

ENGLISH VERSION

OPHTHALMIC SURGICAL INSTRUMENTS

1/04

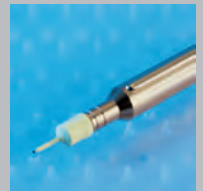


The new **h**eylight in ophthalmic surgery

MEGATRON S3

VIP

- Modular System for anterior and posterior segment surgery
- **VIP**: Dual Pump System – **V**enturi **I**nclusive **P**eristaltic
- **CFM**: Phaco-Matrix with numerous ultrasonic settings including new **Cool Flash Mode** for bimanual phaco technique
- Geuder Mega-Tip features utmost efficiency
- **SOS**: Minimized ultrasound energy through **S**afe **O**cclusion **S**ystem
- **RVS**: **R**ealtime **V**ac **S**ensor in combination with innovative software provides perfect control of anterior chamber stability
- High-Speed Vitrectomy up to 4,000 cuts/min



Looking ahead is our strength



The Fluoron product range is leading in variety and purity. In addition to all conventional liquids for **vitreoretinal surgery** Fluoron manufactures further exclusive products with unique and outstanding features.



1.93 [g/cm³]
F-Decalin

1.81 [g/cm³]
F-Decalin Plus

1.76 [g/cm³]
F-Octan

1.72 [g/cm³]
F-Octan Plus

1.35 [g/cm³]
Vitreous Substitute F6H8[®]

1.06 [g/cm³]
Densiron[®] 68

0.97 [g/cm³]
Siluron 1000/5000

GEUDER®. Precision made in Germany.



Product focus:

Surgical Instruments and Systems for the anterior and posterior segment of the eye.
Highly purified Silicone Oils, Perfluorocarbons and Semifluorinated Alkanes.

Geuder AG was founded by Hans Geuder Sr. in Heidelberg in 1951 and belongs to one of the leading manufacturers of ophthalmic surgical instruments and systems in Germany and on the international market. It has always been the maxim of GEUDER to guarantee the highest degree of precision and reliability as well as an excellent customer service.

By intensive contact and steady cooperation with leading experts in the field of ophthalmic surgery, we continuously manufacture the most innovative products for the latest surgical procedures which, internationally compared, are considered well above the average and have won highest recognition. Our broad involvement in research and development demonstrates the company's forward-looking philosophy which is furthermore substantiated by the large proportion of successful patents.

Megatron® and Megatron® S3 – the ophthalmic surgical systems developed and produced by Geuder for cataract, retina and vitreoretinal surgery, fulfil highest quality standards and are considered as a leading edge technology in ophthalmology.

Our subsidiary FLUORON® manufactures highly purified bio-materials for a variety of medical applications and has developed the patented world novelty Perfluorohexyloctane F6H8® for application in retina and vitreoretinal surgery. The interdisciplinary cooperation with leading scientists results at FLUORON® as well in a continuous development of further innovative products such as Densiron®68, a heavy silicone oil with revolutionary features.

With more than 2,000 different precision instruments exported to more than 80 countries, Geuder AG covers the full range of instrument requirements for surgical procedures in the anterior and posterior segment of the eye. Thanks to innovative production technologies with partially exclusive production steps, our instruments are at a unique and otherwise second to none level of precision and longevity.

The company-owned repair department ensures products' quality is maintained over years. The product restored by Geuder after several repairs guarantees quality for environment conscious users.

This catalog includes illustrations of the most representative instruments of each group or chapter. The alphabetic structure of the chapters is orientated at international standards and facilitates the search for instruments.

Please contact us for detailed information on our ophthalmic surgical systems Megatron® and Megatron® S3 as well as our FLUORON® products.

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Although every effort has been made to ensure the accuracy of the material presented in this catalog, Geuder AG cannot be held liable for any errors that may occur.

Due to the constant technological progress all product specifications and illustrations are subject to change without notice.

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Edition 1/04

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and Systems

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3	Cannulas, I/A - Instruments
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5	Diamond Knives
6	Disposable Instruments
7	Eye Shields
8	Eye Specula
9	Eye Spheres
10	Fibre Optic Instruments
11	Fixation Rings
12	FLUORON - Liquids Vitreoretinal
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BLADE AND MISCELLANEOUS HOLDERS

Blade Holders, Razor Blades

Geuder®

1

G-19285 CASTROVIEJO
RAZOR BLADE HOLDER
handle 8.0 mm
total length 130 mm



G-19270 BARRAQUER
RAZOR BLADE HOLDER
total length 110 mm



G-19320 CASTROVIEJO
RAZOR BLADE HOLDER
handle 6.0 mm
total length 120 mm



G-19330 TROUTMAN
RAZOR BLADE HOLDER
straight, handle 5.5 mm
total length 95 mm



G-19340 TROUTMAN
RAZOR BLADE HOLDER
angled, handle 5.5 mm
total length 90 mm



G-19300 **RAZOR BLADES**
10 per box



BLADE AND MISCELLANEOUS HOLDERS

Holders for Absorbent Strips, Absorbent Strips

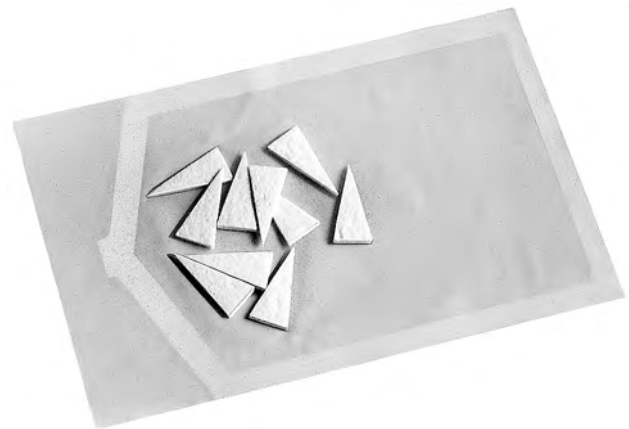
Geuder®



G-18140 **HOLDER FOR
ABSORBENT STRIPS**
with teeth



G-18150 **HOLDER FOR
ABSORBENT STRIPS**
serrated



G-18127 **ABSORBENT STRIPS**
17 mm long
20 per box
sterile

CALIPERS, MEASURING INSTRUMENTS

Calipers, Incision Measuring Calipers,
Measuring Spatulas

Geuder®

2

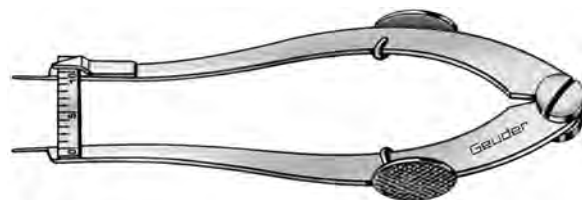
G-19130 CASTROVIEJO
MARKING CALIPER
15 mm



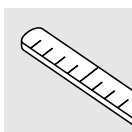
G-19135 CASTROVIEJO
MARKING CALIPER
20 mm



G-19138 OSHER
INCISION MEASURING CALIPER



G-32225 VOGT
MEASURING SPATULA
0 - 20 mm



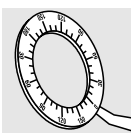
G-32004 ENGELS
MEASURING SPATULA
1 - 15 mm



CALIPERS, MEASURING INSTRUMENTS

Measuring Rings, Measuring Gauges,
Keratometers, Rulers

Geuder®



G-33760 MENDEZ
MEASURING RING



G-19349 MEASURING GAUGE
for measuring incision depth
setting at diamond knives
for keratotomy



G-32318 MALONEY
KERATOMETER



G-18650 RULE



G-18645 MODELL GIESSEN
RULE
1 - 30 mm

CALIPERS, MEASURING INSTRUMENTS

Oculopressors, Tonometer

Geuder®

2

G-15395 *VÖRÖSMARTHY*
OCULOPRESSOR

G-15396 **ADHESIVE PAD**
for headband
10 per box

G-32415 **HEADBAND**
bipartite



G-15392 *HOMBURG MODEL*
OCULOPRESSOR

G-15393 **SILICONE BALL**
with band



G-19230 *SCHIOETZ*
TONOMETER
calibrated



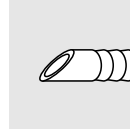
CANNULAS, I/A-INSTRUMENTS

Anterior Chamber, Capsule Polishers

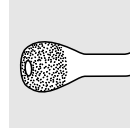
Geuder®

3

G-33416 *BOPP*
**ANTERIOR CHAMBER
INFUSION CANNULA**
0.8 mm, with silicone tube



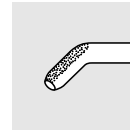
G-32524 *HUNOLD*
CAPSULE POLISHING CANNULA



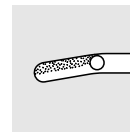
G-32770 *KRATZ*
CAPSULE POLISHING CANNULA
with bulbous tip
23 gauge / 0.64 mm



G-16125 *KRATZ*
CAPSULE POLISHING CANNULA



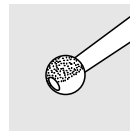
G-32775 *KRATZ*
IRRIGATING AND POLISHING CANNULA
20 gauge / 0.90 x 34 mm



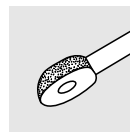
G-16133 *TEPING*
ASPIRATING POLISHING CANNULA
23 gauge / 0.64 mm



G-16130 **CAPSULE POLISHING CANNULA**
with bulbous tip
18 gauge / 1.20 mm



G-16132 *PAPST*
CAPSULE POLISHING CANNULA
25 gauge / 0.50 mm

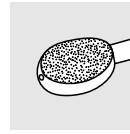


CANNULAS, I/A-INSTRUMENTS

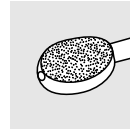
Capsule Polishers,
Capsule Polisher Instruments

Geuder®

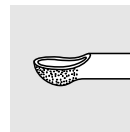
G-32529 *KYU*
CAPSULE POLISHING CANNULA
22 gauge / 0.70 mm



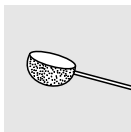
G-32527 *KYU*
CAPSULE POLISHING CANNULA
23 gauge / 0.64 mm



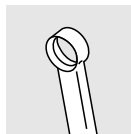
G-32528 *GREITE*
CAPSULE POLISHING CANNULA
with spoon
22 gauge / 0.70 mm



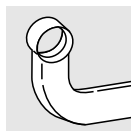
G-32772 *BRAUWEILER*
IRRIGATING CANNULA
angled
with bulbous tip, rough
21 gauge / 0.80 mm



G-31378 *ANIS*
BALL CAPSULE POLISHER



G-32563 *RENTSCH*
CAPSULE POLISHING CURETTE
angled, 135°



G-32564 *RENTSCH*
CAPSULE POLISHING CURETTE
angled, 90°



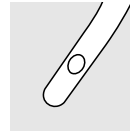
CANNULAS, I/A-INSTRUMENTS

Cyclodialysis, Cystotome, Enzyme,
Eye Douche, Hydrodissection

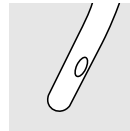
Geuder®

3

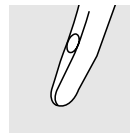
G-31355 *BUSSE*
CYCLODIALYSIS SPATULA CANNULA
26 gauge / 0.45 mm
length of spatula 12 mm



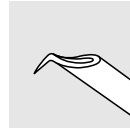
G-15275 **CYCLODIALYSIS SPATULA CANNULA**
extremely delicate
26 gauge / 0.45 mm
length of spatula 10 mm



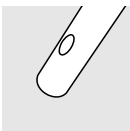
G-31345 *MAINZ MODEL*
CYCLODIALYSIS SPATULA CANNULA
20 gauge / 0.90 mm
length of spatula 12 mm
2 lateral irrigating openings



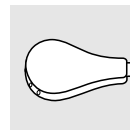
G-16105 **IRRIGATING CYSTOTOME CANNULA**
26 gauge / 0.45 mm



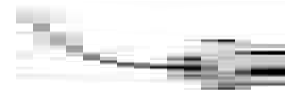
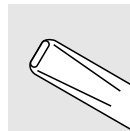
G-15220 **ENZYME CANNULA**
24 gauge / 0.60 mm



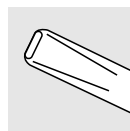
G-15200 *CRANZ*
EYE DOUCHE
silver



G-15250 *SAUTTER*
HYDRODISSECTION CANNULA
27 gauge / 0.40 mm



G-32166 *SAUTTER*
HYDRODISSECTION CANNULA
26 gauge / 0.45 mm

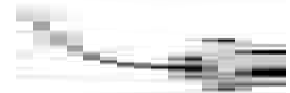
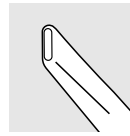


CANNULAS, I/A-INSTRUMENTS

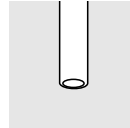
Hydrodissection, Irrigation

Geuder®

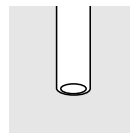
G-32167 SAUTTER
HYDRODISSECTION CANNULA
rotation of 90°
27 gauge / 0.40 mm



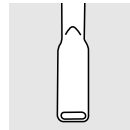
G-32155 TUEBINGEN MODEL
HYDRODISSECTION CANNULA
30 gauge / 0.30 mm



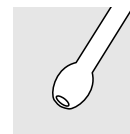
G-15185 FRANKFURT MODEL
HYDRODISSECTION CANNULA
27 gauge / 0.40 mm



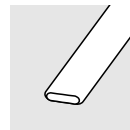
G-31895 **HYDRODISSECTION CANNULA**
24 gauge / 0.60 x 20 mm



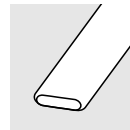
G-15180 **IRRIGATING CANNULA**
with bulbous tip
extremely delicate



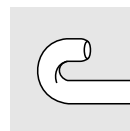
G-15230 BONN MODEL
IRRIGATING CANNULA
delicate



G-15240 BONN MODEL
IRRIGATING CANNULA
medium



G-16135 BINKHORST
IRRIGATING CANNULA
22 gauge / 0.70 x 36 mm
right

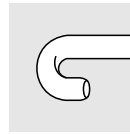


CANNULAS, I/A-INSTRUMENTS

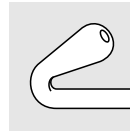
Irrigation, Irrigation- and Aspiration

Geuder®

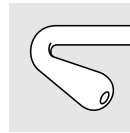
G-16136 *BINKHORST*
IRRIGATING CANNULA
22 gauge / 0.70 x 36 mm
left



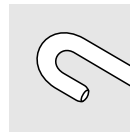
G-32760 *MÜLLER*
IRRIGATING CANNULA
with probe tip
26 gauge / 0.45 x 19 mm
left



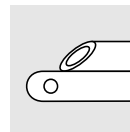
G-32765 *MÜLLER*
IRRIGATING CANNULA
with probe tip
26 gauge / 0.45 x 19 mm
right



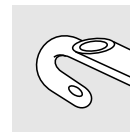
G-16138 *RENTSCH*
IRRIGATING CANNULA
26 gauge / 0.45 x 24 mm



G-16106 *SIMCOE*
IRRIGATING / ASPIRATING CANNULA
irrigating and aspirating tube
23 gauge / 0.64 mm each



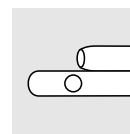
G-16107 **IRRIGATING / ASPIRATING CANNULA**
round curve
irrigating and aspirating tube
23 gauge / 0.64 mm each



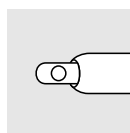
IRRIGATING / ASPIRATING CANNULA
irrigating and aspirating tube

G-16110 22 gauge / 0.70 mm each

G-16111 26 gauge / 0.45 mm each



G-16120 **IRRIGATING / ASPIRATING CANNULA**
COAXIAL
straight
aspiration port 0.40 mm
infusion tube
18 Gauge / 1.20 mm



CANNULAS, I/A-INSTRUMENTS

Irrigation and Aspiration Cannula Handpieces

Geuder®



G-22550 IRRIGATING
CANNULA HANDPIECE



G-32015 IRRIGATING
CANNULA HANDPIECE



G-32771 BRAUWEILER
IRRIGATING CANNULA
HANDPIECE



G-32773 BRAUWEILER
ASPIRATING CANNULA
HANDPIECE



G-32778 KEERL
IRRIGATING CANNULA HANDPIECE
with silicone tube



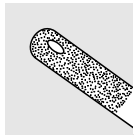
G-32010 IRRIGATING CANNULA HANDPIECE
with silicone tube

CANNULAS, I/A-INSTRUMENTS

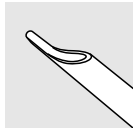
Irrigation and Aspiration Cannula Handpieces,
Bimanual

Geuder®

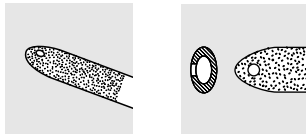
3



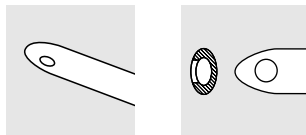
G-22100 D.D. KOCH - T. KOHNEN
ASPIRATING HANDPIECE
aspirating port 0.30 mm
rough tip
tube 22 gauge / 0.7 mm



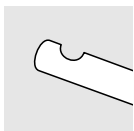
G-22101 D.D. KOCH - T. KOHNEN
IRRIGATING HANDPIECE
tube 22 gauge / 0.7 mm



G-22106 **ASPIRATING HANDPIECE**
aspirating port 0.25 mm
conical and rough tip
oval tube 0.95 x 0.55 mm



G-22107 **IRRIGATING HANDPIECE**
irrigating port 0.50 mm
conical tip
oval tube 0.95 x 0.55 mm



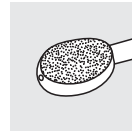
G-22632 SCHMACK
IRRIGATING HANDPIECE
irrigating port 0.50 mm
tube 21 gauge / 0.80 mm

CANNULAS, I/A-INSTRUMENTS

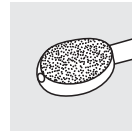
Capsule Polishers, Capsule Polisher Instruments

Geuder®

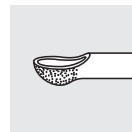
G-32529 *KYU*
CAPSULE POLISHING CANNULA
22 gauge / 0.70 mm



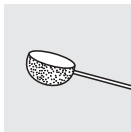
G-32527 *KYU*
CAPSULE POLISHING CANNULA
23 gauge / 0.64 mm



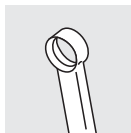
G-32528 *GREITE*
CAPSULE POLISHING CANNULA
with spoon
22 gauge / 0.70 mm



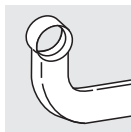
G-32772 *BRAUWEILER*
IRRIGATING CANNULA
angled
with bulbous tip, rough
21 gauge / 0.80 mm



G-31378 *ANIS*
BALL CAPSULE POLISHER



G-32563 *RENTSCH*
CAPSULE POLISHING CURETTE
angled, 135°



G-32564 *RENTSCH*
CAPSULE POLISHING CURETTE
angled, 90°

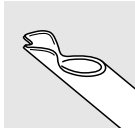


CANNULAS, I/A-INSTRUMENTS

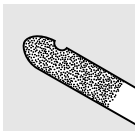
Iris Retractor Irrigation Cannula,
Irrigation and Aspiration Handpieces, Bimanual

Geuder®

3



G-32365 *ENGELS*
**IRIS RETRACTOR -
IRRIGATING CANNULA**
tube 21 gauge / 0.8 mm



G-32026 *R. KOCH*
ASPIRATING HANDPIECE
aspirating port 0.3 mm
tube 19 gauge / 1.1 mm
rough tip



G-32018 *BRAUWEILER*
ASPIRATING HANDPIECE
angled
declined and rough
21 gauge / 0.80 mm



G-32019 *H.-R. KOCH*
ASPIRATING HANDPIECE
angled, rough
21 gauge / 0.80 mm



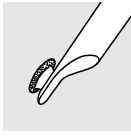
G-32016 *BRAUWEILER*
IRRIGATING HANDPIECE
angled
21 gauge / 0.80 mm



CANNULAS, I/A-INSTRUMENTS

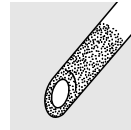
Irrigation and Aspiration Cannulas
and Cannula Handpieces, Bimanual

Geuder®



G-32017 *BRAUWEILER*
IRRIGATING HANDPIECE
angled
with bulbous tip
rough
21 gauge / 0.80 mm

G-32774 *BRAUWEILER*
ASPIRATING CANNULA
angled
bevelled, rough
21 gauge / 0.80 mm



G-32769 *H.-R. KOCH*
ASPIRATING CANNULA
angled
rough
21 gauge / 0.80 mm



G-32776 *BRAUWEILER*
IRRIGATING CANNULA
angled
21 gauge / 0.80 mm



G-32772 *BRAUWEILER*
IRRIGATING CANNULA
angled
with bulbous tip, rough
21 gauge / 0.80 mm



G-32771 *BRAUWEILER*
**IRRIGATING CANNULA
HANDPIECE**



G-32773 *BRAUWEILER*
**ASPIRATING CANNULA
HANDPIECE**

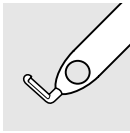


CANNULAS, I/A-INSTRUMENTS

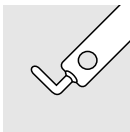
Irrigation Handpieces with Chopper

Geuder®

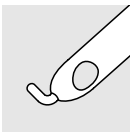
3



G-32014 *R. KOCH*
IRRIGATING HANDPIECE WITH CHOPPER
angled, irrigating ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm



G-32050 *HOFFMANN*
IRRIGATING HANDPIECE WITH CHOPPER
angled, irrigating ports 2 x 0.5 mm
oval tube 1.1 mm x 0.9 mm



G-32053 *WILHELM*
IRRIGATING HANDPIECE WITH CHOPPER
angled, irrigating ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm



G-32055 *NEUHANN/SAUDER*
IRRIGATING HANDPIECE WITH CHOPPER
Irrigation ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm

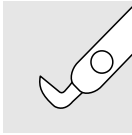


G-32508 *HÖH*
CHOPPER
18 gauge / 1.2 mm

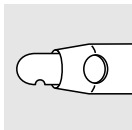
CANNULAS, I/A-INSTRUMENTS

Irrigation Cannula with Chopper, Irrigation and Aspiration Handpieces, Monomanual

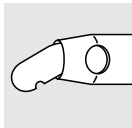
Geuder®



- G-32284** AGARWAL
IRRIGATING NUCLEUS CHOPPER
tube 20 gauge / 0.90 mm
for use with G-32711 handpiece



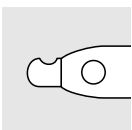
- G-24330** I/A HANDPIECE
straight, with silicone sleeve
aspirating port 0.30 mm



- G-24430** I/A HANDPIECE
angled, with silicone sleeve
aspirating port 0.30 mm
G-24435 aspirating port 0.35 mm



- G-24100** SILICONE SLEEVE
blue, for I/A handpieces



- PAPST
I/A HANDPIECE
straight, infusion tube 16 Gauge / 1.60 mm
G-22525 aspirating port 0.30 mm
G-22527 aspirating port 0.40 mm

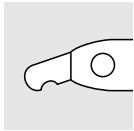


CANNULAS, I/A-INSTRUMENTS

Irrigation and Aspiration Handpieces,
Monomanual

Geuder®

3



PAPST

I/A HANDPIECE

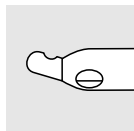
angled, infusion tube 16 Gauge / 1.60 mm

G-22540

aspirating port 0.30 mm

G-22542

aspirating port 0.40 mm



G-22615

PAPST

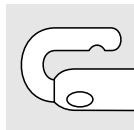
I/A HANDPIECE

angled

aspirating port 0.30 mm

infusion tube

18 Gauge / 1.30 mm



G-22628

GREITE

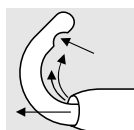
I/A HANDPIECE

curved

aspirating port 0.30 mm

infusion tube

18 Gauge / 1.30 mm



G-22556

HUNOLD

I/A HANDPIECE

curved

aspirating port 0.30 mm

infusion tube

18 Gauge / 1.30 mm

CANNULAS, I/A-INSTRUMENTS

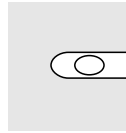
Lacrimal, Lacrimal Probes

Geuder®

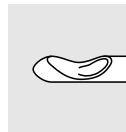
G-15170 *BONN MODEL*
LACRIMAL CANNULA
with probe tip



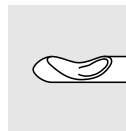
BANGERTER
LACRIMAL PROBE CANNULA
G-15270 21 gauge / 0.80 x 60 mm
G-15271 23 gauge / 0.64 x 60 mm
G-15272 21 gauge / 0.80 x 40 mm
G-15273 23 gauge / 0.64 x 40 mm



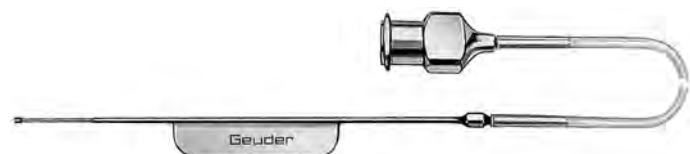
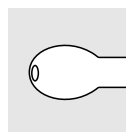
G-33197 *JÜNEMANN*
LACRIMAL PROBE CANNULA
to insert suture material
21 gauge / 0.80 x 35 mm



G-33198 *JÜNEMANN*
LACRIMAL PROBE CANNULA
with handle
to insert suture material
21 gauge / 0.80 x 35 mm



G-32777 **IRRIGATING PROBE CANNULA**
with bulbous tip
and silicone tube



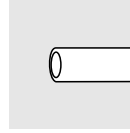
CANNULAS, I/A-INSTRUMENTS

Lacrimal

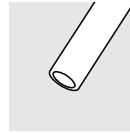
Geuder®

3

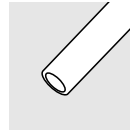
LACRIMAL CANNULA
conical, straight
G-33140 silver
G-33135 stainless steel



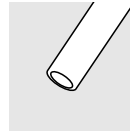
LACRIMAL CANNULA
conical, round curve
G-15140 silver
G-15141 stainless steel



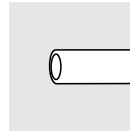
LACRIMAL CANNULA
conical, short angle
G-15150 silver
G-15151 stainless steel



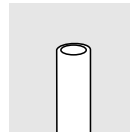
LACRIMAL CANNULA
conical, wide angle
G-15160 silver
G-15161 stainless steel



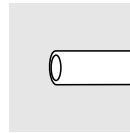
ANEL
LACRIMAL CANNULA
straight
23 gauge / 0.64 mm



ANEL
LACRIMAL CANNULA
round curve
23 gauge / 0.64 mm



LACRIMAL CANNULA
cylindrical, straight
20 gauge / 0.90 x 35 mm

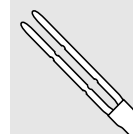


CANNULAS, I/A-INSTRUMENTS

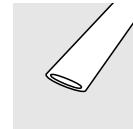
Lasik, Lens Loops

Geuder®

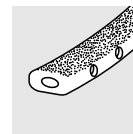
G-33909 *WALDEMAR BAUER*
LASIK CANNULA
double-armed
6 irrigating ports
25 gauge / 0.5 mm



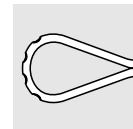
G-33910 *ZIRM*
LASIK DISSECTOR CANNULA
25 gauge / 0.5 mm



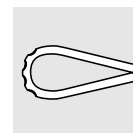
G-33911 *ZIRM*
LASIK IRRIGATING CANNULA
20 gauge / 0.9 mm



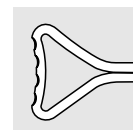
G-16115 **IRRIGATING VECTIS CANNULA**



G-32759 **IRRIGATING VECTIS CANNULA**
small model



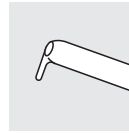
G-31510 *KLÖCKNER*
EXPRESSOR CANNULA



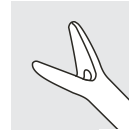
CANNULAS, I/A-INSTRUMENTS

Position Needles, Retrobulbar, Sub-Tenon

G-16145 *DARDENNE*
POSITIONING NEEDLE CANNULA
30 gauge / 0.30 mm

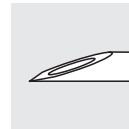


G-32274 *GERTEN*
CANNULA WITH NOTCH
Tube 24 gauge / 0.55 mm

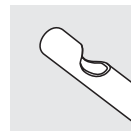


RETROBULBAR INJECTION CANNULA

G-15375 24 gauge / 0.55 x 60 mm
G-32600 25 gauge / 0.50 x 35 mm
G-32605 24 gauge / 0.55 x 35 mm
G-15376 25 gauge / 0.50 x 50 mm
G-15377 25 gauge / 0.50 x 40 mm



G-33199 *NAGATA*
SUB-TENON INJECTION CANNULA
24 gauge / 0.60 mm

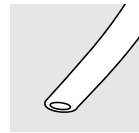


CANNULAS, I/A-INSTRUMENTS

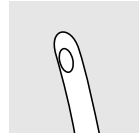
Trabeculotomy, Visco canalostomy, Viscoelastic

Geuder®

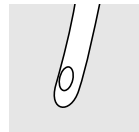
G-22619 *PH. JACOBI*
TRABECULAR ASPIRATING CANNULA



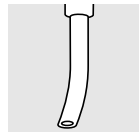
G-15188 *BURK*
**IRRIGATING
TRABECULOTOMY CANNULA**
right



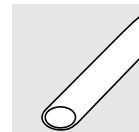
G-15189 *BURK*
**IRRIGATING
TRABECULOTOMY CANNULA**
left



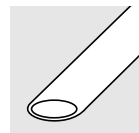
G-15187 **IRRIGATING CANNULA**
for Visco Canalostomy
25 gauge / 0.49 mm
7.0 mm angled
tapered tube 5.0 mm curved
0.19 mm



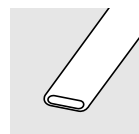
G-15225 **ASPIRATING CANNULA**
delicate
19 gauge / 1.10 mm



G-15226 **ASPIRATING CANNULA**
17 gauge / 1.50 mm



G-31807 **HEALON CANNULA**
21 gauge / 0.80 x 30 mm



For further cannulas, please see section 6,
p. 45-47

CANNULAS, I/A-INSTRUMENTS vitreoretinal

Aspiration/Backflash Handpieces,
Silicone Chamber

Geuder®

3



G-33045 ASPIRATING HANDPIECE



G-31805 ASPIRATING HANDPIECE
with silicone chamber



G-37000 ASPIRATING HANDPIECE
with silicone chamber
for aspirating tips
from G-37010 to G-37090
screwable

G-31806 SILICONE CHAMBER
for aspirating handpieces
G-37000 and G-31805



G-37005 ASPIRATING HANDPIECE
with large silicone chamber
for aspirating tips
from G-37010 to G-37090
screwable and rotatable



G-37006 SILICONE CHAMBER
large
for aspirating handpiece
G-37005



CANNULAS, I/A-INSTRUMENTS vitreoretinal

Aspiration Handpieces, Cannula Tips, Accessories,
I/A-Handpieces

Geuder®



ASPIRATING HANDPIECE

screwable, consists of cannula tip
20 gauge / 0.9 mm and silicone tube insert
extensible 15 mm

- G-37100** curved
- G-37105** straight

CANNULA TIP

20 gauge / 0.9 mm
for aspirating handpieces G-37100 and G-37105

- G-37110** curved
- G-37115** straight



SILICONE TUBE INSERT

for aspirating handpieces G-37100 and 37105

- G-37120**



SILICONE CHAMBER

for aspirating handpieces G-37100 and 37105

- G-37125**



- G-37095** *JANKNECHT*
**I/A HANDPIECE
FOR RETINAL DETACHMENT**
screwable, consists of cannula tip
20 gauge / 0.9 mm and
teflon tube insert, 0.1 mm, extensible 15 mm

86%

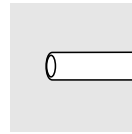
CANNULAS, I/A-INSTRUMENTS vitreoretinal

Aspiration Cannulas

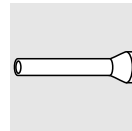
Geuder®

3

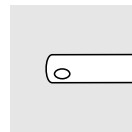
G-33050 ASPIRATING CANNULA
inside: 24 gauge / 0.55 mm
outside: 20 gauge / 0.9 mm



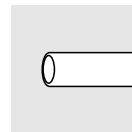
G-33070 ASPIRATING CANNULA
20 gauge / 0.9 mm
tapered tube 3.5 mm
25 gauge / 0.5 mm



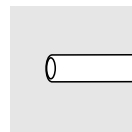
G-33071 ASPIRATING CANNULA
lateral aspirating port 0.5 mm
20 gauge / 0.9 mm



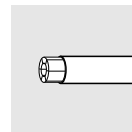
G-33072 LAQUA ASPIRATING CANNULA
inside: 21 gauge / 0.8 mm
outside: 19 gauge / 1.1 mm



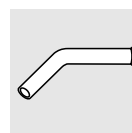
G-33073 KAMPIK ASPIRATING CANNULA
inside: 22 gauge / 0.7 mm
outside: 20 gauge / 0.9 mm



G-33075 ASPIRATING CANNULA
with silicone brush
20 gauge / 0.9 mm



G-33077 ASPIRATING CANNULA
20 gauge / 0.9 mm
tapered tube 7.0 mm
3.5 mm angled
24 gauge / 0.60 mm

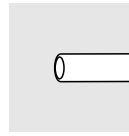


CANNULAS, I/A-INSTRUMENTS vitreoretinal

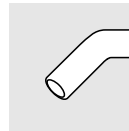
Aspiration Tips for G-37000

Geuder®

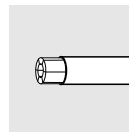
G-37010 **ASPIRATING TIP**
20 gauge / 0.9 mm



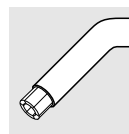
G-37015 **ASPIRATING TIP**
3.0 mm angled
20 gauge / 0.9 mm



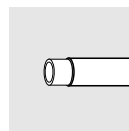
G-37020 **ASPIRATING TIP**
with silicone brush
20 gauge / 0.9 mm



G-37025 **ASPIRATING TIP**
6.0 mm angled
with silicone brush
20 gauge / 0.9 mm



G-37035 **ASPIRATING TIP**
with silicone tube at the tip
20 gauge / 0.9 mm



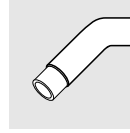
CANNULAS, I/A-INSTRUMENTS vitreoretinal

Aspiration Tips for G-37000

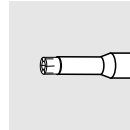
Geuder®

3

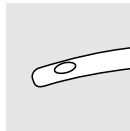
G-37040 ASPIRATING TIP
3.0 mm angled
with silicone tube at the tip
20 gauge / 0.9 mm



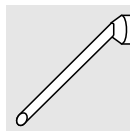
G-37045 ASPIRATING TIP
20 gauge / 0.9 mm
tapered tube 1.5 mm
with silicone brush
24 gauge / 0.60 mm



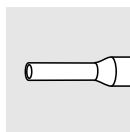
G-37050 ASPIRATING TIP
curved
lateral aspirating port 0.3 mm
24 gauge / 0.60 mm



G-37065 ASPIRATING TIP
20 gauge / 0.9 mm
tapered tube
5.0 mm angled
30 gauge / 0.3 mm
aspirating port oval



G-37080 ASPIRATING TIP
20 gauge / 0.9 mm
tapered tube 2.0 mm
24 gauge / 0.6 mm



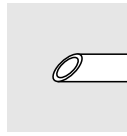
CANNULAS, I/A-INSTRUMENTS vitreoretinal

Infusion and Disposable Infusion Tubings

Geuder®

INFUSION TUBING

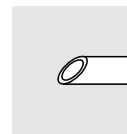
declined
20 gauge / 0.9 mm
square tip
silicone tube 40 cm
Luer-Lock metal adapter



- G-33420** 4.0 mm
- G-33425** 5.0 mm
- G-33430** 6.0 mm
- G-33433** 7.0 mm

INFUSION TUBING

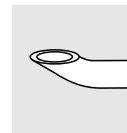
declined
20 gauge / 0.9 mm
silicone tube 40 cm
Luer-Lock synthetic adapter



- G-33450** 4.0 mm
- G-33451** 5.0 mm
- G-33452** 6.0 mm
- G-33453** 7.0 mm

INFUSION TUBING

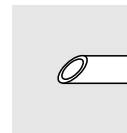
lateral infusion opening
20 gauge / 0.9 mm
square tip
silicone tube 40 cm
Luer-Lock metal adapter



- G-33455** 5.0 mm
- G-33456** 6.0 mm
- G-33457** 7.0 mm

DISPOSABLE INFUSION TUBING

20 gauge / 0.9 mm
silicone tube 25 cm
Luer-Lock synthetic adapter
10 per box, sterile



- G-33460** declined, 4.0 mm
- G-33461** declined, 6.0 mm

Silicone tube:
Inside diameter 1.1 mm, wall thickness 0.6 mm

CANNULAS, I/A-INSTRUMENTS vitreoretinal

Viscous Aspiration and Injection, PFCL,
Retinal Detachment

Geuder®

3

WEBER

ASPIRATING CANNULA

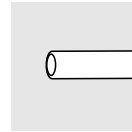
for viscous fluid
inside: 22 gauge / 0.7 mm
outside: 20 gauge / 0.9 mm

G-33051

5.0 mm

G-33052

10.0 mm

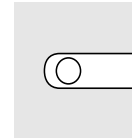


G-33056

ROIDER

ASPIRATING CANNULA

for viscous fluid
lateral aspiration port 0.7 mm
19 gauge / 1.0 mm



STOPPER

for viscous fluid aspiration
with tube connection

G-33060

for disposable syringe 5 ml

G-33065

for disposable syringe 10 ml

G-33066

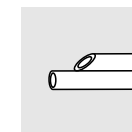
for disposable syringe 20 ml



G-33055

PFCL-CANNULA

with two tubes
24 gauge / 0.55 mm
lateral tube
25 gauge / 0.5 mm

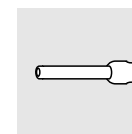


G-33057

CHANG

CANNULA

for injection of heavy liquids (PFCL)
tapered tube 25 gauge / 0.50 mm
central port for injection, 0.40 mm
outer shaft 20 gauge / 0.90 mm,
with 0.50 mm lateral ports for drainage

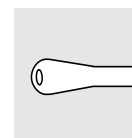


G-33059

BARTZ-SCHMIDT

CANNULA FOR RETINAL DETACHMENT

20 gauge / 0.9 mm
2 lateral ports 0.5 mm
90° transposed
tapered tube 19 mm
25 gauge / 0.5 mm
with probe tip 0.9 mm
aspirating port 0.15 mm



CANNULAS, I/A-INSTRUMENTS vitreoretinal

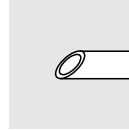
Injections and Disposable Injection Tubings

Geuder®

INJECTION TUBING

for viscous fluid, declined
without silicone tube
20 gauge / 0.9 mm
for Butterfly-19-cannula

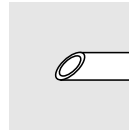
- G-33484** 4.0 mm
- G-33485** 5.0 mm
- G-33486** 6.0 mm
- G-33487** 7.0 mm



INJECTION TUBING

for viscous fluid, declined
without silicone tube
20 gauge / a0.9 mm
for Butterfly-21-cannula

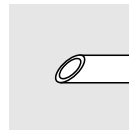
- G-33494** 4.0 mm
- G-33495** 5.0 mm
- G-33496** 6.0 mm
- G-33497** 7.0 mm



DISPOSABLE INJECTION TUBING

for viscous fluid, declined
20 gauge / 0.9 mm
silicone tube 40 cm
Luer-Lock synthetic adapter
2 metal sleeves
10 per box, sterile

- G-33480** 4.0 mm
- G-33481** 6.0 mm



- G-33475** **SPARE SILICONE TUBE**
length 40 cm
for injection tubings
3 per box

without picture

Silicone tube:
inside diameter 1.0 mm, wall thickness 1.0 mm

CANNULAS, I/A-INSTRUMENTS vitreoretinal

Viscous Injection

Geuder®

3

DUISBURG MODEL

INJECTION TUBING

for viscous fluid, declined
20 gauge / 0.9 mm
square tip
silicone tube 25 cm, 2 metal sleeves
Luer-Lock metal adapter

- G-32180** 4.0 mm
- G-32181** 5.0 mm
- G-32182** 6.0 mm



HAMBURG MODEL

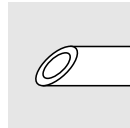
INJECTION TUBING

for viscous fluid, declined
20 gauge / 0.9 mm
square tip
silicone tube 25 cm, metal sleeve
Luer-Lock metal adapter
can be screwed with the silicone tube
3 spare silicone tubes, length 25 cm

- G-33470** 4.0 mm
- G-33471** 5.0 mm
- G-33472** 6.0 mm



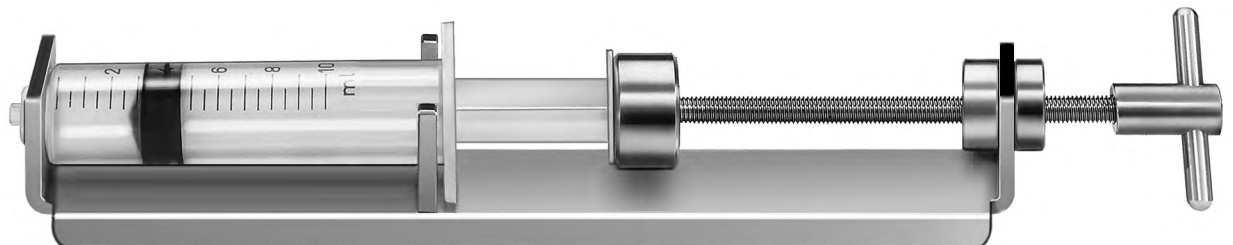
- G-32698** **HEIDELBERG MODEL**
INJECTION CANNULA
for viscous fluid
1.20 mm, 30°



- G-32696** **DISPOSABLE PRESSURE TUBE**
for viscous fluid injection
Luer-Lock, female/male
10 per box, sterile



- G-32697** **PRESSURE TUBE**
for viscous fluid injection
Luer-Lock, female/male

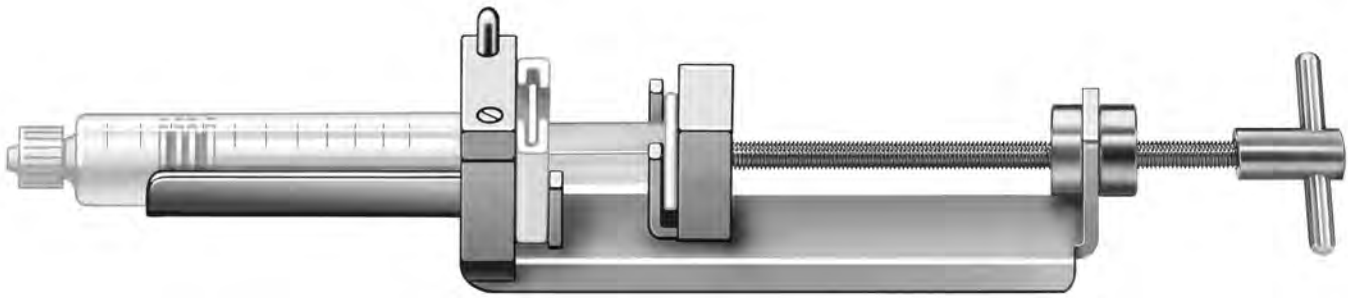


- G-31890** **SYRINGE HOLDING DEVICE**
for viscous fluid injection
metal, for disposable
syringes, Luer-Lock, 10 ml
- G-31891** **DISPOSABLE SYRINGE**
Luer-Lock, 10 ml, sterile

CANNULAS, I/A-INSTRUMENTS vitreoretinal

Viscous Injection

Geuder®



G-28752 MANUAL SYRINGE HOLDING DEVICE
for viscous fluid injection for glass syringes
incl. suppressing device
and to retract piston



SYRINGE CLIP
inscription as desired

- G-19960** for 2 ml syringes
- G-19961** for 5 ml syringes



DISPOSABLE SYRINGE

- G-31891** Luer-Lock, 10 ml, sterile
- G-31893** Luer-Lock, 20 ml, sterile



G-28750 HOLDER
for pneumatic viscous
fluid injection to insert
10 ml disposable syringes

CANNULAS, I/A-INSTRUMENTS vitreoretinal

Disposable and Reusable Multiway Taps
Disposable Filters, Adapters

Geuder®

3

G-23991 DISPOSABLE THREE-WAY TAP

synthetic material, sterile
2 x Luer-Lock female
1 x Luer-Lock male



G-23990 TWO-WAY TAP

metal
2 x Luer-Lock female
1 x Luer-Lock male



G-31520 DISPOSABLE MINI FILTER

OPTEX, 0.22 mm
sterile



G-28760 ADAPTER FOR GLASS SYRINGE

for pneumatic viscous fluid injection
applicable for SILURON
G-80720 and G-80820



CANNULAS, I/A-INSTRUMENTS

Silicon Bulbs, Sterilizing Rack

Geuder®



G-32665 SILICONE BULB
20 ml
with Luer Cone



G-32670 SILICONE BULB
60 ml
with Luer Cone



G-32660 STERILIZING RACK
silicone
for 12 cannulas

For further Cannulas, please see section 6,
p. 45-47

CURETTES, SPOONS

Chalazion Currettes

Geuder®

4



G-15900 MEYHÖFER
CHALAZION CURETTE
1.0 mm



G-15870 MEYHÖFER
CHALAZION CURETTE
2.0 mm



G-15875 MEYHÖFER
CHALAZION CURETTE
2.5 mm



G-15880 MEYHÖFER
CHALAZION CURETTE
3.0 mm



G-15885 MEYHÖFER
CHALAZION CURETTE
4.0 mm



G-15890 MEYHÖFER
CHALAZION CURETTE
4.5 mm

CURETTES, SPOONS

Chalazion Currettes, Exenteration Currettes

Geuder®



G-15840 *HEBRA*
CHALAZION CURETTE
small



G-15845 *HEBRA*
CHALAZION CURETTE
medium



G-15850 *HEBRA*
CHALAZION CURETTE
large



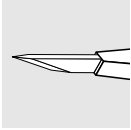
G-15910 *AXENFELD*
CHALAZION CURETTE
double ended



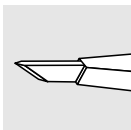
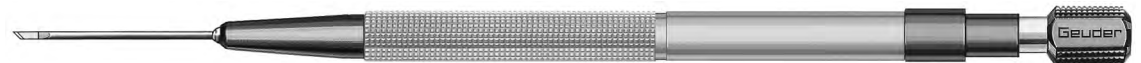
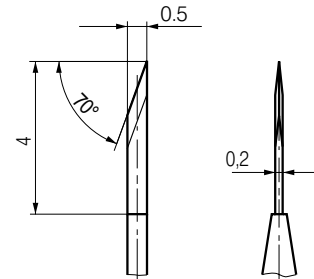
G-31545 *BUNGE*
EXENTERATION CURETTE
medium



