

**ENDOSCOPES AND
INSTRUMENTS FOR ENT
ESOPHAGOSCOPY –
BRONCHOSCOPY**

10th EDITION 1/2023

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THE WORLD OF ENDOSCOPY

Not all the products listed in this document are certified according to Regulation 2017/745/EU.

For this reason, some products requiring certification under this regulation may not be available in these countries.



Information on events is available on the KARL STORZ website
www.karlstorz.com

ENDOSCOPES AND INSTRUMENTS FOR ENT ESOPHAGOSCOPY– BRONCHOSCOPY

10th EDITION 1/2023

Important Notes:

It is recommended to check the suitability of the product for the intended procedure prior to use.

Endoscopes and accessories contained in this catalog have been designed in part with the cooperation of physicians and are manufactured by the KARL STORZ group. If subcontractors are hired to manufacture individual components, these are made according to proprietary KARL STORZ plans or drawings. Furthermore, these products are subject to strict quality and control guidelines of the KARL STORZ group. Both contractual and general legal provisions prohibit subcontractors from supplying components manufactured by order of KARL STORZ to competitors.

Any assumptions that competitors' endoscopes and accessories are acquired from the same suppliers as the KARL STORZ products are not correct. Moreover, endoscopes and instruments provided by competitors are not manufactured according to the design specifications of KARL STORZ. This means it cannot be assumed that these endoscopes and accessories – even if they look identical on the outside – are constructed in the same manner and have been tested according to the same criteria.

Standardized Design and Labeling

KARL STORZ participates both in national and international bodies involved in the development of standards for endoscopes and endoscopic accessories. Standardized design and development therefore have long been implemented consistently by KARL STORZ. The user can rest assured that all products by the KARL STORZ group have been designed and constructed not only in compliance with strict internal quality guidelines, but also with international standards. All data relevant for safe use, such as viewing direction, sizes and diameters, or notes regarding sterilization of telescopes, are applied to the instruments, have been formulated according to international standards, and therefore provide reliable information.

As we constantly seek to improve and modify our products, we reserve the right to make changes in design that vary from catalog descriptions.

Original or Counterfeit

KARL STORZ products are name brand articles renowned around the world and represent the state of the art in important areas of healthcare. A large number of “copy cat” products are currently being offered in many markets. These products are designed intentionally to resemble KARL STORZ products and use marketing strategies that at least point out their compatibility with KARL STORZ products. These products are by no means genuine products, since genuine KARL STORZ products are sold worldwide exclusively under the name of KARL STORZ, which appears on the packaging and the product. In the absence of such labeling, the product is not from KARL STORZ.

KARL STORZ, therefore, is unable to ensure that such products are actually compatible with genuine KARL STORZ products or can be used with them without injury to the patient.

It is recommended to check the suitability of the product for the intended procedure prior to use. Please note that the described products in this medium may not be available yet in all countries due to different regulatory requirements.

Not all the products listed in this document are certified according to European Medical Devices Directive 93/42/EEC or Regulation 2017/745/EU. For this reason, some products requiring certification under this Directive/Regulation may not be available in every country.

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**HEADMIRRORS –
HEADLIGHTS**



LED Headlight KS70

Special Features:

- Battery operating time of up to 18 hours (at brightness level 1) allows use in extensive procedures
- Brightness can be set to 3 levels
- High-performance LED in combination with liquid lens technology ensures good depth illumination and concentration of light energy with a significantly lower loss of luminosity compared to a conventional iris diaphragm*
- Continuously adjustable light field diameter as well as the position and angle of the light unit for perfect orientation of the illumination path
- Lightweight and well-balanced headband design with ergonomic shape for comfortable wear
- Lightweight and compact design of the lamp unit
- Visual capacity indicator and flashing lights in case battery is low
- Quick and easy battery replacement
- Direct charging via a micro-USB plug connected to the headlight or external charging station



094220

094220

LED Headlight KS70, white light, lightweight model, control unit and rechargeable battery box on headband, charging unit, illumination area adjustable from 30 – 150 mm in diameter with 40 cm working distance including:

Control Unit

Battery Box

2x Battery Pack

Charger USB

Headband

Neoprene Cushion, for headband**

094230

Same, yellowish light

* The light field diameter is adjusted by adjusting the lens curvature – this allows variations in the diameter of the illuminated field and optimal light bundling at the same time.

** Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13

Headlight KS60

with cold light illumination

Special Features:

- Luminous field can be focused – adjustable from 20 to 80 mm at a working distance of 40 cm – resulting in brightness of over 175,000 lux
- Double lens system for illumination in the depths of the operating field
- Lightweight headband, also suitable for a small head size, can be adjusted both horizontally and vertically
- Sterilizable handle allows adjustment under sterile conditions, movable and height adjustable
- Light cable is divided in the head area for even distribution of weight
- Light cable length of 290 cm provides good freedom of movement



310060

310060



Headlight KS60, with double lens system and Y-fiber optic light cable, >175,000 lux, illuminated area adjustable from 20 – 80 mm in diameter with 40 cm working distance, with removable and sterilizable focus handle

including:

Headband, fully adjustable, with forehead cushion

Y-Fiber Optic Light Cable

Clip with Band

Neoprene Cushion, for headband*

* Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13

Headlights

with cold light illumination

Special Features:

- Good illumination in the depth of the operating field
- Diameter of light field can be adjusted from 10 to 60 mm
- Sterilizable handle, removable
- Comfortable, adjustable headband, including forehead cushion with push-button lock
- Clip for attaching the fiber optic light cable to OR clothing



094051

094051



Headlight, with ball joint and vertical height adjustment, front section movable in all directions, with removable and sterilizable handle including:

Headband, fully adjustable, with forehead cushion

Fiber Optic Light Cable

Clip with Band

Neoprene Cushion, for headband*

* Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13

Headlights

with cold light illumination

Special Features:

- Good wearing comfort
- Diameter of light field (20 – 80 mm) can be adjusted via the aperture
- Working distance 40 cm



310010

Headlight, lightweight model, illuminated area 20 –80 mm in diameter with 40 cm working distance, with thin, 230 cm long integral fiber optic light cable, diameter 2.5 mm, with straight plug to the cold light source

including:

Headband, fully adjustable, with forehead cushion

Clip with Band

Neoprene Cushion, for headband*

310020

Same,

including:

Headband, with cross band

* Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13

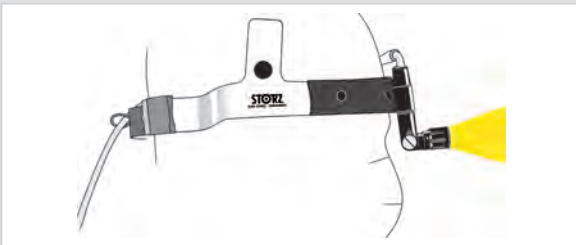
Headlights

with cold light illumination

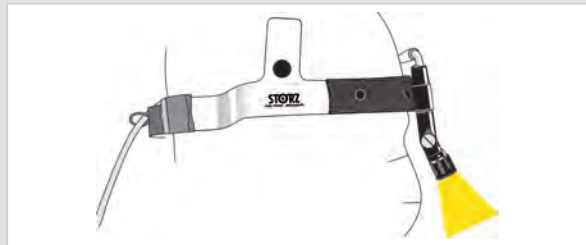
Special Features:

- Headlight can be adjusted in 3 dimensions: height adjustment on the headband, front can be turned 45° to the right or left and also tilted horizontally downwards to a max. of 165°
- Headlight is self-retaining in all positions
- Protective ring for the front lens reduces damage
- Small, lightweight model with thin fiber optic light cable with total weight of only 300 g
- Fiber optic light cable can be connected to either the left or the right of the headband
- Wide headband with bridges on either side to prevent slipping
- Replaceable forehead cushion

90° position



165° position



094301

094301



Headlight, lightweight model, illuminated area 65 mm in diameter with 40 cm working distance, with thin, 230 cm long integral fiber optic light cable, diameter 2.5 mm, with straight plug to the cold light source

including:

Headband

Clip with Band

Neoprene Cushion, for headband*

* Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13

Headlight "CLAR 73"

with cold light illumination

General Features:

- Mirror with slit for monocular viewing
- Concave mirror set in solid, protective mounting

Special Features:

- Diameter of the light field can be changed by means of the aperture setting
- Weight: 400 g
- With Headband 078730, vertical cable guide, for fiber optic light cable diameter 3.5 mm



095501

095501



Headlight "CLAR 73", with 230 cm long integral fiber optic light cable, diameter 3.5 mm, with straight plug to the cold light source

including:

Headband

Clip with Band

Neoprene Cushion, for headband*

* Neoprene forehead cushions are included with all headlight sets and need not be ordered separately.

Components/Spare Parts see chapter 13



077090

077090 **ZIEGLER Headmirror,**
replaceable mirror, diameter 90 mm,
including:
Headband, wide

Components/Spare Parts see chapter 13



OTOLOGY

OTOSCOPY10-15

INSTRUMENTS FOR
DIAGNOSIS AND THERAPY –
OUTER EAR16-29

EAR MICROSURGERY30-72

ENDOSCOPIC
MIDDLE EAR SURGERY73-79

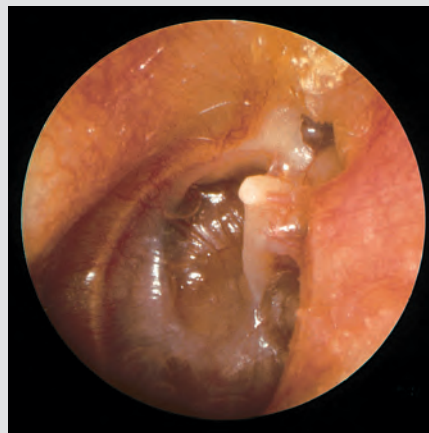
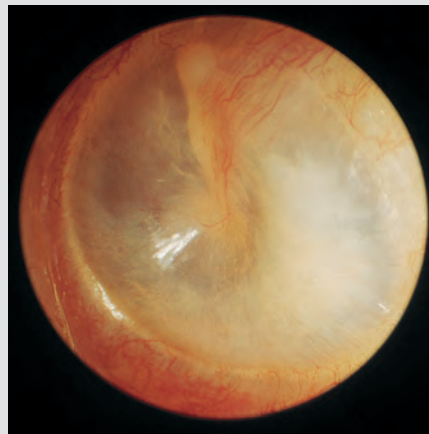
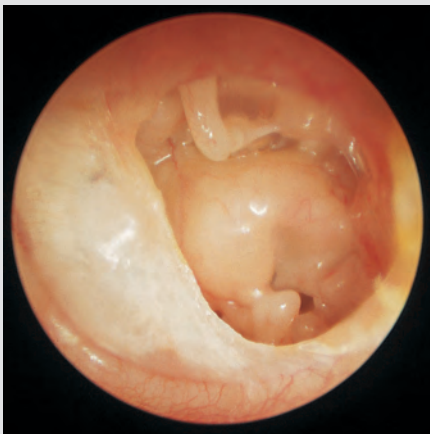
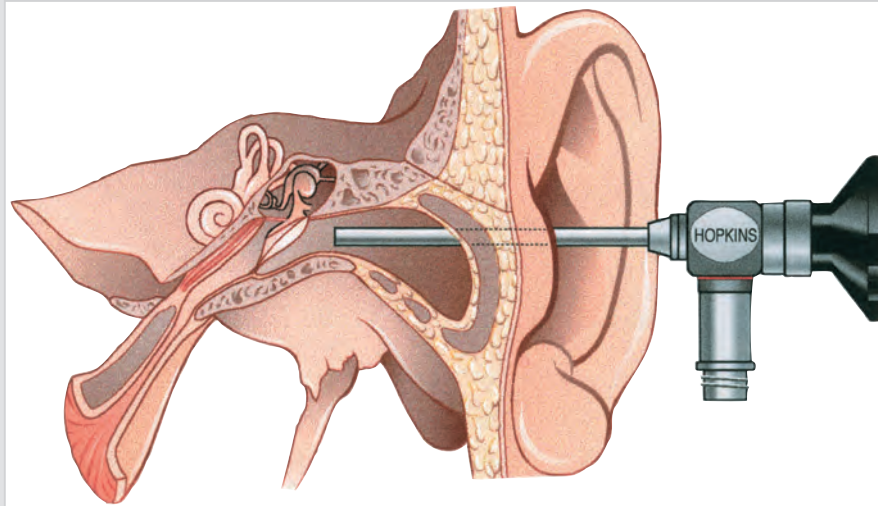
RACKS AND CONTAINERS80-82

Otoscopy

with HOPKINS® Telescopes

Special Features:

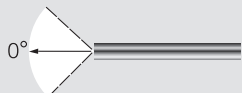
- For visualization of the eardrum
- HOPKINS® telescopes available in diameters 1.9 mm, 2.7 mm, 3 mm and 4 mm for ear diagnosis and surgery



Diameter 1.9 mm, length 10 cm
For examination of the middle ear



1232 AA



1232 AA

HOPKINS® Straight Forward Telescope 0°, diameter 1.9 mm, length 10 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



1232 BA

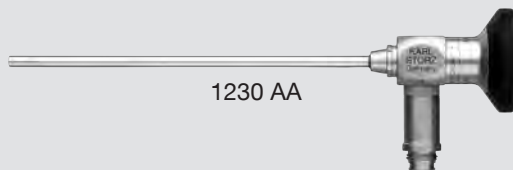
HOPKINS® Forward-Oblique Telescope 30°, diameter 1.9 mm, length 10 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

Otoscopy

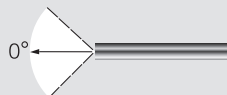
with HOPKINS® Telescopes

Diameter 2.7 mm, length 11 cm

For tympanoscopy and examination of the middle ear



1230 AA



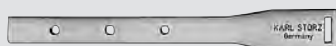
1230 AA

HOPKINS® Straight Forward Telescope 0°, diameter 2.7 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



1230 BA

HOPKINS® Forward-Oblique Telescope 30°, diameter 2.7 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



723750 A

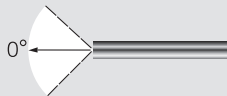
Protective Sleeve, for HOPKINS® telescopes with length of 6 – 11 cm

Components/Spare Parts see chapter 13

Diameter 3 mm, length 6 cm

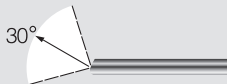


1218 AA



1218 AA

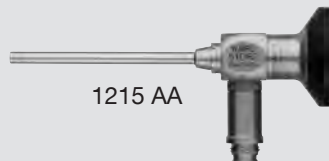
Tele-Otoscope with HOPKINS® Straight Forward Telescope 0°, diameter 3 mm, length 6 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



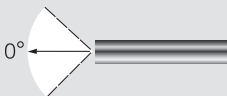
1218 BA

Tele-Otoscope with HOPKINS® Forward-Oblique Telescope 30°, diameter 3 mm, length 6 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

Diameter 4 mm, length 6 cm

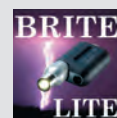


1215 AA



1215 AA

Tele-Otoscope with HOPKINS® Straight Forward Telescope 0°, diameter 4 mm, length 6 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



Special Features:

- Available as battery and rechargeable versions
- LED service life of up to 40,000 hours
- Burning time > 120 min



11301 DE



11301 DG

- 11301 D4 **Battery Light Source LED for Endoscopes**, with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, **suitable for wipe disinfection**, for use with KARL STORZ endoscopes
- 11301 DE **Battery Light Source LED for Endoscopes**, rechargeable, with click connection, boost mode for temporary increase in brightness, lithium-ion batteries, charging time 60 min, burning time at 100% brightness 40 min, weight approx. 150 g, **suitable for wipe disinfection**
- 11301 DF **Same**, with coarse screw thread
- 11301 DG **Charging Unit**, for two LED battery light sources, with fixed integrated power supply and adaptor for EU, UK, USA and Australia, power supply 110 – 240 VAC, 50/60 Hz, **suitable for wipe disinfection**, for use with Battery Light Source LED 11301 DE/DF
- 094129 **Battery Charger Li-Ion**, for charging Rechargeable Battery Box 094124 or Battery Light Source LED 11301 DE/DF, power supply 100 – 240 VAC, 50/60 Hz, for use with Mains Cord 094127
- 094127 **Mains Cord**, for Battery Charger 094129, length 150 cm

Note:

Please order charging unit or battery charger with mains cord for Battery Light Sources LED 11301 DE/DF.

Components/Spare Parts see chapter 13

Otoscopy

HEINE Otoscope



121300

121300 HEINE **Otoscope**, otoscope head with fiber optic light transmission incorporated including:

Ear Specula, outer diameter 2.5 – 5 mm

Battery Handle

2x 1.5 Volt Battery

Spare Lamp



121302 –
121305

- 121302
- 121303
- 121304
- 121305

Ear Speculum, reusable, black, outer diameter 2.5 mm

Same, outer diameter 3 mm

Same, outer diameter 4 mm

Same, outer diameter 5 mm



121332
121334

- 121332
- 121334

Ear Speculum, gray, outer diameter 2.5 mm, unsterile, for single use, package of 1000

Same, outer diameter 4 mm



Instruments for Diagnosis and Therapy – Outer Ear

Auricle Plasty Set

STORZ
KARL STORZ — ENDOSKOPE

Recommended Set

208000	Surgical Handle , Fig. 3, length 12.5 cm
208215	Blade , Fig. 15, sterile, for single use, package of 100
208211	Blade , Fig. 11, sterile, for single use, package of 100
511210	Scissors , extra delicate, curved, length 10 cm
511414	JOSEPH Scissors , curved, length 14 cm
513410	COTTLE Scissors , curved, length 10.5 cm
791202	Scissors , curved, sharp/blunt, length 14.5 cm
530910	Tissue Forceps , delicate, straight, 1 x 2 teeth, length 10 cm
530811	Tissue Forceps , 7 x 8 fine teeth, length 11 cm
792402	Dressing Forceps , medium, length 14.5 cm
793402	Tissue Forceps , 1 x 2 teeth, medium, length 14.5 cm
151011	Cotton Applicator , standard model, triangular serrated, diameter 1.1 mm, working length 13 cm
493000	COTTLE Nasal Knife , rounded edge, length 14 cm
474000	FREER Elevator , double-ended , semisharp and blunt, length 20 cm
474200	FREER-JOSEPH Elevator , double-ended, slender, semisharp and sharp, length 20 cm
477500	FREER Raspatory , curved, width 4 mm, length 16.5 cm
499101	Hook , one prong, large curve, length 16.5 cm
499205	JOSEPH Double Hook , width 5 mm, length 15 cm
786202	Retractor , blunt, two prongs, length 17 cm
810802	Medicine Cup , 25 cm ³ , diameter 60 mm, height 28 mm
204810	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm
204808	Same , 8 Fr.
6x 535212	HALSTEAD “Mosquito” Artery Forceps , curved, length 12.5 cm
537014	Dissecting Forceps , straight, without ratchet, length 14 cm
794014	ROCHESTER-PEAN Artery Forceps , straight, length 14 cm
6x 796011	BACKHAUS Towel Forceps , length 11 cm
516013	Needle Holder , tungsten carbide inserts, length 13 cm
842116	Bipolar Coagulating Forceps , insulated, tips curved, tips 0.5 mm, length 16 cm
847000 E	Bipolar High Frequency Cord , length 300 cm

Instruments for Diagnosis and Therapy – Outer Ear

Tympanostomy Set

Recommended Set Configuration

122005	HARTMANN Ear Speculum , standard model, outer diameter 5 mm, length 3.6 cm
122006	Same , outer diameter 6 mm
122007	Same , outer diameter 7.5 mm
221100	HARTMANN Ear Forceps, dismantling , extra delicate, serrated, 1 x 4.5 mm, working length 8 cm
153301	BUCK Ear Curette , blunt, size 1, length 14.5 cm
223300	PLESTER Sickle Knife , double-edged, standard model, slightly curved, length 16 cm
224303	WULLSTEIN Needle , slight curve, length 16.5 cm
225208	Pick , 90°, size 0.8 mm, length 16 cm
204200	Suction Handle , with cut-off hole, LUER cone, length 5.5 cm
204310	Suction Tube , straight, LUER-Lock, malleable, outer diameter 1 mm, length 10 cm
204313	Same , outer diameter 1.3 mm
204315	Same , outer diameter 1.5 mm
204320	Same , outer diameter 2 mm
230100	TÜBINGER Ventilation Tube , made of precious metal and gold-plated, without retrieval wire, inner diameter 1.5 mm, size 2, outer diameter 2.8 mm, sterile, for single use, package of 10

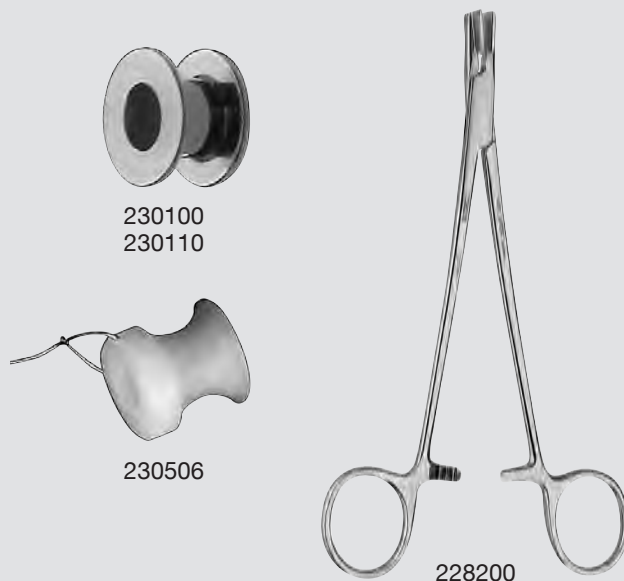
Optional:

1218 AA	Tele-Otoscope , with HOPKINS® straight forward telescope 0° , diameter 3 mm, length 6 cm, autocavable , fiber optic light transmission incorporated, color code: green
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Instruments for Diagnosis and Therapy – Outer Ear

Ventilation Tubes and Accessories

The advantage of the TÜBINGER ventilation tube is that the larger lumen provides better drainage.



- 230100 **TÜBINGEN Ventilation Tube**, made of precious metal and gold-plated, without retrieval wire, inner diameter 1.5 mm, size 2, outer diameter 2.8 mm, sterile, for single use, package of 10
- 230110 **TÜBINGEN Ventilation Tube**, made of precious metal and gold-plated, without retrieval wire, inner diameter 1.25 mm, size 1, outer diameter 2.6 mm, sterile, for single use, package of 10
- 230506 **SHEPARD Ventilation Tube**, Teflon, with retrieval wire, inner diameter 1.1 mm, sterile, for single use, package of 6
- 228200 **Gelfoam Press**, length 18 cm

Instruments for Diagnosis and Therapy – Outer Ear

Ear Specula



119700

119700

SIEGLE **Diagnostic Head**, without magnification



119800

119800

BRÜNINGS **Diagnostic Head**, with magnification, anastigmatic



119900

119900

FRENZEL **Operating Head**, with wall detail, with magnification, anastigmatic

Stainless Steel Ear Specula



122003 –
122007

○ 3 mm

122003

HARTMANN **Ear Speculum**, standard model, outer diameter 3 mm, length 3.6 cm

○ 4 mm

122004

Same, outer diameter 4 mm

○ 5 mm

122005

Same, outer diameter 5 mm

○ 6 mm

122006

Same, outer diameter 6 mm

○ 7.5 mm

122007

Same, outer diameter 7.5 mm



122503 –
122505

○ 3 mm

122503

HARTMANN **Ear Speculum**, short, outer diameter 3 mm, length 2.7 cm

○ 4 mm

122504

Same, outer diameter 4 mm

○ 5 mm

122505

Same, outer diameter 5 mm

Stainless Steel Ear Specula



123031 –
123037

	4 mm	123031	FARRIOR Ear Speculum, round, size 1, outer diameter 4 mm, length 4.5 cm
	5 mm	123032	Same , size 2, outer diameter 5 mm
	6 mm	123033	Same , size 3, outer diameter 6 mm
	7 mm	123034	Same , size 4, outer diameter 7 mm
	8 mm	123035	Same , size 5, outer diameter 8 mm
	9 mm	123036	Same , size 6, outer diameter 9 mm
	10 mm	123037	Same , size 7, outer diameter 10 mm



123041 –
123049

	4.0 x 4.8 mm	123041	FARRIOR Ear Speculum, oval, size 1, 4.0 x 4.8 mm, length 4.3 cm
	5.0 x 5.8 mm	123042	Same , size 2, 5.0 x 5.8 mm
	5.5 x 6.3 mm	123043	Same , size 3, 5.5 x 6.3 mm
	6.0 x 6.8 mm	123044	Same , size 4, 6.0 x 6.8 mm
	6.5 x 7.3 mm	123045	Same , size 5, 6.5 x 7.3 mm
	7.0 x 7.8 mm	123046	Same , size 6, 7.0 x 7.8 mm
	7.5 x 8.3 mm	123047	Same , size 7, 7.5 x 8.3 mm
	8.0 x 8.8 mm	123048	Same , size 8, 8.0 x 8.8 mm
	8.5 x 9.3 mm	123049	Same , size 9, 8.5 x 9.3 mm

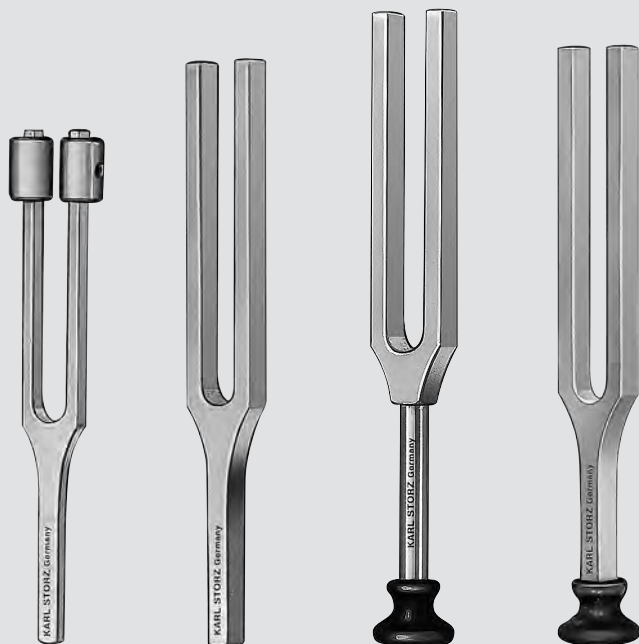


123205 –
123207

123205	HOLMGREEN Endaural Ear Speculum, self-retaining, outer diameter 5 mm
123206	Same , outer diameter 6 mm
123207	Same , outer diameter 7 mm

Instruments for Diagnosis and Therapy – Outer Ear

Tuning Forks



125300
125400

125500
125600
125700
125800

125501
125601

126000

125300
125400

Tuning Fork, C-128, with weights
Same, C¹-256

125500
125600
125700
125800

Tuning Fork, C²-512, without weights
Same, C³-1024
Same, C⁴-2048
Same, C⁵-4096

125501
125601

Tuning Fork, C²-512, without weights, with stand
Same, C³-1024

126000

Tuning Fork, A¹-440, with stand

Instruments for Diagnosis and Therapy – Outer Ear

Nystagmus Spectacles

STORZ
KARL STORZ — ENDOSKOPE



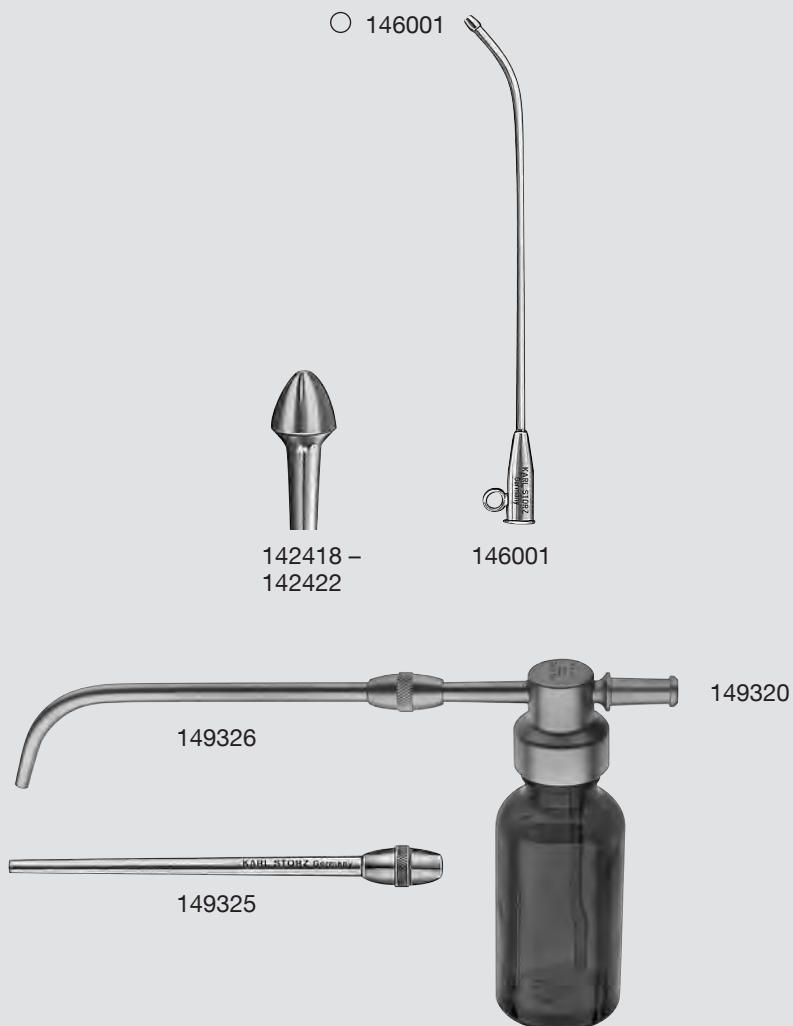
138905

138905 FRENZEL **Nystagmus Spectacles**, black frame, with attached, adjustable battery handle and ventilation slots, including 2 Lamps 138964, 4 V, for use with 3 Batteries 121306 (not included in delivery)

Components/Spare Parts see chapter 13

Instruments for Diagnosis and Therapy – Outer Ear

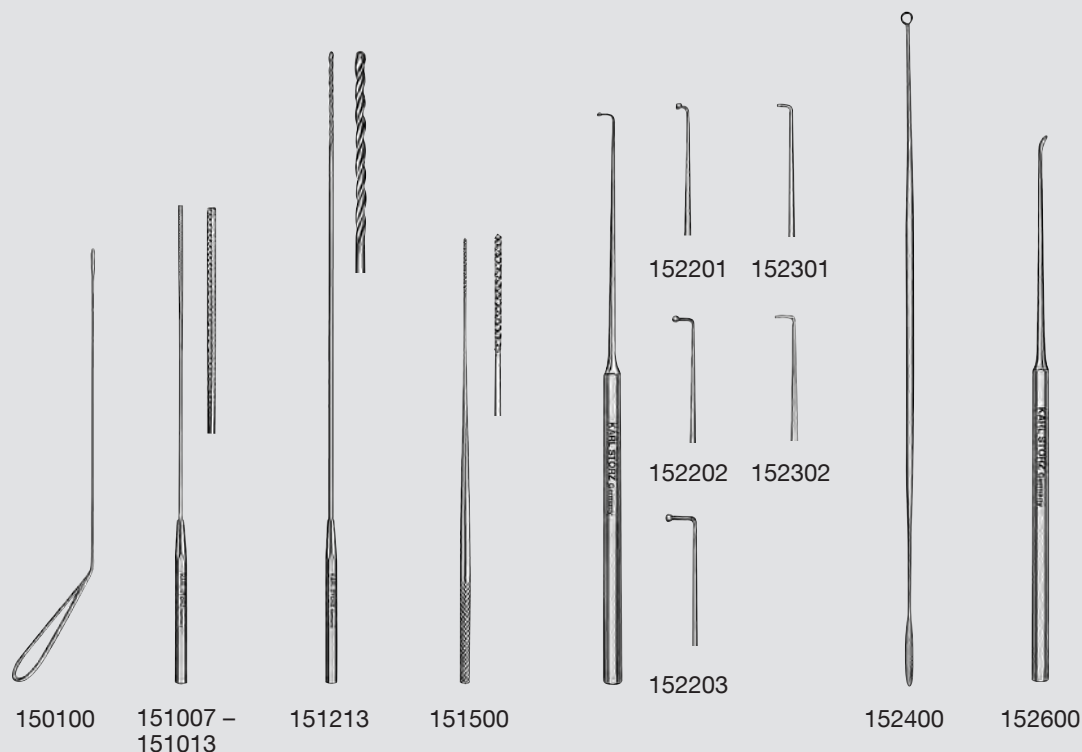
Nasal Olives, Catheter, Powder Blower



- 142418 **Nasal Olive**, metal, size 18 mm
- 142420 **Same**, size 20 mm
- 142422 **Same**, size 22 mm
- 146001 HARTMANN **Eustachian Catheter**, size 1,
length 13.5 cm, olive diameter 2.8 mm
- 149320 KABIERSKE **Powder Blower**, with large
bottle, with 1 straight Cannula 149325 and
1 curved Cannula 149326

Instruments for Diagnosis and Therapy – Outer Ear

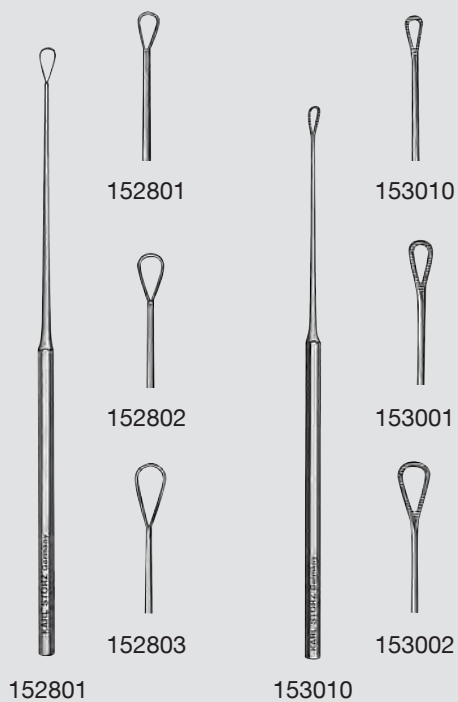
Ear Probe, Cotton Applicators, Ear Hooks, Ear Spatula



- 150100 **STACKE Ear Probe**, length 10.5 cm
- 151007 **Cotton Applicator**, standard model, triangular serrated, diameter 0.7 mm, working length 13 cm
- 151009 **Same**, diameter 0.9 mm
- 151011 **Same**, diameter 1.1 mm
- 151013 **Same**, diameter 1.3 mm
- 151213 **Cotton Applicator**, with thread, diameter 1.3 mm, working length 17.5 cm
- 151500 **FROHN Cotton Applicator**, with thread, diameter 1.1 mm, working length 12.5 cm
- 152201 **WAGENER Ear Hook**, with ball end, size 1, length 15.5 cm
- 152202 **Same**, size 2
- 152203 **Same**, size 3
- 152301 **Ear Hook**, without ball end, size 1, length 15.5 cm
- 152302 **Same**, size 2
- 152400 **JOBSON-HORNE Probe**, working length 18 cm
- 152600 **ZAUFAL Ear Spatula**, length 14.5 cm

Instruments for Diagnosis and Therapy – Outer Ear

Ear Loops

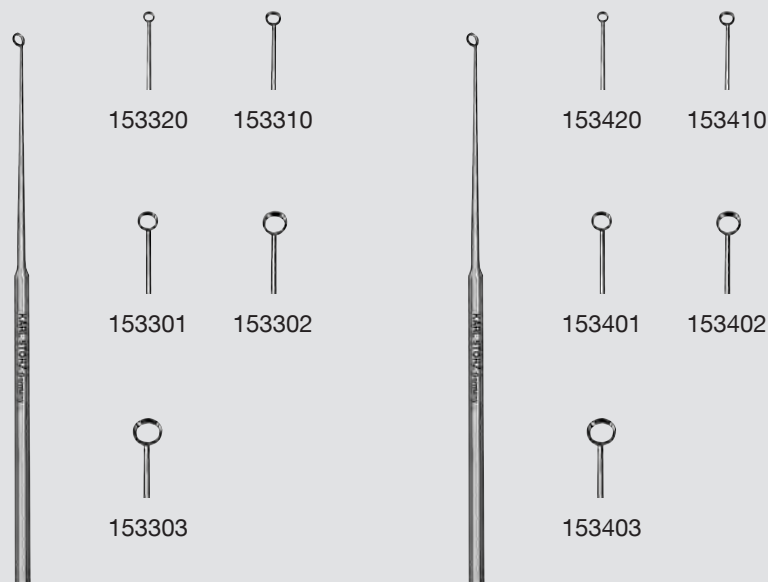


- | | |
|--------|---|
| 152801 | BILLEAU Ear Loop , size 1, length 16 cm |
| 152802 | Same , size 2 |
| 152803 | Same , size 3 |
| 153010 | WEBER-LOCH Ear Loop , size 0, length 14.5 cm |
| 153001 | Same , size 1 |
| 153002 | Same , size 2 |

Instruments for Diagnosis and Therapy – Outer Ear

Ear Curettes

STORZ
KARL STORZ — ENDOSKOPE



BUCK Ear Currettes, blunt

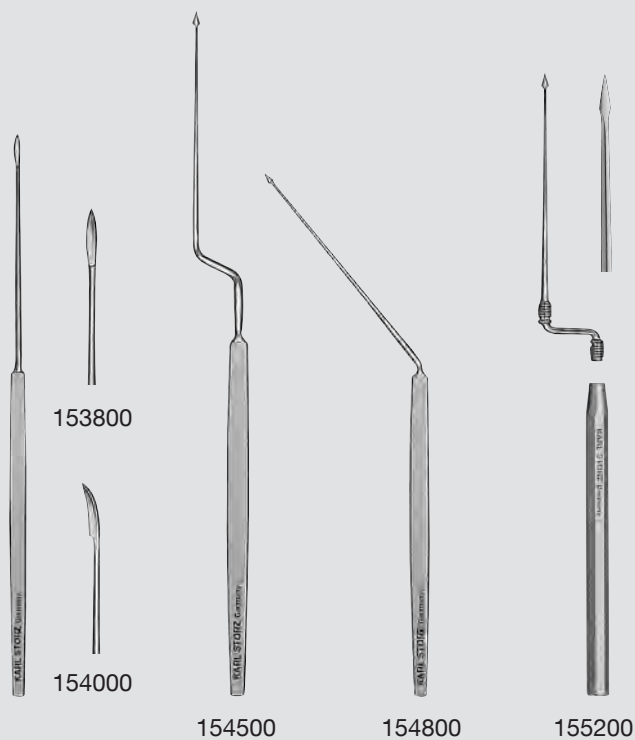
153320	BUCK Ear Curette, blunt, size 00, length 14.5 cm
153310	Same , size 0
153301	Same , size 1
153302	Same , size 2
153303	Same , size 3

BUCK Ear Currettes, sharp

153420	BUCK Ear Curette, sharp, size 00, length 14.5 cm
153410	Same , size 0
153401	Same , size 1
153402	Same , size 2
153403	Same , size 3

Instruments for Diagnosis and Therapy – Outer Ear

Ear Knives



- 153800 **POLITZER Ear Knife**, straight, working length 6.5 cm
154000 **Same**, curved
154500 **TRAUTMANN Ear Knife**, delicate, bayonet-shaped,
 working length 7.5 cm
154800 **POLITZER Ear Knife**, delicate, angular,
 working length 7.5 cm
155200 **Ear Knife**, screw handle, bayonet-shaped,
 working length 8 cm

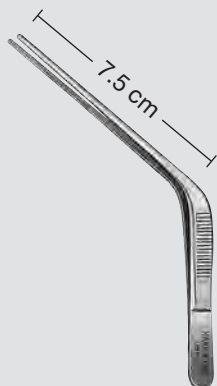
Instruments for Diagnosis and Therapy – Outer Ear

Forceps, Dressing Forceps

STORZ
KARL STORZ — ENDOSKOPE



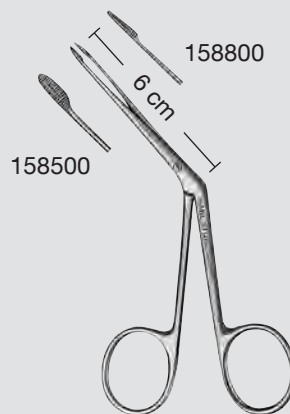
156000



157000



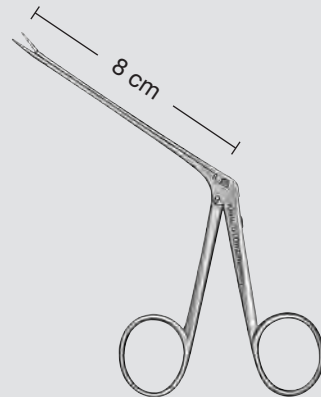
157100



- 156000 **LUCAE Ear Forceps**, bayonet-shaped, length 14.5 cm
- 157000 **TRÖLTSCH Ear Dressing Forceps**, serrated, standard model, working length 7.5 cm
- 157100 **TRÖLTSCH Ear Dressing Forceps**, serrated, small and delicate, working length 4.5 cm
- 158500 **HARTMANN Ear Dressing Forceps**, slender, working length 6 cm
- 158800 **Same**, extra delicate

Instruments for Diagnosis and Therapy – Outer Ear

Forceps



161000 –
162800



dismantling



161000

HARTMANN Ear Forceps, dismantling,
serrated, working length 8 cm



161200

Ear Forceps, dismantling, duckbill, flat,
serrated jaws, working length 8 cm



162020

HARTMANN Ear Forceps, dismantling, round cupped
jaws, diameter 2 mm, working length 8 cm



162025

Same, diameter 2.5 mm



162500

STRÜMPEL Ear Forceps,
dismantling, working length 8 cm



162800

HARTMANN Ear Forceps, dismantling,
through-cutting, straight, working length 8 cm

Recommended Set

400500	HARTMANN Nasal Speculum , for adults, length 13 cm
213008	PLESTER Raspatory , width 8 mm, length 18 cm
212803	LEMPERT Raspatory , width 3 mm, length 19 cm
213500	Tissue Forceps , 1 x 2 teeth, length 11.5 cm
214000	WULLSTEIN Forceps , serrated, length 15 cm
213200	Scissors , curved, sharp/blunt, length 12 cm
2x 220211	PLESTER Retractor , 2 x 2 prongs, length 11 cm
220411	PLESTER Retractor , 2 prongs on right, full blade on left, length 11 cm
220511	PLESTER Retractor , 2 prongs on left, full blade on right, length 11 cm
220700	WILLIGER Retractor , 4 prongs, sharp, length 13 cm
2x 208000	Surgical Handle , Fig. 3, length 12.5 cm
208215	Blade , Fig. 15, sterile, for single use, package of 100
208211	Same , Fig. 11
208210	Same , Fig. 10
791202	Scissors , curved, sharp/blunt, length 14.5 cm
794014	ROCHESTER-PEAN Artery Forceps , straight, length 14 cm
516013	Needle Holder , tungsten carbide inserts, length 13 cm
535012	HALSTEAD "Mosquito" Artery Forceps , straight, length 12.5 cm
2x 535212	HALSTEAD "Mosquito" Artery Forceps , curved, length 12.5 cm
6x 796008	BACKHAUS Towel Forceps , length 9 cm
227600	GUILFORD-WRIGHT Wire Cutter , serrated, length 10 cm
6x 223000	Instrument Guard , teflon, autoclavable , for micro forceps and micro scissors with working length 8 cm, length 11.5 cm
122005	HARTMANN Ear Speculum , standard model, outer diameter 5 mm, length 3.6 cm
122006	Same , outer diameter 6 mm
122007	Same , outer diameter 7.5 mm
221100	HARTMANN Ear Forceps, dismantling , extra delicate, serrated, 1 x 4.5 mm, working length 8 cm
221200	FISCH Ear Forceps, dismantling , extra delicate, pointed, serrated, 1 x 4.5 mm, working length 8 cm
161000	HARTMANN Ear Forceps, dismantling , serrated, working length 8 cm
221409	WULLSTEIN Ear Forceps, dismantling , extra delicate, oval cupped jaws 0.9 mm, working length 8 cm
162020	HARTMANN Ear Forceps, dismantling , round cupped jaws, diameter 2 mm, working length 8 cm
222600	BELLUCCI Scissors, dismantling , delicate standard model, cutting length 8 mm, working length 8 cm
222800	HOUSE-DIETER Malleus Nipper, dismantling , upbiting, working length 8 cm
227400	McGEE Wire Crimper, dismantling , straight, working length 8 cm
4x 204007	Suction Tube , angular, LUER-Lock, outer diameter 0.7 mm, working length 6 cm
4x 204010	Same , outer diameter 1 mm
4x 204013	Same , outer diameter 1.3 mm
4x 204015	Same , outer diameter 1.5 mm
4x 204020	Same , outer diameter 2 mm
204001	Suction Handle , with cut-off hole, LUER cone, length 10 cm
204405	PLESTER Suction Tube , with grip plate, cut-off hole and stylet, LUER, 5 Fr., length 18 cm
204407	Same , 7 Fr.
204409	Same , 9 Fr.
152301	Ear Hook , without ball end, size 1, length 15.5 cm
223803	Seeker , with ball end, angled 45°, size 3, length 15.5 cm
153420	BUCK Ear Curette , sharp, size 00, length 14.5 cm
153410	Same , size 0
224600	PLESTER Hook , retrograde, 2 mm, length 15.5 cm
2x 224001	HOUSE Double Curette , large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm

2x 224002	HOUSE Double Curette , small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm, length 15 cm
225008	HEERMANN Hook , reinforced, retrograde, 0.8 mm, length 16 cm
225405	Pick , 45°, size 0.5 mm, length 16 cm
223400	KLEY Footplate Knife , length 16 cm
2x 224802	Footplate Hook , 0.2 mm, length 16 cm
2x 224806	PLESTER Footplate Hook , 0.6 mm, length 16 cm
226600	FISCH Manual Perforator , diameter 0.3 mm, length 16 cm
224400	PLESTER Guiding Fork , length 15.5 cm
225410	Pick , 45°, size 1 mm, length 16 cm
2x 223100	PLESTER Round Knife , vertical, standard size 3.5 x 2.5 mm, length 16 cm
2x 226820	Round Knife , 45°, diameter 2 mm, length 16 cm
2x 223300	PLESTER Sickle Knife , double-edged, standard model, slightly curved, length 16 cm
2x 224303	WULLSTEIN Needle , slight curve, length 16.5 cm
225204	Pick , 90°, size 0.4 mm, length 16 cm
225206	Same , size 0.6 mm
225208	Same , size 0.8 mm
225210	Same , size 1 mm
39780 A	MiniSet Container , with MicroStop®, for sterilization and sterile storage, external dimensions (w x d x h): 310 x 189 x 70 mm, internal dimensions (w x d x h): 283 x 177 x 38 mm including: Base Lid MicroStop® Microbiological Barrier
842216	Bipolar Coagulation Forceps , insulated, angled tip, blunt, tip 1 mm, length 16 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
280030	Rack , for 36 straight shaft burs with a length of 7 cm, foldable, sterilizable, size 22 x 11.5 x 2 cm
261000	Tungsten Carbide Straight Shaft Burr , stainless, sizes 006 – 070, length 7 cm, set of 15
262000	Diamond Straight Shaft Burr , stainless, sizes 006 – 070, length 7 cm, set of 15
265060	Diamond Straight Shaft Burr , cylindrical, size 060, diameter 6 mm, length 7 cm
UM 600	UNIDRIVE® S III SCB , motor control unit with color display, touch screen control, two motor outputs, with integrated unit communication via KS HIVE®, incl. mains cord and connecting cable for KS HIVE®, power supply 100 – 240 VAC, 50/60 Hz
20 2610 33	INTRA Micro Motor 80k
20 2612 33	INTRA Connecting Cable
262570	INTRA Drill Handpiece , angled, 80,000 rpm, length 70 mm
262571	INTRA Drill Handpiece , straight, 80,000 rpm, length 70 mm
262572	INTRA Drill Handpiece , angled, 80,000 rpm, length 125 mm
280063	Lubricant Fluid LUBRIFLUID , for maintenance of handpieces, contra-angles and air motors, package of 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950
280064	Cleaning Product AQUACARE , for instruments used with physiological fluid, 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950
810802	Medicine Cup , 25 cm³, diameter 60 mm, height 28 mm

Ear Microsurgery

FISCH Special Set for Middle Ear Surgery,
Tympaanoplasty and Stapedotomy

Recommended Set

2x 220213	FISCH Retractor , 2 x 2 prongs, length 13 cm
792003	MAYO Scissors , curved, length 15 cm
535312	HALSTEAD " Mosquito " Artery Forceps , micro-model, curved, length 12.5 cm
213410	FISCH Scissors , extra delicate, curved, sharp/sharp, length 10.5 cm
206300	FISCH Suction and Irrigation Tube , conical, suction tube outer diameter 3.2 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm
206600	FISCH Suction and Irrigation Tube , cylindrical, suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm
206700	Same , suction tube outer diameter 1.9 mm, irrigation tube outer diameter 1.9 mm
208000	Surgical Handle , Fig. 3, length 12.5 cm
211804	FISCH Dual Purpose Scalpel Handle , elevator on one side, scalpel handle no. 7 on the other side, length 16 cm
224003	HOUSE Double Curette , medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm
214500 F	Jeweler Forceps , fine, pointed, soft spring-action, length 11 cm
793303 F	Tissue Forceps , 1 x 2 teeth, slender, soft spring-action, length 13 cm
214000 F	WULLSTEIN Forceps , serrated, soft spring-action, length 15 cm
213011	FISCH Raspatory , width 10 mm, length 16 cm
477500	FREER Raspatory , curved, width 4 mm, length 16.5 cm
204729	FISCH Suction Tube , angular, with grip plate, outer diameter 1.2 mm, working length 9 cm
204730	Same , outer diameter 1.5 mm
204732	Same , outer diameter 2 mm
204733	Same , outer diameter 2.2 mm
204352	Suction Tube , angular, malleable, LUER-Lock, outer diameter 0.7 mm, working length 7 cm
204354	Same , outer diameter 1 mm
204250	FISCH Suction Handle , with long thumb grip, cut-off hole diameter 1 mm, inner diameter 1.7 mm, LUER cone, length 5.5 cm
226101	FISCH Micro Raspatory , single curved to right, length 16 cm
226102	Same , single curved to left
226810	Round Knife 45° , diameter 1 mm, length 16 cm
226301	FISCH Tenotome , sickle-shaped, extra fine, length 16 cm
225405	Pick , 45°, size 0.5 mm, length 16 cm
225410	Same , size 1 mm
225415	Same , size 1.5 mm
225425	Same , size 2.5 mm
225205	Pick , 90°, size 0.5 mm, length 16 cm
225210	Same , size 1 mm
225215	Same , size 1.5 mm
225220	Same , size 2 mm
226600	FISCH Manual Perforator , diameter 0.3 mm, length 16 cm
226604	Same , diameter 0.4 mm
226605	Same , diameter 0.5 mm
226606	Same , diameter 0.6 mm
224812	FISCH Footplate Hook , tip angled upwards 90°, 0.2 mm, length 16 cm
224813	Same , tip angled downwards 90°
226514	FISCH Caliper , angled shaft, diameter 0.4 mm, marker pin at 10 mm, length 16 cm
226516	Same , diameter 0.6 mm
226500	FISCH Measuring Rod , marker pins at 3, 4 and 5 mm, length 16 cm
221409	WULLSTEIN Ear Forceps, dismantling , extra delicate, oval cupped jaws 0.9 mm, working length 8 cm
221406	Same , 0.6 mm
162020	HARTMANN Ear Forceps, dismantling , round cupped jaws, diameter 2 mm, working length 8 cm
221100	HARTMANN Ear Forceps, dismantling , extra delicate, serrated, 1 x 4.5 mm, working length 8 cm

Ear Microsurgery

FISCH Special Set for Middle Ear Surgery,
Tympanoplasty and Stapedotomy

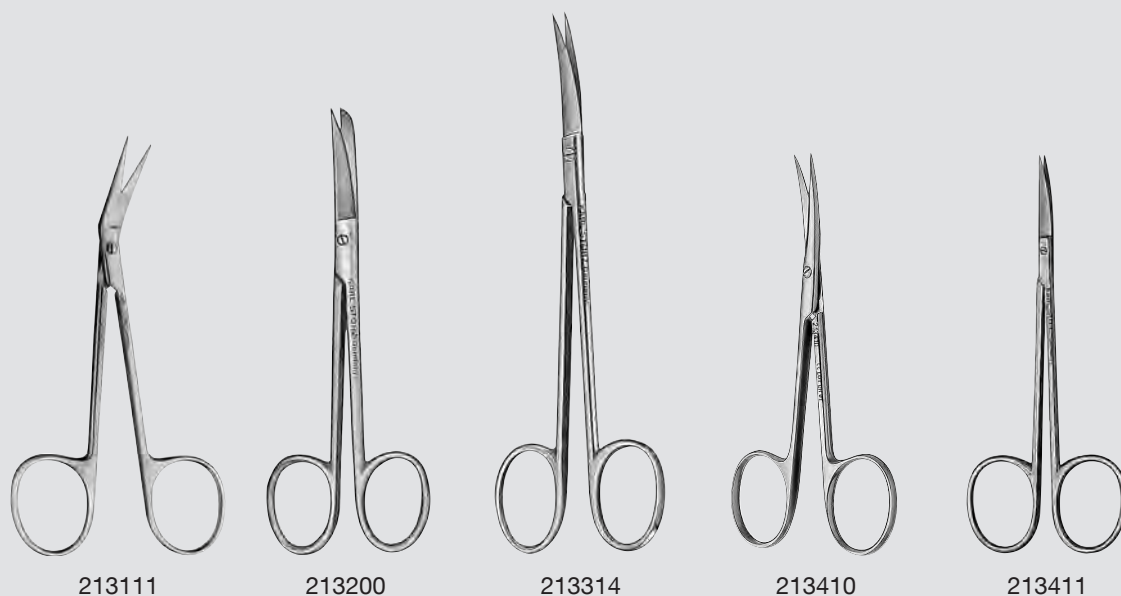
221201	FISCH Ear Forceps, dismantling , extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm
221110	FISCH-HARTMANN Ear Forceps, dismantling , extra delicate, smooth, 1 x 4.5 mm, working length 8 cm
222606	FISCH-BELLUCCI Micro Scissors, dismantling , extra delicate scissor blades, with thin shaft, blade length 3 mm, working length 8 cm
222603	FISCH-BELLUCCI Micro Scissors, dismantling , extra delicate scissor blades, blade length 3 mm, working length 8 cm
222501	FISCH-BELLUCCI Scissors, dismantling , extra delicate scissor blades, blade length 7 mm, working length 8 cm
222710	FISCH Scissors, dismantling , for crurotomy, curved to right, working length 7.5 cm
222720	Same , curved to left
222801	FISCH-DIETER Malleus Nipper, dismantling , extra delicate, upbiting, width 0.8 mm, working length 8 cm
239728	Metal Tray , for sterilization and storage of ear instruments, perforated, base with holder for 20 straight ear micro instruments with octagonal handle, lid with silicone bridges, external dimensions (w x d x h): 275 x 175 x 36 mm

Recommended Set

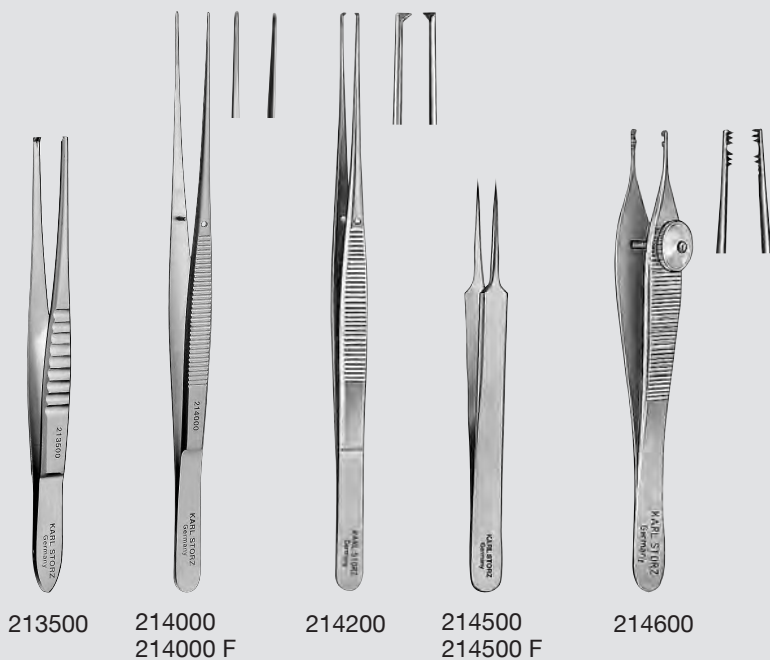
219714 K	DALCHOW Retractor , 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm
220211 K	DALCHOW Retractor , 2 x 2 prongs, length 11 cm
800503	VOLKMANN Retractor , blunt, 3 prongs, length 21 cm
400500	HARTMANN Nasal Speculum , for adults, length 13 cm
122005	HARTMANN Ear Speculum , standard model, outer diameter 5 mm, length 3.6 cm
208000	Surgical Handle , Fig. 3, length 12.5 cm
496550	Surgical Handle , for miniature blades, round, length 16.5 cm
213008	PLESTER Raspatory , width 8 mm, length 18 cm
213011	FISCH Raspatory , width 10 mm, length 16 cm
477500	FREER Raspatory , curved, width 4 mm, length 16.5 cm
213500	Tissue Forceps , 1 x 2 teeth, length 11.5 cm
793401	Tissue Forceps , 1 x 2 teeth, standard width, length 14.5 cm
214500 F	Jeweler Forceps , fine, pointed, soft spring-action, length 11 cm
533012	ADSON Dressing Forceps , serrated, length 12 cm
512511	Scissors , with tungsten carbide inserts, curved, blunt/blunt, length 11 cm
511010	Scissors , extra delicate, straight, length 10 cm
513410	COTTLE Scissors , curved, length 10.5 cm
791202	Scissors , curved, sharp/blunt, length 14.5 cm
535212	HALSTEAD "Mosquito" Artery Forceps , curved, length 12.5 cm
516015	Needle Holder , tungsten carbide inserts, length 15 cm
223100	PLESTER Round Knife , vertical, standard size 3.5 x 2.5 mm, length 16 cm
226810	Round Knife 45° , diameter 1 mm, length 16 cm
226101	FISCH Micro Raspatory , single curved to right, length 16 cm
226102	Same , left
223300	PLESTER Sickle Knife , double-edged, standard model, slightly curved, length 16 cm
223302	PLESTER Sickle Knife , double-edged, medium curved, length 16 cm
225204	Pick , 90°, size 0.4 mm, length 16 cm
225206	Same , size 0.6 mm
225208	Same , size 0.8 mm
225210	Same , size 1 mm
797114	Myrtle Leaf Probe , diameter 1.5 mm, length 14.5 cm
221201	FISCH Ear Forceps, dismantling , extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm
221200	FISCH Ear Forceps, dismantling , extra delicate, pointed, serrated, 1 x 4.5 mm, working length 8 cm
221100	HARTMANN Ear Forceps, dismantling , extra delicate, serrated, 1 x 4.5 mm, working length 8 cm
222600	BELLUCCI Scissors, dismantling , delicate standard model, cutting length 8 mm, working length 8 cm
222801	FISCH-DIETER Malleus Nipper, dismantling , extra delicate, upbiting, width 0.8 mm, working length 8 cm
221406	WULLSTEIN Ear Forceps, dismantling , extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm
221409	Same , 0.9 mm
844116	Bipolar Coagulation Forceps , insulated, bayonet-shaped, pointed, length 16 cm
844219	Bipolar Coagulation Forceps , insulated, bayonet-shaped, blunt, tip 1 mm, length 19 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
231008	Preparation Plate , glass, 10 x 8 cm

Ear Microsurgery

Scissors



- 213111 **Scissors**, angled, very delicate, sharp/sharp, length 11 cm
- 213200 **Scissors**, curved, sharp/blunt, length 12 cm
- 213314 **WULLSTEIN Scissors**, curved, sharp/sharp, length 14 cm
- 213410 **FISCH Scissors**, extra delicate, curved, sharp/sharp, length 10.5 cm
- 213411 **FISCH Scissors**, fine, curved, sharp/sharp, length 10.5 cm



- | | |
|----------|--|
| 213500 | Tissue Forceps , 1 x 2 teeth, length 11.5 cm |
| 214000 | WULLSTEIN Forceps , serrated, length 15 cm |
| 214000 F | Same , soft spring-action |
| 214200 | WULLSTEIN Forceps , 1 x 2 teeth, length 15 cm |
| 214500 | Jeweler Forceps , fine, pointed, length 11 cm |
| 214500 F | Same , soft spring-action |
| 214600 | DERLACKI Ossicle Holding Clamp , length 12 cm |

Ear Microsurgery

Raspatories, Elevators



169009



169014



169206



169311



169506

169009 **JANSEN Raspatory**, width 9 mm, length 19.5 cm

169014 **Same**, width 14 mm

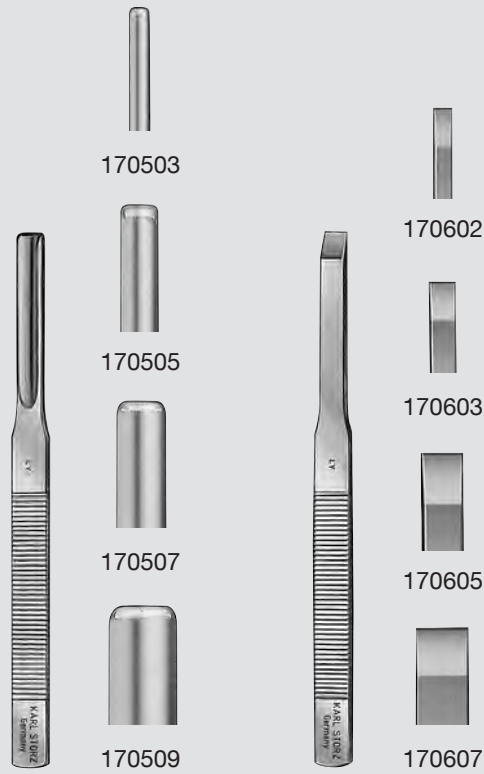
169206 **Raspatory**, ERLANGEN model, slightly curved, width 6 mm, length 17.5 cm

169311 **FARABEUF Raspatory**, width 11 mm, length 18 cm

169506 **WILLIGER Elevator**, width 5 mm, length 16 cm

Ear Microsurgery

Mastoid Gouges, Mastoid Chisels



- | | |
|--------|---|
| 170503 | TRAUTMANN Mastoid Gouge ,
width 3 mm, length 14 cm |
| 170505 | Same , width 5 mm |
| 170507 | Same , width 7 mm |
| 170509 | Same , width 9 mm |
| 170602 | TRAUTMANN Mastoid Chisel ,
width 2 mm, length 14 cm |
| 170603 | Same , width 3 mm |
| 170605 | Same , width 5 mm |
| 170607 | Same , width 7 mm |

Ear Microsurgery

Metal Mallets



- 174200 **COTTLE Metal Mallet**, length 18 cm
- 174426 **Metal Mallet**, medium model, diameter 26 mm, length 19.5 cm
- 174430 **Metal Mallet**, large model, diameter 30 mm, length 19.5 cm
- 174700 **Metal Mallet**, with plastic replacement head, small, lightweight model, length 18 cm
- 174800 **Metal Mallet**, with plastic replacement head, length 22.5 cm

Note:

Additional information on other metal mallet models is available from KARL STORZ on request.

Components/Spare Parts see chapter 13

Ear Microsurgery








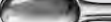





Mastoid Curettes



175840 –
175804



176040 –
176010

	175840	SPRATT Mastoid Curette, size 0000, length 16.5 cm
	175830	Same, size 000
	175820	Same, size 00
	175810	Same, size 0
	175801	SPRATT Mastoid Curette, size 1, length 16.5 cm
	175802	Same, size 2
	175803	Same, size 3
	175804	Same, size 4
	176040	LEMPERT Mastoid Curette, size 0000, length 21 cm
	176030	Same, size 000
	176020	Same, size 00
	176010	Same, size 0
	176001	Same, size 1

Note:

Additional information on other mastoid curette sizes is available from KARL STORZ on request.

Ear Microsurgery

Raspatories, Rasp



211804

212000

212803

212807

213008

213011

521410

- 211804 FISCH **Dual Purpose Scalpel Handle**, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm
- 212000 WULLSTEIN **Raspatory**, length 18 cm
- 212803 LEMPERT **Raspatory**, width 3 mm, length 19 cm
- 212807 LEMPERT **Raspatory**, curved, width 7 mm, length 18 cm
- 213008 PLESTER **Raspatory**, width 8 mm, length 18 cm
- 213011 FISCH **Raspatory**, width 10 mm, length 16 cm
- 521410 RAUNIG **Rasp**, diamond coated, rasp blade 6 x 10 mm, length 16.5 cm

Ear Microsurgery

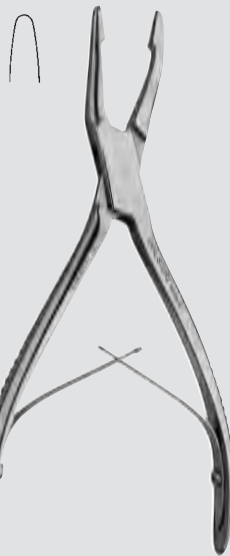
Rongeurs



200400



200600



201000



489044

200400 **BEYER Rongeur**, slender, curved, length 17 cm

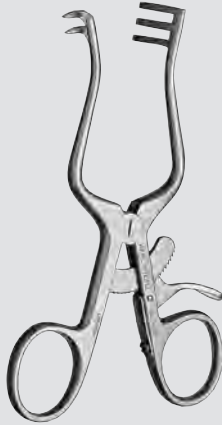
200600 **LEMPERT Rongeur**, slender, straight, length 15.5 cm

201000 **JANSEN Rongeur**, bayonet-shaped, length 17 cm

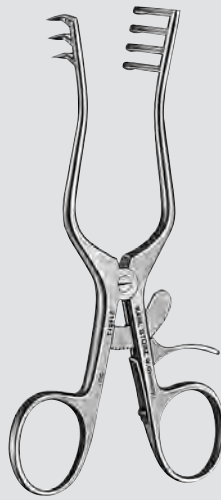
489044 **LUER-RUSKIN Rongeur**, with double joint, curved, 2 mm, length 15 cm

Ear Microsurgery

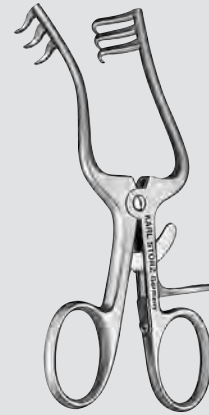
Retractors



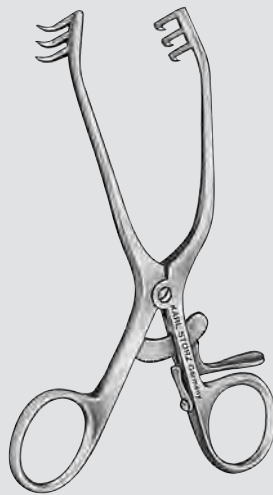
214811



214813
214816



219511
219513



219613



219714 K

214811 WEITLANER **Retractor**, 2 x 3 prongs, blunt, length 11 cm

214813 WEITLANER **Retractor**, 3 x 4 prongs, sharp, length 13 cm

214816 **Same**, length 16 cm

219511 WULLSTEIN **Retractor**, 3 x 3 prongs, length 11 cm

219513 **Same**, length 13 cm

219613 BELLUCCI **Retractor**, 3 x 3 prongs, length 13 cm

219714 K DALCHOW **Retractor**, small model, 3 x 3 prongs, sharp, with adjustable swivel arms, length 14 cm

Ear Microsurgery

Retractors



214920



219717
219717 B

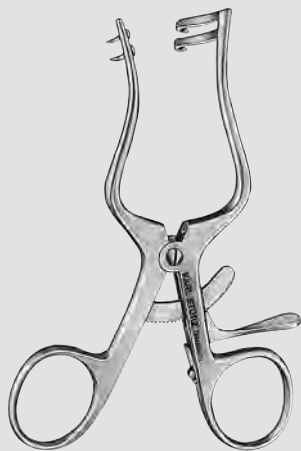


219724

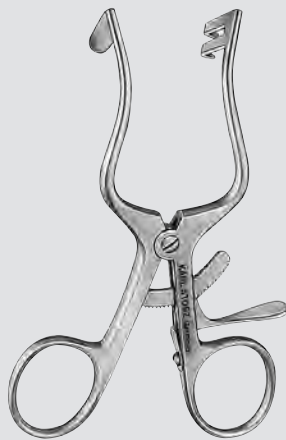
- 214920 **ANDERSON-ADSON Retractor**, 4 x 4 prongs, sharp, curved, length 20 cm
- 219717 **FISCH Retractor**, articulated, 3 x 3 prongs, semisharp, length 17 cm
- 219717 B **Same**, sharp
- 219724 **Retractor**, articulated, 3 x 4 prongs, sharp, length 24 cm

Ear Microsurgery

Retractors



220211 –
220213



220411



220511



220421



220521

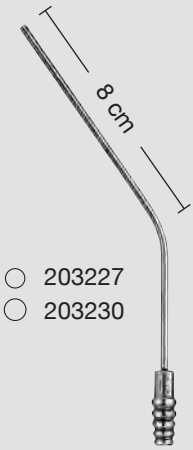


220700

- 220211 PLESTER **Retractor**, 2 x 2 prongs, length 11 cm
- 220211 K DALCHOW **Retractor**, small model, 2 x 2 prongs, length 11 cm
- 220213 FISCH **Retractor**, 2 x 2 prongs, length 13 cm
- 220411 PLESTER **Retractor**, 2 prongs on right, left full blade, length 11 cm
- 220421 PLESTER-HELMS **Retractor**, 2 prongs on right, full blade on left, with atraumatic teeth, length 11 cm
- 220511 PLESTER **Retractor**, 2 prongs on left, full blade on right, length 11 cm
- 220521 PLESTER-HELMS **Retractor**, 2 prongs on left, full blade on right, with atraumatic teeth, length 11 cm
- 220700 WILLIGER **Retractor**, 4 prongs, sharp, length 13 cm

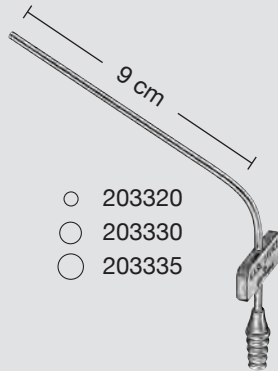
Ear Microsurgery

Suction Tubes



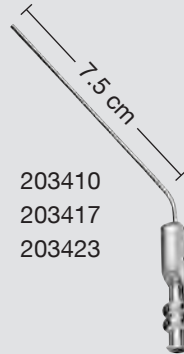
- 203227
- 203230

203227



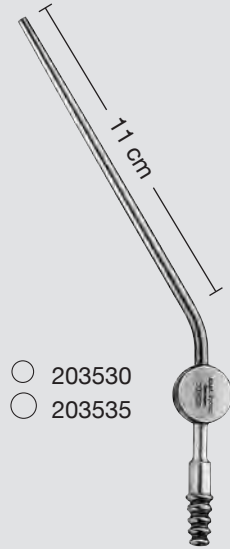
- 203320
- 203330
- 203335

203320



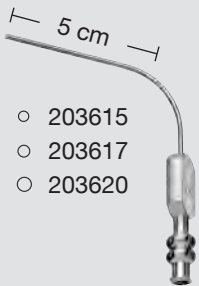
- 203410
- 203417
- 203423

203410 –
203423



- 203530
- 203535

203530



- 203615
- 203617
- 203620

203615 –
203620

203227

Suction Tube, angular, cylindrical, LUER, outer diameter 2.7 mm, working length 8 cm

203230

Same, outer diameter 3 mm

203320

Suction Tube, angular, with grip plate and cut-off hole, LUER, outer diameter 2 mm, working length 9 cm

203330

Same, outer diameter 3 mm

203335

Same, outer diameter 3.5 mm

203410

BARON Suction Tube, angular, with grip plate, cut-off hole and stylet, LUER-Lock, outer diameter 1 mm, working length 7.5 cm

203417

Same, outer diameter 1.7 mm

203423

Same, outer diameter 2.3 mm

203530

Suction Tube, angular, conical, LUER, with grip plate, outer diameter 3 mm, working length 11 cm

203535

Same, outer diameter 3.5 mm

203615

BARNES Suction Tube, with cut-off hole, LUER-Lock, outer diameter 1.5 mm, working length 5 cm

203617

Same, outer diameter 1.7 mm

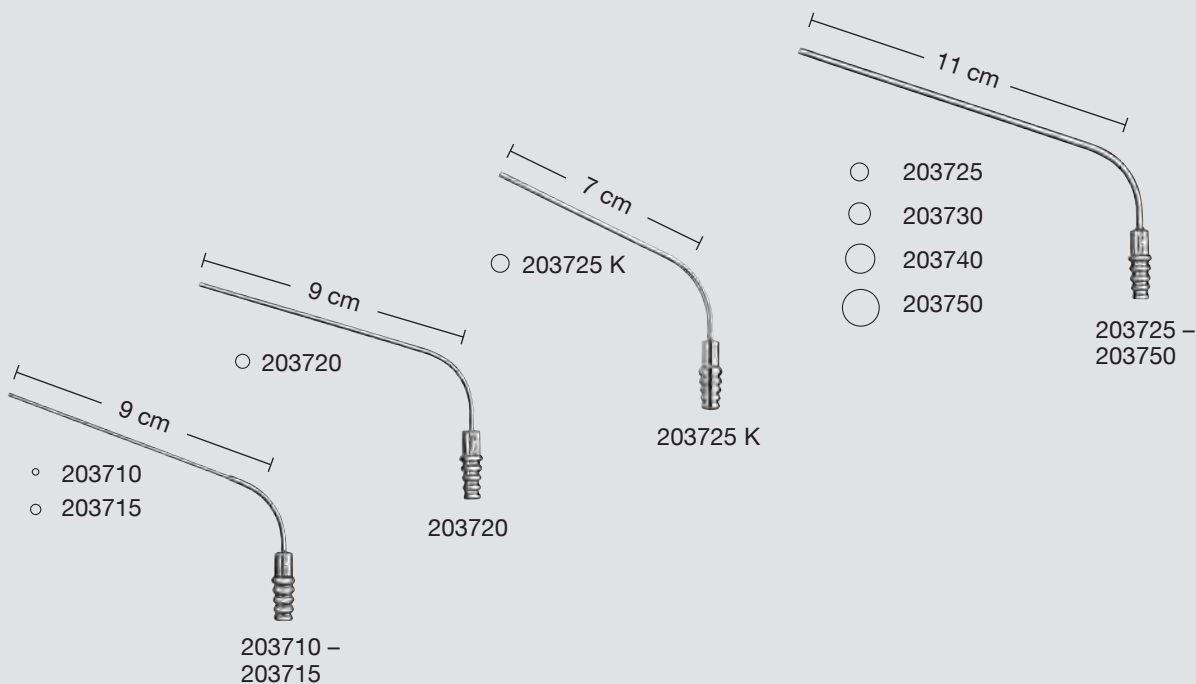
203620

Same, outer diameter 2 mm

Further Suction Tubes see chapter 4, pages 189-192

Ear Microsurgery

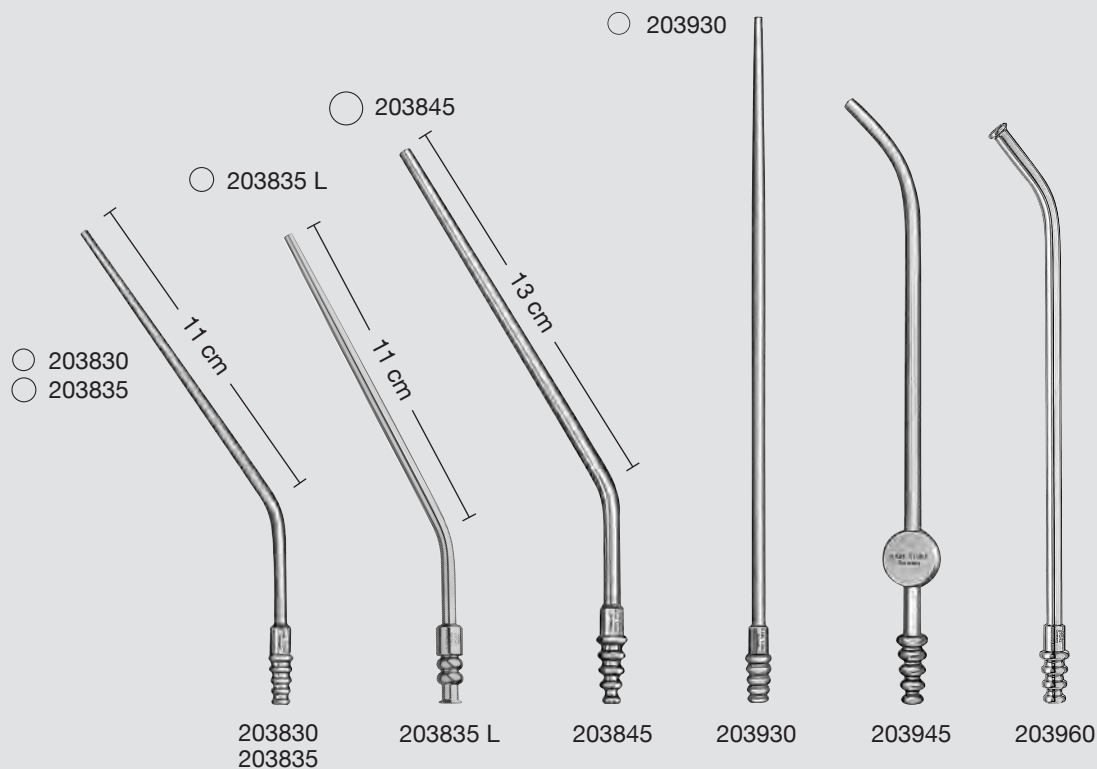
Suction Tubes



203710	Suction Tube , cylindrical, LUER, outer diameter 1 mm, working length 9 cm
203715	Same , outer diameter 1.5 mm
203720	Same , outer diameter 2 mm
203725 K	Suction Tube , cylindrical, LUER, outer diameter 2.5 mm, working length 7 cm
203725	Same , working length 11 cm
203730	Suction Tube , cylindrical, LUER, outer diameter 3 mm, working length 11 cm
203740	Same , outer diameter 4 mm
203750	Same , outer diameter 5 mm

Ear Microsurgery

Suction Tubes

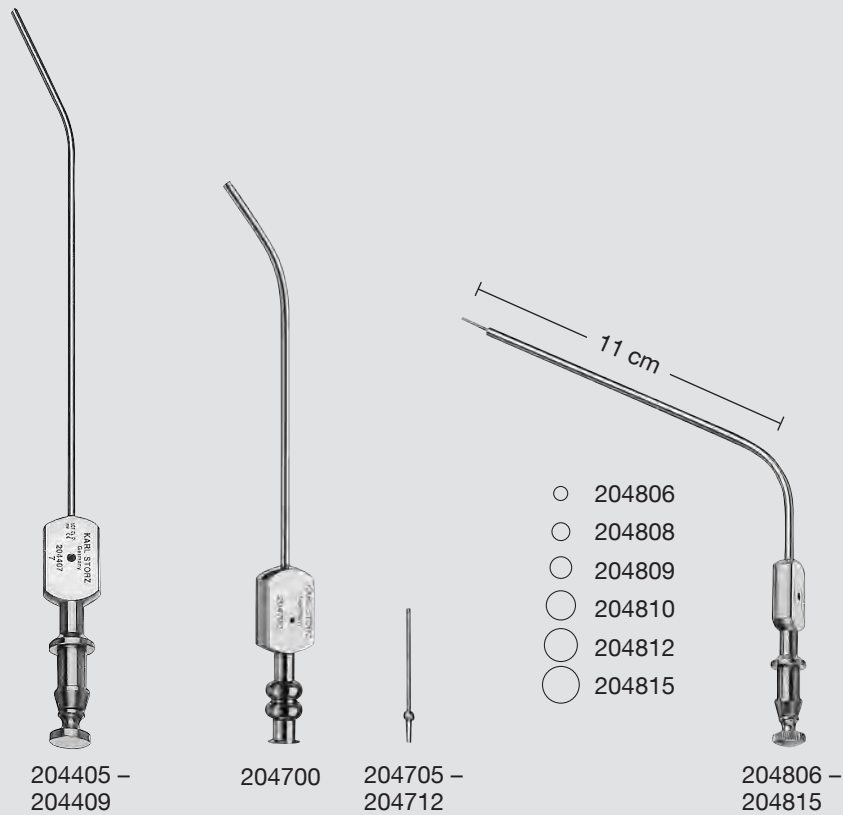


- 203830 **Suction Tube**, conical, LUER, outer diameter 3 mm, working length 11 cm
- 203835 **Same**, outer diameter 3.5 mm
- 203835 L **Suction Tube**, conical, LUER-Lock, outer diameter 3.5 mm,
working length 11 cm
- 203845 **Suction Tube**, conical, LUER, outer diameter 4.5 mm, working length 13 cm
- 203930 **Suction Tube**, malleable, LUER, outer diameter 3 mm, length 22.5 cm
- 203945 **Suction Tube**, curved, conical, outer diameter 4.5 mm, length 20 cm
- 203960 **Suction Tube**, curved, with olive, outer diameter 6 mm, length 19 cm

Further Suction Tubes see chapter 4, pages 189-192

Ear Microsurgery

Suction Tubes, Suction Tips



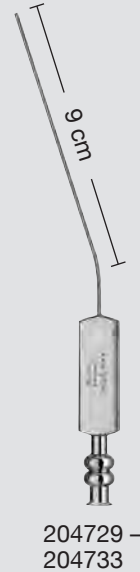
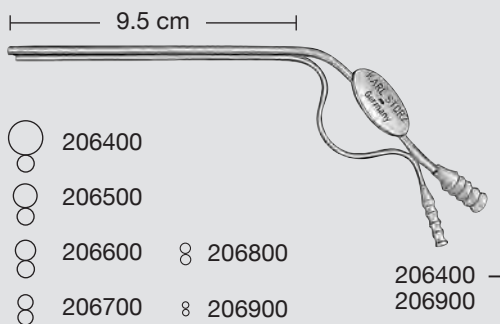
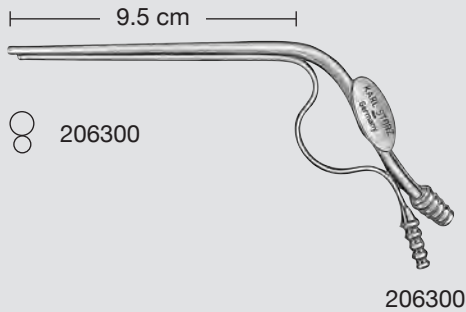
- 204405 PLESTER **Suction Tube**, with grip plate, cut-off hole and stylet, LUER, 5 Fr., length 18 cm
- 204407 **Same**, 7 Fr.
- 204408 **Same**, 8 Fr.
- 204409 **Same**, 9 Fr.
- 204700 ZÖLLNER **Suction Tube**, LUER-Lock, outer diameter 2.5 mm, length 13 cm
- 204705 **Suction Tip**, for 204700, outer diameter 0.5 mm, length 4 cm
- 204707 **Same**, outer diameter 0.7 mm
- 204709 **Same**, outer diameter 0.9 mm
- 204712 **Same**, outer diameter 1.2 mm

- 204806 FERGUSON **Suction Tube**, with cut-off hole and stylet, LUER, 6 Fr., working length 11 cm
- 204808 **Same**, 8 Fr.
- 204809 **Same**, 9 Fr.
- 204810 **Same**, 10 Fr.
- 204812 **Same**, 12 Fr.
- 204815 **Same**, 15 Fr.

Further Suction Tubes see chapter 4, pages 189-192
Components/Spare Parts see chapter 13

Ear Microsurgery

Suction and Irrigation Tubes

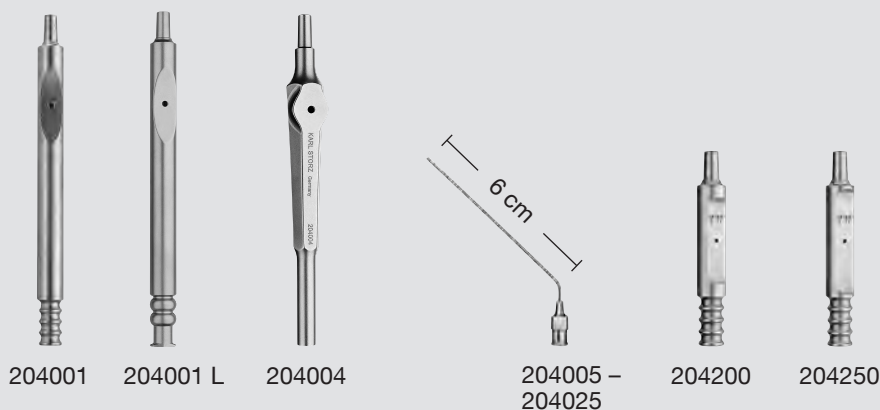


206300	FISCH Suction and Irrigation Tube , conical, suction tube outer diameter 3.2 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm	204729	FISCH Suction Tube , angular, with grip plate, outer diameter 1.2 mm, working length 9 cm
		204730	Same , outer diameter 1.5 mm
		204732	Same , outer diameter 2 mm
		204733	Same , outer diameter 2.2 mm
206400	FISCH Suction and Irrigation Tube , cylindrical, suction tube outer diameter 4.5 mm, irrigation tube outer diameter 2 mm, working length 9.5 cm		
206500	Same , suction tube outer diameter 3 mm, irrigation tube outer diameter 2 mm		
206600	Same , suction tube outer diameter 2.5 mm, irrigation tube outer diameter 2 mm		
206700	Same , suction tube outer diameter 1.9 mm, irrigation tube outer diameter 1.9 mm		
206800	Same , suction tube outer diameter 1.5 mm, irrigation tube outer diameter 1.5 mm		
206900	Same , suction tube outer diameter 1 mm, irrigation tube outer diameter 1 mm		

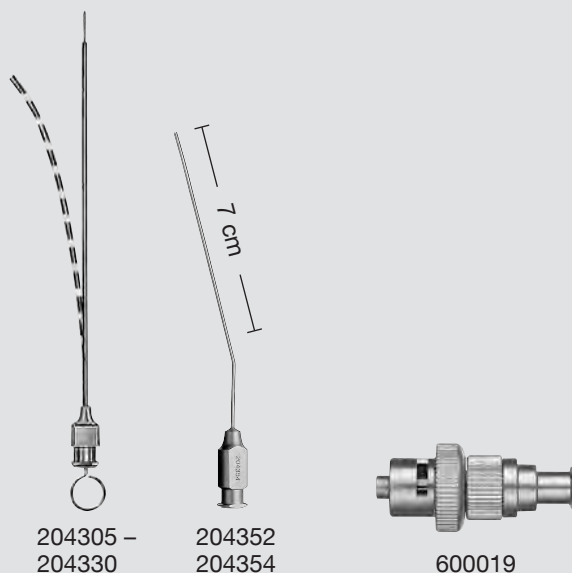
Further Suction Tubes see chapter 4, pages 189-192

Ear Microsurgery

Suction Handles, Suction Tubes



- 204001 **Suction Handle**, with cut-off hole, LUER cone, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330
- NEW** 204001 L **Suction Handle**, with cut-off hole, LUER-Lock, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330
- 204004 **WULLSTEIN Suction Handle**, with cut-off hole, LUER cone, length 10 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330
- 204005 **Suction Tube**, angular, LUER-Lock, outer diameter 0.5 mm, working length 6 cm
- 204007 **Same**, outer diameter 0.7 mm
- 204008 **Same**, outer diameter 0.8 mm
- 204010 **Same**, outer diameter 1 mm
- 204013 **Same**, outer diameter 1.3 mm
- 204015 **Same**, outer diameter 1.5 mm
- 204020 **Same**, outer diameter 2 mm
- 204025 **Same**, outer diameter 2.5 mm
- 204200 **FISCH Suction Handle**, with cut-off hole, LUER cone, length 5.5 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330
- 204250 **FISCH Suction Handle**, with long thumb grip, cut-off hole diameter 1 mm, inner diameter 1.7 mm, LUER cone, length 5.5 cm, for use with Suction Tubes 204352 – 204354



204305	Suction Tube , straight, LUER-Lock, malleable, outer diameter 0.5 mm, length 10 cm
204307	Same , outer diameter 0.7 mm
204310	Same , outer diameter 1 mm
204313	Same , outer diameter 1.3 mm
204315	Same , outer diameter 1.5 mm
204320	Same , outer diameter 2 mm
204325	Same , outer diameter 2.5 mm
204330	Same , outer diameter 3 mm
204352	Suction Tube , angular, malleable, LUER-Lock, outer diameter 0.7 mm, working length 7 cm, for use with Handle 204250
204354	Same , outer diameter 1 mm
600019	LUER Cone Connector , male, rotating

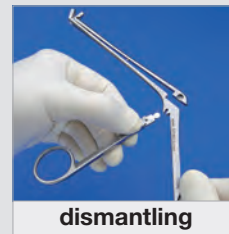
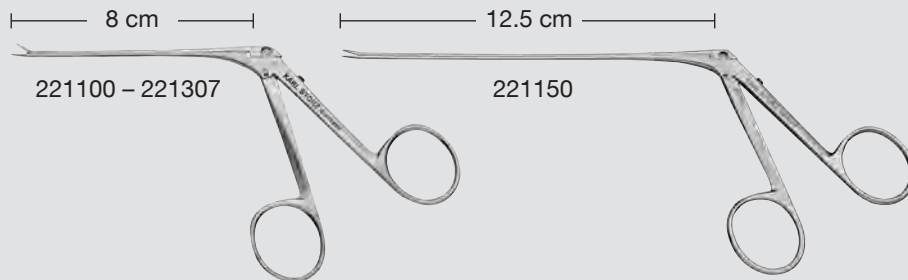
Further Suction Tubes see chapter 4, pages 189-192

Ear Microsurgery

Ear Forceps



Ear Forceps, working lengths 8 cm and 12.5 cm, dismantling



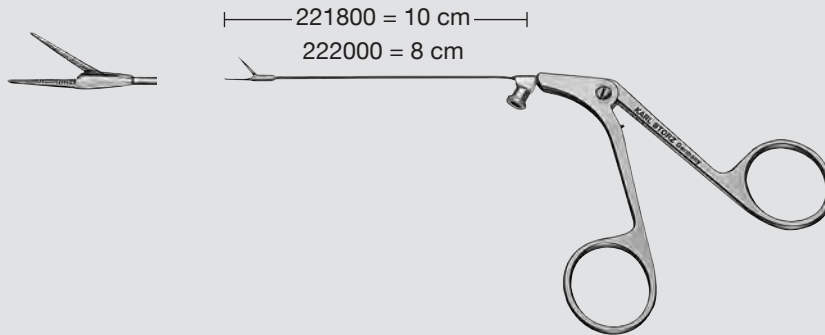
	221100	HARTMANN Ear Forceps, dismantling, extra delicate, serrated, 1 x 4.5 mm, working length 8 cm
	221150	Same, working length 12.5 cm
	221105	FISCH-HARTMANN Ear Forceps, dismantling, delicate, serrated, 1.2 x 8 mm, working length 8 cm
	221110	FISCH-HARTMANN Ear Forceps, dismantling, extra delicate, smooth, 1 x 4.5 mm, working length 8 cm
	221111	FISCH Ear Forceps, dismantling, extra delicate, smooth, 0.4 x 3.5 mm, working length 8 cm
	221111 FN	Same, with black coating
	221112	FISCH Ear Forceps, dismantling, straight, with spring, smooth, 4 mm, working length 8 cm
	221200	FISCH Ear Forceps, dismantling, extra delicate, pointed, serrated, 1 x 4.5 mm, working length 8 cm
	221201	FISCH Ear Forceps, dismantling, extra delicate, serrated, 0.4 x 3.5 mm, working length 8 cm
	221304	Ear Forceps, dismantling, extra delicate, serrated, curved to right, working length 8 cm
	221305	Same, curved to left
	221307	Same, curved upwards

Ear Microsurgery

Ear Forceps



Ear Forceps, working lengths 8 cm and 10 cm, with cleaning connector



with cleaning connector



221800

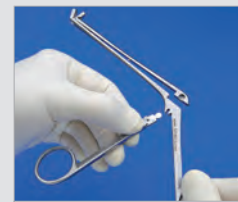
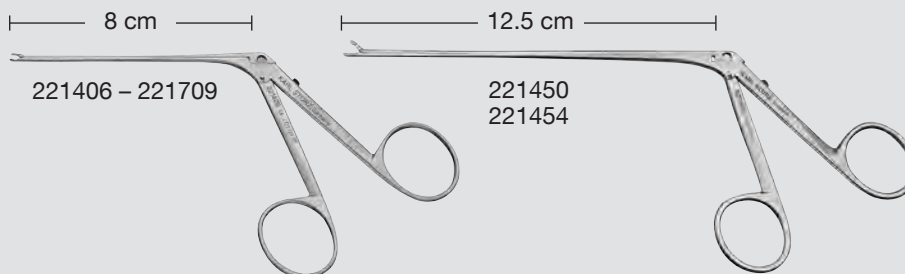
HEERMANN Ear Forceps, straight, with cleaning connector, working length 10 cm



222000

Same, extra delicate, working length 8 cm

Ear Forceps, working lengths 8 cm, 10 cm and 12.5 cm, dismantling



dismantling



221406

WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, working length 8 cm



221406 F

FISCH Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.6 mm, with thin sheath, working length 8 cm



221406 FN

Same, with black coating



221409

WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, 0.9 mm, working length 8 cm



221450

WULLSTEIN Ear Forceps, dismantling, extra delicate, round cupped jaws, diameter 1 mm, working length 12.5 cm



221454

FISCH Ear Forceps, dismantling, round cupped jaws, diameter 3 mm, working length 12.5 cm



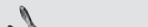
221509

WULLSTEIN Ear Forceps, dismantling, extra delicate, oval cupped jaws, curved to right, 0.9 mm, working length 8 cm



221609

Same, curved to left



221709

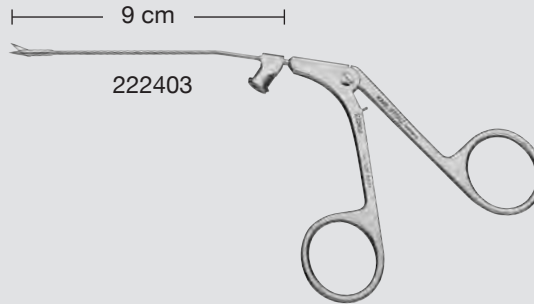
Same, curved upwards

Ear Microsurgery

Scissors



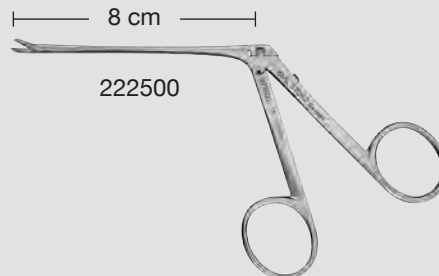
Scissors, working lengths 8 cm and 9 cm



with cleaning connector

- | | | |
|--|--------|--|
| | 222401 | WULLSTEIN Scissors , delicate, straight, with cleaning connector, working length 9 cm |
| | 222402 | Same , curved upwards |
| | 222403 | Same , curved to left |
| | 222404 | Same , curved to right |
| | 222405 | WULLSTEIN Scissors , extra delicate, straight, with cleaning connector, working length 8 cm |

Scissors and Micro Scissors, working length 8 cm, dismantling



dismantling

- | | | |
|--|----------|--|
| | 222500 | BELLUCCI Scissors, dismantling , cutting length 8 mm, working length 8 cm |
| | 222501 | FISCH-BELLUCCI Scissors, dismantling , extra fine blade, cutting length 7 mm, working length 8 cm |
| | 222600 | BELLUCCI Scissors, dismantling , delicate standard model, cutting length 8 mm, working length 8 cm |
| | 222601 | FISCH-BELLUCCI Micro Ear Scissors, dismantling , beaked scissors blades, cutting length 7 mm, working length 8 cm |
| | 222602 | HOUSE-BELLUCCI Scissors, dismantling , extra delicate, working length 8 cm |
| | 222604 R | BELLUCCI Scissors, dismantling , delicate, curved to right, rounded, working length 8 cm |
| | 222605 L | Same , curved to left |

Ear Microsurgery

Scissors, Micro Scissors



Scissors and Micro Scissors, working lengths 8 cm and 12.5 cm, dismantling



dismantling



222603

FISCH-BELLUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, working length 8 cm



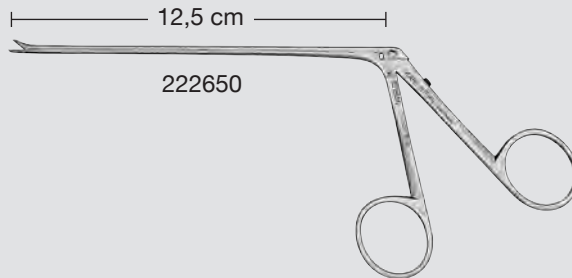
222606

Same, with thin shaft



222606 N

FISCH-BELLUCCI Micro Scissors, dismantling, extra delicate scissor blades, cutting length 3 mm, with black coating, with thin shaft, working length 8 cm



222650

BELLUCCI Scissors, dismantling, delicate, straight, working length 12.5 cm

Scissors, working length 7.5 cm, dismantling



222710

FISCH Scissors, dismantling, for crurotomy, curved to right, working length 7.5 cm



222720

Same, curved to left

Ear Microsurgery

Malleus Nippers, Instrument Guard



Malleus Nippers, working length 8 cm, dismantling



dismantling



222800

HOUSE-DIETER Malleus Nipper, dismantling,
upbiting, working length 8 cm



222900

Same, downbiting



222801

FISCH-DIETER Malleus Nipper, dismantling, extra
delicate, upbiting, width 0.8 mm, working length 8 cm



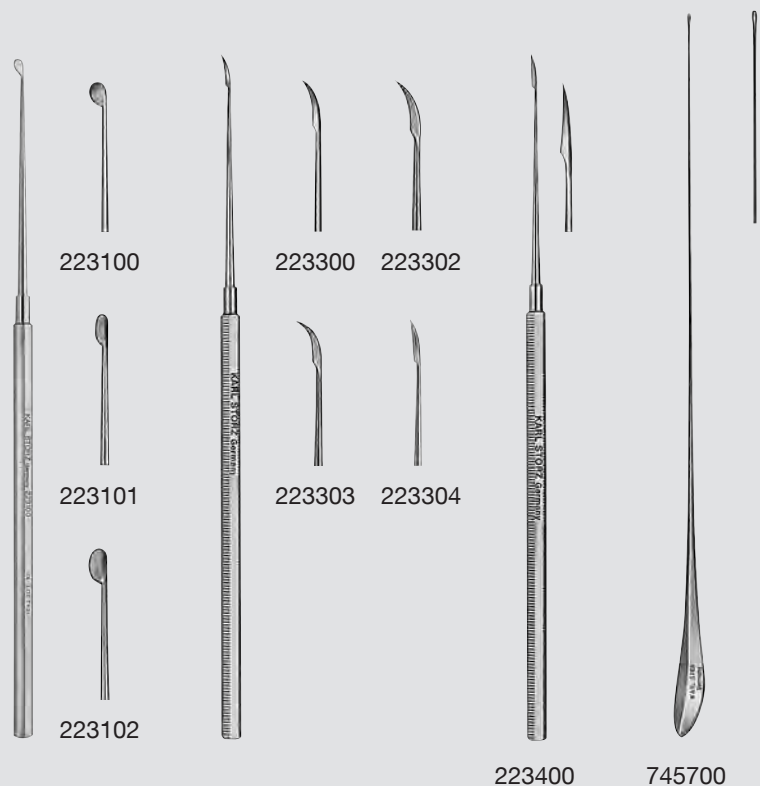
223000

223000

Instrument Guard, Teflon, autoclavable,
for micro forceps and micro scissors with
working length 8 cm, length 11.5 cm

Ear Microsurgery

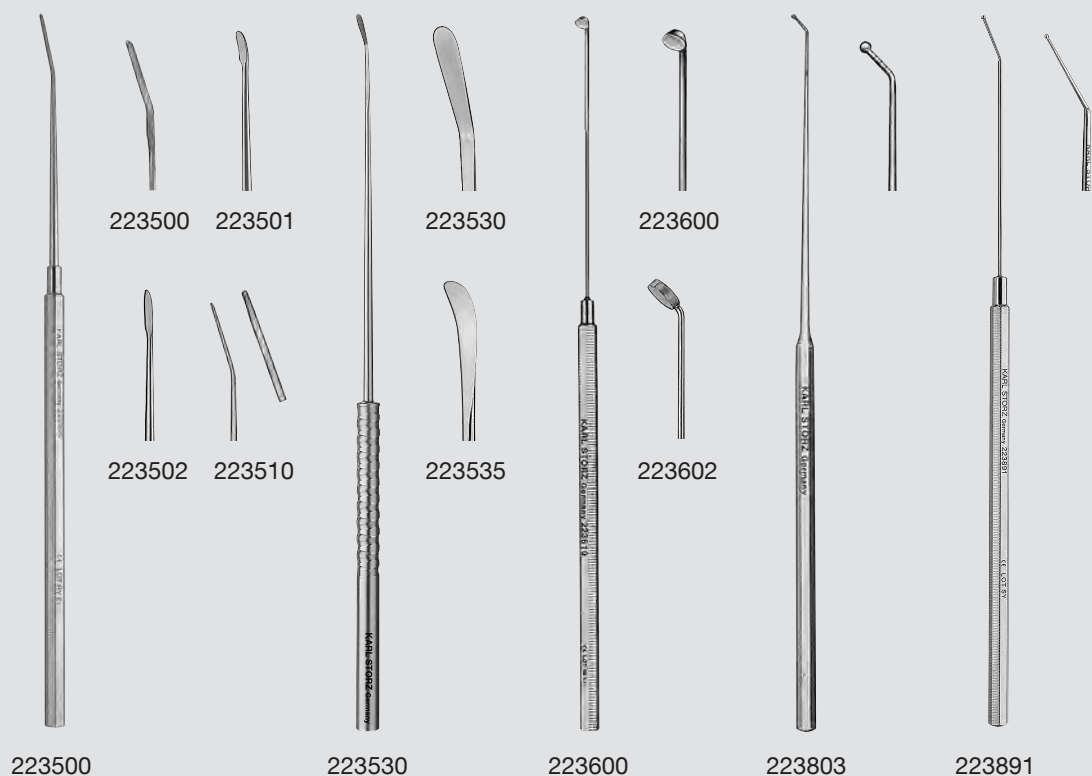
Knives, Salivary Duct Probe



- 223100 PLESTER **Round Knife**, vertical, standard size 3.5 x 2.5 mm, length 16 cm
- 223101 **Same**, medium 4 x 2 mm
- 223102 **Same**, large 4.5 x 2.5 mm
- 223300 PLESTER **Sickle Knife**, double-edged, standard model, slightly curved, length 16 cm
- 223302 **Same**, medium curved
- 223303 **Same**, strongly curved
- 223304 **Same**, extra delicate, slightly curved
- 223400 KLEY **Footplate Knife**, length 16 cm
- 745700 SEIFFERT **Salivary Duct Probe**, silver, extra delicate, diameter 0.5 mm, length 18 cm

Ear Microsurgery

Elevators, Dissectors, Mirrors, Seekers



- 223500 ROSEN **Elevator**, tip angled 15°, 12 mm long, width 1.5 mm, length 16 cm
- 223501 BEALES **Elevator**, curved, width 1.5 mm, length 16 cm
- 223502 HUGHES **Elevator**, curved, width 0.7 mm, length 16 cm
- 223510 HOUSE **Elevator**, tip angled 15°, 12 mm long, width 1 mm, length 16 cm
- 223530 BEHRBOHM **Dissector**, for dissection in the region of the paranasal sinuses, skull base and petrous bone, sharp, long flat spatula, tip angled 15°, with round handle, size 2 mm, length 17 cm
- 223535 BEHRBOHM **Dissector**, for dissection in the region of the paranasal sinuses, skull base and petrous bone, sharp, slightly curved spatula, straight, with round handle, size 3 mm, length 17 cm
- 223600 **Tympanic Mirror**, REGENSBURG model, stainless steel, diameter 3 mm, length 16 cm
- 223602 **Micro Mirror**, metal, stainless steel, diameter 5 mm, length 16 cm
- 223803 **Seeker**, with ball end, angled 45°, size 3, length 15.5 cm
- 223891 **Seeker**, extra delicate, angled 25°, with ball end diameter 1 mm, length 16 cm

Ear Microsurgery

Micro Raspatories, Dissectors, Tenotome



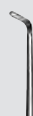
226001



226001



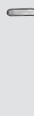
226002



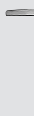
226101



226102



226111



226112

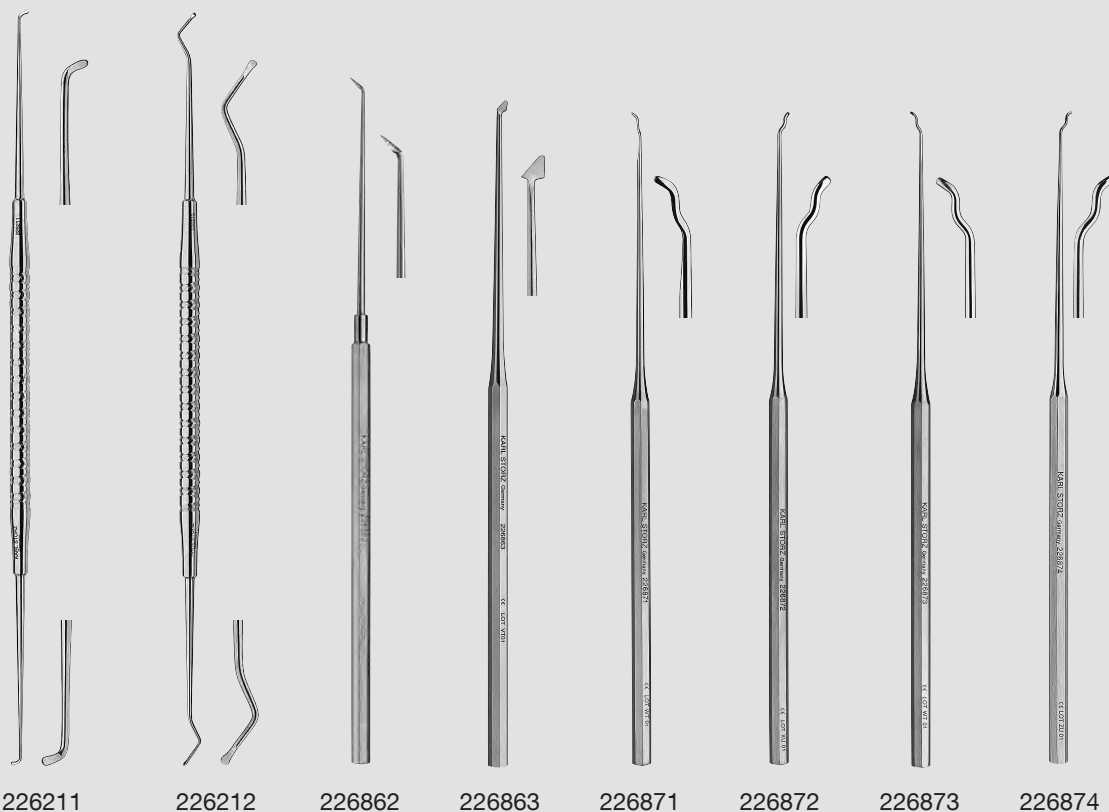


226301

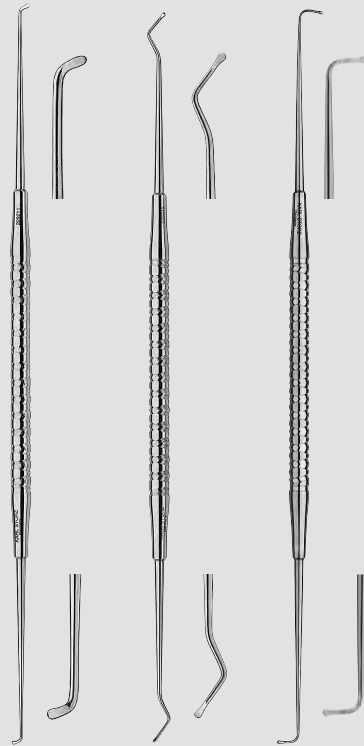
- 226001 FISCH **Micro Raspatory**, double curved to right, length 16 cm
- 226002 **Same**, left
- 226101 FISCH **Micro Raspatory**, single curved to right, length 16 cm
- 226102 **Same**, left
- 226111 CRABTREE **Dissector**, 90°, flat, distal width 0.5 mm, distal length 1.5 mm, length 16 cm
- 226112 **Same**, distal length 2.5 mm
- 226301 FISCH **Tenotome**, sickle-shaped, extra delicate, length 16 cm

Ear Microsurgery

Dissectors, Knives



- 226211 THOMASSIN **Dissector**, double-ended, distal tips with single curve to right or to left, length 18 cm
- 226212 THOMASSIN **Dissector**, double-ended, distal tips with double curve to right or to left, length 18 cm
- 226862 HOUSE **Lancet Knife**, triangular, rounded tip angled upwards 45°, size 2 x 3 mm, length 16 cm
- 226863 ROSEN **Lancet Knife**, triangular, rounded tip angled upwards 45°, size 3 x 3 mm, length 15.5 cm
- 226871 WHIRLY-BIRD **Knife**, sharp, strongly curved to right, size 1 x 5 mm, length 15 cm
- 226872 **Same**, strongly curved to left
- 226873 WHIRLY-BIRD **Knife**, sharp, slightly curved to right, size 0.75 x 5 mm, length 15 cm
- 226874 **Same**, slightly curved to left



226211

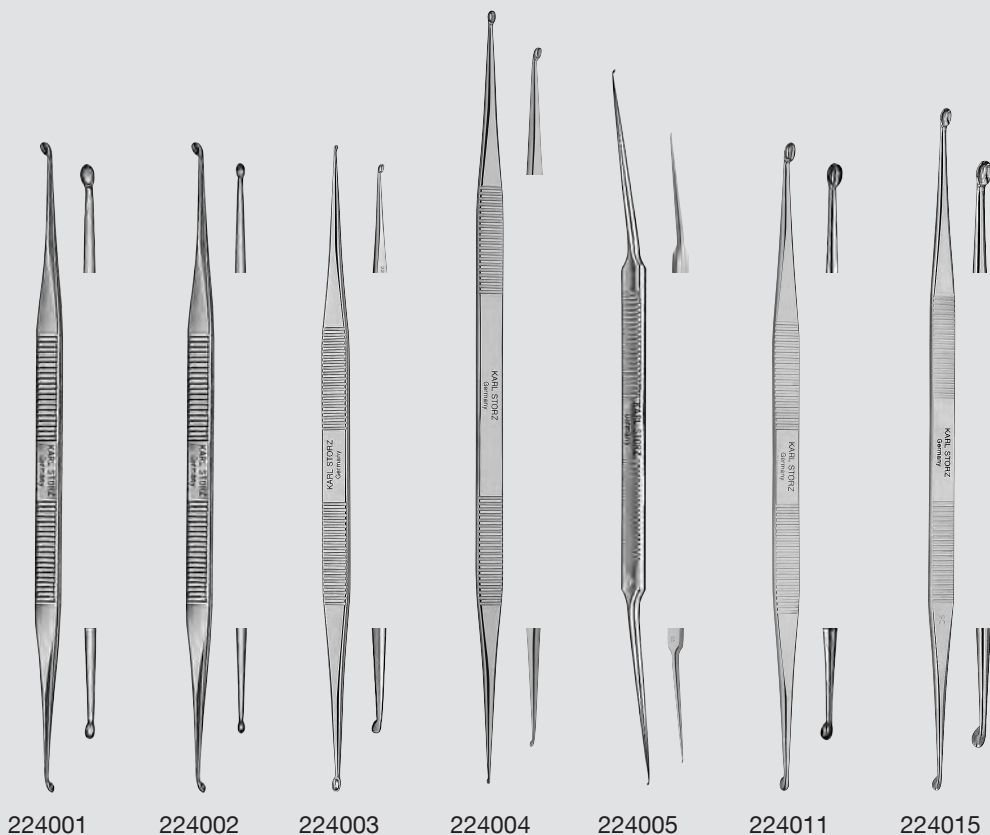
226212

226213

- 226211 **THOMASSIN Dissector**, double-ended, distal tips with single curve to right or to left, length 18 cm
- 226212 **Same**, tips with double curve to right or left
- 226213 **Same**, tips angled 90° to right or left

Ear Microsurgery

Double Curettes



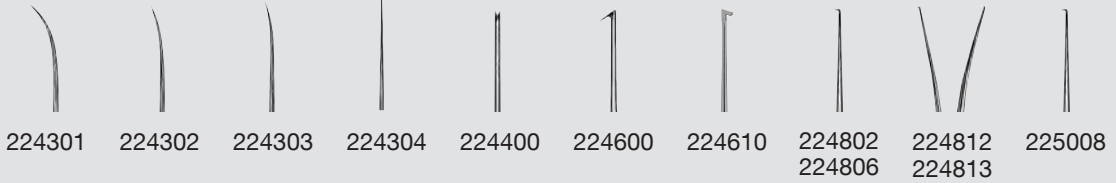
- 224001 HOUSE **Double Curette**, large, spoon sizes 2 x 3.2 mm and 1.6 x 2.6 mm, length 15 cm
- 224002 **Same**, small, spoon sizes 1 x 1.6 mm and 1.3 x 2 mm
- 224003 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm
- 224004 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm
- 224005 HOUSE **Double Curette**, angular, extra small, spoon sizes 0.6 x 0.8 mm and 0.8 x 1 mm, length 17 cm
- 224011 HOUSE **Double Curette**, straight, extra large, spoon sizes 2.3 x 3.5 mm and 2.7 x 4.3 mm, length 15 cm
- 224015 HOUSE-BABIGHIAN **Double Curette**, toothed, extra large, spoon sizes 2.4 x 3.4 mm and 2.6 x 4 mm, length 16 cm

Ear Microsurgery

Needles, Guiding Fork and Hooks



224301



- 224301 **WULLSTEIN Needle**, strong long curve, length 16.5 cm
- 224302 **Same**, medium curve
- 224303 **Same**, slight curve
- 224304 **Same**, straight
- 224400 **PLESTER Guiding Fork**, length 15.5 cm
- 224600 **PLESTER Hook**, retrograde, 2 mm, length 15.5 cm
- 224610 **Hook**, serrated, retrograde, to abrade the underside of the tympanic membrane, 2 mm, length 16 cm
- 224802 **Footplate Hook**, 0.2 mm, length 16 cm
- 224806 **PLESTER Footplate Hook**, 0.6 mm, length 16 cm
- 224812 **FISCH Footplate Hook**, tip angled upwards 90°, 0.2 mm, length 16 cm
- 224813 **Same**, tip angled downwards
- 225008 **HEERMANN Hook**, reinforced, retrograde, 0.8 mm, length 16 cm



225202

- 225202 – 225250
Hook, 90°, length 16 cm
- 225202 0.2 mm
- 225204 0.4 mm
- 225205 0.5 mm
- 225206 0.6 mm
- 225208 0.8 mm
- 225210 1.0 mm
- 225212 1.2 mm
- 225215 1.5 mm
- 225220 2.0 mm
- 225225 2.5 mm
- 225230 3.0 mm
- 225240 4.0 mm
- 225250 5.0 mm

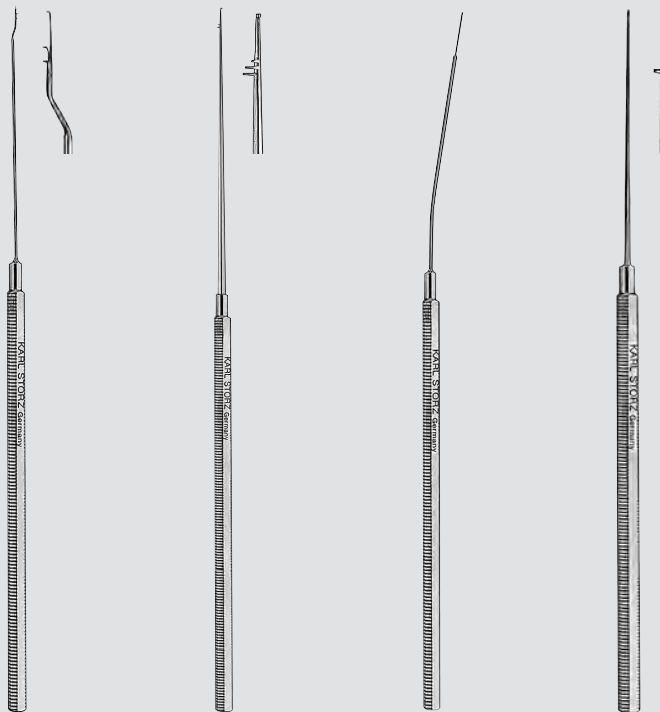


225415

- 225404 – 225425
Hook, 45°, length 16 cm
- 225404 0.4 mm
- 225405 0.5 mm
- 225406 0.6 mm
- 225408 0.8 mm
- 225410 1.0 mm
- 225415 1.5 mm
- 225420 2.0 mm
- 225425 2.5 mm

Ear Microsurgery

Measuring Rods, Protection Tube



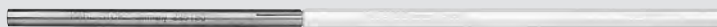
226500

226502

226514
226516

226540 –
226550

- 226500 **FISCH Measuring Rod**, marker pins at 3, 4 and 5 mm, length 16 cm
- 226502 **Measuring Rod**, for stapes prosthesis, straight, marker pins at 3.5, 4 and 4.5 mm, length 16 cm
- 226514 **FISCH Caliper**, angled shaft, diameter 0.4 mm, marker pin at 10 mm, length 16 cm
- 226516 **Same**, diameter 0.6 mm
- 226540 **HOUSE Caliper Strut**, for 4 mm distance, marker pin at 4 mm, length 16 cm
- 226545 **Same**, for 4.5 mm distance, marker pin at 4.5 mm
- 226550 **Same**, for 5 mm distance, marker pin at 5 mm

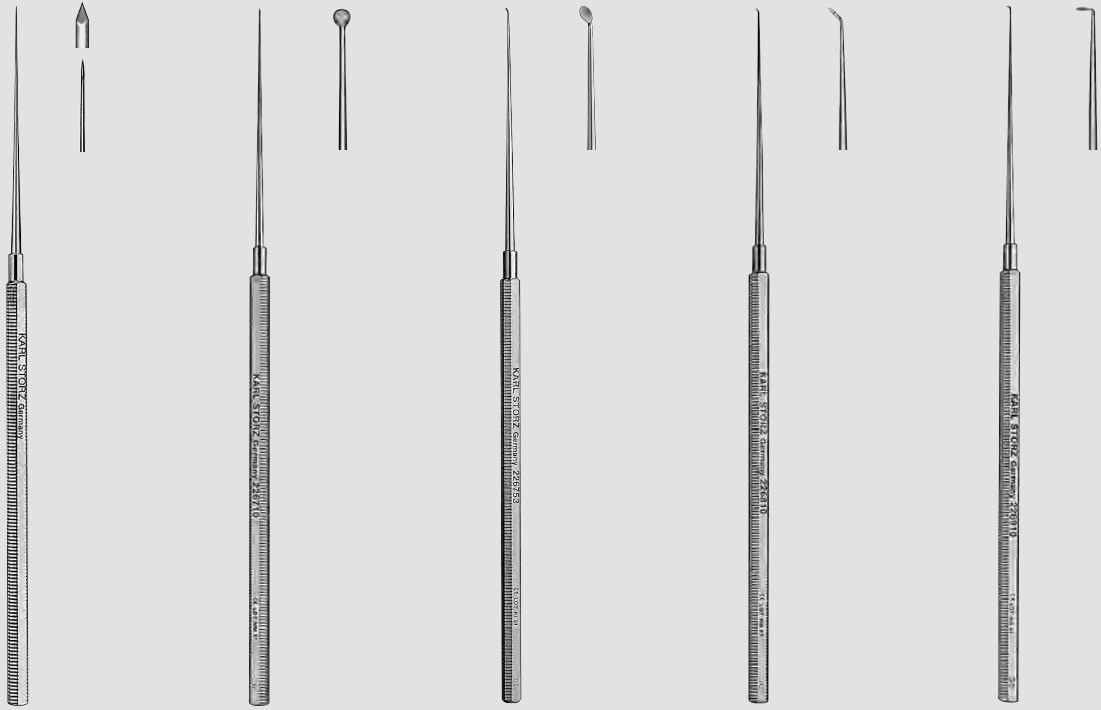


225150

- 225150 **Protection Tube**, metal, for straight ear micro instruments with octagonal handle, length 6 cm

Ear Microsurgery

Perforators, Round Knives



226600 –
226608

226715 –
226730

226753

226810 –
226835

226910 –
226925

226600 **FISCH Manual Perforator**,
diameter 0.3 mm, length 16 cm
226604 **Same**, diameter 0.4 mm
226605 **Same**, diameter 0.5 mm
226606 **Same**, diameter 0.6 mm
226607 **Perforator**, diameter 0.7 mm,
length 16 cm
226608 **Same**, diameter 0.8 mm

226715 **Round Knife 0°**, straight,
diameter 1.5 mm, length 16 cm
226720 **Same**, diameter 2 mm
226723 **Same**, diameter 2.3 mm
226725 **Same**, diameter 2.5 mm
226730 **Same**, diameter 3 mm

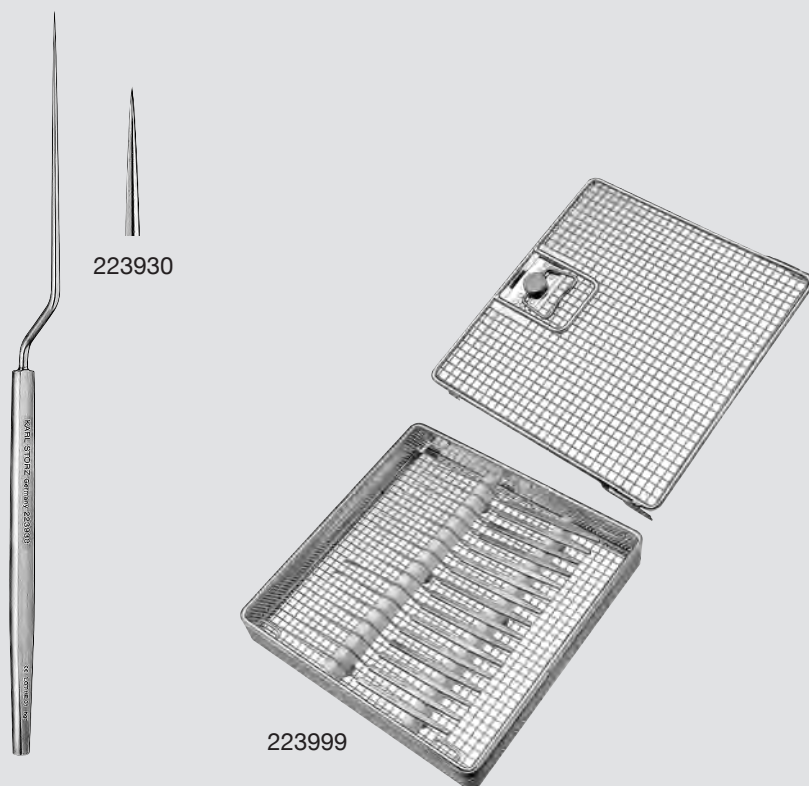
226753 **Round Knife 25°**,
diameter 1 mm, length 16 cm

226810 **Round Knife 45°**,
diameter 1 mm, length 16 cm
226815 **Same**, diameter 1.5 mm
226820 **Same**, diameter 2 mm
226823 **Same**, diameter 2.3 mm
226825 **Same**, diameter 2.5 mm
226830 **Same**, diameter 3 mm
226835 **Same**, diameter 3.5 mm

226910 **Round Knife 90°**,
diameter 1 mm, length 16 cm
226915 **Same**, diameter 1.5 mm
226920 **Same**, diameter 2 mm
226923 **Same**, diameter 2.3 mm
226925 **Same**, diameter 2.5 mm

Ear Microsurgery

Needle, Metal Tray



223930

Needle, bayonet-shaped, straight, length 18 cm

223999

Metal Tray, for the sterilization and storage of ear instruments, perforated, base with holder for 16 bayonet-shaped ear micro instruments, lid with silicone bridges, external dimensions (w x h x d): 250 x 240 x 40 mm

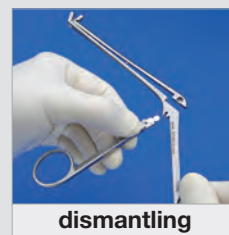
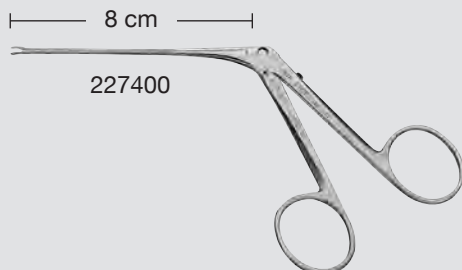
Please note: The instruments displayed are not included in the metal tray.

Ear Microsurgery

Wire Crimpers, Wire Cutter



Wire Crimper, working length 8 cm, dismantling



227400

McGEE Wire Crimper, dismantling,
straight, working length 8 cm



227401

FISCH-McGEE Wire Crimper, dismantling,
straight, working length 8 cm



227402

Same, curved to right



227403

Same, curved to left

Wire Cutter, working length 10 cm



227600

227600

GUILFORD-WRIGHT Wire Cutter, serrated,
length 10 cm



227900

227900

SHEA Vein Press, diameter 16 mm, length 13 cm

Ear Microsurgery

Prostheses and Accessories



231008



231009



231010



231011

231008 **Preparation Plate**, glass, 10 x 8 cm

231009 **Glass Cutting Board**, with square millimeter gradations (25 x 20 mm), 10 x 8 cm

231010 **Cutting Block**, plastic, white, 8 x 4 x 1 cm, **autoclavable**

231011 **Cutting Block**, Teflon, with grip plate, 20 x 15 x 1 cm

Ear Microsurgery

AL HAGR Retractor

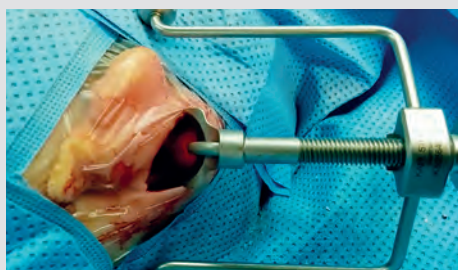
Special Features:

- Integrated light carrier for illumination of the surgical field
- Self-retaining design
- Allows the operating surgeon to use both hands (simultaneous drilling and suctioning), e.g., for cochlear implantations
- Matt surface finish
- Can be dismantled for cleaning and components can be replaced if damaged



233260

AL HAGR Retractor
including:
Fiber Optic Light Carrier
Retractor Arms
Retractor Blade
Light Connector
Fixation Wheel

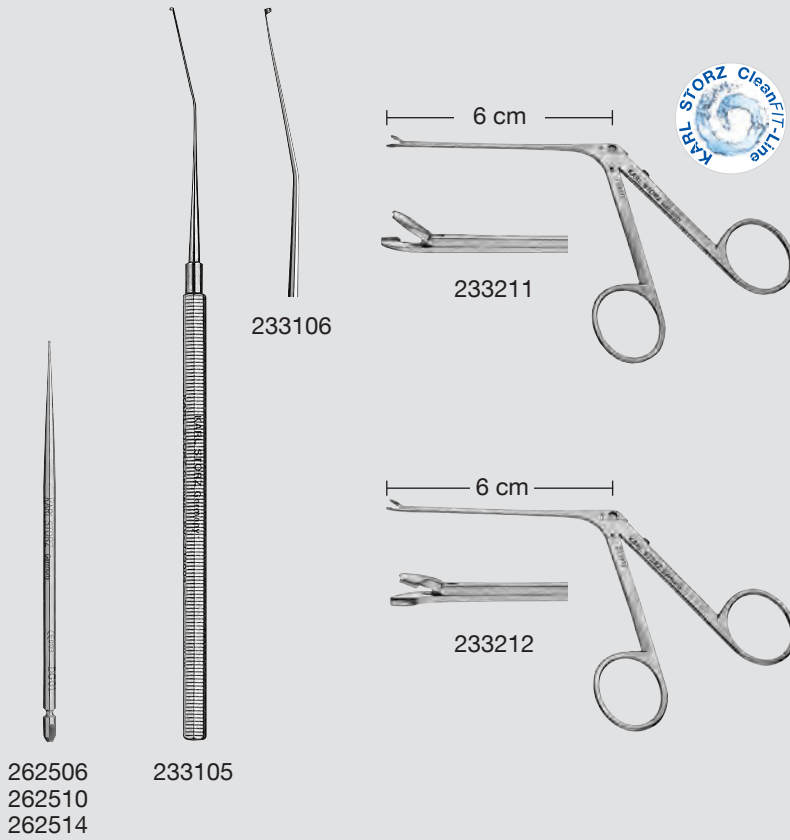


OR images courtesy of: *Al Hagr M.D.,
King Abdulaziz Hospital,
Riyadh, Saudi Arabia*

Ear Microsurgery

Micro Instruments for Cochlear Implantations

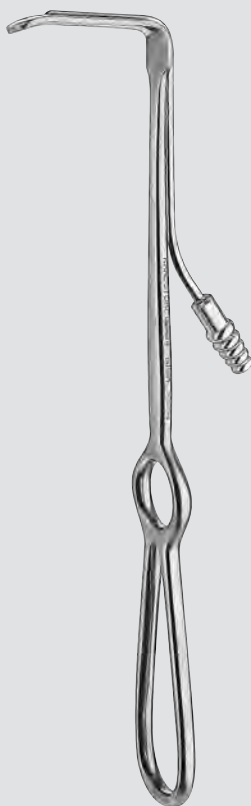
LENARZ Recommended Set



- 262506 **Diamond Burr**, shaft diameter 2.35 mm, diameter 0.6 mm, length 70 mm
- 262510 **Same**, diameter 1 mm
- 262514 **Same**, diameter 1.4 mm
- 233105 **Micro Instrument Guide**, for electrodes array, claw-shaped, tip angled upwards, length 16 cm
- 233106 **Same**, tip angled downwards
- 233211 **Forceps, dismantling**, for insertion of cochlear electrodes, nucleus 24 contour, curved to right, working length 6 cm
- 233212 **Same**, curved to left

Ear Microsurgery

Micro Instruments for Cochlear Implantations



801814

801814

LENARZ Retractor, 43 x 11 mm, slim and flat blade with integrated suction tube, length 21.5 cm

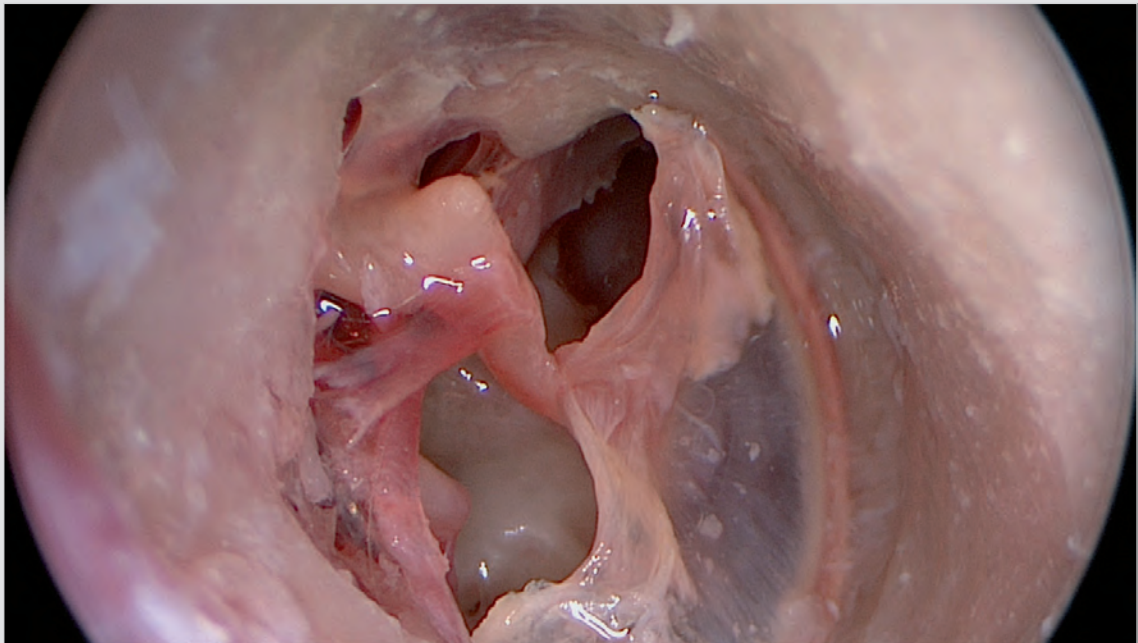
Motor Systems, see Chapter 8, UNITS AND ACCESSORIES, UNIDRIVE® SELECT

Endoscopic Middle Ear Surgery

There has been an increasing trend worldwide towards the use of the endoscope in middle ear surgery thanks to new advancements in instruments and enhanced visualization technologies. With angles ranging from 0° to 70°, the endoscope provides a much wider view of the middle ear than when using the microscope. The view through the microscope is limited by the narrow-

est segment of the ear canal and thus only a small part of the middle ear can be observed.

The curved instruments included in the set are able to facilitate access to previously unreachable anatomical structures and recesses. This favors a minimally invasive approach that lessens recovery time and reduces the risk of recurrence.

