
- G-33470** 20 gauge / 0.9 mm, beveled, 4.0 mm  
**G-33471** 20 gauge / 0.9 mm, beveled, 5.0 mm  
**G-33472** 20 gauge / 0.9 mm, beveled, 6.0 mm  
**G-33473** 23 gauge / 0.6 mm, beveled, 4.0 mm  
**G-33474** 23 gauge / 0.6 mm, beveled, 6.0 mm

**G-33475 SPARE SILICONE TUBE**

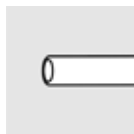
for injection cannulas  
25 cm  
3 pcs. per box

*WEBER***ASPIRATION CANNULA**

for viscous fluids  
inside diameter: 22 gauge / 0.7 mm  
outside diameter: 20 gauge / 0.9 mm  
**G-33051** 5 mm shaft  
**G-33052** 10 mm shaft

**G-37390 ASPIRATION CANNULA**

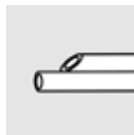
23 gauge / 0.6 mm  
10 mm shaft

**G-33056 ROIDER ASPIRATION CANNULA**

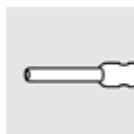
for viscous fluids  
0.7 mm side port  
19 gauge / 1.0 mm

**G-33055 PFCL CANNULA**

with dual shaft  
24 gauge / 0.55 mm  
25 gauge / 0.5 mm, lateral tube

**G-33057 CHANG****PFCL CANNULA**

for injection of heavy fluids  
dual bore, coaxial  
25 gauge / 0.5 mm tip  
20 gauge / 0.9 mm shaft





*HEIDELBERG MODEL***CANNULA**

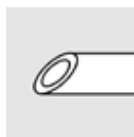
for injection or aspiration of viscous fluids  
 and Densiron® 68, bevel 30°

**G-32699**

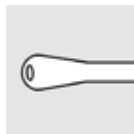
19 gauge / 1.1 mm

**G-32698**

18 gauge / 1.2 mm

**G-33059***BARTZ-SCHMIDT***CANNULA**

for retinal detachment, coaxial,  
 probe tip 0.9 mm, outside diameter  
 of inner tube: 25 gauge / 0.5 mm,  
 20 gauge / 0.9 mm

**STOPPER**

for viscous fluid aspiration  
 with tube connection for single-use syringe

**G-33060**

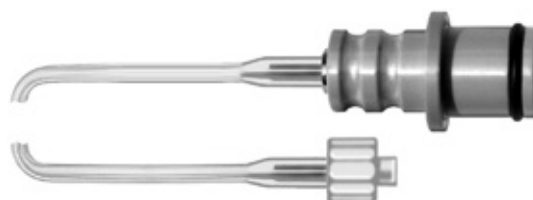
for 5 ml syringe

**G-33065**

for 10 ml syringe

**G-33066**

for 20 ml syringe

**G-32697****PRESSURE TUBE**

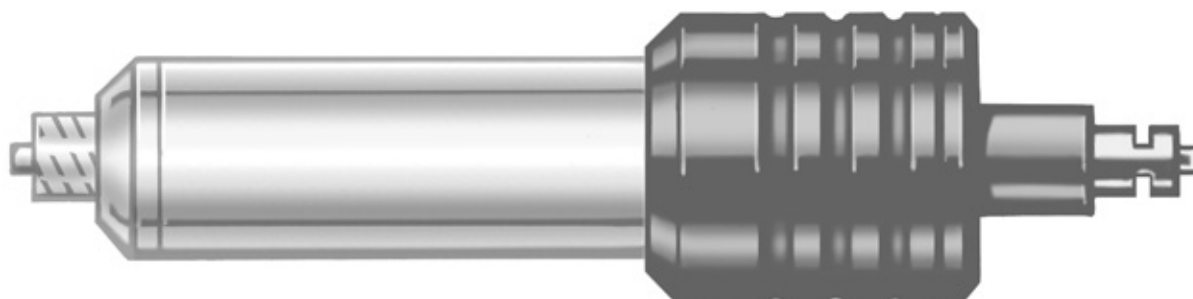
for injection of viscous fluids  
 Luer-Lock female / male  
 reusable

**G-32696****SINGLE-USE PRESSURE TUBE**

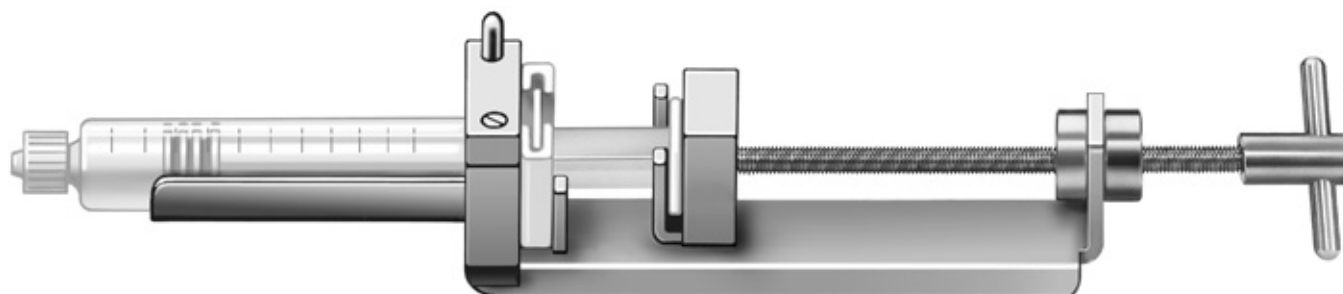
for injection of viscous fluid, Luer-Lock female / male  
 10 pcs. per box, sterile

**G-30745****PRESSURE CONNECTION TUBE**

for MEGATRON S3 / S4 HPS  
 for holder G-28750 and G-28764  
 for pneumatic silicone oil injection  
 length 2 m



**G-28764 ADAPTER**  
with protective cover for glass syringes  
to inject viscous fluid pneumatically



**G-28752 SYRINGE HOLDER**  
for manual injection of  
viscous fluids in glass syringes,  
with clamp and retraction mechanism

**SYRINGE CLIP**  
customized labeling  
for 2 ml syringes  
for 5 ml syringes

**G-19960**  
**G-19961**



**SILICONE BULB**  
with Luer cone  
20 ml  
60 ml

**G-32665**  
**G-32670**



## SINGLE USE INSTRUMENTS



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## NANOEDGE TREPHINES

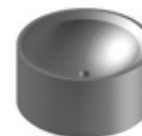
length 16 mm  
sterile, single-use

<b>G-520400</b>	4.00 mm	<b>G-520825</b>	8.25 mm	<b>G-521350</b>	13.50 mm
<b>G-520500</b>	5.00 mm	<b>G-520850</b>	8.50 mm	<b>G-521400</b>	14.00 mm
<b>G-520550</b>	5.50 mm	<b>G-520875</b>	8.75 mm	<b>G-521450</b>	14.50 mm
<b>G-520600</b>	6.00 mm	<b>G-520900</b>	9.00 mm	<b>G-521500</b>	15.00 mm
<b>G-520625</b>	6.25 mm	<b>G-520950</b>	9.50 mm	<b>G-521550</b>	15.50 mm
<b>G-520650</b>	6.50 mm	<b>G-521000</b>	10.00 mm	<b>G-521600</b>	16.00 mm
<b>G-520675</b>	6.75 mm	<b>G-521050</b>	10.50 mm	<b>G-521650</b>	16.50 mm
<b>G-520700</b>	7.00 mm	<b>G-521100</b>	11.00 mm	<b>G-521700</b>	17.00 mm
<b>G-520725</b>	7.25 mm	<b>G-521150</b>	11.50 mm	<b>G-521800</b>	18.00 mm
<b>G-520750</b>	7.50 mm	<b>G-521200</b>	12.00 mm		
<b>G-520775</b>	7.75 mm	<b>G-521250</b>	12.50 mm		
<b>G-520800</b>	8.00 mm	<b>G-521300</b>	13.00 mm		



## G-500001 NANOEDGE SINGLE-USE CORNEAL CUTTING BLOCK

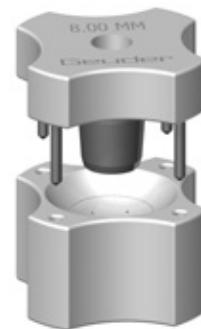
Teflon, sterile  
white-colored  
outside diameter 18.8 mm  
height 9.5 mm



## NANOEDGE TREPHINE PUNCHES

sterile, single-use

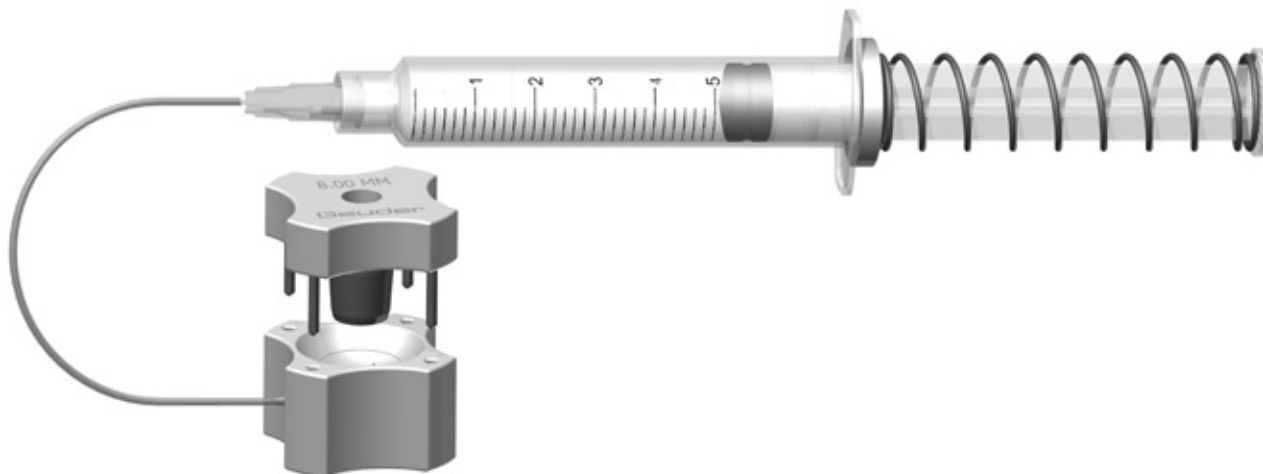
<b>G-540600</b>	6.00 mm	<b>G-540725</b>	7.25 mm	<b>G-540850</b>	8.50 mm
<b>G-540625</b>	6.25 mm	<b>G-540750</b>	7.50 mm	<b>G-540875</b>	8.75 mm
<b>G-540650</b>	6.50 mm	<b>G-540775</b>	7.75 mm	<b>G-540900</b>	9.00 mm
<b>G-540675</b>	6.75 mm	<b>G-540800</b>	8.00 mm	<b>G-540925</b>	9.25 mm
<b>G-540700</b>	7.00 mm	<b>G-540825</b>	8.25 mm	<b>G-540950</b>	9.50 mm



**NANOEDGE VACUUM TREPHINE PUNCHES**

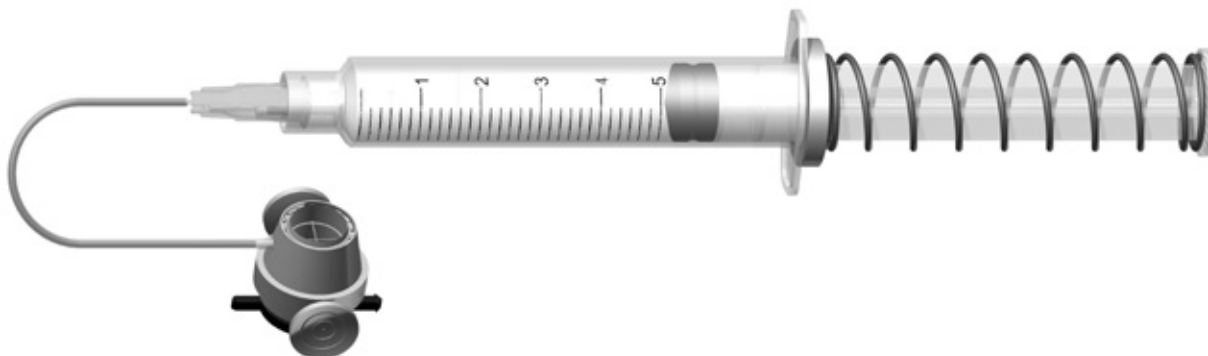
sterile, single-use

<b>G-560600</b>	6.00 mm	<b>G-560725</b>	7.25 mm	<b>G-560850</b>	8.50 mm
<b>G-560625</b>	6.25 mm	<b>G-560750</b>	7.50 mm	<b>G-560875</b>	8.75 mm
<b>G-560650</b>	6.50 mm	<b>G-560775</b>	7.75 mm	<b>G-560900</b>	9.00 mm
<b>G-560675</b>	6.75 mm	<b>G-560800</b>	8.00 mm	<b>G-560925</b>	9.25 mm
<b>G-560700</b>	7.00 mm	<b>G-560825</b>	8.25 mm	<b>G-560950</b>	9.50 mm

**NANOEDGE VACUUM TREPHINE radial**

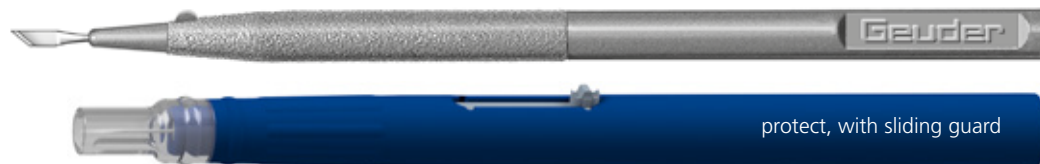
sterile, single-use

<b>G-570600</b>	6.00 mm	<b>G-570750</b>	7.50 mm	<b>G-570850</b>	8.50 mm
<b>G-570650</b>	6.50 mm	<b>G-570775</b>	7.75 mm	<b>G-570875</b>	8.75 mm
<b>G-570700</b>	7.00 mm	<b>G-570800</b>	8.00 mm	<b>G-570900</b>	9.00 mm
<b>G-570725</b>	7.25 mm	<b>G-570825</b>	8.25 mm		



## SINGLE-USE KNIVES FOR OPHTHALMIC SURGERY

6 pcs. per box  
sterile



### NANOEDGE PARACENTESIS KNIFE



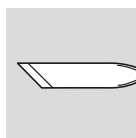
**G-34026** 15°, straight  
**G-34064** 15° protect



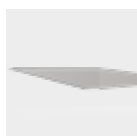
**G-34031** 22,5°, straight



**G-34036** 30°, straight  
**G-34065** 30° protect



**G-34041** 45°, straight

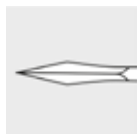


#### NANOEDGE STAB BLADE TIP straight

**G-34042** 15°  
**G-34043** 30°  
**G-34044** 45°



#### NANOEDGE MVR STILETTO straight



	diameter insertable instruments	incision / blade width
<b>G-34176</b>	19 gauge / 1.1 mm	1.4 mm
<b>G-34181</b>	20 gauge / 0.9 mm	1.2 mm
<b>G-34192</b>	23 gauge / 0.6 mm	0.8 mm
<b>G-34198</b>	25 gauge / 0.5 mm	0.7 mm

#### NANOEDGE CORNEAL SIDEPORT KNIFE straight

	incision / blade width
<b>G-34070</b>	1.0 mm
<b>G-34071</b>	1.2 mm

#### NANOEDGE MVR STILETTO angled



	diameter insertable instruments	incision / blade width
<b>G-34177</b>	19 gauge / 1.1 mm	1.4 mm
<b>G-34063</b>	19 gauge / 1.1 mm protect	1.4 mm
<b>G-34191</b>	20 gauge / 0.9 mm	1.2 mm
<b>G-34196</b>	23 gauge / 0.6 mm	0.8 mm
<b>G-34197</b>	25 gauge / 0.5 mm	0.7 mm