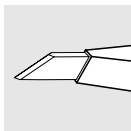
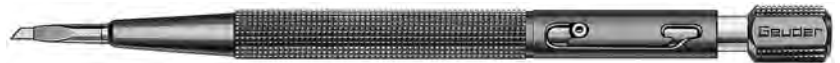
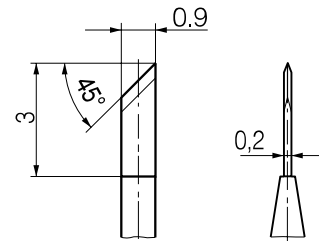
G-31555 *BUNGE*
EXENTERATION CURETTE
large



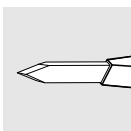
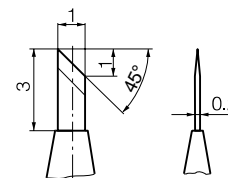
G-31487 MICRO DIAMOND KNIFE
titanium
for Visco Canalostomy
0.50 x 0.20 mm



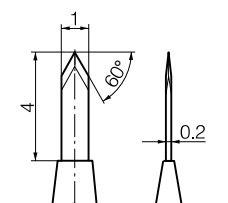
G-31477 RETINA DIAMOND KNIFE
titanium
20 gauge / 0.9 mm



G-19344 DIAMOND KNIFE
titanium
1.00 x 0.20 mm

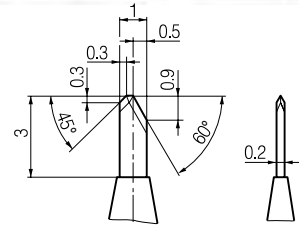
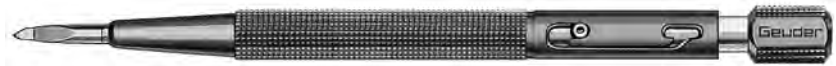
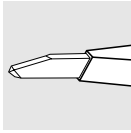


G-31475 DIAMOND KNIFE
titanium
for paracentesis
1.00 x 0.20 mm

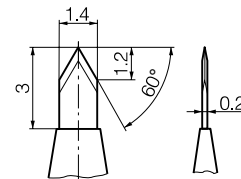
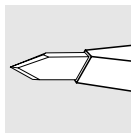


DIAMOND KNIVES

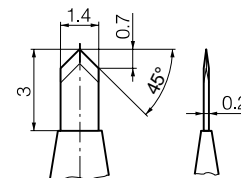
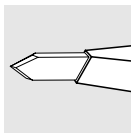
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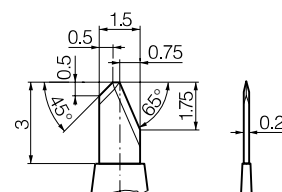
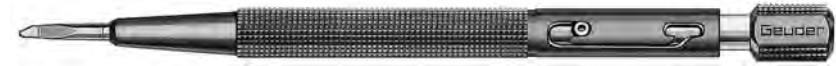
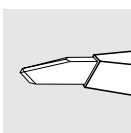
G-19342 **THREE-CUT DIAMOND KNIFE**
titanium
1.00 x 0.20 mm



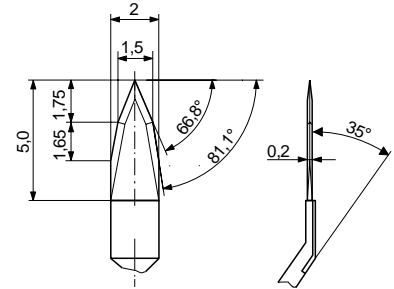
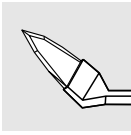
G-19341 **DIAMOND KNIFE**
titanium
1.40 x 0.20 mm



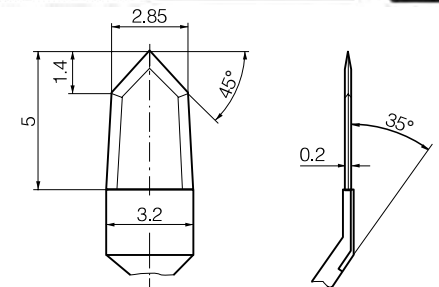
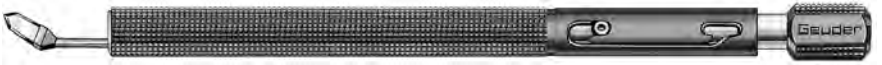
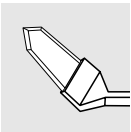
G-19343 **DIAMOND KNIFE**
titanium
1.40 x 0.20 mm



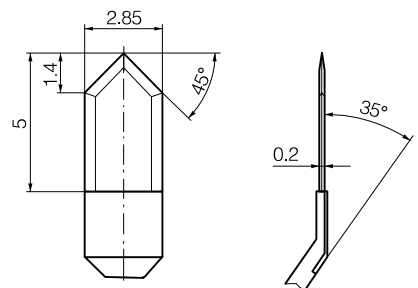
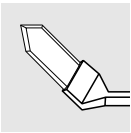
G-31473 *PHAM*
THREE-CUT DIAMOND KNIFE
titanium
1.50 x 0.20 mm



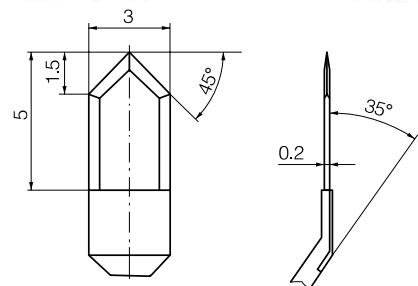
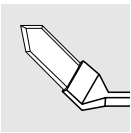
G-31448 CLEAR-CORNEA-INCISION DIAMOND KNIFE
for bimanual Phaco
1.50 x 2.00 mm



G-31454 CLEAR-CORNEA-INCISION DIAMOND KNIFE
titanium, 35° angled
lateral cutting edges
2° conical
front 2.85 mm, rear 3.20 mm



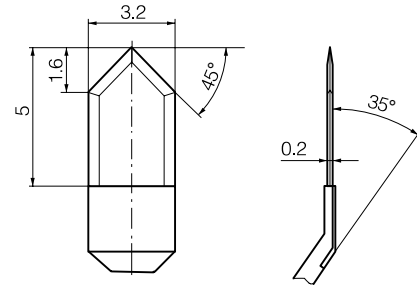
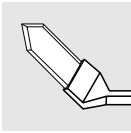
G-31453 CLEAR-CORNEA-INCISION DIAMOND KNIFE
titanium, 35° angled
2.85 x 0.20 mm



G-31451 CLEAR-CORNEA-INCISION DIAMOND KNIFE
titanium, 35° angled
3.00 x 0.20 mm

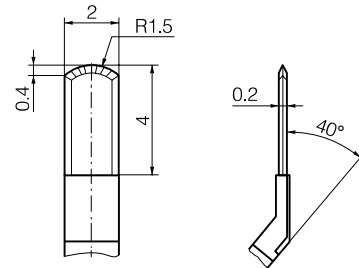
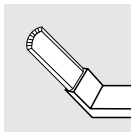
DIAMOND KNIVES

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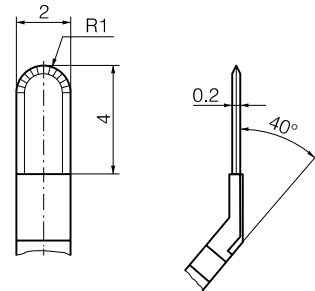
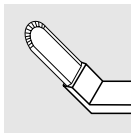
G-31452 CLEAR-CORNEA-INCISION DIAMOND KNIFE

titanium, 35° angled
3.20 x 0.20 mm



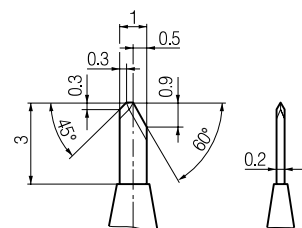
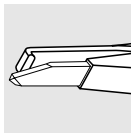
G-31465 DIAMOND SPATULA KNIFE

titanium, 40° angled
2.00 x 0.20 mm
all edges sharp
radius of blade 1.50 mm



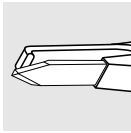
G-31466 DIAMOND SPATULA KNIFE

titanium, 40° angled
2.00 x 0.20 mm
all edges sharp
radius of blade 1.00 mm

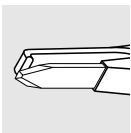
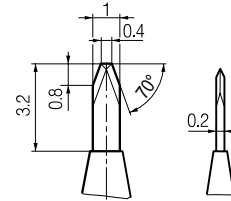


G-31470 THREE-CUT DIAMOND STEP KNIFE

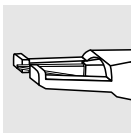
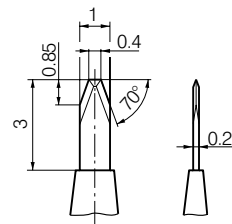
titanium, 1.00 x 0.20 mm
stepwise adjustable



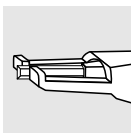
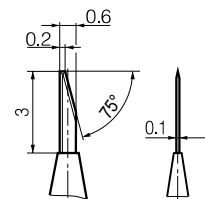
G-31474 THREE-CUT DIAMOND STEP KNIFE
 titanium, 1.00 x 0.20 mm
 depth of incision 0.3 mm
 not adjustable



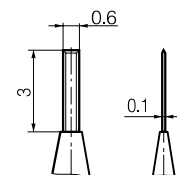
G-31468 LIMBAL RELAXING INCISION MICRO DIAMOND KNIFE
 titanium, 1.00 x 0.20 mm
 depth of incision 0.6 mm
 not adjustable



G-31480 DIAMOND KNIFE
 for keratotomy
 titanium, with micrometer screw
 3 cutting edges
 flat cutting face 0.2 mm
 angle 15°
 thickness of blade 0.1 mm

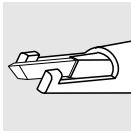


G-31481 DIAMOND KNIFE
 for keratotomy
 titanium, with micrometer screw
 3 cutting edges
 flat cutting face 0.6 mm
 thickness of blade 0.1 mm

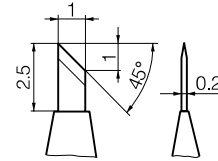


DIAMOND KNIVES

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G-19345 DIAMOND KNIFE
for keratotomy
titanium, with micrometer screw
1 cutting edge 45°
thickness of blade 0.2 mm



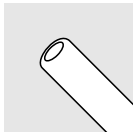
G-19349 MEASURING GAUGE
for measuring incision depth
setting at diamond knives
for keratotomy

DISPOSABLE INSTRUMENTS

Cannulas

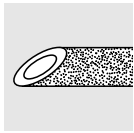
Geuder®

6

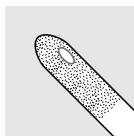


G-34235 *RYCROFT A. C. CANNULA*
20 gauge / 0.90 x 22 mm
5 per box, sterile

G-34240 *RYCROFT A. C. CANNULA*
25 gauge / 0.50 x 25 mm
5 per box, sterile

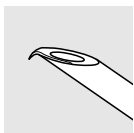


G-34260 *A. C. MAINTAINER*
20 gauge / 0.90 mm
5 per box, sterile



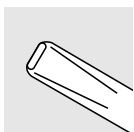
G-34255 *KRATZ CAPSULE POLISHER*
23 gauge / 0.60 mm
5 per box, sterile

G-34257 *KRATZ CAPSULE POLISHER*
21 gauge / 0.80 mm
5 per box, sterile

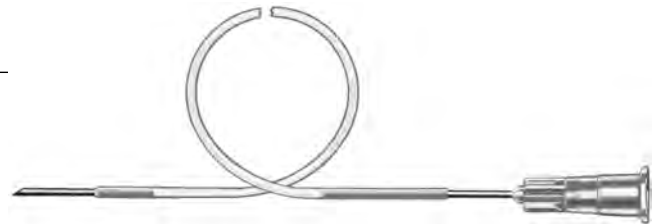


G-34225 *CYSTOTOME CANNULA*
side cutting
25 gauge / 0.50 mm
5 per box, sterile

G-34230 *CYSTOTOME CANNULA*
25 gauge / 0.50 mm
5 per box, sterile



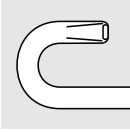
G-34245 *SAUTTER*
HYDRODISSECTION CANNULA
27 gauge / 0.40 x 22 mm
5 per box, sterile



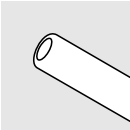
DISPOSABLE INSTRUMENTS

Cannulas

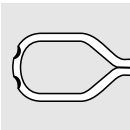
Geuder®



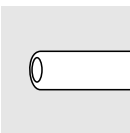
- G-34250 HYDRODISSECTION CANNULA**
with flat tip
25 gauge / 0.50 x 20 mm
5 per box, sterile



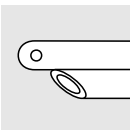
- G-34290 LACRIMAL CANNULA**
curved
26 gauge / 0.45 x 30 mm
5 per box, sterile



- G-34265 IRRIGATING VECTIS CANNULA**
double holed
25 gauge / 0.50 mm
5 per box, sterile



- G-34275 IRRIGATING/ASPIRATING CANNULA**
21 gauge / 0.80 x 35 mm
5 per box, sterile



- G-34280 SIMCOE IRRIGATING/ASPIRATING CANNULA**
aspiration port, 0.30 mm
23/23 gauge / 0.64/0.64 mm
5 per box, sterile

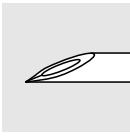


DISPOSABLE INSTRUMENTS

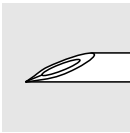
Cannulas

Geuder®

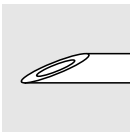
6



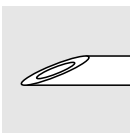
G-34200 RETROBULBAR CANNULA
25 gauge / 0.50 x 40 mm
5 per box, sterile



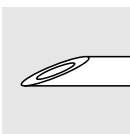
G-34205 RETROBULBAR CANNULA
extra long
25 gauge / 0.50 x 50 mm
5 per box, sterile



G-34210 ATKINSON RETROBULBAR CANNULA
25 gauge / 0.50 x 40 mm
5 per box, sterile



G-34215 ATKINSON RETROBULBAR CANNULA
23 gauge / 0.64 x 40 mm
5 per box, sterile



G-34220 ATKINSON PERIBULBAR CANNULA
25 gauge / 0.50 x 30 mm
5 per box, sterile



For further cannulas, please see section 3,
p. 7-36

DISPOSABLE INSTRUMENTS

Cannulas Vitreoretinal

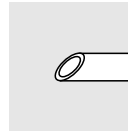
Geuder®

DISPOSABLE INFUSION TUBING

20 gauge / 0.9 mm
silicone tube 25 cm
Luer-Lock synthetic adapter
10 per box, sterile

G-33460 declined, 4.0 mm

G-33461 declined, 6.0 mm



DISPOSABLE INJECTION TUBING

for viscous fluid, declined
20 gauge / 0.9 mm
silicone tube 40 cm
Luer-Lock synthetic adapter
2 metal sleeves
10 per box, sterile

G-33480 4.0 mm

G-33481 6.0 mm



G-31891 DISPOSABLE SYRINGE

Luer-Lock, sterile
10 ml



G-32696 DISPOSABLE PRESSURE TUBE

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



G-31520 DISPOSABLE MINI FILTER

OPTEX, 0.22 µm
sterile



G-23991 DISPOSABLE THREE-WAY TAP

synthetic material, sterile
2 x Luer-Lock female
1 x Luer-Lock male



For further infusion and injection tubings,
please see section 3, p. 30,32,33.

DISPOSABLE INSTRUMENTS

Corneal Trephines, Accessories, Corneal Punches,
non-sterile

Geuder®

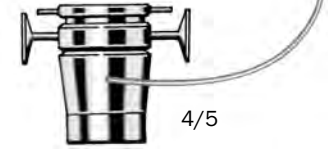
6



VACUUM TREPHINES

with x-hair, sterile

G-51-840-650	6.50 mm	G-51-840-775	7.75 mm	G-51-840-850	8.50 mm
G-51-840-700	7.00 mm	G-51-840-800	8.00 mm	G-51-840-900	9.00 mm
G-51-840-750	7.50 mm	G-51-840-825	8.25 mm	G-51-840-950	9.50 mm



CORNEAL PUNCHES

sterile

G-51-850-675	6.75 mm	G-51-850-825	8.25 mm
G-51-850-725	7.25 mm	G-51-850-875	8.75 mm
G-51-850-775	7.75 mm	G-51-850-925	9.25 mm
G-51-850-800	8.00 mm	G-51-850-975	9.75 mm



STANDARD-TREPHINES

sterile

G-51-900-600	6.00 mm	G-51-900-725	7.25 mm	G-51-900-850	8.50 mm
G-51-900-625	6.25 mm	G-51-900-750	7.50 mm	G-51-900-875	8.75 mm
G-51-900-650	6.50 mm	G-51-900-775	7.75 mm	G-51-900-900	9.00 mm
G-51-900-675	6.75 mm	G-51-900-800	8.00 mm	G-51-900-925	9.25 mm
G-51-900-700	7.00 mm	G-51-900-825	8.25 mm	G-51-900-950	9.50 mm



X-HAIR TREPHINES

sterile

G-51-901-600	6.00 mm	G-51-901-725	7.25 mm	G-51-901-850	8.50 mm
G-51-901-625	6.25 mm	G-51-901-750	7.50 mm	G-51-901-875	8.75 mm
G-51-901-650	6.50 mm	G-51-901-775	7.75 mm	G-51-901-900	9.00 mm
G-51-901-675	6.75 mm	G-51-901-800	8.00 mm	G-51-901-925	9.25 mm
G-51-901-700	7.00 mm	G-51-901-825	8.25 mm	G-51-901-950	9.50 mm



LONG HANDLED TREPHINES

sterile

G-51-903-600	6.00 mm	G-51-903-725	7.25 mm	G-51-903-850	8.50 mm
G-51-903-625	6.25 mm	G-51-903-750	7.50 mm	G-51-903-875	8.75 mm
G-51-903-650	6.50 mm	G-51-903-775	7.75 mm	G-51-903-900	9.00 mm
G-51-903-675	6.75 mm	G-51-903-800	8.00 mm	G-51-903-925	9.25 mm
G-51-903-700	7.00 mm	G-51-903-825	8.25 mm	G-51-903-950	9.50 mm



G-51-910 CORNEAL PUNCH
for sterile disposable Trephines

G-51-912 REPLACEMENT PTFE-BLOCKS
5 per box, sterile

CORNEAL-MARKER
5 per box, sterile

G-51-915-700 7.00 mm
G-51-915-800 8.00 mm

without picture

For further trephines, please see section 31,
p. 217-223.

DISPOSABLE INSTRUMENTS

ELSA

Gaudez®

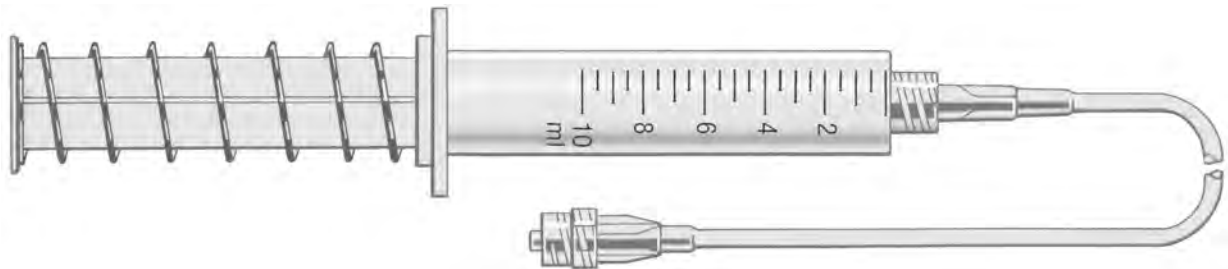
G-34300 **ELSA DISPOSABLE SYSTEM FOR LASIK**
9.00 mm, sterile



G-34195 *LOHMANN*
ELSA DISPOSABLE EPI-PEELER
6 per box, sterile

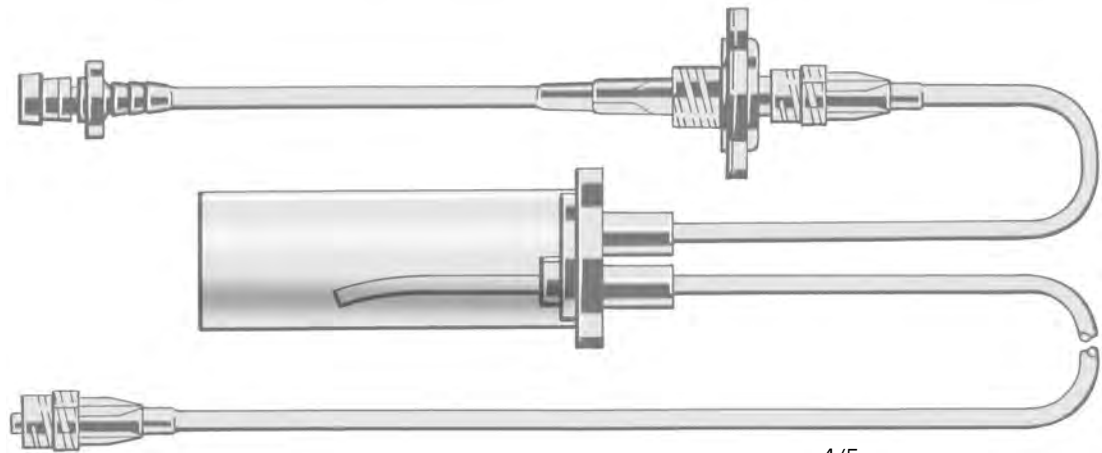


G-34310 **ELSA DISPOSABLE VACUUM SYRINGE**
sterile



4/5

G-34320 **ELSA DISPOSABLE TUBING SYSTEM**
sterile



4/5

G-34330 **ELSA VACUUM PUMP**
(Vakuum -375 / -637 mmHG)

without picture

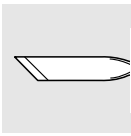
For further Lasek instruments,
please see section 17, p. 125.

DISPOSABLE INSTRUMENTS

Knives

Geuder®
NanoEdge

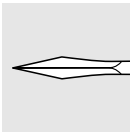
6



STAB INCISION KNIFE

15°, double bevelled
6 per box, sterile

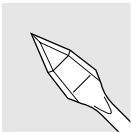
- G-34026** 15°
- G-34031** 22.5°
- G-34036** 30°
- G-34041** 45°



STILETTO (MVR) KNIFE

double bevelled
6 per box, sterile

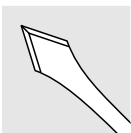
- G-34176** 19 gauge / 1.10 mm
- G-34181** 20 gauge / 0.90 mm



TRAPEZOID CLEAR CORNEA IMPLANT KNIFE

angled, bevel up
6 per box, sterile

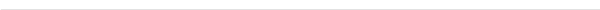
- G-34152** 1.50 mm - 2.00 mm
- G-34160** 2.85 mm - 3.20 mm
- G-34162** 2.85 mm - 3.50 mm
- G-34164** 2.85 mm - 3.75 mm
- G-34166** 3.00 mm - 3.20 mm
- G-34168** 3.00 mm - 3.50 mm
- G-34170** 3.00 mm - 3.75 mm
- G-34172** 3.20 mm - 3.50 mm
- G-34174** 3.20 mm - 3.75 mm



PHACO SLIT KNIFE

angled, 2.50 mm, bevel up
6 per box, sterile

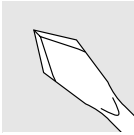
- G-34091** 2.50 mm
- G-34093** 2.65 mm
- G-34096** 2.75 mm
- G-34098** 2.85 mm
- G-34106** 3.00 mm
- G-34111** 3.20 mm



DISPOSABLE INSTRUMENTS

Knives

Geuder®
NanoEdge



CLEAR-CORNEA KNIFE

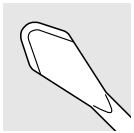
angled, bevel up
6 per box, sterile

G-34120	2.65 mm
G-34122	2.75 mm
G-34124	2.85 mm
G-34126	3.00 mm
G-34128	3.20 mm



G-34086 ROUND KNIFE

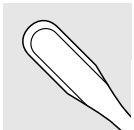
angled, bevel up
6 per box, sterile



IOL KNIFE

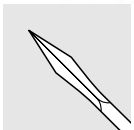
angled, bevel up
6 per box, sterile

G-34129	3.50 mm
G-34131	4.00 mm
G-34136	5.20 mm
G-34141	5.50 mm
G-34146	6.00 mm



G-34081 CRESCENT KNIFE

angled, bevel up
6 per box, sterile



G-34191 STILETTO KNIFE

angled, double bevelled
20 gauge / 0.90 mm
6 per box, sterile

For further knives, please see section 16,
p. 121-123 and section 5, p. 39-44.

DISPOSABLE INSTRUMENTS

Scalpel Knives Blades, Scalpel Handles, non-sterile

Geuder®

6



G-32700 SCALPEL HANDLE

G-32705 SCALPEL BLADES
bellied
100 per box, sterile



G-32710 SCALPEL BLADES
center pointed
100 per box, sterile

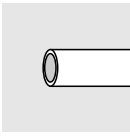


For further knives, please see section 16,
p. 121-123 and section 5, p. 39-44.

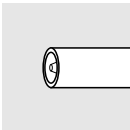
DISPOSABLE INSTRUMENTS

Light Pipes

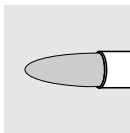
Geuder®



- G-26070 DISPOSABLE LIGHT CONDUCTOR**
plastic
20 gauge / 0.90 mm
2 per box, sterile



- G-26073 DISPOSABLE LIGHT CONDUCTOR**
synthetic material
with tapered probe
20 gauge / 0.90 mm
2 per box, sterile



- G-26075 DISPOSABLE LIGHT CONDUCTOR**
plastic
with wide-angle
20 gauge / 0.90 mm
2 per box, sterile



- G-26007 ADAPTER**
for disposable light conductor
for GEUDER cold-light sources



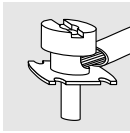
For further light pipes, please see section 10,
p. 77-79.

DISPOSABLE INSTRUMENTS

MIS Multiport Illumination System
Accessories, non-sterile

Geuder®

6



G-26210 MIS MULTI PORT ILLUMINATION SYSTEM

self-sealing for 2 instruments
outside diameter
16 gauge / 1.65 mm
inside diameter
20 gauge / 0.90 mm
1 per box, sterile

G-26211 MIS MULTI-PORT ILLUMINATION SYSTEM

10 per box, sterile

G-26235 MIS INFUSION INSERT

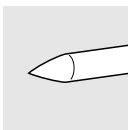
with silicon tube

without picture

G-26215 MIS ADAPTER

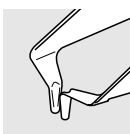
for GEUDER light sources

without picture



G-26225 TROCAR

for MIS



G-26230 SCLERAL INSERTION FORCEPS

for MIS



G-33025 STILETTO

for instruments with
20 gauge / 0.9 mm

For further light pipes, please see section 10,
p. 77-79.

DISPOSABLE INSTRUMENTS

Sponges, sterile
Holders, non-sterile

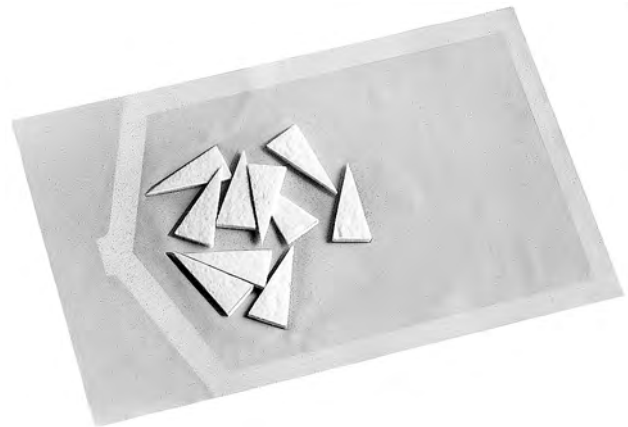
Geuder®



G-18140 **HOLDER FOR
ABSORBENT STRIPS**
with teeth



G-18150 **HOLDER FOR
ABSORBENT STRIPS**
serrated



G-18127 **ABSORBENT STRIPS**
17 mm long
20 per box
sterile

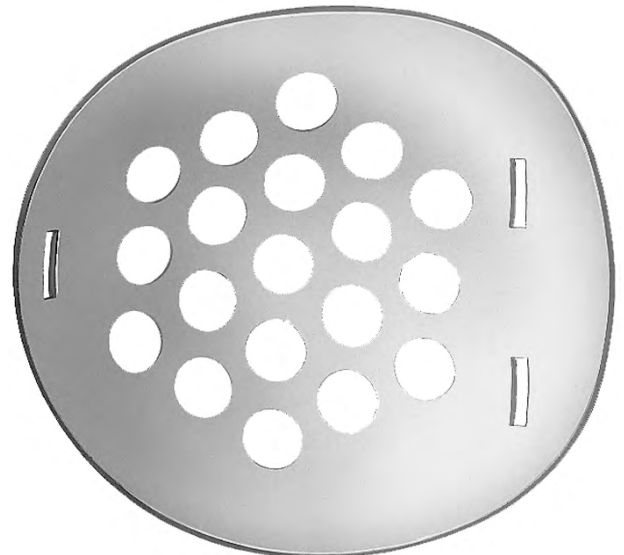
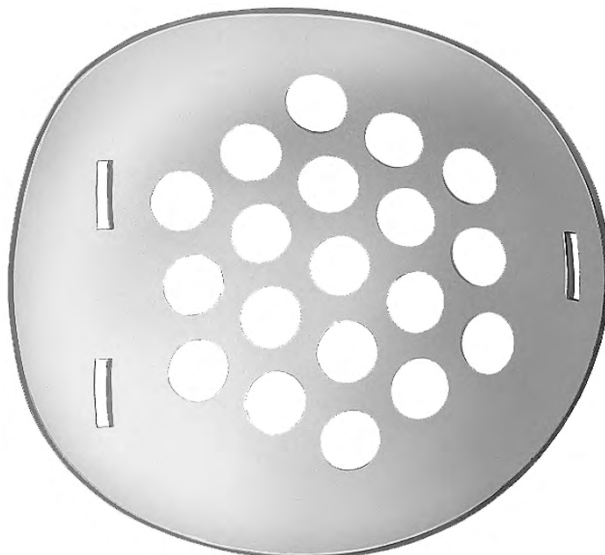
EYE SHIELDS

Geuder®



CHARITÉ MODEL
EYE SHIELD
aluminum

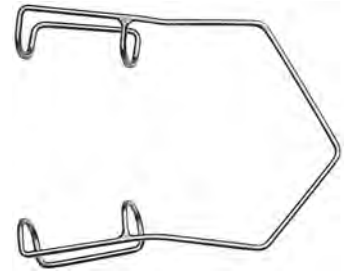
- G-19835 right
- G-19836 left



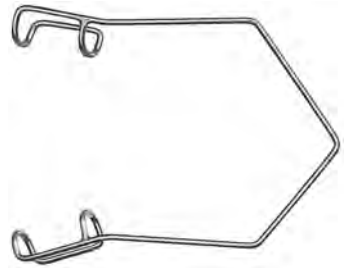
EYE SHIELD
supramide

- G-19830 right
- G-19831 left

G-17020 *BARRAQUER*
EYE SPECULUM
fenestrated



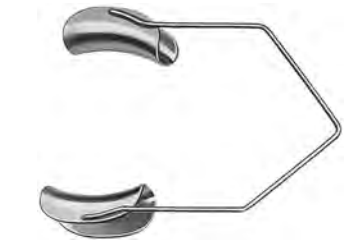
G-17025 *BARRAQUER*
EYE SPECULUM
fenestrated, for infants



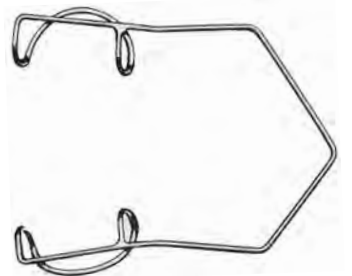
G-17023 *BARRAQUER*
EYE SPECULUM
fenestrated
for premature infants



G-17026 *BARRAQUER*
EYE SPECULUM
solid blades



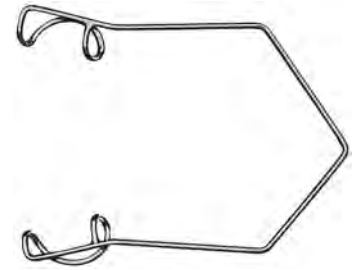
G-32136 *BARRAQUER*
EYE SPECULUM
fenestrated, round blades



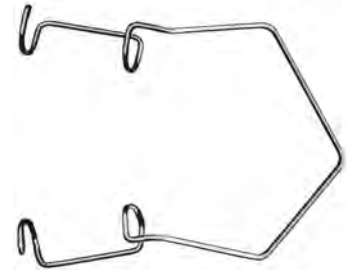
EYE SPECULA

Geuder®

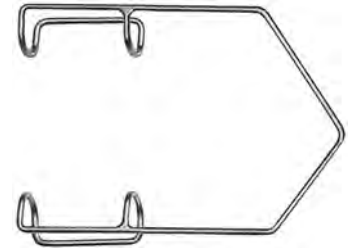
G-32137 *BARRAQUER*
EYE SPECULUM
fenestrated, round blades
for infants



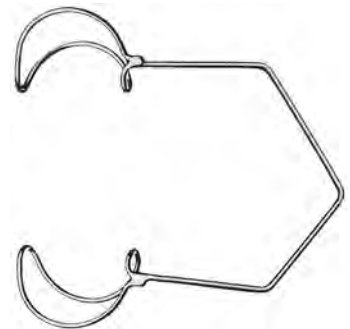
G-32148 *BARRAQUER*
EYE SPECULUM
fenestrated, open blades



G-32149 *BARRAQUER*
FRANKFURT MODEL
EYE SPECULUM
fenestrated, large



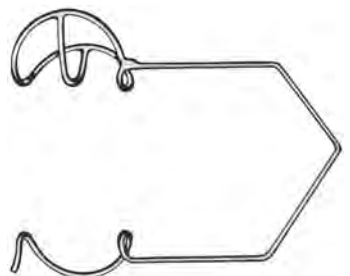
G-32133 *KRATZ-BARRAQUER*
EYE SPECULUM
fenestrated, round blades



OHNO
EYE SPECULUM
fenestrated

G-32126 right

G-32127 left



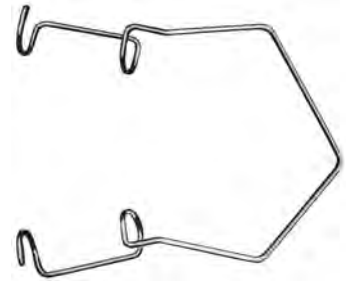
EYE SPECULA

adjustable

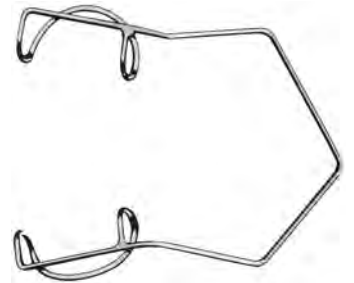
Geuder®

8

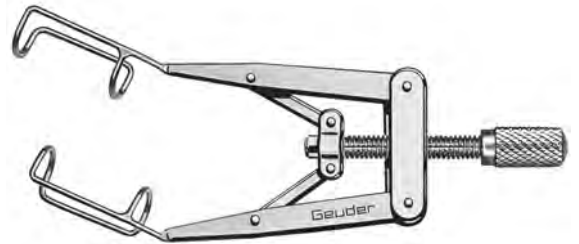
G-17004 *H.-R. KOCH*
EYE SPECULUM
for nasal placement
fenestrated
open blades



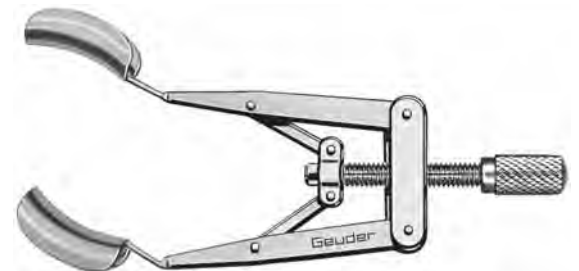
G-32129 **EYE SPECULUM**
for nasal placement
fenestrated
round blades



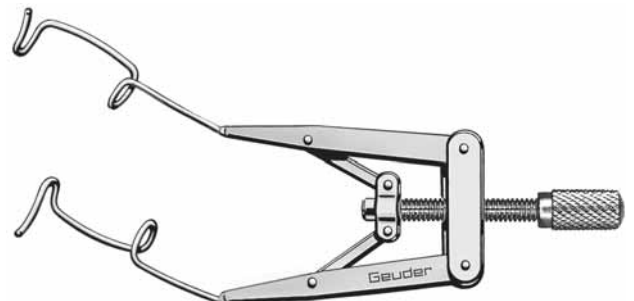
G-15965 *KERSHNER*
EYE SPECULUM
open blades
for temporal placement



G-15966 *KERSHNER*
EYE SPECULUM
solid blades
for nasal and temporal placement



G-15960 *LIEBERMANN-TENNANT*
EYE SPECULUM
fenestrated, open blades
for temporal placement

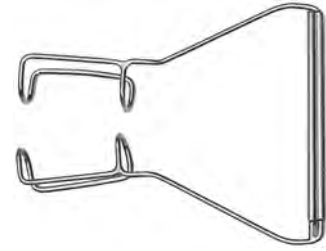


EYE SPECULA

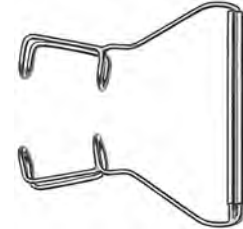
adjustable

Geuder®

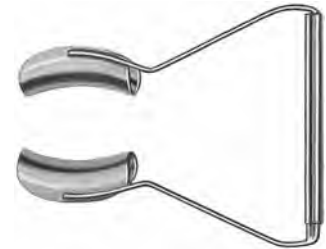
G-17010 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, fenestrated



G-17011 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, fenestrated
for infants



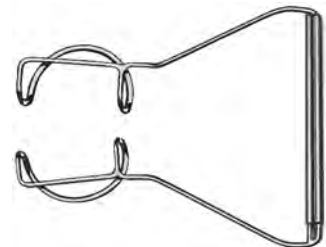
G-17015 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, solid blades



G-17016 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, solid blades
for infants



G-32138 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, fenestrated
round blades



G-32139 *BARRAQUER-OOSTERHUIS*
EYE SPECULUM
adjustable, fenestrated
round blades, for infants



EYE SPECULA

adjustable

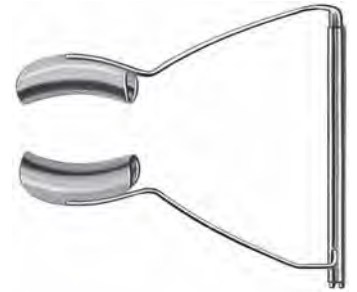
Geuder®

8

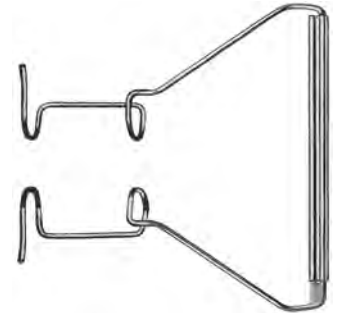
NEUHANN
EYE SPECULUM
adjustable

G-17027 solid blades

G-17028 fenestrated
(not illustrated)



G-17017 *BARRAQUER-OOSTERHUIS-KRATZ*
EYE SPECULUM
adjustable, fenestrated
open blades



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



TAZAWA
EYE SPECULUM
round blades

G-32144 right, adjustable, fenestrated

G-32154 left, adjustable, fenestrated

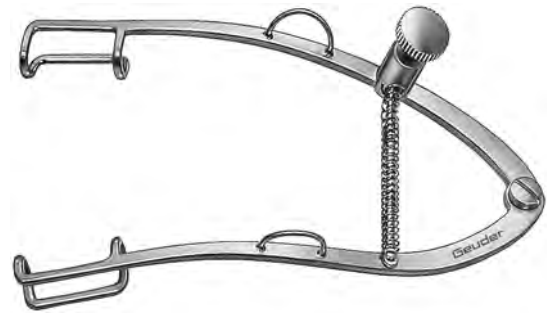


EYE SPECULA

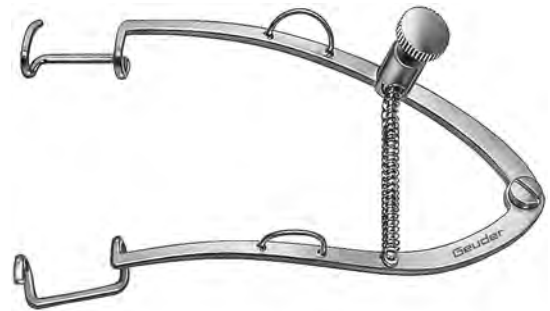
adjustable

Geuder®

G-15950 WEISS
EYE SPECULUM
fenestrated



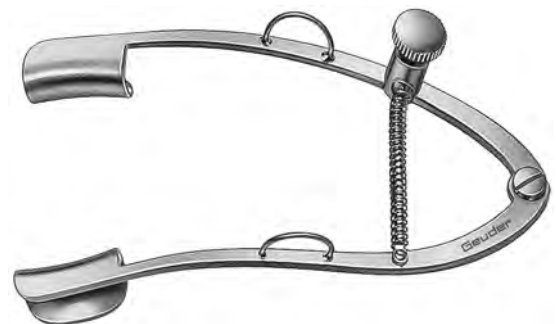
G-15951 WEISS
EYE SPECULUM
fenestrated, open blades



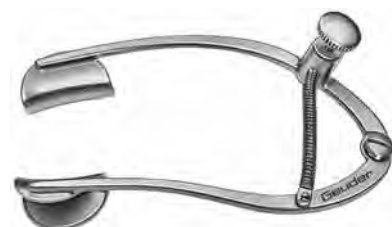
G-15955 WEISS
EYE SPECULUM
fenestrated, for infants



G-15970 WEISS
EYE SPECULUM
solid blades



G-15975 WEISS
EYE SPECULUM
solid blades, for infants



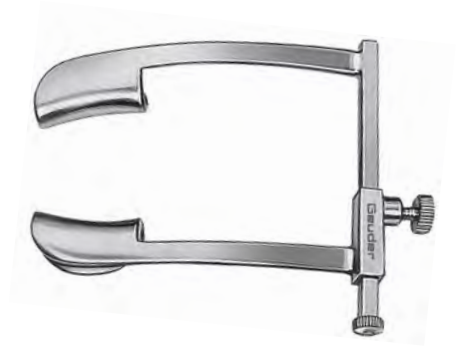
EYE SPECULA

adjustable

Geuder®

8

G-15990 COOK
EYE SPECULUM
large



G-15995 COOK
EYE SPECULUM
medium



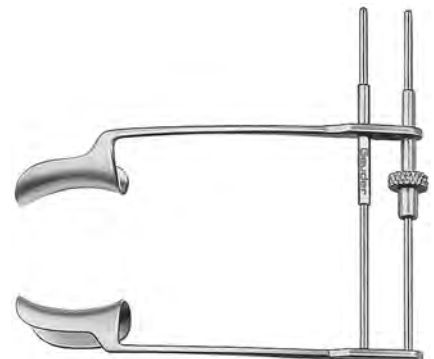
G-16000 COOK
EYE SPECULUM
small



G-32128 COOK
EYE SPECULUM
for infants



G-16010 BANGERTER
EYE SPECULUM

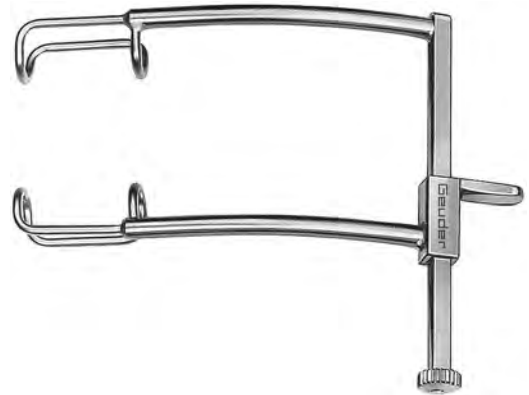


EYE SPECULA

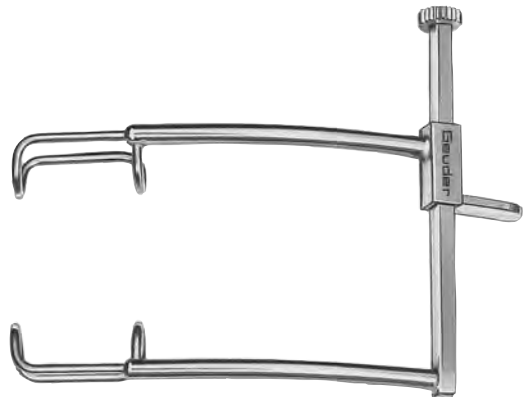
adjustable

Geuder®

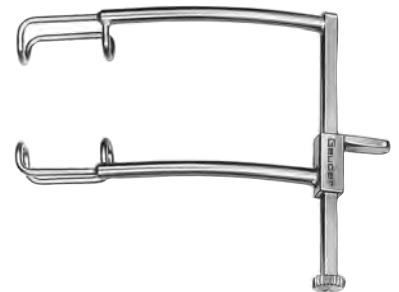
G-17000 *MURDOCK*
EYE SPECULUM
left



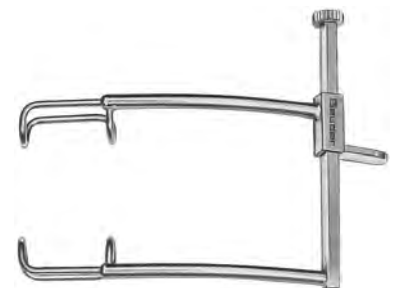
G-17001 *MURDOCK*
EYE SPECULUM
right



G-17002 *MURDOCK*
EYE SPECULUM
small, left



G-17003 *MURDOCK*
EYE SPECULUM
small, right



EYE SPECULA

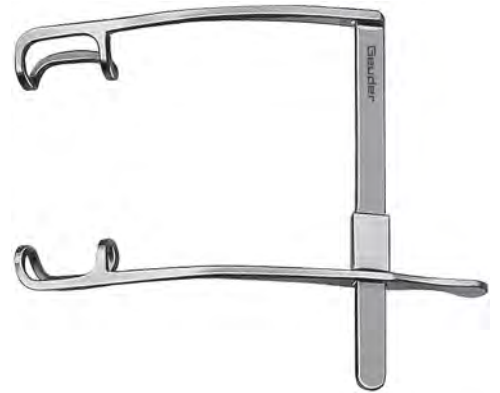
adjustable

Geuder®

8

PRETORI
EYE SPECULUM

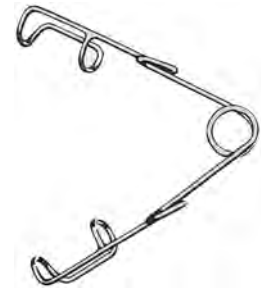
- G-16050** left
 - G-16055** right
-



G-17030 *SAUER*
EYE SPECULUM



G-32134 *TAKEDA*
EYE SPECULUM
fenestrated, for infants



CASTROVIEJO
LIDSPERRER

- G-16020** small (14 mm blades)
- G-16025** medium (16 mm blades)
- G-16030** large (18 mm blades)