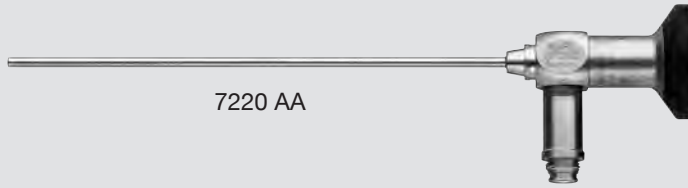


Endoscopic view of the middle ear with a view of the tympanum and the handle of malleus

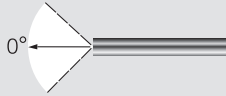
Endoscopic Middle Ear Surgery

HOPKINS® Telescopes

Telescopes recommended for middle ear surgery



7220 AA



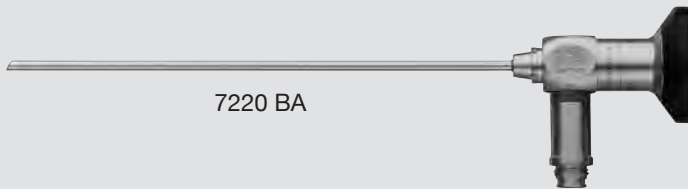
7220 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

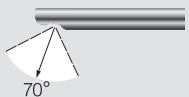
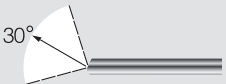
7220 FA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black

Further Telescopes



7220 BA



7220 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

7220 CA

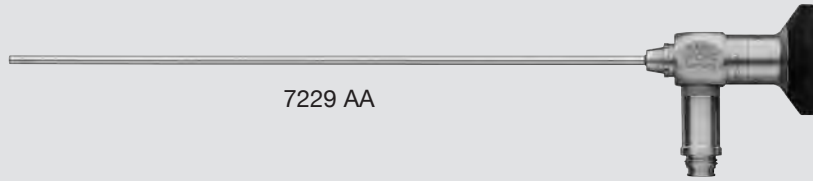
HOPKINS® Lateral Telescope 70°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Components/Spare Parts see chapter 13

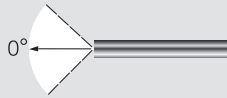
Endoscopic Middle Ear Surgery

HOPKINS® Telescopes

Telescopes recommended for middle ear surgery

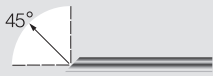


7229 AA



7229 AA

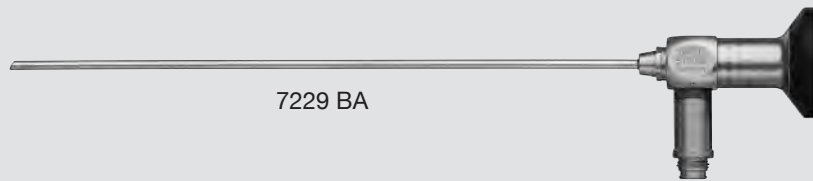
HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7229 FA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black

Further Telescopes

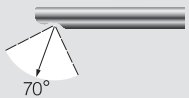


7229 BA



7229 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



7229 CA

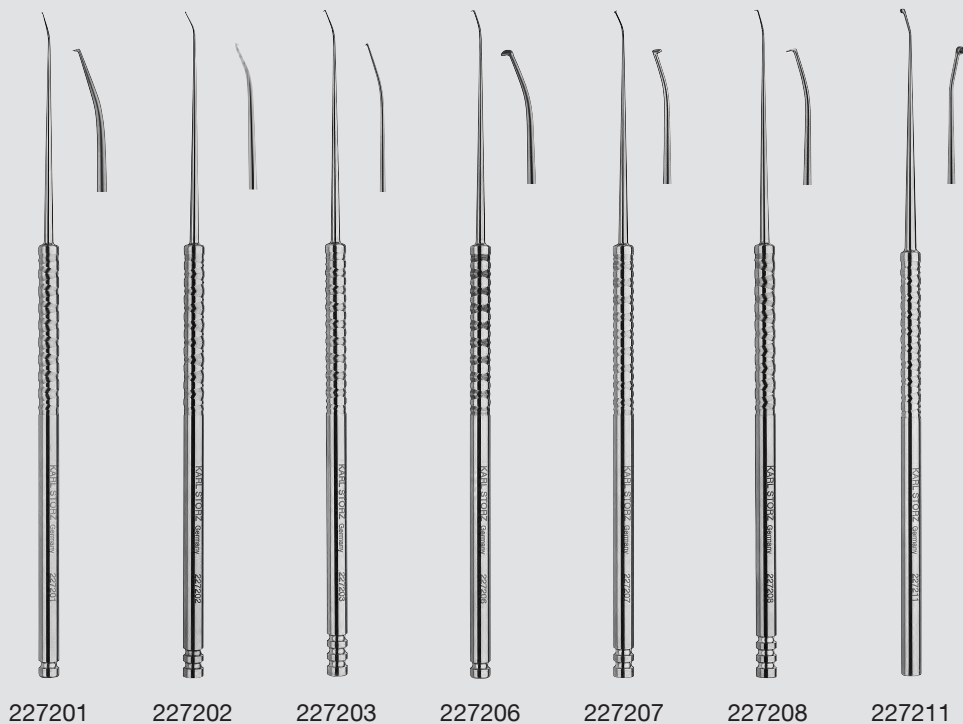
HOPKINS® Lateral Telescope 70°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Endoscopic Middle Ear Surgery

Ear Hooks, Ear Dissectors, Curette

Special Features:

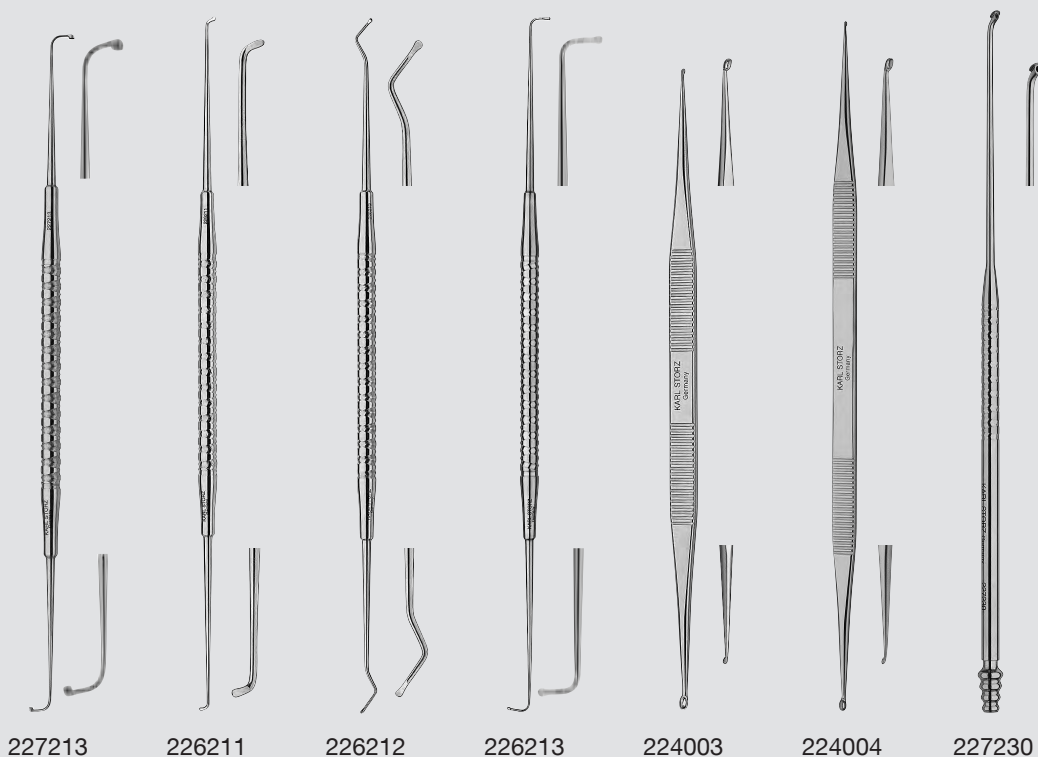
- The special design, including such features as strong angulation, can facilitate access to previously unreachable or hard-to-reach anatomical structures and recesses



- | | |
|--------|---|
| 227201 | Ear Hook , curved to right, working length 5.5 cm, total length 16 cm |
| 227202 | Same , curved to left |
| 227203 | Same , curved backwards |
| 227206 | Ear Dissector , curved to right, working length 5.5 cm, total length 16 cm |
| 227207 | Same , curved to left |
| 227208 | Same , curved backwards |
| 227211 | Curette , spoon-shaped, diameter 1 mm, length 16 cm |

Endoscopic Middle Ear Surgery

Double Curettes, Round Knife



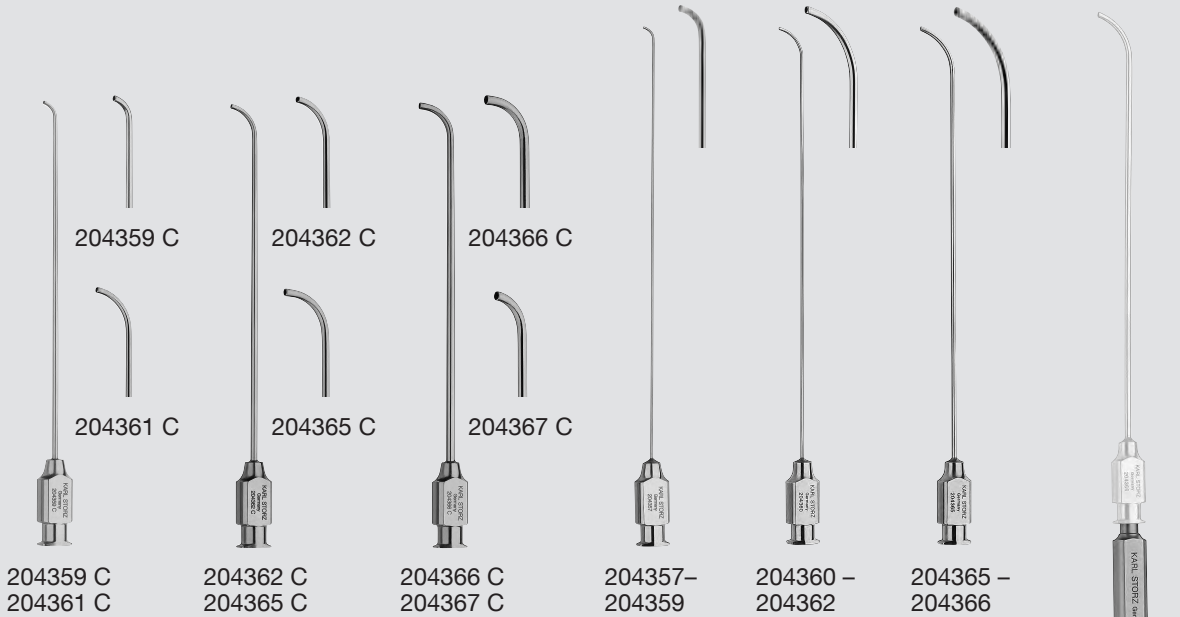
- 227213 **Curette**, double-ended, spoon-shaped tips diameter 1 mm and 1.5 mm, end position angled 90° to sheath, length 17 cm
- 226211 THOMASSIN **Dissector**, double-ended, distal tips with single curve to right or to left, length 18 cm
- 226212 **Same**, tips with double curve to right or left
- 226213 **Same**, tips angled 90° to right or left
- 224003 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.8 mm and 2 x 2.8 mm, length 15 cm
- 224004 HOUSE **Double Curette**, medium, spoon sizes 1 x 1.6 mm and 2 x 3.5 mm, length 18 cm
- 227230 **Round Knife**, diameter 3 mm, with suction, easy to handle due to rotating tube olive, length 19 cm

Endoscopic Middle Ear Surgery

Suction Tubes

Special Features:

- Additional rotating adaptor for the suction tubes simplifies handling



	204359 C	Suction Tube , conical, curved 3 mm, LUER-Lock, outer diameter 1 mm, length 8 cm	
	204361 C	Same , curved 6 mm	
	204362 C	Suction Tube , conical, curved 6 mm, LUER-Lock, outer diameter 1.2 mm, length 8 cm	
	204365 C	Same , curved 8 mm	
	204366 C	Suction Tube , conical, curved 8 mm, LUER-Lock, outer diameter 1.6 mm, length 8 cm	
	204367 C	Same , curved 6 mm	
○	0.6 mm 204357	Suction Tube , curved 3 mm, LUER-Lock, outer diameter 0.6 mm, length 10 cm	
○	0.8 mm 204358	Same , outer diameter 0.8 mm	
○	1.0 mm 204359	Same , outer diameter 1 mm	
○	0.8 mm 204360	Suction Tube , curved 6 mm, LUER-Lock, outer diameter 0.8 mm, length 10 cm	
○	1.0 mm 204361	Same , outer diameter 1 mm	
○	1.2 mm 204362	Same , outer diameter 1.2 mm	
○	1.2 mm 204365	Suction Tube , curved 8 mm, LUER-Lock, outer diameter 1.2 mm, length 10 cm	
○	1.6 mm 204366	Same , outer diameter 1.6 mm	
	204200	FISCH Suction Handle , with cut-off hole, LUER cone, length 5.5 cm, for use with Suction Tubes 204005 – 204025, 204305 – 204330	204200
	600019	LUER Cone Connector , male, rotating	600019

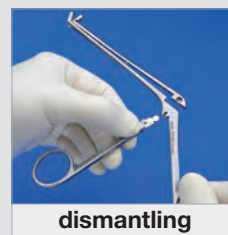
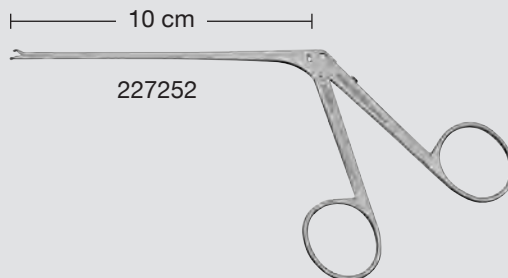
Further Suction Tubes see chapter 4, pages 189-192

Endoscopic Middle Ear Surgery

Ear Forceps



Ear Forceps, working length 10 cm, dismantling



227251

Ear Forceps, dismantling, 45° curved right, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm



227252

Ear Forceps, dismantling, 45° curved left, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm



227253

Ear Forceps, dismantling, 45° curved upwards, extra delicate, oval cupped jaws, 0.6 mm, working length 10 cm

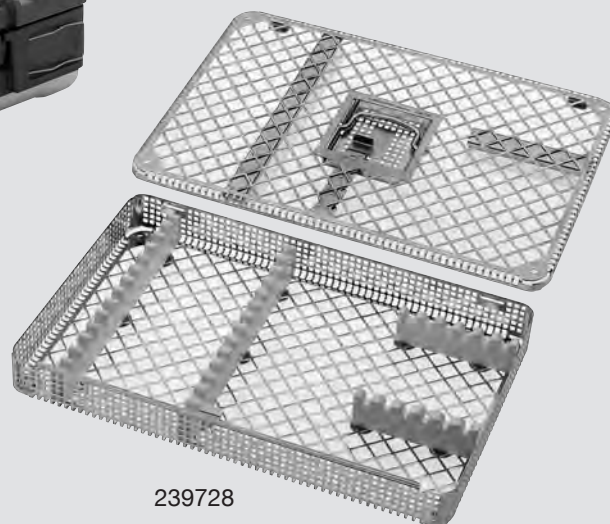


227255

Ear Forceps, dismantling, curved downwards, retrograde, extra delicate, oval cupped jaws, 0.9 mm, working length 10 cm



39780 A



239728

39780 A **MiniSet Container**, with MicroStop®, for sterilization and sterile storage, external dimensions (w x d x h): 310 x 189 x 70 mm, internal dimensions (w x d x h): 283 x 177 x 38 mm including:

Base

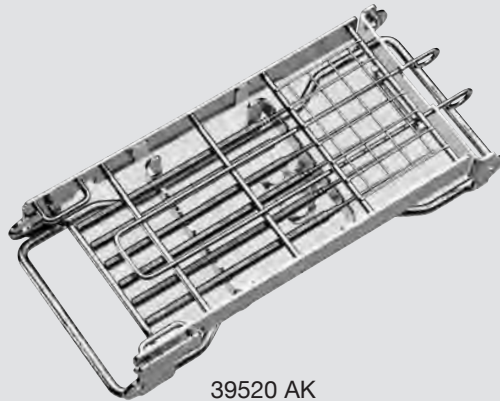
Lid

MicroStop® Microbiological Barrier

39781 A **Same**, external dimensions (w x d x h): 310 x 189 x 90 mm, internal dimensions (w x d x h): 283 x 177 x 58 mm

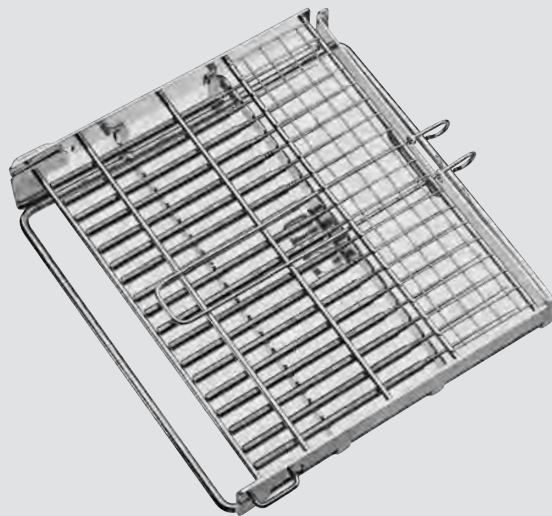
239728 **Metal Tray**, for sterilization and storage of ear instruments, perforated, base with holder for 20 straight ear micro instruments with octagonal handle, lid with silicone bridges, external dimensions (w x d x h): 275 x 175 x 36 mm

Weiteres Zubehör zu den MiniSet-Containern siehe Katalog HYGIENE



39520 AK

39520 AK **Rack**, provides safe storage of up to 6 KARL STORZ octagonal ear micro surgery instruments during cleaning and sterilization, with special guard for the instrument tips, can be used for instrument assistance during surgery, with detachable lid, external dimensions (w x d x h): 215 x 95 x 40 mm



39520 A

39520 A **Rack**, provides safe storage of up to 18 KARL STORZ octagonal ear micro surgery instruments during cleaning and sterilization, with special guard for the instrument tips, can be used for instrument assistance during surgery, with detachable lid, external dimensions (w x d x h): 230 x 200 x 40 mm (compatible with standard wire trays)



■ MOTOR SYSTEMS see chapter 8

UNIDRIVE® SELECT

INTRA Micro Motor 80k

INTRA Drill Handpieces

INTRA Drills

HIGHDRIVE® and LIGHTDRIVE

High-Speed Drill Handpieces

High-Speed Drills

STAPDRIVE®

DRILLCUT-X® II-35 Shaver Handpiece

Shaver Blades

Sinus Burrs



RHINOLOGY AND RHINOPLASTY

RECOMMENDED SETS84-90

STANDARD INSTRUMENTS
FOR RHINOLOGY
AND RHINOPLASTY91-141

SPECIAL INSTRUMENTS
FOR RHINOPLASTY142-150

Recommended Sets

Basic Instrument Set for Septum Surgery

Recommended Set

400500	HARTMANN Nasal Speculum , for adults, length 13 cm
403655	COTTLE Nasal Speculum , blade length 55 mm, length 13 cm
403555	KILLIAN-STRUYCKEN Nasal Speculum , standard model, blade length 55 mm, length 13.5 cm
403575	Same , blade length 75 mm
403590	Same , blade length 90 mm
513410	COTTLE Scissors , curved, length 10.5 cm
511210	Scissors , extra delicate, curved, length 10 cm
511414	JOSEPH Scissors , curved, length 14 cm
513200	WALTER Scissors , angled, length 10 cm
456001	BLAKESLEY Nasal Forceps, dismantling , straight, size 1, working length 11 cm
456003	Same , size 3
455500	TAKAHASHI Nasal Forceps, dismantling , straight, working length 9.5 cm
456502	BLAKESLEY-WILDE Nasal Forceps, dismantling , 45° upturned, size 2, working length 11 cm
449002	HEYMANN Nasal Scissors , medium, working length 9.5 cm
430300	LUBET-BARBON Nasal Dressing Forceps , serrated, working length 10.5 cm
204809	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
843116	Bipolar Coagulation Forceps , insulated, angled, pointed, length 16 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
740000	BRÜNING'S Tongue Depressor , length 19 cm
534500	COTTLE Columella Clamp , length 11 cm
533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
530811	Tissue Forceps , 7 x 8 fine teeth, length 11 cm
530710	Dressing Forceps , delicate, length 10 cm
530910	Tissue Forceps , delicate, straight, 1 x 2 teeth, length 10 cm
426516	JANSEN Nasal Dressing Forceps , bayonet-shaped, length 16.5 cm
534015	COTTLE Lower Lateral Forceps , bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm
2x 417013	Cotton Applicator , standard model, triangular, serrated, diameter 1.3 mm, length 15 cm
496800	Nasal Knife , curved, roundly tipped blade, width 4.5 mm, length 13.5 cm
493000	COTTLE Nasal Knife , rounded edge, length 14 cm
498400	COTTLE Retractor , narrow, length 14 cm
478304	McKENTY Raspatory , width 4 mm, length 14.5 cm
525800	Elevator , robust model, length 17 cm
484004	COTTLE Chisel , flat, graduated, straight, width 4 mm, length 18.5 cm
484007	Same , width 7 mm
174200	COTTLE Metal Mallet , length 18 cm
479800	Suction Raspatory , with stylet, length 19.5 cm
479200	COTTLE Raspatory , double-ended, length 22.5 cm
479000	MASING Elevator , double-ended, graduated, sharp and blunt, length 22.5 cm
515017	Needle Holder , soft spring, length 17 cm
516013	Needle Holder , tungsten carbide inserts, length 13 cm
791202	Scissors , curved, sharp/blunt, length 14.5 cm
6x 796011	BACKHAUS Towel Forceps , length 11 cm
440000	KRAUSE Nasal Snare , length 25 cm
443500	Nasal Snare Wire , diameter 0.3 mm, length 10 cm, package of 25
2x 810810	Medicine Cup , 100 cm ³ , diameter 80 mm, height 30 mm

Opening Aid 459999 for Forceps with Lug see chapter 13

Recommended Sets

Basic Instrument Set for Rhinoplasty

Recommended Set

208215	Blade , Fig. 15, sterile, for single use, package of 100
208211	Same , Fig. 11
496564	Miniature Blade , Fig. 64, round, sterile, for single use, package of 25
496900	MASING Nasal Knife , curved, roundly tipped blade, length 14 cm
493000	COTTLE Nasal Knife , rounded edge, length 14 cm
3x 417013	Cotton Applicator , triangular, serrated, diameter 1.3 mm, length 15 cm
511210	Scissors , extra delicate, curved, length 10 cm
513410	COTTLE Scissors , curved, length 10.5 cm
511414	JOSEPH Scissors , curved, length 14 cm
513200	WALTER Scissors , angled, length 10 cm
513700	FOMON Dorsal Scissors , angular, serrated blades, slender, working length 6.5 cm
484004	COTTLE Chisel , flat, graduated, straight, width 4 mm, length 18.5 cm
484007	Same , width 7 mm
484009	Same , width 9 mm
484206	COTTLE Crossbar Osteotome , graduated, double-edged grinding, straight, width 6 mm, length 18.5 cm
484406	Same , single-edged grinding, curved
484800	MASING Chisel , straight, with rounded guard straight, length 18 cm
484700	Same , slightly curved, with rounded guard on left side
484600	Same , slightly curved, with rounded guard on right side
498400	COTTLE Retractor , narrow, length 14 cm
505700	COTTLE Knife Guide and Retractor , with duct for guide of cut, length 19 cm
505800	NEIVERT Knife Guide and Retractor , made of wire, length 18 cm
505100	COTTLE Retractor , two prongs, sharp prong on right, blunt prong on left, width 10 mm, length 14.5 cm
505000	Same , sharp prong on left, blunt prong on right
499101	Hook , one prong, large curve, length 16.5 cm
506400	AUFRICHT Nasal Retractor , length 16.5 cm
479800	Suction Raspatory , with stylet, length 19.5 cm
479000	MASING Elevator , double-ended, graduated, sharp and blunt, length 22.5 cm
478100	JOSEPH-MASING Elevator , slightly curved, bayonet-shaped, length 21 cm
478305	McKENTY Raspatory , width 5 mm, length 14.5 cm
479200	COTTLE Raspatory , double-ended, length 22.5 cm
534015	COTTLE Lower Lateral Forceps , bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm
533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
523600	Nasal Rasp , double-ended, fine, length 21.5 cm
523700	Nasal Rasp , double-ended, coarse (rasp), length 21.5 cm
528800	WALSHAM Septum Straightening Forceps, dismantling , length 21 cm
174200	COTTLE Metal Mallet , length 18 cm
523000	JOSEPH Nasal Saw , crosswise toothed, bayonet-shaped, right, length 18.5 cm
523100	Same , left
403655	COTTLE Nasal Speculum , blade length 55 mm, length 13 cm
403575	KILLIAN-STRUJCKEN Nasal Speculum , standard model, blade length 75 mm, length 13.5 cm
403590	Same , blade length 90 mm
456001	BLAKESLEY Nasal Forceps, dismantling , straight, size 1, working length 11 cm
456003	Same , size 3
458000	WATSON-WILLIAMS Nasal Forceps, dismantling , straight, serrated, working length 11 cm
523900	COTTLE Bone Crusher , with clip, crusher size 5 x 1.5 cm
517000	MASING Needle Holder, dismantling , ear forceps shape, intranasal, smooth jaws, working length 8 cm
516513	NEIVERT-MASING Needle Holder , one jaw with groove, length 13 cm
515017	Needle Holder , soft spring, length 17 cm
529207	FRAZIER Suction Tube , with cut-off hole and stylet, angled, outer diameter 2 mm, working length 10 cm, length 17.5 cm
529209	Same , outer diameter 3 mm
529105	Suction Tube , curved, outer diameter 5 mm, length 16.5 cm
534500	COTTLE Columella Clamp , length 11 cm
469000	KAZANIJAN Forceps , length 20 cm
468000	JANSEN-MIDDLETON Septum Forceps , angular, through-cutting, working length 10 cm

Recommended Sets

SIMMEN-BRINER Special Nasal Instrument Set

Recommended Set

7230 AA	HOPKINS® Straight Forward Telescope 0° , enlarged view, diameter 4 mm, length 18 cm, autoclavable, fiber optic light transmission incorporated, color code: green
723772	STAMMBERGER Handle , round, length 11 cm
403835	COTTLE Nasal Speculum , with set screw, blade length 35 mm, length 13 cm
403855	Same , blade length 55 mm
403875	Same , blade length 75 mm
403390	KILLIAN-STRUYSCKEN Nasal Speculum , with set screw, blade length 90 mm, length 13.5 cm
810506	Septum Cannula , LUER-Lock, angular
208000	Surgical Handle , Fig. 3, length 12.5 cm
208100	Surgical Handle , Fig. 4, length 13.5 cm
748000	Surgical Handle , Fig. 7, length 16.5 cm
474000	FREER Elevator , double-ended, semisharp and blunt, length 20 cm
479000	MASING Elevator , double-ended, graduated, sharp and blunt, length 22.5 cm
2x 499001	KILNER-GILLIES Hook , one prong, small curve, length 17 cm
499210	JOSEPH Hook , two prongs, sharp, width 10 mm, length 15 cm
791815	REYNOLDS Scissors , curved, delicate tips, length 15 cm
511615	METZENBAUM-LAHEY Scissors , curved, length 15 cm
2x 533113	ADSON Tissue Forceps , micro-model, 1 x 2 teeth, length 12 cm
533112	ADSON Tissue Forceps , 1 x 2 teeth, length 12 cm
793301	Tissue Forceps , 1 x 2 teeth, standard width, length 13 cm
793403	Tissue Forceps , 1 x 2 teeth, narrow, length 14.5 cm
2x 533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
792303	Dressing Forceps , narrow width, length 13 cm
792301	Same , standard width
534015	COTTLE Lower Lateral Forceps , bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm
426620	GRÜNWALD Nasal Dressing Forceps , bayonet-shaped, length 20 cm
455500	TAKAHASHI Nasal Forceps, dismantling , straight, working length 9.5 cm
456002	BLAKESLEY Nasal Forceps, dismantling , straight, size 2, working length 11 cm
456003	Same , size 3
449002	HEYMANN Nasal Scissors , medium, working length 9.5 cm
488034	CRAIG Septum Forceps , straight, special matt finish, working length 9 cm
204809	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
204810	Same , 10 Fr.
204812	Same , 12 Fr.
204815	Same , 15 Fr.
479800 SB	Suction Raspator , with stylet, with double-sided grip plate, length 19.5 cm
486103 SB	Osteotome , flat, double-edged grinding, with enlarged distal finger grip plate, width 3 mm, length 19 cm
486104 SB	Same , width 4 mm
486107 SB	Same , width 7 mm
174200	COTTLE Metal Mallet , length 18 cm
844219	Bipolar Coagulation Forceps , insulated, bayonet-shaped, blunt, tip 1 mm, length 19 cm
839330	BRINER Bipolar Coagulation Suction Cannula , angular, insulated, length of electrodes 3.5 mm, with cut-off hole, outer diameter 4.5 mm, working length 11 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
839312	SIMMEN Coagulation Suction Cannula , angular, insulated, malleable, distal with uninsulated horn for coagulation, with cut-off hole, outer diameter 3.5 mm, working length 12 cm
839312 A	Same , outer diameter 4 mm
839313	Same , outer diameter 4.5 mm
26005 M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm
440000	KRAUSE Nasal Snare , length 25 cm
443500	Nasal Snare Wire , standard size, diameter 0.3 mm, length 10 cm, package of 25

Recommended Sets

SIMMEN-BRINER Special Nasal Instrument Set

523900	COTTLE Bone Crusher , with clip, crusher size 5 x 1.5 cm
2x 794014	ROCHESTER-PEAN Artery Forceps , straight, length 14 cm
2x 535212	HALSTEAD " Mosquito " Artery Forceps , curved, length 12.5 cm
2x 794214	ROCHESTER-PEAN Artery Forceps , curved, length 14 cm
2x 535412	HALSTEAD " Mosquito " Artery Forceps , straight, 1 x 2 teeth, length 12.5 cm
516015	Needle Holder , tungsten carbide inserts, length 15 cm
515117	Same , length 17 cm
791903	MAYO Scissors , straight, length 15 cm
792003	Same , curved
748220	DUPLAY Dressing and Sponge Holding Forceps , curved, with ratchet, length 21 cm
10x 796109	Towel Forceps , with serrated inserts, length 9.5 cm
810805	Medicine Cup , 50 ccm, diameter 57 mm, height 47 mm
810810	Medicine Cup , 100 ccm, diameter 80 mm, height 30 mm

Recommended Sets

SIMMEN-BRINER Special Rhinoplasty Instrument Set

Recommended Set

488060	Ala Double Hook with Octagonal Handle , with 2 sharp points, strongly curved, special matt finish, width 2 mm, length 16.5 cm
506400	AUFRIECHT Nasal Retractor , width of retractor blade 8 mm, length of retractor blade 40 mm, length 16.5 cm
488054	AUFRIECHT Nasal Retractor , with side protector, special matt finish, length 16.5 cm
488070	JOSEPH Raspatory , slightly curved, special matt finish, width 4 mm, length 17.5 cm
489084	Angular Scissors , extra delicate, length 9.5 cm
488049	KILNER Scissors , curved, with tungsten carbide inserts, flat tips, sharp/sharp, extra delicate, special matt finish, length 13.5 cm
513700	FOMON Dorsal Scissors , angular, serrated blades, slender, working length 6.5 cm
498822	AIACH Cartilage Graft Forceps , with slotted jaws, length 15 cm
516115	RYDER Needle Holder , tungsten carbide inserts, extra delicate, length 15 cm
487012	RUBIN Osteotome , flat, straight, double-edged grinding, rounded corners, with finger grip stabilizer, width of cut 12 mm, length 16.5 cm
487014	Same , width of cut 14 mm
487016	Same , width of cut 16 mm
486102 SB	Osteotome , flat, double-edged grinding, with enlarged distal finger grip plate, width 2 mm, length 19 cm
523834	Nasal Rasp , tungsten carbide, double-ended, rasp blades Fig. 3 and 4, coarse and medium, length 20.5 cm
523856	Same , Fig. 5 and 6, medium
523878	Same , Fig. 7 and 8, medium and fine
200600	LEMPERT Rongeur , slender, straight, length 15.5 cm
469200	ROWLAND-MEYER Nasal Hump Forceps , with double joint, curved blades, length 20 cm
488038	RUBIN Septum Morcelizer , with double joint, straight, special matt finish, length 20 cm
498820	AIACH Grid , graduated, size 90 x 50 mm
523913	Metal Tray , with eyelet for towel forceps, size 10 x 15 cm

Recommended Sets

NOLST TRENITÉ Instrument Set for Rhinoplasty

Recommended Set

488510	Osteotome , straight, double-edged grinding, rounded corners, with recessed grip, width of cut 10 mm, length 18 cm
488512	Same , width of cut 12 mm
488514	Same , width of cut 14 mm
488516	Same , width of cut 16 mm
488518	Same , width of cut 18 mm
488501	Micro Osteotome , straight, double-edged grinding, width 2 mm, length 18 cm
488502	Same , width 2.5 mm
488503	Same , width 3 mm
488504	Same , width 4 mm
488505	Micro Osteotome , straight, with rounded guard, width 2.2 mm, length 18 cm
488506	Same , width 3 mm
488507	Same , width 4 mm
174200	COTTLE Metal Mallet , length 18 cm
488554	AUFRICHT Nasal Retractor , width of retractor blade 8.5 mm, length of retractor blade 45 mm, length 15 cm
488558	Hook , two prongs, sharp, width 10 mm, length 12 cm
488555	Hook , one prong, sharp, length 15 cm
488556	Hook , two prongs, sharp, length 15 cm
488540	COTTLE Bone Crusher , with clip, crusher size 5 x 1.5 cm
488560	JOSEPH Raspatory , length 20 cm
488569	Glabella Rasp , curved, push-pull cut, length 20 cm
488566	Bone Rasp , tungsten carbide, double-ended, rasp blades Fig. 5 and 6, medium, length 21 cm
488568	Bone Rasp , tungsten carbide, double-ended, rasp blades Fig. 7 and 8, medium and fine, length 21 cm

Recommended Supplementary Instruments

456001	BLAKESLEY Nasal Forceps, dismantling , straight, size 1, working length 11 cm
533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
533012	ADSON Dressing Forceps , serrated, length 12 cm
533112	ADSON Dressing Forceps , 1 x 2 teeth, length 12 cm
513200	WALTER Angular Scissors , length 10 cm
511210	Scissors , extra delicate, curved, length 10 cm
511010	Same , straight
511814	KILNER Scissors , curved, flat end, length 14 cm
516013	Needle Holder , tungsten carbide inserts, length 13 cm

Opening Aid 459999 for Forceps with Lug see chapter 13

Recommended Sets

BERGHAUS Instrument Set for Septo-Rhinoplasty

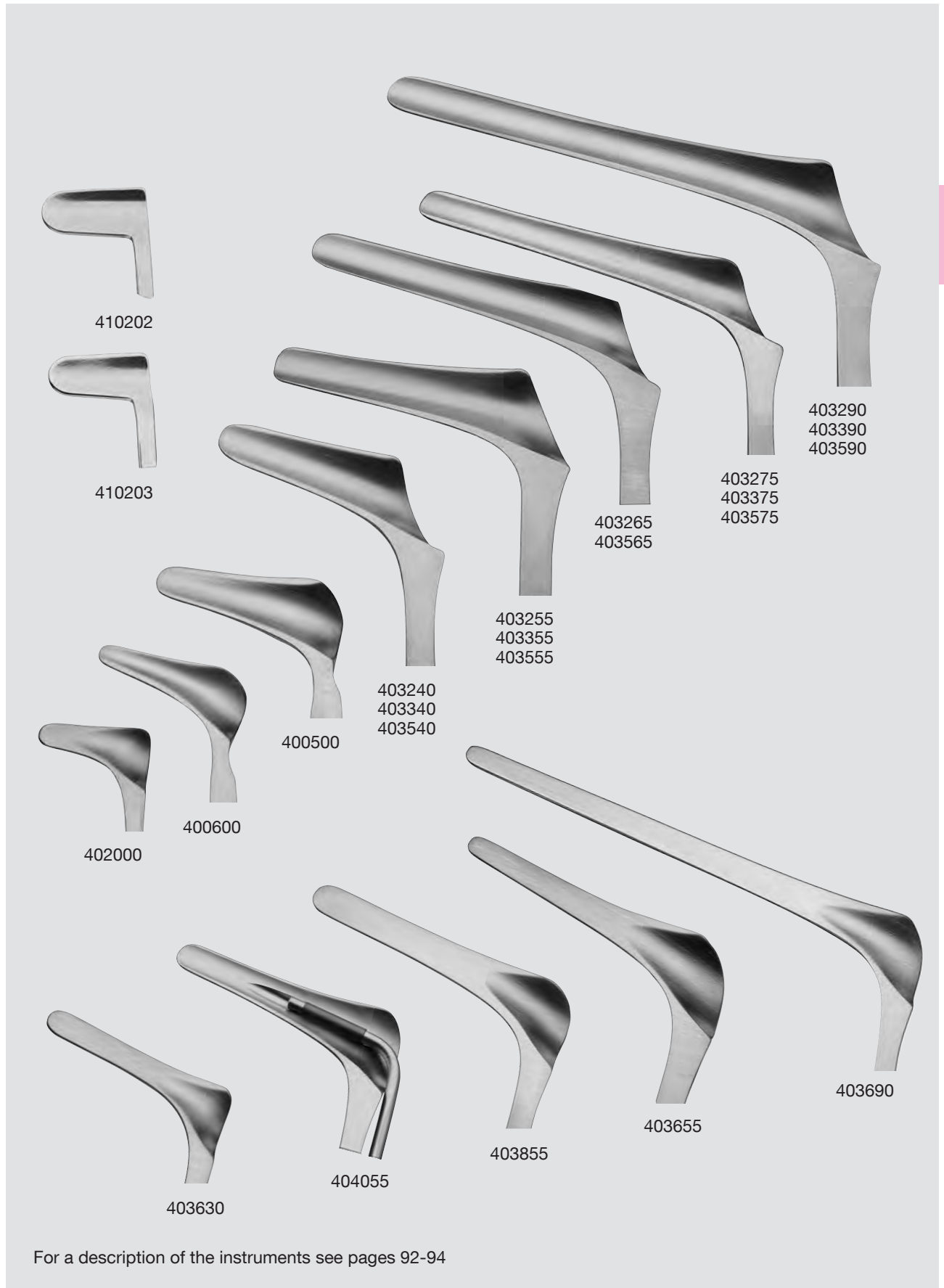
Recommended Set

488002	COTTLE Nasal Speculum , extra slender, without set screw, special matt finish, blade length 35 mm, length 13 cm
488003	Same , blade length 55 mm
488004	Same , blade length 75 mm
488018	KILLIAN-CLAUS Septum Chisel , with V-shaped cutting edge, special matt finish, width 5 mm, length 16.5 cm
488010	RUBIN Osteotome , flat, straight, double-edged grinding, rounded corners, with finger grip for controlled osteotome guidance, special matt finish, width 10 mm, length 16.5 cm
488012	Same , width 12 mm
488014	Same , width 14 mm
488022	Chisel , with finger button, flat, special matt finish, width 2 mm, length 18 cm
488023	Same , width 3 mm
488024	Same , width 4 mm
488030	Marking Instrument , for nasal tip, with ball and half cup, straight, special matt finish, length 11 cm
488032	HEYMANN Nasal Scissors , medium size, special matt finish, working length 9.5 cm
488034	CRAIG Septum Forceps , straight, special matt finish, working length 9 cm
488041	BLAKESLEY Nasal Forceps, dismantling , slender, straight, special matt finish, size 1, working length 11 cm
488038	RUBIN Septum Morcelizer , with double joint, straight, special matt finish, length 20 cm
488036	BECKER-CAPLAN Septum Scissors , with double joint, serrated, slender, special matt finish, working length 9.5 cm
488044	JANSEN Nasal Dressing Forceps , bayonet-shaped, slender, special matt finish, length 16 cm
488045	ADSON-BROWN Forceps , micro-model, with scale, atraumatic, fine side grasping teeth, special matt finish, length 12 cm
488046	ADSON Tissue Forceps , with scale, atraumatic, fine side grasping teeth, special matt finish, length 15 cm
488047	ADSON Tissue Forceps , 1 x 2 teeth, special matt finish, length 12 cm
488049	KILNER Scissors , curved, with tungsten carbide inserts, flat tips, sharp/sharp, extra delicate, special matt finish, length 13.5 cm
488050	KILNER Scissors , curved, flat tips, blunt/blunt, special matt finish, length 15.5 cm
488054	AUFRIECHT Nasal Retractor , with side protector, special matt finish, length 16.5 cm
488060	Ala Double Hook with Octagonal Handle , with 2 sharp points, strongly curved, special matt finish, width 2 mm, length 16.5 cm
488056	KILNER Ala Retractor , two sharp points with button, special matt finish, width 10 mm, length 8.5 cm
488058	Same , width 13 mm
488084	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, special matt finish, outer diameter 8 Fr., working length 11 cm
488085	Same , outer diameter 10 Fr.
488086	Same , outer diameter 12 Fr.
488065	BERGHAUS Ala Guiding Set , special matt finish
488070	JOSEPH Raspatory , slightly curved, special matt finish, width 4 mm, length 17.5 cm
488071	JOSEPH Raspatory , strongly curved, special matt finish, width 3.4 mm, length 17.5 cm
208000	Surgical Handle , Fig. 3, length 12.5 cm
488074	FREER Elevator , double-ended, sharp and blunt, special matt finish, length 20 cm
488078	Nasal Rasp , double-ended, coarse, special matt finish, length 21.5 cm
488076	AUFRIECHT Glabella Rasp , double-ended, backward cutting, length 20.5 cm
488080	RYDER Needle Holder , tungsten carbide inserts, extra delicate and flat, special matt finish, length 18 cm
174200	COTTLE Metal Mallet , length 18 cm

Opening Aid 459999 for Forceps with Lug see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Specula



10-98z

For a description of the instruments see pages 92-94

Standard Instruments for Rhinology and Rhinoplasty

Nasal Specula



400500



400520



400600



402000



410202



410203

- 400500 HARTMANN **Nasal Speculum**,
for adults, length 13 cm
- 400520 BECKMANN **Nasal Speculum**,
for adults, curved sideways,
length 15 cm
- 400600 HARTMANN **Nasal Speculum**,
for children, length 13 cm
- 402000 HALLE-TIECK **Nasal Speculum**,
for infants, length 13 cm
- 410202 THUDICHUM **Nasal Speculum**, self-
retaining, medium, blade size 18 x 9.5 mm,
length 6.5 cm
- 410203 **Same**, small, blade size 18 x 8.5 mm

Standard Instruments for Rhinology and Rhinoplasty

Nasal Specula



403240 –
403290



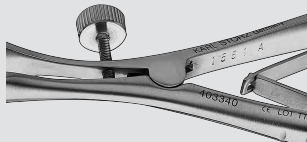
403340 –
403390



403540 –
403590



- 403240 KILLIAN-STRUYCKEN **Nasal Speculum**, with set rack, blade length 40 mm, length 15 cm
- 403255 **Same**, blade length 55 mm
- 403265 **Same**, blade length 65 mm
- 403275 **Same**, blade length 75 mm
- 403290 **Same**, blade length 90 mm



- 403340 KILLIAN-STRUYCKEN **Nasal Speculum**, with set screw, blade length 40 mm, length 13.5 cm
- 403355 **Same**, blade length 55 mm
- 403375 **Same**, blade length 75 mm
- 403390 **Same**, blade length 90 mm



- 403540 KILLIAN-STRUYCKEN **Nasal Speculum**, standard model, blade length 40 mm, length 13.5 cm
- 403555 **Same**, blade length 55 mm
- 403565 **Same**, blade length 65 mm
- 403575 **Same**, blade length 75 mm
- 403590 **Same**, blade length 90 mm

Standard Instruments for Rhinology and Rhinoplasty

Nasal Specula



403630



403655



403675



403690



403835 –
403875



404055

- 403630 **COTTLE Nasal Speculum**,
blade length 30 mm, length 13 cm
- 403655 **Same**, blade length 55 mm
- 403675 **Same**, blade length 75 mm
- 403690 **Same**, blade length 90 mm

403835 **COTTLE Nasal Speculum**, with
set screw, blade length 35 mm,
length 13 cm

403855 **Same**, blade length 55 mm

403875 **Same**, blade length 75 mm

404055 **Nasal Speculum**, with fiber optic light carrier,
blade length 55 mm, length 13.5 cm

Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Specula

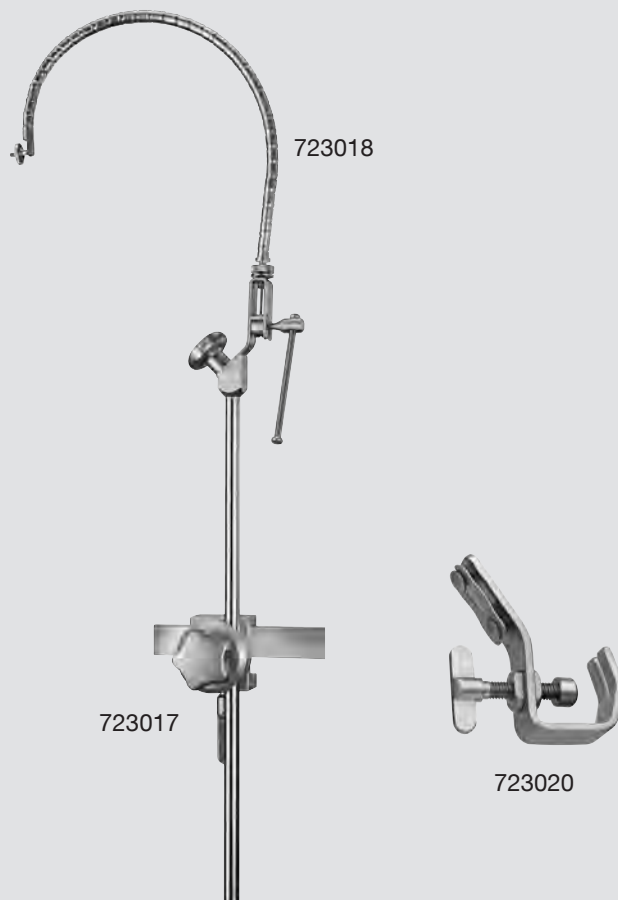


404455 –
404475



404555 –
404575

- 404455 RUDERT **Nasal Speculum**, for adults, with set screw and adaptation for Flexible Tension Arm 723018, left blade length 55 mm, right blade shortened with 3 mandrels, length 15 cm
- 404465 **Same**, left blade length 65 mm
- 404475 **Same**, left blade length 75 mm
- 404555 RUDERT **Nasal Speculum**, for adults, with set screw and adaptation for Flexible Tension Arm 723018, right blade length 55 mm, left blade shortened with 3 mandrels, length 15 cm
- 404565 **Same**, right blade length 65 mm
- 404575 **Same**, right blade length 75 mm



For use with Nasal Specula 404455 – 404475, 404555 – 405575

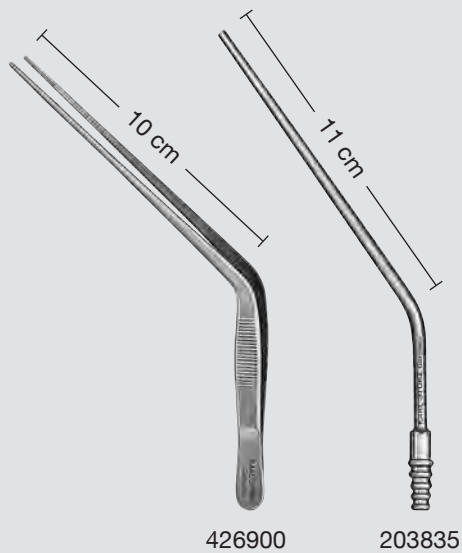
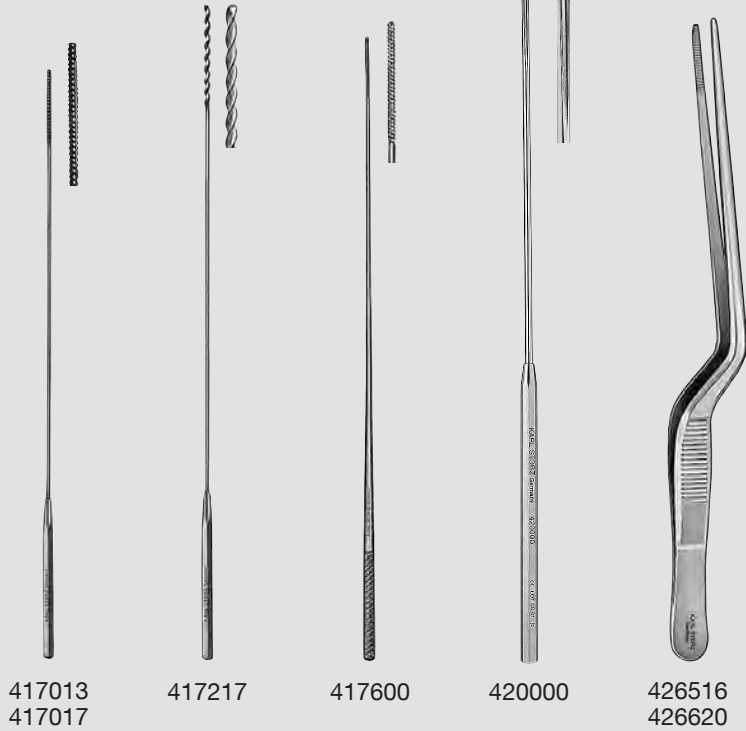
- 723017 **Rotating Clamp**, with holding rod for Flexible Tension Arms 723018 and 28162 FB, attachable to the operating table's sliding rail
- 723018 **Flexible Tension Arm**, length 50 cm
- 723020 **Connector**, for Flexible Tension Arm 723018, attachable to rods up to diameter 16 mm

The tension arm can also be attached to an anesthesia frame using the connector in place of the holding rod.

Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

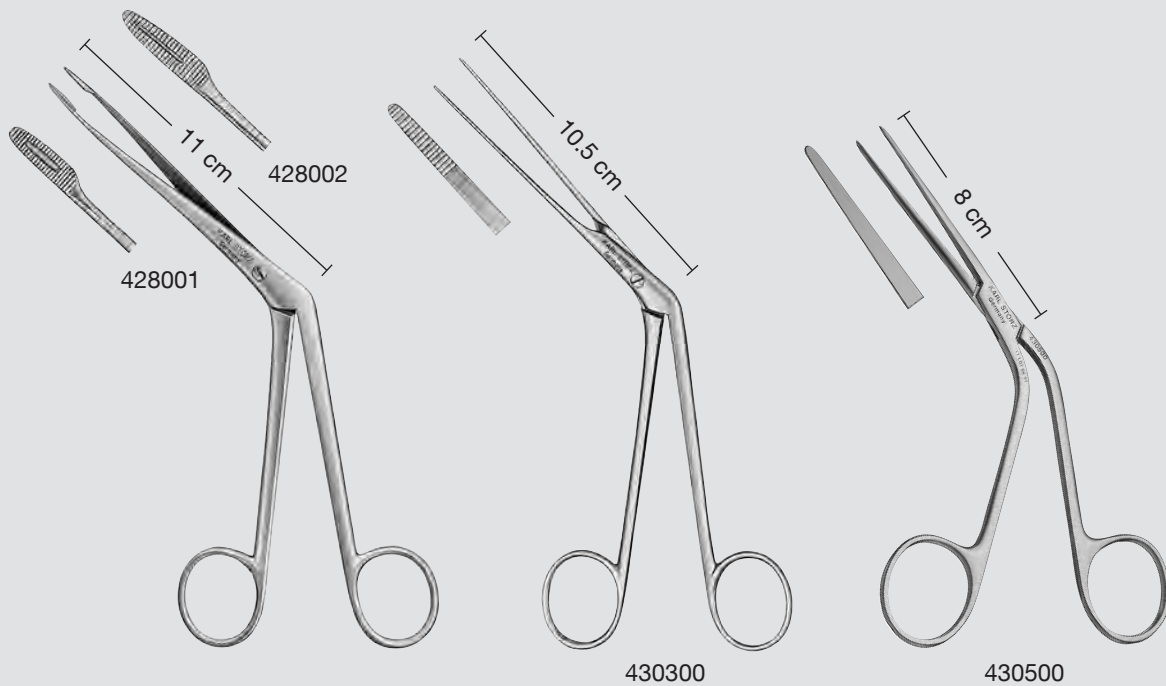
Cotton Applicators, Gauze Applicator,
Nasal Dressing Forceps, Suction Tube



- 417013 **Cotton Applicator**, standard model, triangular, serrated, diameter 1.3 mm, length 15 cm
- 417017 **Same**, diameter 1.7 mm
- 417217 **ZIEGLER Cotton Applicator**, with thread, diameter 1.7 mm, length 17.5 cm
- 417600 **FROHN Cotton Applicator**, with thread, length 16 cm
- 420000 **SIEBENMANN Gauze Applicator**, length 18 cm
- 426516 **JANSEN Nasal Dressing Forceps**, bayonet-shaped, length 16.5 cm
- 426620 **GRÜNWALD Nasal Dressing Forceps**, bayonet-shaped, length 20 cm
- 426900 **TRÖLTSCHE Nasal Dressing Forceps**, angular, working length 10 cm
- 203835 **Suction Tube**, conical, LUER, outer diameter 3.5 mm, working length 11 cm

Standard Instruments for Rhinology and Rhinoplasty

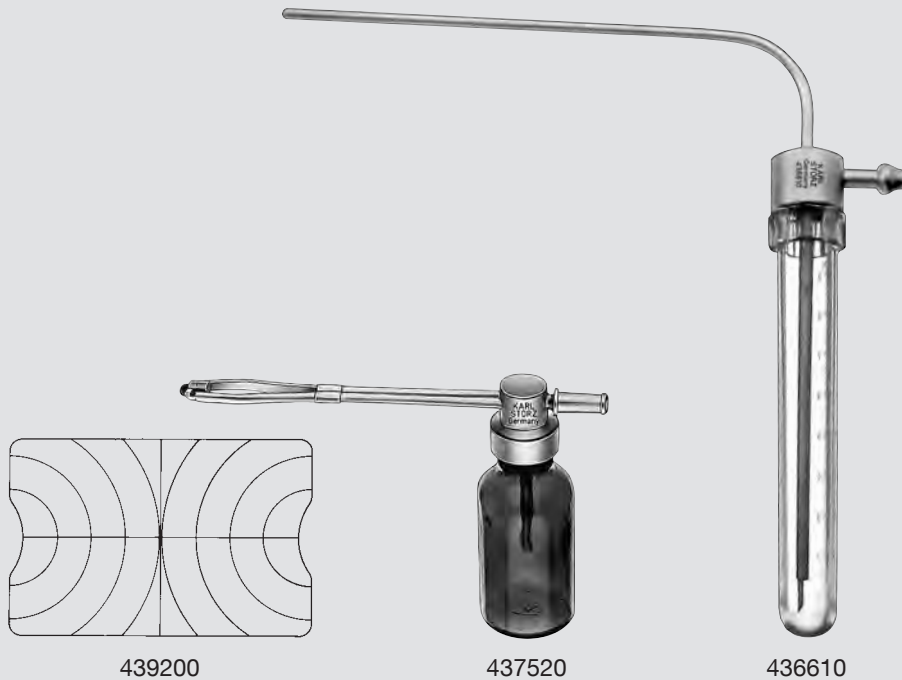
Nasal Dressing Forceps



- 428001 HARTMANN **Nasal Dressing Forceps**, slender, working length 11 cm
- 428002 **Same**, standard size
- 430300 LUBET-BARBON **Nasal Dressing Forceps**, serrated, working length 10.5 cm
- 430500 YANKAUER **Nasal Dressing Forceps**, smooth, working length 8 cm

Standard Instruments for Rhinology and Rhinoplasty

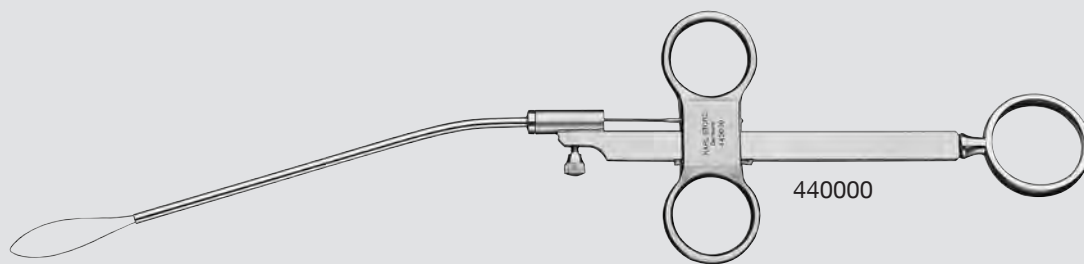
Atomizers, Nasal Mirror



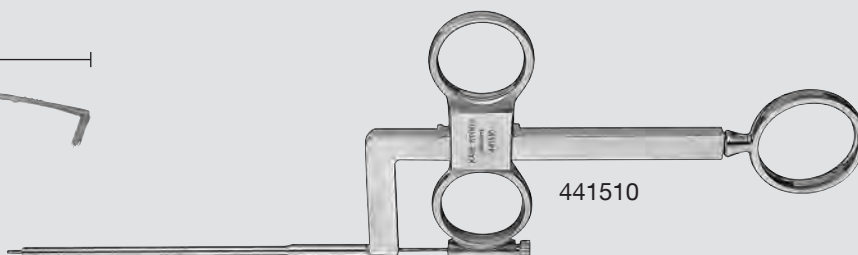
- 436610 **Atomizer**, straight, including graduated Container 10455 A for local anaesthetic
- 437520 DE VILBIS **Nasal Atomizer**, with adjustable tip, rubber bulb and large bottle
- 439200 GLATZEL **Nasal Mirror**, (CZERMAK's plate) for verification of nasal ventilation capacity, 13 x 20 cm

Standard Instruments for Rhinology and Rhinoplasty

Nasal Snares, Snare Wires and Nasal Scissors



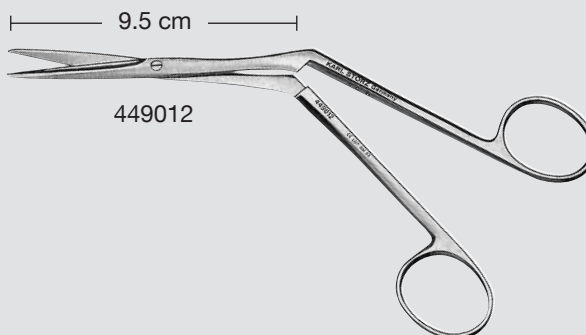
440000 KRAUSE **Nasal Snare**, length 25 cm



441510 LANGE **Nasal Snare**, bayonet-shaped, length 24 cm

443500 **Nasal Snare Wire**, for 440000 – 441510, standard size, diameter 0.3 mm, length 10 cm, package of 25

443504 **Same**, diameter 0.4 mm, package of 25



449001 HEYMANN **Nasal Scissors**, small, working length 9 cm



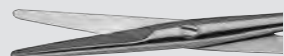
449002 HEYMANN **Nasal Scissors**, medium (standard model), working length 9.5 cm



449003 HEYMANN **Nasal Scissors**, large, working length 11 cm



449012 HEYMANN **Nasal Scissors**, medium, serrated blades, working length 9.5 cm



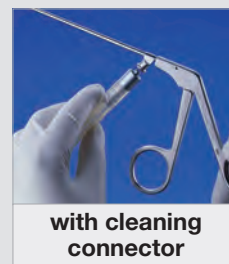
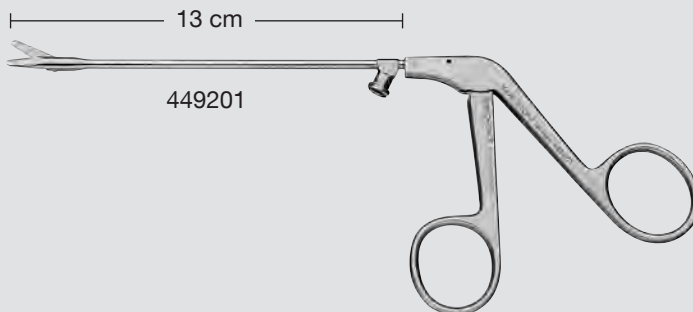
Components/Spare Parts see chapter 13






Standard Instruments for Rhinology and Rhinoplasty

RHINOFORCE® II Nasal Scissors and Nasal Cutting Forceps

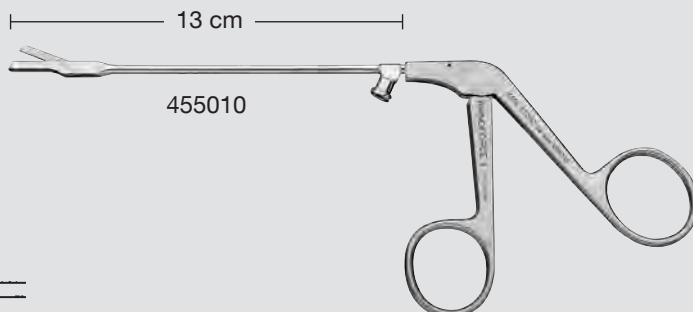


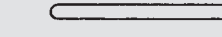

RHINOFORCE® II Nasal Scissors, working length 13 cm



- | | | |
|---|--------|--|
|  | 449201 | RHINOFORCE® II Nasal Scissors , straight, with cleaning connector, working length 13 cm |
|  | 449202 | Same , curved to right |
|  | 449203 | Same , curved to left |
|  | 449204 | RHINOFORCE® II Nasal Scissors , cutting blades curved upwards, to cut the anterior part of the middle turbinate in case of narrow nose and to prevent postoperative synechia, with cleaning connector, working length 13 cm |
|  | 449205 | Same , cutting blades curved downwards |

STRUYCKEN RHINOFORCE® II Nasal Cutting Forceps, working length 13 cm



- | | | |
|---|--------|---|
|  | | |
|  | 455010 | STRUYCKEN RHINOFORCE® II Nasal Cutting Forceps , with cleaning connector, working length 13 cm |

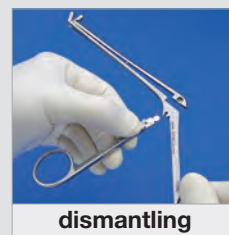
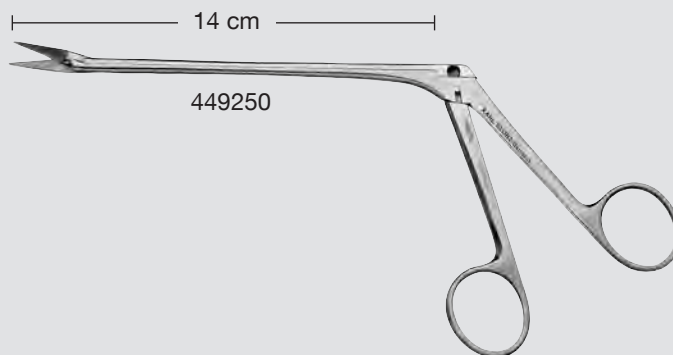
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Standard Instruments for Rhinology and Rhinoplasty

Nasal Scissors



Nasal Scissors, working lengths 11, 12 and 14 cm, dismantling



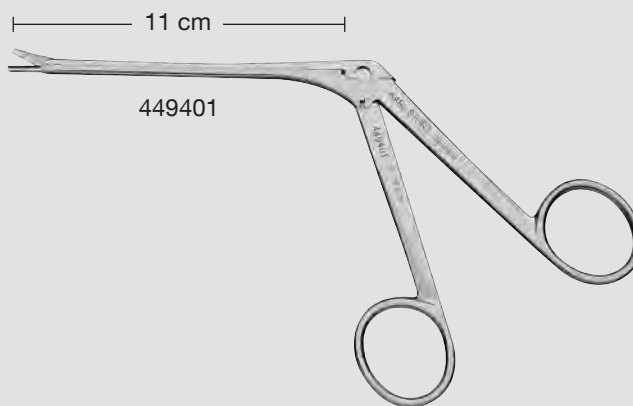
449250

Nasal Scissors, ZÜRICH model, dismantling, straight, large model, cutting length 18 mm, working length 14 cm



449251

Nasal Scissors, ZÜRICH model, dismantling, straight, small model, cutting length 12 mm, working length 12 cm



449401

Nasal Scissors, dismantling, straight, slender model, serrated, cutting length 10 mm, working length 11 cm



449402

Same, curved to right



449403

Same, curved to left

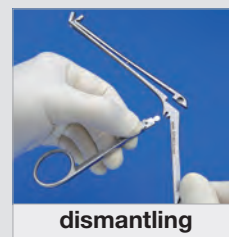
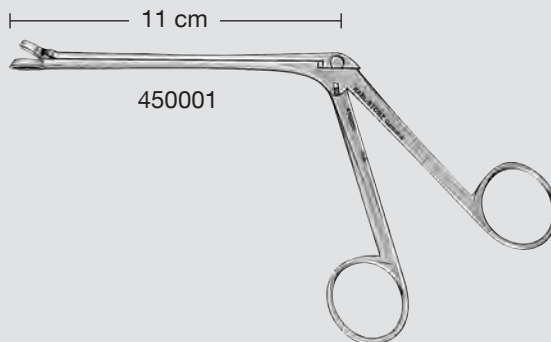
Opening Aid 459999 for Forceps with Lugs (except Nasal Scissors 449251) see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Cutting Forceps



Nasal Cutting Forceps, working length 11 cm, dismantling



450001

HARTMANN Nasal Cutting Forceps, dismantling, round, size 1, working length 11 cm

450002

Same, size 2

450003

Same, size 3



453501

GRÜNWALD-HENKE Nasal Cutting Forceps, dismantling, size 1, working length 11 cm

453502

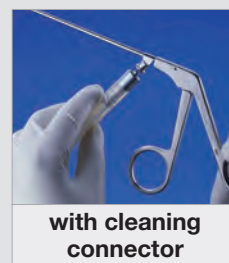
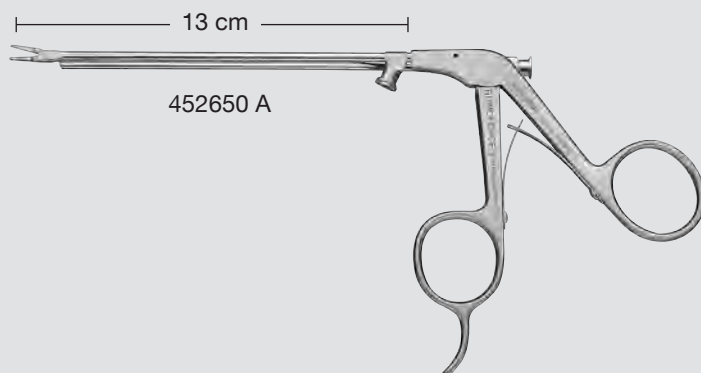
Same, size 2

Standard Instruments for Rhinology and Rhinoplasty

MONTGOMERY-YOUNGS RHINOFORCE® II Clip Applicators

MONTGOMERY-YOUNGS RHINOFORCE® II Clip Applicators,
for endonasal endoscopic sphenopalatine artery ligature

Winner of the **2006**
Cutler Surgical Prize



The **Cutlers' Surgical Prize** is one of the most prestigious annual awards for innovation in the design or application of surgical instruments or techniques. The prize as well as the Clarke medal are awarded by the surgical association and the president of the Royal College of Surgeons of England.



452650 A

MONTGOMERY-YOUNGS **RHINOFORCE® II**
Clip Applicator, for endonasal endoscopic sphenopalatine artery ligature, with suction channel, handle with spring, straight, with cleaning connector, working length 13 cm, for use with Titanium Clips 8665 T



452650 C

Same, jaws angled to the right



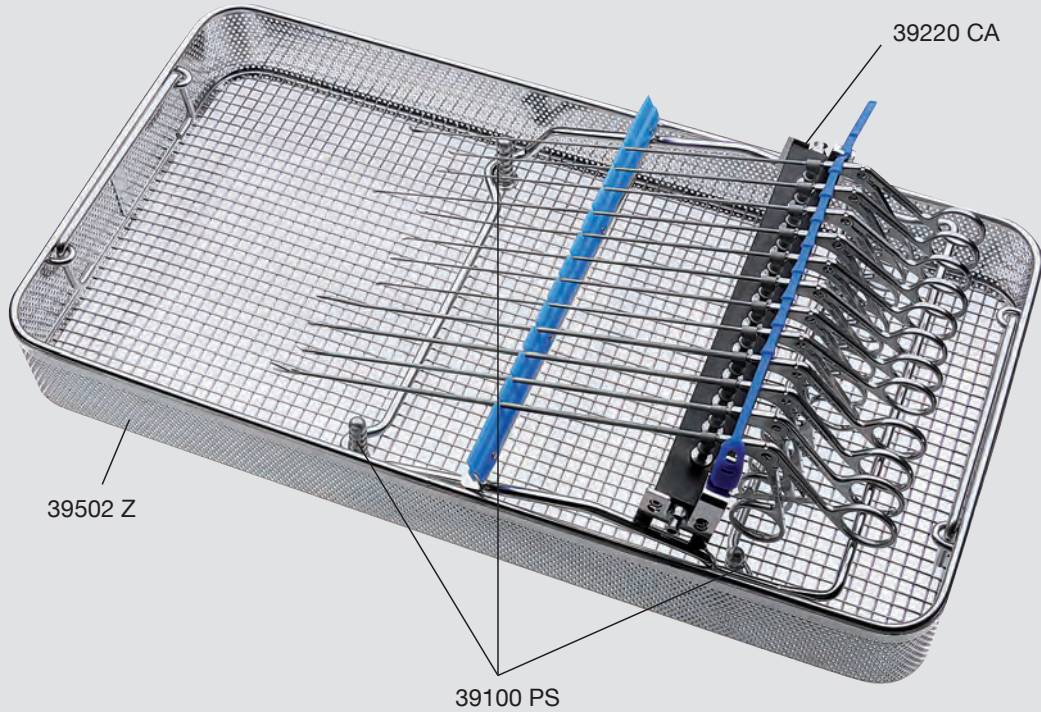
452650 D

Same, jaws angled to the left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Standard Instruments for Rhinology and Rhinoplasty

Recommended Cleaning Rack for Instruments with Cleaning Connectors



39220 CA **Cleaning Rack**, for 12 instruments, for use with SILCUT® instruments and KLEINSASSER instruments with LUER connector

Please note: Wire trays and fixation pins are not included in the delivery of 39220 CA. Please order separately.

39502 Z **Wire Tray for Cleaning, Sterilization and Storage** of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): 480 x 250 x 66 mm

39100 PS **Fixation Pin**, including screw and washer, to screw instruments into position in wire trays, height 38 mm, package of 12, for use with Silicone Tie-Downs 39360 AS

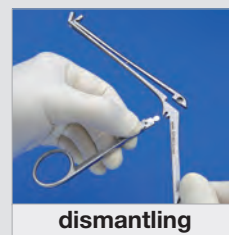
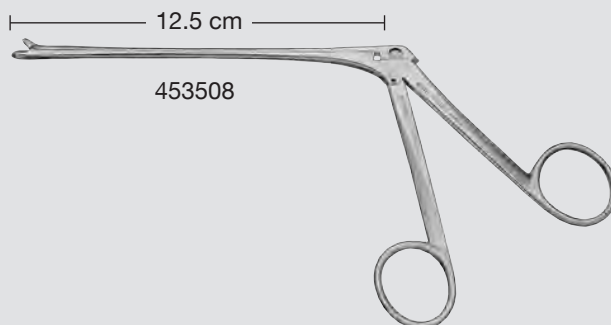
Please note:
The instruments displayed in the wire tray are not included in delivery.

Standard Instruments for Rhinology and Rhinoplasty

Nasal Forceps



Nasal Forceps, working lengths 10.5 and 12.5 cm, dismantling



453508

Nasal Forceps, dismantling, straight, through-cutting, slender model, with flat jaws, bite 3 x 4 mm, working length 12.5 cm



453509

GRÜNWALD-HENKE Nasal Forceps, dismantling, straight, through-cutting, fine, bite 1.25 x 5 mm, working length 12.5 cm



453510

Nasal Forceps, dismantling, straight, through-cutting, robust model, small, bite 2.5 x 6.5 mm, working length 10.5 cm



453710

Nasal Forceps, dismantling, 45° upturned, through-cutting, slender model, with flat jaws, bite 3 x 4 mm, working length 12.5 cm



453721

Nasal Forceps, dismantling, 45° upturned, through-cutting, fine, bite 1.5 x 4 mm, working length 12.5 cm

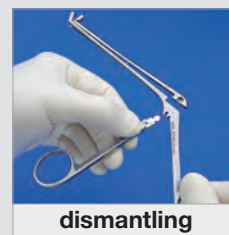
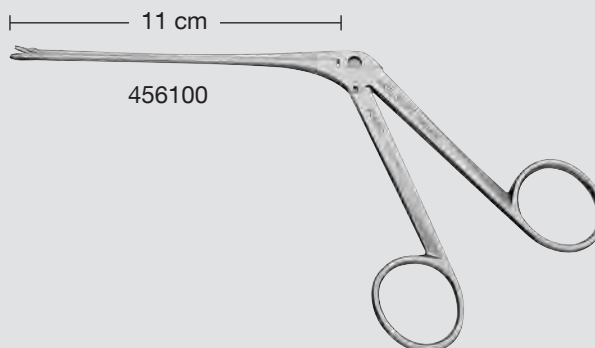
Opening Aid 459999 for Forceps with Lug see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Forceps



Nasal Forceps, working length 11 cm, dismantling



	456100	Nasal Forceps, dismantling , straight, through-cutting, for a smooth cut, BLAKESLEY shape, width 2.5 mm, working length 11 cm
	456101	Same , width 3.5 mm
	456102	Same , width 4.2 mm
	456103	Same , width 4.8 mm
	456111 R	Nasal Forceps, dismantling , curved to right, through-cutting, for a smooth cut, BLAKESLEY shape, width 3.5 mm, working length 11 cm
	456111 L	Same , curved to left
	456120	Nasal Forceps, dismantling , 45° upturned, through-cutting, for a smooth cut, BLAKESLEY shape, width 2.5 mm, working length 11 cm
	456121	Same , width 3.5 mm
	456122	Same , width 4.2 mm
	456123	Same , width 4.8 mm

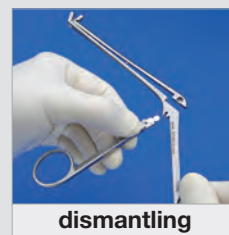
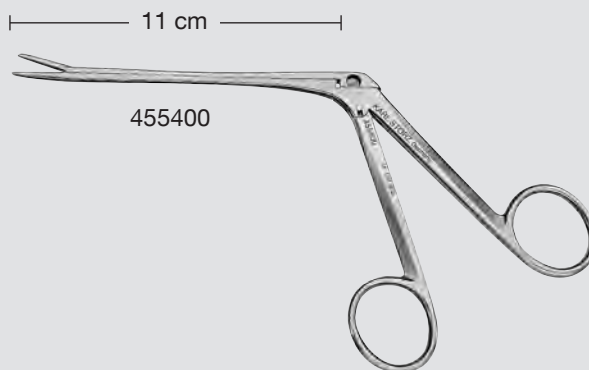
Opening Aid 459999 for Forceps with Lug see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Forceps



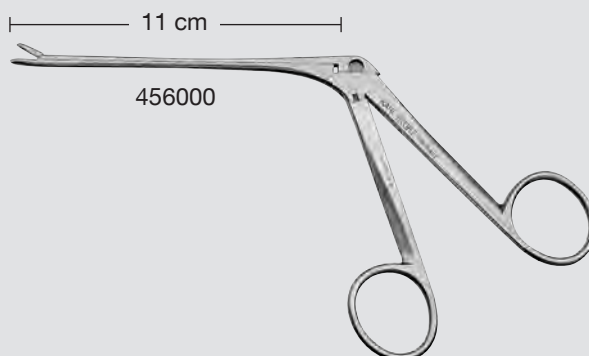
NOYES-HARTMANN Nasal Forceps, working length 11 cm, dismantling



455400

NOYES-HARTMANN Nasal Forceps, dismantling, serrated jaws, working length 11 cm

BLAKESLEY Nasal Forceps, working lengths 11 and 15 cm, dismantling



456000

BLAKESLEY Nasal Forceps, dismantling, straight, size 0, working length 11 cm



456001

Same, size 1



456001 L

Same, size 1, working length 15 cm



456002

BLAKESLEY Nasal Forceps, dismantling, straight, size 2, working length 11 cm



456003

Same, size 3



456004

Same, size 4

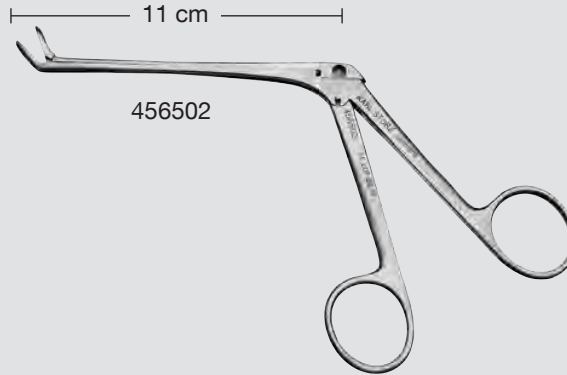
Opening Aid 459999 for Forceps with Lug see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Nasal Forceps



BLAKESLEY-WILDE Nasal Forceps, working length 11 cm, dismantling



456500

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 45° upturned, size 0, working length 11 cm



456501

Same, size 1



456502

Same, size 2



456503

Same, size 3



456504

Same, size 4



456801

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 90° upturned, size 1, working length 11 cm



456802

Same, size 2



456803

Same, size 3



456811

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 90° upturned, slender, long jaws 3.5 x 12 mm, working length 11 cm

BLAKESLEY-WIGAND Nasal Forceps, working length 11 cm, dismantling



457720

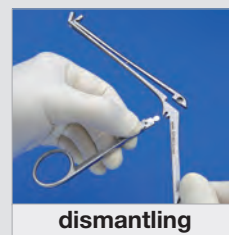
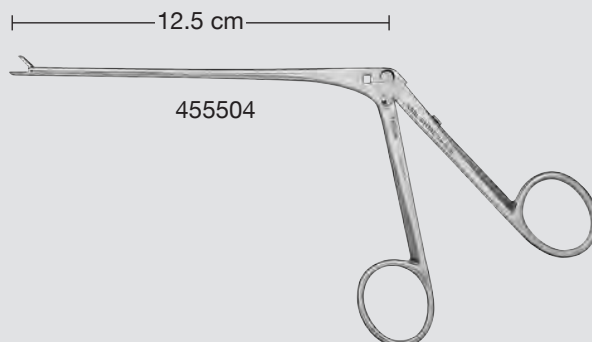
BLAKESLEY-WIGAND **Nasal Forceps, dismantling**, 60° upturned, long jaws 6 x 20 mm, rounded tips, working length 11 cm

Standard Instruments for Rhinology and Rhinoplasty

Nasal Forceps



Nasal Forceps, working lengths 9.5, 11, 12.5 and 15 cm, dismantling



455500 TAKAHASHI **Nasal Forceps, dismantling**, straight, working length 9.5 cm

455500 L TAKAHASHI **Nasal Forceps, dismantling**, straight, diameter 3 mm, working length 15 cm



455504 TAKAHASHI **Nasal Forceps, dismantling**, straight, delicate, working length 12.5 cm



458000 WATSON-WILLIAMS **Nasal Forceps, dismantling**, straight, serrated, working length 11 cm

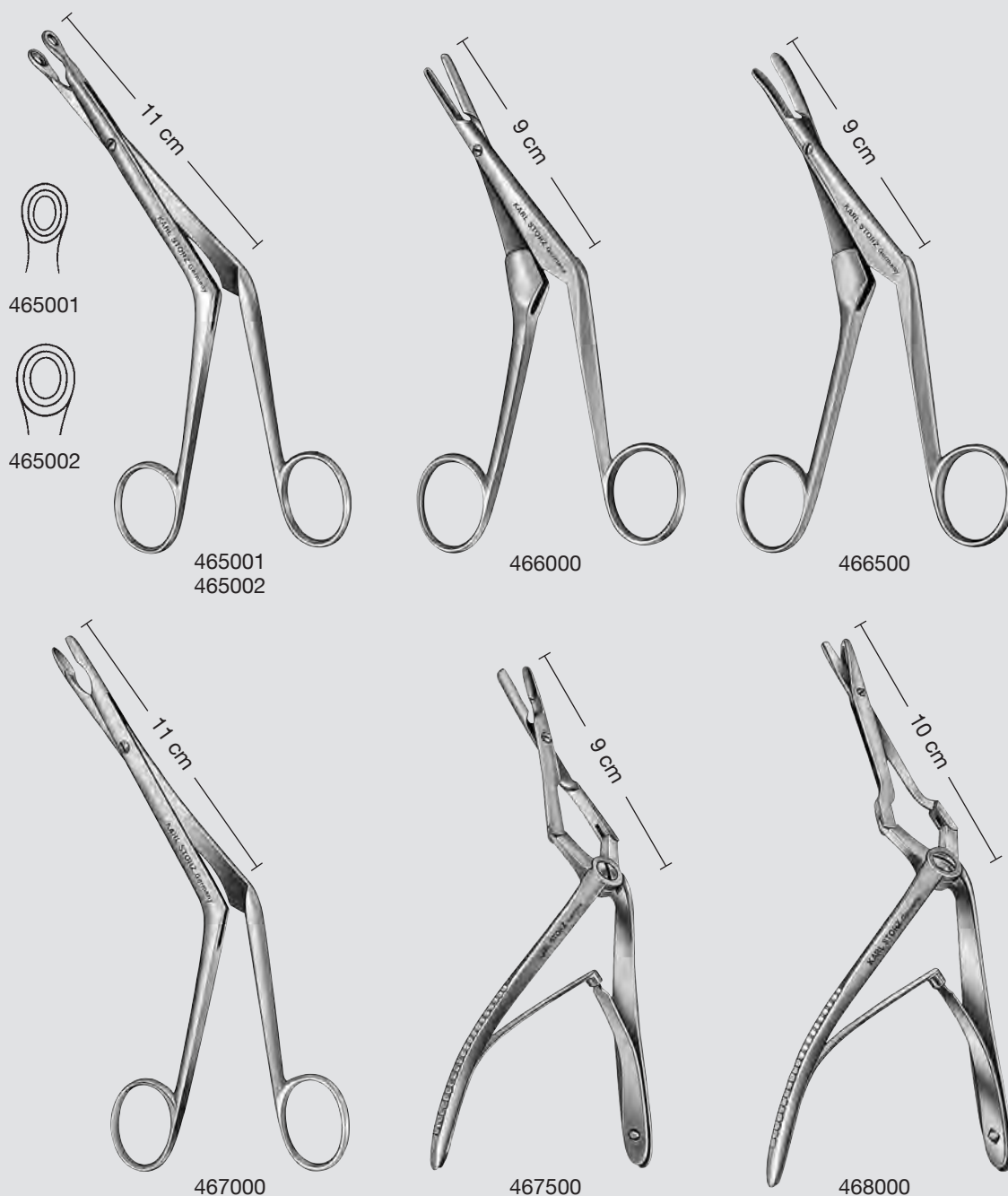


489045 FERRIS-SMITH **Nasal Forceps, dismantling**, serrated, working length 11 cm

Opening Aid 459999 for Forceps with Lug see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Septum Forceps

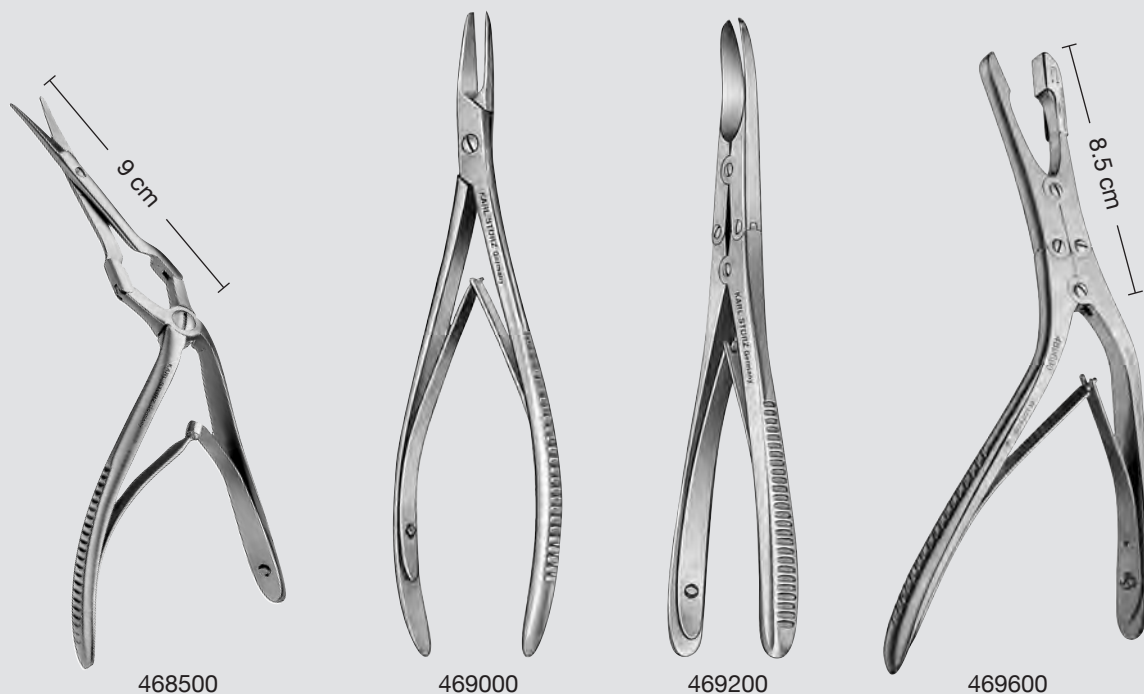


- 465001 BRÜNINGS-LUC **Septum Forceps**, size 1, working length 11 cm
- 465002 **Same**, size 2
- 466000 CRAIG **Septum Forceps**, straight, working length 9 cm
- 466500 CRAIG-DOMNICK **Septum Forceps**, curved, working length 9 cm
- 467000 HEYMANN-KNIGHT **Septum Forceps**, straight, working length 11 cm
- 467500 JANSEN **Septum Forceps**, angular, not through-cutting, working length 9 cm
- 468000 JANSEN-MIDDLETON **Septum Forceps**, angular, through-cutting, working length 10 cm

Standard Instruments for Rhinology and Rhinoplasty

Septum Scissors, Forceps, Septum Morcelizer

STORZ
KARL STORZ — ENDOSKOPE



- 468500 BECKER-CAPLAN **Septum Scissors**, with double joint, serrated, working length 9.5 cm
- 469000 KAZANJIAN **Forceps**, length 20 cm
- 469200 ROWLAND-MEYER **Nasal Hump Forceps**, with double joint, curved blades, length 20 cm
- 469600 RUBIN **Septum Morcelizer**, with double joint, working length 8.5 cm

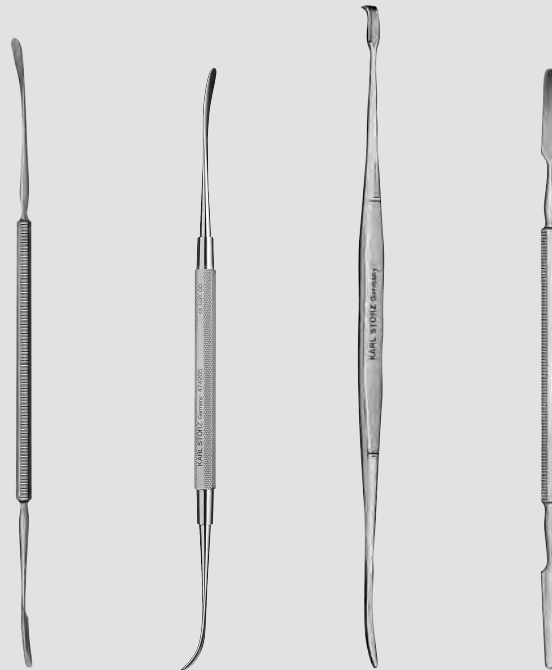
Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Elevators



- 474000 **FREER Elevator**, double-ended, semisharp and blunt, length 20 cm
- 474001 **FREER Suction Elevator**, with stylet, length 19 cm
- 474005 **FREER-JACOBS Elevator**, double-ended, semisharp, one side slightly curved FREER elevator, width 5 mm, other side JACOBS elevator, angled 45°, width 2.5 mm, length 20 cm, for infundibulotomy
- 474007 **FREER-YASARGIL Elevator**, double-ended, length 18.5 cm
- 474010 **HARALDSSON Suction Elevator**, with rotatable tube olive, with scale, length 19 cm
- 474015 **CASTELNUOVO Suction Elevator**, flat tip 5 x 1.8 mm, lateral suction opening, bayonet-shaped, with grip plate, length 21 cm
- 474016 **Same**, flat tip 3 x 1.8 mm
- 474025 **Elevator**, double-ended, both sides sharp, length 22 cm



474200

474205

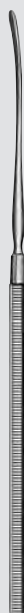
474210

474519

- 474200 **FREER-JOSEPH Elevator**, double-ended, slender, semisharp and sharp, length 20 cm
- 474205 **FREER-WEBER Elevator**, double-ended, one side slightly curved FREER elevator, semisharp, other side strongly curved, sharp, length 19 cm
- 474210 **HOWARTH Elevator**, double-ended, sharp and blunt, length 21 cm
- 474519 **KILLIAN Elevator**, double-ended, standard model, sharp and blunt, length 19 cm

Standard Instruments for Rhinology and Rhinoplasty

Elevators, Raspatories, Swivel Knives



477004



477500



477703
477704



478000



478100

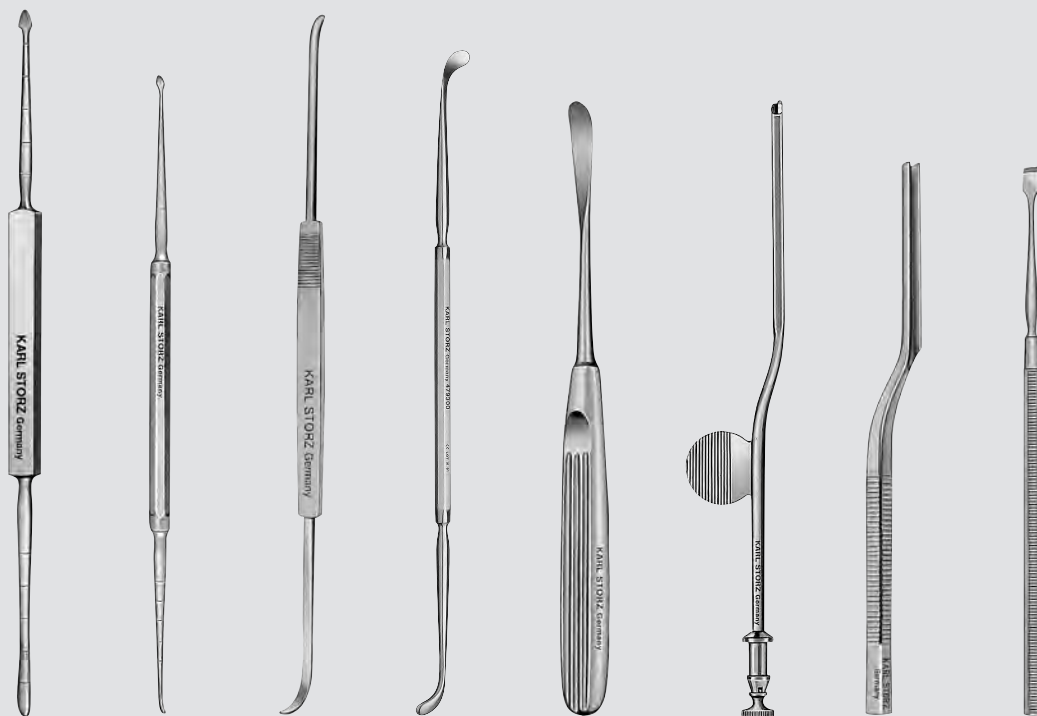


478303 –
478305

- 477004 HALLE **Elevator**, blunt, width 4 mm, length 19 cm
 477500 FREER **Raspatory**, curved, width 4 mm, length 16.5 cm
 477703 BALLENGER **Swivel Knife**, bayonet-shaped, width 3 mm, length 19.5 cm
 477704 **Same**, width 4 mm
 478000 JOSEPH **Raspatory**, slightly curved, length 17.5 cm
 478100 JOSEPH-MASING **Raspatory**, slightly curved, bayonet-shaped, length 21 cm
 478303 McKENTY **Raspatory**, width 3 mm, length 14.5 cm
 478304 **Same**, width 4 mm
 478305 **Same**, width 5 mm

Standard Instruments for Rhinology and Rhinoplasty

Elevatories, Raspatories, Chisels



479000 479100 479200 479300 479408 479800 480000 480800

- 479000 **MASING Elevator**, double-ended, graduated, sharp and blunt, length 22.5 cm
- 479100 **COTTLE Elevator**, double-ended, semisharp and blunt, graduated, length 20 cm
- 479200 **COTTLE Raspatory**, double-ended, for tunneling, length 22.5 cm
- 479300 **PENNINGTON Elevator**, double-ended, curved to the right and left, length 21 cm
- 479408 **COTTLE Raspatory**, slightly curved, width 8 mm, length 19.5 cm
- 479800 **Suction Raspatory**, with stylet, length 19.5 cm
- 480000 **KILLIAN-CLAUS Septum Chisel**, V-shaped cutting edge, length 16.5 cm
- 480800 **FREER Septum Chisel**, straight, length 16.5 cm

Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Mallets, Chisels

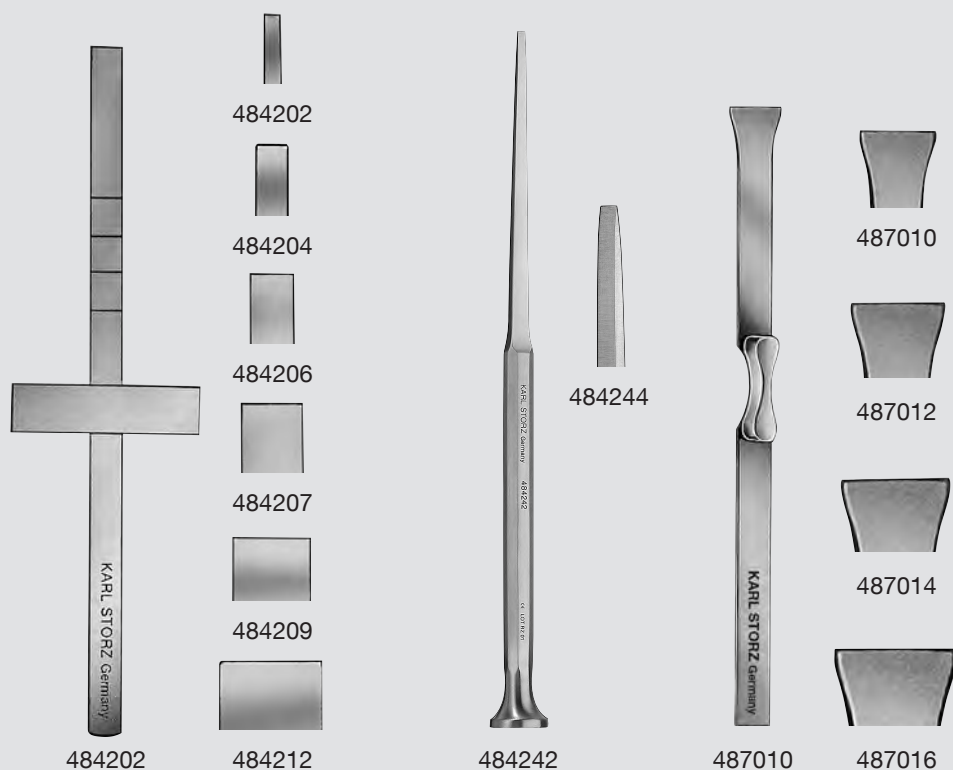


- 174200 COTTLE **Metal Mallet**, length 18 cm
- 174426 **Metal Mallet**, medium model, diameter 26 mm, length 19.5 cm
- 174430 **Metal Mallet**, large model, diameter 30 mm, length 19.5 cm
- 174700 **Metal Mallet**, with plastic replacement head, small, lightweight model, length 18 cm
- 174800 **Metal Mallet**, with plastic replacement head, length 22.5 cm
- 484003 COTTLE **Chisel**, flat, graduated, straight, width 3 mm, length 18.5 cm
- 484004 **Same**, width 4 mm
- 484006 **Same**, width 6 mm
- 484007 **Same**, width 7 mm
- 484009 **Same**, width 9 mm
- 484012 **Same**, width 12 mm
- 484106 COTTLE **Chisel**, flat, graduated, curved, width 6 mm, length 18.5 cm

Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

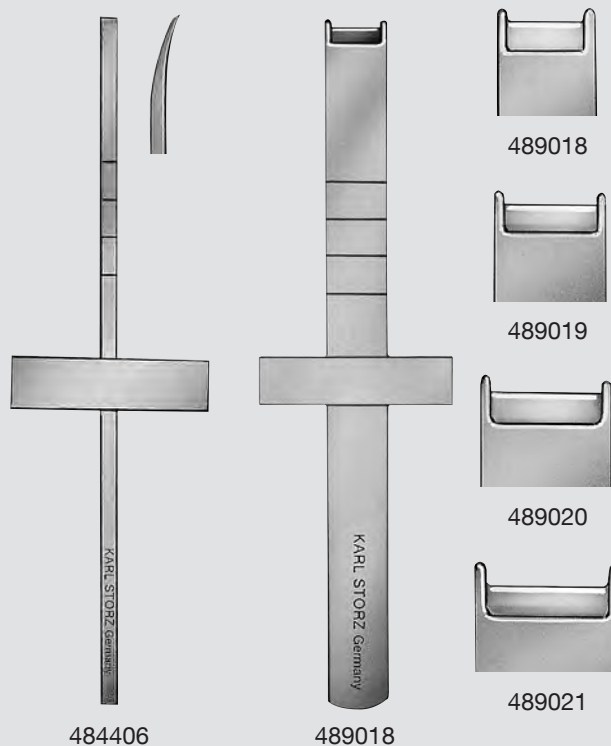
Osteotomes



- 484202 COTTLE **Crossbar Osteotome**, graduated, double-edged grinding, straight, width 2 mm, length 18.5 cm
- 484204 **Same**, width 4 mm
- 484206 **Same**, width 6 mm
- 484207 **Same**, width 7 mm
- 484209 **Same**, width 9 mm
- 484212 **Same**, width 12 mm
- 484242 **Osteotome**, straight, double-edged grinding, width 2 mm, length 19 cm
- 484244 **Same**, width 4 mm
- 487010 RUBIN **Osteotome**, flat, straight, double-edged grinding, rounded corners, with finger grip for osteotome guidance, width of cut 10 mm, length 16.5 cm
- 487012 **Same**, width 12 mm
- 487014 **Same**, width 14 mm
- 487016 **Same**, width 16 mm

Standard Instruments for Rhinology and Rhinoplasty

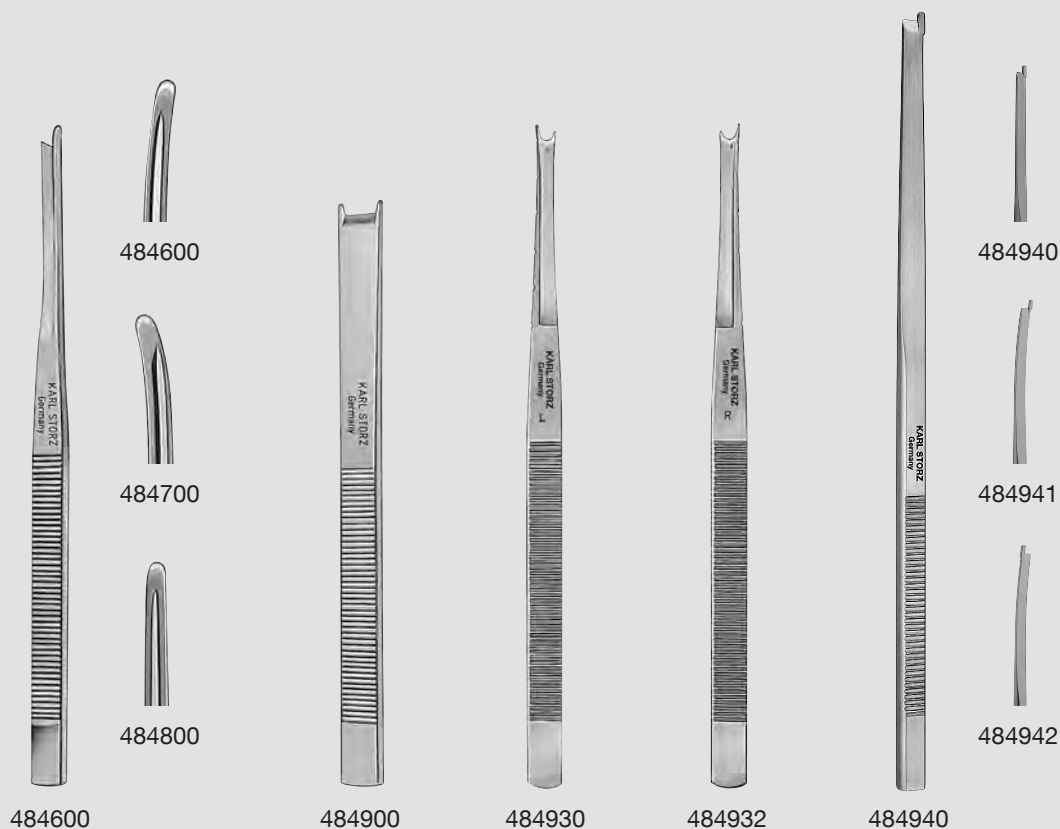
Chisels, Osteotomes



- 484406 COTTLE **Crossbar Chisel**, graduated, single-edged grinding, curved, width 6 mm, length 18.5 cm
- 489018 COTTLE **Crossbar Osteotome**, graduated, double-edged grinding, double-guarded, width of cut 10 mm, length 18.5 cm
- 489019 **Same**, width of cut 12 mm
- 489020 **Same**, width of cut 14 mm
- 489021 **Same**, width of cut 16 mm

Standard Instruments for Rhinology and Rhinoplasty

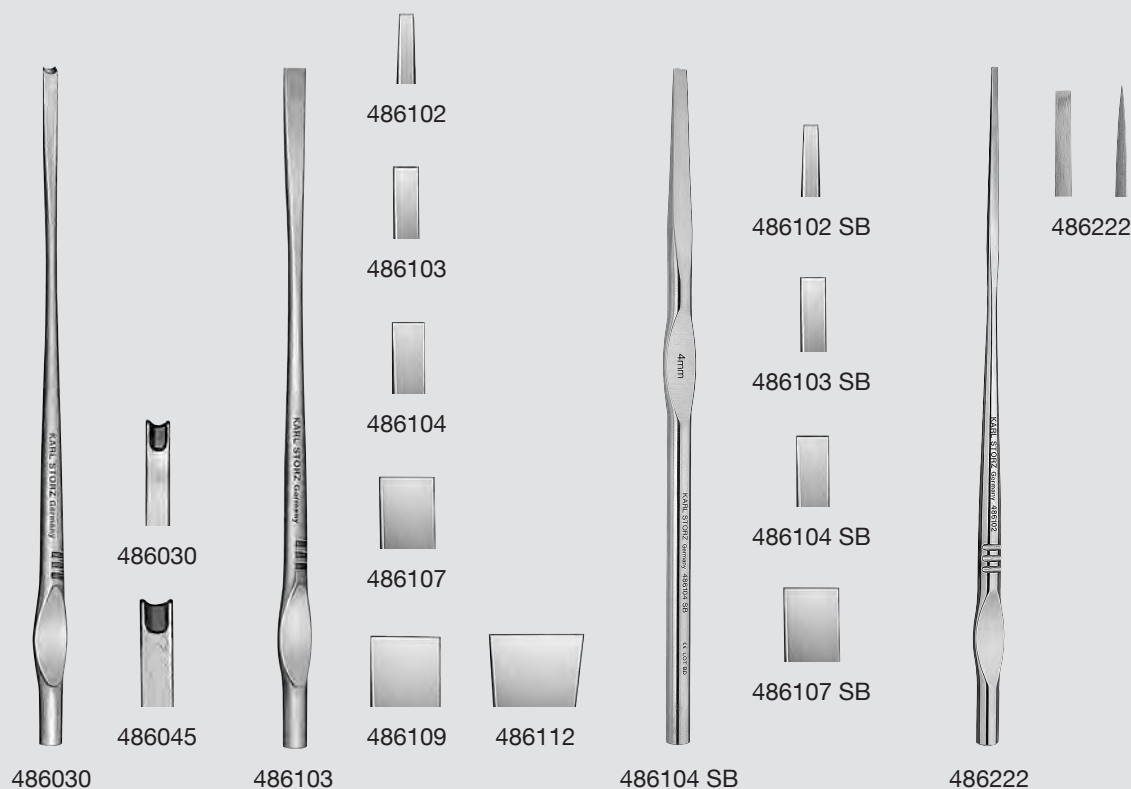
Chisels, Osteotomes



- 484600 **MASING Chisel**, slightly curved, with rounded guard right side, length 18 cm
- 484700 **Same**, on left
- 484800 **Same**, straight
- 484900 **MASING Chisel**, straight, double-guarded, width of cut 10 mm, length 16 cm
- 484930 **GUASTELLA-EY Osteotome**, graduated, slightly curved, lateral guard left, length 18 cm
- 484932 **Same**, guard right
- 484940 **Osteotome**, with small guard, straight, length 20 cm
- 484941 **Same**, right
- 484942 **Same**, left

Standard Instruments for Rhinology and Rhinoplasty

Gouges, Osteotomes

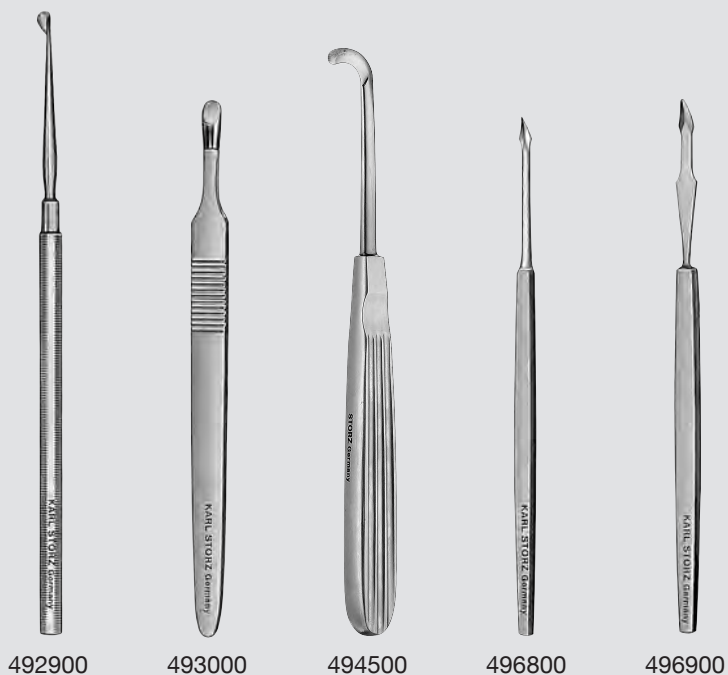


- 486030 WALTER **Gouge**, hollow, width 3 mm, length 19 cm
 486045 **Same**, width 4.5 mm
- 486102 WALTER **Osteotome**, flat, double-edged grinding, width 2 mm, length 19 cm
 486103 **Same**, width 3 mm
 486104 **Same**, width 4 mm
 486107 **Same**, width 7 mm
 486109 **Same**, width 9 mm
 486112 **Same**, width 12 mm
- 486102 SB **Osteotome**, flat, double-edged grinding, with enlarged distal finger grip plate, width 2 mm, length 19 cm
 486103 SB **Same**, width 3 mm
 486104 SB **Same**, width 4 mm
 486107 SB **Same**, width 7 mm
- 486222 BEHRBOHM-WALTER **Micro Osteotome**, extra delicate, long flat blade, double-edged grinding, with round handle and finger grip plate, width 2 mm, length 19 cm

Further Osteotomes and Chisels see pages 142, 146

Standard Instruments for Rhinology and Rhinoplasty

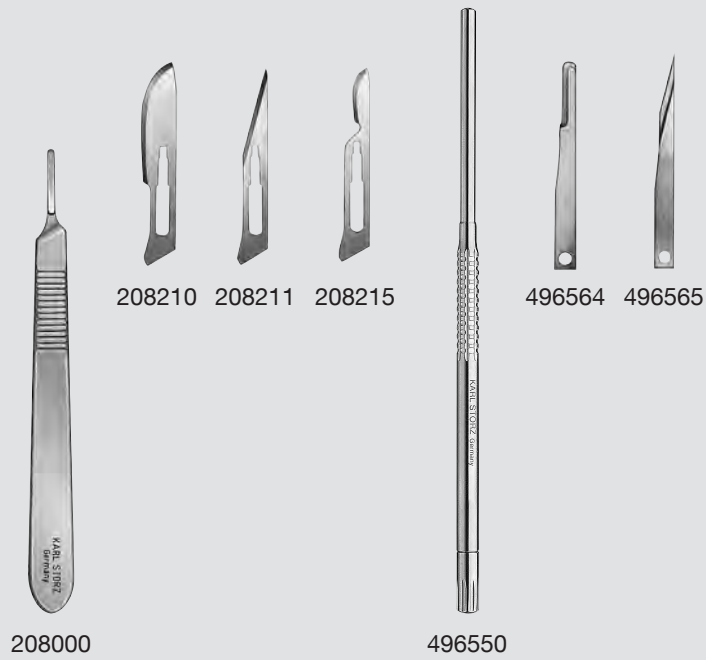
Knives



- 492900 FREER **Nasal Knife**, rounded edge, length 16.5 cm
- 493000 COTTLE **Nasal Knife**, rounded edge, length 14 cm
- 494500 JOSEPH **Knife**, curved, backward cutting, double beveled, length 15 cm
- 496800 **Nasal Knife**, curved, roundly tipped blade, width 4.5 mm, length 13.5 cm
- 496900 MASING **Nasal Knife**, curved, roundly tipped blade, length 14 cm

Standard Instruments for Rhinology and Rhinoplasty

Blades, Surgical Handles



208000

Surgical Handle, Fig. 3, length 12.5 cm, for Blades 208010 – 15, 208210 – 15

208210

Blade, Fig. 10, sterile, for single use, package of 100

208211

Same, Fig. 11

208215

Same, Fig. 15

496550

Surgical Handle, for miniature blades, round, length 16.5 cm, for Blades 496564 – 65

496564

Miniature Blade, Fig. 64, round, sterile, for single use, package of 25

496565

Miniature Blade, Fig. 65, pointed, sterile, for single use, package of 25

STERILE 

STERILE 

STERILE 

Standard Instruments for Rhinology and Rhinoplasty

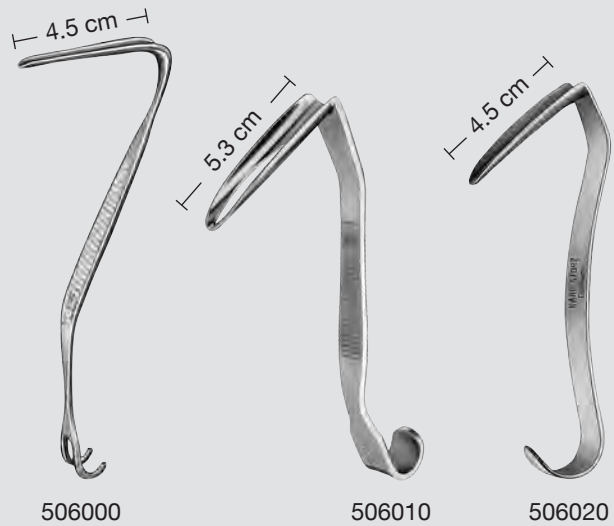
Retractors, Hooks

	505200		499001		499003		499101		499201		505100		505210
	498000		498400		499001		499003		499101		499202		505211
	499201 - 499212		499205		499207		499210		499212		505000		505210 - 505213
	505230		505230		505230		505230		505230		505230		505230

498000	JOSEPH Retractor , length 15.5 cm	505000	COTTLE Retractor , two prongs, sharp prong on left, blunt prong on right, width 10 mm, length 14.5 cm
498400	COTTLE Retractor , narrow (standard model), length 14 cm	505100	Same , sharp prong on right, blunt prong on left
499001	KILNER-GILLIES Hook , one prong, small curve, length 17 cm	505200	COTTLE Retractor , two prongs, sharp, with thimble, width 10 mm, length 5.5 cm
499003	Hook , one prong, large curve, length 18 cm	505210	KILNER Ala Retractor , two prongs, sharp, width 10 mm, length 8.5 cm
499101	Hook , one prong, large curve, length 16.5 cm	505211	Same , blunt
499201	JOSEPH Hook , one prong, sharp, large curve, length 15 cm	505213	KILNER Ala Retractor , two prongs, sharp, width 13 mm, length 8.5 cm
499202	JOSEPH Hook , two prongs, sharp, width 2 mm, length 15 cm	505230	HARALDSSON Double Hook , two prongs, blunt, width 10 and 14 mm, length 8 cm
499205	Same , width 5 mm		
499207	Same , width 7 mm		
499210	Same , width 10 mm		
499212	Same , small curve, width 12 mm		

Standard Instruments for Rhinology and Rhinoplasty

Retractors, Nasal Retractors



- 505600 SENN **Retractor**, double-ended, blunt, length 15 cm
- 505610 SENN-MÜLLER **Retractor**, double-ended, one side with 3 sharp prongs, other side with blunt blade, length 16 cm
- 505700 COTTLE **Knife Guide and Retractor**, one side with two-pronged nostril retractor, other side with flat retractor, with duct for guide of cut, length 19 cm
- 505800 NEIVERT **Knife Guide and Retractor**, made of wire, one side with nostril retractor, other side with flat retractor, length 18 cm
- 506000 WALTER **Nasal Retractor**, double-ended, one side with retractor, width of retractor blade 12 mm, length of retractor blade 45 mm, other side with two pronged retractor for nasal wings, length 12.5 cm
- 506010 FULEIHAN **Nasal Retractor**, blade oval fenestrated, width of retractor blade 12 mm, length of retractor blade 53 mm, length 10 cm
- 506020 RETTINGER **Nasal Retractor**, width of retractor blade 11.5 mm, length of retractor blade 45 mm, with flat handle, length 10 cm
- 506400 AUFRICHT **Nasal Retractor**, width of retractor blade 8 mm, length of retractor blade 40 mm, length 16.5 cm
- 506496 **Same**, with fiber optic light carrier

Standard Instruments for Rhinology and Rhinoplasty

“The Diamond Standard®” Scissors

Special Features:

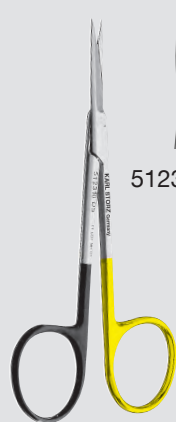
- Good cutting quality
- Razor-sharp lower blade ensures easy and efficient cutting
- Color code: one gold-plated handle ring
- Some models are available with tungsten carbide inserts, color code: one black handle ring, one gold-plated handle ring



- 449002 DS HEYMANN **Nasal Scissors**, medium (standard model), working length 9.5 cm, color code: one gold-plated handle ring
- 511010 DS **Scissors**, extra delicate, straight, sharp/sharp, length 10.5 cm, color code: one gold-plated handle ring
- 511210 DS **Scissors**, extra delicate, curved, sharp/sharp, length 10.5 cm, color code: one gold-plated handle ring
- 511414 DS JOSEPH **Scissors**, curved, length 14 cm, color code: one gold-plated handle ring
- 511514 DS METZENBAUM **Scissors**, curved, length 14.5 cm, color code: one gold-plated handle ring

Standard Instruments for Rhinology and Rhinoplasty

“The Diamond Standard®” Scissors



512310 DS



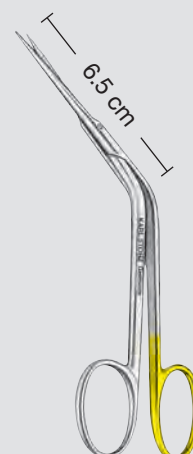
512311 DS



513200 DS



513512 DS

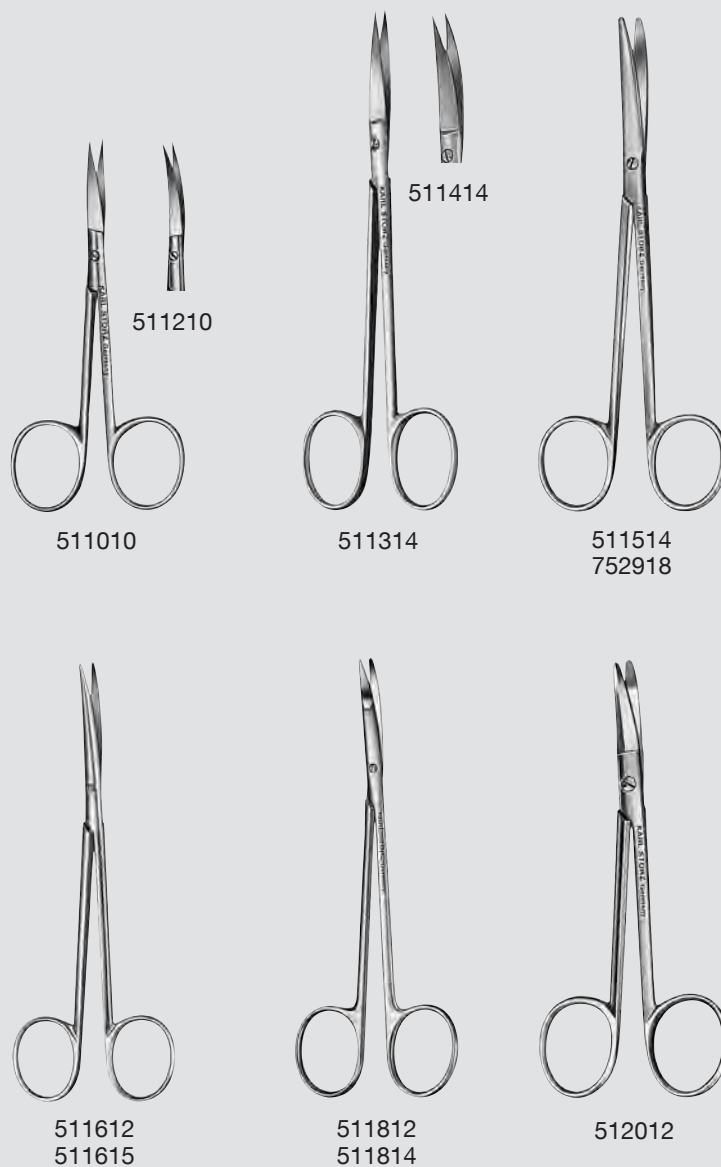


513700 DS

- 512310 DS **Scissors**, with tungsten carbide inserts, straight, sharp/sharp, length 11.5 cm, color code: one black handle ring, one gold-plated handle ring
- 512311 DS **Same**, curved
- 513200 DS **WALTER Angular Scissors**, length 10 cm, color code: one gold-plated handle ring
- 513512 DS **Scissors**, sharp/sharp, length 12 cm, color code: one gold-plated handle ring
- 513700 DS **FOMON Dorsal Scissors**, angular, slender, working length 6.5 cm, color code: one gold-plated handle ring

Standard Instruments for Rhinology and Rhinoplasty

Scissors

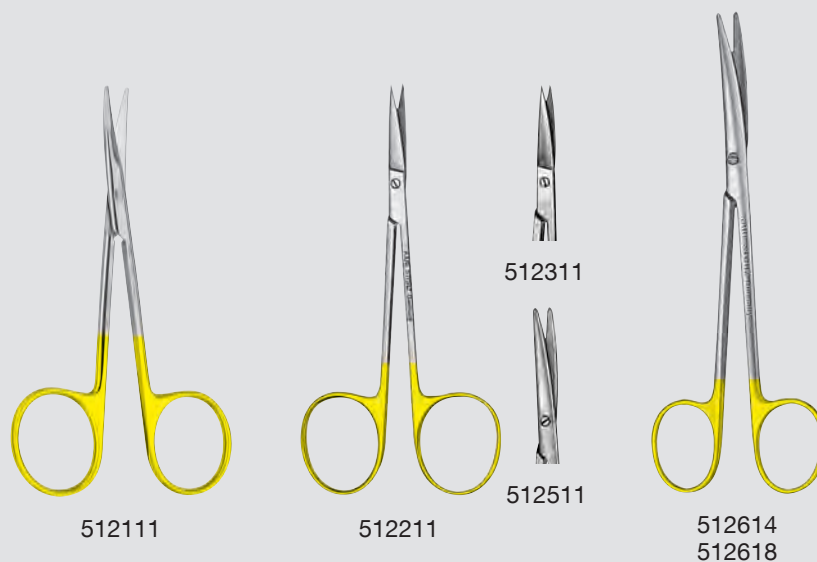


- 511010 **Scissors**, extra delicate, straight, length 10 cm
- 511210 **Same**, curved
- 511314 **JOSEPH Scissors**, straight, length 14 cm
- 511414 **Same**, curved
- 511514 **METZENBAUM Scissors**, curved, length 14 cm
- 752918 **Same**, length 18 cm

- 511612 **METZENBAUM-LAHEY Scissors**, curved, extra slender, length 12 cm
- 511615 **Same**, length 15 cm
- 511812 **KILNER Scissors**, curved, flat tips, length 12.5 cm
- 511814 **Same**, length 14 cm
- 512012 **FOMON Scissors**, curved, length 12 cm

Standard Instruments for Rhinology and Rhinoplasty

Scissors

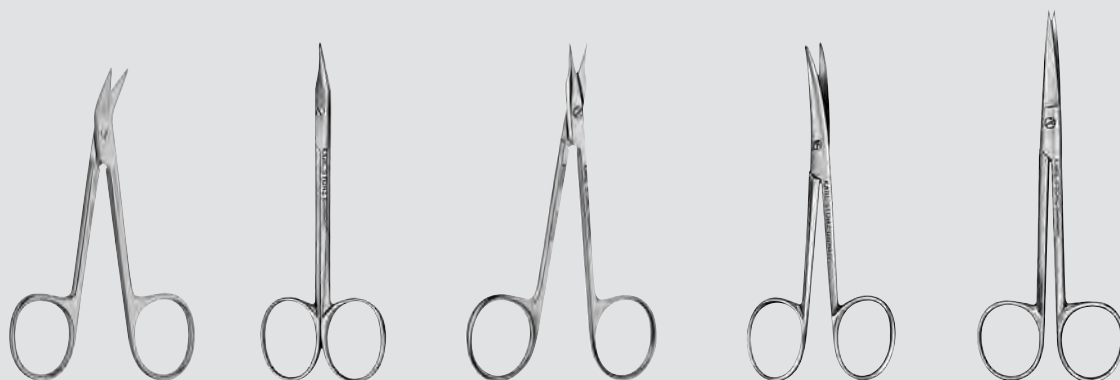


- 512111 **Scissors**, with tungsten carbide inserts, blunt/blunt, curved, double-edged grinding, semisharp outer edge for dissection, length 11.5 cm
- 512211 **Scissors**, with tungsten carbide inserts, straight, sharp/sharp, length 11 cm
- 512311 **Same**, curved
- 512511 **Same**, curved, blunt/blunt
- 512614 METZENBAUM **Scissors**, with tungsten carbide inserts, curved, length 14 cm
- 512618 **Same**, length 18 cm

Standard Instruments for Rhinology and Rhinoplasty

Scissors

STORZ
KARL STORZ — ENDOSKOPE



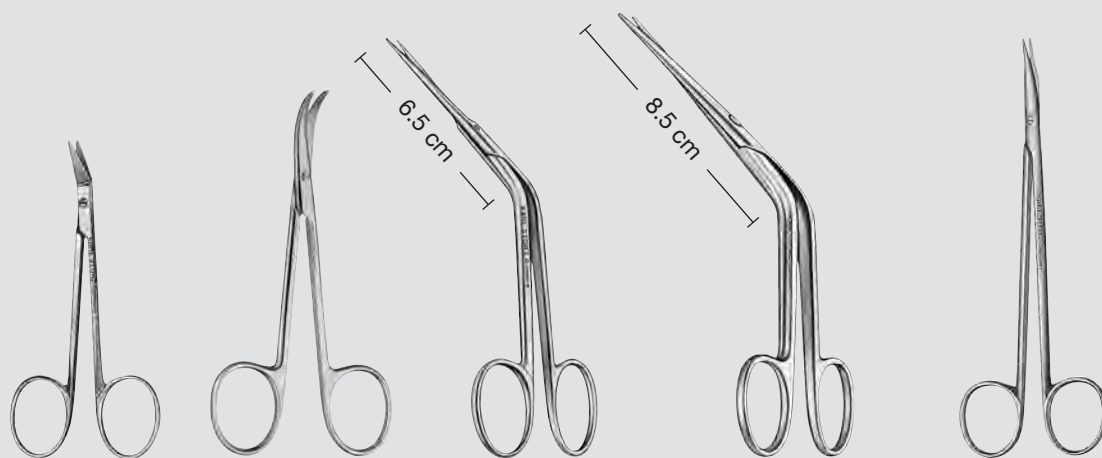
489084

513310

513311

513410

513512



513200

513612

513700

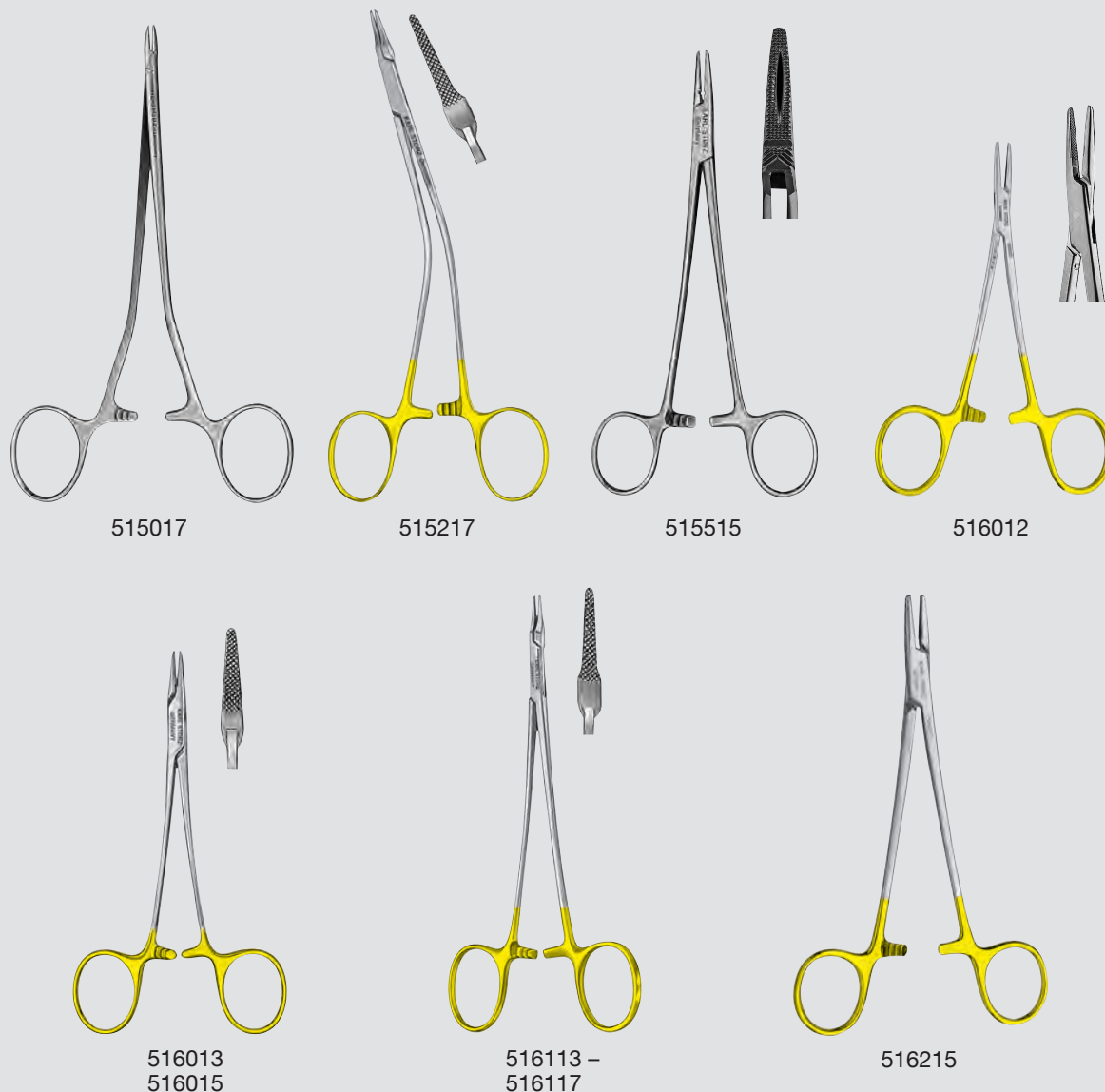
513800

791813
791815

- 489084 **Angular Scissors**, extra delicate, serrated blades, length 9.5 cm
- 513200 **WALTER Angular Scissors**, length 10 cm
- 513310 **STEVENS Scissors**, curved, length 10.5 cm
- 513311 **Same**, straight
- 513410 **COTTLE Scissors**, curved, length 10.5 cm
- 513512 **Scissors**, straight, length 12 cm
- 513612 **FOMON Lower Lateral Scissors**, strongly curved, length 12 cm
- 513700 **FOMON Dorsal Scissors**, angular, serrated blades, slender, working length 6.5 cm
- 513800 **COTTLE Dorsal Scissors**, angular, serrated blades, robust, working length 8.5 cm
- 791813 **REYNOLDS Scissors**, curved, delicate tips, length 13 cm
- 791815 **Same**, length 15 cm

Standard Instruments for Rhinology and Rhinoplasty

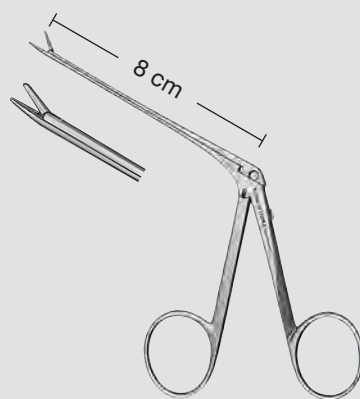
Needle Holders



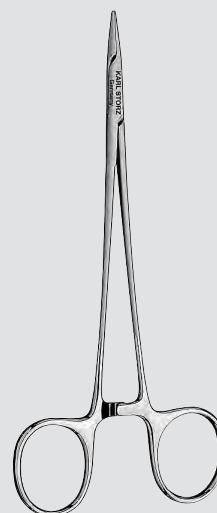
- | | | | |
|--------|---|--------|---|
| 515017 | Needle Holder , slight spring action, length 17 cm | 516013 | Needle Holder , tungsten carbide inserts, length 13 cm |
| 515217 | Needle Holder , intranasal, angled 15°, tungsten carbide inserts, length 17 cm | 516015 | Same , length 15 cm |
| 515515 | CRILE-WOOD Needle Holder , length 15 cm | 516113 | RYDER Needle Holder , tungsten carbide inserts, extra delicate, length 13 cm |
| 516012 | HALSEY Needle Holder , tungsten carbide inserts, length 12 cm | 516115 | Same , length 15 cm |
| | | 516117 | Same , length 17 cm |
| | | 516215 | MAYO-HEGAR Needle Holder , tungsten carbide inserts, particularly robust, length 15 cm |



516513



517000

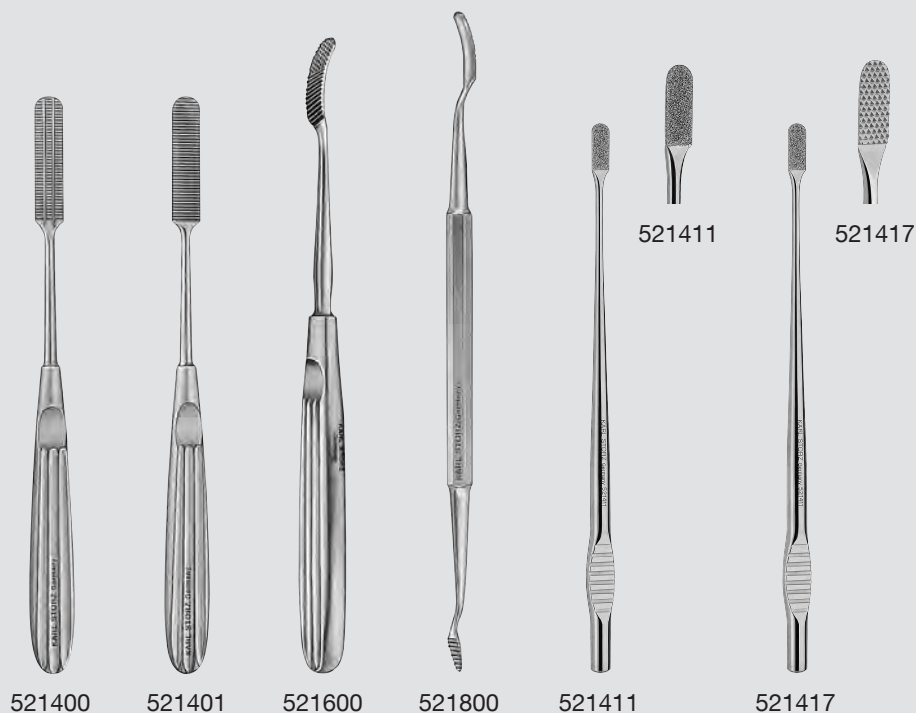


799016

- 516513 NEIVERT-MASING **Needle Holder**, thumb ring upturned, one jaw with groove, length 13 cm
- 517000 MASING **Needle Holder, dismantling**, ear forceps shape, intranasal, smooth jaws, working length 8 cm
- 799016 DRAF **Micro Needle Holder**, extra fine, coated jaws, matt finish, polished handle rings, length 16.5 cm

Standard Instruments for Rhinology and Rhinoplasty

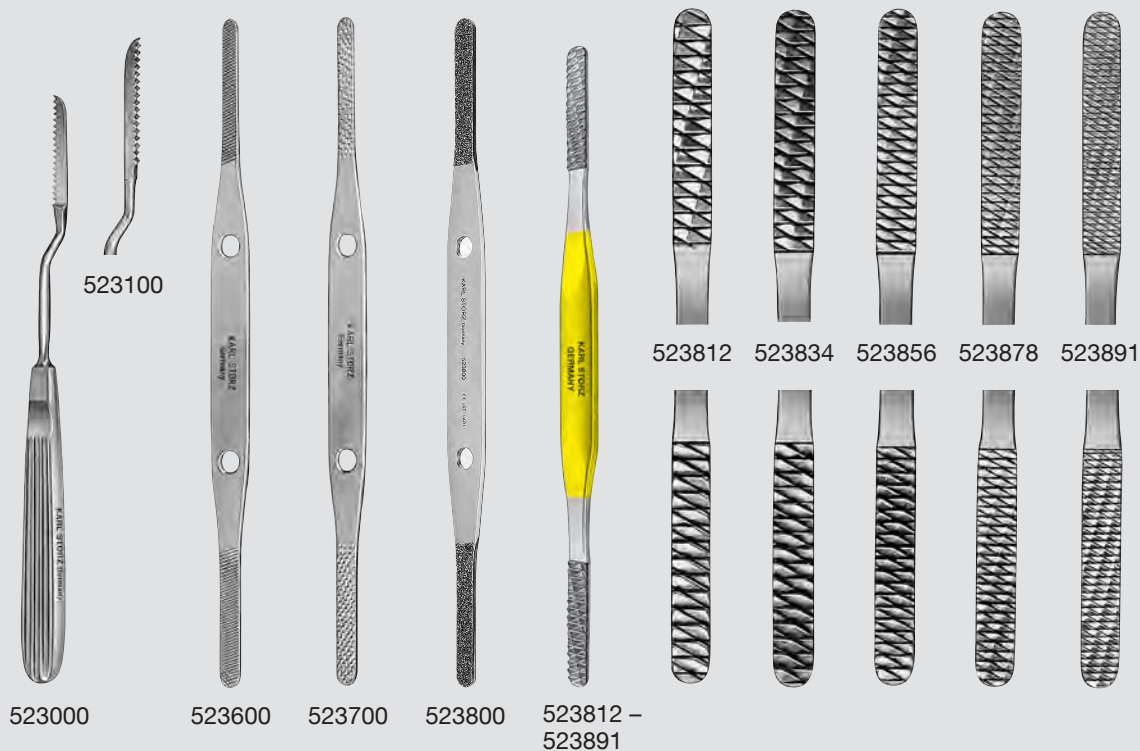
Rasps



- 521400 MALTZ **Nasal Rasp**, coarse teeth, cuts with traction, with two grooves, length 18.5 cm
- 521401 **Same**, without grooves
- 521600 AUFRICHT **Glabella Rasp**, curved, cuts with pressure and traction, length 20 cm
- 521800 **Glabella Rasp**, double-ended, cuts with traction, length 20.5 cm
- 521411 BEHRBOHM **Rasp**, with diamond coating, rasp blade 6 x 15 mm, length 18 cm
- 521417 BEHRBOHM **Rasp**, crosscut, cuts with traction, rasp blade 6 x 15 mm, length 18 cm

Standard Instruments for Rhinology and Rhinoplasty

Saws, Rasps



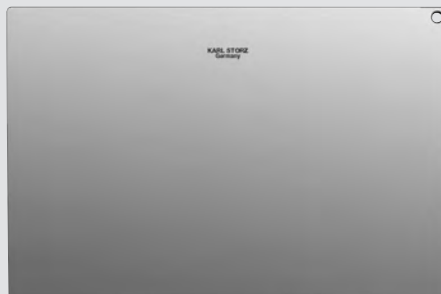
- 523000 **JOSEPH Nasal Saw**, crosswise toothed, bayonet-shaped, right, length 18.5 cm
- 523100 **Same**, left
- 523600 **Nasal Rasp**, double-ended, fine, length 21.5 cm
- 523700 **Same**, coarse (rasp)
- 523800 **RAUNIG Nasal Rasp**, double-ended, with diamond coating, length 21.5 cm
- 523812 **Nasal Rasp**, tungsten carbide, double-ended, rasp blades Fig. 1 and 2, coarse, length 20.5 cm
- 523834 **Same**, rasp blades Fig. 3 and 4, coarse and medium
- 523856 **Same**, rasp blades Fig. 5 and 6, medium
- 523878 **Same**, rasp blades Fig. 7 and 8, medium and fine
- 523891 **Same**, rasp blades Fig. 9 and 10, fine

Standard Instruments for Rhinology and Rhinoplasty

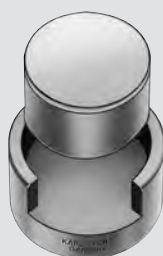
Bone Crusher, Bone and Cartilage Crusher, Metal Tray, Nasal Splints



523900



523913



523910



524110 – 524310

- 523900 COTTLE **Bone Crusher**, with clip, crusher size 5 x 1.5 cm
- 523910 TOLSDORFF **Bone and Cartilage Crusher**, round, to press pieces of bone up to 4 cm evenly extended in all directions
- 523913 **Metal Tray**, for preparing cartilage and bone, with eyelet for towel forceps, size 10 x 15 cm
- 524110 **Nasal Splint**, DENVER model, aluminium, padded, with self-adhesive underside, small, size 56 x 30 mm, package of 10
- 524210 **Same**, medium, size 64 x 36 mm
- 524310 **Same**, large, size 66 x 45 mm

Standard Instruments for Rhinology and Rhinoplasty

Skin Measurement Caliper, Elevator



525510



525800

525510 **CASTROVIEJO Skin Measurement Caliper**, measurement range 0 – 15 mm, length 8 cm

525800 **Elevator**, robust model, for the repositioning of nasal fractures, length 17 cm

Standard Instruments for Rhinology and Rhinoplasty

Septum Straightening Forceps

STORZ
KARL STORZ — ENDOSKOPE



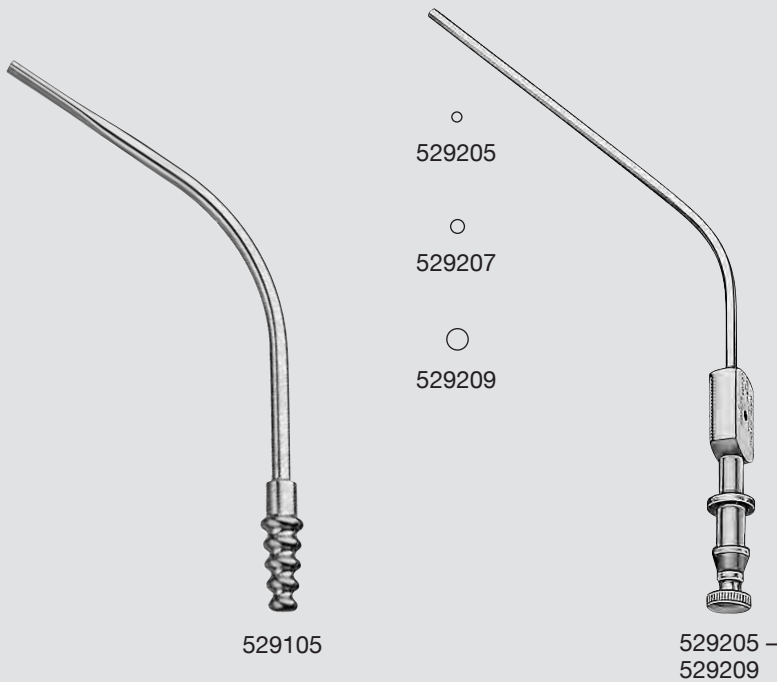
528800



528860

528800 **WALSHAM Septum Straightening Forceps,**
dismantling, length 21 cm

528860 **ASCH Septum Straightening Forceps,**
angular, length 22 cm

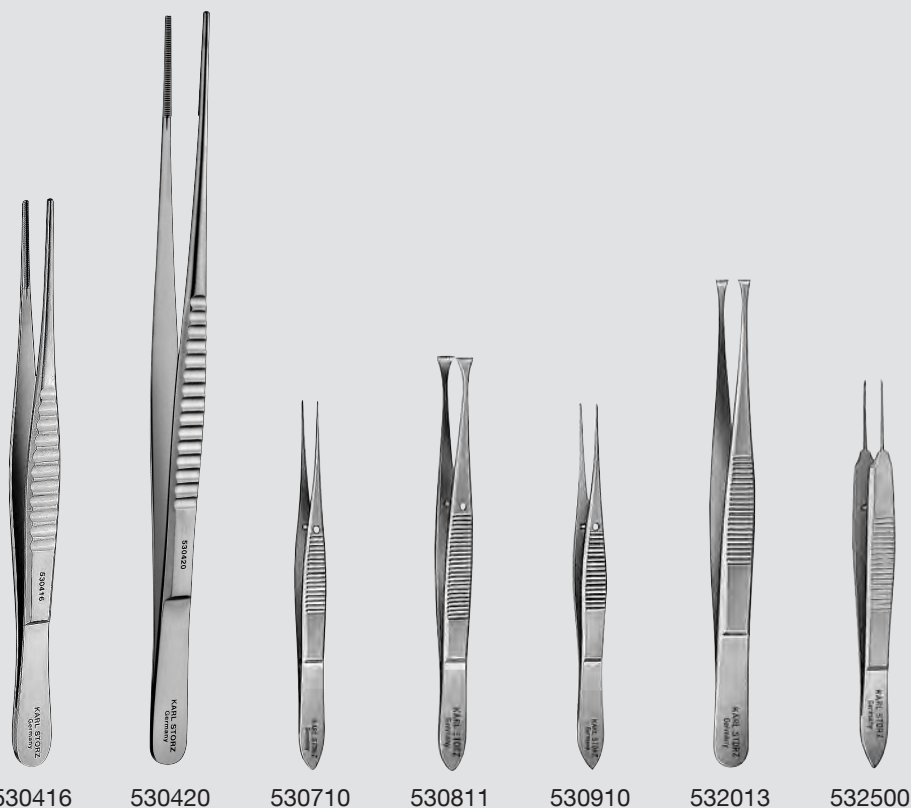


- 529105 **Suction Tube**, curved, outer diameter 5 mm, length 16.5 cm
- 529205 **FRAZIER Suction Tube**, with cut-off hole and stylet, angled, outer diameter 5 Fr./1.5 mm, working length 10 cm, total length 17.5 cm
- 529207 **Same**, outer diameter 7 Fr./2 mm
- 529209 **Same**, outer diameter 9 Fr./3 mm