#### NANOEDGE CORNEAL SIDEPORT KNIFE angled

	incision / blade width
<b>G-34072</b>	1.0 mm
<b>G-34073</b>	1.2 mm



## NANOEDGE PHACO SLIT KNIFE

angled, double bevel

**G-34050** 1.80 mm

**G-34092** 2.20 mm

**G-34060** 2.20 mm, protect

**G-34094** 2.40 mm

**G-34061** 2.40 mm, protect

**G-34053** 2.50 mm

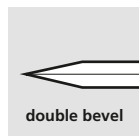
**G-34054** 2.75 mm

**G-34055** 2.85 mm

**G-34062** 2.85 mm, protect

**G-34056** 3.00 mm

**G-34057** 3.20 mm



## NANOEDGE PHACO SLIT KNIFE

angled, bevel up

**G-34058** 2.00 mm

**G-34095** 2.20 mm

**G-34097** 2.40 mm

**G-34091** 2.50 mm

**G-34093** 2.65 mm

**G-34096** 2.75 mm

**G-34098** 2.85 mm

**G-34106** 3.00 mm

**G-34111** 3.20 mm



## NANOEDGE CLEAR CORNEA KNIFE

angled, double bevel

**G-34066** 1.30 mm,  
with indicator

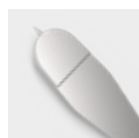
**G-34067** 2.40 mm,  
with indicator

**G-34120** 2.65 mm

**G-34122** 2.75 mm

**G-34124** 2.85 mm

**G-34126** 3.00 mm



## NANOEDGE PRECISION DEPTH KNIFE (LRI) straight

**G-34076** 300 µm

**G-34077** 350 µm

**G-34078** 500 µm

**G-34079** 600 µm



## NANOEDGE CRESCENT KNIFE

angled, bevel up

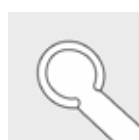
**G-34081** 2.0 mm



## NANOEDGE CRESCENT BLADE TIP

angled, bevel up

**G-34045** 2.0 mm



## NANOEDGE SPOON KNIFE

angled, double bevel

**G-34086** 2.2 mm



## NANOEDGE SCLERAL BLADE

straight

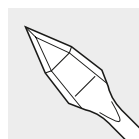
**G-34074** 3.5 – 4.0 mm



## NANOEDGE LAMELLAR BLADE

angled, bevel up

**G-34075** 2.3 mm



## NANOEDGE TRAPEZOID CLEAR CORNEA IMPLANT KNIFE (CCI)

angled, with indicator

**G-34152** 1.5 – 2.0 mm



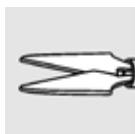
**20G** RED: 20 GAUGE / 0.9 MM

**23G** GREEN: 23 GAUGE / 0.6 MM

**25G** BLUE: 25 GAUGE / 0.5 MM

## SCISSORS

**SINGLE-USE VITREOUS SCISSORS**  
**UNO COLORLINE**  
straight, sterile



**G-42061** 20G, 1 pcs. per box

**G-42361** 23G, 1 pcs. per box

**G-42561** 25G, 1 pcs. per box

**SINGLE-USE VITREOUS SCISSORS**  
**UNO COLORLINE**  
curved, sterile



**G-42362** 23G, 1 pcs. per box

**G-46362** 23G, 6 pcs. per box

**G-42562** 25G, 1 pcs. per box

**G-46562** 25G, 6 pcs. per box

## HANDLES

**HANDLE UNO COLORLINE 20G, 23G, 25G**  
titanium handle for UNO Colorline  
single-use tips

**G-40006** 6 mm diameter

**G-40008** 8 mm diameter



**20G RED: 20 GAUGE / 0.9 MM**

**23G GREEN: 23 GAUGE / 0.6 MM**

**25G BLUE: 25 GAUGE / 0.5 MM**

## FORCEPS

### SINGLE-USE VITREOUS FORCEPS ENDGRIPPING UNO COLORLINE

straight, extra delicate,  
endgripping, sterile



**0.3 mm x 0.1 mm**

**G-42041** 20G, 1 pcs. per box

**G-46041** 20G, 6 pcs. per box

**0.2 mm x 0.05 mm**

**G-42341** 23G, 1 pcs. per box

**G-46341** 23G, 6 pcs. per box

**0.2 mm x 0.05 mm**

**G-42541** 25G, 1 pcs. per box

**G-46541** 25G, 6 pcs. per box

### HATTENBACH

### SINGLE-USE VITREOUS FORCEPS WAVE DESIGN UNO COLORLINE

straight, wave design, sterile



**0.3 mm x 0.5 mm**

**G-42042** 20G, 1 pcs. per box

**G-46042** 20G, 6 pcs. per box

**0.2 mm x 0.5 mm**

**G-42342** 23G, 1 pcs. per box

**G-46342** 23G, 6 pcs. per box

**0.2 mm x 0.5 mm**

**G-42542** 25G, 1 pcs. per box

**G-46542** 25G, 6 pcs. per box

### SINGLE-USE VITREOUS FORCEPS CROCODILE DESIGN UNO COLORLINE

straight, crocodile design, sterile



**0.3 mm x 2.5 mm**

**G-42043** 20G, 1 pcs. per box

**0.2 mm x 1.5 mm**

**G-42343** 23G, 1 pcs. per box

**G-46343** 23G, 6 pcs. per box

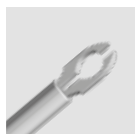
**0.2 mm x 1.5 mm**

**G-42543** 25G, 1 pcs. per box

**G-46543** 25G, 6 pcs. per box

### SINGLE-USE TANO FORCEPS UNO COLORLINE

straight, sterile



**G-42044** 20G, 1 pcs. per box

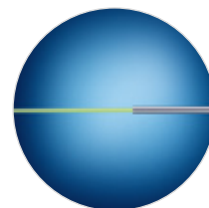
**G-42344** 23G, 1 pcs. per box

**G-42544** 25G, 1 pcs. per box

## STRAIGHT LASER PROBES



**UNO**  
COLORLINE



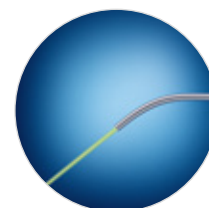
REF	SIZE	TYPE	LASER CONNECTOR
<b>G-61508</b>	20G	straight	Geuder, Zeiss, Alcon
<b>G-61538</b>	23G	straight	Geuder, Zeiss, Alcon
<b>G-61558</b>	25G	straight	Geuder, Zeiss, Alcon
<b>G-61578</b>	27G	straight	Geuder, Zeiss, Alcon
<b>G-61601</b>	20G	straight	Iridex
<b>G-61631</b>	23G	straight	Iridex
<b>G-61651</b>	25G	straight	Iridex
<b>G-61671</b>	27G	straight	Iridex



## CURVED LASER PROBES



**UNO**  
COLORLINE



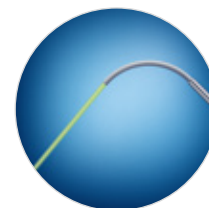
REF	SIZE	TYPE	LASER CONNECTOR
<b>G-61509</b>	20G	curved	Geuder, Zeiss, Alcon
<b>G-61539</b>	23G	curved	Geuder, Zeiss, Alcon
<b>G-61559</b>	25G	curved	Geuder, Zeiss, Alcon
<b>G-61579</b>	27G	curved	Geuder, Zeiss, Alcon
<b>G-61603</b>	20G	curved	Iridex
<b>G-61633</b>	23G	curved	Iridex
<b>G-61653</b>	25G	curved	Iridex
<b>G-61673</b>	27G	curved	Iridex



ENDO PROBES

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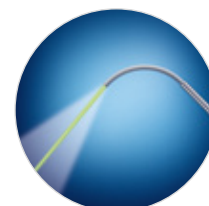
## BENDING LASER PROBES



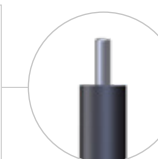
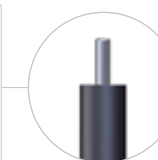
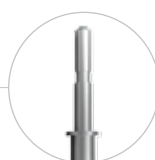
REF	SIZE	TYPE	LASER CONNECTOR
<b>G-61501</b>	20G	bending	Geuder, Zeiss, Alcon
<b>G-61531</b>	23G	bending	Geuder, Zeiss, Alcon
<b>G-61551</b>	25G	bending	Geuder, Zeiss, Alcon
<b>G-61571</b>	27G	bending	Geuder, Zeiss, Alcon
<b>G-61503</b>	20G	bending	Iridex
<b>G-61533</b>	23G	bending	Iridex
<b>G-61553</b>	25G	bending	Iridex
<b>G-61573</b>	27G	bending	Iridex



## ILLUMINATED BENDING LASER PROBES



REF	SIZE	TYPE	LIGHT CONNECTOR	LASER CONNECTOR
<b>G-61505</b>	20G	illumin. bending	Geuder	Geuder, Zeiss, Alcon
<b>G-61535</b>	23G	illumin. bending	Geuder	Geuder, Zeiss, Alcon
<b>G-61555</b>	25G	illumin. bending	Geuder	Geuder, Zeiss, Alcon
<b>G-61575</b>	27G	illumin. bending	Geuder	Geuder, Zeiss, Alcon
<b>G-61506</b>	20G	illumin. bending	Alcon	Geuder, Zeiss, Alcon
<b>G-61536</b>	23G	illumin. bending	Alcon	Geuder, Zeiss, Alcon
<b>G-61556</b>	25G	illumin. bending	Alcon	Geuder, Zeiss, Alcon
<b>G-61576</b>	27G	illumin. bending	Alcon	Geuder, Zeiss, Alcon

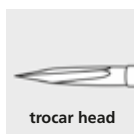
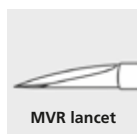


**20G RED: 20 GAUGE / 0.9 MM**
**23G GREEN: 23 GAUGE / 0.6 MM**
**25G BLUE: 25 GAUGE / 0.5 MM**

## TROCAR SYSTEMS

*HATTENBACH / NIKOLIC*

### SINGLE-USE TROCAR SYSTEM ONE-STEP UNO COLORLINE

 3 ports for one-step technique,  
 incl. infusion tubing, sterile

**G-42311** 23G, 1 set per box  
**G-46311** 23G, 6 sets per box

**G-42511** 25G, 1 set per box  
**G-46511** 25G, 6 sets per box

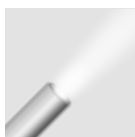
### SINGLE-USE TROCAR PLUGS UNO COLORLINE


**G-42319** 23G, 1 set (3 pcs.) per box

## FIBER OPTICS

### SINGLE-USE FIBER OPTIC S UNO COLORLINE

spot, sterile

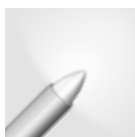

**G-42021** 20G, 1 pcs. per box  
**G-46021** 20G, 6 pcs. per box

**G-42321** 23G, 1 pcs. per box  
**G-46321** 23G, 6 pcs. per box

**G-42521** 25G, 1 pcs. per box  
**G-46521** 25G, 6 pcs. per box

### SINGLE-USE FIBER OPTIC W UNO COLORLINE

wide angle, sterile


**G-42022** 20G, 1 pcs. per box  
**G-46022** 20G, 6 pcs. per box

**G-42322** 23G, 1 pcs. per box  
**G-46322** 23G, 6 pcs. per box

**G-42522** 25G, 1 pcs. per box  
**G-46522** 25G, 6 pcs. per box

**20G RED: 20 GAUGE / 0.9 MM**

**23G GREEN: 23 GAUGE / 0.6 MM**

**25G BLUE: 25 GAUGE / 0.5 MM**

## SINGLE-USE FIBER OPTIC WS UNO COLORLINE

wide angle, shielded, sterile



**G-42023** 20G, 1 pcs. per box  
**G-46023** 20G, 6 pcs. per box

**G-42323** 23G, 1 pcs. per box  
**G-46323** 23G, 6 pcs. per box

**G-42523** 25G, 1 pcs. per box  
**G-46523** 25G, 6 pcs. per box

## VITREOUS CUTTERS

### SINGLE-USE HIGH SPEED VITREOUS CUTTER UNO COLORLINE

pneumatic, with GEUDER safety-connector, sterile



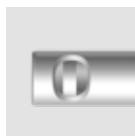
**G-42001** 20G, 1 pcs. per box  
**G-46001** 20G, 6 pcs. per box

**G-42301** 23G, 1 pcs. per box  
**G-46301** 23G, 6 pcs. per box

**G-42501** 25G, 1 pcs. per box  
**G-46501** 25G, 6 pcs. per box

### SINGLE-USE HIGH SPEED VITREOUS CUTTER MACH 2 UNO COLORLINE

Doubleblade, pneumatic, with GEUDER safety-connector, sterile



**G-42002** 20G, 1 pcs. per box  
**G-46002** 20G, 6 pcs. per box

**G-42302** 23G, 1 pcs. per box  
**G-46302** 23G, 6 pcs. per box

**G-42502** 25G, 1 pcs. per box  
**G-46502** 25G, 6 pcs. per box

### SINGLE-USE INFUSION TUBE 20G UNO COLORLINE

for 20 gauge GEUDER  
UNO Colorline vitreous cutters, sterile

**G-42009** 20G, 1 pcs. per box  
**G-46009** 20G, 6 pcs. per box





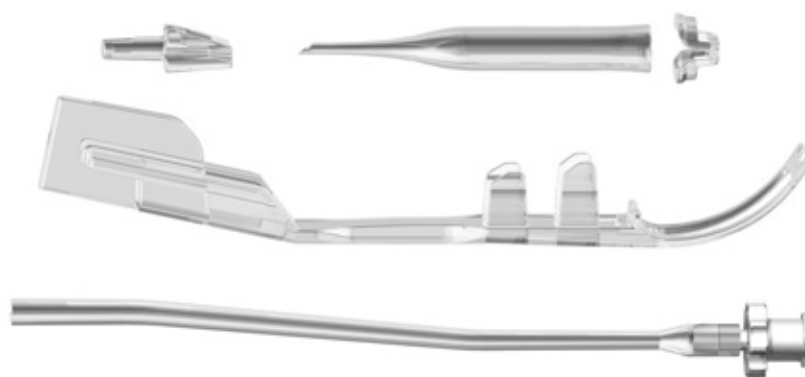
SZURMAN

**SINGLE-USE DMEK-CARTRIDGE**

for Descemet Membrane Endothelial Keratoplasty  
 incl. tube connection for loading  
 the cartridge, sterile

**G-38630** incision 2.8 to 3.0 mm, 14 gauge / 2.0 mm

**G-38635** incision 2.4 to 2.75 mm, 16 gauge / 1.6 mm

**G-38626**

SZURMAN

**DMEK RAPID**

Single-use DMEK transportation cartridge  
 for transportation of prepared  
 Descemet membrane for use in  
 Descemet membrane endothelial  
 keratoplasty (DMEK)  
 incl. cartridge, 2 plugs,  
 transportation holder for cartridge  
 and connection for loading the cartridge  
 6 sets per box, sterile

**G-38611****SINGLE-USE TUBING WITH LUER CONNECTOR**

e.g. for rinsing and staining the  
 Descemet membrane  
 6 pcs. per box, sterile

**G-34523-1****SINGLE-USE IRIS RETRACTOR**

for mechanical dilation of the pupil, flexible  
 6 iris retractors per set, 5 sets per box, sterile

**G-34810****LACRIMAL INTUBATION TUBING**

silicone tubing 35 cm  
 OD 0.6 mm, ID 0.3 mm  
 10 pcs. per box, sterile



**G-34811 LACRIMAL INTUBATION SET**

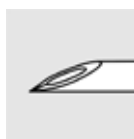
suture with silicone tubing  
0.6 mm  
10 pcs. per box, sterile

**G-34290 SINGLE-USE LACRIMAL CANNULA**

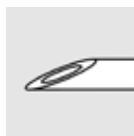
curved 26 gauge / 0.45 x 30 mm  
10 pcs. per box, sterile

**SINGLE-USE RETROBULBAR CANNULA**

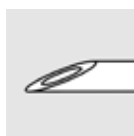
10 pcs. per box, sterile  
25 gauge, 0.5 x 38 mm  
26 gauge, 0.45 x 50 mm

**G-34200****G-34205***ATKINSON***SINGLE-USE RETROBULBAR CANNULA**

10 per box, sterile  
25 gauge, 0.5 x 40 mm  
23 gauge, 0.64 x 38 mm

**G-34210****G-34215****G-34220 SINGLE-USE PERIBULBAR CANNULA**

25 gauge, 0.5 x 32 mm  
10 pcs. per box, sterile

**SINGLE-USE CYSTOTOME CANNULA**

vaulted, 45°  
25 gauge / 0.5 mm  
10 pcs. per box, sterile  
12.5 mm long, side cutting  
12.5 mm long

**G-34225****G-34230****G-34261***LEWICKY***SINGLE-USE A. C. MAINTAINER**

20 gauge / 0.9 mm, tip 5 mm  
3 pcs. per box, sterile



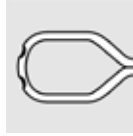


<b>G-34235</b> <b>G-34240</b>	<i>RYCROFT</i> <b>SINGLE-USE A. C. CANNULA</b> angled at 7 mm, 45° 10 pcs. per box, sterile 20 gauge, 0.9 x 5 + 17 mm 25 gauge, 0.5 x 25 mm		
<b>G-34245</b>	<i>SAUTTER</i> <b>SINGLE-USE HYDRODISSECTION CANNULA</b> vertically flattened 27 gauge / 0.4 x 22 mm 10 pcs. per box, sterile		
<b>G-34270</b>	<i>TUEBINGEN MODEL</i> <b>SINGLE-USE HYDRODISSECTION CANNULA</b> 30 gauge / 0.3 x 19.5 mm 10 pcs. per box, sterile		
<b>G-34271</b>	<i>FRANKFURT MODEL</i> <b>SINGLE-USE HYDRODISSECTION CANNULA</b> 27 gauge / 0.4 mm x 15 mm 10 pcs. per box, sterile		
<b>G-34500</b>	<i>SAAD</i> <b>SINGLE-USE UNFOLDING CANNULA</b> for unfolding Descemet membrane in DMEK 1 front port, 4 lateral ports 27 gauge / 0.4 mm 10 pcs. per box, sterile		
<b>G-34501</b>	<b>SINGLE-USE DALK CANNULA</b> for big-bubble technique of deep anterior lamellar keratoplasty (DALK) 27 gauge / 0.4 mm, curved, flattened tip 0.4 mm posterior port 10 pcs. per box, sterile		

**G-34265**

**SINGLE-USE IRRIGATION VECTIS CANNULA**

doube port  
25 gauge / 0.5 mm  
10 pcs. per box, sterile



**G-34255**

*KRATZ*

**SINGLE-USE CAPSULE POLISHING CANNULA**

angled at 9 mm, 45°  
closed tip with sideport, textured  
23 gauge / 0.6 mm  
10 pcs. per box, sterile

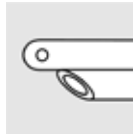


**G-34280**

*SIMCOE*

**SINGLE-USE I/A CANNULA**

0.4 mm diameter aspiration port  
front opening irrigation port  
23 gauge / 0.64 mm  
10 pcs. per box, sterile



**G-15197**

**SINGLE-USE IRRIGATION CANNULA**

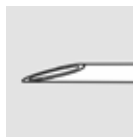
for viscocanalostomy  
26 gauge / 0.45 mm shaft  
35 gauge / 0.21 mm angled tip  
5 mm tapered tube, curved  
5 pcs. per box, sterile



**G-80975**

**SINGLE-USE INJECTION CANNULA**

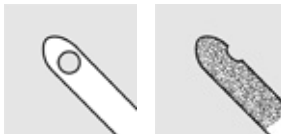
for EasyGas®  
30 gauge / 0.3 x 12 mm  
100 pcs. per box, sterile




**G-34400 SINGLE-USE BIMANUAL I/A HANDPIECE SET**

consisting of:

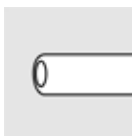
- Irrigation Handpiece, irrigation ports 2 x 0.6 mm
  - Aspiration Handpiece, aspiration port 0.4 mm
  - rough tip tube 21 gauge / 0.8 mm
- 5 pcs. per box, sterile


**G-34289 SINGLE-USE BACKFLUSH HANDPIECE**

 with silicone chamber, Luer-Lock  
 10 pcs. per box, sterile

**G-34806 SINGLE-USE SILICONE CHAMBER**

 for backflush handpieces G-31805,  
 G-37000 and G-37002  
 10 pcs. per box, sterile

**G-34275 SINGLE-USE BACKFLUSH CANNULA**  
 inside diameter 25 gauge / 0.5 mm  
 outside diameter 21 gauge / 0.8 x 35 mm  
 10 pcs. per box, sterile

**SINGLE-USE BACKFLUSH CANNULA**

 blunt tip  
 10 pcs. per box, sterile

**G-34291**

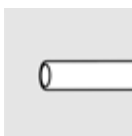
20 gauge / 0.9 mm

**G-34296**

23 gauge / 0.6 mm

**G-34299**

25 gauge / 0.5 mm


**SINGLE-USE BACKFLUSH CANNULA**

 with silicone brush  
 5 pcs. per box, sterile

**G-34293**

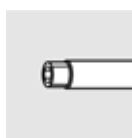
20 gauge / 0.9 mm

**G-34294**

23 gauge / 0.6 mm

**G-34297**

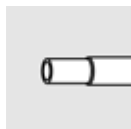
25 gauge / 0.5 mm



**SINGLE-USE BACKFLUSH CANNULA**

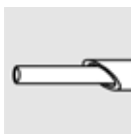
with silicone tip  
 5 pcs. per box, sterile  
 20 gauge / 0.9 mm  
 23 gauge / 0.6 mm  
 25 gauge / 0.5 mm