EYE SPECULA

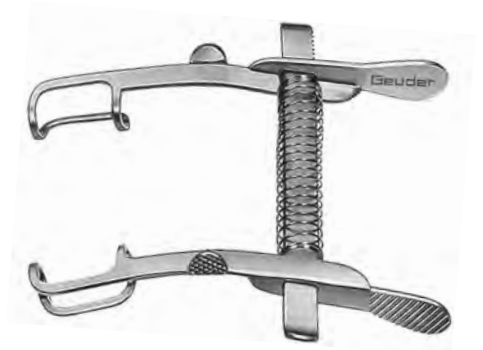
adjustable

Geuder®

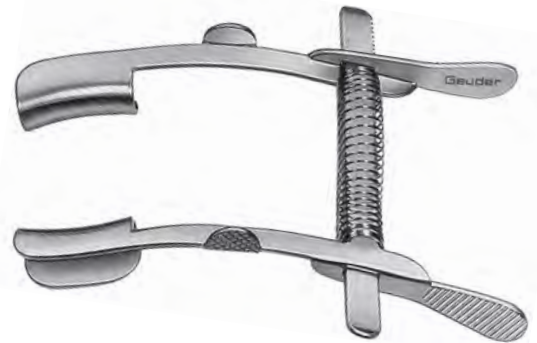
G-15945 MELLINGER
EYE SPECULUM



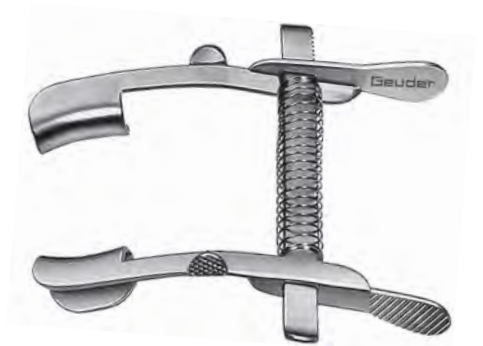
G-32130 MELLINGER
EYE SPECULUM
for infants



G-15946 MELLINGER-BEARD
EYE SPECULUM



G-32135 MELLINGER-BEARD
EYE SPECULUM
for infants

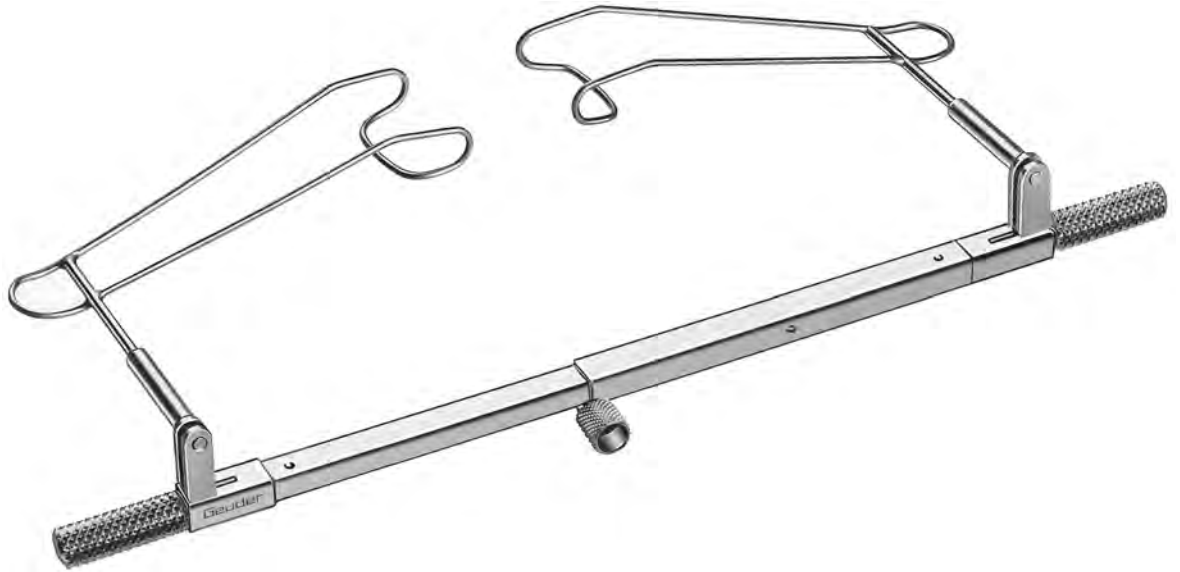


EYE SPECULA

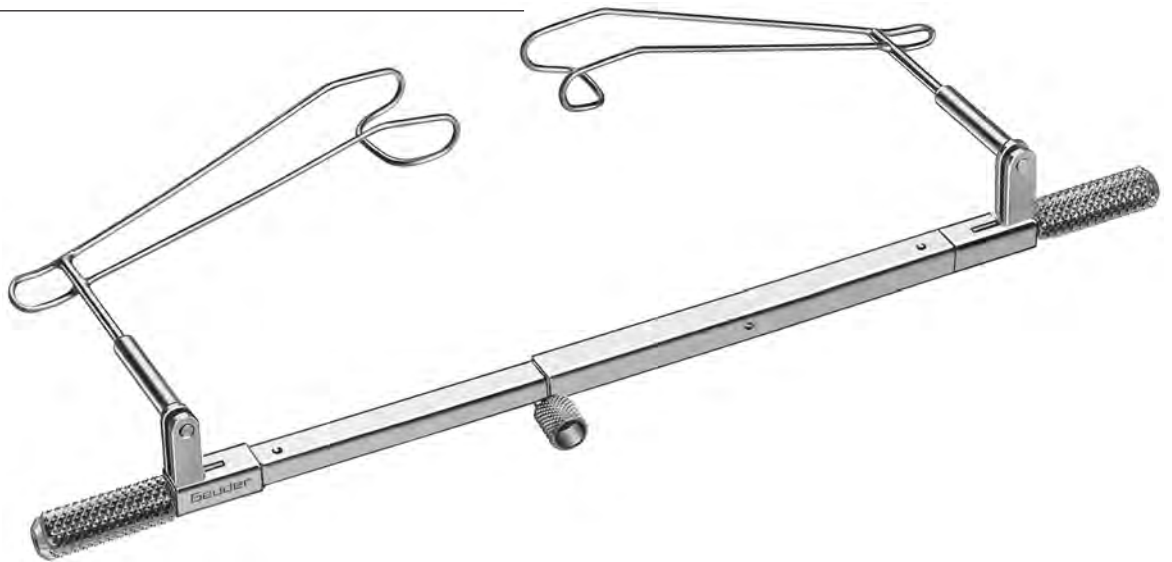
adjustable

Geuder®

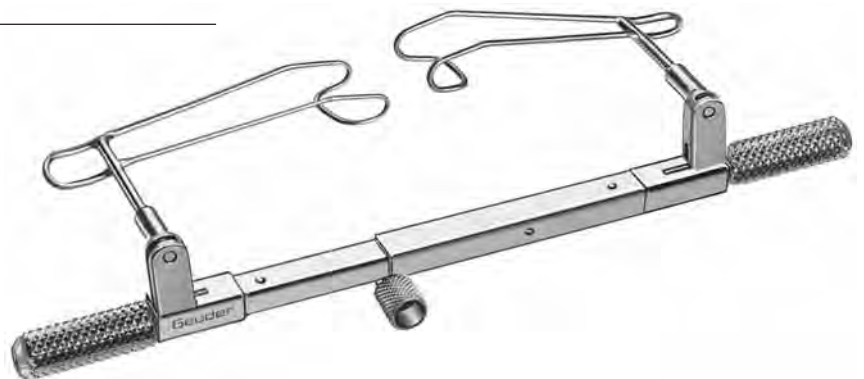
8



G-15920 SCHOTT
EYE SPECULUM
fenestrated, weight: 17 g



G-15925 SCHOTT
EYE SPECULUM
fenestrated, for infants
weight: 17 g



G-15919 SCHOTT
EYE SPECULUM
fenestrated, for infants
weight: 13 g

EYE SPECULA

adjustable

Geuder®



G-15921 SCHOTT
EYE SPECULUM
solid blades
weight: 17 g



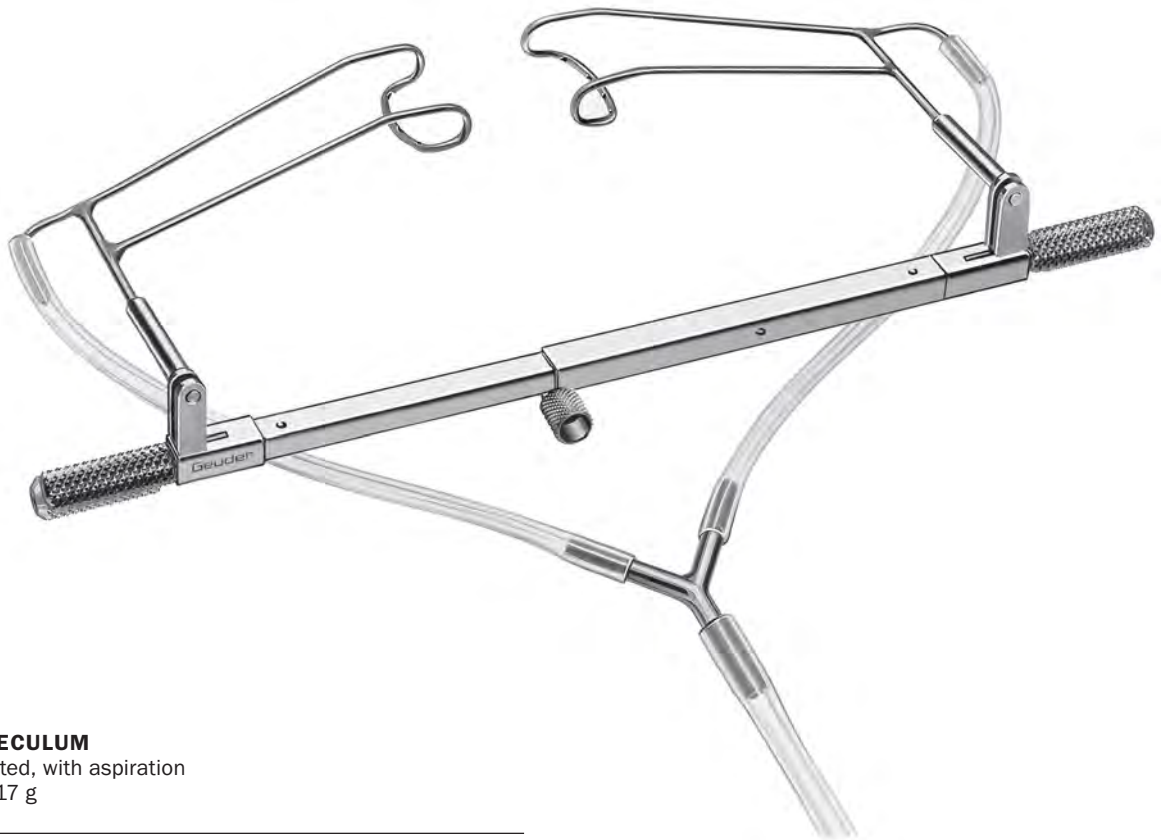
G-15928 SCHOTT
EYE SPECULUM
solid blades, for infants
weight: 17 g

EYE SPECULA

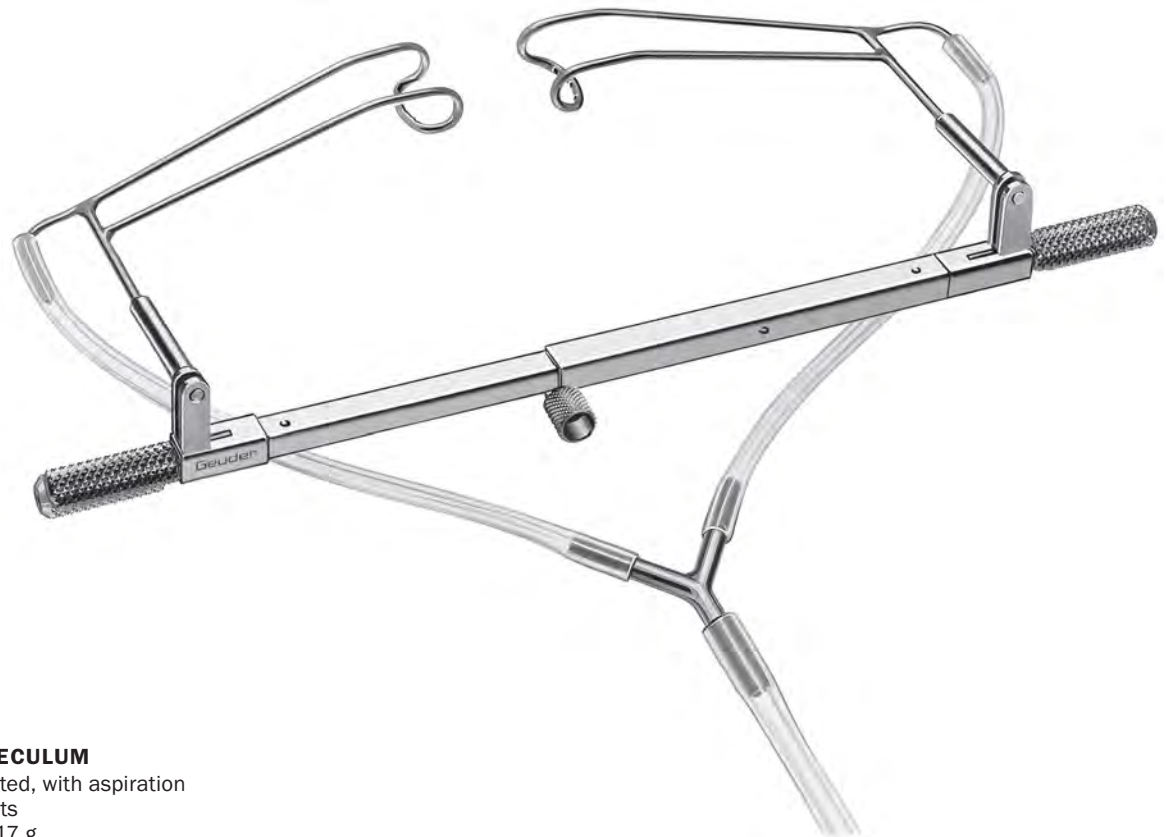
with Aspiration,
adjustable

Geuder®

8



G-15927 SCHOTT
EYE SPECULUM
fenestrated, with aspiration
weight: 17 g



G-15926 SCHOTT
EYE SPECULUM
fenestrated, with aspiration
for infants
weight: 17 g

EYE SPECULA

with Aspiration,
adjustable

Geuder®



G-17019 NODA
EYE SPECULUM
with aspiration



G-17021 NODA
EYE SPECULUM
with aspiration, for infants



G-17005 PAULMANN
EYE SPECULUM
with aspiration, for PPV

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

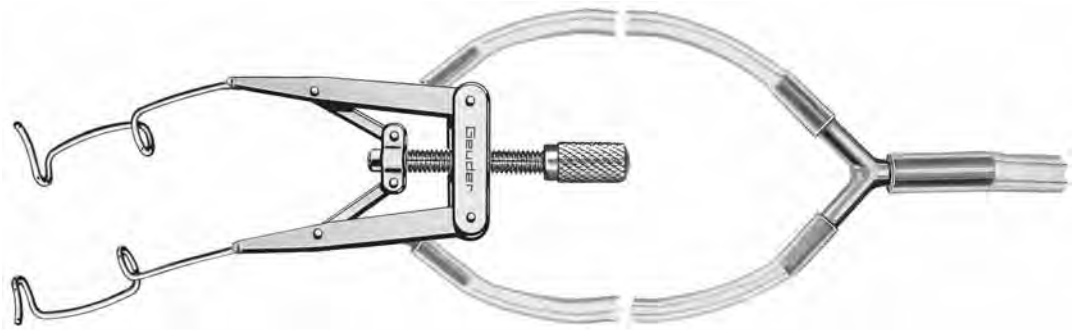


EYE SPECULA

with Aspiration,
adjustable

Geuder®

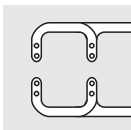
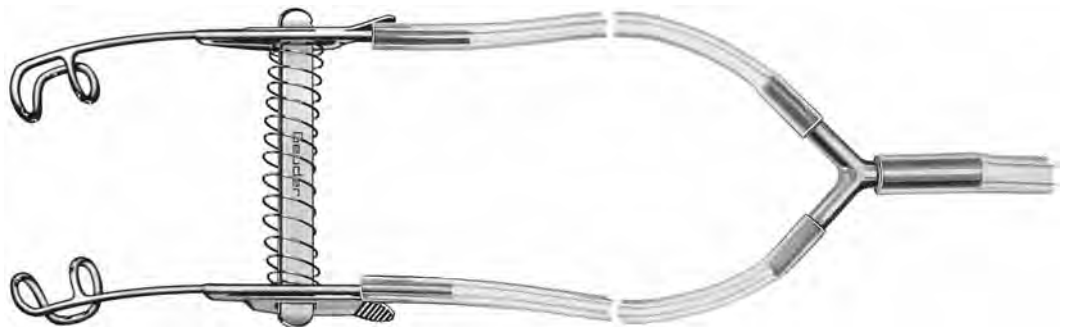
8



G-15961 *LIEBERMANN-TENNANT*
EYE SPECULUM
fenestrated, open blades
with aspiration
for temporal placement



G-17024 *KOGA/NODA*
EYE SPECULUM
with aspiration slits

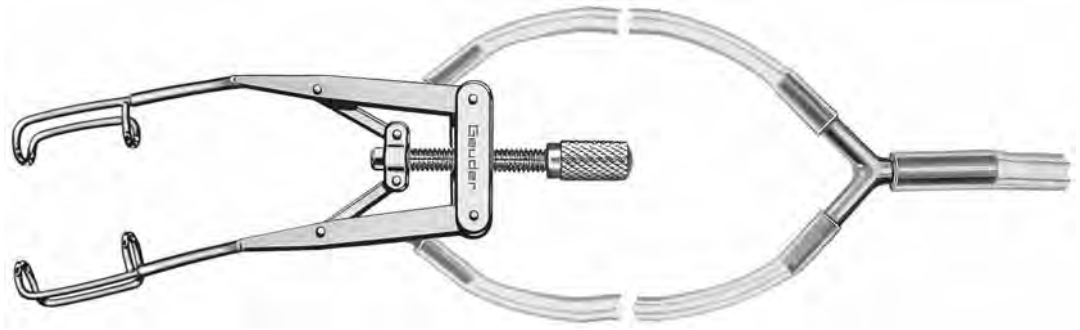


G-15962 *KAMMANN*
EYE SPECULUM
with aspiration

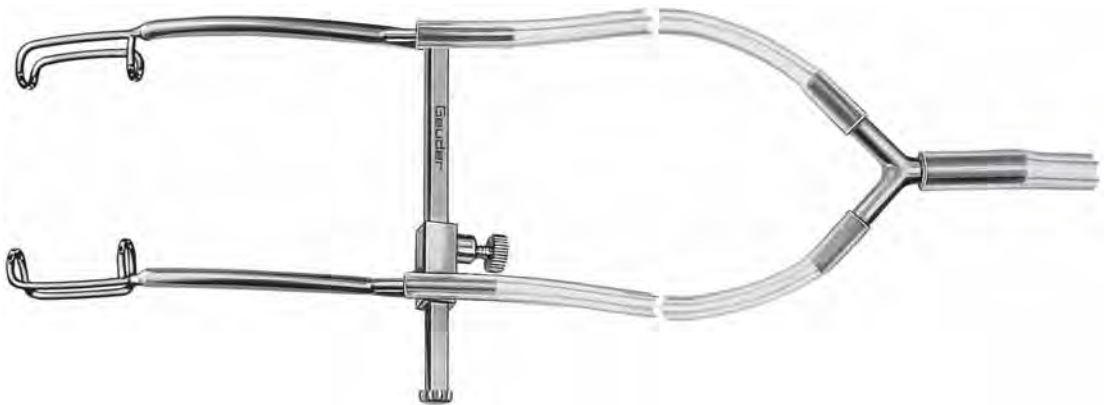
EYE SPECULA

with Aspiration,
adjustable

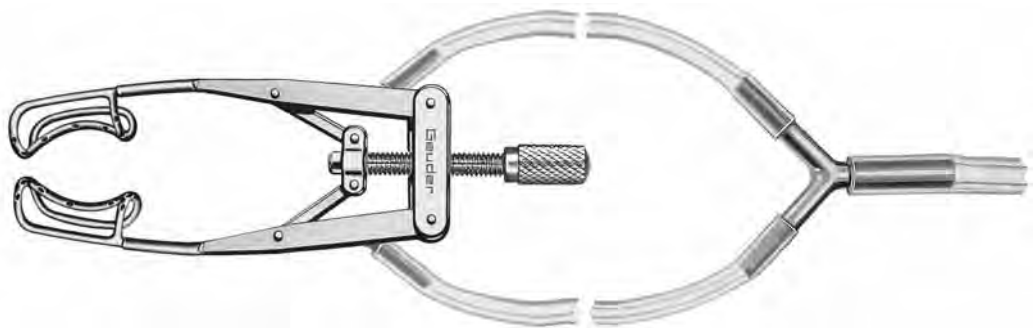
Geuder®



G-33920 *KNORZ*
LASIK EYE SPECULUM
with aspiration



G-33914 *ZIRM*
LASIK EYE SPECULUM
with aspiration



G-33925 *MAUS*
LASIK EYE SPECULUM

HARMS
EYE SPHERE
Polyamide

G-18416	16 mm
G-18417	17 mm
G-18418	18 mm
G-18419	19 mm
G-18420	20 mm



CIBIS
EYE SPHERE

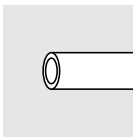
G-18316	16 mm
G-18317	17 mm
G-18318	18 mm
G-18319	19 mm
G-18320	20 mm



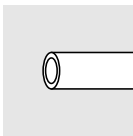
WALSER
EYE SPHERE
Polyamide

G-18516	16 mm
G-18517	17 mm
G-18518	18 mm
G-18519	19 mm
G-18520	20 mm

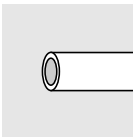




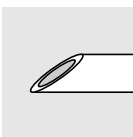
G-32113 *KILP*
FIBRE OPTIC NEEDLE LIGHT
 conductor cable not detachable
 24 gauge / 0.6 x 22 mm



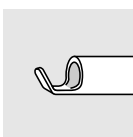
G-32114 *KILP*
FIBRE OPTIC NEEDLE
 0.9 mm diameter
 conductor cable not detachable



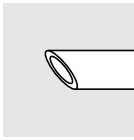
G-26030 **FIBRE OPTIC INSTRUMENT**
 20 gauge / 0.90 mm,
 to be connected with G-26020



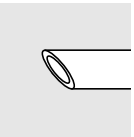
G-26040 **FIBRE OPTIC INSTRUMENT 60°**
 20 gauge / 0.90 mm,
 to be connected with G-26020



G-26050 **FIBRE OPTIC INSTRUMENT**
 20 gauge / 0.90 mm
 with hook
 to be connected with G-26020



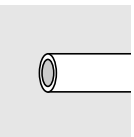
G-26060 FIBRE OPTIC INSTRUMENT
20 gauge / 0.90 mm
with infusion tube and silicone tube
to be connected with G-26020



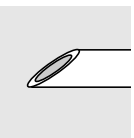
G-26062 FIBRE OPTIC INSTRUMENT
20 gauge / 0.90 mm
with aspiration tube and silicone tube
to be connected with G-26020



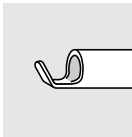
**G-26020 LIGHT CONDUCTOR
CONNECTION CABLE**



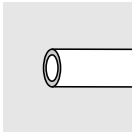
G-26035 FIBRE OPTIC INSTRUMENT
20 gauge / 0.90 mm
light conductor connection cable non-detachable



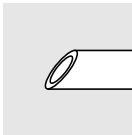
G-26045 FIBRE OPTIC INSTRUMENT 60°
20 gauge / 0.90 mm
light conductor connection cable non-detachable



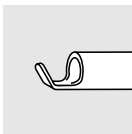
G-26055 FIBRE OPTIC INSTRUMENT
20 gauge / 0.90 mm
with hook
light conductor cable non-detachable



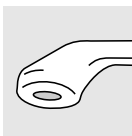
G-26065 FIBRE OPTIC INSTRUMENT
20 gauge / 0.90 mm
with infusion tube and silicone tube
light conductor cable non-detachable



G-26080 INFUSION INSTRUMENT
20 gauge / 0.90 mm, 45°
with silicone tube

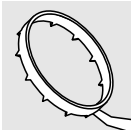


G-26090 INFUSION INSTRUMENT
20 gauge / 0.90 mm
with hook and silicone tube

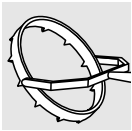


G-26115 CLEMENS INDENTATOR
with fibre optic

For further fibre optic instruments,
please see section 6, p. 54-55



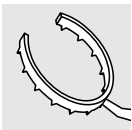
G-33755 THORNTON
FIXATION RING
inside diameter 16.0 mm
12 teeth



G-33756 THORNTON
FIXATION RING
inside diameter 16.0 mm
swivelable, 12 teeth



G-33757 **CLEAR-CORNEA-INCISION FIXATION RING**
inside diameter 16.0 mm
swivelable, 12 teeth



G-31490 **CLEAR-CORNEA-INCISION FIXATION RING**
inside diameter 16.0 mm
12 teeth



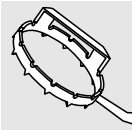
G-31491 **CLEAR-CORNEA-INCISION FIXATION RING**
inside diameter 13.0 mm
9 teeth

FIXATION RINGS

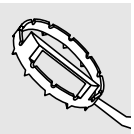
Geuder®



G-33765 WHITTEN-THORNTON
LASIK FIXATION RING
inside diameter 16.0 mm
closed 180°



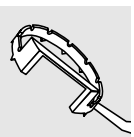
G-33766 WHITTEN-THORNTON
LASIK FIXATION RING
inside diameter 16.0 mm
closed 90° right



G-33767 WHITTEN-THORNTON
LASIK FIXATION RING
inside diameter 16.0 mm
closed 90° left



G-33768 WHITTEN-THORNTON
LASIK FIXATION RING
inside diameter 16.0 mm
closed 90° right



G-33769 WHITTEN-THORNTON
LASIK FIXATION RING
inside diameter 16.0 mm
open 90° left



G-33753 **FIXATION RING**
with concentric grooves
in the interior part of the ring
inside diameter 12.0 mm

FLIERINGA 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
-



FLUORON LIQUIDS vitreoretinal

Blueron, Densiron, Silicone Oils,
Adapters for Silicone Oil Injection

Geuder®
FLUORON

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G-81000 BLUERON®

staining solution
for intraocular use
vial 5 x 0.5ml, sterile



DENSIRON® 68

ultra purified „heavier - than - water“
endotamponade for intraocular use

G-80910 vial 10ml, sterile

G-80920 syringe 10ml, sterile



SILURON 1000

ultra purified silicone oil
for intraocular use

G-80710 vial 10ml, sterile

G-80720 syringe 10ml, sterile



SILURON 5000

ultra purified silicone oil
for intraocular use

G-80810 vial 10ml, sterile

G-80820 syringe 10ml, sterile



G-28760 ADAPTER FOR GLASS SYRINGE

for pneumatic viscous fluid injection
applicable for SILURON
G-80720 and G-80820



Please ask for our special leaflet for more details.

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FLUORON LIQUIDS vitreoretinal

Perfluorocarbons (PFCLs),
Semifluorinated Alkanes

Geuder®
FLUORON

F-DECALIN

100% fluorinated, liquid Perfluorodecalin

G-80105 5 ml per box, sterile

G-80107 7 ml per box, sterile



F-DECALIN PLUS

100% fluorinated Perfluorodecalin,
ultrapurified Perfluorohexyloctane added

G-80205 5 ml per box, sterile

G-80207 7 ml per box, sterile



F-OCTANE

100% fluorinated, liquid Perfluorooctane

G-80305 5 ml per box, sterile

G-80307 7 ml per box, sterile



F-OCTANE PLUS

100% fluorinated Perfluorooctane,
ultrapurified Perfluorohexyloctane added

G-80405 5 ml per box, sterile

G-80407 7 ml per box, sterile



VITREOUS SUBSTITUTE F6H8®

(EP 0859751)

ultrapurified Perfluorohexyloctane

G-80806 6 ml per box, steril

G-80609 9 ml per box, steril

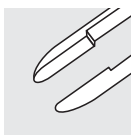


FORCEPS

Anterior Chamber, Bipolar, Capsule, Capsulorhexis

Geuder®

13



G-33440 VON BARSEWISCH
ANTERIOR CHAMBER FORCEPS



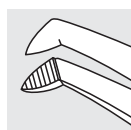
G-31215 BIPOLAR FORCEPS
straight, 10 cm (sterilizable in autoclave only)



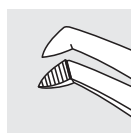
G-31216 BIPOLAR FORCEPS
angled, 10 cm (sterilizable in autoclave only)



G-19150 ARRUGA CAPSULE FORCEPS
calibrated, delicate



G-31307 CAPSULORHEXIS FORCEPS
strong model



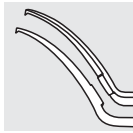
G-31308 CAPSULORHEXIS FORCEPS
extremely delicate, round handle



FORCEPS

Capsulorhexis

Geuder®



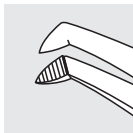
G-31300 MASKET
CAPSULORHEXIS FORCEPS



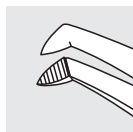
G-31301 CAPSULORHEXIS FORCEPS
without ridge, extremely delicate



G-31303 H.-R. KOCH
CAPSULORHEXIS FORCEPS
with gauge 2.0-13.0 mm



G-31305 CAPSULORHEXIS FORCEPS
extremely delicate



G-31304 CAPSULORHEXIS FORCEPS
extremely delicate

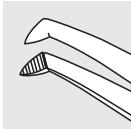


FORCEPS

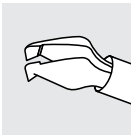
Capsule, Capsulorhexis, Multifunction

Geuder®

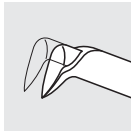
13



G-32928 n. *INAMURA*
CAPSULORHEXIS FORCEPS



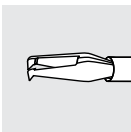
G-32935 *H.-R. KOCH*
CAPSULE FORCEPS
shaft 22 gauge / 0.70 mm



G-31306 *KAMPIK*
CAPSULORHEXIS FORCEPS
shaft 23 gauge / 0.65 mm



G-32930 *DOMINGUEZ*
CAPSULORHEXIS FORCEPS
shaft 23 gauge / 0.65 mm



G-32932 *TOBIAS NEUHANN*
MULTIFUNCTION MICRO FORCEPS
23 gauge / 0.65 mm

FORCEPS

Chalazion, Ptosis

Geuder®

G-18680 *LAMBERT*
CHALAZION FORCEPS



G-18670 *AYER*
CHALAZION FORCEPS



DESMARRES
CHALAZION FORCEPS

G-18685 20 mm

G-18690 25 mm

G-18695 31 mm



G-18700 *CAUER*
CHALAZION FORCEPS



G-18710 *LORDAN*
CHALAZION FORCEPS



G-18715 *BERKE*
PTOSIS FORCEPS



FORCEPS

Cilia, Cilia and Foreign Body

Geuder®

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G-18720 HENRY
CILIA FORCEPS



G-18730 GRADLE
CILIA FORCEPS



G-18750 BARRAQUER
CILIA FORCEPS



G-18760 SAUPE
CILIA FORCEPS



G-18740 BEER
CILIA FORCEPS



G-18850 SHAAF
CILIA AND FOREIGN BODY FORCEPS



G-31620 BARRAQUER
CILIA FORCEPS



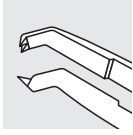
G-32740 HAMBURG MODEL
CILIA AND FOREIGN BODY FORCEPS



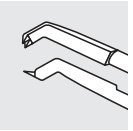
FORCEPS

Colibri, Suture

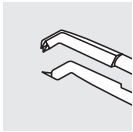
Geuder®



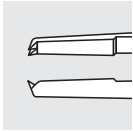
G-18950 COLIBRI FORCEPS
with tying platform



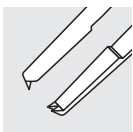
G-18960 MICRO COLIBRI FORCEPS
with tying platform



G-15134 MICRO COLIBRI FORCEPS
with tying platform, extremely delicate



**G-18965 ZUERICH MODEL
SUTURING FORCEPS**
straight, delicate



**G-18966 ZUERICH MODEL
SUTURING FORCEPS**
angled, delicate

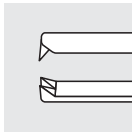


FORCEPS

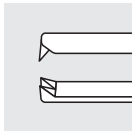
Conjunctival, Toothed

Geuder®

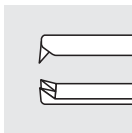
13



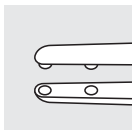
G-31230 KREFELD MODEL
CONJUNCTIVA FORCEPS



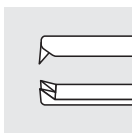
G-31235 FREIBURG MODEL
CONJUNCTIVA FORCEPS



G-18847 KAUFMANN
CONJUNCTIVA FORCEPS
with tying platform



G-18810 DRAEGER
CONJUNCTIVA FORCEPS
non-traumatic



G-18848 FÖRSTER
CONJUNCTIVA FORCEPS

FORCEPS

Corneal Fixation

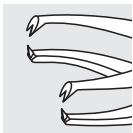
Geuder®



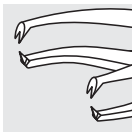
G-18970 *REMKY*
KERATOPLASTY FORCEPS



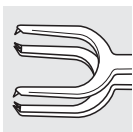
G-18972 *NEUHANN*
KERATOPLASTY FORCEPS



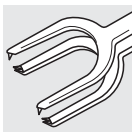
G-33700 *KREMER*
FIXATION FORCEPS
straight, with lock, width of prong 13.0 mm
1 x 2 teeth each side, 0.12 mm



G-33705 *KREMER*
FIXATION FORCEPS
curved, with lock, width of prong 13.0 mm
1 x 2 teeth each side, 0.12 mm



G-33706 *KREMER*
FIXATION FORCEPS
straight, width of prong 3.0 mm
1 x 2 teeth each side, 0.12 mm



G-33707 *KREMER*
FIXATION FORCEPS
curved, width of prong 3.0 mm
1 x 2 teeth each side, 0.12 mm



FORCEPS

Dressing, Tissue, Fixation, Fixation Hooks

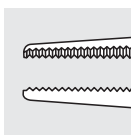
Geuder®

13

DRESSING FORCEPS

serrated

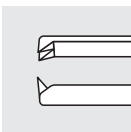
- G-18780** 0.5 mm
- G-18781** 0.7 mm
- G-18782** 1.0 mm
- G-18783** 1.2 mm
- G-18784** 1.4 mm



TISSUE FORCEPS

1 x 2 teeth

- G-18790** 0.5 mm
- G-18791** 0.7 mm
- G-18792** 1.0 mm
- G-18793** 1.2 mm
- G-18794** 1.4 mm



GRAEFE FIXATION FORCEPS

- G-19050** without look
- G-19055** with look



G-19060 HEIDELBERG MODEL FIXATION FORCEPS



G-19070 JESS FIXATION FORCEPS



G-19080 BARRAQUER FIXATION FORCEPS



TWIST FIXATION HOOK

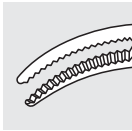
- G-15410** right
- G-15415** left



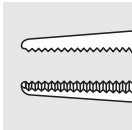
FORCEPS

Dressing, Fixation, Iris

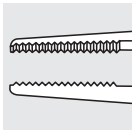
Geuder®



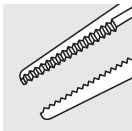
G-18856 **IRIS FORCEPS**
curved, serrated



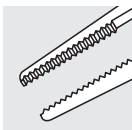
G-18855 **IRIS FORCEPS**
straight, serrated



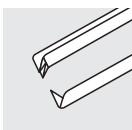
G-18908 **BONN MODEL IRIS FORCEPS**
straight, serrated



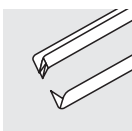
G-18906 **BONN MODEL IRIS FORCEPS**
angled, 6.0 mm, serrated



G-18911 **BONN MODEL IRIS FORCEPS**
angled, 8.0 mm, serrated



G-18905 **BONN MODEL IRIS FORCEPS**
angled, 6.0 mm, 1 x 2 teeth



G-18910 **BONN MODEL IRIS FORCEPS**
angled, 8.0 mm, 1 x 2 teeth

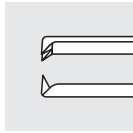


FORCEPS

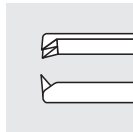
Fixation, Iris

Geuder®

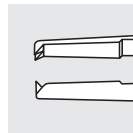
13



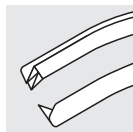
G-18900 BONN MODEL
IRIS FORCEPS
straight, 1 x 2 teeth



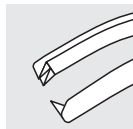
G-18845 BONN MODEL
IRIS FORCEPS
long, straight, 1 x 2 teeth



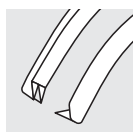
G-18890 BONN MODEL
IRIS FORCEPS
long, straight, 1 x 2 teeth, with tying platform



G-18840 SWISS MODEL
IRIS FORCEPS
curved, 1 x 2 teeth



G-18860 HEIDELBERG MODEL
IRIS FORCEPS
light curve, 1 x 2 teeth



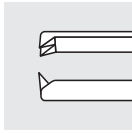
G-18870 HEIDELBERG MODEL
IRIS FORCEPS
strong curve, 1 x 2 teeth



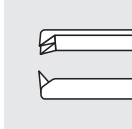
FORCEPS

Fixation, Iris

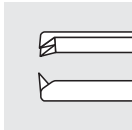
Geuder®



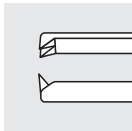
G-18857 IRIS FORCEPS
straight, 1 x 2 teeth



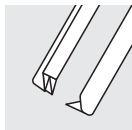
G-31953 IRIS FORCEPS
straight, 1 x 2 teeth, strong



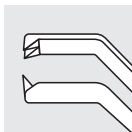
G-18846 HAMBURG MODEL IRIS FORCEPS
straight, 1 x 2 teeth



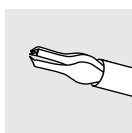
G-32240 SWISS MODEL IRIS FORCEPS
extremely delicate, 1 x 2 teeth



G-18897 ELZE IRIS FORCEPS



G-18880 HESS-ENGELKING IRIS FORCEPS
1 x 2 teeth



G-18913 TOBIAS NEUHANN IRIS FORCEPS
24 gauge / 0.60 mm

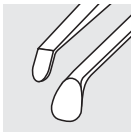


FORCEPS

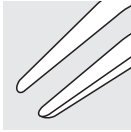
IOL, Implantation

Geuder®

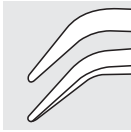
13



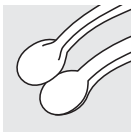
G-31958 NEUHANN
IMPLANTATION FORCEPS



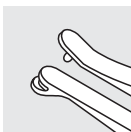
G-32165 FECHNER
IMPLANTATION FORCEPS



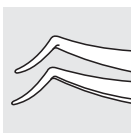
G-18935 DODEN
IMPLANTATION FORCEPS



G-18930 SHEPARD
IMPLANTATION FORCEPS
without stop
G-18931 with stop



G-18937 GEUDER MODEL (DBGM)
IMPLANTATION FORCEPS
for PCL



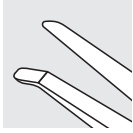
G-31957 TENNER
IMPLANTATION FORCEPS



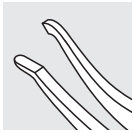
FORCEPS

IOL, Implantation, Folding

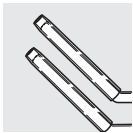
Geuder®



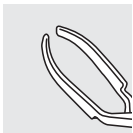
G-31998 *ELZE*
IMPLANTATION FORCEPS
for retropupillary lenses without holes



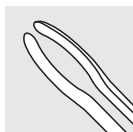
G-31999 **IMPLANTATION FORCEPS**
for biconvex IOLs



G-31962 *T. KOHNEN*
IMPLANTATION FORCEPS
silicone tube coated



G-31902 **FOLDER**
for foldable IOLs



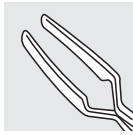
G-31903 *SPALECK*
FOLDER
for silicone and acrylic IOLs without lock

FORCEPS

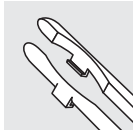
IOL, Folding

Geuder®

13



G-31909 THOMAS NEUHANN
FOLDER
for foldable IOLs



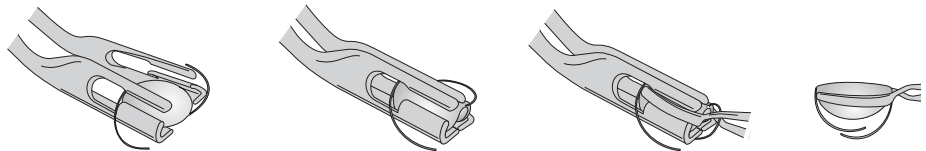
G-31908 **FOLDER**
with notches for acrylic IOLs



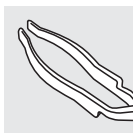
G-31994 H.-R. KOCH
UNIVERSAL PREFOLDER
for foldable silicone, hydrogel or acrylic IOLs



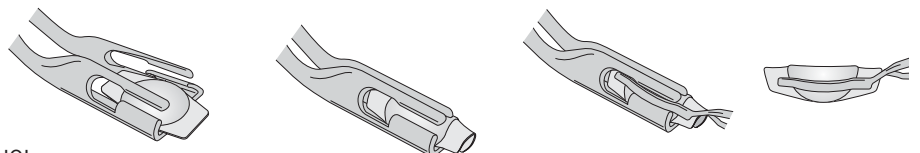
G-31905 H.-R. KOCH
3-PIECE IOL FOLDER
for foldable 3-piece IOLs



Folding Technique for 3-piece IOLs



G-31906 H.-R. KOCH
PLATE HAPTIC IOL FOLDER

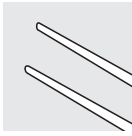


Folding Technique for plate haptic IOLs

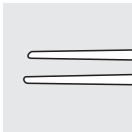
FORCEPS

IOL, Folding, Explantation

Geuder®



G-31901 **HOLDING FORCEPS**
for foldable IOLs



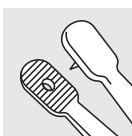
G-18941 **STROBEL**
HOLDING FORCEPS
for Pharmacia CEEon edge



G-18942 **FOLDER**
with lock
for Pharmacia CEEon edge



G-31991 **H.-R. KOCH**
PREFOLDER
for Pharmacia CEEon edge



G-32823 **EXPLANTATION FORCEPS**
for soft IOLs

FORCEPS

Lasik, Muscle

Geuder®

13

G-31899 LASIK CORNEAL FLAP
FORCEPS



G-18914 BURATTO
LASIK CORNEAL FLAP
FORCEPS



G-19137 CÜPPERS
STRABISMUS MUSCLE TUCKER



G-19110 BANGERTER
MUSCLE FORCEPS



G-19120 SATTLER
MUSCLE FORCEPS
right



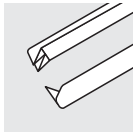
G-19125 SATTLER
MUSCLE FORCEPS
left



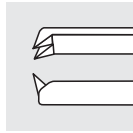
FORCEPS

Muscle, Superior Rectus

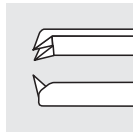
Geuder®



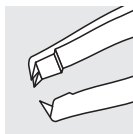
G-18820 REMKY
SUPERIOR RECTUS FORCEPS



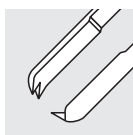
G-18800 ELSCHNIG
SUPERIOR RECTUS FORCEPS



G-18795 ELSCHNIG
SUPERIOR RECTUS FORCEPS
delicate



G-19105 LEYDHECKER
SUPERIOR RECTUS FORCEPS



G-32335 CASTROVIEJO
SUPERIOR RECTUS FORCEPS
with tying platform
angled, 0.9 mm

FORCEPS

Muscle, Nasal, Nucleus, Cracking,
Pre-Chopper

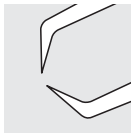
Geuder®

13

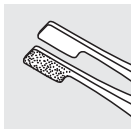
G-32350 TROELTSCH
NASAL FORCEPS



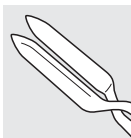
G-31515 DARDENNE
NUCLEUS FORCEPS



G-31518 NUCLEUS SPLITTER
FORCEPS



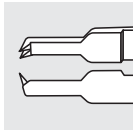
G-31519 AKAHOSHI
NUCLEUS-SPREADING FORCEPS
(Pre-Chopper)



FORCEPS

Suture

Geuder®

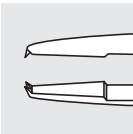


WALSER
SUTURING FORCEPS

straight
with tying platform

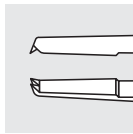
G-32340 0.5 mm

G-32345 0.8 mm



G-19008 *MUNICH MODEL*
SUTURING FORCEPS

straight, conical
with tying platform
0.35 mm



CASTROVIEJO
SUTURING FORCEPS

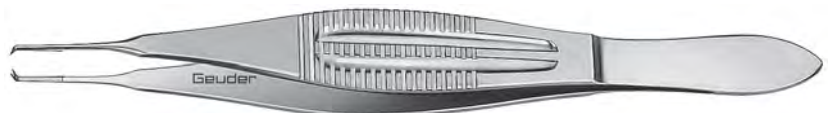
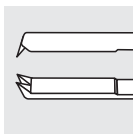
straight
with tying platform

G-19005 0.3 mm

G-19010 0.6 mm

G-19015 0.9 mm

G-19020 1.2 mm



CASTROVIEJO
SUTURING FORCEPS

new model
straight
with tying platform

G-19022 0.12 mm

G-19023 0.3 mm

G-19024 0.5 mm

G-19025 0.9 mm

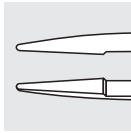
G-19026 1.2 mm

FORCEPS

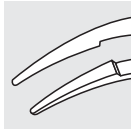
Tying

Geuder®

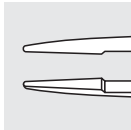
13



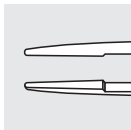
G-19030 TUEBINGEN MODEL
TYING FORCEPS
straight