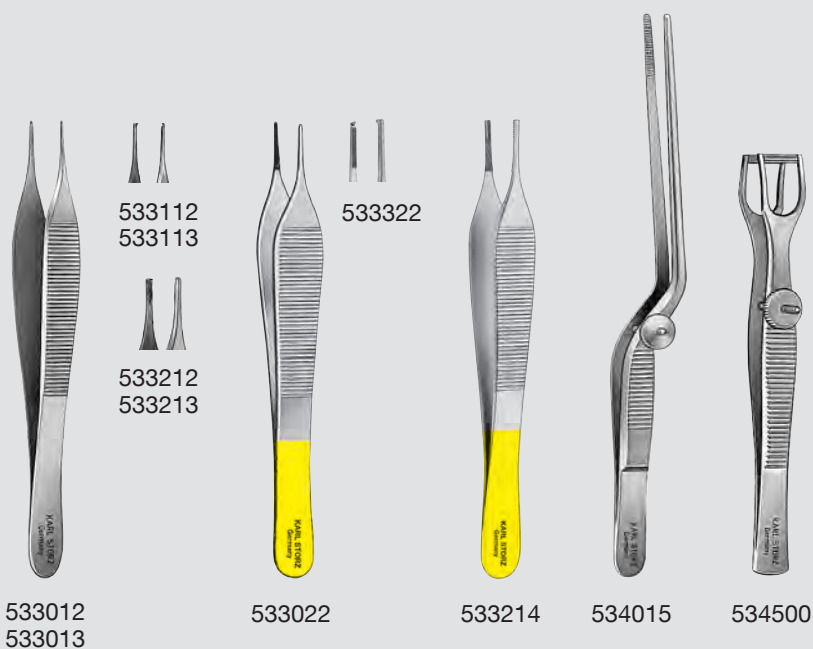
Components/Spare Parts see chapter 13

Standard Instruments for Rhinology and Rhinoplasty

Forceps



- 530416 "ATRAUMA" **Atraumatic Tissue Forceps**, width of jaws 2 mm, length 16 cm
- 530420 "ATRAUMA" **Atraumatic Tissue Forceps**, width of jaws 2 mm, length 20 cm
- 530710 **Dressing Forceps**, delicate, length 10 cm
- 530811 **Tissue Forceps**, with 7 x 8 fine teeth, length 11 cm
- 530910 **Tissue Forceps**, delicate, straight, 1 x 2 teeth, length 10 cm
- 532013 **Tissue Forceps**, straight, with 7 x 8 fine teeth, length 13 cm
- 532500 CASTROVIEJO **Suture Forceps**, 1 x 2 teeth, length 10.5 cm



- 533012 ADSON **Dressing Forceps**, serrated, length 12 cm
533013 **Same**, micro-model
- 533022 ADSON **Dressing Forceps**, serrated, tungsten carbide inserts, length 12 cm
- 533112 ADSON **Tissue Forceps**, 1 x 2 teeth, length 12 cm
533113 **Same**, micro-model
- 533212 ADSON-BROWN **Tissue Forceps**, atraumatic, fine side grasping teeth, length 12 cm
533213 **Same**, micro-model
- 533214 ADSON-BROWN **Tissue Forceps**, atraumatic, fine side grasping teeth, tungsten carbide inserts, width 1.5 mm, length 12 cm
- 533322 ADSON **Tissue Forceps**, serrated, 1 x 2 teeth, tungsten carbide inserts, length 12 cm
- 534015 COTTLE **Lower Lateral Forceps**, bayonet-shaped, with set screw, serrated tips and teeth on the inside, length 15 cm
- 534500 COTTLE **Columella Clamp**, length 11 cm

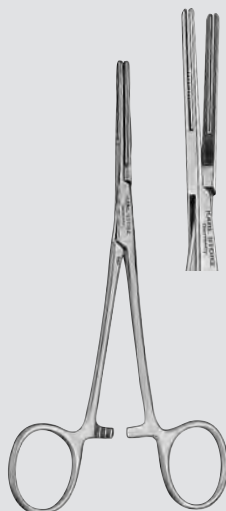
Standard Instruments for Rhinology and Rhinoplasty

AIACH Recommended Set

STORZ
KARL STORZ — ENDOSKOPE



498820



498822

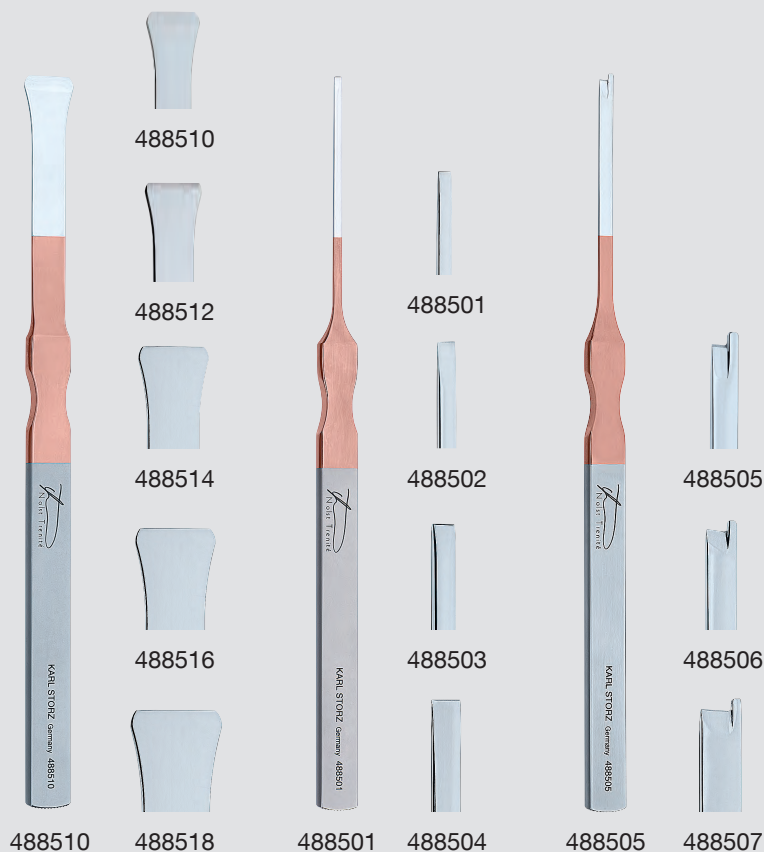


498824

- 498820 AIACH **Grid**, for preparation of cartilage, graduated, size 90 x 50 mm
- 498822 AIACH **Cartilage Graft Forceps**, for grasping and preparation of cartilage, with slotted jaws, length 15 cm
- 498824 AIACH **Cartilage Crusher**, crusher size 5 x 1.5 cm

Special Instruments for Rhinoplasty

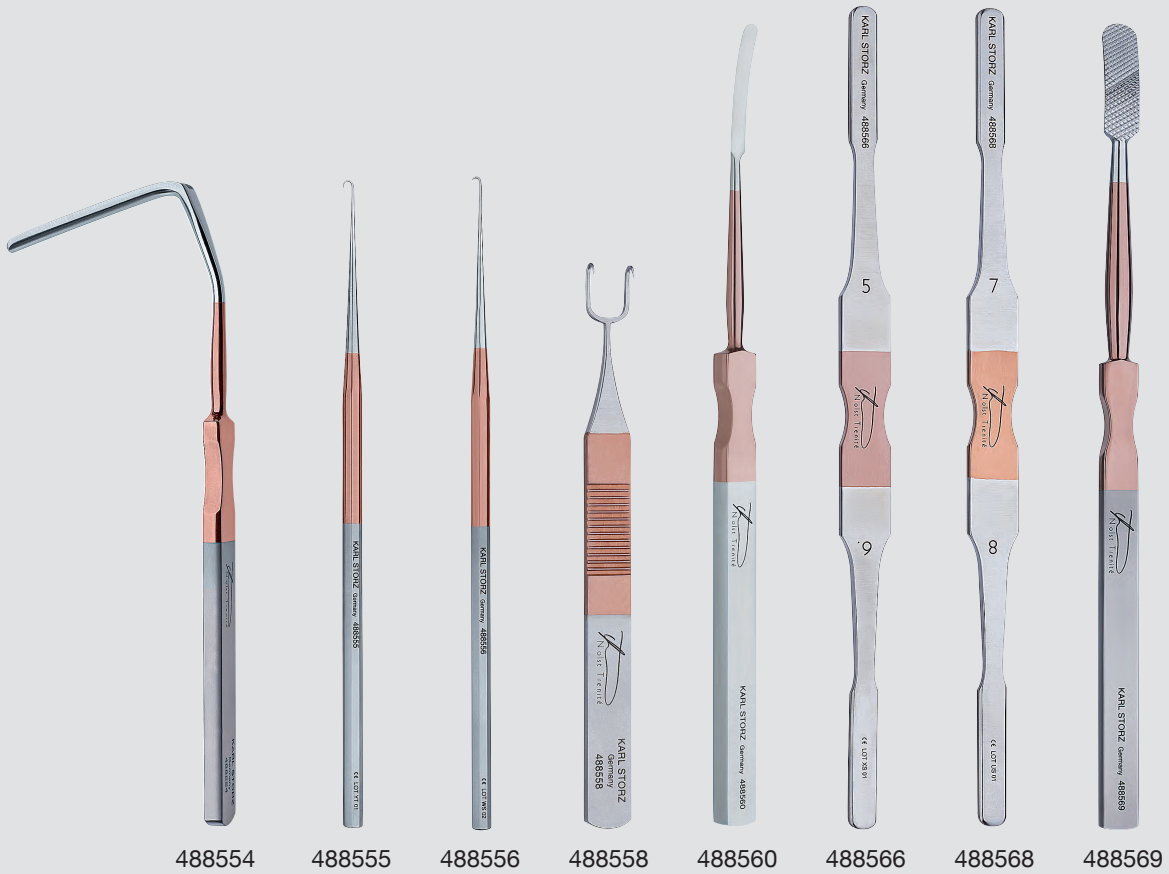
NOLST TRENITÉ Recommended Set



- 488501 **Micro Osteotome**, straight, double-edged grinding, width 2 mm, length 18 cm
- 488502 **Same**, width 2.5 mm
- 488503 **Same**, width 3 mm
- 488504 **Same**, width 4 mm
- 488505 **Micro Osteotome**, straight, with rounded guard, width 2.2 mm, length 18 cm
- 488506 **Same**, width 3 mm
- 488507 **Same**, width 4 mm
- 488510 **Osteotome**, straight, double-edged grinding, rounded corners, with recessed grip, width of cut 10 mm, length 18 cm
- 488512 **Same**, width of cut 12 mm
- 488514 **Same**, width of cut 14 mm
- 488516 **Same**, width of cut 16 mm
- 488518 **Same**, width of cut 18 mm

Special Instruments for Rhinoplasty

NOLST TRENTÉ Recommended Set



- 488554 **AUFRICHT Nasal Retractor**, width of retractor blade 8.5 mm, length of retractor blade 45 mm, length 15 cm
- 488555 **Hook**, one prong, sharp, length 15 cm
- 488556 **Hook**, two prongs, sharp, length 15 cm
- 488558 **Hook**, two prongs, sharp, width 10 mm, length 12 cm
- 488560 **JOSEPH Raspatory**, length 20 cm
- 488566 **Bone Rasp**, tungsten carbide, double-ended, rasp blades Fig. 5 and 6, medium, length 21 cm
- 488568 **Bone Rasp**, tungsten carbide, double-ended, rasp blades Fig. 7 and 8, medium and fine, length 21 cm
- 488569 **Glabella Rasp**, curved, push-pull cut, length 20 cm

Special Instruments for Rhinoplasty

NOLST TRENITÉ Recommended Set



488540

488540

COTTLE Bone Crusher, with clip,
crusher size 5 x 1.5 cm

Special Instruments for Rhinoplasty

BERGHAUS Recommended Set



488052



488061



488063



488064



488075

488052 **Nasal Retractor**, special matt finish, 9 x 23 mm

488061 **Double Hook**, with octagonal handle, with 2 strongly curved points, special matt finish, width 3.5 mm, length 16.5 cm

488063 **Double Hook**, with octagonal handle, with 2 strongly curved points, special matt finish, width 8.5 mm, length 16.5 cm

488064 **Double Hook**, with octagonal handle, with 2 strongly curved points, special matt finish, width 10.5 mm, length 16.5 cm

488075 **Raspary**, with special distal grinding, special matt finish, length 18 cm

Special Instruments for Rhinoplasty

BERGHAUS Recommended Set



488002



488003



488004



488010



488010



488012



488014



488018



488022



488022



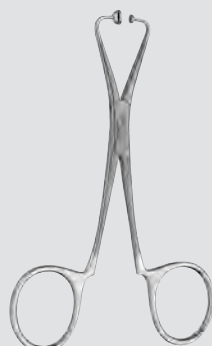
488023



488024



174200



488030

488002

COTTLE Nasal Speculum, extra slender, without set screw, special matt finish, blade length 35 mm, length 13 cm

488003

Same, blade length 55 mm

488004

Same, blade length 75 mm

488010

RUBIN Osteotome, flat, straight, double-edged grinding, rounded corners, with finger grip for osteotome guidance, special matt finish, width 10 mm, length 16.5 cm

488012

Same, width 12 mm

488014

Same, width 14 mm

488018

KILLIAN-CLAUS Septum Chisel, with V-shaped cutting edge, special matt finish, width 5 mm, length 16.5 cm

488022

Chisel, with finger button, flat, special matt finish, width 2 mm, length 18 cm

488023

Same, width 3 mm

488024

Same, width 4 mm

174200

COTTLE Metal Mallet, length 18 cm

488030

Marking Instrument, for nasal tip, with ball and half cup, straight, special matt finish, length 11 cm

Special Instruments for Rhinoplasty

BERGHAUS instruments with special matt finish and high-gloss polished working tips



488032 HEYMANN **Nasal Scissors**, medium size, working length 9.5 cm

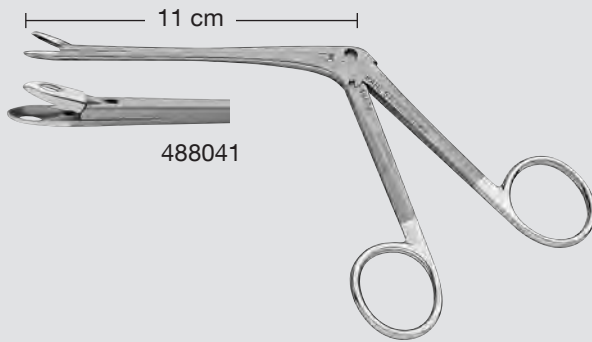
488034 CRAIG **Septum Forceps**, straight, working length 9 cm

488036 BECKER-CAPLAN **Septum Scissors**, with double joint, serrated, slender, working length 9.5 cm

488038 RUBIN **Septum Morcelizer**, with double joint, straight, length 20 cm

Special Instruments for Rhinoplasty

BERGHAUS instruments with special matt finish and high-gloss polished working tips



488041



488049



488050



488044



488045
488047



488046

488041

BLAKESLEY Nasal Forceps, dismantling, slender, straight, size 1, working length 11 cm

488044

JANSEN Nasal Dressing Forceps, bayonet-shaped, slender, length 16 cm

488045

ADSON-BROWN Forceps, micro-model, with scale, atraumatic, fine side grasping teeth, length 12 cm

488046

ADSON Tissue Forceps, with scale, atraumatic, fine side grasping teeth, length 15 cm

488047

ADSON Tissue Forceps, 1 x 2 teeth, length 12 cm

488049

KILNER Scissors, curved, with tungsten carbide inserts, flat tips, sharp/sharp, extra delicate, length 13.5 cm

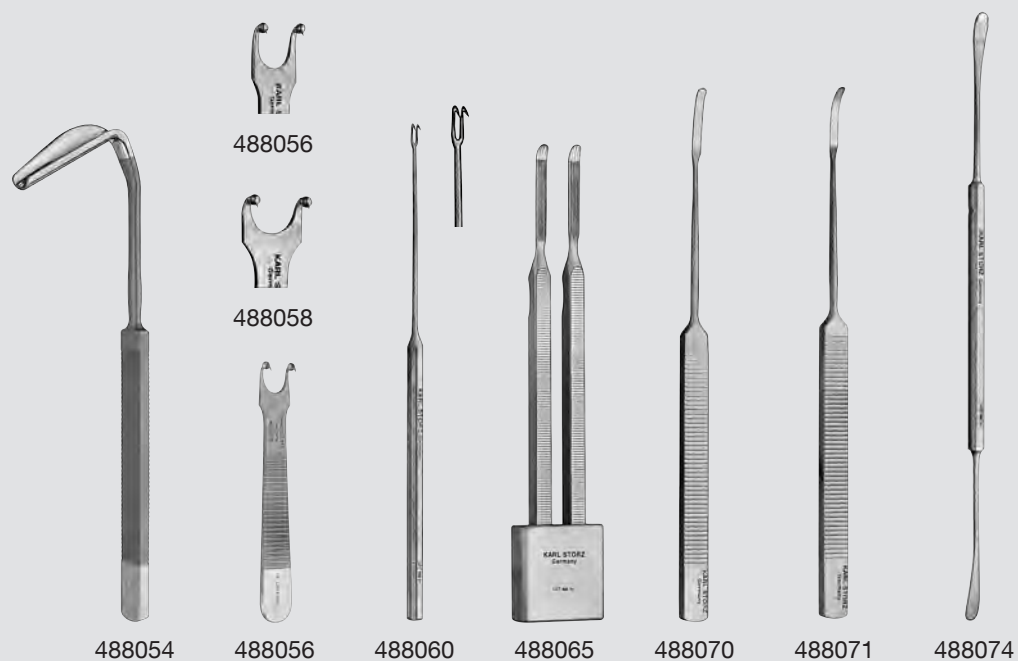
488050

KILNER Scissors, curved, flat tips, blunt/blunt, length 15.5 cm

Opening Aid 459999 for Forceps with Lug see chapter 13

Special Instruments for Rhinoplasty

BERGHAUS instruments with special matt finish and high-gloss polished working tips



- 488054 **AUFRICHT Nasal Retractor**, with side protector, length 16.5 cm
- 488056 **KILNER Ala Retractor**, two sharp points with button, width 10 mm, length 8.5 cm
- 488058 **Same**, width 13 mm
- 488060 **Ala Double Hook**, with octagonal handle, with 2 sharp points, strongly curved, width 2 mm, length 16.5 cm
- 488065 **BERGHAUS Ala Guiding Set**, consisting of 2 guiding instruments with distance markings 488065 A and 1 fixation block 488065 B
- 488070 **JOSEPH Raspatory**, slightly curved, width 4 mm, length 17.5 cm
- 488071 **Same**, strongly curved, width 3.4 mm
- 488074 **FREER Elevator**, double-ended, sharp and blunt, length 20 cm

Special Instruments for Rhinoplasty

BERGHAUS instruments with special matt finish and high-gloss polished working tips



- 488076 **AUFRICHT Glabella Rasp**, double-ended, backward cutting, length 20.5 cm
- 488078 **Nasal Rasp**, double-ended, coarse, length 21.5 cm
- 488080 **RYDER Needle Holder**, tungsten carbide inserts, extra delicate and flat, length 18 cm
- 488084 **FERGUSON Suction Tube**, with cut-off hole and stylet, LUER, outer diameter 8 Fr./2.5 mm, working length 11 cm
- 488085 **Same**, outer diameter 10 Fr./3.5 mm
- 488086 **Same**, outer diameter 12 Fr./4 mm

Components/Spare Parts see chapter 13



SINOSCOPY, RHINOSCOPY, NASAL SINUSES, FESS, SKULL BASE

SINOSCOPY, RHINOSCOPY152-183

RECOMMENDED SETS184-187

INSTRUMENTS FOR
NASAL SINUSES, FESS188-245

INSTRUMENTS FOR ENDONASAL
DACRYOCYSTORHINOSTOMY246-250

Sinoscopy, Rhinoscopy

TIPCAM®1 S 3D

With the TIPCAM®1 S 3D ORL, KARL STORZ offers a 3D videoendoscope with an outer diameter of only 4 millimeters that features FULL HD imaging in 2D and 3D. As the TIPCAM®1 S 3D ORL is part of the modular IMAGE1 S™ camera platform, existing systems can be expanded to include 3D imaging.

The 3D effect is particularly suitable for convex or hollow anatomies with fine structures such as, for example, the sphenoid cavity. Consequently, the TIPCAM®1 S 3D ORL brings great benefits to ENT.

Special Features:

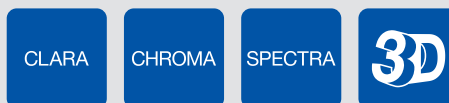
- 3D and 2D imaging in FULL HD
- Natural color rendition
- Digital zoom
- Documentation in 2D via USB flash drive and in 3D via AIDA®
- Forward and backward compatibility
- CLEARVISION® irrigation system recommended



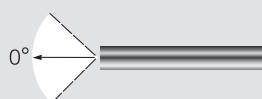
Sinoscopy, Rhinoscopy

TIPCAM®1 S 3D

4 mm 3D Videoendoscopes



7240 BA3D



7240 AA3D

TIPCAM®1 S 3D ORL, direction of view 0°, diameter 4 mm, length 18 cm, two FULL HD image sensors, **autoclavable**, S-technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™



7240 BA3D

TIPCAM®1 S 3D ORL, direction of view 30°, diameter 4 mm, length 18 cm, two FULL HD image sensors, **autoclavable**, S-technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™



7240 FA3D

TIPCAM®1 S 3D ORL, direction of view 45°, diameter 4 mm, length 18 cm, two FULL HD image sensors, **autoclavable**, S-technologies available, freely programmable camera head buttons, including video connecting cable, for use with IMAGE1 S™

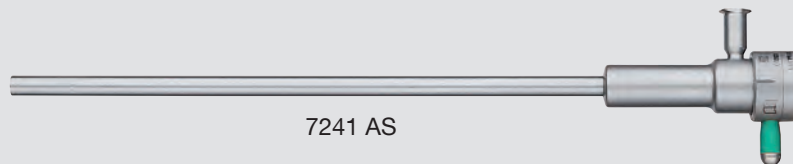
Specifications:

Frame rate	50/60 Hz	Weight	300 g
Image sensor	2 x CMOS FULL HD	Cable length	300 cm
Resolution	1920 x 1080 pixels	Cable routing	straight
Scanning method	progressive scan	Camera head buttons	freely programmable
Direction of view	7240 AA3D: 0° 7240 BA3D: 30° 7240 FA3D: 45°	Reprocessing	autoclavable , hydrogen peroxide sterilization (Sterrad®)
Outer diameter	4 mm	S-Technologies	CLARA, CHROMA, SPECTRA in 2D and 3D
Working length	18 cm	Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

Accessories for 3D Camera Platforms see IMAGING online catalog at www.karlstorz.com

Sinoscopy, Rhinoscopy

Irrigation Sheaths



7241 AS



7241 AS

Irrigation Sheath 0°, with connection facing upwards, outer diameter 4.8 mm, working length 14 cm, for use with TIPCAM®1 S 3D 7240 AA3D or HOPKINS® Telescope 7230 AA and KARL STORZ lens irrigation system CLEARVISION®II or ENDOMAT® SELECT



7241 BS

Irrigation Sheath 30°, with connection facing upwards, outer diameter 4.8 mm, working length 14 cm, for use with TIPCAM®1 S 3D 7240 BA3D or HOPKINS® Telescope 7230 BA and 7230 BVA as well as KARL STORZ lens irrigation system CLEARVISION®II or ENDOMAT® SELECT



7241 FS

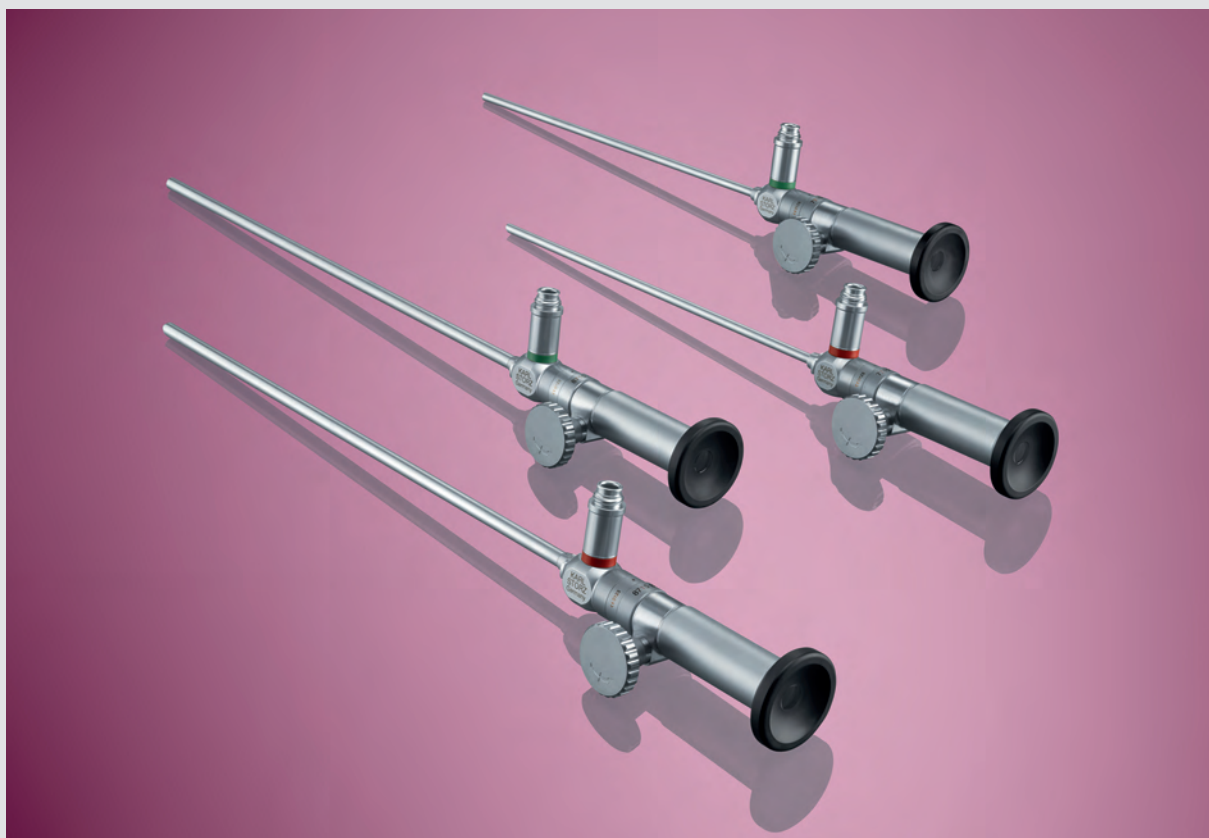
Irrigation Sheath 45°, with connection facing upwards, outer diameter 4.8 mm, working length 14 cm, for use with TIPCAM®1 S 3D 7240 FA3D or HOPKINS® Telescope 7230 FA and 7230 FVA as well as KARL STORZ lens irrigation system CLEARVISION®II or ENDOMAT® SELECT

Contact Endoscopes for Rhinoscopy

Contact Endoscopes from KARL STORZ for Rhinoscopy

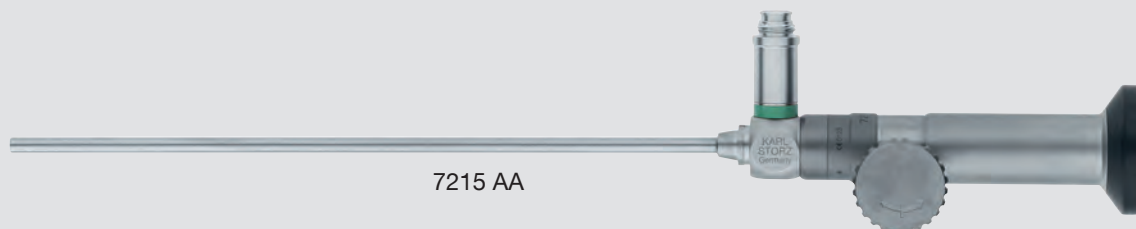
Contact endoscopy is used to examine the mucosa for premalignant, malignant and benign lesions whereby the tip of the contact endoscope is placed on the mucosa. 60 or 150x magnification, which can be adjusted via the rotating wheel on the contact endoscope, allows significantly better visualization of

the vessel structures of the micro-vascular system than standard endoscopes. A potential application area in the field of endoscopic-endonasal surgery is the examination of the nasal mucosa for malignant and benign tissue changes.



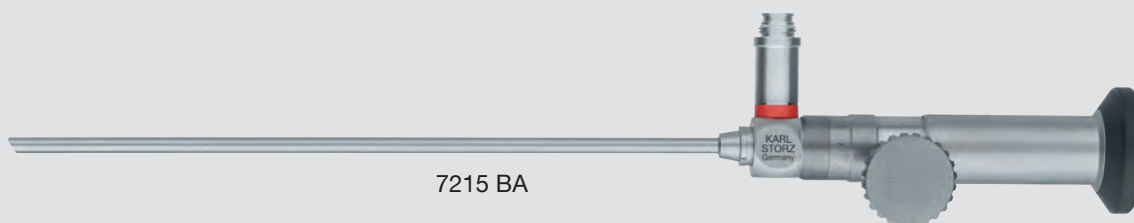
Contact Endoscopy

Contact Micro Rhinoscopes



7215 AA

7215 AA ANDREA/DIAS **Contact Micro Rhinoscope**, with HOPKINS® straight forward telescope 0°, magnification 1x, 60x, 150x, diameter 4 mm, working length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7215 BA

7215 BA ANDREA/DIAS **Contact Micro Rhinoscope**, with HOPKINS® forward-oblique telescope 30°, magnification 1x, 60x, 150x, diameter 4 mm, working length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

Please note: The following products are required in order to use the contact endoscopes:

IMAGE1 S CONNECT® II Module TC 201EN, IMAGE1 S™ 4U-LINK TC 304, IMAGE1 S™ 4U One-Chip 4K UHD Camera Head TH 120, 32" 4K Monitor TM 343 and Cold Light Fountain Power LED 175 SCB 20 1614 01-1, Fiber Optic Light Cable 495 ND and Wire Tray for Cleaning, Sterilization and Storage 39502 Z

For a description of the required products see page 157

Contact Endoscopes for Rhinoscopy

Products required for the use of contact endoscopes

	<p>TC 201EN* IMAGE1 S CONNECT® II, 4K technology, basic module</p>
	<p>TC 304 IMAGE1 S™ 4U-LINK, module for rigid endoscopy, 4K technology</p>
	<p>TH 120 IMAGE1 S™ 4U One-Chip 4K UHD Camera Head</p>
	<p>TM 343 32" 4K Monitor</p>
	<p>20161401-1 Cold Light Fountain POWER LED 175 SCB</p>
	<p>495 ND Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 300 cm</p>
	<p>39502 Z Wire Tray for Cleaning, Sterilization and Storage of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): 480 x 250 x 66 mm</p>

* Also available in the following languages: DE, ES, FR, IT, PT, RU

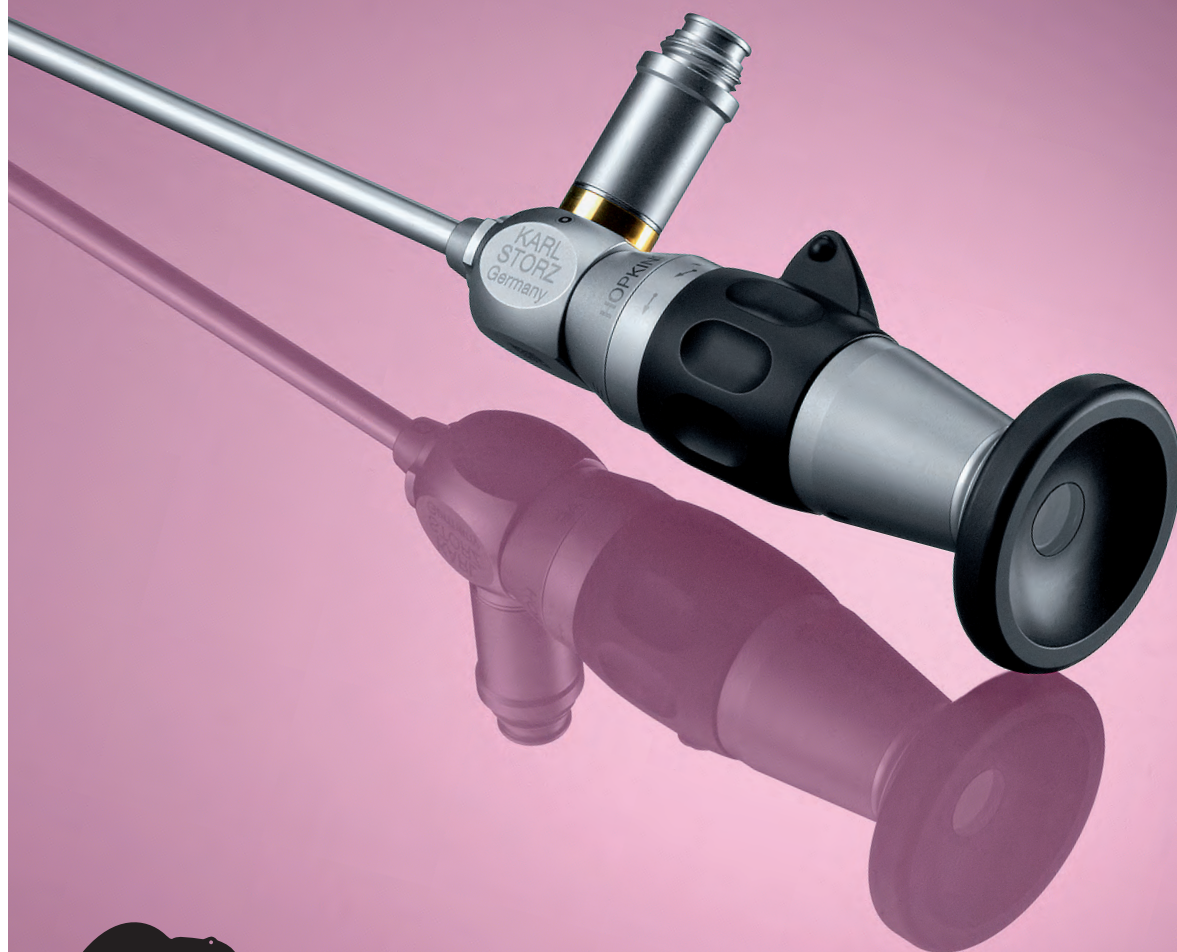
Please note: The instruments displayed in the wire tray are not included in delivery.

For further information on the required products see IMAGING online catalog at www.karlstorz.com

Sinoscopy, Rhinoscopy

ENDOCAMELEON® ENT

STORZ
KARL STORZ — ENDOSKOPE



 **EndoCAMEleon**® ENT

Sinoscopy, Rhinoscopy

ENDOCAMELEON® ENT



Recommended in combination with IMAGE1 S™ (CLARA and CHROMA modes)

ENDOCAMELEON® ENT is the newest member of the HOPKINS® family of rod-lens telescopes.

A simple turn of the adjusting knob enables the user to select the direction of view between 15° and 90°. The fin on the control wheel makes this even more convenient. This allows the surgeon to select the desired direction of view. With the light connection now facing upwards, handling has been further improved to make work easier.

ENDOCAMELEON® ENT enhances orientation during telescope insertion – without the time-consuming exchange of telescopes – and thus ensures safe and smooth work.

ENDOCAMELEON® ENT combines the user comfort of the HOPKINS® endoscopes with an adjustable direction of view.



The familiar ergonomics and handling of conventional telescopes is enhanced with the additional convenience of a variable direction of view.



The direction of view is adjusted by a mere turn of the adjusting knob at the proximal end of the ENDOCAMELEON® ENT.

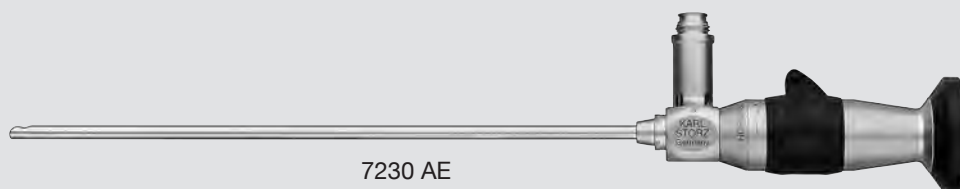


Diameter 4 mm, length 18 cm

Recommended in combination with IMAGE1 S™ (CLARA and CHROMA modes)

Special Features:

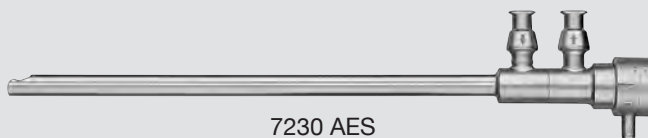
- Variable direction of view from 15° – 90°
– less telescope exchange
- Adjusting knob for selecting the desired direction of view, with fin
- Diameter 4 mm, length 18 cm
- Standard eyepiece fits all camera heads from KARL STORZ
- Light cable connection facing upwards



7230 AE

7230 AE

ENDOCAMELEON® ENT HOPKINS® Telescope, diameter 4 mm, length 18 cm, **autoclavable**, variable direction of view from 15° – 90°, adjustment knob with fin for selecting the desired direction of view, fiber optic light transmission incorporated, color code: gold



7230 AES

7230 AES

Irrigation and Suction Sheath, outer diameter 4.8 x 6 mm, working length 14 cm, for use with ENDOCAMELEON® ENT HOPKINS® Telescope 7230 AE and KARL STORZ lens irrigation system CLEARVISION® II or ENDOMAT® SELECT

Fiber Optic Light Cables see IMAGING online catalog at www.karlstorz.com

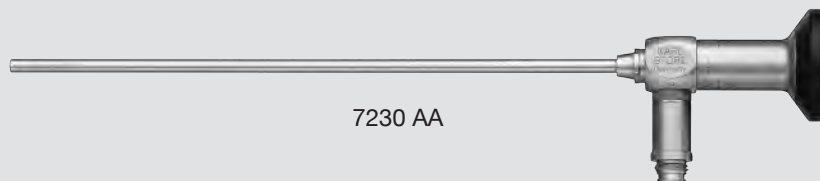
Recommended Wire Tray 39501 A1 for cleaning and wire trays for the sterilization and storage of telescopes see HYGIENE catalog

Components/Spare Parts see chapter 13

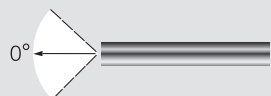
Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 4 mm, length 18 cm



7230 AA



7230 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7230 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



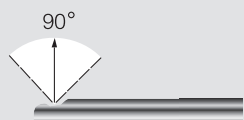
7230 FA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black



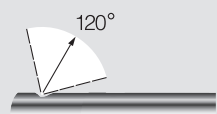
7230 CA

HOPKINS® Lateral Telescope 70°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow



7230 DA

HOPKINS® Lateral Telescope 90°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue



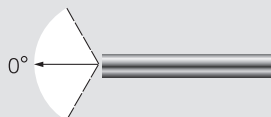
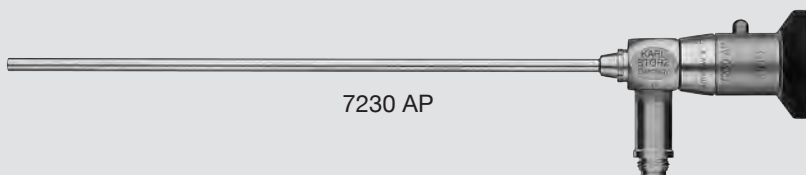
7230 EA

HOPKINS® Retrograde Telescope 120°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: white

Sinoscopy, Rhinoscopy

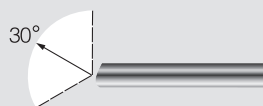
HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 4 mm, length 18 cm



7230 AP

HOPKINS® Straight Forward Telescope 0°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: green



7230 BP

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: red



7230 FP

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: black

Components/Spare Parts see chapter 13

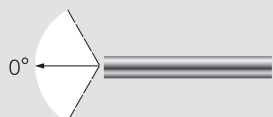
Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 4 mm, length 18 cm

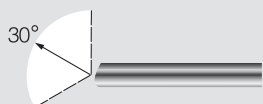


7230 AWA



7230 AWA

HOPKINS® Wide Angle Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7230 BWA

HOPKINS® Wide Angle Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



7230 FWA

HOPKINS® Wide Angle Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black



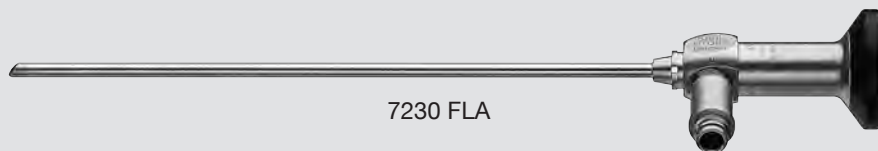
7230 CWA

HOPKINS® Wide Angle Lateral Telescope 70°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 4 mm, length 18 cm

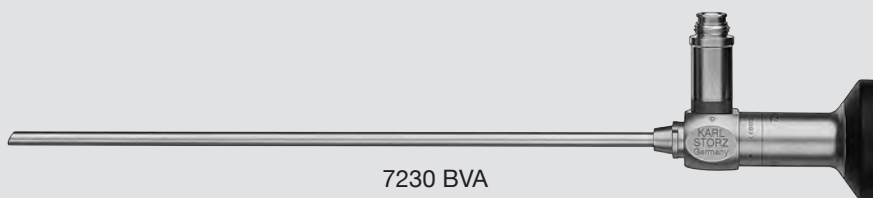


7230 FLA



7230 FLA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, connection for fiber optic light cable on the left, fiber optic light transmission incorporated, color code: black



7230 BVA



7230 BVA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, connection for fiber optic light cable on upper side, fiber optic light transmission incorporated, color code: red



7230 FVA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, connection for fiber optic light cable on upper side, fiber optic light transmission incorporated, color code: black



7230 CVA

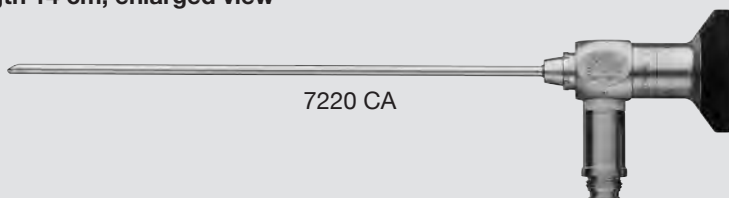
HOPKINS® Lateral Telescope 70°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, connection for fiber optic light cable on upper side, fiber optic light transmission incorporated, color code: yellow

Components/Spare Parts see chapter 13

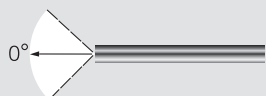
Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 3 mm, length 14 cm, enlarged view



7220 CA



7220 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7220 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



7220 FA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black



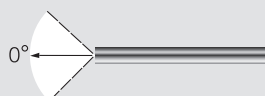
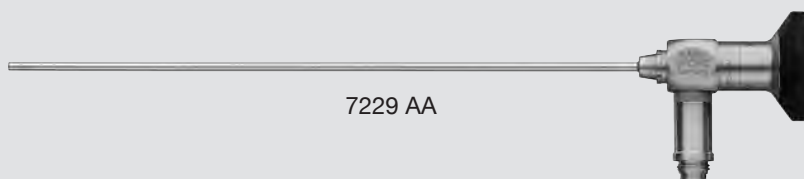
7220 CA

HOPKINS® Lateral Telescope 70°, enlarged view, diameter 3 mm, length 14 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 2.7 mm, length 18 cm, enlarged view



7229 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7229 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



7229 FA

HOPKINS® Forward-Oblique Telescope 45°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: black



7229 CA

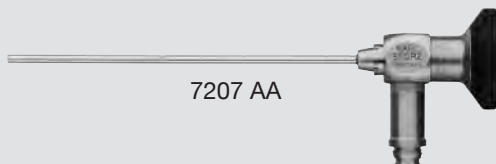
HOPKINS® Lateral Telescope 70°, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Components/Spare Parts see chapter 13

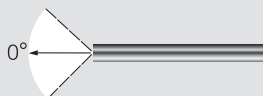
Sinoscopy, Rhinoscopy

HOPKINS® Telescopes – for diagnosis, surgery and treatment of the nose and nasal sinuses

Diameter 2.7 mm, length 11 cm



7207 AA



7207 AA

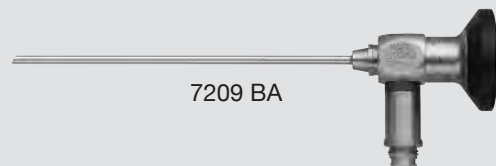
HOPKINS® Straight Forward Telescope 0°, diameter 2.7 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7207 BA

HOPKINS® Forward-Oblique Telescope 30°, diameter 2.7 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

Diameter 3 mm, length 11 cm

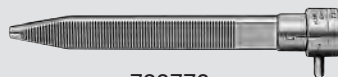


7209 BA



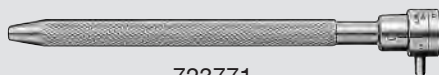
7209 BA

HOPKINS® Forward-Oblique Telescope 30°, diameter 3 mm, length 11 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



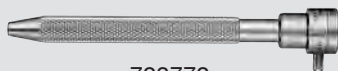
723770

- 723770 STAMMBERGER **Telescope Handle**, flat, standard model, length 11 cm, for use with HOPKINS® straight forward telescopes 0° with diameter 4 mm and length 18 cm



723771

- 723771 STAMMBERGER **Telescope Handle**, round, length 14.5 cm, for use with HOPKINS® telescopes 30° – 120° with diameter 4 mm and length 18 cm



723772

- 723772 STAMMBERGER **Telescope Handle**, round, standard model, length 11 cm, for use with HOPKINS® telescopes 30° – 120° with diameter 4 mm and length 18 cm



723773

- 723773 STAMMBERGER **Telescope Handle**, round, length 6.5 cm, for use with HOPKINS® telescopes with diameter 2.7/3 mm and length 11 cm



723774

- 723774 STAMMBERGER **Telescope Handle**, round, length 11 cm, for use with HOPKINS® telescopes with diameter 1.9/2.7 mm and length 18 cm



723750 A

723750 A **Protective Sleeve**, for HOPKINS® telescopes with length of 6 – 11 cm



723750 B

723750 B **Protection Tube**, working length 19.7 cm, for use with HOPKINS® telescopes with a length of 18 cm



723005 A



723005 A

Trocar for Sinoscopy, with beak, outer diameter 5 mm, length of the cannula 8.5 cm, for use with HOPKINS® telescopes with diameter 4 mm



723005 B

Trocar for Sinoscopy, oblique beak, outer diameter 5 mm, length of the cannula 8.5 cm, for use with HOPKINS® telescopes with diameter 4 mm



723103 B

Trocar for Sinoscopy, oblique beak, outer diameter 3.3 mm, length of the cannula 7.5 cm, for use with HOPKINS® telescopes with diameter 2.7 mm

Sinoscopy, Rhinoscopy

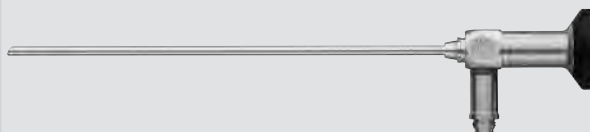
Suction and Irrigation Sheaths for use with ENDOMAT® SELECT

Suction and Irrigation Sheaths, proximally reinforced, for use with Holding System 28272 RKB

Suction and Irrigation Sheath, proximally reinforced, for use with adjustable Holding System 28272 RKB



Compatible HOPKINS® Telescopes



Detail	Order no.	Outer diameter	Working length	Order no.	Direction of view	Outer diameter	Length
	7220 AS	4.8 x 3.7 mm	10 cm	7220 AA	0°	3 mm	14 cm
	7220 BS	4.8 x 3.7 mm	10 cm	7220 BA	30°	3 mm	14 cm
	7220 FS	4.8 x 3.7 mm	10 cm	7220 FA	45°	3 mm	14 cm
	7220 CS	4.8 x 3.7 mm	10 cm	7220 CA	70°	3 mm	14 cm
	7230 AS	4.8 x 6 mm	14 cm	7230 AA 28132 AA	0°	4 mm	18 cm
	7230 BS	4.8 x 6 mm	14 cm	7230 BA 28132 BA	30°	4 mm	18 cm
	7230 FS	4.8 x 6 mm	14 cm	7230 FA 28132 FA	45°	4 mm	18 cm
	7230 CS	4.8 x 6 mm	14 cm	7230 CA 28132 CA	70°	4 mm	18 cm
	7219 AS	3.5 x 4.7 mm	14 cm	7229 AA	0°	2.7 mm	18 cm
	7219 BS	3.5 x 4.7 mm	14 cm	7229 BA	30°	2.7 mm	18 cm
	7219 FS	3.5 x 4.7 mm	14 cm	7229 FA	45°	2.7 mm	18 cm
	7219 CS	3.5 x 4.7 mm	14 cm	7229 CA	70°	2.7 mm	18 cm

723527 L **Cleaning Tube**, for suction/telescope channel, LUER-Lock, length 24 cm, for use with LASER Rhinoscope Sheaths 722010 A/B as well as Suction and Irrigation Sheaths 7207 AS/BS/CS, 7219 AS/BS/CS/FS and 7220 AS/BS/CS/FS

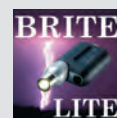
723540 L **Cleaning Tube**, for suction/telescope channel, LUER-Lock, length 23 cm, for use with Suction and Irrigation Sheaths 7230 AS/BS/CS/FS

1-037

ENDOMAT® SELECT see chapter 8, UNITS AND ACCESSORIES

Sinoscopy, Rhinoscopy

Battery Light Source LED BRITE LITE



Special Features:

- Available as battery and rechargeable versions
- LED service life of up to 40,000 hours
- Burning time > 120 min



11301 DE



11301 DG

- 11301 D4 **Battery Light Source LED for Endoscopes**, with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, **suitable for wipe disinfection**, for use with KARL STORZ endoscopes
- 11301 DE **Battery Light Source LED for Endoscopes**, rechargeable, with click connection, boost mode for temporary increase in brightness, lithium-ion batteries, charging time 60 min, burning time at 100% brightness 40 min, weight approx. 150 g, **suitable for wipe disinfection**
- 11301 DF **Same**, with coarse screw thread
- 11301 DG **Charging Unit**, for two LED battery light sources, with fixed integrated power supply and adaptor for EU, UK, USA and Australia, power supply 110 – 240 VAC, 50/60 Hz, **suitable for wipe disinfection**, for use with Battery Light Source LED 11301 DE/DF
- 094129 **Battery Charger Li-Ion**, for charging Rechargeable Battery Box 094124 or Battery Light Source LED 11301 DE/DF, power supply 100 – 240 VAC, 50/60 Hz, for use with Mains Cord 094127
- 094127 **Mains Cord**, for Battery Charger 094129, length 150 cm

Note:

Please order charging unit or battery charger with mains cord for Battery Light Sources LED 11301 DE/DF.

Components/Spare Parts see chapter 13

Sinoscopy, Rhinoscopy

TELE PACK+

Imaging diagnostics are performed not only in hospitals, but also in offices, day clinics, and outpatient clinics. These settings require, in particular, flexible devices with high image quality. The new TELE PACK+ ALL-IN-ONE system from KARL STORZ meets these demands. The system combines a monitor, an LED light source, a FULL HD camera control unit, and a documentation unit with integrated network function into a single portable, compact unit.

The TELE PACK+ combines in one unit:



Display +

The TELE PACK+ is equipped with an 18.5" touch screen monitor with on-screen keyboard. The reproduction of images in FULL HD quality is impressive. The intuitive menu navigation is a very strong feature and makes the TELE PACK+ easy to use.

Light +

The integrated LED light source provides bright and uniform illumination. In addition to the manual light source control, the TELE PACK+ also offers an automatic light source control functionality.

Camera +

A wide range of rigid, flexible and single-use endoscopes can be connected to the TELE PACK+. KARL STORZ offers a broad product portfolio of compatible cameras and videoendoscopes.

Docu +

There are three options for the storage of patient data: Internal memory, on USB storage media or network documentation.

Network +

The network functionality allows the export and import of patient data in/out of practice/hospital networks. Two storage locations are available for this purpose: A standard FTP server or a worklist server.



Sinoscopy, Rhinoscopy

TELE PACK+ – Overview

Network Connection



Data Storage

USB Flash Drive

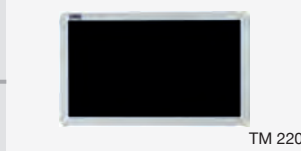


TELE PACK+



Image Display

27" FULL HD Monitor



Patient Data Report

USB Color Printer



Diagnosis and Treatment

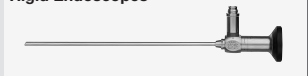
H1 One-Chip Camera Head



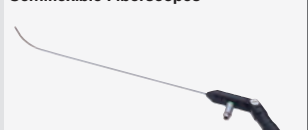
IMAGE1 S™ HX One-Chip FULL HD Camera Head



Rigid Endoscopes



Semiflexible Fiberscopes



Flexible Fiberscopes



C-Line Videoendoscopes



ENT

11102 CM
13303 E
091330-06

Anesthesiology

11303 BNX
11302 BDX
11301 ABX
11304 BCX
091361-06
0915612-06

Urology

11272 VE/VUE
091271-06
091279-06

X-Line Videoendoscopes



ENT

11101 HD

Bronchoscopy

11910 D
11910 T

Urology

11272 VH/VHU
11278 VS/VSU

Surgery

11292 VS/VSU

Further options for the network connection see OR1 software solution SCENARA®

For further information on the required components see IMAGING online catalog – TELE PACK+ Mobile Combisolution at www.karlstorz.com

Sinoscopy, Rhinoscopy

TELE PACK+ – Endoscopy compact



TP 101

TELE PACK+, endoscopic video unit with 2 camera inputs (X-Line and C-Line) for use with flexible videoendoscopes and one-chip camera heads (up to FULL HD), incl. LED light source, digital Image Processing Module with USB and network storage options as well as 18.5" FULL HD touch screen monitor, power supply 100 – 240 VAC, 50/60 Hz









including:

Mains Cord, length 300 cm


Specifications:

	TP 101
Interfaces	
Video output	1x DVI-D
USB interfaces	6x
Ethernet interface	network connection
Line-in	1x
Line-out	1x
Service interface	1x
Documentation Images	
Image format	JPEG
Documentation Video	
Video format	MPEG 4
Further Properties	
Integrated light source	LED
Screen	screen size: 18.5", resolution: 1920 x 1080, contrast: 1200:1
Loudspeaker consumption	3.2 W
Power consumption	140 W
Power frequency	50/60 Hz
Power supply	100 – 240 VAC
Dimensions w x h x d	470 x 387 x 222 mm
Weight	9 kg
Cleaning	wipe disinfection

The TELE PACK+ TP 101 is stroboscopy-capable with the appropriate accessories see page 177
Components see chapter 13

	549 M	USB Color Printer , power supply 100 – 240 VAC, 50/60 Hz, including mains cord, for use with IMAGE1 S™, IMAGE1 ICM from software version 470206-328 BI and AIDA® compact NEO
	20 0400 86 20 0400 89 20 0402 86	DVI-D Connecting Cable , length 200 cm Same , length 300 cm Same , length 750 cm
	27677 TP 27677 TPT	Plastic Case TELE PACK+ , with foam part, external dimensions 750 x 530 x 260 mm Trolley , for Case TELE PACK+ 27677 TP
	20 0402 82	USB Flash Drive , 32 GB
	20 0402 76 20 0400 76	RJ-45 Network Cable , length 100 cm RJ-45 Network Cable , length 500 cm
	W21067	OR1™ Network Isolator , according to EN 60601, for galvanic decoupling of units with RJ-45 network connection (1 GBit)
	TL 005	Triple Adaptor , for use with POWER LED 300 cold light fountain in combination with KARL STORZ, Olympus, Stryker and Wolf light cables
	TP 002	Camera Head/Irrigation Bottle Holder

Optional:

	USB Silicone Keyboard , with touchpad	
	Character Sets:	
	20 0402 41DE German	20 0402 41RU Russian
	20 0402 41FR French	20 0402 41SE Scandinavian
	20 0402 41IT Italian	20 0402 41US English
	20 0402 41PT Portuguese	20 0402 41CH German, French, Italian
	20 0402 41ES Spanish	

Sinoscopy, Rhinoscopy

TELE PACK+ Accessories for Stroboscopy



40 1600 40

Stroboscopy Kit, for use with TELE PACK+ and TELE PACK X LED

including:

Footswitch

Microphone Set



40 1600 33

TELE PACK Stroboscopy Footswitch, footswitch with USB port and integrated activation key for stroboscopy function (plug & play), for use with TELE PACK+ and TELE PACK X LED



40 1600 31

Microphone Set, for use with TELE PACK+ and TELE PACK X LED

including:

Microphone Fitting

Microphone Holder

Connector for Microphone Membrane

Special Features:

- The freely programmable buttons enable convenient control of various functions such as, for example, S-Technologies, recording images and video sequences etc.
- Ergonomic and well-balanced handle
- Compatibility with the newest KARL STORZ HD camera control units allows high-resolution visualization of anatomical structures with a realistic color reproduction.



11101 HD

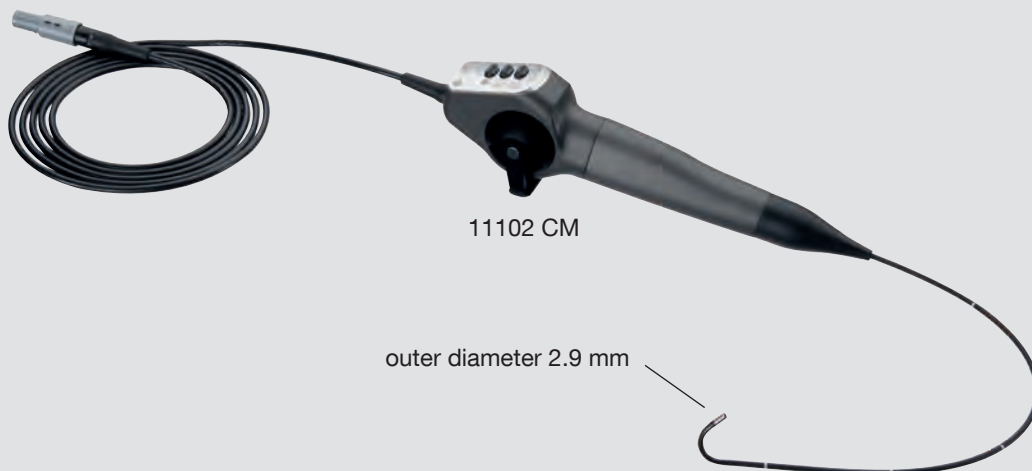
11101 HDK	HD Video Rhino-Laryngoscope Kit, for use with IMAGE1 S™ X-LINK TC 301 and TELE PACK+ TP 101
	Direction of view: 0°
	Angle of view: 100°
	Deflection up/down: 140°/140°
	Outer diameter: 3.7 mm
	Working length: 30 cm

The following accessories are included in delivery:

11101 HD	HD Video Rhino-Laryngoscope, 3.7 mm
13242 XL	Leakage Tester, with bulb and manometer
11025 E	Pressure Compensation Cap, for ventilation during gas and plasma sterilization
27677 SL	Case for Flexible Endoscopes, without accessories

Sinoscopy, Rhinoscopy

CMOS Video Rhino-Laryngoscope



11102 CMK **CMOS Video Rhino-Laryngoscope Kit,**
for use with C-MAC® Monitor 8404 ZX
and TELE PACK+ TP 101

Direction of view: 0°
Angle of view: 100°
Working length: 30 cm
Outer diameter: 2.9 mm
Deflection up/down: 140°/140°

The following accessories are included in delivery:

11102 CM **CMOS Video Rhino-Laryngoscope, 2.9 mm**
13242 XL **Leakage Tester, with bulb and manometer**
11025 E **Pressure Compensation Cap, for ventilation**
during gas and plasma sterilization
27677 SL **Case for Flexible Endoscopes, without accessories**

11102 CMM **CMOS Video Rhino-Laryngoscope with Monitor**

Direction of view: 0°
Angle of view: 100°
Working length: 30 cm
Outer diameter: 2.9 mm
Deflection up/down: 140°/140°

The following accessories are included in delivery:

11102 CMK **CMOS Video Rhino-Laryngoscope KIT**
8404 ZXK **C-MAC® Monitor for CMOS Endoscopes**

Sinoscopy, Rhinoscopy

CMOS Video Rhino-Laryngoscope SSU

STERILE 



091330-06

091330-06* **CMOS Video Rhino-Laryngoscope SSU**, sterile, for single use, package of 6, for use with E-Box TP 012 and TELE PACK+
Direction of view: 0°
Angle of view: 90°
Working length: 30 cm
Outer diameter: 3.5 mm
Deflection up/down: 140°/140°

8404 ZXK **C-MAC® Monitor for CMOS Endoscopes**

Sinoscopy, Rhinoscopy

Rhino-Fiberscopes

Special Features:

- Waterproof, fully immersible for cleaning and disinfection
- Simple leakage test takes only a few minutes and requires no additional accessories.
- Sterilizable with EtO-Gas, Steris® and Sterrad®



11001 RD1



11101 RP2



11101 SK2



11101 SP2

Rhino-Fiberscopes, direction of view 0° – Overview









Description	Deflection up/down	Order no.	Angle of view	Working length	Distal end outer	Working channel inner
Rhino-Laryngo-Fiberscope 3.7 x 340 mm		11001 RD1	90°	34 cm	diameter 3.7 mm 	diameter 1.5 mm
Rhino-Pharyngo-Laryngo-Fiberscope 3.5 x 300 mm		11101 RP2	70°	30 cm	diameter 3.5 mm 	—
Rhino-Laryngo-Fiberscope 2.5 x 270 mm		11101 SK2	90°	27 cm	diameter 2.5 mm 	—
Rhino-Laryngo-Tracheo-Fiberscope 2.5 x 370 mm		11101 SP2	90°	37 cm	diameter 2.5 mm 	—

Accessories included in delivery and optional accessories see pages 182-183
Components/Spare Parts see chapter 13

Sinoscopy, Rhinoscopy

Rhino-Fiberscopes – Overview

Accessories included in delivery:

			11001 RD1	11101 RP2	11101 SK2	11101 SP2
	27677 SZ	Case , with accessories	●	–	–	–
	27677 SL	Case for Flexible Endoscopes , without accessories	–	●	●	●
	11025 E	Pressure Compensation Cap , for ventilation during gas and plasma sterilization	●	●	●	●
	13242 XL	Leakage Tester , with bulb and manometer	●	●	●	●
	110251-100*	Bite Protector , with elastic band, unsterile, for single use, package of 100	●	–	–	–
	110930-50*	Cleaning Brush , length 90 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50	●	–	–	–
	11003 KA	Biopsy Forceps , flexible, double action jaws, oval, diameter 1 mm, length 60 cm	●	–	–	–
	11003 KB	Grasping Forceps , flexible, double action jaws, diameter 1 mm, length 60 cm	●	–	–	–



Sinoscopy, Rhinoscopy

Rhino-Fiberscopes – Overview

Optional Accessories:



15006 C



15006 D

15006 C “ULTRA STOP” Antifog Solution,
30 ml, sterile, pierce bottle

15006 D “ULTRA STOP” Antifog Solution,
15 ml, atomizer bottle

Recommended Sets

STAMMBERGER Basic FESS Set

Recommended Set

723005 A	Trocar for Sinoscopy , with beak, outer diameter 5 mm, length of the cannula 8.5 cm
400500	HARTMANN Nasal Speculum , for adults, length 13 cm
7230 AA	HOPKINS® Straight Forward Telescope 0° , enlarged view, diameter 4 mm, length 18 cm, autoclavable , fiber optic light transmission incorporated, color code: green
723770	STAMMBERGER Telescope Handle , flat, length 11 cm
723772	Same , round
7230 BA	HOPKINS® Forward-Oblique Telescope 30° , enlarged view, diameter 4 mm, length 18 cm, autoclavable , fiber optic light transmission incorporated, color code: red
7230 FA	HOPKINS® Forward-Oblique Telescope 45° , enlarged view, diameter 4 mm, length 18 cm, autoclavable , fiber optic light transmission incorporated, color code: black
7229 AA	HOPKINS® Straight Forward Telescope 0° , enlarged view, diameter 2.7 mm, length 18 cm, autoclavable , fiber optic light transmission incorporated, color code: green
7229 BA	HOPKINS® Forward-Oblique Telescope 30° , enlarged view, diameter 2.7 mm, length 18 cm, autoclavable , fiber optic light transmission incorporated, color code: red
15006 C	"ULTRA-STOP" Antifog Solution , 30 ml, sterile pierce bottle
843219	Bipolar Coagulation Forceps , insulated, angular, blunt, with integrated suction channel, with cut-off hole, length 19 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
461015	STAMMBERGER Bipolar Suction Forceps , 45° upturned, with suction channel, working length 12.5 cm
847002 V	Bipolar Universal High Frequency Cord , length 450 cm
810506	Septum Cannula , angular, LUER-Lock
628001	Sickle Knife , pointed, length 19 cm
474000	FREER Elevator , double-ended, semisharp and blunt, length 20 cm
628702	Antrum Curette , oblong, small, length 19 cm
628712	KUHN-BOLGER Frontal Sinus Curette , 55° curved, oval, forward cutting, length 19 cm
628714	Same , 90° curved
629703	Antrum Curette , forward cutting, small, length 19 cm
629820	Probe , double-ended, ball-shaped ends diameter 1.2 and 2 mm, length 19 cm
479100	COTTLE Elevator , double-ended, semisharp and blunt, graduated, length 20 cm
722925	Suction Tube , conical, malleable, with finger grip plate, LUER-Lock, outer diameter 2.5 mm, working length 13 cm
529309	FRAZIER Suction Tube , with mandrel and cut-off hole, with distance marking at 5 – 9 cm, 9 Fr., working length 10 cm
586125	v. EICKEN Antrum Cannula , LUER-Lock, long curved, malleable, serrated grip plate, outer diameter 2.5 mm, length 12.5 cm
586130	Same , outer diameter 3 mm
586231	v. EICKEN Antrum Cannula , LUER-Lock, with cut-off hole, short curve, outer diameter 3 mm, length 12.5 cm
586241	Same , outer diameter 4 mm
653000	HEUWIESER Antrum Grasping Forceps , jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm
456801 B	BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps , 90° upturned, size 1, with cleaning connector, working length 13 cm
456501 B	Same , 45° upturned
456001 B	BLAKESLEY RHINOFORCE® II Nasal Forceps , straight, size 1, with cleaning connector, working length 13 cm
449201	RHINOFORCE® II Nasal Scissors , straight, with cleaning connector, working length 13 cm

Recommended Sets

STAMMBERGER Basic FESS Set

651010	STAMMBERGER RHINOFORCE® II Double Spoon Forceps , vertical opening, 65° upturned, spoon diameter 3 mm, with cleaning connector, working length 12 cm
651020	Same , horizontal opening
723033	Biopsy and Grasping Forceps , extra fine, with oval cupped jaws 3 x 5 mm, sheath diameter 1.5 mm, with cleaning connector, working length 14 cm
459052	STAMMBERGER Antrum Punch , left side downward and forward cutting, with cleaning connector, working length 10 cm
459051	Same , right side downward and forward cutting
459012	STAMMBERGER RHINOFORCE® II Antrum Punch , left side backward cutting, with cleaning connector, working length 10 cm
459011	Same , right side backward cutting
455010	STRUYCKEN RHINOFORCE® II Nasal Cutting Forceps , with cleaning connector, working length 13 cm
460001	STAMMBERGER Suction Punch , for biopsy and grasping, straight, with central suction channel, with Cleaning Stylet 460001 E, size 1, with cleaning connector, working length 10 cm
460501	Same , curved upwards
723029	Biopsy and Grasping Forceps , vertical opening, malleable sheath end, cupped jaws diameter 4 mm, with cleaning connector, working length 18 cm
651050	STAMMBERGER Punch , circular cutting, with cleaning connector, punch head diameter 4.5 mm, working length 18 cm
651060	STAMMBERGER Punch , circular cutting, 65° upturned, with cleaning connector, punch head diameter 3.5 mm, working length 17 cm

Recommended Sets

SIMMEN-BRINER Special Paranasal Sinus Set

Recommended Set

7230 FLA	HOPKINS® Forward-Oblique Telescope 45° , enlarged view, diameter 4 mm, length 18 cm, autoclavable , connection for fiber optic light cable on the left, fiber optic light transmission incorporated, color code: black
723772	STAMMBERGER Handle , round, length 11 cm
628001	Sickle Knife , pointed, length 19 cm
628702	Antrum Curette , oblong, small, length 19 cm
628712	KUHN-BOLGER Frontal Sinus Curette , 55° curved, oval, forward cutting, length 19 cm
628714	Same , 90° curved
489010	Raspatory , double-ended, strongly and slightly curved, length 22 cm
629820	Probe , double-ended, ball-shaped ends diameter 1.2 and 2 mm, length 19 cm
629824	CASTELNUOVO Frontal Sinus Probe , double-ended, curved, length 22 cm
213008	PLESTER Raspatory , width 8 mm, length 18 cm
2x 586125	v. EICKEN Antrum Cannula , LUER-Lock, long curved, malleable, serrated grip plate, outer diameter 2.5 mm, length 12.5 cm
586030	v. EICKEN Antrum Cannula , LUER-Lock, long curved, outer diameter 3 mm, length 12.5 cm
586040	Same , outer diameter 4 mm
662101	KERRISON Bone Punch, detachable , rigid, 90° upbiting, not through-cutting, size 1 mm, working length 17 cm
662102	Same , size 2 mm
662103	Same , size 3 mm
662112	KERRISON Bone Punch, detachable , rigid, 90° downbiting, not through-cutting, size 2 mm, working length 17 cm
662113	Same , size 3 mm
649001	HAJEK-KOFLER Bone Punch, detachable , rigid, 90° upbiting, not through-cutting, size 3.5 x 3.7 mm, working length 14 cm
649002	Same , 90° downbiting
456001 B	BLAKESLEY RHINOFORCE® II Nasal Forceps , straight, size 1, with cleaning connector, working length 13 cm
456002 B	Same , size 2
456501 B	BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps , 45° upturned, size 1, with cleaning connector, working length 13 cm
456801 B	Same , 90° upturned
451002 B	GRÜNWALD-HENKE RHINOFORCE® II Nasal Cutting Forceps , straight, through-cutting, for a smooth cut, BLAKESLEY shape, size 2, width 4 mm, with cleaning connector, working length 13 cm
451502 B	Same , 45° upturned
452002 B	MACKAY-GRÜNWALD RHINOFORCE® II Nasal Cutting Forceps , straight, through-cutting, extra delicate, for a smooth cut, 11.5 x 3.5 mm, size 2, with cleaning connector, working length 13 cm
452502 B	Same , 45° upturned
459010	STAMMBERGER RHINOFORCE® II Antrum Punch , upside backward cutting, with cleaning connector, working length 10 cm
459030	STAMMBERGER RHINOFORCE® II Antrum Punch , small pediatric size, slender, upward backward cutting, with cleaning connector, working length 10 cm
459051	STAMMBERGER Antrum Punch , right side downward and forward cutting, with cleaning connector, working length 10 cm
459052	Same , left side downward and forward cutting
653000	HEUWIESER Antrum Grasping Forceps , jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm
449251	Nasal Scissors , ZÜRICH model, dismantling , straight, small model, cutting length 12 mm, working length 12 cm
449250	Nasal Scissors , ZÜRICH model, dismantling , straight, large model, cutting length 18 mm, working length 14 cm

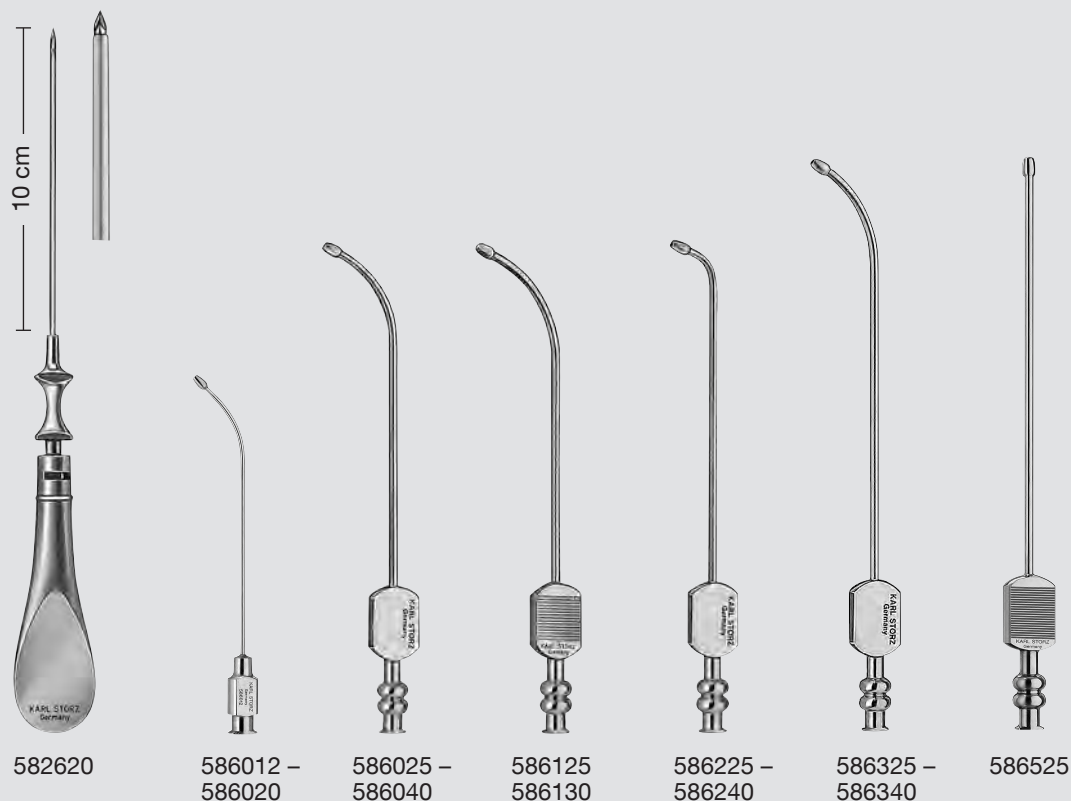
Recommended Sets

SIMMEN-BRINER Special Paranasal Sinus Set

650212	Double Spoon Forceps , vertical opening, 70° upturned, spoon diameter 4 mm, with cleaning connector, working length 13 cm
650222	Same , horizontal opening
651055	STAMMBERGER Punch , circular cutting, with cleaning connector, punch head diameter 3.5 mm, working length 18 cm
651060	STAMMBERGER Punch , circular cutting, 65° upturned, with cleaning connector, punch head diameter 3.5 mm, working length 17 cm
651522	Frontal Sinus Punch , with link chain sheath 70° upturned, backward cutting, medium (standard size), jaws 3.5 x 3 mm, working length 13 cm
651521	Same , small, jaws 2.5 x 2 mm

Instruments for Paranasal Sinuses, FESS

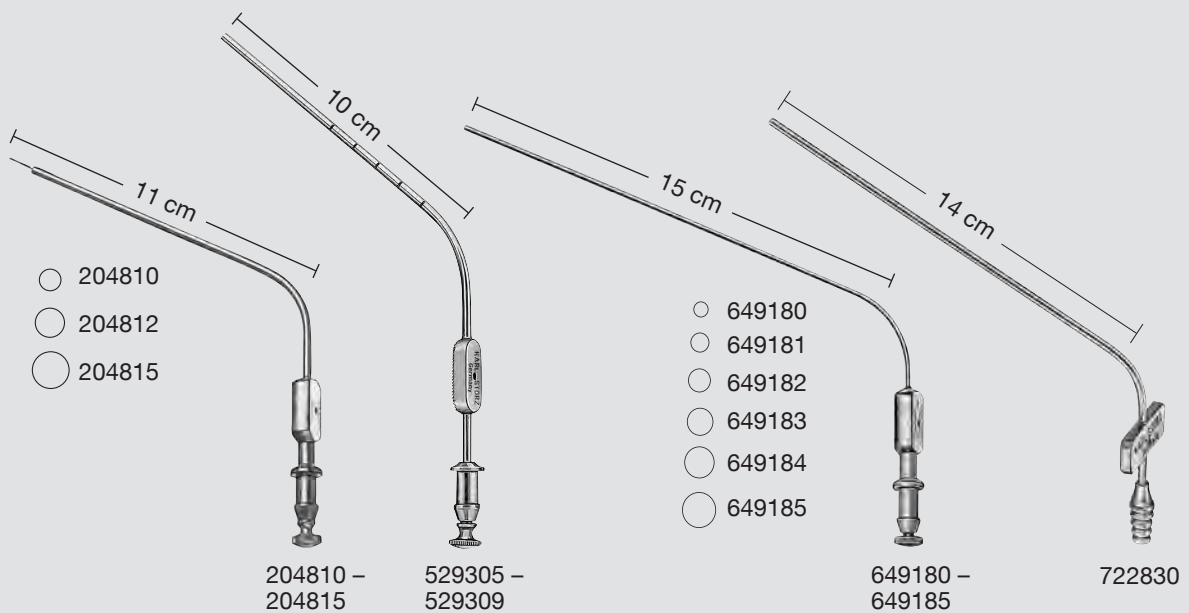
Antrum Trocars, Antrum Cannulas



582620	LICHTWITZ Antrum Trocar , LUER-Lock, with lateral holes, outer diameter 2 mm, working length 10 cm	586125	v. EICKEN Antrum Cannula , LUER-Lock, long curved, malleable, serrated grip plate, outer diameter 2.5 mm, length 12.5 cm
586012	Antrum Cannula , LUER-Lock, long curved, with olive diameter 2.5 mm, without grip plate, outer diameter 1.2 mm, length 9 cm	586130	Same , outer diameter 3 mm
586015	Antrum Cannula , LUER-Lock, long curved, with olive diameter 2.7 mm, without grip plate, outer diameter 1.5 mm, length 9 cm	586225	v. EICKEN Antrum Cannula , LUER-Lock, short curved, outer diameter 2.5 mm, length 12.5 cm
586020	Antrum Cannula , LUER-Lock, long curved, with olive diameter 3.2 mm, without grip plate, outer diameter 2 mm, length 9 cm	586230	Same , outer diameter 3 mm
586025	v. EICKEN Antrum Cannula , LUER-Lock, long curved, outer diameter 2.5 mm, length 12.5 cm	586240	Same , outer diameter 4 mm
586030	Same , outer diameter 3 mm	586325	v. EICKEN Antrum Cannula , LUER-Lock, long curved, outer diameter 2.5 mm, length 15 cm
586040	Same , outer diameter 4 mm	586330	Same , outer diameter 3 mm
		586340	Same , outer diameter 4 mm
		586525	Antrum Cannula , LUER-Lock, straight, malleable, with serrated grip plate, outer diameter 2.5 mm, working length 15 cm

Instruments for Paranasal Sinuses, FESS

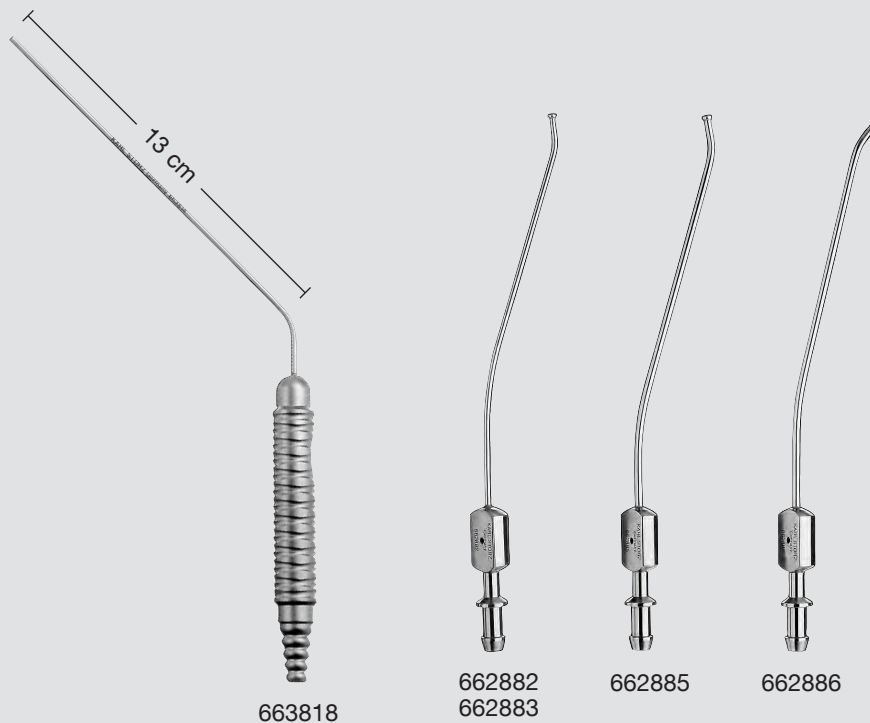
Suction Tubes



204810	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm
204812	Same , 12 Fr.
204815	Same , 15 Fr.
529305	FRAZIER Suction Tube , with mandrel and cut-off hole, with distance marking at 5 – 9 cm, 5 Fr., working length 10 cm
529307	Same , 7 Fr.
529309	Same , 9 Fr.
649180	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 6 Fr., working length 15 cm
649181	Same , 7 Fr.
649182	Same , 8 Fr.
649183	Same , 10 Fr.
649184	Same , 12 Fr.
649185	Same , 15 Fr.
722830	Suction Tube , angular, with grip plate and cut-off hole, LUER-Lock, outer diameter 3 mm, working length 14 cm

Further Suction Tubes see chapter 2, pages 46-52 and page 78
Components/Spare Parts see chapter 13

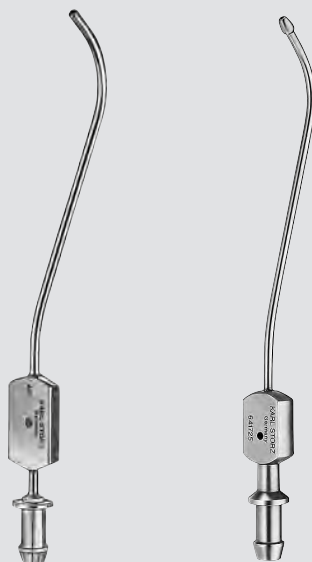
Suction Tubes, working length 13 cm



- 663818 **Suction Tube**, angular, malleable, with round handle and cut-off hole, diameter 2 mm, working length 13 cm
- 662882 FRANK-PASQUINI **Suction Tube**, angular, tip curved upwards, ball end, with grip plate and cut-off hole, LUER, diameter 2.4 mm, working length 13 cm
- 662883 **Same**, curved downwards
- 662885 FRANK-PASQUINI **Suction Tube**, angular, tip curved upwards, ball end, with grip plate and cut-off hole, LUER, diameter 3 mm, working length 13 cm
- 662886 **Same**, curved downwards

Instruments for Paranasal Sinuses, FESS

Suction Tubes, for frontal sinus



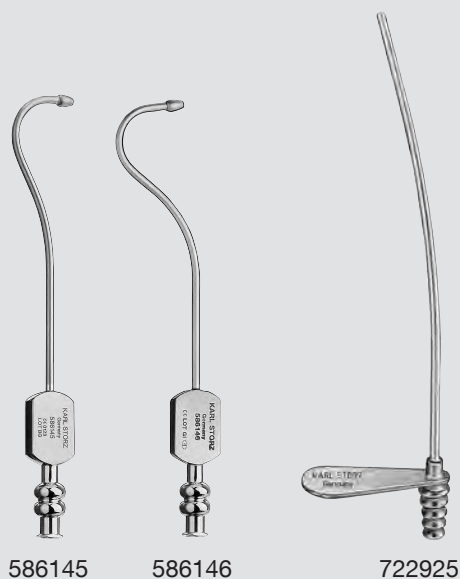
641625 –
641640

641725 –
641740

- 641625 **Suction Tube**, for frontal sinus, with cut-off hole, LUER, outer diameter 2.5 mm, length 14.5 cm
- 641630 **Same**, outer diameter 3 mm
- 641640 **Same**, outer diameter 4 mm
- 641725 PASQUINI **Suction Tube**, for frontal sinus, with olive and cut-off-hole, LUER, outer diameter 2.5 mm, length 14.5 cm
- 641730 **Same**, outer diameter 3 mm
- 641740 **Same**, outer diameter 4 mm

Instruments for Paranasal Sinuses, FESS

Antrum Cannulas, Suction Tube



- 586145 v. EICKEN-CASTELNUOVO **Antrum Cannula**, LUER-Lock, S-shaped slightly curved, malleable, serrated grip plate, outer diameter 2.5 mm, length 12.5 cm
- 586146 **Same**, strongly curved
- 722925 **Suction Tube**, conical, malleable, with finger grip plate, LUER-Lock, outer diameter 2.5 mm, working length 13 cm

Instruments for Paranasal Sinuses, FESS

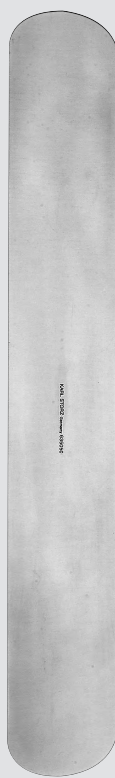
Spatulas, Septum Cannula, Frontal Sinus Bougies



635012 –
635025



635122



635050



810506



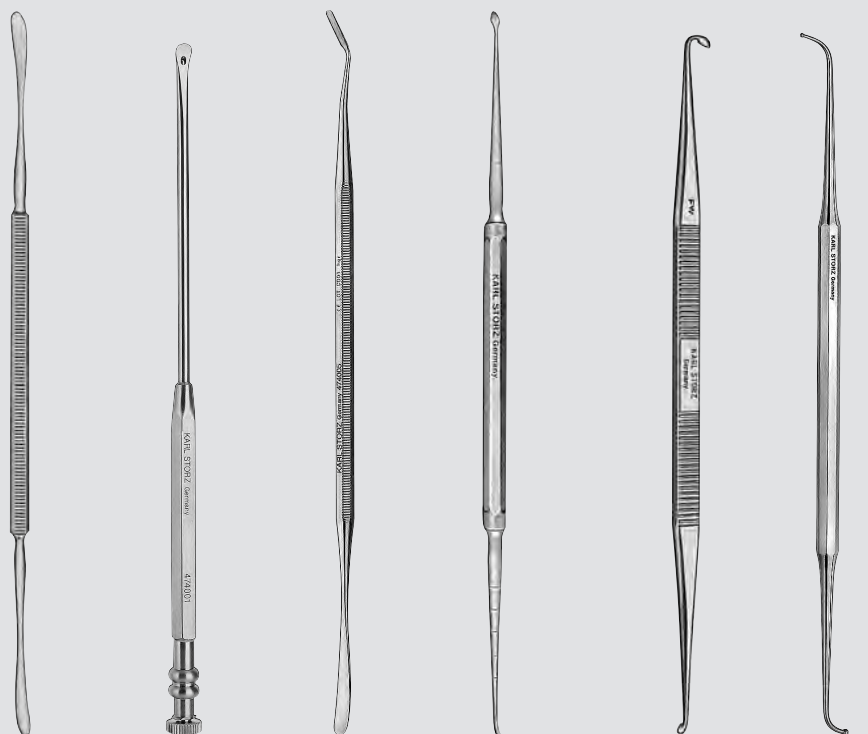
641525 –
641550

- 2.5 mm
- 3 mm
- 4 mm
- 5 mm

- 635012 **Spatula**, malleable, width 12 mm, length 20 cm
- 635017 **Same**, width 17 mm
- 635025 **Same**, width 25 mm
- 635122 **Orbital Spatula**, with double graduation, width 22 mm, length 20 cm
- 635050 **Spatula**, malleable, width 50 mm, length 30 cm
- 810506 **Septum Cannula**, angular, LUER-Lock
- 641525 RITTER **Frontal Sinus Bougie**, size 1, outer diameter 2.5 mm, length 14.5 cm
- 641530 **Same**, size 2, outer diameter 3 mm
- 641540 **Same**, size 3, outer diameter 4 mm
- 641550 **Same**, size 4, outer diameter 5 mm

Instruments for Paranasal Sinuses, FESS

Elevators, Double Curette



474000

474001

474005

479100

628720

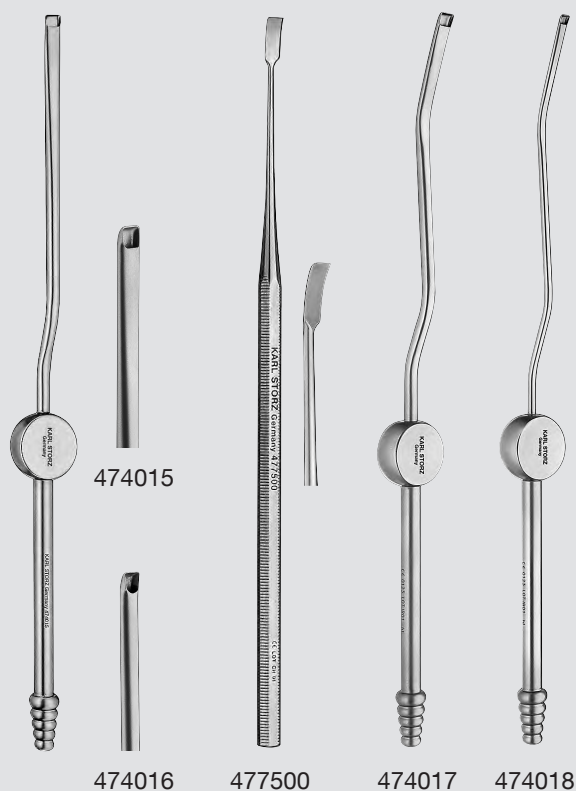
629820

- 474000 **FREER Elevator**, double-ended, semisharp and blunt, length 20 cm
- 474001 **FREER Suction Elevator**, with stylet, length 19 cm
- 474005 **FREER-JACOBS Elevator**, double-ended, semisharp, one side slightly curved FREER elevator, width 5 mm, other side JACOBS elevator, angled 45°, width 2.5 mm, length 20 cm, for infundibulotomy
- 479100 **COTTLE Elevator**, double-ended, semisharp and blunt, graduated, length 20 cm
- 628720 **Curette**, double-ended, oval, one side short curved 45°, semisharp, diameter 2.2 mm, other side long curved 90°, sharp, diameter 2.7 mm, length 19 cm
- 629820 **Probe**, double-ended, maxillary sinus ostium seeker, ball-shaped ends diameter 1.2 and 2 mm, length 19 cm

Components/Spare Parts see chapter 13

Instruments for Paranasal Sinuses, FESS

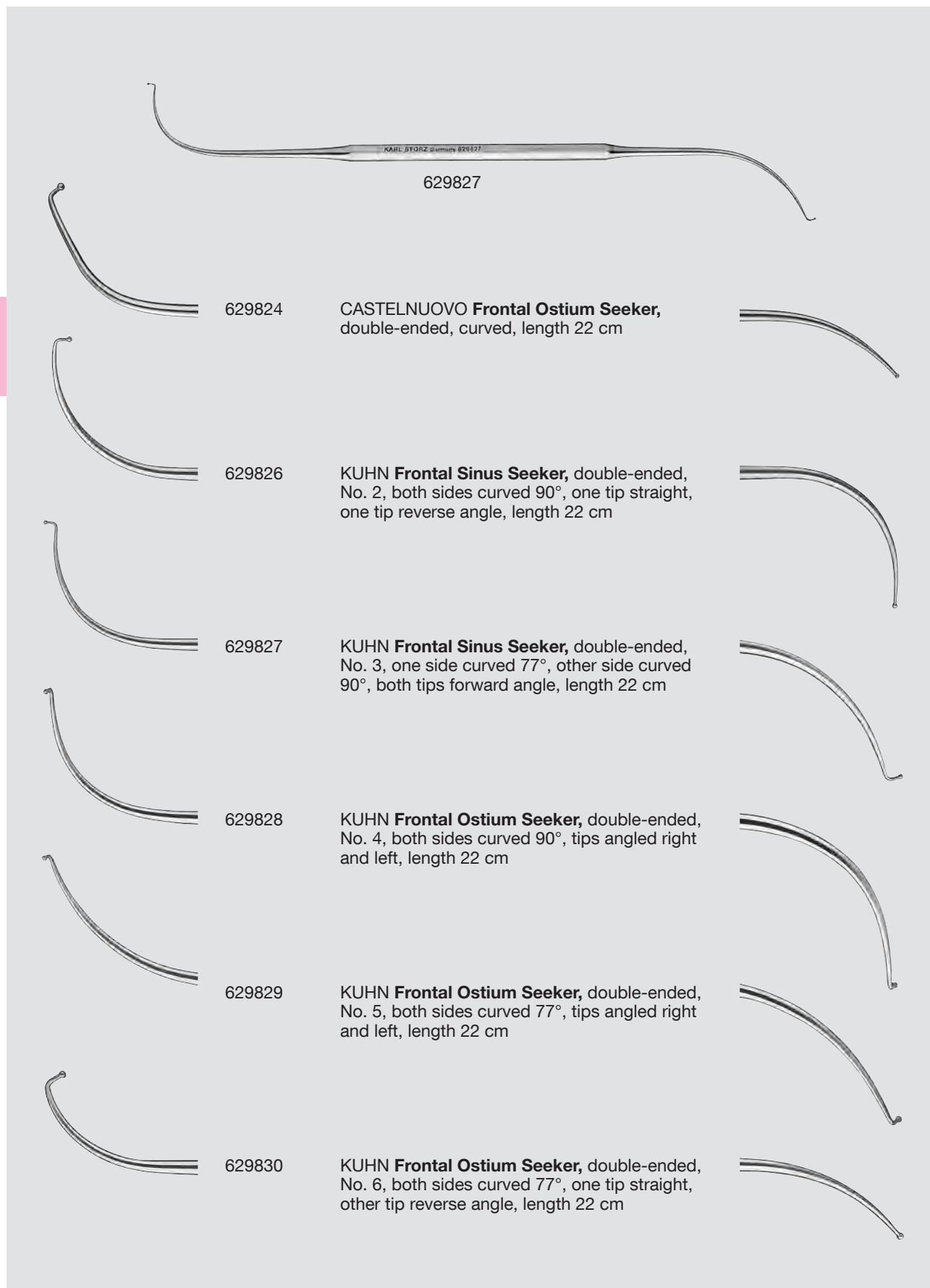
Elevators, Raspatory



- 474015 CASTELNUOVO **Suction Elevator**, flat tip 5 x 1.8 mm, lateral suction opening, bayonet-shaped, with grip plate, length 21 cm
- 474016 **Same**, flat tip 3 x 1.8 mm
- 477500 FREER **Raspatory**, curved, width 4 mm, length 16.5 cm
- 474017 CASTELNUOVO **Suction Elevator**, flat tip 5 x 1.8 mm, lateral suction opening, bayonet-shaped, distal end curved, with grip plate, length 21 cm
- 474018 **Same**, 3 x 1.8 mm

Instruments for Paranasal Sinuses, FESS

Frontal Ostium Seekers, Frontal Sinus Seekers



629827

629824

CASTELNUOVO Frontal Ostium Seeker, double-ended, curved, length 22 cm

629826

KUHN Frontal Sinus Seeker, double-ended, No. 2, both sides curved 90°, one tip straight, one tip reverse angle, length 22 cm

629827

KUHN Frontal Sinus Seeker, double-ended, No. 3, one side curved 77°, other side curved 90°, both tips forward angle, length 22 cm

629828

KUHN Frontal Ostium Seeker, double-ended, No. 4, both sides curved 90°, tips angled right and left, length 22 cm

629829

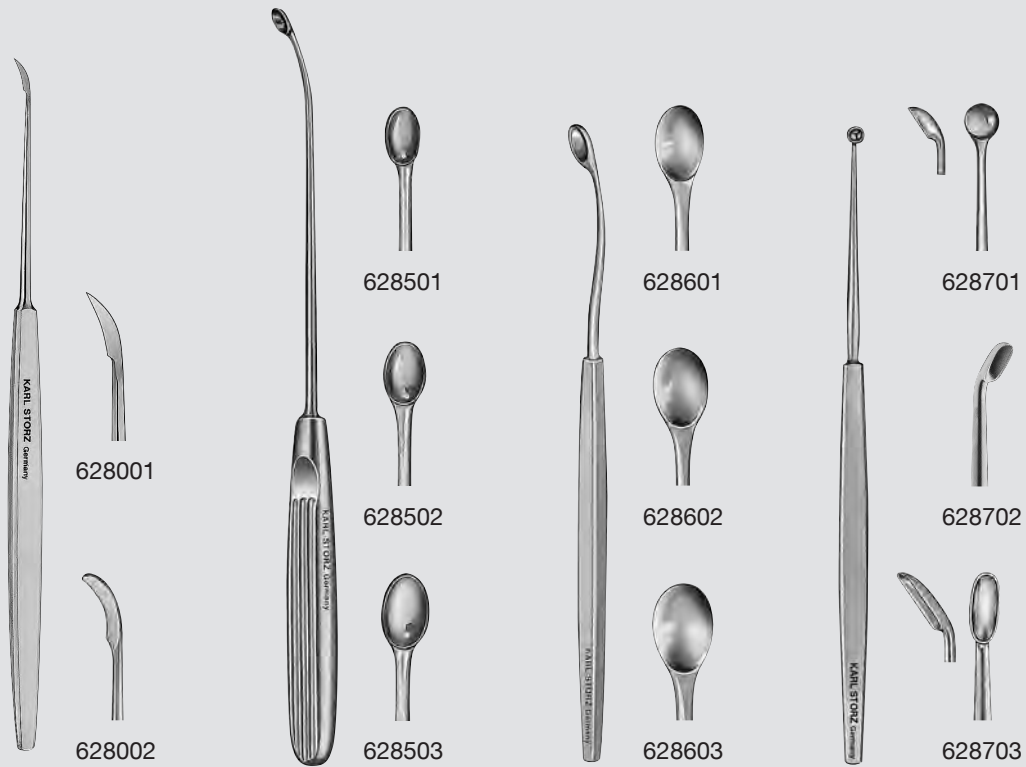
KUHN Frontal Ostium Seeker, double-ended, No. 5, both sides curved 77°, tips angled right and left, length 22 cm

629830

KUHN Frontal Ostium Seeker, double-ended, No. 6, both sides curved 77°, one tip straight, other tip reverse angle, length 22 cm

Instruments for Paranasal Sinuses, FESS

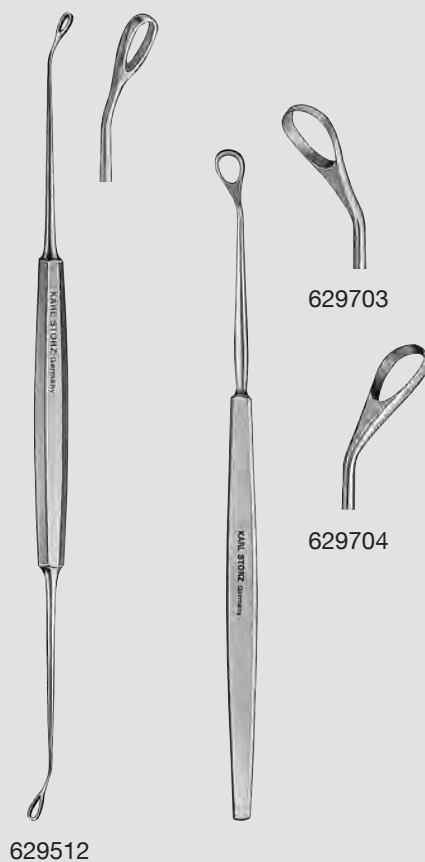
Sickle Knives, Antrum Curettes, Frontal Sinus Curettes



- 628001 **Sickle Knife**, pointed, length 19 cm
- 628002 **Same**, round, double-cutting
- 628501 **HALLE Antrum Curette**, malleable, size 1, length 21 cm
- 628502 **Same**, size 2
- 628503 **Same**, size 3
- 628601 **Antrum Curette**, oval, size 1, length 19 cm
- 628602 **Same**, size 2
- 628603 **Same**, size 3
- 628701 **Antrum Curette**, round, length 19 cm
- 628702 **Same**, oblong, small
- 628703 **Same**, oblong, large
- 628712 **KUHN-BOLGER Frontal Sinus Curette**, 55° curved, oval, forward cutting, length 19 cm
- 628714 **Same**, 90° curved
- 628715 **KUHN-BOLGER Frontal Sinus Curette**, elongated 90° curve, oblong, small, length 19 cm

Instruments for Paranasal Sinuses, FESS

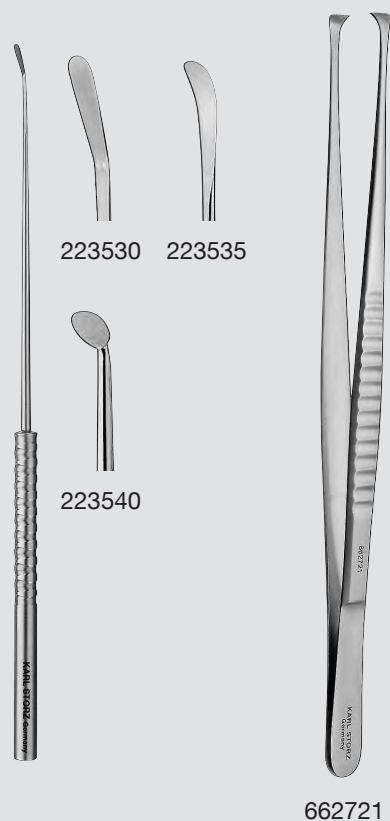
Curettes



- 629512 HALLE **Antrum Curette**, oval, width 4.3 mm, 35°/35°, length 24.5 cm
- 629703 **Antrum Curette**, forward cutting, small, length 19 cm
- 629704 **Same**, backward cutting

Instruments for Paranasal Sinuses, FESS

Dissectors, Forceps

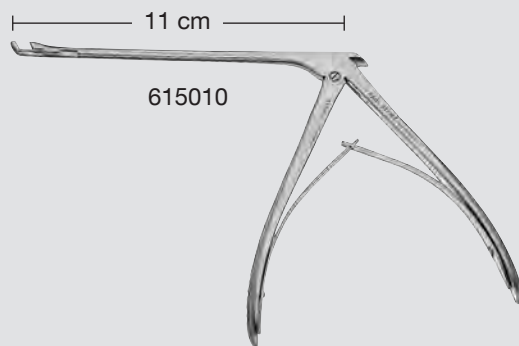


- 223530 **BEHRBOHM Dissector**, for dissection in the region of the paranasal sinuses, skull base and petrous bone, sharp, long flat spatula, tip angled 15°, with round handle, size 2 mm, length 17 cm
- 223535 **Same**, slightly curved spatula, straight, size 3 mm
- 223540 **Same**, round spatula, tip angled 45°, size 3 mm
- 662721 **ALLIS Forceps**, with fine teeth, length 20 cm

Instruments for Paranasal Sinuses, FESS

Antrum Punch, Sphenoid Punch

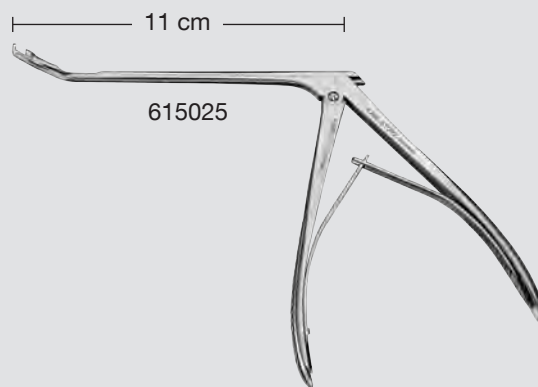
Antrum Punch, working length 11 cm



615010

Antrum Punch, for removal of small bone fragments on natural ostium, rigid, not through-cutting, 65° upbiting forward cutting, size 3.5 x 3.7 mm, working length 11 cm

Sphenoid Punch, working length 11 cm



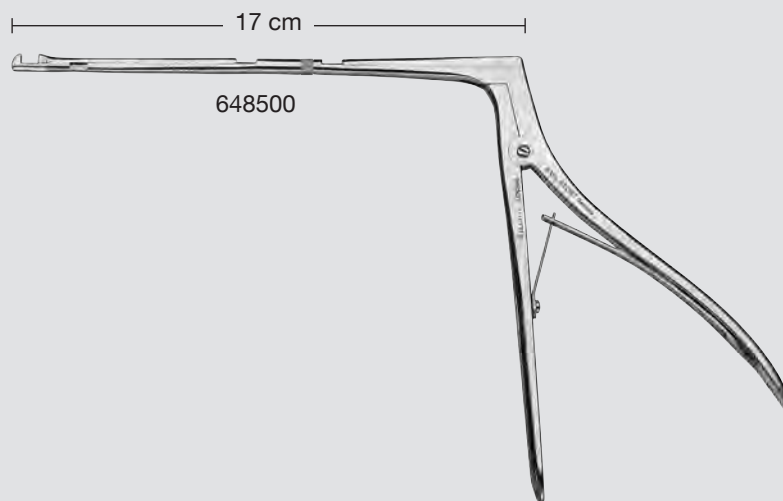
615025

CASTELNUOVO Sphenoid Punch, rigid, 30° upturned, not through-cutting, upbiting forward cutting, fixed jaw extra flat, size 2 x 2 mm, working length 11 cm

Instruments for Paranasal Sinuses, FESS

Sphenoid Punches

Sphenoid Punch, working length 17 cm



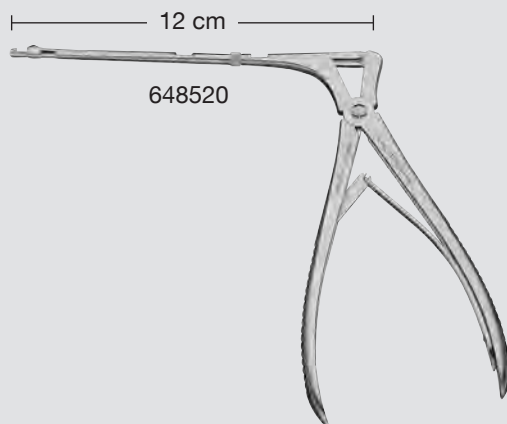
648500

HAJEK-KOFLER Sphenoid Punch,
not through-cutting, rotating, size
3.2 x 4 mm, working length 17 cm

Instruments for Paranasal Sinuses, FESS

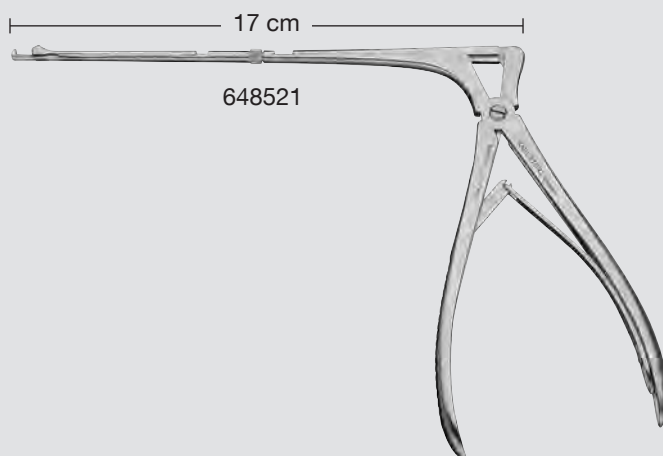
Sphenoid Punches

Sphenoid Punches, working lengths 12 and 17 cm



648520

McKENTY **Sphenoid Punch**, through-cutting, rotating, size 1.6 x 2 mm, working length 12 cm



648521

McKENTY **Sphenoid Punch**, rotating, through-cutting, size 1.6 x 2 mm, working length 17 cm



648523

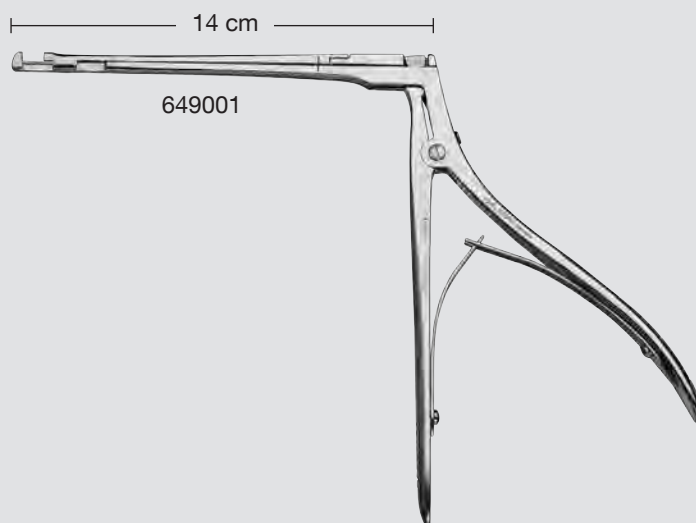
McKENTY-CASTELNUOVO **Sphenoid Punch**, rotating, tip curved 30°, through-cutting, size 1.6 x 2 mm, working length 17 cm

Instruments for Paranasal Sinuses, FESS

Bone Punches



HAJEK-KOFLER Bone Punch, working length 14 cm, detachable



detachable



649001

HAJEK-KOFLER Bone Punch, detachable,
rigid, 90° upbiting, not through-cutting,
size 3.5 x 3.7 mm, working length 14 cm



649002

Same, 90° downbiting



649005

Same, upbiting forward cutting



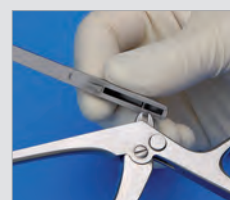
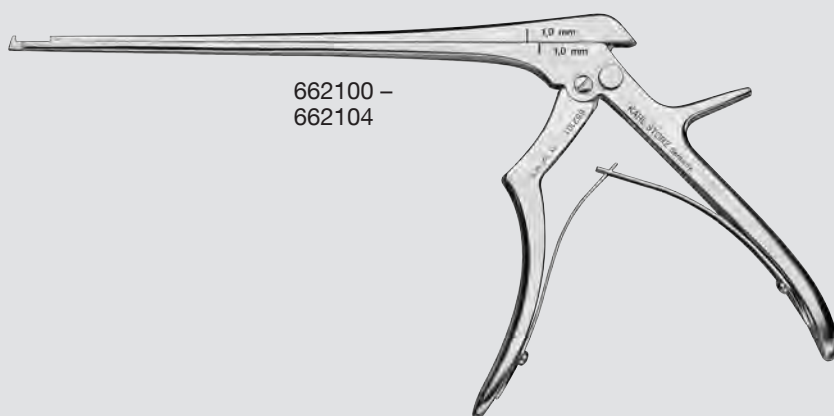
649006

Same, upbiting forward cutting,
size 2 x 2 mm

Instruments for Paranasal Sinuses, FESS

Bone Punches

Bone Punches, working length 17 cm, detachable



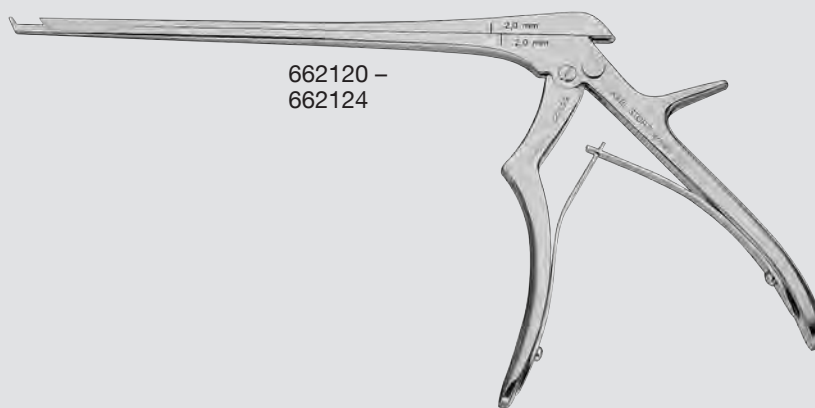
detachable

○		662100	KERRISON Bone Punch, detachable, rigid , 90° upbiting, not through-cutting, size 0.5 mm, working length 17 cm
○		662101	KERRISON Bone Punch, detachable, rigid , 90° upbiting, not through-cutting, size 1 mm, working length 17 cm
□		662102	Same , size 2 mm
□		662103	Same , size 3 mm
□		662104	Same , size 4 mm
○		662111	KERRISON Bone Punch, detachable, rigid , 90° downbiting, not through-cutting, size 1 mm, working length 17 cm
□		662112	Same , size 2 mm
□		662113	Same , size 3 mm

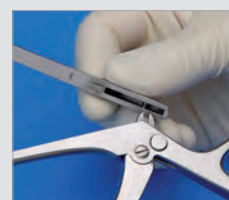
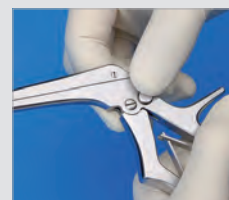
Instruments for Paranasal Sinuses, FESS

Bone Punches

Bone Punches, working length 17 cm, detachable



662120 –
662124



detachable

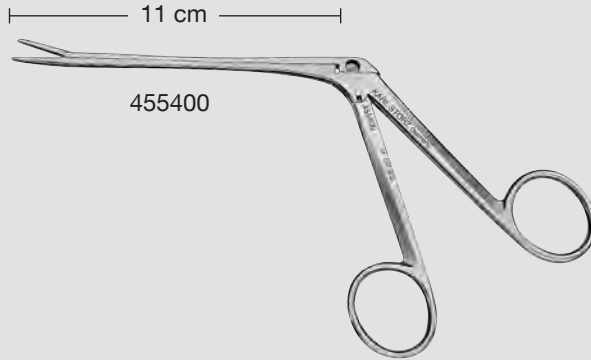
○		662120	KERRISON Bone Punch, detachable, rigid, upbiting 40° forward, size 0.7 mm, working length 17 cm
○		662121	Same, size 1 mm
◻		662122	Same, size 2 mm
◻		662123	Same, size 3 mm
◻		662124	Same, size 4 mm
○		662131	KERRISON Bone Punch, detachable, rigid, downbiting 40° forward, size 1 mm, working length 17 cm
◻		662132	Same, size 2 mm
◻		662133	Same, size 3 mm

Instruments for Paranasal Sinuses, FESS

Nasal Forceps



NOYES-HARTMANN Nasal Forceps, working length 11 cm, dismantling



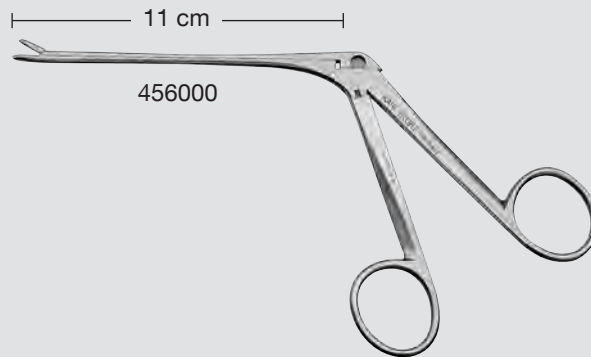
dismantling



455400

NOYES-HARTMANN Nasal Forceps, dismantling, serrated jaws, working length 11 cm

BLAKESLEY Nasal Forceps, working lengths 11 and 15 cm, dismantling



456000

BLAKESLEY Nasal Forceps, dismantling, straight, size 0, working length 11 cm



456001

Same, size 1



456001 L

Same, size 1, working length 15 cm



456002

BLAKESLEY Nasal Forceps, dismantling, straight, size 2, working length 11 cm



456003

Same, size 3



456004

Same, size 4

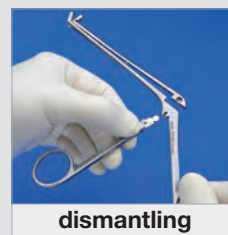
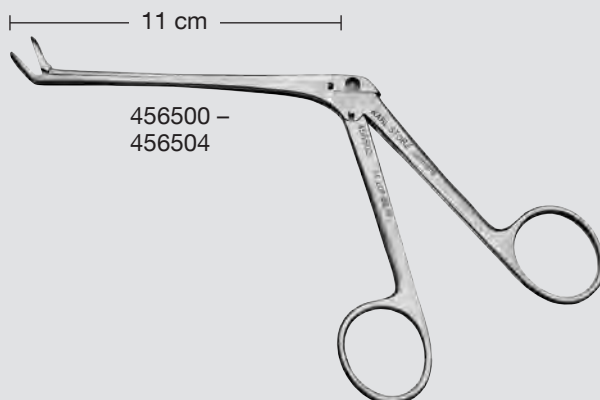
Opening Aid 459999 for Forceps with Lug see chapter 13

Instruments for Paranasal Sinuses, FESS

Nasal Forceps



BLAKESLEY-WILDE Nasal Forceps, working length 11 cm, dismantling



456500

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 45° upturned, size 0, working length 11 cm



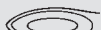
456501

Same, size 1



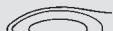
456502

Same, size 2



456503

Same, size 3



456504

Same, size 4



456801

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 90° upturned, size 1, working length 11 cm



456802

Same, size 2



456803

Same, size 3



456811

BLAKESLEY-WILDE **Nasal Forceps, dismantling**, 90° upturned, slender, long jaws 3.5 x 12 mm, working length 11 cm

BLAKESLEY-WIGAND Nasal Forceps, working length 11 cm, dismantling



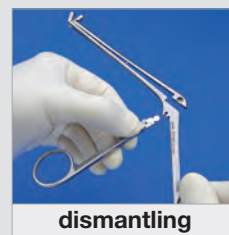
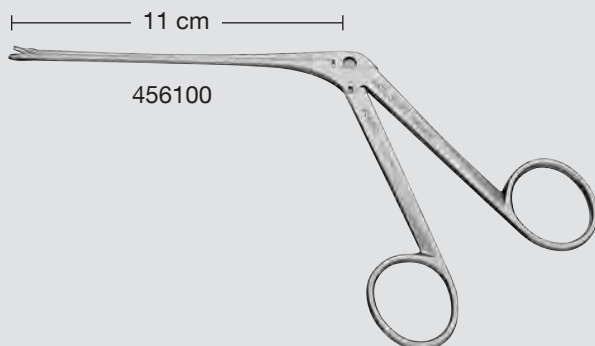
457720

BLAKESLEY-WIGAND **Nasal Forceps, dismantling**, 60° upturned, long jaws 6 x 20 mm, rounded tips, working length 11 cm

Instruments for Paranasal Sinuses, FESS

Nasal Forceps

Nasal Forceps, working length 11 cm, dismantling



456100

Nasal Forceps, dismantling, straight, through-cutting, for a smooth cut, BLAKESLEY shape, width 2.5 mm, working length 11 cm



456101

Same, width 3.5 mm



456102

Same, width 4.2 mm



456103

Same, width 4.8 mm



456120

Nasal Forceps, dismantling, 45° upturned, through-cutting, for a smooth cut, BLAKESLEY shape, width 2.5 mm, working length 11 cm



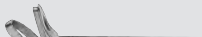
456121

Same, width 3.5 mm



456122

Same, width 4.2 mm



456123

Same, width 4.8 mm

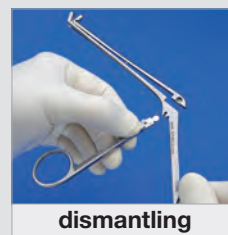
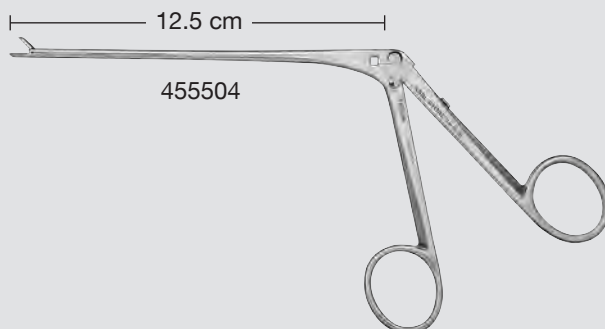
Opening Aid 459999 for Forceps with Lug see chapter 13

Instruments for Paranasal Sinuses, FESS

Nasal Forceps

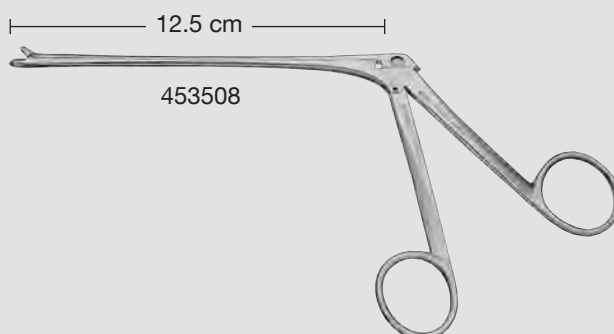


Nasal Forceps, working lengths 10.5 and 12.5 cm, dismantling



455504

TAKAHASHI Nasal Forceps, dismantling, straight, delicate, working length 12.5 cm



453508

Nasal Forceps, dismantling, straight, through-cutting, slender model, with flat jaws, bite 3 x 4 mm, working length 12.5 cm



453509

GRÜNWALD-HENKE Nasal Forceps, dismantling, straight, through-cutting, fine, bite 1.25 x 5 mm, working length 12.5 cm



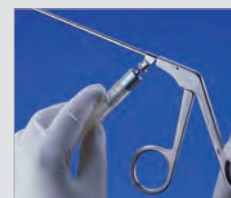
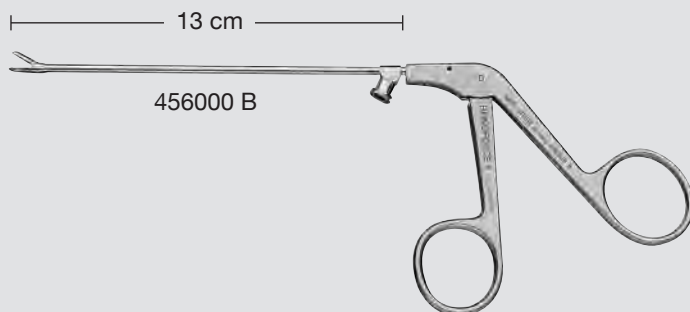
453510

Nasal Forceps, dismantling, straight, through-cutting, robust model, small, bite 2.5 x 6.5 mm, working length 10.5 cm

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Nasal Forceps

BLAKESLEY RHINOFORCE® II Nasal Forceps, with cleaning connector



with cleaning connector



455999 B

BLAKESLEY RHINOFORCE® II Nasal Forceps, straight, size 00, with cleaning connector, working length 13 cm



456000 B

Same, size 0



456001 B

Same, size 1



456002 B

Same, size 2



456003 B

Same, size 3



456499 B

BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, 45° upturned, size 00, with cleaning connector, working length 13 cm



456500 B

Same, size 0



456501 B

Same, size 1



456502 B

Same, size 2



456801 B

BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, 90° upturned, size 1, with cleaning connector, working length 13 cm



456802 B

Same, size 2



456803 B

Same, size 3



456601 B

BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, curved to right 45°, size 1, with cleaning connector, working length 13 cm

Recommended Tray for Sterilization 39910 SC see HYGIENE catalog

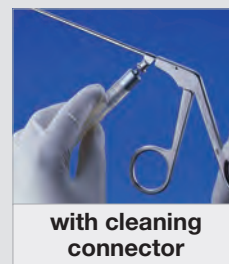
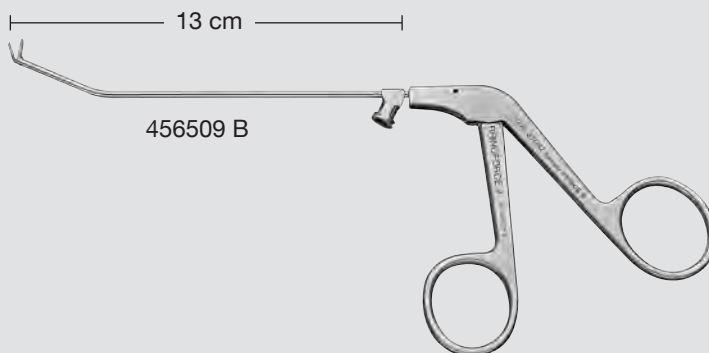
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Nasal Forceps



BLAKESLEY-CASTELNUOVO RHINOFORCE® II Nasal Forceps,
with cleaning connector



456010 B

BLAKESLEY-CASTELNUOVO RHINOFORCE® II Nasal Forceps, end of sheath 25° upturned, with straight jaws, width 3 mm, with cleaning connector, working length 13 cm



456509 B

BLAKESLEY-CASTELNUOVO RHINOFORCE® II Nasal Forceps, end of sheath 25° upturned, jaws 45° upturned, width 2.5 mm, with cleaning connector, working length 13 cm



456510 B

Same, width 3 mm



456511 B

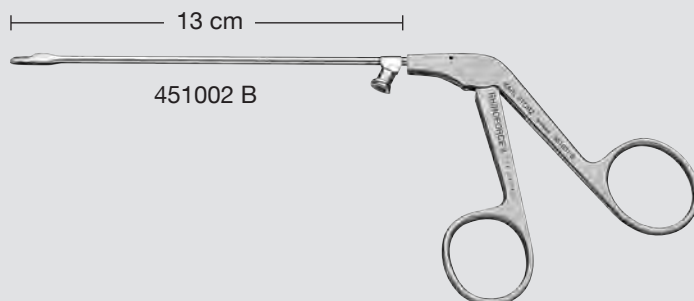
Same, width 3.5 mm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Nasal Cutting Forceps

GRÜNWALD-HENKE/CASTELNUOVO RHINOFORCE® II Nasal Cutting Forceps, through-cutting, with cleaning connector



with cleaning connector



451000 B

GRÜNWALD-HENKE **RHINOFORCE® II Nasal Cutting Forceps**, straight, through-cutting, for a smooth cut, BLAKESLEY shape, size 0, width 3 mm, with cleaning connector, working length 13 cm

451001 B

Same, size 1, width 3.5 mm

451002 B

Same, size 2, width 4 mm



451010 B

CASTELNUOVO **RHINOFORCE® II Nasal Cutting Forceps**, end of sheath 25° upturned, through-cutting, with straight jaws, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm



451500 B

GRÜNWALD-HENKE **RHINOFORCE® II Nasal Cutting Forceps**, 45° upturned, through-cutting, for a smooth cut, BLAKESLEY shape, size 0, width 3 mm, with cleaning connector, working length 13 cm

451501 B

Same, size 1, width 3.5 mm

451502 B

Same, size 2, width 4 mm



451510 B

CASTELNUOVO **RHINOFORCE® II Nasal Cutting Forceps**, end of sheath 25° upturned, through-cutting, jaws 45° upturned, BLAKESLEY shape, width 3 mm, with cleaning connector, working length 13 cm

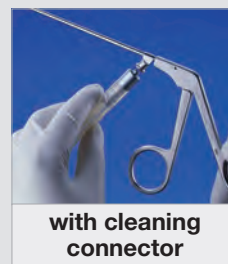
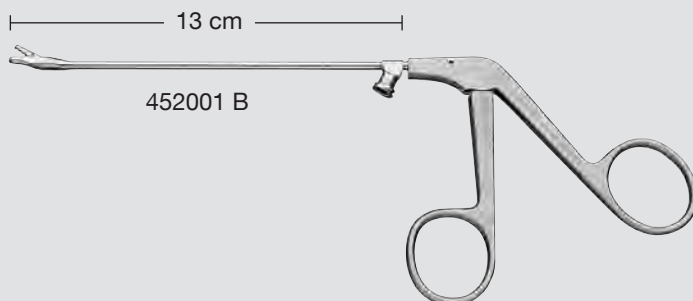
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Nasal Cutting Forceps



MACKAY-GRÜNWARD RHINOFORCE® II Nasal Cutting Forceps, through-cutting, with cleaning connector



452001 B

MACKAY-GRÜNWARD RHINOFORCE® II Nasal Cutting Forceps, straight, through-cutting, extra delicate, for a smooth cut, 8 x 3 mm, size 1, with cleaning connector, working length 13 cm



452002 B

Same, 11.5 x 3.5 mm, size 2



452501 B

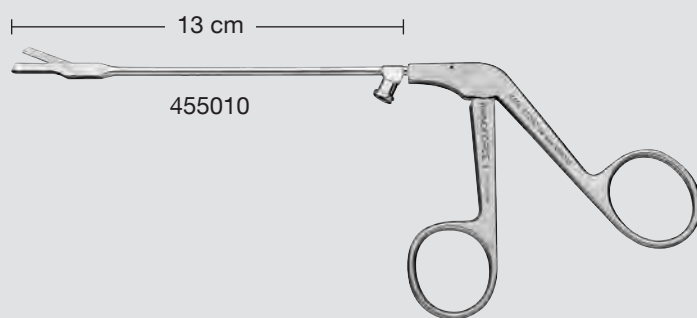
MACKAY-GRÜNWARD RHINOFORCE® II Nasal Cutting Forceps, 45° upturned, through-cutting, extra delicate, for a smooth cut, 8 x 3 mm, size 1, with cleaning connector, working length 13 cm



452502 B

Same, 11.5 x 3.5 mm, size 2

STRUYCKEN RHINOFORCE® II Nasal Cutting Forceps, with cleaning connector



455010

STRUYCKEN RHINOFORCE® II Nasal Cutting Forceps, with cleaning connector, working length 13 cm

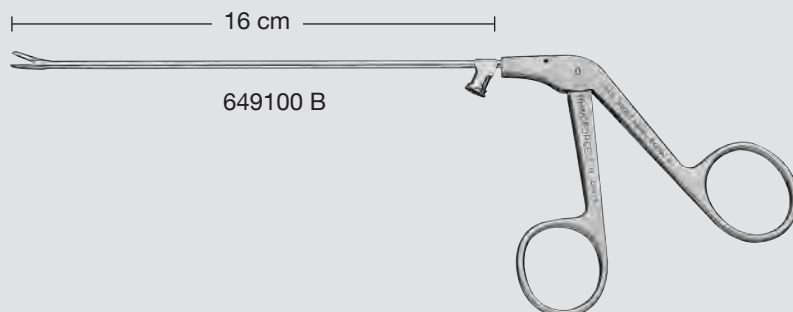
4-03z

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Ethmoid Forceps

RHINOFORCE® II Ethmoid Forceps, working length 16 cm, with cleaning connector



with cleaning connector

		649100 B	BLAKESLEY RHINOFORCE® II Ethmoid Forceps, straight, size 0, with cleaning connector, working length 16 cm
		649101 B	Same , size 1
		649102 B	Same , size 2
		649110 B	BLAKESLEY-WILDE RHINOFORCE® II Ethmoid Forceps, 45° curved upwards, size 0, with cleaning connector, working length 16 cm
		649111 B	Same , size 1
		649123 B	TAKAHASHI RHINOFORCE® II Ethmoid Forceps, spoon size 4 x 10 mm, with cleaning connector, working length 16 cm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

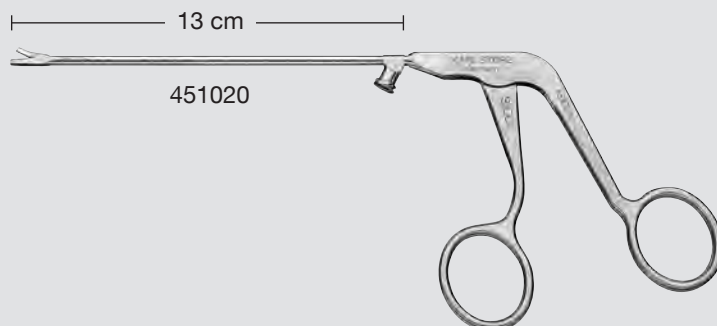
Instruments for Paranasal Sinuses, FESS

SilCut® Nasal Forceps

Special Features:

- Flat jaws
- Through-cutting and backward-cutting versions also available

Nasal Forceps, working length 13 cm, with cleaning connector



with cleaning connector



456021

GRÜNWALD-HENKE **SILCUT®** Nasal Forceps, straight, not through-cutting, BLAKESLEY shape, size 1, with cleaning connector, working length 13 cm



456521

Same, 45° upturned



451020

GRÜNWALD-HENKE **SILCUT®** Nasal Cutting Forceps, straight, through-cutting, BLAKESLEY shape, size 0, with cleaning connector, working length 13 cm



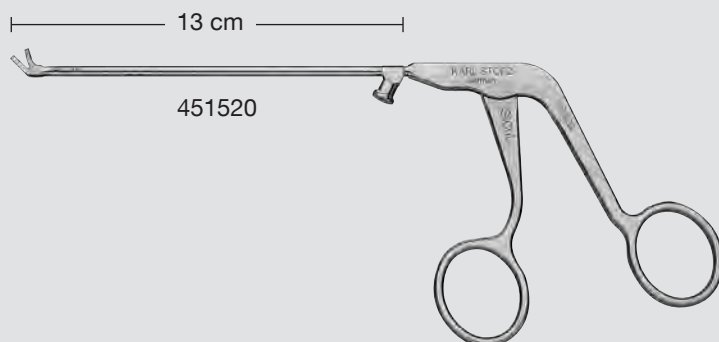
451021

Same, size 1




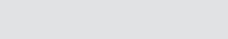


Instruments for Paranasal Sinuses, FESS

SilCut® Nasal Cutting Forceps, SilCut® Antrum Punches

Nasal Cutting Forceps, working lengths 13 and 10 cm, with cleaning connector



with cleaning connector

- | | | |
|---|--------|--|
|  | 451520 | GRÜNWARD-HENKE SILCUT® Nasal Cutting Forceps, 45° upturned, through-cutting, BLAKESLEY shape, size 0, with cleaning connector, working length 13 cm |
|  | 451521 | Same , size 1 |
|  | 452011 | MACKAY-GRÜNWARD SILCUT® Nasal Cutting Forceps, straight, through-cutting, size 1.8 x 3 mm, with cleaning connector, working length 13 cm |
|  | 459110 | STAMMBERGER SILCUT® Antrum Punch, upbiting backward cutting, with cleaning connector, working length 10 cm |
|  | 459151 | Same , right side downward and forward cutting |
|  | 459152 | Same , left side downward and forward cutting |

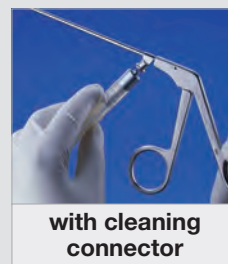
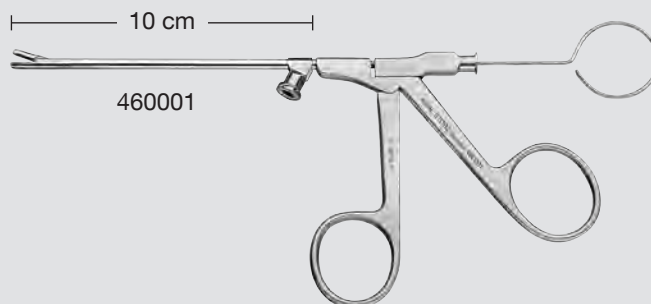
Recommended Tray for Sterilization 39910 SC see HYGIENE catalog

Instruments for Paranasal Sinuses, FESS

Suction Punches, for biopsy and grasping

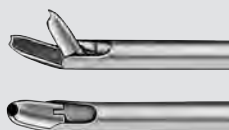


STAMMBERGER Suction Punches, for biopsy and grasping, with central suction channel, with cleaning connector



460001

STAMMBERGER **Suction Punch**, for biopsy and grasping, straight, with central suction channel, with Cleaning Stylet 460001 E, size 1, with cleaning connector, working length 10 cm



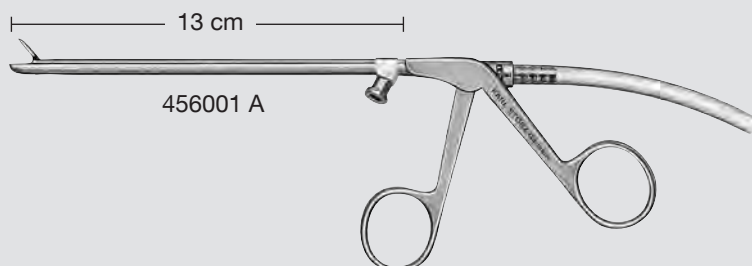
460501

STAMMBERGER **Suction Punch**, for biopsy and grasping, curved upwards, with central suction channel, with Cleaning Stylet 460001 E, size 1, with cleaning connector, working length 10 cm

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Biopsy and Grasping Forceps

KENNEDY-BLAKESLEY/KENNEDY-LUSK RHINOFORCE® II Biopsy and Grasping Forceps, with lateral suction channel, with cleaning connector



with cleaning connector



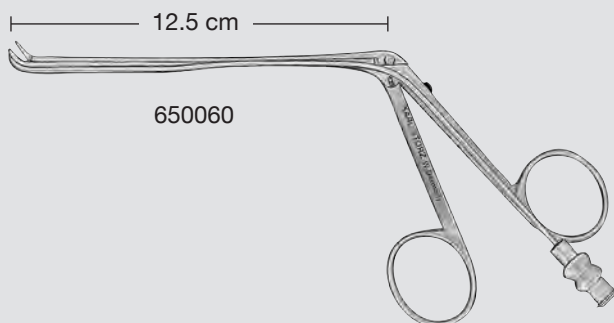
456001 A

KENNEDY-BLAKESLEY RHINOFORCE® II Suction Punch, for biopsy and grasping, straight, with suction channel, size 1, with cleaning connector, working length 13 cm



456501 A

KENNEDY-BLAKESLEY RHINOFORCE® II Biopsy and Grasping Forceps, 45° upturned, with suction channel, size 1, with cleaning connector, working length 12.5 cm



650050

KENNEDY-LUSK Biopsy and Grasping Forceps, straight, for children, with suction channel, working length 12.5 cm



650060

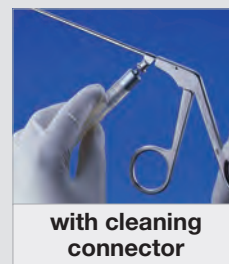
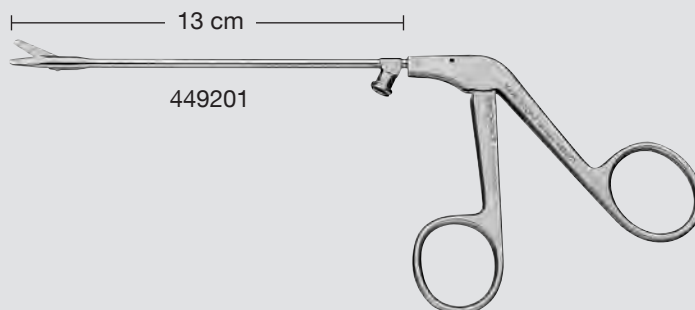
Same, 45° upturned