**G-34292**  
**G-34295**  
**G-34298**

**SINGLE-USE PFCL CANNULA**

for injection of heavy fluids  
 dual bore, coaxial  
 23 gauge / 0.64 mm  
 10 pcs. per box, sterile

**G-34285**

**SINGLE-USE VFI CANNULA FOR OIL I/A**

for silicone oil injection/aspiration  
 polyimide tip 6 mm, thin-walled  
 10 pcs. per box, sterile  
 20 gauge / 0.9 mm  
 23 gauge / 0.6 mm  
 25 gauge / 0.5 mm  
 27 gauge / 0.4 mm

**G-34493**  
**G-34494**  
**G-34495**  
**G-34496**

**SINGLE-USE CANNULA**

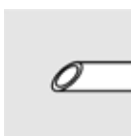
to inject silicone oil  
 10 pcs. per box, sterile  
 20 gauge / 0.9 mm x 8 mm  
 23 gauge / 0.6 mm x 8 mm

**G-34497**  
**G-34498**

**SINGLE-USE INJECTION CANNULA**

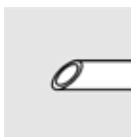
for viscous fluids, self-retaining, 4.0 mm tip  
 with 25 cm PVC tube  
 Luer-Lock plastic adapter  
 20 gauge / 0.9 mm  
 5 pcs. per box, sterile

**G-33482**

**SINGLE-USE INFUSION CANNULA**

self-retaining, 4.0 mm tip  
 with 25 cm silicone tube  
 Luer-Lock plastic adapter  
 20 gauge / 0.9 mm  
 5 pcs. per box, sterile

**G-33463**

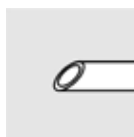


**SINGLE-USE INFUSION CANNULA**

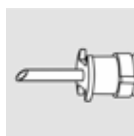
with 25 cm silicone tube  
 Luer-Lock plastic adapter  
 20 gauge / 0.9 mm  
 5 pcs. per box, sterile  
 beveled tip, 4.0 mm  
 beveled tip, 6.0 mm

**G-33468****G-33469****G-33462****SINGLE-USE INFUSION CANNULA**

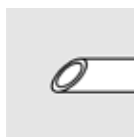
4.0 mm beveled tip  
 with 25 cm PVC tube  
 Luer-Lock plastic adapter  
 25 gauge / 0.5 mm  
 10 pcs. per box, sterile

**SINGLE-USE INJECTION CANNULA**

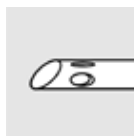
for viscous fluids  
 with 1 metal sleeve, Luer-Lock plastic adapter  
 and 25 cm PVC tube  
 20 gauge / 0.9 mm  
 5 pcs. per box, sterile  
 beveled tip, 4.0 mm  
 beveled tip, 6.0 mm

**G-33488****G-33489****G-34480****SINGLE-USE INJECTION CANNULA**

for viscous fluids  
 4.0 mm beveled tip  
 with 2 metal sleeves, Luer-Lock plastic adapter  
 and 25 cm silicone tube  
 19 gauge / 1.1 mm  
 10 pcs. per box, sterile

**G-34492***KIRCHHOF***SINGLE-USE INJECTION CANNULA**

for gas / viscous fluids  
 5.0 mm beveled tip with 4 infusion side ports  
 2 metal sleeves, Luer-Lock plastic adapter and  
 40 cm silicone tube  
 20 gauge / 0.9 mm  
 10 pcs. per box, sterile

**G-32696****SINGLE-USE PRESSURE TUBE**

for injection of viscous fluid, Luer-Lock female / male  
 10 pcs. per box, sterile



**G-31891** **SINGLE-USE SYRINGE**  
Luer-Lock, 10 ml, sterile



**G-38610** **SINGLE-USE SYRINGE BD EMERALD™**  
Luer slip, 5 ml, sterile  
100 pcs. per box



**G-31520** **SINGLE-USE MINI FILTER**  
0.1 µm, sterile

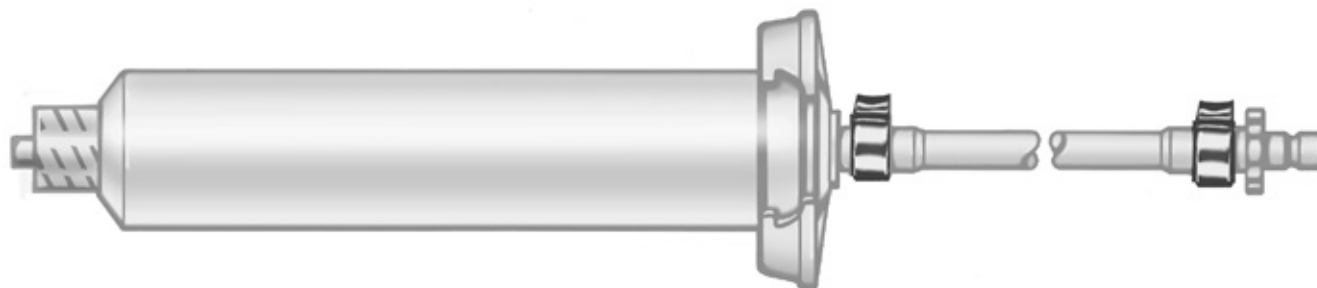


**G-23991** **SINGLE-USE THREE-WAY STOP COCK**  
2x Luer-Lock female, 1x Luer-Lock male  
plastic, sterile

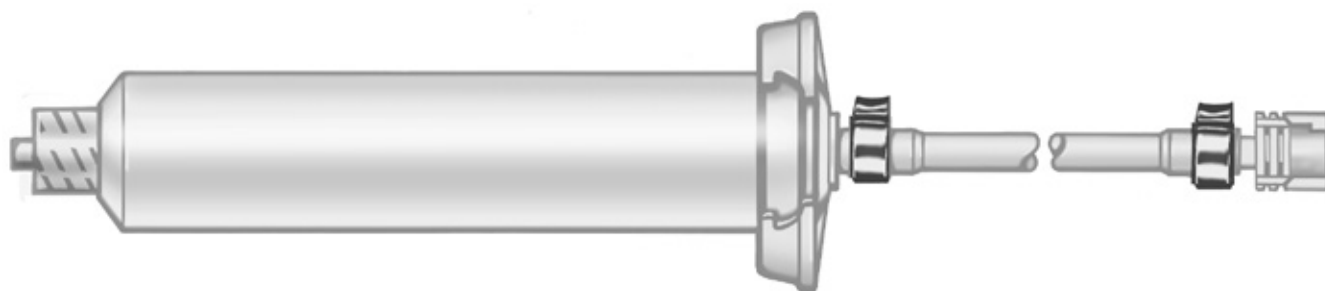


**G-30146** **SINGLE-USE AIR INJECTION TUBE**  
for MEGATRON S3 / S4 HPS  
incl. filter 0.1 µm and 2-way-stopcock  
length 1.9 m  
6 pcs. per box, sterile

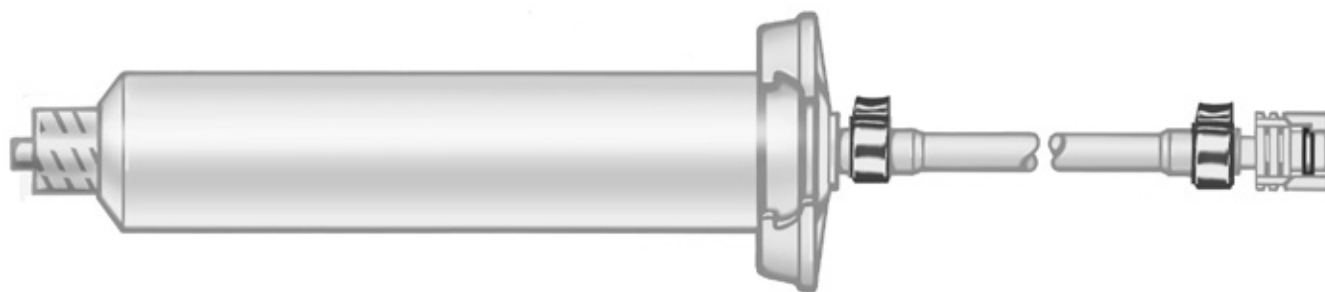




**G-28766**     **SINGLE-USE OIL INJECTION SYSTEM**  
 to inject silicone oil pneumatically,  
 with protective cover for glass syringe,  
 pressure tube fits megaTRON® S3 / S4 HPS and  
 Pentasys® 2, sterile



**G-28767**     **SINGLE-USE OIL INJECTION SYSTEM**  
 to inject silicone oil pneumatically,  
 with protective cover for glass syringe,  
 pressure tube fits megaTRON® and Accurus®, sterile



**G-28768**     **SINGLE-USE OIL INJECTION SYSTEM**  
 to inject silicone oil pneumatically,  
 with protective cover for glass syringe,  
 pressure tube fits Millennium®, sterile

G-19826

**SINGLE USE LOW TEMPERATURE BATTERY  
CAUTERY**

fine tip, 427 °C - 482 °C  
10 pcs. per box, sterile



G-19827

**SINGLE USE HIGH TEMPERATURE BATTERY  
CAUTERY**

fine tip, 704 °C - 1500 °C  
10 pcs. per box, sterile



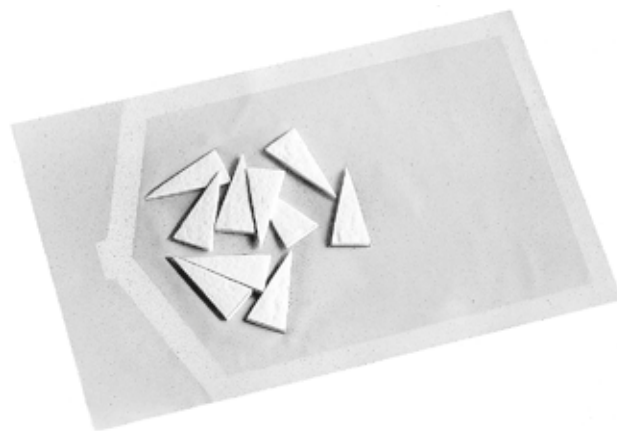
G-32700

**SCALPEL HANDLE**

G-18127

**ABSORBENT SWABS**

17 mm long  
box of 20 pouches  
10 swabs per pouch  
sterile



G-33786

**MARKING PEN**

gentian violet  
dual tip, fine and broad  
to ink corneal instruments  
20 pcs. per box, sterile





**G-34602 276 STYLE SILICONE TIRE, ASYMMETRICAL**

7.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34606 280 STYLE SILICONE TIRE, ASYMMETRICAL**

10.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34608 286 STYLE SILICONE TIRE, CONVEX**

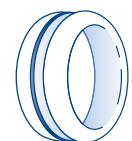
6.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34610 287 STYLE SILICONE TIRE, CONVEX**

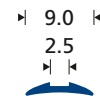
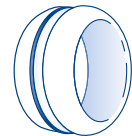
7.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34616 277 STYLE SILICONE TIRE, CONCAVE**

7.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34618 279 STYLE SILICONE TIRE, CONCAVE**

9.0 mm wide  
 2.5 mm groove  
 5 pcs. per box, sterile

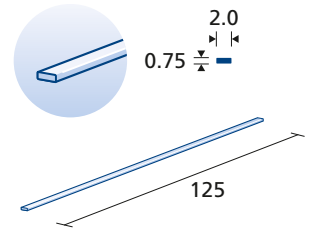


**G-34620****40 STYLE SILICONE CIRCLING BAND**

W 2.0 x H 0.75 x L 125 mm  
5 pcs. per box, sterile

**Suitable sleeves:**

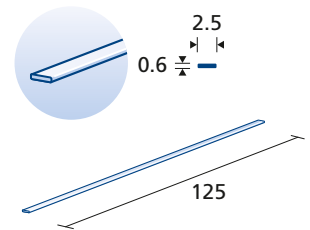
G-34642 (round)  
G-34645 (oval)

**G-34622****240 STYLE SILICONE CIRCLING BAND**

W 2.5 x H 0.6 x L 125 mm  
5 pcs. per box, sterile

**Suitable sleeves:**

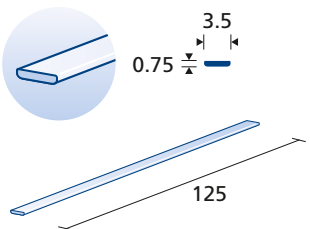
G-34645 (oval)  
G-34646 (round)

**G-34624****41 STYLE SILICONE STRIP**

W 3.5 x H 0.75 x L 125 mm  
5 pcs. per box, sterile

**Suitable sleeves:**

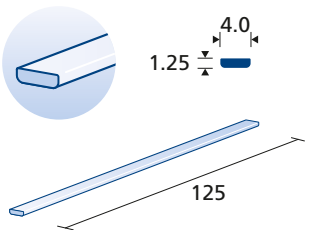
G-34647 (oval) and G-34644 (round)

**G-34626****42 STYLE SILICONE STRIP**

W 4.0 x H 1.25 x L 125 mm  
5 pcs. per box, sterile

**Suitable sleeves:**

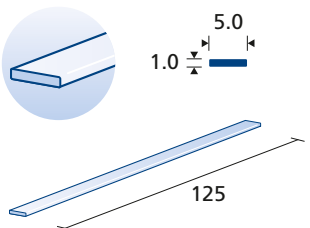
G-34647 (oval) and G-34644 (round)

**G-34628****4050 STYLE SILICONE STRIP**

W 5.0 x H 1.0 x L 125 mm  
5 pcs. per box, sterile

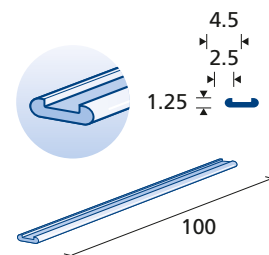
**Suitable sleeves:**

G-34647 (oval) and G-34644 (round)

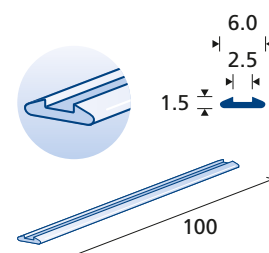


**G-34636 219 STYLE GROOVED SILICONE STRIP**

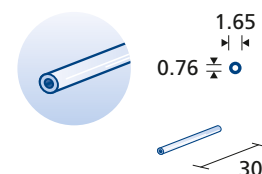
W 4.5 x H 1.25 x L 100 mm  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34638 220 STYLE GROOVED SILICONE STRIP**

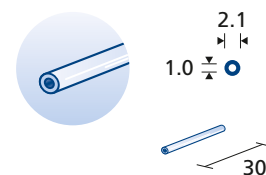
W 6.0 x H 1.5 x L 100 mm  
 2.5 mm groove  
 5 pcs. per box, sterile

**G-34646 270 STYLE SILICONE SLEEVE**

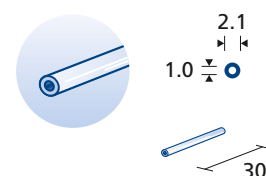
Ø 0.76 mm inside  
 Ø 1.65 mm outside  
 30 mm long  
 5 pcs. per box, sterile

**G-34642 70 STYLE SILICONE SLEEVE**

Ø 1.0 mm inside  
 Ø 2.1 mm outside  
 30 mm long  
 5 pcs. per box, sterile

**G-34644 72 STYLE SILICONE SLEEVE**

Ø 1.5 mm inside  
 Ø 2.4 mm outside  
 30 mm long  
 5 pcs. per box, sterile



G-34645

**3083 STYLE OVAL SILICONE SLEEVE**

Ø 1.5 mm inside  
 Ø 2.5 mm outside  
 5 mm long  
 5 pcs. per box, sterile



2.5  
 1.5

5.0

G-34647

**3084 STYLE OVAL SILICONE SLEEVE**

Ø 1.5 mm inside  
 Ø 3.75 mm outside  
 5 mm long  
 5 pcs. per box, sterile



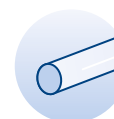
3.75  
 1.5

5.0

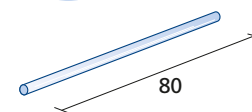
G-34656

**503 STYLE ROUND SILICONE SPONGE IMPLANT**

ø: 3.0 mm  
 80 mm long  
 5 pcs. per box, sterile



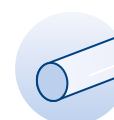
3.0



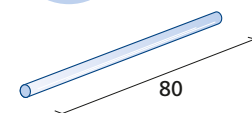
G-34658

**504 STYLE ROUND SILICONE SPONGE IMPLANT**

ø: 4.0 mm  
 80 mm long  
 5 pcs. per box, sterile



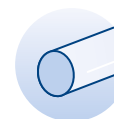
4.0



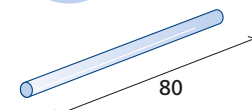
G-34660

**505 STYLE ROUND SILICONE SPONGE IMPLANT**

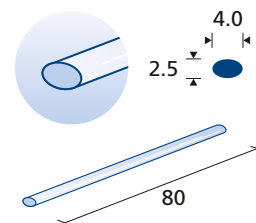
ø: 5.0 mm  
 80 mm long  
 5 pcs. per box, sterile



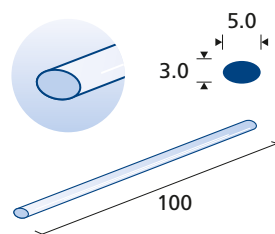
5.0



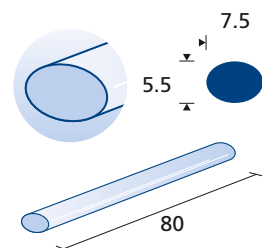
**G-34664**      **501 STYLE OVAL SILICONE SPONGE IMPLANT**  
 W 4.0 x H 2.5 x L 80 mm  
 5 pcs. per box, sterile



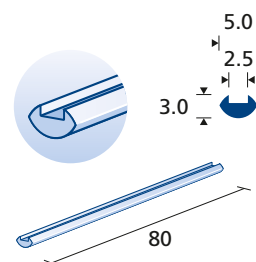
**G-34666**      **506 STYLE OVAL SILICONE SPONGE IMPLANT**  
 W 5.0 x H 3.0 x L 100 mm  
 5 pcs. per box, sterile



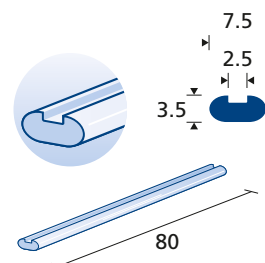
**G-34668**      **507 STYLE OVAL SILICONE SPONGE IMPLANT**  
 W 7.5 x H 5.5 x L 80 mm  
 5 pcs. per box, sterile