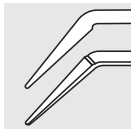
G-19040 TUEBINGEN MODEL
TYING FORCEPS
curved



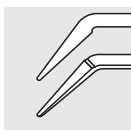
G-19035 TUEBINGEN MODEL
TYING FORCEPS
delicate



G-19034 BONN MODEL
TYING FORCEPS
extremely delicate



G-19032 **TYING FORCEPS**
angled, 7.5 mm

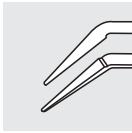


G-31625 DARDENNE
TYING FORCEPS
angled, 6.0 mm

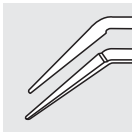
FORCEPS

Tying, Fragment

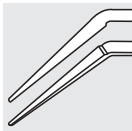
Geuder®



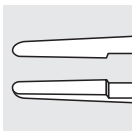
G-31623 *KELMAN-McPHERSON*
FRAGMENT FORCEPS
angled, 7.5 mm



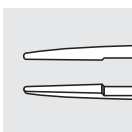
G-31622 *GASKIN*
FRAGMENT FORCEPS
angled, 9.0 mm



G-31624 *GASKIN*
FRAGMENT FORCEPS
angled, 11.0 mm



G-19045 *PAUFIQUE*
TYING FORCEPS



G-19046 *PAUFIQUE*
TYING FORCEPS
delicate

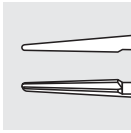


FORCEPS

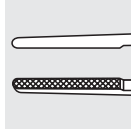
Tying, Suture Removing

Geuder®

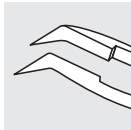
13



G-19038 *BANGERTER*
TYING FORCEPS



G-19048 **TYING FORCEPS**



G-18975 *BARRAQUER*
SUTURE REMOVING FORCEPS

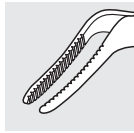
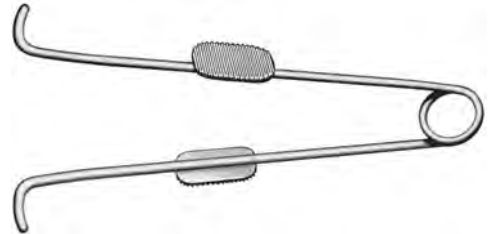
FORCEPS vitreoretinal

Cerclage, Spreading, Holding

G-19107 *ESSEN MODEL*
CERCLAGE FORCEPS



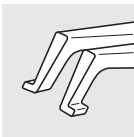
G-15815 *HOLZ*
DOUBLE MUSCLE HOOK
for encircling bands



G-19108 *HOLZ*
CERCLAGE FORCEPS



G-33752 *WATZKE*
SPREADING FORCEPS



G-33032 *HOERAUF*
SPREADING FORCEPS
for silicone oil removal

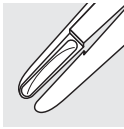


G-33434 *PFENNIGWERTH*
HOLDING FORCEPS
for vitrectomy lenses

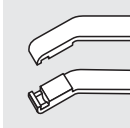
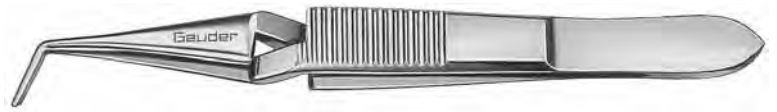


FORCEPS vitreoretinal

Holding, Insertion, Sclera Pins, Retina Pins,
Position Forceps



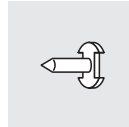
G-33439 **HOLDING FORCEPS**
for sclera pins



G-31570 **INSERTION FORCEPS**
for sclera pins



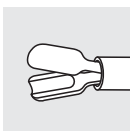
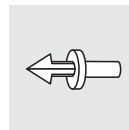
G-33436 **SCLERA PIN**
for suturing to sclera
20 gauge / 0.9 mm



G-33435 **SCLERA PIN**
20 gauge / 0.9 mm



G-33437T **HEIMANN
RETINA PIN**
titanium

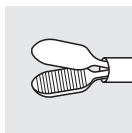


G-33438 **POSITION FORCEPS**
for Heimann retina pins



FORCEPS vitreoretinal

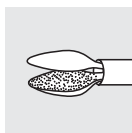
Vitrectomy



G-19811 VITRECTOMY FORCEPS

straight, serrated tips
20 gauge / 0.9 mm

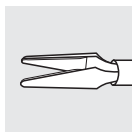
G-35000T VITRECTOMY FORCEPS, titanium



G-19813 VITRECTOMY FORCEPS

straight, rough tips
20 gauge / 0.9 mm

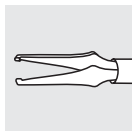
G-35005T VITRECTOMY FORCEPS, titanium



G-19814 VITRECTOMY FORCEPS

straight, silicone coated tips
20 gauge / 0.9 mm

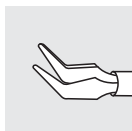
G-35010T VITRECTOMY FORCEPS, titanium



G-19816 VITRECTOMY FORCEPS

straight, grip tips
20 gauge / 0.9 mm

G-35015T VITRECTOMY FORCEPS, titanium



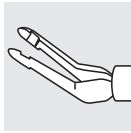
G-19817 VITRECTOMY FORCEPS

45° angled
20 gauge / 0.9 mm

G-35020T VITRECTOMY FORCEPS, titanium

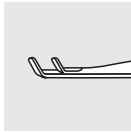
FORCEPS vitreoretinal

Vitrectomy Membrane Peelers, Vitrectomy



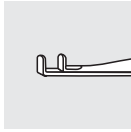
G-33800 VITRECTOMY FORCEPS
horizontal, subretinal
45° angled, 20 gauge / 0.9 mm

G-35035T VITRECTOMY FORCEPS, titanium



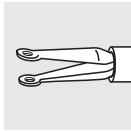
G-19819 VITRECTOMY MEMBRANE PEELER FORCEPS
45° angled
20 gauge / 0.9 mm

G-35030T VITRECTOMY MEMBRANE PEELER FORCEPS, titanium



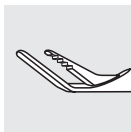
G-19818 VITRECTOMY MEMBRANE PEELER FORCEPS
90° angled
20 gauge / 0.9 mm

G-35025T VITRECTOMY MEMBRANE PEELER FORCEPS, titanium



G-33805 VITRECTOMY FORCEPS
straight, annular tips
20 gauge / 0.9 mm

G-35040T VITRECTOMY FORCEPS, titanium

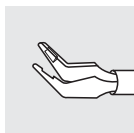


G-33810 VITRECTOMY FORCEPS
45° angled, vertical tips, subretinal
20 gauge / 0.9 mm

G-35045T VITRECTOMY FORCEPS, titanium

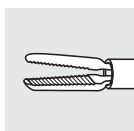
FORCEPS vitreoretinal

Vitreotomy Foreign Body,
Membrane Dissector



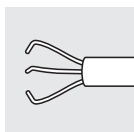
G-33815 VITRECTOMY FORCEPS
with membrane peeler tips
20 gauge / 0.9 mm

G-35050T VITRECTOMY FORCEPS, titanium



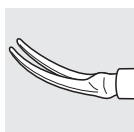
G-33820 VITRECTOMY FORCEPS
straight, serrated tips
20 gauge / 0.9 mm

G-35055T VITRECTOMY FORCEPS, titanium



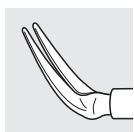
G-33830 VITRECTOMY FOREIGN BODY FORCEPS
20 gauge / 0.9 mm

G-35060T VITRECTOMY FOREIGN BODY FORCEPS, titanium



G-33835 VITRECTOMY MEMBRANE DISSECTOR
curved
20 gauge / 0.9 mm

G-35065T VITRECTOMY MEMBRANE DISSECTOR, titanium



G-33840 VITRECTOMY MEMBRANE DISSECTOR
45° angled
20 gauge / 0.9 mm

G-35070T VITRECTOMY MEMBRANE DISSECTOR, titanium

FORCEPS vitreoretinal

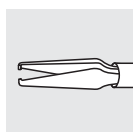
Vitreotomy



G-33845 VITRECTOMY FORCEPS

90° angled
pointed tips
20 gauge / 0.9 mm

G-35075T VITRECTOMY FORCEPS, titanium



VITRECTOMY FORCEPS

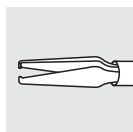
straight
endgripping, extremely delicate
20 gauge / 0.9 mm

G-33821 0.2 mm x 0.05 mm

G-33822 0.3 mm x 0.05 mm

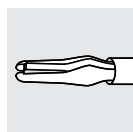
G-33823 0.2 mm x 0.1 mm

G-33824 0.3 mm x 0.1 mm



G-33865 VITRECTOMY FORCEPS

straight
endgripping, extremely delicate
0.2 mm x 0.05 mm
24 gauge / 0.6 mm

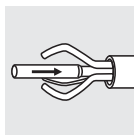


G-33860 VITRECTOMY FORCEPS

straight
grip tips
24 gauge / 0.6 mm

FORCEPS vitreoretinal

Vitrectomy, Intraocular Magnets



G-33831 REIMANN
VITRECTOMY FORCEPS
with permanent magnet
14 gauge / 2.1 mm



G-31900 KUHN
INTRAOCULAR MAGNET
15 gauge / 1.9 mm

FOREIGN BODY INSTRUMENTS

Needles, Spuds, Gouges

Geuder®

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G-14490 FOREIGN BODY NEEDLE
straight



G-14500 FOREIGN BODY NEEDLE
curved



G-14570 *PLANGE*
FOREIGN BODY SPUD



G-14480 FOREIGN BODY GOUGE

FOREIGN BODY INSTRUMENTS

Needles, Spuds, Gouges, Forceps

Geuder®



G-14550 FOREIGN BODY INSTRUMENT

in sliding handle
needle / PLANGE spud



G-14540 FOREIGN BODY INSTRUMENT

in sliding handle
needle / gouge



G-14530 FOREIGN BODY INSTRUMENT

in sliding handle
needle / spud



**G-18850 SHAAF
CILIA AND FOREIGN
BODY FORCEPS**



**G-32740 HAMBURG MODEL
CILIA AND FOREIGN
BODY FORCEPS**

INJECTORS

IOL-Injectors, Cartridges



G-32990 VISCOJECT™ IOL INJECTOR
 for one-piece IOLs, implantations of less than 2.5 mm incision size for application with Viscoject cartridge set, consisting of silicone piston and cartridge

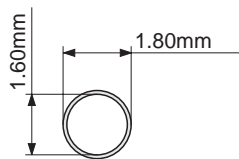
G-32994 MULTIJECT™ IOL INJECTOR
 for one and three-piece IOLS, implantations of 2.85 to 3.2 mm incision size for application with Hexa, Oval or MicroGlide cartridges



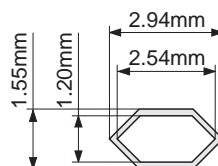
G-32991 VISCOJECT™ IOL INJECTOR
 for one-piece IOLs, implantations of less than 2.5 mm incision size for application with Viscoject cartridge set, consisting of silicone piston and cartridge

G-32995 MULTIJECT™ IOL INJECTOR
 for one and three-piece IOLS, implantations of 2.85 to 3.2 mm incision size for application with Hexa, Oval or MicroGlide cartridges

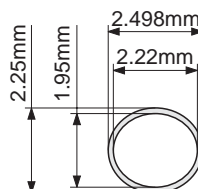
G-LP604240 VISCOJECT™ CARTRIDGE SET
 for application with G-32990 and G-32991, consisting of silicone piston and ViscoGlide™ cartridge 10 per box, sterile



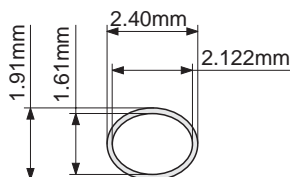
G-LC604200 HEXAGLIDE CARTRIDGE
 sterile



G-LC604210 OVALGLIDE CARTRIDGE
 sterile



G-LC604220 MICROGLIDE CARTRIDGE
 sterile



INJECTORS

IOL Injectors and Forceps,
Injectors for capsular rings and pupil dilators

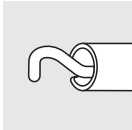
Gaudez®



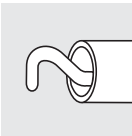
G-32975 ThinOptX IOL
INJECTOR



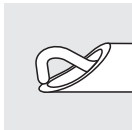
G-32985 ThinOptX IOL
FORCEPS



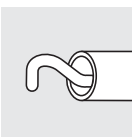
G-32960 **INJECTOR**
for MORCHER capsular tension ring



G-32965 *MENAPACE-NISHI*
INJECTOR
for MORCHER capsular edge ring



G-32966 *MENAPACE-NISHI*
INJECTOR
for MORCHER capsular edge ring 1F



G-32970 **INJECTOR**
for MORCHER pupil dilator



PHACO SLIT KNIFE
angled

- G-12441** 1.50 mm
- G-12443** 1.70 mm
- G-12444** 1.80 mm
- G-12446** 2.00 mm
- G-32511** 2.50 mm
- G-32510** 2.85 mm
- G-12459** 3.00 mm
- G-12458** 3.20 mm
- G-12457** 3.50 mm



- G-31573** *NEUHANN*
IOL-KNIFE
angled, 3.5 mm

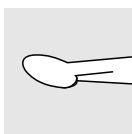


BRAUWEILER
IOL-KNIFE
angled

- G-31569** 5.0 mm
for lenses with 5.0 mm diameter
- G-31566** 5.5 mm
for lenses with 6.0 mm diameter
- G-31567** 6.0 mm
for lenses with 6.5 mm diameter
- G-31564** 6.5 mm
for lenses with 7.0 mm diameter



- G-14420** *HAMBURG MODEL*
KERATOME
angled



- G-14105** **MICRO ROUND KNIFE**
for Visco Canalostomy
1.0 mm

KNIVES, KERATOMES

Chalazion, Sato, Scleral

Geuder®



G-14000 **CHALAZION KNIFE**
delicate



G-14160 **SATO KNIFE**
long blade



G-14165 **SATO KNIFE**



G-16200 *DARDENNE*
SATO KNIFE



G-37555 *FOERSTER*
SATO KNIFE



G-14180 *BONN MODEL*
SCLERAL KNIFE
7 mm blade



G-14185 *BONN MODEL*
SCLERAL KNIFE
4 mm blade

KNIVES, KERATOMES

Crescent, Stiletto, Keratoplasty, Corneal Scarifier

Geuder®

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G-32735 *FRANKFURT MODEL*
CRESCENT KNIFE

STILETTO

for instruments with

G-33022 24 gauge / 0.6 mm

G-33023 22 gauge / 0.7 mm

G-33025 20 gauge / 0.9 mm

G-33026 19 gauge / 1.1 mm

G-33027 16 gauge / 1.6 mm



G-14200 *PAUFIQUE*
KERATOPLASTY KNIFE



G-14010 *KUHNT*
CORNEAL SCARIFIER
fig. 1



G-14020 *KUHNT*
CORNEAL SCARIFIER
fig. 2



G-14030 *KUHNT*
CORNEAL SCARIFIER
fig. 3

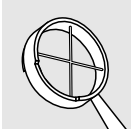
For further knives see section 6, p. 51-52,
and section 5, p. 39-44

LASEK INSTRUMENTS

Lasek, A-Lasek, Trephines, Funnels, EPI-Peelers

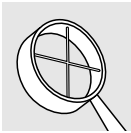
Geuder®

17



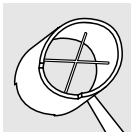
LASEK TREPHINE
with crosshairs

- G-33650** 8.0 mm
- G-33652** 9.0 mm

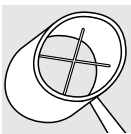


LASEK-FUNNEL
with crosshairs

- G-33655** 8.5 mm
- G-33657** 9.5 mm



- G-33660** *LOHMANN*
A-LASEK TREPHINE
8.0 x 10.0 mm
with crosshairs



- G-33665** *LOHMANN*
A-LASEK FUNNEL
8.9 x 10.7 mm
with crosshairs



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

LASEK INSTRUMENTS

ELSA Disposable System for LASEK

Gaudez®

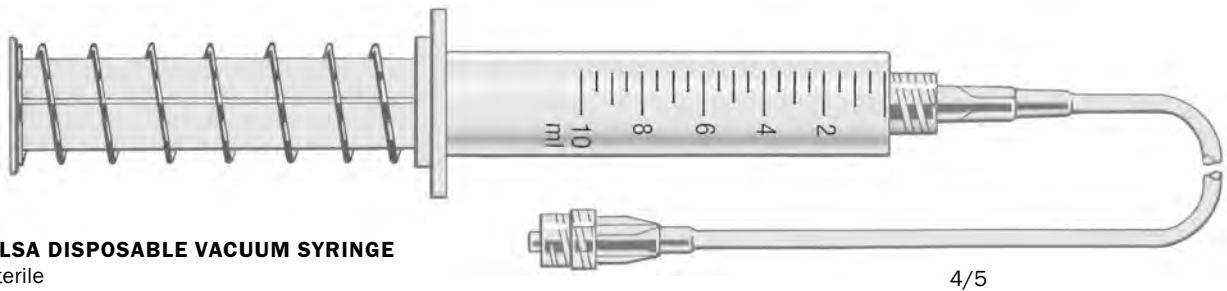
G-34300 **ELSA DISPOSABLE SYSTEM FOR LASEK**
9.00 mm, sterile



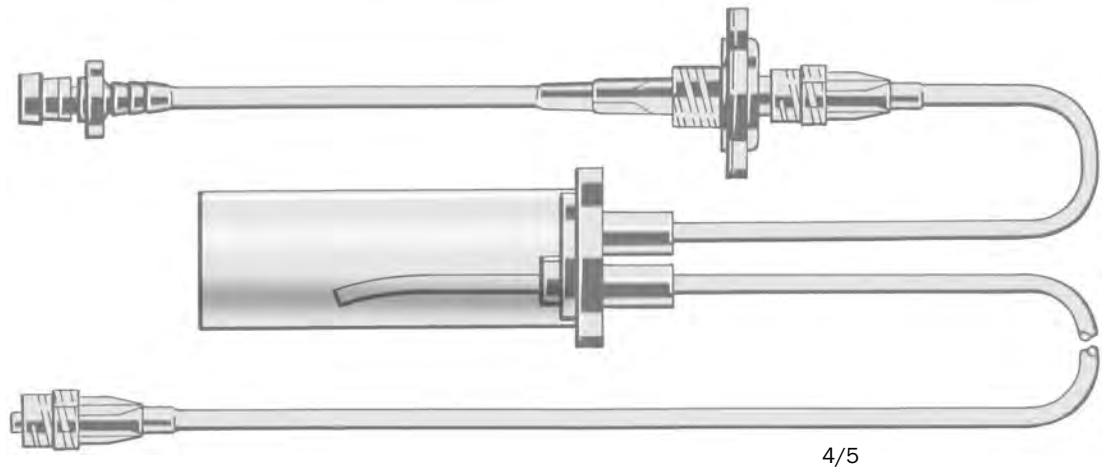
G-34195 *LOHMANN*
ELSA DISPOSABLE EPI-PEELER
6 per box, sterile



G-34310 **ELSA DISPOSABLE VACUUM SYRINGE**
sterile



G-34320 **ELSA DISPOSABLE TUBING SYSTEM**
sterile



G-34330 **ELSA VACUUM PUMP**
(Vacuum -375 / -637 mmHG)

without picture



G-15620 *ARLT*
LENS LOOP
serrated



G-15630 *SNELLEN*
LENS LOOP



G-15640 *WEBER*
LENS LOOP
small



G-15645 *WEBER*
LENS LOOP
large

G-32153 LUCKE
LOCALIZER



G-32152 LAQUA
LOCALIZER



G-32150 LAQUA
LOCALIZER
double ended



G-15710 MEYER-SCHWICKERATH
LOCALIZER



G-32027 KREISSIG
LOCALIZER
double ended



G-32715 SCLERA DEPRESSOR
double ended



G-32714 SCLERA DEPRESSOR
double ended, roughened ends



G-33708 FOERSTER
FIXATION RING WITH LOCALIZER
inside diameter 6.5 mm

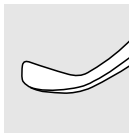


MANIPULATORS, CHOPPERS

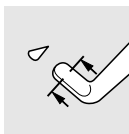
Nucleus Dividing Hooks

Geuder®

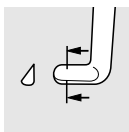
20



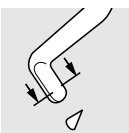
G-32505 THOMAS NEUHANN
NUCLEUS DIVIDING HOOK



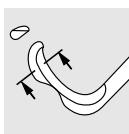
G-31500 MIYOSHI
NUCLEUS DIVIDING HOOK
straight (for 'in-line' cutting)



G-31501 MIYOSHI
NUCLEUS DIVIDING HOOK
for use with the left hand



G-31502 MIYOSHI
NUCLEUS DIVIDING HOOK
for use with the right hand

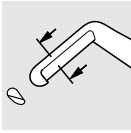


G-31504 VÖLCKER
NUCLEUS DIVIDING HOOK
for narrow pupils

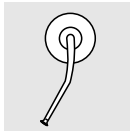
MANIPULATORS, CHOPPERS

Nucleus Dividing Hooks, Phaco-Karate-Choppers

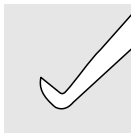
Geuder®



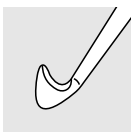
G-31503 ZIRM
NUCLEUS DIVIDING HOOK



G-32500 TOBIAS NEUHANN
CHOPPER



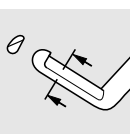
G-32282 AGARWAL
PHACO-KARATE-CHOPPER



G-31505 HAEFLIGER
NUCLEUS DIVIDING HOOK

for the right hand

G-31506 for the left hand



G-31507 NAGAHARA
NUCLEUS DIVIDING HOOK

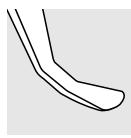
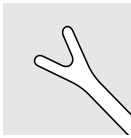


MANIPULATORS, CHOPPERS

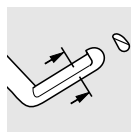
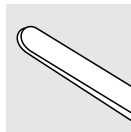
Nucleus Dividing Hooks, Nucleus Rotators,
Spatulas

Geuder®

20



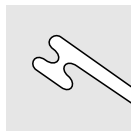
G-32501 *TOBIAS NEUHANN*
NUCLEUS ROTATOR AND CHOPPER



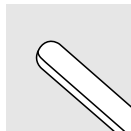
G-32168 *THOMAS NEUHANN / NAGAHARA*
**SPATULA AND
NUCLEUS DIVIDING HOOK**



G-32161 *THOMAS NEUHANN*
**NUCLEUS ROTATOR AND
NUCLEUS DIVIDING HOOK**



G-32162 *THOMAS NEUHANN*
**IRIS HOOK AND
NUCLEUS DIVIDING HOOK**

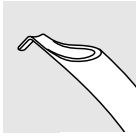


G-32164 *THOMAS NEUHANN*
**SPATULA AND
NUCLEUS DIVIDING HOOK**

MANIPULATORS, CHOPPERS

Irrigation Handpieces with Chopper,
Choppers with Irrigation

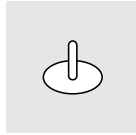
Geuder®



G-32508 *HÖH*
CHOPPER
with irrigation
18 gauge /1.2 mm



G-32014 *R. KOCH*
IRRIGATION HANDPIECE WITH CHOPPER
angled
irrigation ports 2 x 0.75 mm
tube 19 gauge /1.1 mm



G-32050 *HOFFMANN*
IRRIGATION HANDPIECE WITH CHOPPER
angled
irrigation ports 2 x 0.5 mm
oval tube 1.1 x 0.9 mm



G-32055 *THOMAS NEUHANN/SAUDER*
IRRIGATION HANDPIECE WITH CHOPPER
irrigation ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm



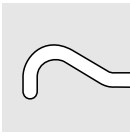
G-32284 *AGARWAL*
IRRIGATION NUCLEUS CHOPPER
20 gauge / 0.9 mm

MANIPULATORS, HOOKS

Position Hooks, IOL

Geuder®

20



G-32550 MAINZ MODEL
MANIPULATOR



G-32556 MAINZ MODEL
MANIPULATOR
new model



JACOBI
MANIPULATOR
G-16160 for 0.30 mm IOL hole
G-16161 for 0.20 mm IOL hole



G-16167 SINSKEY
MANIPULATOR
for 0.20 mm IOL hole



G-32557 BREMEN MODEL
LENS LOOP MANIPULATOR



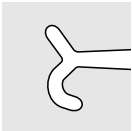
MANIPULATORS, HOOKS

Position Hooks, IOL

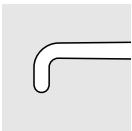
Geuder®



G-32280 SUZUKI
MANIPULATOR



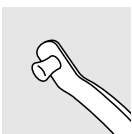
G-32555 RENTSCH
MANIPULATOR



G-32530 FRANKFURT MODEL
MANIPULATOR



G-32275 ZIRM
LENS LOOP MANIPULATOR



G-32276 LESTER
LENS LOOP MANIPULATOR



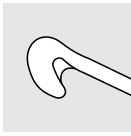
G-16169 TANDOGAN
EXPLANTATION HOOK
for IOLs

MANIPULATORS, HOOKS

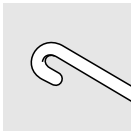
Iris Hooks

Geuder®

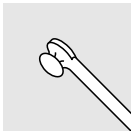
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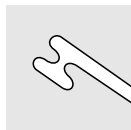
G-16180 *JACOBI*
IRIS HOOK



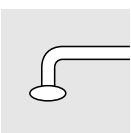
G-16205 *BONN MODEL*
IRIS HOOK
extremely delicate



G-32227 *LUND*
IRIS HOOK



G-16175 *DARDENNE*
IRIS HOOK
(push-pull)

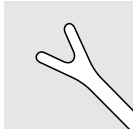


G-31911 *FRANKFURT MODEL*
IRIS HOOK

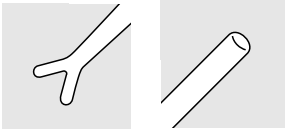
MANIPULATORS, HOOKS

Nucleus Manipulators, Suture Hooks

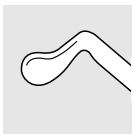
Geuder®



G-32160 NEUHANN
NUCLEUS ROTATOR

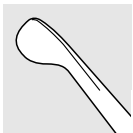


G-32286 AGARWAL
**GLOBE STABILIZER AND
NUCLEUS MANIPULATOR**

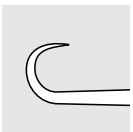


G-16181 right hand
G-16182 left hand

LIEBERMANN
MICROFINGER
Nucleus Manipulator



G-16185 DRYSDALE
NUCLEUS MANIPULATOR
and **ANTERIOR CAPSULE POLISHER**



G-32034 HENNING/FRIEDRICH
LENS EXTRACTION HOOK



G-32726 MUENSTER MODEL
SUTURE HOOK





G-15799 GRAEFE
STRABISMUS HOOK
short



G-15800 GRAEFE
STRABISMUS HOOK
small



G-15805 GRAEFE
STRABISMUS HOOK
medium



G-15810 GRAEFE
STRABISMUS HOOK
large



G-32915 HAMBURG MODEL
STRABISMUS HOOK

MANIPULATORS, STRABISMUS HOOKS

Geuder®



G-15830 MALBRAN
STRABISMUS HOOK



G-15820 BONN MODEL
STRABISMUS HOOK



G-15821 BONN MODEL
STRABISMUS HOOK
with 1.0 mm hole



G-32905 BONN MODEL
STRABISMUS HOOK
round curve



G-32920 JAMESON
STRABISMUS HOOK

MANIPULATORS, SPATULAS

Iris Spatulas

Geuder®

20



G-15405 WECKER
IRIS SPATULA
wide



G-15400 WECKER
IRIS SPATULA
slim



G-31990 WECKER
IRIS SPATULA
conical



G-15390 FRANKFURT MODEL
IRIS SPATULA



G-15391 FRANKFURT MODEL
IRIS SPATULA
extremely delicate

MANIPULATORS, SPATULAS

Iris Spatulas

Geuder®



G-32729 **IRIS SPATULA**
angled, conical
extremely delicate



BANGERTER
IRIS SPATULA
angled

- G-15360** 1.00 x 0.25 mm
G-15365 1.50 x 0.25 mm
G-15370 2.00 x 0.25 mm
-



BANGERTER
IRIS SPATULA
round handle, angled

- G-31975** 1.00 x 0.25 mm
G-31980 1.50 x 0.25 mm
G-31985 2.00 x 0.25 mm
-

MANIPULATORS, SPATULAS

Cyclodialysis Spatulas

Geuder®

20

G-15470 *ELSCHNIG*
SPATULA
10 mm long



G-15480 *CASTROVIEJO*
SPATULA
10 mm long



G-15485 *CASTROVIEJO*
SPATULA
15 mm long



G-15475 *CASTROVIEJO*
SPATULA
double ended
10 and 15 mm long



G-15477 *CASTROVIEJO*
SPATULA
7 mm long



G-32727 *BINKHORST*
SPATULA
10 mm long
extremely delicate



MANIPULATORS, SPATULAS

Orbital Spatulas

Geuder®



G-32446 **ORBITAL SPATULA**
18 x 8 mm



G-32445 *HAMBURG MODEL*
ORBITAL SPATULA
18 x 12 mm



SAUTTER
ORBITAL SPATULA

- G-15740** 22 x 13 mm
 - G-15745** 22 x 16 mm
 - G-15750** 22 x 19 mm
-



G-15731 *MAGDEBURG MODEL*
ORBITAL SPATULA
10 mm, with aspiration



BANGERTER
SPATULA

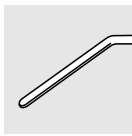
- G-15720** 6 mm
 - G-15725** 10 mm
 - G-15730** 12 mm
-

MANIPULATORS, SPATULAS

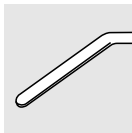
Spatulas, Phaco Spatulas

Geuder®

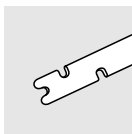
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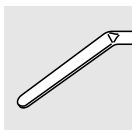
G-16189 **SPATULA**
angled, 0.50 x 0.25 mm



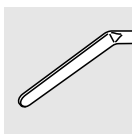
G-16190 **SPATULA**
angled, 1.00 x 0.25 mm



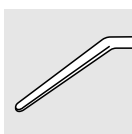
G-16210 **HIRSCHMANN**
SPATULA



G-16191 **STEINMETZ**
SPATULA
for manual lens fragmentation
for right-handed persons



G-16192 **STEINMETZ**
SPATULA
for manual lens fragmentation
for left-handed persons



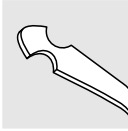
G-32728 **RENTSCH**
SPATULA



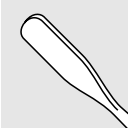
MANIPULATORS, SPATULAS

Phaco Spatulas, Phaco Spoons,
Lasik Cornea Protectors and Surface Cleaners

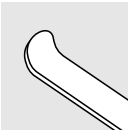
Geuder®



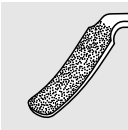
G-32007 *D. D. KOCH*
PHACO SPATULA



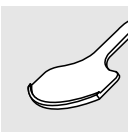
G-32523 *AMON*
PHACO SPATULA



G-32005 *ENGELS*
PHACO SPOON



G-33912 *ZIRM*
LASIK CORNEA PROTECTOR



G-33913 *ZIRM*
**LASIK CORNEA SURFACE
CLEANER**

MANIPULATORS, SPATULAS

Spatulas, Enucleation Spoons

Geuder®

20



G-15755 *ESSEN MODEL*
SPATULA



G-15757 *GIESSEN MODEL*
SPATULA

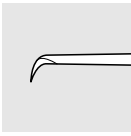


G-15780 *WELLS*
ENUCLEATION SPOON

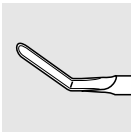
MANIPULATORS, SPATULAS vitreoretinal

Sato Knives, Membrane Spatula Knives,
Membrane Spatulas

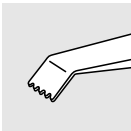
Geuder®



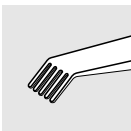
G-37555 **FOERSTER SATO KNIFE**
conical shaft
front 30 gauge / 0.3 mm
rear 20 gauge / 0.9 mm



G-37560 **MEMBRANE SPATULA KNIFE**
5.0 mm angled
all edges sharp
20 gauge / 0.9 mm



G-37565 **MEMBRANE SPATULA**
1.0 mm angled
short rakes
20 gauge / 0.9 mm



G-37570 **MEMBRANE SPATULA**
1.0 mm angled
long rakes
20 gauge / 0.9 mm



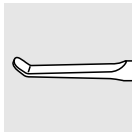
G-37575 **MEMBRANE SPATULA**
0.5 mm curved,
short rakes, round edges
20 gauge / 0.9 mm

MANIPULATORS, SPATULAS vitreoretinal

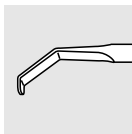
Membrane Spatulas

Geuder®

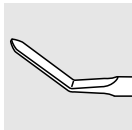
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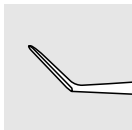
G-37530 MEMBRANE SPATULA
1.5 mm angled
20 gauge / 0.9 mm



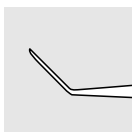
G-37535 MEMBRANE SPATULA
2.0 and 4.0 mm angled
20 gauge / 0.9 mm



G-37540 MEMBRANE SPATULA
with pointed tip
5.0 mm angled
20 gauge / 0.9 mm



G-37545 MEMBRANE SPATULA
subretinal pic, flat
4.0 mm angled
0.3 x 0.2 mm
20 gauge / 0.9 mm

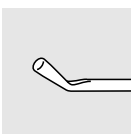


G-37546 MEMBRANE SPATULA
subretinal pic, flat
4.0 mm angled
0.3 x 0.15 mm
20 gauge / 0.9 mm

MANIPULATORS, SPATULAS vitreoretinal

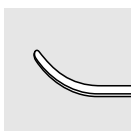
Membrane Spatulas

Geuder®



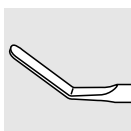
G-37550 MEMBRANE SPATULA

2.0 mm angled
20 gauge / 0.9 mm



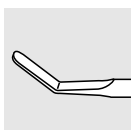
G-37515 LUCKE MEMBRANE SPATULA

round curve
20 gauge / 0.9 mm



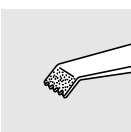
G-37520 MEMBRANE SPATULA

5.0 mm angled
20 gauge / 0.9 mm



G-37525 MEMBRANE SPATULA

2.5 mm angled
20 gauge / 0.9 mm



G-37566 MEMBRANE SPATULA

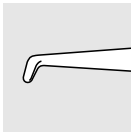
rough, angled
20 gauge / 0.9 mm for MIS

MANIPULATORS, SPATULAS vitreoretinal

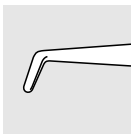
Membrane Peelers

Geuder®

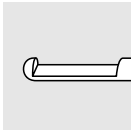
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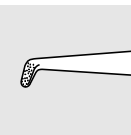
G-37500 **MEMBRANE PEELER**
1.0 mm angled
20 gauge / 0.9 mm



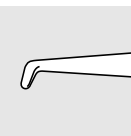
G-37505 *MORRIS-KROLL*
MEMBRANE PEELER
1.5 mm angled
20 gauge / 0.9 mm



G-37510 **MEMBRANE PEELER**
blunt
with peeling edges
20 gauge / 0.9 mm



G-37501 **MEMBRANE PEELER**
rough, angled
20 gauge / 0.9 mm for MIS

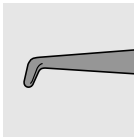


G-37503 **MEMBRANE PEELER**
1 mm angled
24 gauge / 0.6 mm

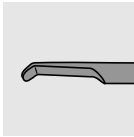
MANIPULATORS, SPATULAS vitreoretinal

Membrane Peelers, HEM-Stoppers, ILM-Scrapers

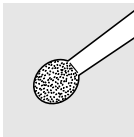
Geuder®



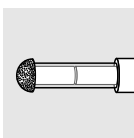
G-37506 MEMBRAN PEELER
0,65 mm angled
chromium plated (black)
20 gauge / 0.9 mm



G-37511 MEMBRAN PEELER
0,40 mm recessed
angled
chromium plated (black)
20 gauge / 0.9 mm



G-37549 HEM-STOPPER
for vitreoretinal surgery
20 gauge / 0.9 mm



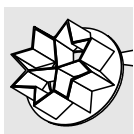
**G-37551 BARTZ-SCHMIDT
ILM-SCRAPER**

MARKERS

Suture Markers, Axis Markers, Marking Hooks,
Sclera Markers

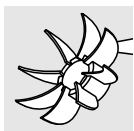
Geuder®

21

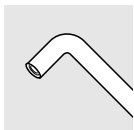


DUNCKER
SUTURE MARKER

- G-32228** for 7.0 mm transplant
- G-32229** for 8.0 mm transplant



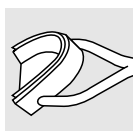
- G-32224** *NEUHANN*
SUTURE MARKER
for Keratoplasty to mark the sutures,
fits to the *KRUMEICH* GTS



- G-33785** *GRENE*
AXIS MARKER
diameter 0.5 mm
concave tip



- G-16166** *SINSKEY*
MARKING HOOK
diameter 0.2 mm
round tip

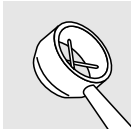


- G-32209** *TOBIAS NEUHANN*
SCLERA FLAP MARKER

MARKERS

Corneal Markers

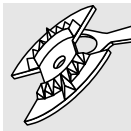
Geuder®



**HOFFER
CORNEAL MARKER**

for optic zone
inside diameter:

G-33730	3.00 mm	G-33736	5.00 mm
G-33731	3.25 mm	G-33737	5.50 mm
G-33732	3.50 mm	G-33738	6.00 mm
G-33733	3.75 mm	G-33739	6.50 mm
G-33734	4.00 mm	G-33740	7.00 mm
G-33735	4.50 mm	G-33741	7.50 mm

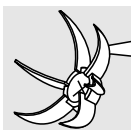


**LINDSTROM
CORNEAL MARKER**
for surgical correction of
astigmatism

G-33780	optic zone 6.0 mm
G-33781	optic zone 7.0 mm



G-33725	THOMAS NEUHANN CORNEAL MARKER 4 blades inside diameter 3.0 mm outside diameter 12.0 mm
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G-33726	THOMAS NEUHANN CORNEAL MARKER 6 blades inside diameter 3.0 mm outside diameter 12.0 mm
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MARKERS

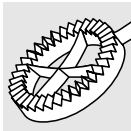
Corneal Markers

Geuder®

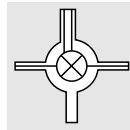
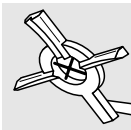
21



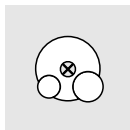
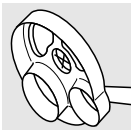
G-33727 THOMAS NEUHANN
CORNEAL MARKER
8 blades
inside diameter 3.0 mm
outside diameter 12.0 mm



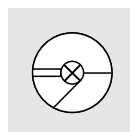
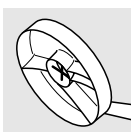
G-32222 THOMAS NEUHANN
CORNEAL MARKER
for astigmatic keratotomy
10° scale
inside diameter 6.0 mm
outside diameter 8.0 mm



G-33745 MENDEZ
LASIK CORNEAL MARKER



G-33746 CHAYEZ
LASIK CORNEAL MARKER



G-33747 LU
LASIK CORNEAL MARKER

MARKERS

Markers, Marking Pens

Geuder®

G-32210 *FRONIMOPOULUS*
MARKER
5 x 5 mm



G-15797 *FINK*
MARKER
9.3 mm

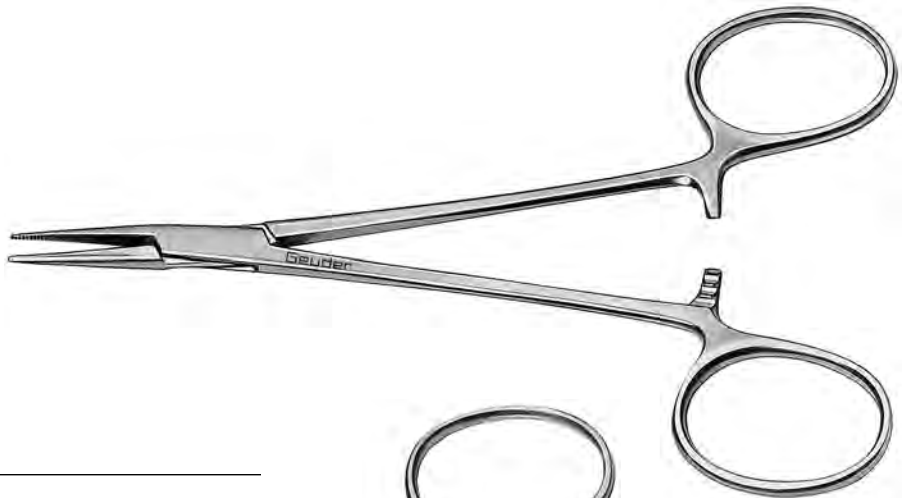


G-33798 **MARKING PEN**
for refractive surgery
36 per box, sterile

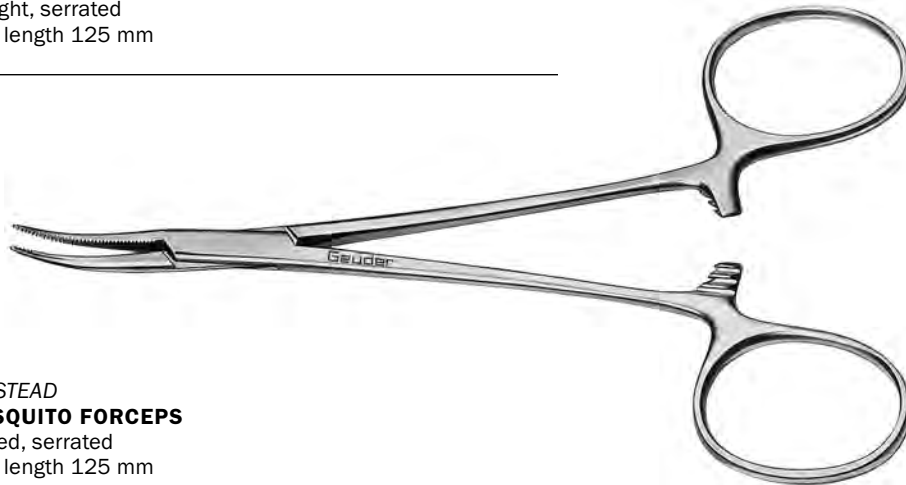


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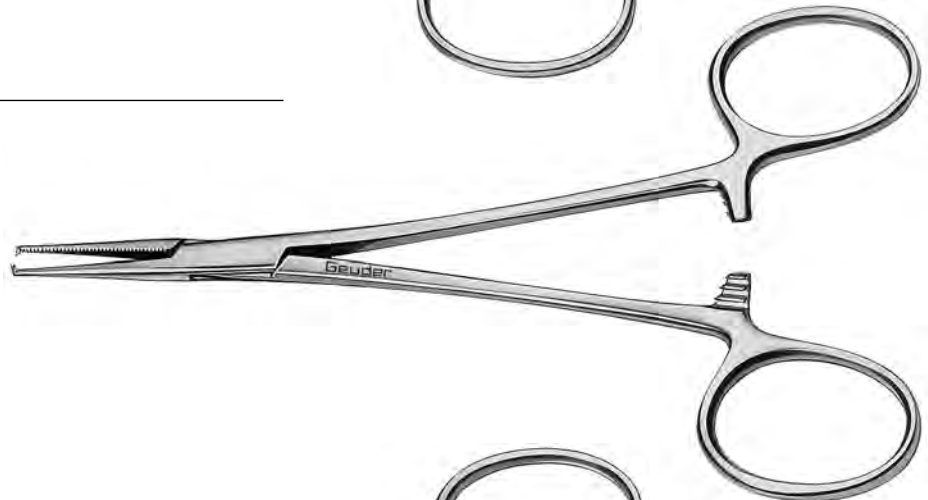
G-18180 HALSTEAD
MOSQUITO FORCEPS
straight, serrated
total length 125 mm



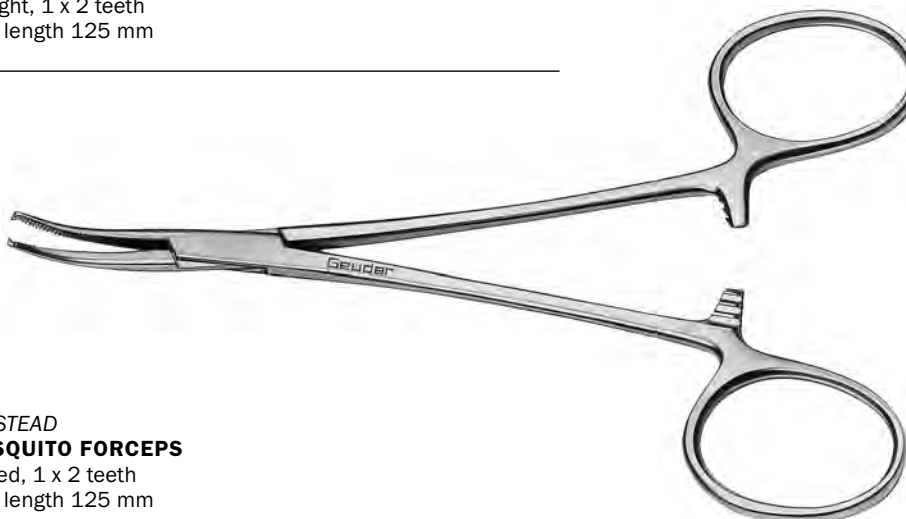
G-18181 HALSTEAD
MOSQUITO FORCEPS
curved, serrated
total length 125 mm



G-18185 HALSTEAD
MOSQUITO FORCEPS
straight, 1 x 2 teeth
total length 125 mm



G-18182 HALSTEAD
MOSQUITO FORCEPS
curved, 1 x 2 teeth
total length 125 mm



MOSQUITO FORCEPS, SERREFINES

Geuder®

G-18170 *HARTMANN*
MOSQUITO FORCEPS
straight, serrated
total length 100 mm



G-18171 *HARTMANN*
MOSQUITO FORCEPS
curved, serrated
total length 100 mm



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



MOSQUITO FORCEPS, SERREFINES

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



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



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



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



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



G-18197 **SERREFINE**
extremely delicate
total length 30 mm



G-17461 *BARRAQUER*
NEEDLE HOLDER
 straight, without lock
 handle 6.0 mm
 total length 105 mm