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Nasal Scissors

RHINOFORCE® II Nasal Scissors, working length 13 cm, with cleaning connector



449201

RHINOFORCE® II Nasal Scissors, straight, with cleaning connector, working length 13 cm



449202

Same, curved to right



449203

Same, curved to left



449211

RHINOFORCE® II Nasal Scissors, straight, small model, length of cut 10 mm, with cleaning connector, working length 13 cm



449212

Same, curved to right



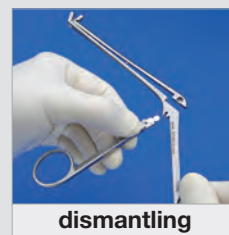
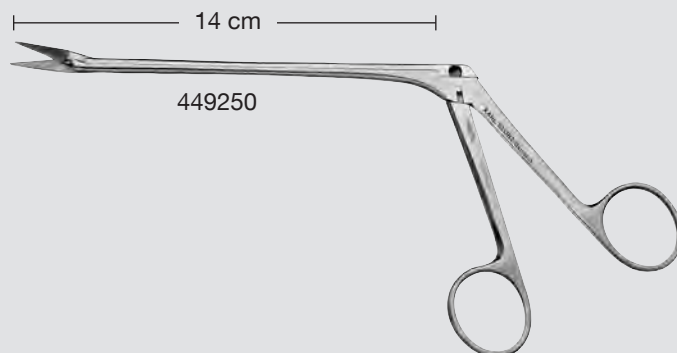
449213

Same, curved to left

Instruments for Paranasal Sinuses, FESS

Nasal Scissors

Nasal Scissors, working lengths 11, 12 and 14 cm, dismantling



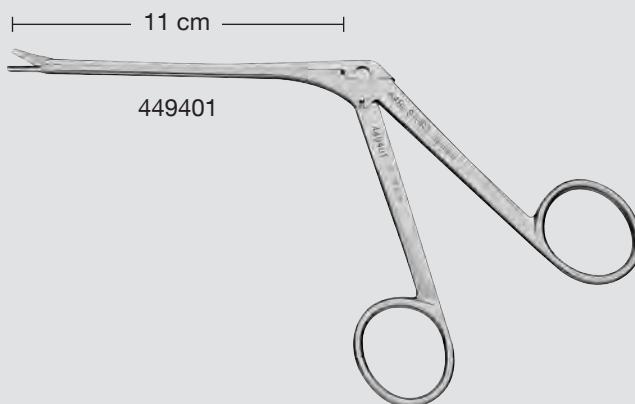
449250

Nasal Scissors, ZÜRICH model, dismantling, straight, large model, cutting length 18 mm, working length 14 cm



449251

Nasal Scissors, ZÜRICH model, dismantling, straight, small model, cutting length 12 mm, working length 12 cm



449401

Nasal Scissors, dismantling, straight, slender model, serrated, cutting length 10 mm, working length 11 cm



449402

Same, curved to right



449403

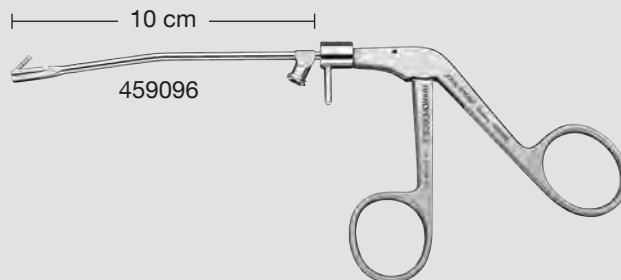
Same, curved to left

Opening Aid 459999 for Scissors with Lugs (except Nasal Scissors 449251) see chapter 13

Instruments for Paranasal Sinuses, FESS

Antrum Punches

Antrum Punches, working length 10 cm, with cleaning connector

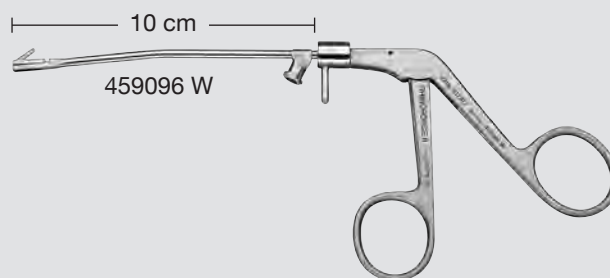


with cleaning connector



459096

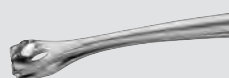
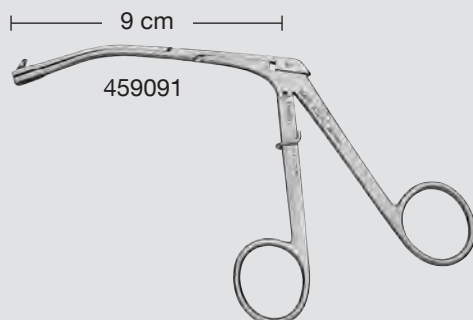
OSTRUM Antrum Punch, backward cutting, sheath 360° rotating, with set screw, sheath slightly curved downwards, with cleaning connector, working length 10 cm



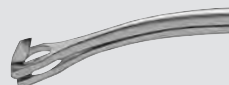
459096 W

OSTRUM-WORMALD Antrum Punch, backward cutting, extra slender jaws, sheath 360° rotating, with set screw, sheath slightly curved downwards, with cleaning connector, working length 10 cm

Punches, working length 9 cm



459090 OSTRUM **Pediatric Punch**, for resection of uncinat process, upside backward cutting, sheath slightly curved downwards, small size, bite 2.3 x 4 mm, working length 9 cm



459091 OSTRUM **Pediatric Punch**, for resection of uncinat process, upside backward cutting, sheath slightly curved downwards, large size, bite 3.5 x 4.5 mm, working length 9 cm

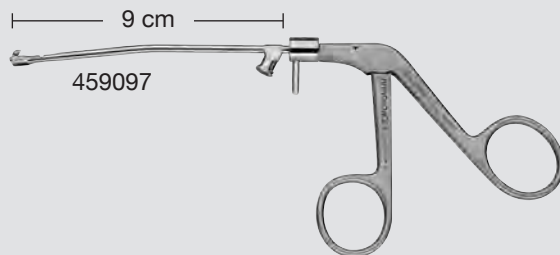


459093 OSTRUM **Pediatric Punch**, for resection of uncinat process, upside backward cutting, sheath slightly curved upwards, large size, bite 3.5 x 4.5 mm, working length 9 cm

Instruments for Paranasal Sinuses, FESS

Punches

OSTRUM Punches, working length 9 cm, backward cutting, with cleaning connector

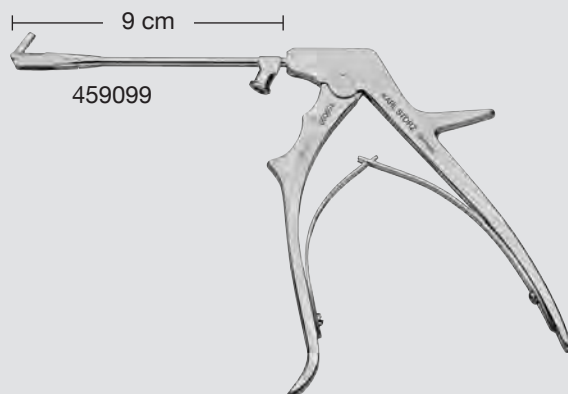


with cleaning connector



459097

OSTRUM Punch, for children, for resection of the uncinat process, backward cutting, sheath 360° rotating, with set screw, sheath slightly curved downwards, small size, bite 2.3 x 4 mm, with cleaning connector, working length 9 cm



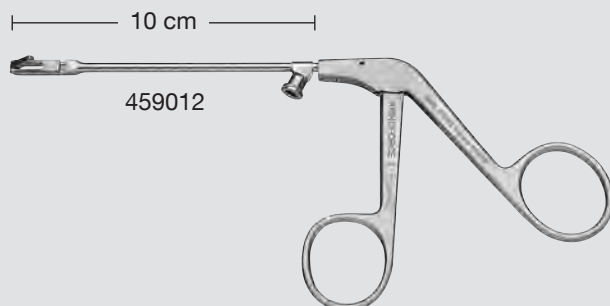
459099

OSTRUM Antrum Punch, upside backward cutting, robust model, straight, spring-action handle with horn, with cleaning connector, working length 9 cm

Instruments for Paranasal Sinuses, FESS

STAMMBERGER Antrum Punches

STAMMBERGER Antrum Punches, backward cutting, with cleaning connector



with cleaning connector



459010

STAMMBERGER **RHINOFORCE® II** Antrum Punch, upside backward cutting, with cleaning connector, working length 10 cm



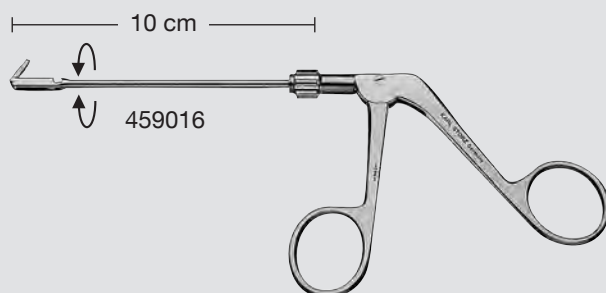
459011

Same, right side backward cutting



459012

Same, left side backward cutting



459016

STAMMBERGER Antrum Punch, **dismantling**, backward cutting, sheath 360° rotatable, with fixation screw, dismantling, working length 10 cm, for use with Cleaning Adaptor 459015 LL



459015 LL

Cleaning Adaptor

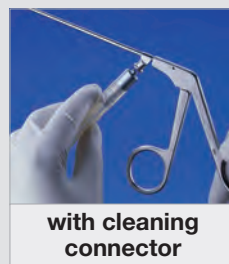
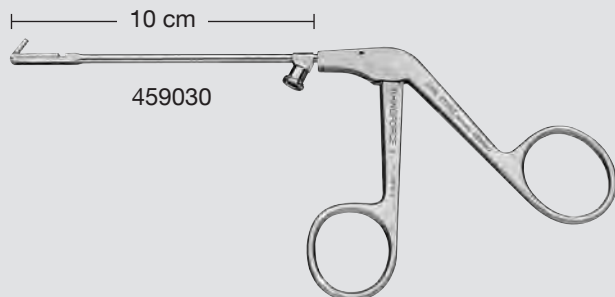
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

STAMMBERGER Antrum Punches



STAMMBERGER Antrum Punches, for children, backward cutting, with cleaning connector



459030

STAMMBERGER **RHINOFORCE® II** Antrum Punch, small pediatric size, slender, upward backward cutting, with cleaning connector, working length 10 cm



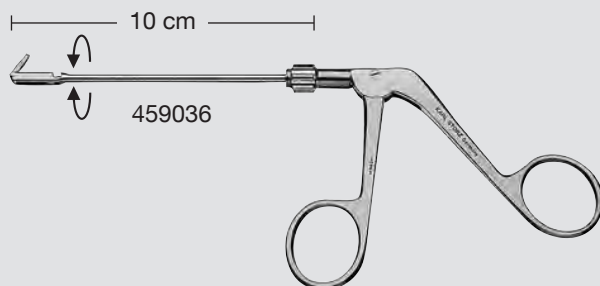
459031

Same, right side backward cutting



459032

Same, left side backward cutting



459036

STAMMBERGER **Antrum Punch**, small pediatric size, slender, backward cutting, sheath 360° rotating, with fixing screw, dismantling, working length 10 cm, for use with Cleaning Adaptor 459015 LL



459015 LL

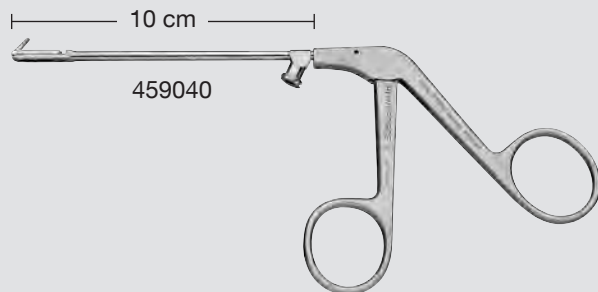
Cleaning Adaptor

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

PARSONS RHINOFORCE® II Punches

PARSONS RHINOFORCE® II Punches, backward cutting,
with cleaning connector



with cleaning
connector



459040

PARSONS RHINOFORCE® II Punch, for resection of the uncinat process, upward backward cutting, movable jaw with round tip, diameter 2.5 mm, with cleaning connector, working length 10 cm



459041

Same, right side backward cutting



459042

Same, left side backward cutting

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

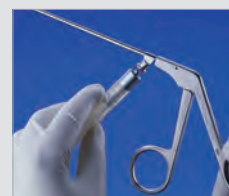
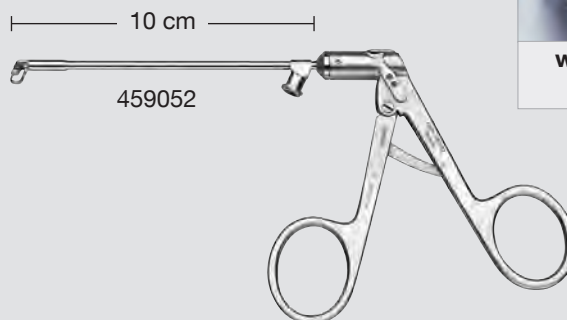
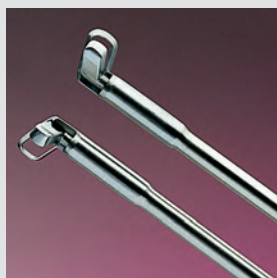
STAMMBERGER Antrum Punches



STAMMBERGER Antrum Punch, sidebiting downward and forward cutting, with cleaning connector

The sidebiting antrum punch designed in conjunction with Professor Heinz STAMMBERGER is especially helpful for removing remnants of the inferior uncinete process. The antrum punch is available in left and right versions and is designed to cut downward and forward. The punch design allows individual shaping of the antrostomy opening and extension of the antrostomy

inferiorly and posteriorly. The antrum punch can also be used to connect an accessory ostium to the natural maxillary ostium as well as for partial resection of the inferior orbital floor in orbital decompression procedures.



with cleaning connector



459051

STAMMBERGER **Antrum Punch**, right side downward and forward cutting, with cleaning connector, working length 10 cm



459052

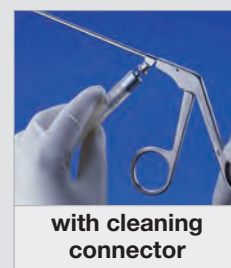
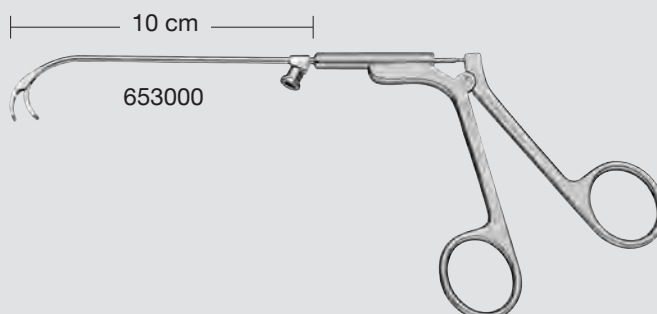
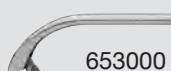
Same, left side downward and forward cutting



HEUWIESER Antrum Grasping Forceps, with cleaning connector

Special Features:

- Short, sharp-radius curve starting at the joint of the jaws
- Far-reaching jaws open backwards
- For endonasal removal of cysts and polyps
- Distal end of the forceps is sharply curved like an antrum cannula, thus making it possible to introduce the working end far into the antrum; the fundus of the antrum is reached down to the alveolar sinus
- With the telescope introduced separately, the forceps sheath with a diameter of 2.5 mm allows use and visualization inside the antrum
- Fenestrated jaws enable unobstructed view of anatomic structures and the position of the jaw tips, thus facilitating localized work with the forceps
- Also suitable for removing fish bones and hairs from the hypopharynx



- 653000 HEUWIESER **Antrum Grasping Forceps**, jaws curved downwards, fixed jaw curved 90°, movable jaw backward opening 120°, with cleaning connector, working length 10 cm
- 653001 **Same**, jaws curved upwards
- 653002 **Same**, jaws curved to right
- 653003 **Same**, jaws curved to left
- 653005 HEUWIESER **Antrum Grasping Forceps**, with extra long curve for anterior alveolar recess, fixed jaw curved downwards 115°, movable jaw backward opening up to 140°, with cleaning connector, working length 10 cm
- 653006 HEUWIESER **Antrum Grasping Forceps**, with extra long curve for anterior alveolar recess, fixed jaw curved downwards 140°, movable jaw backward opening up to 155°, with cleaning connector, working length 10 cm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

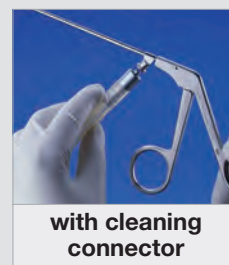
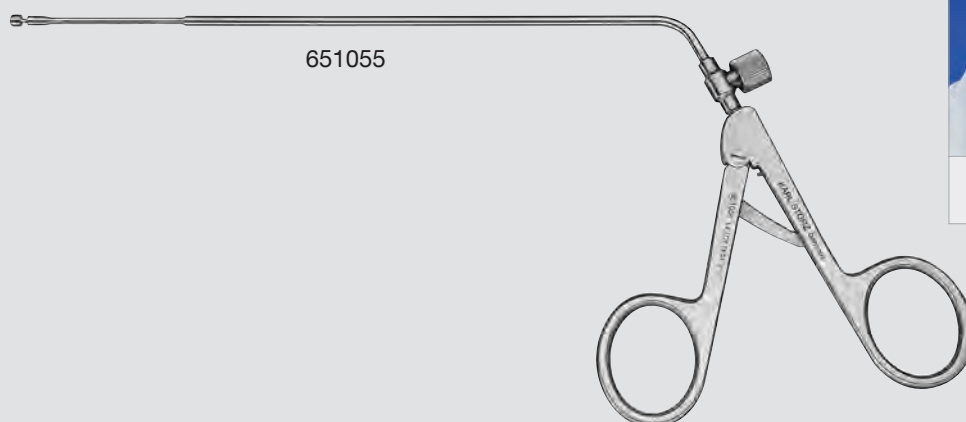
STAMMBERGER Punches


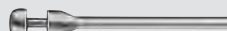




STAMMBERGER Circular Cutting Punches, with cleaning connector

Special Features:

- For enlarging openings in the sphenoid frontal wall
- Circular cutting punch mechanism allows cutting in a full circle of 360° without rotating the instrument as required with a conventional punch forceps
- No interference with other instruments simultaneously used in the nose (e. g. endoscope, suction tube)
- Available in 2 sizes: diameter 3.5 and 4.5 mm, punch head 4-fold LASER-welded
- With cleaning connector
- Multipurpose use:
 - In addition to abrading procedures applied to the sphenoid frontal wall, bony ethmoid septa, pieces of nasal concha and other thin bony bridges can also be cut away
 - Useful for the treatment of choanal atresia



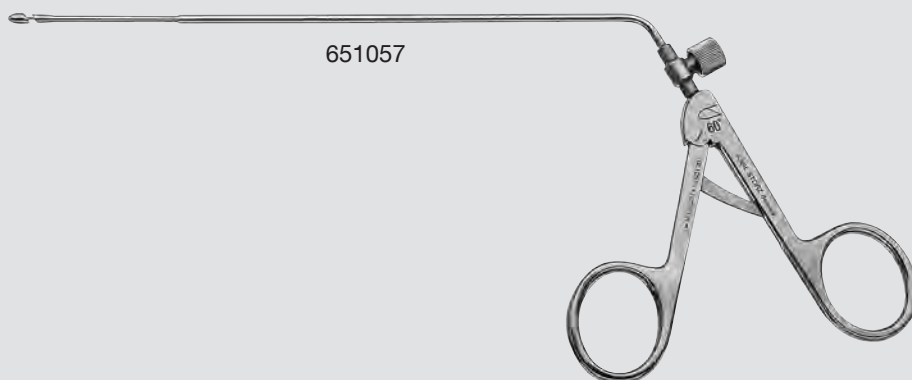
	651055	STAMMBERGER Punch , circular cutting, for sphenoid, ethmoid and choanal atresia, diameter 3.5 mm, with cleaning connector, working length 18 cm, including Cleaning Tool 651050 R
	651050	Same , diameter 4.5 mm
	651060	STAMMBERGER Punch , circular cutting, 65° upturned, for frontal sinus recess, diameter 3.5 mm, with cleaning connector, working length 17 cm, including Cleaning Tool 651050 R
	651065	Same , diameter 4.5 mm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

STAMMBERGER Punches

STAMMBERGER Punches, with cleaning connector, egg-shaped tip, for opening the ethmoid cells and the sphenoid sinus



with cleaning connector



651057

STAMMBERGER **Punch**, egg-shaped tip, circular cut, 60° cutting direction from distal above to proximal below, punch head diameter 3.5 mm, straight sheath, for sphenoid, ethmoid and choanal atresia, with cleaning connector, working length 18 cm



651052

STAMMBERGER **Punch**, egg-shaped tip, circular cut, 60° cutting direction from distal above to proximal below, punch head diameter 4.5 mm, straight sheath, for sphenoid, ethmoid and choanal atresia, with cleaning connector, working length 18 cm



651061

STAMMBERGER **Punch**, egg-shaped tip, circular cut, 90° cutting direction, punch head diameter 3.5 mm, sheath 65° upturned, for frontal sinus recess, with cleaning connector, working length 17 cm

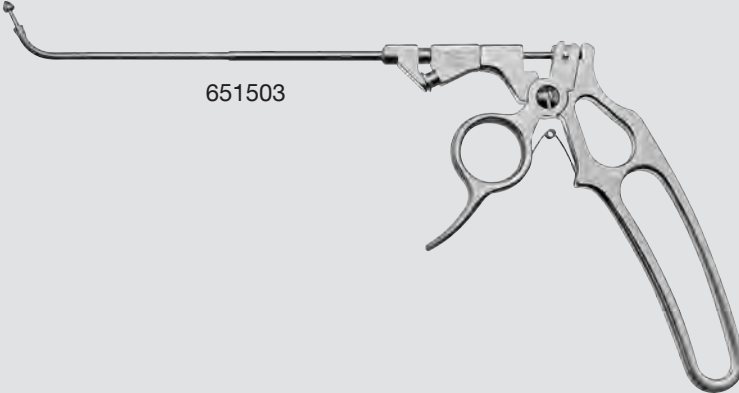


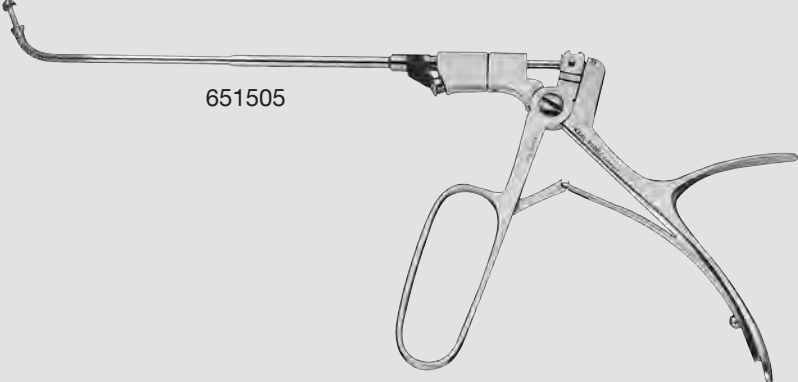

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

HOSEMANN Frontal Sinus/Recess Punches, Sphenoid Punch



HOSEMANN Frontal Sinus/Recess Punches and Sphenoid Punch, with central irrigation channel

- 651503
- 
- 651503
- 
- 651503 HOSEMANN **Frontal Sinus/Recess Punch**, 70° upturned, slender model, punch head diameter 3.5 mm, not through-cutting, upper part of punch fixed, lower part of punch movable, sheath diameter 2.5 mm, with central irrigation channel in the sheath and concealed LUER-Lock irrigation adaptor, working length 13 cm
- 651504
- 
- 651504 HOSEMANN **Sphenoid Punch**, straight, slender model, punch head diameter 3.5 mm, not through-cutting, front part of punch fixed, rear part of punch movable, sheath diameter 2.5 mm, with central irrigation channel in the sheath and concealed LUER-Lock irrigation adaptor, working length 13 cm
- 651505
- 
- 651505
- 
- 651505 HOSEMANN **Frontal Sinus/Recess Punch**, 70° upturned, robust model, punch head diameter 5.5 mm, not through-cutting, upper part of punch fixed, lower part of punch movable, sheath diameter 3.5 mm, with central irrigation channel in the sheath and concealed LUER-Lock irrigation adaptor, working length 13 cm

Instruments for Paranasal Sinuses, FESS

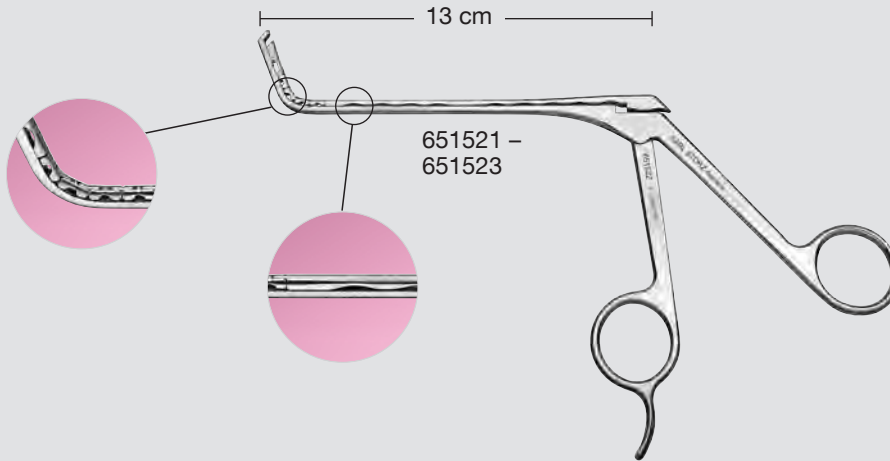
Frontal Sinus Punches, with link chain sheath



Frontal Sinus Punch, with link chain sheath, backward cutting

Special Features:

- The new wave design of the sheath area makes the frontal sinus punches easy to clean



651521

Frontal Sinus Punch, with link chain sheath 70° upturned, backward cutting, to reduce the spina nasalis superior, small, jaws 2.5 x 2 mm, working length 13 cm



651522

Same, medium (standard size), jaws 3.5 x 3 mm



651523

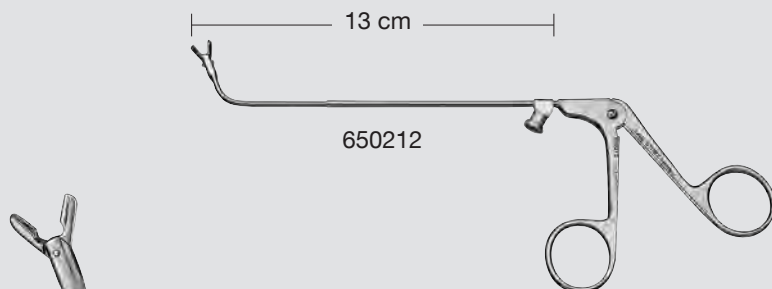
Same, large, jaws 5.5 x 5 mm

Instruments for Paranasal Sinuses, FESS

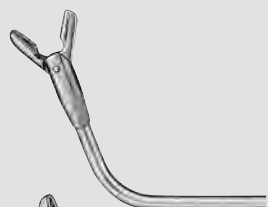
Double Spoon Forceps



Double Spoon Forceps, with cleaning connector



with cleaning connector



650212

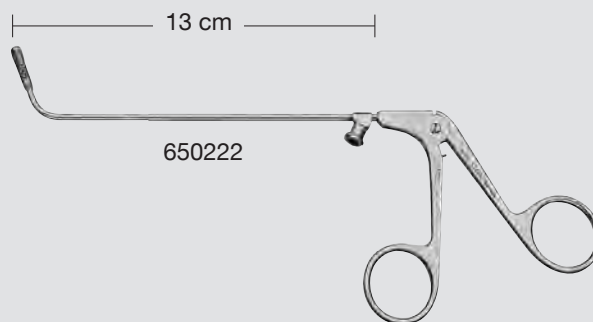
Double Spoon Forceps, vertical opening, 70° upturned, spoon diameter 4 mm, with cleaning connector, working length 13 cm



650212

Same, 110° curved backwards

650217



650222

Double Spoon Forceps, horizontal opening, 70° upturned, spoon diameter 4 mm, with cleaning connector, working length 13 cm



650222

Same, 110° curved backwards

650227

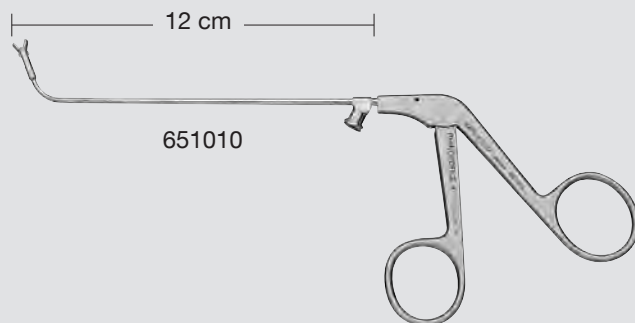


Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Double Spoon Forceps

STAMMBERGER RHINOFORCE® II Double Spoon Forceps,
round and pear-shaped, with cleaning connector



651010



with cleaning
connector



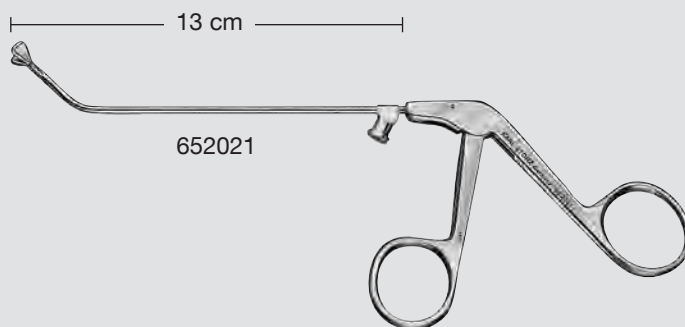
651010

STAMMBERGER RHINOFORCE® II Double
Spoon Forceps, vertical opening, 65° upturned,
spoon diameter 3 mm, with cleaning connector,
working length 12 cm



651020

Same, horizontal opening



652021



652021

RHINOFORCE® II Double Spoon Forceps,
horizontal opening, pear-shaped jaws,
45° upturned, with cleaning connector,
working length 13 cm



652024

Same, 80° upturned

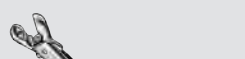
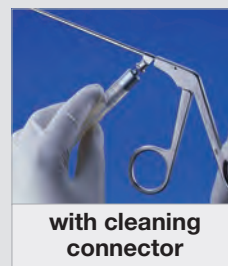
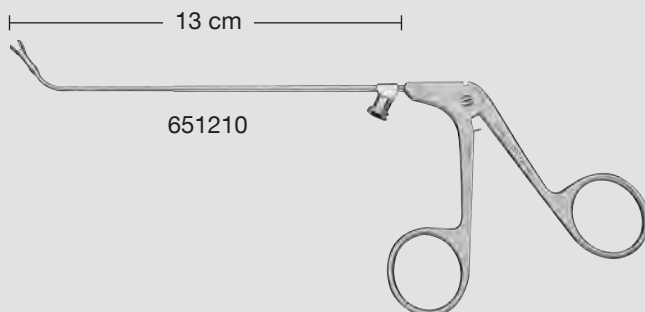
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3,
RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

Double Spoon Giraffe Forceps



KUHN-BOLGER Double Spoon Giraffe Forceps, not through-cutting, with cleaning connector



651210

KUHN-BOLGER Double Spoon Giraffe Forceps, 55° upturned, vertical opening, spoon diameter 3 mm, with cleaning connector, working length 13 cm



651220

Same, horizontal opening



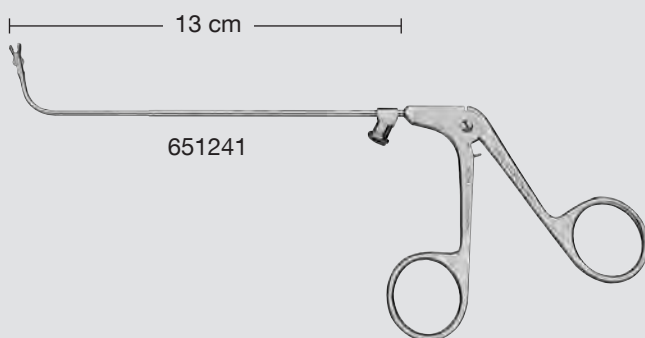
651211

KUHN-BOLGER Double Spoon Giraffe Forceps, 55° upturned, vertical opening, spoon diameter 2 mm, with cleaning connector, working length 13 cm



651221

Same, horizontal opening



651241



651231

KUHN-BOLGER Double Spoon Giraffe Forceps, 90° upturned, horizontal opening, spoon diameter 2 mm, with cleaning connector, working length 13 cm



651241

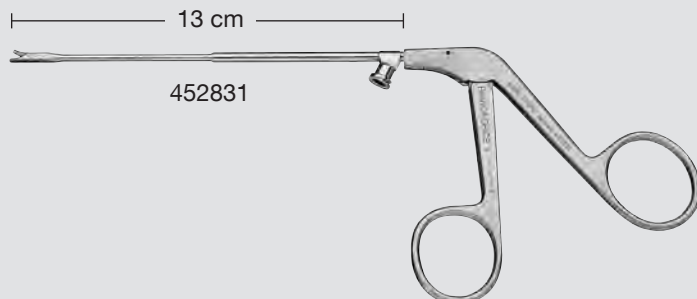
Same, vertical opening

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Miniature Nasal Forceps

RHINOFORCE® II Miniature Nasal Forceps, flat jaws, through-cutting, with cleaning connector



with cleaning connector



452831

RHINOFORCE® II Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, straight sheath, straight jaws, cutting width 1.5 mm, with cleaning connector, working length 13 cm



452832

Same, jaws 45° upturned



452833

Same, sheath curved 30°, straight jaws



452834

Same, sheath curved 30°, jaws 45° upturned



452841

CASTELNUOVO RHINOFORCE® II Miniature Nasal Forceps, with extra fine flat jaws, through-cutting, 65° upturned, backward opening, cutting width 1.5 mm, with cleaning connector, working length 13 cm



452841 L

Same, left side opening



452841 R

Same, right side opening

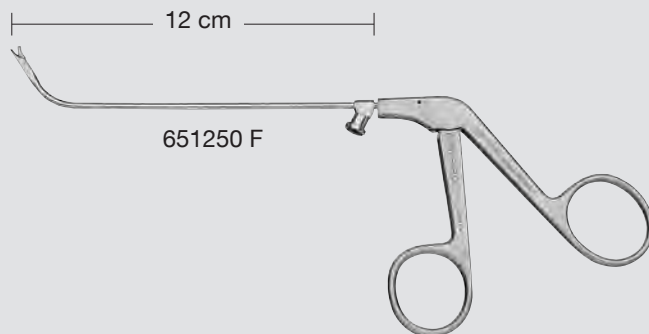
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

KUHN RHINOFORCE® II Frontal Sinus Forceps



KUHN RHINOFORCE® II Frontal Sinus Forceps, flat jaws, through-cutting, straight tip, with cleaning connector



651250 F



with cleaning connector



651250 F

KUHN RHINOFORCE® II Frontal Sinus Forceps, through-cutting, with extra fine flat jaws, sheath 60° upturned, cutting width 1.5 mm, backward opening, with cleaning connector, working length 12 cm



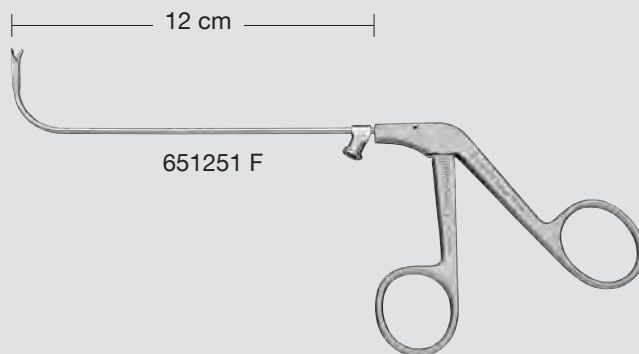
651250 FL

Same, left side opening



651250 FR

Same, right side opening



651251 F



651251 F

KUHN RHINOFORCE® II Frontal Sinus Forceps, through-cutting, with extra fine flat jaws, sheath 90° upturned, cutting width 1.5 mm, backward opening, with cleaning connector, working length 12 cm



651251 FL

Same, left side opening



651251 FR

Same, right side opening

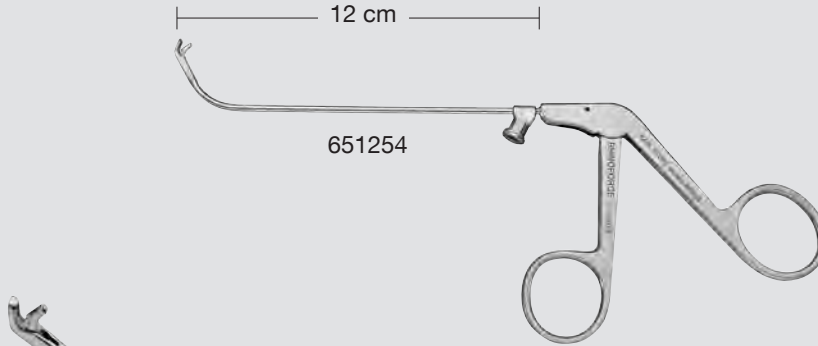
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

RHINOFORCE® II Frontal Sinus Forceps



KUHN RHINOFORCE® II Frontal Sinus Forceps, flat jaws, through-cutting, with cleaning connector



651254



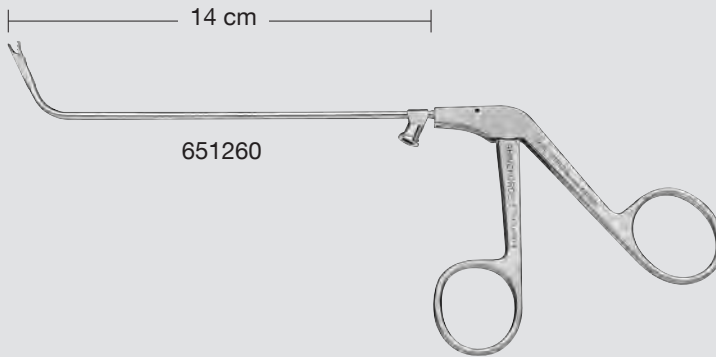
with cleaning connector



651254

KUHN RHINOFORCE® II Frontal Sinus Forceps, through-cutting, jaws angled 45°, extra fine flat jaws, sheath 60° upturned, cutting width 1.5 mm, backward opening, with cleaning connector, working length 12 cm

NICOLAI RHINOFORCE® II Frontal Sinus Forceps, through-cutting



651260



651260

NICOLAI RHINOFORCE® II Frontal Sinus Forceps, through-cutting, 65° upturned, height of distal sheath end 30 mm, width of cut 2 mm, square jaws, backward opening, inside of movable jaw with coarse serration, sheath diameter 3 mm, with cleaning connector, working length 14 cm



651260 L

Same, left side opening



651260 R

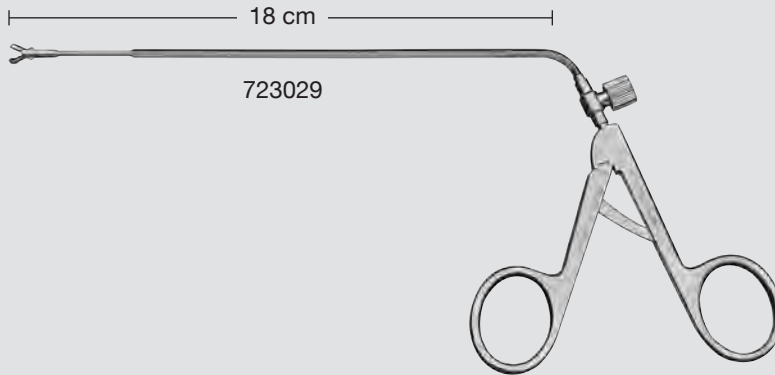
Same, right side opening

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

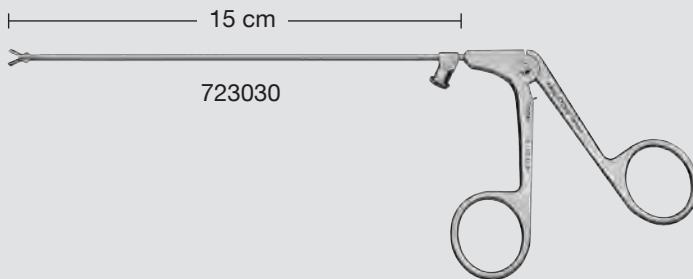
Biopsy and Grasping Forceps

Biopsy and Grasping Forceps, working lengths 18 and 15 cm, with cleaning connector



723029

Biopsy and Grasping Forceps, vertical opening, malleable sheath end, cupped jaws diameter 4 mm, with cleaning connector, working length 18 cm, to be used for sinuscopy through Trocar 723005 A/B



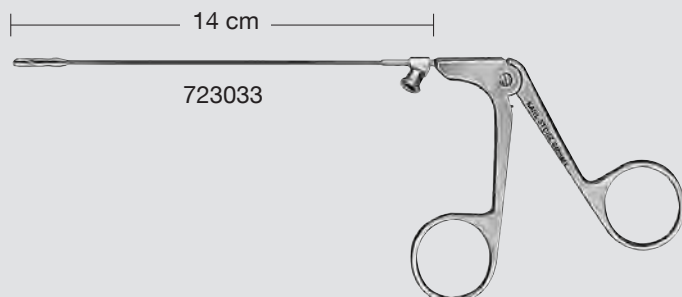
723030

Biopsy and Grasping Forceps, with oval cupped jaws 3 x 4 mm, sheath diameter 3 mm, with cleaning connector, working length 15 cm

Instruments for Paranasal Sinuses, FESS

Biopsy and Grasping Forceps

**Biopsy and Grasping Forceps, working length 14 cm,
with cleaning connector**



**with cleaning
connector**



723033

**Biopsy and Grasping Forceps, extra fine, with oval
cupped jaws 3 x 5 mm, sheath diameter 1.5 mm, with
cleaning connector, working length 14 cm**

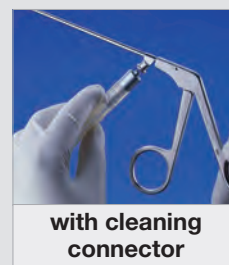
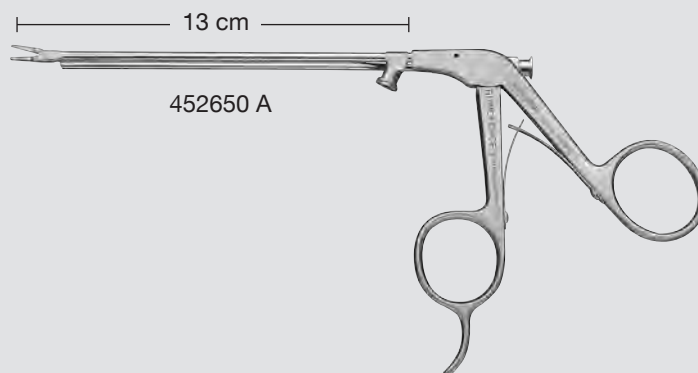
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3,
RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS

MONTGOMERY-YOUNGS RHINOFORCE® II Clip Applicators

MONTGOMERY-YOUNGS RHINOFORCE® II Clip Applicators,
for endonasal endoscopic sphenopalatine artery ligature

Winner of the **2006**
Cutler Surgical Prize



The **Cutlers' Surgical Prize** is one of the most prestigious annual awards for innovation in the design or application of surgical instruments or techniques. The prize as well as the Clarke medal are awarded by the surgical association and the president of the Royal College of Surgeons of England.



452650 A

MONTGOMERY-YOUNGS RHINOFORCE® II Clip Applicator, for endonasal endoscopic sphenopalatine artery ligature, with suction channel, handle with spring, straight, with cleaning connector, working length 13 cm, for use with Titanium Clips 8665 T



452650 C

Same, jaws angled to the right



452650 D

Same, jaws angled to the left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Instruments for Paranasal Sinuses, FESS – Instruments for Coagulation

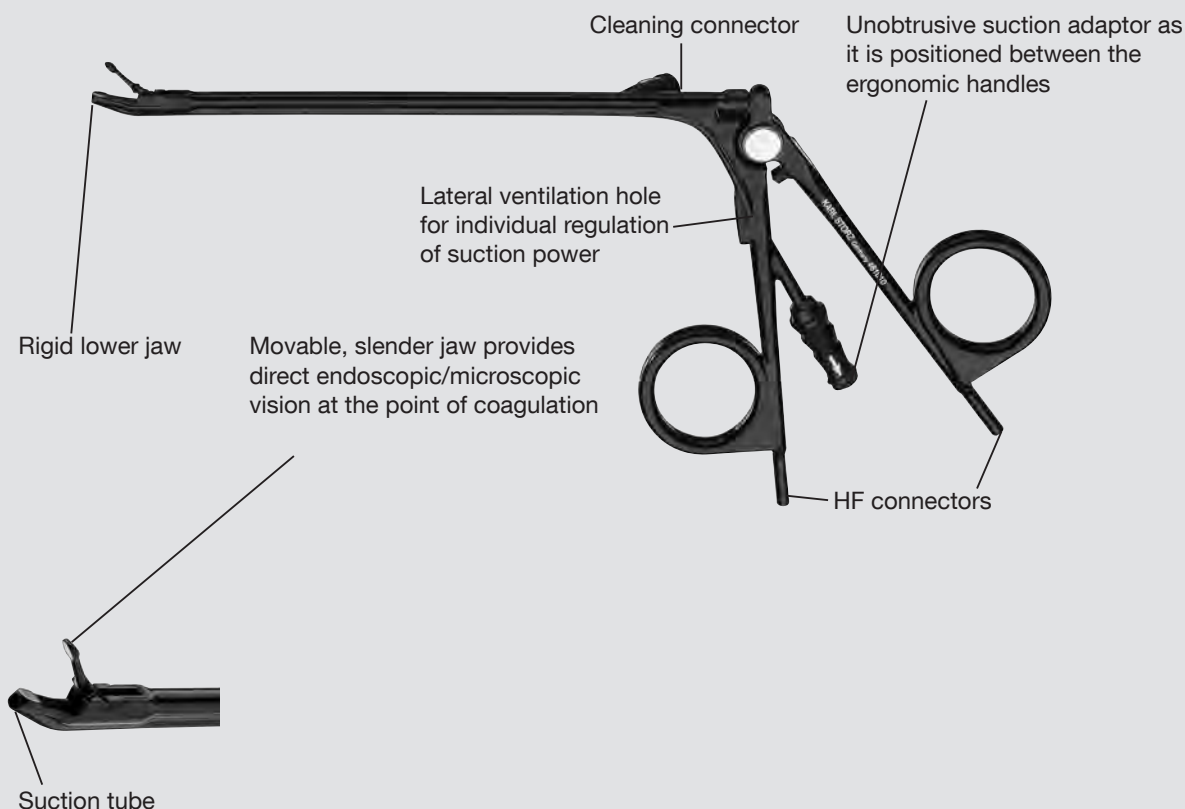
STAMMBERGER Bipolar Suction Forceps

STORZ
KARL STORZ — ENDOSKOPE



Special Features:

- Design similar to standard paranasal grasping forceps
- Integrated suction channel
- Suction power regulation
- Bipolar coagulation
- Insulated except for small coagulation area on the instrument tip
- Single action jaws
- Distance between cautery poles may be varied, enabling punctual and extensive coagulation
- Design of the movable jaw provides direct endoscopic/microscopic vision at the point of coagulation
- Two instrument heads: angled 15° and 45° to the instrument sheath



High Frequency Surgery Units see chapter 8, UNITS AND ACCESSORIES

Instruments for Paranasal Sinuses, FESS – Instruments for Coagulation

STAMMBERGER Bipolar Suction Forceps



Indications/Applications:

- Arterial bleeding (ethmoidal, sphenopalatine and maxillary arteries, turbinate and septum vessels)
- Skull base surgery
- Oozing hemorrhage from the mucosa edges
- Vascular processes, e.g., nasopharyngeal fibroma
- Epistaxis
- Secondary hemorrhage, e.g., from adenotomes in the nasopharynx
- Edema prevention, shrinkage of mucosa (e.g., posterior end of the turbinate)
- Turbinate cauterization



461010



461010

STAMMBERGER **Bipolar Suction Forceps**, 15° upturned, with suction channel, for bipolar coagulation in paranasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 M/V/U



461015



461015

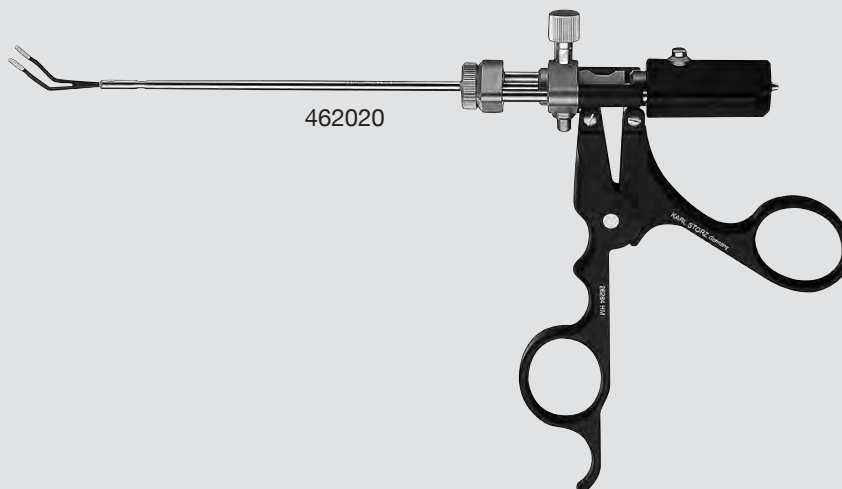
STAMMBERGER **Bipolar Suction Forceps**, 45° upturned, with suction channel, for bipolar coagulation in paranasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 M/V/U

Instruments for Paranasal Sinuses, FESS – Instruments for Coagulation

TAKE APART® Bipolar Forceps

STORZ
KARL STORZ — ENDOSKOPE

For use with Bipolar High Frequency Cords 26176 LE/LM/L/LA/LV



462020

TAKE-APART® CASTELNUOVO Bipolar Forceps,
with fine jaws, distally angled 45°, with irrigation
connector for cleaning, width 2 mm, outer diameter
3.4 mm, working length 14 cm

including:

Bipolar Ring Handle

Outer Sheath

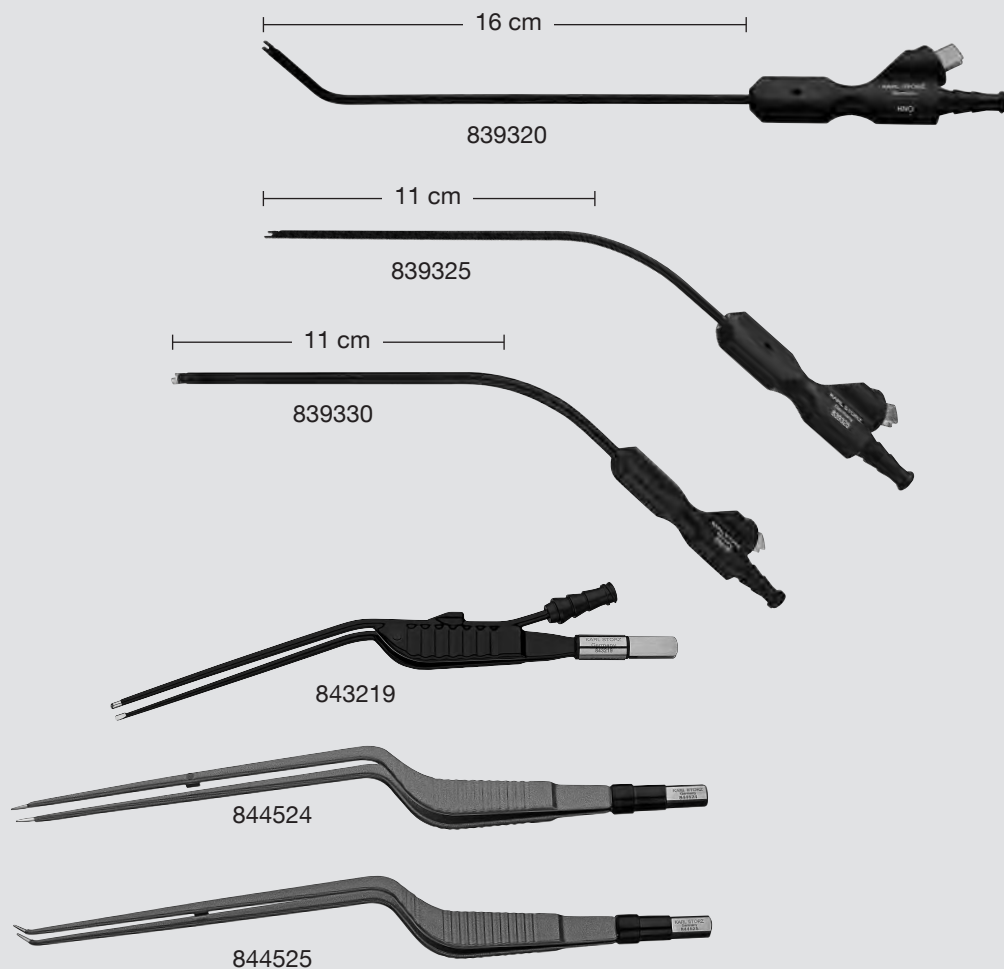
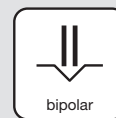
Inner Sheath

Forceps Insert

Components/Spare Parts see chapter 13

Instruments for Paranasal Sinuses, FESS – Instruments for Coagulation

Bipolar Coagulation Suction Cannulas, Bipolar Coagulation Forceps

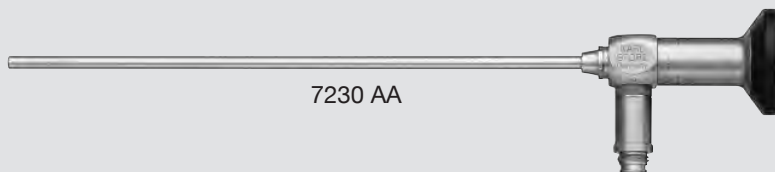


- 839320 **BRINER Bipolar Coagulation Suction Cannula**, curved upwards, insulated, length of electrodes 3.2 mm, with cut-off hole, outer diameter 3.5 mm, working length 16 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 839325 **BRINER Bipolar Coagulation Suction Cannula**, angular, insulated, length of electrodes 3.2 mm, with cut-off hole, outer diameter 3.5 mm, working length 11 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 839330 **BRINER Bipolar Coagulation Suction Cannula**, angular, insulated, length of electrodes 3.5 mm, with cut-off hole, outer diameter 4.5 mm, working length 11 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 843219 **Bipolar Coagulation Forceps**, insulated, angular, blunt, with integrated suction channel for epistaxis, with cut-off hole, length 19 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844524 **Bipolar Forceps**, bayonet-shaped, with bar, tip 0.7 mm, length 23 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844525 **Same**, angled

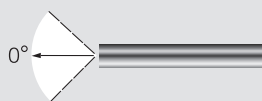
Units and Accessories see chapter 8

SIEGERT/WEERDA Instruments for Endonasal Dacryocystorhinostomy

Elevator, Antrum Curette, Sickle and Round Knives, Double Elevator



7230 AA



7230 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



7230 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



479100



628001



628702



660500



660506



660509



660540



- 479100 **COTTLE Elevator**, double-ended, semisharp and blunt, graduated, length 20 cm
- 628001 **Sickle Knife**, pointed, length 19 cm
- 628702 **Antrum Curette**, oblong, small, length 19 cm
- 660500 **Sickle Knife**, slightly curved, pointed, length 18 cm
- 660506 **Round Knife**, vertical cutting, 3.5 x 2.5 mm, length 18 cm
- 660509 **Round Knife**, angled 45°, diameter 2 mm, length 18 cm
- 660540 **Elevator**, double-ended, blunt, graduated, length 20 cm

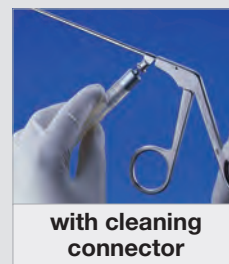
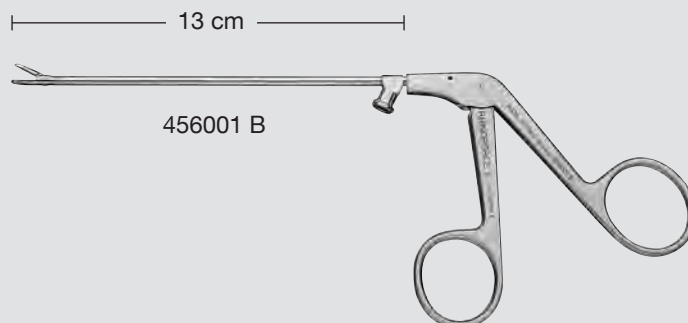
Components/Spare Parts see chapter 13

Instruments for Endonasal Dacryocystorhinostomy

RHINOFORCE® II Nasal Forceps



RHINOFORCE® II Nasal Forceps, working length 13 cm, dismantling, with cleaning connector



456001 B

BLAKESLEY RHINOFORCE® II Nasal Forceps, straight, size 1, with cleaning connector, working length 13 cm



456501 B

BLAKESLEY-WILDE RHINOFORCE® II Nasal Forceps, 45° upturned, size 1, with cleaning connector, working length 13 cm



452002 B

MACKAY-GRÜNWALD RHINOFORCE® II Nasal Cutting Forceps, straight, through-cutting, extra delicate, for a smooth cut, 11.5 x 3.5 mm, size 2, with cleaning connector, working length 13 cm



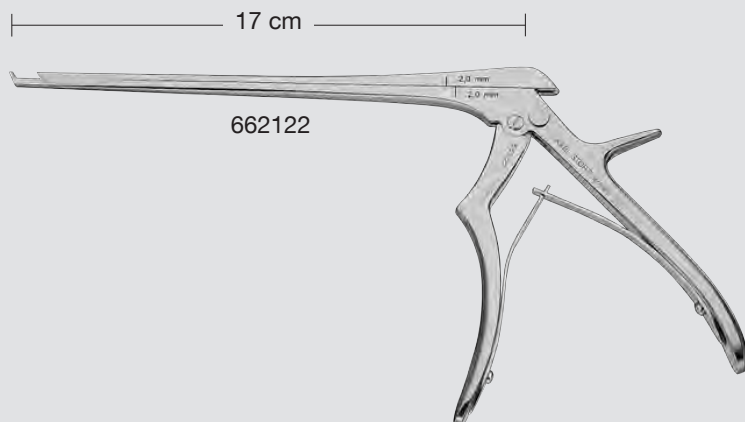
451500 B

GRÜNWALD-HENKE RHINOFORCE® II Nasal Cutting Forceps, 45° upturned, through-cutting, for a smooth cut, BLAKESLEY shape, size 0, width 3 mm, with cleaning connector, working length 13 cm

Instruments for Endonasal Dacryocystorhinostomy

KERRISON Bone Punch

Bone Punch, working length 17 cm, detachable



detachable

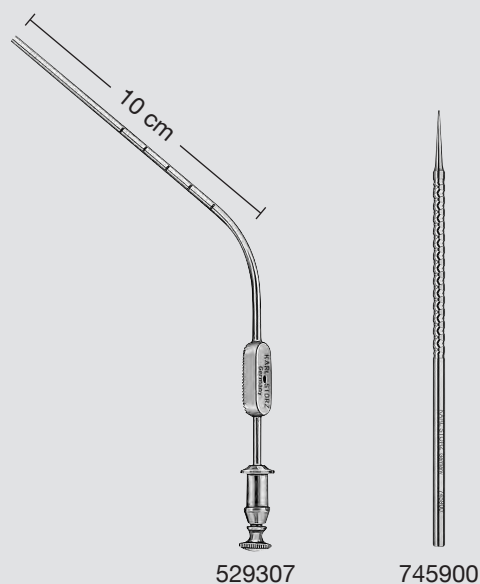


662122

KERRISON Bone Punch, detachable,
rigid, upbiting 40° forward, size 2 mm,
working length 17 cm

Instruments for Endonasal Dacryocystorhinostomy

Suction Tube, Dilator



- | | |
|--------|---|
| 529307 | FRAZIER Suction Tube , with mandrel and cut-off hole, with distance marking at 5 – 9 cm, 7 Fr., working length 10 cm |
| 745900 | WILDER Dilator , for the salivary duct |

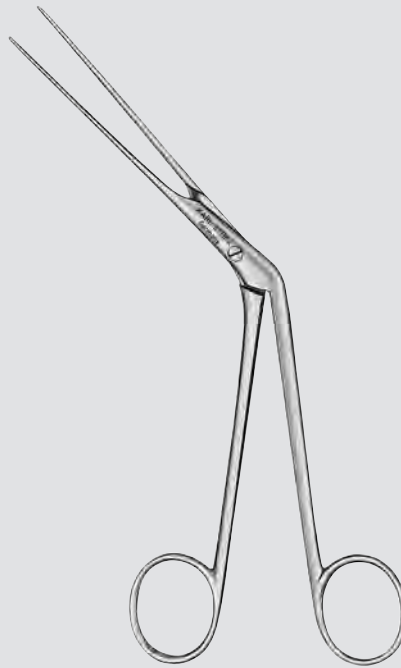
Instruments for Endonasal Dacryocystorhinostomy

Nasal Speculum, Nasal Dressing Forceps

STORZ
KARL STORZ — ENDOSKOPE



404055

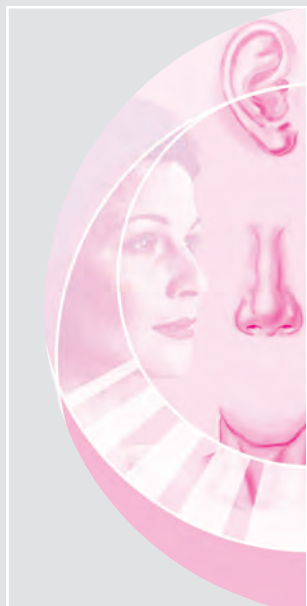


430300

404055 **Nasal Speculum**, with fiber optic light carrier,
blade length 55 mm, length 13.5 cm

430300 **LUBET-BARBON Nasal Dressing Forceps**,
serrated, working length 10.5 cm

Components/Spare Parts see chapter 13



■ **MOTOR SYSTEMS** see chapter 8

UNIDRIVE® SELECT

INTRA Micro Motor 80k

INTRA Drill Handpieces

INTRA Drills

HIGHDRIVE® and LIGHTDRIVE

High-Speed Drill Handpieces

High-Speed Drills

STAPDRIVE®

DRILLCUT-X® II-35 Shaver Handpiece

Shaver Blades

Sinus Burrs



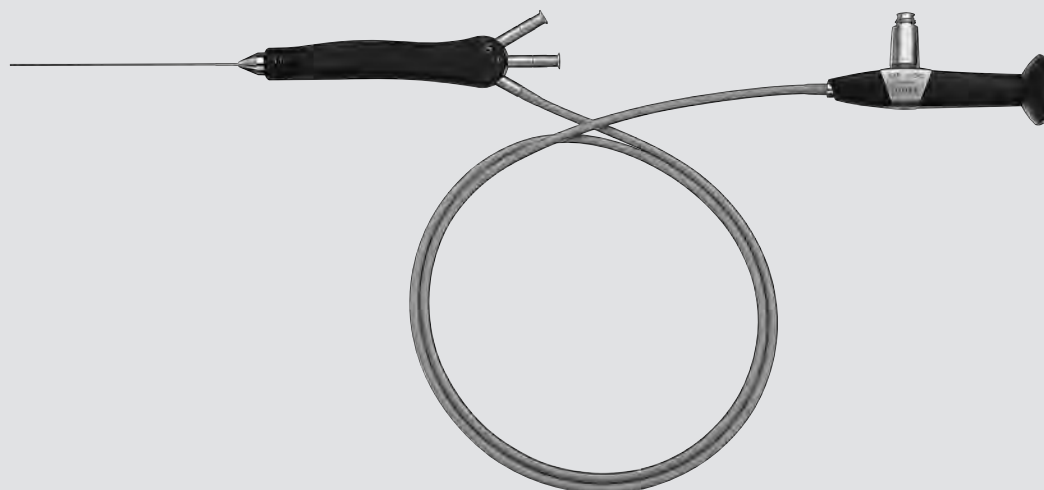
**TELESCOPES AND
INSTRUMENTS FOR
SIALENDOSCOPY**



Miniature Endoscopes, ERLANGEN Model

for the diagnosis and treatment of salivary gland diseases

All-in-one Miniature Endoscopes, ERLANGEN model



11573 A

- 11572 A **Miniature Straight Forward Telescope 0°**, diameter 0.8 mm, working length 10 cm, NiTi, semiflexible, with scale, **autoclavable**, irrigation channel diameter 0.25 mm, length 140 cm, with remote eyepiece, fiber optic light transmission incorporated
- 11573 A **Miniature Straight Forward Telescope 0°**, diameter 1.1 mm, working length 10 cm, NiTi, semiflexible, with scale, **autoclavable**, working channel diameter 0.45 mm, irrigation channel diameter 0.25 mm, length 140 cm, remote eyepiece, fiber optic light transmission incorporated
- for use with:**
- Stone Extractors 11573 NP/M and 11582 M
 - Micro Burr 11573 MB
 - Guide Wire 745725
 - Laser Probe
- 11574 A **Miniature Straight Forward Telescope 0°**, diameter 1.6 mm, working length 10 cm, NiTi, semiflexible, with scale, **autoclavable**, working channel diameter 0.85 mm, irrigation channel diameter 0.25 mm, length 140 cm, with remote eyepiece, fiber optic light transmission incorporated
- for use with:**
- Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
 - Micro Burr 11574 MB
 - Foreign Body Forceps 11574 TJ
 - Biopsy Forceps 11574 ZJ
 - Guide Wire 745720
 - Laser Probe
 - Balloon Catheter 11583 BP

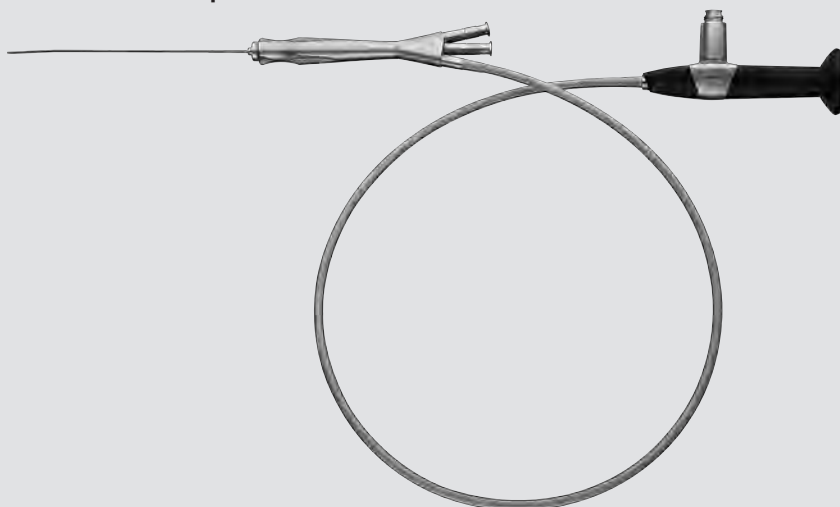
Instruments see pages 260-263

Components/Spare Parts see chapter 13

Miniature Endoscopes

for diagnostic and therapeutic sialendoscopy

All-in-one Miniature Endoscopes



11575 A

- 11575 A **Miniature Straight Forward Telescope 0°**, diameter 1.3 mm, working length 12 cm, semirigid, **autoclavable**, distal angle 5°, working channel 0.65 mm, irrigation channel 0.25 mm, length 100 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520 P
for use with:
– Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
– Guide Wire 745720
– Laser Probe
- 11581 A **Miniature Straight Forward Telescope 0°**, diameter 0.89 mm, working length 12 cm, semirigid, **autoclavable**, distal angle 5°, irrigation channel 0.2 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520 P
- 11582 A **Miniature Straight Forward Telescope 0°**, diameter 1.1 mm, working length 12 cm, semirigid, **autoclavable**, distal angle 5°, working channel 0.45 mm, irrigation channel 0.2 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated, including Protective Tube 11520 P
for use with:
– Stone Extractors 11573 M/NP and 11582 M
– Guide Wire 745725
– Laser Probe
- 11583 A **Miniature Straight Forward Telescope 0°**, diameter 1.6 mm, working length 12 cm, semirigid, **autoclavable**, distal angle 5°, working channel 0.8 mm, irrigation channel 0.25 mm, length 140 cm, remote eyepiece with fiber optic light transmission incorporated
for use with:
– Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
– Guide Wire 745720
– Foreign Body Forceps 11583 TJ
– Biopsy Forceps 11583 ZJ
– Laser Probe
– Balloon Catheter 11583 BP

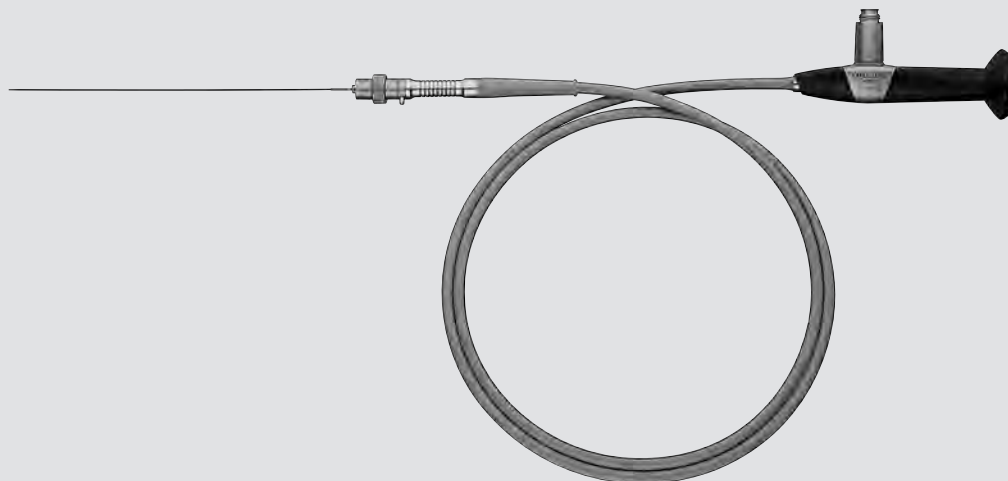
Instruments see pages 260-263

Components/Spare Parts see chapter 13

Miniature Endoscopes

for diagnostic and therapeutic sialendoscopy

Miniature Endoscopes for Children and Adolescents Modular System

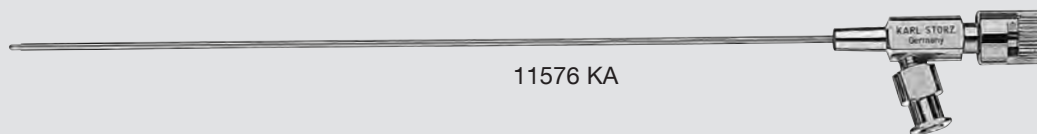


11576 A

11576 A

Miniature Straight Forward Telescope 0°, diameter 0.75 mm, working length 16 cm, semirigid, **autoclavable**, length 145 cm, with remote eyepiece and light connection, LUER-Lock adaptor, fiber optic light transmission incorporated, including Protective Tube 11576 P

Examination Sheath



11576 KA

11576 KA

Examination Sheath, diameter 1.1 mm, working length 16 cm, with blunt obturator, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11576 A

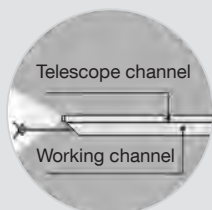
Components/Spare Parts see chapter 13

Miniature Endoscopes

for diagnostic and therapeutic sialendoscopy

Miniature Endoscopes for Children and Adolescents Modular System

Operating Sheaths

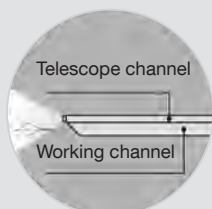


11576 KF

Operating Sheath, oval, diameter 1.1 and 1.3 mm, working length 16 cm, telescope channel diameter 0.9 mm, working channel diameter 1.15 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation

for use with:

- Miniature Straight Forward Telescope 11576 A
- Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
- Guide Wire 745720
- Balloon Catheter 11577 BP
- Foreign Body Forceps 11576 TJ
- Biopsy Forceps 11576 ZJ
- Laser Probe



11576 KG

Operating Sheath, oval, diameter 1.1 and 0.8 mm, working length 16 cm, telescope channel diameter 0.9 mm, working channel diameter 0.65 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation

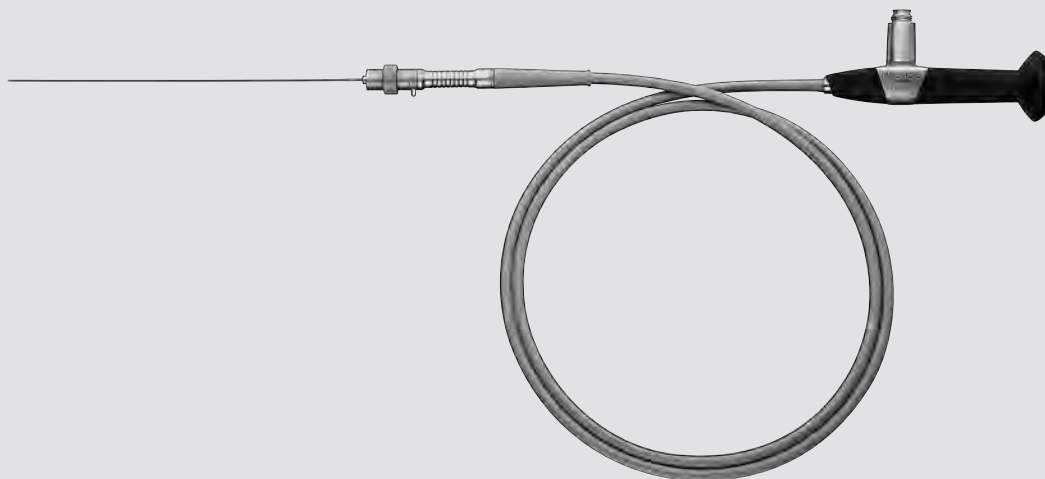
for use with:

- Miniature Straight Forward Telescope 11576 A
- Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
- Guide Wire 745720
- Laser Probe

Miniature Endoscopes

for diagnostic and therapeutic sialendoscopy

Miniature Endoscopes for Adults Modular System

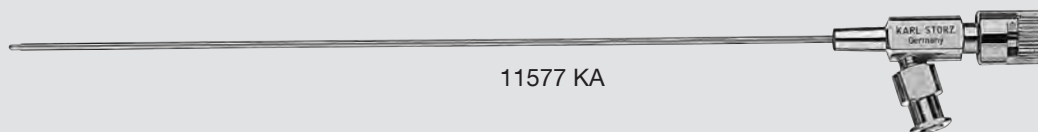


11577 A

11577 A

Miniature Straight Forward Telescope 0°, diameter 1 mm, working length 16 cm, semirigid, **autoclavable**, length 145 cm, with remote eyepiece and light connection, LUER-Lock adaptor, fiber optic light transmission incorporated, including Protective Tube 11576 P

Examination Sheath



11577 KA

11577 KA

Examination Sheath, diameter 1.3 mm, working length 16 cm, with blunt obturator, with lateral LUER-Lock adaptor for irrigation, for use with Miniature Straight Forward Telescope 11577 A

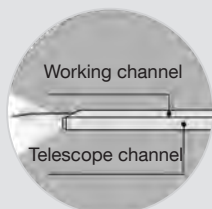
Components/Spare Parts see chapter 13

Miniature Endoscopes

for diagnostic and therapeutic sialendoscopy

Miniature Endoscopes for Adults Modular System

Operating Sheaths

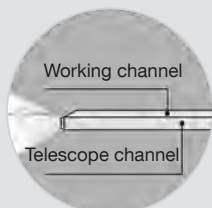


11577 KE

Operating Sheath, oval, diameter 1.3 and 1.3 mm, working length 16 cm, telescope channel diameter 1.15 mm, working channel diameter 1.15 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation

for use with:

- Miniature Straight Forward Telescope 11577 A
- Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
- Guide Wire 745720
- Balloon Catheter 11577 BP
- Foreign Body Forceps 11576 TJ
- Biopsy Forceps 11576 ZJ
- Laser Probe



11577 KD

Operating Sheath, oval, diameter 1.3 and 0.8 mm, working length 16 cm, telescope channel diameter 1.15 mm, working channel diameter 0.65 mm, with 2 obturators, with lateral LUER-Lock adaptor for irrigation

For use with:

- Miniature Straight Forward Telescope 11577 A
- Stone Extractors 11573 NP/T/M, 11575 K/L and 11582 M
- Guide Wire 745720
- Laser Probe

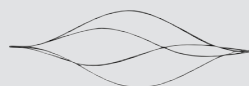
Stone Extractors, Balloon Catheters, Guide Wires, Micro Burrs



11575 K **Stone Extractor**, diameter 0.6 mm, basket with 3 wires, sterile, for single use



11575 L **Stone Extractor**, diameter 0.6 mm, basket with 6 wires, sterile, for single use



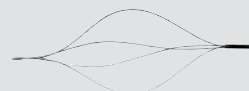
11582 M **Stone Extractor**, diameter 0.4 mm, basket with 4 wires, sterile, for single use



11573 NP **Front-loading Stone Extractor**, without handle, diameter 0.4 mm, length 35 cm, basket with 4 wires, sterile, for single use, package of 10



11573 T **Stone Extractor**, diameter 0.6 mm, basket with 4 wires, tipless, with handle for fixation to endoscope, sterile, for single use



11573 M **Stone Extractor**, diameter 0.4 mm, basket with 4 wires, with handle for fixation to endoscope, sterile, for single use



11577 BP **Balloon Catheter**, diameter 0.9 mm, length 42.5 cm, sterile, for single use, package of 10, for use with Operating Sheaths 11576 KF and 11577 KE



11583 BP **Balloon Catheter**, diameter 0.75 mm, sterile, for single use, package of 10, for use with Telescopes 11574 A and 11583 A

745720 **Guide Wire**, diameter 0.6 mm, sterile, for single use, package of 10, for use with Bougies 745710 – 745713

745725 **Guide Wire**, diameter 0.4 mm, sterile, for single use, package of 10, for use with Bougies 745808 – 745809 and 745710 – 745713



11573 MB **Micro Burr for Salivary Stones**, diameter 0.38 mm, for use with Miniature Straight Forward Telescopes 11573 A and 11582 A



11574 MB **Micro Burr for Salivary Stones**, diameter 0.8 mm, for use with Miniature Straight Forward Telescopes 11574 A and 11583 A

Instruments

for sialendoscopy

Forceps and Scissors



745715



745715

Dressing Forceps, angled,
length 15 cm

745716

Tissue Forceps, angled,
with 1 x 2 teeth, length 15 cm



745717

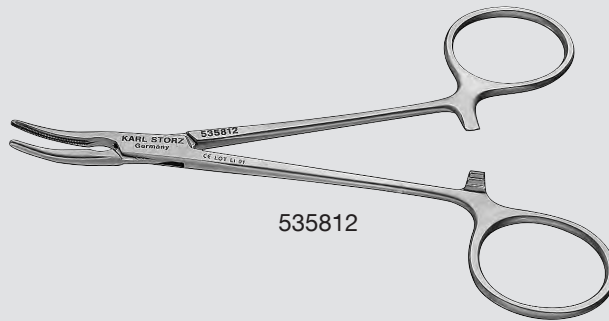
745717

Angled Scissors for Salivary Glands,
with bulb, length 14 cm

Instruments

for sialendoscopy

Artery Forceps



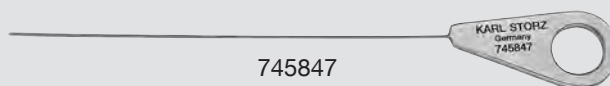
535812

535812

DE BAKEY "Mosquito" Artery Forceps,
atraumatic, curved, length 12 cm

Dilation Instruments

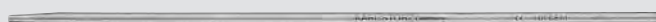
Salivary Duct Probes



745847

745847	size 0000	745853	size 3
745848	size 000	745854	size 4
745849	size 00	745855	size 5
745850	size 0	745856	size 6
745851	size 1	745857	size 7
745852	size 2	745858	size 8

Bougies



745710

745708	Bougie , diameter 1 mm, for use with Guide Wire 745725
745709	Same , diameter 1.5 mm
745710	Bougie , diameter 2 mm, for use with Guide Wires 745720 and 745725
745711	Same , diameter 2.5 mm
745712	Same , diameter 3 mm
745713	Same , diameter 3.5 mm

Dilators



745900



745905



745910



745920

745900	WILDER Dilator , for the salivary duct
745905	Dilator , for salivary duct (Wharton duct), very pointed
745910	Dilator , for salivary duct, length 14 cm
745920	Dilator , for salivary duct, size 1, diameter 0.5 – 0.8 mm, length 11.5 cm
745921	Same , size 2, diameter 0.7 – 1 mm
745922	Same , size 3, diameter 0.9 – 1.2 mm
745923	Same , size 4, diameter 1 – 1.6 mm
745924	Same , size 5, diameter 1.1 – 1.8 mm



ADENOTOMY, TONSILLECTOMY, TONSILLOTOMY, TRACHEOSTOMY

RECOMMENDED SETS266-269

INSTRUMENTS FOR THE
NASOPHARYNX – ADENOTOMY270-272

INSTRUMENTS FOR THE MOUTH –
TONSILLECTOMY, TONSILLOTOMY . . .273-291

INSTRUMENTS FOR THE
LARYNX – TRACHEOSTOMY292-296



Recommended Sets

Basic Instruments for Adenotomy, Tonsillectomy and Tonsillotomy

Recommended Set

744201	RUSSEL-DAVIS Tongue Blade , with central groove, size 1, 30 x 70 mm
744202	RUSSEL-DAVIS Tongue Blade , with central groove, size 2, 34 x 80 mm
744203	RUSSEL-DAVIS Tongue Blade , with central groove, size 3, 39 x 84 mm
744204	RUSSEL-DAVIS Tongue Blade , with central groove, size 4, 42 x 98 mm
740700	HARTMANN Tongue Depressor , length 17 cm
450003	HARTMANN Nasal Cutting Forceps, dismantling , round, size 3, working length 11 cm
740000	BRÜNINGS Tongue Depressor , length 19 cm
810502	Tonsil Cannula , LUER-Lock, straight, long
810506	Septum Cannula , LUER-Lock, angular
6x 796011	BACKHAUS Towel Forceps , length 11 cm
810806	Medicine Cup , 60 ccm, diameter 70 mm, height 33 mm
744500	DAVIS-MEYER Mouth Gag , standard model, with sliding Tooth Hook 744501
744600	McIVOR Mouth Gag , with removable bow for replacement of rubber tube
753500	BRÜNINGS Tonsil Snare , length 29 cm
754200	Wire Snare Loop , stainless steel, package of 100
751001	BLOHMKE Forceps , length 20 cm
750800	COLVER Forceps , length 19 cm
752500	GOOD Scissors , length 19.5 cm
755500	YANKAUER Suction Tube , standard model, with large holes, length 29 cm
751411	HENKE Elevator , width 11.5 mm, length 23.5 cm
754719	SCHNIDT Forceps , slightly curved, serrated, length 19 cm
754518	MIKULICZ Forceps , slender, 1 x 2 teeth, length 18 cm
750000	Forceps , serrated, width 4 mm, length 20 cm
750123	Tissue Forceps , 2 x 3 teeth, width 4.5 mm, length 20 cm
757700	Roeder Loop Applicator , model E, length 27 cm
757811	Loops , for 757700, polyglycolic acid, absorbable, size 1, sterile, in packages of 12
730000	BECKMANN Adenoid Curette , straight, size 0, length 22 cm
730001	Same , size 1
730002	Same , size 2
730003	Same , size 3
730004	Same , size 4
746700	NAGER Pillar Retractor , length 21 cm
732500	JURACZ Adenoid Forceps , sharp, length 19 cm
798618	HEGAR Needle Holder , slender, tungsten carbide inserts, length 18 cm
842219	Bipolar Coagulation Forceps , insulated, angled tip, blunt, tip 2 mm, length 19 cm
847000 E	Bipolar High Frequency Cord , length 300 cm

Recommended Sets

Basic Instruments for Tracheotomy

Recommended Set

208000	Surgical Handle , Fig. 3, length 12.5 cm
208210	Blade , Fig. 10, sterile, for single use, package of 100
208211	Same , Fig. 11
208215	Same , Fig. 15
740000	BRÜNING'S Tongue Depressor , length 19 cm
786001	Retractor , sharp, 1 prong, length 17 cm
786002	Same , 2 prongs
2x 800404	VOLKMANN Retractor , sharp, 4 prongs, length 21 cm
786500	SCHÖNBORN Thymus Retractor , width 5 mm, length 20.5 cm
2x 801800	LANGENBECK Retractor , size 33 x 14 mm, length 22 cm
2x 801600	LANGENBECK Retractor , oval blade, size 60 x 20 mm, length 21.5 cm
2x 151011	Cotton Applicator , standard model, triangular serrated, diameter 1.1 mm, working length 13 cm
212000	WULLSTEIN Raspatory , length 18 cm
474000	FREER Elevator , double-ended, semisharp and blunt, length 20 cm
478000	JOSEPH Raspatory , slightly curved, length 17.5 cm
169009	JANSEN Raspatory , width 9 mm, length 19.5 cm
791815	REYNOLDS Scissors , curved, delicate tips, length 15 cm
511414	JOSEPH Scissors , curved, length 14 cm
511615	METZENBAUM-LAHEY Scissors , curved, extra slender, length 15 cm
791202	Scissors , curved, sharp/blunt, length 14.5 cm
789500	KILLIAN Laryngectomy Scissors , double action, length 21.5 cm
403555	KILLIAN-STRUJCKEN Nasal Speculum , standard model, blade length 55 mm, length 13.5 cm
403575	Same , blade length 75 mm
403590	Same , blade length 90 mm
204809	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
204812	Same , 12 Fr.
785005	BRÜNING'S Life-Saving Tube , outer diameter 5 mm, length 20 cm
785009	Same , outer diameter 9 mm
530416	"ATRAUMA" Atraumatic Tissue Forceps , width of jaws 2 mm, length 16 cm
2x 793401	Tissue Forceps , 1 x 2 teeth, standard width, length 14.5 cm
793402	Same , medium
793403	Same , narrow
513410	COTTLE Scissors , curved, length 10.5 cm
533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
748220	DUPLAY Dressing and Sponge Holding Forceps , curved, with ratchet, length 21 cm
755120	HALLE-BIRKETT Forceps , slender, straight, length 20 cm
2x 754719	SCHNIDT Forceps , slightly curved, serrated, length 19 cm
794016	ROCHESTER-PEAN Artery Forceps , straight, length 16 cm
2x 794014	Same , length 14 cm
2x 794514	OCHSNER-KOCHER Artery Forceps , straight, 1 x 2 teeth, length 14 cm
8x 535212	HALSTEAD "Mosquito" Artery Forceps , curved, length 12.5 cm
6x 796011	BACKHAUS Towel Forceps , length 11 cm
516015	Needle Holder , tungsten carbide inserts, length 15 cm
798618	HEGAR Needle Holder , slender, tungsten carbide inserts, length 18 cm
219513	WULLSTEIN Retractor , 3 x 3 teeth, length 13 cm
219717	FISCH Retractor , articulated, 3 x 3 prongs, semisharp, length 17 cm
450002	HARTMANN Nasal Cutting Forceps, dismantling , round, size 2, working length 11 cm
810810	Medicine Cup , 100 ccm, diameter 80 mm, height 30 mm
843116	Bipolar Coagulation Forceps , insulated, angular, pointed, length 16 cm
842219	Bipolar Coagulation Forceps , insulated, angled tip, blunt, tip 2 mm, length 19 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
203930	Suction Tube , malleable, LUER, outer diameter 3 mm, length 22.5 cm
771000	KILLIAN Laryngeal Applicator , length 25 cm

Recommended Sets

Basic Instruments for Soft Tissue Tumor Surgery

Recommended Set

2x 755120	HALLE-BIRKETT Forceps , slender, straight, length 20 cm
2x 748220	DUPLAY Dressing and Sponge Holding Forceps , curved, with ratchet, length 21 cm
2x 755401	NEGUS Forceps , large curve, length 20 cm
740000	BRÜNINGS Tongue Depressor , length 19 cm
474000	FREER Elevator , double-ended, semisharp and blunt, length 20 cm
474200	FREER-JOSEPH Elevator , double-ended, slender, semisharp and sharp, length 20 cm
751411	HENKE Elevator , width 11.5 mm, length 23.5 cm
169009	JANSEN Raspatory , width 9 mm, length 19.5 cm
797214	Bulbous Probe , diameter 1.5 mm, length 14.5 cm
797314	Grooved Director , length 14.5 cm
219513	WULLSTEIN Retractor , 3 x 3 prongs, length 13 cm
219717	FISCH Retractor , articulated, 3 x 3 prongs, semisharp, length 17 cm
403575	KILLIAN-STRUYCKEN Nasal Speculum , standard model, blade length 75 mm, length 13.5 cm
789500	KILLIAN Laryngectomy Scissors , double action, length 21.5 cm
204809	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 9 Fr., working length 11 cm
204812	Same , 12 Fr.
204815	Same , 15 Fr.
751001	BLOHMKE Forceps , length 20 cm
450002	HARTMANN Nasal Cutting Forceps, dismantling , round, size 2, working length 11 cm
810806	Medicine Cup , 60 ccm, diameter 70 mm, height 33 mm
810810	Medicine Cup , 100 ccm, diameter 80 mm, height 30 mm
755500	YANKAUER Suction Tube , standard model, with large holes, length 29 cm
2x 786001	Retractor , sharp, 1 prong, length 17 cm
2x 786002	Same , 2 prongs
2x 800402	VOLKMANN Retractor , sharp, 2 prongs, length 21 cm
2x 800502	Same , blunt
2x 800404	VOLKMANN Retractor , sharp, 4 prongs, length 21 cm
2x 800504	Same , blunt
2x 800406	VOLKMANN Retractor , sharp, 6 prongs, length 21 cm
2x 800506	Same , blunt
801414	GLANZ Retractor , blunt, 4 prongs, curved backwards, size 30 x 12 mm, length 21 cm
786500	SCHÖNBORN Thymus Retractor , width 5 mm, length 20.5 cm
801800	LANGENBECK Retractor , size 33 x 14 mm, length 22 cm
801600	LANGENBECK Retractor , oval blade, size 60 x 20 mm, length 21.5 cm
792402	Dressing Forceps , medium, length 14.5 cm
792403	Same , narrow
793401	Tissue Forceps , 1 x 2 teeth, standard width, length 14.5 cm
793402	Same , medium
793403	Same , narrow
750000	Forceps , serrated, width 4 mm, length 20 cm
530416	“ATRAUMA” Atraumatic Tissue Forceps , width of jaws 2 mm, length 16 cm
750112	Tissue Forceps , 1 x 2 teeth, width 3.5 mm, length 20 cm
842216	Bipolar Coagulation Forceps , insulated, angled tip, blunt, tip 1 mm, length 16 cm
842219	Bipolar Coagulation Forceps , insulated, angled tip, blunt, tip 2 mm, length 19 cm
847000 E	Bipolar High Frequency Cord , length 300 cm
26 5200 38	Ball Electrode , 4 mm
26 5200 34	KIRSCHNER Spatula Electrode , straight
26 5200 43	Electrode Handle , with 2 buttons for activating the unipolar generator, yellow button: unipolar cutting, blue button: unipolar coagulation, High Frequency Cable 26 5200 45 required
12x 754719	SCHNIDT Forceps , slightly curved, serrated, length 19 cm

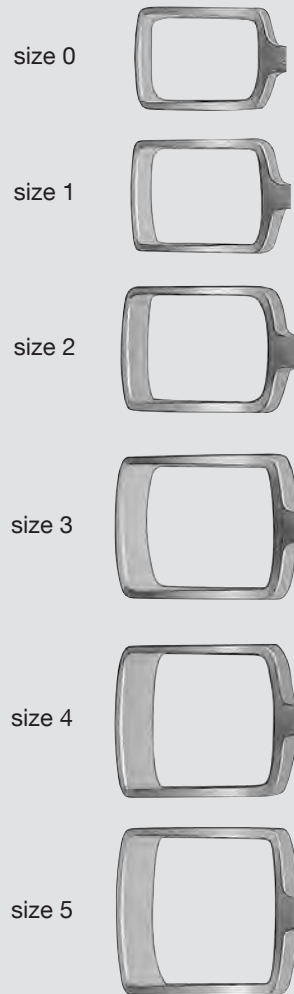
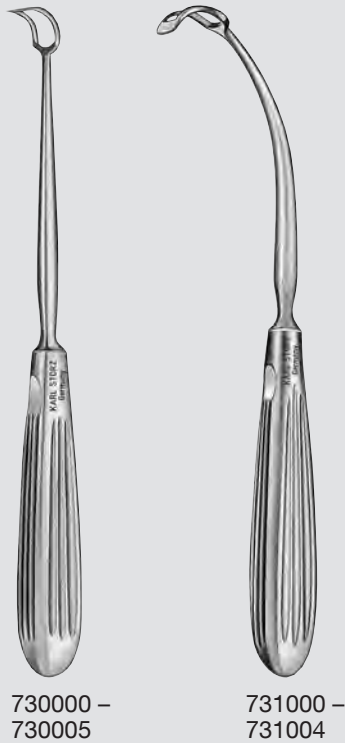
Recommended Sets

Soft Tissue Tumor Surgery

208000	Surgical Handle , Fig. 3, length 12.5 cm
208210	Blade , Fig. 10, sterile, for single use, package of 100
208211	Same , Fig. 11
797340	Redon Guide Needle , angled, with lancet tip, 10 Fr.
800001	DESCHAMPS Ligature Needle , curved to right, length 20 cm
800002	Same , curved to left
516013	Needle Holder , tungsten carbide inserts, length 13 cm
516015	Same , length 15 cm
798618	HEGAR Needle Holder , slender, tungsten carbide inserts, length 18 cm
2x 156000	LUCAE Ear Forceps , bayonet-shaped, length 14.5 cm
533012	ADSON Dressing Forceps , serrated, length 12 cm
533112	ADSON Tissue Forceps , 1 x 2 teeth, length 12 cm
2x 533212	ADSON-BROWN Tissue Forceps , atraumatic, fine side grasping teeth, length 12 cm
20x 535212	HALSTEAD "Mosquito" Artery Forceps , curved, length 12.5 cm
20x 535612	Same , 1 x 2 teeth
20x 796011	BACKHAUS Towel Forceps , length 11 cm
537014	Dissecting Forceps , straight, without ratchet, length 14 cm
12x 794514	OCHSNER-KOCHER Artery Forceps , straight, 1 x 2 teeth, length 14 cm
12x 794014	ROCHESTER-PEAN Artery Forceps , straight, length 14 cm
4x 794016	Same , length 16 cm
2x 795015	ALLIS Forceps , 4 x 5 teeth, length 15 cm
2x 795115	BRAUN Hook Forceps , 4 x 4 teeth, length 15.5 cm
791815	REYNOLDS Scissors , curved, delicate tips, length 15 cm
2x 752918	METZENBAUM Scissors , curved, length 18 cm
511615	METZENBAUM-LAHEY Scissors , curved, extra slender, length 15 cm
2x 511514	METZENBAUM Scissors , curved, length 14 cm
513310	STEVENS Scissors , curved, length 10.5 cm
2x 511414	JOSEPH Scissors , curved, length 14 cm
511210	Scissors , extra delicate, curved, length 10 cm
791202	Scissors , curved, sharp/blunt, length 14.5 cm
790802	Scissors , straight, sharp/blunt, length 14.5 cm

Instruments for the Nasopharynx – Adenotomy

Adenoid Curettes



- 730000 BECKMANN Adenoid Curette, straight, size 0, length 22 cm
- 730001 **Same**, size 1
- 730002 **Same**, size 2
- 730003 **Same**, size 3
- 730004 **Same**, size 4
- 730005 **Same**, size 5

- 731000 NEGUS Adenoid Curette, curved, size 0, length 21 cm
- 731001 **Same**, size 1
- 731002 **Same**, size 2
- 731003 **Same**, size 3
- 731004 **Same**, size 4

Instruments for the Nasopharynx – Adenotomy

Tongue Depressors



740000



740014



740200



740500



740700

740000 BRÜNINGS **Tongue Depressor**, length 19 cm

740014 **Tongue Depressor**, width 20 x 25 mm, length 17.5 cm

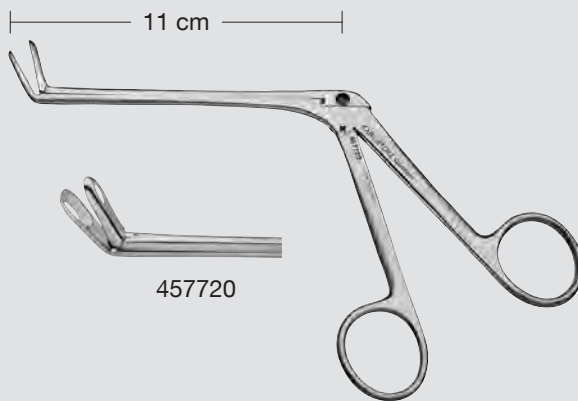
740200 FRENZEL **Tongue Depressor**, length 16.5 cm

740500 MORITZ-SCHMIDT **Tongue Depressor**, length 19 cm

740700 HARTMANN **Tongue Depressor**, length 17 cm

Instruments for the Nasopharynx – Adenotomy

Nasal Forceps

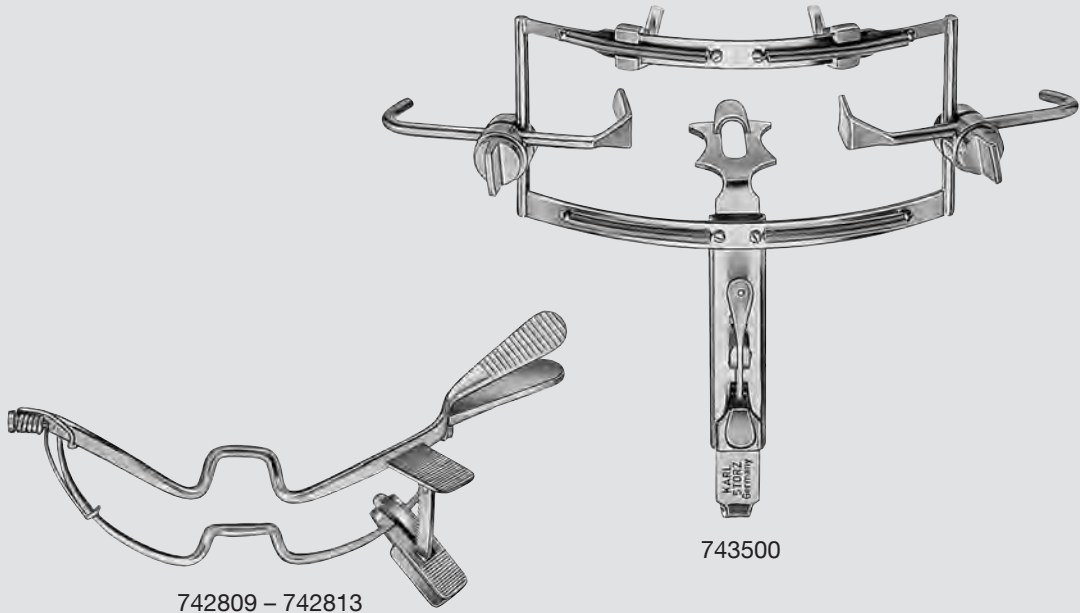


457720 **BLAKESLEY-WIGAND Nasal Forceps, dismantling,**
60° upturned, long jaws 6 x 20 mm, rounded tips,
working length 11 cm

732500 **JURACZ Adenoid Forceps,** sharp, length 19 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Mouth Gags



742809 – 742813

743500

- 742809 SEEMANN-SEIFFERT **Mouth Gag**, self-retaining, small, for children, length 9 cm
- 742811 **Same**, medium, standard size, length 11 cm
- 742813 **Same**, large, length 13 cm
- 743500 DINGMANN **Mouth Gag**, complete including:
 - Tongue Depressor**, size 1, 55 x 25 mm
 - Tongue Depressor**, size 2, 60 x 27 mm
 - Tongue Depressor**, size 3, 70 x 30 mm
 - 2x **Cheek Retractor**, adjustable
 - 2x **Screw Connection**, complete
 - 2x **Tooth Hook**, movable

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Tongue Blades



743910	DAVIS-MEYER Tongue Blade , with anesthetic tube, size 1, 28 x 68 mm
743915	Same , size 1½, 29 x 73 mm
743920	Same , size 2, 30 x 76 mm
743925	Same , size 2½, 31 x 83 mm
743930	Same , size 3, 32 x 88 mm
743935	Same , size 3½, 33 x 98 mm
743940	Same , size 4, 34 x 108 mm

Components/Spare Parts see chapter 13

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Tongue Blades



744101 –
744104

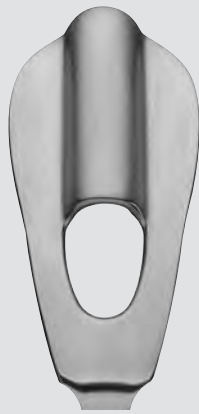


744101 –
744104

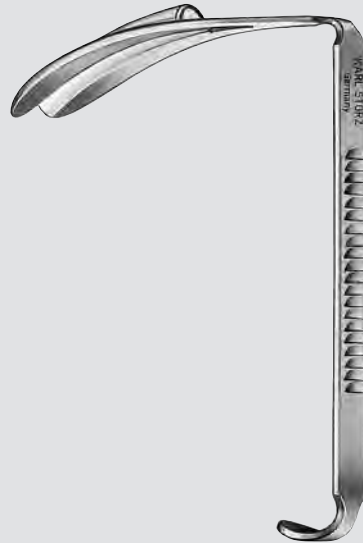
- | | |
|--------|---|
| 744101 | HERBERHOLD Tongue Blade , with asymmetric recess, size 1, 29 x 65 mm |
| 744102 | Same , size 2, 33 x 73 mm |
| 744103 | Same , size 3, 38 x 83 mm |
| 744104 | Same , size 4, 41 x 98 mm |

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Tongue Blades



744200 –
744205

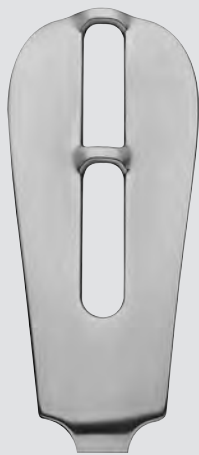


744200 –
744205

- | | |
|--------|--|
| 744200 | RUSSEL-DAVIS Tongue Blade , with central groove, size 0, 25 x 60 mm |
| 744201 | Same , size 1, 30 x 70 mm |
| 744202 | Same , size 2, 34 x 80 mm |
| 744203 | Same , size 3, 39 x 84 mm |
| 744204 | Same , size 4, 42 x 98 mm |
| 744205 | Same , size 5, 47 x 105 mm |

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Tongue Blades



744301 –
744305



744301 –
744305

- | | |
|--------|---|
| 744301 | Tongue Blade, WÜRZBURG model,
slotted, size 1, 28 x 69 mm |
| 744302 | Same, size 2, 32 x 77 mm |
| 744303 | Same, size 3, 34 x 85 mm |
| 744304 | Same, size 4, 37 x 98 mm |
| 744305 | Same, size 5, 38 x 105 mm |

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

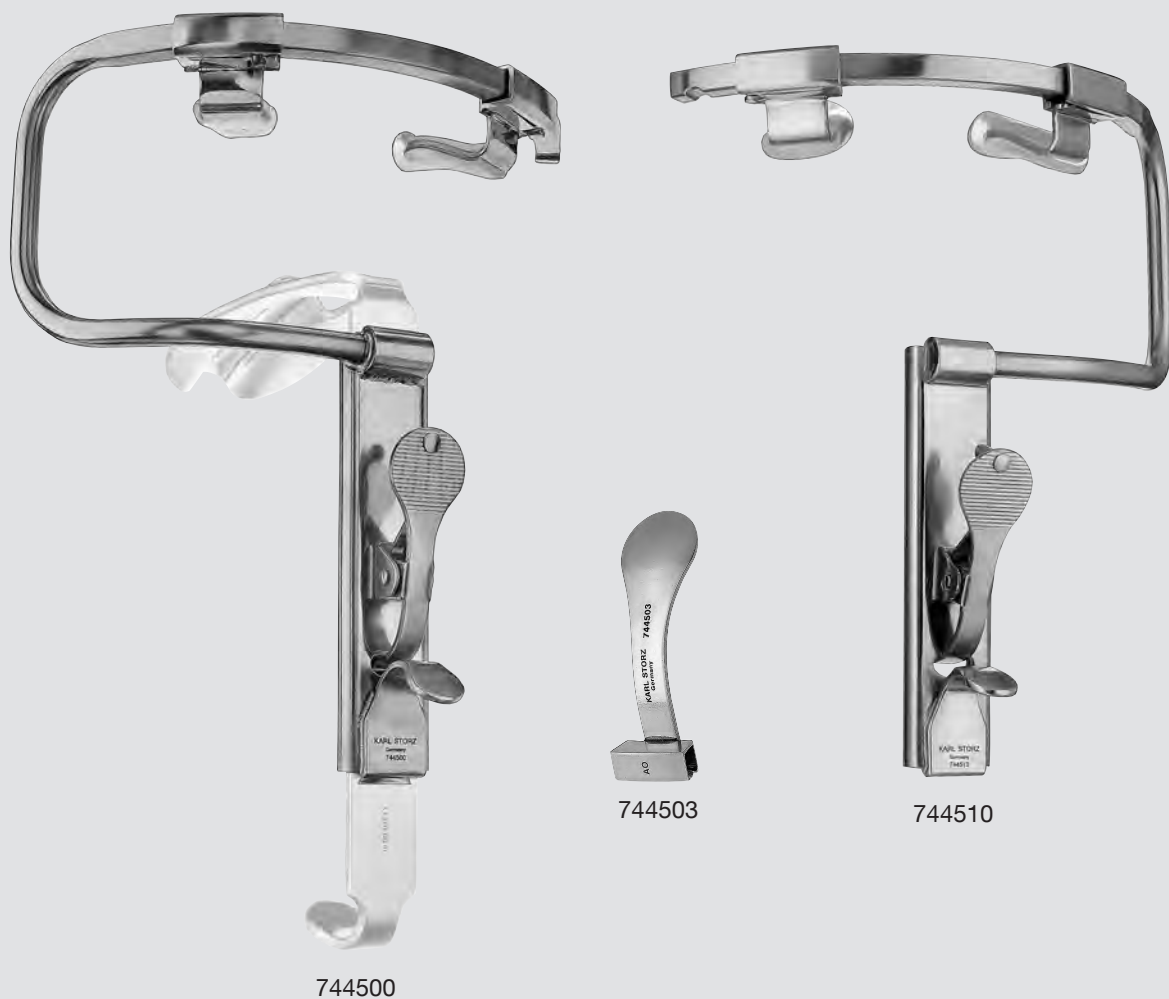
Tongue Blades



- | | |
|--------|---|
| 744402 | RING Tongue Blade , size 2, 25 x 61 mm |
| 744403 | Same , size 3, 28 x 74 mm |
| 744404 | Same , size 4, 34 x 88 mm |
| 744405 | Same , size 5, 37 x 100 mm |

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Mouth Gags



- 744500 **DAVIS-MEYER Mouth Gag**, standard model, with sliding Tooth Hook 744501, for use with Tongue Blades 743910 – 744405
- 744503 **Palate Support Blade**, for toothless patients, for use with Mouth Gags 744500, 744510
- 744510 **DAVIS-MEYER Mouth Gag**, special model, reverse opening, with 2 movable Tooth Hooks 744501, for use with Tongue Blades 743910 – 744505

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Mouth Gags and Chest Support

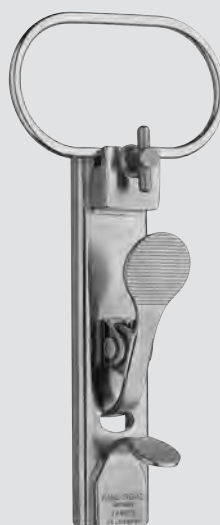
STORZ
KARL STORZ — ENDOSKOPE



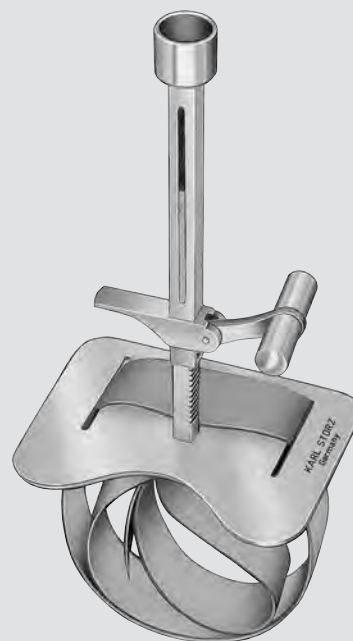
744600



744610



744620



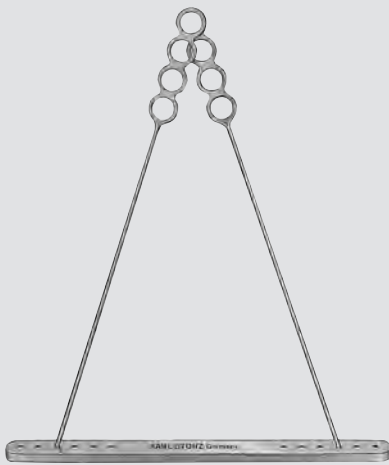
744800

- 744600 **McIVOR Mouth Gag**, with removable bow for replacement of rubber tube, for use with Tongue Blades 743910 – 744405
- 744610 **McIVOR Mouth Gag**, with small bow for children, with removable bow for replacement of rubber tube, width 80 mm, height 45 mm, length 15 cm, for use with Tongue Blades 743910 – 744405
- 744620 **McIVOR Mouth Gag**, with small bow for babies, with removable bow for replacement of rubber tube, width 60 mm, height 35 mm
- 744800 **NEGUS Chest Support**, with webbing strap, for adults, rod 14 cm, for use with Tongue Blades 743910 – 744405 and Mouth Gags 744500 – 744600

Components/Spare Parts see chapter 13

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Suspension Apparatus Bipods



745200



745250

745200 **DRAFFIN Suspension Apparatus Bipod**, for use with
Tongue Blades 743910 – 744405 and Mouth Gags 743500,
744500 – 744600

including:

2x **Rod**, with 4 rings

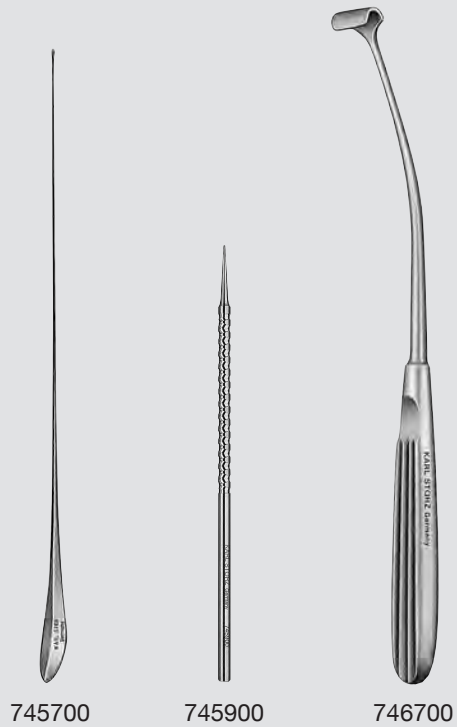
Base Plate

745250 **BORNA Suspension Apparatus Bipod**, fork-
shaped, 420 x 280 mm, for use with Tongue Blades
743910 – 744405 and Mouth Gags 744500 – 744600

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Salivary Duct Probe, Dilator and Pillar Retractor

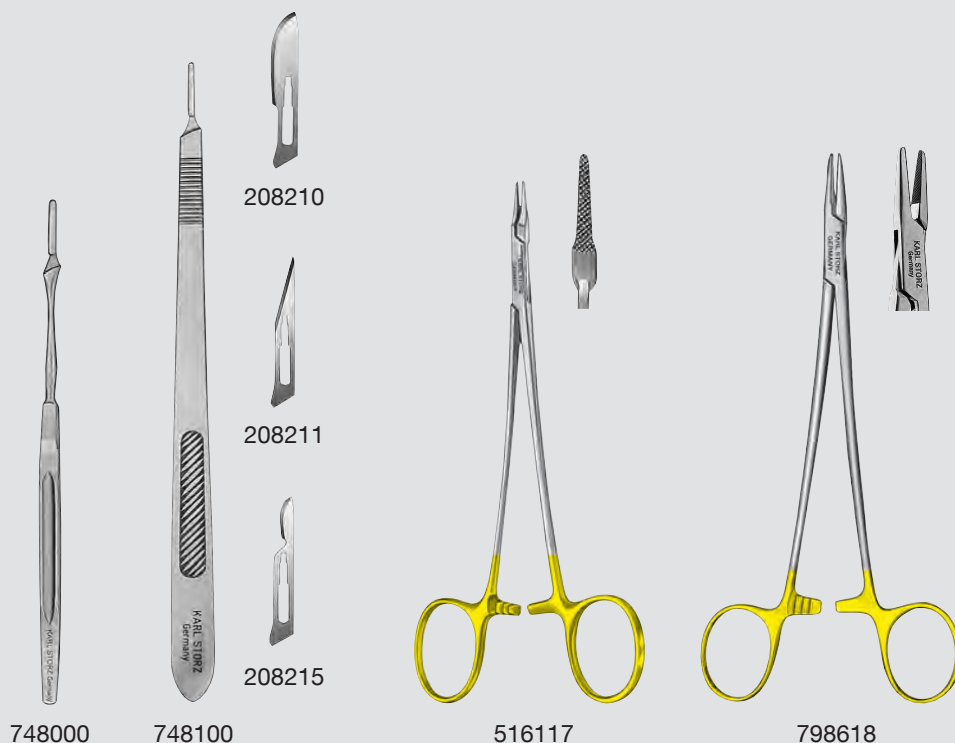
STORZ
KARL STORZ — ENDOSKOPE



- 745700 SEIFFERT **Salivary Duct Probe**, silver, extra delicate, diameter 0.5 mm, length 18 cm
- 745900 WILDER **Dilator**, for the salivary duct
- 746700 NAGER **Pillar Retractor**, length 21 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

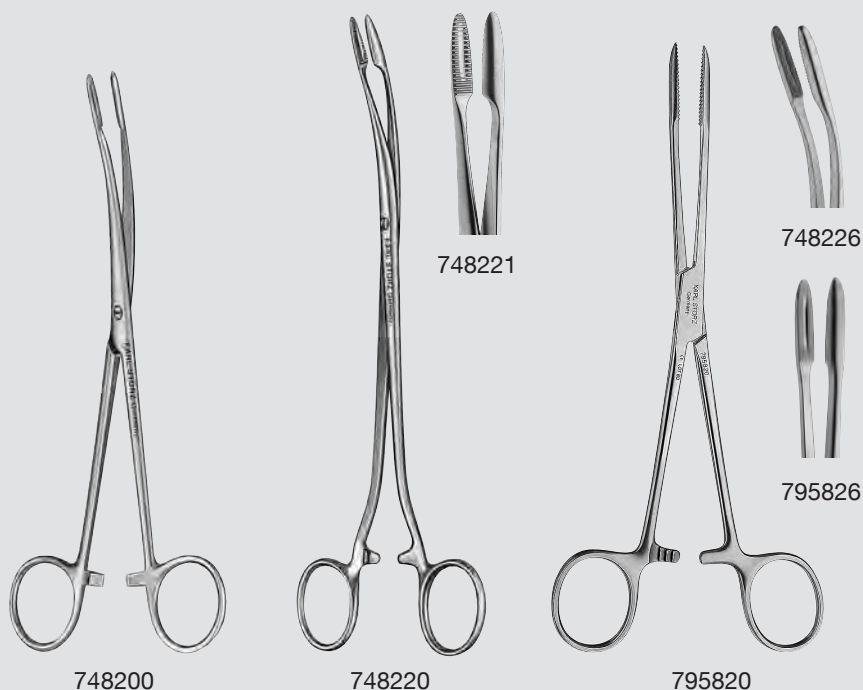
Surgical Handles, Blades and Needle Holders



- 748000 **Surgical Handle**, Fig. 7, length 16.5 cm,
for Blades 208010 – 15, 208210 – 15
- 748100 **Same**, Fig. 3L, length 21 cm
- 208210 **Blade**, Fig. 10, sterile, for single use,
package of 100
- 208211 **Same**, Fig. 11
- 208215 **Same**, Fig. 15
- 516117 RYDER **Needle Holder**, tungsten carbide
inserts, extra delicate, length 17 cm
- 798618 HEGAR **Needle Holder**, tungsten carbide
inserts, slender, length 18 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

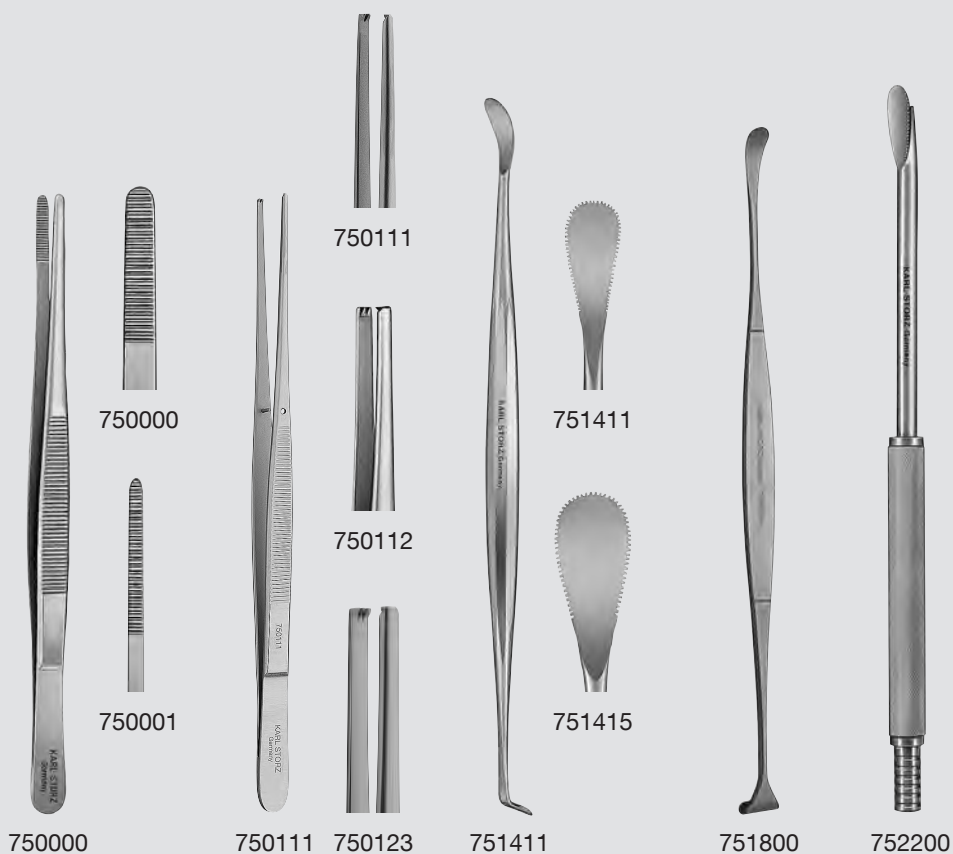
Dressing and Sponge Holding Forceps






- 748200 **Dressing and Sponge Holding Forceps**, slim, curved, with ratchet, length 19 cm
- 748220 **DUPLAY Dressing and Sponge Holding Forceps**, curved, with ratchet, length 21 cm
- 748221 **Same**, straight
- 748226 **MAIER Dressing and Sponge Holding Forceps**, curved, with ratchet, length 26 cm
- 795820 **GROSS Dressing and Sponge Holding Forceps**, straight, with ratchet, length 20 cm
- 795826 **MAIER Dressing and Sponge Holding Forceps**, straight, with ratchet, length 26.5 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

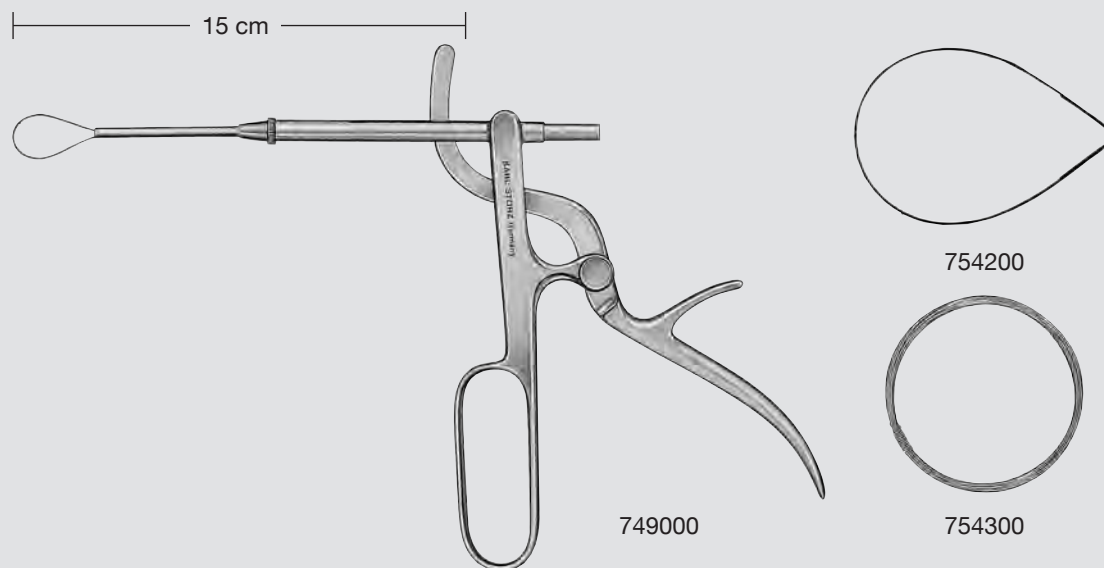
Forceps and Elevators



- 750000 **Forceps**, serrated, width 4 mm, length 20 cm
- 750001 **Same**, width 1.8 mm
-  750111 **Tissue Forceps**, 1 x 2 teeth, width 2 mm, length 20 cm
-  750112 **Same**, width 3.5 mm
-  750123 **Same**, 2 x 3 teeth, width 4.5 mm
- 751411 HENKE **Elevator**, width 11.5 mm, length 23.5 cm
(standard size)
- 751415 HENKE **Elevator**, width 15 mm, length 24 cm
- 751800 HURD **Dissector and Pillar Retractor**, width 9 mm, length 22.5 cm
- 752200 STIERLEN **Suction Dissector**, width 13.5 mm,
length 24 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Tonsil Snare, Wire Snare Loop and Snare Wire



- 749000 **TYDING Tonsil Snare**, working length 15 cm, for use with Wire Snare Loops 754200 or Snare Wire 754300
- 754200 **Wire Snare Loop**, stainless steel, package of 100
- 754300 **Snare Wire**, diameter 0.4 mm, 10 m roll, for use with 749000

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

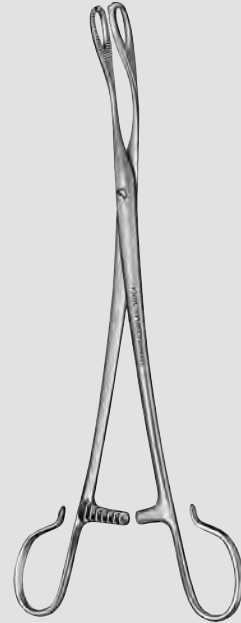
Forceps



750620



750800



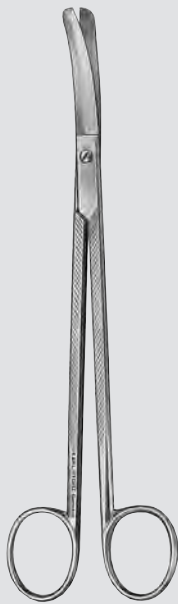
751001

- | | |
|--------|--|
| 750620 | DENIS-BROWNE Forceps , length 20 cm |
| 750800 | COLVER Forceps , length 19 cm |
| 751001 | BLOHMKE Forceps , length 20 cm |

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Scissors

STORZ
KARL STORZ — ENDOSKOPE



752500



752700

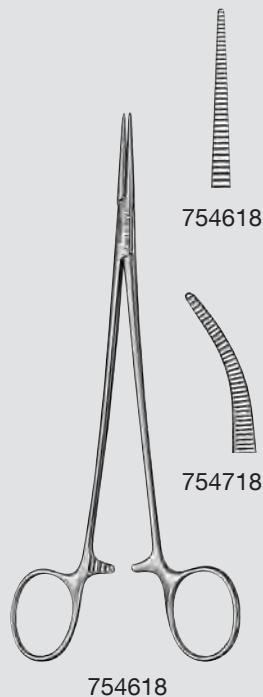


752918 –
752923

752500	GOOD Scissors , length 19.5 cm
752700	BOETTCHE Scissors , length 18.5 cm
752918	METZENBAUM Scissors , curved, length 18 cm
752920	Same , length 20 cm
752923	Same , length 23 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Forceps



- 754518 **MIKULICZ Forceps**, slender, 1 x 2 teeth, length 18 cm
- 754520 **Same**, robust, length 20 cm
- 754618 **“Mosquito” Forceps**, extra slender, serrated, straight, length 18 cm
- 754718 **Same**, curved
- 754719 **SCHNIDT Forceps**, slightly curved, serrated, length 19 cm
- 754920 **OVERHOLT-GEISSENDOERFER Forceps**, curved, serrated, size 0, length 21 cm

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Forceps, Tonsil Snares and Wire Snare Loop



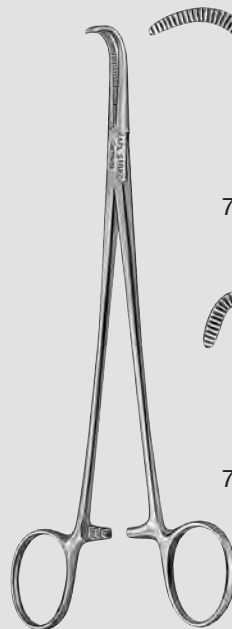
754200



755120



755120



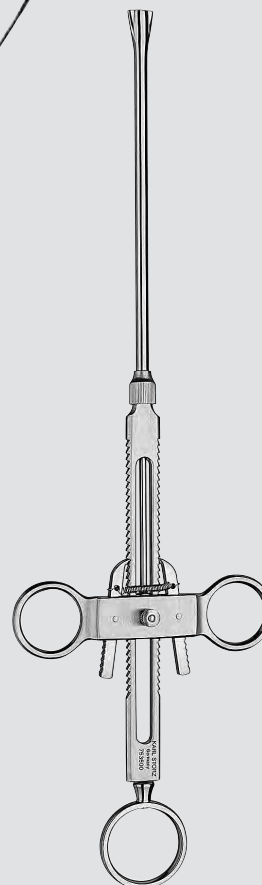
755401



755401



755402



753500



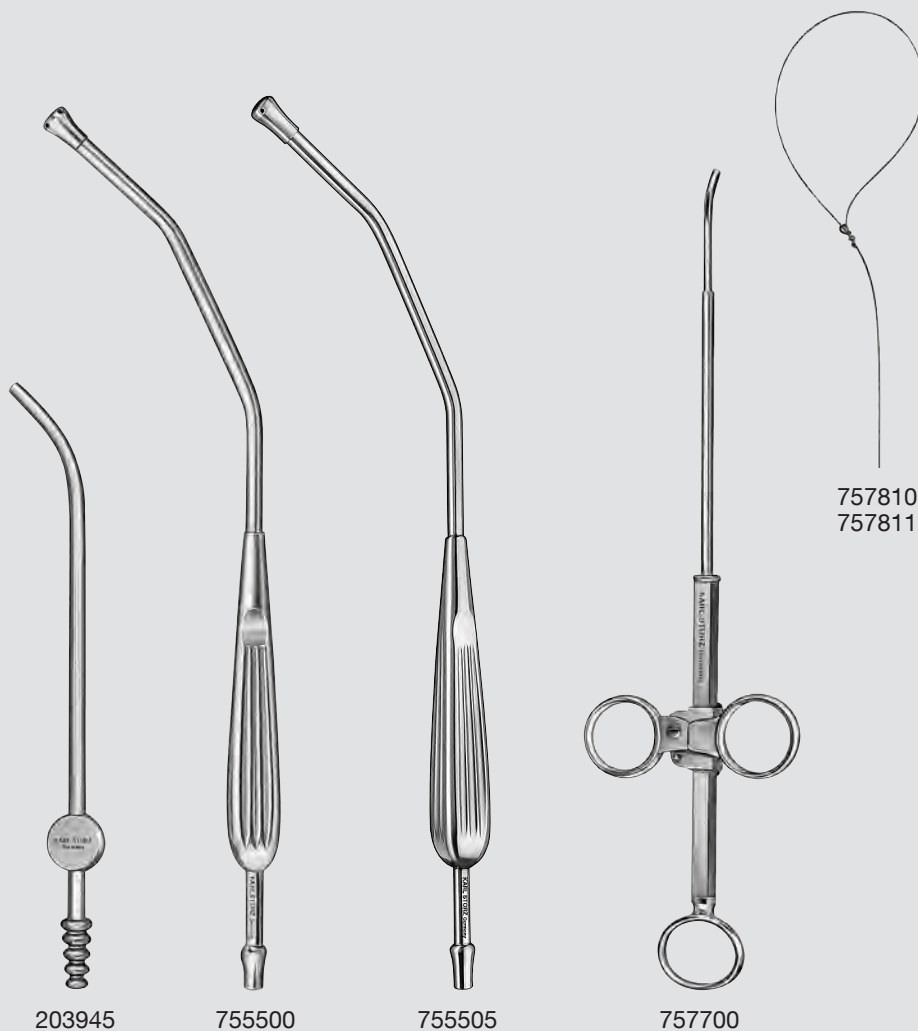
753700

- 755120 HALLE-BIRKETT **Forceps**, slender, straight, length 20 cm
- 755401 NEGUS **Forceps**, large curve, length 20 cm
- 755402 **Same**, small curve
- 753500 BRÜNINGS **Tonsil Snare**, length 29 cm
- 753700 EVES **Tonsil Snare**, length 27 cm
- 754200 **Wire Snare Loop**, stainless steel, package of 100

Components/Spare Parts see chapter 13

Instruments for the Mouth – Tonsillectomy, Tonsillotomy

Suction Tubes, Roeder Loop Applicator and Loops

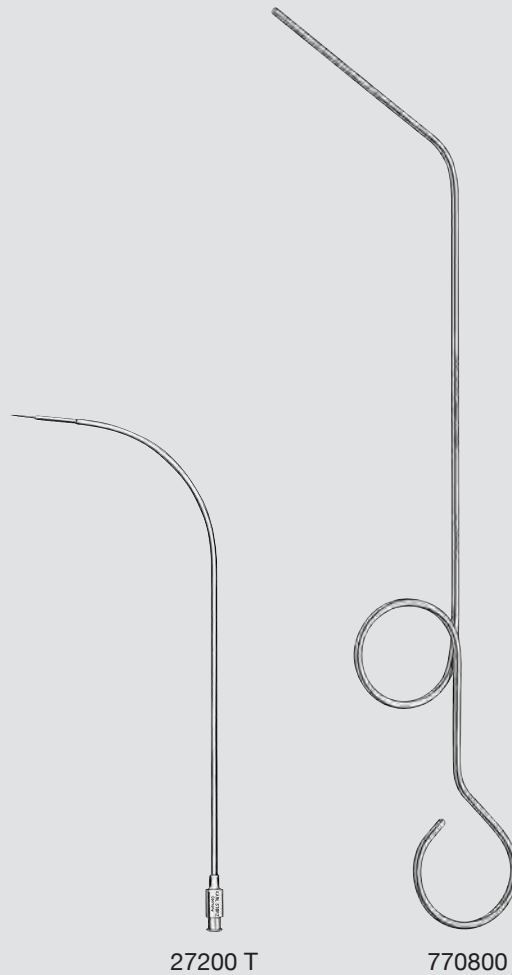


- 203945 **Suction Tube**, curved, conical, outer diameter 4.5 mm, length 20 cm
- 755500 **YANKAUER Suction Tube**, standard model, with large holes, length 29 cm
- 755505 **Same**, with small holes
- 757700 **Roeder Loop Applicator**, model E, length 27 cm
- 757810 **Loops**, for Roeder Loop Applicator 757700, polyglycolic acid, absorbable, sterile, in package of 12, size 0
- 757811 **Same**, size 1

Instruments for the Larynx – Tracheostomy

Larynx Cannula and Cotton Applicators

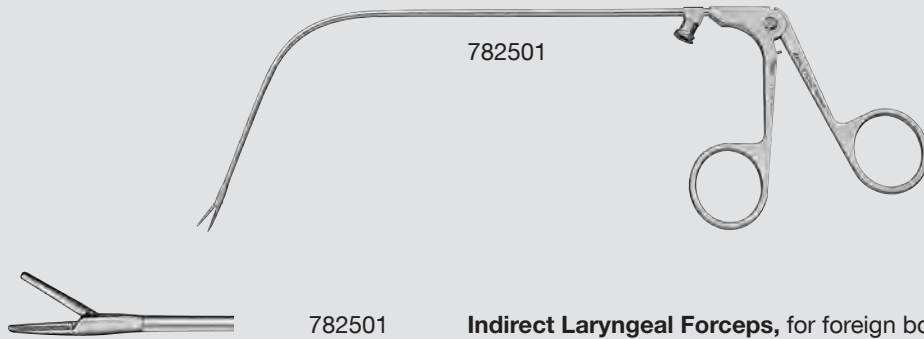
STORZ
KARL STORZ — ENDOSKOPE



- 27200 T JOUSSEM **Larynx Cannula**, curved, LUER-Lock, tip outer diameter 0.6 mm, for collagen application, for single use, package of 3, for use with High Pressure Syringe 771400
- 770800 PELTESON **Cotton Applicator**, working length 27 cm

Instruments for the Larynx – Tracheostomy

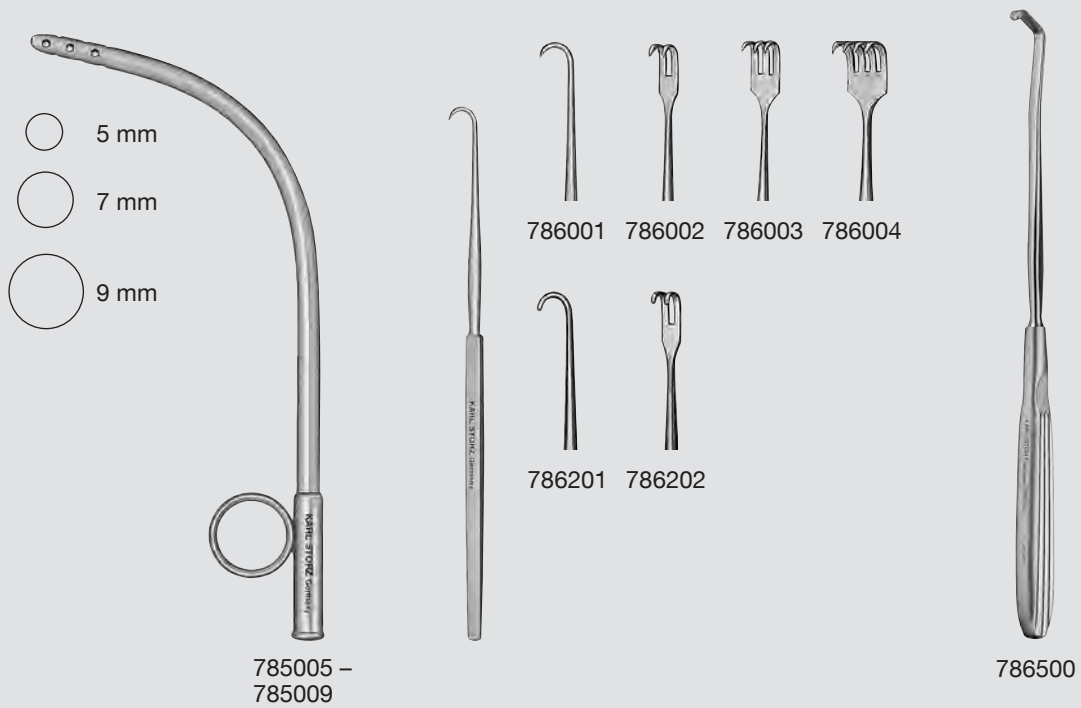
Indirect Laryngeal Forceps



Indirect Laryngeal Forceps, for foreign bodies, serrated, straight, open forwards, with cleaning connector, working length 17 cm

Instruments for the Larynx – Tracheostomy

Life-saving Tubes, Retractors and Thymus Retractor



- 785005 **BRÜNINGS Life-Saving Tube**, outer diameter 5 mm, length 20 cm
- 785007 **Same**, outer diameter 7 mm
- 785009 **Same**, outer diameter 9 mm
- 786001 **Retractor**, sharp, 1 prong, length 17 cm
- 786002 **Same**, 2 prongs
- 786003 **Same**, 3 prongs
- 786004 **Same**, 4 prongs
- 786201 **Retractor**, blunt, 1 prong, length 17 cm
- 786202 **Same**, 2 prongs
- 786500 **SCHÖNBORN Thymus Retractor**, width 5 mm, length 20.5 cm

Instruments for the Larynx – Tracheostomy

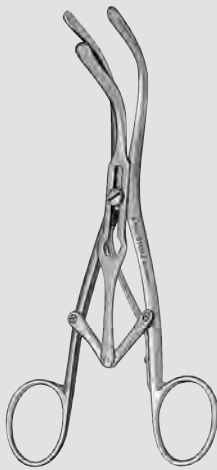
Nasal Speculum and Tracheal Speculum



- 403575 KILLIAN-STRUYCKEN **Nasal Speculum**, standard model, blade length 75 mm, length 13.5 cm
- 786600 WEERDA **Tracheal Speculum**, length 19 cm