**G-34672**      **506G STYLE GROOVED SILICONE SPONGE IMPLANT**  
 2.5 mm groove  
 W 5.0 x H 3.0 x L 80 mm  
 5 pcs. per box, sterile

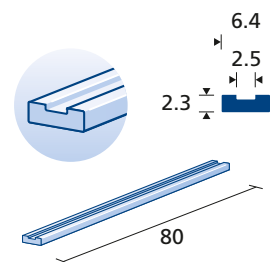


**G-34678**      **509G STYLE GROOVED SILICONE SPONGE IMPLANT**  
 2.5 mm groove  
 W 7.5 x H 3.5 x L 80 mm  
 5 pcs. per box, sterile

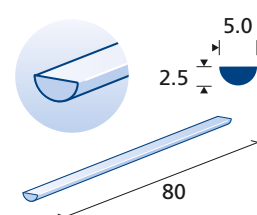


**G-34680 516G STYLE GROOVED SILICONE SPONGE IMPLANT**

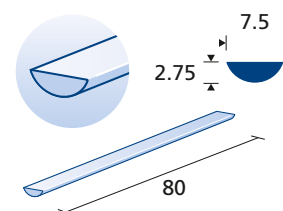
2.5 mm groove  
 W 6.4 x H 2.3 x L 80 mm  
 5 pcs. per box, sterile

**G-34684 510 STYLE SEMI-CIRCULAR SILICONE SPONGE IMPLANT**

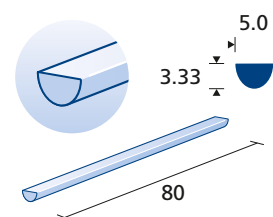
W 5.0 x H 2.5 x L 80 mm  
 5 pcs. per box, sterile

**G-34686 511 STYLE SEMI-OVAL SILICONE SPONGE IMPLANT**

W 7.5 x H 2.75 x L 80 mm  
 5 pcs. per box, sterile

**G-34688 515 STYLE SEMI-OVAL SILICONE SPONGE IMPLANT**

W 5.0 x H 3.33 x L 80 mm  
 5 pcs. per box, sterile



**G-34710****BONN INJECTION SET**

single-use set for intravitreal injection (IVOM)  
consisting of:

- measuring and fixation instrument, 3.5 / 4.0 mm
  - eye speculum
  - irrigation cannula
  - cannula 0.9 x 70 mm
  - syringe 1 ml
  - syringe 10 ml
  - eye drape with pre-cut adhesive incise-film 140 x 140 cm
  - absorbent swab (3x)
  - gauze compress 10 x 10 (2x)
  - protective cover 60 x 60 cm
- 10 pcs. per box, sterile







## MISCELLANEOUS



CAPSULAR TENSION RING INJECTORS / PUPIL DILATORS.....	<b>247</b>
LACRIMAL / DCR.....	<b>248</b>
BONE CHISELS · LASEK TREPHINE · FASCIA NEEDLE.....	<b>249</b>
DIAMOND BURR · VITRECTOMY LENSES.....	<b>250</b>
EYE SHIELD · BATTERY CAUTERY · INTRAOCULAR MAGNET.....	<b>251</b>
DIATHERMY INSTRUMENTS.....	<b>252</b>



**G-32955****INJECTOR**

for capsular tension ring  
shaft diameter 1.2 mm  
for 1.9 mm incisions  
shaft length 30 mm  
overall length 156 mm

**G-32960****INJECTOR**

for *MORCHER* capsular tension ring  
shaft diameter 1.2 mm  
for 1.9 mm incisions  
shaft length 30 mm  
overall length 156 mm

**G-32965****INJECTOR**

for *MORCHER* capsular ring  
shaft diameter 1.6 mm  
for 2.4 - 2.5 mm incisions  
shaft length 30 mm  
overall length 156 mm

**G-32970****INJECTOR**

for *MORCHER* pupil dilator  
overall length 140 mm



**G-31810** *FRIEDMANN*  
**RONGEUR**  
overall length 140 mm



scale 2:3

**G-32355** **NASAL SPECULUM**  
overall length 150 mm



scale 2:3

**G-33125** *MEAD*  
**HAMMER**  
300 g, lead filled  
overall length 190 mm



scale 2:3

**G-18630** *HEIDELBERG MODEL*  
**ELEVATORIUM**  
overall length 143 mm



**G-18620** *HEIDELBERG MODEL*  
**RASPATORY**  
overall length 155 mm





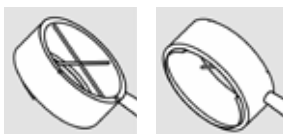
**G-18240** *WEST*  
**BONE CHISEL**  
for lacrimal sac  
flat, 5.0 mm wide  
overall length 160 mm



**G-18245** *WEST*  
**BONE GOUGE**  
for lacrimal sac  
concave, 5.0 mm wide  
overall length 162 mm



**G-33650** **LASEK TREPHINE**  
with crosshairs  
overall length 100 mm  
8.0 mm  
**G-33652** 9.0 mm



**G-33655** *LOHMANN*  
**LASEK FUNNEL**  
with crosshairs  
overall length 100 mm  
8.5 mm  
**G-33657** 9.5 mm



**G-32313** *WRIGHT*  
**FASCIA NEEDLE**  
overall length 115 mm





<b>G-18300</b>	<b>DIAMOND BURR</b> top, inside, outside coat 8.0 mm
<b>G-18301</b>	9.0 mm
<b>G-18302</b>	10.0 mm

<b>G-36000</b>	<i>KILP</i> <b>LENS</b> 60 D flat, field of vision 20°, silicone ring central posterior pole and central vitreous body
----------------	---------------------------------------------------------------------------------------------------------------------------------



<b>G-36010</b>	<i>LANDERS</i> <b>LENS</b> 93 D, biconcave with silicone ring clear view of fundus in air-filled phakic eye
----------------	----------------------------------------------------------------------------------------------------------------------



<b>G-36015</b>	<i>MACHEMER</i> <b>LENS</b> with silicone ring to magnify structures in vitreous cavity or on retinal surface
----------------	------------------------------------------------------------------------------------------------------------------------



<b>G-36020</b>	<i>PEYMAN</i> <b>LENS</b> wide field of vision 30°, with silicone ring for central fundus and central vitreous body
----------------	------------------------------------------------------------------------------------------------------------------------------



<b>G-36025</b>	<i>TOLENTINO</i> <b>LENS</b> prism 20° with silicone ring posterior peripheral fundus and posterior peripheral vitreous body
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<b>G-36030</b>	<i>TOLENTINO</i> <b>LENS</b> prism 30° with silicone ring peripheral viewing beyond the equator
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<b>G-36045</b>	<b>SILICONE REPLACEMENT RING</b> for <i>KILP</i> lens G-36000
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- G-36050**      **SILICONE REPLACEMENT RING**  
for lenses from G-36010 to G-36035



- G-36065**      **LENS HANDLE RING**  
for lenses without silicone ring  
to suture on to sclera  
for G-36000



- G-31105**      **EYESHIELD**  
plastic, transparent for use on both eyes  
100 pcs. per bag



- G-19826**      **SINGLE USE LOW TEMPERATURE BATTERY CAUTERY**  
fine tip, 427 °C - 482 °C  
10 pcs. per box, sterile



- G-19827**      **SINGLE USE HIGH TEMPERATURE BATTERY CAUTERY**  
fine tip, 704 °C - 1500 °C  
10 pcs. per box, sterile



- G-31900**      *KUHN*  
**INTRAOCULAR MAGNET**  
30 mm shaft, 1.9 mm outside diameter  
4 mm magnetic tip  
overall length 90 mm



**G-31215** **BIPOLAR FORCEPS**  
straight, 100 mm  
(sterilizable in autoclave only)



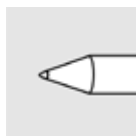
**G-31216** **BIPOLAR FORCEPS**  
angled, 100 mm  
(sterilizable in autoclave only)



**G-31218** **BIPOLAR HANDPIECE**  
diameter 1.1 mm  
**G-31219** diameter 0.9 mm



**G-25030** **INTRAOCULAR**  
**DIATHERMY PROBE**  
20 gauge / 0.9 mm  
**G-25032** 23 gauge / 0.64 mm  
**G-25034** 25 gauge / 0.5 mm

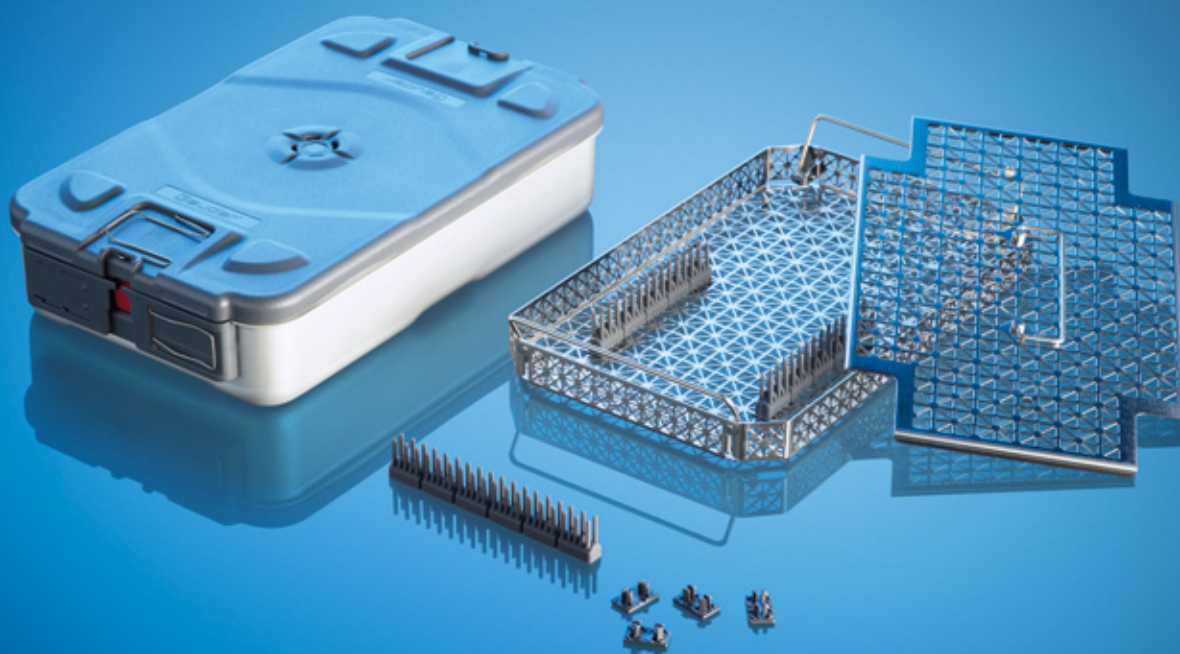


**G-28220** **DIATHERMY**  
**CONNECTION CABLE**





## STERILIZATION CONTAINERS AND ADAPTERS



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TRAYS AND RACKS FOR STEEL CASES .....	<b>258</b>
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**G-39745****MICROSTOP®****STERILIZATION CONTAINER LOW**

for one tray

outside dimensions: 310 x 189 x 70 mm

inside dimensions: 283 x 177 x 50 mm

**G-39750****MICROSTOP®****STERILIZATION CONTAINER HIGH**

for two trays

outside dimensions: 310 x 189 x 90 mm

inside dimensions: 283 x 177 x 70 mm

**MICROSTOP®****STERILIZATION TRAY MINI**

29 mm, low

size: 277 x 172 x 29 mm

**G-39783**

without lid

**G-39786**

with lid

**MICROSTOP®****STERILIZATION TRAY MINI**

38 mm, high

size: 277 x 172 x 38 mm

**G-39785**

without lid

**G-39784**

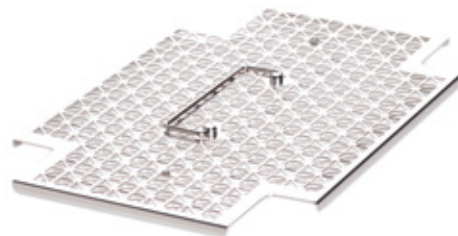
with lid



MICROSTOP®

18

**G-39787**      **MICROSTOP®**  
**STERILIZATION TRAY LID MINI**  
 size: 277 x 172 mm  
 for G-39783 and G-39785



**G-39782**      **MICROSTOP®**  
**RETAINER ELEMENT**  
 for MICROSTOP® tray mini  
 nap Style, 120 mm  
 separable into 6 single elements  
**G-39789**      29 mm, low  
 38 mm, high



**G-39788**      **MICROSTOP®**  
**CLIP FOR RETAINER ELEMENTS**  
 G-39782 and G-39789  
 10 pcs. per bag



**G-39791**      **MICROSTOP®**  
**ID LABEL**  
 for tray, aluminium  
 customized labeling  
 silver-colored



**G-39741**      **MICROSTOP®**  
**LABEL**  
 for lid, customized labeling



**G-39746**      **MICROSTOP®**  
**ID LABEL**  
 for front, customized labeling

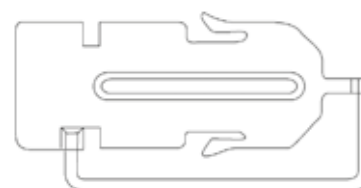


**MICROSTOP®  
LOGISTIC FRAME**  
 for lid to use with labels

- G-39753** color: red  
**G-39754** color: blue  
**G-39755** color: green



- G-39762** **MICROSTOP®  
SEAL**  
 with indicator  
 1000 pcs. per box



- G-39764** **MICROSTOP®  
TAG**  
 with indicator  
 1000 pcs. per box



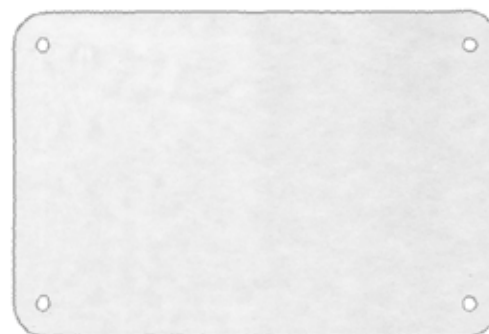
- G-31649** **INDICATOR**  
 for steam sterilization, slim  
 1000 pcs. per box


**PERMANENT TEXTILE FILTER**

- for steam sterilization cases  
 for G-19822, G-19823  
**G-31650** for G-19841, G-19842, G-19843, G-19876, G-28150, G-28151  
**G-31651** for G-19841, G-19842, G-19843, G-19876, G-28150, G-28151  
**G-31652** 6 perforations, for G-19877, G-19892, G-19894  
**G-31656** for G-19877  
**G-31661** for G-19890



- G-31655** **PAPER FILTER**  
 for steam sterilization cases  
 G-19841, G-19842, G-19843,  
 G-19851, G-19856, G-19876,  
 G-28150, G-28151  
 100 pcs. per box



**G-32675**

**SILICONE TRAY**

with bottom  
outside dimensions: 160 x 85 x 20 mm



**G-32660**

**STERILIZATION RACK**

for 12 cannulas, silicone  
outside dimensions: 85 x 56 x 8 mm



**G-19870**

**STERILIZATION RACK**

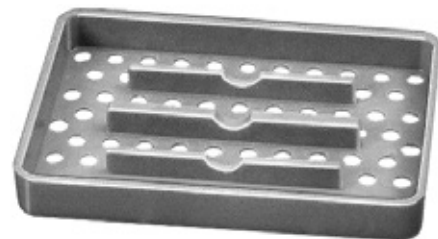
for 10 instruments with handle, silicone  
outside dimensions: 160 x 85 x 20 mm



**G-32785**

**SILICONE PERFORATED TRAY**

outside dimensions: 194 x 135 x 24 mm



**G-32676**      **SILICONE NAP STRIP BLUE**  
 340 x 30 mm



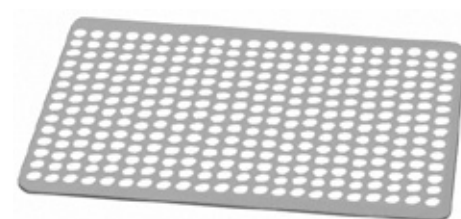
**G-32677**      **SILICONE STRIP BLUE**  
 350 mm long



**G-19866**      **SILICONE BURL MAT**  
 perforated  
 240 x 230 mm  
**G-19865**      300 x 150 mm  
**G-19867**      470 x 245 mm



**G-19899**      **SILICONE PLATE**  
 perforated, 270 x 185 mm  
 for hot air sterilization cases  
 G-19841, G-19842,  
 G-19846, G-19847



**G-31657**      **SAFETY SEAL**  
 for steam sterilization cases  
 100 pcs. per box



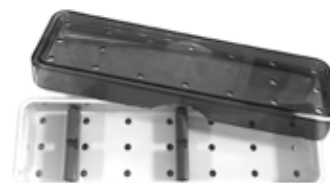
**G-31659**      **SEAL**  
 for hot-air sterilization cases  
 100 pcs. per box



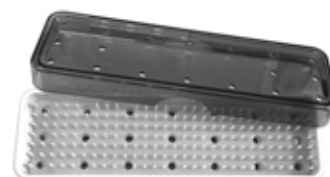
**G-32695**      **SILICONE CLOSURE**  
17 cm long



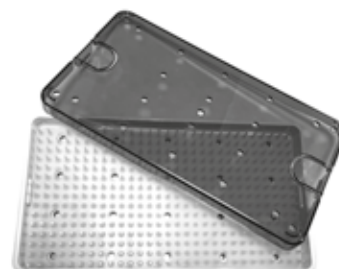
**G-33100**      **STERILIZATION CASE**  
for 1 vitreoretinal instrument or diamond knife  
plastic, with 2 bridges (steam sterilization)  
outside dimensions: 195 x 60 x 25 mm



**G-33101**      **STERILIZATION CASE**  
for 1 vitreoretinal instrument  
plastic, with burl mat (steam sterilization)  
outside dimensions: 195 x 60 x 25 mm



**G-33102**      **STERILIZATION CASE**  
for 4-5 instruments  
plastic, with burl mat (steam sterilization)  
outside dimensions: 200 x 110 x 28 mm





**G-39527****STERISAFE® DURO A4 PLUS**

container for steam, gas (EO, FO) and plasma sterilization, without trays and strips  
 outside dimensions: 290 x 190 x 70 mm  
 inside dimensions: 265 x 165 x 60 mm