G-17463 *BARRAQUER*
NEEDLE HOLDER
 straight, with lock
 handle 6.0 mm
 total length 105 mm



G-17460 *BARRAQUER*
NEEDLE HOLDER
 curved, without lock
 handle 6.0 mm
 total length 105 mm



G-17462 *BARRAQUER*
NEEDLE HOLDER
 curved, with lock
 handle 6.0 mm
 total length 105 mm



G-32260 *BARRAQUER-TROUTMAN*
NEEDLE HOLDER
 straight, without lock
 handle 6.0 mm
 total length 100 mm



G-32261 *BARRAQUER-TROUTMAN*
NEEDLE HOLDER
 straight, with lock
 handle 6.0 mm
 total length 100 mm



NEEDLE HOLDERS

Geuder®

G-17535 *BARRAQUER-TROUTMAN*
NEEDLE HOLDER
curved, without lock
handle 6.0 mm
total length 100 mm



G-17530 *BARRAQUER-TROUTMAN*
NEEDLE HOLDER
curved, with lock
handle 6.0 mm
total length 100 mm



G-17545 *CASTROVIEJO*
NEEDLE HOLDER
straight, without lock
total length 90 mm



G-17540 *CASTROVIEJO*
NEEDLE HOLDER
straight, with lock
total length 90 mm



G-17500 *BARRAQUER*
NEEDLE HOLDER
curved, without lock
jaw 0.55 mm
handle 8.0 mm
total length 120 mm



G-17501 *BARRAQUER*
NEEDLE HOLDER
curved, with lock
jaw 0.55 mm
handle 8.0 mm
total length 120 mm



G-17505 *BARRAQUER*
NEEDLE HOLDER
 curved, without lock
 jaw 0.45 mm
 handle 8.0 mm
 total length 120 mm



G-17506 *BARRAQUER*
NEEDLE HOLDER
 curved, with lock
 jaw 0.45 mm
 handle 8.0 mm
 total length 120 mm



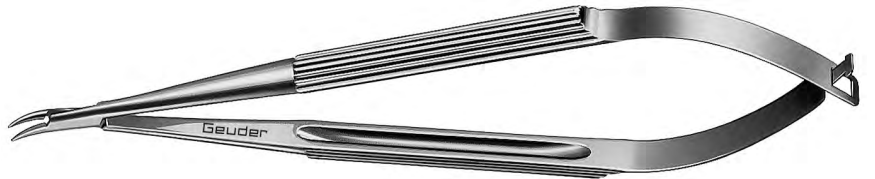
G-17451 *JACOBI*
NEEDLE HOLDER
 straight, without lock
 handle 7.0 mm
 total length 115 mm



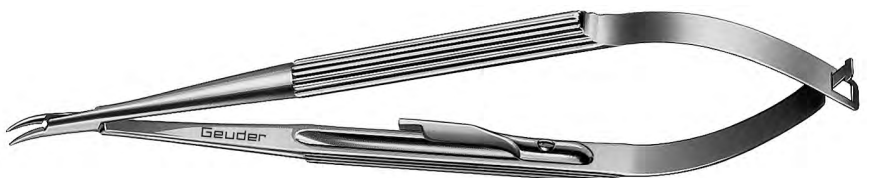
G-17453 *JACOBI*
NEEDLE HOLDER
 straight, with lock
 handle 7.0 mm
 total length 115 mm



G-17450 *JACOBI*
NEEDLE HOLDER
 curved, without lock
 handle 7.0 mm
 total length 115 mm



G-17452 *JACOBI*
NEEDLE HOLDER
 curved, with lock
 handle 7.0 mm
 total length 115 mm



NEEDLE HOLDERS

Geuder®

G-17510

BARRAQUER

NEEDLE HOLDER

curved, without lock
jaw 0.80 mm, handle 8.0 mm
total length 140 mm



G-17511

BARRAQUER

NEEDLE HOLDER

curved, with lock
jaw 0.80 mm, handle 8.0 mm
total length 140 mm



G-17515

BARRAQUER

NEEDLE HOLDER

curved, without lock
jaw 0.55 mm, handle 8.0 mm
total length 140 mm



G-17516

BARRAQUER

NEEDLE HOLDER

curved, with lock
jaw 0.55 mm, handle 8.0 mm
total length 140 mm



G-17520

BARRAQUER

NEEDLE HOLDER

curved, without lock
handle 10.0 mm
total length 140 mm



G-17525

BARRAQUER

NEEDLE HOLDER

curved, with lock
handle 10.0 mm
total length 140 mm



G-32315 *BARRAQUER*
NEEDLE HOLDER
 original model
 curved, without lock
 handle 10.0 mm
 total length 130 mm



G-32320 *BARRAQUER*
NEEDLE HOLDER
 with strong jaw
 curved, without lock
 handle 10.0 mm
 total length 140 mm



G-32321 *BARRAQUER*
NEEDLE HOLDER
 with strong jaw
 curved, with lock
 handle 10.0 mm
 total length 140 mm



G-17580 *CASTROVIEJO*
NEEDLE HOLDER
 straight, without lock
 handle 10.0 mm
 total length 135 mm



G-17585 *CASTROVIEJO*
NEEDLE HOLDER
 straight, with lock
 handle 10.0 mm
 total length 135 mm



NEEDLE HOLDERS

Geuder®

G-17560 CASTROVIEJO
NEEDLE HOLDER
straight, without lock
total length 140 mm



G-17565 CASTROVIEJO
NEEDLE HOLDER
straight, with lock
total length 140 mm



G-17570 CASTROVIEJO
NEEDLE HOLDER
curved, without lock
total length 140 mm



G-17575 CASTROVIEJO
NEEDLE HOLDER
curved, with lock
total length 140 mm



G-32325 CASTROVIEJO
NEEDLE HOLDER
strong curve, without lock
total length 140 mm



G-32330 CASTROVIEJO
NEEDLE HOLDER
strong curve, with lock
total length 140 mm





G-17610 *KALT*
NEEDLE HOLDER
straight



G-17615 *KALT*
NEEDLE HOLDER
curved



G-17640 *ARRUGA*
NEEDLE HOLDER
straight



G-17645 *ARRUGA*
NEEDLE HOLDER
curved

NEEDLE HOLDERS

Geuder®



G-17630 STOCK
NEEDLE HOLDER



G-17660 HEIDELBERG MODEL
NEEDLE HOLDER
straight



G-17670 HEIDELBERG MODEL
NEEDLE HOLDER
bent



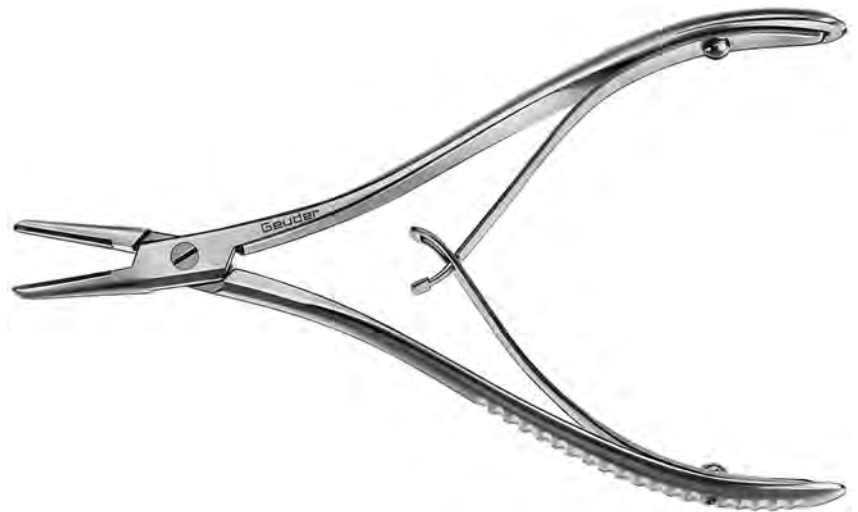
G-17650 BOYNTON
NEEDLE HOLDER

NEEDLE HOLDERS

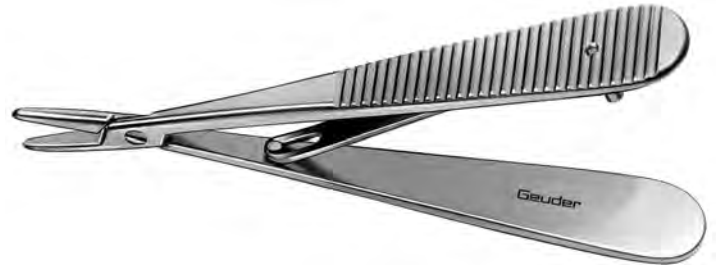
Needle Holder / Scissors

Gaude[®]

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G-17646 AXENFELD
NEEDLE HOLDER



G-17665 ROHRSCHEIDER
NEEDLE HOLDER
total length 100 mm

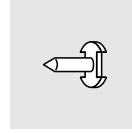


COMBINED NEEDLE HOLDER/SCISSORS
G-17440 without lock
G-17441 with lock

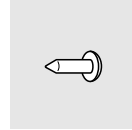
PINS

Sclera and Retinal Pins, Holding, Insertion and Position Forceps

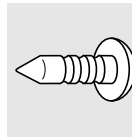
G-33436 SCLERA PIN
for suturing to sclera
20 gauge / 0.9 mm



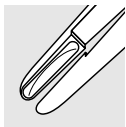
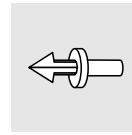
G-33435 SCLERA PIN
20 gauge / 0.9 mm



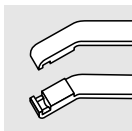
G-33432 SCLERA PIN
serrated
20 gauge / 0.9 mm



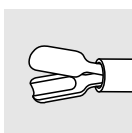
**G-33437T HEIMANN
RETINA PIN**
titanium



G-33439 HOLDING FORCEPS
for sclera pins



G-31570 INSERTION FORCEPS
for sclera pins



G-33438 POSITION FORCEPS
for Heimann retina pins

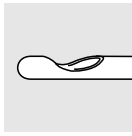


PROBES, DILATORS

Lacrimal Probes, Intubation Set, Trabecular Probes

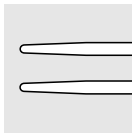
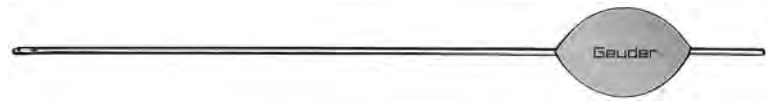
Geuder®

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JÜNEMANN
LACRIMAL PROBE

- G-33193** 0.60 mm, with handle
- G-33194** 0.80 mm, with handle
- G-33195** 1.00 mm, with handle

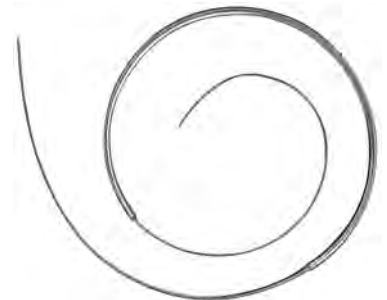


- G-32725** *OGCEL*
INTUBATION SET
double armed
with silicone tube



RUPRECHT
INTUBATION SET

- G-31610** 0.64 mm, white
- G-31611** 0.64 mm, black
- G-31615** 0.94 mm, white
- G-31616** 0.94 mm, black



MACKENSEN
TRABECULAR PROBE
radius 7.0 mm

- G-15105** right
- G-15110** left



HARMS
TRABECULAR PROBE
radius 7.0 mm

- G-15125** right
- G-15130** left



PROBES, DILATORS

U-Shaped Probes, Retrograde Probes,
Pigtail Probes

Geuder®

NEUHANN
U-SHAPED PROBE
with holding plate
radius 7.0 mm

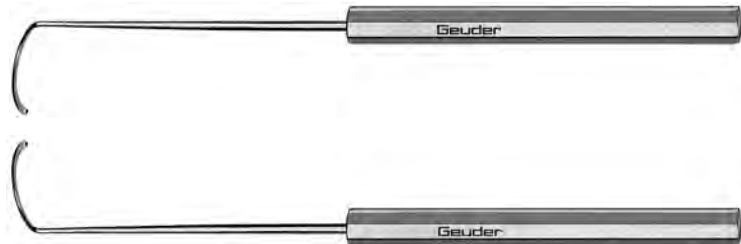
- G-15136** 0.30 mm
- G-15138** 0.25 mm



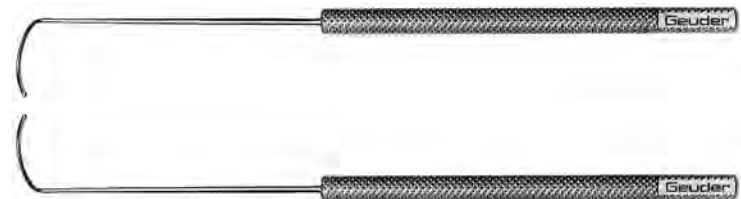
- G-15137** NEUHANN
HOLDER for U-shaped probe
with lock



- G-15050** KELLNAR
RETROGRADE PROBE
right
- G-15055** left



- G-15057** HAMBURG MODEL
RETROGRADE PROBE
right
- G-15058** left



- G-15095** **PIGTAIL PROBE**
with suture holes
- G-15096** with hook



PROBES, DILATORS

Lacrimal Probes

Geuder®

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G-150301 *WILDER*
LACRIMAL PROBE
delicate



G-150302 *WILDER*
LACRIMAL PROBE
medium



G-150303 *WILDER*
LACRIMAL PROBE
strong



G-150401 *WILDER*
LACRIMAL PROBE
slim, delicate



G-150402 *WILDER*
LACRIMAL PROBE
slim, medium



G-150403 *WILDER*
LACRIMAL PROBE
slim, strong



G-15020 *GIESSEN MODEL*
LACRIMAL PROBE



PROBES, DILATORS

Lacrimal Probes

Geuder®

BOWMAN
LACRIMAL PROBE
cylindrical, silver

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



BOWMAN
LACRIMAL PROBE
cylindrical, stainless steel

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



BOWMAN
LACRIMAL PROBE
bulbous, silver

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



BOWMAN
LACRIMAL PROBE
bulbous, stainless steel

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



- G-15100** *SCHAUDIG*
CONDUIT FOR LACRIMAL PROBES

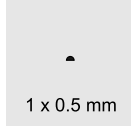


PUNCHES

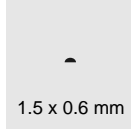
Glaucoma and Corneoscleral Punches

Geuder®

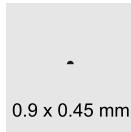
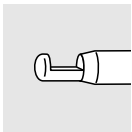
26



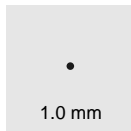
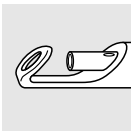
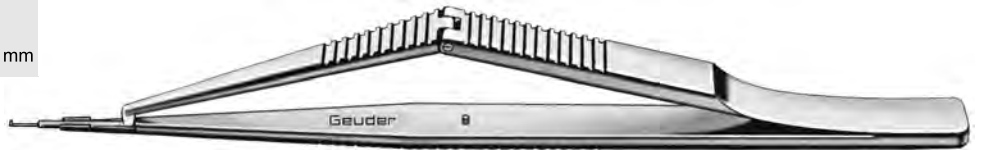
G-18239 LUTZ-DODICK
GLAUCOMA PUNCH
with rotatable cutting head



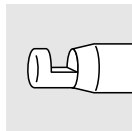
G-18237 GASS
GLAUCOMA PUNCH
with rotatable cutting head



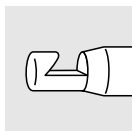
G-18238 KELLY
GLAUCOMA PUNCH



G-18232 MOHR
GLAUCOMA PUNCH



G-18230 WALSER
CORNEOSCLERAL PUNCH



G-18235 GREHN
GLAUCOMA PUNCH
20 gauge / 0.90 mm



PUNCHES

Bone Nibbling Rongeurs

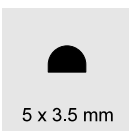
Geuder®



G-18210 CITELLI
BONE NIBBLING RONGEUR



G-18220 BEYER
BONE NIBBLING RONGEUR



G-18225 KERRISON
BONE NIBBLING RONGEUR



RETRACTORS

Lid Retractors

Geuder®

27



G-16080 *DESMARRES*
LID RETRACTOR
for infants



G-32120 *DESMARRES*
LID RETRACTOR
fig. 0



G-16060 *DESMARRES*
LID RETRACTOR
fig. 1



G-16065 *DESMARRES*
LID RETRACTOR
fig. 2



G-16070 *DESMARRES*
LID RETRACTOR
fig. 3



G-16075 *DESMARRES*
LID RETRACTOR
fig. 4

RETRACTORS

Lid Retractors, Lid Plates, Lid Splints,
Iris Retractors

Geuder®



G-32115 *GIESSEN MODEL*
LID RETRACTOR

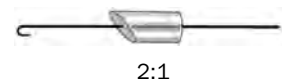


G-17040 *JAEGER*
LID PLATE
metal

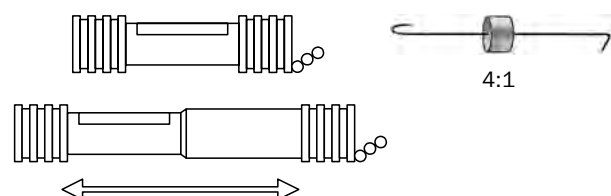


G-32125 **LID SPLINT**
Teflon, total length 100 mm

G-15520 **IRIS RETRACTOR**
for mechanical dilation
of the pupil
stainless steel, 0.14 x 0.12 mm
reusable



G-15523 *FULLER*
IRIS RETRACTOR
in sterilizing case
for mechanical dilation
of the pupil
Nylon, flexible
reusable
2 sterilizing cases per box
with 4 iris retractors each



RETRACTORS

Lacrimal Sac Retractors

Geuder®

27



G-15542 *AXENFELD*
RETRACTOR
four-pronged, blunt



G-15540 *AXENFELD*
RETRACTOR
three-pronged, blunt
G-15545 three-pronged, sharp



G-15550 *AXENFELD*
RETRACTOR
two-pronged, blunt
G-15555 two-pronged, sharp



G-15560 *ROLLET*
RETRACTOR
four-pronged, sharp



G-15350 *GUTHRIE*
RETRACTOR
sharp, large



G-15355 *GUTHRIE*
RETRACTOR
sharp, small

RETRACTORS

Lacrimal Sac Retractors

Geuder®



AMERICAN MODEL

RETRACTOR

4 x 4 pronges

- G-17085** blunt
- G-17090** sharp



- G-17070** MÜLLER
RETRACTOR



- G-17080** GOLDSTEIN
RETRACTOR

SCISSORS

Capsulotomy, Capsule, Vannas

Geuder®

28

G-19620 TUEBINGEN MODEL
CAPSULOTOMY SCISSORS
straight, 8 cm



G-19630 TUEBINGEN MODEL
CAPSULOTOMY SCISSORS
curved, 8 cm



G-19760 VANNAS
CAPSULOTOMY SCISSORS
extremely delicate
straight, 8 cm



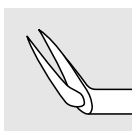
G-19765 VANNAS
CAPSULOTOMY SCISSORS
extremely delicate
curved, 8 cm



G-19770 VANNAS
CAPSULOTOMY SCISSORS
extremely delicate
bent, 8 cm



G-19775 VANNAS
CAPSULOTOMY SCISSORS
extremely delicate
angled on flat, 8 cm



G-32940 H-R. KOCH
CAPSULE SCISSORS
45° angled
diameter of shaft 22 gauge / 0.7 mm
length of shaft 22 mm, handle rotatable



SCISSORS

Capsulotomy, Capsule

Geuder®

CAPSULOTOMY SCISSORS

angled on flat, 8 cm

G-19776 9 mm blade

G-19777 11 mm blade



G-32100 CAPSULOTOMY SCISSORS

13 mm blade
tip lightly curved, 8 cm



G-32101 CAPSULOTOMY SCISSORS

13 mm blade
tip strongly curved, 8 cm



G-32103 CAPSULOTOMY SCISSORS

10 mm blade
tip strongly curved, 8 cm



G-32105 CAPSULOTOMY SCISSORS

11 mm blade
tip lightly curved, 8 cm



G-32023 CAPSULOTOMY SCISSORS

7 mm blade
tip lightly curved, 8 cm



SCISSORS

Corneal, Corneal Section



TROUTMAN-CASTROVIEJO
CORNEAL SCISSORS
with stop

- G-19730** right, 10.5 cm
 - G-19735** left, 10.5 cm
-



TROUTMAN
CORNEAL SCISSORS
delicate

- G-19710** right, 10 cm
 - G-19715** left, 10 cm
-



CASTROVIEJO
CORNEAL SCISSORS

- G-19690** 10.5 cm, right
 - G-19695** 10.5 cm, left
-



- G-19718** *SAUTTER*
CORNEAL SCISSORS
light curve
pointed-pointed, 10 cm
-



- G-19790** *CASTROVIEJO*
CORNEAL SCISSORS
bent, blunt-blunt
10 cm
-

SCISSORS

Corneal, Corneal Section

Geuder®

G-19580 SCISSORS
straight, pointed-pointed
11 cm



G-19570 SCISSORS
straight, pointed-pointed
10 cm



G-19600 SCISSORS
light curve, pointed-pointed
10 cm



G-19605 SCISSORS
light curve
blunt-blunt, 10 cm



G-19607 SCISSORS
strong curve
blunt-blunt, 10 cm



SCISSORS

Corneal, Corneal Section

G-19780 CASTROVIEJO
CORNEAL SCISSORS
strong curve
blunt-blunt, 10 cm



G-19781 CASTROVIEJO
CORNEAL SCISSORS
with stop, strong curve
blunt-blunt, 10 cm



G-19615 **SCISSORS**
strong curve, blunt-blunt
11 cm



G-19575 **SCISSORS**
bent, blunt-blunt
10 cm



G-19585 **SCISSORS**
angled on flat
blunt-blunt
10 cm



SCISSORS

Corneal, Corneal Section, Anterior Synechia

Geuder®

G-19720 *KATZIN*
KERATOPLASTY SCISSORS
right, 10 cm



G-19725 *KATZIN*
KERATOPLASTY SCISSORS
left, 10 cm



G-19580 **SCISSORS**
straight, pointed-pointed
11 cm



G-19740 *CASTROVIEJO*
ANTERIOR SYNECHIA SCISSORS
11.5 cm



G-19590 *CASTROVIEJO*
ANTERIOR SYNECHIA SCISSORS
delicate, 10.5 cm



SCISSORS

Enucleation

Geuder®

28

G-19520 ENUCLEATION SCISSORS
strong curve
13.5 cm



G-19525 ENUCLEATION SCISSORS
medium curve
13.5 cm



G-19530 ENUCLEATION SCISSORS
light curve
13.5 cm



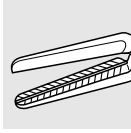
G-31315 OPERATING SCISSORS
straight
14.5 cm



SCISSORS

IOL

Geuder®



G-32945 *STEINMETZ*
IOL SCISSORS
for soft intraocular lenses



G-32800 *H.-R. KOCH*
SILICONE LENS BI-SECTOR
for dividing implanted silicone lenses
5 wire loops incl.
(G-32810)



G-32810 **WIRE LOOP**
silicone lens bi-sector
H.-R. KOCH
(G-32800)

SCISSORS

Iridectomy, Iris

Geuder®

28

G-19540 NOYES
IRIS SCISSORS
straight, pointed-pointed
11 cm



G-19545 NOYES
IRIS SCISSORS
straight, pointed-blunt
11 cm



G-19550 NOYES
IRIS SCISSORS
straight, blunt-blunt
11 cm



G-19680 BARRAQUER
IRIS SCISSORS
7 mm blade
blunt-blunt



G-19640 WECKER
IRIS SCISSORS
11 mm blade
pointed-pointed

G-19645 pointed-blunt, right

G-19650 pointed-blunt, left

G-19655 blunt-blunt



G-19660 WECKER
IRIS SCISSORS
7 mm blade
pointed-pointed

G-19665 pointed-blunt, right

G-19670 pointed-blunt, left

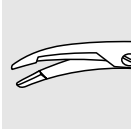
G-19675 blunt-blunt



SCISSORS

Needle Holder/Scissors, Trabecular, Tube-Cutter

Geuder®



COMBINED NEEDLE HOLDER / SCISSORS

G-17440 without lock

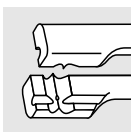
G-17441 with lock



G-19745 **TRABECULUM SCISSORS**
straight, 8 cm



G-19747 **TRABECULUM SCISSORS**
curved, 8 cm



G-31618 **KANDZIA/HÄRING**
TUBE CUTTER
with lock

SCISSORS

Utility, Ring Handle

EYE SCISSORS

straight, pointed-pointed

- G-19350** 9 cm
 - G-19355** 10 cm
 - G-19360** 11 cm
 - G-19365** 12 cm
-



EYE SCISSORS

curved, pointed-pointed

- G-19370** 9 cm
 - G-19375** 10 cm
 - G-19380** 11 cm
 - G-19385** 12 cm
-



- G-19390** **EYE SCISSORS**
straight, delicate
10.5 cm
-



- G-19395** **EYE SCISSORS**
curved, delicate
10.5 cm
-



SCISSORS

Utility, Ring Handle

Geuder®

G-19400 *BONN MODEL*
EYE SCISSORS
curved, extremely delicate
9 cm



G-19405 *BONN MODEL*
EYE SCISSORS
straight, extremely delicate
9 cm



G-19450 *GRAEFE*
EYE SCISSORS
angled on flat
blunt-blunt
9 cm



G-19500 **EYE SCISSORS**
bent, pointed-pointed
11.5 cm



SCISSORS

Utility, Ring Handle, Westcott

G-19505 EYE SCISSORS
bent, pointed-blunt
11.5 cm



G-19510 EYE SCISSORS
bent, blunt-blunt
11.5 cm



WESTCOTT SCISSORS
G-19750 blunt-blunt, 12 cm
G-19751 pointed-pointed, 12 cm



G-32250 WESTCOTT SCISSORS
delicate
blunt-blunt, 10 cm



SCISSORS

Utility, Ring Handle, Tenotomy

Geuder®

G-19480 *STEVENS*
TENOTOMY SCISSORS
straight, long blade
11 cm



G-19485 *STEVENS*
TENOTOMY SCISSORS
curved, long blade
11 cm



G-19470 *STEVENS*
TENOTOMY SCISSORS
straight, short blade
10.5 cm



G-19475 *STEVENS*
TENOTOMY SCISSORS
curved, short blade
10.5 cm



SCISSORS

Utility, Ring Handle, Tenotomy, Muscle

Geuder®

28

G-32614 *BONN MODEL*
TENOTOMY SCISSORS
curved, 9 cm



G-19430 *BONN MODEL*
STRABISMUS SCISSORS
straight, 9 cm



G-19435 *BONN MODEL*
STRABISMUS SCISSORS
curved, 9 cm



G-19410 *SPENCER*
STITCH SCISSORS
9 cm



SCISSORS

Utility, Ring Handle, Muscle

Geuder®

G-19420 STRABISMUS SCISSORS

straight, long blade
10.5 cm



G-19425 STRABISMUS SCISSORS

curved, long blade
10.5 cm



G-19460 STRABISMUS SCISSORS

straight, short blade
11 cm



G-19465 STRABISMUS SCISSORS

curved, short blade
11 cm

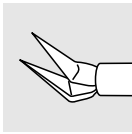


SCISSORS vitreoretinal

Vitreous Body

Geuder®

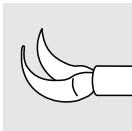
28



G-19801 VITREOUS BODY SCISSORS

45° angled
20 gauge / 0.9 mm

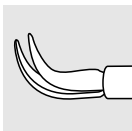
G-35100T VITREOUS BODY SCISSORS, titanium



G-19803 VITREOUS BODY SCISSORS

bent
with membrane peeler
20 gauge / 0.9 mm

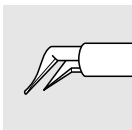
G-35105T VITREOUS BODY SCISSORS, titanium



G-19796 VITREOUS BODY SCISSORS

round curve
20 gauge / 0.9 mm

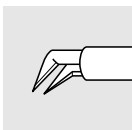
G-35106T VITREOUS BODY SCISSORS, titanium



G-19807 KROLL VITREOUS BODY SCISSORS

angled
with membrane peeler
20 gauge / 0.9 mm

G-35115T VITREOUS BODY SCISSORS, titanium



G-19798 VITREOUS BODY SCISSORS

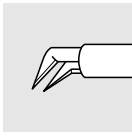
angled blunt-blunt
for MIS
20 gauge / 0.9 mm

G-35107T VITREOUS BODY SCISSORS, titanium

SCISSORS vitreoretinal

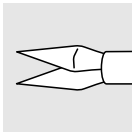
Vitreous Body

Geuder®



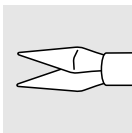
G-19805 HEIMANN
VITREOUS BODY SCISSORS
20 gauge / 0.9 mm
angled, pointed-pointed

G-35110T **VITREOUS BODY SCISSORS, titanium**



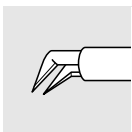
G-19809 HEIMANN
VITREOUS BODY SCISSORS
20 gauge / 0.9 mm
straight, pointed-pointed

G-35120T **VITREOUS BODY SCISSORS, titanium**



G-19795 HEIMANN
VITREOUS BODY SCISSORS
20 gauge / 0.9 mm
straight, blunt-blunt

G-35121T **VITREOUS BODY SCISSORS, titanium**



G-19794 HEIMANN
VITREOUS BODY SCISSORS
24 gauge / 0.6 mm
angled, blunt-blunt

G-32625 SCLERAL SPONGES
cylindrical, 3.0 mm
length 8 cm
5 per box, sterile



G-32630 SCLERAL SPONGES
cylindrical, 4.0 mm
length 8 cm
5 per box, sterile



G-32635 SCLERAL SPONGES
cylindrical, 5.0 mm
length 8 cm
5 per box, sterile



G-32640 SCLERAL SPONGES
oval, 3.0 x 5.0 mm
length 8 cm
5 per box, sterile



G-32645 SCLERAL SPONGES
oval, 5.5 x 7.5 mm
length 8 cm
5 per box, sterile



Made of Silicone Elastomere

STERILIZING TRAYS

Sterilizing containers made of stainless steel for steam sterilization

Geuder®

30

- G-39655 ERGO-SAFE CONTAINER complete**
small, silver, for steam sterilization,
consisting of container bottom G-39685
and container cover silver G-39661
outside dimensions: 49 x 188.5 x 298 mm
inside dimensions: 33 X 177 X 268 mm
- disposable paper filter in cover and bottom
- filter quick-change
- silicone seal in cover
- stackable
- 2 clamps for labels
- holds 1 x G-39671 ERGO-Safe Tray small

- G-39656 ERGO-SAFE CONTAINER complete**
small, with red cover (G-39662)

- G-39657 ERGO-SAFE CONTAINER complete**
small, with blue cover (G-39663)



- G-39664 ERGO-SAFE CONTAINER complete**
medium, silver, for steam sterilization,
consisting of container bottom G-39659
and container cover silver G-39661
outside dimensions: 71 x 188.5 x 298 mm
inside dimensions: 55 X 177 X 268 mm
- disposable paper filter in cover and bottom
- filter quick-change
- silicone seal in cover
- stackable
- 2 clamps for labels
- holds 2 x G-39671 ERGO Safe Tray small or
- holds 1 x G-39672 ERGO Safe Tray medium

- G-39665 ERGO-SAFE CONTAINER complete**
medium with red cover (G-39662)

- G-39666 ERGO-SAFE CONTAINER complete**
medium with blue cover (G-39663)



- G-39667 ERGO-SAFE CONTAINER complete**
high, silver, for steam sterilization,
consisting of container bottom G-39660
and container cover silver G-39661
outside dimensions: 136 x 188.5 x 298 mm
inside dimensions: 130 X 177 X 268 mm
- disposable paper filter in cover and bottom
- filter quick-change
- silicone seal in cover
- stackable
- 2 clamps for labels
- holds 4 x G-39671 ERGO Safe Tray small or
- holds 3 x G-39672 ERGO Safe Tray medium or
- holds 2 x G-39673 ERGO Safe Tray high or
- combination of G-39673, G-39672, G39671

- G-39668 ERGO SAFE CONTAINER complete**
high, with red cover (G-39662)

- G-39669 ERGO SAFE CONTAINER complete**
high, with blue cover (G-39663)



Please ask for our special leaflet for more details.

STERILIZING TRAYS

Sterilizing trays made of aluminum
for steam sterilization

Geuder®

- G-39671 ERGO-SAFE TRAY complete**
small, for steam sterilization,
to be cleaned in a machine,
consisting of tray bottom, small,
G-39674 and tray cover G-39677
and silicone inserts
outside dimensions: 30 x 171 x 262 mm
inside dimensions: 21 X 166 X 257 mm
- 3 Silicone nap strips in bottom
- 2 Silicone profile strips in cover



- G-39672 ERGO SAFE TRAY complete**
medium, for steam sterilization,
to be cleaned in a machine,
consisting of tray bottom, medium,
G-39675 and tray cover, G-39677
and silicone inserts
outside dimensions: 38 x 171 x 262 mm
inside dimensions: 30,5 X 166 X 257 mm
- 3 Silicone nap strips in bottom
- 2 Silicone profile strips in cover



- G- 39673 ERGO SAFE TRAY complete**
high, for steam sterilization,
to be cleaned in a machine,
consisting of tray bottom, high,
G-39676 and tray cover G-39677
and silicone inserts
outside dimensions: 54 x 171 x 262 mm
inside dimensions: 45 X 166 X 257 mm
- 3 Silicone nap strips in bottom
- 2 Silicon profile strips in cover



- G-39680 PROTOCOL LABELS**
320 per box

without Picture

- G-39681 PAPER FILTERS**
100 per box

without Picture

- G-39682 SEALINGS**
495 per box

without Picture

- G-39683 SPARE FILTER SHEET**

without Picture

STERILIZING TRAYS

made of stainless steel for steam sterilization

Geuder®

30

G-19822 STERILIZING CASE

- for steam sterilization
outside dimensions:
220 x 165 x 55 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with perforated silicone tray G-32785
 - 2 labels with clamp
-



G-19823 STERILIZING CASE

- for steam sterilization
outside dimensions:
220 x 165 x 75 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with perforated silicone tray G-32785
 - 2 labels with clamp
-



G-19876 STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 55 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with 3 silicone nap strips
 - 2 silicone profile strips in the cover
 - 2 labels with clamp
-



G-19841 COLOGNE MODEL STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 85 mm
- quick-clasp with textile filter in cover and bottom (can also be used with paper filter)
 - silicone seal in the cover
 - perforated insert with border and perforated silicone plate
 - perforated insert with border, perforated silicone plate and silicone instrument rack
 - 2 labels with clamp
-



STERILIZING TRAYS

made of stainless steel for steam sterilization

Geuder®

G-19842 STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 75 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert with border and perforated silicone plate
 - perforated insert with border, perforated silicone plate and silicone instrument tray
 - 2 labels with clamp



G-19843 STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 75 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert with border and perforated silicone plate
 - perforated insert without border with 3 silicone nap strips
 - 2 silicone profile strips in the cover
 - 2 labels with clamp



G-28150 STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 75 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert with border, subdivided with perforated silicone plate and perforated silicone tray
 - silicone insert, small, with perforated silicone tray
 - 2 labels with clamp



G-28151 STERILIZING CASE

- for steam sterilization
outside dimensions:
300 x 220 x 75 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with 4 feet and 3 silicone nap strips
 - 2 silicone profile strips in the cover
 - 2 labels with clamp



STERILIZING TRAYS

made of stainless steel for steam sterilization

Geuder®

30

G-19877 STERILIZING CASE

- for steam sterilization
outside dimensions:
400 x 290 x 55 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with 4 silicone nap strips
 - 3 silicone profile strips in the cover
 - 2 labels with clamp



G-19862 GEUDER MODEL STERILIZING CASE

- for steam sterilization
outside dimensions:
400 x 290 x 55 mm
- cover and bottom perforated, without filter
 - perforated insert without border with 4 silicone nap strips
 - 3 silicone profile strips in the cover
 - 2 labels with clamp

For sterile storage of the sterilizing case G-19862, this case must be packed for steam sterilisation.



G-19892 STERILIZING CASE

- for steam sterilization
outside dimensions:
400 x 290 x 70 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - 2 perforated inserts without border with 4 silicone nap strips each
 - 3 silicone profile strips at the bottom of the upper perforated insert
 - 3 silicone profile strips in the cover
 - 2 labels with clamp



G-19894 STERILIZING CASE

- for steam sterilization
outside dimensions:
400 x 290 x 70 mm
- textile filter in cover and bottom
 - silicone seal in the cover
 - perforated insert without border with 4 silicone nap strips
 - perforated insert with border and silicone nap plate
 - 3 silicone profile strips in the cover
 - 2 labels with clamp



STERILIZING TRAYS

made of stainless steel for steam sterilization

Geuder®

G-19890 STERILIZING CASE

for steam sterilization

outside dimensions:

495 x 270 x 70 mm

- textile filter in cover and bottom

- silicone seal in the cover

- perforated insert with border,

4 silicone nap strips and lateral

compartment (240 x 110 x 40 mm)

- 3 silicone profile strips in the cover

- 2 labels with clamp



		PERMANENT TEXTILE FILTERS				
Kat.-Nr.		G-31650	G-31651	G-31652	G-31656	G-31661
STERILIZING CASES	G-19822	●				
	G-19823	●				
	G-19841		●			
	G-19842		●			
	G-19843		●			
	G-19876		●			
	G-19877			●		
	G-19890					●
	G-19892				●	
	G-19894				●	
	G-28150		●			
	G-28151		●			

Important Note:

There is a permanent textile filter in the cover and on the bottom of the steam sterilizing cases. This textile filter must be changed after a maximum of 60 sterilizations or every 3 months, whichever comes first.

STERILIZING TRAYS

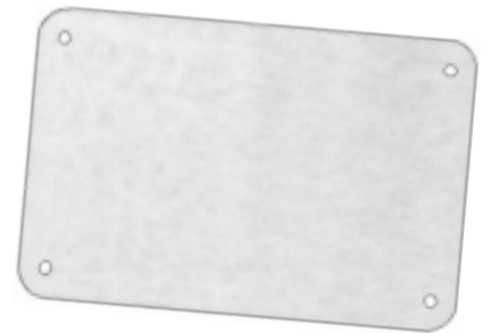
Textile Permanent Filters, Paper Filters,
Indicators, Safety Seals

Geuder®

30

TEXTILE PERMANENT FILTERS

- G-31650** for steam sterilizing cases
G-19822 and G-19823
- G-31651** for steam sterilizing cases
G-19841, G-19842, G-19843
G-19876, G-28150 and G-28151
- G-31652** for steam sterilizing cases
G-19877, G-19892 and G-19894
- G-31661** for steam sterilizing case G-19890
-



- G-31655** **PAPER FILTERS**
for steam sterilizing case
G-19841
100 per box
-

- G-31649** **INDICATORS**
for steam sterilization, slim
1000 per box
-



- G-31657** **SAFETY SEALS**
for steam sterilizing cases
100 per box
-



STERILIZING TRAYS

Sterilizing Cases and Racks, Silicone accessories

Geuder®

- G-19875** **STERILIZING CASE**
for hot-air sterilization
outside dimensions:
165 x 90 x 25 mm
- perforated cover, without filter
- bottom without perforation
-



- G-32020** **STERILIZING RACK**
for 5 cannulas
-



- G-32660** **SILICONE CANNULA RACK**
outside dimensions:
85 x 56 x 8 mm
for 12 cannulas
-



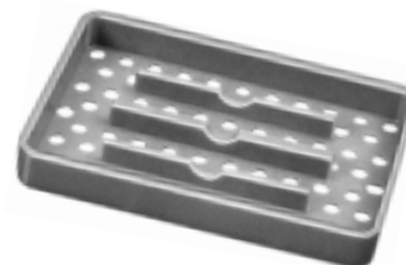
- G-32675** **SILICONE TRAY**
outside dimensions:
160 x 85 x 20 mm
with bottom
-



- G-19870** **SILICONE INSTRUMENT RACK**
outside dimensions:
160 x 85 x 20 mm
for 10 instruments with handle
-



- G-32785** **PERFORATED SILICONE TRAY**
outside dimensions:
194 x 135 x 24 mm
-



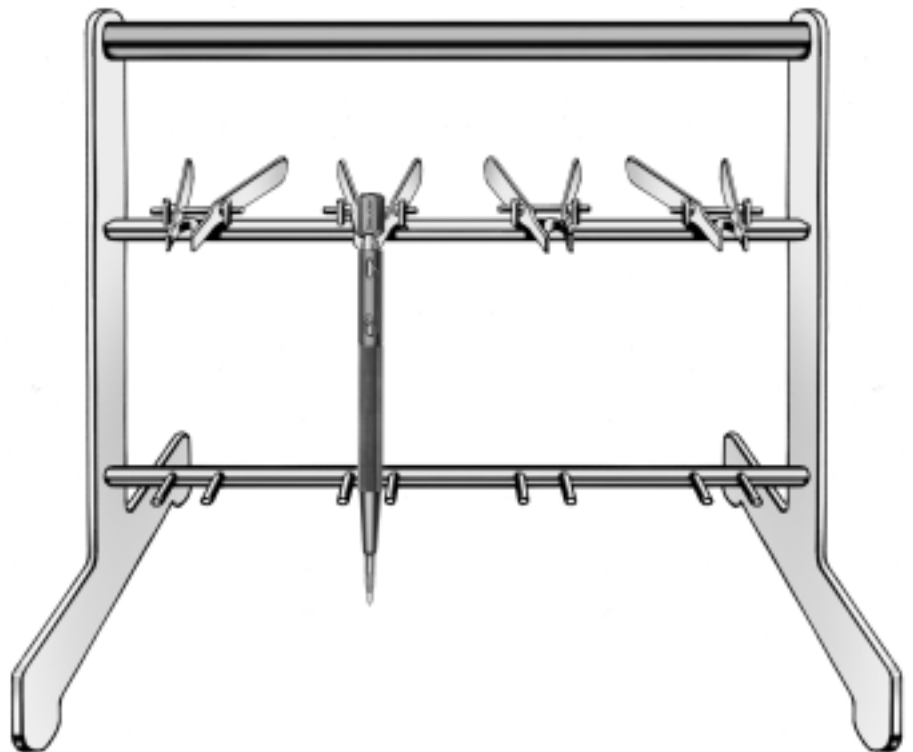
STERILIZING TRAYS

made of plastic for steam Sterilization,
Cleaning Rack

Geuder®

30

- G-39650 STERILIZING CASE**
for steam sterilization
synth. Material
for 6 vitrectomy instruments
outside dimensions:
210 x 130 x 26 mm
-



- G-32021 CLEANING RACK**
for 4 Diamond knives
-

STERILIZING TRAYS

Accessories

Geuder®

SILICONE NAP PLATE

perforated

- G-19866** 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 sterilizing cases
G-19841, G-19842, G-19843,
G-19846 and G-19847



G-31653 PERMANENT METAL FILTER

for hot-air sterilizing cases



G-31654 GLASS FIBRE FILTER

for hot-air sterilizing cases



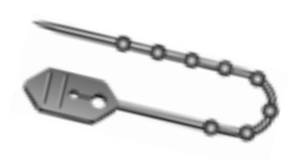
G-31660 INDICATOR STRIP

for hot-air sterilization



G-32695 SILICONE FASTENING BAND

length 170 mm



G-31659 SAFETY SEALS

for hot-air sterilizing cases
100 per box



STERILIZING TRAYS

Sterilizing Cases made of plastic
for steam sterilization

Geuder®

30

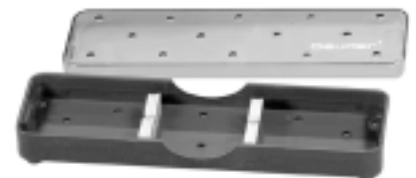
- G-33080** **STERILIZING CASE**
for steam sterilization
plastic
for 5 instruments with handle
outside dimensions:
160 x 85 x 20 mm
-



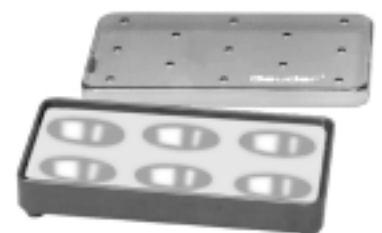
- G-33090** **STERILIZING CASE**
for steam sterilization
plastic
for one instrument with handle
or one diamond knife
outside dimensions:
160 x 60 x 20 mm
-



- G-33100** **STERILIZING CASE**
for steam sterilization
plastic
for one vitrectomy instrument
outside dimensions:
200 x 45 x 30 mm
-



- G-36090** **STERILIZING CASE**
for steam sterilization
synthetic material
for 6 vitrectomy lenses
-



STERILIZING TRAYS

Sterisafe Trays

Geuder®

G-39500 **STERISAFE A4**
STERILIZING CASE
for steam sterilization
plastic
outside dimensions:
290 x 190 x 60 mm



G-39510 **STERISAFE A6**
STERILIZING CASE
for steam sterilization
plastic
outside dimensions:
190 x 110 x 60 mm



G-39520 **STERISAFE A8**
STERILIZING CASE
for steam sterilization
plastic
outside dimensions:
90 x 90 x 55 mm



FILTERS

10 pieces per box

G-39501 for STERISAFE A4

G-39511 for STERISAFE A6

G-39521 for STERISAFE A8



STERILIZING TRAYS

Accessories for Sterisafe

Geuder®

30

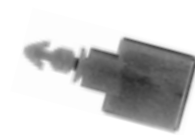
G-39530 INSERTS
for STERISAFE filters
expiration date
10 pieces per box



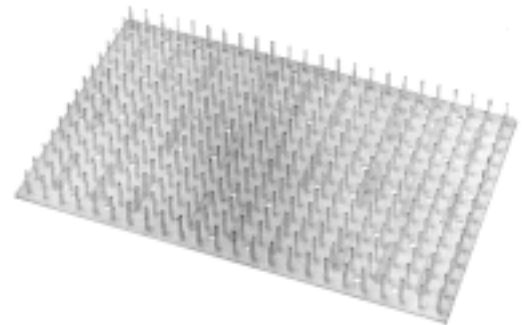
G-39535 SEAL LABELS
with indicator, markable
2000 pieces per box



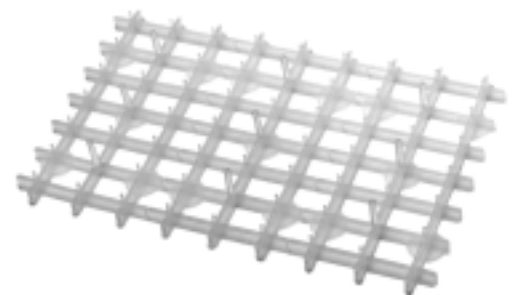
G-39540 SECURITY SEALS
100 pieces per box



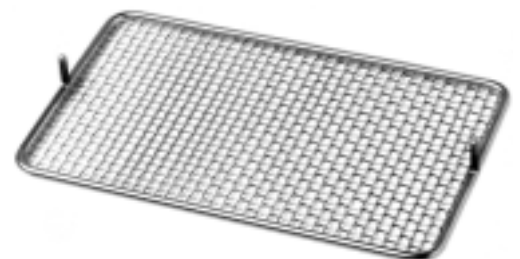
SILICONE NAP PLATE
G-39502 for STERISAFE A4
G-39512 for STERISAFE A6
G-39522 for STERISAFE A8



SILICONE GRID INSERT
G-39503 for STERISAFE A4
G-39513 for STERISAFE A6



METAL GRID INSERT
G-39504 for STERISAFE A4
G-39514 for STERISAFE A6
G-39524 for STERISAFE A8
G-39505 with 2 silicone nap strips
(not illustrated)



TREPHINES

Micro-Keratron Hand Trephines,
Keratoplasty Trephines

Geuder®

31

MICRO-KERATRON HAND TREPHINES

G-20150	5.0 mm
G-20155	5.5 mm
G-20160	6.0 mm
G-20165	6.5 mm
G-20170	7.0 mm
G-20180	8.0 mm
G-20190	9.0 mm
G-20200	10.0 mm



HAMBURG MODEL

KERATOPLASTY TREPHINES

G-20050	5.0 mm
G-20055	5.5 mm
G-20060	6.0 mm
G-20065	6.5 mm
G-20070	7.0 mm
G-20080	8.0 mm
G-20090	9.0 mm
G-20100	10.0 mm



BEST

KERATOPLASTY TREPHINES

G-20450	5.0 mm
G-20455	5.5 mm
G-20460	6.0 mm
G-20465	6.5 mm
G-20470	7.0 mm
G-20480	8.0 mm
G-20490	9.0 mm
G-20500	10.0 mm



FRANCESCHETTI

KERATOPLASTY TREPHINES

G-17250	5.0 mm
G-17251	5.1 mm
G-17260	6.0 mm
G-17261	6.1 mm
G-17270	7.0 mm
G-17271	7.1 mm
G-17280	8.0 mm
G-17281	8.1 mm
G-17290	9.0 mm
G-17291	9.1 mm
G-17300	10.0 mm



All trephines can be produced in any other diameter.