Instruments for the Larynx – Tracheostomy

Tracheal Dilator and Laryngectomy Scissors



786800



786900



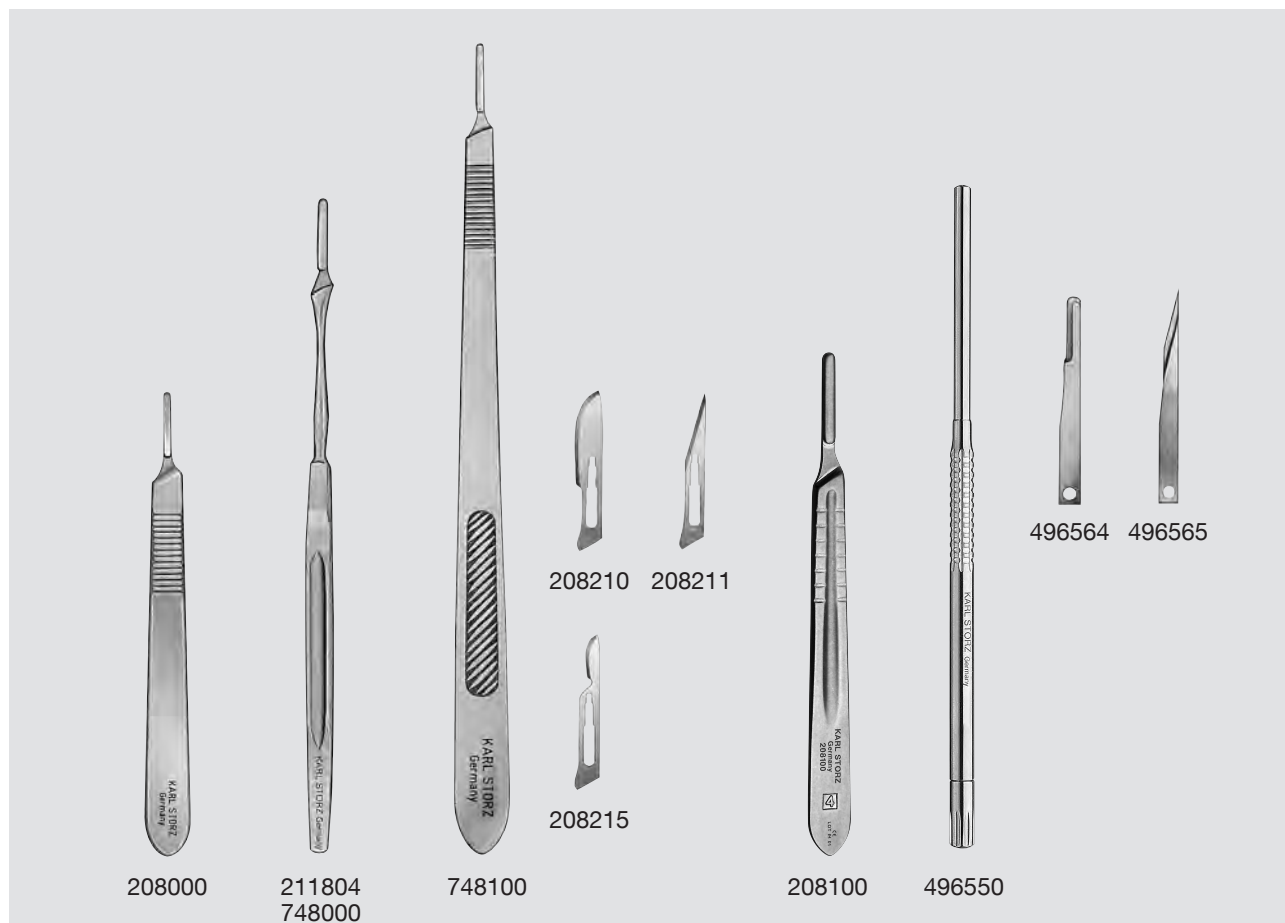
789500

- 786800 LABORDE **Tracheal Dilator**, length 15 cm, three-bladed
- 786900 **Same**, two-bladed
- 789500 KILLIAN **Laryngectomy Scissors**, double action, length 21.5 cm



**HOSPITAL SUPPLIES,
SCALPELS, SCISSORS,
FORCEPS, NEEDLE
HOLDERS, RETRACTORS,
MISCELLANEOUS**

Scalpels and Handles



- 208000 **Surgical Handle**, Fig. 3, length 12.5 cm, for Blades 208010 – 15, 208210 – 15
- 211804 **FISCH Dual Purpose Scalpel Handle**, elevator on one side, scalpel handle no. 7 on the other side, length 16 cm
- 748000 **Surgical Handle**, Fig. 7, length 16.5 cm, for Blades 208010 – 15, 208210 – 15
- 748100 **Surgical Handle**, Fig. 3L, length 21 cm, for Blades 208010 – 15, 208210 – 15
- 208210 **Blade**, Fig. 10, sterile, for single use, package of 100
- 208211 **Same**, Fig. 11
- 208215 **Same**, Fig. 15

- 208100 **Surgical Handle**, Fig. 4, length 13.5 cm, for Blades 208019, 208120 – 21, 208320 – 21
- 496550 **Surgical Handle**, for miniature blades, round, length 16.5 cm, for Blades 496564 – 65
- 496564 **Miniature Blade**, Fig. 64, round, sterile, for single use, package of 25
- 496565 **Miniature Blade**, Fig. 65, pointed, sterile, for single use, package of 25

Scissors



790501
790801

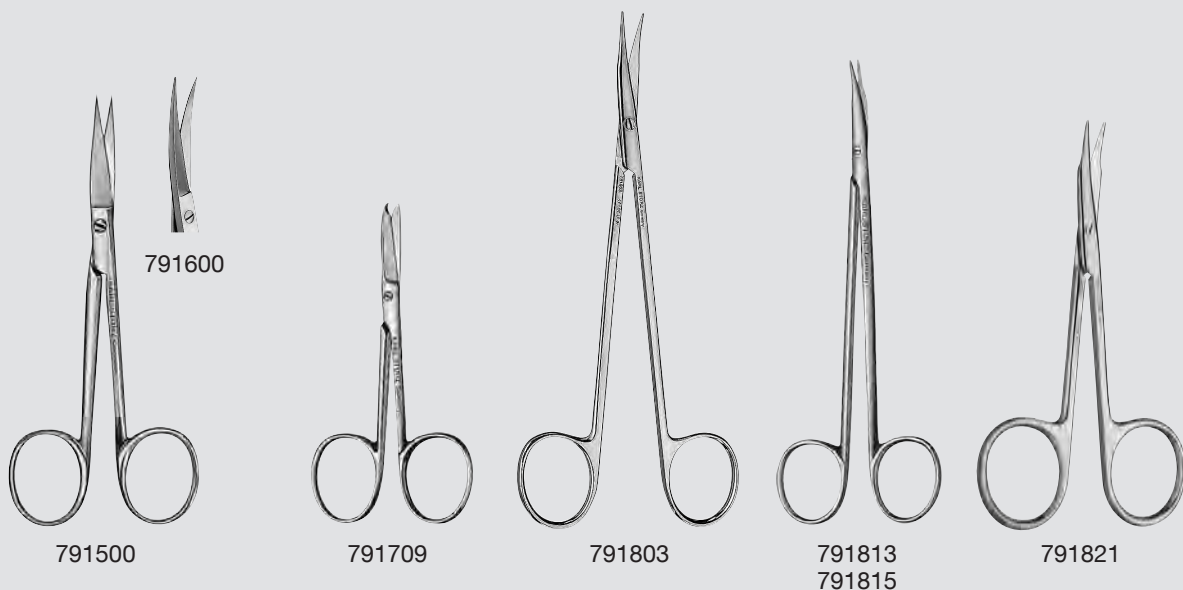
790502
790802

791001
791201

791002
791202

791003
791203

- | | |
|--------|---|
| 790501 | Scissors , straight, sharp/sharp, length 13 cm |
| 790502 | Same , sharp/blunt |
| 790801 | Scissors , straight, sharp/sharp, length 14.5 cm |
| 790802 | Same , sharp/blunt |
| 791001 | Scissors , curved, sharp/sharp, length 13 cm |
| 791002 | Same , sharp/blunt |
| 791003 | Same , blunt/blunt |
| 791201 | Scissors , curved, sharp/sharp, length 14.5 cm |
| 791202 | Same , sharp/blunt |
| 791203 | Same , blunt/blunt |



- 791500 **Stitch Scissors**, straight, sharp/sharp, length 12.5 cm
- 791600 **Same**, curved
- 791709 **SPENCER Stitch Scissors**, length 9 cm
- 791803 **JAMESON Scissors**, curved, pointed, delicate tips, length 15.5 cm
- 791813 **REYNOLDS Scissors**, curved, delicate tips, length 13 cm
- 791815 **Same**, length 15 cm
- 791821 **STEVENS Scissors**, curved, particularly robust, length 11.5 cm

Scissors



791903
791905



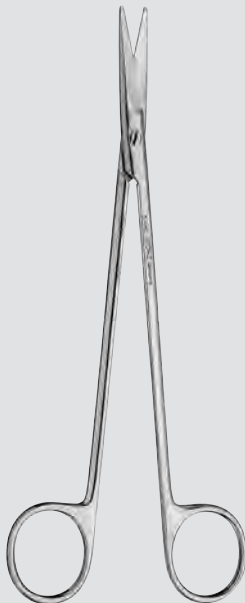
792003



792013



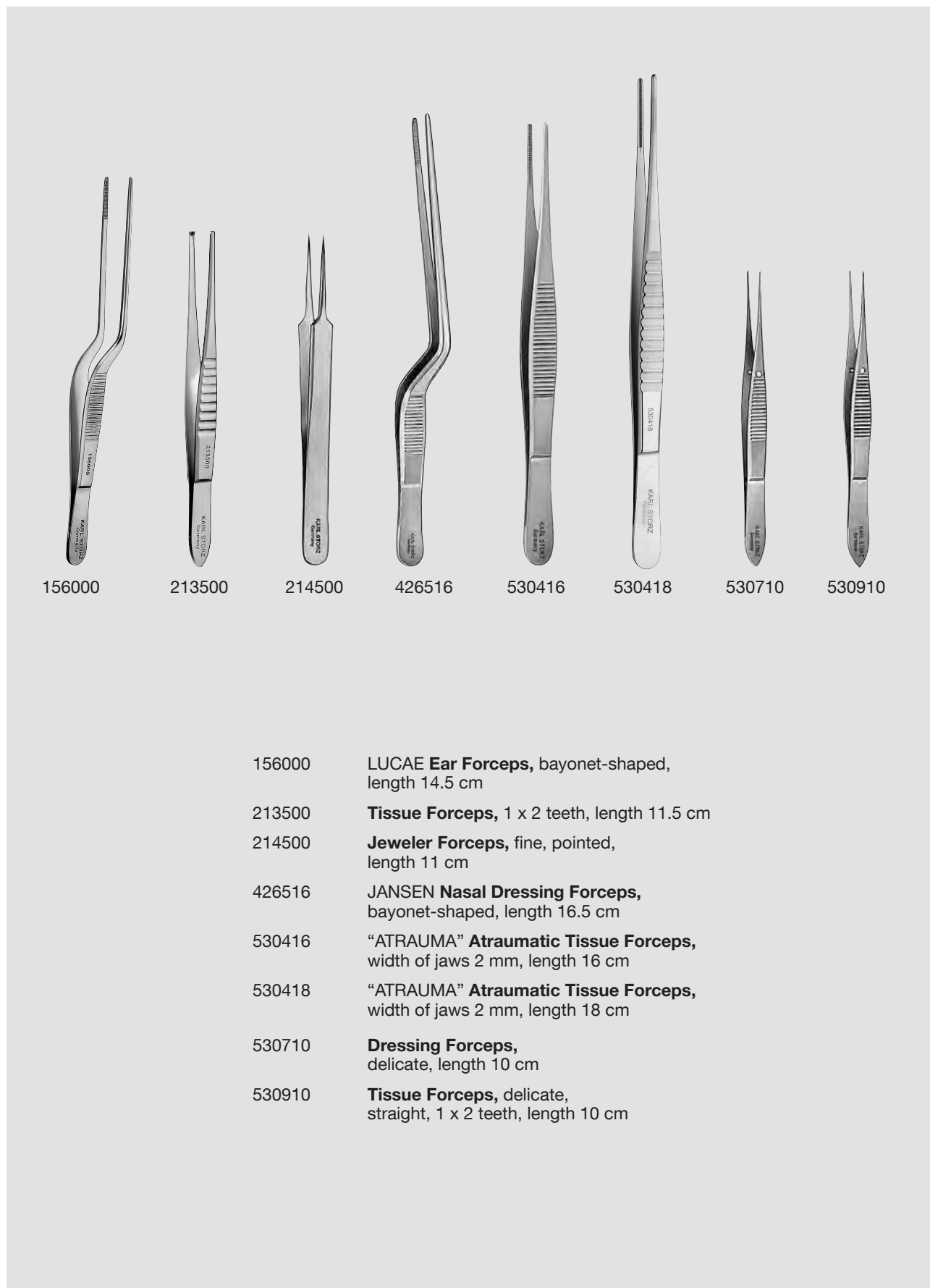
792026



792071

- 791903 **MAYO Scissors**, straight, length 15 cm
- 791905 **Same**, length 17 cm
- 792003 **MAYO Scissors**, curved, length 15 cm
- 792013 **Same**, with tungsten carbide inserts
- 792026 **MAYO-LEXER Scissors**, with tungsten carbide inserts, curved, narrow blades, length 16 cm
- 792071 **TOENNIS Dissecting Scissors**, fine model, straight, blunt/blunt, length 18 cm

Forceps



156000

213500

214500

426516

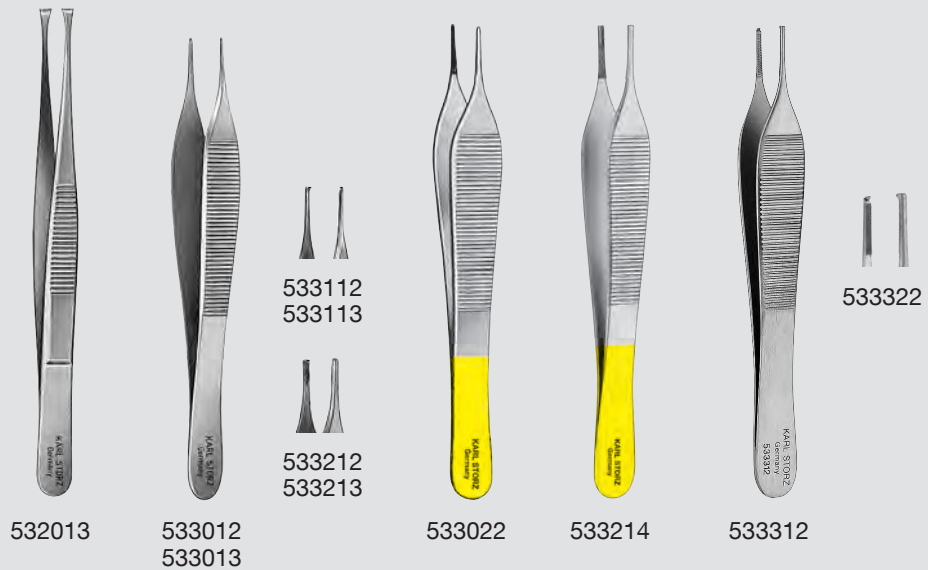
530416

530418

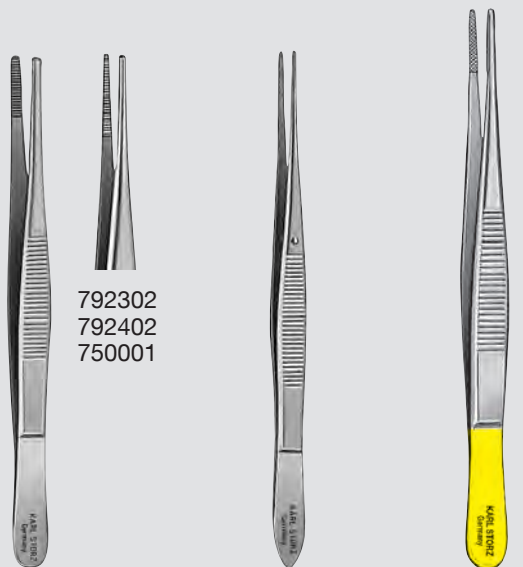
530710

530910

- 156000 **LUCAE Ear Forceps**, bayonet-shaped, length 14.5 cm
- 213500 **Tissue Forceps**, 1 x 2 teeth, length 11.5 cm
- 214500 **Jeweler Forceps**, fine, pointed, length 11 cm
- 426516 **JANSEN Nasal Dressing Forceps**, bayonet-shaped, length 16.5 cm
- 530416 **“ATRAUMA” Atraumatic Tissue Forceps**, width of jaws 2 mm, length 16 cm
- 530418 **“ATRAUMA” Atraumatic Tissue Forceps**, width of jaws 2 mm, length 18 cm
- 530710 **Dressing Forceps**, delicate, length 10 cm
- 530910 **Tissue Forceps**, delicate, straight, 1 x 2 teeth, length 10 cm



- 532013 **Tissue Forceps**, straight, with 7 x 8 fine teeth, length 13 cm
- 533012 **ADSON Dressing Forceps**, serrated, length 12 cm
- 533013 **Same**, micro-model
- 533022 **Same**, tungsten carbide inserts
- 533112 **ADSON Tissue Forceps**, 1 x 2 teeth, length 12 cm
- 533113 **Same**, micro-model
- 533212 **ADSON-BROWN Tissue Forceps**, atraumatic, fine side grasping teeth, length 12 cm
- 533213 **Same**, micro-model
- 533214 **ADSON-BROWN Tissue Forceps**, atraumatic, fine side grasping teeth, tungsten carbide inserts, width 1.5 mm, length 12 cm
- 533312 **ADSON Tissue Forceps**, serrated, 1 x 2 teeth, length 12 cm
- 533322 **ADSON Tissue Forceps**, serrated, 1 x 2 teeth, tungsten carbide inserts, length 12 cm



792302
792402
750001

792301
792401
750000

792303
792403

792314
792318

- 792301 **Dressing Forceps**, standard width, length 13 cm
- 792302 **Same**, medium
- 792303 **Same**, narrow
- 792314 **Dressing Forceps**, tungsten carbide inserts, width 1.8 mm, length 14.5 cm
- 792318 **Same**, length 18 cm
- 792401 **Dressing Forceps**, standard width, length 14.5 cm
- 792402 **Same**, medium
- 792403 **Same**, narrow
- 750000 **Forceps**, serrated, width 4 mm, length 20 cm
- 750001 **Same**, width 1.8 mm

Forceps



793215



793216

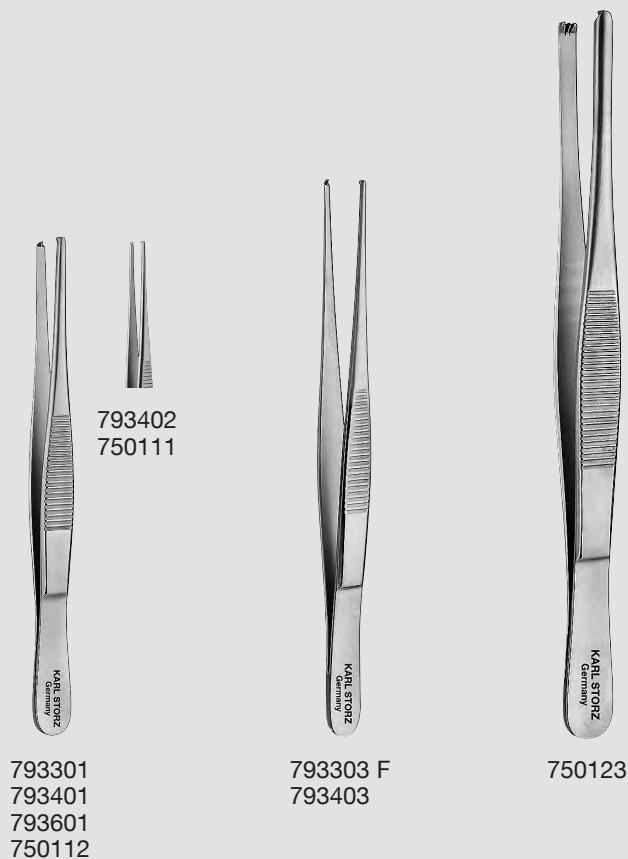


793220

793215 **HELMS Forceps**, pointed, atraumatic, length 15 cm

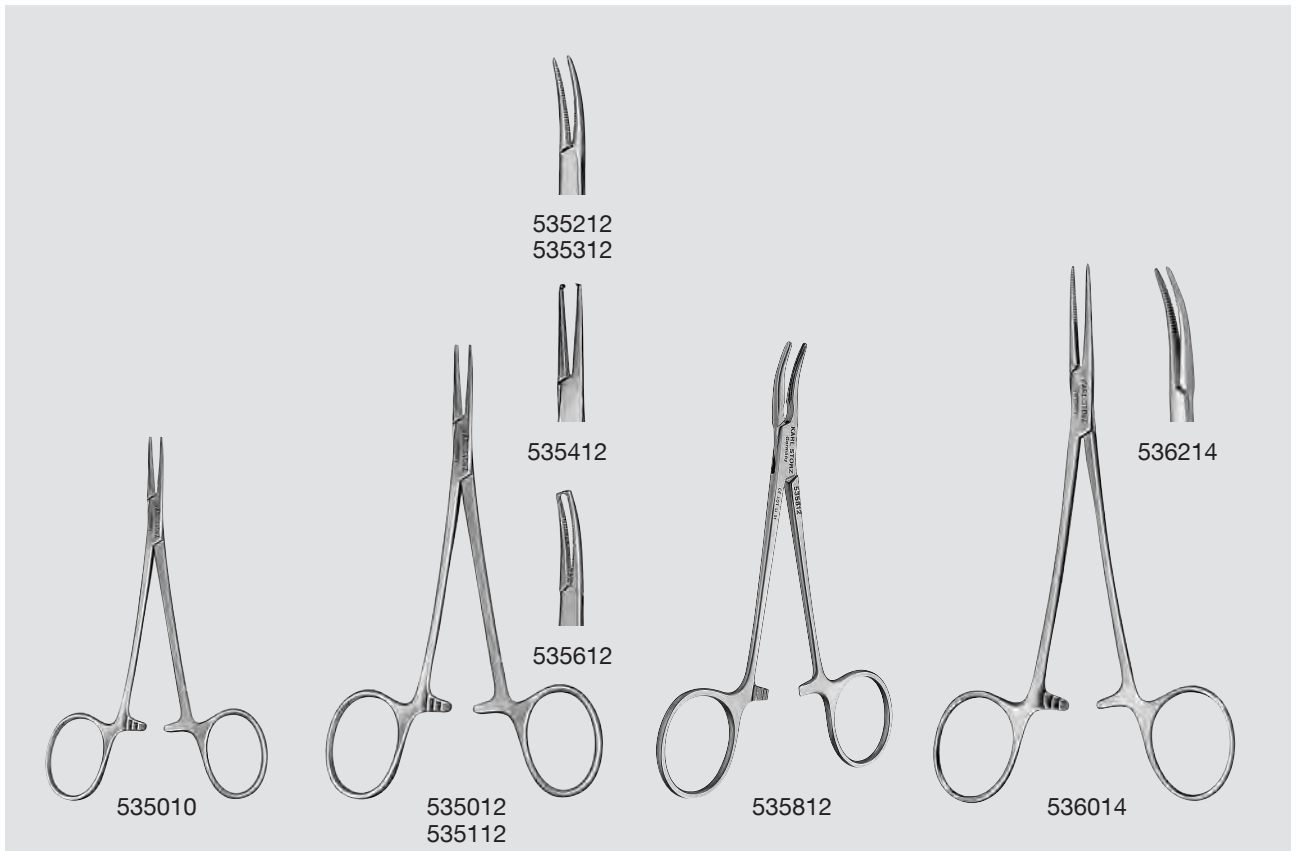
793216 **GILLIES Tissue Forceps**, serrated, 1 x 2 teeth, length 15.5 cm

793220 **WAUGH Tissue Forceps**, serrated, 1 x 2 teeth, length 20 cm

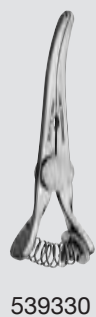
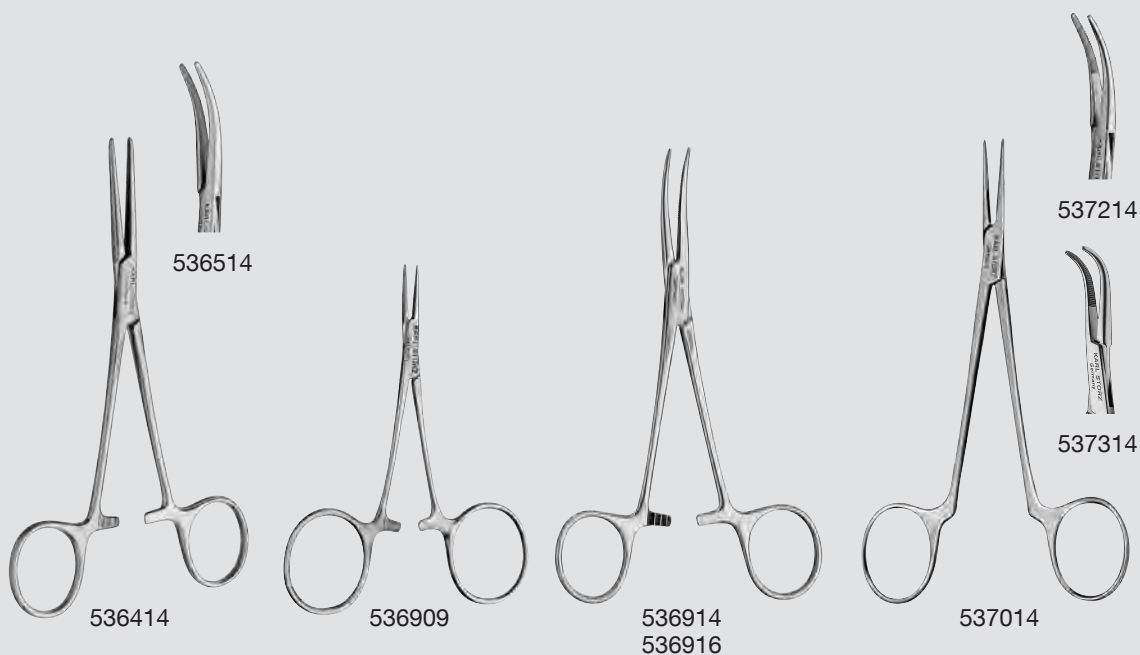


- 793301 **Tissue Forceps**, 1 x 2 teeth, standard width, length 13 cm
- 793303 F **Same**, slender, soft spring
- 793401 **Tissue Forceps**, 1 x 2 teeth, standard width, length 14.5 cm
- 793402 **Same**, medium
- 793403 **Same**, narrow
- 793601 **Tissue Forceps**, 1 x 2 teeth, standard width, length 16 cm
- 750111 **Tissue Forceps**, 1 x 2 teeth, width 2 mm, length 20 cm
- 750112 **Same**, width 3.5 mm
- 750123 **Tissue Forceps**, 2 x 3 teeth, width 4.5 mm, length 20 cm

Artery Forceps



- 535010 **Baby “Mosquito” Forceps,**
straight, extra slender, length 10 cm
- 535012 **HALSTEAD “Mosquito” Artery Forceps,**
straight, length 12.5 cm
- 535112 **Same,** micro-model
- 535212 **HALSTEAD “Mosquito” Artery Forceps,**
curved, length 12.5 cm
- 535312 **Same,** micro-model
- 535412 **HALSTEAD “Mosquito” Artery Forceps,**
straight, 1 x 2 teeth, length 12.5 cm
- 535612 **Same,** curved
- 535812 **DE BAKEY “Mosquito” Artery Forceps,**
atraumatic, curved, length 12 cm
- 536014 **Artery Forceps, PROVIDENCE model,**
delicate, straight, length 14 cm
- 536214 **Same,** curved



- 536414 CRILE **Artery Forceps**, straight, length 14 cm
- 536514 **Same**, curved
- 536909 **Dissecting and Ligature Forceps**, straight, smooth jaws, length 9.5 cm
- 536914 KELLY **Artery Forceps**, curved, length 14 cm
- 536916 **Same**, length 16 cm
- 537014 **Dissecting Forceps**, straight, without ratchet, length 14 cm
- 537214 **Same**, slightly curved
- 537314 **Same**, strongly curved
- 539330 **Bulldog Clamp**, curved, length 5 cm

Artery Forceps



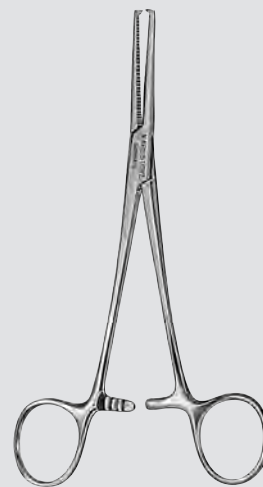
794014 –
794018



794214
794216



794228



794514
794516

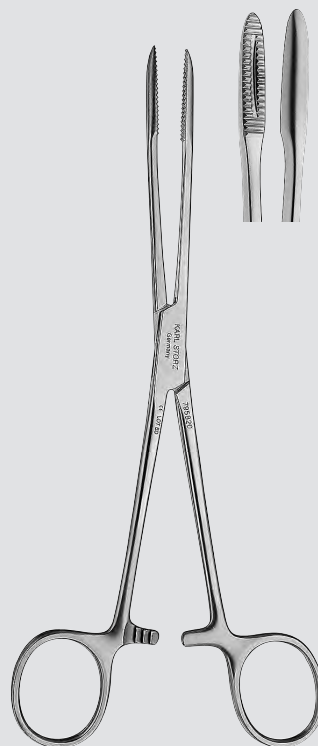
- 794014 ROCHESTER-PEAN **Artery Forceps**, straight, length 14 cm
- 794016 **Same**, length 16 cm
- 794018 **Same**, length 18 cm
- 794214 ROCHESTER-PEAN **Artery Forceps**, curved, length 14 cm
- 794216 **Same**, length 16 cm
- 794228 ADSON **Artery Forceps**, curved 90°, slender, length 18 cm
- 794514 OCHSNER-KOCHER **Artery Forceps**, straight, 1 x 2 teeth, length 14 cm
- 794516 **Same**, length 16 cm



795015



795115



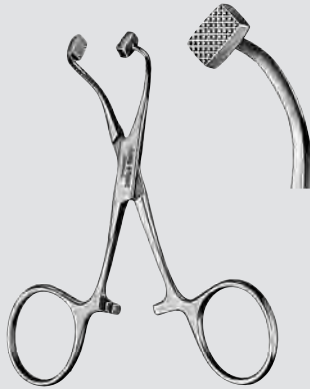
795820

- 795015 ALLIS **Forceps**, 4 x 5 teeth, length 15 cm
- 795115 BRAUN **Hook Forceps**, 4 x 4 teeth, length 15.5 cm
- 795820 GROSS **Dressing and Sponge Holding Forceps**, straight, with ratchet, length 20 cm

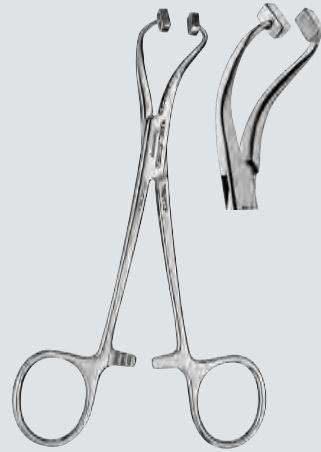
Towel Forceps



796008 –
796013



796109



796113



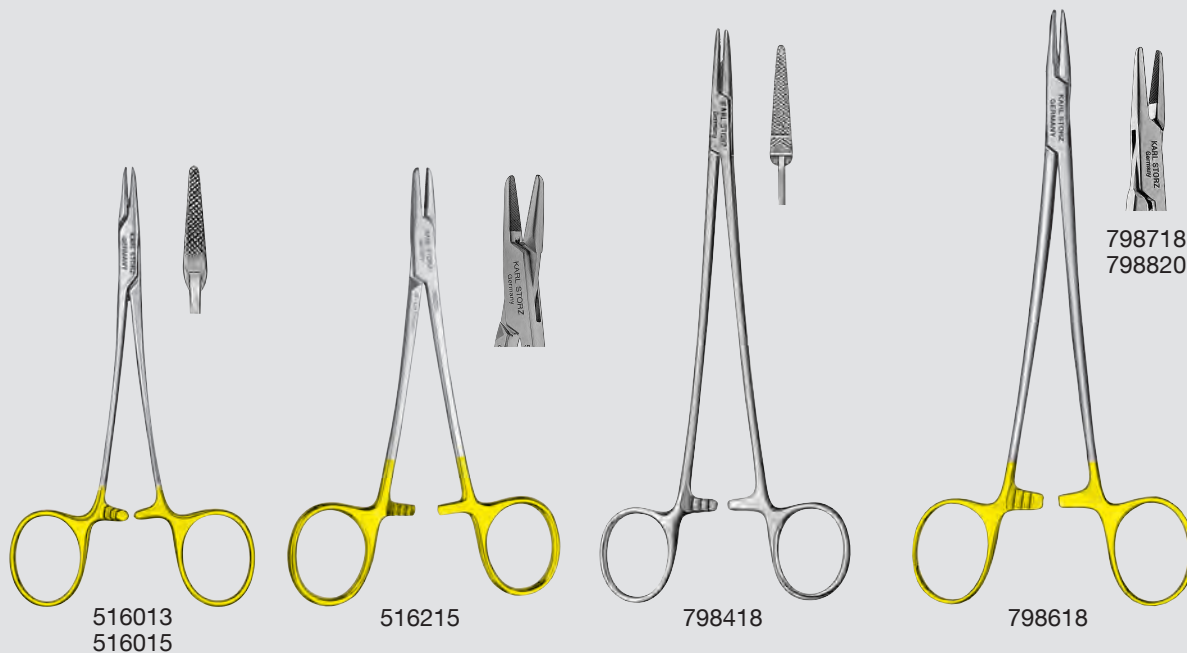
796413



796699

- 796008 BACKHAUS **Towel Forceps**, length 9 cm
- 796011 **Same**, length 11 cm
- 796013 **Same**, length 13 cm
- 796109 **Towel Forceps**, with serrated inserts, length 9.5 cm, for paper cover sheets
- 796113 **Towel Forceps**, with serrated inserts, length 13 cm, for paper cover sheets
- 796413 EDNA-LORNA **Towel Forceps**, serrated, non-perforating, length 13 cm
- 796699 **Safety Pin**, for holding ring handle instruments, length 14 cm

Needle Holders

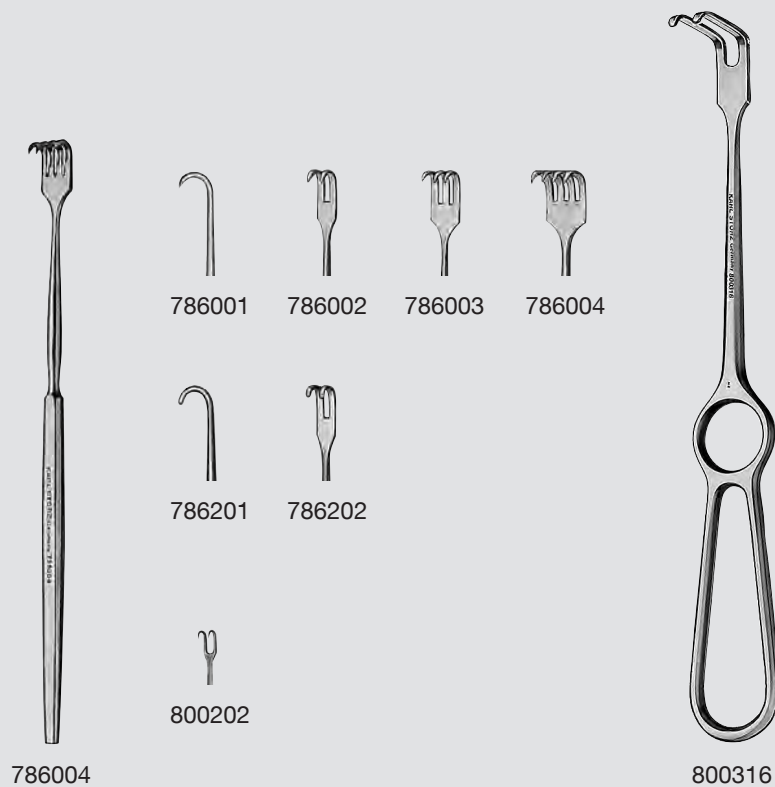


- 516013 **Needle Holder**, tungsten carbide inserts, length 13 cm
- 516015 **Same**, length 15 cm
- 516215 **MAYO-HEGAR Needle Holder**, tungsten carbide inserts, particularly robust, length 15 cm
- 798418 **HEGAR Needle Holder**, slender, length 18 cm
- 798618 **Same**, tungsten carbide inserts
- 798718 **HEGAR-MAYO Needle Holder**, tungsten carbide inserts, robust, length 18 cm
- 798820 **HEGAR Needle Holder**, tungsten carbide inserts, robust, length 20 cm

Needle Holders, Ligature Needles



- 798918 MAYO-HEGAR **Needle Holder**, tungsten carbide inserts, particularly robust, length 18 cm
- 798920 **Same**, length 20 cm
- 799016 DRAF **Micro Needle Holder**, extra fine, coated jaws, matt finish, polished handle rings, length 16.5 cm
- 800001 DESCHAMPS **Ligature Needle**, curved to right, length 20 cm
- 800002 **Same**, curved to left



- | | |
|--------|--|
| 786001 | Retractor , sharp, 1 prong, length 17 cm |
| 786002 | Same , 2 prongs |
| 786003 | Same , 3 prongs |
| 786004 | Same , 4 prongs |
| 786201 | Retractor , blunt, 1 prong, length 17 cm |
| 786202 | Same , 2 prongs |
| 800202 | Retractor , extra fine, sharp, 2 prongs, length 12 cm |
| 800316 | Retractor , KIEL model, blunt, 2 prongs, size 32 x 11 mm, length 21.5 cm, for parotis surgery |



800404



800402



800403



800404



800406



800502



800503



800504

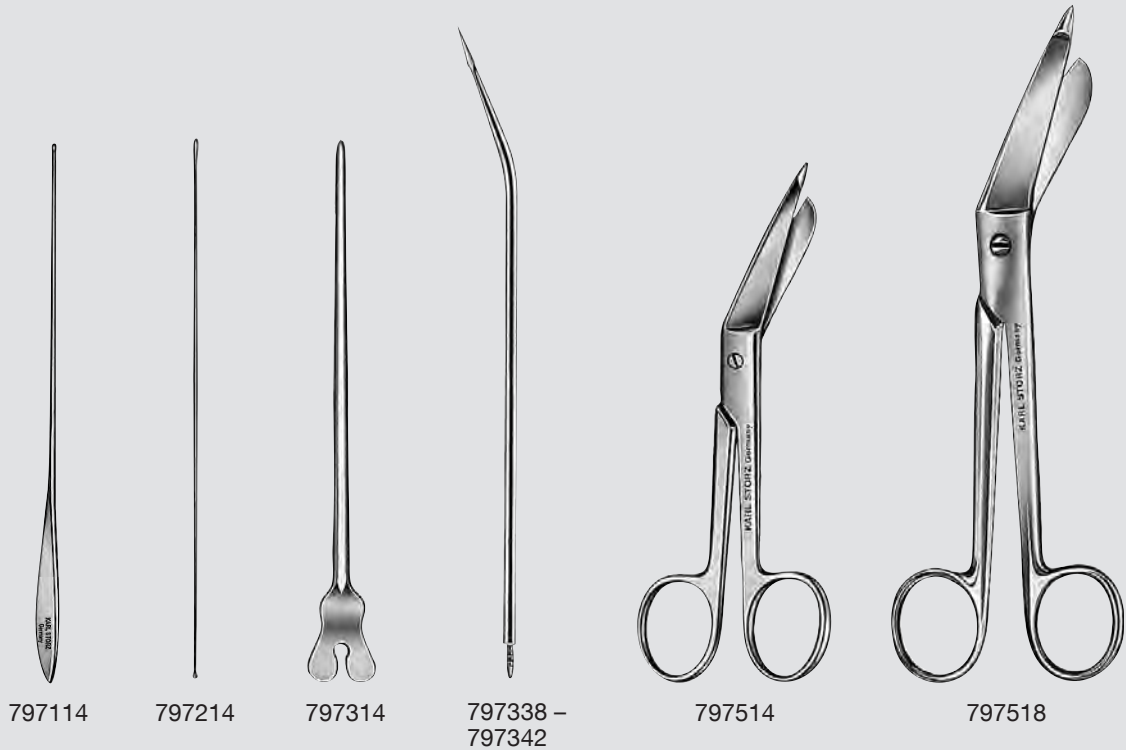


800506

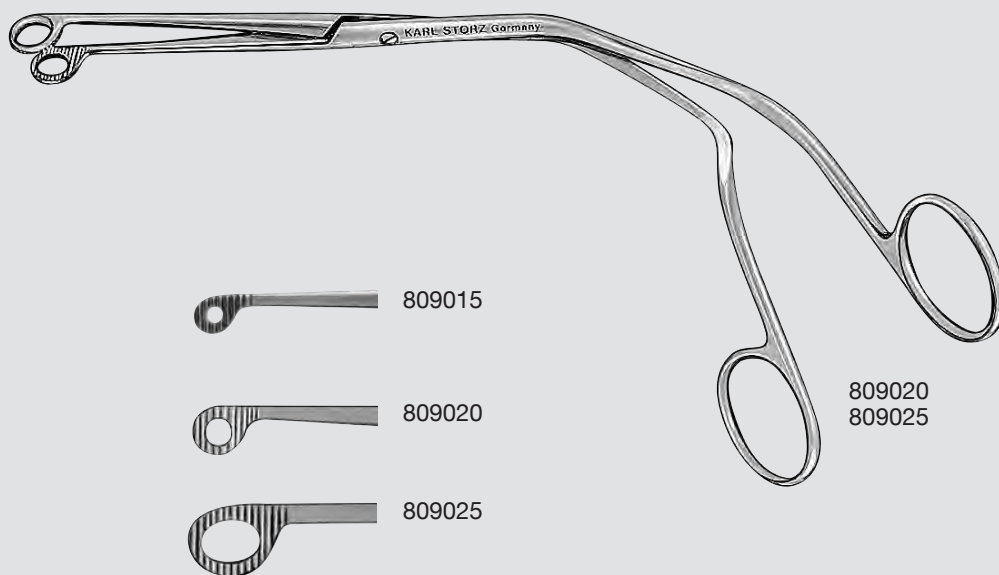
- 800402 VOLKMANN **Retractor**, sharp, 2 prongs, length 21.5 cm
- 800403 **Same**, 3 prongs
- 800404 **Same**, 4 prongs
- 800406 **Same**, 6 prongs
- 800502 VOLKMANN **Retractor**, blunt, 2 prongs, length 21.5 cm
- 800503 **Same**, 3 prongs
- 800504 **Same**, 4 prongs
- 800506 **Same**, 6 prongs



- 801403 ISRAEL **Retractor**, blunt, 3 prongs, size 36 x 30 mm, length 22 cm
- 801404 ISRAEL **Retractor**, blunt, 4 prongs, size 40 x 40 mm, length 24 cm
- 801600 LANGENBECK **Retractor**, oval blade, size 60 x 20 mm, length 21.5 cm
- 801700 **Same**, rectangular blade
- 801800 LANGENBECK **Retractor**, size 33 x 14 mm, length 22 cm



- 797114 **Myrtle Leaf Probe**, diameter 1.5 mm, length 14.5 cm
- 797214 **Bulbous Probe**, diameter 1.5 mm, length 14.5 cm
- 797314 **Grooved Director**, length 14.5 cm
- 797338 **Redon Guide Needle**, angled,
with lancet tip, 8 Fr.
- 797340 **Same**, 10 Fr.
- 797342 **Same**, 12 Fr.
- 797514 **LISTER Bandage Scissors**, length 14 cm
- 797518 **Same**, length 18 cm



- 809015 **MAGILL Forceps**, for the introduction of endo-tracheal tubes, for infants and small children, length 15 cm
- 809020 **MAGILL Forceps**, for the introduction of endo-tracheal tubes, for children, length 20 cm
- 809025 **Same**, for adults, length 25 cm



810802



810805



810806



810810



810820



810830



810840



810803



820517 – 820527

- 810802 **Medicine Cup**, 25 cm³, diameter 60 mm, height 28 mm
- 810805 **Medicine Cup**, 50 cm³, diameter 57 mm, height 47 mm
- 810806 **Medicine Cup**, 60 cm³, diameter 70 mm, height 33 mm
- 810810 **Medicine Cup**, 100 cm³, diameter 80 mm, height 30 mm
- 810820 **Medicine Cup**, 200 cm³, diameter 100 mm, height 50 mm
- 810830 **Medicine Cup**, 300 cm³, diameter 95 mm, height 65 mm
- 810840 **Medicine Cup**, 400 cm³, diameter 130 mm, height 65 mm
- 810803 **Medicine Cup**, stainless steel, diameter 65 mm, height 20 mm
- 820517 **Kidney-Shaped Dressing Tray**, stainless steel, length 17 cm
- 820525 **Same**, length 25 cm
- 820527 **Same**, length 27.5 cm



826101

826101

ENT Trolley for Visits, aluminium case, silver, weight: 5.5 kg, with spacious compartments for documents and notebook, inner dimensions (w x h x d): 420 x 360 x 190 mm

Recommended trolley contents:

094220	LED Headlight KS70 , white light, lightweight model, control unit and rechargeable battery box on headband, charging unit, illumination area adjustable from 30 – 150 mm in diameter with 40 cm working distance	400500	HARTMANN Nasal Speculum , for adults, length 13 cm
122003	HARTMANN Ear Speculum , standard model, outer diameter 3 mm, length 3.6 cm	402000	HALLE-TIECK Nasal Speculum , for infants, length 13 cm
2x 122004	Same , outer diameter 4 mm	403555	KILLIAN-STRUYCKEN Nasal Speculum , standard model, blade length 55 mm, length 13.5 cm
3x 122005	Same , outer diameter 5 mm	10x 740000	BRÜNINGS Tongue Depressor , length 19 cm
3x 122006	Same , outer diameter 6 mm	785005	BRÜNINGS Life-Saving Tube , outer diameter 5 mm, length 20 cm
122007	Same , outer diameter 7.5 mm	785007	Same , outer diameter 7 mm
150100	STACKE Ear Probe , length 10.5 cm	791202	Scissors , curved, sharp/blunt, length 14.5 cm
10x 151011	Cotton Applicator , standard model, triangular serrated, diameter 1.1 mm, working length 13 cm	792402	Dressing Forceps , medium, length 14.5 cm
3x 152301	Ear Hook , without ball end, size 1, length 15.5 cm	793402	Tissue Forceps , 1 x 2 teeth, medium, length 14.5 cm
2x 152202	WAGENER Ear Hook , with ball end, size 2, length 15.5 cm	1216 AA	HOPKINS® Straight Forward Telescope 0° , for oto-nasopharyngoscopy, diameter 4 mm, length 11 cm, autoclavable , fiber optic light transmission incorporated, color code: green
2x 153001	WEBER-LOCH Ear Curette , size 1, length 14.5 cm	11301 D4	Battery Light Source LED for Endoscopes , with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, suitable for wipe disinfection , for use with KARL STORZ endoscopes
2x 153310	BUCK Ear Curette , blunt, size 0, length 14.5 cm		
2x 153301	Same , size 1		
5x 156000	LUCAE Ear Forceps , bayonet-shaped, length 14.5 cm		
162500	STRÜMPEL Ear Forceps , dismantling, working length 8 cm		

Components/Spare Parts see chapter 13

Accessories for Oto-Rhino-Laryngoscopy

Antifog Solution



15006 C

15006 D

- | | |
|---------|---|
| 15006 C | “ULTRA STOP” Antifog Solution,
30 ml, sterile, pierce bottle |
| 15006 D | “ULTRA STOP” Antifog Solution,
15 ml, atomizer bottle |



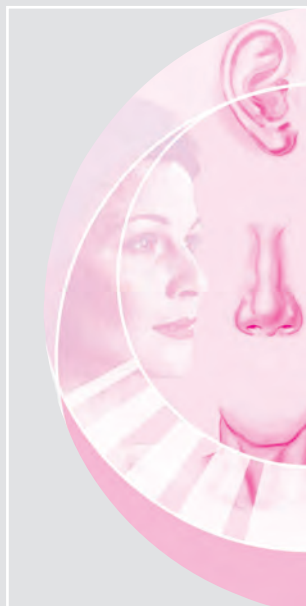
UNITS AND ACCESSORIES

SUCTION AND IRRIGATION SYSTEMS

MOTOR SYSTEMS

HIGH FREQUENCY SURGERY UNITS





- **SUCTION AND IRRIGATION SYSTEMS**
- **MOTOR SYSTEMS**
- **HIGH FREQUENCY SURGERY UNITS**

The units manufactured by KARL STORZ combine long-lasting precision mechanics with modern micro-electronic programmable controls. At KARL STORZ, a special emphasis is placed on user and patient safety. The quality assurance system of KARL STORZ is certified in accordance with the requirements of ISO 9001/EN 46001. It guarantees constant quality testing in the selection of materials and components. At the end of each manufacturing process, tests are carried out with automatic measuring and testing systems developed specially for this purpose. The results are recorded and logged. That gives each device a distinct “fingerprint” that can be checked at any time before and after it is delivered to the customer.

The standardized, modular design of KARL STORZ units was developed based on extensive ergonomic studies and is conceived for ease of care and cleaning and user-friendly practice, as well as to meet the demands of the special hygienic standards required in surgery. Clearly laid out adjacent function keys and displays are user-friendly and make it easier to constantly monitor actual and set parameters. Acoustic and visual warning signals also assist the user. The settings can be changed manually at any time. Automatic microelectronic control systems relieve surgeons in their work and lets them fully concentrate on medical procedures.

The entire KARL STORZ product line includes the following categories of units with accessories:

- **Insufflators**
- **Suction and Irrigation Systems**
- **Motor Systems**
- **Lithotripsy Systems**
- **HF Surgery Units**



■ **SUCTION AND IRRIGATION SYSTEMS**
ENDOMAT® SELECT

ENDOMAT® SELECT

Roller pump for cleaning lenses

Special Features:

- Roller pump system for cleaning lenses and continuous irrigation
- Max. flow rate: 130 ml/min
- Fields of application can be expanded at any time
- Easy handling of unit and accessories
- Interdisciplinary use
- With connection possibilities to the KARL STORZ Communication Bus (KARL STORZ-SCB)



ENDOMAT® SELECT

Roller pump for cleaning lenses,
Recommended Standard Set Configuration



Basic Unit:

UP 210 **ENDOMAT® SELECT**, suction or irrigation pump, incl. mains cord, power supply 100 – 240 VAC, 50/60 Hz

20 0142 30 **One-Pedal Footswitch**, digital, two-stage, for activating a higher flow for improved visibility

Software Module for Surgery:

UP 606 **ENT Software, Licence**, allows selection of the procedure “CLEARVISION®”, for use with ENDOMAT® SELECT UP 210

Specifications:

Software package	ENT
Flow max.	130 ml/min
Power supply	100 – 240 VAC, 50/60 Hz
Weight	4.7 kg
Parameter display	- Set flow - Actual flow

Operating mode	Lens irrigation
Dimensions w x h x d	305 x 110 x 260 mm
Certified to	IEC 60601-1, CE acc. to MDD

Note:

The ENDOMAT® SELECT only functions after uploading a software module (e.g., UP 606). When placing an order for this system, please consult Configuration Flyer 96321003.

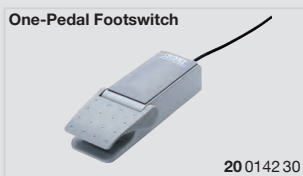
For further information on ENDOMAT® SELECT UP 210 and its successor model UP 220 see the online catalog SUCTION AND IRRIGATION SYSTEMS at www.karlstorz.com

Optional Accessories for ENDOMAT® SELECT see page 331

ENDOMAT® SELECT

System Components

SUCTION AND IRRIGATION SYSTEMS



UNIT SIDE

PATIENT SIDE



ENDOMAT® SELECT

Optional Accessories



031529-10*

Tubing Set for Irrigation, CV, sterile, for single use, package of 10, for use with ENDOMAT® SELECT UP 210 and ENDOMAT® SELECT UP 220

STERILE



UP 610

ADVANCED Package, Software, License, extends functions of installed software packages, for use with ENDOMAT® SELECT UP 210



20 3000 52

Suction Bottle, 1.5 l, sterilizable

20 3000 50

Suction Bottle, 5 l, sterilizable

20 3000 34

Bottle Cap, for suction bottles 1.5 l and 5 l, sterilizable

20 3001 30

Bottle Stand, for suction bottle 1.5 l or irrigation bottle 1 l

20 3000 32

Bottle Stand, for suction bottle 5 l

20 3000 33

Bottle Stand Holder, for Bottle Stand 20 3000 32



20 0142 30

One-Pedal Footswitch, digital, two-stage, for activating a higher flow for improved visibility



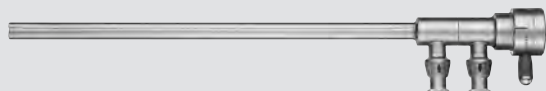
20 0900 70

SCB Connecting Cable, length 30 cm

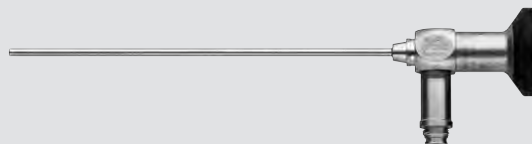
ENDOMAT® SELECT

Suction-Irrigation Sheaths for use with ENDOMAT® SELECT

Suction-Irrigation Sheath, proximally reinforced,
for use with Holding System 28272 RKB



Compatible HOPKINS® Telescopes



Detail	Order no.	Outer diameter	Working length	Order no.	Direction of view	Outer diameter	Length
	7220 AS	4.8 x 3.7 mm	10 cm	7220 AA	0°	3 mm	14 cm
	7220 BS	4.8 x 3.7 mm	10 cm	7220 BA	30°	3 mm	14 cm
	7220 FS	4.8 x 3.7 mm	10 cm	7220 FA	45°	3 mm	14 cm
	7220 CS	4.8 x 3.7 mm	10 cm	7220 CA	70°	3 mm	14 cm
	7230 AS	4.8 x 6 mm	14 cm	7230 AA	0°	4 mm	18 cm
	7230 BS	4.8 x 6 mm	14 cm	7230 BA	30°	4 mm	18 cm
	7230 FS	4.8 x 6 mm	14 cm	7230 FA	45°	4 mm	18 cm
	7230 CS	4.8 x 6 mm	14 cm	7230 CA	70°	4 mm	18 cm
	7219 AS	3.5 x 4.7 mm	14 cm	7229 AA	0°	2.7 mm	18 cm
	7219 BS	3.5 x 4.7 mm	14 cm	7229 BA	30°	2.7 mm	18 cm
	7219 FS	3.5 x 4.7 mm	14 cm	7229 FA	45°	2.7 mm	18 cm
	7219 CS	3.5 x 4.7 mm	14 cm	7229 CA	70°	2.7 mm	18 cm

723527 L **Cleaning Tube**, for suction/telescope channel, LUER-Lock, length 24 cm, for use with LASER Rhinoscope Sheaths 722010 A/B as well as Suction and Irrigation Sheaths 7207 AS/BS/CS, 7219 AS/BS/CS/FS and 7220 AS/BS/CS/FS

723540 L **Cleaning Tube**, for suction/telescope channel, LUER-Lock, length 23 cm, for use with Suction and Irrigation Sheaths 7230 AS/BS/CS/FS

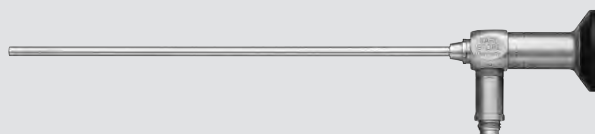
ENDOMAT® SELECT

Suction-Irrigation Sheaths for use with ENDOMAT® SELECT

Suction-Irrigation Sheath, proximally reinforced,
for use with Clamping Jaw 28272 UKN

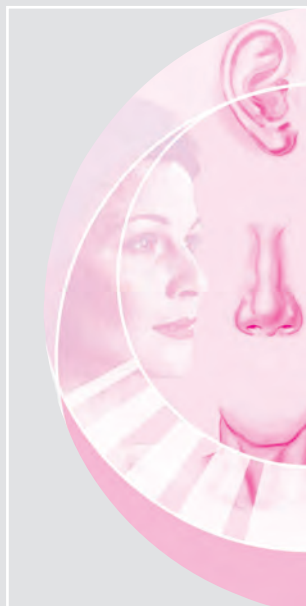


Compatible HOPKINS® Telescopes



Detail	Order no.	Outer diameter	Working length	Order no.	Direction of view	Diameter	Length
	7241 AS	4.8 mm	14 cm	7240 AA3D 7230 AA	0°	4 mm	18 cm
	7241 BS	4.8 mm	14 cm	7240 BA3D 7230 BA/BVA	30°	4 mm	18 cm
	7241 FS	4.8 mm	14 cm	7240 FA3D 7230 FA/FVA	45°	4 mm	18 cm

Fiber Optic Light Cables see the online catalog IMAGING at www.karlstorz.com
Container for the Sterilization and Storage of Telescopes see HYGIENE catalog



■ MOTOR SYSTEMS

UNIDRIVE® SELECT

INTRA Micro Motor 80k

INTRA Drill Handpieces

INTRA Burrs

HIGHDRIVE® and LIGHTDRIVE

High-Speed Drill Handpieces

High-Speed Burrs

STAPDRIVE®

DRILLCUT-X® II-35 Shaver Handpiece

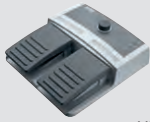
Shaver Blades

Sinus Burrs

Motor Systems

System Components

Two-Pedal Footswitch, wireless



UF 201W

Carrying Handle



ET92-1414421

Two-Pedal Footswitch



UF 201

Tubing Set



031531-10*

UNIT SIDE

PATIENT SIDE



Software for use with UNIDRIVE® SELECT UM 600

ENT UM 601

Software for use with ENDOMAT® SELECT UP 220

ENT UM 611

DRILLCUT-X® II-35 Shaver Handpiece



40 7120 35

HIGHDRIVE® High-Speed Micro Motor, large



20 3620 33

LIGHTDRIVE High-Speed Micro Motor, small



20 3630 33

STAPDRIVE® Micro Ear Burr



460000

Shaver Blades, reusable



High-Speed Handpieces, angled



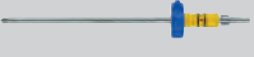
362681, 362682, 362683, 362684, 362680

INTRA Micro Motor

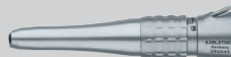


20 2610 33

Shaver Blades, for single use



High-Speed Handpiece, straight



362645

INTRA Drill Handpieces, angled



262570 262572

Sinus Burrs, for single use



INTRA Drill Handpiece, straight



262571

MOTOR SYSTEMS








UM 600 **UNIDRIVE® SELECT**, motor control unit with color display, touch screen control, two motor outputs, with integrated unit communication via KS HIVE®, incl. mains cord and connecting cable for KS HIVE®, power supply 100 – 240 VAC, 50/60 Hz



UP 220 **ENDOMAT® SELECT**, suction or irrigation pump, incl. mains cord, power supply 100 – 240 VAC, 50/60 Hz, with integrated unit communication via KS HIVE®

UNIDRIVE® SELECT

Accessories

	<p>UF 201 Two-Pedal Footswitch, one-stage</p>
	<p>UF 201W Two-Pedal Footswitch, one-stage, wireless including: Footswitch Receiver Power Supply</p>
	<p>ET92-1414421 Spare Parts Kit, carrying handle, 2 pedals</p>
	<p>031531-10* Tubing Set, irrigation, UNIDRIVE®, sterile, for single use, package of 10, for use with ENDOMAT® SELECT UP 220</p>
	<p>UP 611 ENT/NEURO/SPINE Software, license, allows irrigation for the UNIDRIVE® SELECT UM 600 motor system, for use with ENDOMAT® SELECT UP 220</p>
	<p>UM 601 ENT Software, license, allows the use of shaver handpieces, micro ear drills, high-speed and INTRA motors, for use with UNIDRIVE® SELECT UM 600</p>

STERILE 

MOTOR SYSTEMS



Accessories

for KARL STORZ drilling and grinding systems

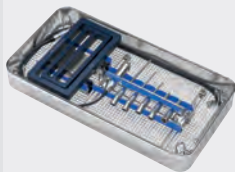


39552 A

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts



39552 B

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts
- Up to 36 drill bits and burrs
Rack 280030 included

280063

Lubricant Spray LUBRIFLUID, for maintenance of handpieces, contra-angles and air motors, package of 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950

280064

Cleaning Product AQUACARE, for instruments used with physiological fluid, package of 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950

Please note: The instruments displayed are not included in the wire trays.

INTRA Micro Motor 80k, INTRA Drill Handpieces

80,000 rpm, angled and straight



262570



262571



20 2610 33



262572

- 20 2610 33** **INTRA Micro Motor 80k**, for use with UNIDRIVE® SELECT UM 600 including:
INTRA Micro Motor 80k, without cable
INTRA Connecting Cable
- 262570** **INTRA Drill Handpiece**, angled, 80,000 rpm, length 70 mm, for use with INTRA Micro Motor 80k **20 2610 33** and straight shaft burs
- 262571** **INTRA Drill Handpiece**, straight, 80,000 rpm, length 70 mm, for use with INTRA Micro Motor 80k **20 2610 33** and straight shaft burs
- 262572** **INTRA Drill Handpiece**, angled, 80,000 rpm, length 125 mm, for use with INTRA Micro Motor 80k **20 2610 33** and straight shaft burs

Specifications for INTRA Micro Motor 80k 20261033:

Speed	4,000 - 80,000 rpm	Length	100 mm
Weight	120 g (without cable)	Torque	max. 40 mNm
Diameter	21 mm	Cable length	295 +/- 5 cm

Components/Spare Parts see chapter 13

INTRA Straight Shaft Burrs

length 70 mm, unsterile, reusable

For use with INTRA Drill Handpieces 262570, 262571



Detail	Dia. mm	Standard	Tungsten carbide	Transverse tung. carbide	Diamond	Diamond, coarse
	0.6	260006	261006	–	262006	–
	0.7	260007	261007	–	262007	–
	0.8	260008	261008	–	262008	–
	1.0	260010	261010	–	262010	–
	1.4	260014	261014	261114	262014	–
	1.8	260018	261018	–	262018	–
	2.3	260023	261023	261123	262023	262223
	2.7	260027	261027	–	262027	262227
	3.1	260031	261031	261131	262031	262231
	3.5	260035	261035	–	262035	262235
	4.0	260040	261040	261140	262040	262240
	4.5	260045	261045	–	262045	262245
	5.0	260050	261050	261150	262050	262250
	6.0	260060	261060	261160	262060	262260
	7.0	260070	261070	–	262070	262270

- 260000 **Standard Straight Shaft Burr**, stainless, sizes 006 – 070, length 7 cm, set of 15
- 261000 **Tungsten Carbide Straight Shaft Burr**, stainless, sizes 006 – 070, length 7 cm, set of 15
- 262000 **Diamond Straight Shaft Burr**, stainless, sizes 006 – 070, length 7 cm, set of 15
- 262200 **Rapid Diamond Straight Shaft Burr**, stainless, with coarse diamond coating, sizes 023 – 070, length 7 cm, set of 9, color code: gold
- 280030 **Rack**, for 36 straight shaft burrs with a length of 7 cm, foldable, sterilizable, size 22 x 11.5 x 2 cm

INTRA Straight Shaft Burrs

length 125 mm, unsterile, reusable

For use with INTRA Drill Handpiece 262572



Detail	Dia. mm	Standard	Diamond	Diamond, coarse
		sterilizable		
	1.4	649614 L	649714 L	–
	1.8	649618 L	649718 L	–
	2.3	649623 L	649723 L	649723 GL
	2.7	649627 L	649727 L	649727 GL
	3.1	649631 L	649731 L	649731 GL
	3.5	649635 L	649735 L	649735 GL
	4.0	649640 L	649740 L	649740 GL
	4.5	649645 L	649745 L	649745 GL
	5.0	649650 L	649750 L	649750 GL
	6.0	649660 L	649760 L	649760 GL
	7.0	649670 L	649770 L	649770 GL

649600 L **Standard Straight Shaft Burr**, stainless, size 014 – 070, length 12.5 cm, set of 11

649700 L **Diamond Straight Shaft Burr**, stainless, size 014 – 070, length 12.5 cm, set of 11

649700 GL **Rapid Diamond Straight Shaft Burr**, stainless, with coarse diamond coating, sizes 023 – 070, length 12.5 cm, set of 9, color code: gold

280034 **Rack**, for 36 straight shaft burrs with a length of 12.5 cm, foldable, sterilizable, size 22 x 17 x 2 cm

Burrs and Burr Accessories

length 70 mm, unsterile, reusable

Straight Shaft Burrs, cylindrical, barrel-shaped and bud-shaped



Dia. mm	Cylindrical	Barrel-shaped	Bud-shaped
2	–	262560	–
4	–	262561	–
5	265050	–	263050
6	265060	–	263060
7	265070	–	263070

LINDEMANN Burrs, conical, stainless, length 7 cm



Dia. mm	Conical, sterilizable
1.8	263518
2.1	263521
2.3	263523

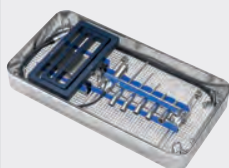


39552 A

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts



39552 B

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts
- Up to 36 drill bits and burrs
- Rack 280030 included

Please note: The instruments displayed are not included in the wire trays.

HIGHDRIVE® and LIGHTDRIVE

High-Speed Micro Motors

HIGHDRIVE®



20 3620 33

- 20 3620 33** **High-Speed Micro Motor**, large, max. speed 80,000 rpm, for use with UNIDRIVE® SELECT UM 600 including:
High-Speed Micro Motor, without cable
Cable for High-Speed Micro Motor, large

Specifications:

Speed	4,000 - 80,000 rpm	Length	77 mm
Weight	115 g	Torque	max. 40 mNm at 30,000 rpm
Diameter	21 mm	Cable length	295 +/- 5 cm

LIGHTDRIVE



20 3630 33

- 20 3630 33** **High-Speed Micro Motor**, small, max. speed 80,000 rpm, for use with UNIDRIVE® SELECT UM 600 including:
High-Speed Micro Motor, without cable
Cable for High-Speed Micro Motor, small

Specifications:

Speed	4,000 - 80,000 rpm	Length	74 mm
Weight	80 g	Torque	max. 15 mNm
Diameter	17 mm	Cable length	295 +/- 5 cm

High-Speed Drill Handpieces

angled, 80,000 rpm

For use with High-Speed Burrs and High-Speed Micro Motors
HIGHDRIVE® 20 3620 33 and LIGHTDRIVE 20 3630 33

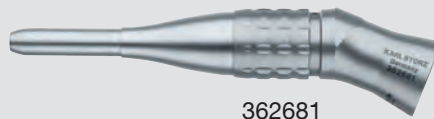


362680

80,000 rpm
diameter 8.1 mm

362680

High-Speed Drill Handpiece,
70 mm, angled, 80,000 rpm, with
integrated irrigation



362681

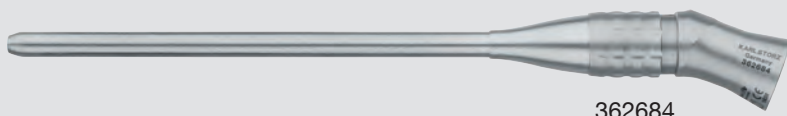
80,000 rpm
diameter 5.5 mm



362682



362683



362684

362681

High-Speed Drill Handpiece,
70 mm, angled, 80,000 rpm

362682

High-Speed Drill Handpiece,
95 mm, angled, 80,000 rpm

362683

High-Speed Drill Handpiece,
125 mm, angled, 80,000 rpm,
with integrated irrigation

362684

High-Speed Drill Handpiece,
150 mm, angled, 80,000 rpm

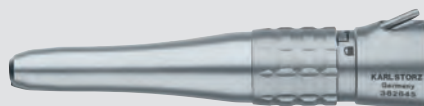
High-Speed Drill Handpieces

straight, 80,000 rpm

For use with High-Speed Burrs and High-Speed Micro Motors
HIGHDRIVE® 20 3620 33 and LIGHTDRIVE 20 3630 33

80,000 rpm

Ø 8.1 mm



362645

362645

High-Speed Drill Handpiece, 70 mm, straight,
80,000 rpm, with integrated irrigation

Accessories



39552 A

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts, for use with Rack 280030

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts



39552 B

Wire Tray, provides safe storage of accessories for KARL STORZ drilling/grinding systems during cleaning and sterilization, includes tray for small parts

for storage of:

- Up to 5 drill handpieces
- Micro motor
- Small parts
- Up to 36 drill bits and burs
- Rack 280030 included

280063

Lubricant Spray LUBRIFLUID, for maintenance of handpieces, contra-angles and air motors, package of 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950

280064





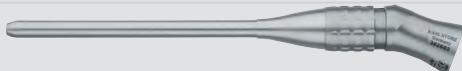
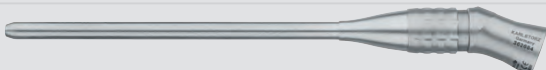
Cleaning Product AQUACARE, for instruments used with physiological fluid, package of 6x 500 ml bottles, - HAZARDOUS GOODS - UN 1950

Please note: The instruments displayed are not included in the wire trays.

High-Speed Burrs

80,000 rpm, sterile, for single use

For use with High-Speed Drill Handpieces

Length	High-Speed Drill Handpieces		
70 mm			
	362680	362681	362645
95 mm			
	362682		
125 mm			
	362683		
150 mm			
	362684		



High-Speed Standard Burrs, 80,000 rpm, sterile, for single use

STERILE 

Dia. mm	extra short package of 5	short	medium	long
	for use with 362680, 362681, 362645	for use with 362682	for use with 362683	for use with 362684
2.3	360123 ES	360123 S	360123 M	–
3.1	360131 ES	360131 S	360131 M	360131 L
4.0	360140 ES	360140 S	360140 M	360140 L
5.0	360150 ES	360150 S	360150 M	360150 L
6.0	360160 ES	–	360160 M	–
7.0	360170 ES	–	–	–



High-Speed Diamond Burrs, 80,000 rpm, sterile, for single use






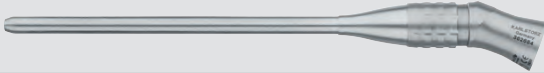
STERILE 

Dia. mm	extra short	short	medium	long
	for use with 362680, 362681, 362645	for use with 362682	for use with 362683	for use with 362684
1.0	360210 ES	360210 S	360210 M	360210 L
1.8	–	–	–	360218 L
2.0	360220 ES	–	–	–
2.3	–	360223 S	360223 M	–
2.5	360225 ES	–	–	–
3.1	360231 ES	360231 S	360231 M	360231 L
4.0	360240 ES	–	360240 M	360240 L
5.0	360250 ES	–	–	–

High-Speed Burrs

80,000 rpm, sterile, for single use

For use with High-Speed Drill Handpieces

Length	High-Speed Drill Handpieces		
70 mm			
	362680	362681	362645
95 mm			
	362682		
125 mm			
	362683		
150 mm			
	362684		



High-Speed Diamond Burrs, coarse, 80,000 rpm, sterile, for single use

STERILE 

Dia. mm	extra short	short	medium	long
		for use with 362680, 362681, 362645	for use with 362682	for use with 362683
2.3	360323 ES	–	–	–
3.1	360331 ES	–	360331 M	360331 L
4.0	–	360340 S	360340 M	360340 L
5.0	–	360350 S	360350 M	360350 L



High-Speed Diamond Burrs, very coarse, 80,000 rpm, sterile, for single use




STERILE 

Dia. mm	extra short	short	medium	long
		for use with 362680, 362681, 362645	for use with 362682	for use with 362683
4.0	360340 ES	–	–	–
4.7	–	–	363347 M	–

High-Speed Burrs

50,000 rpm, unsterile, reusable, sterilizable

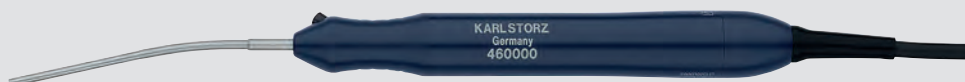
For use with High-Speed Drill Handpieces

Length	High-Speed Drill Handpieces		
70 mm			
	362680	362681	362645



Dia. mm	Standard	Diamond	Diamond, coarse	Tungsten carbide
	sterilizable			
0.5	–	–	–	340805
0.6	–	340206	–	–
0.8	340108	340208	–	340808
1	340110	340210	–	340810
1.4	340114	340214	–	340814
1.8	340118	340218	–	340818
2.3	340123	340223	340323	340823
2.7	340127	340227	340327	340827
3.1	340131	340231	340331	340831
3.5	340135	340235	340335	340835
4	340140	340240	340340	340840
5	340150	340250	340350	340850
6	340160	340260	340360	340860
7	340170	340270	–	340870

For use with Micro Ear Burrs 460xxx



460000

460000

Micro Ear Burr, 12k, incl. connecting cable,
for use with UNIDRIVE® SELECT UM 600

Specifications:

Speed	2,000 to 12,000 rpm
Weight	60 g (without cable)
Dimensions of drill guide	Diameter 2.1 mm / length 64.5 mm / 15° angle

Dimensions of handpiece	Diameter 15.5 mm / Total length 180 mm
Torque	max. 3 mNm
Cable length	295 +/- 5 cm

STAPDRIVE®

Micro Ear Burrs, 12,000 rpm, sterile, for single use



Tungsten Carbide Micro Ear Burr, 12,000 rpm, sterile, for single use

STERILE

Dia. mm	Package of 1	Color code	
0.5	460805	violet	
0.6	460806	blue	
0.7	460807	green	
0.8	460808	yellow	
1	460810	orange	
1.4	460814	gray	
1.8	460818	brown	
2.3	460823	red	



Diamond Micro Ear Burr, 12,000 rpm, sterile, for single use

STERILE

Dia. mm	Package of 1	Color code	
0.6	460206	blue	
0.7	460207	green	
0.8	460208	yellow	
1	460210	orange	
1.2	460212	black	
1.4	460214	gray	
1.8	460218	brown	
2.3	460223	red	

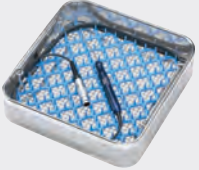

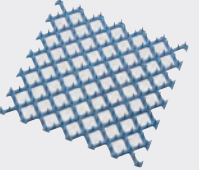


Diamond Perforator Micro Ear Burr, 12,000 rpm, sterile, for single use



STERILE

Dia. mm	Package of 1	Color code	
0.35	460203	black	

For use with STAPDRIVE® Micro Ear Burr 460000

	<p>39502 ZH Wire Tray for Cleaning, Sterilization and Storage of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): 240 x 250 x 66 mm</p>
	<p>39502 LH Lid</p>
	<p>39100 SH Silicone Grid Insert LARGE DIAMOND GRID, blue, extra wide mesh, for the storage of instruments in standard wire trays, plastic and sterilization containers, external dimensions: (w x d): 230 x 240 mm</p>

Optional:

	<p>39100 PS Fixation Pin, including screw and washer, to screw instruments into position in wire trays, height 38 mm, package of 12, for use with Silicone Tie-Downs 39360 AS</p>
	<p>39360 AS Silicone Tie-Downs, package of 12, for use with Fixation Pins 39100 PS and 39360 AP</p>

Please note: The instruments displayed are not included in the wire trays.

DRILLCUT-X® II-35 Shaver Handpiece

Special Features:

- Oscillation mode for shaver blades, max. 10,000 rpm
- Rotation mode for sinus burrs, max. 35,000 rpm
- Straight suction channel and integrated irrigation
- Variable handle allows connection with various handpiece models
- Quick coupling mechanism for exchanging working inserts
- Proven blade portfolios can be used



40 7120 35

40 7120 35 DRILLCUT-X® II-35 Shaver Handpiece,
for use with UNIDRIVE® S III ENT/NEURO,
UNIDRIVE® SELECT

Specifications:

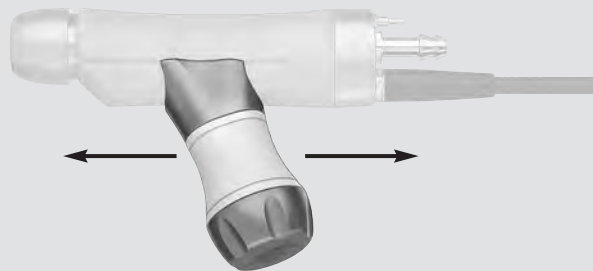
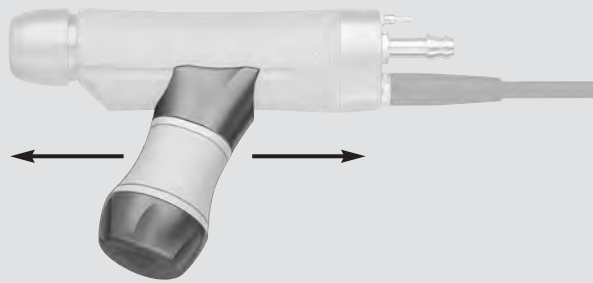
Speed (sinus burr)	1,500 to 35,000 rpm	Weight	371 g (with cable)
Speed (shaver blades)	900 to 10,000 rpm	Torque	max. 60 mNm

Handle for DRILLCUT-X® II Shaver Handpieces

for use with all DrillCut-X® II shaver handpieces

Special Features:

- Easy handle control allows individual adjustment
- Variable mounting options
- Fixation via rotary lock
- Suitable for use in washer and autoclavable at 134 °C



40 7120 90

40 7120 90 **Handle**, adjustable, for use with all DRILLCUT-X® II shaver handpieces

DRILLCUT-X® II-35 Shaver Handpiece

Accessories

	<p>40 7120 90 Handle, adjustable, for use with all DRILLCUT-X® II shaver handpieces</p>
	<p>41200 RA Cleaning Adaptor, LUER-Lock, for cleaning the inner and outer blades of DRILLCUT-X® accessories</p>
	<p>41250 RA Cleaning Adaptor, LUER-Lock, for cleaning DRILLCUT-X® / DRILLCUT-X® II shaver handpieces</p>
	<p>39550 A Wire Tray, provides safe storage of accessories for KARL STORZ paranasal sinus shaver systems during cleaning and sterilization</p> <p>for storage of:</p> <ul style="list-style-type: none"> - Up to 7 shaver attachments - Connecting cable
	<p>031531-10* Tubing Set, irrigation, UNIDRIVE®, sterile, for single use, package of 10, for use with ENDOMAT® SELECT UP 220</p>
	<p>280053 Universal Spray, 6x 500 ml bottles - HAZARDOUS GOODS - UN 1950 including: Spray Nozzle</p>

STERILE 

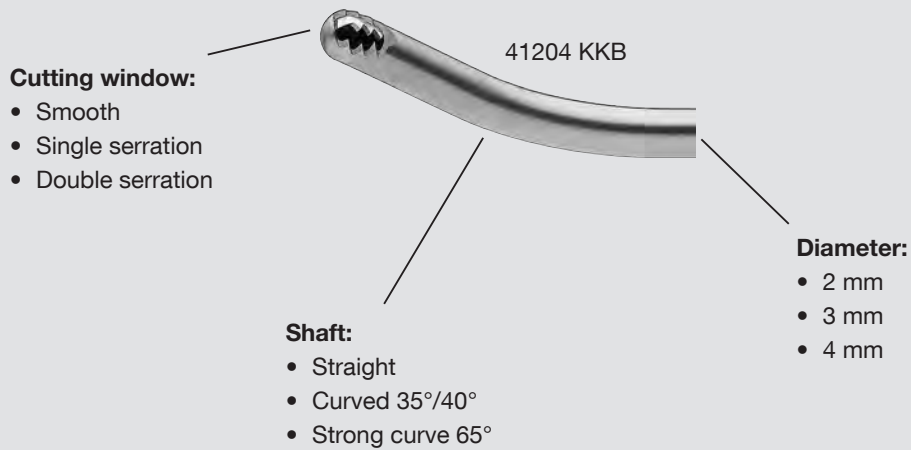


Please note: The instruments displayed are not included in the wire trays.

Shaver Blades

Benefits of shaver blades:

- Available either as a sterile single-use product or as a reusable version
- Straight working attachments, freely rotatable 360°



MOTOR SYSTEMS

Cleaning Adaptor for reusable shaver blades



41200 RA1



41200 RA2



41200 RA

Cleaning Adaptor, LUER-Lock, for cleaning the inner and outer blades of DRILLCUT-X® accessories

Included in delivery:

- 41200 RA1 **Cleaning Adaptor for Inner Blades**
- 41200 RA2 **Cleaning Adaptor for Outer Blades**

Shaver Blades, reusable, straight

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35





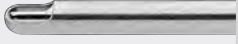


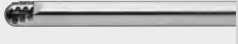
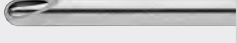


41201 GN



40 7120 35

Shaver Blades, straight, sterilizable

Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41201 KN	serrated cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-red
	41201 KK	double serrated cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41201 GN	concave cutting edge, oval cutting window, diameter 4 mm, color code: blue-green
	41201 LN	concave cutting edge, oblique cutting window, diameter 4 mm, color code: blue-black
	41201 SN	straight cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-blue
	41201 KSA	serrated cutting edge, rectangular cutting window, diameter 3 mm, color code: blue-red
	41201 KKSA	double serrated cutting edge, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41201 KKSB	double serrated cutting edge, rectangular cutting window, diameter 2 mm, color code: blue-yellow
	41201 LSA	concave cutting edge, oblique cutting window, diameter 3 mm, color code: blue-black

Shaver Blades, reusable, curved

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35



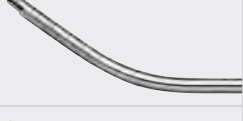


41204 KKB



40 7120 35

Shaver Blades, curved 35°/40°, sterilizable

Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41202 KN	curved 35°, cutting edge serrated backwards, rectangular cutting window, diameter 4 mm, color code: blue-red
	41204 KKF	curved 40°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41204 KKB	curved 40°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41204 KKFA	curved 40°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41204 KKBA	curved 40°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow

Shaver Blades, reusable, curved

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35











41203 KKF



40 7120 35

Shaver Blades, curved 65°, sterilizable

Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41203 KNF	curved 65°, cutting edge serrated forwards, rectangular cutting window, diameter 4 mm, color code: blue-red
	41203 KNB	curved 65°, cutting edge serrated backwards, rectangular cutting window diameter 4 mm, color code: blue-red
	41203 KKF	curved 65°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41203 KKB	curved 65°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41203 KKFA	curved 65°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41203 KKBA	curved 65°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41203 GNF	curved 65°, cutting edge concave forwards, oval cutting window, diameter 4 mm, color code: blue-green
	41203 GNB	curved 65°, cutting edge concave backwards, oval cutting window, diameter 4 mm, color code: blue-green

Shaver Blades, for single use, straight

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35

STERILE 









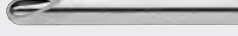


41301 KK



40 7120 35

Shaver Blades, straight, sterile, for single use, package of 5

Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41301 KN	serrated cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-red
	41301 KK	double serrated cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41301 GN	concave cutting edge, oval cutting window, diameter 4 mm, color code: blue-green
	41301 LN	concave cutting edge, oblique cutting window, diameter 4 mm, color code: blue-black
	41301 SN	straight cutting edge, rectangular cutting window, diameter 4 mm, color code: blue-blue
	41301 KSA	serrated cutting edge, rectangular cutting window, diameter 3 mm, color code: blue-red
	41301 KKSA	double serrated cutting edge, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41301 KKSB	double serrated cutting edge, rectangular cutting window, diameter 2 mm, color code: blue-yellow
	41301 LSA	concave cutting edge, oblique cutting window, diameter 3 mm, color code: blue-black

Shaver Blades, for single use, curved

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35

STERILE 



41302 KN



40 7120 35

Shaver Blades, curved 35°/40°, sterile, for single use, package of 5

Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41302 KN	curved 35°, cutting edge serrated backwards, rectangular cutting window, diameter 4 mm, color code: blue-red
	41304 KKF	curved 40°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41304 KKB	curved 40°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41304 KKFA	curved 40°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41304 KKBA	curved 40°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow

Shaver Blades, for single use, curved

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35

STERILE 











41303 KKB



40 7120 35

Shaver Blades, curved 65°, sterile, for single use, package of 5

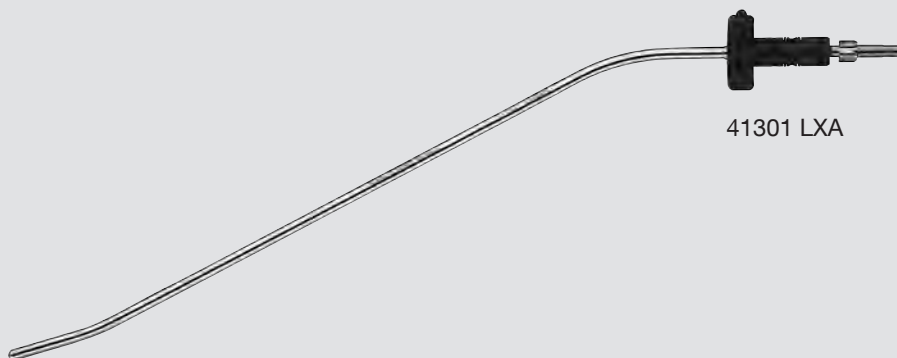
Detail	Order no.	Shaver Blade, with integrated irrigation, length 12 cm
	41303 KNF	curved 65°, cutting edge serrated forwards, rectangular cutting window, diameter 4 mm, color code: blue-red
	41303 KNB	curved 65°, cutting edge serrated backwards, rectangular cutting window, diameter 4 mm, color code: blue-red
	41303 KKF	curved 65°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41303 KKB	curved 65°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 4 mm, color code: blue-yellow
	41303 KKFA	curved 65°, cutting edge serrated forwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41303 KKBA	curved 65°, cutting edge serrated backwards, double serrated, rectangular cutting window, diameter 3 mm, color code: blue-yellow
	41303 GNF	curved 65°, cutting edge concave forwards, oval cutting window, diameter 4 mm, color code: blue-green
	41303 GNB	curved 65°, cutting edge concave backwards, oval cutting window, diameter 4 mm, color code: blue-green

Larynx Shaver Blades

for laryngeal surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35

STERILE 





41301 LXA



40 7120 35

Larynx Shaver Blades, sterile, for single use, package of 5

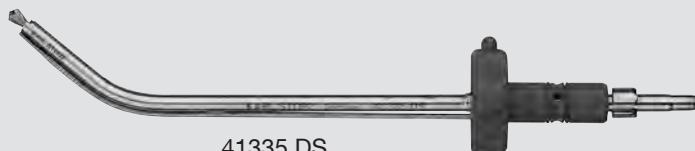
Detail	Detail	Larynx Shaver Blade, with integrated irrigation, length 27 cm
	41301 LX	distally curved 18°, proximally curved 30°, oval cutting edge, oval cutting window, diameter 4 mm color code: blue-green
	41301 LXA	distally curved 18°, proximally curved 30°, oval cutting edge, oval cutting window, diameter 3 mm color code: blue-green

Sinus Burrs 35k (35,000 rpm)

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35

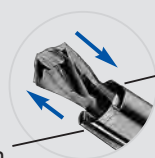
STERILE 



41335 DS








40 7120 35



Suction function

Irrigation function

Sinus Burrs 35k, sterile, for single use, package of 5

Detail	Order no.	Sinus Burr 35k, with integrated irrigation, length 12 cm
	41335 W	curved 40°, cylindrical, burr diameter 3 mm, shaft diameter 4 mm, color code: red
	41335 RN	curved 15°, bud drill, burr diameter 4 mm, shaft diameter 4 mm, color code: red
	41335 DW	curved 40°, diamond head, burr diameter 5 mm, shaft diameter 4 mm, color code: red
	41335 DT	curved 70°, diamond head, burr diameter 3.6 mm, shaft diameter 4 mm, color code: red
	41335 DS	curved 40°, diamond-shaped cutting, burr diameter 4 mm, shaft diameter 4 mm, color code: red

Sinus Burrs (12,000 rpm)

for paranasal sinus and extradural skull base surgery

For use with DRILLCUT-X® II-35 Handpiece 40 7120 35



41305 RN



40 7120 35

Sinus Burrs, sterile, for single use, package of 5

Detail	Order no.	Sinus Burr 12k, with integrated irrigation, length 12 cm
	41304 W	curved 40°, cylindrical, burr diameter 3 mm, shaft diameter 4 mm, color code: red-blue
	41303 WN	curved 55°, cylindrical, burr diameter 3.6 mm, shaft diameter 4 mm, color code: red-blue
	41305 RN	curved 15°, bud drill, burr diameter 4 mm, shaft diameter 4 mm, color code: red-black
	41305 DN	curved 15°, diamond head, burr diameter 3 mm, shaft diameter 4 mm, color code: red-yellow
	41305 D	curved 15°, diamond head, burr diameter 5 mm, shaft diameter 4 mm, color code: red-yellow
	41305 DW	curved 40°, diamond head, burr diameter 5 mm, shaft diameter 4 mm, color code: red-yellow
	41303 DT	curved 70°, diamond head, burr diameter 3.6 mm, shaft diameter 4 mm, color code: red-yellow



■ HIGH FREQUENCY SURGERY UNITS

AUTOCON® III 400

AUTOCON® III 300

AUTOCON® III 400 High-End

High Frequency Surgery Unit

STORZ
KARL STORZ — ENDOSKOPE

The high-end generator AUTOCON® III 400 is designed for use with both bipolar and unipolar instruments and also offer a high-resolution touch display.

A footswitch allows settings to be changed during surgery at a socket directly from the sterile area. Alternatively, two sockets with separate instruments can be controlled via a footswitch.

The maximum power of 400 Watt (unipolar and bipolar) is regulated by the generator. Only the amount of energy required for the desired tissue effect is emitted.

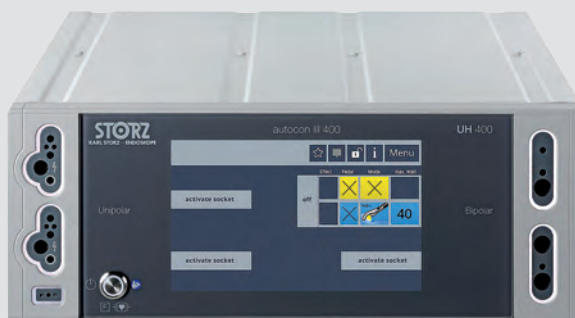
Benefits at a glance:

- Touch screen
- Interdisciplinary use
- 400 Watt unipolar and bipolar performance
- Neutral electrode monitoring
- Automatic control for smoke evacuation with the S-PILOT® from KARL STORZ
- Can be integrated into KARL STORZ OR1™



AUTOCON® III 400 High-End

High Frequency Surgery Unit



UH 400 **AUTOCON® III 400 High-End**, without CE certification, power supply 220 – 240 VAC, 50/60 Hz including:

Mains Cord

HF connecting sockets unipolar:

2x 3-pin US type
5 mm connector KARL STORZ/Erbe VIO
2x 4 mm connector (via footswitch)
BOVIE (via footswitch)

HF connecting sockets bipolar:

2x 2-pin US type (28.58)
3x KARL STORZ/Erbe VIO

Connecting socket:

Neutral Electrode 2-pol

Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU 300. System requirements: SCB-R-UI Software Release 20090001-46 or higher.

UH 400E **Same**, with CE certification, power supply 220 – 240 VAC, 50/60 Hz

UH 400U **Same**, without CE certification, power supply 100 – 127 VAC, 50/60 Hz

UH 400UE **Same**, with CE certification, power supply 100 – 127 VAC, 50/60 Hz

Specifications:

Max. power	Unipolar: 400 Watt (at 200 Ohm) Bipolar: 400 Watt (at 75 Ohm)	Output frequency	350 kHz/1 MHz
Power supply	220 – 240 VAC, 50/60 Hz (UH 400, UH 400E) 100 – 127 VAC, 50/60 Hz (UH 400U, UH 400UE)	Dimensions w x h x d	447 x 177 x 457 mm
Weight	12.5 kg	Certified to	IEC 60601-1
Sockets	Unipolar sockets: 2 Bipolar sockets: 2 (can be expanded to 3)		

Optional Accessories AUTOCON® III 400 High-End see page 374
Components/Spare Parts see chapter 13

AUTOCON® III 400 High-End

High Frequency Surgery Unit,
System Components

STORZ
KARL STORZ — ENDOSKOPE

One-Pedal HF Footswitch



UF 901

Two-Pedal HF Footswitch



UF 902

UNIT SIDE

PATIENT SIDE

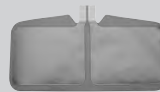


Connecting Cable



27806 US

Neutral Electrode



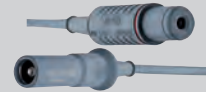
27802

Unipolar High Frequency Cord



26005 M

Bipolar High Frequency Cord



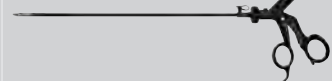
26176 LE

CLICKline® KELLY Dissecting and Grasping Forceps



33351 MD

ROBI® KELLY Dissecting and Grasping Forceps



38651 MD

Coagulation and Dissection Electrode, L-shaped



26775 UF

Bipolar Ball Electrode



26183 TZ

AUTOCON® III 300

High Frequency Surgery Unit

The AUTOCON® III 300 HF generator is the latest member of the KARL STORZ product family for HF surgery. With a maximum output of unipolar 400 Watt and bipolar 200 Watt, it offers all the basic functions required in electrosurgery.

The exterior of the HF generator is equipped with a bipolar and a unipolar jack as well as a socket for connecting the neutral electrode.

Benefits at a glance:

- Touch screen
- Interdisciplinary use
- 400 Watt unipolar and 200 Watt bipolar performance
- Neutral electrode monitoring
- Automatic smoke evacuation with the S-PILOT® from KARL STORZ
- Can be integrated into KARL STORZ OR1™

This generator also offers the possibility to adjust modes and settings via a footswitch from the sterile field.



AUTOCON® III 300

High Frequency Surgery Unit



UH 300 **AUTOCON® III 300**, without CE certification, power supply 220 – 240 VAC, 50/60 Hz including:

Mains Cord

HF connecting sockets unipolar:

3-pin US type
5 mm connector KARL STORZ/Erbe VIO

HF connecting sockets bipolar:

2-pin US type (28.58 mm)
2x KARL STORZ/Erbe VIO

Connecting socket:

Neutral Electrode 2-pol

Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU 300. System requirements: SCB-R-UI Software Release 20090001-46 or higher.

UH 300E **Same**, with CE certification, power supply 220 – 240 VAC, 50/60 Hz

UH 300U **Same**, without CE certification, power supply 100 – 127 VAC, 50/60 Hz

UH 300UE **Same**, with CE certification, power supply 100 – 127 VAC, 50/60 Hz

Specifications:

Max. power	Unipolar: 400 Watt (at 100 Ohm) Bipolar: 200 Watt (at 75 Ohm)	Output frequency	350 kHz/1 MHz
Power supply	220 – 240 VAC, 50/60 Hz (UH 300, UH 300E) 100 – 127 VAC, 50/60 Hz (UH 300U, UH 300UE)	Dimensions w x h x d	447 x 177 x 457 mm
Weight	11.8 kg	Certified to	IEC 60601-1
Sockets	Unipolar sockets: 1 Bipolar sockets: 1 (can be expanded to 2)		

Optional Accessories for AUTOCON® III 300 see page 374

Components/Spare Parts see chapter 13

AUTOCON® III 300

High Frequency Surgery Unit,
System Components

One-Pedal HF Footswitch



UF 901

Two-Pedal HF Footswitch



UF 902

UNIT SIDE

PATIENT SIDE

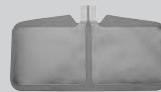


Connecting Cable



27806 US

Neutral Electrode



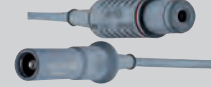
27802

Unipolar High Frequency Cord



26005 M

Bipolar High Frequency Cord



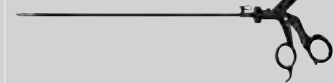
26176 LE

CLICKline® KELLY Dissecting and Grasping Forceps



33351 MD

ROBI® KELLY Dissecting and Grasping Forceps



38651 MD

Coagulation and Dissection Electrode, L-shaped



26775 UF

Bipolar Ball Electrode



26183 TZ

Optional Accessories

for AUTOCON® III 400 High-End and AUTOCON® III 300

For use with AUTOCON® III 300 and AUTOCON® III 400

	<p>UF 901 One-Pedal HF Footswitch, with button for switchover function, for use with HF generators</p>
	<p>UF 902 Two-Pedal HF Footswitch, with button for switchover function, for use with HF generators</p>
	<p>27806 US Neutral Electrode Connecting Cable, for use with Neutral Electrode 27802</p>
	<p>27802 Neutral Electrode, contact surface divided into two, A=169 cm², for single use, package of 50, for use with AUTOCON® 50/200/350, AUTOCON® II 400 all versions, AUTOCON® III 400 and AUTOCON® III 300, Connecting Cable 27806 US required </p>
	<p>26 5200 43 Electrode Handle, with 2 buttons for activating the unipolar generator, yellow button: unipolar cutting, blue button: unipolar coagulation, Connecting Cable 26 5200 45 required</p>
	<p>26 5200 45 High Frequency Cable, for Electrode Handle 26 5200 43, length 400 cm, for use with AUTOCON® III 400 and AUTOCON® III 300</p>

Accessories

Unipolar and Bipolar High Frequency Cords

Unipolar High Frequency Cords







KARL STORZ High Frequency
Instrument Surgery Unit

	26002 M	Unipolar High Frequency Cord , with 4 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type T older models and Ellman
	26004 M	Unipolar High Frequency Cord , with 4 mm plug, length 300 cm, compatible with Martin HF units
	26005 M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type ICC and Erbe VIO 301
	26006 M	Unipolar High Frequency Cord , with 8 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Valleylab models

Bipolar High Frequency Cords



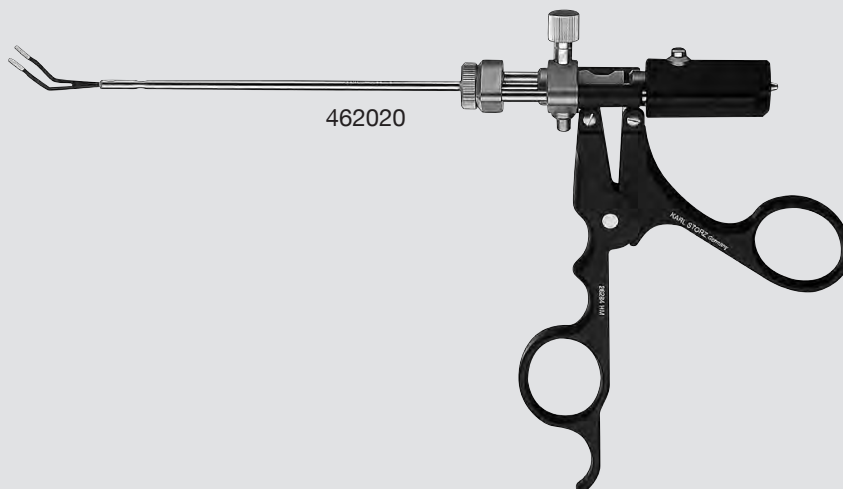
KARL STORZ High Frequency
Instrument Surgery Unit

	26176 LE	Bipolar High Frequency Cord , length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe-Coagulator, T and ICC series
	26176 LM	Bipolar High Frequency Cord , length 300 cm, compatible with Martin HF units
	26176 LV	Bipolar High Frequency Cord , length 300 cm, pin distance on unit side 28.58 mm, for AUTOCON® III and AUTOCON® II, compatible with Valleylab coagulators, for use with high frequency surgical units with bipolar sockets with 28.58 mm pin distance
	26176 LW	Bipolar High Frequency Cord , length 300 cm, pin distance on unit side 22 mm, compatible with high frequency surgical units with bipolar sockets with 22 mm pin distance

Please note: All high frequency cords of this page are delivered with a length of 300 cm. If a length of 500 cm is requested please add letter **L** to the part number, e. g. 26002 **ML**, 26176 **LVL**.

TAKE APART® Bipolar Forceps

For use with Bipolar High Frequency Cords 26176 LE/LM/L/LA/LV



462020

TAKE-APART® CASTELNUOVO Bipolar Forceps, with fine jaws, distally angled 45°, with irrigation connector for cleaning, width 2 mm, outer diameter 3.4 mm, working length 14 cm

including:

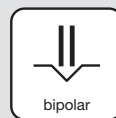
Bipolar Ring Handle

Outer Sheath

Inner Sheath

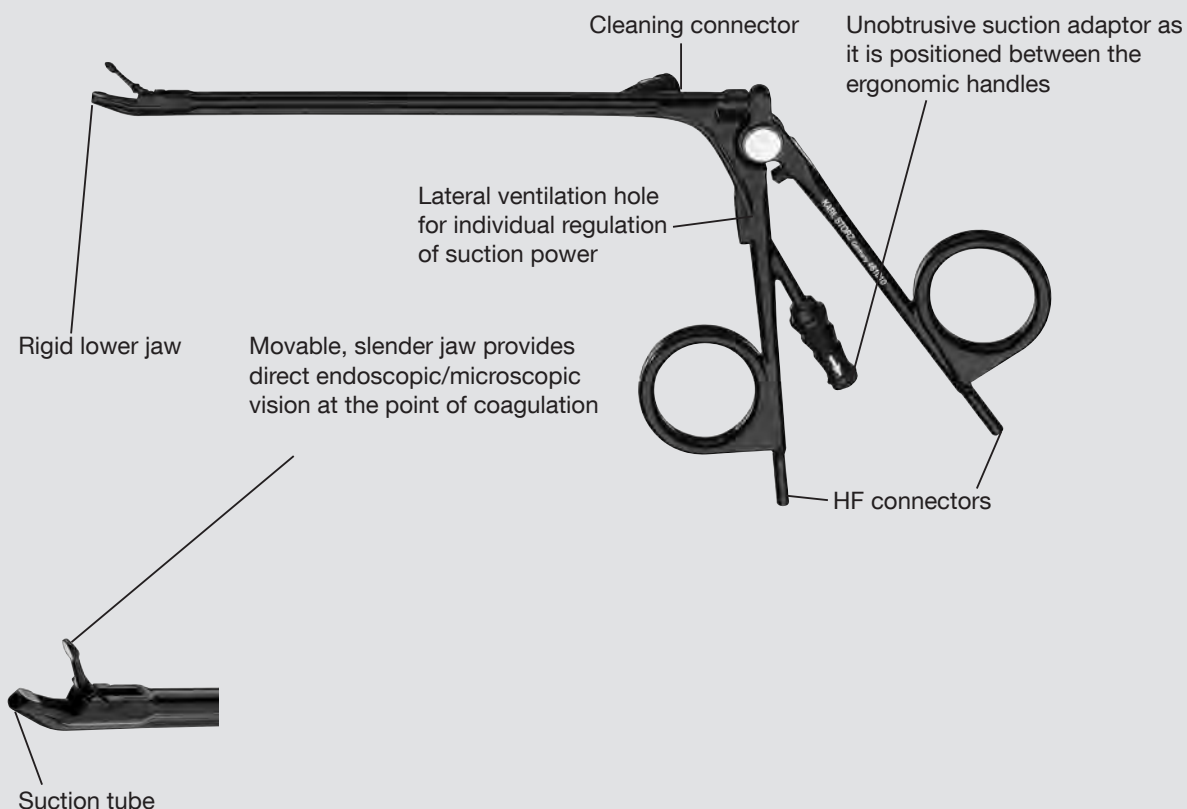
Forceps Insert

STAMMBERGER Bipolar Suction Forceps



Special Features:

- Design similar to standard paranasal grasping forceps
- Integrated suction channel
- Suction power regulation
- Bipolar coagulation
- Insulated except for small coagulation area on the instrument tip
- Single action jaws
- Distance between cautery poles may be varied, enabling punctual and extensive coagulation
- Design of the movable jaw provides direct endoscopic/microscopic vision at the point of coagulation
- Two instrument heads: angled 15° and 45° to the instrument sheath



STAMMBERGER Bipolar Suction Forceps

Indications/Applications:

- Arterial bleeding (ethmoidal, sphenopalatine and maxillary arteries, turbinate and septum vessels)
- Skull base surgery
- Oozing hemorrhage from the mucosa edges
- Vascular processes, e.g., nasopharyngeal fibroma
- Epistaxis
- Secondary hemorrhage, e.g., from adenotomes in the nasopharynx
- Edema prevention, shrinkage of mucosa (e.g., posterior end of the turbinate)
- Turbinate cauterization



461010



461010

STAMMBERGER **Bipolar Suction Forceps**, 15° upturned, with suction channel, for bipolar coagulation in paranasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 M/V/U



461015



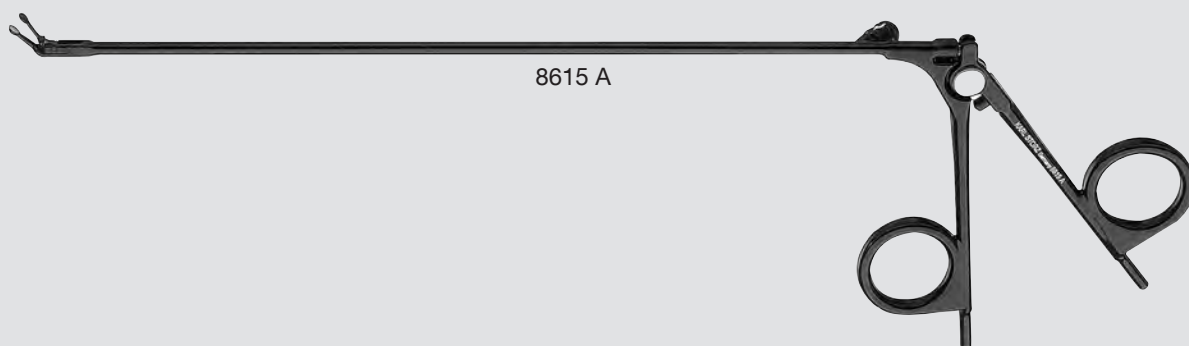
461015

STAMMBERGER **Bipolar Suction Forceps**, 45° upturned, with suction channel, for bipolar coagulation in paranasal areas, working length 12.5 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 M/V/U

Bipolar Forceps

Special Features:

- Bipolar coagulation
- Insulated except for small coagulation area on the instrument tip
- Single action jaws
- Distance between cautery poles may be varied
- With and without suction
- Special design of the movable jaw provides direct endoscopic/microscopic vision at the point of coagulation

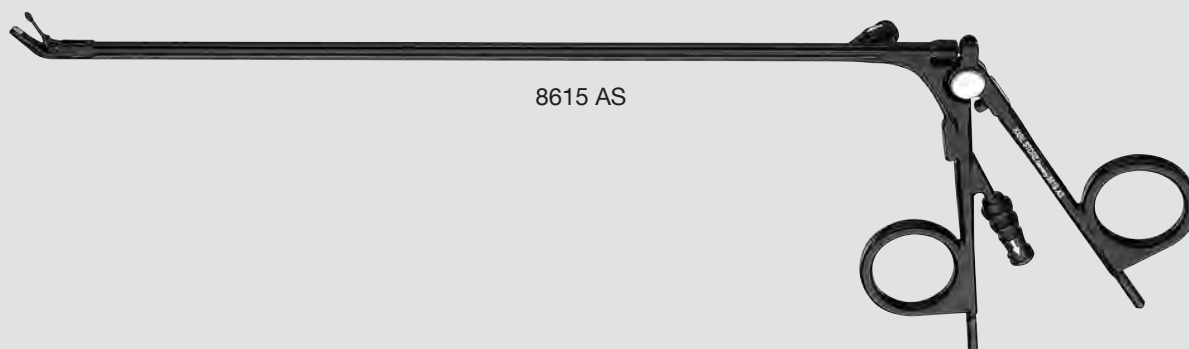


8615 A



8615 A

Bipolar Forceps, jaws 45° upturned, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 A/M/V/U



8615 AS



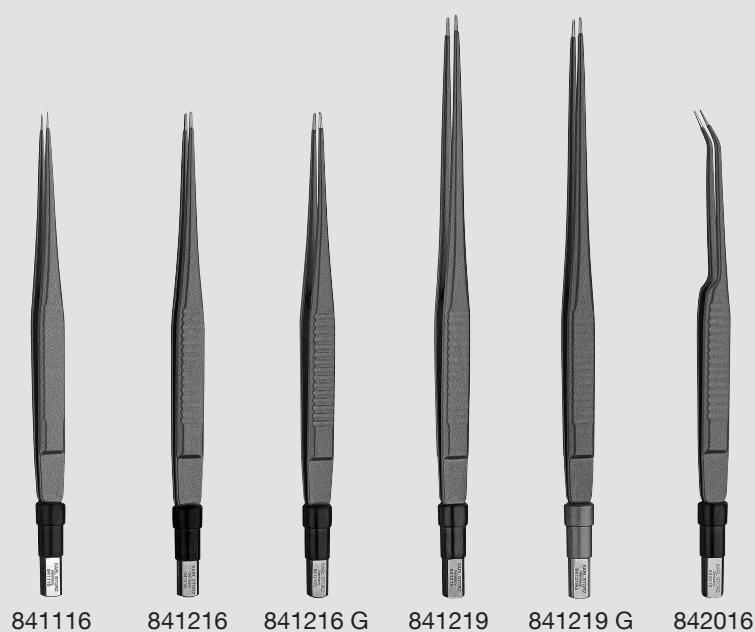
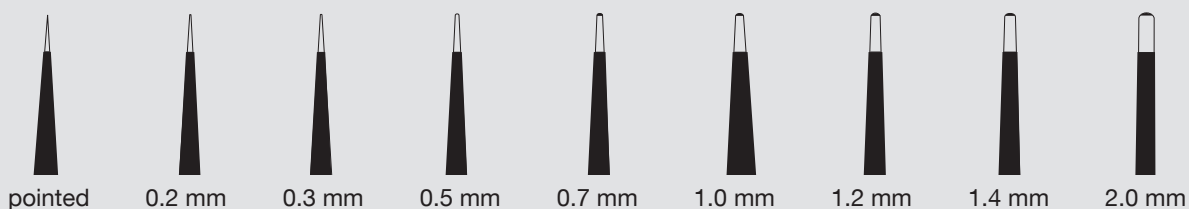
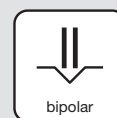
8615 AS

Bipolar Suction Forceps, jaws 45° upturned, with suction channel, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 A/M/V/U

Bipolar High Frequency Cords see page 375

Bipolar Coagulation Forceps

Bipolar Coagulation Forceps, insulated
For use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W

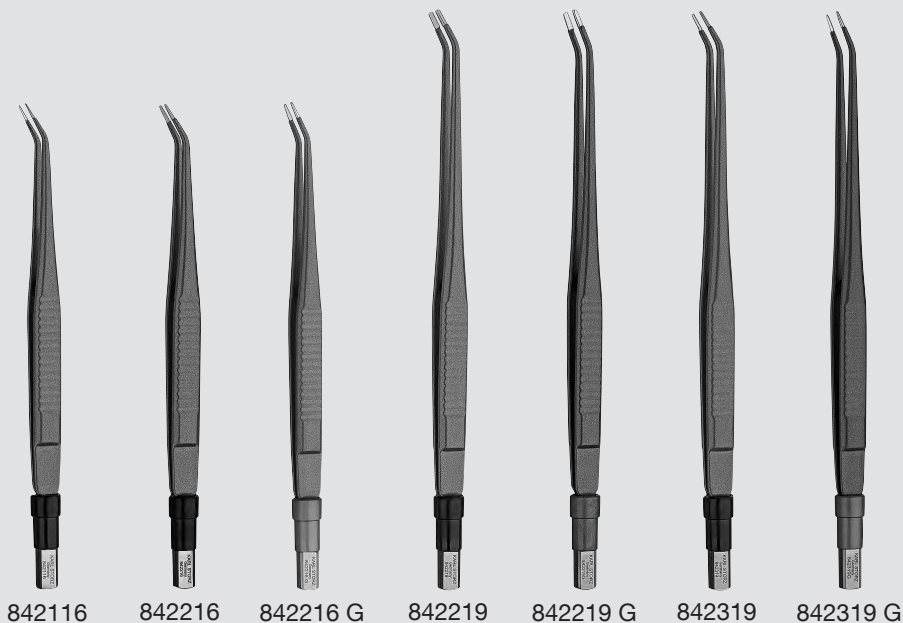


- 841116 **Bipolar Coagulation Forceps**, insulated, straight, pointed, length 16 cm
- 841216 **Same**, blunt, tip 1 mm
- 841216 G **Same**, blunt, **with silver tip**, tip 1 mm
- 841219 **Same**, blunt, tip 1 mm, length 19 cm
- 841219 G **Same**, blunt, **with silver tip**, tip 1 mm, length 19 cm
- 842016 **Bipolar Coagulation Forceps**, insulated, angled tip, very delicate, tip 0.5 mm, length 16 cm

Bipolar Coagulation Forceps

Bipolar Coagulation Forceps, insulated

For use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W

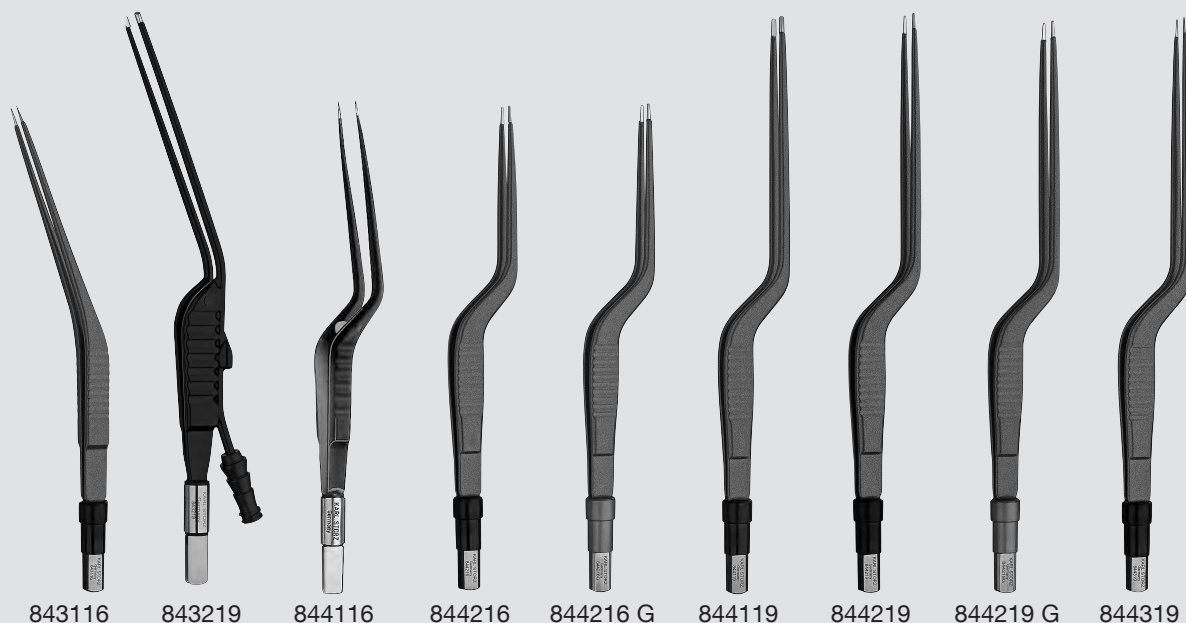
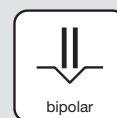


- 842116 **Bipolar Coagulation Forceps**, insulated, angled tip, tip 0.5 mm, length 16 cm
- 842216 **Bipolar Coagulation Forceps**, insulated, angled tip, blunt, tip 1 mm, length 16 cm
- 842216 G **Same, with silver tip**
- 842219 **Same**, blunt, tip 2 mm, length 19 cm
- 842219 G **Same, with silver tip**, tip 2 mm, length 19 cm
- 842319 **Same**, length 19 cm
- 842319 G **Same, with silver tip**, length 19 cm

Bipolar Coagulation Forceps

Bipolar Coagulation Forceps, insulated

For use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W



843116

843219

844116

844216

844216 G

844119

844219

844219 G

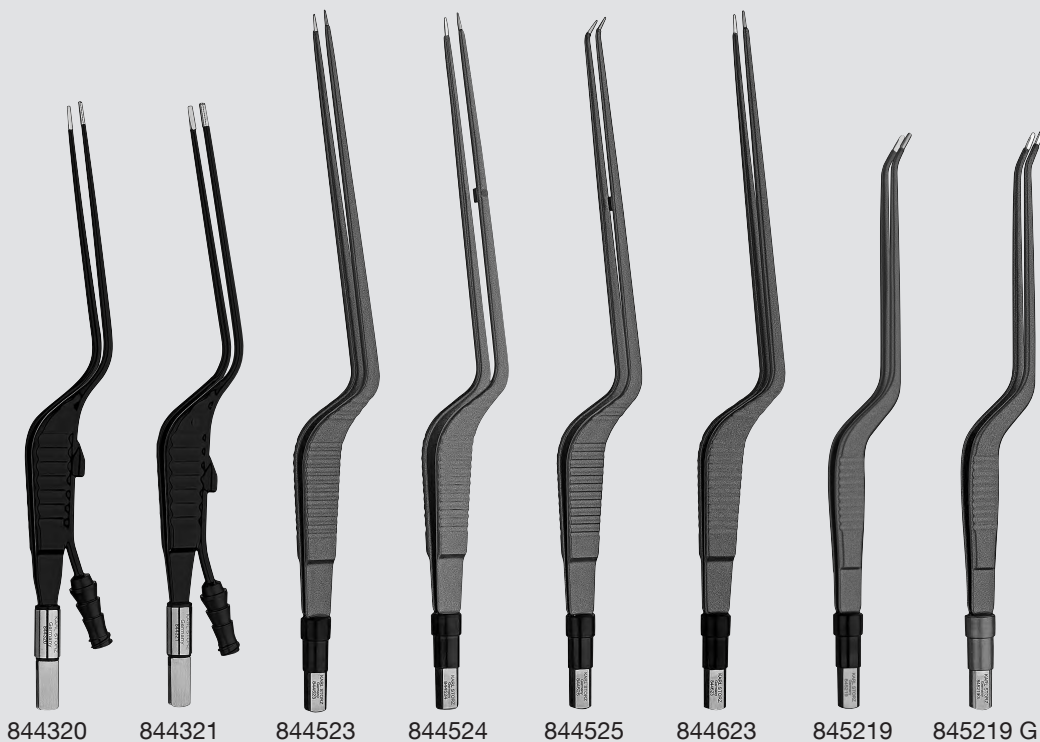
844319

- 843116 **Bipolar Coagulation Forceps**, insulated, angular, pointed, length 16 cm
- 843219 **Bipolar Coagulation Forceps**, insulated, angular, blunt, with integrated suction channel for epistaxis, with cut-off hole, length 19 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844116 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, pointed, length 16 cm
- 844216 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, blunt, tip 1 mm, length 16 cm
- 844216 G **Same**, blunt, **with silver tip**, tip 1 mm
- 844119 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, blunt, tip 2 mm, length 19 cm
- 844219 **Same**, blunt, tip 1 mm
- 844219 G **Same**, blunt, **with silver tip**, tip 1 mm
- 844319 **Same**, slender, tip 0.5 mm

Bipolar Coagulation Forceps

Bipolar Coagulation Forceps, insulated

For use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W

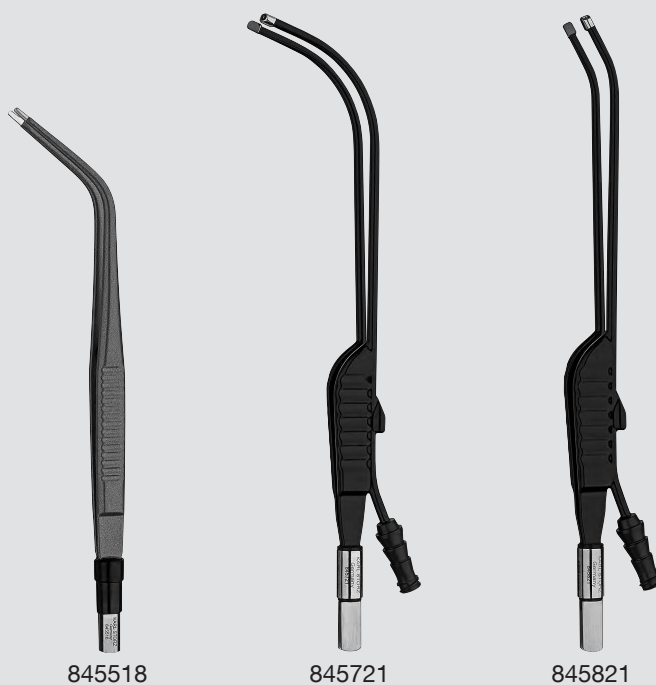
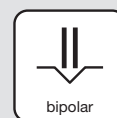


- 844320 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, blunt, with integrated suction channel and cut-off hole, tip 1.4 mm, length 20 cm
- 844321 **Same**, tip 2 mm
- 844523 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, tip 0.7 mm, length 23 cm
- 844524 **Bipolar Forceps**, bayonet-shaped, with bar, tip 0.7 mm, length 23 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844525 **Same**, angled
- 844623 **Bipolar Coagulation Forceps**, insulated, bayonet-shaped, blunt, tip 1.2 mm, length 23 cm
- 845219 **Bipolar Coagulation Forceps**, insulated, angled tip, bayonet-shaped, blunt, tip 2 mm, length 19 cm
- 845219 G **Same**, with silver tip

Bipolar Coagulation Forceps

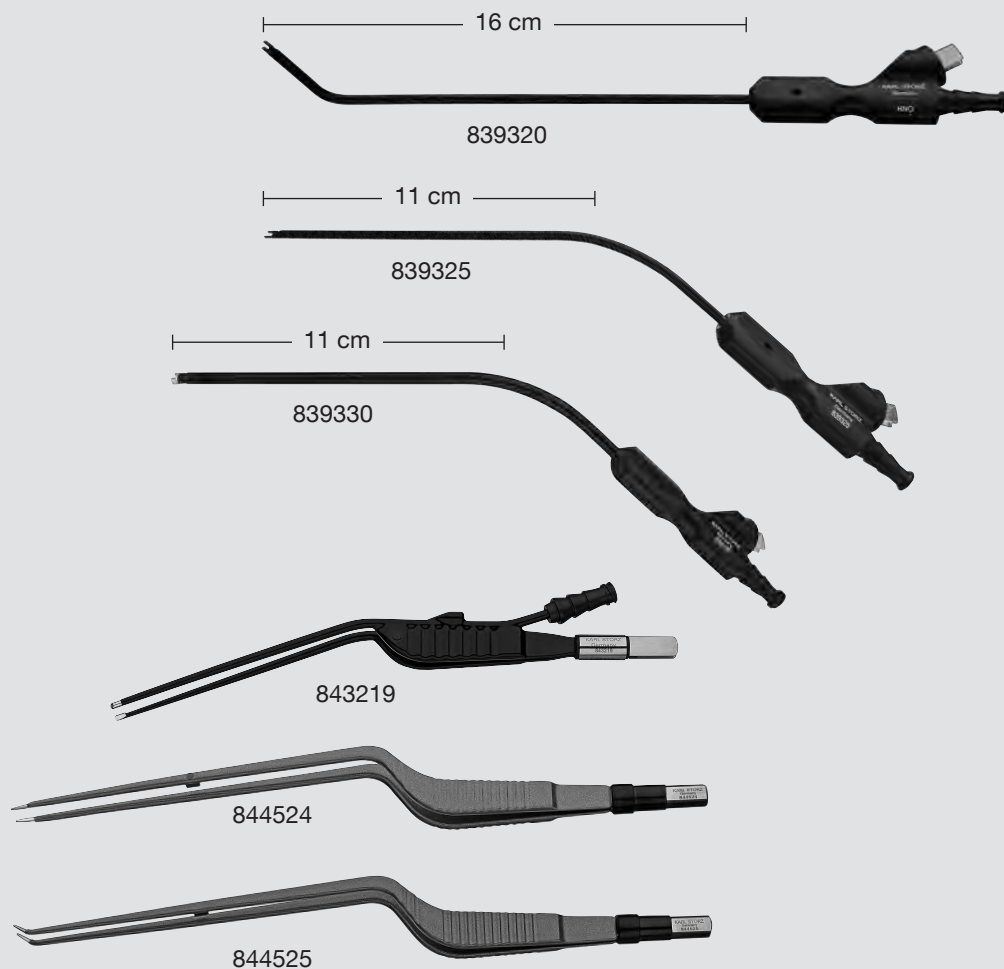
Bipolar Coagulation Forceps, insulated

For use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W



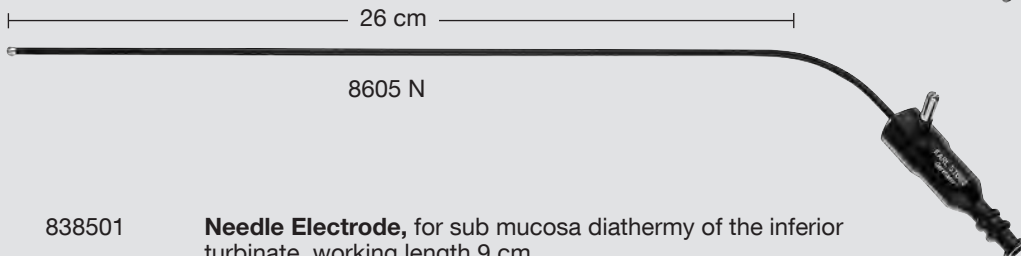
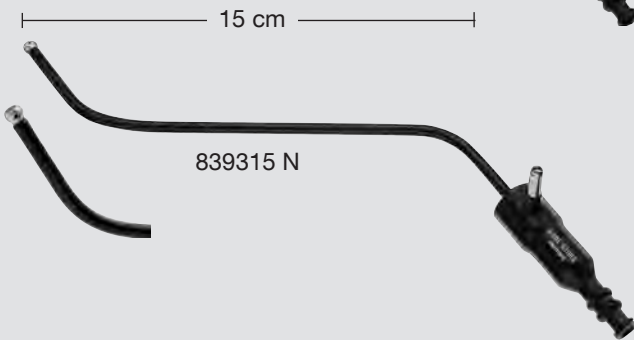
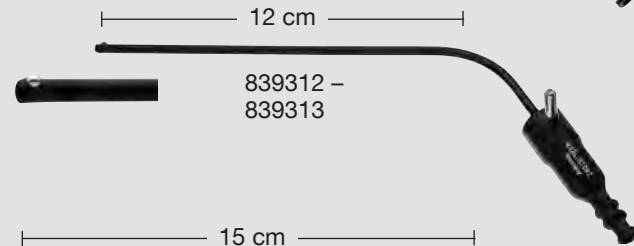
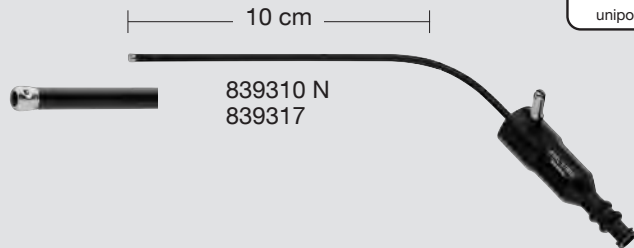
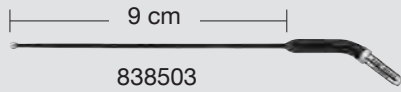
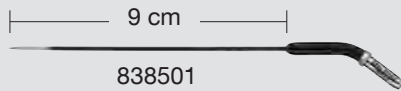
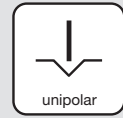
- 845518 **Bipolar Coagulation Forceps**, insulated, for nasopharynx, tip curved 40°, blunt, tip 2 mm, length 18 cm
- 845721 **Bipolar Coagulation Forceps**, insulated, for nasopharynx and adenoidectomy, tip with long 90° curve, with integrated suction channel, with cut-off hole, length 21 cm
- 845821 **Bipolar Coagulation Forceps**, insulated, for oral cavity and tonsillectomy, tip with short 45° curve, with integrated suction channel, with cut-off hole, length 21 cm

Bipolar Coagulation



- 839320 **BRINER Bipolar Coagulation Suction Cannula**, curved upwards, insulated, length of electrodes 3.2 mm, with cut-off hole, outer diameter 3.5 mm, working length 16 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 839325 **BRINER Bipolar Coagulation Suction Cannula**, angular, insulated, length of electrodes 3.2 mm, with cut-off hole, outer diameter 3.5 mm, working length 11 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 839330 **BRINER Bipolar Coagulation Suction Cannula**, angular, insulated, length of electrodes 3.5 mm, with cut-off hole, outer diameter 4.5 mm, working length 11 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 843219 **Bipolar Coagulation Forceps**, insulated, angular, blunt, with integrated suction channel for epistaxis, with cut-off hole, length 19 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844524 **Bipolar Forceps**, bayonet-shaped, with bar, tip 0.7 mm, length 23 cm, for use with Bipolar High Frequency Cords 847000 E or 847000 M/V/W
- 844525 **Same**, angled

Unipolar Coagulation



- 838501 **Needle Electrode**, for sub mucosa diathermy of the inferior turbinate, working length 9 cm
- 838503 **Ball Electrode**, for epistaxis, working length 9 cm
- 839310 N **Coagulation Suction Tube**, for nose, straight, outer diameter 3 mm, working length 10 cm
- 839312 **SIMMEN Coagulation Suction Tube**, for nose and epistaxis, angular, insulated, malleable, distal with uninsulated horn for coagulation, with cut-off hole, outer diameter 3.5 mm, working length 12 cm, for use with Unipolar High Frequency Cords 26005 M, 26004 M, 26002 M and 26006 M
- 839312 A **Same**, outer diameter 4 mm
- 839313 **Same**, outer diameter 4.5 mm
- 839315 N **Coagulation Suction Tube**, for nasopharynx, curved upwards, malleable, outer diameter 4 mm, working length 15 cm
- 839317 **Coagulation Suction Tube**, angular, outer diameter 3 mm, working length 17 cm
- 8605 N **KLEINSASSER Suction and Coagulation Cannula**, outer diameter 3 mm, working length 26 cm



LARYNGOSCOPY TRACHEOSCOPY

LARYNGOSCOPY388-412

RECOMMENDED SETS413-419

INSTRUMENTS
FOR ENDOLARYNGEAL
MICROSURGERY420-471

INSTRUMENTS FOR
PHONOSURGERY472-473

ADDITIONAL INSTRUMENTS
FOR ENDOLARYNGEAL
MICROSURGERY474-480

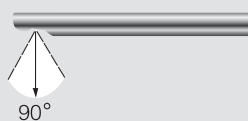
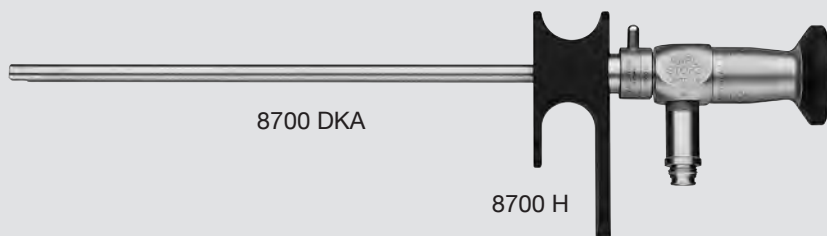
INSTRUMENTS
FOR COAGULATION481-483

TRACHEOSCOPY484-486

HOPKINS® Telescopes

for laryngo-pharyngoscopy

Direction of view 90°

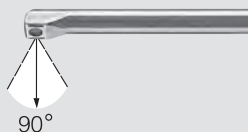


8700 DKA

Tele-Laryngo-Pharyngoscope, with integrated HOPKINS® lateral telescope 90°, diameter 5.8 mm, length 20 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue

8700 H

Handle, for use with Tele-Laryngoscopes 8700 CP, 8700 CKA, 8705 CKA and 8700 DKA



8707 DA

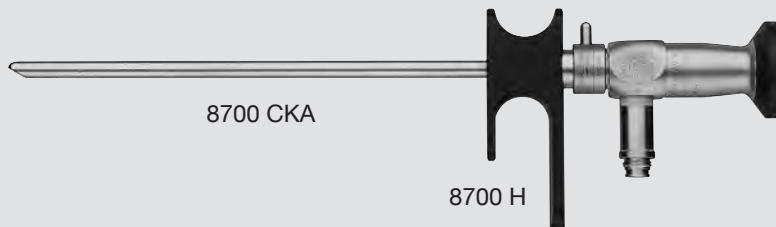
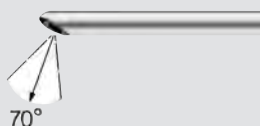
Tele-Laryngo-Pharyngoscope, with integrated HOPKINS® lateral telescope 90°, 4x magnification focusing device, diameter 10 mm, length 15 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue

Please note: Instruments for indirect laryngoscopy see pages 292-293

HOPKINS® Telescopes

for laryngo-pharyngoscopy

Direction of view 70°



8700 CKA

8700 H

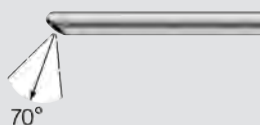
8700 CKA **BENJAMIN Tele-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, angle of view 50°, diameter 5.8 mm, length 19 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

8700 H **Handle**, for use with Tele-Laryngoscopes 8700 CP, 8700 CKA, 8705 CKA and 8700 DKA



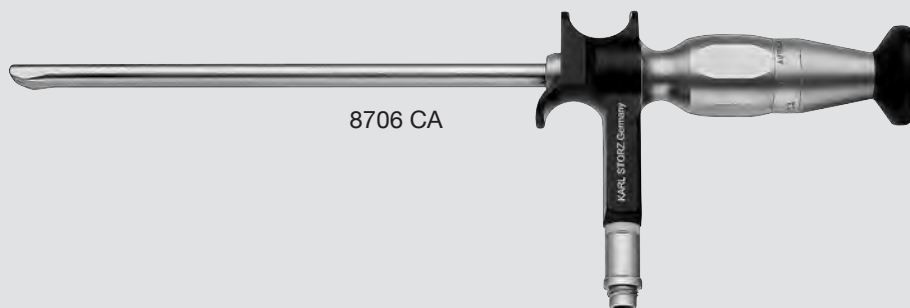
8705 CKA

8700 H



8705 CKA **BENJAMIN Slimline Tele-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, angle of view 50°, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

8700 H **Handle**, for use with Tele-Laryngoscopes 8700 CP, 8700 CKA, 8705 CKA and 8700 DKA



8706 CA



8706 CA **Strobe-Laryngoscope**, with integrated HOPKINS® lateral telescope 70°, oval sheath, 7.2 x 9.3 mm, working length 17 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Please note: Instruments for indirect laryngoscopy see pages 292-293

Contact Endoscopes for Laryngoscopy

Contact Endoscopes from KARL STORZ for Laryngoscopy

Contact endoscopy is used to examine the mucosa for premalignant, malignant and benign lesions whereby the tip of the contact endoscope is placed on the mucosa. 60x or 150x magnification, which can be adjusted via the rotating wheel on the contact endoscope, allows significantly better visualization of the vessel structures of the micro-vascular system than standard endoscopes. Potential application areas in the field of ENT medicine are the intraoperative evaluation of premalignant, malignant and benign lesions of the larynx as well as the upper respiratory and aerodigestive tracts in transoral micro laser surgery. Moreover, contact endoscopes are suitable for preoperative identification in the case of suspected vascular lesions on the floor of the mouth and the oropharynx.

When using the contact endoscope for laryngoscopy in combination with the IMAGE1 S™ camera system, the efficiency of the intervention can be increased as the previous application of the vital dye methylene blue for staining tissue affected by a tumor is no longer mandatory. The color filters of the IMAGE1 S™ visualization modes allow a more accurate visualization of diverse tissue structures without the need for additional dye, making a more precise assessment of malignant tissue changes possible. The SPECTRA A, SPECTRA B and CLARA + CHROMA visualization modes are available to the operating surgeon.



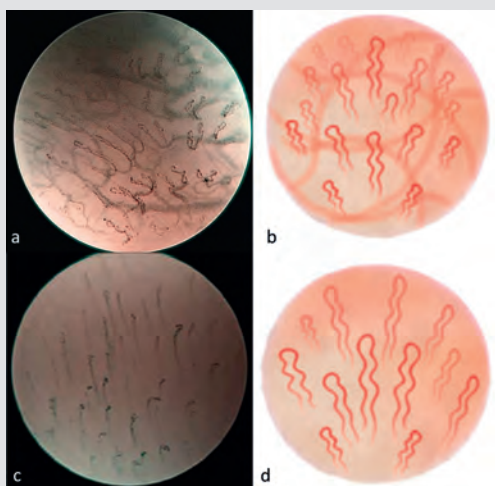
Contact Endoscopy

The listed benefits for the use of contact endoscopes in conjunction with the IMAGE1 S™ camera system were determined within the scope of a study carried out in cooperation with Prof. Roberto Puxeddu from the

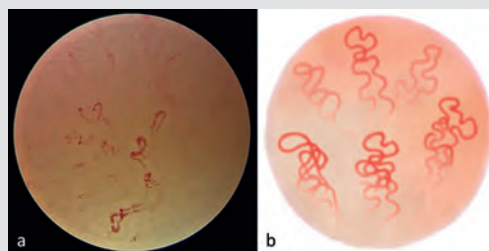
University Clinic in Cagliari (Italy). The following example images are also part of this study.**

Benefits of contact endoscopy:

- Contact endoscopes available in 4 different models
- Efficient use of contact endoscopes in combination with IMAGE1 S™ visualization modes
- More precise optical evaluation of malignant or benign lesions
- Use of the vital dye methylene blue no longer mandatory thanks to IMAGE1 S™ visualization modes



Intraoperative findings of neoangiogenesis with the help of contact endoscopes in conjunction with the IMAGE1 S™ mode SPECTRA A (Figs. a+c). Anatomical sample drawing of neoangiogenesis (Figs. b+d).*



Intraoperative findings of neoangiogenesis with the help of contact endoscopes in conjunction with the IMAGE1 S™ modes CLARA + CHROMA (Fig a). Anatomical sample drawing of neoangiogenesis (Fig. b).*

* Neoangiogenesis refers to the formation of blood vessels in tumor tissue; these supply the tumors and enable their growth.