**G-39526****STERISAFE® DURO A4 PLUS COMPLETE SET**

container for steam, gas (EO, FO) and plasma sterilization, including:  
 1 x Sterisafe® wire basket A4-30  
 5 x Sterisafe® silicone retainer strips 230 mm  
 1 x Sterisafe® metal tray A4-30  
 outside dimensions: 290 x 190 x 70 mm  
 inside dimensions: 265 x 165 x 60 mm

**G-39525****STERISAFE® DURO A4**

container for steam, gas (EO, FO) and plasma sterilization  
 outside dimensions: 290 x 190 x 60 mm  
 inside dimensions: 265 x 165 x 49 mm

**G-39528****STERISAFE® DURO A6**

container for steam, gas (EO, FO) and plasma sterilization  
 outside dimensions: 190 x 110 x 60 mm  
 inside dimensions: 165 x 92 x 49 mm

**G-39543****STERISAFE® DURO WIRE BASKET A4-30**

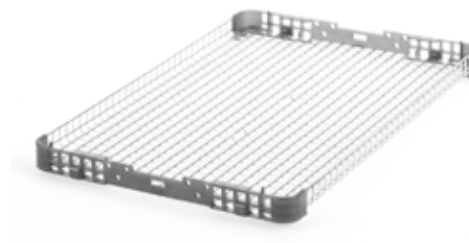
outside dimensions: 260 x 163 x 30 mm  
 inside dimensions: 249 x 157 x 23 mm



**G-39541 STERISAFE® DURO METAL TRAY A4-15**

outside dimensions: 260 x 163 x 15 mm

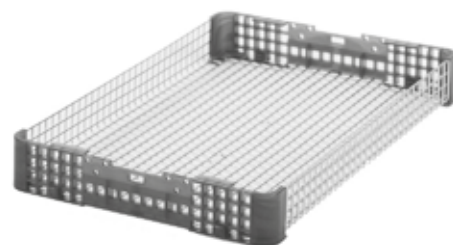
inside dimensions: 249 x 157 x 11 mm



**G-39542 STERISAFE® DURO METAL TRAY A4-30**

outside dimensions: 260 x 163 x 30 mm

inside dimensions: 249 x 157 x 26 mm



**G-39549 STERISAFE® DURO WIRE BASKET A6-30**

outside dimensions: 162 x 90 x 30 mm

inside dimensions: 156 x 80 x 23 mm



**G-39548 STERISAFE® DURO METAL TRAY A6-15**

outside dimensions: 162 x 90 x 15 mm

inside dimensions: 156 x 80 x 11 mm



**G-39545 STERISAFE® SILICONE RETAINER STRIP 75**

for Sterisafe® DURO A4 and A6

length: 75 mm



**G-39546**      **STERISAFE® SILICONE RETAINER STRIP 145**  
for Sterisafe® DURO A4 and A6  
length: 145 mm



**G-39547**      **STERISAFE® SILICONE RETAINER STRIP 230**  
for Sterisafe® DURO A4 and A6  
length: 230 mm



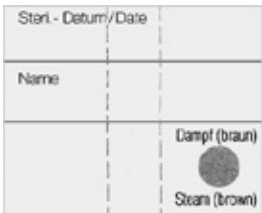
**G-39501**      **STERISAFE® FILTER**  
A4 10 pcs. per box  
**G-39511**      A6 10 pcs. per box



**G-39530**      **STERISAFE® FILTER TAG EXPIRATION DATE**  
10 pcs. per box



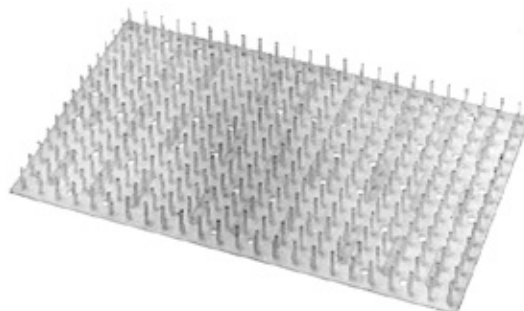
**G-39535**      **SEAL / LABEL**  
seal with color indicator and blank label  
2000 pcs. per box



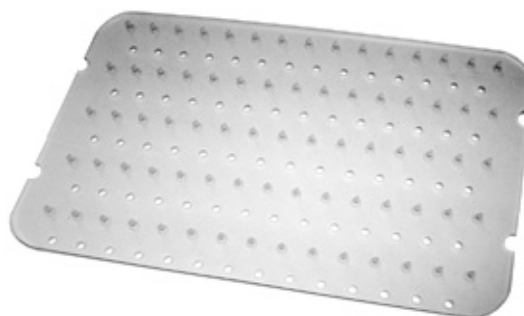
**G-39540**      **SECURITY SEAL**  
100 pcs. per box



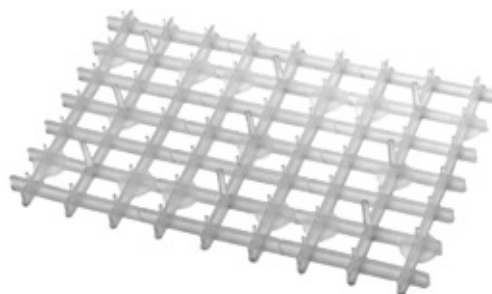
**G-39502** **STERISAFE® SILICONE BURL MAT**  
A4  
**G-39512** A6



**G-39506** **STERISAFE® SILICONE BURL MAT**  
for metal grid insert  
A4



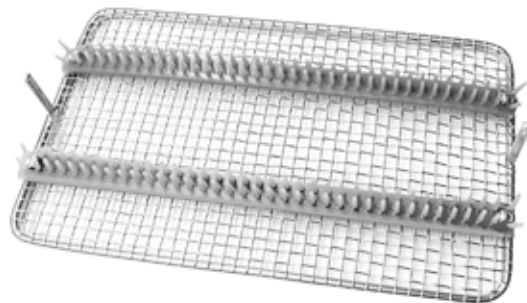
**G-39503** **STERISAFE® SILICONE GRID INSERT**  
A4  
**G-39513** A6

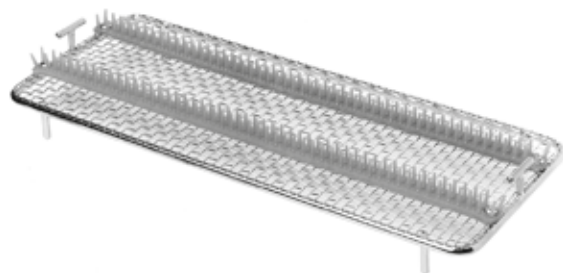


**G-39514** **STERISAFE® METAL GRID INSERT**  
A6



**G-39505 STERISAFE® METAL GRID INSERT**

 with 2 silicone burl strips  
 A4

**G-31670 MELAG METAL GRID INSERT**

 with 2 silicone nap strips  
 outside dimensions: 370 x 147 x 50 mm  
 for MELAG sterilizing case

**G-39544 RINSING ADAPTER FOR WIRE BASKETS**

 including 4 silicone tubings  
 - 2 male Luer adapters  
 - 2 female Luer-Lock adapters  
 and 2 screws

**G-39557 SILICONE TUBINGS FOR G-39544**

 Set of 4 pcs.  
 - 2 male Luer adapters  
 - 2 female Luer-Lock adapters  
 10 sets per box


**G-31028**      **CLEANING ADAPTER**  
for ultrasonic handpieces (irrigation connector)  
Luer female / male



**G-31029**      **CLEANING ADAPTER**  
for ultrasonic handpieces (aspiration connector)  
Luer female / female



**G-31021**      **CLEANING ADAPTER**  
for ultrasonic tips



**G-31013**      **CLEANING ADAPTER**  
for *HATTENBACH* 25 gauge hybrid instruments  
(G-32944, G-32947 and G-32948)

**G-22636**      **ADAPTER**  
for *PAPST* I/A handpiece  
light model



**G-31025**      **CLEANING ADAPTER**  
metal  
for cleaning I/A handpieces  
Luer-Lock female / female



**G-31026**      **CLEANING ADAPTER**  
plastic  
for cleaning I/A handpieces  
Luer-Lock female / female



**G-31016**      **CLEANING ADAPTER**  
 for diamond knives, small



**G-31017**      **CLEANING ADAPTER**  
 for diamond knives, large



**G-31022**      **CLEANING ADAPTER**  
 for G-37010 - G-37080



**G-31031**      **CLEANING ADAPTER**  
 for aspiration handpiece G-37100 and G-37105  
 Luer-Lock female / silicone tube  
 2.1 x 1.0 mm



**G-31018**      **CLEANING ADAPTER**  
 for PFCL cannula G-33055  
 Luer-Lock female / silicone tube



**G-31024**      **CLEANING ADAPTER**  
 for eye specula with aspiration



**G-31023**      **CLEANING ADAPTER**  
 for lacrimal cannulas with handle  
 and lateral aspiration port 0.40 mm  
 G-33141 and G-33142



**G-31027**      **CLEANING ADAPTER**  
 for *JUENEMANN* probes





**G-31034**      **CLEANING ADAPTER**  
for foreign body instruments G-14530, G-14540, G-14550  
Luer-Lock female

**G-31014**      **CLEANING ADAPTER**  
for cannulas G-33057 and G-33059  
Luer-Lock female



**G-36604**      **CLEANING ADAPTER**  
for rotatable and interchangeable tips

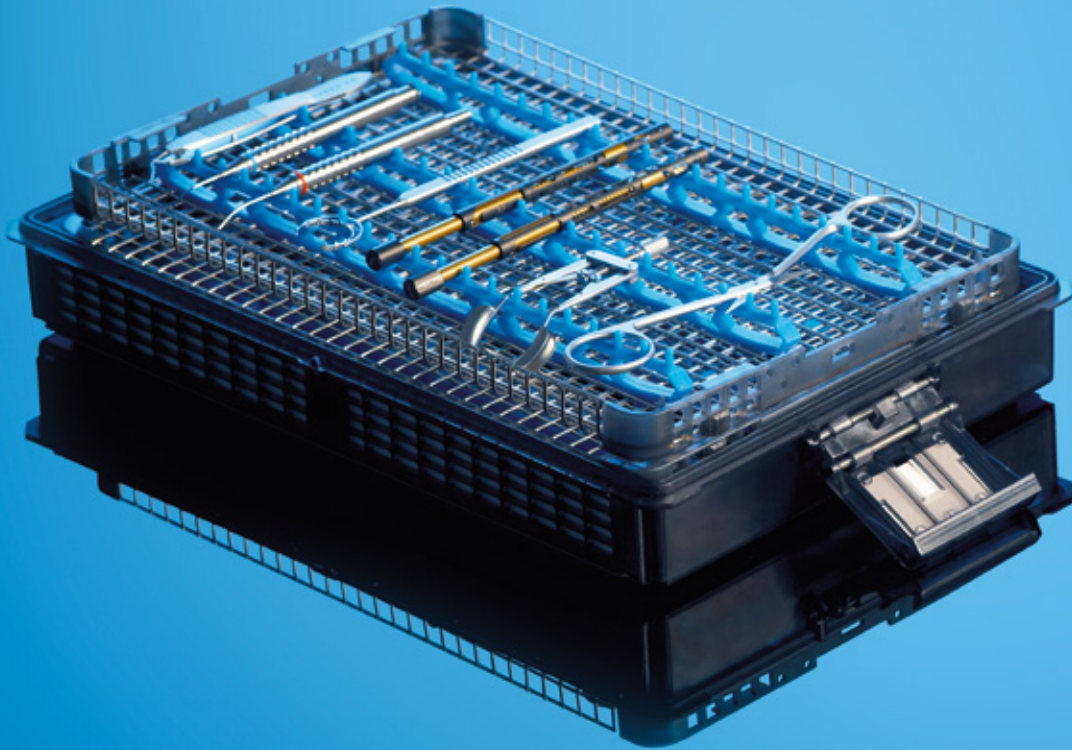


PLEASE READ YOUR INSTRUMENT'S  
CLEANING INSTRUCTIONS OR ASK  
YOUR LOCAL SALES REPRESENTATIVE  
FOR THE RIGHT CLEANING ADAPTER.



# 19

SETS



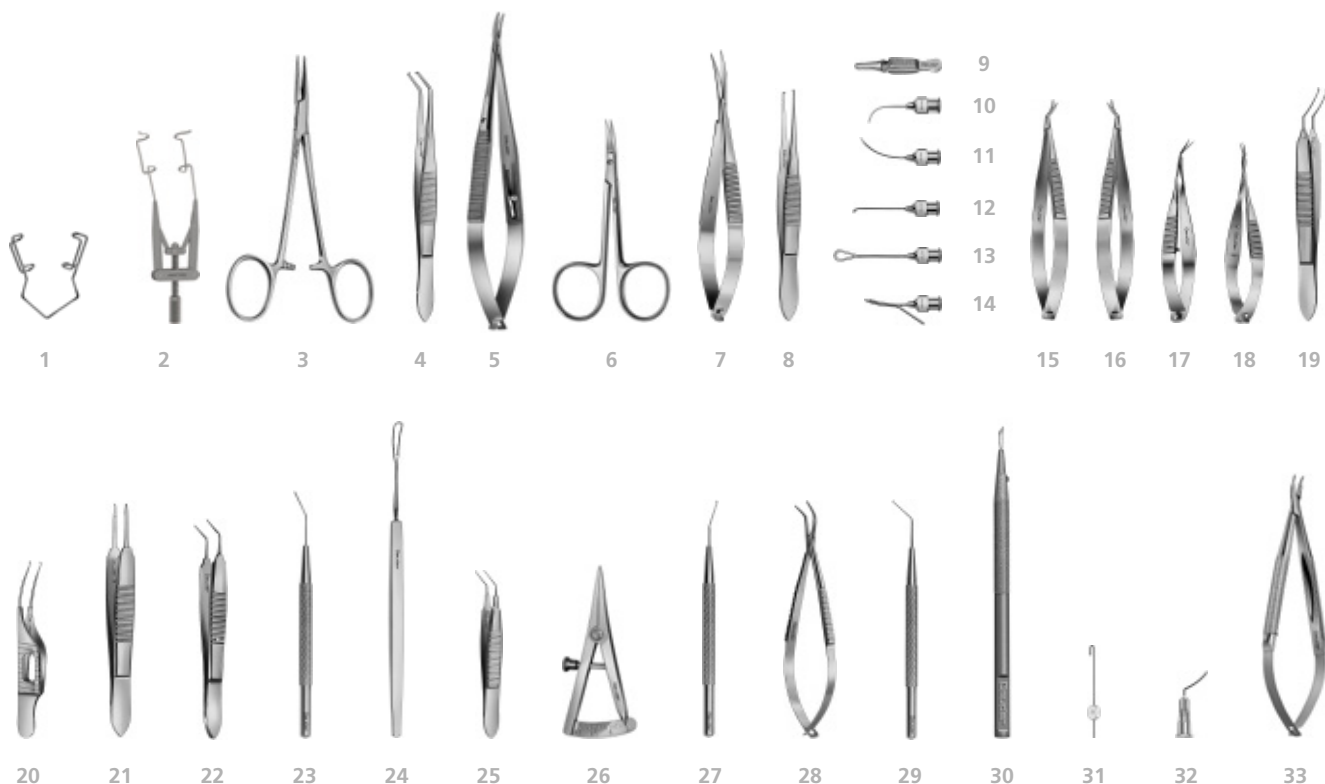
**Geuder®**  
Precision made in Germany



## CONTENT SETS

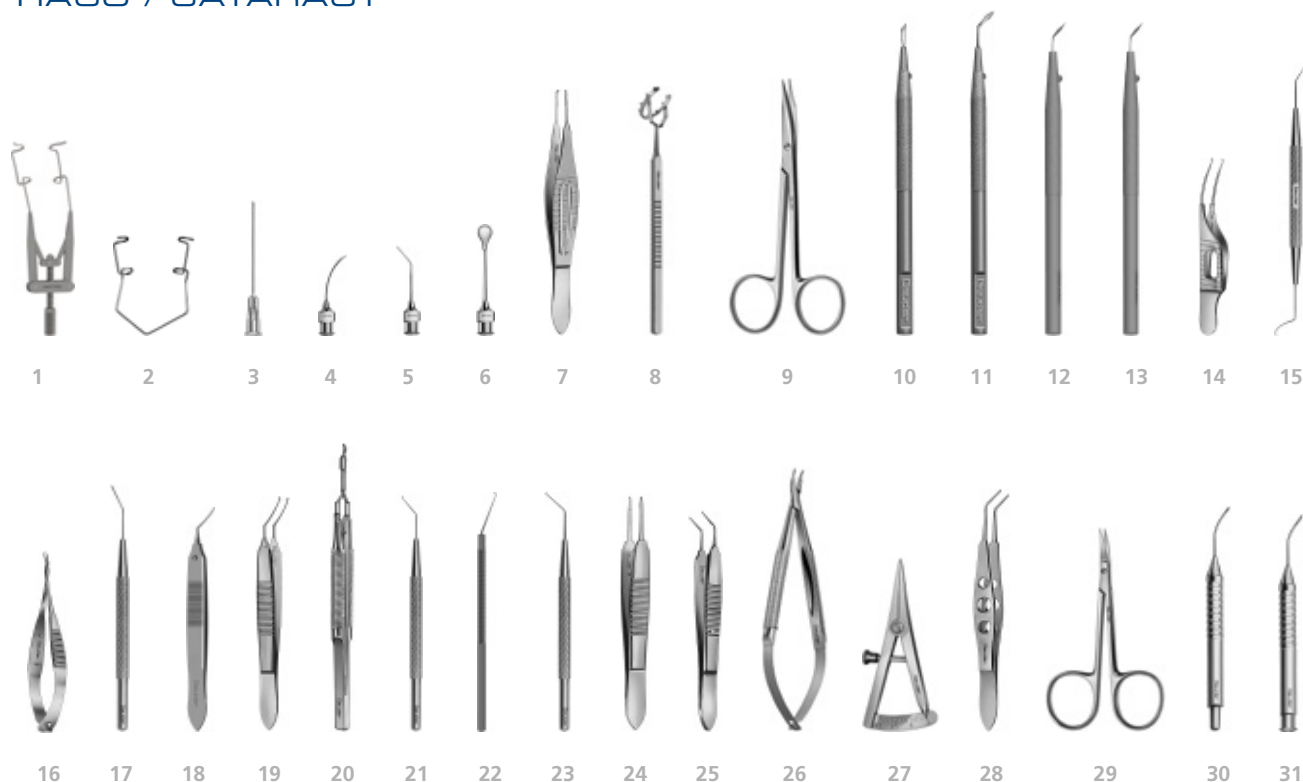
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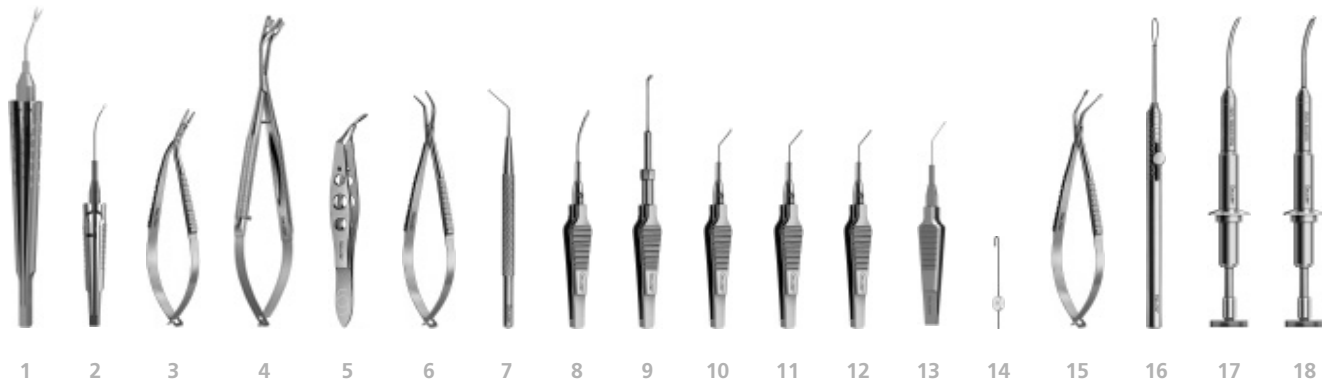
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6	<b>G-19400</b> <i>BONN EYE SCISSORS</i> curved, delicate.....	92	25	<b>G-18910</b> <i>BONN IRIS FORCEPS</i> angled, 8.0 mm, 1 x 2 teeth....	110
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13	<b>G-16115</b> <b>IRRIGATION VECTIS CANNULA</b> .....	195	32	<b>G-34225</b> <b>SINGLE-USE CYSTOTOME CANNULA</b> .....	228
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19	<b>G-31305</b> <b>CAPSULORHEXIS FORCEPS</b> extra delicate.....	114			