TREPHINES

Keratoplasty Trephines, Trephines

Geuder®

SWISS MODEL

KERATOPLASTY TREPHINES

G-17165	5.0 mm
G-17170	6.0 mm
G-17175	7.0 mm
G-17180	8.0 mm
G-17185	9.0 mm
G-17190	10.0 mm



BEST

TREPHINES

G-31815	1.0 mm
G-31820	1.2 mm
G-31825	1.3 mm
G-31830	1.4 mm
G-31835	1.5 mm
G-31840	1.6 mm
G-31845	1.7 mm
G-31850	1.8 mm
G-31855	1.9 mm
G-31860	2.0 mm
G-31865	2.5 mm



ELLIOT

TREPHINES

G-17140	1.0 mm
G-17141	1.1 mm
G-17142	1.2 mm
G-17143	1.3 mm
G-17144	1.4 mm
G-17145	1.5 mm
G-17146	1.6 mm
G-17147	1.7 mm
G-17148	1.8 mm
G-17149	1.9 mm
G-17150	2.0 mm
G-17155	2.5 mm



SCHMIDT-MUMM

DUCT TREPHINES

G-20610	1.0 mm
G-20611	1.1 mm
G-20612	1.2 mm
G-20613	1.3 mm
G-20614	1.4 mm
G-20615	1.5 mm
G-20616	1.6 mm
G-20617	1.7 mm
G-20618	1.8 mm



All trephines can be produced in any other diameter.

For further trephines, please see section 6, Disposable Instruments, p. 49

TREPHINES

Micro-Keratron Unit, Footswitch and
Connection Cable

Geuder®

31



**G-21000 MICRO-KERATRON
ELECTRONIC CONTROL UNIT**
with RPM selector
(digital indication)



**G-21010 MICRO-KERATRON
FOOTSWITCH**

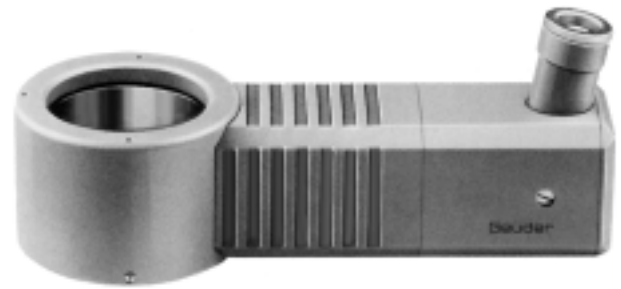


**G-21035 MICRO-KERATRON
CONNECTION CABLE**
for motor handpieces

TREPHINES

Micro-Keratron Motor Handpiece

Geuder®



**G-21030 MICRO-KERATRON
MOTOR HANDPIECE**
MODEL I
with removable motor cartridge
and spare motor cartridge



**G-21032 MICRO-KERATRON
MOTOR HANDPIECE**
MODEL III
with removable motor cartridge
and spare motor cartridge

TREPHINES

Micro-Keratron Keratoplasty Trephines

Geuder®

31

MICRO-KERATRON KERATOPLASTY TREPHINES

with protecting cap
for motor handpiece model I



G-21050	5.0 mm	G-21066	6.6 mm	G-21082	8.2 mm	G-21098	9.8 mm
G-21051	5.1 mm	G-21067	6.7 mm	G-21083	8.3 mm	G-21099	9.9 mm
G-21052	5.2 mm	G-21068	6.8 mm	G-21084	8.4 mm	G-21100	10.0 mm
G-21053	5.3 mm	G-21069	6.9 mm	G-21085	8.5 mm	G-21101	10.1 mm
G-21054	5.4 mm	G-21070	7.0 mm	G-21086	8.6 mm	G-21102	10.2 mm
G-21055	5.5 mm	G-21071	7.1 mm	G-21087	8.7 mm	G-21103	10.3 mm
G-21056	5.6 mm	G-21072	7.2 mm	G-21088	8.8 mm	G-21104	10.4 mm
G-21057	5.7 mm	G-21073	7.3 mm	G-21089	8.9 mm	G-21105	10.5 mm
G-21058	5.8 mm	G-21074	7.4 mm	G-21090	9.0 mm	G-21106	10.6 mm
G-21059	5.9 mm	G-21075	7.5 mm	G-21091	9.1 mm	G-21107	10.7 mm
G-21060	6.0 mm	G-21076	7.6 mm	G-21092	9.2 mm	G-21108	10.8 mm
G-21061	6.1 mm	G-21077	7.7 mm	G-21093	9.3 mm	G-21109	10.9 mm
G-21062	6.2 mm	G-21078	7.8 mm	G-21094	9.4 mm	G-21110	11.0 mm
G-21063	6.3 mm	G-21079	7.9 mm	G-21095	9.5 mm	G-21115	11.5 mm
G-21064	6.4 mm	G-21080	8.0 mm	G-21096	9.6 mm		
G-21065	6.5 mm	G-21081	8.1 mm	G-21097	9.7 mm		

MICRO-KERATRON KERATOPLASTY TREPHINES

with protecting cap
for motor handpiece model III

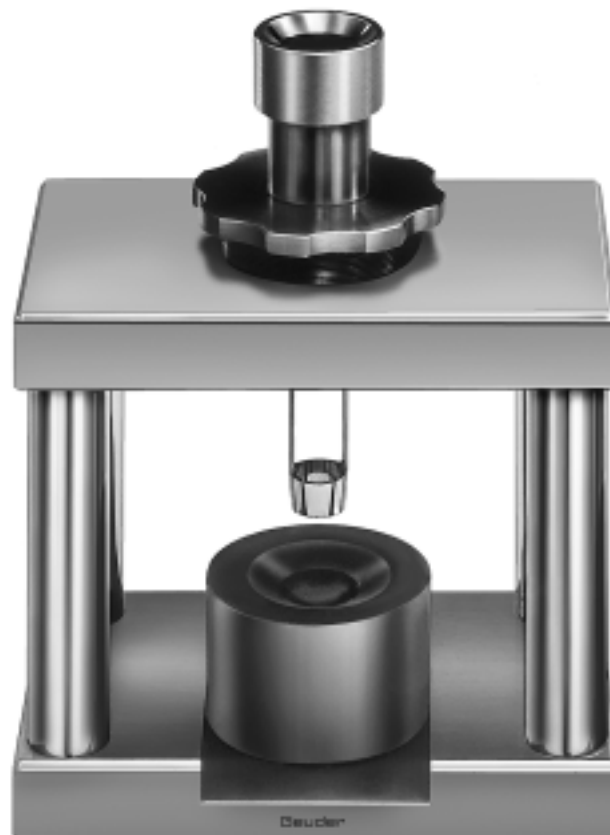


G-21400	5.0 mm	G-21416	6.6 mm	G-21432	8.2 mm	G-21448	9.8 mm
G-21401	5.1 mm	G-21417	6.7 mm	G-21433	8.3 mm	G-21449	9.9 mm
G-21402	5.2 mm	G-21418	6.8 mm	G-21434	8.4 mm	G-21450	10.0 mm
G-21403	5.3 mm	G-21419	6.9 mm	G-21435	8.5 mm	G-21451	10.1 mm
G-21404	5.4 mm	G-21420	7.0 mm	G-21436	8.6 mm	G-21452	10.2 mm
G-21405	5.5 mm	G-21421	7.1 mm	G-21437	8.7 mm	G-21453	10.3 mm
G-21406	5.6 mm	G-21422	7.2 mm	G-21438	8.8 mm	G-21454	10.4 mm
G-21407	5.7 mm	G-21423	7.3 mm	G-21439	8.9 mm	G-21455	10.5 mm
G-21408	5.8 mm	G-21424	7.4 mm	G-21440	9.0 mm	G-21456	10.6 mm
G-21409	5.9 mm	G-21425	7.5 mm	G-21441	9.1 mm	G-21457	10.7 mm
G-21410	6.0 mm	G-21426	7.6 mm	G-21442	9.2 mm	G-21458	10.8 mm
G-21411	6.1 mm	G-21427	7.7 mm	G-21443	9.3 mm	G-21459	10.9 mm
G-21412	6.2 mm	G-21428	7.8 mm	G-21444	9.4 mm	G-21460	11.0 mm
G-21413	6.3 mm	G-21429	7.9 mm	G-21445	9.5 mm	G-21465	11.5 mm
G-21414	6.4 mm	G-21430	8.0 mm	G-21446	9.6 mm		
G-21415	6.5 mm	G-21431	8.1 mm	G-21447	9.7 mm		

TREPHINES

Corneal Punch, Keratoplasty Trephines,
Silicone Block

Geuder®



G-31870 *NEUHANN*
CORNEAL PUNCH
for keratoplasty trephines
with thread G-31870 - G-33899
and silicone block for donor cornea

KERATOPLASTY TREPHINE

with thread for *NEUHANN*
corneal punch G-31870

It is necessary to state the diameter.

G-33870	7.0 mm	G-33880	8.0 mm	G-33890	9.0 mm
G-33871	7.1 mm	G-33881	8.1 mm	G-33891	9.1 mm
G-33872	7.2 mm	G-33882	8.2 mm	G-33892	9.2 mm
G-33873	7.3 mm	G-33883	8.3 mm	G-33893	9.3 mm
G-33874	7.4 mm	G-33884	8.4 mm	G-33894	9.4 mm
G-33875	7.5 mm	G-33885	8.5 mm	G-33895	9.5 mm
G-33876	7.6 mm	G-33886	8.6 mm	G-33896	9.6 mm
G-33877	7.7 mm	G-33887	8.7 mm	G-33897	9.7 mm
G-33878	7.8 mm	G-33888	8.8 mm	G-33898	9.8 mm
G-33879	7.9 mm	G-33889	8.9 mm	G-33899	9.9 mm



G-32672 **SILICONE BLOCK**
for donor cornea



For further trephines, please see section 6, p. 49

TREPHINES

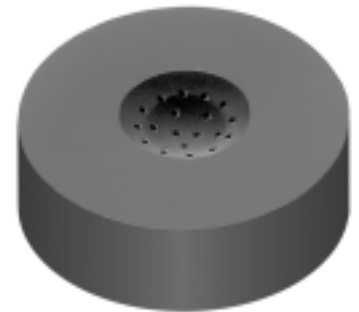
Metal Stands, Silicone Inserts, Silicone Blocks

Geuder®

31



G-21175 METAL STAND
with removable silicone
insert G-21176
for aspiration of
donor cornea



G-21176 SILICONE INSERT
for G-21175



G-32672 SILICONE BLOCK
for donor cornea



G-32674 SILICONE BLOCK
with center point
for donor cornea

TREPHINES

Keratoplasty Spatulas, Micro Biopsy Trephines

Geuder®



G-15758 **KERATOPLASTY SPATULA**
perforated



G-33290 *SCHRAGE*
MICRO-BIOPSY TREPINE
0.16 mm inside diameter

G-36000 *KILP LENS*
60 D flat, field of view 20°
with silicone ring
central posterior pole
and central vitreous body



G-36005 *MACHEMER LENS*
flat, field of view 20°
with silicone ring
central posterior pole
and central vitreous body



G-36010 *LANDERS LENS*
93 D, biconcave
with silicone ring
clear view of the fundus
in an air-filled phakic eye



G-36015 *MACHEMER LENS*
with silicone ring
for magnifying structures
deep in the vitreous cavity
or on the retinal surface



G-36020 *PEYMAN LENS*
wide field of view 30°
with silicone ring
central fundus and
central vitreous body



G-36025 *TOLENTINO LENS*
prism 20°
with silicone ring
posterior peripheral fundus
and posterior peripheral
vitreous body



G-36030 *TOLENTINO LENS*
prism 30°
with silicone ring
peripheral viewing
beyond the equator



G-36035 *WOLDOFF LENS*
prism 30°, biconcave
with silicone ring
retinal periphery in
gas-filled phakic eye



VITRECTOMY LENSES

Lens, Silicone Replacement Rings,
Holding Forceps, Accessories

Geuder®

G-36040 **ECKARDT LENS**
convex-concave with silicone ring
for OCULUS BIOM system,
for a viscous fluid-filled eye



G-36045 **SILICONE REPLACEMENT RING**
for KILP lens G-36000



G-36050 **SILICONE REPLACEMENT RING**
for lenses G-36005 to G-36035



G-36055 **SILICONE REPLACEMENT RING**
for ECKARDT lenses for OCULUS BIOM
system G-36040



G-36065 **LENS HANDLE RING**
for KILP lens G-36000
without silicone ring
for suturing to sclera



G-36060 **CLEMENS LENS HANDLE**
for lenses with silicone ring
used to stabilize lenses
G-36000 to G-36035



G-33434 **PFENNIGWERTH HOLDING FORCEPS**
for vitrectomy lenses



G-36090 **STERILIZING CASE**
synthetic material for 6 vitrectomy lenses



MISCELLANEOUS

Rongeurs, Nasal Specula, Hammers

Geuder®

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G-31810 FRIEDMANN
RONGEUR



G-32355 NASAL SPECULUM



G-33125 HAMMER
lead filled

MISCELLANEOUS

Elevatoriums, Raspatoriums,
Bone Chisels

Geuder®



G-18630 HEIDELBERG MODEL
ELEVATORIUM



G-18620 HEIDELBERG MODEL
RASPATORY



G-18240 BONE CHISEL
flat, 5.0 mm wide



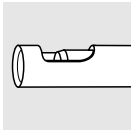
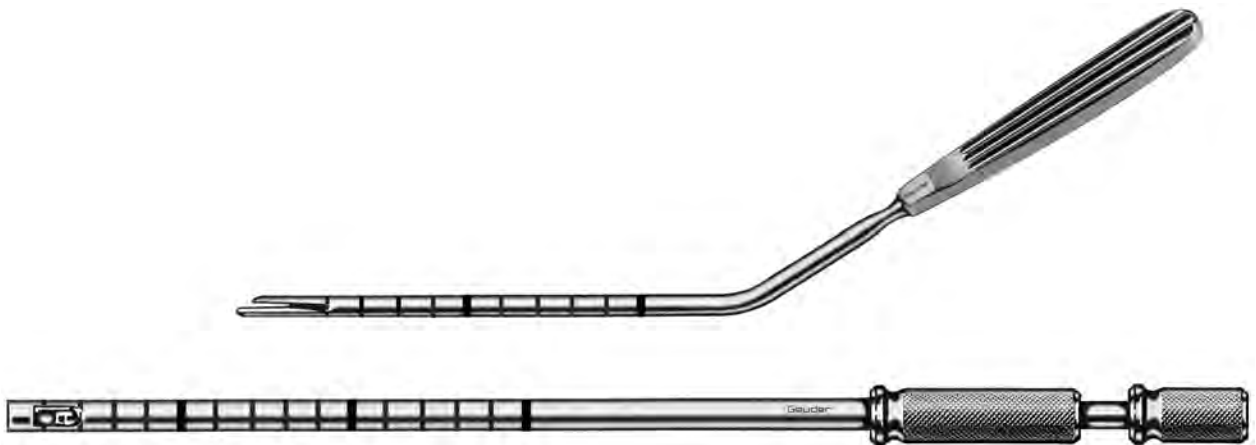
G-18245 BONE CHISEL
hollow, 5.0 mm wide

MISCELLANEOUS

Fasciatomes, Intraocular Magnets, Diamond Burrs,
Guiding Instruments

Geuder®

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G-15895 ROTTERDAM MODEL
FASCIATOM



G-31900 KUHN
INTRAOCULAR MAGNET
15 gauge / 1.9 mm



DIAMOND BURR
top, inside, outside coat

G-18300 8.0 mm
G-18301 9.0 mm
G-18302 10.0 mm



G-33122 PÖLLMANN
GUIDING INSTRUMENT
for D.C.R. drill

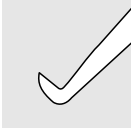
Instrument Sets	231-267
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RENTSCH Instrument Set	236
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INSTRUMENT SET

AGARWAL Phaconit Set

Geuder®

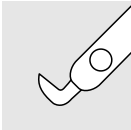
34



G-3

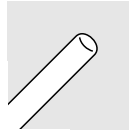
G-32282 AGARWAL
KARATE PHACO CHOPPER

Featuring a short semi-sharp edge, this instrument is used for the Karate Chop technique.



G-32284 AGARWAL
IRRIGATING NUCLEUS CHOPPER
20 gauge / 0.90 mm

This instrument, designed by Dr. Amar Agarwal of Chennai, India, for his Phakonit technique, features dual irrigating ports and a semi-sharp cutting edge for effective Karate Phaco Chopping. Once chopped, the cataract can then be emulsified with minimal ultrasonic energy through a 0.9 mm incision.



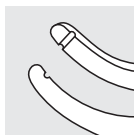
G-32286 AGARWAL
GLOBE STABILIZER AND NUCLEUS MANIPULATOR

This double instrument features a Y-shaped tip on one end and a smooth blunt rod on the opposite end. It was designed by Dr. Amar Agarwal for his technique of „No Anesthesia Cataract Surgery“. The blunt rod is used to stabilize the globe through insertion into the paracentesis with no patient discomfort and to avoid subconjunctival hemorrhages, which can occur when using forceps. The Y-shaped tip is used to rotate and manipulate the nucleus as well as to push back the iris in cases of small pupils.

INSTRUMENT SET

ENGELS Iris Suture Set

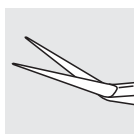
Geuder®



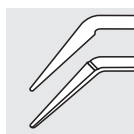
G-32262 *ENGELS*
NEEDLE HOLDER
curved, with lock and
guiding groove for long needles



G-32009 *ENGELS*
SUTURE HOOK and SUPPORTING CANNULA
for iris sutures



G-19778 *ENGELS*
SCISSORS
angled on flat, 8 cm
extremely delicate
9 mm blade



G-31626 *ENGELS*
TYING FORCEPS
angled, 3.50 mm
for iris sutures

ENGELS IRIS SUTURE SET

for iris sutures with long needles in case of iridotomies, iris traumata and to gather the iris

Due to the strong leverage of the needle holders jaw, long needles for iris sutures or transscleral IOL suture fixation can slide and make uncontrolled movements in the eye. With the guiding groove even long needles can be held firmly and the tip can be safely controlled. A supporting cannula is used to fix the iris when the suture is made. If the suture is made from the front,

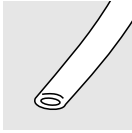
the supporting cannula fixes the iris from behind. When the suture is made from behind, a little slot facilitates the introduction of the needle tip into the supporting cannula. The tip of the needle is then moved outside within the cannula. With the flat eyelet of the suture hook, a loop of the iris suture is torn outside where it is knotted with the other end of the suture (gliding knot technique). With this extremely fine pair of scissors, iris tissue, lens capsules and iris sutures can be cut through a 1.2 mm incision, but no cornea, corium or IOL haptics.

INSTRUMENT SET

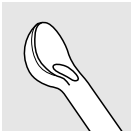
PH. JACOBI Glaucoma Set

Geuder®

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G-22619 PH. JACOBI
TRABECULAR ASPIRATION CANNULA
24 gauge / 0.6 mm



G-15115 PH. JACOBI
GONIOSCRAPER CANNULA
27 gauge / 0.4 mm, right



G-15116 PH. JACOBI
GONIOSCRAPER CANNULA
27 gauge / 0.4 mm, left



G-15117 PH. JACOBI
GONIOSCRAPER
27 gauge / 0.4 mm, right



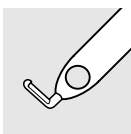
G-15118 PH. JACOBI
GONIOSCRAPER
27 gauge / 0.4 mm, left



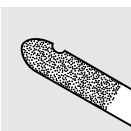
INSTRUMENT SET

R. KOCH Instrument Set
for Bimanual Phaco Technique

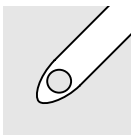
Geuder®



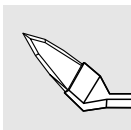
G-32014 R. KOCH
IRRIGATING HANDPIECE WITH CHOPPER
angled, irrigating ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm



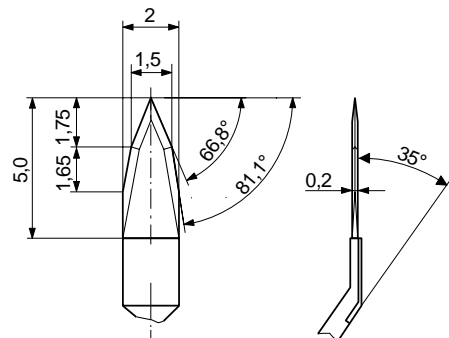
G-32026 R. KOCH
ASPIRATING HANDPIECE
aspirating port 0.3 mm
tube 19 gauge / 1.1 mm
rough tip



G-32028 R. KOCH
IRRIGATING HANDPIECE
irrigating ports 2 x 0.75 mm
tube 19 gauge / 1.1 mm



G-31448 **CLEAR-CORNEA-INCISION DIAMOND KNIFE**
for bimanual Phaco
1.50 x 2.00 mm



Bimanual phacoemulsification with the R. Koch Irrigating Handpiece with Chopper

Using this instrument is particularly interesting when the surgeon wants to implant a foldable lens with an injector system that requires a very narrow incision only. In this case, the surgeon only needs two corneal incisions, a temporal one of 2.0 mm and a temporal one from above of 1.1 mm. The capsulorhexis is performed through the upper temporal incision using a cystotome and then phacoemulsification is carried out with a 20 gauge phaco tip without irrigation sleeve, whilst the chopper that has an irrigation tube is introduced through the

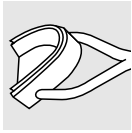
temporal incision at the same time. Thanks to the chop technique and a high vacuum (500 mmHg, flow 26 ccm), the use of ultrasound can be reduced that much with an efficient phaco machine that even in the case of hard nuclei, phacoemulsification can be carried out without sleeve through a small incision without burning the cornea. Cortex is also aspirated bimanually through both corneal incisions. The temporal incision must only be increased to implant the lens if the implantation system that is used requires an incision of more than 2.0 mm.

INSTRUMENT SET

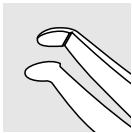
TOBIAS NEUHANN Glaucoma Set

Geuder®

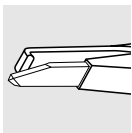
34



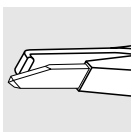
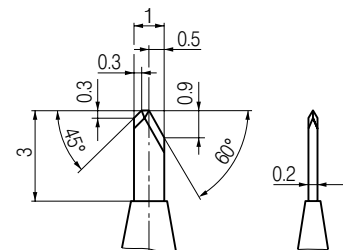
G-32209 TOBIAS NEUHANN
SCLERA FLAP MARKER



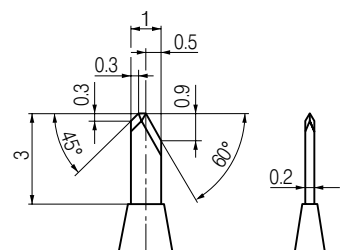
G-18805 TOBIAS NEUHANN
DESCEMET'S MEMBRANE FORCEPS



G-31470 **THREE-CUT DIAMOND STEP KNIFE**
titanium, 1.00 x 0.20 mm
stepwise adjustable



THREE-CUT DIAMOND STEP KNIFE
titanium, 1.00 x 0.20 mm
depth of incision not adjustable

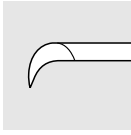


G-31474 depth of incision 0.30 mm
G-31472 depth of incision 0.25 mm

INSTRUMENT SET

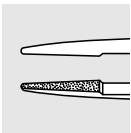
RENTSCH Instrument Set for Trabecular
Meshwork Surgery

Geuder®



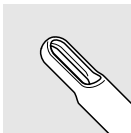
G-14166 RENTSCH
MICRO SATO KNIFE
retractable

For lamellar incision of the juxtacanalicular trabecular meshwork.
Edge exchangeable.

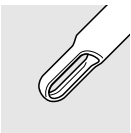


G-19033 RENTSCH
MICRO HOLDING FORCEPS
rough

For the peeling of the juxtacanalicular trabecular meshwork.
Graps very fine lamellae of tissue.



G-15119 RENTSCH
VISCO CANULLA
31 Gauge / 0.25 mm
right



G-15120 RENTSCH
VISCO CANULLA
31 Gauge / 0.25 mm
left

Injection cannula for the canal of Schlemm.
The tip of the cannula is protected by a fine loop which facilitates the introduction into the canal of Schlemm.

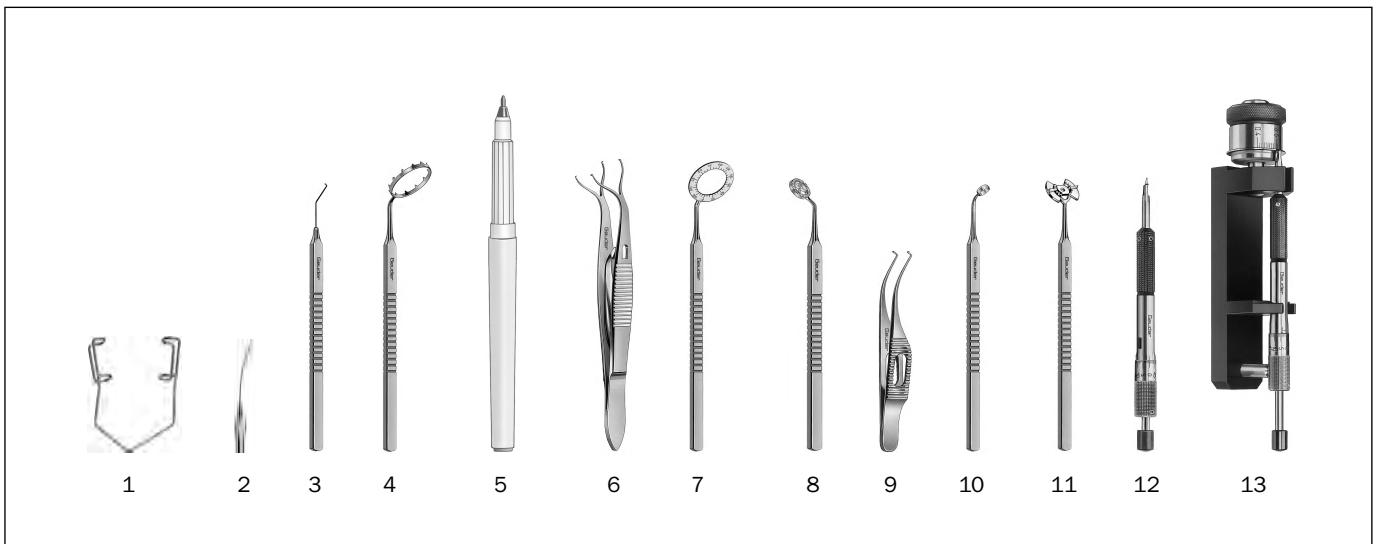
INSTRUMENT SET

Astigmatic Keratotomy (A.K.)

Geuder®

34

1. **G-17020** *BARRAQUER* Eye Speculum
 2. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
 3. **G-33785** *GRENE* Axis Marker
 4. **G-33755** *THORNTON* Fixation Ring
 5. **G-33798** Marking Pen, sterile
 6. **G-33705** Fixation Forceps, curved
 7. **G-33760** *MENDEZ* Measuring Ring
 8. **G-32222** *NEUHANN* Corneal Marker
I.D. 6.0 mm / O.D. 8.0 mm
 9. **G-33750** *GILLS* Spreading Forceps
 10. **G-33736** *HOFFER* Corneal Marker
I.D. 5.0 mm
 11. **G-33781** *LINDSTROM* Corneal Marker
optic zone 7.0 mm
 12. **G-31480** Diamond Knife
3 cutting edges, angle 15°
 13. **G-19349** Measuring Gauge
- OPTION STERILIZING CASE**
14. **G-19876** Sterilizing case for steam sterilization
300 x 220 x 55 mm



INSTRUMENT SET

Retinal Detachment

Geuder®

1. **G-17020** *BARRAQUER* Eye Speculum
2. **G-18182** *HALSTEAD* Mosquito Forceps, curved
3. **G-33200** *SCHAEDEL* Towel Forceps (2x)
4. **G-18190** *DIEFFENBACH* Serrefine (2x)
5. **G-19270** *BARRAQUER* Razor Blade Holder
6. **G-19300** Razor Blades
7. **G-18820** *REMKY* Superior Rectus Forceps
8. **G-19750** *WESTCOTT* Tenotomy Scissor
9. **G-19600** Scissors, light curve
10. **G-19375** Eye Scissors, curved
11. **G-19355** Eye Scissors, straight
12. **G-19475** *STEVENS* Tenotomy Scissors, curved
13. **G-19675** *WECKER* Iridectomy Scissors
14. **G-19230** *SCHIOETZ* Tonometer
15. **G-32446** Orbital Spatula
16. **G-15720** *BANGERTER* Spatula, 6.0 mm
17. **G-15821** Strabismus Hook, 1.0 mm hole (2x)
18. **G-32920** *JAMESON* Strabismus Hook
19. **G-15830** *MALBRAN* Strabismus Hook
20. **G-32150** *LAQUA* Localizer
21. **G-15800** *GRAEFE* Strabismus Hook, small
22. **G-15805** *GRAEFE* Strabismus Hook, medium
23. **G-15810** *GRAEFE* Strabismus Hook, large
24. **G-18950** Colibri Forceps
25. **G-18782** Dressing Forceps, serrated, 1.0 mm
26. **G-18792** Tissue Forceps, 1x2 teeth, 1.0 mm
27. **G-19005** *CASTROVIEJO* Suturing Forceps, 0.3 mm
28. **G-19120** Muscle Forceps, right
29. **G-19125** Muscle Forceps, left
30. **G-19032** Tying Forceps, angled
31. **G-19030** Tying Forceps, straight
32. **G-31953** Iris Forceps, 1x2 teeth, straight
33. **G-18855** Iris Forceps, serrated, straight
34. **G-17500** *BARRAQUER* Needle Holder
curved, without lock
35. **G-17501** *BARRAQUER* Needle Holder
curved, with lock
36. **G-17565** *CASTROVIEJO* Needle Holder
straight, with lock
37. **G-18650** Rule
38. **G-19130** *CASTROVIEJO* Marking Caliper
39. **G-32210** *FRONIMOPULUS* Marker

OPTION SCLERAL SPONGES see page 201

OPTION STERILIZING CASE

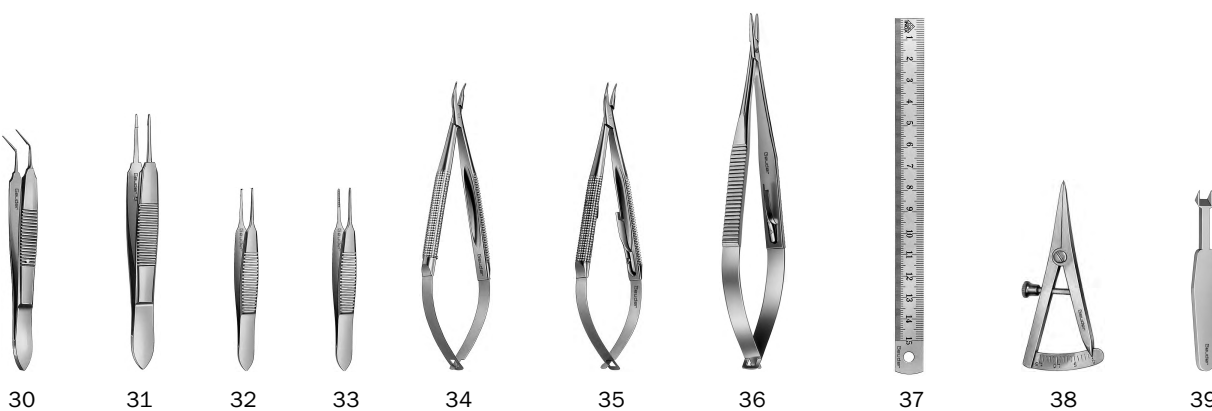
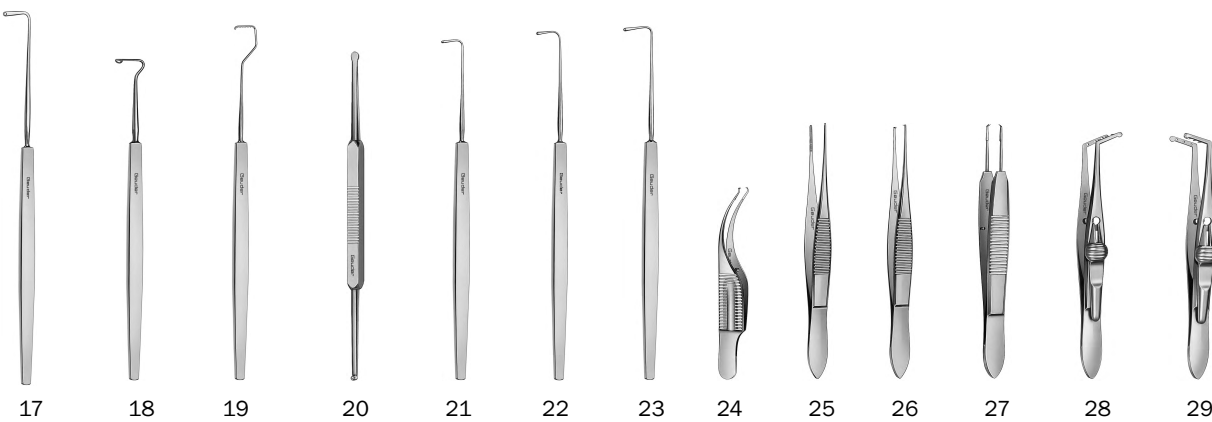
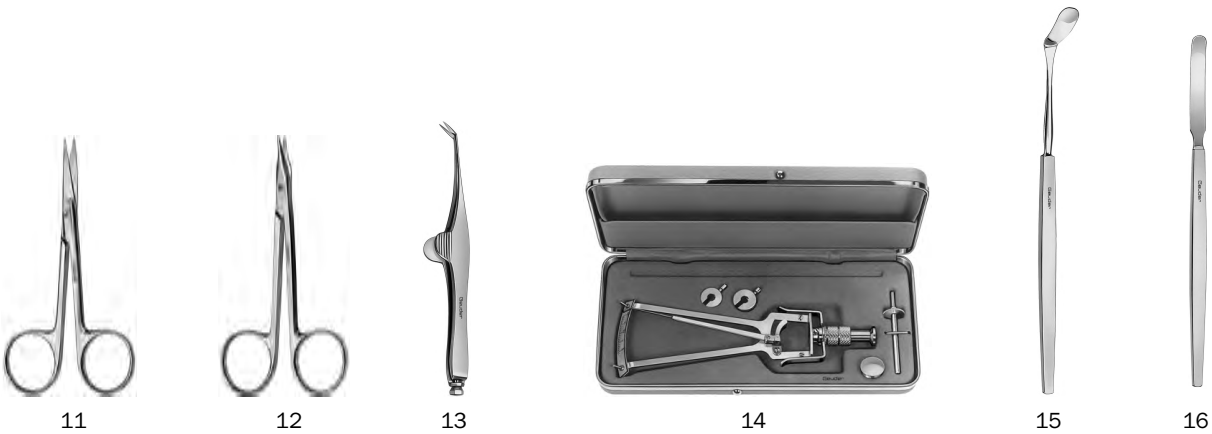
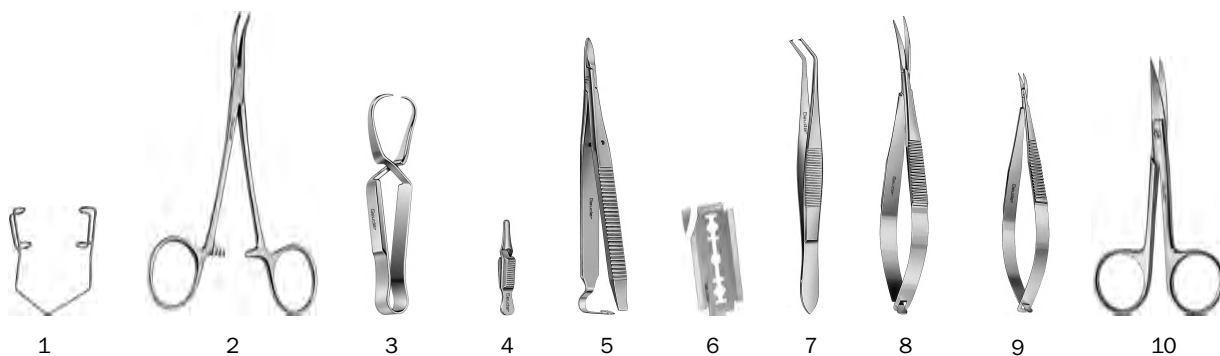
40. **G-19877** Sterilizing case for steam sterilization
400 x 290 x 55 mm

INSTRUMENT SET

Retinal Detachment

Geuder®

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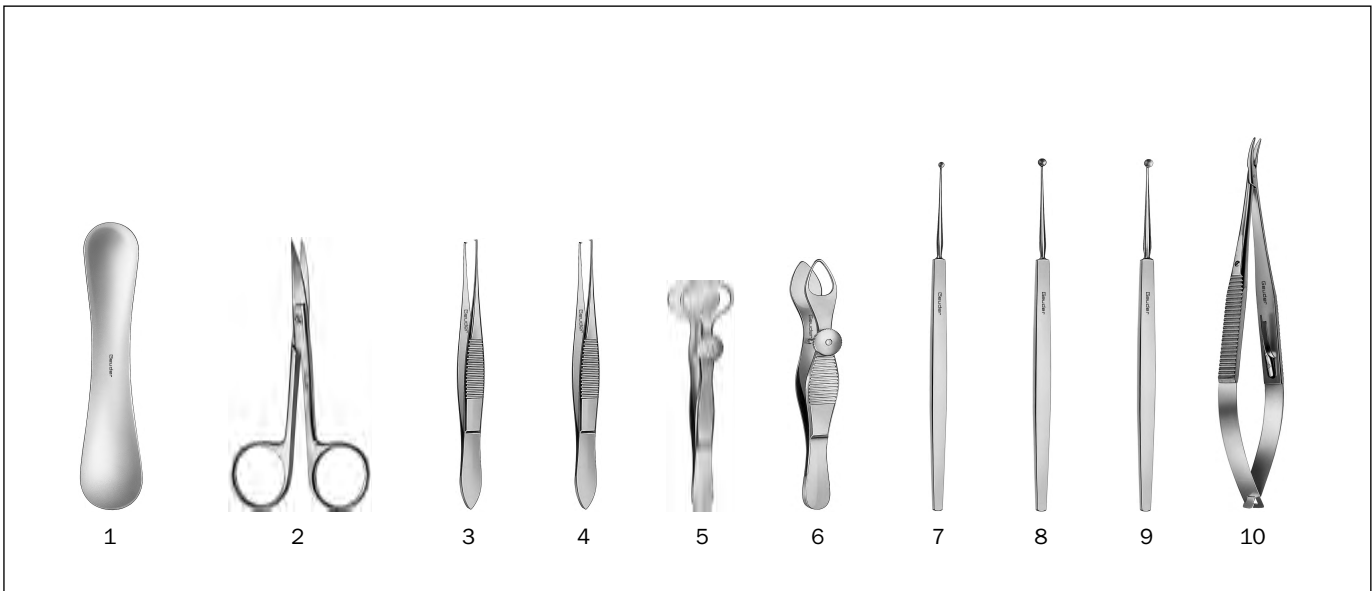


INSTRUMENT SET

Chalazion

Geuder®

1. **G-17040** *JAEGER* Lid Plate
 2. **G-19375** Eye Scissors, curved
 3. **G-18791** Tissue Forceps, 1x2 teeth, 0.7 mm
 4. **G-18792** Tissue Forceps, 1x2 teeth, 1.0 mm
 5. **G-18685** *DESMARRES* Chalazion Forceps
 6. **G-18710** *LORDAN* Chalazion Forceps
 7. **G-15870** Chalazion Curette, 2.0 mm
 8. **G-15875** Chalazion Curette, 2.5 mm
 9. **G-15880** Chalazion Curette, 3.0 mm
 10. **G-17575** *CASTROVIEJO* Needle Holder
14. **G-19876** **OPTION STERILIZING CASE**
Sterilizing case for steam sterilization
300 x 220 x 55 mm



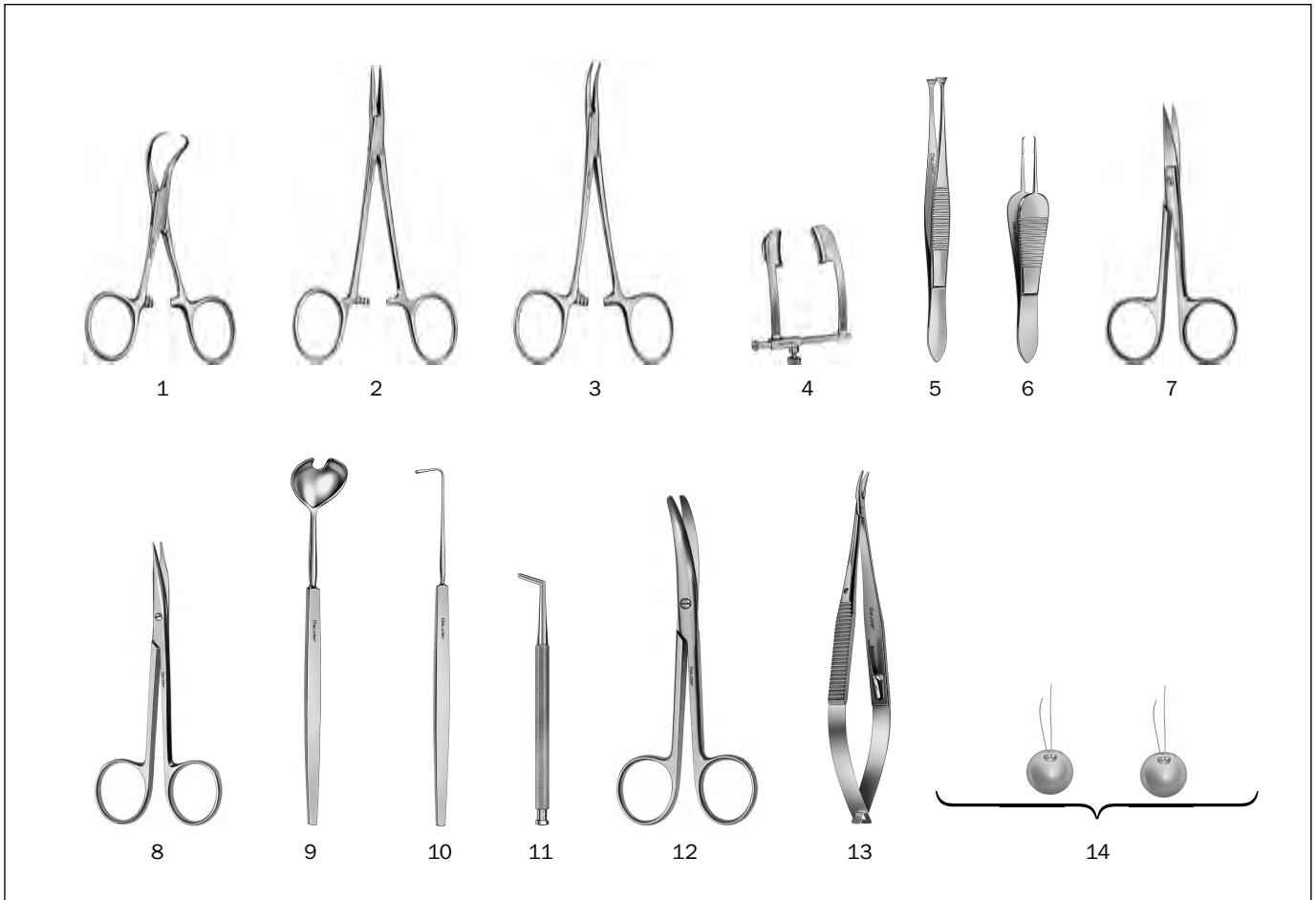
INSTRUMENT SET

Enucleation

1. **G-18160** BACKHAUS Towel Forceps (2x)
2. **G-18180** HALSTEAD Mosquito Forceps straight (2x)
3. **G-18181** HALSTEAD Mosquito Forceps curved (2x)
4. **G-15990** COOK Eye Speculum, large
5. **G-19050** GRAEFE Fixation Forceps
6. **G-18940** PAUFIQUE Univ. Suturing Forceps
7. **G-19375** Eye Scissors, curved
8. **G-19485** Tenotomy Scissors, curved
9. **G-15780** WELLS Enucleation Spoon
10. **G-15810** GRAEFE Strabismus Hook, large
11. **G-19110** BANGERTER Muscle Forceps
12. **G-19525** Enucleation Scissors, medium curve
13. **G-17575** Castroviejo Needle Holder
14. **G-18517** Eye Sphere, 16 mm
14. **G-18519** Eye Sphere, 18 mm