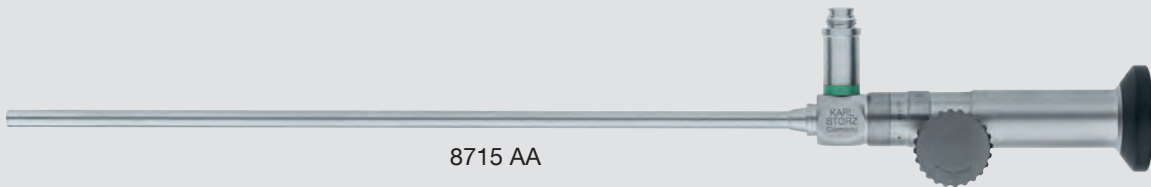
** Source:

- 1) Puxeddu R et al.: *Enhanced contact endoscopy for the assessment of the neoangiogenetic changes in precancerous and cancerous lesions of the oral cavity and oropharynx* - *European Archives of Oto-Rhino-Laryngology and Head & Neck*, 2015
- 2) Puxeddu R et al.: *Enhanced Contact Endoscopy for the Detection of Neoangiogenesis in Tumors of the Larynx and Hypopharynx* - *The American Laryngological, Rhinological and Otological Society, Inc.*, 2014

Prof. Roberto Puxeddu, University Clinic in Cagliari (Italy)

Contact Endoscopy

Contact Micro-Laryngoscopes

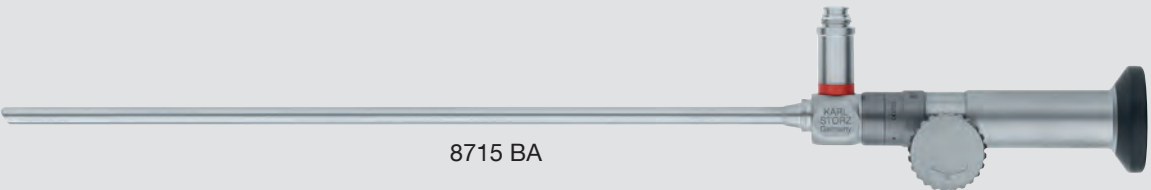


8715 AA



8715 AA

ANDREA-DIAS **Contact Micro-Laryngoscope**, with HOPKINS® straight forward telescope 0°, magnification 1x, 60x, 150x, diameter 5.5 mm, length 23 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



8715 BA



8715 BA

ANDREA-DIAS **Contact Micro-Laryngoscope**, with HOPKINS® forward-oblique telescope 30°, magnification 1x, 60x, 150x, diameter 5.5 mm, length 23 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

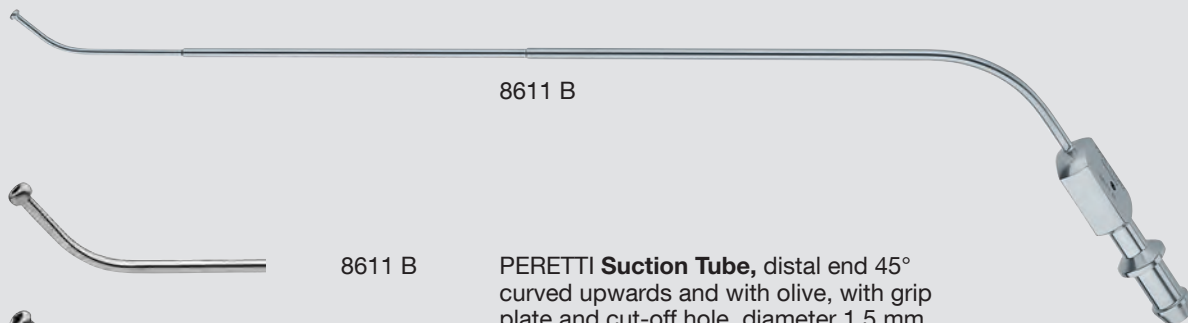
Please note: The following products are required to use the contact endoscopes:

IMAGE1 S CONNECT® II Module TC 201EN, IMAGE1 S™ 4U-LINK TC 304, IMAGE1 S™ 4U One-Chip 4K UHD Camera Head TH 120, 32" 4K Monitor TM 343 as well as Cold Light Fountain Power LED 175 SCB 20 1614 01-1, Fiber Optic Light Cable 495 ND and Wire Tray for Cleaning, Sterilization and Storage 39502 Z

For a description of the products see page 394

Contact Endoscopy

Suction Tubes



8611 B



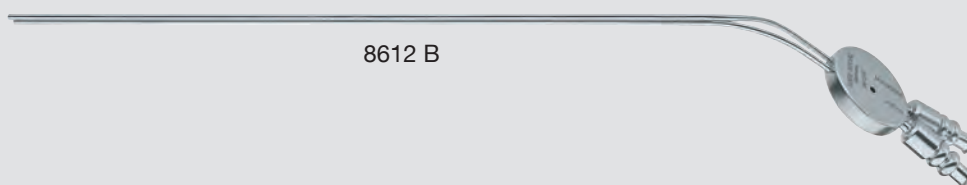
8611 B

PERETTI Suction Tube, distal end 45° curved upwards and with olive, with grip plate and cut-off hole, diameter 1.5 mm, LUER-Lock, working length 23 cm



8611 C

Same, diameter 2 mm



8612 B



8612 B

PERETTI Irrigation and Suction Tube, with grip plate and cut-off hole for suction tube, LUER-Lock, outer diameter of irrigation tube 1.5 mm, diameter of suction tube 1.5 mm, working length 23 cm

Contact Endoscopes for Laryngoscopy

Products required for the use of contact endoscopes

	<p>TC 201EN* IMAGE1 S CONNECT® II, 4K technology, basic module</p>
	<p>TC 304 IMAGE1 S™ 4U-LINK, module for rigid endoscopy, 4K technology</p>
	<p>TH 120 IMAGE1 S™ 4U One-Chip 4K UHD Camera Head</p>
	<p>TM 343 32" 4K Monitor</p>
	<p>20 1614 01-1 Cold Light Fountain POWER LED 175 SCB</p>
	<p>495 ND Fiber Optic Light Cable, with straight connector, diameter 3.5 mm, length 300 cm</p>
	<p>39502 Z Wire Tray for Cleaning, Sterilization and Storage of instruments, stackable, including hole plate walls and foldaway handles, external dimensions (w x d x h): 480 x 250 x 66 mm</p> <p>39502 L Lid</p> <p>39100 S Silicone Grid Insert LARGE DIAMOND GRID</p> <p>39100 PS Fixation Pin, package of 12</p> <p>39360 AS Silicone Tie-Downs, package of 12</p>

* Also available in the following languages: DE, ES, FR, IT, PT, RU

Please note: The instruments displayed are not included in the rack.

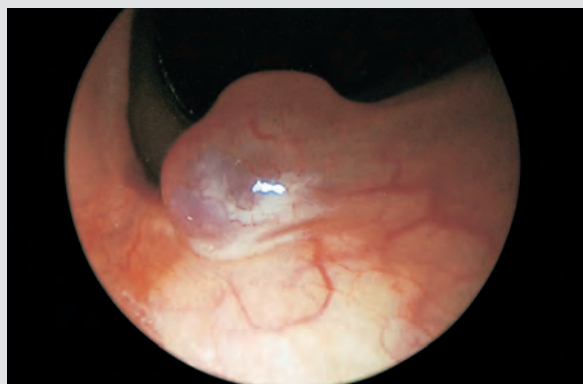
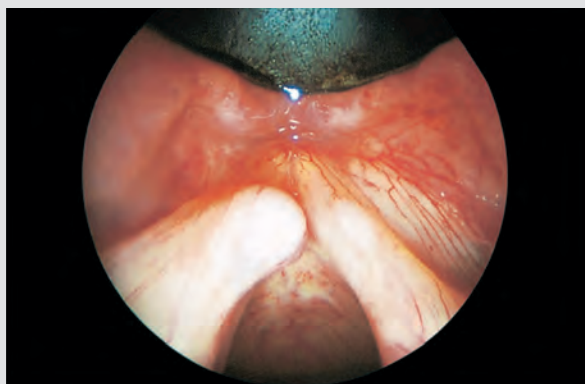
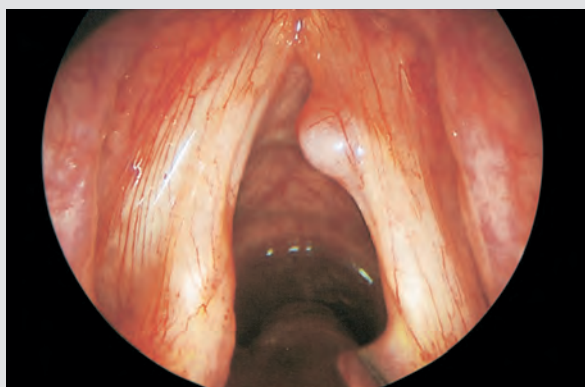
For further information on the required products see IMAGING online catalog at www.karlstorz.com

ANDREA-DIAS Rigid Endoscopy Associated with Endolaryngeal Microsurgery (REMS)

Endoscopic procedures in general, including techniques carried out in the office and microlaryngoscopy, only enable the observation of the larynx along a vertical axis. This imposes limitations on the diagnosis and physiopathological interpretation of diseases, as well as on treatment and follow-up. Research work on laryngeal microanatomy conducted by the authors reinforced the need to assess the larynx from different perspectives in order to improve the evaluation of pathological findings. This led to the systematic use of rigid endoscopes with different angles of vision (0°, 30°, and 70°) during endotracheal intubation. Rigid Endoscopy associated with Microlaryngeal Surgery (REMS) significantly enhances the ability to assess the larynx and offers high quality imaging, even of regions that are traditionally difficult to explore, such as the inferior

surface and free border of the vocal cords, the anterior commissure, the ventricles and the subglottis. Parameters considered important for the evaluation of pre-malignant and malignant lesions can be analyzed in greater detail, due to the multiperspective assessment offered by KARL STORZ HOPKINS® telescopes. REMS is also beneficial for the assessment of benign pathological indications of the vocal cords and for subsequent excision. REMS is easy to perform and, apart from the rigid telescopes which were specifically designed for this application, it requires no equipment other than that which is required for conventional laryngeal endoscopy.

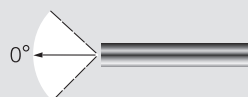
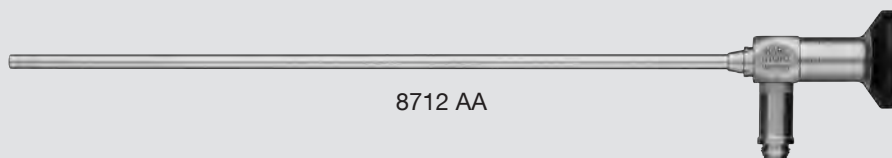
*Prof. M. ANDREA, M. D. and Prof. O. DIAS, M. D.,
Universidade de Lisboa, Serviço de Otorhinolaringologia,
Lisbon, Portugal*



Multiperspective assessment of a vocal cord polyp using rigid endoscopes 8712 AA/BA/CA (0°, 30° and 70°). The diameter and length of these endoscopes allow observation of all regions of the larynx with regular endotracheal intubation.

HOPKINS® Telescopes

for ANDREA-DIAS rigid endoscopy associated with endolaryngeal microsurgery (REMS)



8712 AA

HOPKINS® Straight Forward Telescope 0°, enlarged view, diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



8712 BA

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



8712 CA

HOPKINS® Lateral Telescope 70°, enlarged view, diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow

Antifog Solution



15006 C

15006 D

- 15006 C **“ULTRA STOP” Antifog Solution,**
30 ml, sterile, pierce bottle
- 15006 D **“ULTRA STOP” Antifog Solution,**
15 ml, atomizer bottle

Fiber Optic Light Cables



495 NA

- 495 NL **Fiber Optic Light Cable,** with straight
connector, diameter 3.5 mm, length 180 cm
- 495 NA **Same,** length 230 cm

Fluid Light Cables



495 FO

- 495 FO **Fluid Light Cable,**
diameter 3 mm, length 180 cm
- 495 FP **Same,** length 250 cm

Containers for Telescopes see HYGIENE catalog

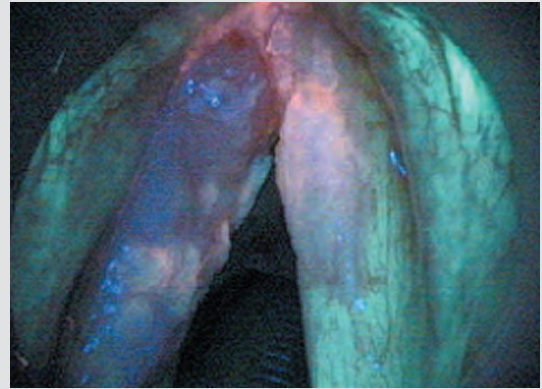
White Light Endoscopy (Microlaryngoscopy) vs. Autofluorescence

Diagnosis:

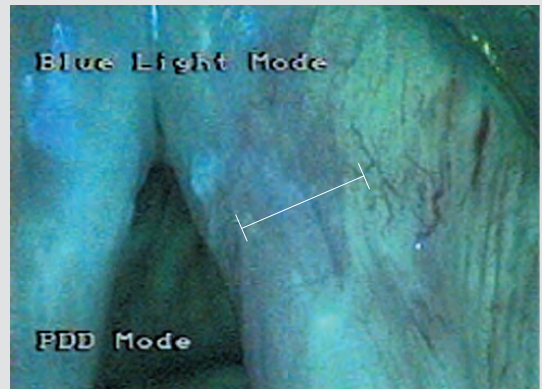
White light



Autofluorescence



Keratinizing squamous cell carcinoma on the left, with moderately dysplastic ramifications towards the right vocal

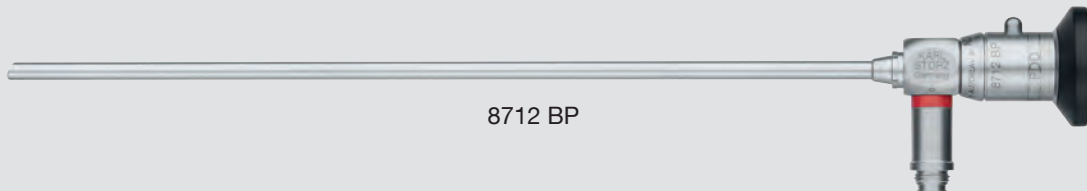


Focal squamous epithelium dysplasia of moderate degree (concomitant with epidermization and focal leucoplasia) only visible in the autofluorescence image by way of the fluorescence reduction in the marked area (2 patients)

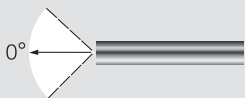
HOPKINS® Telescopes

for autofluorescence/blue light imaging (BLI)
during direct and indirect laryngoscopy

For direct laryngoscopy:



8712 BP



8712 AP

HOPKINS® Straight Forward Telescope 0°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: green



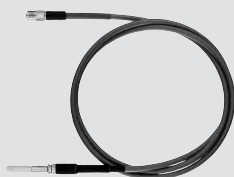
8712 BP

HOPKINS® Forward-Oblique Telescope 30°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: red



8712 CP

HOPKINS® Lateral Telescope 70°, enlarged view, for autofluorescence/photodynamic diagnosis (PDD), diameter 5 mm, length 24 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: yellow



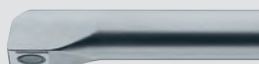
495 FP

Fluid Light Cable, diameter 3 mm, length 250 cm

For indirect laryngoscopy:



8707 DP



8707 DP

Tele-Laryngo-Pharyngoscope, with integrated HOPKINS® lateral telescope 90°, for autofluorescence/photodynamic diagnosis (PDD), 4x magnification, focusing device, **autoclavable**, diameter 10 mm, working length 15 cm, fiber optic light transmission and filter exchanger incorporated, color code: blue

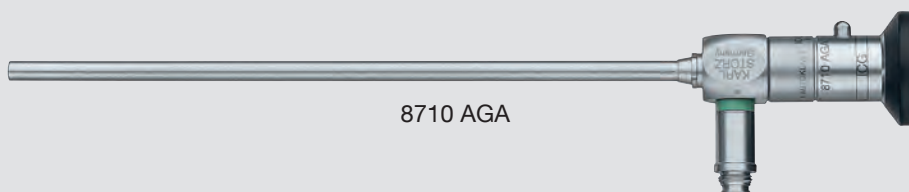


495 FR

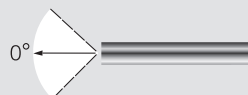
Fluid Light Cable, diameter 5 mm, length 250 cm

HOPKINS® Telescopes

for ICG angiography

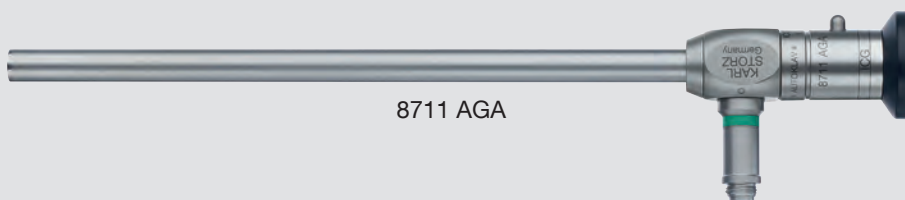


8710 AGA

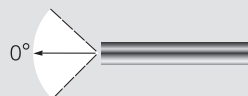


8710 AGA

HOPKINS® Straight Forward Telescope 0°, for perfusion assessment, autofluorescence and white light diagnosis, diameter 5.8 mm, length 20 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: green



8711 AGA



8711 AGA

HOPKINS® Straight Forward Telescope 0°, enlarged view, for perfusion assessment, autofluorescence and white light diagnosis, diameter 10 mm, length 20 cm, **autoclavable**, fiber optic light transmission and filter exchanger incorporated, color code: green

TELE PACK+

Endoscopy compact

Imaging diagnostics are performed not only in hospitals, but also in offices, day clinics, and outpatient clinics. These settings require, in particular, flexible devices with high image quality. The new TELE PACK+ ALL-IN-ONE system from KARL STORZ meets these demands. The system combines a monitor, an LED light source, a FULL HD camera control unit, and a documentation unit with integrated network function into a single portable, compact unit.

The TELE PACK+ combines in one unit:



Display +

The TELE PACK+ is equipped with an 18.5" touch screen monitor with on-screen keyboard. The reproduction of images in FULL HD quality is impressive. The intuitive menu navigation is a very strong feature and makes the TELE PACK+ easy to use.

Light +

The integrated LED light source provides bright and uniform illumination. In addition to the manual light source control, the TELE PACK+ also offers an automatic light source control functionality.

Camera +

A wide range of rigid, flexible and single-use endoscopes can be connected to the TELE PACK+. KARL STORZ offers a broad product portfolio of compatible cameras and videoendoscopes.

Docu +

There are three options for the storage of patient data: Internal memory, on USB storage media or network documentation.

Network +

The network functionality allows the export and import of patient data in/out of practice/hospital networks. Two storage locations are available for this purpose: A standard FTP server or a worklist server.



TELE PACK+

Overview

Network Connection



Data Storage

USB Flash Drive



TELE PACK+



Image display

27" FULL HD Monitor



Patient Data Report

USB Color Printer



Diagnosis and Treatment

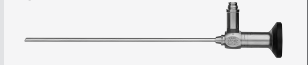
H1 One-Chip Camera Head



IMAGE1 S™ HX One-Chip FULL HD Camera Head



Rigid Endoscopes



Semiflexible Fiberscopes



Flexible Fiberscopes



C-Line Videoendoscopes



ENT

11102 CM
13303 E
091330-06

Anesthesiology

11303 BNX
11302 BDX
11301 ABX
11304 BCX
091361-06
0915612-06

Urology

11272 VE/VUE
091271-06
091279-06

X-Line Videoendoscopes



ENT

11101 HD

Bronchoscopy

11910 D
11910 T

Urology

11272 VH/VHU
11278 VS/VSU

Surgery

11292 VS/VSU

Further options for the network connection see OR1 software solution SCENARA®

For further information on the required components see IMAGING online catalog – TELE PACK+ Mobile Combisolution at www.karlstorz.com

TELE PACK+

Endoscopy compact



TP 101

TELE PACK+, endoscopic video unit with 2 camera inputs (X-Line and C-Line) for use with flexible videoendoscopes and one-chip camera heads (up to FULL HD), incl. LED light source, digital Image Processing Module with USB and network storage options as well as 18.5" FULL HD touch screen monitor, power supply 100 – 240 VAC, 50/60 Hz

including:

Mains Cord, length 300 cm







Specifications:

	TP 101
Interfaces	
Video output	1x DVI-D
USB interfaces	6x
Ethernet interface	network connection
Line-in	1x
Line-out	1x
Service interface	1x
Documentation Images	
Image format	JPEG
Documentation Video	
Video format	MPEG 4
Further Properties	
Integrated light source	LED
Screen	screen size: 18.5", resolution: 1920 x 1080, contrast: 1200:1
Loudspeaker consumption	3.2 W
Power consumption	140 W
Power frequency	50/60 Hz
Power supply	100 – 240 VAC
Dimensions w x h x d	470 x 387 x 222 mm
Weight	9 kg
Cleaning	wipe disinfection


The TELE PACK+ TP 101 is stroboscopy-capable with the appropriate accessories see page 405 Components see chapter 13

TELE PACK+

Accessories

	549 M	USB Color Printer , power supply 100 – 240 VAC, 50/60 Hz, including mains cord, for use with IMAGE1 S™, IMAGE1 ICM from software version 470206-328 BI and AIDA® compact NEO
	20 0400 86 20 0400 89 20 0402 86	DVI-D Connecting Cable , length 200 cm Same , length 300 cm Same , length 750 cm
	27677 TP 27677 TPT	Plastic Case TELE PACK+ , with foam part, external dimensions 750 x 530 x 260 mm Trolley , for Case TELE PACK+ 27677 TP
	20 0402 82	USB Flash Drive , 32 GB
	20 0402 76 20 0400 76	RJ-45 Network Cable , length 100 cm RJ-45 Network Cable , length 500 cm
	W21067	OR1™ Network Isolator , according to EN 60601, for galvanic decoupling of units with RJ-45 network connection (1 GBit)
	TL 005	Triple Adaptor , for use with POWER LED 300 cold light fountain in combination with KARL STORZ, Olympus, Stryker and Wolf light cables
	TP 002	Camera Head/Irrigation Bottle Holder

Optional:

	USB Silicone Keyboard , with touchpad	
	Character Sets:	
	20 0402 41DE German	20 0402 41RU Russian
	20 0402 41FR French	20 0402 41SE Scandinavian
	20 0402 41IT Italian	20 0402 41US English
	20 0402 41PT Portuguese	20 0402 41CH German, French, Italian
	20 0402 41ES Spanish	

TELE PACK+

Accessories for Stroboscopy



40 1600 40 **Stroboscopy Kit**, for use with TELE PACK+ and TELE PACK X LED
including:
Footswitch
Microphone Set



40 1600 33 **TELE PACK Stroboscopy Footswitch**, footswitch with USB port and integrated activation key for stroboscopy function (plug & play), for use with TELE PACK+ and TELE PACK X LED



40 1600 31 **Microphone Set**, for use with TELE PACK+ and TELE PACK X LED
including:
Microphone Fitting
Microphone Holder
Connector for Microphone Membrane

HD Video Rhino-Laryngoscope

for use with IMAGE1 S™ X-LINK and TELE PACK+

Special Features:

- The freely programmable buttons enable convenient control of various functions such as, for example, S-Technologies, recording images and video sequences etc.
- Ergonomic and well-balanced handle
- Compatibility with the newest KARL STORZ HD camera control units allows high-resolution visualization of anatomical structures with a realistic color reproduction.



11101 HD

11101 HDK **HD Video Rhino-Laryngoscope Kit,**
for use with IMAGE1 S™ X-LINK
TC 301 and TELE PACK+ TP 101

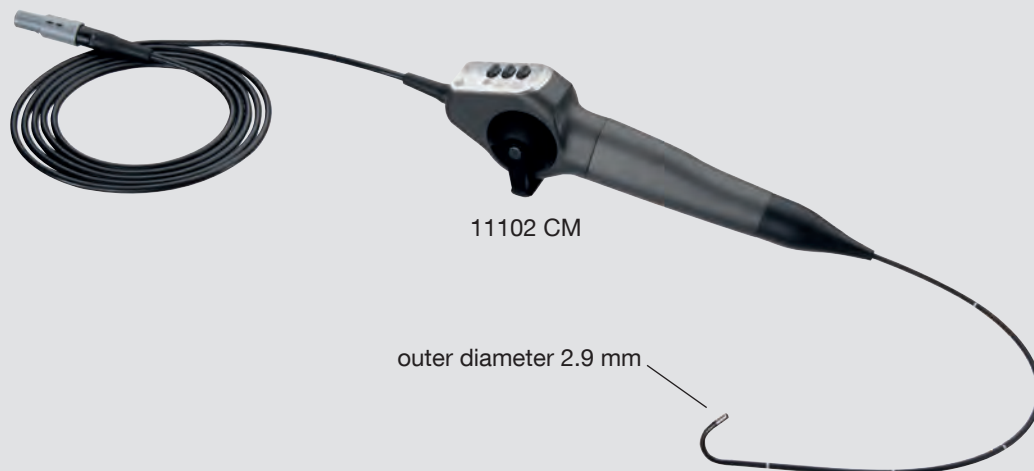
Direction of view: 0°
Angle of view: 100°
Deflection up/down: 140°/140°
Outer diameter: 3.7 mm
Working length: 30 cm

The following accessories are included in delivery:

11101 HD **HD Video Rhino-Laryngoscope, 3.7 mm**
13242 XL **Leakage Tester, with bulb and manometer**
11025 E **Pressure Compensation Cap, for ventilation during gas and plasma sterilization**
27677 SL **Case for Flexible Endoscopes, without accessories**

CMOS Video Rhino-Laryngoscope

for use with C-MAC® Monitor and TELE PACK+



11102 CMK **CMOS Video Rhino-Laryngoscope Kit,**
for use with C-MAC® Monitor 8404 ZX
and TELE PACK+ TP 101

Direction of view: 0°
Angle of view: 100°
Working length: 30 cm
Outer diameter: 2.9 mm
Deflection up/down: 140°/140°

The following accessories are included in delivery:

11102 CM **CMOS Video Rhino-Laryngoscope, 2.9 mm**
13242 XL **Leakage Tester, with bulb and manometer**
11025 E **Pressure Compensation Cap, for ventilation**
during gas and plasma sterilization
27677 SL **Case for Flexible Endoscopes, without accessories**

11102 CMM **CMOS Video Rhino-Laryngoscope with Monitor**

Direction of view: 0°
Angle of view: 100°
Working length: 30 cm
Outer diameter: 2.9 mm
Deflection up/down: 140°/140°

The following accessories are included in delivery:

11102 CMK **CMOS Video Rhino-Laryngoscope KIT**
8404 ZXK **C-MAC® Monitor for CMOS Endoscopes**

CMOS Video Rhino-Laryngoscope SSU

for use with E-Box TP 012 and TELE PACK+

STERILE 



091330-06

091330-06* **CMOS Video Rhino-Laryngoscope SSU**, sterile, for single use, package of 6, for use with E-Box TP 012 and TELE PACK+

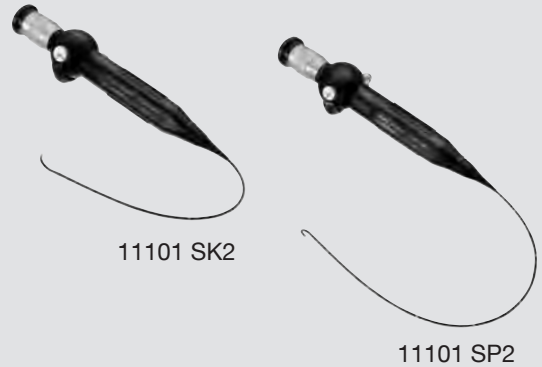
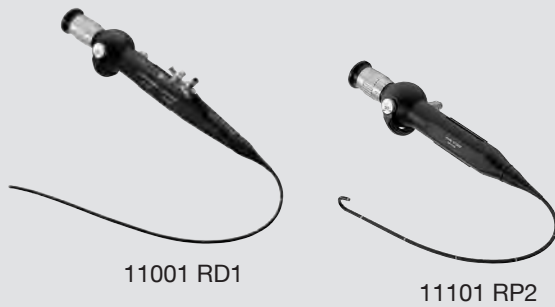
Direction of view: 0°
Angle of view: 90°
Working length: 30 cm
Outer diameter: 3.5 mm
Deflection up/down: 140°/140°

8404 ZXK **C-MAC® Monitor for CMOS Endoscopes**

Laryngo-Fiberscopes

Special Features:

- Waterproof, fully immersible for cleaning and disinfection
- Simple leakage test takes only a few minutes and requires no additional accessories.
- Sterilizable with EtO-Gas, Steris® and Sterrad®



Laryngo-Fiberscopes, direction of view 0° – Overview









Description	Deflection up/down	Order no.	Angle of view	Working length	Distal end outer	Working channel inner
Rhino-Laryngo-Fiberscope 3.7 x 340 mm		11001 RD1	90°	34 cm	diameter 3.7 mm 	diameter 1.5 mm
Rhino-Pharyngo-Laryngo-Fiberscope 3.5 x 300 mm		11101 RP2	70°	30 cm	diameter 3.5 mm 	—
Rhino-Laryngo-Fiberscope 2.5 x 270 mm		11101 SK2	90°	27 cm	diameter 2.5 mm 	—
Rhino-Laryngo-Tracheo-Fiberscope 2.5 x 370 mm		11101 SP2	90°	37 cm	diameter 2.5 mm 	—

Accessories included in delivery and optional accessories see pages 410-411
 Components/Spare Parts see chapter 13

Laryngo-Fiberscopes

Overview

Accessories included in delivery:

			11001 RD1	11101 RP2	11101 SK2	11101 SP2
	27677 SZ	Case, with accessories	●	-	-	-
	27677 SL	Case for Flexible Endoscopes, without accessories	-	●	●	●
	11025 E	Pressure Compensation Cap, for ventilation during gas and plasma sterilization	●	●	●	●
	13242 XL	Leakage Tester, with bulb and manometer	●	●	●	●
	110251-100*	Bite Protector, with elastic band, unsterile, for single use, package of 100	●	-	-	-
	110930-50*	Cleaning Brush, length 90 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50	●	-	-	-
	11003 KA	Biopsy Forceps, flexible, double action jaws, oval, diameter 1 mm, length 60 cm	●	-	-	-
	11003 KB	Grasping Forceps, flexible, double action jaws, diameter 1 mm, length 60 cm	●	-	-	-



Optional Accessories:



15006 C

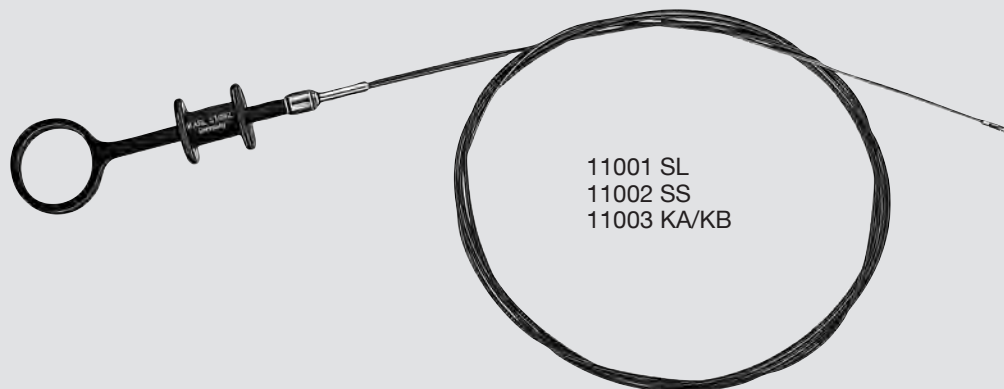


15006 D

15006 C "ULTRA STOP" Antifog Solution,
30 ml, sterile, pierce bottle

15006 D "ULTRA STOP" Antifog Solution,
15 ml, atomizer bottle

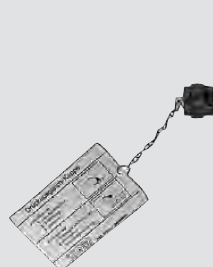
Further Accessories for Laryngo-Fiberscopes



11001 SL
11002 SS
11003 KA/KB

Flexible Grasping Forceps and Biopsy Forceps for Laryngo-Fiberscopes:

Distal end	Order no.	Product description	Diameter	Length
	11003 KA	Biopsy Forceps, double action jaws, oval	1 mm	60 cm
	11001 SL		1.7 mm	60 cm
	11003 KB	Grasping Forceps, double action jaws	1 mm	60 cm
	11002 SS		1.7 mm	60 cm



11025 E



13242 XL

13242 XL **Leakage Tester,** with bulb and manometer

11025 E **Pressure Compensation Cap,** for ventilation during gas and plasma sterilization

KLEINSASSER Basic Laryngoscopy Set for Adults

Recommended Set

8590 B	KLEINSASSER Operating Laryngoscope , large, length 17 cm
8590 C	Same , medium, most commonly used model
8590 DN	Same , small, for particularly difficult anatomical circumstances, length 18 cm
8590 GF	Fiber Optic Light Carrier , for distal illumination, working length 14 cm
8575 K	Laryngoscope Holder and Chest Support , GÖTTINGEN model, with adjustment wheel including: Support Rod , movable, with metal ring, diameter 9 cm, length 34 cm
5x 8575 QS	Teeth Protector, silicone, autoclavable , can also be used as inlay in metal teeth protector
8660 N	KLEINSASSER Needle Holder , delicate, straight, serrated jaws, size 1.8 x 3.5 mm, sheath conically reinforced from distal to proximal end, with ratchet, with cleaning connector, working length 23 cm
8660 L	KLEINSASSER Forceps , robust model with oval jaws, size 3 x 4 mm, single action jaws, with cleaning connector, working length 23 cm
8594 A	KLEINSASSER Scissors , straight, with cleaning connector, working length 23 cm
8593 A	KLEINSASSER Grasping Forceps , without ratchet, serrated, straight, with cleaning connector, working length 23 cm
8594 B	KLEINSASSER Scissors , angled 45°, with cleaning connector, working length 23 cm
8594 C	Same , curved to right
8594 D	Same , curved to left
8591 A	KLEINSASSER Forceps , straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm
8591 B	Same , curved upwards
8591 C	Same , curved to right
8591 D	Same , curved to left
8597	KLEINSASSER Handle , for use with 8595 A – 8596 T, 8655 A – K, 8656 A – S and 8693 A/B
8596 A	KLEINSASSER Hook , blunt, with probe end, working length 23 cm
8596 B	Same , sharp
8596 T	KLEINSASSER Knot Tier , working length 23 cm
8596 F	KLEINSASSER Ligature Needle , curved to left, working length 23 cm
8596 E	Same , curved to right
8595 C	KLEINSASSER Knife , sickle-shaped, curved, pointed, working length 23 cm
8595 E	KLEINSASSER Knife , golf club-shaped, curved, round, working length 23 cm
8595 A	KLEINSASSER Knife , oval, straight, working length 23 cm
8596 H	KLEINSASSER Suction Raspatory , working length 23 cm
8603	KLEINSASSER Suction Tube , outer diameter 2.5 mm, working length 23 cm
8598 B	KLEINSASSER Injection Needle , LUER-Lock, straight, working length 23 cm
8605 N	KLEINSASSER Suction and Coagulation Cannula , outer diameter 3 mm, working length 26 cm
26005 M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm

Recommended Set

8574 J	BENJAMIN Operating Laryngoscope , for children, length 15 cm
8574 JH	Fiber Optic Light Carrier , for distal illumination, length 12 cm, for use with 8574 J/JP
8587 KK	LINDHOLM Operating Laryngoscope , for children, inner diameter proximal end 30 x 20 mm, distal end width 16 mm, length 11 cm
8587 GF	Fiber Optic Light Carrier , for Laryngoscopes 8587 A/AA/KK
8587 P	BENJAMIN-LINDHOLM Operating Laryngoscope , for infants, inner diameter proximal end 26 x 16 mm, distal end 14 x 11 mm, length 9.5 cm
8587 PF	Fiber Optic Light Carrier , for distal illumination, length 6.5 cm, for use with 8587 P
497 AC	Clip , for proximal illumination
8602 KS	KLEINSASSER Suction Tube , ball end, outer diameter 2 mm, working length 18 cm
8603 KS	Same , outer diameter 3 mm
8591 MK	Spoon Forceps , jaws open horizontally, distal end malleable, diameter 4 mm, with cleaning connector, working length 18 cm
8593 AK	KLEINSASSER Grasping Forceps , straight, serrated, with cleaning connector, working length 18 cm
8591 BK	KLEINSASSER Forceps , upturned, with cupped jaws, 2 mm, with cleaning connector, working length 18 cm
8591 AK	Same , straight
8594 DK	KLEINSASSER Scissors , curved to left, with cleaning connector, working length 18 cm
8594 CK	Same , curved to right
8594 AK	KLEINSASSER Scissors , straight, with cleaning connector, working length 18 cm
8575 KC	BENJAMIN-PARSONS Laryngoscope Holder and Chest Support , support rod with lateral set screws

STEINER Basic LASER Laryngopharyngoscopy Set for Adults

Recommended Set

8666 AN	STEINER Distending Operating Laryngopharyngoscope , for adults, with black coating, with right and left side wings to prevent the tongue/soft tissue from obstructing the lumen, channel removing vapor integrated in handle and blade, length 18 cm, for use with Clip, for proximal illumination 497 AC and Laryngoscope Holder 8575 K/KC
8666 DN	STEINER Distending Operating Oropharyngoscope , for adults, with black coating, with right and left side wings to prevent the tongue/soft tissue from obstructing the lumen, channel removing vapor integrated in handle and blade, length 14 cm, for use with Clip, for proximal illumination 497 AC and Laryngoscope Holder 8575 K/KC
8661 CN	STEINER Operating Laryngoscope , medium-large, for adults, with black coating, with integrated channel to remove vapor, outer diameter proximal 26 x 18 mm, length 18 cm
8661 DN	STEINER Operating Laryngoscope , small, for adults with difficult anatomical circumstances and for children, with black coating, with integrated channel to remove vapor, outer diameter proximal 23 x 15 mm, length 19 cm
8663 BH	Grasping Forceps , curved to right, serrated, with cleaning connector, working length 23 cm
8663 CH	Same , curved to left
8593 GM	Miniature Grasping Forceps , extra delicate, serrated, with triangular jaws, curved upwards to right, working length 23 cm
8593 HM	Same , curved upwards to left
8662 D	LARYNGOFORCE®II Grasping Forceps , delicate, serrated, special matt finish, with cleaning connector, working length 22 cm
8662 E	LARYNGOFORCE®II Grasping Forceps , with oval alligator jaws, small, special matt finish, with cleaning connector, working length 22 cm
8662 FL	Same , medium, with suction channel to remove LASER vapors
8662 GL	LARYNGOFORCE®II Grasping Forceps , with oval, fenestrated alligator jaws, large, special matt finish, with suction channel to remove LASER vapors, working length 22 cm
8665 T	Clips , titanium LT 200, medium, sterile, 5 mm, package of 36 cartridges with 6 clips each
8665 L	LARYNGOFORCE®II Clip Forceps , jaws angled to left, with cleaning connector, working length 22 cm
8665 R	Same , jaws angled to right
8606 D	Coagulation Suction Tube , with ergonomic handle, insulated, with connection for unipolar coagulation, outer diameter 2 mm, working length 23 cm
8606 E	Same , outer diameter 2.5 mm
8606 F	Same , outer diameter 3.5 mm
26005 M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type ICC and Erbe VIO 300
8596 R	Protector , to protect tissue against unintentional LASER irradiation, oval, special matt finish, diameter 7 mm, working length 23 cm
497 AC	Clip , for proximal illumination
8575 K	Laryngoscope Holder and Chest Support , GÖTTINGEN model, support rod with metal ring, diameter 9 cm, length 34 cm

Optional:

8575 L	Support Table , GÖTTINGEN model, for Laryngoscope Holders 8575 K/KC, height-adjustable swivel arm with movable plate, can be mounted on operation table equipped with standard sliding rail 25 x 10 mm
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WERNER Special LASER Laryngoscopy Set for Children

Recommended Set

8590 LL	KLEINSASSER Laryngoscope , modified by RUDERT for CO ₂ -LASER surgery, for infants, length 13 cm
8574 JK	Smoke Evacuation Tube , for use with Laryngoscope 8590 LL
8574 JH	Fiber Optic Light Carrier , for distal illumination, length 12 cm, for use with Laryngoscope 8590 LL
8574 J	BENJAMIN Operating Laryngoscope , for children, length 15 cm
8574 JK	Smoke Evacuation Tube , for use with Operating Laryngoscope 8574 J
8574 JH	Fiber Optic Light Carrier , for distal illumination, length 12 cm, for use with Operating Laryngoscope 8574 J
8574 JB	BENJAMIN Operating Laryngoscope , for children, small size, length 11.5 cm
8587 PM	Smoke Evacuation Tube , for use with Operating Laryngoscope 8574 JB
8587 PF	Fiber Optic Light Carrier , for use with Operating Laryngoscope 8574 JB
8587 P	BENJAMIN-LINDHOLM Operating Laryngoscope , for infants, inner diameter proximal end 26 x 16 mm, distal end 14 x 11 mm, length 9.5 cm
8587 PM	Smoke Evacuation Tube , for use with Operating Laryngoscope 8587 P
8587 PF	Fiber Optic Light Carrier , for use with Operating Laryngoscope 8587 P
8594 AJ	KLEINSASSER Scissors , straight, with cleaning connector, working length 21 cm
8594 AK	Same , working length 18 cm
8594 CJ	KLEINSASSER Scissors , curved to right, with cleaning connector, working length 21 cm
8594 CK	Same , working length 18 cm
8594 DJ	KLEINSASSER Scissors , curved to left, with cleaning connector, working length 21 cm
8594 DK	Same , working length 18 cm
8591 AJ	KLEINSASSER Forceps , straight, with cupped jaws, with cleaning connector, working length 21 cm
8591 AK	Same , working length 18 cm
8591 CJ	KLEINSASSER Forceps , curved to right, with cupped jaws, with cleaning connector, working length 21 cm
8591 CK	Same , working length 18 cm
8591 DJ	KLEINSASSER Forceps , curved to left, with cupped jaws, with cleaning connector, working length 21 cm
8591 DK	Same , working length 18 cm
8591 RJL	Spoon Forceps , diameter 2 mm, opens horizontally to right, sheath conically reinforced from distal to proximal, with suction channel to remove LASER vapors, with cleaning connector, working length 21 cm
8591 RJK	Same , working length 18 cm
8591 SJL	Same , opens horizontally to left, working length 21 cm
8591 SJK	Same , opens horizontally to left, working length 18 cm
8596 OJ	Protector , curved upwards, diameter 3 mm, to protect tissue against unintentional LASER irradiation, working length 21 cm
8596 OK	Same , working length 18 cm
8575 RC	Teeth Protector, metal , small
8575 RB	Teeth Protector, metal , medium
8575 QS	Teeth Protector, silicone, autoclavable , can also be used as inlay in metal teeth protector
8606 DJ	Coagulation Suction Tube , with ergonomic handle, insulated, outer diameter 2 mm, working length 21 cm
8606 DK	Same , working length 18 cm
8606 EJ	Same , outer diameter 2.5 mm, working length 21 cm
8606 EK	Same , working length 18 cm
26005 M	Unipolar High Frequency Cord , with 5 mm plug, length 300 cm, for use with AUTOCON® III and AUTOCON® II, compatible with Erbe type ICC and Erbe VIO 300
8596 WJ	Cotton Applicator , straight, working length 21 cm
8596 WK	Same , working length 18 cm
8575 K	Laryngoscope Holder and Chest Support , GÖTTINGEN model, support rod with metal ring, diameter 9 mm, length 34 cm

Recommended Set

8587 A	LINDHOLM Operating Laryngoscope , large, inner diameter proximal end 39 x 24 mm, distal end width 18 mm, length 15 cm
8587 GF	Fiber Optic Light Carrier , for use with Laryngoscope 8587 A/AA/KK
8574 SL	BENJAMIN Slimline Operating Laryngoscope and Subglottoscope , for adults, length 17 cm
8589 C	RUDERT Anterior Commissure Laryngoscope , medium, universal size, triangular spatula-shaped, length 17 cm
8574 LF	Fiber Optic Light Carrier , length 16 cm, for use with Laryngoscopes 8590 AL/BL/C/CL/DL/JA
8590 J	KLEINSASSER Operating Laryngoscope , medium, for anterior commissure, length 18 cm
8590 GF	Fiber Optic Light Carrier , for distal illumination, working length 14 cm
8590 C	KLEINSASSER Operating Laryngoscope , medium, length 17 cm
8590 JA	KLEINSASSER Laryngoscope , medium, length 18 cm, for anterior commissure
8574 LF	Fiber Optic Light Carrier , length 16 cm, for use with Laryngoscopes 8590 AL/BL/CL/DL/JA
8590 CL	KLEINSASSER Laryngoscope , medium, length 17 cm
8575 K	Laryngoscope Holder and Chest Support , GÖTTINGEN model, support rod with metal ring, diameter 9 cm, length 34 cm
8575 KC	BENJAMIN-PARSONS Laryngoscope Holder and Chest Support
8575 V	Extension , GRONINGEN model, angled, for enlargement of opening angle of support rod for overweight patients
497 AC	Clip , for proximal illumination
8693 A	Probe , straight, diameter 1 mm, working length 20 cm
8693 B	Same , angled 45°
8656 A	Sickle Knife , curved, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 B	Same , straight cutting
8656 C	Round Knife , vertical cutting, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 D	Lancet Knife , straight, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 E	Needle , straight, sharp, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 F	Hook 90° , 1 mm, sharp, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 G	Same , 2 mm
8656 J	Dissector , straight, ball end, delicate, 3 to 0.6 mm tapered shaft, diameter 1.3 mm, length 23 cm
8656 L	Elevator , slightly curved, blunt, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 LS	Same , sharp tip
8656 N	Same , angled 15°
8656 R	Curette , oval spoon, straight, delicate, 3 to 1 mm tapered shaft, length 23 cm
8656 S	Same , angled 35°
8657 H	Universal Handle , forceps shape, with 2 handle rings, length 9 cm
8656 VL	Suction Elevator , angular, with grip plate and cut-off hole, working length 21 cm, length 23 cm
8656 VR	Same , curved to right
8659 C	FEHLAND Needle Holder , angled 90° to the right, working length 20 cm
8659 D	Same , angled to the left
8660 P	KLEINSASSER Needle Holder , straight, working length 20 cm
8681 A	Micro Forceps , straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm
8681 B	Same , curved upwards
8681 C	Same , curved to right
8681 D	Same , curved to left
8683 A	Micro Grasping Forceps , straight, serrated, with cleaning connector, working length 20 cm
8683 B	Same , curved upwards
8683 C	Same , curved to right

Further WOO/SHAPSHAY/OSSOFF Instruments for Phonosurgery see page 418

WOO/SHAPSHAY/OSSOFF Microsurgical Instrument Set for Phonosurgery

8683 D	Micro Grasping Forceps , curved to left, serrated, with cleaning connector, working length 20 cm
8683 G	SHAPSHAY-PERETTI Micro Grasping Forceps , curved upwards to right, serrated, with triangular fenestrated jaws, with cleaning connector, working length 20 cm
8683 H	Same , curved upwards to left
8684 A	Micro Scissors , straight, with cleaning connector, working length 20 cm
8684 B	Same , curved upwards
8684 C	Same , curved to right
8684 D	Same , curved to left
8686 A	Micro Grasping Forceps , straight, hollow jaws, serrated tips, opens horizontally to right, with cleaning connector, working length 20 cm
8687 A	Micro Alligator Forceps , both jaws open vertically, with suction channel to remove LASER vapors, with cleaning connector, working length 20 cm
8691 A	Suction Tube , handle with cut-off hole, tip with central opening, outer diameter 1 mm
8691 B	Same , outer diameter 1.5 mm
8691 C	Same , outer diameter 2 mm
8692 A	Suction Tube , handle with cut-off hole, tip closed, with 2 lateral openings, outer diameter 1 mm
8692 B	Same , outer diameter 1.5 mm
8692 C	Same , outer diameter 2 mm
8602	KLEINSASSER Suction Tube , outer diameter 2 mm, working length 23 cm
8603	Same , outer diameter 2.5 mm
8604	Same , outer diameter 3 mm

Basic Instrument Set for Panendoscopy

Recommended Set

8575 C	RIECKER Laryngoscope , slotted, for adults, with Fiber Optic Light Carrier 8575 CF
8590 B	KLEINSASSER Operating Laryngoscope , large, length 17 cm
8590 C	KLEINSASSER Operating Laryngoscope , medium, length 17 cm
8590 DN	KLEINSASSER Operating Laryngoscope , small, length 18 cm
8575 K	Laryngoscope Holder and Chest Support , GÖTTINGEN model including: Laryngoscope Holder , GÖTTINGEN model, with adjustment wheel Support Rod , movable, with metal ring, diameter 9 cm, length 34 cm
12060 AV	ROBERTS-JESBERG Esophagoscope , oval, size 12 x 16, length 40 cm, for use with Fiber Optic Light Carrier 12061 AV and/or Prismatic Light Deflector 10101 FA
12061 AV	Fiber Optic Light Carrier , for use with esophagoscopes, length 40 cm
8590 GF	Fiber Optic Light Carrier , for distal illumination, working length 14 cm
495 UD	Fiber Optic Light Cable , with straight connector, 2x diameter 3.5 mm, length 180 cm, for simultaneous light transmission for 2 instruments
12070	Handle
810820	Medicine Cup , 200 ccm, diameter 100 mm, height 50 mm
810810	Medicine Cup , 100 ccm, diameter 80 mm, height 30 mm
744600	McIVOR Mouth Gag , with removable bow for replacement of rubber tube
744303	Tongue Blade , WÜRZBURG model, slotted, size 3, 34 x 85 mm
744304	Same , size 4, 37 x 98 mm
400500	HARTMANN Nasal Speculum , for adults, length 13 cm
754719	SCHNIDT Forceps , slightly curved, serrated, length 19 cm
426516	JANSEN Nasal Dressing Forceps , bayonet-shaped, length 16.5 cm
204810	FERGUSON Suction Tube , with cut-off hole and stylet, LUER, 10 Fr., working length 11 cm
8596 W	Cotton Applicator , straight, working length 25 cm
8575 QS	Teeth Protector, silicone, autoclavable , can also be used as inlay in metal teeth protector
8591 A	KLEINSASSER Forceps , straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm
8591 B	Same , curved upwards
8591 C	Same , curved to right
8591 D	Same , curved to left
8594 A	KLEINSASSER Scissors , straight, with cleaning connector, working length 23 cm
8594 B	Same , angled 45°
8594 C	Same , curved to right
8594 D	Same , curved to left
8591 P	Spoon Forceps , diameter 5 mm, robust model, double action jaws, sheath diameter 2.5 mm, with cleaning connector, working length 23 cm
8596 D	Laryngeal Probe , with handle, angled shaft, straight tip, working length 23 cm
10380 AK	Suction Tube , diameter 4 mm, working length 35 cm

HAVAS Operating Laryngoscope

The HAVAS video laryngoscope from KARL STORZ represents a significant step forward in endoscopic laryngeal surgery.

The HAVAS operating laryngoscope comprises the following components:

- Video laryngoscope
- Integrated light carrier/telescope holder
- Telescopic sheath protector

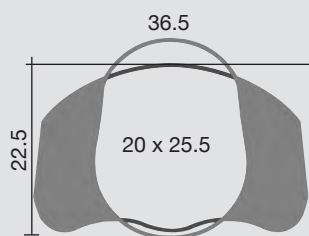
The laryngoscope enables visualization of the supra-glottic and glottic airway. Furthermore, the angulation of the tip provides a view of areas that are difficult to see such as the anterior commissure and the anterior part of the laryngeal ventricles.

The cut-out lateral ports at the proximal end of the laryngoscope enable the introduction of standard instruments or the malleable HAVAS LARYNGOFIT® instruments for microsurgery. This favors endoscopic bimanual surgery using a monitor rather than an operating microscope.

T. HAVAS

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Dimensions in mm:
Proximal and distal



8790 A



8790 B



8790 A/B

- 8790 A HAVAS **Operating Laryngoscope**, with extra light handle, large model, length 17 cm, with connector for Light Carrier 497 HC
- 8790 B HAVAS **Operating Laryngoscope**, with extra light handle, medium model, length 17 cm, with connector for Light Carrier 497 HC

HAVAS Operating Laryngoscope

Accessories

The combination of a light carrier with integrated endoscope holder facilitates the introduction of the laryngoscope under illumination. The telescopic sheath protector enables the introduction of any 4 mm standard telescope (0/30/45/70/90/120°). The endoscope is inserted in the sheath and then anchored in the integrated light source/telescope holder. This enables detailed

endoscopic examination of all parts of the larynx, such as the laryngeal ventricles or the anterior commissure.

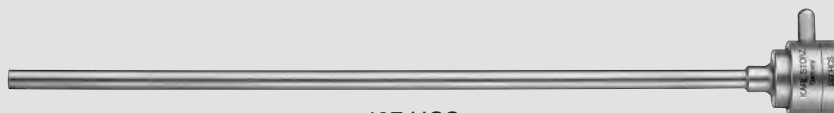
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497 HC

497 HC

HAVAS **Light Carrier**, with integrated telescope channel diameter 5 mm, for proximal illumination, for use with Laryngoscope 8790 A/B



497 HCS

497 HCS

Telescope Protective Sheath, outer diameter 5 mm, length 18 cm, for use of Light Carrier 497 HC with Telescopes 7230 AA/BA/CA/DA/EA/FA

HAVAS LaryngoFIT® Instruments

Accessories

Special Features:

- Malleable distal end enables adjustment of the working end according to individual needs
- Inserts can be locked into three different positions
- Can be completely dismantled
- Cleaning by means of a LUER connector

Working Attachment

for use with
Metal Handle


Working length 25 cm



HAVAS LARYNGOFIT® Forceps, malleable

	8791 AZ	round cupped jaws, 2 mm, straight
	8793 AZ	serrated, straight
	8793 GHZ	serrated, triangular jaws, straight

HAVAS LARYNGOFIT® Scissors, malleable

	8794 AZ	straight
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550000

Please note:

Metal Handle 550000 is **not** included in delivery. Please order separately.

Special features of video laryngoscopes in comparison to surgical microscopes:

- Clear, sharp imaging
- Field of vision not restricted by the laryngoscope blade
- Greater overview behind the distal end of the laryngoscope thanks to the wide angle of view of the HOPKINS® telescope
- Better access to the anterior commissure
- Fatigue-free operation
- Simplifies the work of the assistant
- Immediate documentation of images possible
- Ideal for training purposes



Advantages:

With this method the binocular operation microscope is replaced by the KARL STORZ video system. This system guarantees excellent conditions for:

- surgery
- documentation
- teaching of microlaryngological surgical techniques

When connected to a video printer, this system enables high quality instant printouts to be made as a source of information for:

- physician referral
- radiologists
- oncologists



Microscope



Microscope



Video Laryngoscope



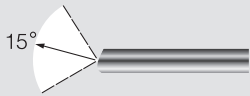
Video Laryngoscope

KANTOR-BERCI Video Laryngoscopes

Model IV



8575 AV



8575 AV

HOPKINS® Straight Forward Telescope 15°, diameter 4 mm, length 17 cm, **autoclavable**, 45° angled eyepiece, fiber optic light transmission incorporated, color code: green

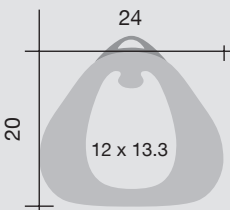


8590 JV



8590 TV

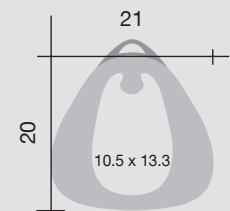
Dimensions in mm:
Proximal and distal



8590 JV

8590 JV

KANTOR-BERCI Video Laryngoscope, model IV, for adults, length 18 cm, enlarged proximal opening, curved distal tip especially designed to elevate the epiglottis and for placement of the anterior commissure, telescope guide tube integrated inside the lumen, with adaptor for HOPKINS® Telescope 8575 AV, for use with distal Fiber Optic Light Carrier 8590 GF or proximal Light Clip 497 AC, Vapor Suction Tube 8590 M and Laryngoscope Holder 8575 K or 8575 KC



8590 TV

8590 TV

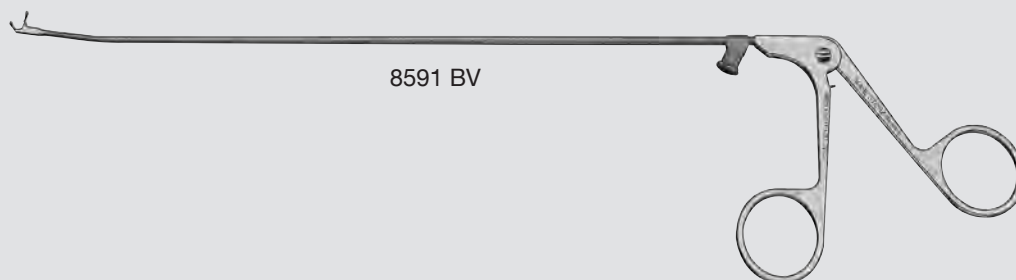
Same, for adolescents and adults, length 17 cm, for use with proximal Light Clip 497 AC and Laryngoscope Holder 8575 K or 8575 KC

Accessories for KANTOR-BERCI Video Laryngoscopes see page 426

For use with KANTOR/BERCI Video Laryngoscopes, Model IV

Special feature of the miniature forceps with cupped jaws and scissors:

- Distal end with 10° upwards curve provides better access to anterior commissure



8591 BV



8591 AV

KLEINSASSER **Spoon Forceps**, 2 mm, straight, sheath conically reinforced from distal to proximal end, distal end curved upwards 10°, with cleaning connector, working length 23 cm



8591 BV

Same, curved upwards 45°



8591 CV

Same, curved to right



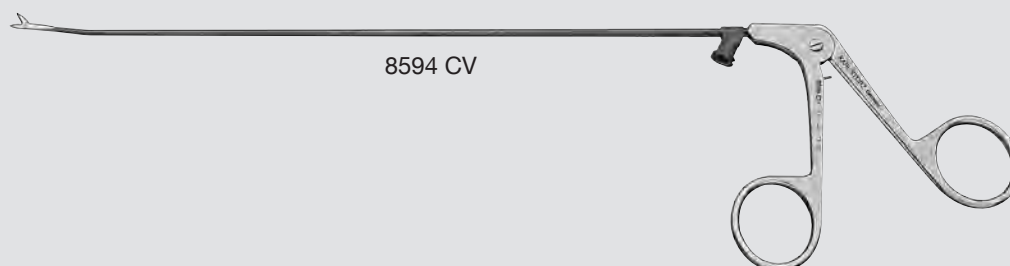
8591 DV

Same, curved to left

For use with KANTOR/BERCI Video Laryngoscopes, Model IV

Special feature of the miniature forceps with cupped jaws and scissors:

- Distal end with 10° upwards curve provides better access to anterior commissure



8594 CV



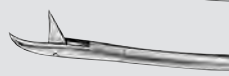
8594 AV

KLEINSASSER **Scissors**, straight, sheath conically reinforced from distal to proximal end, distal end curved upwards 10°, with cleaning connector, working length 23 cm



8594 BV

Same, curved upwards 45°



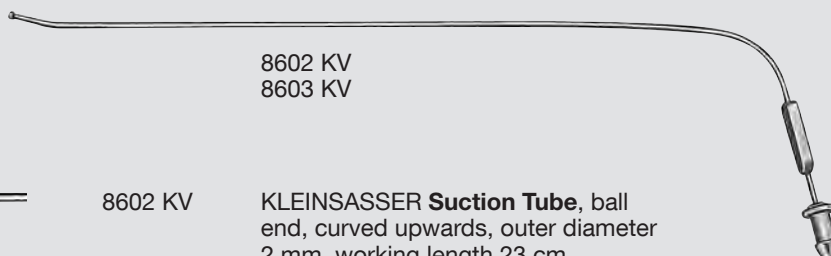
8594 CV

Same, curved to right



8594 DV

Same, curved to left



8602 KV
8603 KV



8602 KV

KLEINSASSER **Suction Tube**, ball end, curved upwards, outer diameter 2 mm, working length 23 cm

8603 KV

Same, outer diameter 3 mm

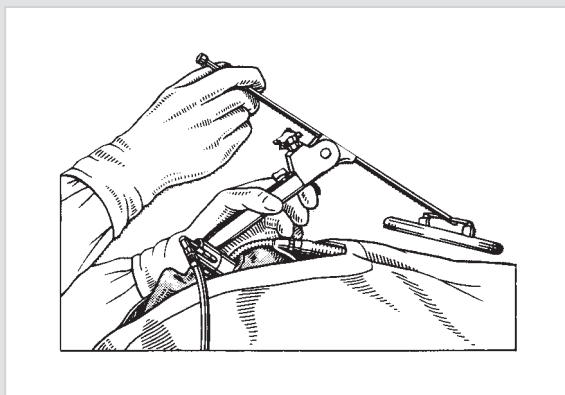
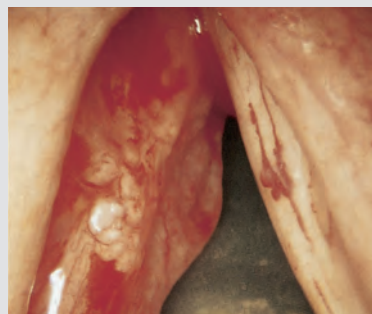
Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see chapter 3, RHINOLOGY AND RHINOPLASTY, page 105

Original KLEINSASSER Operating Laryngoscopes

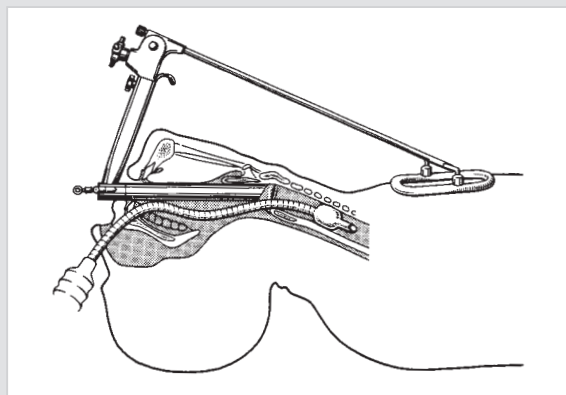
A complete set of laryngoscopes for adults and children allows a good view of the laryngeal area, even under difficult anatomical conditions, such as limited oral aperture and short, thick, stiff necks. Uniform pressure distribution with reduced danger of tooth damage is provided by the flat support area of the laryngoscope against the teeth. A tooth guard to help protect the teeth and gums is also available. The laryngoscopes have smooth surfaces and are easy to clean and sterilize.

The laryngoscope holder and chest support can be placed directly against the thorax. Special tables and support devices can be used with this chest support if required.

Grasping and cutting instruments with a thin, yet very rigid sheath allow precision surgery within the laryngeal area.



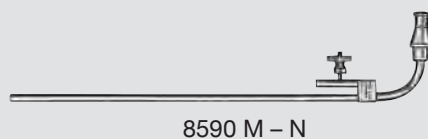
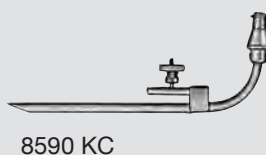
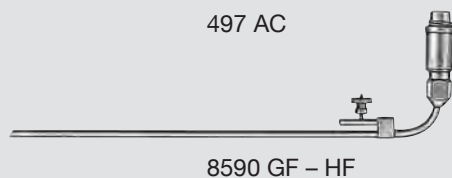
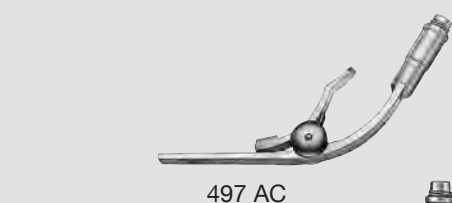
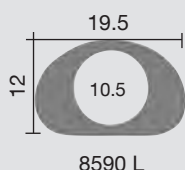
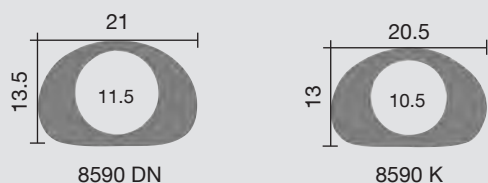
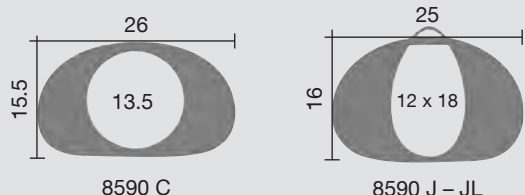
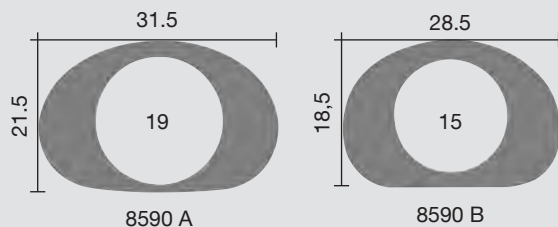
Placement of the chest support after introduction of the laryngoscope.



Final adjustment of the laryngoscope before beginning microlaryngoscopy.

Original KLEINSASSER Operating Laryngoscopes

Dimensions in mm:
Proximal and distal



- 8590 A **KLEINSASSER Operating Laryngoscope**, for adults, extra large, length 17 cm
- 8590 B **Same**, large
- 8590 C **Same**, medium
- 8590 DN **KLEINSASSER Operating Laryngoscope**, for adults, small, for particularly difficult anatomical circumstances, length 18 cm
- 8590 J **Same**, medium, for anterior commissure
- 8590 JL **KLEINSASSER Operating Laryngoscope**, for adults, medium, for particularly long necks, length 22 cm
- 8590 K **KLEINSASSER Operating Laryngoscope**, for children, small, length 15 cm
- 8590 L **KLEINSASSER Operating Laryngoscope**, for infants, small, length 13 cm
- 497 AC **Clip**, for proximal illumination
- 8590 GF **Fiber Optic Light Carrier**, for distal illumination, working length 14 cm, for use with Laryngoscopes 8588 BV, 8590 A-JN, 8590 T, 8590 JV/TV and Diverticulosopes 12067 A, 12068 A
- 8590 HF **Fiber Optic Light Carrier**, for distal illumination, working length 7.5 cm, for use with Laryngoscopes 8590 K - L
- 8590 KC **Injection Cannula**, for positive pressure assisted ventilation, working length 8.5 cm, for use with Laryngoscopes 8590 A - L
- 8590 M **Smoke Evacuation Tube**, for LASER treatment, diameter 3 mm, working length 12.5 cm, for use with Laryngoscopes 8590 A - JL
- 8590 N **Smoke Evacuation Tube**, for LASER treatment, diameter 3 mm, working length 9 cm, for use with Laryngoscopes 8590 K - L

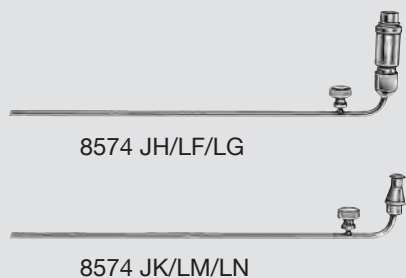
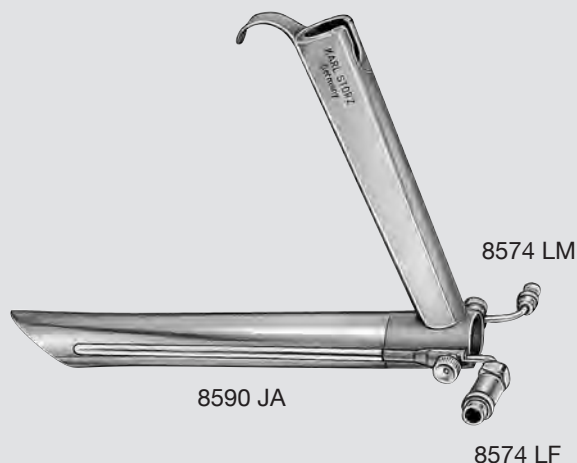
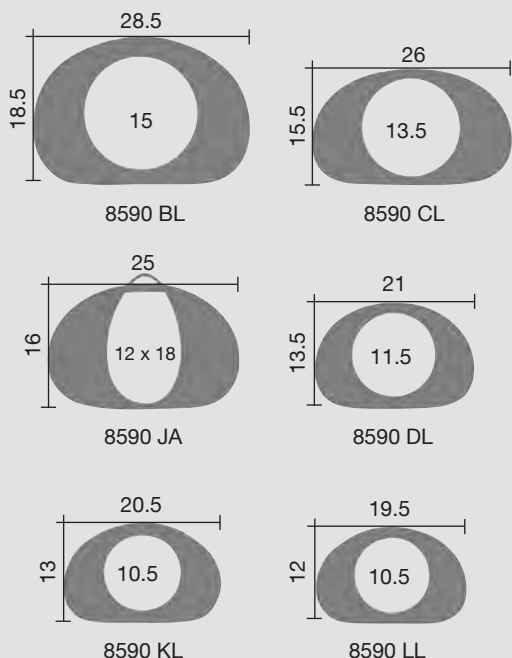
KLEINSASSER Operating Laryngoscopes

modified by RUDERT

Special Features:

- Proven conical KLEINSASSER design
- Modified by RUDERT with right and left lateral outer channels used for smoke evacuation and/or for fiber optic light carrier
- Full lumen working capacity, unobstructed view, operating instruments cannot get caught

Dimensions in mm:
Proximal and distal



- | | |
|---------|---|
| 8590 BL | KLEINSASSER Laryngoscope , for adults, large, modified by RUDERT for CO ₂ -LASER surgery, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 17 cm |
| 8590 CL | Same , medium |
| 8590 DL | Same , small, length 18 cm |
| 8590 JA | KLEINSASSER Laryngoscope , for adults, medium, for anterior commissure, modified by RUDERT for CO ₂ -LASER surgery, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 18 cm |
| 8590 KL | KLEINSASSER Laryngoscope , for children, modified by RUDERT for CO ₂ -LASER surgery, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 15 cm |
| 8590 LL | KLEINSASSER Laryngoscope , for infants, modified by RUDERT for CO ₂ -LASER surgery, with lateral outer channels for suction tube to remove vapor and/or for fiber optic light carrier, length 13 cm |
| 8574 JH | Fiber Optic Light Carrier , for distal illumination, length 12 cm |
| 8574 LF | Same , length 16 cm |
| 8574 LG | Same , length 14 cm |
| 8574 JK | Smoke Evacuation Tube , for LASER treatment, length 12 cm, for use with Laryngoscopes 8574 J/JP and 8590 LL |
| 8574 LM | Smoke Evacuation Tube , for LASER treatment, length 16 cm, for use with Laryngoscopes 8590 BL/CL/JA |
| 8574 LN | Smoke Evacuation Tube , length 14 cm, for use with Laryngoscopes 8590 KL and 8890 A |

Triangle Anterior Commissure Laryngoscopes

Most laryngoscopes have a round or oval distal opening, which is not optimally suited to the triangular shaped glottis (Fig. 1, left). It is therefore frequently not possible to focus on the anterior commissure with these laryngoscopes. The so-called "anterior commissure tubes" with upturned distal end shift the larynx and thus the anterior third of the glottis forwards out of the field of view. In addition to this, the curve of the tube end impedes the view of the anterior commissure (Fig. 2).

Taking up the idea of Vaughan, we developed a laryngoscope for examining the anterior commissure. Its

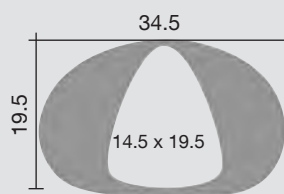
distal end is not upturned, but is shaped like the ridge of a roof. The triangular shape means that the distal opening fits into the similarly triangular shape of the glottis (Fig. 1, right). The laryngoscope offers a good view of the glottis from the anterior commissure right to the arytenoid region.

The laryngoscope is available in 2 sizes. The smaller one is the universal tube. The larger one is suitable for large larynxes in adults with edentulous upper jaws.

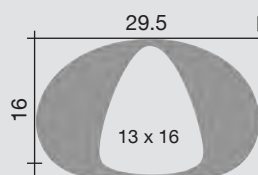
*Prof. emer. H. RUDERT, M. D.,
Universitätsklinik Kiel, Germany*



Dimensions in mm:
Proximal and distal



8589 B



8589 C



8574 LF

8574 LM

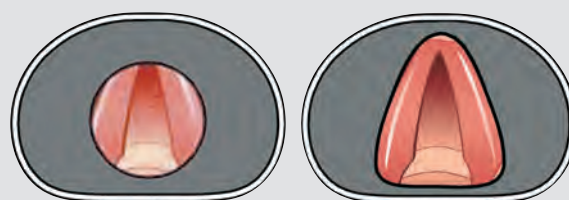


Fig. 1. Focus of distal laryngoscope on the glottis: the oval or round laryngoscope (left), our triangular shaped laryngoscope for the anterior commissure (right).

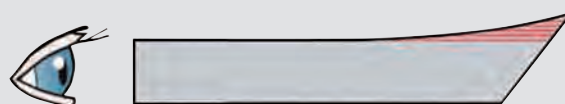


Fig. 2. The upturned distal end of the so-called "anterior commissure tube" impedes the view of the anterior commissure.

8589 B

RUDERT Anterior Commissure Laryngoscope, large, version with wide lumen for special cases, triangular spatula-shaped, with lateral outer channels for Fiber Optic Light Carrier 8574 LF or Smoke Evacuation Tube 8574 LM, length 17 cm

8589 C

Same, medium, universal size

8574 LF

Fiber Optic Light Carrier, for distal illumination, length 16 cm, for use with Laryngoscopes 8590 AL/BL/C/CL/DL/JA and 8589 B/C

8574 LM

Smoke Evacuation Tube, for LASER treatment, length 16 cm, for use with Laryngoscopes 8590 BL/CL/JA

DEDO Operating Laryngoscope

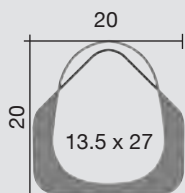
Special Features:

- The DEDO laryngoscope enables a view of the glottis from the anterior commissure right to the arytenoid region.
- Thin tube diameter allows universal use in adults.
- The distal end of the laryngoscope is shaped like a rounded "V" for better visualization.
- Proximal design provides a view of the anterior commissure.
- Comfortable handle design and low overall weight enables convenient handling.



8890 A

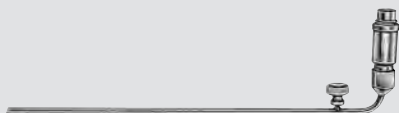
Dimensions in mm:
Proximal and distal



8890 A

8890 A

DEDO Operating Laryngoscope, with extra light handle, length 18 cm



8574 LG

8574 LG

Fiber Optic Light Carrier, for distal illumination, length 14 cm, for use with Laryngoscopes 8590 KL and 8890 A



8574 LN

8574 LN

Smoke Evacuation Tube, length 14 cm, for use with Laryngoscopes 8590 KL and 8890 A

Special Features:

- Clear tumor margins thanks to greater exposure and access to working areas during resection
- Supports visualization of the entire endolarynx
- Lateral wings prevent the tongue and soft tissue from obstructing the lumen

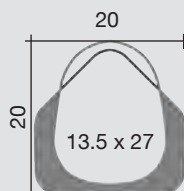


Rear view

8668 A



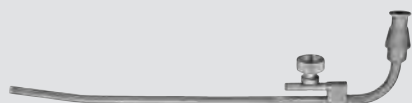
Dimensions in mm:
Proximal and distal



8668 A

8668 A

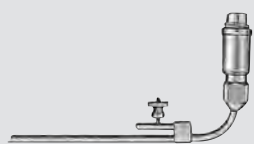
HINNI Distending Operating Laryngoscope, with right and left side wings, length 15 cm, for use with Smoke Evacuation Tube 8668 M



8668 M

8668 M

Smoke Evacuation Tube, curved, length 11 cm, for use with HINNI Distending Operating Laryngoscope 8668 A



8587 GF

8587 GF

Fiber Optic Light Carrier, for Laryngoscopes 8587 A/AA/KK



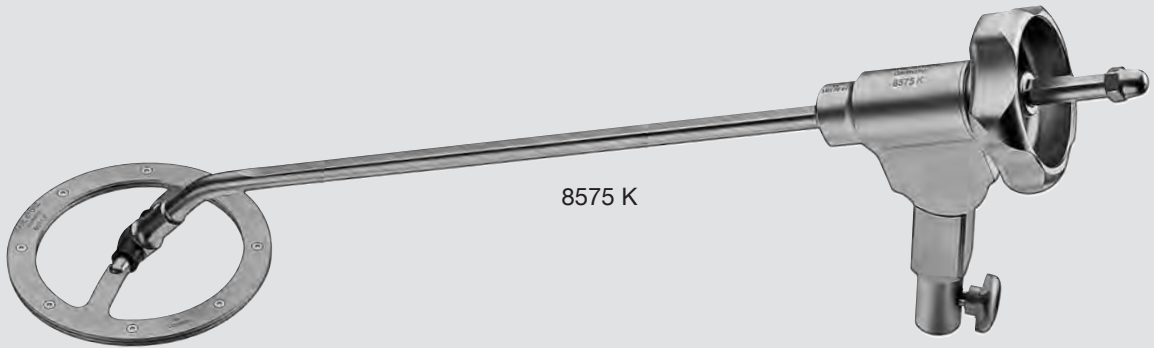
497 AC

497 AC

Clip, for proximal illumination

STEINER Distending Operating Laryngoscope

for transoral LASER microsurgery



8575 K



8661 AN

Rear view

Dimensions in mm:
Proximal



Distension:
max. 30, min. 17.5

Distal



Distension:
max. 48.5, min. 17.5

8661 AN

STEINER Distending Operating Laryngo-Pharyngoscope, for adults, with black coating, channel removing vapor integrated in handle and blade, length 18 cm, for use with Clip, for proximal illumination 497 AC and Laryngoscope Holders 8575 K/KC

8575 K

Laryngoscope Holder and Chest Support, GÖTTINGEN model, with adjustment wheel including:

Support Rod, movable, with metal ring, diameter 9 cm, length 34 cm



497 AC

497 AC

Clip, for proximal illumination

Components/Spare Parts see chapter 13

STEINER Distending Operating Laryngo-Pharyngoscope and Oropharyngoscope

for transoral LASER microsurgery



8666 AN

Rear view

Dimensions in mm:
Proximal



Distension:
max. 30, min. 19

Distal



Distension:
max. 42.9, min. 19



8666 DN

Rear view

8666 AN

STEINER Distending Operating Laryngo-Pharyngoscope, for adults, with black coating, with right and left side wings to prevent the tongue/soft tissue from obstructing the lumen, channel removing vapor integrated in handle and blade, length 18 cm, for use with Clip, for proximal illumination 497 AC and Laryngoscope Holder 8575 K/KC

8666 DN

STEINER Distending Operating Oropharyngoscope, for adults, with black coating, with right and left side wings to prevent the tongue/soft tissue from obstructing the lumen, channel removing vapor integrated in handle and blade, length 14 cm, for use with Clip, for proximal illumination 497 AC and Laryngoscope Holder 8575 K/KC

STEINER Operating Laryngoscopes

for transoral LASER microsurgery with integrated channel to remove vapor



8661 CN



8661 DN



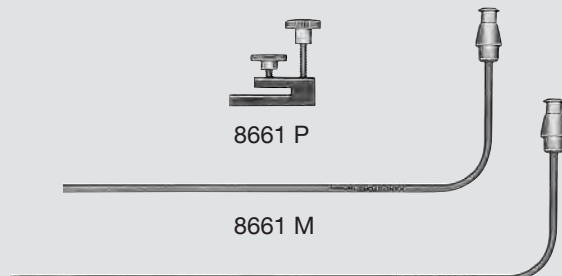
8661 EN



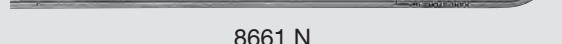
497 AC



8661 P

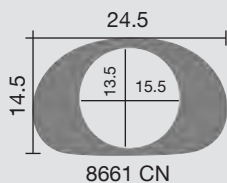


8661 M

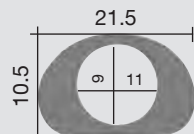


8661 N

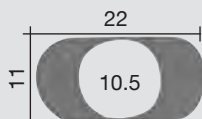
Dimensions in mm:
Proximal and distal



8661 CN



8661 DN



8661 EN

- 8661 CN **STEINER Operating Laryngoscope**, medium-large, for adults, with black coating, with integrated channel to remove vapor, outer diameter proximal 26 x 18 mm, length 18 cm
- 8661 DN **STEINER Operating Laryngoscope**, small, for adults with difficult anatomical circumstances and for children, with black coating, with integrated channel to remove vapor, outer diameter proximal 23 x 15 mm, length 19 cm
- 8661 EN **STEINER Operating Laryngoscope**, extra small, for difficult anatomical circumstances, with black coating, flat, outer diameter proximal 24 x 13 mm, length 20 cm, for use with Suction Tube 8661 M/N
- 8661 M **Suction Evacuation Tube**, for LASER treatment, outer diameter 3 mm, working length 16 cm, for use with operating laryngoscopes and Adaptor 8661 P
- 8661 N **Same**, working length 20 cm
- 8661 P **Adaptor**, for Suction Tube 8661 M/N, attachable to the laryngoscope's proximal end, allows continuous adjustment of the suction tube within the laryngoscope
- 497 AC **Clip**, for proximal illumination

WEERDA Distending Operating Laryngoscopes

Special Features:

- Two adjustment screws enable distension and adaptation to every anatomy. The lateral adjustment screw allows the lumen to be expanded by 18–30 mm. The front adjustment screw also enables maximal distal distending of the lower spatula blade.
- Small dimensions of laryngoscope when blades are closed ease introduction
- Wide lateral slots provide largest possible working area for micro surgical instruments
- Use of additional suction tubes to remove vapor during laser surgery ensures that overview is not obstructed

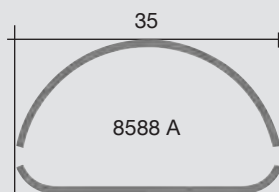


8588 A



8588 B

Dimensions in mm:
Proximal



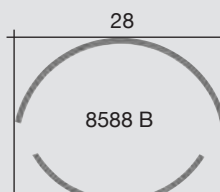
Distension:
max. 30, min. 18

distal



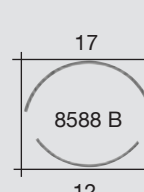
Distension:
max. 65, min. 15

Dimensions in mm:
Proximal



Distension:
max. 35, min. 23

Distal



Distension:
max. 57, min. 10

- 8588 A **WEERDA Distending Operating Laryngoscope**, for adults, large, length 18 cm
- 8588 B **WEERDA Distending Operating Laryngoscope**, for adolescents and adults, large, length 16.5 cm
- 8588 GF **Fiber Optic Light Carrier**, for use with Laryngoscopes 8588 A/B
- 8588 K **Injection Cannula**, for positive pressure assisted ventilation, for use with 8588 A/B/BV
- 8588 M **Smoke Evacuation Tube**, for LASER treatment, for use with Laryngoscopes 8588 A/B/BV

WEERDA Distending Video Operating Laryngoscope

Transoral partial laryngectomy and pharyngectomy using the WEERDA distending video laryngoscope

With conventional microlaryngeal surgery under the guidance of a laryngoscope and surgical microscope, the visual field is limited and working space is narrow. In addition, the visual field is often blocked when two hands are used. These disadvantages have limited its indications.

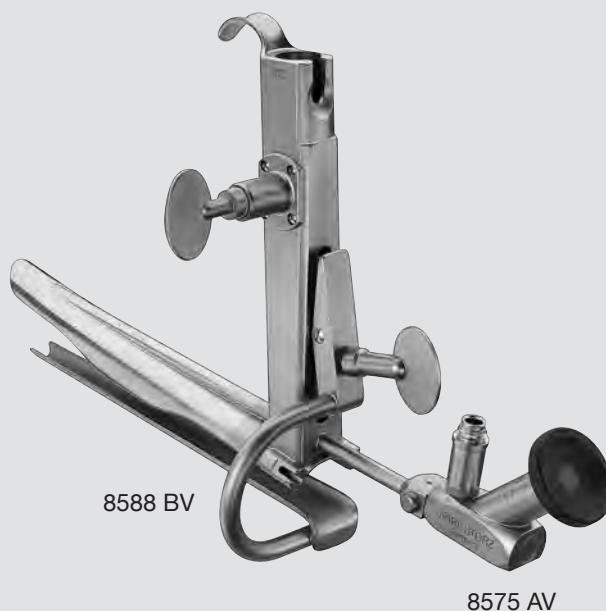
In order to resolve these issues, we use the WEERDA distending video laryngoscope (a conventional WEERDA distending laryngoscope and HOPKINS® telescope).

Characteristics of the WEERDA distending video laryngoscope

With the present system, a sufficient working space and a wide visual field can be achieved. This allows a view of the laryngeal and hypopharyngeal regions. As a result, surgical procedures that used to require tracheostomy or external cervical incision can now be performed transorally.

Supraglottic laryngectomy and partial hypopharyngectomy can also be performed with less invasiveness. In addition to the removal of laryngeal and hypopharyngeal carcinoma, the present system is useful for various procedures in the laryngeal, hypopharyngeal and lingual root regions. This makes surgery in these regions less invasive.

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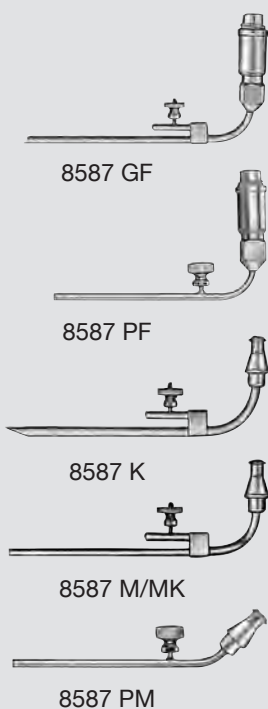
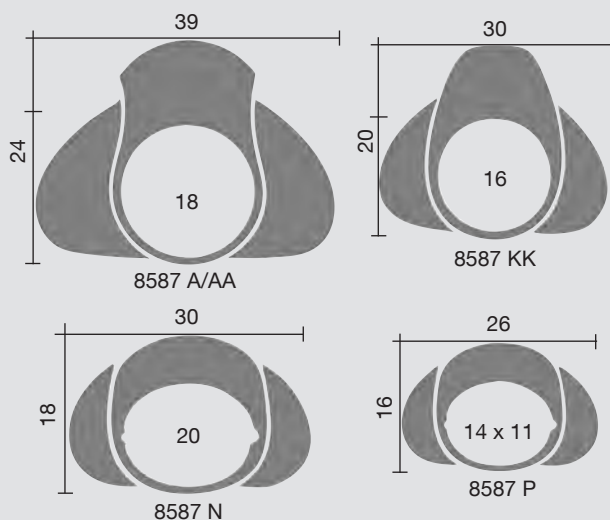
- 8588 BV **WEERDA Distending Video Operating Laryngoscope**, for adolescents and adults, for operation under video control, with channel and holder for Telescope 8575 AV, length 17 cm, for use with Fiber Optic Light Carrier 8590 GF, Suction Tube to remove vapor 8588 M, Injection Cannula 8588 K and Laryngoscope Holder and Chest Support 8575 K
- 8575 AV **HOPKINS® Straight Forward Telescope 15°**, diameter 4 mm, length 17 cm, **autoclavable**, 45° angled eyepiece, fiber optic light transmission incorporated, color code: green

Original LINDHOLM and BENJAMIN-LINDHOLM Operating Laryngoscopes

Special Features:

- Panoramic overview of the laryngopharynx
- View of the epiglottis, arytenoids, posterior commissure, pyriform sinuses and cricoid region

Dimensions in mm:
Proximal and distal



- 8587 A LINDHOLM **Operating Laryngoscope**, for adults, large, inner diameter proximal end 39 x 24 mm, distal end width 18 mm, length 15 cm
- 8587 AA **Same**, length 17 cm
- 8587 KK LINDHOLM **Operating Laryngoscope**, for children, inner diameter proximal end 30 x 20 mm, distal end width 16 mm, length 11 cm
- 8587 N BENJAMIN-LINDHOLM **Operating Laryngoscope**, for children, inner diameter proximal end 30 x 18 mm, distal end width 20 mm, length 11.5 cm
- 8587 P BENJAMIN-LINDHOLM **Operating Laryngoscope**, for infants, inner diameter proximal end 26 x 16 mm, distal end 14 x 11 mm, length 9.5 cm
- 8587 GF **Fiber Optic Light Carrier**, for Laryngoscopes 8587 A/AA/KK
- 8587 PF **Fiber Optic Light Carrier**, for distal illumination, length 6.5 cm, for use with Laryngoscope 8587 P
- 8587 K **Injection Cannula**, for positive pressure assisted ventilation, length 8.5 cm, for use with Laryngoscopes 8587 A/KK
- 8587 M **Smoke Evacuation Tube**, for LASER treatment, length 8.5 cm, for use with Laryngoscope 8587 AA
- 8587 MK **Suction Evacuation Tube**, for LASER treatment, length 7 cm, for use with Laryngoscope 8587 KK
- 8587 PM **Smoke Evacuation Tube**, for LASER treatment, length 6.5 cm

Original BENJAMIN and BENJAMIN-PARSONS Slimline Operating Laryngoscopes and Subglottoscopes

Special Features:

- Appropriate for patients whose larynx is difficult to inspect
- For micro surgery and LASER surgery
- Light clip for proximal illumination
- Quickly and easily attachable to the laryngoscope

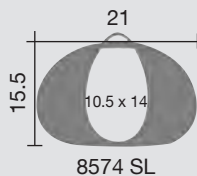


8574 SL

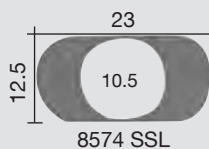


8574 SSL

Dimensions in mm:
Proximal and distal



8574 SL



8574 SSL

8574 SL

BENJAMIN Slimline Operating Laryngoscope and Subglottoscope, for adults, slender, length 17 cm, for use with Clip 497 AC

8574 SSL

BENJAMIN-PARSONS Super-Slimline Operating Laryngoscope and Subglottoscope, for adults, extra slender, flat model, for particularly difficult anatomical circumstances, length 17 cm, for use with Clip 497 AC



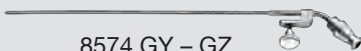
497 AC

497 AC

Clip, for proximal illumination

8574 GY

BENJAMIN Injection Cannula, for positive pressure assisted ventilation, malleable, diameter 2 mm, working length 13.5 cm



8574 GY - GZ

8574 GZ

Same, diameter 3 mm

PARSONS Original Operating Laryngoscopes

Special Features:

- Wide proximal end – suitable for binocular inspection
- Lower surface of size 4 and 5 is rough to prevent tongue from slipping off
- Easy use of instruments



8576 AA

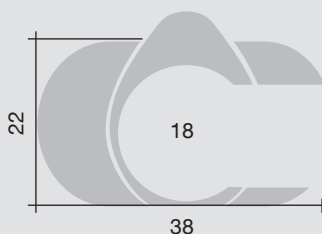


8576 A

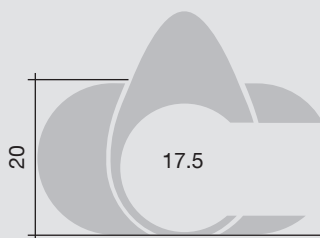


8576 B

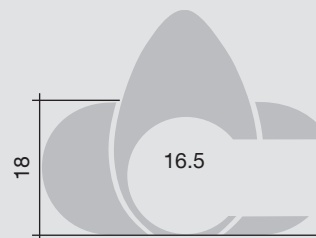
Dimensions in mm:
Proximal and distal



8576 AA



8576 A



8576 B

8576 AA

PARSONS **Operating Laryngoscope**, size 6, for adults, large, for anterior commissure, wide proximal opening suitable for binocular viewing, right-hand side slotted for introduction of broncho-esophagoscopes and operating instruments, left-hand side with insufflation channel for oxygen supply, anesthetic gas or for jet ventilation, length 18 cm, for use with Clip 497 AC for proximal illumination

8576 A

Same, size 5, for adolescents and adults, medium-large, length 16.5 cm

8576 B

Same, size 4, for children up to age 12, medium, length 14.5 cm



497 AC

497 AC

Clip, for proximal illumination

PARSONS Original Laryngoscopes

for children, with proximal illumination

Special Features:

- Enlarged proximal end enables binocular viewing
- Lateral insufflation channel for anesthetic gas and oxygen supply
- Also appropriate for jet ventilation
- Wide lateral slit allows introduction of bronchoscopes and esophagoscopes and enlarges the lumen of the laryngoscope for better binocular inspection
- Flat anterior tip enables better positioning in the anterior commissure or vallecula. Simultaneous use of a telescope provides a panoramic view
- Superior surface is rough to prevent tongue from sliding into the lumen, thereby ensuring visualization of supraglottic structures
- Complete set in 3 sizes for premature babies, newborn babies and infants up to 4 years old



- | | | | |
|----------|---|----------|--|
| 8576 C | PARSONS Laryngoscope , size 3, for infants, flat distal end for anterior commissure, wide proximal opening for binocular viewing, right-hand side slotted for introduction of bronchoesophagoscopes and operating instruments, left-hand side with insufflation channel for oxygen supply, anesthetic gas or jet ventilation, length 11 cm, for use with Prismatic Light Deflector 10101 FA (not in combination with 8574 KT/KW)/JA/JUA and Laryngoscope Holders 8574 KT/KW (not in combination with 10101 FA) | 10101 JA | Prismatic Light Deflector , autoclavable, with integral fiber optic light cable, for use with pediatric Laryngoscopes 8574 B – E/G and 8576 C – E in conjunction with Laryngoscope Holder and Chest Support 8574 KT/KW |
| 8576 CC | Same , size 3.5 | 8574 KT | Laryngoscope Holder and Chest Support , GÖTTINGEN model, with adjustment wheel including:
Support Rod , movable, with metal ring, diameter 9 cm, length 34 cm |
| 8576 D | Same , size 2, for neonates, length 9 cm | 8574 KW | BENJAMIN-PARSONS Laryngoscope Holder and Chest Support , GÖTTINGEN model, with adjustment wheel including:
BENJAMIN-PARSONS Support Rod , movable, with metal ring, diameter 12 cm and 2 lateral set screws, length 34 cm |
| 8576 E | Same , size 1, for premature infants, length 8 cm | | |
| 10101 FA | Prismatic Light Deflector , autoclavable, with connection to fiber optic light cable | | |

Pediatric Laryngoscopes 8574 B – G and 8576 C – E are for use with the Laryngoscope Holders 8574 KT/KW only.
Components/Spare Parts see chapter 13

BENJAMIN and BENJAMIN-PARSONS Original Operating Laryngoscopes

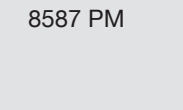
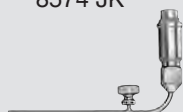
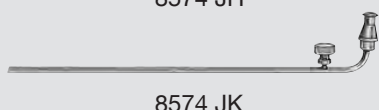
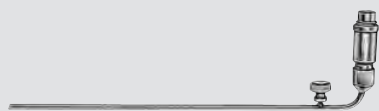
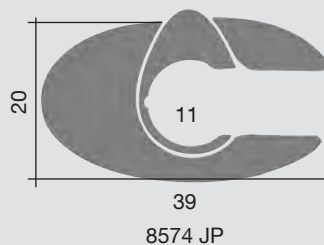
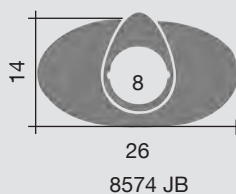
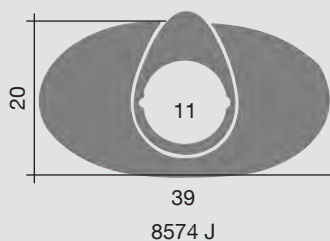
for children

Special Features:

- Wide proximal end for binocular inspection
- Easy use of instruments due to large access
- Lateral channels for suction tubes to remove vapor during LASER surgery and for light carrier for distal illumination
- Good illumination of operation area



Dimensions in mm:
proximal und distal



8574 J

BENJAMIN Operating Laryngoscope,
for children, length 15 cm

8574 JB

Same, small size, length 11.5 cm

8574 JP

BENJAMIN-PARSONS Operating Laryngoscope,
for children, lateral slit for the introduction of pediatric
bronchoscopes up to size 6 and tracheal tubes, lower
surface of spatula is rough to prevent tongue from
slipping off, length 15 cm

8574 JH

Fiber Optic Light Carrier, for distal illumination,
length 12 cm, for use with Laryngoscope 8574 J

8574 JK

Smoke Evacuation Tube, for LASER treatment,
length 12 cm, for use with Laryngoscopes 8574 J/JP
and 8590 LL

8587 PF

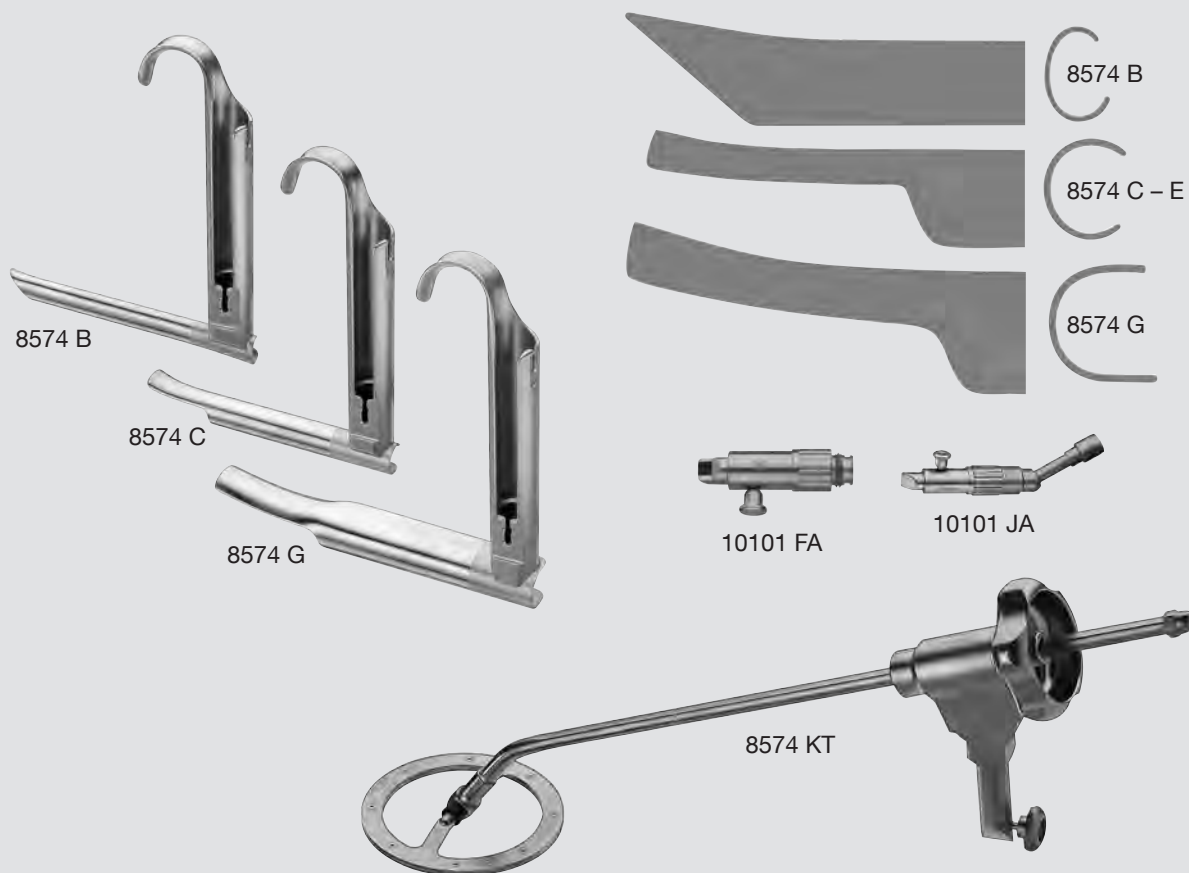
Fiber Optic Light Carrier, for distal illumination,
length 6.5 cm, for use with Laryngoscope 8587 P

8587 PM

Smoke Evacuation Tube, for LASER treatment,
length 6.5 cm

Laryngoscopes

for children, with proximal illumination



8574 B **HOLINGER-TUCKER Anterior Commissure Laryngoscope**, lateral opening, length 11 cm

8574 C **Slotted Laryngoscope**, lateral opening, length 11 cm

8574 D **Same**, length 9.5 cm

8574 E **Same**, length 8 cm

8574 G **BENJAMIN Slotted Laryngoscope**, lateral opening, appropriate for introducing pediatric bronchoscopes, length 13.5 cm

10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable

10101 JA **Prismatic Light Deflector, autoclavable**, with integral fiber optic light cable, for use with pediatric Laryngoscopes 8574 B – E/G and 8576 C – E in conjunction with Laryngoscope Holder and Chest Support 8574 KT/KW

10101 JUA **Prismatic Light Deflector, autoclavable**, with additional light cable for simultaneous use of telescopes

8574 KT **Laryngoscope Holder and Chest Support, GÖTTINGEN model**, with adjustment wheel including:

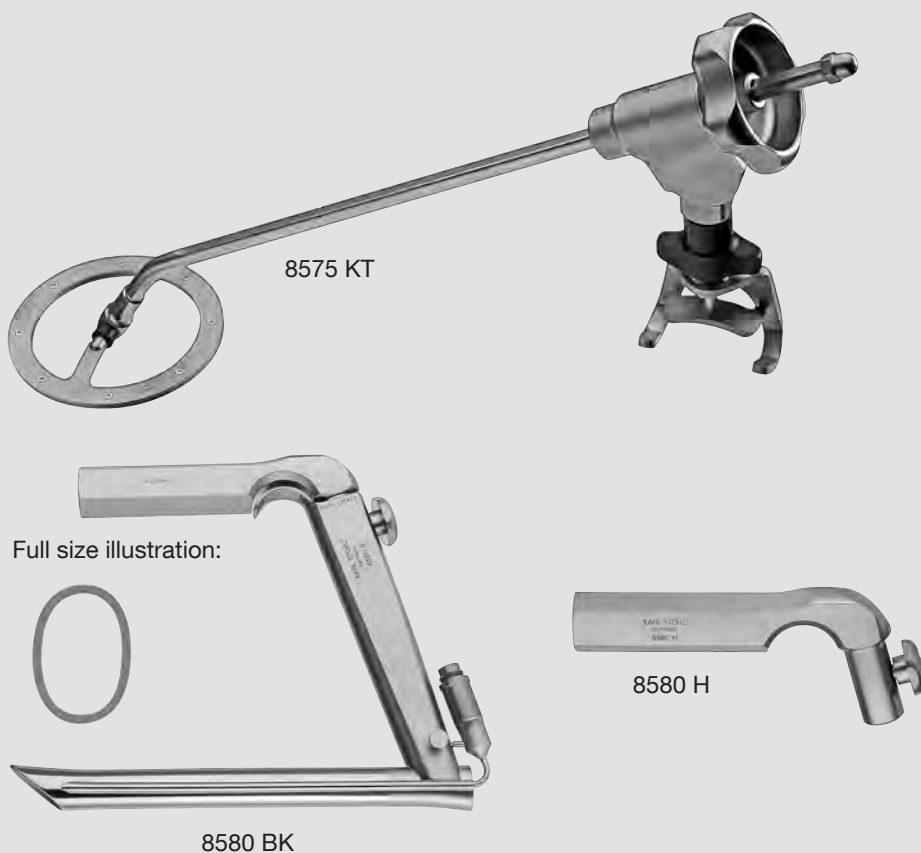
Support Rod, movable, with metal ring, diameter 9 cm, length 34 cm

or:

8574 KW **BENJAMIN-PARSONS Laryngoscope Holder and Chest Support, GÖTTINGEN model**, with adjustment wheel including:

BENJAMIN-PARSONS Support Rod, movable, with metal ring, diameter 12 cm and 2 lateral set screws, length 34 cm

Pediatric Laryngoscopes 8574 B – G and 8576 C – E are for use with the Laryngoscope Holders 8574 KT/KW only. **Components/Spare Parts** see chapter 13



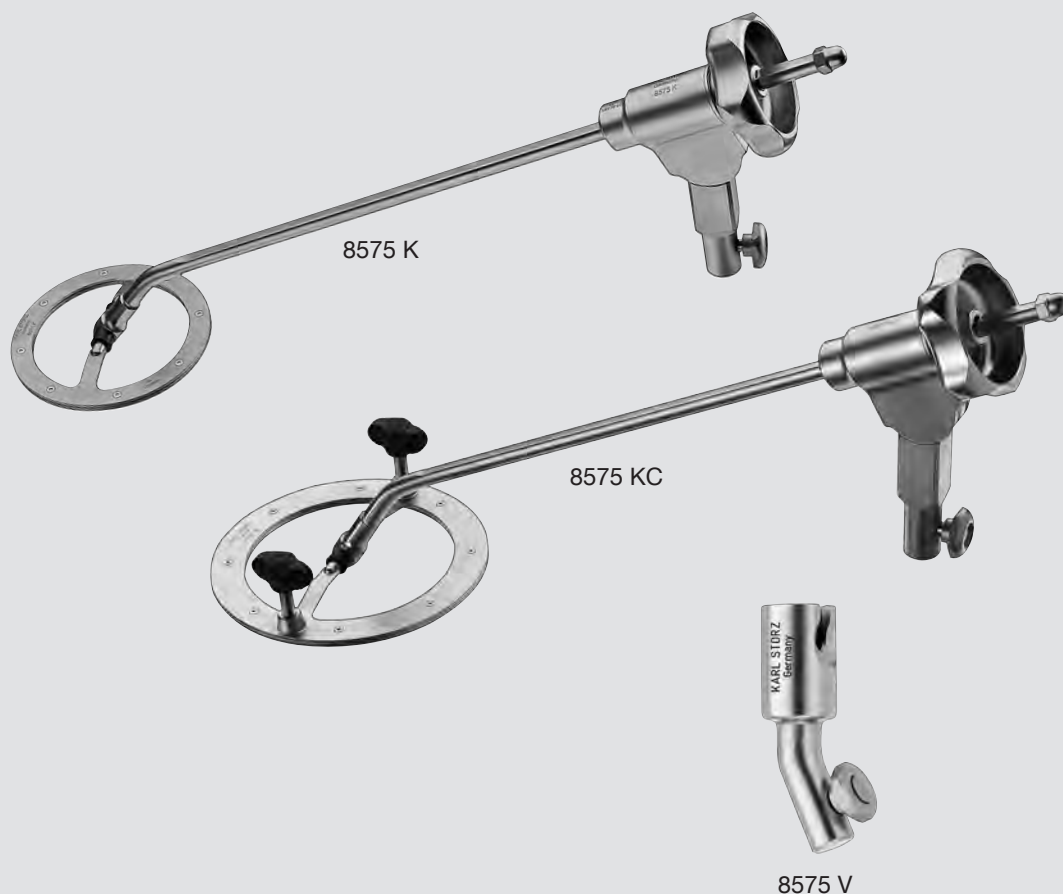
- | | |
|---------|---|
| 8575 KT | LEWY Laryngoscope Holder and Chest Support including:
Support Rod , movable, with metal ring, diameter 9 cm, length 34 cm |
| 8575 KW | LEWY Laryngoscope Holder and Chest Support including:
Support Rod , movable, with metal ring, diameter 12 cm, length 34 cm |
| 8580 BK | HOLINGER Anterior Commissure Laryngoscope , for adults, length 17 cm including:
Fiber Optic Light Carrier
Laryngoscope Handle , detachable |
| 8580 H | Laryngoscope Handle , detachable, for use with LEWY laryngoscope holder and chest support and with operating laryngoscopes |

Please note:

Chest Supports 8575 K/KC/KT/KW are not to be used with Pediatric Laryngoscopes 8576 C – E.
Handle 8580 H is detachable for use of Laryngoscope 8580 B, also with Chest Supports 8575 K/KC.
LEWY Chest Support 8575 KT/KW can be attached to Handle 8580 H.

Components/Spare Parts see chapter 13

Chest Supports for Operating Laryngoscopes



- 8575 K **Laryngoscope Holder and Chest Support, GÖTTINGEN model, with adjustment wheel**
including:
Support Rod, movable, with metal ring, diameter 9 cm, length 34 cm
- 8575 KC **BENJAMIN-PARSONS Laryngoscope Holder and Chest Support, GÖTTINGEN model, with adjustment wheel**
including:
BENJAMIN-PARSONS **Support Rod**, movable, with metal ring, diameter 12 cm and 2 lateral set screws, length 34 cm
- 8575 V **Extension, GRONINGEN model, for enlargement of opening angle of support rod for overweight patients, angled, length 8 cm, for use with Laryngoscope Holders 8575 K/KC and Laryngoscopes 8574 J – JP/SL – RB, 8576 AA – B, 8580 – 8590, 8661 – 8666**

Chest Supports

for Laryngoscope Holders

Chest Support, GÖTTINGEN model

Designed to meet the requirements of tumor surgery in the pharynx and larynx, a special **chest support system** with a movable plate and a height-adjustable, rod allows the frequently required changes in the position of the laryngo-pharyngoscope during tumor

surgery, e.g. in the case of extremely lateral angles when working in the pharynx.

*Prof. emer. W. STEINER, M. D.,
Universitäts-Hals-Nasen-Ohrenklinik,
Göttingen, Germany*



8575 L

8575 L

Support Table, GÖTTINGEN model,
for Laryngoscope Holders 8575 K/KC, 8574 KT/KW,
autoclavable

including:

Swivel Arm, with movable plate

Holding Rod, for height adjustment

Attachment Blocks, can be mounted on operation
table equipped with standard sliding rail 25 x 10 mm

Components/Spare Parts see chapter 13

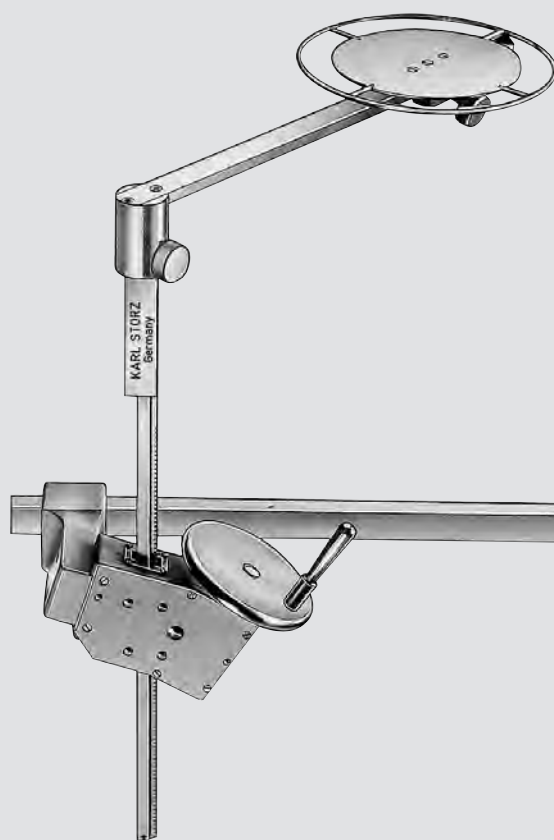
Chest Supports

for Laryngoscope Holders

Chest Support, LÜBECK model

Special Features:

- Movable plate for Chest Supports 8575 K/KC, 8574 KT/KW
- Swivel holding arm
- Fine gear system complements height adjustment of chest support
- Ideal for children
- Support plate with lateral ring for attaching Tongue Spatula 743910 – 744405 for adenoidectomy and tonsillectomy



8585 S

8585 S

Chest Support, LÜBECK model, with gear system for height adjustment and swivel arm with movable plate, for use with Laryngoscope Chest Supports 8575 K/KC, 8574 KT/KW, can be mounted on OR table equipped with standard sliding rail 25 x 10 mm

LaryngoFIT® Instruments

completely detachable

The missing piece of the puzzle

The new generation of ENT forceps from KARL STORZ

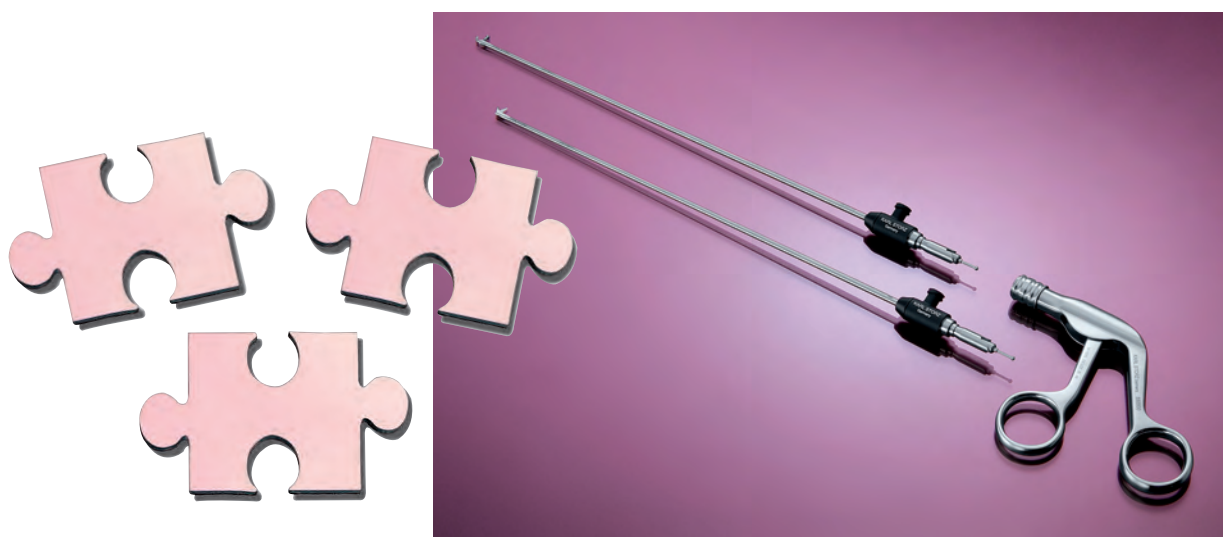


The reprocessing of instruments is increasingly being viewed in a critical light.

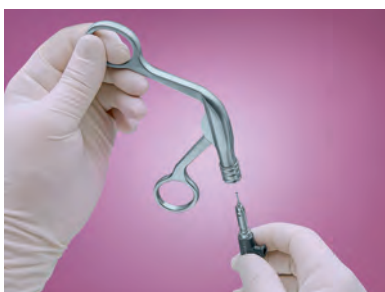
With the LARYNGOFIT® ENT forceps from KARL STORZ, one hand movement is enough to separate the working insert from the handle. The result is 2 easy-to-clean

instrument parts, without dirt traps or inaccessible channels.

The instruments can be reassembled just as quickly and easily as they can be dismantled.



Dismantling the instrument in 2 simple steps: Push the slide back...



...and pull the working attachment out of the handle.



Specially developed cleaning racks, in which the separate parts of the LARYNGOFIT® can be connected directly to the rinsing system, ensure thorough reprocessing.

LaryngoFIT® Instruments

completely detachable



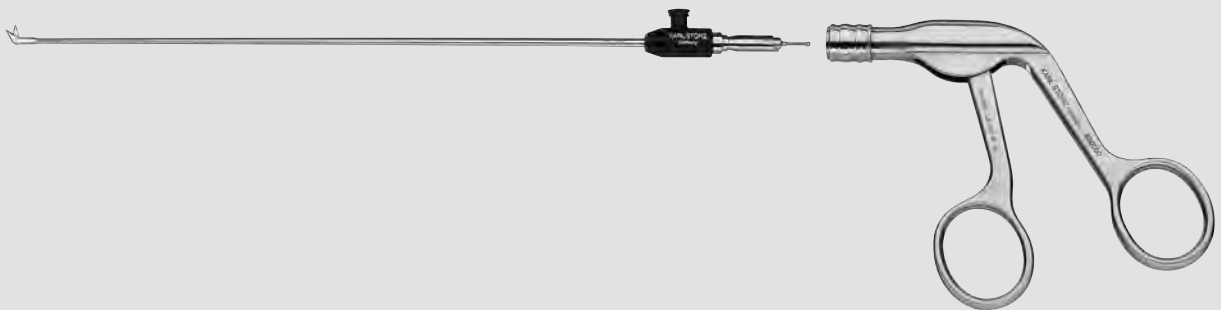
Special Features:

- Completely detachable
- Easy dismantling and reassembly
- Easy and efficient cleaning also by means of the LUER-Lock connection
- Economic advantages due to compatibility with all working attachments
- Well-balanced handle with ergonomic design
- Great variety of working inserts
- Inserts can be locked into three different positions

Two-piece design

LARYNGOFIT® instruments can be completely disassembled into separate components:

- Handle
- Working attachment

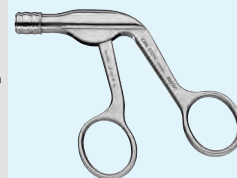




Working Attachment

for use with
Metal Handle

Working length 23 cm



LARYNGOFIT® KLEINSASSER Forceps, with cupped jaws, 2 mm

	8591 AZ	straight
	8591 BZ	curved upwards
	8591 CZ	curved to right
	8591 DZ	curved to left

LARYNGOFIT® KLEINSASSER Grasping Forceps, serrated

	8593 AZ	straight
	8593 BZ	curved to right
	8593 CZ	curved to left
	8593 EZ	curved upwards

LARYNGOFIT® KLEINSASSER Scissors

	8594 AZ	straight
	8594 BZ	angled 45°
	8594 CZ	curved to right
	8594 DZ	curved to left

550000

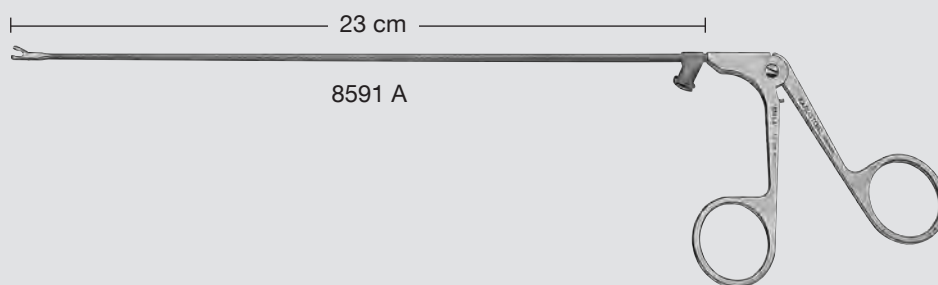
Please note:

Metal Handle 550000 is **not** included in delivery. Please order separately.

Working length 23 cm

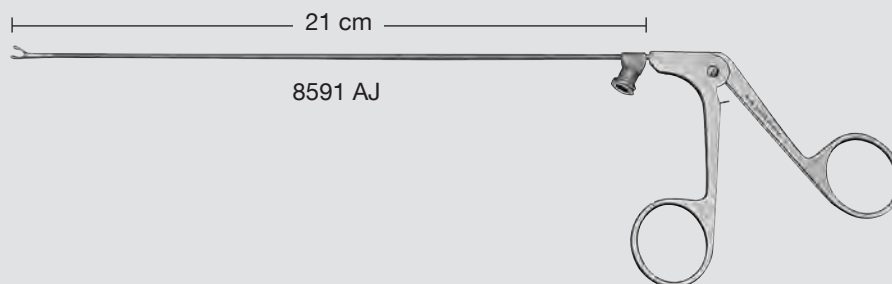
Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



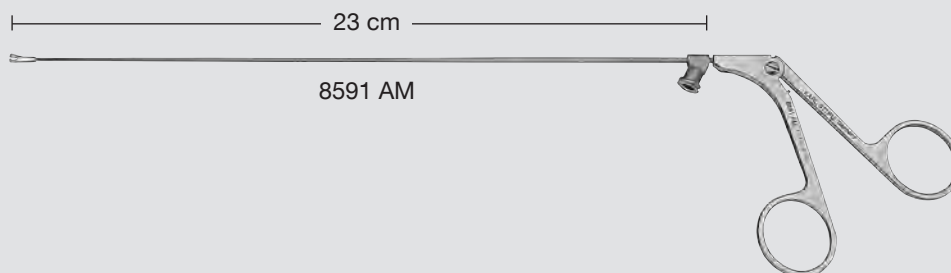
	8591 A	KLEINSASSER Cutting Forceps , straight, with 2 mm cupped jaws, with cleaning connector, working length 23 cm
	8591 B	Same , curved upwards
	8591 C	Same , curved to right
	8591 D	Same , curved to left
	8591 EA	KLEINSASSER Forceps , with straight cutting edge for tangential removal of polyps on vocal cords edge, curved upwards to right, with 2 mm cupped jaws, with cleaning connector, working length 23 cm
	8591 FA	Same , curved upwards to left

Working length 21 cm, for adolescents



	8591 AJ	KLEINSASSER Forceps , straight, with 2 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 21 cm
	8591 CJ	Same , curved to right
	8591 DJ	Same , curved to left

Working length 23 cm



	8591 AM	KLEINSASSER Miniature Forceps , straight, with 1 mm cupped jaws, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm
	8591 BM	Same , curved upwards
	8591 CM	Same , curved to right
	8591 DM	Same , curved to left
	8591 EM	Same , curved upwards to right
	8591 FM	Same , curved upwards to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

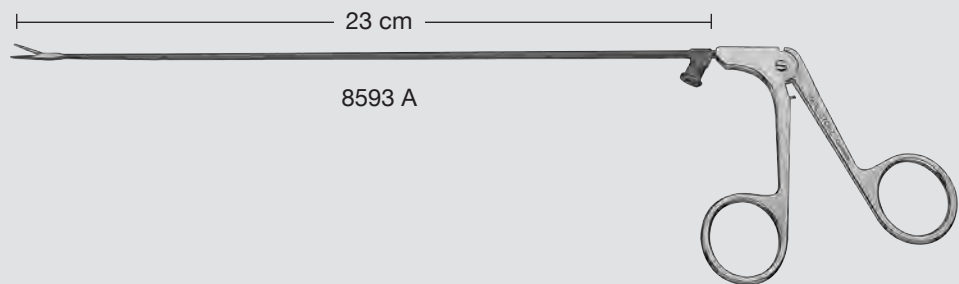
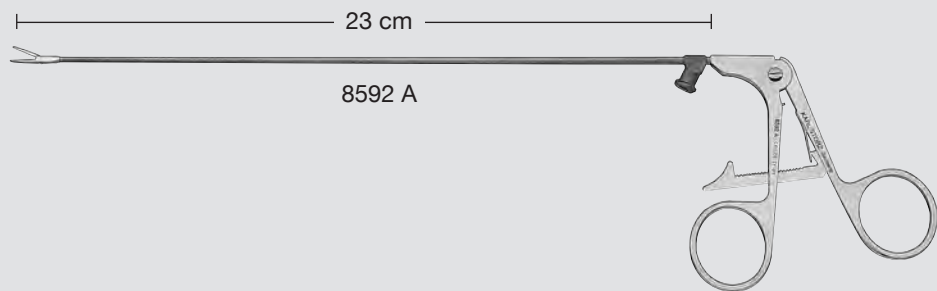
KLEINSASSER Original Instruments

for endolaryngeal microsurgery

Working length 23 cm

Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



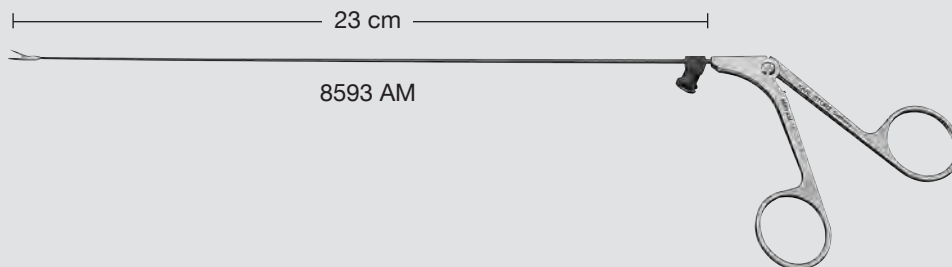
	8592 A	KLEINSASSER Artery Forceps , with ratchet, with cleaning connector, working length 23 cm
	8593 A	KLEINSASSER Grasping Forceps , without ratchet, serrated, straight, with cleaning connector, working length 23 cm
	8593 B	Same , curved to right
	8593 C	Same , curved to left
	8593 E	Same , curved upwards
	8593 G	Same , with triangular jaws, curved upwards to right
	8593 H	Same , curved upwards to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

KLEINSASSER Original Instruments

for endolaryngeal microsurgery

Working length 23 cm



8593 AM

KLEINSASSER Miniature Grasping Forceps, straight, serrated, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 23 cm



8593 BM

Same, curved to right



8593 CM

Same, curved to left

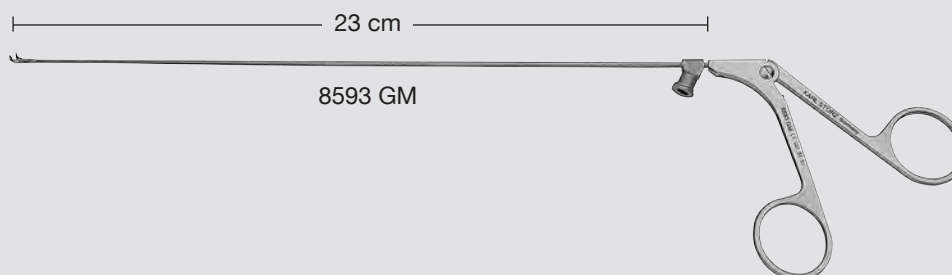


8593 EM

Same, curved upwards

Special Features:

- Extra fine grasping forceps, with triangular fenestrated jaws, curved upwards to right or left



8593 GM

Miniature Grasping Forceps, extra delicate, serrated, with triangular jaws, curved upwards to right, with cleaning connector, working length 23 cm



8593 HM

Same, curved upwards to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

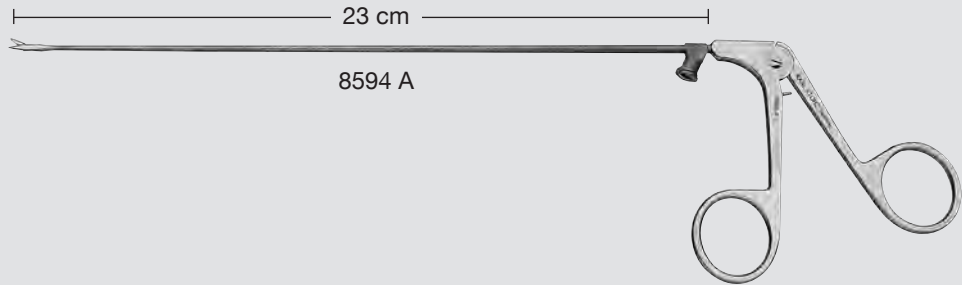
KLEINSASSER Original Instruments

for endolaryngeal microsurgery

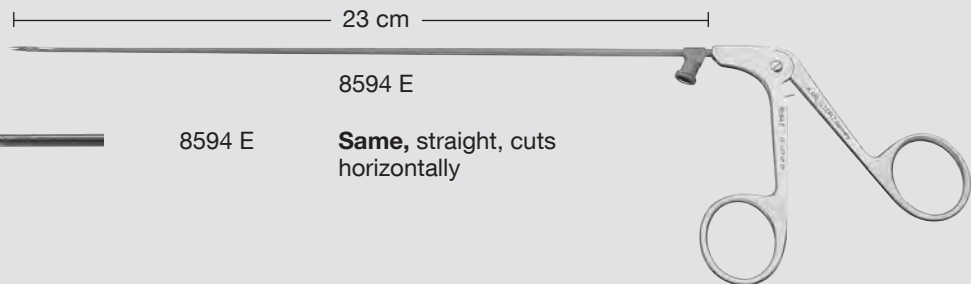
Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability

Working length 23 cm

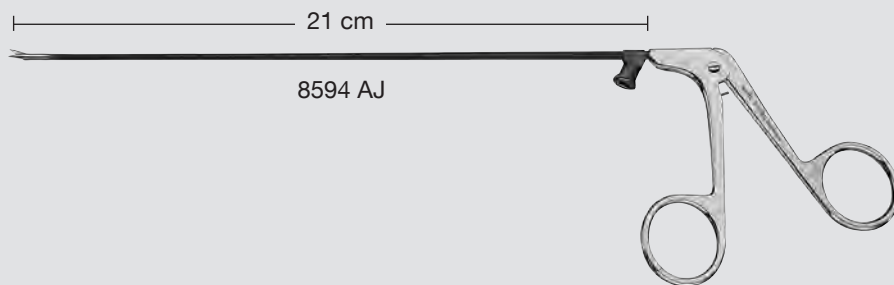


- | | | |
|--|---------|---|
| | 8594 A | KLEINSASSER Scissors , straight, with cleaning connector, working length 23 cm |
| | 8594 BB | Same , angled 15° |
| | 8594 B | Same , angled 45° |
| | 8594 C | Same , curved to right |
| | 8594 D | Same , curved to left |



- | | | |
|--|--------|---|
| | 8594 E | Same , straight, cuts horizontally |
|--|--------|---|

Working length 21 cm, for adolescents



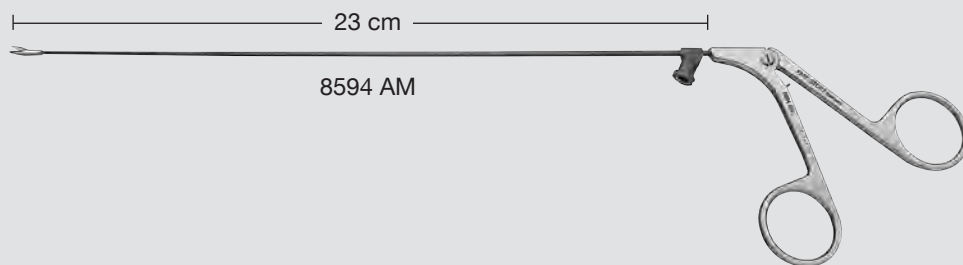
- | | | |
|--|---------|--|
| | 8594 AJ | KLEINSASSER Scissors , straight, sheath conically reinforced from distal to proximal end, with cleaning connector, working length 21 cm |
| | 8594 CJ | Same , curved to right |
| | 8594 DJ | Same , curved to left |

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Working length 23 cm

Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



8594 AM

KLEINSASSER **Miniature Scissors**, straight, with cleaning connector, working length 23 cm



8594 BM

Same, angled 45°



8594 CM

Same, curved to right



8594 DM

Same, curved to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

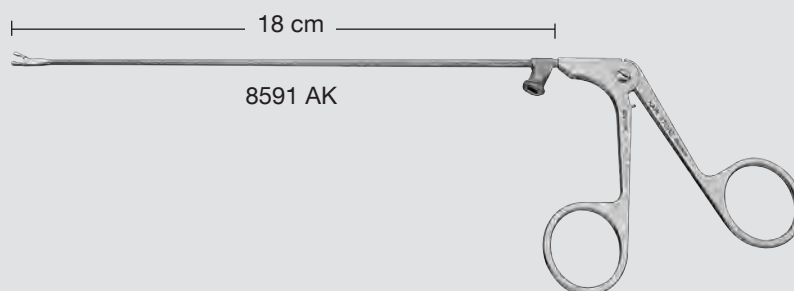
Instruments for Children

for endolaryngeal microsurgery

Working length 18 cm

Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability

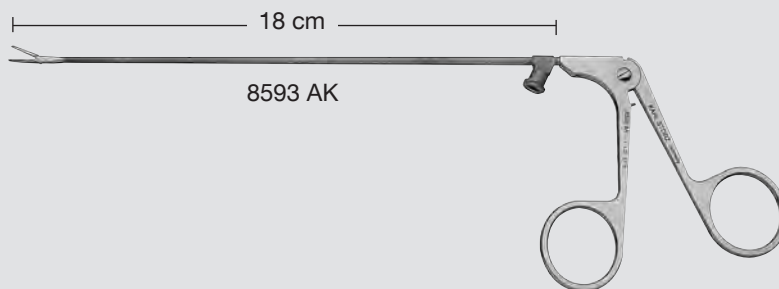








	8591 AK	KLEINSASSER Forceps , straight, with cupped jaws, 2 mm, with cleaning connector, working length 18 cm
	8591 BK	Same , upturned
	8591 CK	KLEINSASSER Forceps , curved to right, with cupped jaws, 2 mm, with cleaning connector, working length 18 cm
	8591 DK	Same , curved to left

Instruments for Children

for endolaryngeal microsurgery

Working length 18 cm



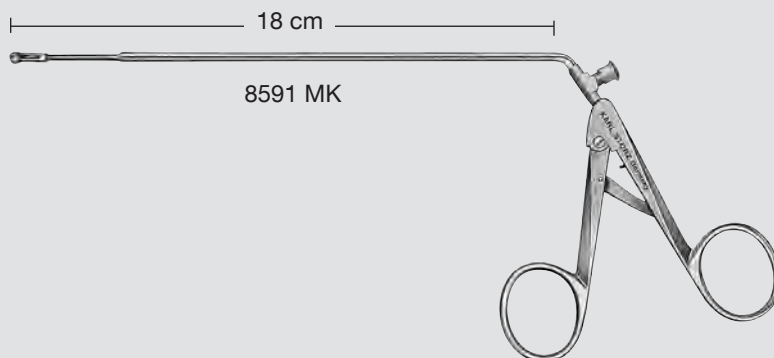
	8593 AK	KLEINSASSER Grasping Forceps , straight, serrated, with cleaning connector, working length 18 cm
	8593 GK	Micro Grasping Forceps , curved upwards to right, serrated, with triangular fenestrated jaws, with cleaning connector, working length 18 cm
	8593 HK	Same , curved upwards to left
	8594 AK	KLEINSASSER Scissors , straight, with cleaning connector, working length 18 cm
	8594 CK	Same , curved to right
	8594 DK	Same , curved to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Instruments for Children

for endolaryngeal microsurgery

Working lengths 18 and 20 cm



8591 MK



8591 MK

Spoon Forceps, jaws open horizontally, distal end malleable, diameter 4 mm, with cleaning connector, working length 18 cm



8660 AK



8660 AK

Grasping Forceps, for arytenoid cartilage, serrated, width of jaws 5 mm, with cleaning connector, working length 20 cm

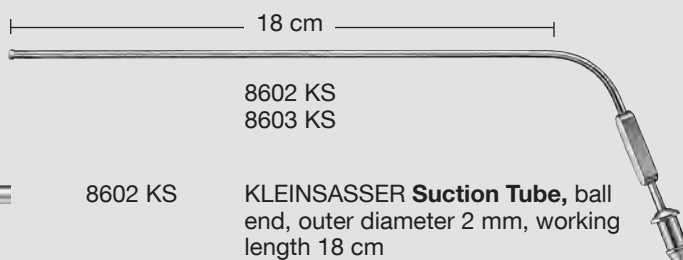


27200 SK



27200 SK

Injection Cannula, short tip, LUER-Lock, tip outer diameter 1 mm, inner diameter 0.7 mm, working length 18 cm, for single use, package of 3



8602 KS
8603 KS



8602 KS

KLEINSASSER Suction Tube, ball end, outer diameter 2 mm, working length 18 cm

8603 KS

Same, outer diameter 3 mm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

KLEINSASSER LASER Additional Instruments,

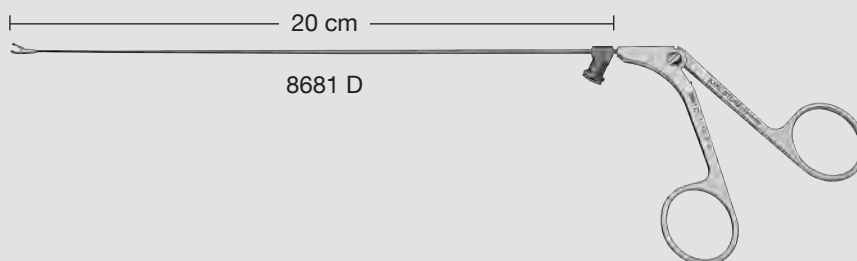
modified by SHAPSHAY-HEALY






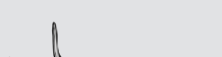


for laryngoscopy during micro spot LASER treatment

Working length 20 cm

Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



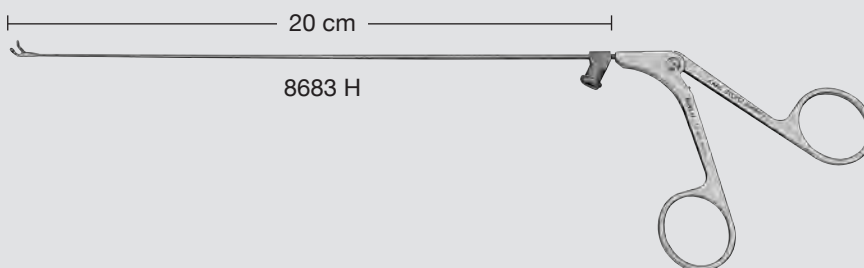
	8681 A	Micro Forceps , straight, with 1 mm cupped jaws, with cleaning connector, working length 20 cm
	8681 B	Same , curved upwards
	8681 C	Same , curved to right
	8681 D	Same , curved to left
	8683 A	Micro Grasping Forceps , straight, serrated, with cleaning connector, working length 20 cm
	8683 B	Same , curved upwards
	8683 C	Same , curved to right
	8683 D	Same , curved to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Working length 20 cm

Special Features:

- Distal end thinner than proximal end to provide better viewing
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



8683 G

SHAPSHAY-PERETTI Micro Grasping Forceps, curved upwards to right, serrated, with triangular fenestrated jaws, with cleaning connector, working length 20 cm



8683 H

Same, curved upwards to left



8684 A

Micro Scissors, straight, with cleaning connector, working length 20 cm



8684 B

Same, curved upwards



8684 C

Same, curved to right



8684 D

Same, curved to left



8686 A

Micro Grasping Forceps, straight, hollow jaws, serrated tips, opens horizontally to right, with cleaning connector, working length 20 cm



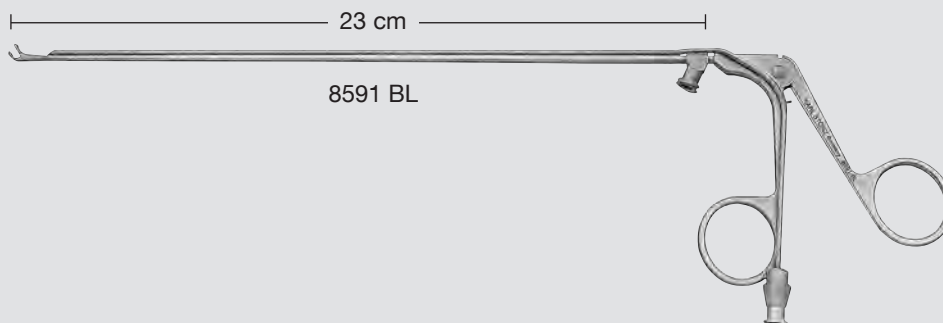
8687 A

Micro Alligator Forceps, both jaws open vertically, with suction channel to remove LASER vapors, with cleaning connector, working length 20 cm

Working length 23 cm

Special Features:

- All instruments are equipped with a channel for the evacuation of LASER vapors
- Distal end thinner than proximal end to provide better viewing
- Special matt finish
- Sheath conically reinforced from distal to proximal end to increase mechanical stability



8591 AL

Spoon Forceps, straight, diameter 2 mm, with cleaning connector, working length 23 cm, with suction channel to remove LASER vapors



8591 BL

Same, curved upwards



8591 RL

Spoon Forceps, opens horizontally to right, diameter 2 mm, with cleaning connector, working length 23 cm, with suction channel to remove LASER vapors



8591 SL

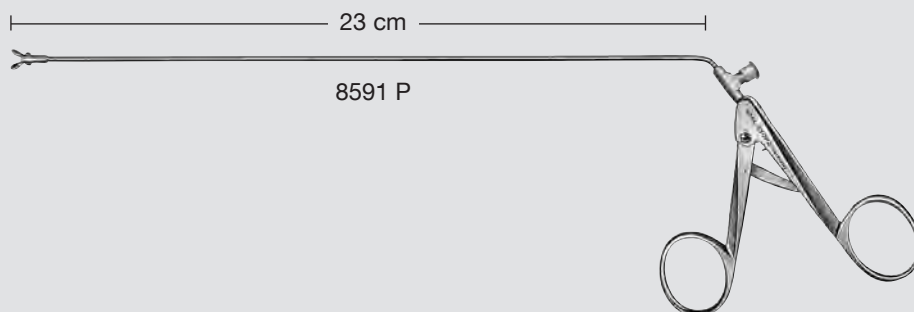
Same, opens horizontally to left

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Instruments

for endolaryngeal microsurgery

Working length 23 cm



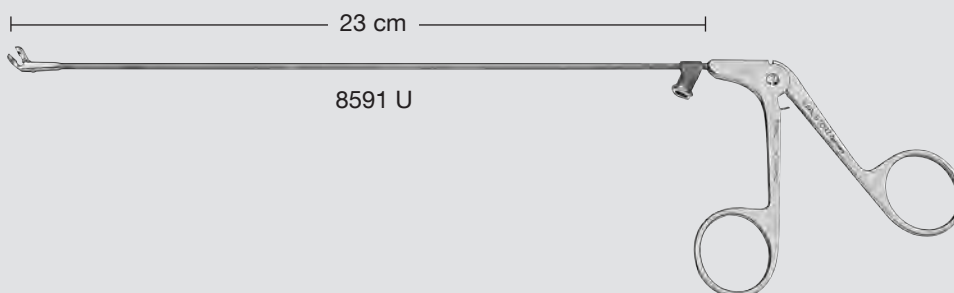
8591 P

Spoon Forceps, diameter 5 mm, robust model, double action jaws, sheath diameter 2.5 mm, with cleaning connector, working length 23 cm



8591 PL

Forceps, spoon-shaped, oval, width 4 mm, fenestrated, for biopsy, double action jaws, sheath diameter 2.5 mm, with cleaning connector, working length 23 cm



8591 T

Spoon Forceps, diameter 4 mm, straight, robust model, single action jaws, with cleaning connector, working length 23 cm



8591 U

Same, curved upwards



8591 V

Same, curved to right



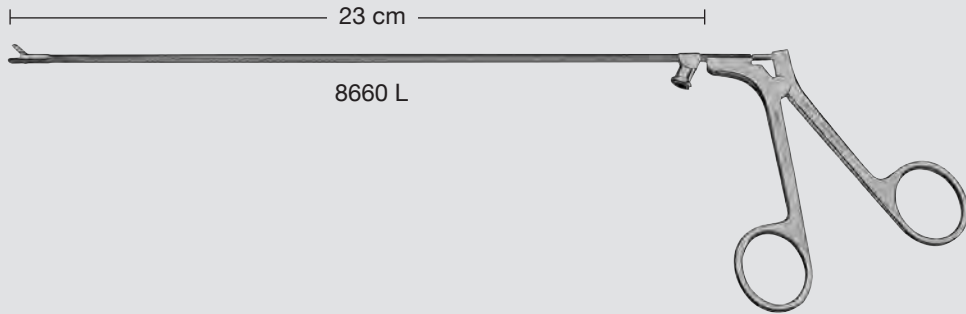
8591 W

Same, curved to left

Instruments

for endolaryngeal microsurgery

Working length 23 cm



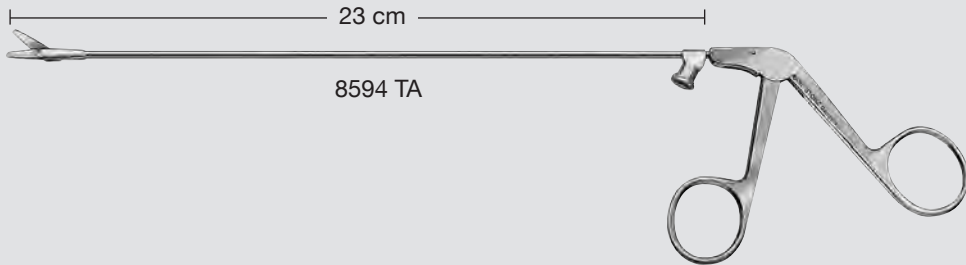
8660 H

KLEINSASSER Forceps, robust model with alligator jaws, single action jaws, with cleaning connector, working length 23 cm



8660 L

KLEINSASSER Laryngeal Biopsy Forceps, robust model with oval jaws, size 3 x 4 mm, single action jaws, with cleaning connector, working length 23 cm



8594 TA

LARYNGOFORCE® II Scissors for Large Tumors, straight, robust model, cutting blade 10 mm, sheath diameter 3 mm, with cleaning connector, working length 23 cm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

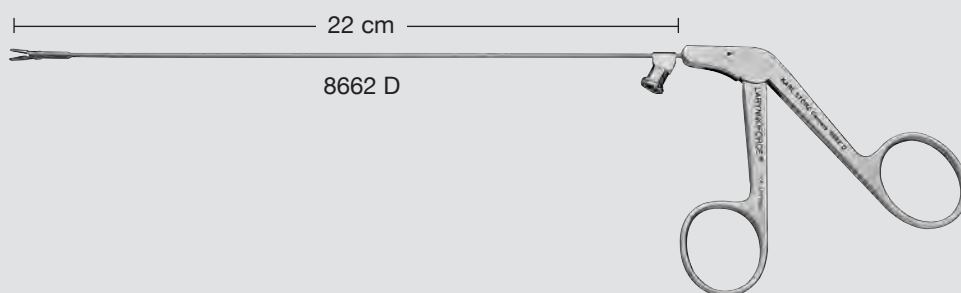
STEINER Original Instruments

for transoral LASER micro surgery

Grasping forceps for the grasping of tissue are available in five different sizes, also with a version featuring an integrated smoke evacuation tube.