## PHACO / CATARACT



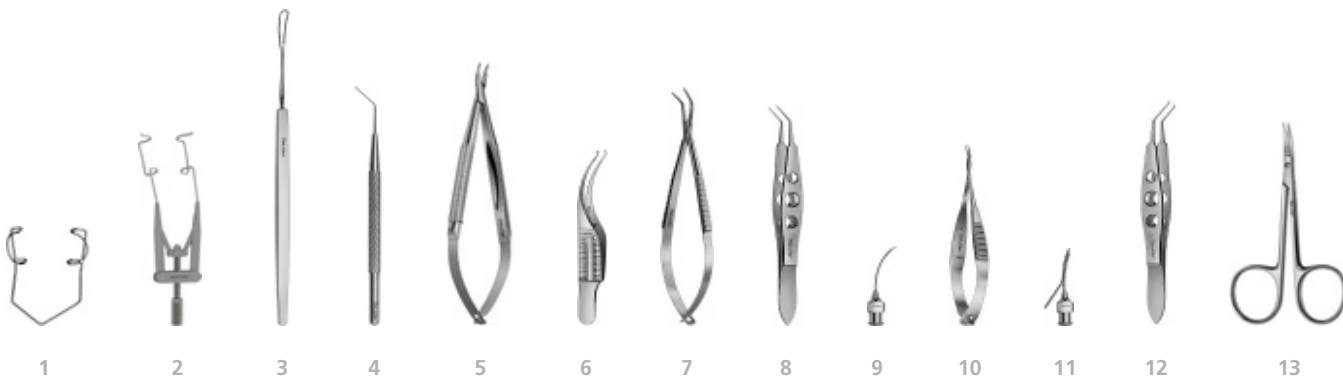
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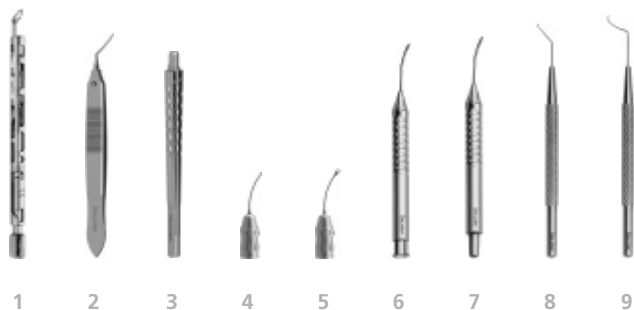
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1 <b>G-32996</b> SNYDER-OSHER IOL SCISSORS 18G/1.2mm, long.....	88	11 <b>G-32947</b> HATTENBACH HYBRID TYING FORCEPS 25G.....	108
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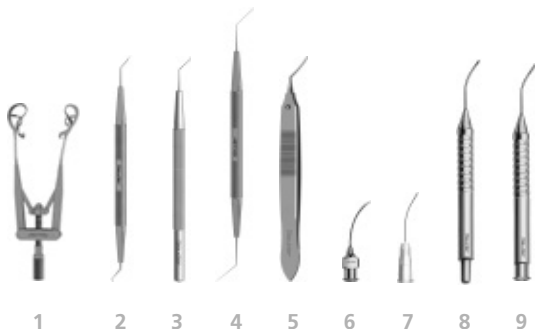
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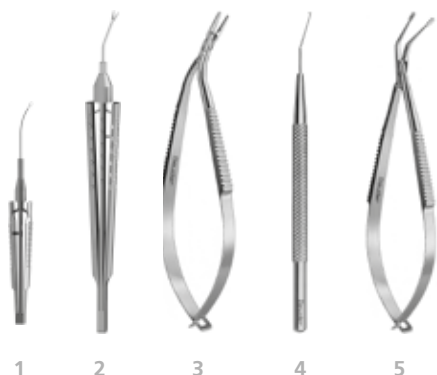
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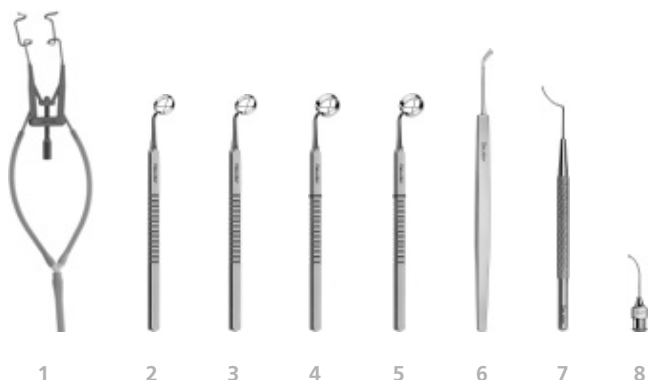
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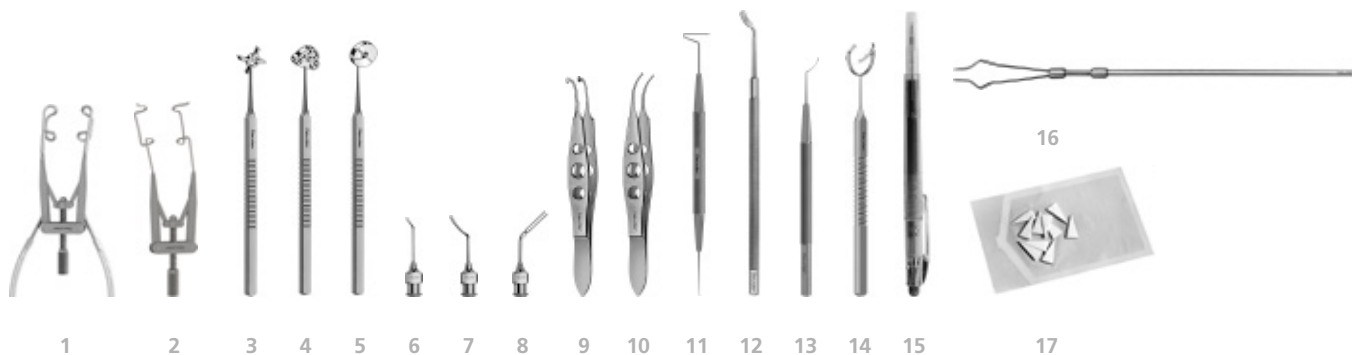


## LASEK - LASER-ASSISTED EPITHELIAL KERATOMILEUSIS



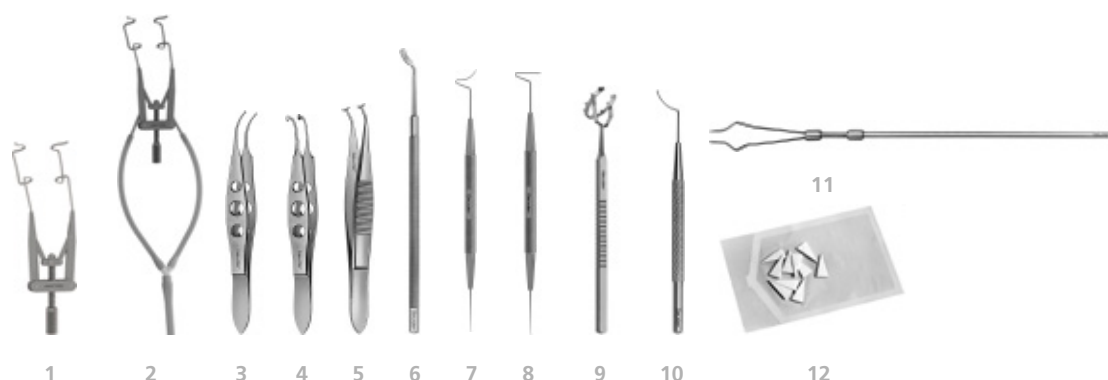
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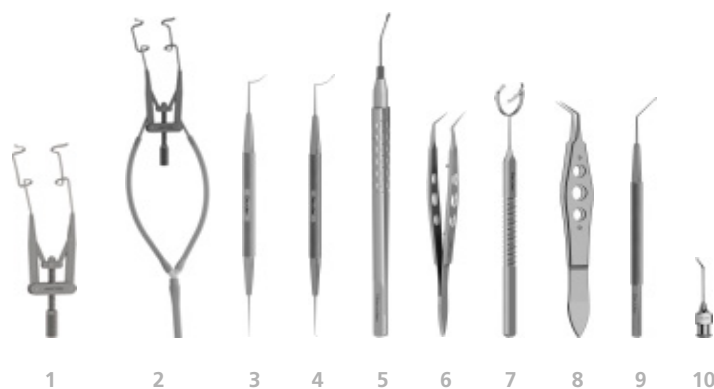
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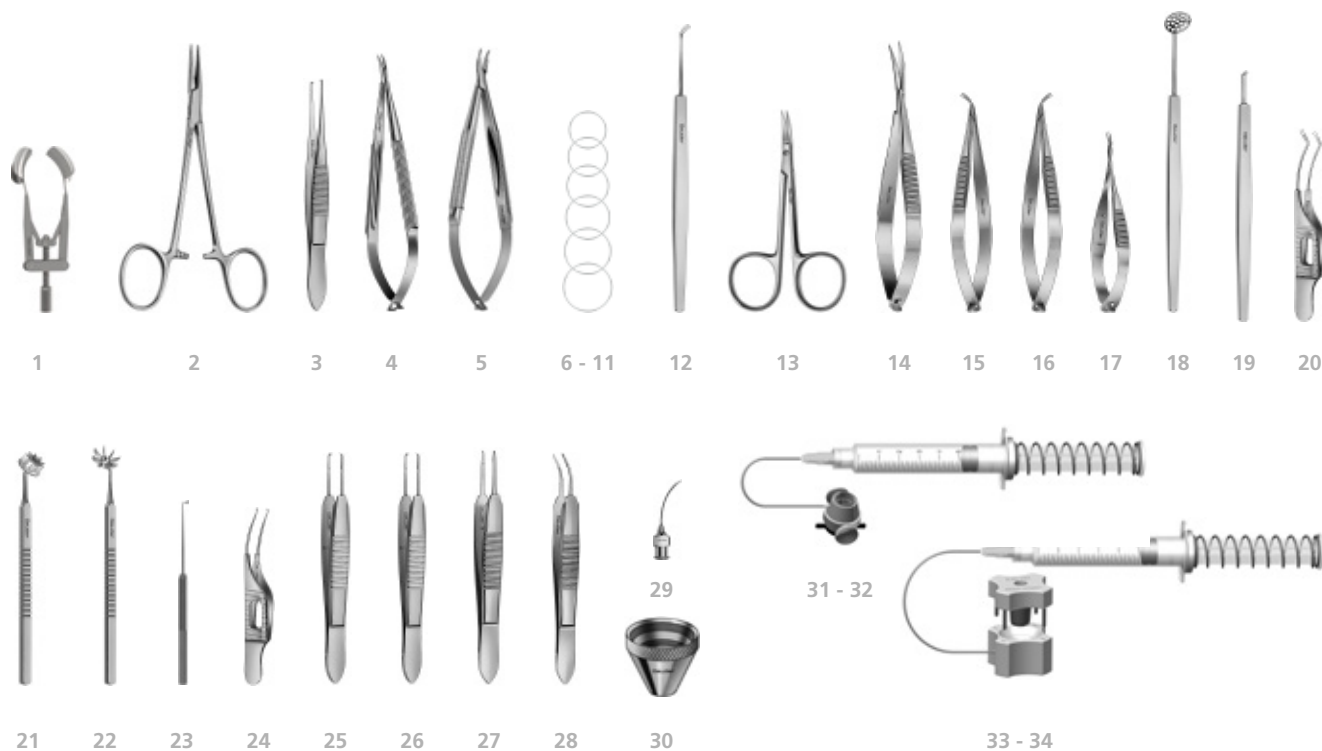
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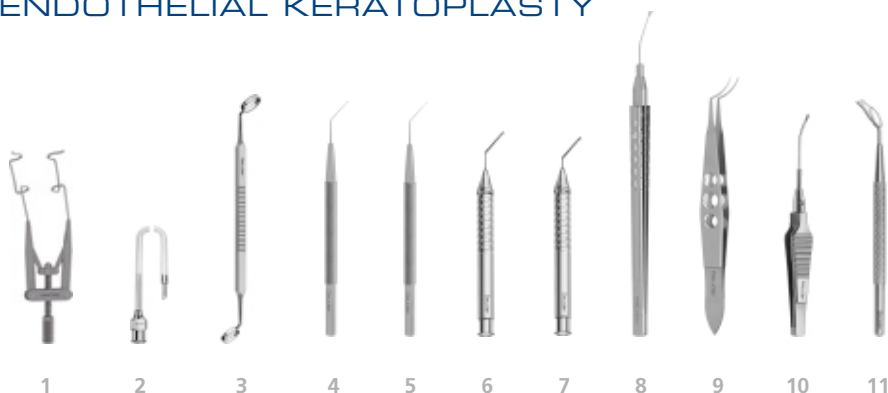
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## KERATOPLASTY