OPTION STERILIZING CASE

15. **G-19876** Sterilizing case for steam sterilization
300 x 220 x 55 mm



INSTRUMENT SET

Dacryocystorhinostomy D.C.R. /
Lacrimal

Geuder®

1. **G-15995** COOK Eye Speculum, medium
2. **G-18160** BACKHAUS Towel Forceps (2x)
3. **G-18180** HALSTEAD Mosquito Forceps straight (2x)
4. **G-18181** HALSTEAD Mosquito Forceps curved (2x)
5. **G-18225** KERRISON Bone Nibbling Rongeur
6. **G-32355** Nasal Speculum
7. **G-31810** FRIEDMANN Rongeur
8. **G-33125** Hammer
9. **G-150302** Lacrimal Probe, medium
10. **G-18630** Elevatorium
11. **G-18240** Bone Chisel, flat
12. **G-18245** Bone Chisel, hollow
13. **G-15095** Pigtail Probe with suture holes
14. **G-32725** OGGEL Intubation Set
15. **G-150101** Lacrimal Probe, cyl., size 0000/000
- G-150102** Lacrimal Probe, cyl., size 00/0
- G-150103** Lacrimal Probe, cyl., size 1/2
- G-150104** Lacrimal Probe, cyl., size 3/4
- G-150105** Lacrimal Probe, cyl., size 5/6
16. **G-18782** Dressing Forceps, serrated, 1.0 mm
17. **G-18940** PAUFIQUE Univ. Suturing Forceps
18. **G-18810** Conjunctiva Forceps, nontraumatic
19. **G-15190** Lacrimal Cannula, straight
20. **G-15195** Lacrimal Cannula, round curve
21. **G-19030** Tying Forceps, straight
22. **G-15542** AXENFELD Retractor
23. **G-19485** Tenotomy Scissors, curved
24. **G-19355** Eye Scissors, straight
25. **G-17575** CASTROVIEJO Needle Holder
26. **G-19600** Scissors, light curve

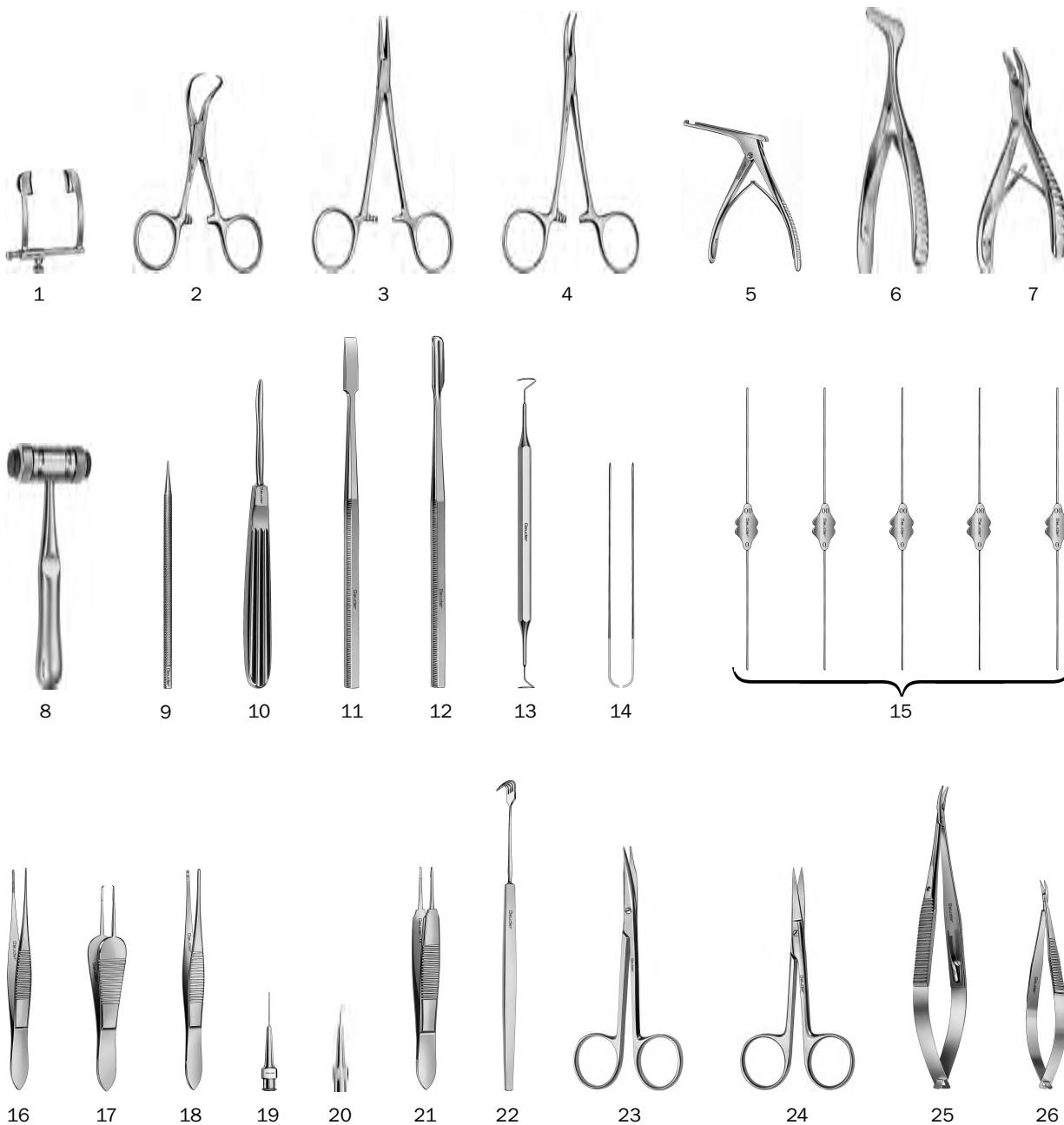
27. **G-19843** **OPTION STERILIZING CASE**
Sterilizing case for steam sterilization
300 x 220 x 75 mm

INSTRUMENT SET

Dacryocystorhinostomie D.C.R. /
Lacrimal

Geuder®

34



INSTRUMENT SET

E.C. Cataract

Geuder®

1. **G-17020** *BARRAQUER* Eye Speculum
2. **G-18180** *HALSTEAD* Mosquito Forceps
3. **G-18160** *BACKHAUS* Towel Forceps (2x)
4. **G-18820** *REMKY* Superior Rectus Forceps
5. **G-17610** *KALT* Needle Holder, straight
6. **G-17565** *CASTROVIEJO* Needle Holder
7. **G-17500** *BARRAQUER* Needle Holder
8. **G-19400** *BONN* model, Eye Scissors
9. **G-19750** *WESTCOTT* Scissors
10. **G-18791** Tissue Forceps, 1x2 teeth, 0.7 mm
11. **G-18190** *DIEFFENBACH* Serrefine (2x)
12. **G-19270** *BARRAQUER* Razor Blade Holder
13. **G-19300** Razor Blades
14. **G-15185** *FRANKFURT* mod. Hydrodissection Cannula
15. **G-16125** *KRATZ* Capsule Polishing Cannula
16. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
17. **G-16115** Irrigating Vectis Cannula
18. **G-16106** *SIMCOE* I/A Cannula
19. **G-32665** Silicone Bulb, 20 ml
20. **G-19710** Corneal Scissors, right
21. **G-19715** Corneal Scissors, left
22. **G-19605** Scissors, blunt-blunt
23. **G-19776** Capsulotomy Scissors
24. **G-19765** *VANNAS* Capsulotomy Scissors
25. **G-31305** Capsulorhexis Forceps
26. **G-33440** Anterior Chamber Forceps
27. **G-18960** Micro Colibri Forceps
28. **G-19030** Tying Forceps, straight
29. **G-19032** Tying Forceps, angled
30. **G-16190** Spatula, angled
31. **G-15630** *SNELLEN* Lens Loop
32. **G-18910** *BONN* model, Iris Forceps
33. **G-19675** *WECKER* Iridectomy Forceps
34. **G-19130** *CASTROVIEJO* Marking Caliper
35. **G-16175** *DARDENNE* Iris Hook
36. **G-18935** *DODEN* Implantation Forceps
37. **G-16167** *SINSKEY* Manipulator
38. **G-32318** *MALONEY* Keratometer

OPTION DIAMOND KNIVES

39. **G-19344** Diamond Knife, 1.00 x 0.20 mm
40. **G-19345** Diamond Knife, 1 cutting edge 45°

OPTION IRIS RETRACTORS

- for mechan. dilation of the pupil
41. **G-15523** *FULLER* Iris Retractor

OPTION STERILIZING CASE

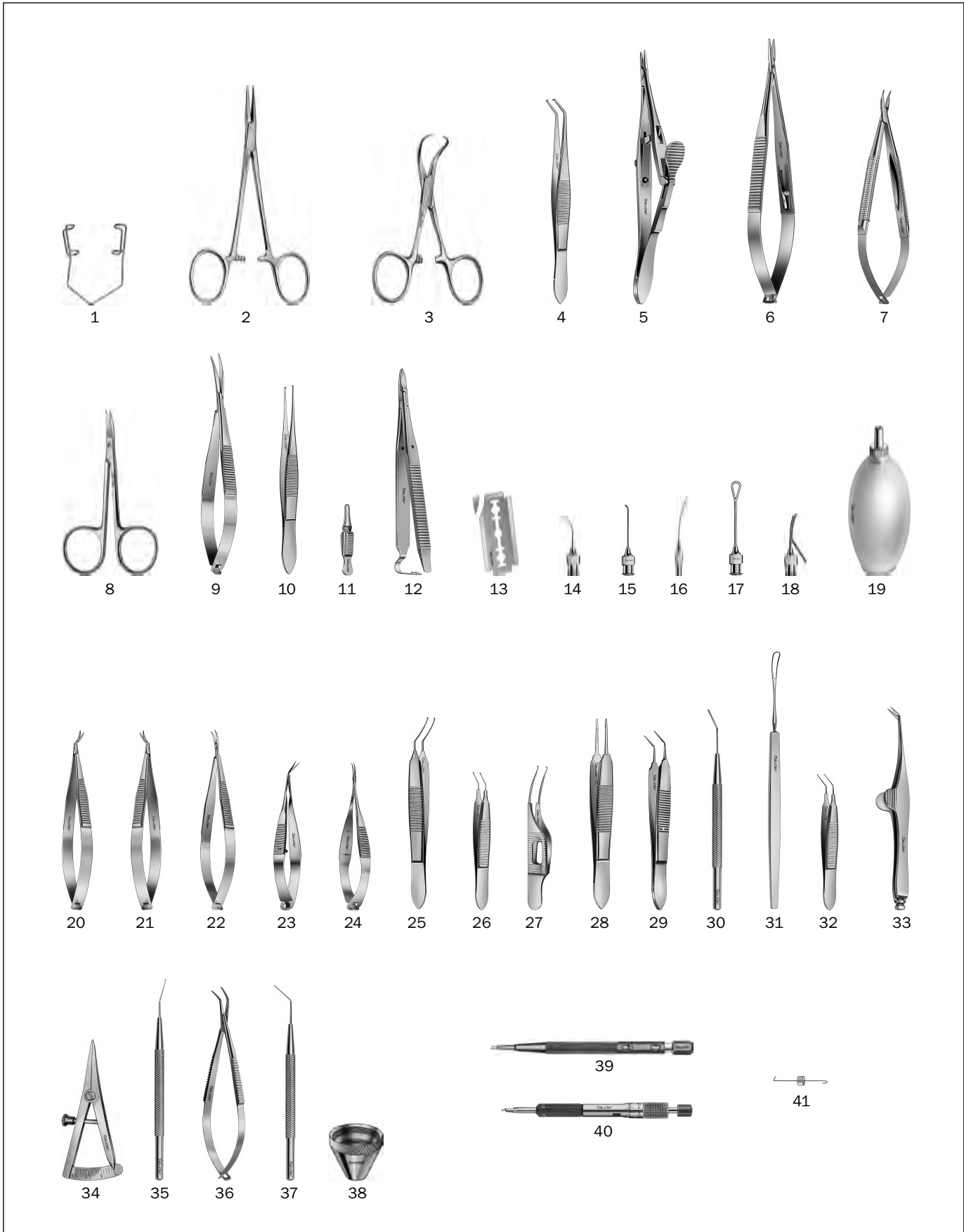
14. **G-19843** Sterilizing case for steam sterilization
300 x 220 x 75 mm

INSTRUMENT SET

E.C. Cataract

Geuder®

34



INSTRUMENT SET

Glaucoma

Geuder®

1. **G-17020** *BARRAQUER* Eye Speculum
2. **G-18180** *HALSTEAD* Mosquito Forceps
3. **G-18160** *BACKHAUS* Towel Forceps (2x)
4. **G-18820** *REMKY* Superior Rectus Forceps
5. **G-17565** *CASTROVIEJO* Needle Holder
6. **G-17500** *BARRAQUER* Needle Holder
7. **G-19400** *BONN* mod., Eye Scissors
8. **G-19750** *WESTCOTT* Scissors
9. **G-19630** *TUEBINGEN* mod., Scissors
10. **G-19675** *WECKER* Iridectomy Scissors
11. **G-19130** *CASTROVIEJO* Marking Caliper
12. **G-15185** *FRANKFURT* mod. Hydrodissection Cannula (2x)
13. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
14. **G-15187** Irrigating Cannula for Visco Canalostomy
15. **G-14105** Micro Round Knife for Visco Canalostomy
16. **G-31487** Diamond Knife for Visco Canalostomy
17. **G-31470** Three-Cut Diamond Step Knife, titanium
18. **G-20612** Duct Corneal Trephine, 1.2 mm
19. **G-15125** *HARMS* Trabecular Probe, right
20. **G-15130** *HARMS* Trabecular Probe, left
21. **G-18235** *GREHN* Glaucoma Punch
22. **G-18791** Tissue Forceps, 1x2 teeth, 0.7 mm
23. **G-18792** Tissue Forceps, 1x2 teeth, 1.0 mm
24. **G-18960** Micro Colibri Forceps
25. **G-19030** Tying Forceps, straight (2x)
26. **G-18900** *BONN* mod., Iris Forceps
27. **G-16190** Spatula, angled
28. **G-19230** *SCHIOETZ* Tonometer

OPTION NEUHANN

TRABECULOTOMY INSTRUMENTS

29. **G-15136** U-Shaped Probe, 0.30 mm
30. **G-15138** U-Shaped Probe, 0.25 mm
31. **G-15137** Holder for U-Shaped Probe
32. **G-15134** Micro Colibri Forceps, extr. delicate

OPTION STERILIZING CASE

15. **G-19877** Sterilizing case for steam sterilization
400 x 290 x 55 mm

INSTRUMENT SET

Glaucoma

Geuder®

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INSTRUMENT SET

Instruments for Ophthalmologists'
Consulting Room Purposes

Geuder®

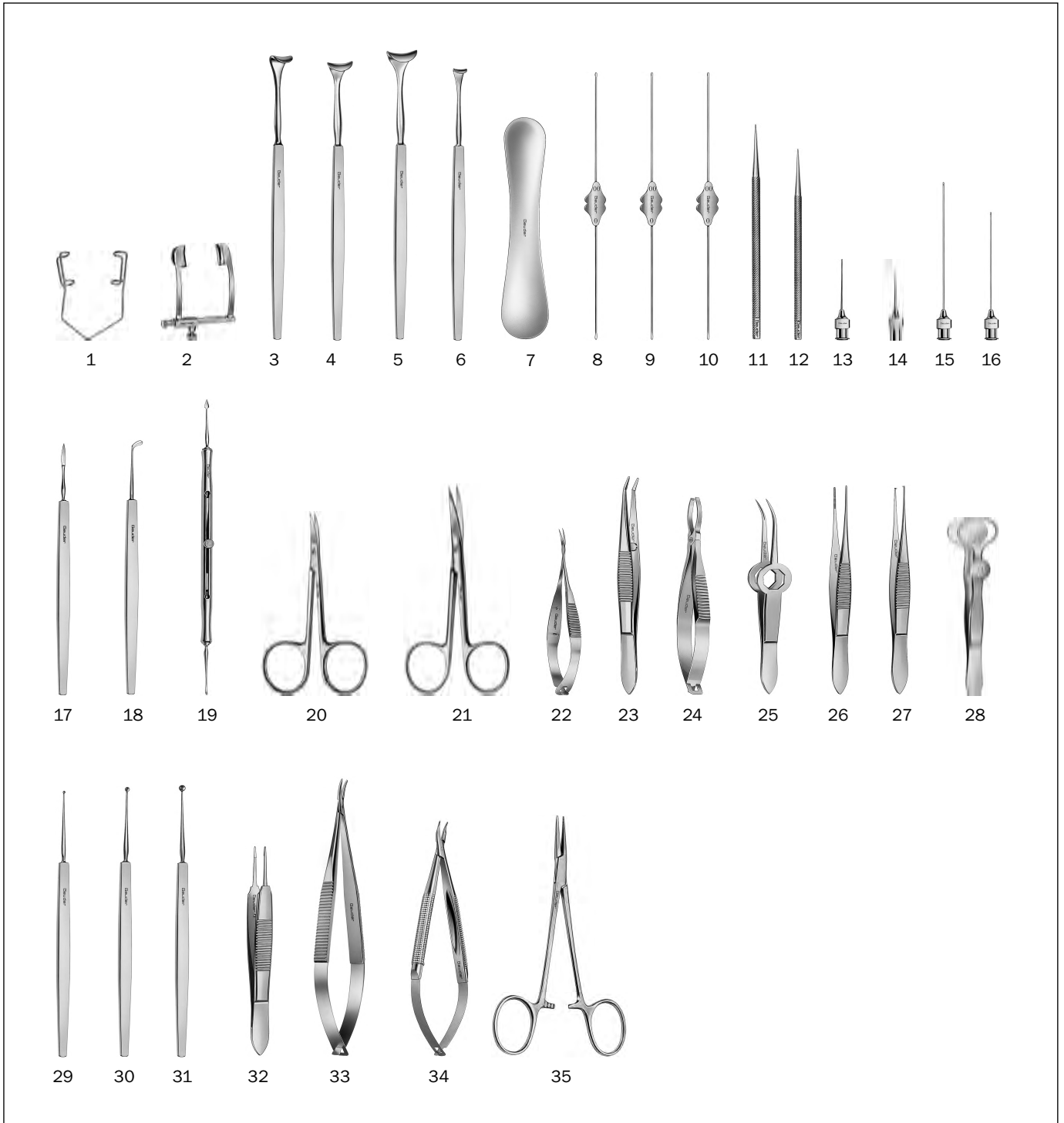
1. **G-17020** *BARRAQUER* Eye Speculum, fenestrated
 2. **G-15995** *COOK* Eye Speculum, medium
 3. **G-32120** *DESMARRES* Lid Retractor, fig. 0
 4. **G-16060** *DESMARRES* Lid Retractor, fig. 1
 5. **G-16065** *DESMARRES* Lid Retractor, fig. 2
 6. **G-16080** *DESMARRES* Lid Retractor, for infants
 7. **G-17040** *JAEGER* Lid Plate, metal
 8. **G-150051** *BOWMAN* Lacrimal Probe, size 0000/000
 9. **G-150052** *BOWMAN* Lacrimal Probe, size 000/00
 10. **G-150053** *BOWMAN* Lacrimal Probe, size 00/0
 11. **G-150301** *WILDER* Lacrimal Probe, delicate
 12. **G-150401** *WILDER* Lacrimal Probe, slim, delicate
 13. **G-33135** Lachrymal Cannula, bevelled, straight
 14. **G-15151** Lachrymal Cannula, bevelled, short angled (2x)
 15. **G-15270** *BANGERTER* Lacrimal Probe Cannula
21 gauge / 0.80 x 60 mm
 16. **G-15273** *BANGERTER* Lacrimal Probe Cannula
23 gauge / 0.64 x 40 mm
 17. **G-14000** Chalazion Knife, delicate
 18. **G-14010** *KUHNT* Corneal Scarifier, fig. 1
 19. **G-14550** Foreign Body Instrument in sliding handle
needle / Plange spud
 20. **G-19400** Eye Scissors, Bonn model curved, extremely delicate
 21. **G-19395** Eye Scissors, curved, delicate
 22. **G-19630** After-Cataract Scissors, Tuebingen model curved
 23. **G-18750** *BARRAQUER* Cilia Forceps
 24. **G-18730** *GRADLE* Cilia Forceps
 25. **G-18850** *SHAAF* Cilia and Foreign Body Forceps
 26. **G-18781** Dressing Forceps serrated, 0.7 mm
 27. **G-18791** Tissue Forceps 1 x 2 teeth, 0.7 mm
 28. **G-18685** *DESMARRES* Chalazion Forceps 20 mm
 29. **G-15900** *MEYHOEFER* Chalazion Curette 1.0 mm
 30. **G-15870** *MEYHOEFER* Chalazion Curette 2.0 mm
 31. **G-15875** *MEYHOEFER* Chalazion Curette 2.5 mm
 32. **G-19030** Tying Forceps, Tuebingen model, straight
 33. **G-17570** *CASTROVIEJO* Needle Holder curved, without lock
 34. **G-17500** *BARRAQUER* Needle Holder curved, without lock
 35. **G-18180** *HALSTEAD* Mosquito Forceps straight, serrated
- OPTION STERILIZING CASE**
36. **G-39500** STERISAFE A4, Sterilizing Case
 37. **G-39502** Silicone Nap plate for STERISAFE A4

INSTRUMENT SET

Instruments for Ophthalmologists'
Consulting Room Purposes

Geuder®

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INSTRUMENT SET

Stitch Removal

Geuder®

1. **G-17020** *BARRAQUER* Eye Speculum
2. **G-18975** *BARRAQUER* Suture Removing Forceps
3. **G-19765** *VANNAS* Capsulotomy Scissors
extremely delicate, curved, 8 cm

OPTION STERILIZING CASE

4. **G-39510** STERISAFE A6, plastic sterilizing case for steam sterilization
outside dimensions: 19 x 11 x 6 cm
5. **G-39512** Silicone nap plate for STERISAFE A6



1



2



3

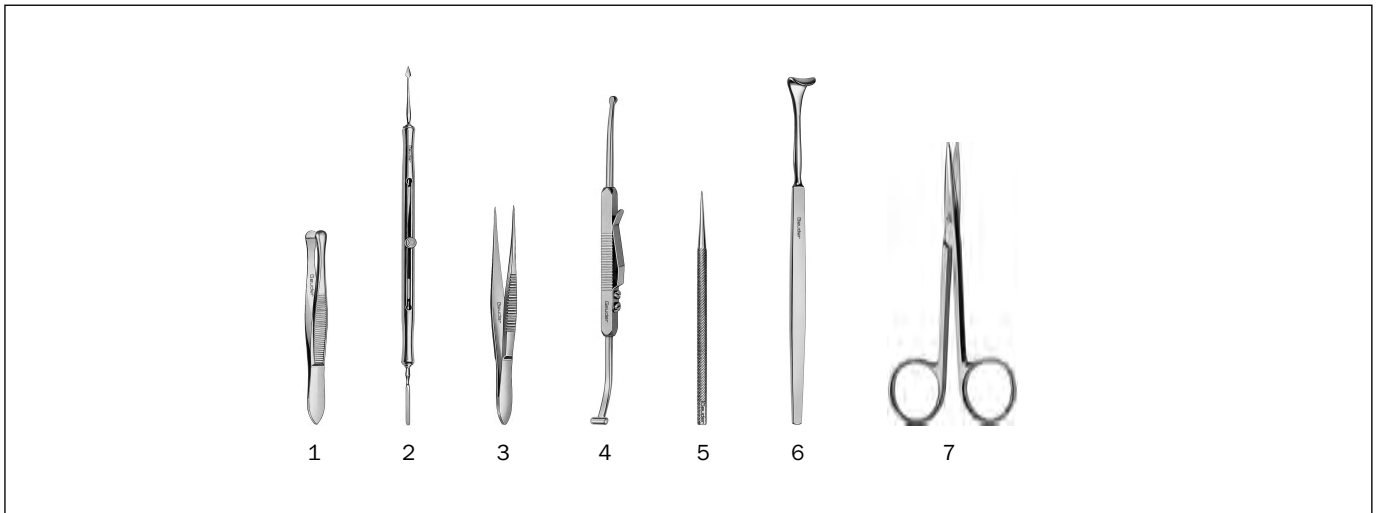
INSTRUMENT SET

Instruments for Optometrists

Geuder®

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1. **G-18740** BEER Cilia Forceps
2. **G-14530** Iris Retractor, Munich model double ended
3. **G-32740** Cilia- and Foreign Body Forceps, Hamburg model
4. **G-32715** Sclera Depressor, double ended
5. **G-150401** WILDER Lacrimal Probe slim, delicate
6. **G-32120** DESMARRES Lid Retractor, fig. 0
7. **G-19460** Strabismus Scissors, straight, short blade



INSTRUMENT SET

Keratoplasty

Geuder®

1. **G-17020** *BARRAQUER* Eye Speculum
2. **G-18180** *HALSTEAD* Mosquito Forceps
3. **G-18160** *BACKHAUS* Towel Forceps (2x)
4. **G-18791** Tissue Forceps, 1x2 teeth, 0.7 mm
5. **G-18820** *REMKY* Superior Rectus Forceps
6. **G-17610** *KALT* Needle Holder, straight
7. **G-17565** *CASTROVIEJO* Needle Holder
8. **G-17500** *BARRAQUER* Needle Holder
9. **G-15065** Flieringa Fixation Rings
- to **G-15090** 15 to 19 mm
10. **G-14020** *KUHNT* Corneal Scarifier
11. **G-32665** Silicone Bulb, 20 ml
12. **G-19400** *BONN* mod., Eye Scissors
13. **G-19750** *WESTCOTT* Scissors
14. **G-19720** Keratoplasty Scissors, right
15. **G-19725** Keratoplasty Scissors, left
16. **G-19727** *MACKENSEN* Keratoplasty Scissors
17. **G-19765** *VANNAS* Capsulotomy Scissors
18. **G-17275** Keratoplasty Trephine, 7.5 mm
19. **G-17280** Keratoplasty Trephine, 8.0 mm
20. **G-15758** Keratoplasty Spatula, perforated
21. **G-32672** Silicone Block (2x)
22. **G-14200** *PAUFIQUE* Keratoplasty Knife
23. **G-18972** *NEUHANN* Keratoplasty Forceps
24. **G-32229** *DUNCKER* Suture Marker, 8.0 mm
25. **G-18960** Micro Colibri Forceps
26. **G-19015** *CASTROVIEJO* Suturing Forceps
27. **G-19035** *TUEBINGEN* mod. Tying Forceps (2x)
28. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
29. **G-32318** *MALONEY* Keratometer

OPTION CORNEAL PUNCH

30. **G-31870** *NEUHANN* Corneal Punch
31. **G-33874** Keratoplasty Trephine, 7.4 mm
32. **G-33879** Keratoplasty Trephine, 7.9 mm

OPTION STERILIZING CASE

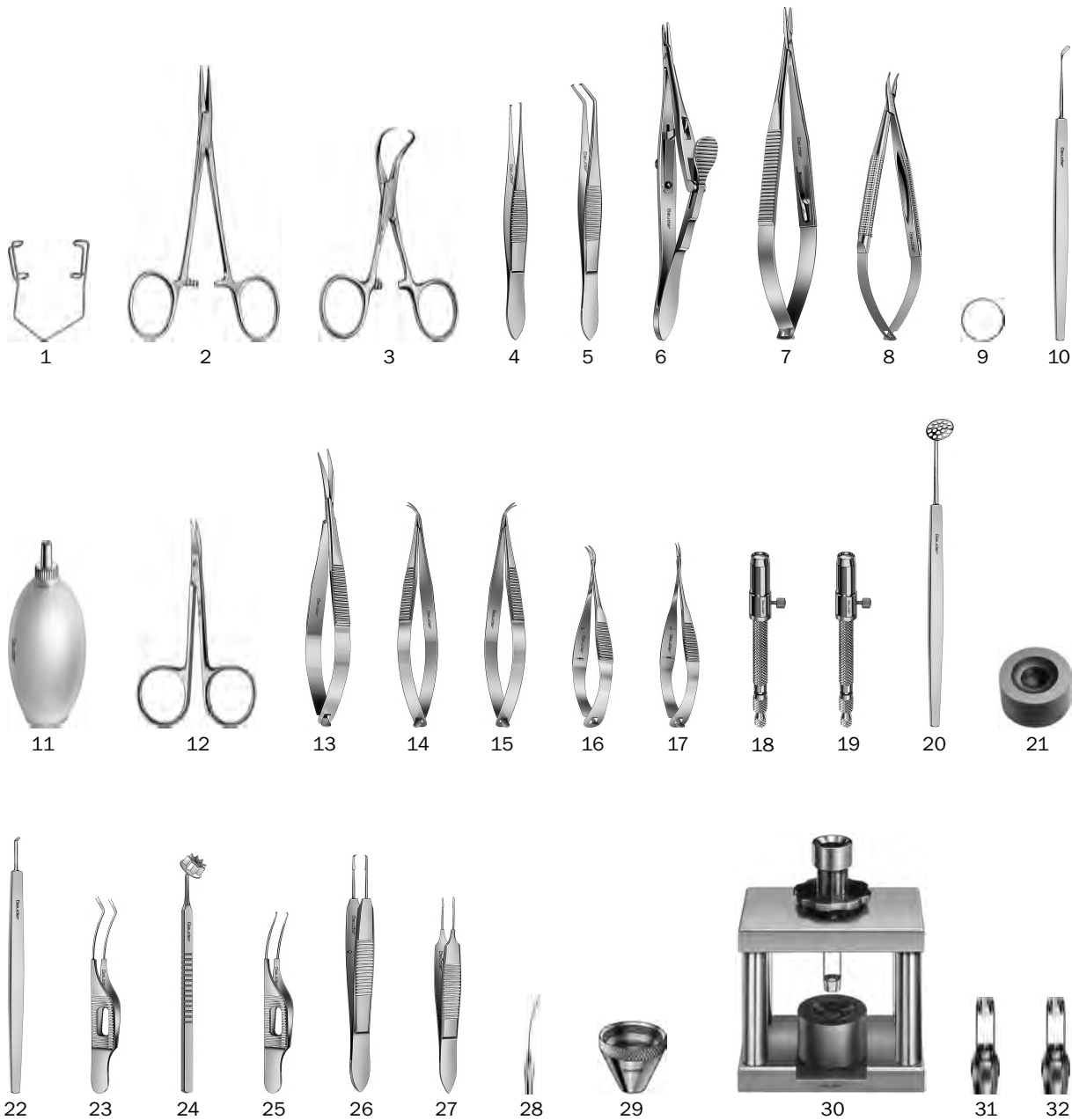
33. **G-19877** Sterilizing case for steam sterilization
400 x 290 x 55 mm

INSTRUMENT SET

Keratoplasty

Geuder®

34

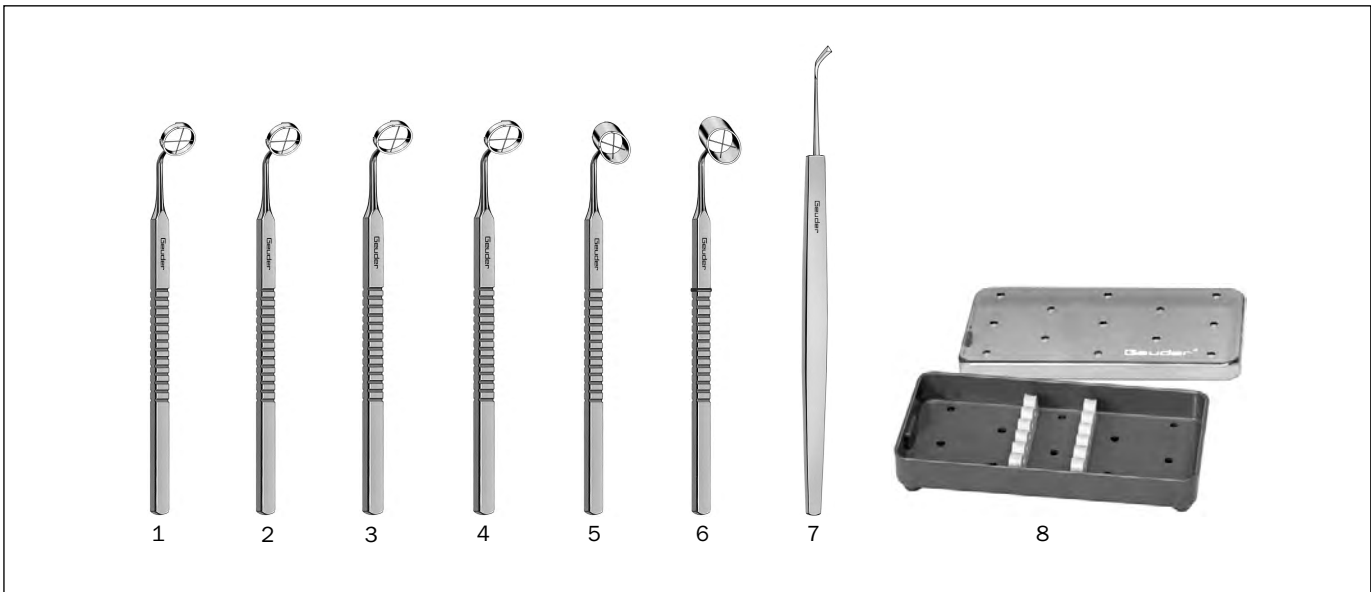


INSTRUMENT SET

Instruments for LASEK/A-LASEK

Geuder®

1. **G-33650** LASEK-Trephine with crosshairs and millimeter marking, 8.0 mm
2. **G-33652** LASEK-Trephine with crosshairs and millimeter marking, 9.0 mm
3. **G-33655** LASEK-Funnel with crosshairs and millimeter marking, 8.5 mm
4. **G-33657** LASEK-Funnel with crosshairs and millimeter marking, 9.5 mm
5. **G-33660** LOHMANN A-LASEK-Trephine 8.9 x 10.7 mm
with crosshairs and millimeter marking
6. **G-33665** LOHMANN A-LASEK Funnel 8.9 x 10.7 mm
with crosshairs and millimeter marking
7. **G-33670** LOHMANN LASEK EPI Peeler
8. **G-33080** Sterilizing Case for steam sterilizing plastic, 160 x 80 x 20 mm



For further instruments for Lasek,
please see section 17, p. 125, 126

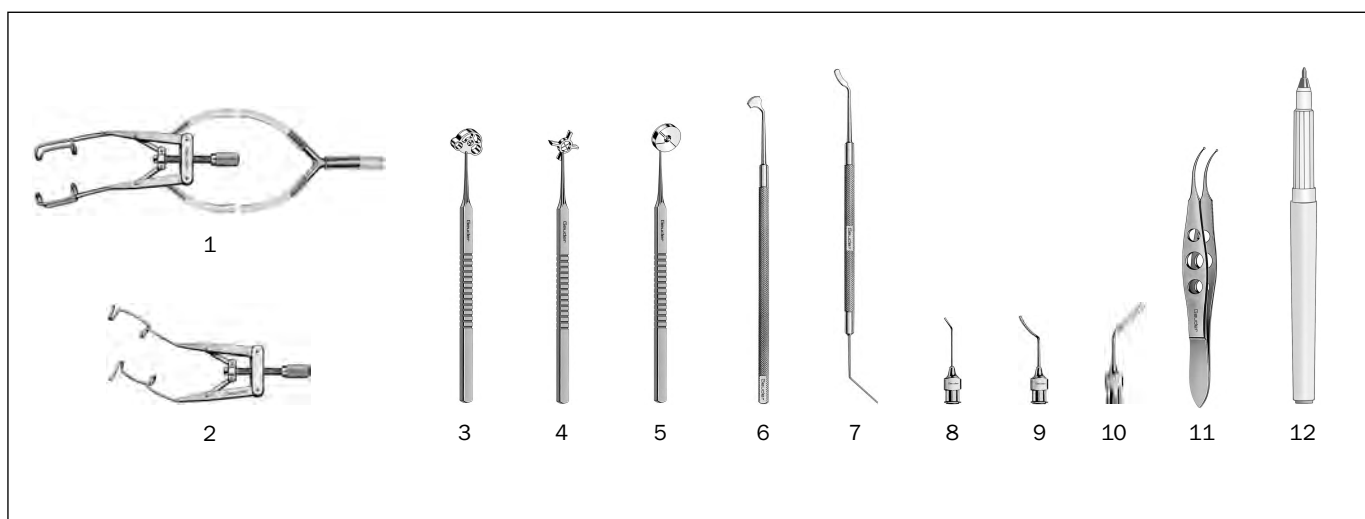
INSTRUMENT SET

LASIK

1. **G-33920** *KNORZ* LASIK Eye Speculum with aspiration
2. **G-15960** *LIEBERMANN-TENNANT* Eye Speculum
3. **G-33746** *CHAYET* LASIK Corneal Marker
4. **G-33745** *MENDEZ* LASIK Corneal Marker
5. **G-33747** *LU* LASIK Corneal Marker
6. **G-33913** *ZIRM* LASIK Corneal Surface Cleaner
7. **G-33918** LASIK Corneal Protector and Spatula, round
8. **G-33910** *ZIRM* LASIK Dissector Cannula
25 gauge / 0.5 mm
9. **G-33911** *ZIRM* LASIK Irrigating Cannula
20 gauge / 0.9 mm
10. **G-31899** LASIK Corneal Flap Forceps
11. **G-33798** Marking Pen for refractive surgery,
36 pcs. per box, sterile

OPTION STERILIZING CASE

12. **G-19876** Sterilizing case for steam sterilization
300 x 220 x 55 mm



INSTRUMENT SET

Lid-Conjunctiva/Trichiasis - Ptosis

Geuder®

1. **G-17040** *JAEGER* Lid Plate
2. **G-33200** *SCHAEDEL* Towel Forceps (2x)
3. **G-18170** Mosquito Forceps, straight(2x)
4. **G-18171** Mosquito Forceps, curved (2x)
5. **G-19480** *STEVENS* Tenotomy Scissors, straight
6. **G-19355** Eye Scissors, straight
7. **G-14010** *KUHNT*, Corneal Scarifier, fig
8. **G-19750** *WESTCOTT* Tenotomy Scissors
9. **G-19600** Scissors, light curve
10. **G-18715** *BERKE* Ptosis Forceps
11. **G-17575** *CASTROVIEJO* Needle Holder
12. **G-17610** *KALT* Needle Holder
13. **G-19130** *CASTROVIEJO* Marking Caliper
14. **G-16060** Lid Retractor, fig. 1
15. **G-16065** Lid Retractor, fig. 2
16. **G-16070** Lid Retractor, fig. 3
17. **G-15800** *GRAEFE* Strabismus Hook, small
18. **G-15805** *GRAEFE* Strabismus Hook, medium
19. **G-15355** *GUTHRIE* Retractor
20. **G-15900** Chalazion Curette, 1.0 mm
21. **G-15870** Chalazion Curette, 2.0 mm
22. **G-15875** Chalazion Curette, 2.5 mm
23. **G-15880** Chalazion Curette, 3.0 mm
24. **G-19050** *GRAEFE* Fixation Forceps
25. **G-18810** Conjunctiva Forceps, nontraumatic
26. **G-31953** Iris Forceps, 1x2 teeth, straight
27. **G-19005** *CASTROVIEJO* Suturing Forceps, 0.3 mm
28. **G-19010** *CASTROVIEJO* Suturing Forceps, 0.6 mm
29. **G-19040** Tying Forceps, curved
30. **G-18690** *DESMARRES* Chalazion Forceps
31. **G-18710** *LORDAN* Chalazion Forceps
32. **G-18680** *LAMBERT* Chalazion Forceps

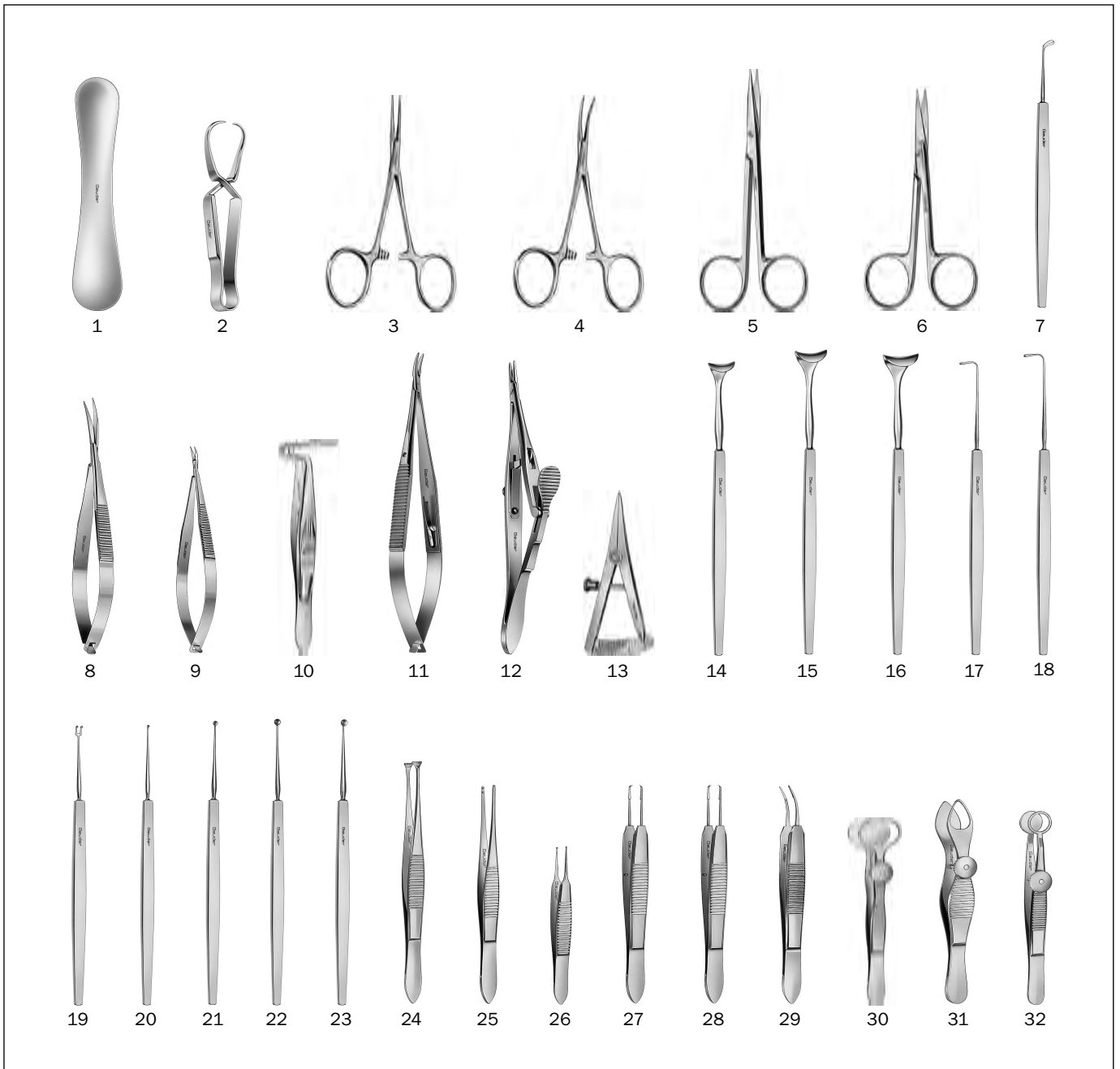
33. **G-19877** **OPTION STERILIZING CASE**
Sterilizing case for steam sterilization
400 x 290 x 55 mm

INSTRUMENT SET

Lid-Conjunctiva/Trichiasis - Ptosis

Geuder®

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INSTRUMENT SET

Emergency

Geuder®

1. **G-15995** COOK Eye Speculum, medium
2. **G-17020** BARRAQUER Eye Speculum
3. **G-33200** SCHAEDEL Towel Forceps (2x)
4. **G-18180** HALSTEAD Mosquito Forceps straight (2x)
5. **G-18181** HALSTEAD Mosquito Forceps curved (2x)
6. **G-18190** DIEFFENBACH Serrefine (2x)
7. **G-15185** FRANKFURT mod. Hydrodissection Cannula
8. **G-19270** BARRAQUER Razor Blade Holder
9. **G-19300** Razor Blades
10. **G-15410** Twist Fixation Hook, right
11. **G-19750** WESTCOTT Scissors
12. **G-19600** Scissors, light curve
13. **G-19400** BONN mod., Eye Scissors
14. **G-19355** Eye Scissors, straight
15. **G-19485** Tenotomy Scissors, curved
16. **G-19675** WECKER Iridectomy Forceps
17. **G-19230** SCHIOETZ Tonometer
18. **G-15821** Strabismus Hook, 1.0 mm hole (2x)
19. **G-32920** JAMESON Strabismus Hook
20. **G-15805** GRAEFE Strabismus Hook, medium
21. **G-15799** GRAEFE Strabismus Hook, short
22. **G-32120** Lid Retractor, fig. 0
23. **G-16060** Lid Retractor, fig. 1
24. **G-16065** Lid Retractor, fig. 2
25. **G-32715** Sclera Depressor, double ended
26. **G-18782** Dressing Forceps, serrated, 1.0 mm
27. **G-19005** CASTROVIEJO Suturing Forceps, 0.3 mm
28. **G-19010** CASTROVIEJO Suturing Forceps, 0.6 mm
29. **G-18890** BONN mod., Iris Forceps
30. **G-19032** Tying Forceps, curved
31. **G-19030** Tying Forceps, straight
32. **G-31953** Iris Forceps, 1x2 teeth, straight
33. **G-31230** Conjunctiva Forceps, 1x2 teeth
34. **G-19048** Tying Forceps
35. **G-18950** Colibri Forceps
36. **G-17450** JACOBI Needle Holder, curved without lock
37. **G-17452** JACOBI Needle Holder, curved with lock
38. **G-17516** BARRAQUER Needle Holder
39. **G-17565** CASTROVIEJO Needle Holder
40. **G-18650** Rule
41. **G-19130** CASTROVIEJO Marking Caliper