All instruments are manufactured with a special matt finish that is particularly advantageous for photo or video documentation as interfering reflections are eliminated.

*Prof. W. STEINER, M. D.,
Universitäts-Hals-Nasen-Ohrenklinik, Göttingen, Germany*



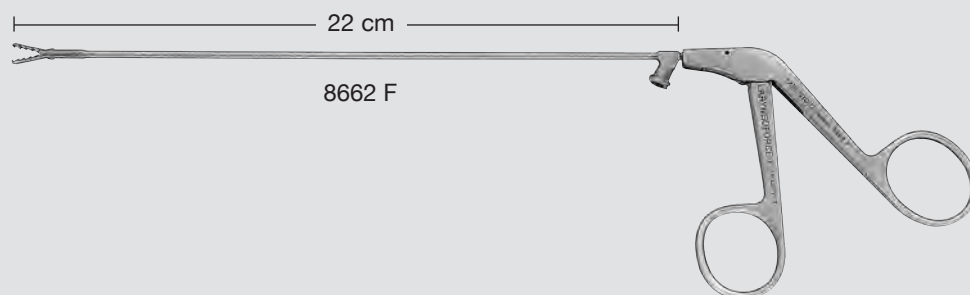
8662 D

LARYNGOFORCE® II Grasping Forceps, delicate, serrated, special matt finish, with cleaning connector, working length 22 cm



8662 E

LARYNGOFORCE® II Grasping Forceps, with oval alligator jaws, small, special matt finish, with cleaning connector, working length 22 cm



8662 F

LARYNGOFORCE® II Grasping Forceps, with oval alligator jaws, medium, special matt finish, with cleaning connector, working length 22 cm



8662 FL

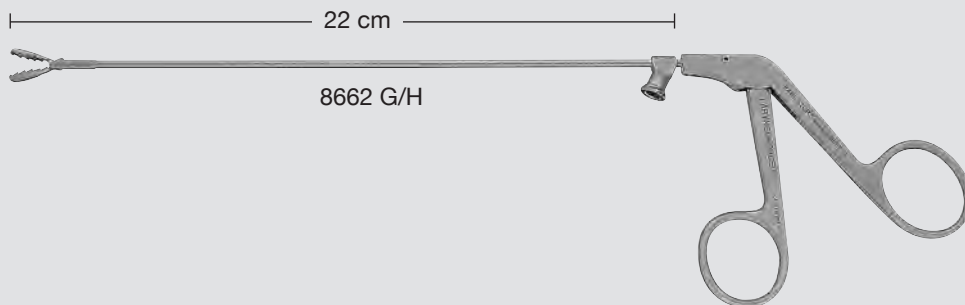
Same, medium, with suction channel to remove LASER vapors

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

STEINER Original Instruments

for transoral LASER microsurgery

Working length 22 cm



8662 G

LARYNGOFORCE® II Grasping Forceps, with oval, fenestrated alligator jaws, large, special matt finish, with cleaning connector, working length 22 cm



8662 GL

Same, with suction channel to remove LASER vapors



8662 H

LARYNGOFORCE® II Grasping Forceps, with triangular, fenestrated alligator jaws, extra large, special matt finish, with cleaning connector, working length 22 cm



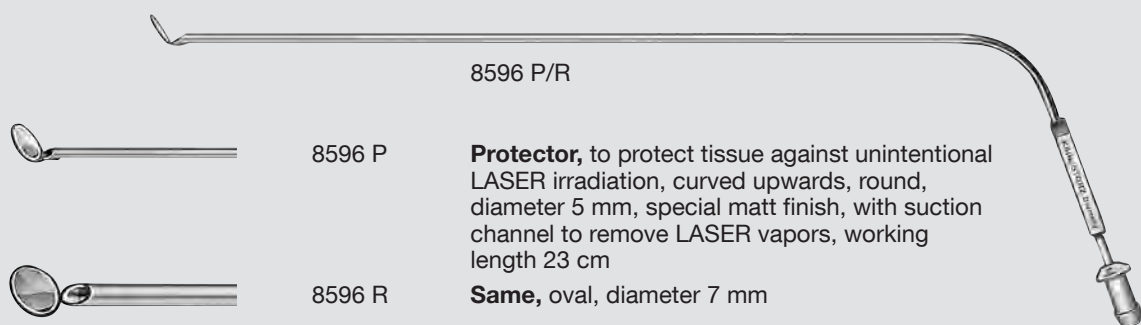
8662 HL

Same, with suction channel to remove LASER vapors

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

Special Features:

- **Protectors to shield against unintentional LASER irradiation. Available in sizes 5 and 7 mm, each with an integrated suction tube.**
- **Unipolar coagulation suction tubes, also suitable for dissecting and retracting tissue, insulated, with cleaning stylet, available in diameters 2, 2.5 and 3.5 mm**
- **Suction tube with retractor for retracting tissue during LASER incisions**



8596 P/R

8596 P

Protector, to protect tissue against unintentional LASER irradiation, curved upwards, round, diameter 5 mm, special matt finish, with suction channel to remove LASER vapors, working length 23 cm

8596 R

Same, oval, diameter 7 mm



8606 D – F

8606 K



8606 D

Coagulation Suction Tube, with ergonomic handle, insulated, with connection for unipolar coagulation, with Cleaning Stylet 8606 FM, outer diameter 2 mm, working length 23 cm



8606 E

Coagulation Suction Tube, with ergonomic handle, insulated, with connection for unipolar coagulation, with Cleaning Stylet 8606 FM, outer diameter 2.5 mm, working length 23 cm



8606 F

Coagulation Suction Tube, with ergonomic handle, insulated, with connection for unipolar coagulation, with Cleaning Stylet 8606 FM, outer diameter 3.5 mm, working length 23 cm



8606 K

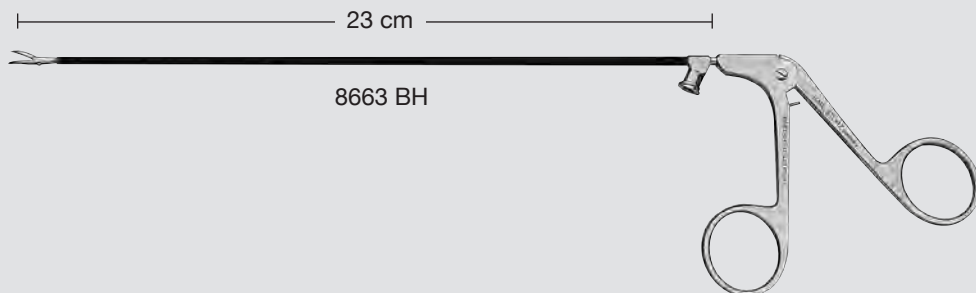
Suction Tube, with ergonomic handle, with distal elevator 18 x 5 mm, for protecting and retracting tissue, special matt finish, with Cleaning Stylet 8606 FM, outer diameter 3 mm, working length 23 cm

Please note:

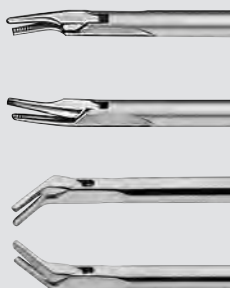
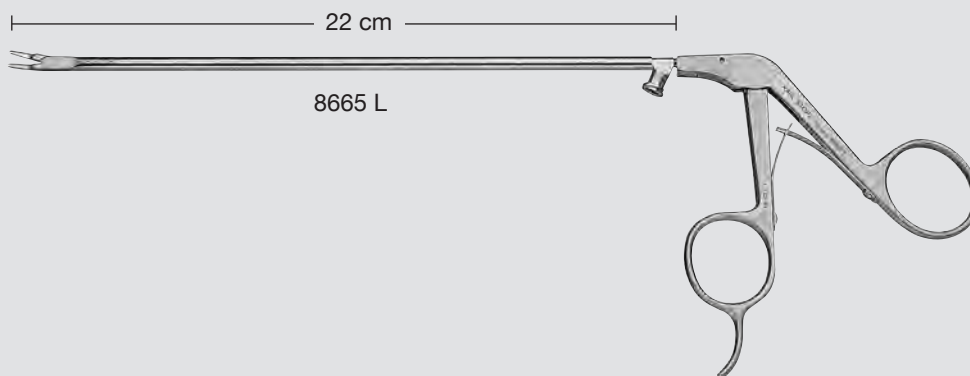
Simultaneous use of insulated instruments and LASER is prohibited.

STEINER Original Instruments

for transoral LASER microsurgery



- | | |
|---------|---|
| 8663 AH | Grasping Forceps , straight, serrated, with cleaning connector, working length 23 cm |
| 8663 BH | Same , curved to right |
| 8663 CH | Same , curved to left |



- | | |
|---------|--|
| 8665 L | LARYNGOFORCE® II Clip Forceps , jaws curved to left, with cleaning connector, working length 22 cm, for use with Clip 8665 T |
| 8665 R | Same , jaws curved to right |
| 8665 LL | LARYNGOFORCE® II Clip Forceps , jaws curved 45° to left, with cleaning connector, working length 22 cm, for use with titanium Clip 8665 T |
| 8665 RR | Same , jaws curved to right |



- | | |
|--------|--|
| 8665 T | Clip , titanium LT 200, medium, 5 mm, sterile, package of 36 cartridges with 6 clips each |
|--------|--|

Please note:

Simultaneous use of insulated instruments and LASER is prohibited.

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

WENDLER Needle Holder

for endolaryngeal microsurgery

When performing surgical interventions in direct laryngoscopy, any necessary endolaryngeal suture is usually complex because the confined space leaves little room for needle guidance. Particularly in the craniocaudal direction, as is the case with suture at the margins of the vocal cords, it can be difficult to place the needle correctly with a straight needle holder because it only allows parallel gripping by the grasping jaws in the direction of the sheath. It twists slightly and does not remain under adequate control.

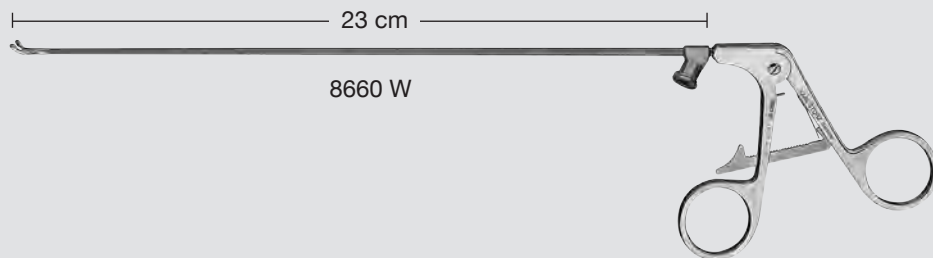
The needle holder bent upward grips the needle in an optimal position and permits punctures in the direction of the sheath without any problems. It is recommended that the tissue to be sewn be tensioned with grasping forceps. For punctures to return the thread outward (caudocranial) both straight and angled needle holders can be used, depending on specific conditions. A knot

pusher for immobilizing the knot is indispensable in all cases.

The new needle holder was initially developed for glottal surgery to shorten the glottis, serving to raise the pitch of the voice in transsexual patients. But also in the case of arytenoidectomy, synechia resections, and traumatic lesions of varying genesis (also during endolaryngeal operations) there is frequently a need for suture in the direction of puncture described.

In all the cases the angled needle holder facilitates puncture guidance to optimally adapt the margins of the mucous membrane in the required plane.

*J. WENDLER,
Universitätsklinikum Charité,
Abteilung für Phoniatrie, Berlin, Germany*



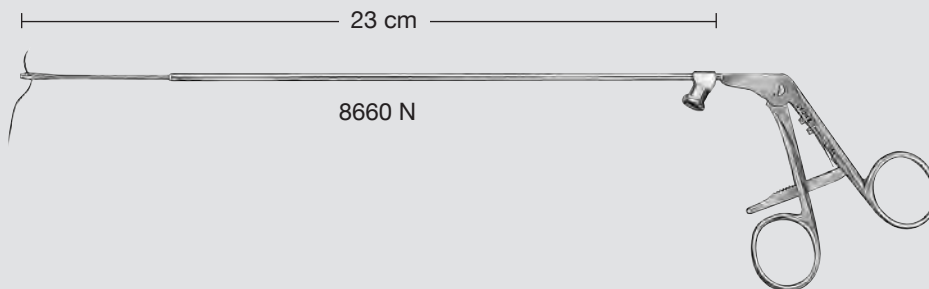
8660 W

WENDLER Needle Holder, delicate, curved upwards, for glottal surgery, arytenoidectomy and other endolaryngeal interventions, sheath conically reinforced from distal to proximal end, with ratchet, with serrated round jaws, diameter 2.5 mm, with cleaning connector, working length 23 cm

KLEINSASSER Needle Holder

for endolaryngeal microsurgery

Working length 23 cm



8660 N

KLEINSASSER Needle Holder, delicate, straight, serrated jaws, size 1.8 x 3.5 mm, sheath conically reinforced from distal to proximal end, with ratchet, with cleaning connector, working length 23 cm

Recommended Cleaning Rack 39220 CA for Instruments with Cleaning Connectors see page 105

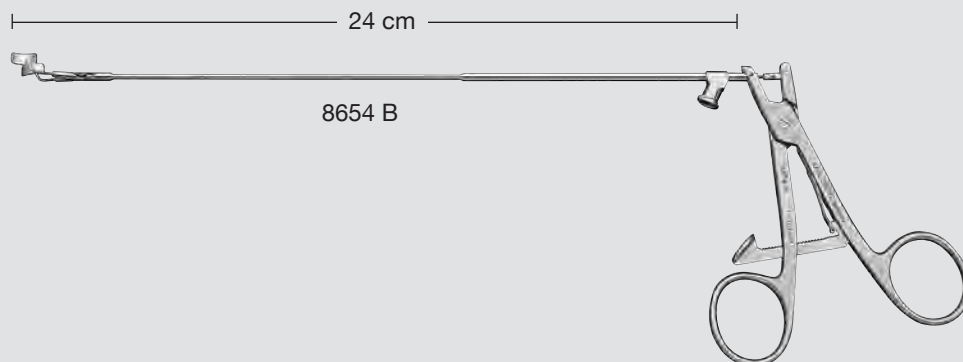
Distending Forceps

LINDHOLM Distending Forceps

In many instances, retraction of the false vocal cords, the true vocal cords or other soft tissue is temporarily needed during an endoscopic procedure. For LASER surgery of limited vocal cord carcinoma it is, for instance, very convenient to be able to visualize more of the upper surface of the vocal cords by retraction of the false vocal cords. Similar retraction of the true vocal cords gives better access to subglottic pathology.

For endoscopic surgery the key problem is often the difficulty of obtaining access to the target. These retractors are a valuable addition to the wide range of new endoscopic instruments which enables further versatility of endoscopic procedures.

*C.-E. LINDHOLM, M. D.,
Uppsala, Sweden*



8654 B

LINDHOLM Distending Forceps, for retraction of true vocal cords and false vocal cords, distal end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 24 cm



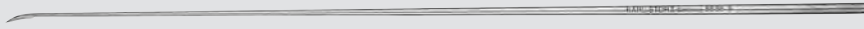
8654 BK

Distending Forceps, for retraction of true vocal cords and false vocal cords in pediatrics, distal end with blunt curved blades, self-retaining, with ratchet and cleaning connector, working length 20 cm

WOO/SHAPSHAY/OSSOFF Microsurgical Instrument Set for Phonosurgery

Special Features :

- Universal handle is fully adjustable, providing various working lengths
- Instruments in the universal handle can be rotated 360°



8656 A



8656 A

Sickle Knife, curved, delicate, 3 to 1 mm tapered shaft, length 23 cm



8656 B

Same, straight cutting



8656 C

Round Knife, vertical cutting, delicate, 3 to 1 mm tapered shaft, length 23 cm



8656 D

Lancet Knife, straight, delicate, 3 to 1 mm tapered shaft, length 23 cm



8656 E

Needle, straight, sharp, delicate, 3 to 1 mm tapered shaft, length 23 cm



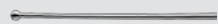
8656 F

Hook 90°, 1 mm, sharp, delicate, 3 to 1 mm tapered shaft, length 23 cm



8656 G

Same, 2 mm



8656 J

Dissector, straight, ball end, delicate, 3 to 0.6 mm tapered shaft, diameter 1.3 mm, length 23 cm

WOO/SHAPSHAY/OSSOFF Microsurgical Instrument Set for Phonosurgery



8656 L **Elevator**, slightly curved, blunt, delicate, 3 to 1 mm tapered shaft, length 23 cm



8656 LS **Same**, sharp tip

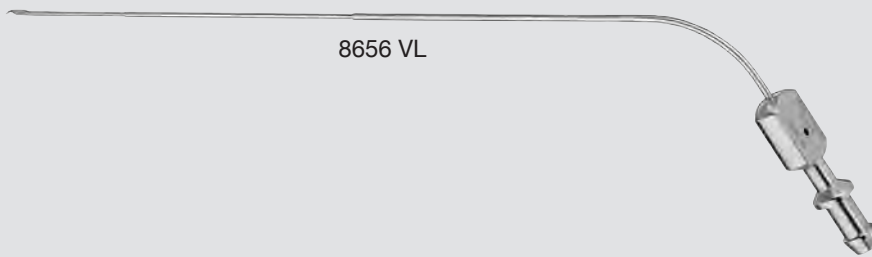


8656 N **Same**, angled 15°



8657 H **Universal Handle**, forceps shape, with 2 handle rings, length 9 cm, for use with 3 mm instruments for phonosurgery and endolaryngeal microsurgery 8595 A – 8596 T, 8655 A – K, 8656 A – S and 8693 A/B

8657 H



8656 VL



8656 VL **Suction Elevator**, angular, with grip plate and cut-off hole, LUER, distal end curved to left, delicate, tapered sheath, working length 21 cm, length 23 cm

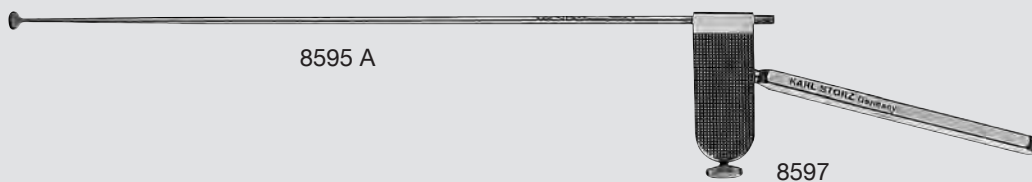






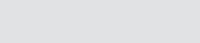
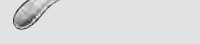
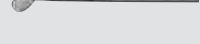


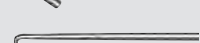
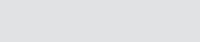
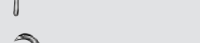
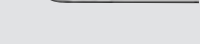
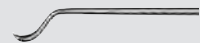
8656 VR **Same**, distal end curved to right

KLEINSASSER Original Instruments

for endolaryngeal microsurgery

KLEINSASSER Instruments, working length 23 cm, for use with Handle 8597

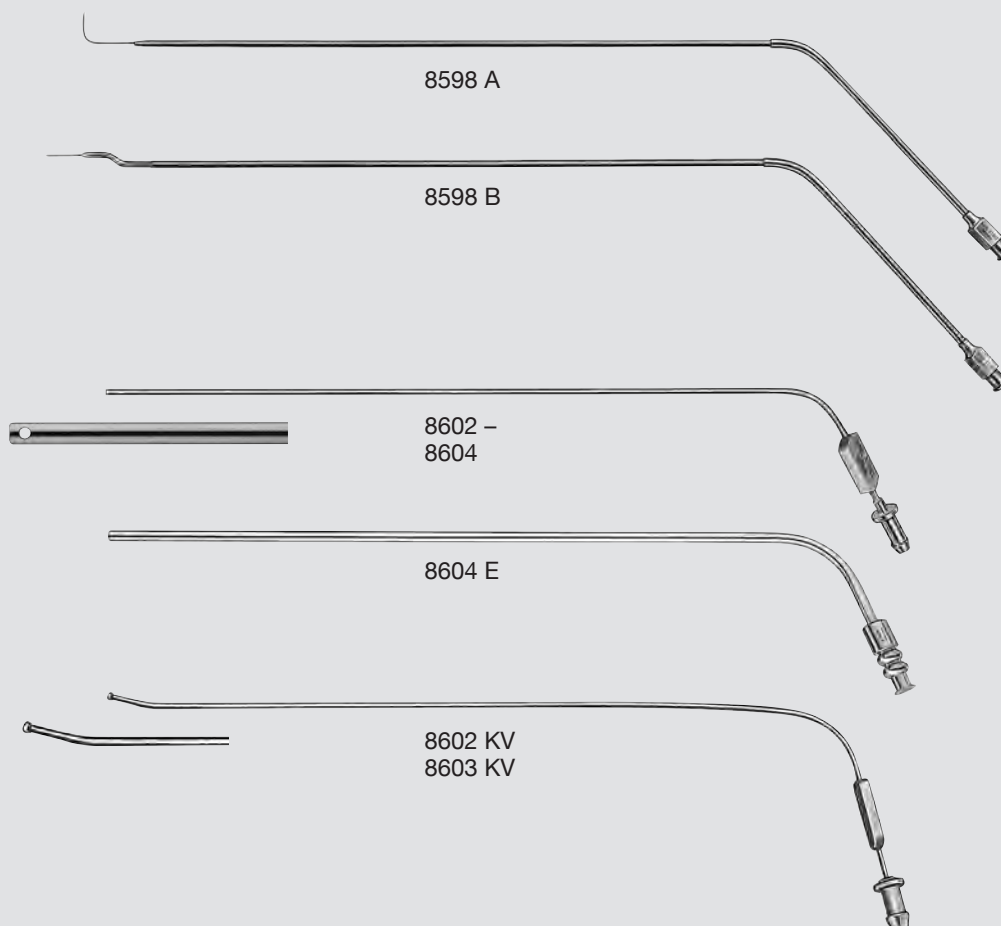


- | | | |
|---|--------|--|
|  | 8595 A | Knife , oval, straight |
|  | 8595 B | Knife , oval, angled 45° |
|  | 8595 C | Knife , sickle-shaped, curved, pointed |
|  | 8595 D | Knife , straight cut, pointed |
|  | 8595 E | Knife , golf club-shaped, curved, round |
|  | 8595 F | Knife , round, vertical cutting |
|  | 8595 G | Knife , triangular, pointed, backward cutting |
|  | 8596 A | Hook , blunt, with probe end |
|  | 8596 B | Hook , sharp, with probe end |
|  | 8596 C | Hook , blunt, angled 90°, with probe end, length 5 mm |
|  | 8596 E | Ligature Needle , curved to right |
|  | 8596 F | Ligature Needle , curved to left |
|  | 8596 H | Suction Raspatory |
|  | 8596 T | Knot Tier |



- | | |
|------|---|
| 8597 | KLEINSASSER Handle , for use with 8595 A – 8596 T, 8655 A – K, 8656 A – S and 8693 A/B |
|------|---|

Working length 23 cm

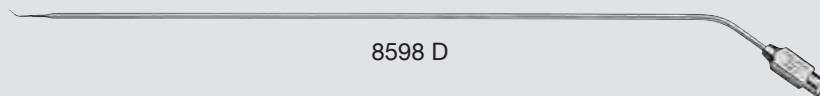


- 8598 A KLEINSASSER **Injection Needle**, LUER-Lock, curved, working length 23 cm
- 8598 B **Same**, straight
- 8602 KLEINSASSER **Suction Tube**, outer diameter 2 mm, working length 23 cm
- 8603 **Same**, outer diameter 2.5 mm
- 8604 **Same**, outer diameter 3 mm
- 8604 E KLEINSASSER **Suction Tube**, outer diameter 4 mm, working length 23 cm

For use with KANTOR-BERCI Video Laryngoscopes

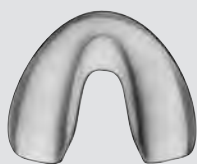
- 8602 KV KLEINSASSER **Suction Tube**, ball end, curved upwards, outer diameter 2 mm, working length 23 cm
- 8603 KV **Same**, outer diameter 3 mm

Working length 23 cm



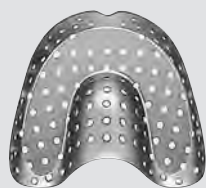
8598 D

8598 D **PERETTI Injection Needle**, distal end
45° curved upwards, LUER-Lock, working
length 23 cm



8575 QS

8575 QS **Teeth Protector, silicone, autoclavable**, can
also be used as inlay in metal teeth protector



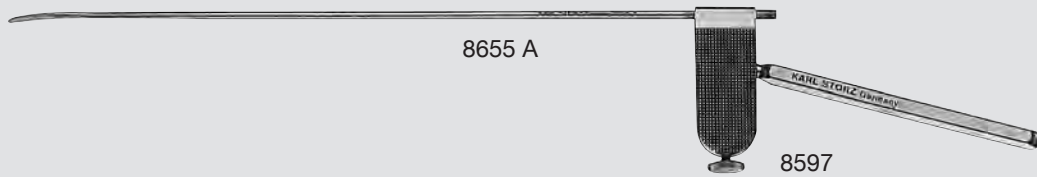
8575 RB/RC

8575 RB **Teeth Protector, metal, medium**
8575 RC **Same, small**

Additional Instruments

for endolaryngeal microsurgery

Working length 23 cm



8655 A

Elevator, slightly curved, working length 23 cm, for use with Handle 8597



8655 C

Same, 90° curved



8655 K

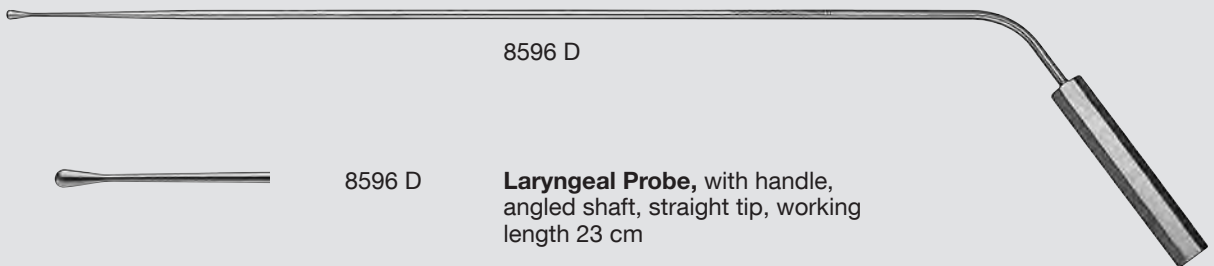
Knife, lancet-shaped, straight, working length 23 cm, for use with Handle 8597



8597

8597

KLEINSASSER Handle, for use with 8595 A – 8596 T, 8655 A – K, 8656 A – S and 8693 A/B



8596 D



8596 D

Laryngeal Probe, with handle, angled shaft, straight tip, working length 23 cm

KLEINSASSER LASER Additional Instruments,

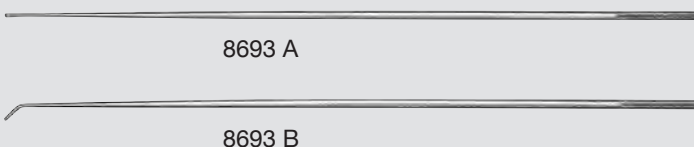
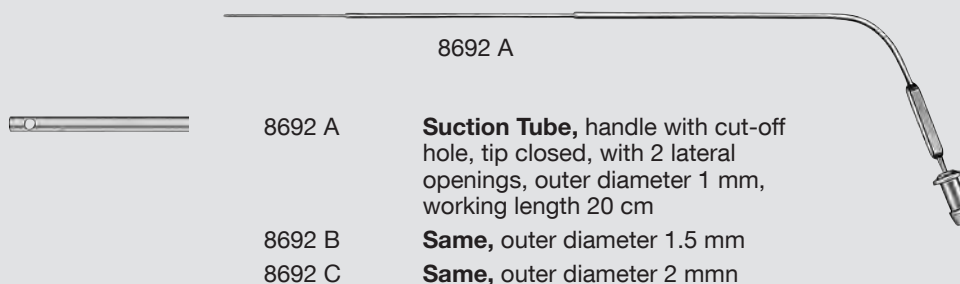
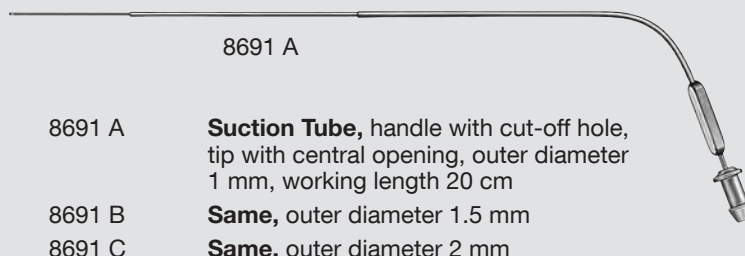
modified by SHAPSHAY-HEALY

for laryngoscopy during micro spot LASER treatment

Working length 20 cm

Special Features:

- Extra fine sheath gradually reinforced from distal to proximal end



- 8693 A **Probe**, straight, diameter 1 mm, working length 20 cm
- 8693 B **Same**, angled 45°



- 8597 **KLEINSASSER Handle**, for use with 8595 A – 8596 T, 8655 A – K, 8656 A – S and 8693 A/B

PERETTI High Pressure Syringe

for fat injection

PIAFI = Primary intracordal autologous fat injection following endoscopic chordectomy for glottal laryngeal carcinoma.

- Chordectomy is the standard treatment for vocal cord carcinoma.
- For voice restoration, it is possible to reconstruct the vocal cords either with synthetic or autologous material. In the case of the PIAFI technique, fat is injected with the PERETTI-BOLZONI instrument. The syringe for fat harvesting lies in the instrument as in a groove.
- Injection is performed by means of a rack-and-pinion mechanism which releases 0.5 ml fat with each cogwheel click.

Operative procedure:

- In the case of the Peretti technique, the surgeon removes subcutaneous abdominal fat.
- Autologous fat is used for the vocal cords after a few minutes.

Benefits of autologous fat injection:

- Less risk of rejection
- Restores the mass of the resected vocal cord
- Cost-efficient



771410

PERETTI High Pressure Syringe, for fat injection including:

High Pressure Handle, for use with Syringe Holder 771412

Syringe Holder, for Plastic Syringe 771415, for use with High Pressure Handle 27200

Pusher

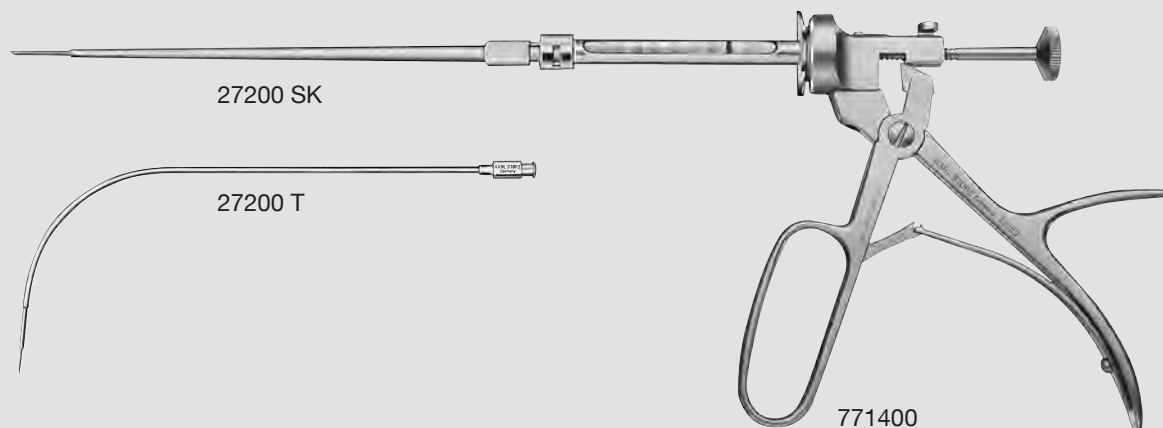
Plastic Syringe, spring-action, self-retaining, 10 ml, sterile, for single use, package of 25

Injection Cannula, angular, LUER-Lock, tip outer diameter 1.3 mm, inner diameter 0.8 mm, working length 20 cm, package of 3

Components/Spare Parts see chapter 13

High Pressure Syringe

for viscous fluid injection, for the larynx



- 771400 **High Pressure Syringe**, for viscous fluid injection including:
High Pressure Handle, for use with Syringe Holder 27201 Q
Adaptor, for injection of viscous fluid, for filling plastic syringe, package of 3
Plastic Syringe, 1 ml, for single use, package of 100
Syringe Holder, for plastic syringe, package of 3
Injection Cannula, LUER-Lock, outer diameter of syringe 1.3 mm, inner diameter 0.8 mm, working length 23 cm, package of 3
- 27200 SK **Injection Cannula**, short tip, LUER-Lock, tip outer diameter 1 mm, inner diameter 0.7 mm, working length 18 cm, for single use, package of 3
- 27200 T **JOUSSEN Larynx Cannula**, curved, LUER-Lock, tip outer diameter 0.6 mm, for collagen application, for single use, package of 3, for use with High Pressure Syringe 771400

Please note:

Collages are injected cool. If the material becomes warm it becomes rigid and can not be made liquid again by recooling.

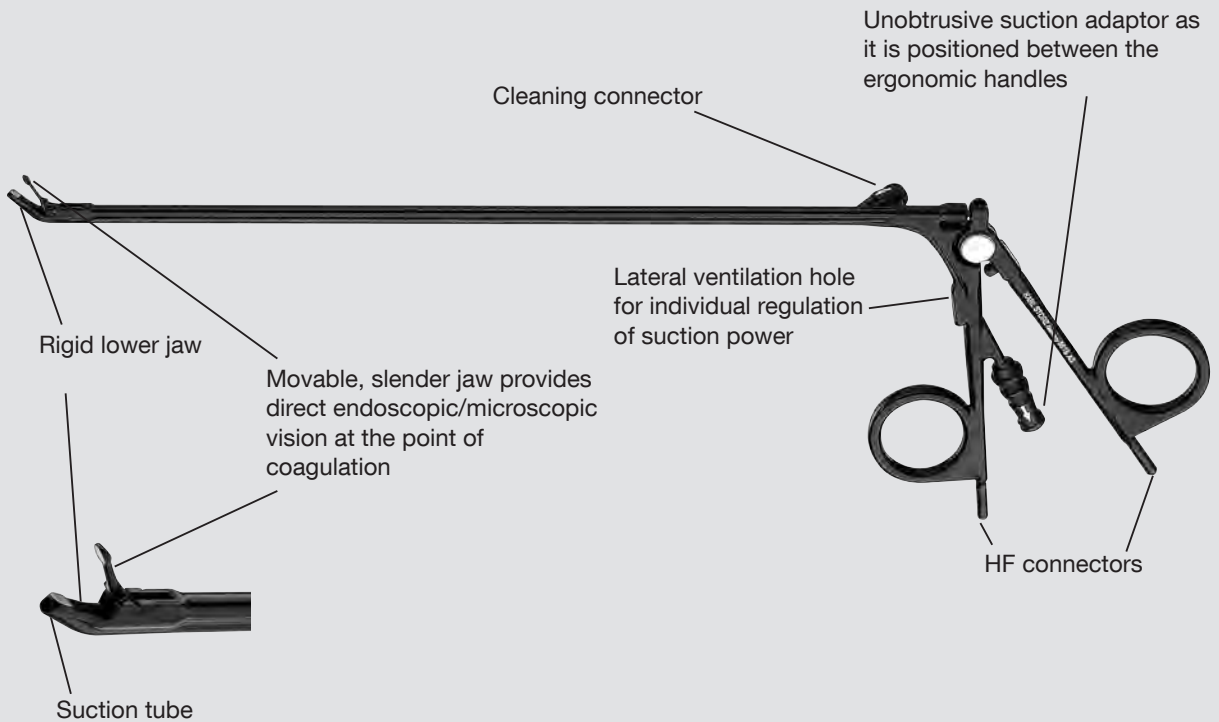
Components/Spare Parts see chapter 13

Bipolar Forceps



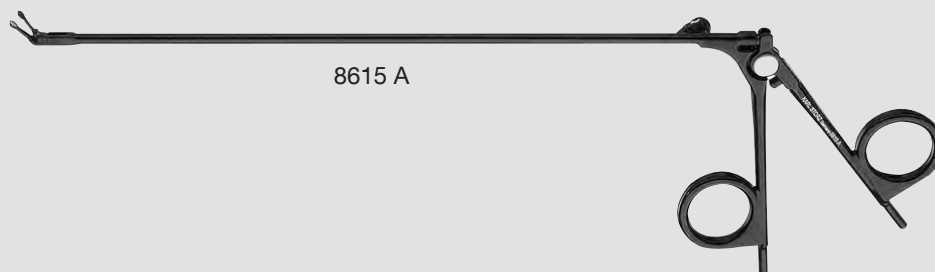
Special Features:

- Design similar to standard paranasal grasping forceps
- Integrated suction channel
- Suction power regulation
- Bipolar coagulation
- Insulated except for small coagulation area on the instrument tip
- Single action jaws
- Distance between cautery poles may be varied, enabling punctual and extensive coagulation
- Design of the movable jaw provides direct endoscopic/microscopic vision at the point of coagulation
- Two instrument heads: angled 15° and 45° to the instrument sheath



Bipolar Forceps

Working length 23 cm

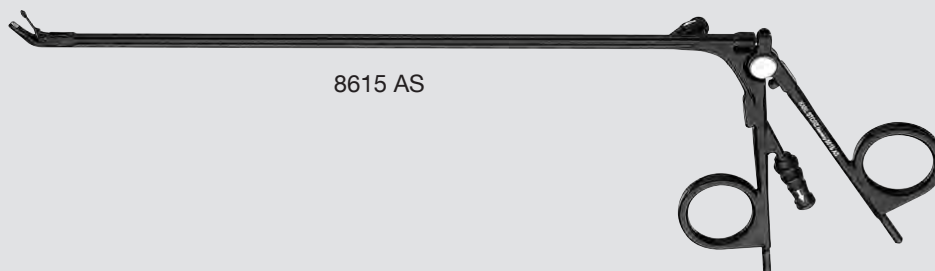


8615 A



8615 A

Bipolar Forceps, jaws 45° upturned, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 A/M/V/U



8615 AS



8615 AS

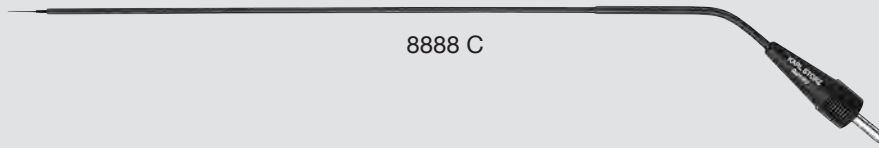
Bipolar Suction Forceps, jaws 45° upturned, with suction channel, for bipolar coagulation in larynx, working length 23 cm, for use with Bipolar High Frequency Cords 847002 E or 847002 A/M/V/U

Bipolar High Frequency Cord see chapter 8, UNITS AND ACCESSORIES

Accessories

for High Frequency Surgical Units

Working length 23 cm



8888 C



8888 B

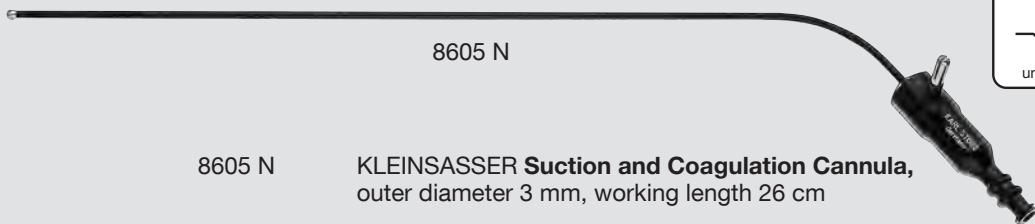
Coagulation Ball Electrode,
straight, diameter 2 mm



8888 C

Cutting Electrode, straight, diameter 0.45 mm

Working length 26 cm



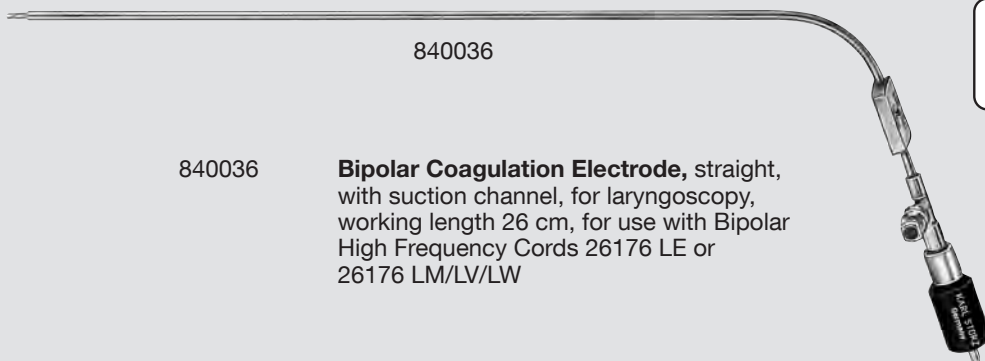
8605 N



unipolar

8605 N

KLEINSASSER Suction and Coagulation Cannula,
outer diameter 3 mm, working length 26 cm



840036



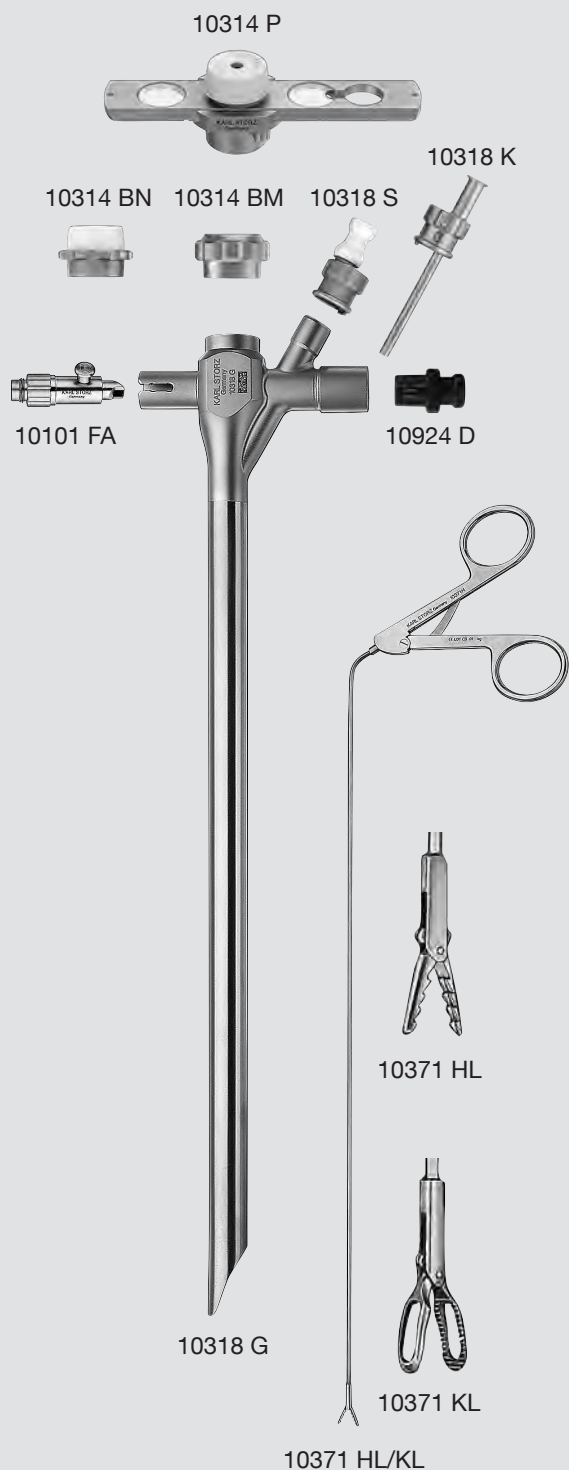
bipolar

840036

Bipolar Coagulation Electrode, straight,
with suction channel, for laryngoscopy,
working length 26 cm, for use with Bipolar
High Frequency Cords 26176 LE or
26176 LM/LV/LW

Electrode Handle 26 5200 43, as well as Unipolar and Bipolar High Frequency Cords
see chapter 8, UNITS AND ACCESSORIES

Full Lumen Operating Tracheoscope



- 10318 G **Full Lumen Operating Tracheoscope**, size 14 mm, length 33 cm
- 10101 FA **Prismatic Light Deflector**, autoclavable, with connection to fiber optic light cable
- 10314 BM **Sealing Cap**, with window
- 10314 BN **Sealing Cap**, with rubber seal
- 10314 P **FLUVOG Adaptor**, with observation window, sealing cap with rubber seal and a window with opening, adjustable
- 10318 K **Injection Cannula**, LUER-Lock, outer diameter 3.5 mm
- 10318 S **Instrument Guide**, for suction catheter
- 10924 D **Adaptor**, for respirator
- 10371 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, double action jaws, sheath diameter 2 mm, working length 45 cm, with LUER-Lock irrigation connector for cleaning
- 10371 KL **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, double action jaws, sheath diameter 2 mm, working length 45 cm, with LUER-Lock irrigation connector for cleaning

More Forceps see chapter 10-11, ESOPHAGOSCOPY – BRONCHOSCOPY

Dilation Tracheoscopes

GRONINGEN Model

Some tracheal stenoses can be treated endoscopically. An intubation laryngoscope, a dilation tracheoscope, telescope and suction tubes are required for this procedure.

The tracheoscope is available with a diameter of 8 mm or 12 mm. The size of the instrument is determined by the size of the larynx and the healthy portion of the trachea. There are numerous tiny openings in the distal end of the instrument which enable air to come through the middle of the stenosis. The proximal end of the instrument is designed in such a way that customary ventilation tubes and a telescope (30 cm) can be connected.

The intervention is carried out under general anesthesia. Following the administration of the anesthesia and with ventilation taking place via the anesthesia mask, the dilation tracheoscope is introduced under endoscopic control. The stenosis is visible through the vocal cords. The design of the tip which can be advanced forward

through the stenosis ensures that the ventilation is maintained during this process. The conical construction of the tip enables the instrument to be advanced carefully up to the wider section of the tracheoscope, whereby the tracheoscope remains in place 5-10 minutes. The intervention is then completed.

Fig. 1 corresponds to the view through the telescope and shows the proximal part of the tracheal stenosis. The vocal cords are at the front of the picture. In Fig. 2 the stenosis can be seen in detail. Fig. 3 shows the stenosis following the dilation; Fig. 4 the healthy, distal trachea.

The constellation of instruments is suitable for treating most medium-sized stenoses (Myer-Corton 2nd degree). The intervention can be repeated after 6-24 months without difficulty.

F. G. DIKKERS, M.D., Groningen, The Netherlands



Fig. 1

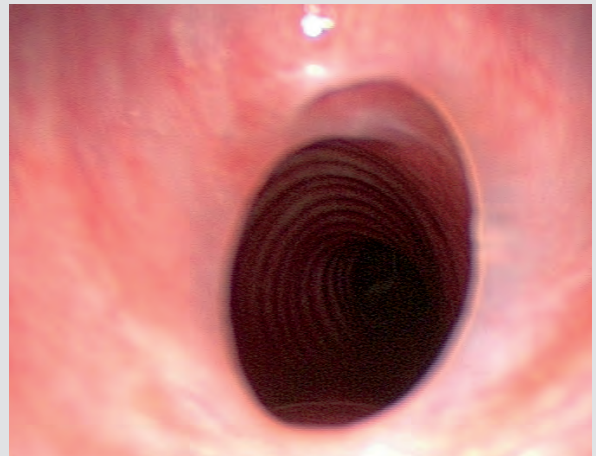


Fig. 2

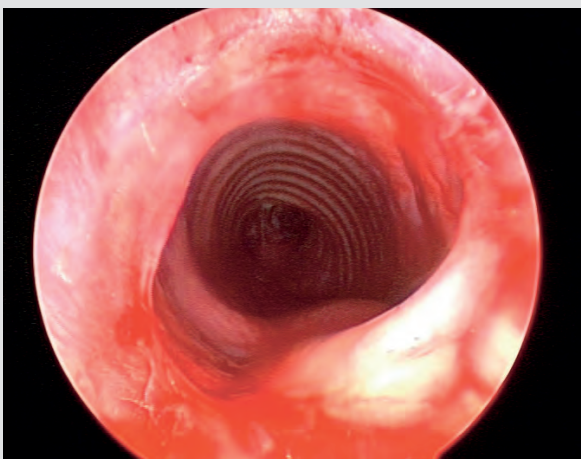


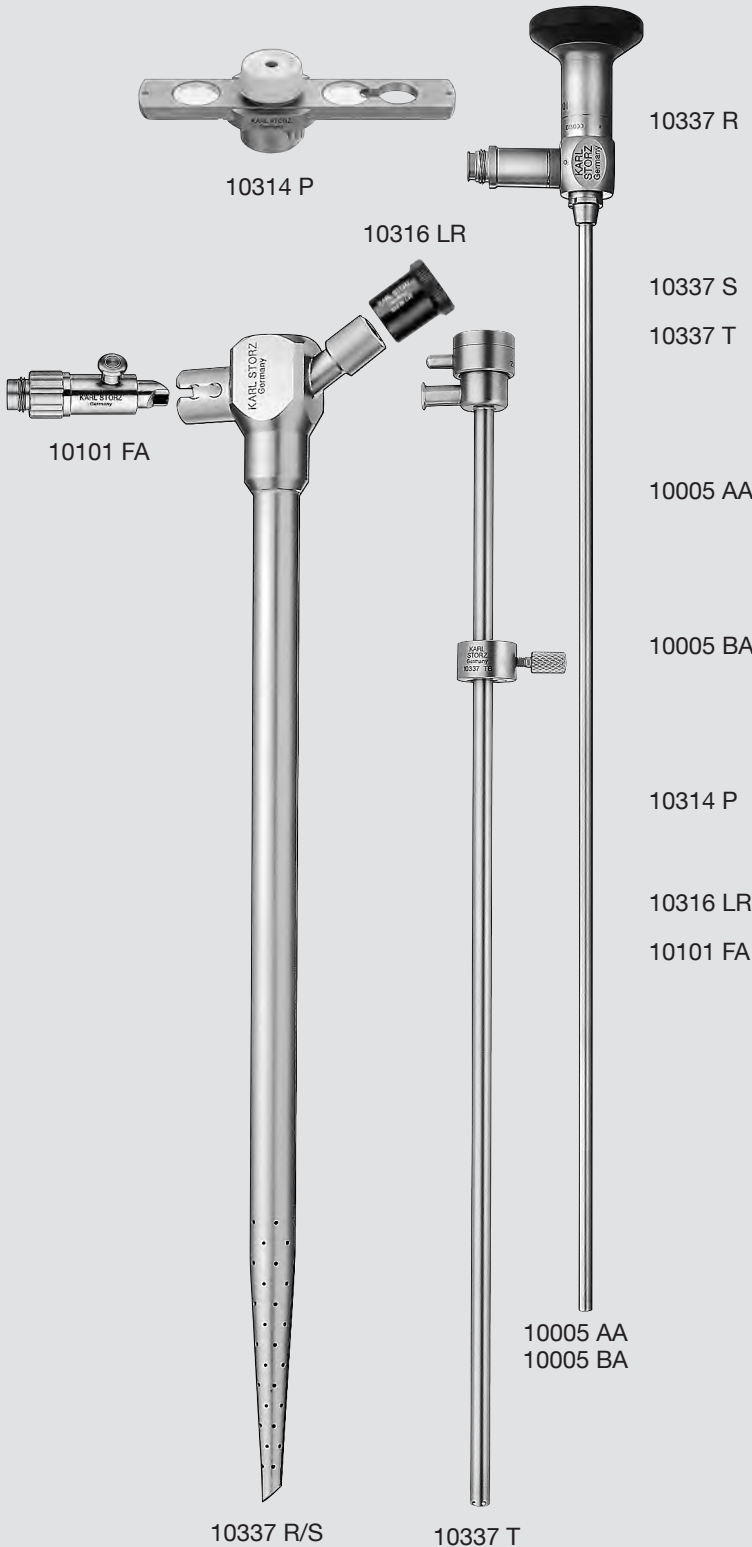
Fig. 3



Fig. 4

Dilation Tracheoscopes

GRONINGEN Model



- 10337 R **Optical Dilation Tracheoscope**, GRONINGEN model, rigid, with distance markings, distal end conical with lateral airholes and proximal with oxygen adaptor, outer diameter 12 mm, length 30 cm
- 10337 S **Same**, outer diameter 8 mm
- 10337 T **Optical Intubation Tracheoscope**, GRONINGEN model, proximal with LUER-Lock and distal with lateral airholes, outer diameter 5.5 mm, length 30 cm
- 10005 AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10005 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 10314 P **FLUVOG Adaptor**, with observation window, sealing cap with rubber seal and a window with opening, adjustable
- 10316 LR **Adaptor**, for respirator
- 10101 FA **Prismatic Light Deflector**, **autoclavable**, with connection to fiber optic light cable

10005 AA
10005 BA

10337 R/S

10337 T

Components/Spare Parts see chapter 13

**ESOPHAGOSCOPY
DIVERTICULOSCOPY**



Esophagoscopy for Adults

Basic Set

Recommended Set

12060 A	ROBERTS-JESBERG Esophagoscope , oval, size 12 x 16, length 50 cm
12060 C	Same , size 10 x 14
12061 A	Fiber Optic Light Carrier , length 50 cm, for use with esophagoscopes
12060 B	ROBERTS-JESBERG Esophagoscope , oval, size 12 x 16, length 30 cm
12060 D	Same , size 10 x 14
12060 F	Same , size 8 x 12
12061 B	Fiber Optic Light Carrier , length 30 cm, for use with esophagoscopes
12060 S	ROBERTS-JESBERG Hypopharyngoscope , oval, size 10 x 14, length 20 cm
12061 C	Fiber Optic Light Carrier length 20 cm, for use with hypopharyngoscopes
12070	Handle , for esophagoscopes

Recommended accessories for esophagoscopes with a length of 50 cm

12015 AA	HOPKINS® Straight Forward Telescope 0° , diameter 5.5 mm, length 53 cm, autoclavable , fiber optic light transmission incorporated, color code: green
12016 M	Optical Forceps , with alligator jaws, incl. cleaning adaptor
12016 L	Optical Forceps , spoon-shaped, round, incl. cleaning adaptor
10380 AL	Suction Tube , diameter 4 mm, working length 55 cm
3x 10384 AL	Cotton Applicator , working length 55 cm
10387 AL	Sponge Holder , with spring handle, working length 55 cm

Recommended accessories for esophagoscopes with lengths of 30 and 20 cm

10324 AA	HOPKINS® Straight Forward Telescope 0° , diameter 2.9 mm, length 36 cm, autoclavable , fiber optic light transmission incorporated, color code: green
10378 HF	Optical Forceps , with alligator jaws, serrated, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
10378 L	Optical Forceps , round, spoon-shaped, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
10380 CB	Suction Tube , diameter 2 mm, working length 35 cm
3x 10384 B	Cotton Applicator , working length 35 cm
10387 B	Sponge Holder , with spring handle, working length 35 cm

Accessories for Cleaning and Sterilization see HYGIENE catalog

Esophagoscopy for Children with Proximal Illumination

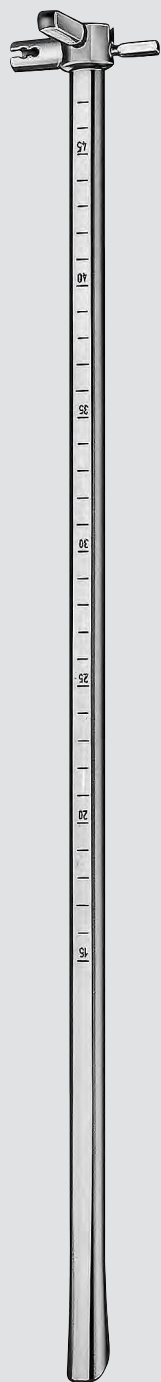
Basic Set

Recommended Set

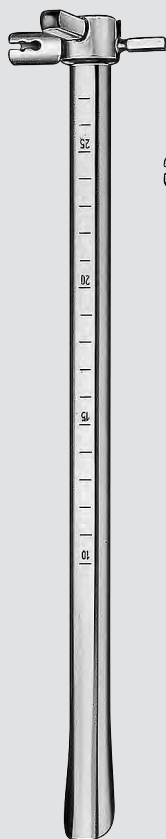
10324 AA	HOPKINS® Straight Forward Telescope 0° , diameter 2.9 mm, length 36 cm, autoclavable , fiber optic light transmission incorporated, color code: green
12030 A	Esophagoscope Tube , size 6, length 30 cm
12030 B	Same , size 5
12030 C	Same , size 4
10101 FA	Prismatic Light Deflector, autoclavable , with connection to fiber optic light cable
10338 N	Sealing Cap , with rubber seal, for use with telescopes and optical forceps
10378 KF	Optical Forceps , with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
10378 HF	Optical Forceps , with alligator jaws, serrated, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
10380 CB	Suction Tube , diameter 2 mm, working length 35 cm
3x 10384 B	Cotton Applicator , working length 35 cm
10387 B	Sponge Holder , with spring handle, working length 35 cm

ROBERTS-JESBERG Esophagoscopes and Hypopharyngoscopes

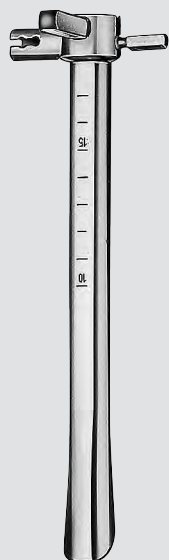
with distal and proximal illumination



12060 A/C/E



12060 B/D/F/H



12060 R/S/T

Size 12 x 16

- 12060 AX ROBERTS-JESBERG **Esophagoscope**, oval, size 12 x 16, length 55 cm
- 12060 A **Same**, length 50 cm
- 12060 AW **Same**, length 45 cm
- 12060 AV **Same**, length 40 cm
- 12060 AU **Same**, length 35 cm
- 12060 B **Same**, length 30 cm

Size 10 x 14

- 12060 C ROBERTS-JESBERG **Esophagoscope**, oval, size 10 x 14 mm, length 50 cm
- 12060 CV **Same**, length 40 cm
- 12060 D **Same**, length 30 cm

Size 8 x 12

- 12060 E ROBERTS-JESBERG **Esophagoscope**, oval, size 8 x 12, length 50 cm
- 12060 EV **Same**, length 40 cm
- 12060 F **Same**, length 30 cm

Size 7 x 10

- 12060 H ROBERTS-JESBERG **Esophagoscope**, oval, size 7 x 10, length 30 cm

Hypopharyngoscopes, length 20 cm

- 12060 R ROBERTS-JESBERG **Hypopharyngoscope**, oval, size 12 x 16, length 20 cm
- 12060 S **Same**, size 10 x 14
- 12060 T **Same**, size 8 x 12



10101 FA

For proximal illumination

10101 FA **Prismatic Light Deflector, autoclavable,** with connection to fiber optic light cable

12061 A – C



For distal illumination

12061 A **Fiber Optic Light Carrier,** length 50 cm, for use with esophagoscopes

12061 AX **Same,** length 55 cm

12061 AW **Same,** length 45 cm

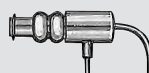
12061 AV **Same,** length 40 cm

12061 AU **Same,** length 35 cm

12061 B **Same,** length 30 cm

12061 C **Fiber Optic Light Carrier,** length 20 cm, for use with hypopharyngoscopes

12062 A – C



Further Accessories

12062 A **Insertable Suction Tube,** for use with esophagoscopes, outer diameter 2 mm, length 50 cm

12062 AX **Same,** length 55 cm

12062 B **Same,** length 30 cm

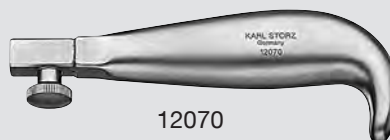
12062 C **Insertable Suction Tube,** for use with hypopharyngoscopes, outer diameter 2 mm, length 20 cm

10338 TA **Adjustable Magnifier, autoclavable,** swing-away type, with plug connection

12070 **Handle,** for esophagoscopes

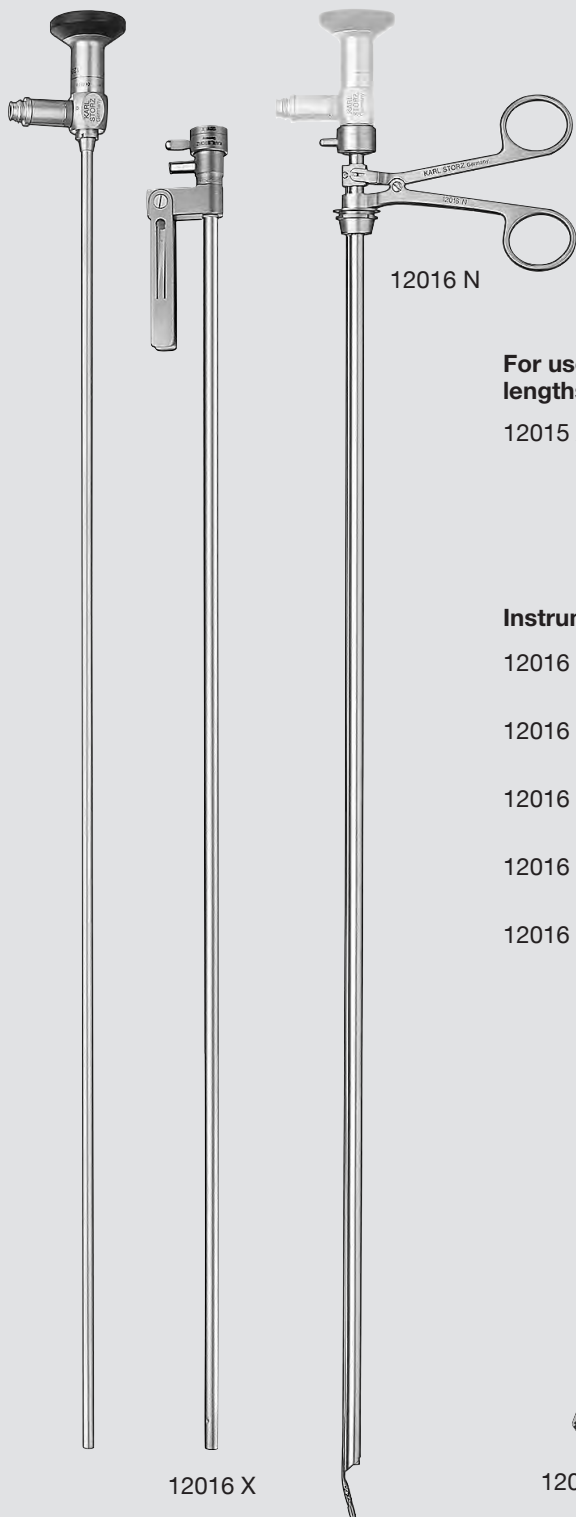


10338 TA



12070

12015 AA



12016 N

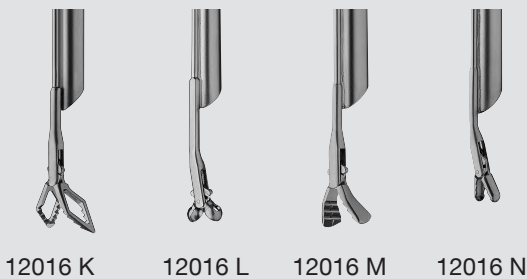
For use with Esophagoscope 12060, lengths 50 cm and 40 cm

12015 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 5.5 mm, length 53 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

Instruments for use with HOPKINS® Telescope 12015 AA

- 12016 K **Optical Forceps**, fenestrated, incl. cleaning adaptor
- 12016 L **Optical Forceps**, spoon-shaped, round, incl. cleaning adaptor
- 12016 M **Optical Forceps**, with alligator jaws, incl. cleaning adaptor
- 12016 N **Optical Forceps**, universal, incl. cleaning adaptor
- 12016 X **Telescope Guide**, for use with Esophagoscopes 12060 A/C/E and HOPKINS® Telescope 12015 AA

12016 X



12016 K

12016 L

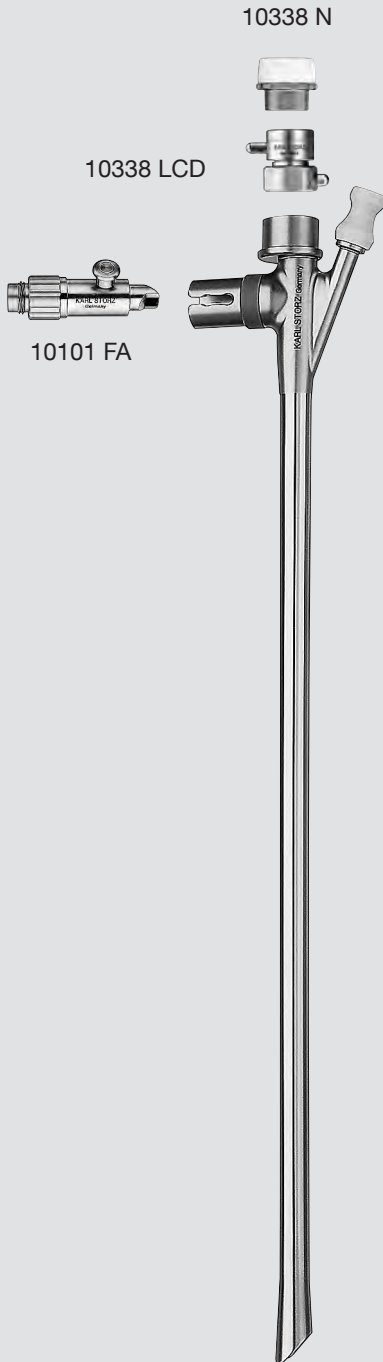
12016 M

12016 N

Container for the Sterilization and Storage of Telescopes see HYGIENE catalog

Pediatric Esophagoscopes

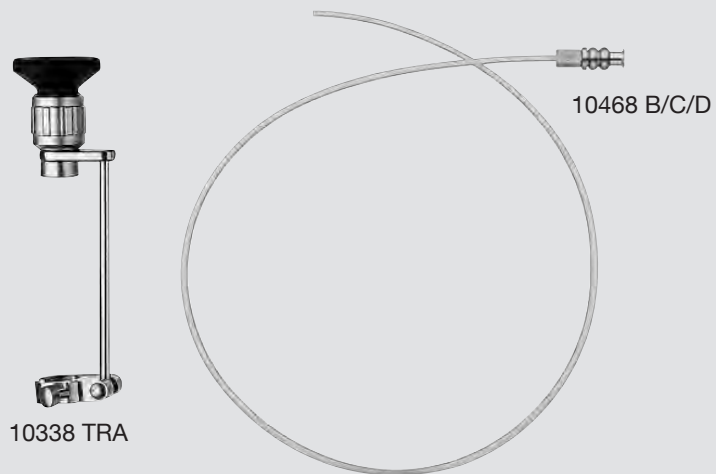
with proximal illumination



- 12030 A **Esophagoscope Tube**, size 6, length 30 cm
- 12030 AL **Same**, length 40 cm
- 12030 B **Esophagoscope Tube**, size 5, length 30 cm
- 12030 C **Same**, size 4
- 12030 F **Esophagoscope Tube**, size 3.5 mm, length 18.5 cm
- 12030 G **Same**, size 3
- 10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable
- 10338 TRA **Adjustable Magnifier, autoclavable**, swing-away type, with ring adaption
- 10338 N **Sealing Cap**, with rubber seal
- 10338 LCD **Telescope Bridge**, for fixed position between HOPKINS® Telescopes 10017 AA, 10018 AA, Bronchoscopes 10339 D/E/F, 10020 ATA and 10339 A/B/BB/C/G/CD as well as Esophagoscopes 12030 A/B/C/F/G

For use through lateral working channel of esophagoscopes, lengths 30 and 18.5 cm, under control of HOPKINS® Telescopes 10324 AA, 10020 ATA and 10018 AA:

- 10468 B **Suction Catheter**, 7.5 Fr., with Adaptor 10479 B
- 10468 C **Suction Catheter**, 6 Fr., with Adaptor 10479 C
- 10468 D **Suction Catheter**, 4.5 Fr., with Adaptor 10479 F



Optical Forceps and Scissors

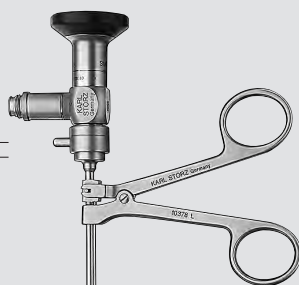
for Pediatric Esophagoscopes, size 6 – 3.5, length 30 cm – 18.5 cm

10324 AA



10378 CF/HF/KF/KSF

10324 AA



10378 L/S/U/M

For use with Esophagoscopes 12030 A/B/C/F

- 10324 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 36 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10378 CF **Optical Forceps**, flat, serrated, 2 x 2 teeth, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 KF **Optical Forceps**, with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 KSF **Optical Forceps**, with bean jaws, blunt grooved, VANCOUVER model, with extra delicate jaws, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 S **Optical Scissors**, single action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 U **Optical Forceps**, universal, serrated, with spring-action handle, working length 34 cm, incl. cleaning adaptor
- 10378 M **Optical Forceps**, spoon-shaped, oval, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor



10378 CF 10378 HF 10378 KF 10378 KSF 10378 L 10378 S 10378 U 10378 M

Optical Forceps

for Pediatric Esophoscopes, size 3.5, length 18.5 cm

10020 ATA



10377 CF/HF/KF

10020 ATA



10377 L/U

For use with Esophoscope 12030 F

- 10020 ATA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10377 CF **Optical Forceps**, flat, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 KF **Optical Forceps**, with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 U **Optical Forceps**, universal, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor



10377 CF



10377 HF



10377 KF



10377 L

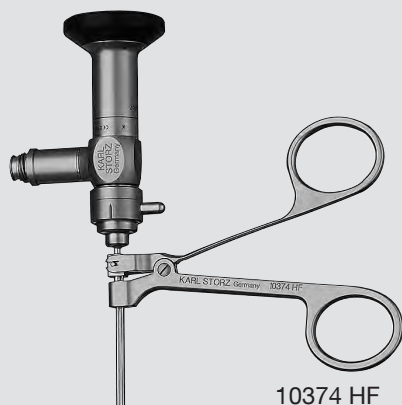


10377 U

Optical Forceps

for Pediatric Esophoscopes, size 3.5 – 3, length 18.5 cm

10030 AA



10030 AA **Miniature Straight Forward Telescope 0°**, semirigid, diameter 1.3 mm, length 30.6 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

10374 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 29 cm, incl. cleaning adaptor

10374 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor

10374 HF

10030 AA



10374 L



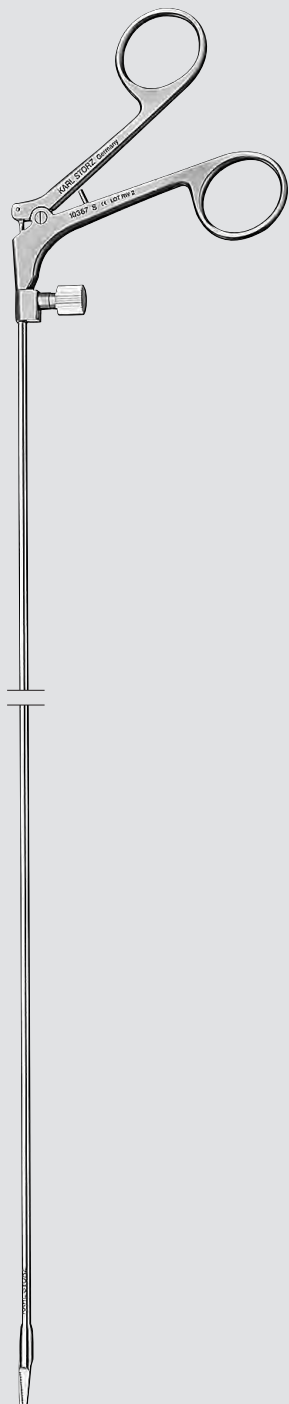
10374 HF



10374 L

Forceps and Scissors for Esophagoscopy

Single action jaws



Sheath diameter 2.5 mm, working length 55 cm

- 10366 H **Forceps**, with alligator jaws, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 K **Forceps**, bean jaws, blunt grooved, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 L **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 U **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 S **Scissors**, straight, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 2.5 mm, working length 35 cm

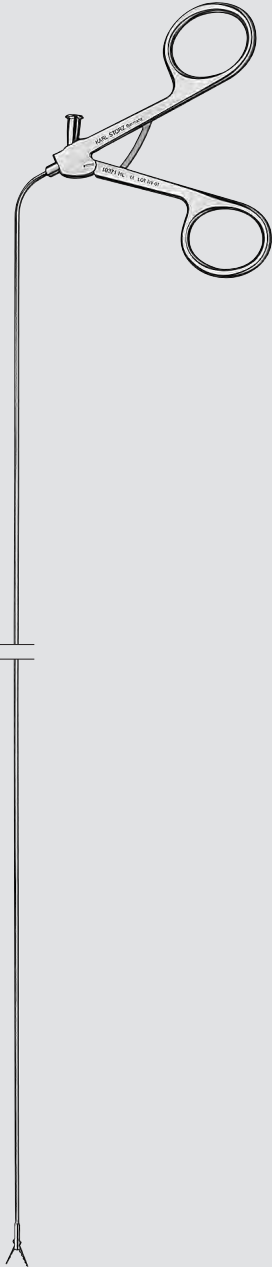
- 10367 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10367 K **Forceps**, bean jaws, blunt grooved, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10367 L **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning



10366 H 10366 K 10366 L 10366 U 10366 S
10367 H 10367 K 10367 L

Esophagoscopic Forceps

Double action jaws



Sheath diameter 2.5 mm, working length 55 cm

- 10370 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.3 mm, with LUER-Lock irrigation connector for cleaning
- 10370 JL **Forceps**, pointed, serrated, width of jaws 2.7 mm, with LUER-Lock irrigation connector for cleaning
- 10370 KL **Forceps**, bean jaws, blunt grooved, width of jaws 7.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 LL **Forceps**, round, spoon-shaped, width of jaws 5.5 mm, with LUER-Lock irrigation connector for cleaning



10370 HL



10370 JL



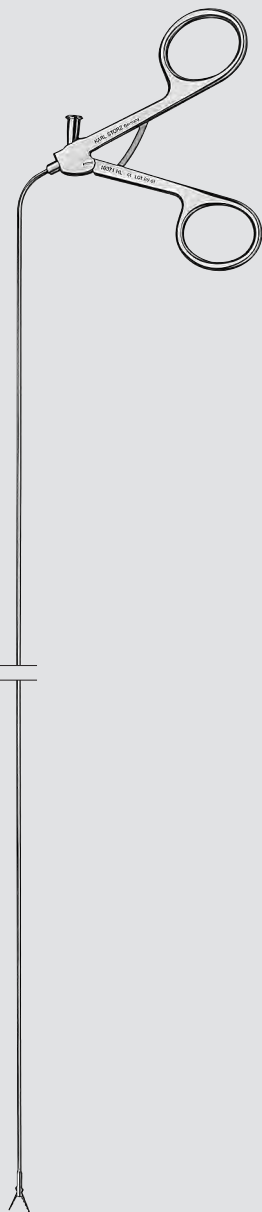
10370 KL



10370 LL

Esophagoscopic Forceps

Double action jaws



Sheath diameter 2 mm, working length 45 cm

- 10371 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 KL **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 LL **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 UL **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 2 mm, working length 35 cm

- 10371 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 J **Forceps**, pointed, serrated, width of jaws 3.3 mm, with LUER-Lock irrigation connector for cleaning
- 10371 K **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 P **Forceps**, oval, spoon-shaped, fenestrated, width of jaws 4 mm, with LUER-Lock irrigation connector for cleaning
- 10371 U **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning



10371 HL
10371 H

10371 J

10371 KL
10371 K

10371 LL
10371 L

10371 P

10371 UL
10371 U

Esophagoscopic Forceps

Double action jaws



Sheath diameter 1.5 mm, working length 35 cm

- 10372 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 JL **Forceps**, pointed, serrated, width of jaws 3.1 mm, with LUER-Lock irrigation connector for cleaning
- 10372 KL **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 LL **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 UL **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 1.5 mm, working length 25 cm

- 10372 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 K **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning



10372 HL
10372 H



10372 JL



10372 KL
10372 K



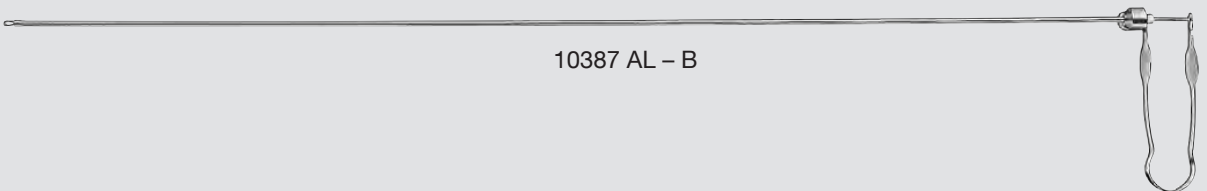
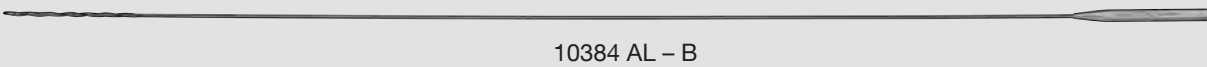
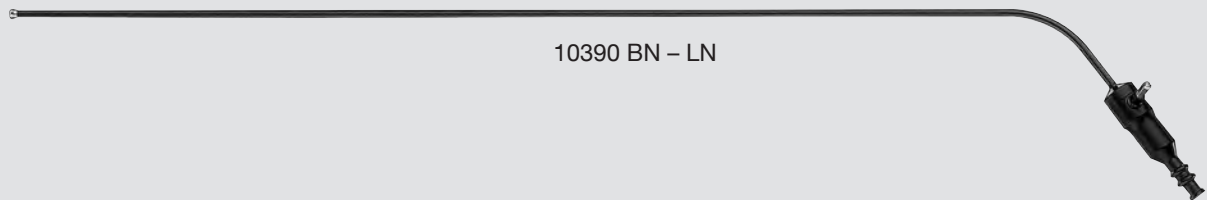
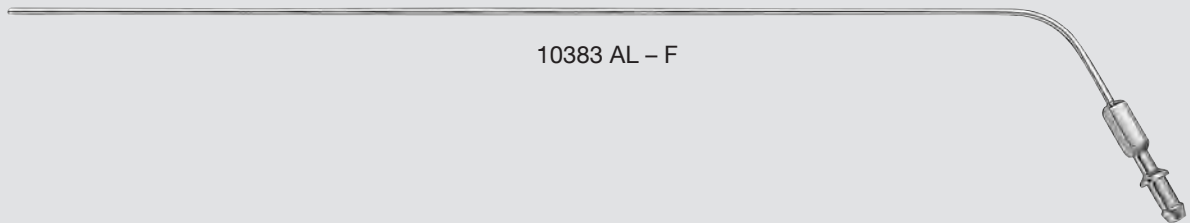
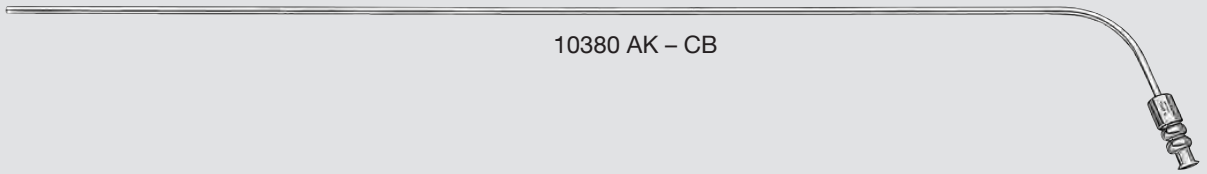
10372 LL



10372 UL

Accessories for Esophagoscopy

Suction Tubes, Cotton Carriers and Sponge Holders



Accessories for Esophagoscopy

Suction Tubes, Cotton Carriers and Sponge Holders

Working length 60 cm

10380 AX **Suction Tube**, diameter 4 mm

Working length 55 cm

10380 AL **Suction Tube**, diameter 4 mm

10383 AL **Same**, with cut-off hole

10390 LN **Coagulation Suction Tube**, insulated, with connector pin for unipolar coagulation, diameter 4 mm

10384 AL **Cotton Carrier**

10387 AL **Sponge Holder**, with spring handle

Working length 45 cm

10380 AM **Suction Tube**, diameter 4 mm

10383 AM **Suction Tube**, with cut-off hole, diameter 3 mm

Working length 35 cm

10380 CB **Suction Tube**, diameter 2 mm

10380 B **Same**, diameter 3 mm

10380 AK **Suction Tube**, with cut-off hole, diameter 4 mm

10383 B **Suction Tube**, with cut-off hole, diameter 3 mm

10383 BL **Same**, diameter 5.5 mm

10390 BN **Coagulation Suction Tube**, insulated, with connector pin for unipolar coagulation, diameter 3 mm

10384 B **Cotton Applicator**

10387 B **Sponge Holder**, with spring handle

Working length 30 cm

10383 DD **Suction Tube**, with cut-off hole, diameter 2 mm

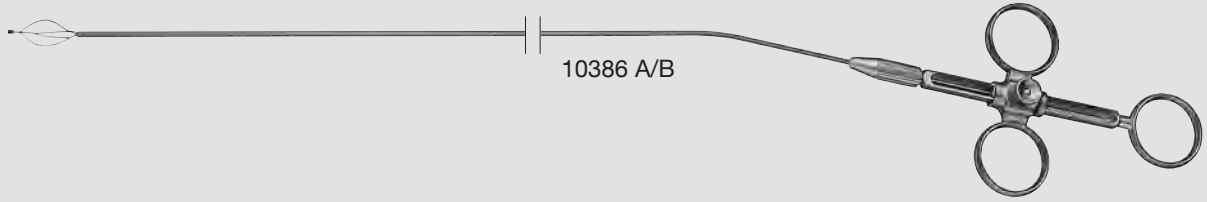
10383 F **Same**, diameter 3 mm

Working length 25 cm

10380 C **Suction Tube**, diameter 2 mm

Accessories for Esophagoscopy

Foreign Body Baskets



10386 A

Foreign Body Basket, with ring handle, working length 50 cm

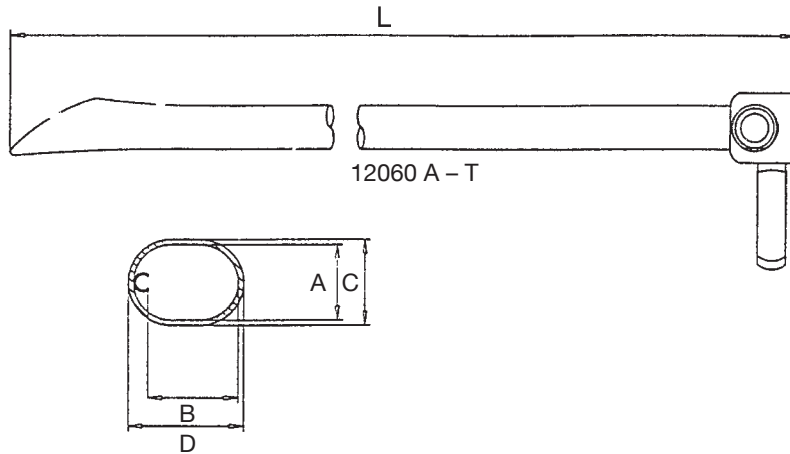
10386 B

Same, working length 35 cm

System Overview ROBERTS-JESBERG Esophoscopes and Hypopharyngoscopes 12060

with distal and proximal illumination

STORZ
KARL STORZ — ENDOSKOPE

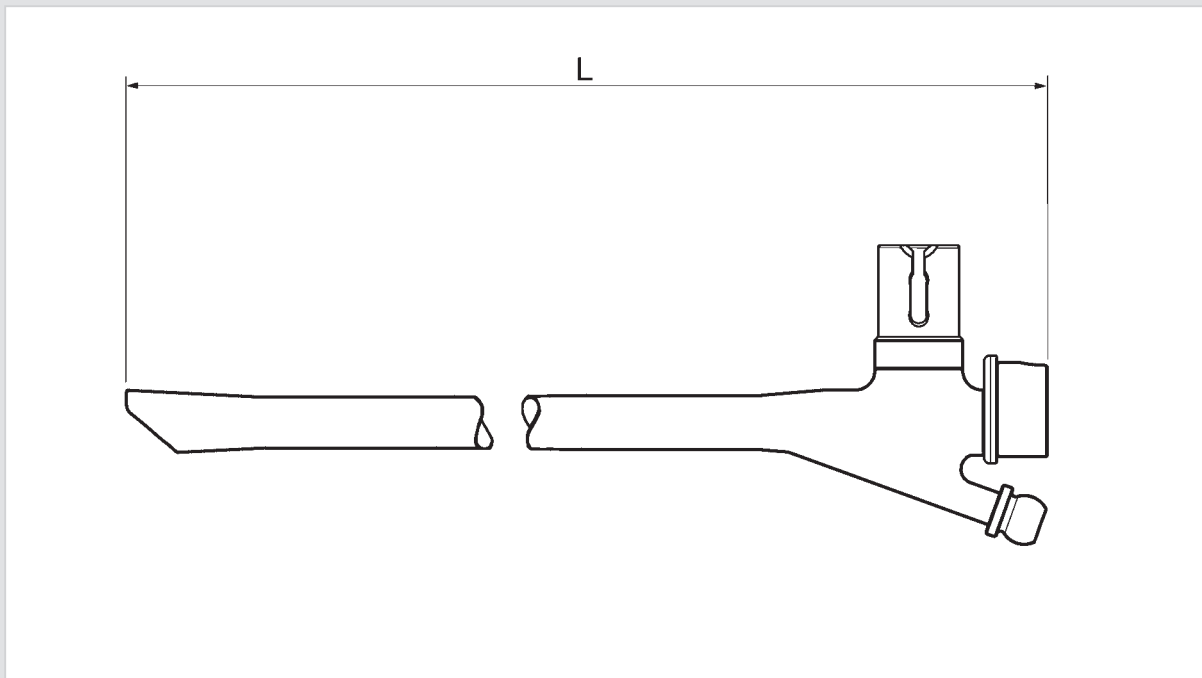


Order no.	Length in cm - L -	Inner diameter in mm - A x B -	Outer diameter in mm - C x D -	Telescopes with guide sheaths	Optical Forceps
12060 A	50	11 x 12	12 x 16	12015 AA with 12016 X	for use with HOPKINS® Telescope 12015 AA: 12016 K, 12016 L, 12016 M, 12016 N
12060 AU	35			12015 AA	
12060 AV	40				
12060 AW	45				
12060 AX	55				
12060 B	30	9 x 10	10 x 14	10324 AA	for use with HOPKINS® Telescope 10324 AA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U
12060 C	50			12015 AA with 12016 X	for use with HOPKINS® Telescope 12015 AA: 12016 K, 12016 L, 12016 M, 12016 N
12060 CV	40			12015 AA	
12060 CX	55				
12060 D	30			10324 AA	for use with HOPKINS® Telescope 10324 AA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U
12060 E	50	7 x 8	8 x 12	12015 AA with 12016 X	for use with HOPKINS® Telescope 12015 AA: 12016 K, 12016 L, 12016 M, 12016 N
12060 EV	40			12015 AA	
12060 F	30				
12060 H				6 x 6	7 x 10
12060 R	11 x 12			12 x 16	
12060 S	2	9 x 10	10 x 14		
12060 T		7 x 8	8 x 12		

System Overview

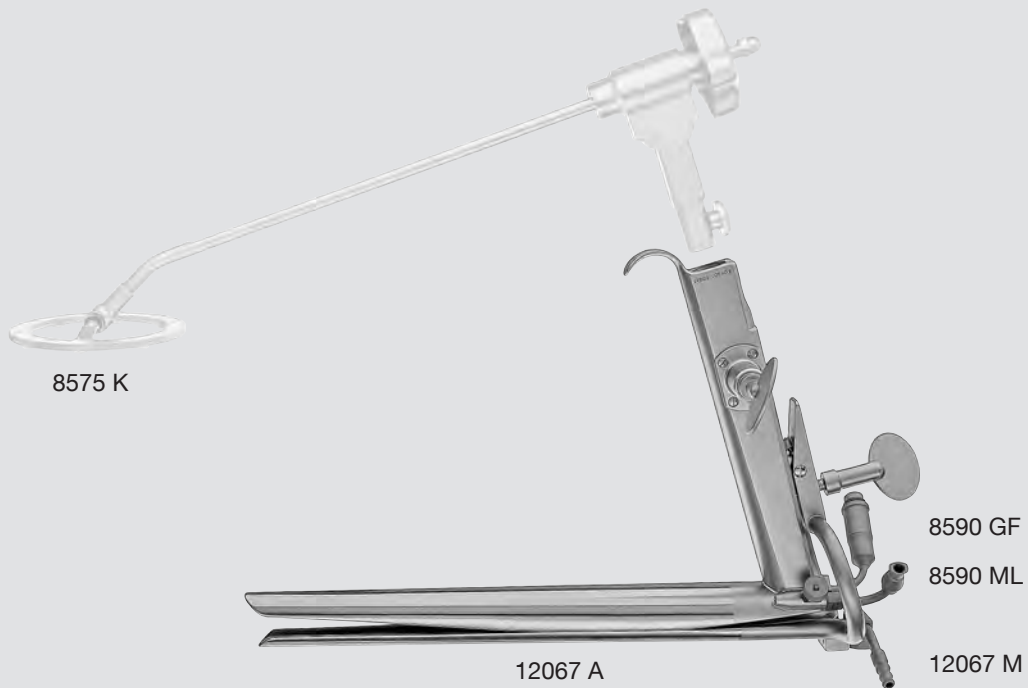
Esophagoscopes 12030

with proximal illumination

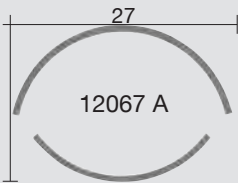


Order no.	Size	Length in cm - L -	Telescopes with guide sheaths	Inner diameter	Outer diameter	Optical Forceps
12030 A	6	30	10324 AA with 10338 RK 10020 ATA with 10338 LCD	8 mm	11 mm	for use with HOPKINS® Telescope 10324 AA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U, 10378 S
12030 B	5			7 mm	10 mm	
12030 C	4			6 mm	9 mm	
12030 F	3.5	18.5	10018 AA, 10017 AA with 10338 LCD	5 mm	7 mm	for use with HOPKINS® Telescope 10020 ATA: 10377 CF, 10377 HF, 10377 KF, 10377 L, 10377 U for use with HOPKINS® Telescope 10030 AA: 10374 HF, 10374 L
12030 G	3			4 mm	6 mm	
12030 AL	6	40	10023 ABA with 10338 R	8 mm	11 mm	for use with HOPKINS® Telescope 10023 ABA: 10379 CF, 10379 HF, 10379 KF, 10379 L

WEERDA Distending Diverticuloscope for CO₂ LASER Technique

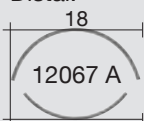


Outer dimensions in mm: 12067 A
Proximal:



Distension: max. 40
min. 29

Distal:



Distension: max. 65
min. 7

12067 A **WEERDA Distending Diverticuloscope**, length 24 cm,
with adaptor for Suction Tube 12067 M

Proximal size open: max. 40 x 27 mm
min. 29 x 27 mm

Distal size open: max. 65 x 18 mm
min. 7 x 18 mm

8590 GF **Fiber Optic Light Carrier**, for distal illumination,
working length 14 cm

8590 ML **Suction Tube**, to remove vapor, for LASER treatment,
outer diameter 3 mm

12067 M **Suction Tube**, to remove vapor, flat, size 6 x 3 mm

8575 K **Laryngoscope Holder and Chest Support**,
GÖTTINGEN model, with adjustment wheel
including:

Support Rod, movable, with metal ring, diameter 9 cm,
length 34 cm

or

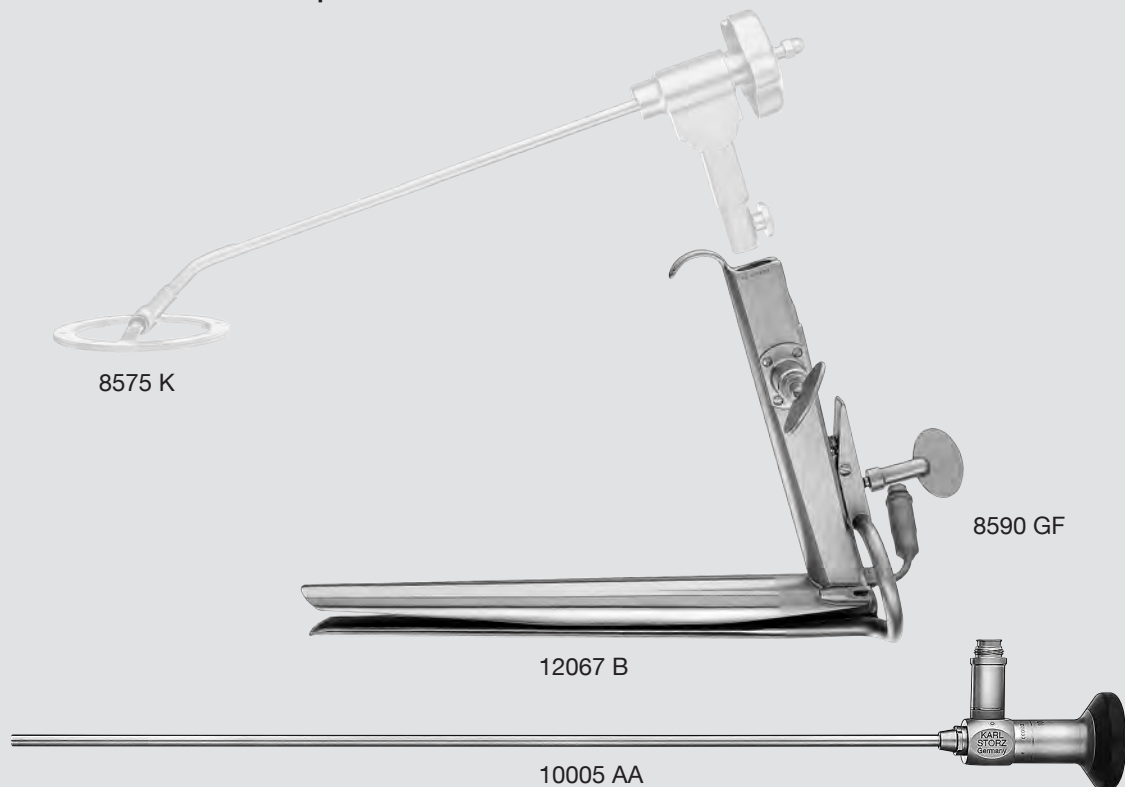
8575 KC **BENJAMIN-PARSONS Laryngoscope Holder and Chest
Support**, GÖTTINGEN model, with adjustment wheel
including:

BENJAMIN-PARSONS Support Rod, movable, with metal ring,
diameter 12 cm and 2 lateral set screws, length 34 cm

Components/Spare Parts see chapter 13

WEERDA Distending Diverticuloscope for Stapling Technique

For use with HOPKINS® Telescope 10005 AA

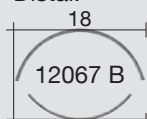


Outer dimensions in mm: 12067 B
Proximal:



Distension: max. 40
min. 29

Distal:



Distension: max. 65
min. 7

10005 AA

8590 GF

8575 K

8575 KC

WEERDA Distending Diverticuloscope, length 24 cm,
without adaptor for Suction Tube 12067 M

Proximal size open: max. 40 x 27 mm
min. 29 x 27 mm

Distal size open: max. 65 x 18 mm
min. 7 x 18 mm

HOPKINS® Straight Forward Telescope 0°, enlarged
view, diameter 4 mm, length 30 cm, **autoclavable**,
fiber optic light transmission incorporated,
color code: green

Fiber Optic Light Carrier, for distal illumination,
working length 14 cm

Laryngoscope Holder and Chest Support,
GÖTTINGEN model, with adjustment wheel
including:

Support Rod, movable, with metal ring, diameter 9 cm,
length 34 cm

or

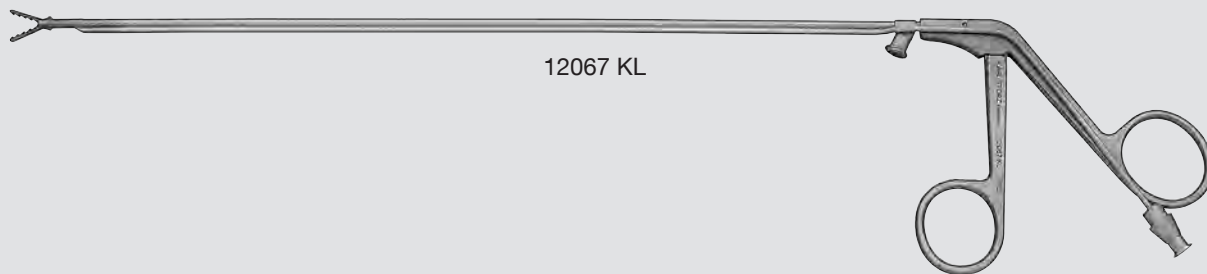
**BENJAMIN-PARSONS Laryngoscope Holder and Chest
Support**, GÖTTINGEN model, with adjustment wheel
including:

BENJAMIN-PARSONS Support Rod, movable, with metal ring,
diameter 12 cm and 2 lateral set screws, length 34 cm

Containers for the Sterilization and Storage of Telescopes see HYGIENE catalog
Components/Spare Parts see chapter 13

Instruments for Diverticulosopes

Grasping Forceps, Clip Forceps



12067 KL



12067 KL

Grasping Forceps, with oval alligator jaws, with suction channel to remove LASER vapor, medium, with cleaning connector, working length 30 cm



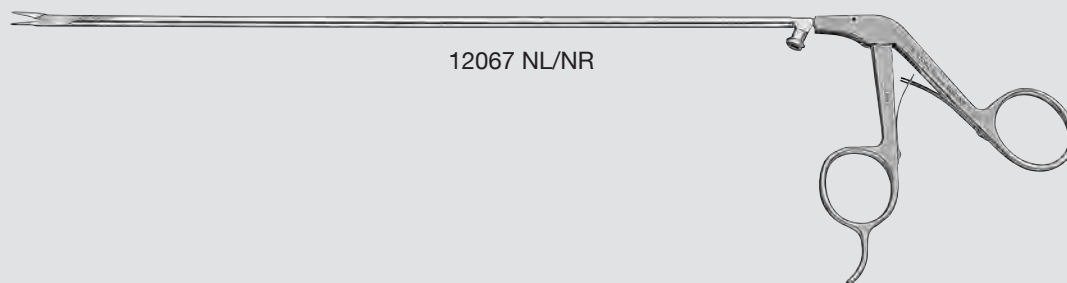
12067 LL

Same, large



12067 JL

Same, small



12067 NL/NR



12067 NL

Clip Forceps, jaws curved to left, with cleaning connector, working length 30 cm, for use with Clip 8665 T



12067 NR

Same, jaws curved to right



8665 T

Clip, titanium LT 200, medium, 5 mm, sterile, package of 36 cartridges with 6 clips each

**BRONCHOSCOPY
TRACHEOSCOPY**



Bronchoscopy for Adults with Distal Illumination

Basic Set

Recommended Set

10320 AA	HOPKINS® Straight Forward Telescope 0° , diameter 5.5 mm, length 50 cm, autoclavable , fiber optic light transmission incorporated, color code: green
10320 BA	HOPKINS® Forward-Oblique Telescope 30° , diameter 5.5 mm, length 50 cm, autoclavable , fiber optic light transmission incorporated, color code: red
10318 BK	Universal Bronchoscope , size 8.5, length 43 cm
10318 CK	Same , size 7.5
10318 DK	Same , size 6.5
10315 N	Sealing Cap , with rubber seal
10315 M	Sealing Cap , with window
10924 D	Adaptor , for respirator
10318 S	Instrument Guide , for suction catheter
10318 K	Injection Cannula , LUER-Lock, outer diameter 3.5 mm, length 63 mm, for use with bronchoscopes series 10318
10350 HF	Optical Forceps , with alligator jaws, serrated, double action jaws, large jaws, with spring-action handle, working length 45 cm, incl. cleaning adaptor, for use with HOPKINS® Telescopes 10320 AA/BA
10350 KF	Optical Forceps , with bean jaws, blunt grooved, double action jaws, working length 45 cm, with spring-action handle, incl. cleaning adaptor, for use with HOPKINS® Telescopes 10320 AA/BA
10350 L	Optical Forceps , spoon-shaped, round, double action jaws, working length 45 cm, incl. cleaning adaptor, for use with HOPKINS® Telescopes 10320 AA/BA
3x 10384 A	Cotton Applicator , working length 50 cm
10387 A	Sponge Holder , with spring handle, working length 50 cm
10380 D	Suction Tube , diameter 2.5 mm, working length 50 cm
10380 A	Suction Tube , diameter 4 mm, working length 50 cm

Accessories for Cleaning and Sterilization see HYGIENE catalog

Bronchoscopy for Children with Proximal Illumination

Basic Set

Recommended Set

10324 AA	HOPKINS® Straight Forward Telescope 0° , diameter 2.9 mm, length 36 cm, autoclavable , fiber optic light transmission incorporated, color code: green
10339 A	DOESEL-HUZLY Bronchoscope , size 6, length 30 cm
10339 BB	Same , size 4.5
10339 C	Same , size 4
10339 CD	Same , size 3.5
10101 FA	Prismatic Light Deflector, autoclavable , with connection to fiber optic light cable
10338 N	Sealing Cap , with rubber seal
10318 K	Injection Cannula , LUER-Lock, outer diameter 3.5 mm
10338 S	Instrument Guide , for suction catheter, short, outer diameter 15 mm, length 30 mm
10924 D	Adaptor , for respirator
10378 CF	Optical Forceps , flat, serrated, 2 x 2 teeth, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324 AA
10378 KF	Optical Forceps , with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324 AA
10378 HF	Optical Forceps , with alligator jaws, serrated, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor, for use with HOPKINS® Telescope 10324 AA
10386 B	Foreign Body Basket , with ring handle, working length 35 cm
10389 B	Cytology Brush , with ring handle, working length 35 cm
10380 CB	Suction Tube , diameter 2 mm, working length 35 cm
10380 B	Same , diameter 3 mm
10432 N	Aspirator , for collecting secretions, with cut-off hole, can be connected to suction tubes or suction catheters
2x 10432 E	Spare Glass , for Aspirator 10432 N
2x 10384 B	Cotton Applicator , working length 35 cm
10387 B	Sponge Holder , with spring handle, working length 35 cm











11910 D

- | | |
|---------|---|
| 11910 T | <p>LIVE HD Video Bronchoscope 6.5/2.8,
for use with IMAGE1 S™ or TELE PACK+</p> <p>Direction of view: 0°
 Angle of view: 100°
 Working length: 60 cm
 Distal tip outer diameter: 6.5 mm
 Working channel diameter: 2.8 x 3.0 mm
 Deflection up/down: 180°/140°
 Depth of view: 3 – 50 mm
 including:</p> <p>Pressure Compensation Cap
 Case</p> |
| 11910 D | <p>LIVE HD Video Bronchoscope 5.5/2.0,
for use with IMAGE1 S™ or TELE PACK+</p> <p>Direction of view: 0°
 Angle of view: 100°
 Working length: 60 cm
 Distal tip outer diameter: 5.65 mm
 Working channel diameter: 2.4 x 2.0 mm
 Deflection up/down: 200°/140°
 Depth of view: 3 – 50 mm
 including:</p> <p>Pressure Compensation Cap
 Case</p> |











LIVE Video Bronchoscopes

Accessories

		for use with		
		STERILE	Video Bronchoscope 11910 T	Video Bronchoscope 11910 D
Instruments				
	110352-10*	Grasping Forceps Type Alligator , ribbed, diameter 1.8 mm, working length 120 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110353-10*	Same , working length 160 cm		
	110372-10*	Grasping Forceps Type Rat Tooth with Alligator Jaws , diameter 1.8 mm, working length 120 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110380-10*	Biopsy Forceps Type Alligator , coated, diameter 1.8 mm, working length 120 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110285-10*	Biopsy Forceps , with oval jaws, coated, diameter 1.8 mm, working length 160 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110410-10*	Stone Basket , nitinol, without tip, diameter 1.8 mm, opening width 20 mm, working length 100 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110242-10*	Cytology Brush , diameter 1.8 mm, working length 120 cm, sterile, for single use, package of 10, for use with flexible endoscopes with working channels as of diameter 2 mm	●	●
	110243-10*	Same , working length 160 cm		
	10770 B	Button Electrode , flexible, with connector pin for unipolar coagulation, diameter 1.7 mm, length 80 cm	●	●

LIVE Video Bronchoscopes

Accessories

				for use with	
Further Accessories				Video Bronchoscope 11910 T	Video Bronchoscope 11910 D
	091012-20*	Suction Valve , for single use, package of 20, for use with Video Bronchoscopes 11910 D/P/S/T		●	●
	11301 CA*	Leaflet Valve , unsterile, for single use, package of 20		●	●
	110251-100*	Bite Protector , with elastic band, unsterile, for single use, package of 100		●	●
	110252-100*	Bite Protector , with elastic band, for children, unsterile, for single use, package of 100		-	-
	13242 XL	Leakage Tester , with bulb and manometer		●	●
	11025 E	Pressure Compensation Cap , for ventilation during gas and plasma sterilization		●	●



LIVE Video Bronchoscopes

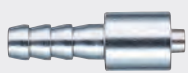




Accessories

for use with


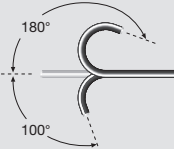

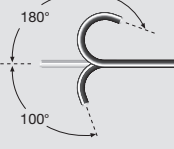

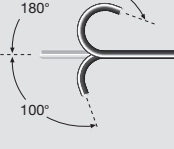

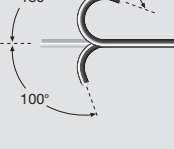

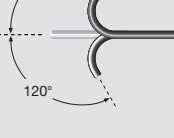
*Video Bronchoscope
11910 T*

*Video Bronchoscope
11910 D*

Cleaning Accessories

	600007	LUER-Lock Tube Connector , male, tube diameter 6 mm	•	•
	11910 CD	Irrigation Adaptor , for machine cleaning, reusable	•	•
	27652-05	Cleaning Brush , for cleaning sharp jaws, package of 5	•	•
	110941-50*	Cleaning Brush , with double-sided brush, length 120 cm, brush diameter 2.6 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2 – 2.3 mm	–	•
	110950-50*	Cleaning Brush , with double-sided brush, length 120 cm, brush diameter 3.2 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2.6 – 3 mm	•	–

Broncho-Fiberscopes

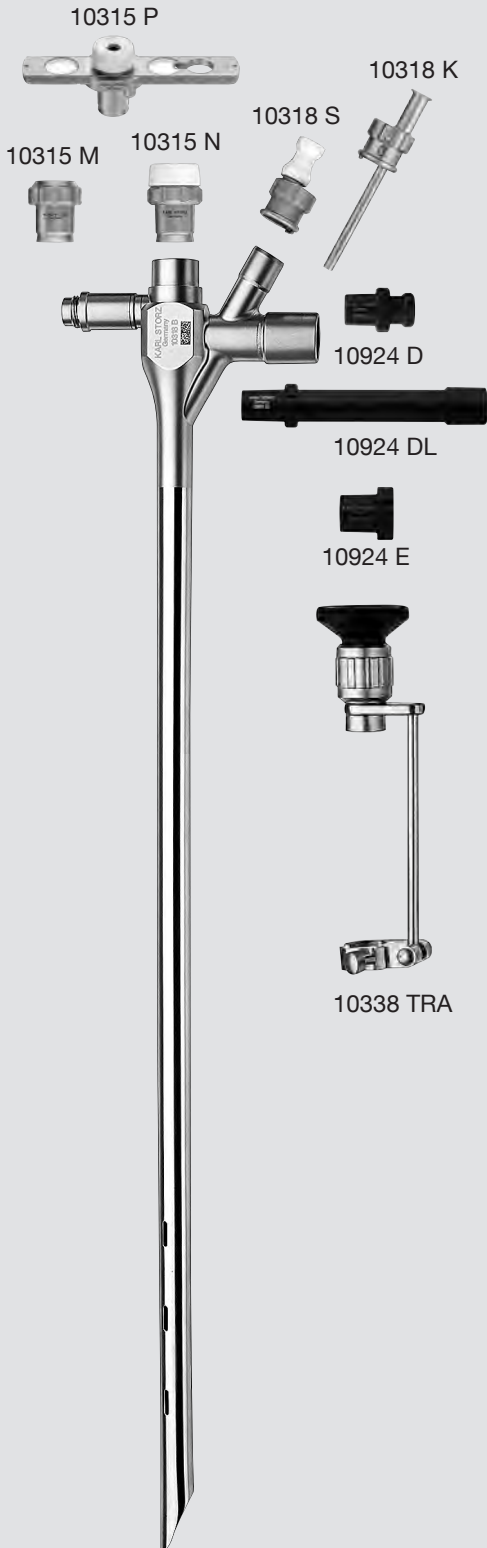
Broncho-Fiberscopes	Set. no.		Deflection up/down	Direction of view	Angle of view	Working length
6.4 mm x 54 cm Broncho-Fiberscope 11004 BC1	11004 BCK1			0°	110°	54 cm
5.6 mm x 54 cm Broncho-Fiberscope 11009 BC1	11009 BCK1			0°	110°	54 cm
5.2 mm x 54 cm Broncho-Fiberscope 11001 BN1	11001 BNK1			0°	110°	54 cm
3.7 mm x 54 cm Broncho-Fiberscope 11002 BD1	11002 BDK1			0°	90°	54 cm
2.8 mm x 54 cm Broncho-Fiberscope 11003 BC3	11003 BCK3			0°	90°	54 cm

Components/Spare Parts see chapter 13

	Length	Working channel inner diameter	Distal tip outer diameter	Accessories (included in delivery)						
				<i>Broncho-Fiberscope 11004 BCK1</i>	<i>Broncho-Fiberscope 11009 BCK1</i>	<i>Broncho-Fiberscope 11001 BNK1</i>	<i>Broncho-Fiberscope 11002 BDK1</i>	<i>Broncho-Fiberscope 11003 BCK3</i>		
	82 cm	2.8 mm	6.4 mm	6011590	Plug, for LUER-Lock connector	●	●	●	●	●
	82 cm	2.6 mm	5.6 mm	11025 E	Pressure Compensation Cap	●	●	●	●	●
	82 cm	2.6 mm	5.6 mm	13242 XL	Leakage Tester	●	●	●	●	●
	82 cm	2.3 mm	5.2 mm	11301 CD	Irrigation Adaptor	●	●	●	●	●
	82 cm	2.3 mm	5.2 mm	11301 CE*	Suction Valve, unsterile, for single use	●	●	●	●	●
	82 cm	1.5 mm	3.7 mm	110950-50*	Cleaning Brush, unsterile, for single use	●	●	-	-	-
	82 cm	1.5 mm	3.7 mm	110941-50*	Cleaning Brush, unsterile, for single use	-	-	●	-	-
	82 cm	1.2 mm	2.8 mm	110931-50*	Cleaning Brush, unsterile, for single use	-	-	-	●	●
	82 cm	1.2 mm	2.8 mm	110380-10*	Biopsy Forceps, sterile, for single use	●	●	●	-	-
	82 cm	1.2 mm	2.8 mm	600007	LUER-Lock Tube Connector	●	●	●	●	●

Universal Bronchoscopes for Adults

with fiber optic light carrier for distal illumination



10318 BK/CK/DK

- 10318 BK **Universal Bronchoscope**, size 8.5, length 43 cm
including:
Fiber Optic Light Carrier
- 10318 CK **Universal Bronchoscope**, size 7.5, length 43 cm
including:
Fiber Optic Light Carrier
- 10318 DK **Universal Bronchoscope**, size 6.5, length 43 cm
including:
Fiber Optic Light Carrier
- 10315 M **Sealing Cap**, with window
- 10315 N **Sealing Cap**, with rubber seal
- 10924 E **Sealing Plug**, for respiration connector
- 10315 P **FLUVOG Adaptor**, with observation window, cap with rubber seal and with window, adjustable
- 10318 K **Injection Cannula**, LUER-Lock, outer diameter 3.5 mm
- 10318 S **Instrument Guide**, for suction catheter
- 10338 TRA **Adjustable Magnifier**, autoclavable, swing-away type, with ring adaption
- 10924 D **Adaptor**, for respirator
- 10924 DL **Adaptor**, for respirator, long version

Rigid Instrument Guide for use with Universal Bronchoscopes 10318 BK/CK/DK

- 10329 A **Rigid Instrument Guide**, with A. F. (anti-fog) device, can be attached to bronchoscope

Components/Spare Parts see chapter 13

Universal and Full Lumen Operating Tracheo-Bronchoscopes for Adults

with proximal illumination

10314 P

10318 K

10318 S

10314 BN 10314 BM

10101 FA/HA

10924 D

10924 DL

10924 E

10318 BP

10318 CP

10318 DP

10318 BPT

10318 CPT

10318 DPT

10318 F

10318 FL

10318 G

10101 FA

10101 HA

10314 BM

10314 BN

10924 E

10314 P

10318 K

10318 S

10924 D

10924 DL

10318 BP **Universal Bronchoscope**, size 8.5, length 43 cm

10318 CP **Same**, size 7.5

10318 DP **Same**, size 6.5

10318 BPT **Universal Tracheoscope**, size 8.5, outer diameter 11.2 mm, inner diameter 10.5 mm, length 33 cm

10318 CPT **Universal Tracheoscope**, size 7.5, outer diameter 10.2 mm, inner diameter 9.5 mm, length 33 cm

10318 DPT **Universal Tracheoscope**, size 6.5, outer diameter 9.2 mm, inner diameter 8.5 mm, length 33 cm

10318 F **Full Lumen Operating Tracheoscope**, size 12 mm, length 33 cm

10318 FL **Full Lumen Operating Bronchoscope**, size 12 mm, length 43 cm

10318 G **Full Lumen Operating Tracheoscope**, size 14 mm, length 33 cm

10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable

10101 HA **Prismatic Light Deflector, autoclavable**, with connection for fiber optic light cable

10314 BM **Sealing Cap**, with window

10314 BN **Sealing Cap**, with rubber seal

10924 E **Sealing Plug**, for respiration connector

10314 P **FLUVOG Adaptor**, with observation window, sealing cap with rubber seal and a window with opening, adjustable

10318 K **Injection Cannula**, LUER-Lock, outer diameter 3.5 mm

10318 S **Instrument Guide**, for suction catheter

10924 D **Adaptor**, for respirator

10924 DL **Adaptor**, for respirator, long version

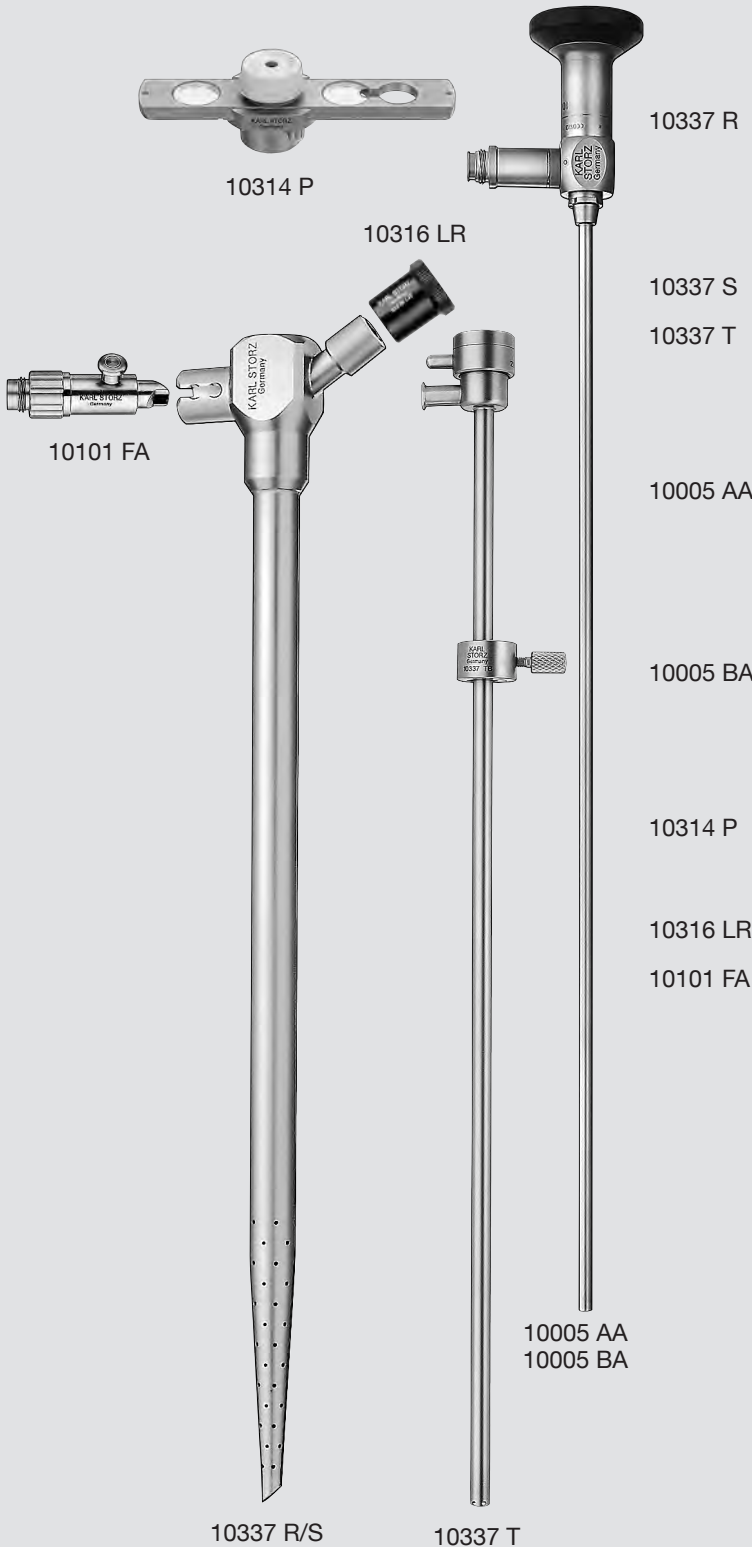
10318 BPT/CPT/DPT/F/G

10318 BP/CP/DP/FL

10318 BPT/CPT/DPT/F/G

Dilation Tracheoscopes

GRONINGEN model



- 10337 R **Optical Dilation Tracheoscope**, GRONINGEN model, rigid, with distance markings, distal end conical with lateral airholes and proximal with oxygen adaptor, outer diameter 12 mm, length 30 cm
- 10337 S **Same**, outer diameter 8 mm
- 10337 T **Optical Intubation Tracheoscope**, GRONINGEN model, proximal with LUER-Lock and distal with lateral airholes, outer diameter 5.5 mm, length 30 cm
- 10005 AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10005 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 10314 P **FLUVOG Adaptor**, with observation window, sealing cap with rubber seal and a window with opening, adjustable
- 10316 LR **Adaptor**, for respirator
- 10101 FA **Prismatic Light Deflector**, **autoclavable**, with connection to fiber optic light cable

10337 R/S

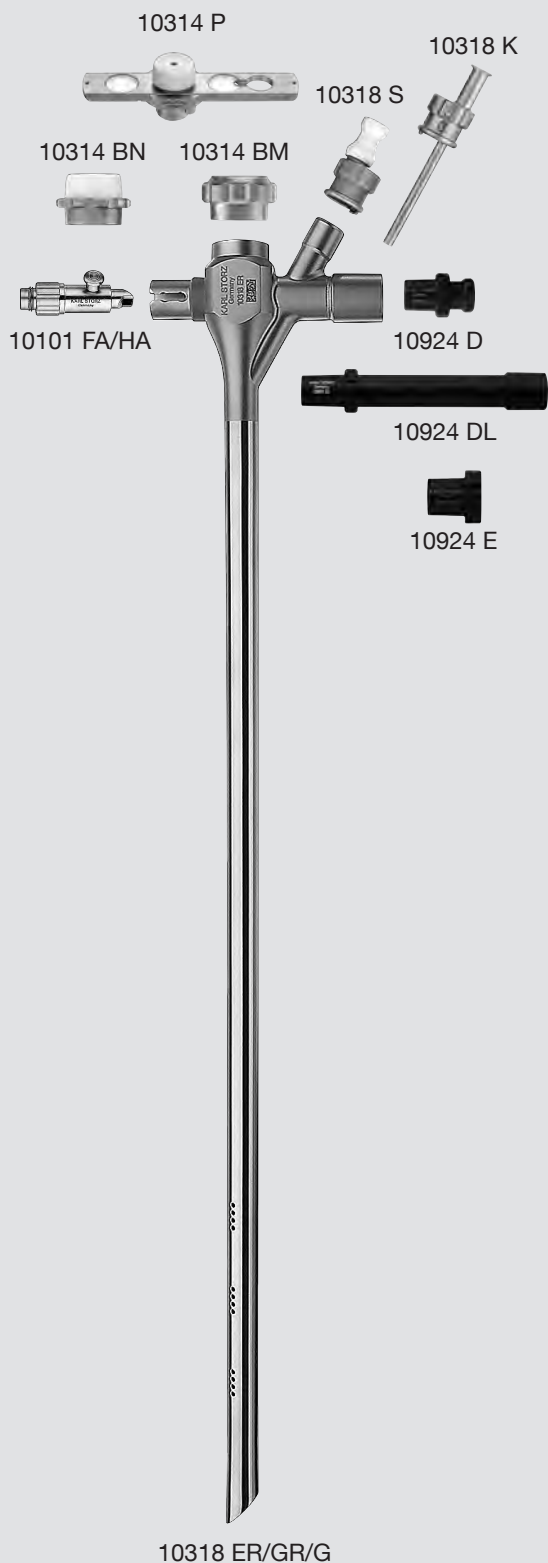
10337 T

10005 AA
10005 BA

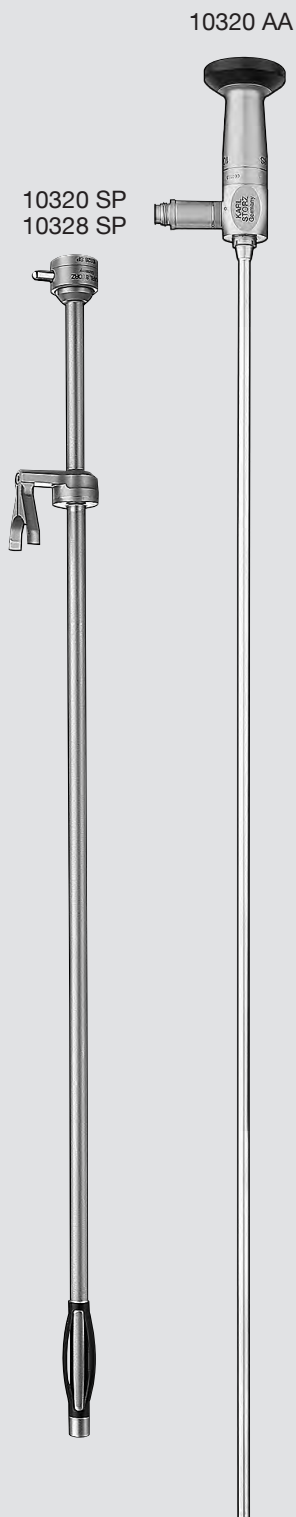
Components/Spare Parts see chapter 13

Full Lumen Operating Bronchoscopes for Adults

with proximal illumination



- 10318 ER **Full Lumen Operating Bronchoscope**, size 11 mm, outer diameter 11.2 mm, inner diameter 10.5 mm, distal with air holes and 45° oblique beak, length 43 cm, color code: green
- 10318 GL **Full Lumen Operating Bronchoscope**, size 14 mm, outer diameter 14 mm, inner diameter 13 mm, distal with air holes and 45° oblique beak, length 43 cm, color code: red
- 10318 GR **Full Lumen Operating Tracheoscope**, size 14 mm, outer diameter 14 mm, inner diameter 13 mm, distal with 45° oblique beak, length 33 cm, color code: blue
- 10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable
- 10101 HA **Prismatic Light Deflector, autoclavable**, with connection for fiber optic light cable
- 10314 BM **Sealing Cap**, with window
- 10314 BN **Sealing Cap**, with rubber seal
- 10924 E **Sealing Plug**, for respiration connector
- 10314 P **FLUVOG Adaptor**, with observation window, sealing cap with rubber seal and a window with opening, adjustable
- 10318 K **Injection Cannula**, LUER-Lock, outer diameter 3.5 mm
- 10318 S **Instrument Guide**, for suction catheter
- 10924 D **Adaptor**, for respirator
- 10924 DL **Adaptor**, for respirator, long version

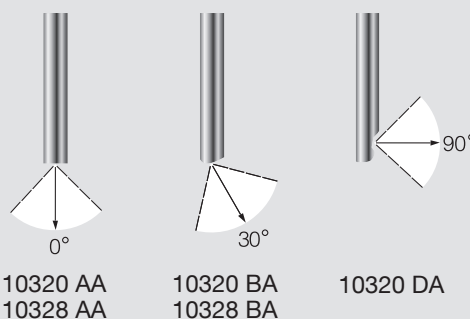


For use with Bronchoscopes 10318 and Optical Forceps 10350

- 10320 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 5.5 mm, length 50 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10320 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 5.5 mm, length 50 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 10320 DA **HOPKINS® Lateral Telescope 90°**, diameter 5.5 mm, length 50 cm, **autoclavable**, fiber optic light transmission incorporated, color code: blue

For use with Bronchoscopes 10318 and Optical Forceps 10352

- 10328 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 4.5 mm, length 50 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10328 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 4.5 mm, length 50 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

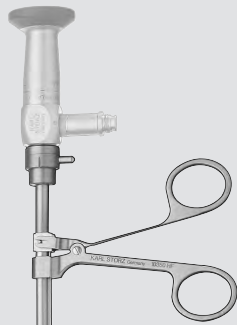


- 10320 SP **Telescope Guide Sheath**, for use with Bronchoscopes 10318 BP/CP/DP, 10318 ER/GL/FL and HOPKINS® Telescopes 10320 AA/BA
- 10328 SP **Telescope Guide Sheath**, for use with Bronchoscopes 10318 BP/CP/DP, 10318 ER/GL/FL and HOPKINS® Telescope 10328 AA

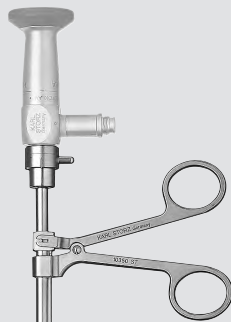
Container for the Sterilization and Storage of Telescopes see HYGIENE catalog

Optical Forceps

For use with HOPKINS® Telescopes 10320 AA/BA, Universal Tracheo-Bronchoscopes 10318 B/BP/BPT/C/CP/CPT/D/DP/DPT, size 8.5 to 6.5 and Operating Tracheo-Bronchoscopes 10318 ER/F/FL/G/GL/GR, size 11 to 14



10350 HF/KF



10350 L/ST/U/F/M

- 10350 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, large jaws, working length 45 cm, with spring-action handle, incl. cleaning adaptor
- 10350 KF **Optical Forceps**, with bean jaws, blunt grooved, double action jaws, working length 45 cm, with spring-action handle, incl. cleaning adaptor
- 10350 L **Optical Forceps**, spoon-shaped, round, double action jaws, working length 45 cm, incl. cleaning adaptor
- 10350 ST **Optical Forceps**, pointed, serrated, single action jaws, working length 46 cm, incl. cleaning adaptor
- 10350 U **Optical Forceps**, universal, serrated, double action jaws, working length 46 cm, incl. cleaning adaptor
- 10350 F **Optical Forceps**, fenestrated, blunt grooved, double action jaws, large jaws, working length 47 cm, incl. cleaning adaptor
- 10350 M **Optical Forceps**, oval, spoon-shaped, sharp, double action jaws, large jaws, working length 47 cm, incl. cleaning adaptor



10350 HF



10350 KF



10350 L



10350 ST



10350 U

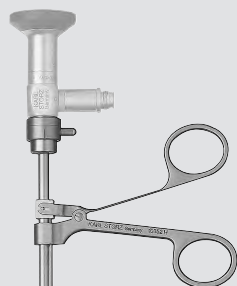


10350 F



10350 M

For use with HOPKINS® Telescopes 10328 AA/BA as well as Universal Bronchoscopes and Tracheoscopes 10318 B/BP/BPT/C/CP/CPT/D/DP/DPT, size 8.5 to 6.5



10352 H/KF



10352 L/U

10352 H **Optical Forceps**, with alligator jaws, serrated, double action jaws, working length 46 cm, with spring-action handle, incl. cleaning adaptor

10352 KF **Optical Forceps**, bean jaws, blunt grooved, double action jaws, working length 46 cm, with spring-action handle, incl. cleaning adaptor

10352 L **Optical Forceps**, spoon-shaped, round, double action jaws, working length 45 cm, incl. cleaning adaptor

10352 U **Optical Forceps**, universal, serrated, double action jaws, working length 46 cm, incl. cleaning adaptor



10352 H



10352 KF

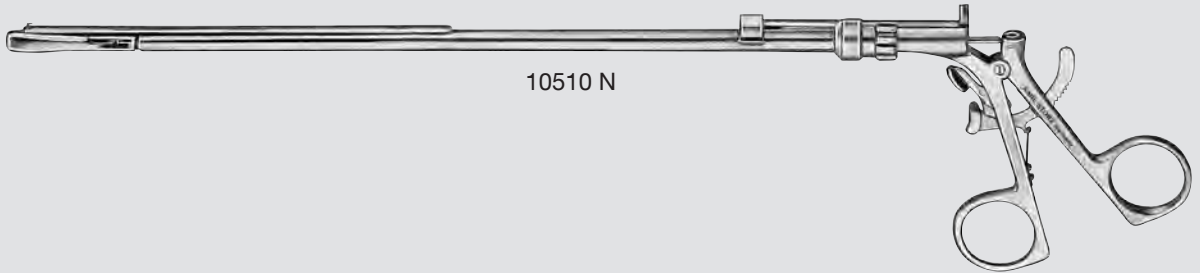


10352 L



10352 U

FREITAG Stent Forceps



10510 N



10510 N

FREITAG **Stent Forceps**, for the placement of dynamic stents including:

Handle, with ratchet

Outer Sheath

Forceps Insert

Pusher

Pediatric Bronchoscopes

with proximal illumination



- 10339 AL **DOESEL-HUZLY Bronchoscope**, size 6, length 40 cm
- 10339 BL **Same**, size 5
- 10339 A **DOESEL-HUZLY Bronchoscope**, size 6, length 30 cm
- 10339 B **Same**, size 5
- 10339 BB **Same**, size 4.5
- 10339 C **Same**, size 4
- 10339 G **Same**, size 3.7
- 10339 CD **Same**, size 3.5
- 10339 EEE **Same**, size 3
- 10339 CC **DOESEL-HUZLY Bronchoscope**, size 4, length 26 cm
- 10339 GG **Same**, size 3.7
- 10339 DD **Same**, size 3.5
- 10339 EE **Same**, size 3
- 10339 D **DOESEL-HUZLY Bronchoscope**, size 3.5, length 18.5 cm
- 10339 E **Same**, size 3
- 10339 F **Same**, size 2.5
- 10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable
- 10101 HA **Prismatic Light Deflector, autoclavable**, with connection for fiber optic light cable
- 10338 M **Sealing Cap**, with window
- 10338 N **Sealing Cap**, with rubber seal
- 10924 E **Sealing Plug**, for respiration connector
- 10338 P* **FLUVOG Adaptor**, with observation window, cap with rubber seal and with window, adjustable
- 10338 S **Instrument Guide**, for suction catheter, short, outer diameter 15 mm, length 30 cm
- 10338 TRA **Adjustable Magnifier, autoclavable**, swing-away type, with ring adaption
- 10924 D **Adaptor**, for respirator
- 10924 DL **Adaptor**, for respirator, long version
- 10318 K **Injection Cannula**, LUER-Lock, outer diameter 3.5 mm
- 10338 K **Injection Cannula**, LUER-Lock, outer diameter 2.7 mm, length 63 mm, for use with the bronchoscope series 10339

* **Note:** When using optical forceps and scissors in conjunction with rigid pediatric bronchoscopes, it is recommended to use Sealing Cap 10338 N instead of FLUVOG Adaptor 10338 P.