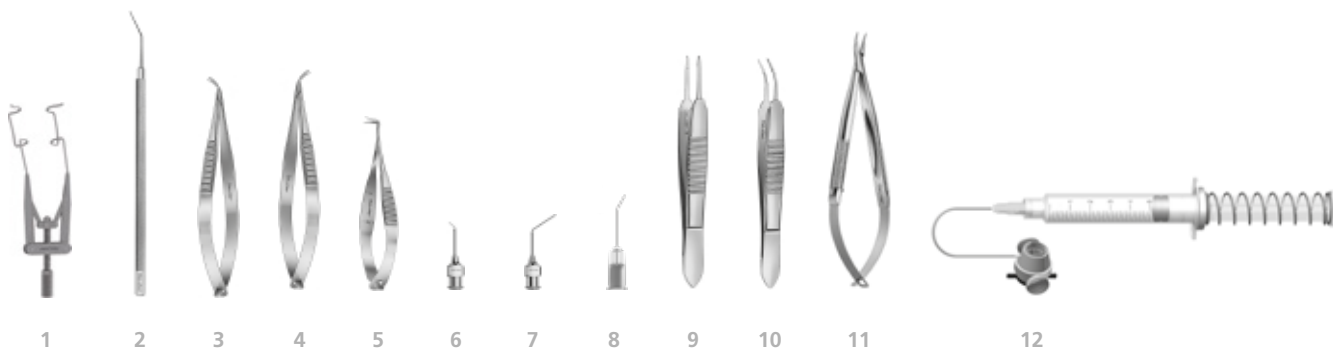
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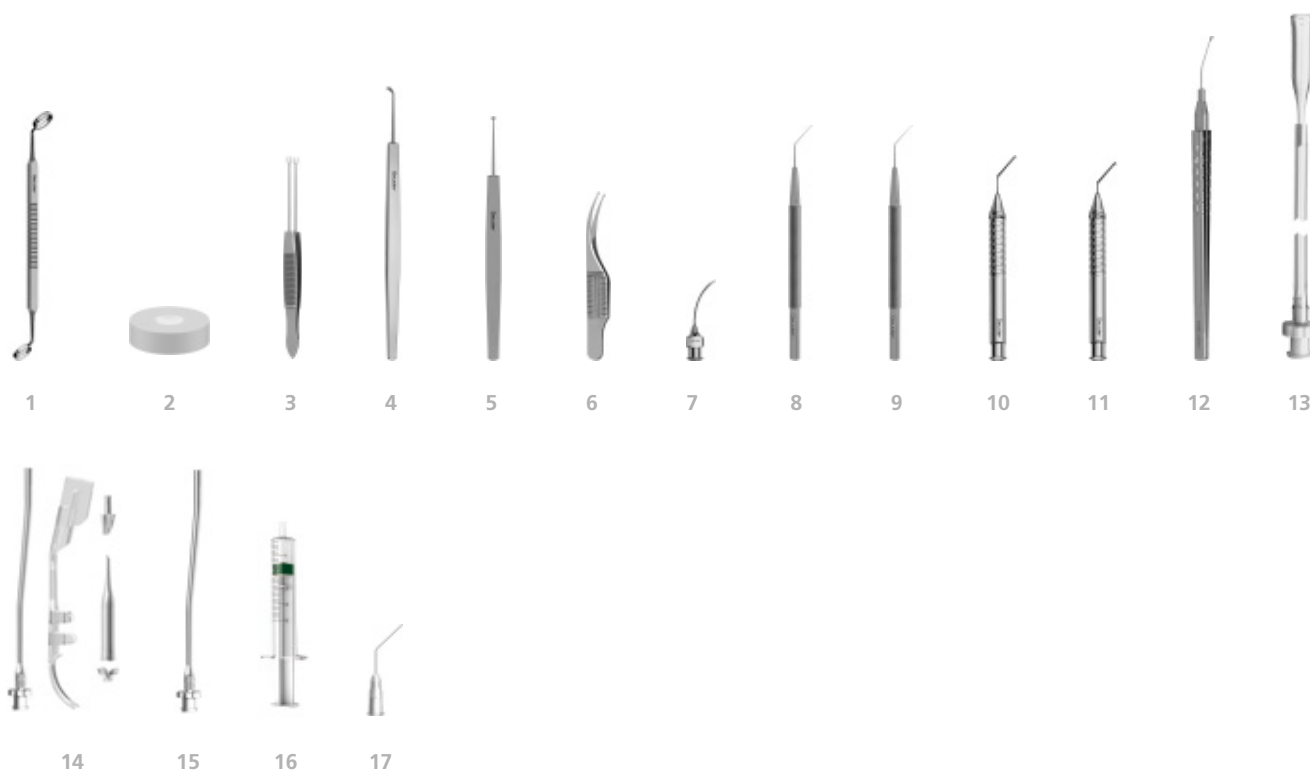
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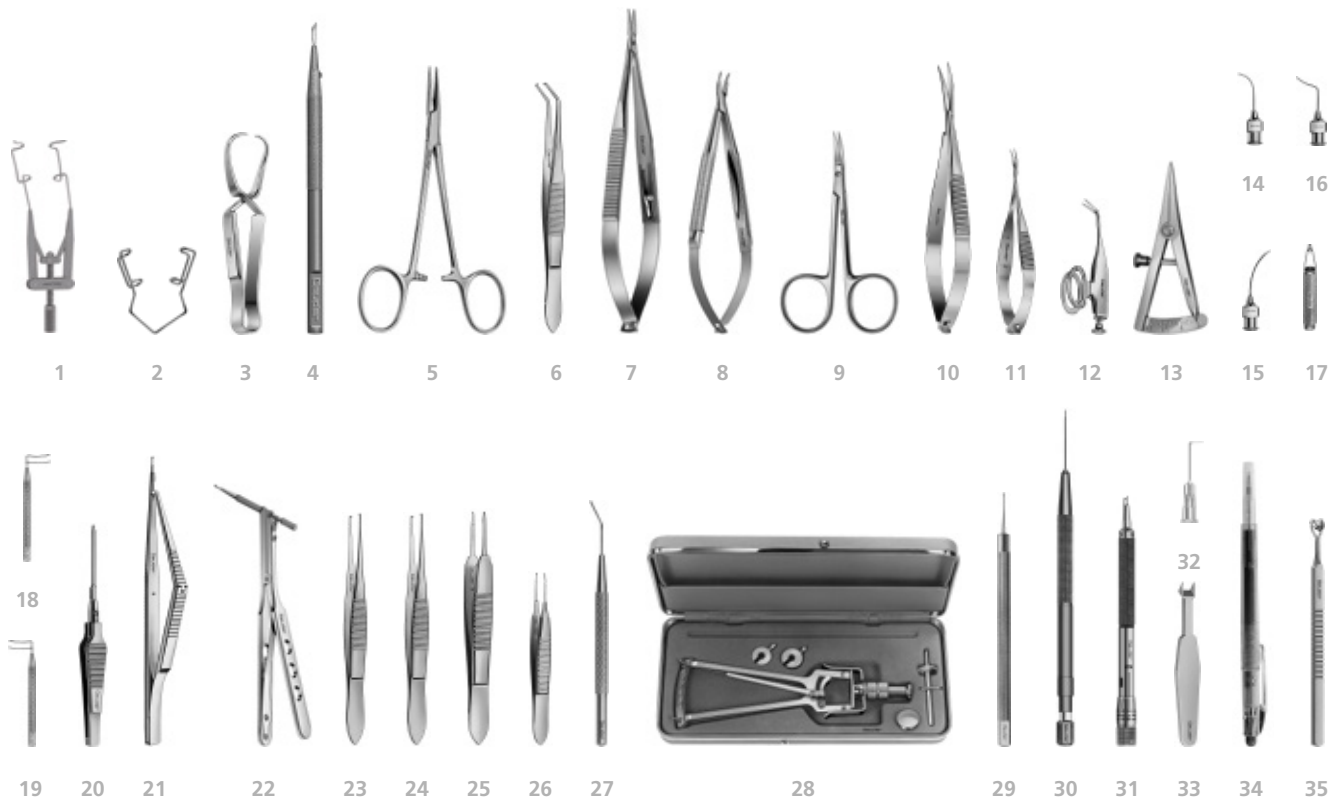
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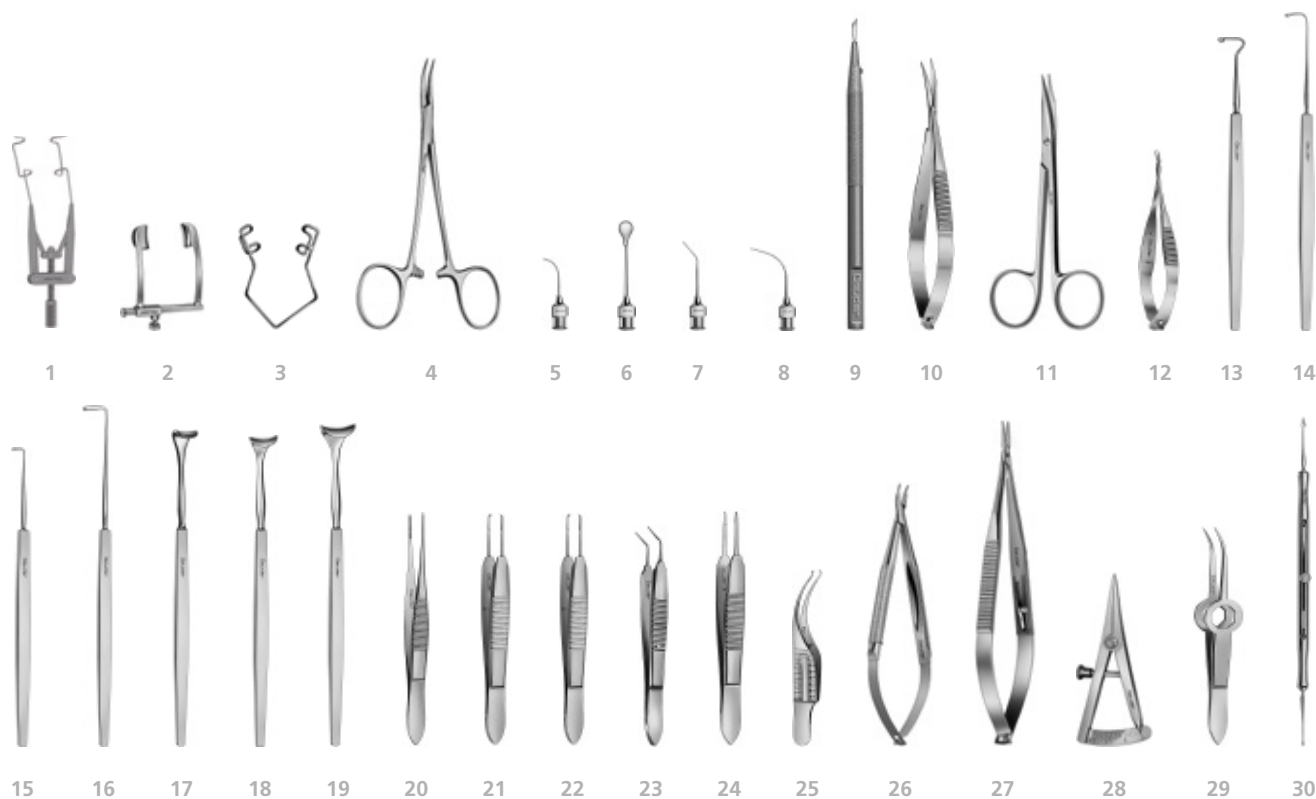
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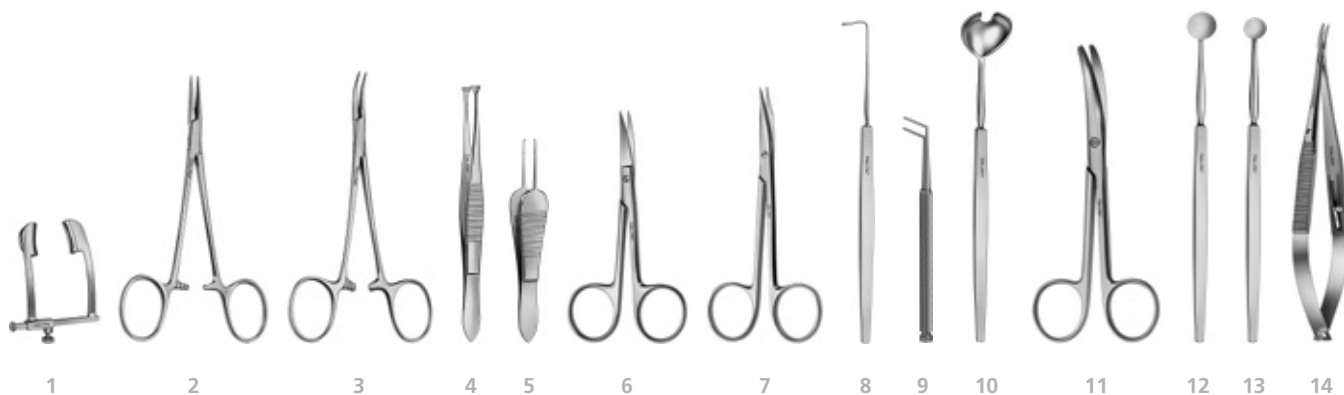
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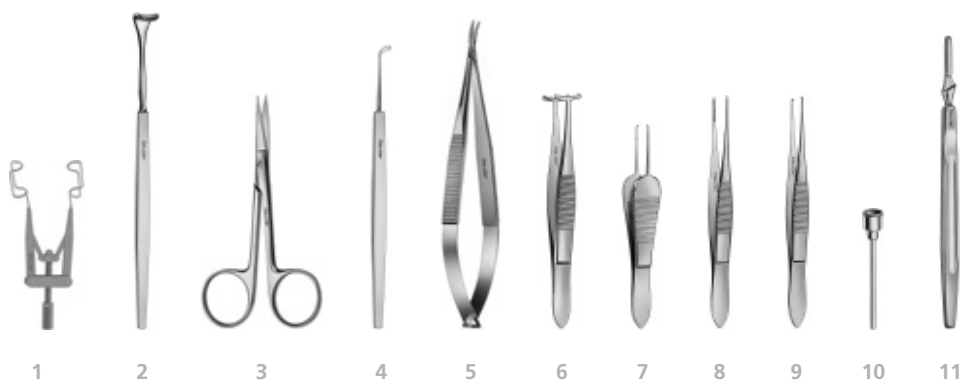


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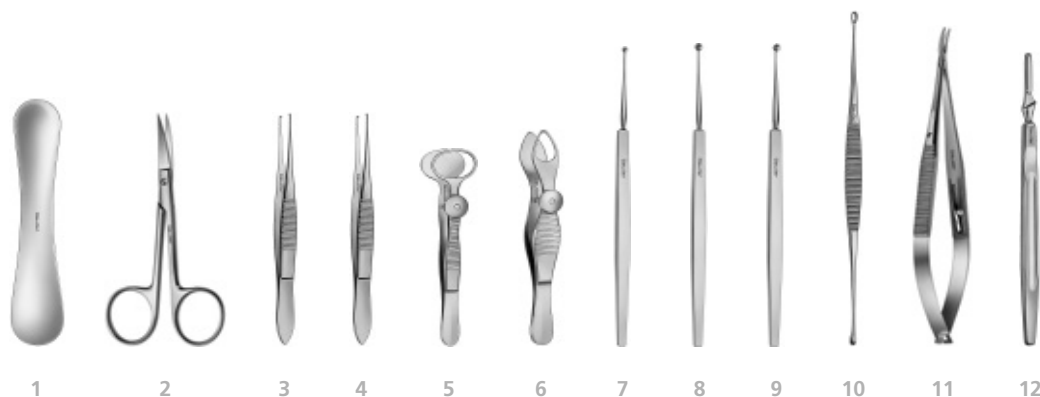