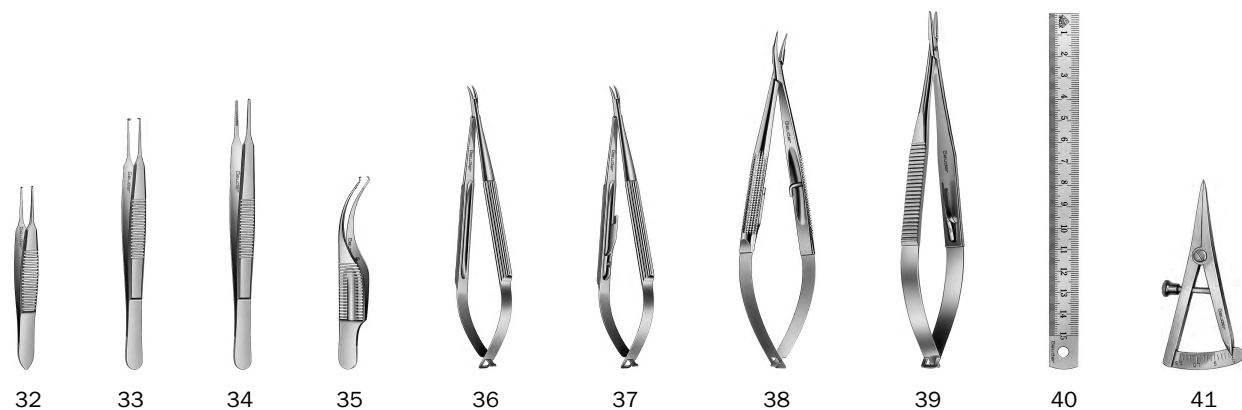
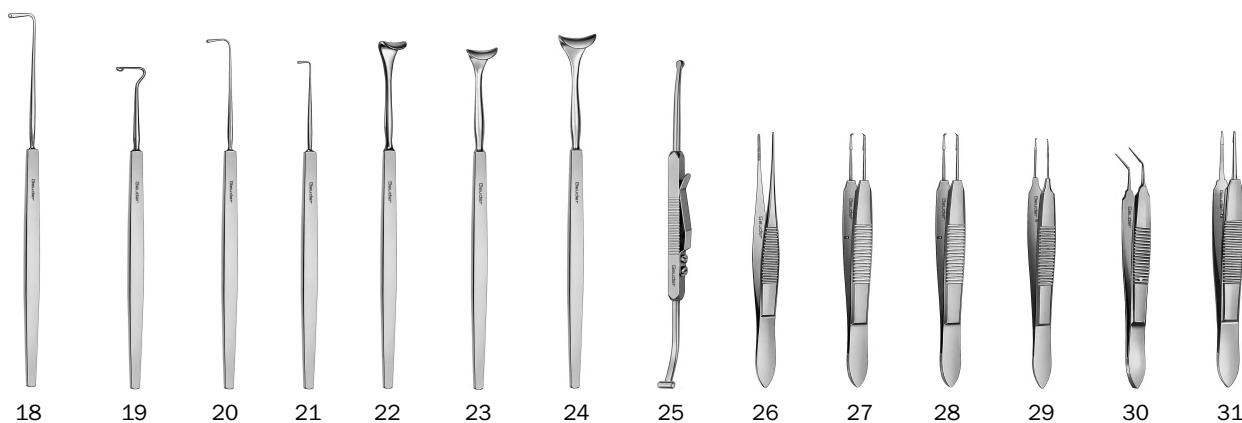
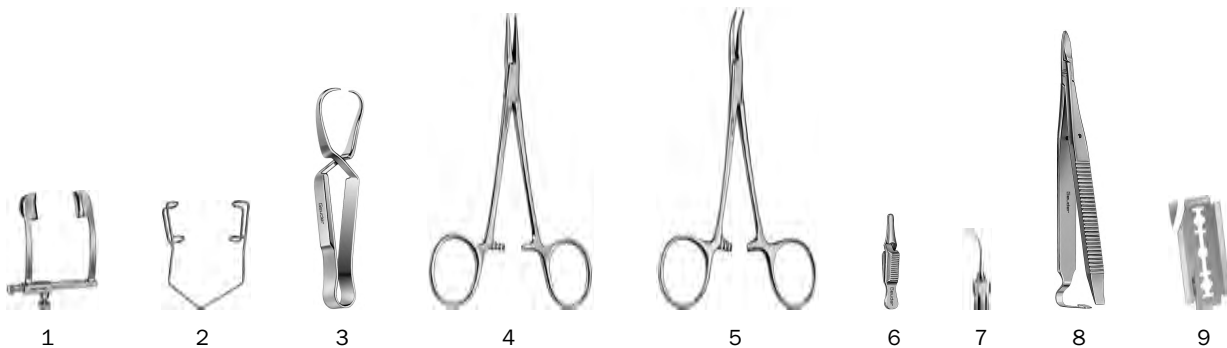
- OPTION STERILIZING CASE**
42. **G-19843** Sterilizing case for steam sterilization
300 x 220 x 75 mm

INSTRUMENT SET

Emergency

Geuder®

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INSTRUMENT SET

Phacoemulsification

Geuder®

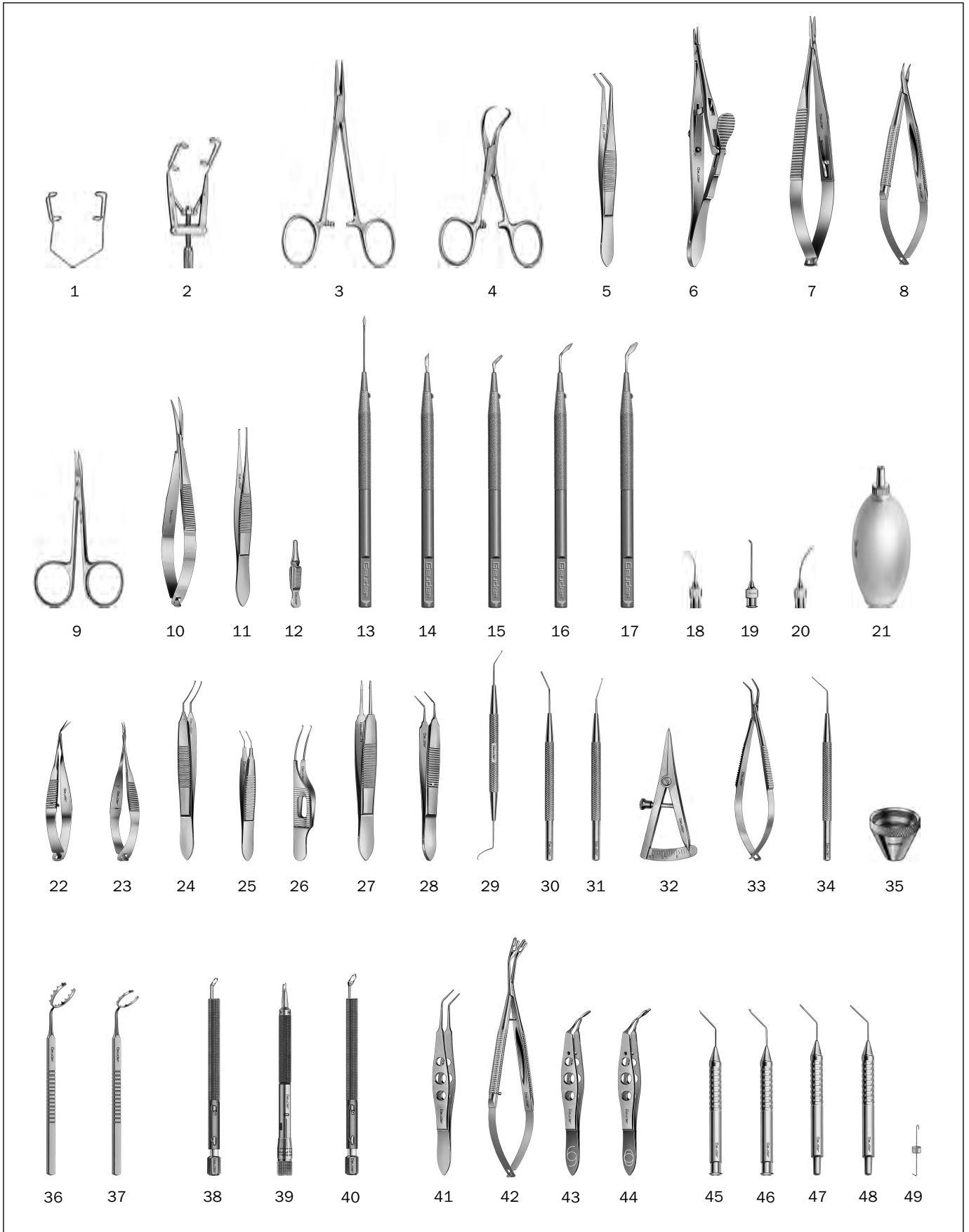
1. **G-17020** *BARRAQUER* Eye Speculum
 2. **G-15965** *KERSHNER* Eye Speculum
 3. **G-18180** *HALSTEAD* Mosquito Forceps
 4. **G-18160** *BACKHAUS* Towel Forceps (2x)
 5. **G-18820** *REMKY* Superior Rectus Forceps
 6. **G-17610** *KALT* Needle Holder, straight
 7. **G-17565** *CASTROVIEJO* Needle Holder
 8. **G-17500** *BARRAQUER* Needle Holder
 9. **G-19400** *BONN* mod., Eye Scissors
 10. **G-19750** *WESTCOTT* Scissors
 11. **G-18791** Tissue Forceps, 1x2 teeth, 0.7 mm
 12. **G-18190** *DIEFFENBACH* Serrefine, straight (2x)
 13. **G-34181** Stiletto (MVR) Knife, double bevel
 14. **G-34026** Stab Incision Knife, 15°, double bevelled
 15. **G-34081** Crescent Knife, angled, bevel up
 16. **G-34106** Phaco Slit Knife, angled, bevel up
 17. **G-34131** IOL Knife, angled, bevel up
 18. **G-15185** *FRANKFURT* model
Hydrodissection Cannula
 - 19.. **G-16125** *KRATZ* Capsule Polishing Cannula
 20. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
 21. **G-32665** Silicone Bulb, 20 ml
 22. **G-19776** Capsulotomy Scissors
 23. **G-19765** *VANNAS* Capsulotomy Scissors
 24. **G-31305** Capsulorhexis Forceps
 25. **G-33440** Anterior Chamber Forceps
 26. **G-18960** Micro Colibri Forceps
 27. **G-19030** Tying Forceps, straight
 28. **G-19032** Tying Forceps, angled
 29. **G-32161** *NEUHANN* Nucleus Rotator
and Nucleus Dividing Hook
 30. **G-16190** Spatula, angled
 31. **G-16175** *DARDENNE* Iris Hook
 32. **G-19130** *CASTROVIEJO* Marking Caliper
 33. **G-18935** *DODEN* Implantation Forceps
 34. **G-16167** *SINSKEY* Manipulator
 35. **G-32318** *MALONEY* Keratometer
- OPTION FIXATION RINGS**
36. **G-31490** Fixation Ring, I.D. 16.0 mm
 37. **G-31491** Fixation Ring, I.D. 13.0 mm
- OPTION DIAMOND KNIVES
TUNNEL TECHNIQUE
CLEAR-CORNEA-INCISION**
38. **G-31466** Diamond Spatula Knife, 40° angled
 39. **G-31470** Three-Cut Diamond Step Knife
 40. **G-31451** CCI Diamond Knife, 35° angled
- OPTION FOLDING INSTRUMENTS**
41. **G-31901** Holding Forceps
 42. **G-31994** *H.-R. KOCH* Prefolder
 43. **G-31905** *H.-R. KOCH* 3-Piece IOL Folder
 44. **G-31906** *H.-R. KOCH* Plate Haptic IOL Folder
**(Further options see catalog
page 112 - 114)**
- OPTION BRAUWEILER
BIMANUAL I/A SYSTEM**
45. **G-32016** Irrigating Handpiece
 46. **G-32017** Irrigating Handpiece, bulbous tip
 47. **G-32018** Aspirating Handpiece, declined
 48. **G-32019** Aspirating Handpiece, angled
- OPTION IRIS RETRACTORS**
49. **G-15523** *FULLER* Iris Retractor
- OPTION STERILIZING CASE**
50. **G-19843** Sterilizing case for steam sterilization
300 x 220 x 75 mm

INSTRUMENT SET

Phacoemulsification

Geuder®

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INSTRUMENT SET

Muscle

Geuder®

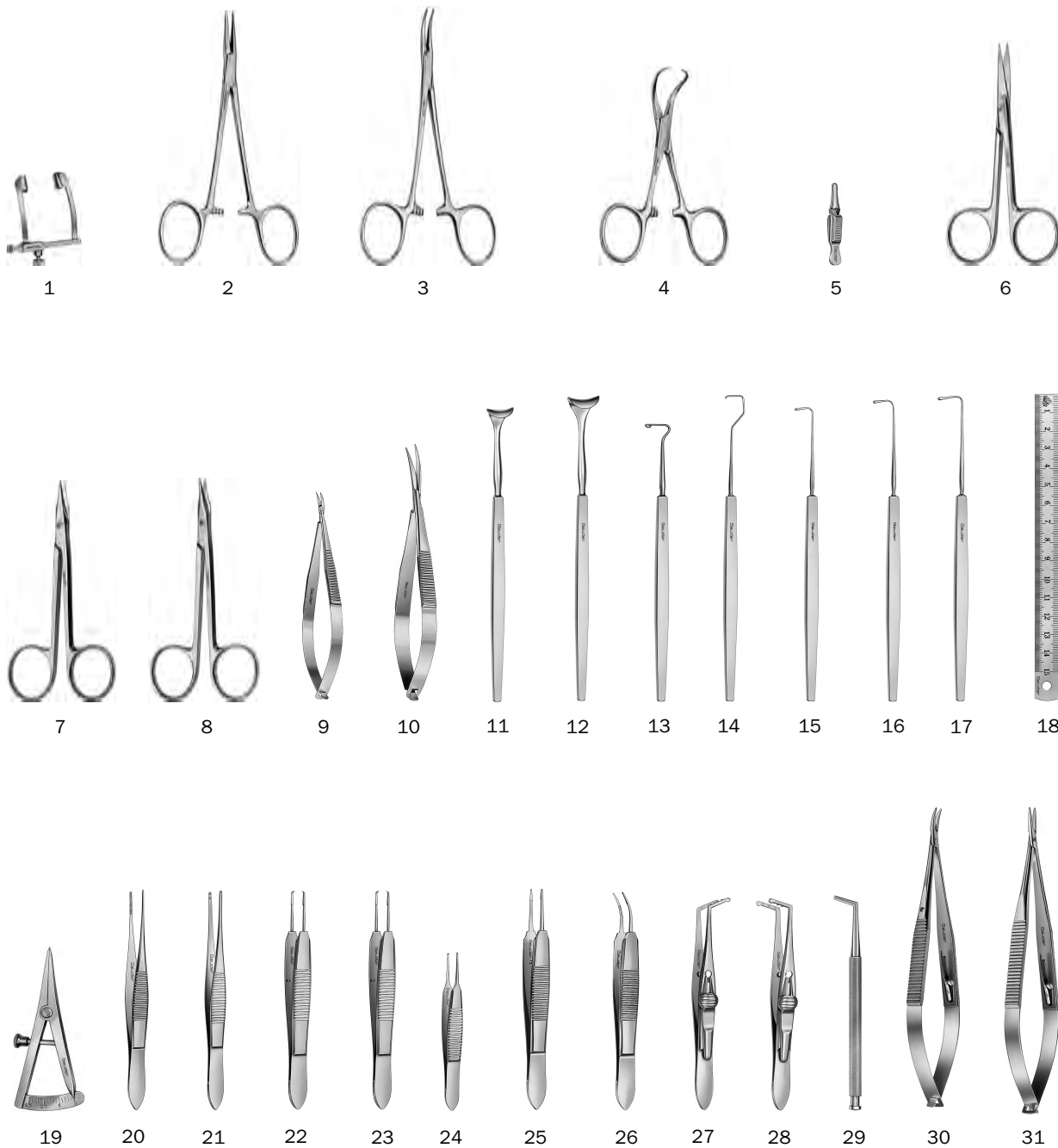
1. **G-16000** COOK Eye Speculum
 2. **G-18180** HALSTEAD Mosquito Forceps, straight
 3. **G-18181** HALSTEAD Mosquito Forceps, curved
 4. **G-18160** BACKHAUS Towel Forceps
 5. **G-18190** DIEFFENBACH Serrefine
 6. **G-19355** Eye Scissors, straight
 7. **G-19470** STEVENS Tenotomy Scissors, straight
 8. **G-19475** STEVENS Tenotomy Scissors, curved
 9. **G-19600** Scissors, light curve
 10. **G-19750** WESTCOTT Tenotomy Scissors
 11. **G-16060** Lid Retractor, fig. 1
 12. **G-16065** Lid Retractor, fig. 2
 13. **G-32920** JAMESON Strabismus Hook
 14. **G-15830** MALBRAN Strabismus Hook
 15. **G-15800** GRAEFE Strabismus Hook, small
 16. **G-15805** GRAEFE Strabismus Hook, medium
 17. **G-15810** GRAEFE Strabismus Hook, large
 18. **G-18650** Rule
 19. **G-19130** CASTROVIEJO Marking Caliper
 20. **G-18782** Dressing Forceps, serrated, 1.0 mm
 21. **G-18810** Conjunctiva Forceps, nontraumatic
 22. **G-19010** CASTROVIEJO Suturing Forceps, 0.6 mm
 23. **G-19005** CASTROVIEJO Suturing Forceps, 0.3 mm
 24. **G-31953** Iris Forceps, 1x2 teeth, straight
 25. **G-19030** Tying Forceps, straight
 26. **G-19040** Tying Forceps, curved
 27. **G-19120** Muscle Forceps, right
 28. **G-19125** Muscle Forceps, left
 29. **G-19110** BANGERTER Muscle Forceps
 30. **G-17575** CASTROVIEJO Needle Holder, curved
 31. **G-17565** CASTROVIEJO Needle Holder, straight
- OPTION STERILIZING CASE**
32. **G-19877** STERILIZING CASE for steam sterilization
400 x 290 x 55 mm

INSTRUMENT SET

Muscle

Geuder®

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INSTRUMENT SET

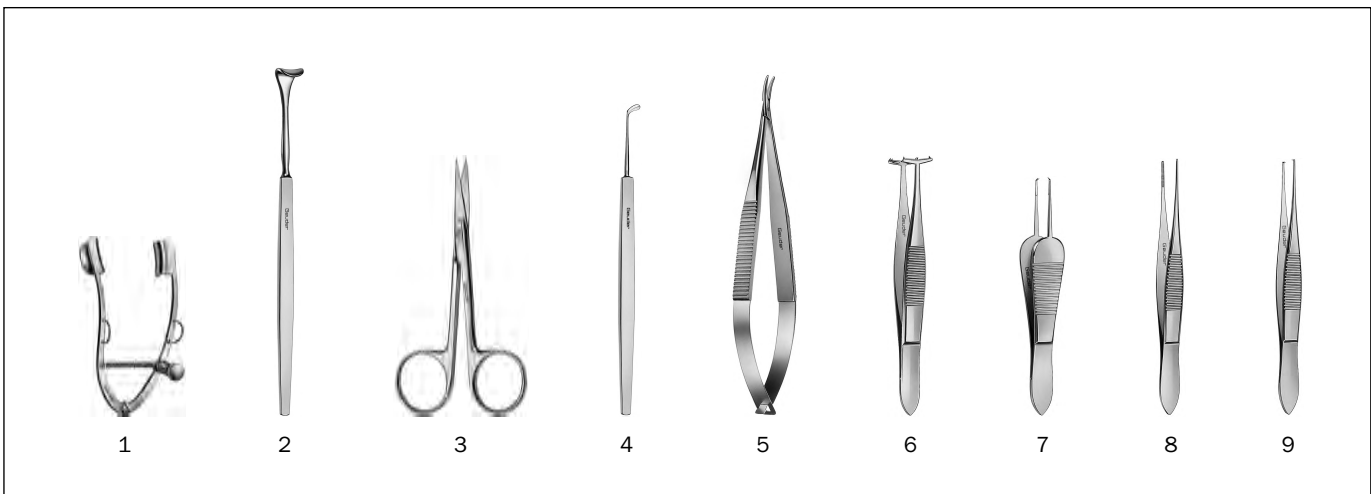
Pterygium

Geuder®

1. **G-15970** WEISS Eye Speculum
2. **G-32120** DESMARRES Lid Retractor, fig. 0
3. **G-19355** Eye Scissors, pointed-pointed, 10 cm
4. **G-14010** KUHNT Corneal Scarifier, fig
5. **G-17570** CASTROVIEJO Needle Holder, curved without lock, total length 140 mm
6. **G-19080** BARRAQUER Fixation Forceps
7. **G-18940** PAUFIQUE Universal Suturing Forceps
8. **G-18782** Dressing Forceps, serrated, 1.0 mm
9. **G-18792** Tissue Forceps, 1 x 2 teeth, 1.0 mm

OPTION STERILIZING CASE

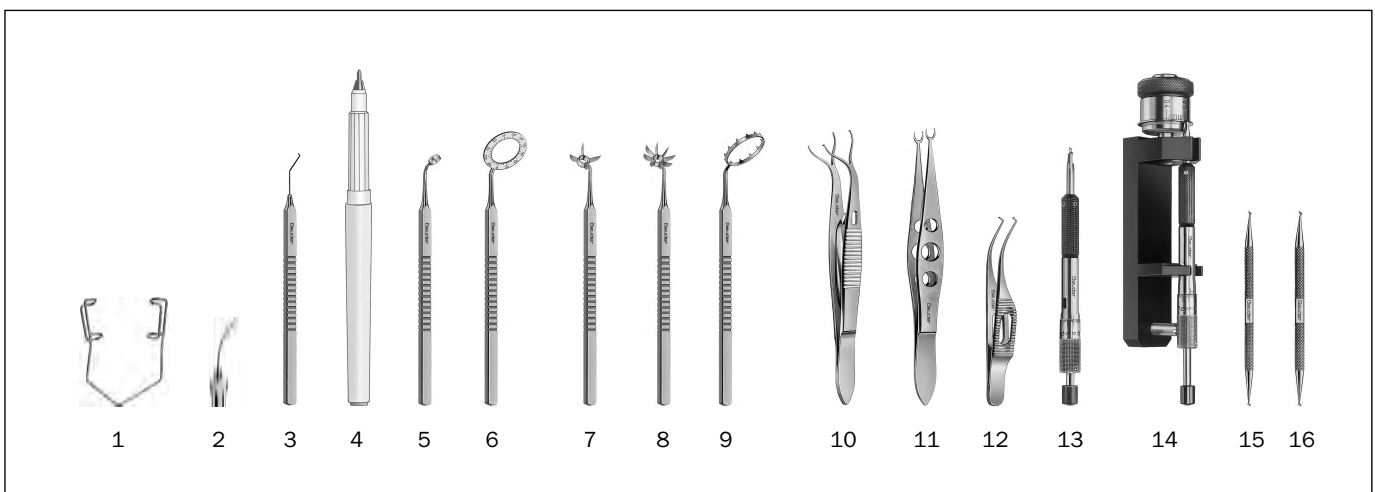
10. **G-19876** Sterilizing case for steam sterilization 300 x 220 x 55 mm



INSTRUMENT SET

Radial Keratotomy (R.K.)

1. **G-17020** *BARRAQUER* Eye Speculum
 2. **G-15250** *SAUTTER* Hydrodissection Cannula (2x)
 3. **G-33785** *GRENE* Axis Marker
 4. **G-33798** Marking Pen, sterile
 5. **G-33730** *HOFFER* Corneal Marker
for optic zone
I.D. 3.00 mm
 6. **G-33731** I.D. 3.25 mm
 7. **G-33732** I.D. 3.50 mm
 8. **G-33733** I.D. 3.75 mm
 9. **G-33734** I.D. 4.00 mm
 10. **G-33735** I.D. 4.50 mm
 11. **G-33736** I.D. 5.00 mm
 12. **G-33737** I.D. 5.50 mm
 13. **G-33738** I.D. 6.00 mm
 14. **G-33739** I.D. 6.50 mm
 15. **G-33740** I.D. 7.00 mm
 16. **G-33741** I.D. 7.50 mm
 6. **G-33760** *MENDEZ* Measuring Ring
 7. **G-33725** *NEUHANN* Corneal Marker
4 blades
 8. **G-33727** *NEUHANN* Corneal Marker
8 blades
 9. **G-33755** *THORNTON* Fixation Ring, 16.0 mm
 10. **G-33705** *KREMER* Fixation Forceps, curved
 11. **G-33706** Fixation Forceps, straight
 12. **G-33750** *GILLS* Spreading Forceps
 13. **G-19345** Diamond Knife, 1 cutting edge 45°
 14. **G-19349** Measuring Gauge
 15. **G-33770** *SHEPARD* Incision Depth Gauge
0.45 and 0.50 mm depth reading
 16. **G-33775** *SHEPARD* Incision Depth Gauge
0.55 and 0.60 mm depth reading
- OPTION STERILIZING CASE**
17. **G-19876** Sterilizing case for steam sterilization
300 x 220 x 55 mm



INSTRUMENT SET

Vitrectomy (Pars Plana)

Geuder®

1. **G-17005** PAULMANN Eye Speculum
2. **G-33200** SCHAEDEL Towel Forceps (2x)
3. **G-18190** DIEFFENBACH Serrefine (2x)
4. **G-18160** BACKHAUS Towel Forceps (2x)
5. **G-18180** HALSTEAD Mosquito Forceps, straight (2x)
6. **G-18170** HARTMANN Mosquito Forceps, straight (2x)
7. **G-19355** Eye Scissors, straight
8. **G-19375** Eye Scissors, curved
9. **G-19480** STEVENS Tenotomy Scissors, straight
10. **G-19750** WESTCOTT Tenotomy Scissors
11. **G-19760** VANNAS Capsulotomy Scissors
12. **G-32446** Orbital Spatula
13. **G-15720** BANGERTER Spatula, 6.0 mm
14. **G-33025** Stiletto, 20 gauge / 0.9 mm
15. **G-32920** JAMESON Strabismus Hook (2x)
16. **G-15821** BONN mod., Strabismus Hook (2x)
17. **G-19130** CASTROVIEJO Marking Caliper
18. **G-18782** Dressing Forceps, serrated, 1.0 mm
19. **G-18810** Conjunctiva Forceps, nontraumatic
20. **G-19010** CASTROVIEJO Suturing Forceps, 0.6 mm (2x)
21. **G-18940** PAUFIQUE Univ. Suturing Forceps
22. **G-19030** Tying Forceps, straight (2x)
23. **G-18960** Micro Colibri Forceps
24. **G-17565** CASTROVIEJO Needle Holder, straight
25. **G-17570** CASTROVIEJO Needle Holder, curved
26. **G-19805** Vitreous Body Scissors, angled
27. **G-19801** Vitreous Body Scissors, angled 45°
28. **G-19796** Vitreous Body Scissors, round curve
29. **G-19814** Vitrectomy Forceps, straight
silicone coated tips
30. **G-19816** Vitrectomy Forceps, straight
grip tips
31. **G-33820** Vitrectomy Forceps, straight
serrated tips
32. **G-33830** Vitrectomy Foreign Body Forceps
33. **G-33840** Vitrectomy Membrane Dissector
34. **G-33831** REIMANN Vitrectomy Forceps
35. **G-33425** Infusion Tubing, declined
square tip
36. **G-32181** Injection Tubing for viscous fluid
37. **G-31890** Syringe Holding Device
38. **G-31891** Disposable Syringe, 10 ml, sterile (5x)
39. **G-32697** Pressure Tube
40. **G-32698** Injection Cannula for viscous fluid
41. **G-33065** Stopper for viscous fluid aspiration
42. **G-33435** Sclera Pin
43. **G-23990** Two-Way-Tap
44. **G-33437T** HEIMANN Retina Pin, TITANIUM
45. **G-33438** Position Forceps
46. **G-33050** Aspirating Cannula
47. **G-31805** Aspirating Handpiece
48. **G-36065** Lens Handle Ring
49. **G-36000** KILP Lens, 60 D flat

50. **G-31477** **OPTION DIAMOND KNIFE**
Retina Diamond Knife

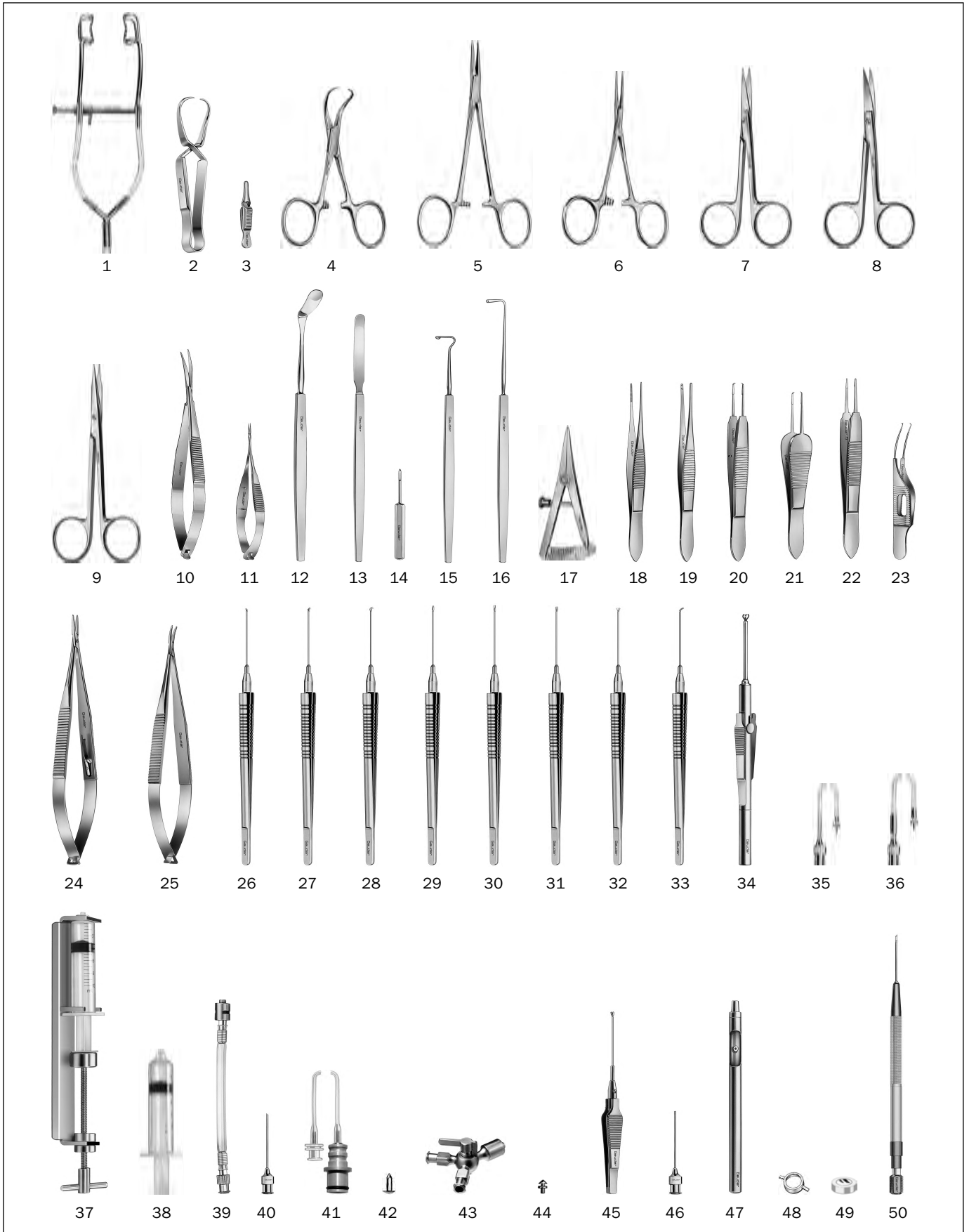
51. **G-19894** **OPTION STERILIZING CASE**
Sterilizing case for steam sterilization
400 x 290 x 70 mm

INSTRUMENT SET

Vitreotomy (Pars Plana)

Geuder®

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Reprocessing Instruction for GEUDER AG Products

Responsible in accordance with § 5 of the German Medical Device Act (MPG):

GEUDER AG

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Rev.: 10.04.2003/v.7

1. General Information

The present Reprocessing Instruction applies for all GEUDER AG products. Insofar as special statements are made regarding individual products (e.g., instructions for dismantling or using cleaning adapters), these are enclosed with the respective product and are to be considered to be a supplement to this Instruction.

The responsibility for a general deviation from this Instruction (e.g., other sterilization processes or deviations in the manual or mechanical cleaning and disinfection methods) rests with the user. Geuder will accept no liability for product damage resulting from a deviation from the present Instruction. For the rest, our General Terms and Conditions shall apply.

GEUDER AG reserves the right to amend this Instruction due to more recent findings.

The current instructions can be obtained from GEUDER AG, Heidelberg.

2. Bases

The instruments are supplied in a non-sterile state and are not to be used without previously being cleaned/disinfected and sterilized.

Effective cleaning/disinfection is the indispensable prerequisite for effective sterilization of the instruments. Sterilization in the delivery packaging is not permissible.

Please ensure that only adequately validated device and product-specific processes are used for cleaning/disinfection and sterilization and that the validated parameters are adhered to in each cycle.

In addition, please observe the statutory regulations in your country as well as the rules of hygiene of the hospital or clinic.

3. Cleaning/Disinfection

Due to its distinctly higher effectiveness, a mechanical process (disinfectant) should, as a matter of principle, always be used for cleaning/disinfection.

For effective reprocessing, pretreatment should begin as soon as possible, at the latest, 30 minutes after the operation has been performed. Cleaning/disinfection should then follow within the next two (2) hours.

3.1 Pretreatment

Irrespective of the type of cleaning/disinfection process (manual or mechanical) subsequently used, the following pretreatment steps must be performed:

Pretreatment Sequence:

1. Disconnect - if possible - all detachable connections.
2. Remove all macroscopic contaminants with a damp cloth. In this context, the requirements with regard to personnel protection are to be taken into account due to the potential exposure to danger as a result of possible pathogens.
3. The connections for any existing aspiration and/or irrigation lines are flushed at least 5 times, in each case, with 10 ml deionized or distilled water; in so doing, no flushing liquid is to be drawn back through the aspiration or irrigation line.
4. If necessary, an aldehyde-free disinfectant (otherwise, blood residues will dry and cannot be removed) can be used instead of the deionized or distilled water; in this case, each of the lines must, in addition, be refushed at least 5 times with 10 ml deionized or distilled water.

3.2 Ultrasonic Cleaning

Cleaning in an ultrasonic bath is optional. If ultrasonic cleaning is effected, care must be taken that the exposure time and concentrations stated by the manufacturer of the cleaning solution are observed. At the same time, the liquid level prescribed by the manufacturer of the ultrasonic bath is to be adhered to (e.g., fill up to the mark).

By taking a few basic precautions, errors can also be prevented when a bath is correctly pre-pared:

- Instruments must be completely covered by the cleaning solution
- Joint instruments, e.g., scissors, must be treated in an open state
- Instruments are to be placed in the bath on perforated instrument trays only in order not to impair the effect of the ultrasound

A too high degree of contamination in the ultrasonic bath impairs the cleaning effect and increases the risk of corrosion. Therefore, depending on the operating conditions, the cleaning solution must be replaced at regularly. The criterion is visible contamination. In any case, frequent replacement of the bath at least, however, once per day is advantageous.

3.3 Mechanical Cleaning/Disinfection (Disinfectant)

When selecting the disinfectant, the following must be taken into account:

Only disinfectants are to be used the effectiveness of which has been verified (e.g., DGHM or FDA2 approval or CE marking),

the disinfectant must be equipped with flushing adaptors to allow the connection of longer product lumina (e.g., hose systems),

if possible, a tested disinfection program (at least 10 minutes at 93 °C (199,4 °F)) is to be used for thermal disinfection since, with chemical disinfection, there is the risk that disinfectant residues will remain on the instruments,

the program used must be appropriate for the instruments and include an adequate number of flushing cycles,

sterile or low-bacteria (max. 10 bacteria/ml) distilled or deionized water only is to be used,

the air used for drying must meet the requirements with respect to compressed air in the hospital and

the disinfectant must be regularly serviced and checked.

When choosing the detergent system used, attention must be paid to the following:

the system must, as a matter of principle, be suitable for cleaning the instruments,

if no thermal disinfection is used (at least 10 minutes at 93 °C (199,4 °F)), a suitable disinfectant whose effectiveness has been verified (e.g., DGHM or FDA approval or CE marking) and which is compatible with the detergent chosen should be used,

if an alkaline detergent is used, adequate neutralization in accordance with the manufacturer's instructions is to be performed,

the chemicals used must be compatible with the instruments (see Chapter 7),

the detergent and disinfectant concentrations stated by the manufacturer must be adhered to without fail.

Mechanical Cleaning Sequence:

1. Place the instruments in the disinfectant basket or a perforated sterilization tray. (When fixing the instruments in place, ensure that this does not impair the effectiveness of the cleaning/disinfection process; the instruments must not touch each other).
2. Place the disinfectant basket or perforated sterilization tray containing the instruments in the disinfectant (Attention: When stacking several disinfectant baskets or perforated sterilization trays one on top of the other, the manufacturer's instructions are to be followed).
3. Connect any product lumina (e.g., hose systems) to the flushing adaptors of the disinfectant.
4. Start the program.
5. Remove the disinfectant basket or perforated sterilization tray from the disinfectant when the program has come to an end.
6. If possible, package the instruments or the perforated sterilization tray containing the instruments immediately after removal from the disinfectant (see Chapter 6, if necessary, after additional final drying in a clean place).

When choosing the detergent and disinfectant used, the following are to be taken into account:

The agents must, under all circumstances, be suitable for cleaning/disinfecting the instruments and must be compatible with each other (due to the possibly heavy contamination, the use of combined detergents/disinfectants is not recommended),

the effectiveness of the disinfectant must have been verified (e.g., DGHM or FDA approval or CE marking) and

the chemicals used must be compatible with the instruments (see Chapter 7),

The concentrations and exposure times stated by the manufacturer of the detergent/disinfectant must be adhered to without fail. Only freshly produced solutions are to be used. The disinfectant solution must not foam.

Use only sterile or low-bacteria (max. 10 bacteria/ml) distilled or deionized water for all flushing steps; also ensure that the endotoxin and particle load is adequately low (e.g., aqua purificata as stipulated in the Pharm. Eur3. or USP4).

Manual Cleaning Sequence:

1. Place the instruments in the cleaning solution for at least the period of time stated by the detergent/disinfectant manufacturer.
2. If applicable, flush out all product lumina (e.g., hose systems) at least 5 times in each case with at least 10 ml cleaning solution at the beginning and end of the exposure time.

3. Contaminants adhering to the outside are removed by additionally brushing with a soft brush or wiping with a soft cloth.
4. Thoroughly rinse the instruments at least 5 times in freshly distilled or deionized water in each case (product lumina with at least 10 ml in each case); repeat the cleaning process if the last rinsing solution is not clear or if impurities are still visible on the product.

Disinfection Sequence:

1. Place the instruments in the disinfectant for at least the exposure time stated by the disinfectant manufacturer.
 2. If applicable, flush out all product lumina (e.g., hose systems) at least 5 times in each case with at least 10 ml disinfectant at the beginning and end of the exposure time.
 3. Thoroughly rinse the instruments at least 5 times in freshly distilled or deionized water in each case (product lumina with at least 10 ml in each case); repeat the cleaning/disinfecting process completely if the last rinsing solution is not clear or if impurities are still visible on the product.
 4. Dry the instruments with filtered compressed air.
 5. If possible, package the instruments immediately (see Chapter 6, if necessary, after additional final drying in a clean place).
4. Testing

After each cleaning/disinfection process, the instruments must be macroscopically clean, i.e., free from visible albumen residues and other impurities; otherwise the complete cleaning/disinfection process is to be repeated. Surgical instruments with movable parts must be cooled prior to the functional test to avoid metal abrasion, which leads to corrosion. Hinged-joint instruments and instruments with threads must be oiled prior to the functional test.

Worn, damaged and porous instruments must be sorted out, as these no longer fulfil their function. Corroded instruments are also to be removed, since they can trigger corrosion on instruments which are intact as a result of the transfer of extraneous rust.

Surgical instruments which are in a perfect state are not to be reprocessed together with instruments with a damaged surface. Especially instruments from old stocks with a flaking chromium or nickel coating can cause a discoloration or corrosion of high-grade steel instruments. Therefore, it is recommendable to sort out instruments of this type or package them separately.

5. Care

Joint instruments or instruments with a lock (scissors, clamps, etc.) must be treated with a paraffin oil-based care product. These care products prevent metal-on-metal friction and keep the instrument functioning smoothly. As a result, friction corrosion is prevented. The care product should be applied manually. It is essential that a care product always be applied to inaccessible threads, hinged joints, etc., each time instruments are reprocessed. It must be ensured that only care products suitable for sterilization are used.

6. Packaging und Sterilization

6.1 Packaging

Prior to sterilization, the perforated sterilization tray containing the instruments is to be placed in an appropriate sterilization container. This (including the filter material) must fulfil the following criteria:

- Be in accordance with the standards DIN EN 868/ANSI AAMI ISO 11607

Be suitable for steam sterilization (thermostable up to 137 °C (278,6 °F), adequate steam permeability)

Be regularly serviced

If, alternatively, disposable sterilization packages are used, these must also be suitable for steam sterilization (thermostable up to 137 °C (278,6 °F), adequate steam permeability) in accordance with DIN EN 868/ANSI AAMI ISO 11607.6.2 Steam Sterilization

The times and temperatures stated are minimum requirements which must not be fallen short of. If, for process engineering reasons, the values have to be lowered, this must be validated by the user.

It is, in principle, possible to exceed the time and temperatures stated. However, longer sterilization times and higher temperatures increase stress on the material, which can cause the products to age prematurely.

Only cleaned and disinfected instruments are to be sterilized.

Only the sterilization processes listed below are to be used for sterilization; other sterilization processes are not permissible:

Fractionated vacuum process (with adequate drying of the product)

The use of the less effective gravitation process must be approved by means of an additional validation (longer sterilization times may be necessary). The gravitation process is unsuitable for hollow instruments.

Steam sterilizer in accordance with E DIN EN 13060 and DIN EN 285 and validated in accordance with DIN EN 554/ANSI AAMI ISO 11134 (valid commissioning and product-specific performance qualification)

Maximum sterilization temperature 137 °C (278,6 °F) (plus tolerance in accordance with DIN EN 554/ANSI AAMI ISO 11134)

Sterilization times:

§ at least 20 minutes at 121 °C (249,8 °F), alternatively

§ at least 5 minutes at 132/134 °C (269,6/273,2 °F)

The manufacturer will accept no responsibility should other sterilization processes (e.g., hot-air, ethylene oxide, formaldehyde, radiation or low-temperature plasma sterilization) be used. In this case, please take into consideration the applicable standards in each case (DIN EN ISO 14937/ANSI AAMI ISO 14937 and/or process-specific standards) and furnish proof of the suitability and fundamental effectiveness of the process (including residue analyses of the sterilizing agent if applicable) within the framework of validation, taking into account the specific product geometry.

7. Special Remarks by the Manufacturer

Surgical instruments of high-grade steel are, in principle, suitable for a large number of reprocessing cycles. It must, however, be taken into account that each chemical and thermal treatment subjects the material to stress and, thus causes it to age.

- if the number of reprocessing cycles is limited, e.g., due to the material, attention is drawn to this on an instruction sheet enclosed with the product,
- high-grade steels must not be permanently exposed to a corrosive atmosphere (e.g., chlori-de or iodine ions). This also applies to vapors of the substances stated,
- long waiting times until reprocessing are to be avoided,
- when reprocessing manually, care is to be taken that no damage is caused as a result of the use of metal brushes, scouring agents or the exertion of too strong pressure,
- store instruments appropriately (do not lay on top of each other; fix in place for sterilization with nap strips or nap plates),
- sterilization should be performed in the "relaxed" state:

open joint instruments

unlock instruments with a lock

remove cannula from handles prior to sterilizing,

- do not allow residues to dry on lumen instruments (e.g., cannula). When lumen instruments have been laid aside, they are to be flushed out with sterile or low-bacteria (max. 10 bacteria/ml) distilled or deionized water,
- only care products suitable for sterilization are to be used on joint instruments,
- the use of distilled or deionized water for all reprocessing cycles (incl. precleaning), is recommendable, as an increased concentration of ions can develop on the surface of the steels when tap water is used.

8. Materials Used

8.1 Mechanical Cleaning/Disinfection

Proof of the fundamental suitability of the instruments for effective mechanical cleaning and disinfection has been furnished by an independent accredited testing laboratory using the Disinfector G 7736 from Miele & Cie. GmbH & Co., Gütersloh, (thermal disinfection), the detergent Neodisher MA and the neutralizing agent Neodisher Z (Dr. Weigert GmbH & Co. KG, Hamburg). In this connection, the process described under point 3.3 was taken into account.

8.2 Manual Cleaning

Proof of the fundamental suitability of the instruments for effective manual cleaning and disinfection has been furnished by an independent accredited testing laboratory using the detergent Bodedex forte and the disinfectant Korsorex plus (Bode Chemie GmbH, Hamburg). In this connection, the process described under point 3.4 was taken into account.

8.3 Sterilization

Proof of the fundamental suitability of the instruments for effective steam sterilization has been furnished by an independent accredited testing laboratory using the fractionated vacuum process (EuroSelectomat from MMM Münchener Medizin Mechanik GmbH, Planegg). In this connection, the process described under point 6.2 was taken into account.

9. Abbreviations and Addresses

1DGHM Deutsche Gesellschaft für Hygiene und Mikrobiologie e.V.
(German Society for Hygiene and Microbiology)
www.dghm.org

The list of approved detergents and disinfectants can be obtained from:

mhp-Verlag
Marktplatz 13
65183 Wiesbaden

2FDA U.S. Food and Drug Administration
www.fda.gov

3Pharm. Eur. European Pharmacopeia

4USP U.S. Pharmacopeia
www.usp.org

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AGARWAL Irrigating Nucleus Chopper	134
AGARWAL Karate Phaco-Chopper	132
AGARWAL Phaconit-Set	231
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AKAHOSHI Pre-Chopper	105
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AMON Phaco Spatulas	146
ANEL Lacrimal Cannulas	21
ANIS Ball Capsule Polishers	8
Anterior Chamber Forceps	87
Anterior Synechia Scissors	188
ARLT Lens Loops	127
ARRUGA Capsule Forceps	87
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BACKHAUS Towel Forceps	158
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BANGERTER Iris Spatulas	142
BANGERTER Lacrimal Probe Cannulas	20
BANGERTER Muscle Forceps	103
BANGERTER Spatulas	144
BANGERTER Tying Forceps	109
BARRAQUER Cilia Forceps	91
BARRAQUER Eye Specula	59
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BERKE Ptosis Forceps	90
BEST Keratoplasty Trephines	217

BEYER Bone Nibbling Rongeurs	178
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BONN Eye Scissors	194
BONN Iris Forceps	96, 97
BONN Iris Hooks	137
BONN Irrigation Cannulas	10
BONN Lacrimal Cannulas	20
BONN Scleral Knives	122
BONN Strabismus Hooks	140
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BURATTO LASIK Flap Forceps	103
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CASTROVIEJO Corneal Scissors	185, 186
CASTROVIEJO Eye Specula	67
CASTROVIEJO Marking Calipers	3
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CASTROVIEJO Razor Blade Holders	1
CASTROVIEJO Spatulas	143
CASTROVIEJO Superior Rectus Forceps	104
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HAMBURG Keratoplasty Trephines	217
HAMBURG Orbital Spatulas	144
HAMBURG Retrograde Probes	174
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