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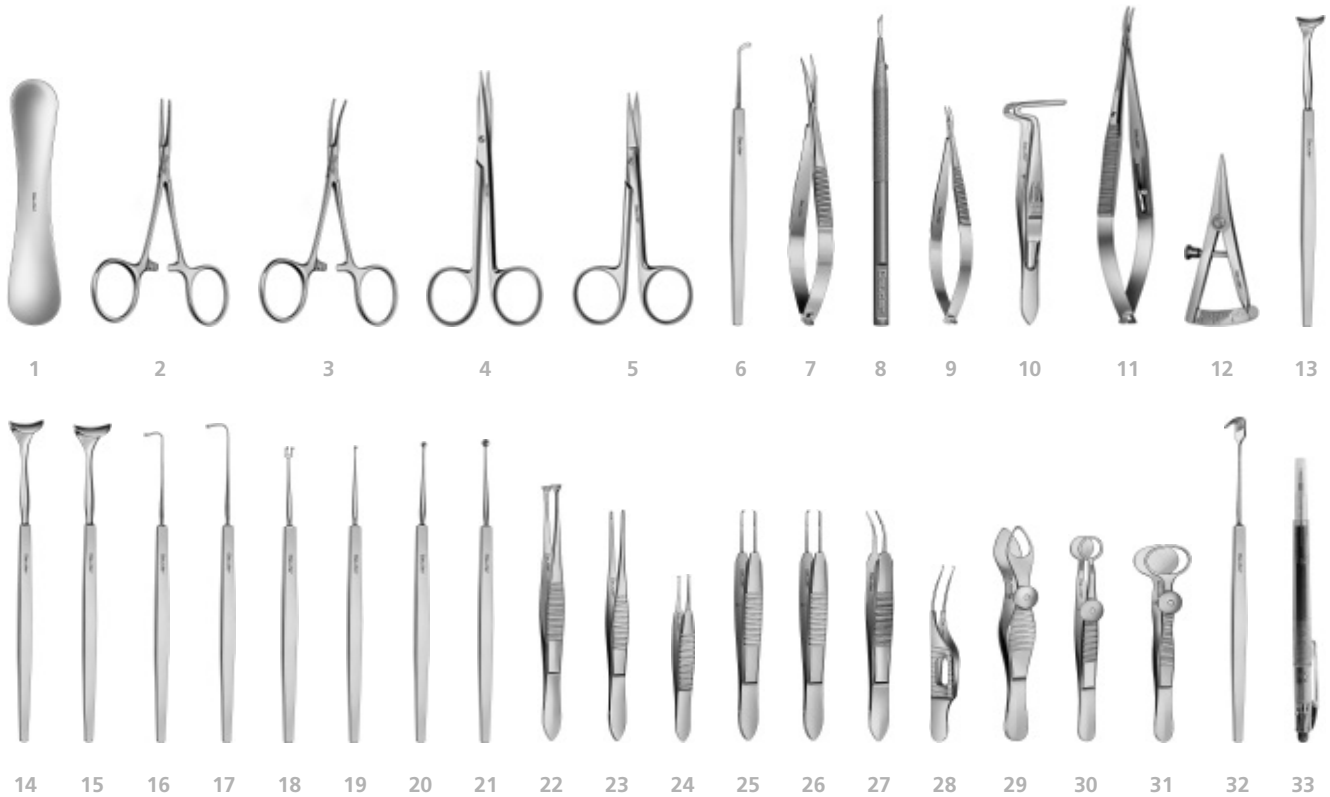
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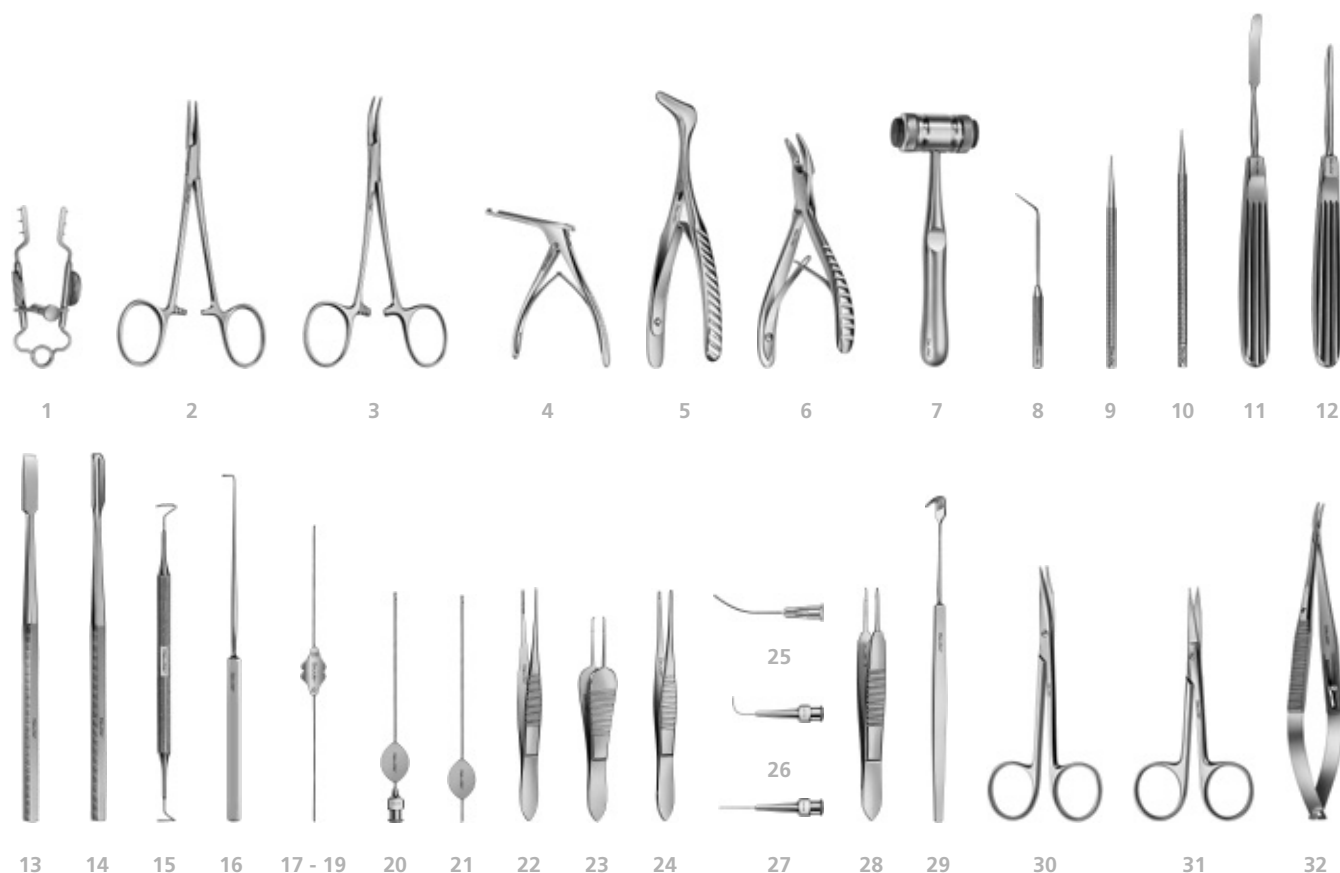
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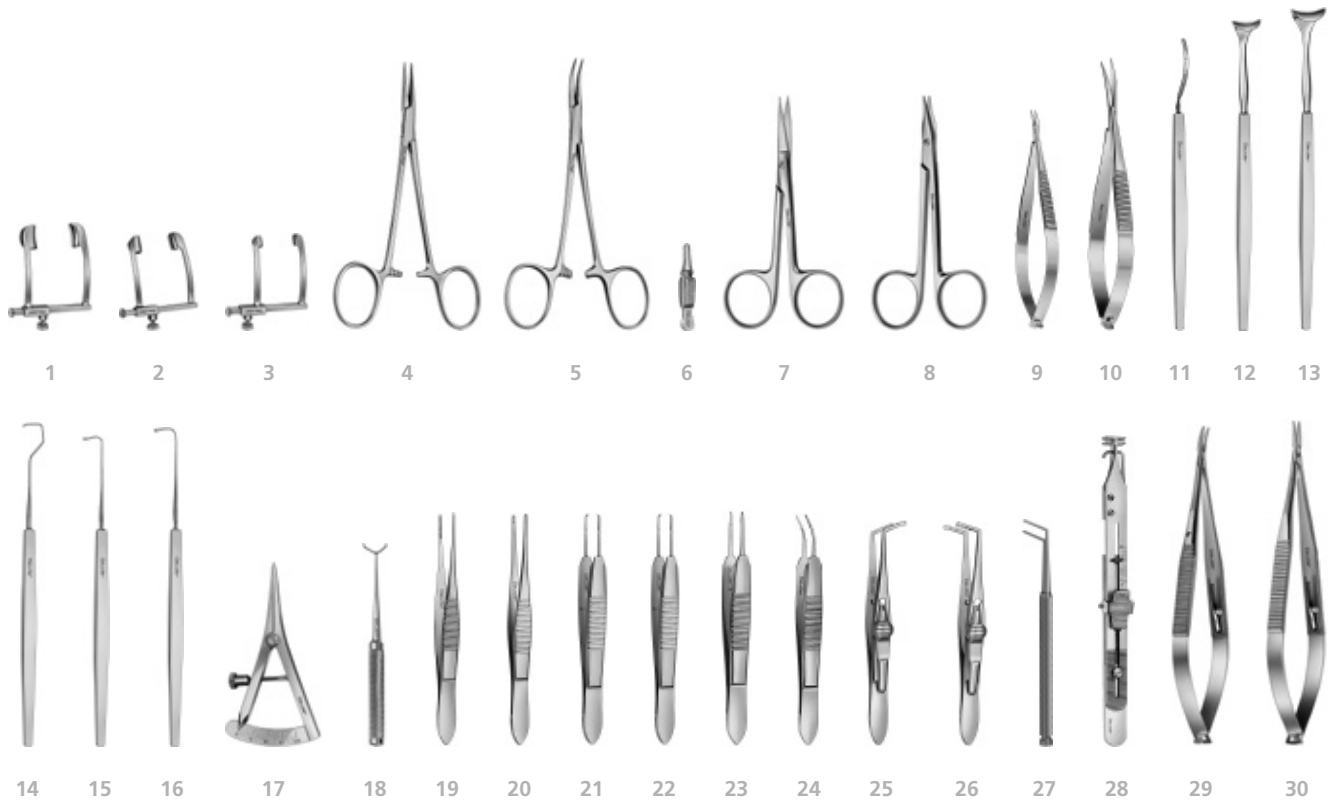
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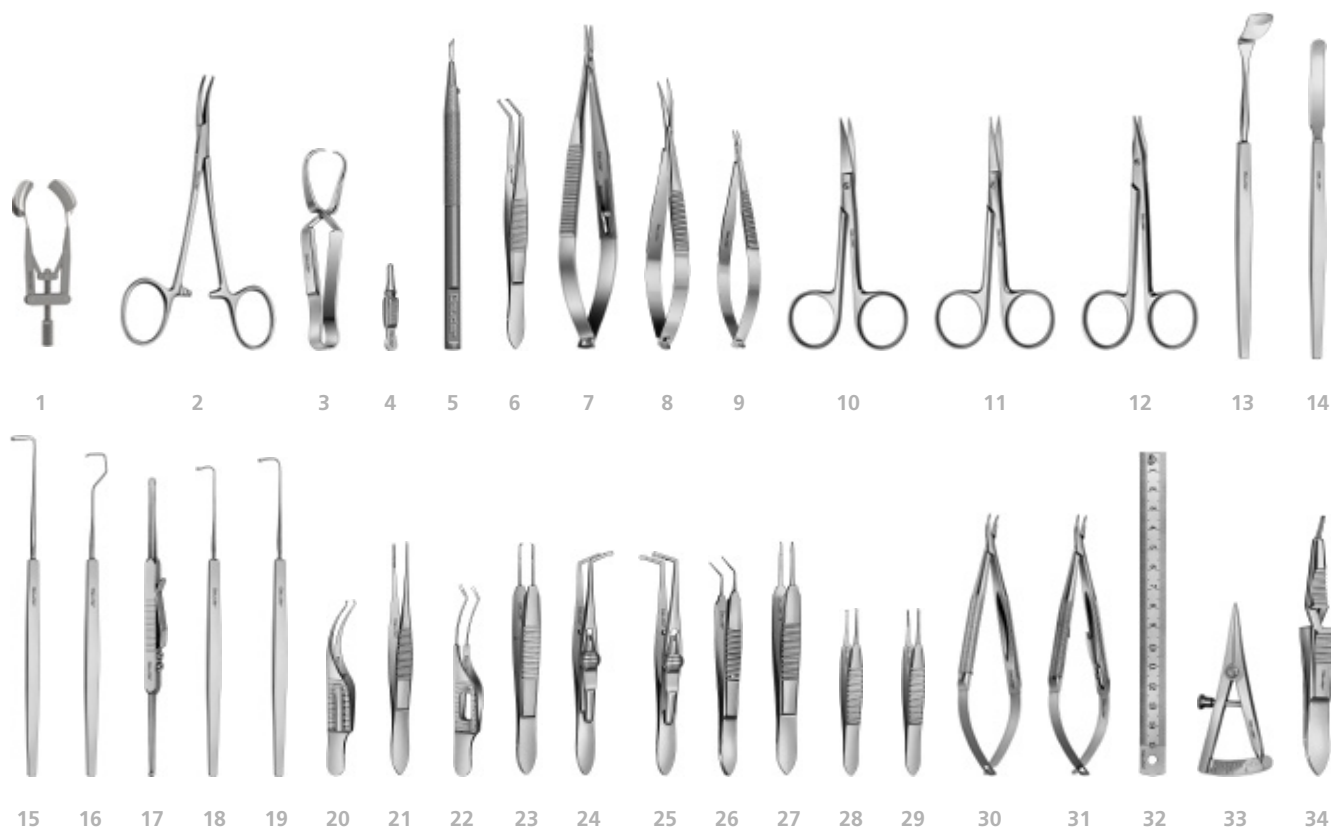
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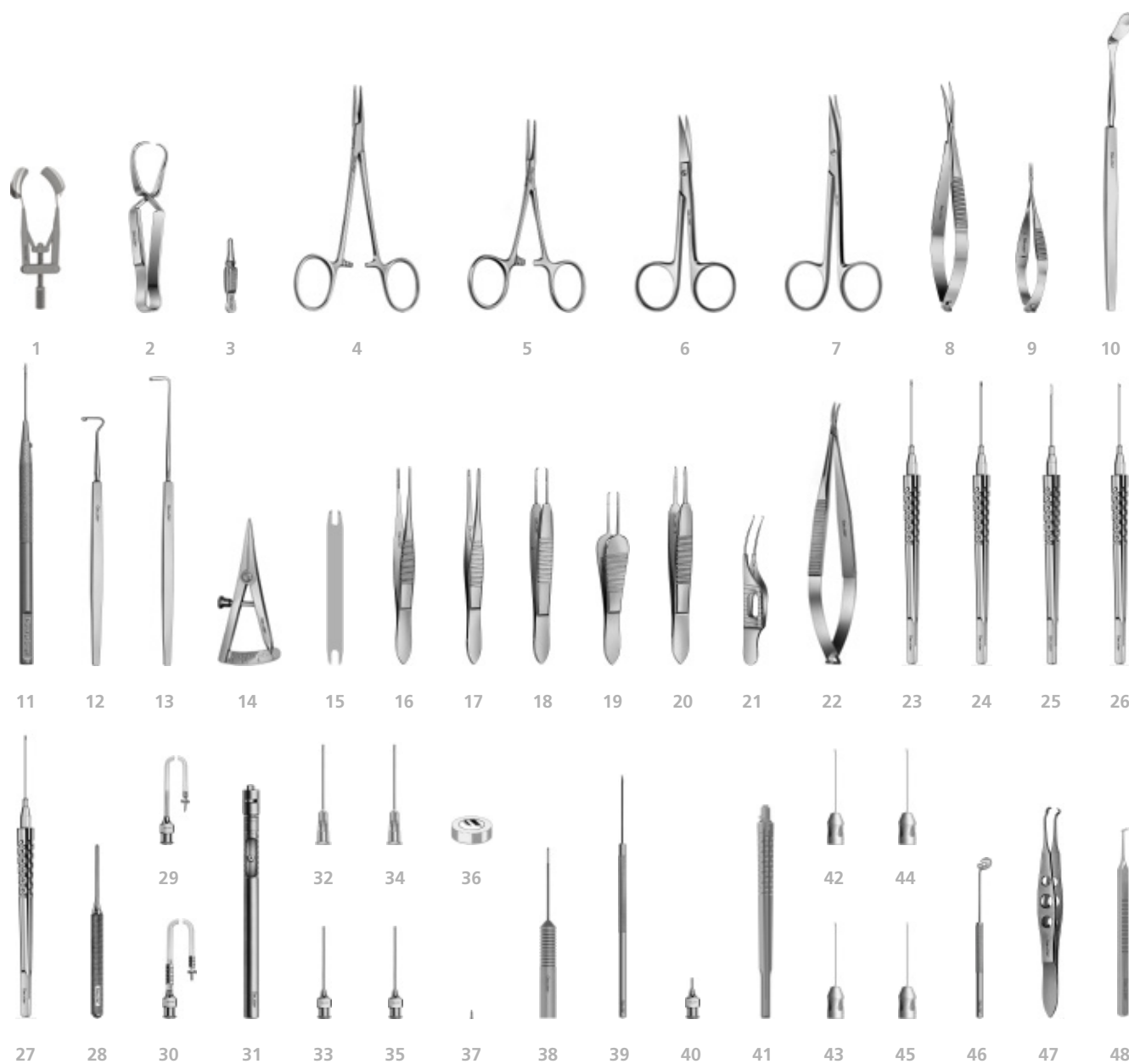
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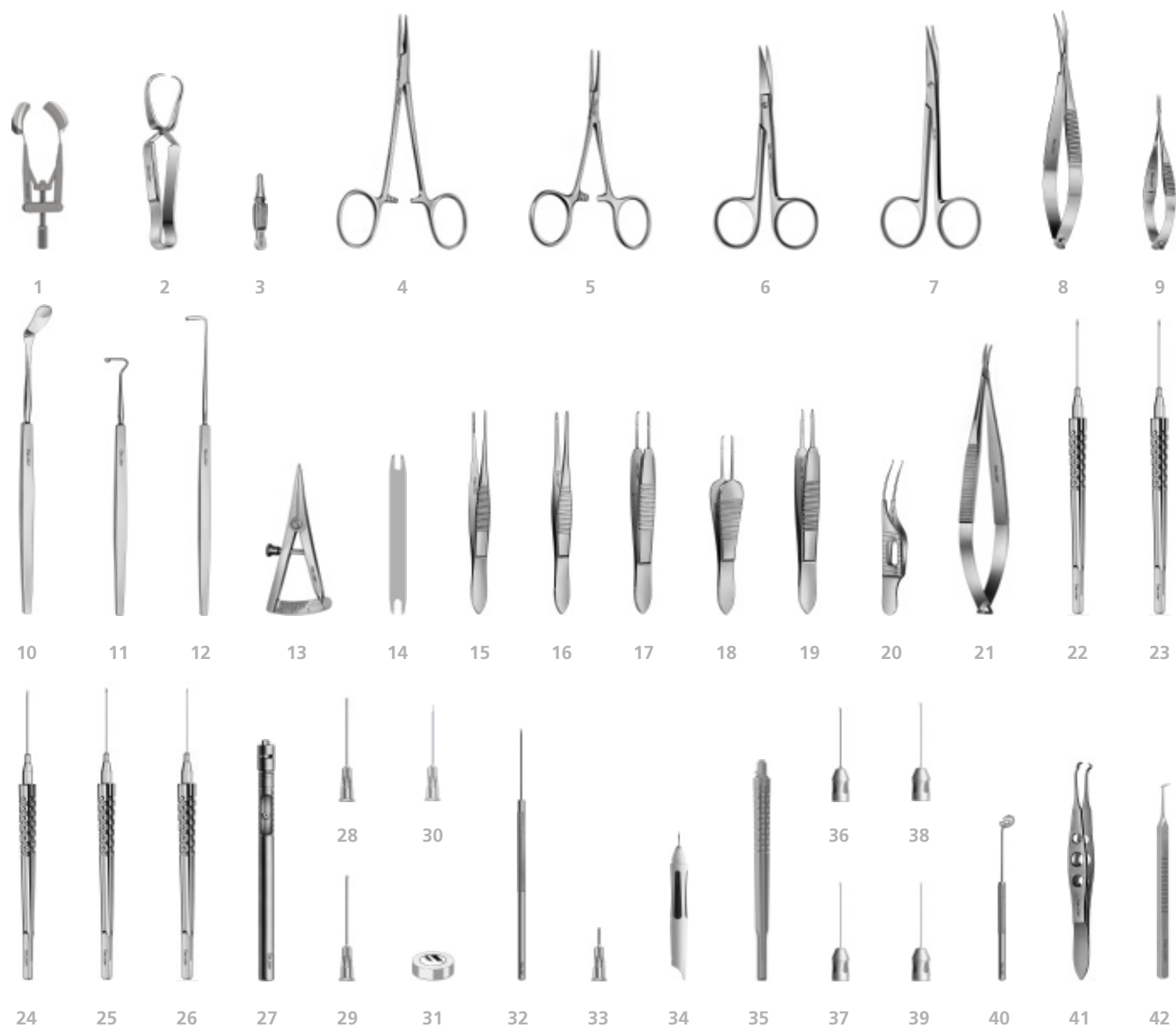
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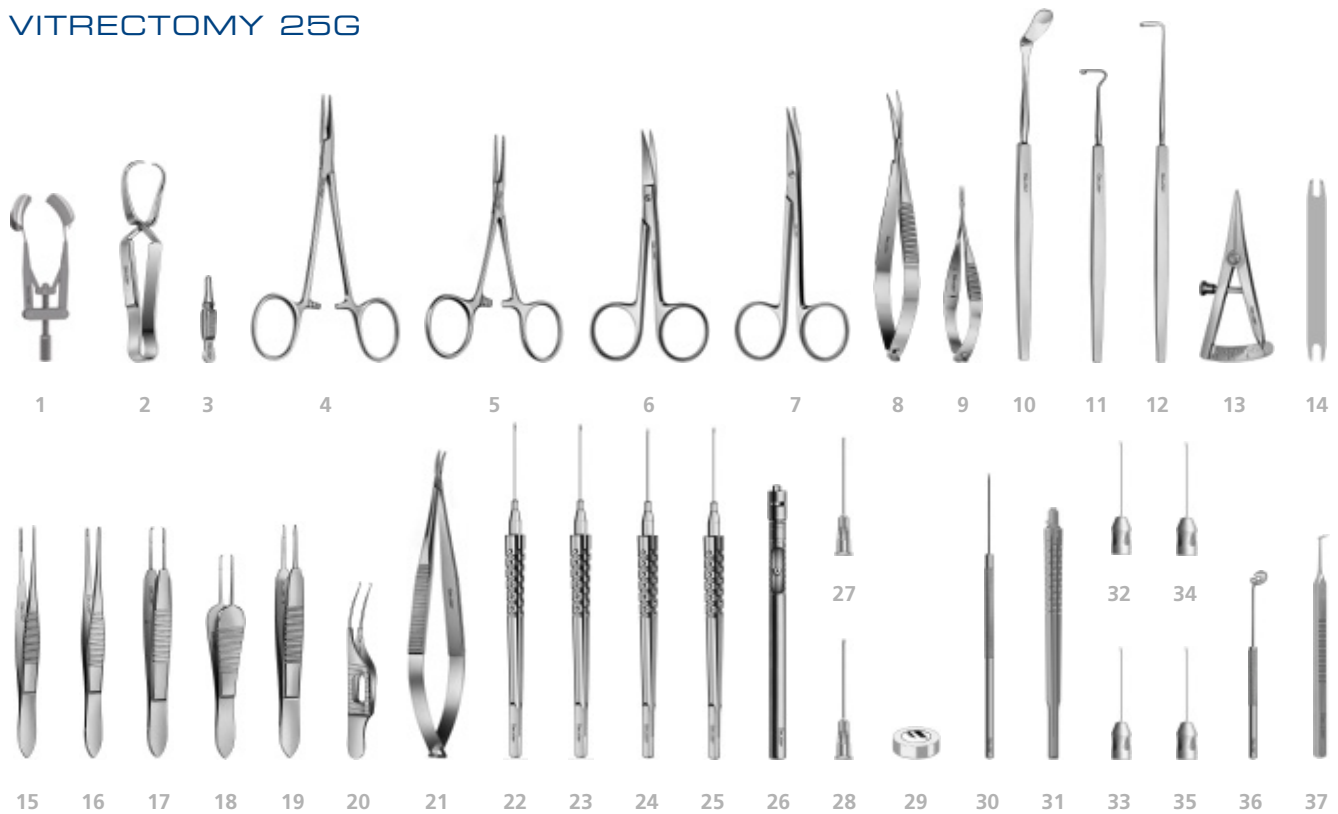
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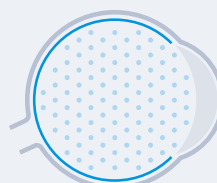
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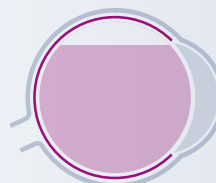
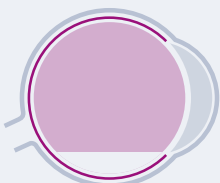
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