10023 ABA



**For use with 40 cm DOESEL-HUZLY Bronchoscopes
10339 AL/BL**

10023 ABA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.8 mm, length 44 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

**For use with 30 cm DOESEL-HUZLY Bronchoscopes
10339 A/B/BB/C/CD/EEE/G**

10324 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 36 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

10324 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 2.9 mm, length 36 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

**For use with 26 cm DOESEL-HUZLY Bronchoscopes
10339 CC/DD/EE/GG**

10020 ATA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.9 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

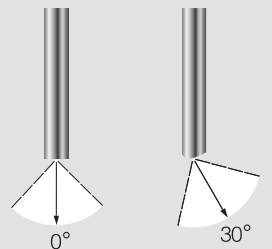
10020 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 2.9 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

**For use with 26 cm DOESEL-HUZLY Bronchoscopes
10339 CC/DD**

10005 AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

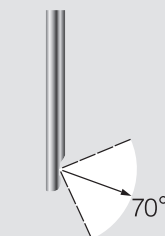
10005 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

10005 CA **HOPKINS® Forward-Oblique Telescope 70°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: yellow



10023 ABA
10324 AA
10020 ATA
10005 AA

10005 BA
10020 BA
10324 BA



10005 CA

For use with 18.5 cm DOESEL-HUZLY Bronchoscopes 10339 D/E/F

- 10018 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10018 BA **HOPKINS® Forward-Oblique Telescope 30°**, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 10017 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 1.9 and 2.1 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green

10018 AA/BA



10338 LCD



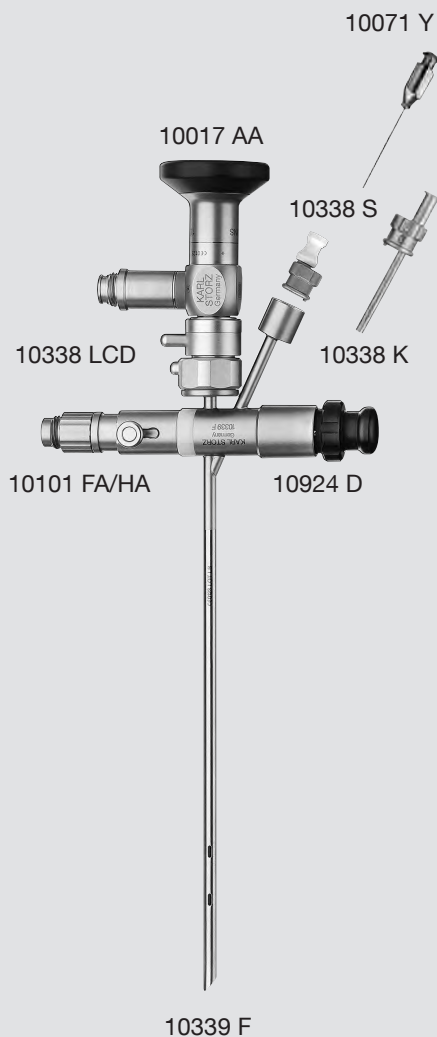
10338 R/RK/RL

For fixed position between the telescope and the bronchoscope

- 10338 LCD **Telescope Bridge**, for fixed position between HOPKINS® Telescopes 10017 AA, 10018 AA, Bronchoscopes 10339 D/E/F, 10020 ATA and 10339 A/B/BB/C/G/CD as well as Esophagoscopes 12030 A/B/C/F/G
- 10338 R **Telescope Bridge**, for fixed position between HOPKINS® Telescopes 10023 ABA, 10020 ATA/BA and Bronchoscopes 10339 AL/BL/CC/GG/DD/EE
- 10338 RK **Telescope Bridge**, for fixed position between HOPKINS® Telescopes 10324 AA/BA and Bronchoscopes 10339 A/B/BB/C/CD/EEE/G as well as Esophagoscopes 12030 A/B/C
- 10338 RL **Telescope Bridge**, for fixed position between HOPKINS® Telescope 10324 AA and Bronchoscopes 10339 CC/DD/EE/GG

Information on compatibility can be found in the system overview, see pages 544-546
Container for the Sterilization and Storage of Telescopes see HYGIENE catalog

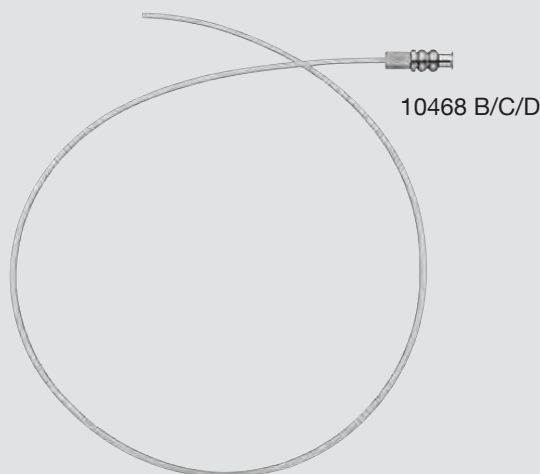
Instrument Set for Neonates



- 10339 F **DOESEL-HUZLY Bronchoscope**, size 2.5, outer diameter 4.2 mm, inner diameter 3.5 mm, length 18.5 cm
- 10101 FA **Prismatic Light Deflector, autoclavable**, with connection to fiber optic light cable
- 10101 HA **Prismatic Light Deflector, autoclavable**, with connection for fiber optic light cable
- 10017 AA **HOPKINS® Straight Forward Telescope 0°**, diameter 1.9 and 2.1 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 10338 LCD **Telescope Bridge**, for fixed position between HOPKINS® Telescopes 10017 AA, 10018 AA, Bronchoscopes 10339 D/E/F, 10020 ATA and 10339 A/B/BB/C/G/CD as well as Esophagoscopes 12030 A/B/C/F/G
- 10071 Y **Injection Cannula**
- 10338 S **Instrument Guide**, for suction catheter, short, outer diameter 15 mm, length 30 cm
- 10924 D **Adaptor**, for respirator
- 10338 K **Injection Cannula, LUER-Lock**, outer diameter 2.7 mm, length 63 mm, for use with the bronchoscope series 10339

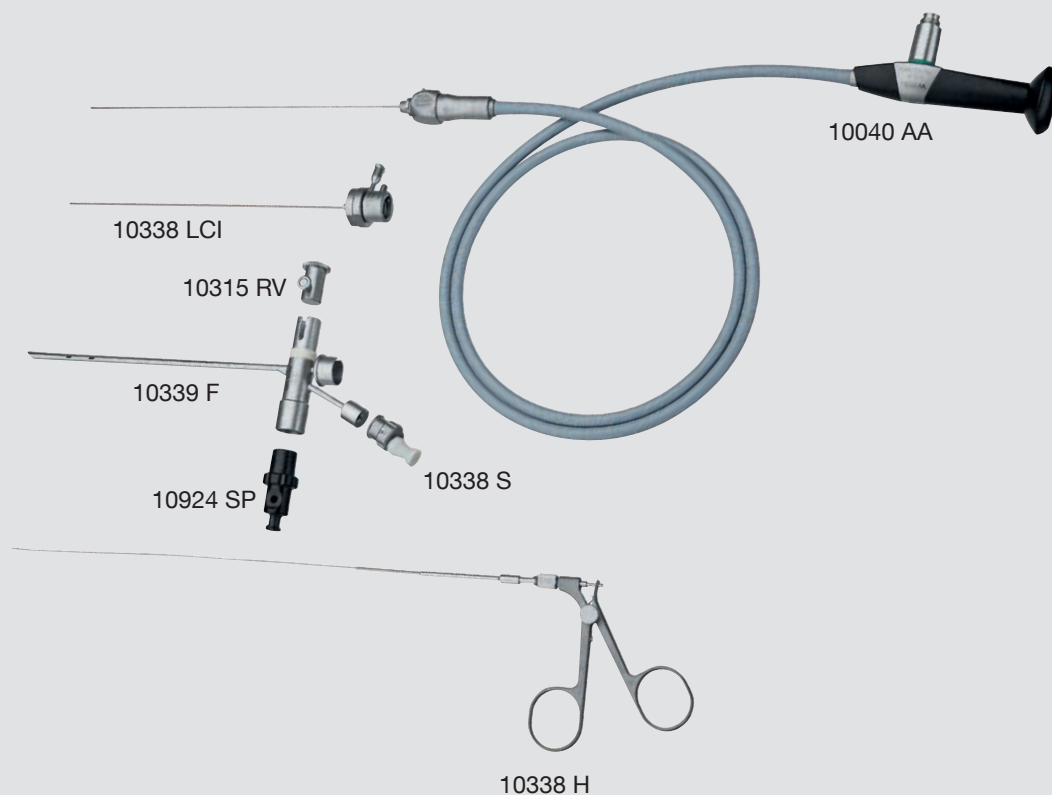
For use through a lateral working channel:

- 10468 B **Suction Catheter**, 7.5 Fr., with Adaptor 10479 B
- 10468 C **Suction Catheter**, 6 Fr., with Adaptor 10479 C
- 10468 D **Suction Catheter**, 4.5 Fr., with Adaptor 10479 F



Emergency Set for Balloon Removal during Childbirth

Bronchoscopy Set for Newborns

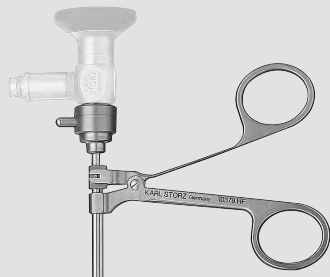


- | | |
|-----------|--|
| 10040 AA | Miniature Straight Forward Telescope 0° , direction of view 0°, outer diameter 1.3 mm, working length 18.8 cm, semirigid, autoclavable , remote eyepiece, with fiber optic light transmission incorporated |
| 10338 LCI | Telescope Bridge |
| 10315 RV | Blanking Plug , to close the prismatic light carrier adaptor at the bronchoscope or esophagoscope |
| 10339 F | DOESEL-HUZLY Bronchoscope , size 2.5, outer diameter 4.2 mm, inner diameter 3.5 mm, length 18.5 cm |
| 10338 S | Instrument Guide , for suction catheter, short, outer diameter 15 mm, length 30 cm |
| 10924 SP | Suction Plug |
| 10338 H | Forceps , with alligator jaws, serrated, double action jaws, flexible, diameter 1 mm, working length 19 cm, unsterile, for single use |

Components/Spare Parts see chapter 13

Optical Forceps

for Pediatric Bronchoscopes size 6 – 3.5, length 40 cm – 30 cm



10379 CF/HF/KF/L

For use with HOPKINS® Telescope 10023 ABA and Bronchoscopes 10339 AL/BL/A/B/BB/C/G/CD

- 10379 CF **Optical Forceps**, flat, serrated, 2 x 2 teeth, double action jaws, with spring-action handle, working length 42 cm, incl. cleaning adaptor
- 10379 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 42 cm, incl. cleaning adaptor
- 10379 KF **Optical Forceps**, with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 42 cm, incl. cleaning adaptor
- 10379 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 42 cm, incl. cleaning adaptor



10379 CF



10379 HF



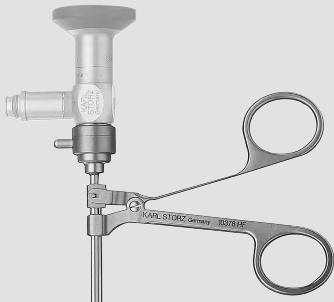
10379 KF



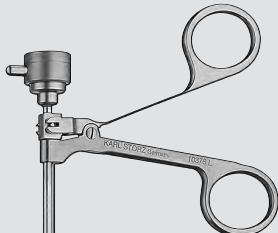
10379 L

Optical Forceps and Scissors

for Pediatric Bronchoscopes size 6 – 3.5, length 30 cm – 18.5 cm



10378 CF/HF/KF/KSF



10378 L/M/U/S

For use with HOPKINS® Telescope 10324 AA and Bronchoscopes 10339 A/B/BB/C/G/CD/CC/DD/D

10378 CF **Optical Forceps**, flat, serrated, 2 x 2 teeth, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 KF **Optical Forceps**, with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 KSF **Optical Forceps**, with bean jaws, blunt grooved, VANCOUVER model, with extra delicate jaws, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 M **Optical Forceps**, spoon-shaped, oval, double action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 U **Optical Forceps**, universal, serrated, with spring-action handle, working length 34 cm, incl. cleaning adaptor

10378 S **Optical Scissors**, single action jaws, with spring-action handle, working length 34 cm, incl. cleaning adaptor



10378 CF



10378 HF



10378 KF



10378 KSF



10378 L



10378 M



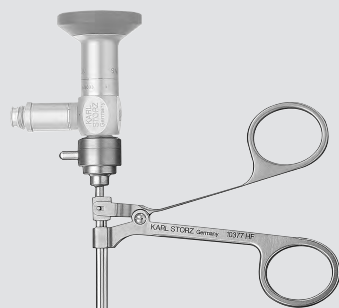
10378 U



10378 S

Optical Forceps

for Pediatric Bronchoscopes size 4 – 3.5, length 26 cm – 18.5 cm



10377 CF/HF/KF/U/L

For use with HOPKINS® Telescope 10020 ATA and Bronchoscopes 10339 CC/GG/DD/D

- 10377 CF **Optical Forceps**, flat, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 KF **Optical Forceps**, with KILLIAN bean jaws, blunt grooved, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 U **Optical Forceps**, universal, serrated, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor
- 10377 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor



10377 CF



10377 HF



10377 KF



10377 U



10377 L

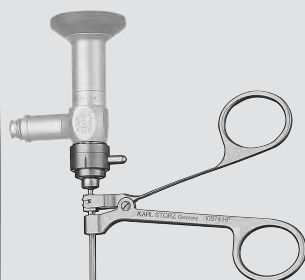
Optical Forceps

for Pediatric Bronchoscopes size 4 – 2.5, length 26 cm – 18.5 cm



**For use with Bronchoscopes
10339 CC/GG/DD/EE/D/E/F**

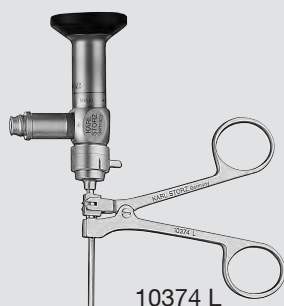
10030 AA **Miniature Straight Forward Telescope 0°**, semirigid, diameter 1.3 mm, length 30.6 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



10374 HF **Optical Forceps**, with alligator jaws, serrated, double action jaws, with spring-action handle, working length 29 cm, incl. cleaning adaptor

10374 HF

10374 L **Optical Forceps**, spoon-shaped, round, double action jaws, with spring-action handle, working length 28 cm, incl. cleaning adaptor



10374 L



10374 HF



10374 L

Forceps and Scissors for Bronchoscopy

Single action jaws



10366 U

Sheath diameter 2.5 mm, working length 55 cm

- 10366 H **Forceps**, with alligator jaws, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 K **Forceps**, bean jaws, blunt grooved, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 L **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 U **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10366 S **Scissors**, straight, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 2.5 mm, working length 35 cm

- 10367 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10367 K **Forceps**, bean jaws, blunt grooved, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10367 L **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning



10366 H
10367 H



10366 K
10367 K



10366 L
10367 L



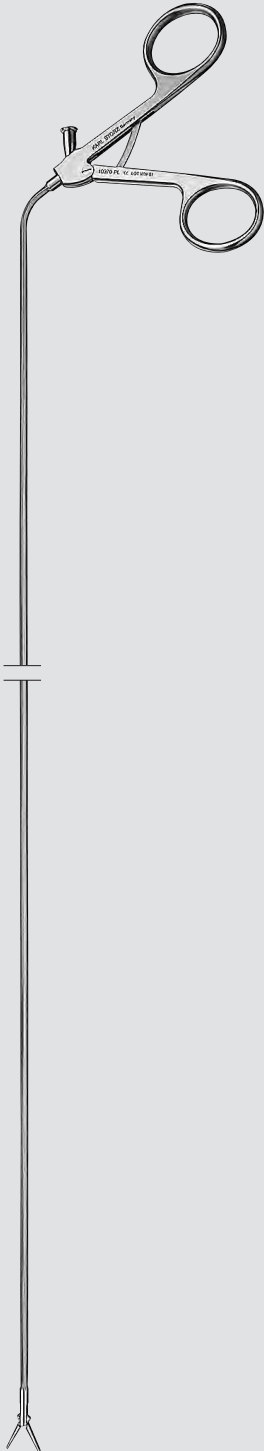
10366 U



10366 S

Forceps for Bronchoscopy

Double action jaws



Sheath diameter 2.5 mm, working length 55 cm

- 10370 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.3 mm, with LUER-Lock irrigation connector for cleaning
- 10370 JL **Forceps**, pointed, serrated, width of jaws 2.7 mm, with LUER-Lock irrigation connector for cleaning
- 10370 KL **Forceps**, bean jaws, blunt grooved, width of jaws 7.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 LL **Forceps**, round, spoon-shaped, width of jaws 5.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 UL **Forceps**, universal, serrated, width of jaws 4.5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 2.5 mm, working length 50 cm

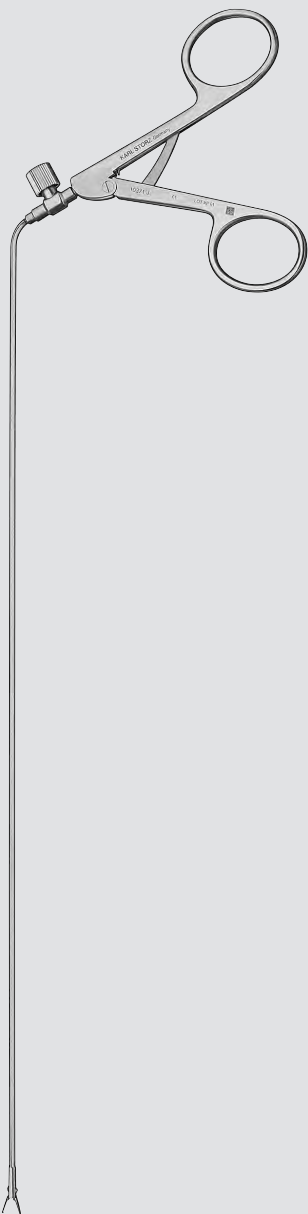
- 10370 H **Forceps**, with alligator jaws, serrated, width of jaws 3.3 mm, with LUER-Lock irrigation connector for cleaning
- 10370 J **Forceps**, pointed, serrated, width of jaws 2.7 mm, with LUER-Lock irrigation connector for cleaning
- 10370 K **Forceps**, bean jaws, blunt grooved, width of jaws 7.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 L **Forceps**, spoon-shaped, round, width of jaws 5.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 U **Forceps**, universal, serrated, width of jaws 4.5 mm, with LUER-Lock irrigation connector for cleaning
- 10370 P **Forceps**, spoon-shaped, oval, fenestrated, width of jaws 5.5 mm, with LUER-Lock irrigation connector for cleaning



10370 HL 10370 JL 10370 KL 10370 LL 10370 UL 10370 P
10370 H 10370 J 10370 K 10370 L 10370 U

Forceps for Bronchoscopy

Double action jaws



Sheath diameter 2.5 mm, working length 45 cm

- 10371 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 KL **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 LL **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 UL **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 2 mm, working length 35 cm

- 10371 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 J **Forceps**, pointed, serrated, width of jaws 3.3 mm, with LUER-Lock irrigation connector for cleaning
- 10371 K **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 L **Forceps**, spoon-shaped, round, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10371 P **Forceps**, oval, spoon-shaped, fenestrated, width of jaws 4 mm, with LUER-Lock irrigation connector for cleaning
- 10371 U **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning



10371 HL
10371 H



10371 J



10371 KL
10371 K



10371 LL
10371 L



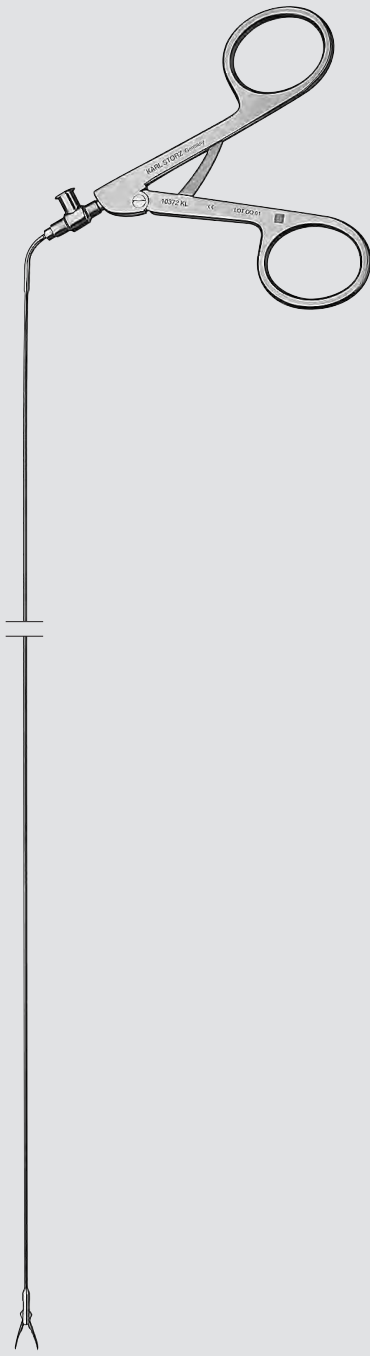
10371 P



10371 UL
10371 U

Forceps for Bronchoscopy

Double action jaws



Sheath diameter 1.5 mm, working length 35 cm

- 10372 HL **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 JL **Forceps**, pointed, serrated, width of jaws 3.1 mm, with LUER-Lock irrigation connector for cleaning
- 10372 KL **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 LL **Forceps**, round, spoon-shaped, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 UL **Forceps**, universal, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning

Sheath diameter 1.5 mm, working length 25 cm

- 10372 H **Forceps**, with alligator jaws, serrated, width of jaws 3.5 mm, with LUER-Lock irrigation connector for cleaning
- 10372 K **Forceps**, bean jaws, blunt grooved, width of jaws 5 mm, with LUER-Lock irrigation connector for cleaning



10372 H
10372 HL



10372 JL



10372 K
10372 KL



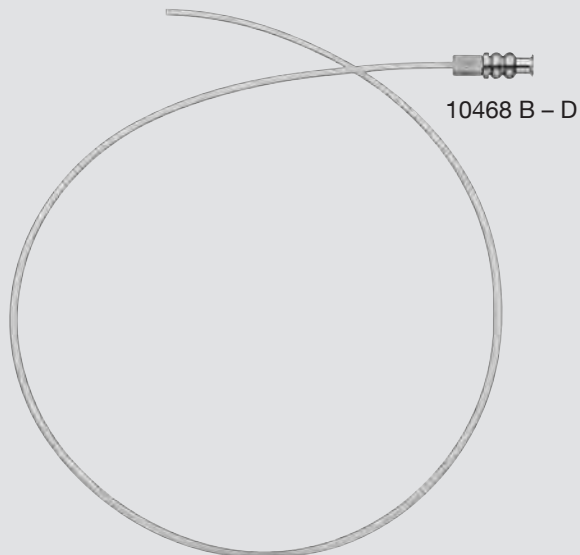
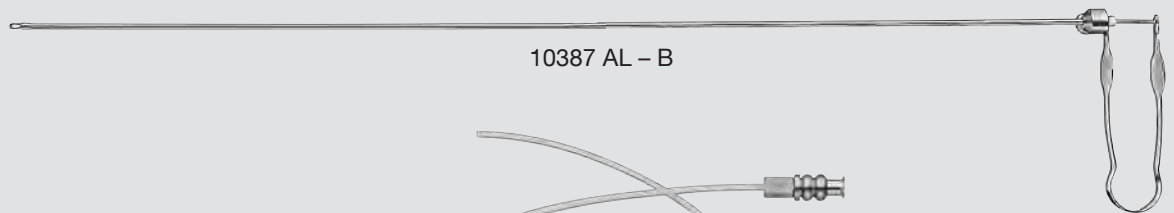
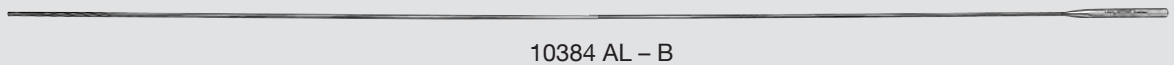
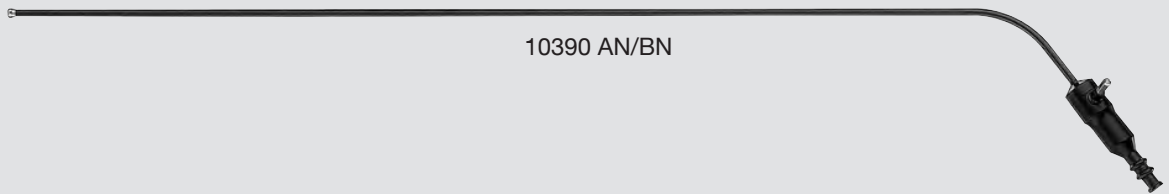
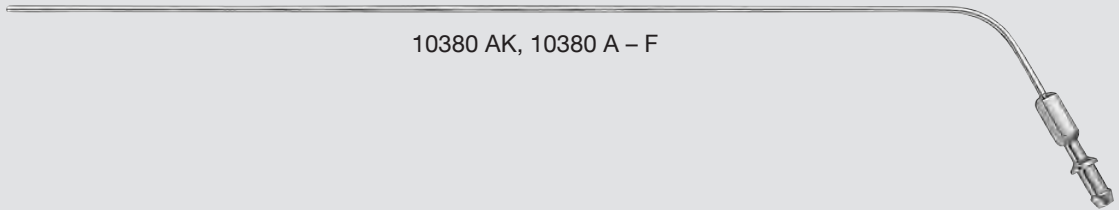
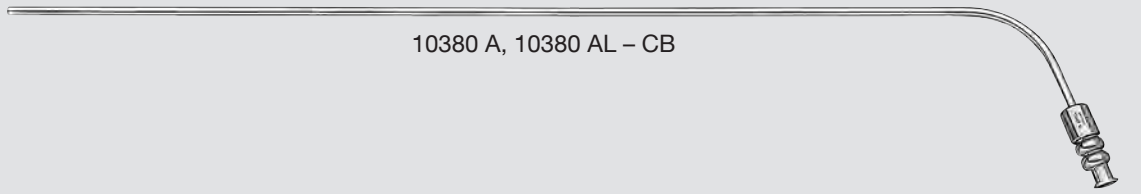
10372 LL



10372 UL

Accessories for Bronchoscopy

Suction Tubes, Cotton Carriers, Sponge Holders and Catheters



3-111

Description of instruments see page 540

Accessories for Bronchoscopy

Suction Tubes, Cotton Carriers, Sponge Holders and Catheters

Working length 55 cm

10380 AL	Suction Tube , diameter 4 mm
10383 AL	Same , with cut-off hole
10384 AL	Cotton Carrier
10387 AL	Sponge Holder , with spring handle

Working length 50 cm

10380 A	Suction Tube , diameter 4 mm
10380 D	Same , diameter 2.5 mm
10380 H	Same , diameter 5 mm
10383 A	Suction Tube , with cut-off hole, diameter 4 mm
10390 AN	Coagulation Suction Tube , insulated, with connector pin for unipolar coagulation, diameter 4 mm
10384 A	Cotton Applicator
10387 A	Sponge Holder , with spring handle

Working length 45 cm

10380 AM	Suction Tube , diameter 4 mm
10383 AM	Suction Tube , with cut-off hole, diameter 3 mm

Working length 35 cm

10380 AK	Suction Tube , with cut-off hole, diameter 4 mm
10380 B	Suction Tube , diameter 3 mm
10380 CB	Same , diameter 2 mm
10383 B	Suction Tube , with cut-off hole, diameter 3 mm
10383 BL	Same , diameter 5.5 mm
10390 BN	Coagulation Suction Tube , insulated, with connector pin for unipolar coagulation, diameter 3 mm
10384 B	Cotton Applicator
10387 B	Sponge Holder , with spring handle

Working length 30 cm

10383 DD	Suction Tube , with cut-off hole, diameter 2 mm
10383 F	Same , diameter 3 mm

Working length 25 cm

10380 C	Suction Tube , diameter 2 mm
10383 C	Suction Tube , with cut-off hole, diameter 2 mm
10383 D	Same , diameter 3 mm
10383 E	Same , diameter 4 mm
10383 CC	Same , diameter 1 mm

For use through the lateral working channel of rigid bronchoscope

10468 B	Suction Catheter , 7.5 Fr., with Adaptor 10479 B
10468 C	Same , 6 Fr., with Adaptor 10479 C
10468 D	Same , 4.5 Fr., with Adaptor 10479 F

Components/Spare Parts see chapter 13

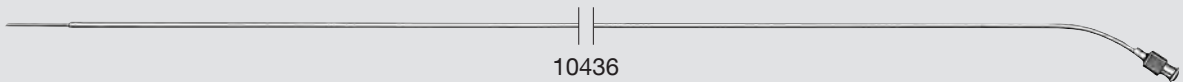
Accessories for Bronchoscopy

Instruments for Aspiration, Irrigation and Puncture Biopsy



10432 N/T

- 10432 N **Aspirator**, for collecting secretions, with cut-off hole, can be connected to suction tubes or suction catheters
- 10432 T **Same**, without cut-off hole



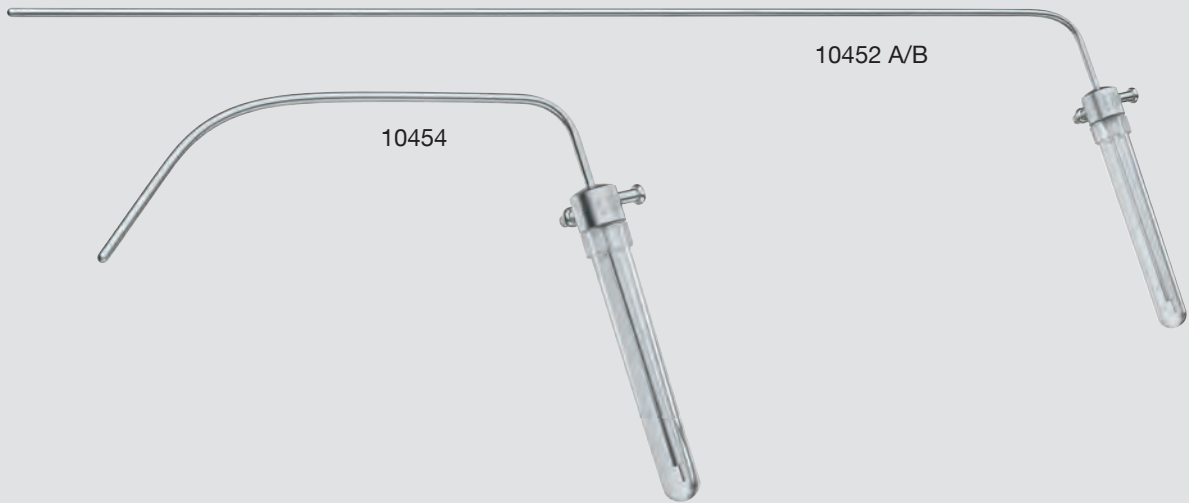
10436



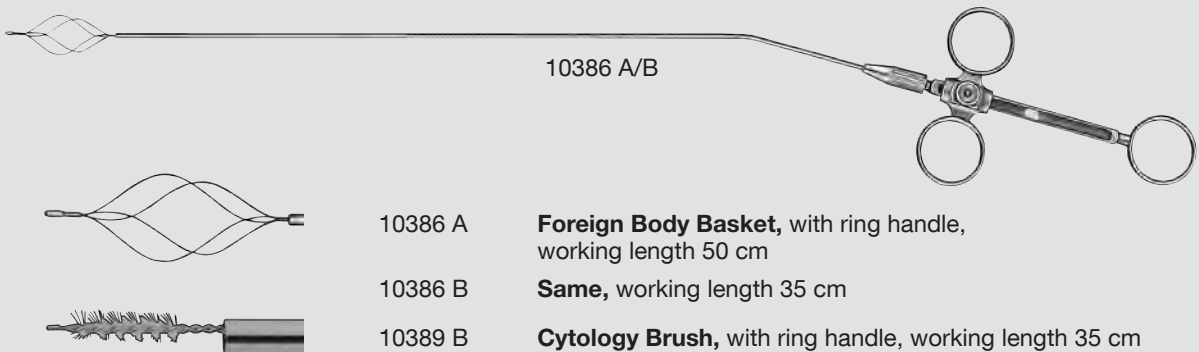
- 10436 **Puncture Cannula**, for transbronchial biopsy, distal straight, diameter 1.6 mm, working length 47 cm
- 10438 **Same**, distally angled

Accessories for Bronchoscopy

Atomizers and Foreign Body Baskets



- 10452 A **Bronchial Atomizer**, length 50 cm
- 10452 B **Bronchial Atomizer**, length 40 cm
- 10454 **Laryngeal Atomizer**, with Graduated Container 10455 A, length 19 cm



- 10386 A **Foreign Body Basket**, with ring handle, working length 50 cm
- 10386 B **Same**, working length 35 cm
- 10389 B **Cytology Brush**, with ring handle, working length 35 cm

Components/Spare Parts see chapter 13

Accessories for Bronchoscopy

Antifog Solution



15006 C

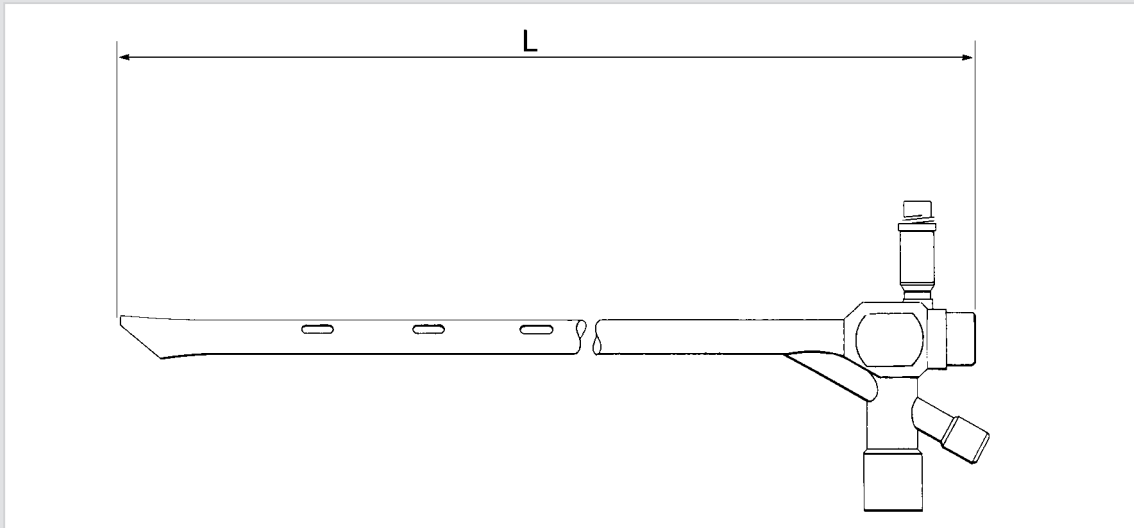
15006 D

15006 C "ULTRA STOP" Antifog Solution,
30 ml, sterile, pierce bottle

15006 D "ULTRA STOP" Antifog Solution,
15 ml, atomizer bottle

System Overview Universal Bronchoscopes

with distal illumination

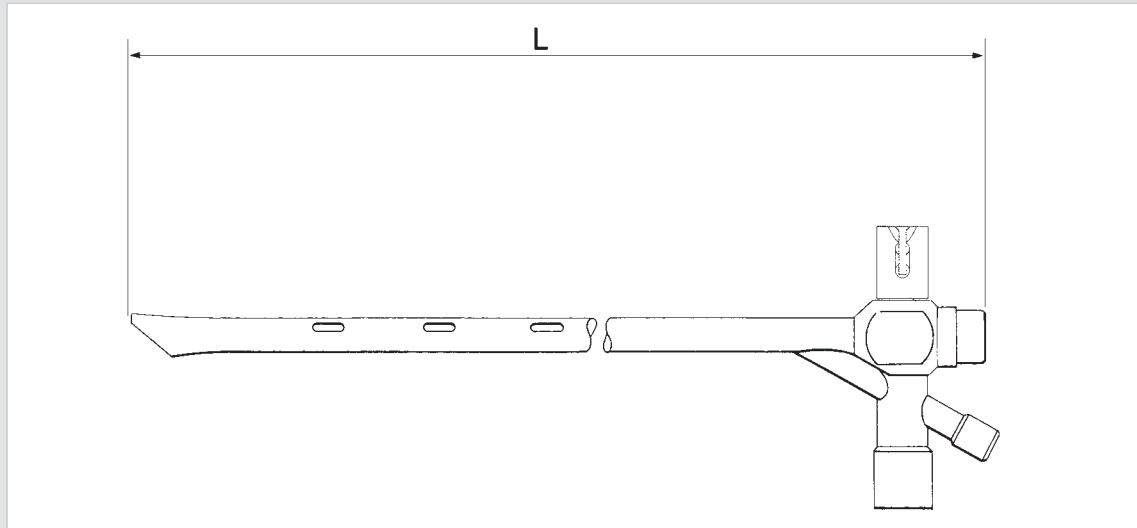


Order no.	Size	Length in cm - L -	Telescopes	Optical Forceps and Instruments
10318 BK	8.5	43	10320 AA/BA	for use with HOPKINS® Telescopes 10320 AA/BA: 10350 F, 10350 KF, 10350 L, 10350 M, 10350 ST, 10350 U
10318 CK	7.5	43	10320 AA/BA	for use with HOPKINS® Telescopes 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U
10318 DK	6.5	43	10328 AA/BA	for use with HOPKINS® Telescopes 10328 AA/BA: 10352 H, 10352 KF, 10352 L, 10352 U

System Overview

Universal Bronchoscopes and Tracheoscopes

with proximal illumination

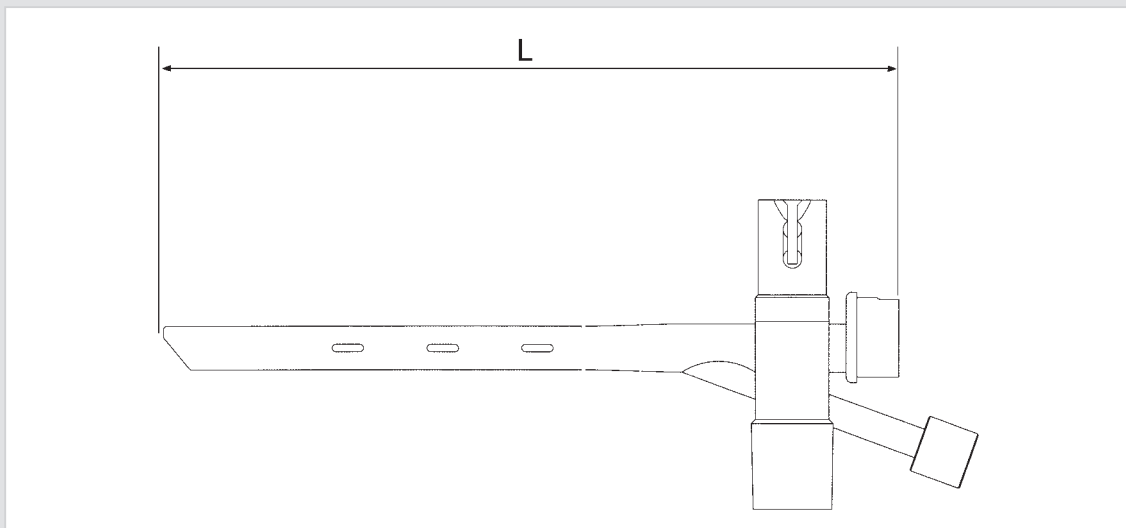


Order no.	Size	Length in cm - L -	Telescopes with Guide Sheaths	Optical Forceps and Instruments
10318 G	14	33	10320 AA/BA	for use with HOPKINS® Telescopes 10320 AA/BA: 10350 F, 10350 KF, 10350 L, 10350 M, 10350 ST, 10350 U
10318 F	12	33	10320 AA/BA	
10318 GL 10318 GR	14	43	10320 AA/BA with 10320 SP	for use with HOPKINS® Telescopes 10320 AA/BA: 10350 F, 10350 KF, 10350 L, 10350 M, 10350 ST, 10350 U
		33	10320 AA/BA	
10318 FL	12	43	10320 AA/BA with 10320 SP	
10318 ER	11	43	10320 AA/BA with 10320 SP	
10318 BP 10318 BPT	8.5	43	10320 AA/BA with 10320 SP	
		33	10320 AA/BA	
10318 CP 10318 CPT	7.5	43	10320 AA/BA with 10320 SP	for use with HOPKINS® Telescopes 10320 AA/BA: 10350 F, 10350 KF, 10350 L, 10350 M, 10350 ST, 10350 U
		33	10320 AA/BA	
10318 DP 10318 DPT	6.5	43	10328 AA/BA with 10328 SP 10320 AA/BA with 10320 SP	for use with HOPKINS® Telescopes 10328 AA/BA: 10352 H, 10352 KF, 10352 L, 10352 U for use with HOPKINS® Telescopes 10320 AA/BA: 10350 HF, 10350 KF, 10350 L, 10350 ST, 10350 U
		33	10328 AA/BA 10320 AA/BA	

System Overview

DOESEL-HUZLY Pediatric Bronchoscopes

with proximal illumination



Order no.	Size	Length in cm - L -	Telescopes with Guide Sheaths	Optical Forceps
10339 AL 10339 BL	6 5	40	10023 ABA with 10338 R	for use with HOPKINS® Telescope 10023 ABA: 10379 CF, 10379 HF, 10379 KF, 10379 L
10339 A 10339 B 10339 BB 10339 C 10339 G 10339 CD	6 5 4.5 4 3.7 3.5	30	10324 AA/BA with 10338 RK 10020 ATA/BA with 10338 LCD	for use with HOPKINS® Telescope 10324 AA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U for use with HOPKINS® Telescope 10023 ABA: 10379 CF, 10379 HF, 10379 KF, 10379 L
10339 EEE	3		10324 AA/BA with 10338 RK 10020 ATA/BA with 10338 LCD	-
10339 CC 10339 GG 10339 DD	4 3.7 3.5	26	10324 AA/BA with 10338 RL 10020 ATA/BA with 10338 R	for use with HOPKINS® Telescopes 10020 ATA/BA: 10377 CF, 10377 HF, 10377 KF, 10377 L, 10377 U for use with HOPKINS® Telescopes 10324 AA/BA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U, 10378 S
10339 EE	3		10324 AA/BA with 10338 RL 10020 ATA/BA with 10338 R	for use with Telescope 10030 AA: 10374 HF, 10374 L
10339 D	3.5	18,5	10018 AA/BA with 10338 LCD	for use with HOPKINS® Telescopes 10020 ATA/BA: 10377 CF, 10377 HF, 10377 KF, 10377 L, 10377 U for use with HOPKINS® Telescopes 10324 AA/BA: 10378 CF, 10378 HF, 10378 KF, 10378 KSF, 10378 L, 10378 M, 10378 U, 10378 S
10339 E	3		10018 AA/BA with 10338 LCD	for use with Telescope 10030 AA: 10374 HF, 10374 L
10339 F	2.5		10017 AA with 10338 LCD 10018 AA/BA with 10338 LCD	for use with Telescope 10030 AA: 10374 HF, 10374 L

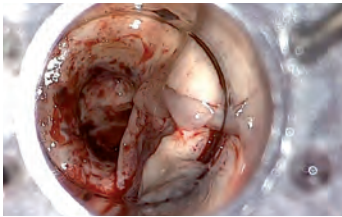
VISUALIZATION SYSTEMS FOR OPEN AND MICRO SURGERY



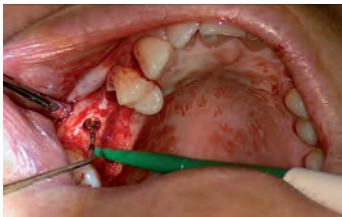
VITOM® 2D

Potential applications

The VITOM® system can be used for many specialties in open surgery. In addition to visualization under white light, the VITOM® system also supports the option for fluorescence imaging (NIR/ICG and BLI).



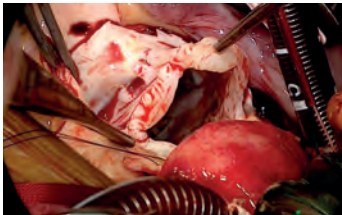
Port-based interventions
see NEUROSURGERY catalog



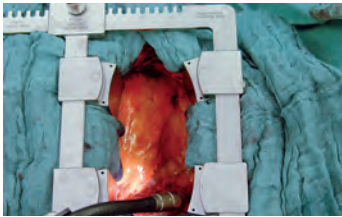
Dysgnathia surgery, flap preparation
see ORAL AND MAXILLOFACIAL SURGERY catalog



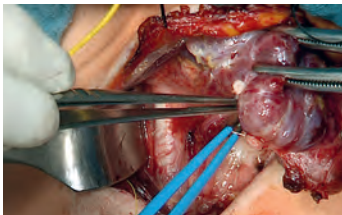
Open rhinoplasty, septoplasty, adenotomy
see ENDOSCOPES AND INSTRUMENTS
FOR ENT, ESOPHAGOSCOPY –
BRONCHOSCOPY catalog



**Mitral valve surgery,
pediatric heart surgery**
see ENDOSCOPES AND
INSTRUMENTS FOR CARDIO-
VASCULAR SURGERY catalog



Mini-thoracotomy
see THORAX catalog

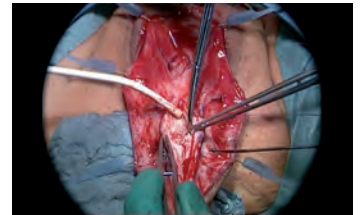


Open thyroidectomy
see LAPAROSCOPY IN SURGERY,
GYNECOLOGY, UROLOGY catalog



Loop conization, colposcopy
see GYNECOLOGY catalog

① **Urethral reconstruction, hypospadias/epispadias correction, artificial sphincter implantation, open prostatectomy**
see UROLOGY catalog



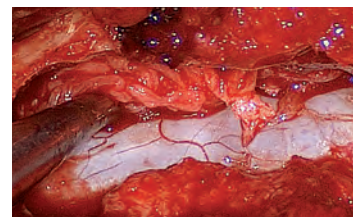
① **Artificial sphincter implantation, rectal prolapse**
see PROCTOLOGY catalog



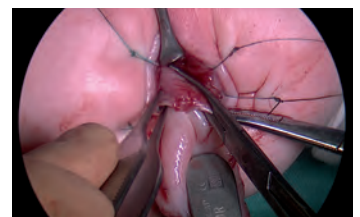
① **Dupuytren's contracture, ulnar shortening osteotomy, arthroplasty**
see ARTHROSCOPY AND SPORTS MEDICINE catalog



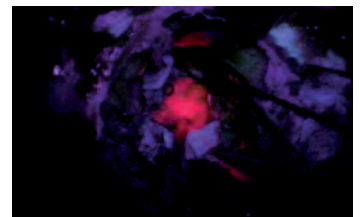
① **Herniated discs, spinal stenosis, spondylodesis**
see SPINE SURGERY catalog



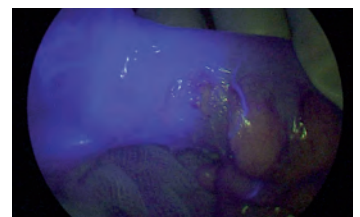
① **Anorectal malformation, hypospadias correction, epispadias correction, ambiguous genitalia**
see PEDIATRIC SURGERY catalog



① **Display of glioblastoma in neurosurgery**
see FLUORESCENCE IMAGING WITH BLI



① **Perfusion assessment of anastomoses or free flaps, visualization of sentinel lymph nodes**
see FLUORESCENCE IMAGING WITH NIR/ICG



VITOM® 2D

2D visualization for open surgery with minimal access

Brilliant Visualization

The IMAGE1 S™ camera system provides support for all interventions in minimally invasive and open surgery. VITOM® provides great depth of field, optimal magnification as well as good contrast and color reproduction, which are the ideal prerequisites for the visualization of interventions in open surgery.

Documentation

The VITOM® system is suitable for the documentation of interventions in open surgery with minimal access.

Ergonomic Work

Enhanced images of the open surgical procedure can be observed via a monitor from a convenient distance by the surgeon, the assistant as well as the entire OR team. The system offers everyone present in the OR a view of the surgical field.

Teaching and Training

The VITOM® system is also suitable for both teaching and training purposes as the system offers an unrestricted and magnified view of the surgical site both inside and outside the OR.



VITOM® 2D

2D visualization for open surgery with minimal access

VITOM® Telescope 0°

The VITOM® telescope 0° is particularly suitable for the documentation of open surgeries. Thanks to its design

and 0° direction of view, the telescope can be easily positioned by an assistant.



20 9160 25 AA

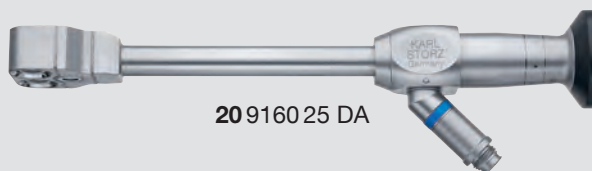


20 9160 25 AA VITOM® Telescope 0° with Integrated Illuminator, VITOM® HOPKINS® straight forward telescope 0°, working distance 25 – 75 cm, length 11 cm, autoclavable, with fiber optic light transmission incorporated and condensor lenses, color code: green

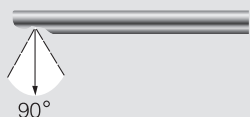
VITOM® Telescope 90°

For the visualization of an intervention, the VITOM® telescope with a 90° direction of view is recommended as it allows flexible and ergonomic positioning above the surgical site. This is a particular advantage for oper-

ating surgeons who wish to benefit from a clear and enlarged view on the monitor during a procedure.



20 9160 25 DA



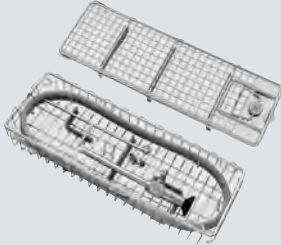


20 9160 25 DA VITOM® Telescope 90° with Integrated Illuminator, VITOM® HOPKINS® telescope 90°, working distance 25 – 75 cm, length 11 cm, autoclavable, with fiber optic light transmission incorporated and condensor lenses, color code: blue

Note: VITOM® is always used with a holding system.

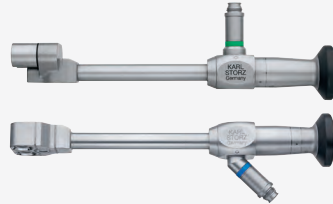
Specifications see page 559

Components/Spare Parts see chapter 13

		VITOM® Scope 0°	VITOM® Scope 90°
		with Integrated Illuminator	
		20 9160 25 AA	20 9160 25 DA
495 TIP	 <p>Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 300 cm, for use with TIPCAM®</p>	●	●
495 NVC	 <p>Fiber Optic Light Cable, with 90° deflection to the instrument, very narrow radius of curvature, diameter 4.8 mm, length 300 cm</p>	●	-
39501 A2	 <p>Wire Tray for Cleaning, Sterilization and Storage of two rigid endoscopes and one light cable, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 352 x 125 x 54 mm, for rigid endoscopes up to diameter 10 mm and working length 20 cm</p>	●	●

Please note: The instruments displayed are not included in the sterilization and storage tray.

VITOM® Scope 0° with Integrated Illuminator
 VITOM® Scope 90° with Integrated Illuminator



20 9160 25 AA/DA

Clamping Cylinder



28272 CN

Fiber Optic Light Cable



495 TIP

Mechanical Holding Arm



28272 UGK

28272 HC

28172 HR

IMAGE1 S™ 4U One-Chip 4K UHD
 Camera Head



TH 120

Cold Light Fountain POWER LED 300 SCB



TL 300

IMAGE1 S™ Camera Systems



TC 201EN
 TC 304

32" 4K Monitor



TM 343

VITOM® II NIR/ICG and PDD

Visualization system for fluorescence imaging in open surgery
with OPAL1® technology

OPAL1® – Fluorescence imaging based on the IMAGE1 S™ camera platform

Thanks to the OPAL1® technologies based on the IMAGE1 S™ camera platform, KARL STORZ is able to offer better visualization of anatomical structures or malignancies that are hidden to the naked eye under white light in minimally invasive and open surgery.

Near-infrared (NIR/ICG) fluorescence imaging allows the assessment of organ and tissue perfusion, e.g., following anastomoses or bypasses. It also makes it possible to display the bile duct anatomy during cholecystectomies or in the case of suspected lymphatic leakage. Furthermore, this technology can be used to visualize the lymphatic system. The fluorescent dye indocyanine green (ICG) is used in this case.



Blue Light Imaging (BLI) is able to detect the high concentrations of fluorescent porphyrine products that indicate bladder tumors.

At the core of these fluorescence procedures is the IMAGE1 S™ camera platform which, in combination with various light sources and telescopes, forms the basis for OPAL1® technologies for fluorescent imaging. This combination offers physicians additional visual support in FULL HD image quality that is able to aid decision-making processes on a regular basis.

Fields of application for VITOM® II NIR/ICG:

- Perfusion assessment in open surgery
- Visualization of the lymphatic system*
- Bile duct visualization



Fields of application for VITOM® II PDD:

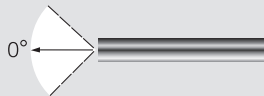
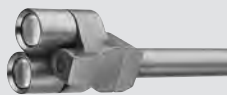
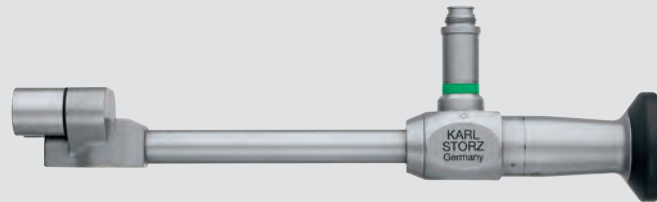
- Fluorescence-guided resection of high-grade gliomas



* Please verify that the fluorescent dye is approved for the respective indication in your country.

VITOM® II NIR/ICG

Visualization system for near infrared (NIR/ICG) fluorescence imaging in open surgery



209160 25 AGA VITOM® II NIR/ICG Telescope 0°, with integrated illuminator and observation filter for fluorescence diagnostics with ICG, HOPKINS®, working distance 25 – 75 cm for white light, 20 – 30 cm for fluorescence applications, length 11 cm, **autoclavable**, with fiber optic light transmission incorporated and condensor lenses, color code: green



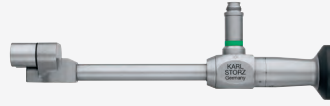
495 NCSC Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm

The IMAGE1 S™ platform is recommended for NIR/ICG applications. Suitable light sources for NIR/ICG applications see the IMAGING – VITOM® – Visualization systems for microsurgery and open surgery online catalog at www.karlstorz.com

VITOM® II NIR/ICG

Overview

VITOM® II NIR/ICG Scoope
with Integrated Illuminator



20 9160 25 AGA

Clamping Cylinder



28272 CN

Fluid or Fiber Optic Light Cables



495 FR
495 NCSC

Mechanical Holding Arm



28272 UGK

28272 HC

28172 HR

IMAGE1 S™ RUBINA®



TH 121

POWER LED RUBINA®



TL 400

IMAGE1 S™ Camera Systems



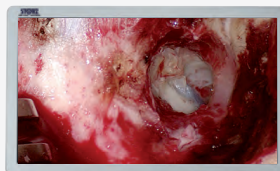
TC 201EN
TC 304

One-Pedal Footswitch



UF 101

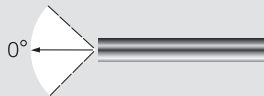
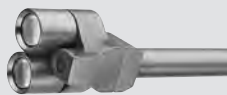
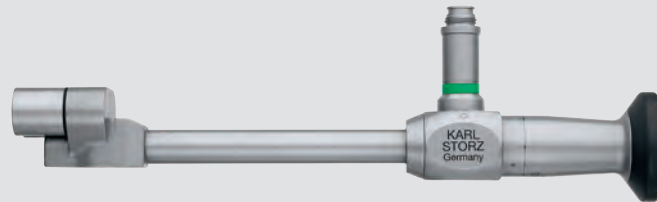
27" FULL HD Monitor



TM 220

VITOM® II PDD

Visualization system for open surgery with minimal access
with OPAL1® technology



20 9160 25 AIA

VITOM® II PDD Telescope 0°, with integrated illuminator and observation filter for fluorescence diagnostics with PDD, HOPKINS®, working distance 25 – 75 cm for white light, 20 – 30 cm for fluorescence applications, length 11 cm, **autoclavable**, with fiber optic light transmission incorporated and condensor lenses, color code: green



495 FR

Fluid Light Cable, diameter 5 mm, length 250 cm

The IMAGE1 S™ platform is recommended for BLI applications.
Suitable light sources for BLI applications see the IMAGING – VITOM® – Visualization systems for microsurgery and open surgery online catalog at www.karlstorz.com

VITOM® II PDD

Overview

VITOM® II PDD Telescope 0°
with Integrated Illuminator



20 9160 25 AIA

Clamping Cylinder



28272 CN

Fluid Light Cable



495 FR

Mechanical Holding Arm



28272 UGK

28272 HC

28172 HR

One-Chip FULL HD Camera Head



TH 112

Cold Light Fountain D-LIGHT C/AF SCB



20 1336 01-133

IMAGE1 S™ Camera Systems



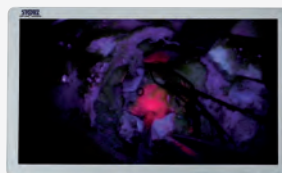
TC 200EN
TC 301

One-Pedal Footswitch



20 0141 30

27" FULL HD Monitor



TM 220

Working distance:	25 – 75 cm		
Depth of view at working distance of:	25 cm	50 cm	75 cm
Depth of view:	approx. 3.5 cm	approx. 7 cm	approx. 10 cm
Field of view at working distance of:	25 cm	50 cm	75 cm
IMAGE1 S™ H3-Z camera zoom 1x	5 cm	10 cm	15 cm
IMAGE1 S™ H3-Z camera zoom 2x	3.5 cm	7 cm	10.5 cm
Reproduction scale at working distance of:	25 cm	50 cm	75 cm
26" Monitor:			
H3-Z camera zoom 1x	approx. 8x	approx. 4x	approx. 3x
H3-Z camera zoom 2x	approx. 16x	approx. 8x	approx. 6x
42" Monitor:			
H3-Z camera zoom 1x	approx. 14x	approx. 7x	approx. 5x
H3-Z camera zoom 2x	approx. 28x	approx. 14x	approx. 10.5x
52" Monitor:			
H3-Z camera zoom 1x	approx. 17x	approx. 8x	approx. 6x
H3-Z camera zoom 2x	approx. 34x	approx. 16x	approx. 12x

Note:

A working distance of max. 30 cm is recommended in order to receive an optimal signal for fluorescence applications with VITOM® II NIR/ICG and VITOM® PDD.

VITOM® 3D

3D visualization for microsurgery and open surgery

The application possibilities of the VITOM® 3D are similar to that of the operating microscope. The surgeon can work comfortably with VITOM® 3D via a 3D monitor which allows for a free choice of working positions. The most important functions are controlled via the IMAGE1 PILOT, which is mounted on the OR table in the direct vicinity of the surgeon. The VITOM® 3D system provides many surgical disciplines with a solution for the visualization of microsurgical and open surgical interventions.

The VITOM® 3D can be used with the IMAGE1 S™ platform. The visualization and documentation of surgeries can thus be carried out with an existing endoscopy tower. This ideally supports combined work with endoscopes as in, for example, endoscopically assisted microsurgery (EAM).

Benefits at a glance:

- Ergonomic work – the user is not confined to the eyepiece
- Improved workflow – the entire OR team can view the procedure in the same image quality as the surgeon
- Flexible, diverse application possibilities – from visualization and documentation to education and training
- Beneficial for endoscopically assisted microsurgery as it is possible to combine VITOM® 3D with endoscopes
- Compact, lightweight and portable system
- Economic synergetic effects from 3D visualization for microsurgery and open surgery as well as endoscopy based on the IMAGE1 S™ platform



VITOM® 3D

Overview

Micromanipulator Adaptor



TH 004

UR 006

VITOM® 3D, with integrated illumination



TH 200

Fiber Optic Light Cable



495 VIT

Holding Arm for VITOM® 3D



VERSACRANE™ light
UR 300

ARTIP CRUISE®
UR 501 B/C

Cover, for VITOM® 3D, sterile



TH 001*

Cold Light Fountain POWER LED 300 SCB



TL 300

IMAGE1 PILOT
IMAGE1 PILOT Sterile Cover



TC 014
041150-20*

IMAGE1 S™ Camera Systems



TC 201
TC 302

Holding Arm for IMAGE1 PILOT



28272 HB
28172 HR

3D Monitors



TM 350
TM 330

3D Polarization Glasses
3D Clip-on Glasses



TM 003
9800 C

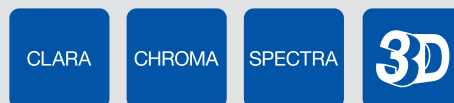
11-16z



Four further information on required products for, e.g., ARTIP CRUISE® UR 501 B/C see the MICROSCOPY online catalog at www.karlstorz.com

VITOM® 3D

3D visualization for microsurgery and open surgery



- TH 200 **VITOM® 3D**, with zoom and focus function, integrated illumination and horizontal alignment, working distance 20 – 50 cm, fiber optic light transmission incorporated, suitable for wipe disinfection, for use with IMAGE1 S D3-LINK® TC 302 and IMAGE1 PILOT TC 014
- TC 014 **IMAGE1 PILOT**, control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200

Specifications:

Frame rate	50/60 Hz
Image sensor	2-chip, 4K
Image display	3D, 2D
Scanning method	progressive scan
Zoom	infinitely variable
Working distance (WD)	20 – 50 cm
Magnification (WD 30 cm with 32" 3D monitor)	approx. 8 – 30 x
Cable length	500 cm
Cable routing	straight

Cleaning	wipe disinfection
Sterilization concept	single-use covers
Control concept	IMAGE1 PILOT for intuitive control of all relevant functions (zoom, focus, menu, navigation), 4 buttons for rapid access, 3D wheel
Camera head buttons	freely programmable
S-Technologies	CLARA, CHROM, SPECTRA
Degree of protection	in conjunction with the IMAGE1 S™ camera control unit: CF-Defib

IMAGE1 PILOT is required for the use of VITOM® 3D.

VITOM® 3D and IMAGE1 PILOT are always used with a holding system.

Please note: Special clamping jaws are available for mounting VITOM® 3D to the holding system.

VERSACRANE™ LIGHT holding system for the convenient positioning of VITOM®



UR 300

UR 300 **VERSACRANE™ LIGHT Holding Arm**, mechanical mobile holding arm, with quick release coupling KSLOCK, for short-term, non-invasive and flexible positioning of VITOM® telescopes for open, microsurgical and minimally invasive surgery, for use with KARL STORZ clamping jaws and VITOM® telescopes including:
VERSACRANE™ LIGHT Holding Arm
Mobile Stand
Mechanical Friction Brakes

WARNING: The VERSACRANE™ holding arm cannot be used with rigid endoscopes!

Clamping Jaws and Accessories for VITOM® 3D

28272 VTK **VITOM® 3D Clamping Jaw**, with ball joint and quick release coupling KSLOCK (male), for use with VITOM® 3D and KARL STORZ holding systems with quick release coupling KSLOCK

TH 001* **Cover**, for VITOM® 3D, sterile, for single use, package of 10



11-161



Note: The 550 cm long Light Cable 495 VIT is necessary for the use of VERSACRANE™ LIGHT.

VITOM® 3D

Accessories

	<p>28272 VTK VITOM® 3D Clamping Jaw, with ball joint and quick release coupling KSLOCK (male), for use with VITOM® 3D and KARL STORZ holding systems with quick release coupling KSLOCK</p>
	<p>28272 VTP VITOM® 3D Clamping Jaw, for POINT SETTER, with dovetail connector, for use with VITOM® 3D and POINT SETTER holding system</p>
	<p>495 VIT Fiber Optic Light Cable, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 550 cm</p>
	<p>TH 001* Cover, for VITOM® 3D, sterile, for single use, package of 10</p> <div style="text-align: right;"> <p>STERILE </p> </div>
	<p>TH 002 VITOM® 3D Illuminator, additional lighting for VITOM® 3D, with 1 adjustable lens, autoclavable, for use with VITOM® 3D and light cable</p>
	<p>TH 003 Protective Cover, high-grade protective cover, padded imitation leather, for protecting the VITOM® 3D during storage and transport, for use with VITOM® 3D and holding arm</p>
	<p>39502 ZH Wire Tray, stackable, with hole plates 39502 LH Lid 39100 SH Silicone Grid Insert 39100 PS Fixation Pin, package of 12 39360 AS Silicone Tie-Downs, package of 12</p>









Please note: The instruments displayed are not included in the sterilization and storage tray.

IMAGE1 PILOT with holding system for fixation to the operating table

	<p>TC 014</p>	<p>IMAGE1 PILOT, control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200</p>
	<p>28172 HR</p>	<p>Rotation Socket, to clamp to the operating table, with one mounted Butterfly Nut 28172 HRS, for European and US standard rails, with lateral clamp for height and angle adjustment of the articulated stand</p>
	<p>28272 HB</p>	<p>Articulated Stand, reinforced version, L-shaped, with one mechanical central clamp for all five joint functions, height 48 cm, operating range 52 cm, with quick release coupling KSLOCK (female)</p>
	<p>041150-20*</p>	<p>Cover, with elasticated tip, 42 x 177 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems and IMAGE1 PILOT</p>

Monitor

	<p>TM 350</p>	<p>32" 4K/3D Monitor, screen resolution 3840 x 2160, image format 16:9</p>
	<p>TM 330</p>	<p>32" 3D Monitor, screen resolution 1920 x 1080, image format 16:9</p>
	<p>9832 SFH</p>	<p>Monitor Stand, for professional use, height-adjustable, tiltable, rotation +/-30°, disinfectable, color white, with VESA 200 adaptor, for use with 32" monitors up to 15 kg</p>
	<p>9826 SF</p>	<p>Monitor Stand, basic monitor stand, tiltable, rotation +/-30°, disinfectable, color white, with VESA 100 adaptor, for use with all monitors with VESA 100 adaptors up to 12 kg</p>
	<p>TM 003</p>	<p>3D Polarization Glasses, fogless, passive, for use with 3D monitors</p>
	<p>9800 C</p>	<p>3D Clip-on Glasses, circularly polarized, for use with 3D monitors</p>

**COMPONENTS /
SPARE PARTS**



Introduction

Hotline





Queries concerning products, exchange, maintenance and cleaning can be addressed to the KARL STORZ Technical & Aftersales Services Hotline from Monday to Thursday from 7-18 h and Friday 7-17 h (CET):

Tel: +49 7461/708 980

Fax: +49 7461/708 75 500

E-Mail: technicalsupport@karlstorz.com

Example:

Components / Spare Parts		Catalog page
310060	Headlight KS60	3
310063	Headlight KS60 , with double lens system, with removable and sterilizable Focus Handle 310065	
310070	Headband , fully adjustable, with Forehead Cushion 078511, with cross band, including holder for Headlight 310063	
495 NY	Y-Fiber Optic Light Cable , with special protective casing for Headlight 310063, with straight plug, diameter 2x 2.5 mm, length 290 cm	
078681	Clip with Band , for attaching the fiber optic light cable to OR clothing	
078513	Neoprene Cushion , for headband, with push-button lock, 3-part	
		
Components / Spare Parts		Catalog page
310070	Headband , for 310060	3
		
Spare Parts		
	<p>078513 Neoprene Cushion, with push-button lock</p>	
		<p>310073 Protection Clip, for cold light cable, for fixing the light cable to the headband, package of 2</p>

Components/spare parts with corresponding order number of the instrument and reference to catalog page

Headlights

Headlights KS70

Components / Spare Parts

Catalog page

094220	LED Headlight KS70	2
094203	LED Headlight KS70 , with LED technology and fluid lens for focusing, with white light	
094207	Control Unit	
094208	Battery Box	
094224	Battery Pack	
094229	Charger USB , power supply 90 – 264 VAC, 50/60 Hz, connecting cable length 180 cm, with Micro-B USB connector, including 5 adaptors	
11301 DL	Charging Unit , for Headlight KS70, for charging two battery packs, with fix integrated power supply and adaptor for EU, UK, USA and AUS, power supply 90 – 264 VAC, 50/60 Hz	
078770	Headband , adjustable with cross band, including holder for LED Headlights KS70 094203 and 094204 and for fixation of Control Unit 094207 and Battery Box 094208	
078513	Neoprene Cushion , for headband, with push-button lock, 3-part	
094230	LED Headlight KS70	
094204	LED Headlight KS70 , with LED technology and fluid lens for focusing, with yellowish light	
094207	Control Unit	
094208	Battery Box	
094224	Battery Pack	
094229	Charger USB , power supply 90 – 264 VAC, 50/60 Hz, connecting cable length 180 cm, with Micro-B USB connector, including 5 adaptors	
11301 DL	Charging Unit , for Headlight KS70, for charging two battery packs, with fix integrated power supply and adaptor for EU, UK, USA and AUS, power supply 90 – 264 VAC, 50/60 Hz	
078770	Headband , adjustable with cross band, including holder for LED Headlights KS70 094203 and 094204 and for fixation of Control Unit 094207 and Battery Box 094208	
078513	Neoprene Cushion , for headband, with push-button lock, 3-part	



Headlights

Headlights KS70

Components / Spare Parts

Catalog page

- 094203** **Headlight KS70, white light**
- 094204** **Headlight KS70, yellowish light**

—



Components / Spare Parts

Catalog page

- 078770** **Headband, for 094203 and 094204**

2

Spare Parts



078513
**Neoprene Cushion, with
push-button lock**

ET27-30-0005026
Countersinking Screw

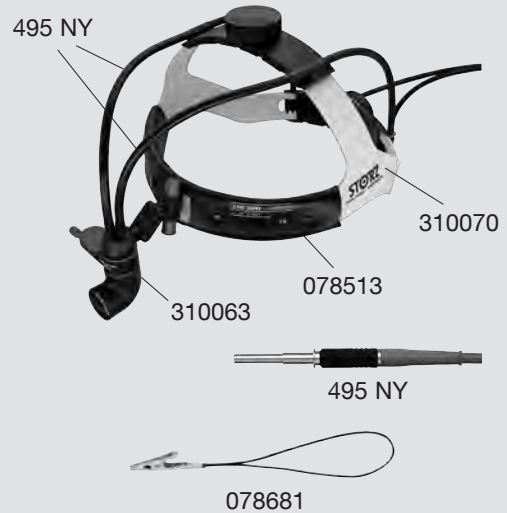
Headlights

Headlight KS60

Components / Spare Parts

Catalog page

- 310060 Headlight KS60** 3
- 310063 **Headlight KS60**, with double lens system, with removable and sterilizable Focus Handle 310065
- 310070 **Headband**, fully adjustable, with Forehead Cushion 078511, with cross band, including holder for Headlight 310063
- 495 NY **Y-Fiber Optic Light Cable**, with special protective casing for Headlight 310063, with straight plug, diameter 2x 2.5 mm, length 290 cm
- 078681 **Clip with Band**, for attaching the fiber optic light cable to OR clothing
- 078513 **Neoprene Cushion**, for headband, with push-button lock, 3-part



Components / Spare Parts

Catalog page

- 310070 Headband**, for 310060 3



Spare Parts



078513
Neoprene Cushion, with push-button lock



310073
Protection Clip, for cold light cable, for fixing the light cable to the headband, package of 2

Components / Spare Parts

Catalog page

- 310063 Headlight KS60**, for 310060 -



Spare Part



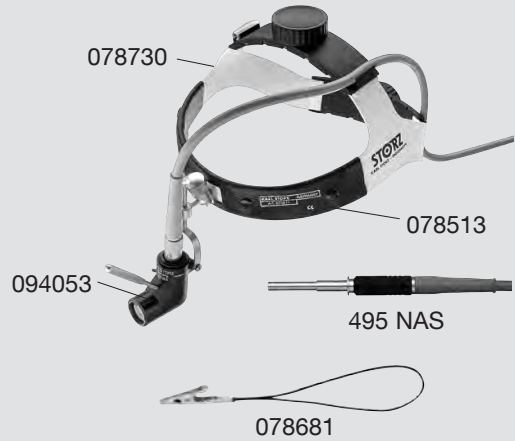
310065
Handle, with focusing screw, sterilizable

Headlights

Components / Spare Parts

Catalog page

- 094051** **Headlight** 4
- 094053 **Headlight**, with U-shaped suspension and ball joint
- 078730 **Headband**, fully adjustable, with Forehead Cushion 078511, with cross band, including ball joint holder for Headlights 094051, 095501
- 495 NAS **Fiber Optic Light Cable**, straight plug, diameter 3.5 mm, length 230 cm
- 078681 **Clip with Band**, for attaching the fiber optic light cable to OR clothing
- 078513 **Neoprene Cushion**, for headband, with push-button lock, 3-part



Components / Spare Parts

Catalog page

- 078730** **Headband**, for 094051 4



Spare Parts

 <p>078502 Screw Cap</p>	 <p>078511 Forehead Cushion, with push-button lock</p>
 <p>078503 Brake Cylinder, 3-part, for ball joint</p>	 <p>310073 Protection Clip, for cold light cable, for fixing the light cable to the headband, package of 2</p>




Components / Spare Parts

Catalog page

- 094053** **Headlight**, for 094051 —



Spare Parts

 <p>084508 Suspension, with cross connection, for 084500 – 084503</p>	 <p>094005 Handle, sterilizable, with sleeve</p>
 <p>5915702 Thread Pin, for lamp head</p>	

Headlights

Headlights "CLAR 73"

Components / Spare Parts

Catalog page

- 095501 **Headlight "CLAR 73"**, with straight plug
- 095502 **Headlight "CLAR 73"**, with integral fiber optic light cable, diameter 3.5 mm, with straight plug to the light source, without headband
- 078730 **Headband**, fully adjustable, with Forehead Cushion 078511, with cross band, including ball joint holder for Headlight 095501
- 078681 **Clip with Band**, for attaching fiber optic light cable to OR clothing,
- 078513 **Neoprene Cushion**, for headband, with push-button lock, 3-part



7

Components / Spare Parts

Catalog page

- 078730 **Headband**, for 095501



7

Spare Parts



078502
Screw Cap



078513
Neoprene Cushion, with push-button lock



078503
Brake Cylinder, 3-part, for ball joint



310073
Protection Clip, for cold light cable, for fixing the light cable to the headband, package of 2

Headlights

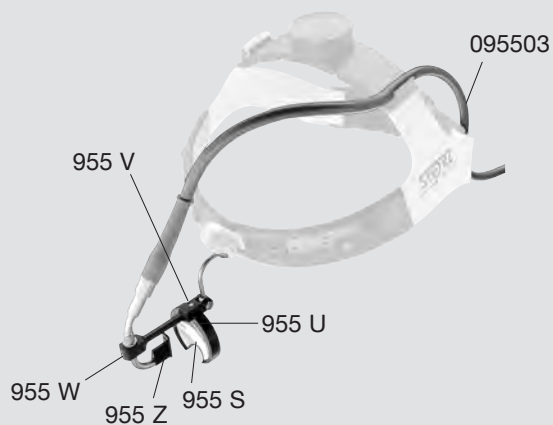
Headlights "CLAR 73"

Components / Spare Parts

Catalog page

095502 Headlight "CLAR 73", with straight plug

—



Spare Parts



955 S
Mirror



955 U
Metal Holder,
for mirror



955 V
Fixation Screw,
for metal holder (mirror)



955 W
Fixation Screw,
for fiber optic light cable



955 Z
Fixation Screw, set of 2



095503
Integral Fiber Optic Light
Cable, with straight plug

Headlights

Components / Spare Parts

Catalog page

- 310010** **Headlight**, with straight plug
- 310011 **Headlight**, with integral fiber optic light cable and straight plug to the light source
- 310075 **Headband**, extra light, fully adjustable, with Forehead Cushion 078511, without cross band, including clamp mounting for Headlight 310010
- 078681 **Clip with Band**, for attaching fiber optic light cable to OR clothing
- 078512 **Neoprene Cushion**, for headband, with push-button lock, 2-part



5

Components / Spare Parts

Catalog page

- 310075** **Headband**, for 310010

5



Spare Part



- 078512 **Neoprene Forehead Cushion**, for headband, with push-button lock, 2-part

Headlights

Components / Spare Parts

Catalog page

- 310020 **Headlight**, with straight plug
- 310011 **Headlight**, with integral fiber optic light cable and straight plug to the light source
- 310076 **Headband**, fully adjustable, with Forehead Cushion 078511, with cross band, including clamp mounting for Headlight 310020
- 078681 **Clip with Band**, for attaching fiber optic light cable to OR clothing
- 078513 **Neoprene Cushion**, for headband, with push-button lock, 3-part



5

Components / Spare Parts

Catalog page

- 310076 **Headband**, for 310020



5

Spare Parts



078513
Neoprene Cushion,
with push-button lock



310073
Protection Clip, for cold
light cable, for fixing the
light cable to the
headband, package of 2

Headlights

Components / Spare Parts

Catalog page

- 094301** **Headlight**, with straight plug
- 094302 **Headlight**, lightweight model, with thin integral fiber optic light cable, diameter 2.5 mm, with straight plug to the light source, without headband
- 078740 **Headband**, extra light, fully adjustable, with Forehead Cushion 078511, without cross band, including clamp mounting for Headlight 094301
- 078681 **Clip with Band**, for attaching fiber optic light cable to OR clothing
- 078681 **Neoprene Forehead Cushion**, for headband, with push-button lock, 2-part



6

Components / Spare Parts

Catalog page

- 078740** **Headband**, for 094301

6



Spare Part



078512
Neoprene Forehead Cushion, for headband, with push-button lock, 2-part

Headlights

Headmirrors, Headband

Components / Spare Parts

Catalog page

- 077090** ZIEGLER **Headmirror**
- 076091 **Headmirror**, diameter 90 mm
- 077095 **Headband**, wide

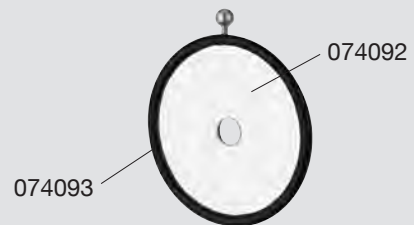


8

Components / Spare Parts

Catalog page

- 076091** ZIEGLER **Headmirror**, diameter 90 mm



8

Spare Parts



074092
Mirror Glass,
diameter 90 mm



074093
Rubber Ring,
diameter 90 mm

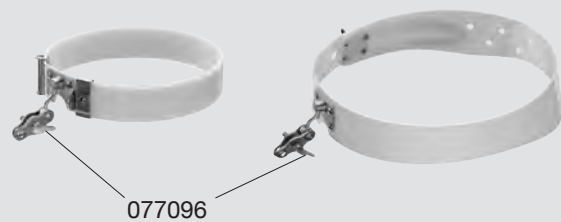


074094
Back Wall,
diameter 90 mm

Components / Spare Parts

Catalog page

- 077095** ZIEGLER **Headband**, wide, for 077090



8

Spare Part



077096
Double Joint

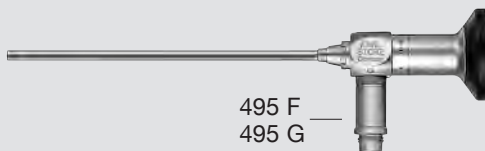
Otoscopes

HOPKINS® Telescopes, Tele-Otoscopes

Components / Spare Parts

Catalog page

1232 AA	HOPKINS® Straight Forward Telescope 0°	11
1232 BA	HOPKINS® Forward-Oblique Telescope 30°	11



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable

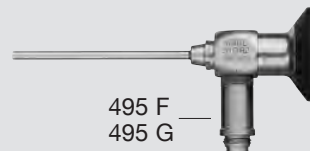


495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

1218 AA	Tele-Otoscope, with HOPKINS® straight forward telescope 0°	13
1218 BA	Tele-Otoscope, with HOPKINS® forward-oblique telescope 30°	13
1215 AA	Tele-Otoscope, with HOPKINS® straight forward telescope 0°	13



Spare Parts

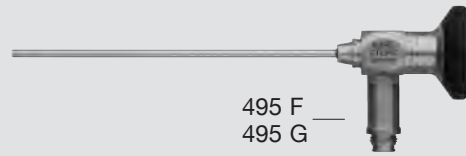


495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts		Catalog page
1230 AA	HOPKINS® Straight Forward Telescope 0°	12
1230 BA	HOPKINS® Forward-Oblique Telescope 30°	12



Spare Parts

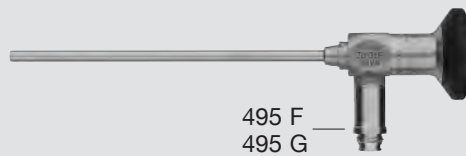


495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts		Catalog page
1216 AA	HOPKINS® Straight Forward Telescope 0°	320



Spare Parts



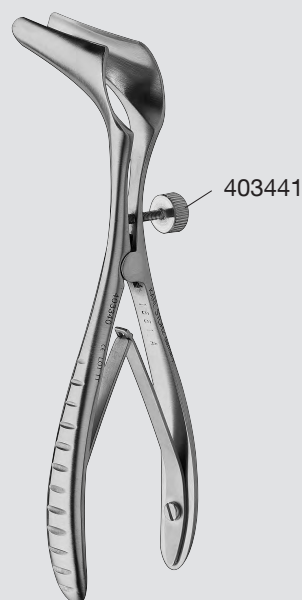
495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Nasal Specula

Components / Spare Parts		Catalog page
403340	KILLIAN-STRUYCKEN Nasal Speculum	93
403355	KILLIAN-STRUYCKEN Nasal Speculum	93
403375	KILLIAN-STRUYCKEN Nasal Speculum	93
403390	KILLIAN-STRUYCKEN Nasal Speculum	93
403440	KILLIAN-STRUYCKEN Nasal Speculum	—
403455	KILLIAN-STRUYCKEN Nasal Speculum	—
403475	KILLIAN-STRUYCKEN Nasal Speculum	—
403490	KILLIAN-STRUYCKEN Nasal Speculum	—
403855	COTTLE Nasal Speculum	94
403865	COTTLE Nasal Speculum	—
403875	COTTLE Nasal Speculum	94
403890	COTTLE Nasal Speculum	—
403975	COTTLE Nasal Speculum	—
404443	RUDERT Nasal Speculum	—
404453	RUDERT Nasal Speculum	—
404455	RUDERT Nasal Speculum	95
404465	RUDERT Nasal Speculum	95
404475	RUDERT Nasal Speculum	95
404490	RUDERT Nasal Speculum	—
404543	RUDERT Nasal Speculum	—
404553	RUDERT Nasal Speculum	—
404555	RUDERT Nasal Speculum	95
404565	RUDERT Nasal Speculum	95
404575	RUDERT Nasal Speculum	95
404590	RUDERT Nasal Speculum	—



Spare Parts



403441
Set Screw

Nasal Specula, Septum Morcelizers

Components / Spare Parts

Catalog page

404040	Nasal Speculum	-
404055	Nasal Speculum	94, 250
404075	Nasal Speculum	-
404090	Nasal Speculum	-

Spare Parts



404037
Fiber Optic Light Carrier



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

6962090
Knurled Screw



Components / Spare Parts

Catalog page

469600	RUBIN Septum Morcelizer	112
488038	RUBIN Septum Morcelizer	147

Spare Part



469602
Protective Cap, for
RUBIN Septum Morcelizer
469600 and 488038



469600



488038

Sinoscopes

ENDOCAMELEON® ENT HOPKINS® Telescope, HOPKINS® Telescopes

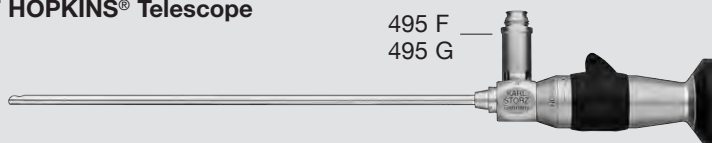
Components / Spare Parts

Catalog page

7230 AE **ENDOCAMELEON® ENT HOPKINS® Telescope**

495 F
495 G

160



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

7230 AP **HOPKINS® Straight Forward Telescope 0°, enlarged view**

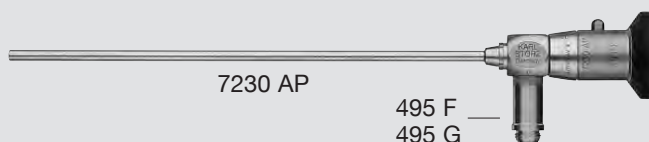
162

7230 BP **HOPKINS® Forward-Oblique Telescope 30°, enlarged view**

162

7230 FP **HOPKINS® Forward-Oblique Telescope 45°, enlarged view**

162



7230 AP

495 F
495 G

Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable

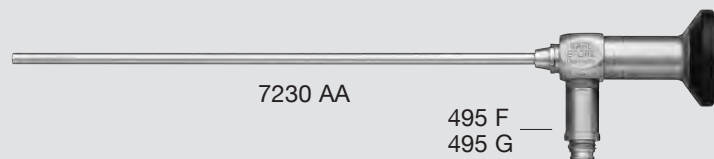


495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Sinoscopes

HOPKINS® Telescopes

Components / Spare Parts		Catalog page
7230 AA	HOPKINS® Straight Forward Telescope 0°, enlarged view	161, 246
7230 AWA	HOPKINS® Wide Angle Straight Forward Telescope 0°, enlarged view	163
7230 BA	HOPKINS® Forward-Oblique Telescope 30°, enlarged view	161, 246
7230 BWA	HOPKINS® Wide Angle Forward-Oblique Telescope 30°, enlarged view	163
7230 CA	HOPKINS® Lateral Telescope 70°, enlarged view	161
7230 CWA	HOPKINS® Wide Angle Lateral Telescope 70°, enlarged view	163
7230 DA	HOPKINS® Lateral Telescope 90°, enlarged view	161
7230 EA	HOPKINS® Retrograde Telescope 120°, enlarged view	161
7230 FA	HOPKINS® Forward-Oblique Telescope 45°, enlarged view	161
7230 FWA	HOPKINS® Wide Angle Forward-Oblique Telescope 45°, enlarged view	163



Spare Parts

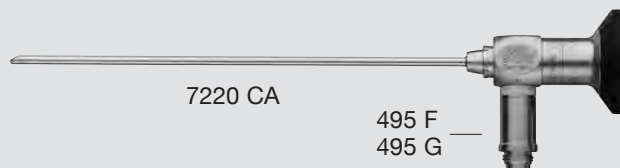


495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts		Catalog page
7230 FLA	HOPKINS® Forward-Oblique Telescope 45°, enlarged view	164
7230 BVA	HOPKINS® Forward-Oblique Telescope 30°, enlarged view	164
7230 FVA	HOPKINS® Forward-Oblique Telescope 45°, enlarged view	164
7230 CVA	HOPKINS® Lateral Telescope 70°, enlarged view	164
7220 AA	HOPKINS® Straight Forward Telescope 0°, enlarged view	74, 165
7220 BA	HOPKINS® Forward-Oblique Telescope 30°, enlarged view	74, 165
7220 CA	HOPKINS® Lateral Telescope 70°, enlarged view	74, 165
7220 FA	HOPKINS® Forward-Oblique Telescope 45°, enlarged view	74, 165
7229 AA	HOPKINS® Straight Forward Telescope 0°, enlarged view	75, 166
7229 BA	HOPKINS® Forward-Oblique Telescope 30°, enlarged view	75, 166
7229 FA	HOPKINS® Forward-Oblique Telescope 45°, enlarged view	75, 166
7229 CA	HOPKINS® Lateral Telescope 70°, enlarged view	75, 166
7207 AA	HOPKINS® Straight Forward Telescope 0°	167
7207 BA	HOPKINS® Forward-Oblique Telescope 30°	167
7209 BA	HOPKINS® Forward-Oblique Telescope 30°	167



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Suction and Irrigation Tubes

Suction Tubes

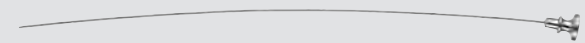
Components / Spare Parts

Catalog page

204405	PLESTER Suction Tube	49
204407	PLESTER Suction Tube	49
204409	PLESTER Suction Tube	49



Spare Parts



zu 204405	204405 E Stylet
zu 204407	204407 E Stylet
zu 204409	204409 E Stylet

Suction and Irrigation Tubes

Suction Tubes, Suction Elevator, Suction Raspatory

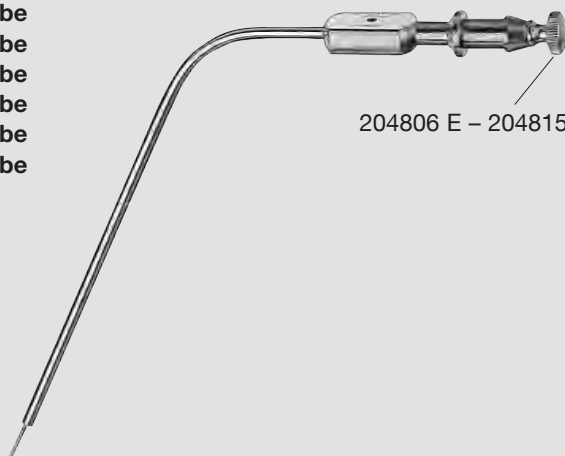
Components / Spare Parts

Catalog page

- 204806 FERGUSON Suction Tube
- 204808 FERGUSON Suction Tube
- 204809 FERGUSON Suction Tube
- 204810 FERGUSON Suction Tube
- 204812 FERGUSON Suction Tube
- 204815 FERGUSON Suction Tube

204806 E – 204815 E

- 49
- 49
- 49
- 49, 189
- 49, 189
- 49, 189



Spare Parts

for 204806

204806 E
Stylet

for 204810

204810 E
Stylet

for 204808

204808 E
Stylet

for 204812

204812 E
Stylet

for 204809

204809 E
Stylet

for 204815

204815 E
Stylet

Components / Spare Parts

Catalog page

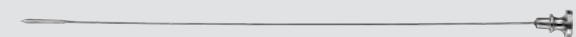
- 474001 FREER Suction Elevator

113, 194



474001 E

Spare Part



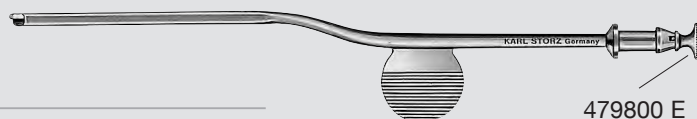
474001 E
Stylet

Components / Spare Parts

Catalog page

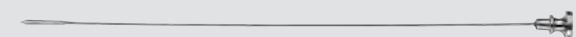
- 479800 Suction Raspatory

116



479800 E

Spare Part



479800 E
Stylet

Suction and Irrigation Tubes

Suction Tubes

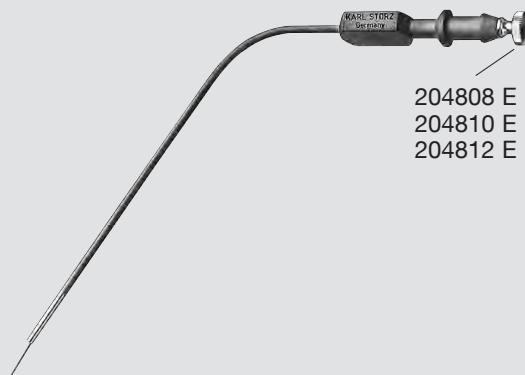
Components / Spare Parts

Catalog page

488084	FERGUSON Suction Tube	150
488085	FERGUSON Suction Tube	150
488086	FERGUSON Suction Tube	150

Spare Parts

for 488084	204808 E Stylet
for 488085	204810 E Stylet
for 488086	204812 E Stylet



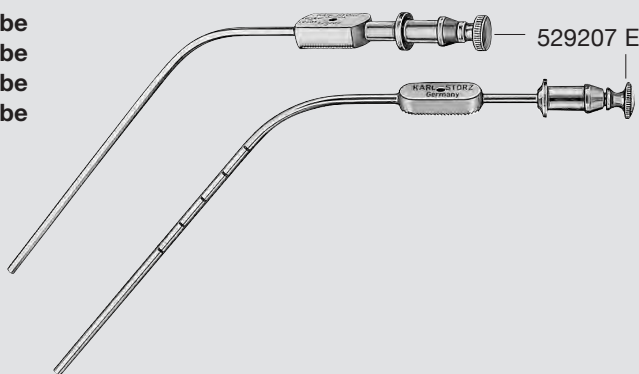
Components / Spare Parts

Catalog page

529205	FRAZIER Suction Tube	138
529207	FRAZIER Suction Tube	138
529305	FRAZIER Suction Tube	189
529307	FRAZIER Suction Tube	189, 249

Spare Part

529207 E
Stylet



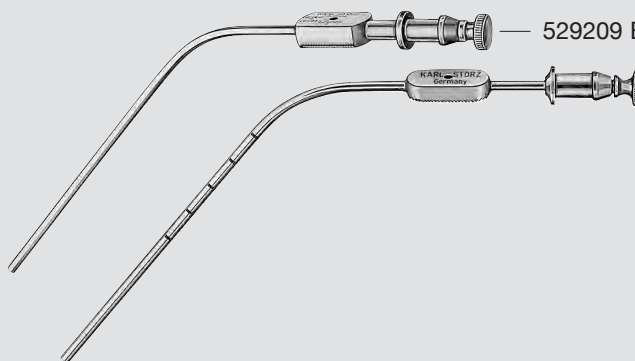
Components / Spare Parts

Catalog page

529209	FRAZIER Suction Tube	138
529309	FRAZIER Suction Tube	189

Spare Part

529209 E
Stylet



Suction and Irrigation Tubes

Suction Tubes

Components / Spare Parts Catalog page

649182	FERGUSON Suction Tube		189
649183	FERGUSON Suction Tube		189
649184	FERGUSON Suction Tube		189
649185	FERGUSON Suction Tube		189

Spare Parts



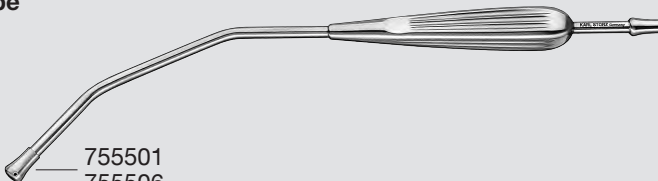
for 649182 **649182 E Stylet**

for 649184 **649184 E Stylet**

for 649183 **649183 E Stylet**

for 649185 **649185 E Stylet**

Components / Spare Parts Catalog page

755500	YANKAUER Suction Tube		291
755505	YANKAUER Suction Tube		291

Spare Parts

Spare part for 755500



755501 Suction Knob, drill hole diameter 4 mm

Spare part for 755505



755506 Suction Knob, drill hole diameter 2 mm

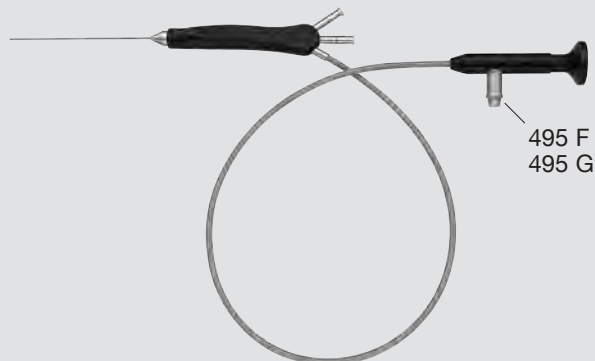
Sialendoscopes

Miniature Straight Forward Telescopes

Components / Spare Parts

Catalog page

11572 A	Miniature Straight Forward Telescope 0°	254
11573 A	Miniature Straight Forward Telescope 0°	254
11574 A	Miniature Straight Forward Telescope 0°	254



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable

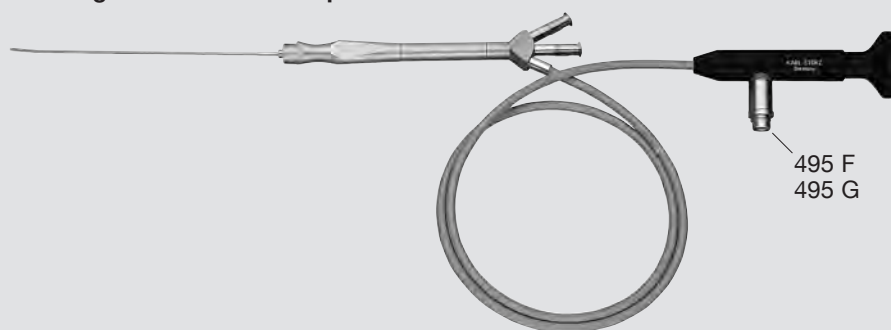


495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

11575 A	Miniature Straight Forward Telescope 0°	255
11581 A	Miniature Straight Forward Telescope 0°	255
11582 A	Miniature Straight Forward Telescope 0°	255
11583 A	Miniature Straight Forward Telescope 0°	255



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Sialendoscopes

Miniature Straight Forward Telescopes

Components / Spare Parts

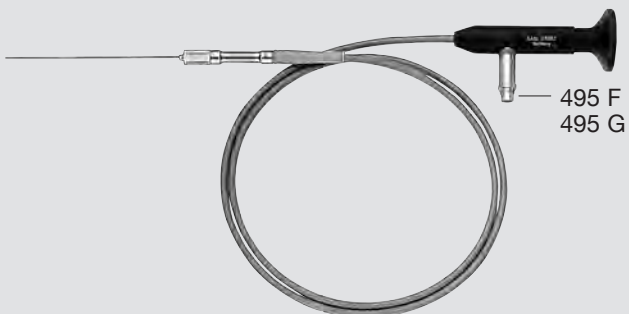
Catalog page

11576 A **Miniature Straight Forward Telescope 0°**

256

11577 A **Miniature Straight Forward Telescope 0°**

258



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

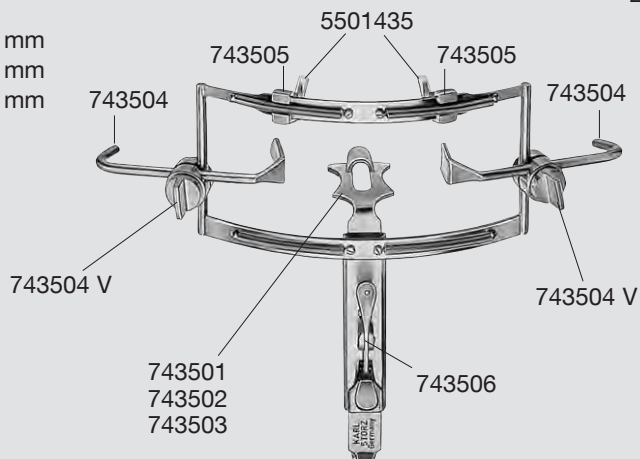
Tongue Depressors and Tongue Blades

Components / Spare Parts

Catalog page

- 743500** DINGMANN Mouth Gag
- 743501 **Tongue Depressor**, size 1, 55 x 25 mm
- 743502 **Tongue Depressor**, size 2, 60 x 27 mm
- 743503 **Tongue Depressor**, size 3, 70 x 30 mm
- 743504 **Cheek Retractor**, adjustable
- 743504 V **Screw Connection, complete**
- 743505 **Tooth Hook**, movable
- 743506 **Mouth Gag**

273



Spare Part



5501435
Silicone Tube

Components / Spare Parts

Catalog page

- 743910** DAVIS-MEYER Tongue Blade
- 743915** DAVIS-MEYER Tongue Blade
- 743920** DAVIS-MEYER Tongue Blade
- 743925** DAVIS-MEYER Tongue Blade
- 743930** DAVIS-MEYER Tongue Blade
- 743935** DAVIS-MEYER Tongue Blade
- 743940** DAVIS-MEYER Tongue Blade

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7362691

Spare Part



7362691
Y-Tube Connector, for
blade, length 190 mm

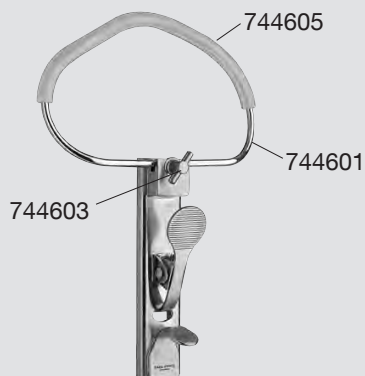
Mouth Gags

Components / Spare Parts

Catalog page

744600 McIVOR Mouth Gag

280



Spare Parts



744601
Frame



744603
Screw, for fixation
of frame



744602
Silicone Tube,
diameter 5.5 mm,
length 1 m



744605
Silicone Protection,
package of 10

Components / Spare Parts

Catalog page

744500 DAVIS-MEYER Mouth Gag

279

744510 DAVIS-MEYER Mouth Gag

279



Spare Parts



5501135
Rubber Cap,
length 1 m



744501
Tooth Hook,
movable

Flexible Endoscopes

Rhino-Pharyngo-Laryngo-Fiberscopes, Adaptor for Two-Way Stopcock

Components / Spare Parts

Catalog page

11001 RD1	Rhino-Laryngo-Fiberscope, 3.7 x 340 mm	181, 409
11101 RP2	Rhino-Pharyngo-Laryngo-Fiberscope, 3.5 x 300 mm	181, 409
11101 SK2	Rhino-Laryngo-Fiberscope, 2.5 x 270 mm	181, 409
11101 SP2	Rhino-Laryngo-Tracheo-Fiberscope, 2.5 x 370 mm	181, 409



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable

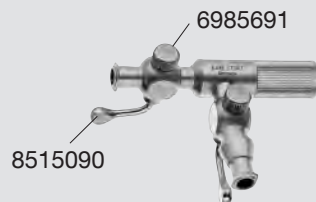


495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

6927691	Adaptor for Two-Way Stopcock, for 11001 RD1	—
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Spare Parts



8515090
Stopcock



6985691
Spring Cap

Flexible Endoscopes

Broncho-Fiberscopes, TELE PACK+

Components / Spare Parts

Catalog page

11004 BC1	Broncho-Fiberscope
11009 BC1	Broncho-Fiberscope
11001 BN1	Broncho-Fiberscope
11002 BD1	Broncho-Fiberscope
11003 BC3	Broncho-Fiberscope

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516
516
516
516



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

TP 101	TELE PACK+
TC 001	Videoendoscope Adaptor 0°
TC 013	Videoendoscope Adaptor 90°
TC 009	USB Adaptor, for ACC 1 and ACC 2
TP 002	Camera Head Holder, Irrigation Bottle Holder
20221070	ACC Connecting Cable, length 180 cm
400 F	Mains Cord, length 300 cm
20040086	DVI-D Connecting Cable, length 200 cm
20040089	DVI-D Connecting Cable, length 300 cm
TC 010	Two-Pedal Footswitch
20040241XX	USB Silicone Keyboard, USB plug, with touchpad
20040282	USB Flash Drive, 32 GB
549 M	USB Color Printer
W21341	Headset



175, 403

Laryngoscopes

Tele-Laryngoscopes, HOPKINS® Telescopes

Components / Spare Parts		Catalog page
8700 DKA	Tele-Laryngo-Pharyngoscope , with integrated HOPKINS® lateral telescope 90°	388
8707 DA	Tele-Laryngo-Pharyngoscope , with integrated HOPKINS® lateral telescope 90°	388
8707 DP	Tele-Laryngo-Pharyngoscope , with integrated HOPKINS® lateral telescope 90°	399
8700 CKA	BENJAMIN Tele-Laryngoscope , with integrated HOPKINS® lateral telescope 70°	389
8705 CKA	BENJAMIN Slimline Tele-Laryngoscope , with integrated HOPKINS® lateral telescope 70°	389
8706 CA	Strobo-Laryngoscope , with integrated HOPKINS® lateral telescope 70°	389



Spare Parts

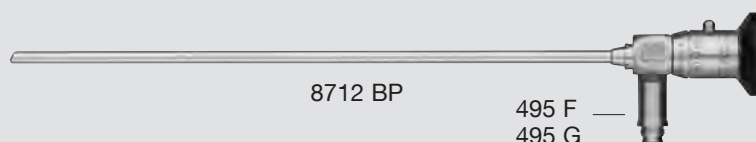


495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts		Catalog page
8712 AP	HOPKINS® Straight Forward Telescope 0° , enlarged view	399
8712 BP	HOPKINS® Forward-Oblique Telescope 30° , enlarged view	399
8712 CP	HOPKINS® Lateral Telescope 70° , enlarged view	399
8710 AGA	HOPKINS® Straight Forward Telescope 0°	400
8711 AGA	HOPKINS® Straight Forward Telescope 0° , enlarged view	400
8575 AV	HOPKINS® Straight Forward Telescope 15°	424, 437
10005 AA	HOPKINS® Straight Forward Telescope 0° , enlarged view	486, 507, 520, 527
10005 BA	HOPKINS® Forward-Oblique Telescope 30° , enlarged view	486, 520, 527



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

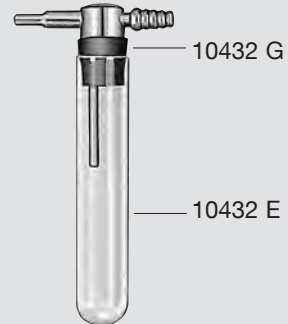
Aspirators

Components / Spare Parts

Catalog page

10432 N Aspirator
10432 T Aspirator

541
541



Spare Parts



**10432 G
Rubber Seal**



**10432 E
Spare Glass**

Bronchoscopes for Adults

Universal Bronchoscopes for Adults

Components / Spare Parts

Catalog page

- 10318 BK **Universal Bronchoscope**
- 10318 CK **Universal Bronchoscope**
- 10318 DK **Universal Bronchoscope**

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518
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Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Components / Spare Parts

Catalog page

- 10315 P **FLUVOG Adaptor**

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Spare Part



6127490-10
Sealing Cap, 50/3.6,
package of 10

Components / Spare Parts

Catalog page

- 10315 N **Sealing Cap**, with rubber seal

518



Spare Part



6127590-10
Sealing Cap, (50/4),
package of 10

Components / Spare Parts

Catalog page

- 10318 S **Instrument Guide**

484, 518-519, 521



Spare Part



27550 C
Sealing Cap, drill hole
diameter 1.2 mm

Bronchoscopes for Adults

Components / Spare Parts

Catalog page

10101 FA Prismatic Light Deflector

441, 443, 484, 486, 491, 493,
519-521, 526, 529



Spare Part



3430890
Knurled Cap

Components / Spare Parts

Catalog page

10314 P FLUVOG Adaptor

484, 486, 519-521



Spare Part



6127490-10
Sealing Cap, 50/3.6,
package of 10

Components / Spare Parts

Catalog page

10314 BN Sealing Cap, with rubber seal

484, 519, 521



Spare Part



6127590-10
Sealing Cap, (50/4),
package of 10

Bronchoscopes for Adults

Components / Spare Parts

Catalog page

10101 HA Prismatic Light Deflector

519, 521, 526, 529



Spare Part



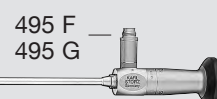
**3430890
Knurled Cap**

Components / Spare Parts

Catalog page

10320 AA HOPKINS® Straight Forward Telescope 0°
10320 BA HOPKINS® Forward-Oblique Telescope 30°
10320 DA HOPKINS® Lateral Telescope 90°
10328 AA HOPKINS® Straight Forward Telescope 0°
10017 AA HOPKINS® Straight Forward Telescope 0°
10018 AA HOPKINS® Straight Forward Telescope 0°
10023 ABA HOPKINS® Straight Forward Telescope 0°

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522
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528-529
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527



Spare Parts



**495 F
Receptacle,**
diameter 9 mm, for
Wolf fiber optic light cable



**495 G
Screw Base,** for
KARL STORZ fiber optic
light cables and Olympus
Corporation

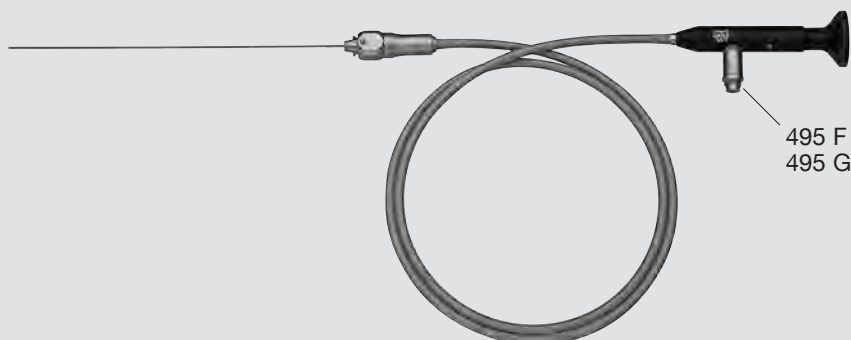
Miniature Straight Forward Telescope, Optical Intubation Tracheoscope

Components / Spare Parts

Catalog page

10040 AA **Miniature Straight Forward Telescope 0°**

530



Spare Parts



495 F
Receptacle, diameter 9 mm, for Wolf fiber optic light cable



495 G
Screw Base, for KARL STORZ fiber optic light cables and Olympus Corporation

Components / Spare Parts

Catalog page

10338 S **Instrument Guide**

526, 529-530



Spare Part



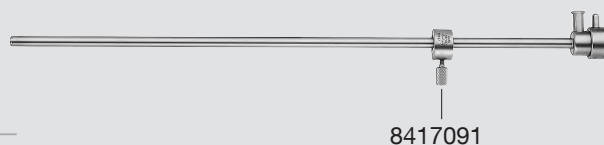
27550 C-10
Sealing Cap, drill hole diameter 1.2 mm, package of 10

Components / Spare Parts

Catalog page

10337 T **Optical Intubation Tracheoscope, GRONINGEN model**

486, 520



Spare Part

8417091
Rider, with locking screw

Components / Spare Parts

Catalog page

10338 P FLUVOG Adaptor

526



Spare Part



6127390-10
Sealing Cap, (50/2.6),
package of 10

Components / Spare Parts

Catalog page

10338 N Sealing Cap, with rubber seal

493, 526



Spare Part



6127390-10
Sealing Cap, (50/2.6),
package of 10

Components / Spare Parts

Catalog page

10338 S Instrument Guide

526, 529-530



Spare Part



27550 C-10
Sealing Cap, drill hole
diameter 1.2 mm,
package of 10

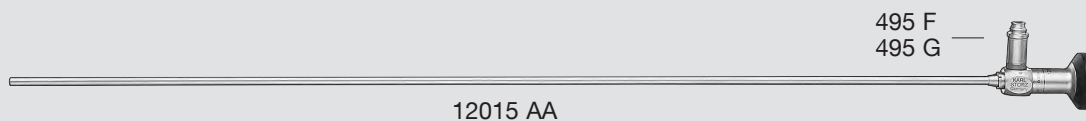
Esophagoscopes

HOPKINS® Telescopes and Miniature Straight Forward Telescope

Components / Spare Parts

Catalog page

12015 AA	HOPKINS® Straight Forward Telescope 0°	492
10324 AA	HOPKINS® Straight Forward Telescope 0°	494, 527
10020 ATA	HOPKINS® Straight Forward Telescope 0°	495, 527
10030 AA	Miniature Straight Forward Telescope 0°	496, 534



Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

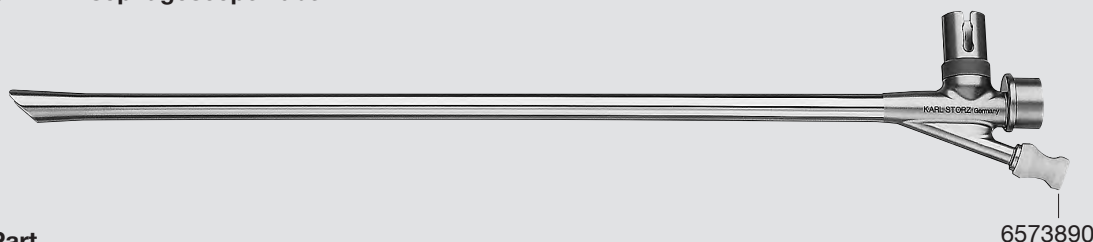
Esophagoscopes

Esophagoscope Tubes, Handle

Components / Spare Parts

Catalog page

12030 A	Esophagoscope Tube	493
12030 AL	Esophagoscope Tube	493
12030 B	Esophagoscope Tube	493
12030 C	Esophagoscope Tube	493
12030 F	Esophagoscope Tube	493
12030 G	Esophagoscope Tube	493



Spare Part



6573890-10
Sealing Cap, drill hole
diameter 1.2 mm,
package of 10

Components / Spare Parts

Catalog page

10101 FA	Prismatic Light Deflector	441, 443, 484, 486, 491, 493, 519-521, 526, 529
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Spare Part



3430890
Knurled Cap

Components / Spare Parts

Catalog page

12070	Handle, for esophagoscopes	491
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Spare Part



6988190
Knurled Screw

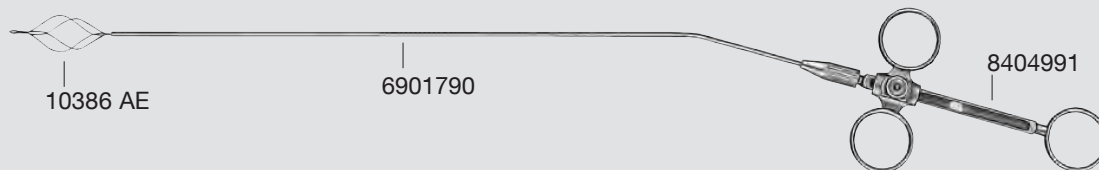
Foreign Body Baskets

Components / Spare Parts

Catalog page

10386 A Foreign Body Basket

503, 542



Spare Parts



10386 AE
Foreign Body Basket,
without handle,
length 55 cm



6901790
Guide Tube



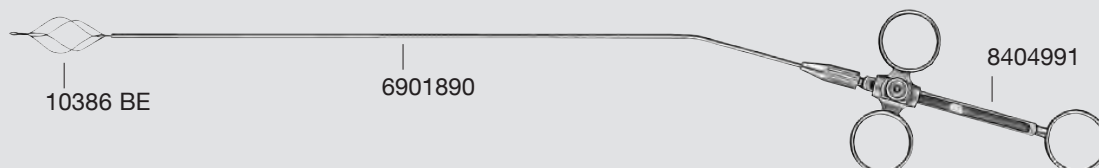
8404991
Handle

Components / Spare Parts

Catalog page

10386 B Foreign Body Basket

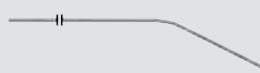
503, 542



Spare Parts



10386 BE
Foreign Body Basket,
without handle,
length 35 cm



6901890
Guide Tube



8404991
Handle

FREITAG Stent Forceps

Components / Spare Parts

Catalog page

10510 N FREITAG Stent Forceps

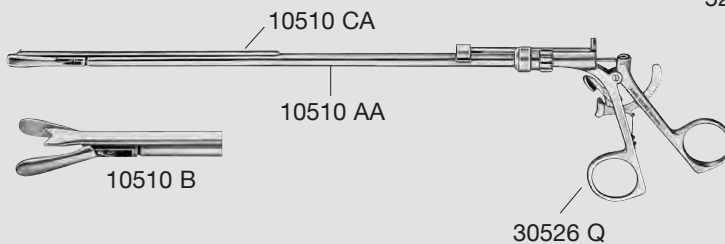
525

30526 Q **Handle, with ratchet**

10510 AA **Outer Sheath**

10510 B **Forceps Insert**

10510 CA **Pusher**



Components / Spare Parts

Catalog page

10510 AA **Outer Sheath**

525



Spare Parts



7909890
Halfround Plate

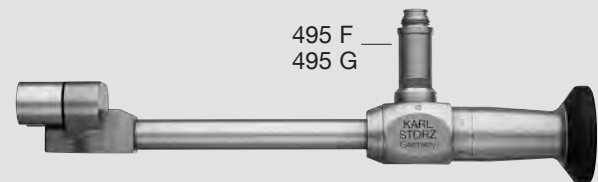


7944790
Silicone Ring

Miscellaneous

VITOM® Telescopes

Components / Spare Parts		Catalog page
20916025 AA	VITOM® Telescope 0° with Integrated Illuminator	551
20916025 AGA	VITOM® II NIR/ICG Telescope 0° with Integrated Illuminator	555
20916025 AIA	VITOM® II PDD Telescope 0° with Integrated Illuminator	557



Spare Parts

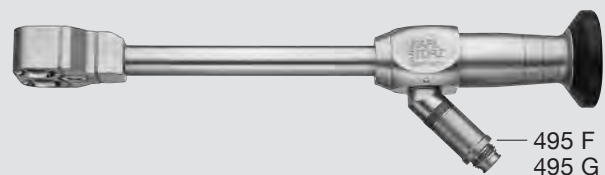


495 F
Receptacle,
 diameter 9 mm, for
 Wolf fiber optic light cable



495 G
Screw Base, for
 KARL STORZ fiber optic
 light cables and Olympus
 Corporation

Components / Spare Parts		Catalog page
20916025 DA	VITOM® Telescope 90° with Integrated Illuminator	551



Spare Parts



495 F
Receptacle,
 diameter 9 mm, for
 Wolf fiber optic light cable









495 G
Screw Base, for
 KARL STORZ fiber optic
 light cables and Olympus
 Corporation

Miscellaneous

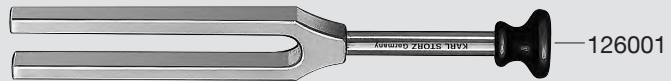
Otoscope, Tuning Forks

Components / Spare Parts Catalog page

<p>121300 HEINE Otoscope</p> <p>121310 Otoscope Head, fiber optic light transmission incorporated</p> <p>121302 Ear Speculum, outer diameter 2.5 mm</p> <p>121303 Ear Speculum, outer diameter 3 mm</p> <p>121304 Ear Speculum, outer diameter 4 mm</p> <p>121305 Ear Speculum, outer diameter 5 mm</p> <p>121311 Battery Handle</p> <p>121306 1.5 Volt Battery, type R 14 S</p> <p>63 Spare Lamp, no. 63, 2.5 V</p>	 <p>121302</p>  <p>121303</p>  <p>121304</p>  <p>121305</p>	 <p>121310</p>  <p>121311</p>	<p>15</p>
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Components / Spare Parts Catalog page

<p>125501 Tuning Fork, C²-512</p> <p>125601 Tuning Fork, C³-1024</p> <p>126000 Tuning Fork, A¹-440</p>	<p>21</p> <p>21</p> <p>21</p>
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Spare Part



126001
Stand

Miscellaneous

LED Battery Light Source for Endoscopes, Nystagmus Spectacles

Components / Spare Parts

Catalog page

11301 D4 **Battery Light Source LED for Endoscopes**

14, 172, 320



Spare Parts



094108 B
Cover, for Battery Box
094108



121306 P
Photo Battery, lithium,
3 V, CR 123 A

Components / Spare Parts

Catalog page

138905 **FRENZEL Nystagmus Spectacles, battery version**

22



Spare Parts



121306
1.5 Volt Battery,
Type R 14 S



138807
Glare Shield, black



138964
Spare Lamp, 4 V

Miscellaneous

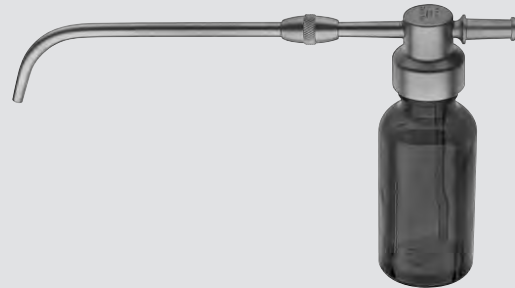
Powder Blower, Retractor

Components / Spare Parts

Catalog page

149320 KABIERSKE Powder Blower

23



Spare Part



149324
Replacement Glass,
brown, autoclavable

Components / Spare Parts

Catalog page

233260 AL HAGR Retractor

70

233261 **Fiber Optic Light Carrier**

233262 **Retractor Arms**

233263 **Retractor Blade**

233264 **Light Connector**

233265 **Fixation Wheel**



Spare Parts for 233264



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation

Miscellaneous

Metal Mallets

Components / Spare Parts

Catalog page

174700 Metal Mallet

39, 117



Spare Part



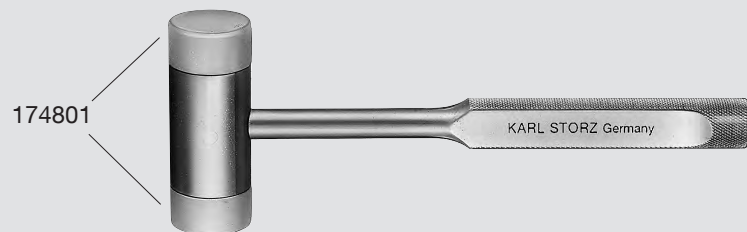
174701
Plastic Mallet Head

Components / Spare Parts

Catalog page

174800 Metal Mallet

39, 117



Spare Part



174801
Plastic Replacement

Miscellaneous

TAKE APART® Bipolar Forceps

Components / Spare Parts

Catalog page

462020 TAKE-APART® CASTELNUOVO Bipolar Forceps

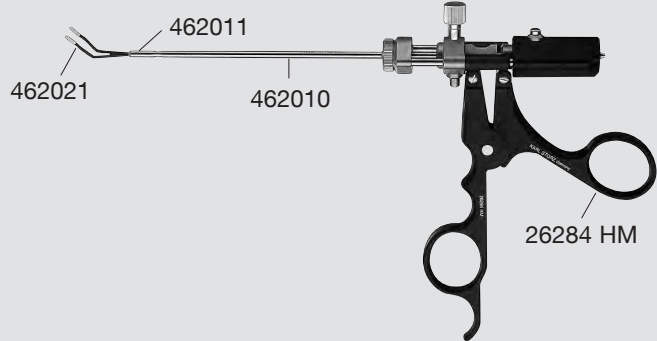
244, 376

26284 HM **Bipolar Ring Handle**

462010 **Outer Sheath**

462011 **Inner Sheath**

462021 **Forceps Insert**



Components / Spare Parts

Catalog page

26284 HM TAKE-APART® Bipolar Ring Handle

244, 376

Spare Part



6011590
Plug, for LUER-Lock
connector



Miscellaneous

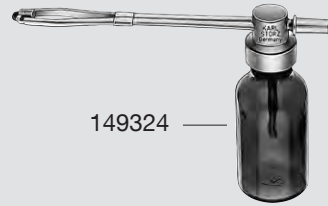
Atomizer

Components / Spare Parts

Catalog page

437520 DE VILBIS Nasal Atomizer

99



149324 —

Spare Part



149324
Replacement Glass,
brown, autoclavable

Miscellaneous

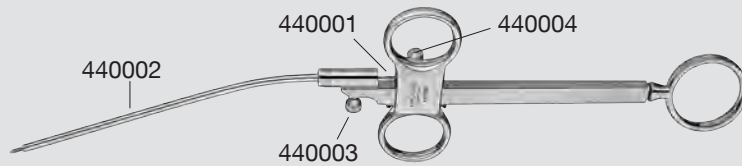
Nasal Snares

Components / Spare Parts

Catalog page

440000 KRAUSE Nasal Snare

100



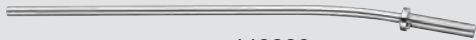
Spare Parts



**440001
Traction Wire**



**440003
Fixation Screw,
for Tube M 2.3**



**440002
Guide Tube,
with traction wire**



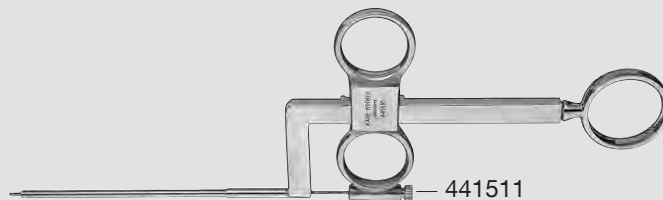
**440004
Fixation Screw,
for Traction Wire M 2.5**

Components / Spare Parts

Catalog page

441510 LANGE Nasal Snare

100



Spare Part



**441512
Traction Wire, with thread,
for use with Nasal Snare
441510, current model**

Components / Spare Parts

Catalog page

459999 Opening Aid

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Miscellaneous

Nasal Retractor

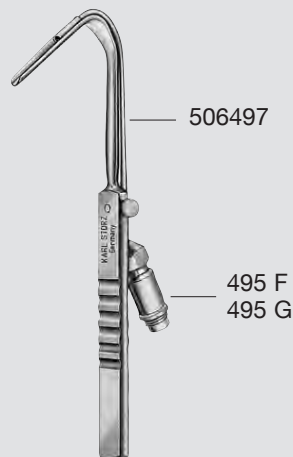
Components / Spare Parts

Catalog page

506496

AUFRICHT **Nasal Retractor**

125



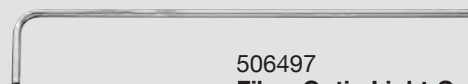
Spare Parts



495 F
Receptacle,
diameter 9 mm, for
Wolf fiber optic light cable



495 G
Screw Base, for
KARL STORZ fiber optic
light cables and Olympus
Corporation



506497
Fiber Optic Light Carrier

Miscellaneous

Rotating Clamp and Flexible Tension Arm

Components / Spare Parts

Catalog page

723017

Rotating Clamp

96



Spare Parts



6299991
Star Grip, small



7976090
Star Grip, large

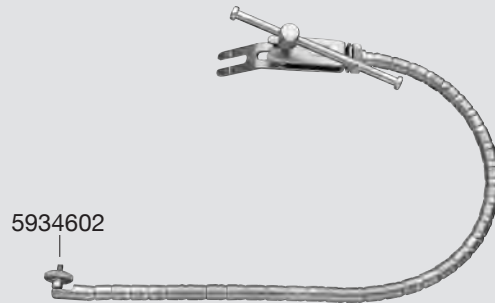
Components / Spare Parts

Catalog page

723018

Flexible Tension Arm

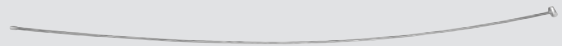
96



Spare Parts



5934602
Knurled Nut



723018 Z
Bowden Wire

Miscellaneous

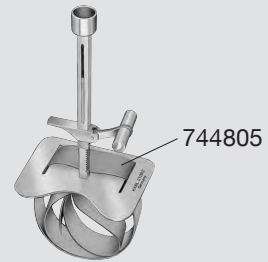
Chest Supports, Tonsil Snare

Components / Spare Parts

Catalog page

- 744800 NEGUS Chest Support
- 744801 NEGUS Chest Support

280
—



Spare Part



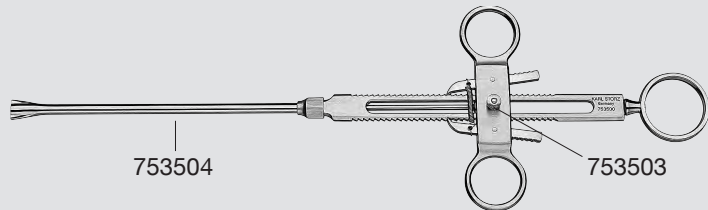
744805
Band, for fixation
of chest supports

Components / Spare Parts

Catalog page

- 753500 BRÜNINGS Tonsil Snare

290



Spare Parts



753504
Guide Tube, without
traction rod, with central
screw



753503
Screw, for fixation
of traction rod

Miscellaneous

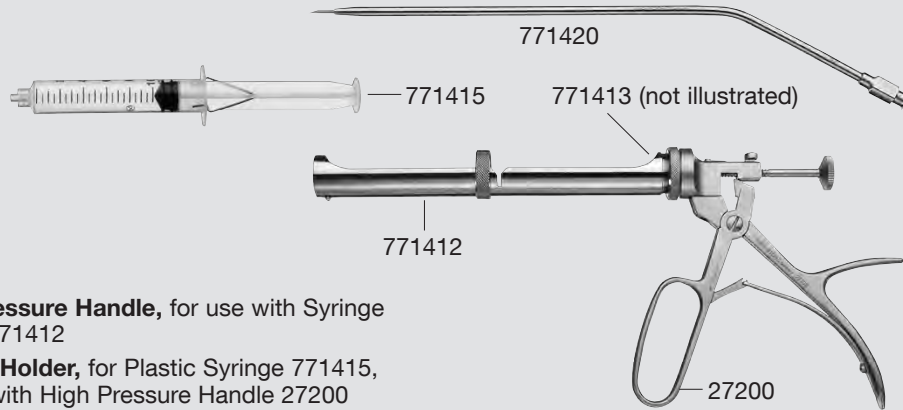
High Pressure Syringes

Components / Spare Parts

Catalog page

771410 PERETTI **High Pressure Syringe**, for fat injection

479



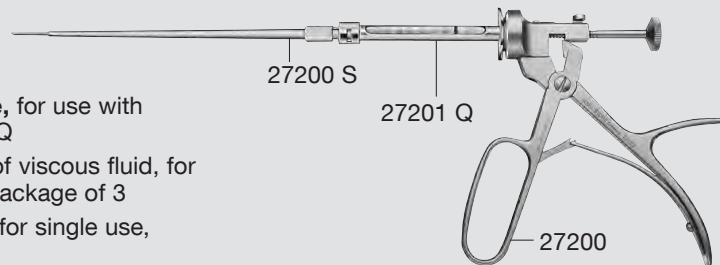
- 27200 **High Pressure Handle**, for use with Syringe Holder 771412
- 771412 **Syringe Holder**, for Plastic Syringe 771415, for use with High Pressure Handle 27200
- 771413 **Pusher**, for use with High Pressure Handle 27200 with Plastic Syringe 771415
- 771415 **Plastic Syringe**, spring-action, self-retaining, 10 ml, sterile, for single use, package of 25
- 771420 **Injection Cannula**, angular, LUER-Lock, tip outer diameter 1.3 mm, inner diameter 0.8 mm, working length 20 cm, package of 3

Components / Spare Parts

Catalog page

771400 **High Pressure Syringe**, for viscous fluid injection

480



- 27200 **High Pressure Handle**, for use with Syringe Holder 27201 Q
- 27200 B **Adaptor**, for injection of viscous fluid, for filling plastic syringe, package of 3
- 27200 P **Plastic Syringe**, 1 ml, for single use, package of 100
- 27201 Q **Syringe Holder**, for plastic syringe, metal, package of 3
- 27200 S **Injection Cannula**, LUER-Lock, outer diameter of syringe 1.3 mm, inner diameter 0.8 mm, working length 23 cm, package of 3

Components / Spare Parts

Catalog page

27200 **High Pressure Handle**, for 771400 and 771410

479-480



Spare Part



5900100
O-Ring

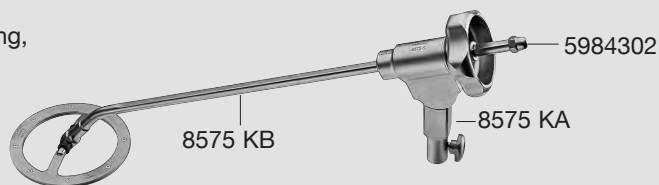
Miscellaneous

Laryngoscope Holders and Chest Supports

Components / Spare Parts

Catalog page

- 8575 K **Laryngoscope Holder and Chest Support, GÖTTINGEN model** 433, 445, 506-507
- 8575 KA **Laryngoscope Holder, GÖTTINGEN model,**
with adjustment wheel
- 8575 KB **Support Rod, movable, with metal ring,**
diameter 9 cm, length 34 cm



Spare Parts

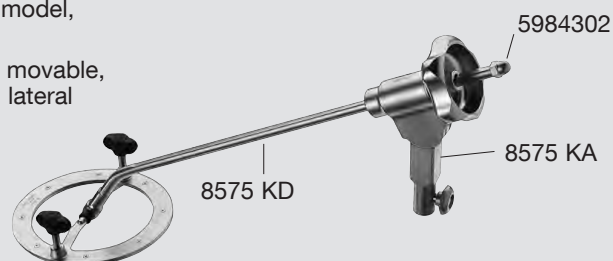


5984302
Cap Nut

Components / Spare Parts

Catalog page

- 8575 KC **BENJAMIN-PARSONS Laryngoscope Holder and Chest Support** 445, 506-507
- 8575 KA **Laryngoscope Holder, GÖTTINGEN model,**
with adjustment wheel
- 8575 KD **BENJAMIN-PARSONS Support Rod, movable,**
with metal ring diameter 12 cm and 2 lateral
screws, length 34 cm



Spare Part



5984302
Cap Nut

Miscellaneous

Laryngoscope Holders and Chest Supports

Components / Spare Parts

Catalog page

8574 KW BENJAMIN-PARSONS **Laryngoscope Holder and Chest Support**

441, 443

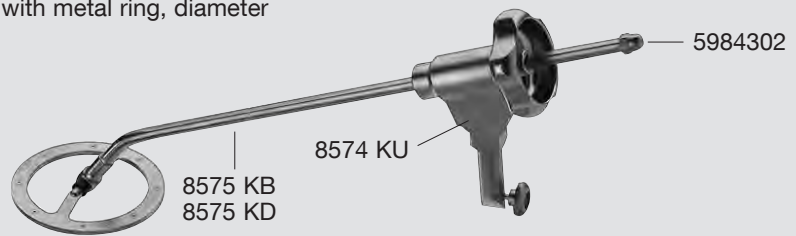
8574 KU **Laryngoscope Holder**, GÖTTINGEN model, with adjustment wheel

8575 KD BENJAMIN-PARSONS **Support Rod**, moveable, with metal ring, diameter 12 cm and 2 lateral set screws, length 34 cm

8574 KT **Laryngoscope Holder and Chest Support**, GÖTTINGEN model

8574 KU **Laryngoscope Holder**, with adjustment wheel

8575 KB **Support Rod**, movable, with metal ring, diameter 9 cm, length 34 cm



Spare Part



5984302
Cap Nut

Components / Spare Parts

Catalog page

8575 KW LEWY **Laryngoscope Holder and Chest Support**

444

8575 GN LEWY **Laryngoscope Holder**

8575 KD **Support Rod**, movable, with metal ring, diameter 12 cm, length 34 cm

8575 KT LEWY **Laryngoscope Holder and Chest Support**

8575 GN LEWY **Laryngoscope Holder**

8575 KB **Support Rod**, movable, with metal ring, diameter 9 cm, length 34 cm



Spare Part



5984302
Cap Nut

Miscellaneous

Support Table

Components / Spare Parts

Catalog page

8575 L **Support Table, GÖTTINGEN model**

446

- 8575 LC **Swivel Arm, with movable plate**
- 8575 LB **Holding Rod, for height adjustment**
- 8575 LA **Attachment Blocks, can be mounted on operation table equipped with standard sliding rail 25 x 10 mm**



Miscellaneous

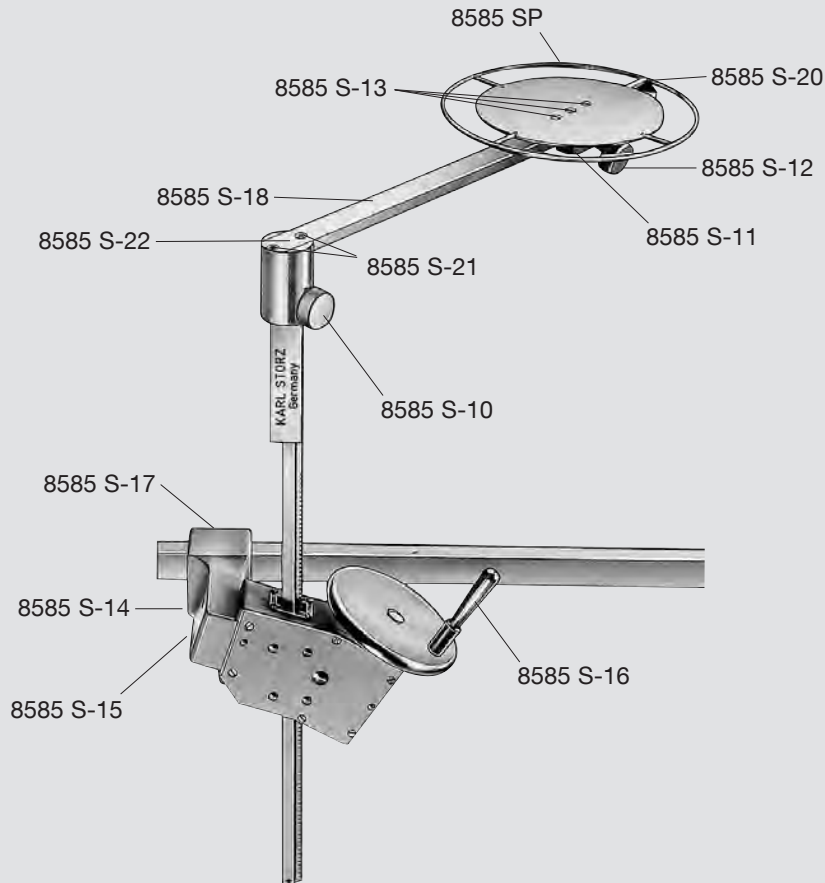
Chest Support

Components / Spare Parts

Catalog page

8585 S Chest Support, LÜBECK model

447



Spare Parts



8585 SP
Plate, with ring



8585 S-12
Fixation Screw, serrated,
M8 x 24, for the fixation of
the support plate at the
swivel arm

8585 S-10
Fixation Screw, serrated,
M10 x 34.5 mm



8585 S-13
Screw, for fixating Plate
8585 SP to Slide Block
8585 S-11, set of 3



8585 S-11
Slide Block,
for Plate 8585 SP and
Fixation Screw 8585 S-12



8585 S-14
Clamp, for attaching the
chest support on the
operating table's sliding rail

Miscellaneous

Chest Support

Further Spare Parts for 8585 S



8585 S-15
Fixation Screw

8585 S-19
Clamp, left-handed
version (not illustrated)

8585 S-16
Handle, with bolt and
fixation screw

8585 S-20
Endface Screw, for
securing the slide block on
the crossbar

8585 S-17
Gear Rod, right

8585 S-21
Cylinder Screw,
M6 x 16 mm, package of 2

8585 S-18
Cross Bar complete, with
holder and screws

8585 S-22
Locking Screw

Motor Systems

UNIDRIVE® SELECT, ENDOMAT® SELECT, Universal Spray

Components / Spare Parts

Catalog page

UM 600 UNIDRIVE® SELECT

337

- 400 A **Mains Cord**, length 300 cm
- WO10275 **Patch Cable**, length 200 cm



UM 600

UP 220 ENDOMAT® SELECT

- 400 A **Mains Cord**, length 300 cm



UP 220

Spare Parts



2027590
Mains Fuse,
T 2.0 AL (SB),
package of 10



2107890
Fuse Holder, for
power supply socket

Components / Spare Parts

Catalog page

- 280063 **Lubricant Spray LUBRIFLUID**, 6 x 500 ml bottles
- 280064 **Cleaning Product AQUACARE**, 6x 500 ml bottles

339, 346

Motor Systems

INTRA Drill Handpieces

Components / Spare Parts

Catalog page

262570	INTRA Drill Handpiece	340
262571	INTRA Drill Handpiece	340

Spare Parts

ET30-1500096
Irrigation Cannula, for
262570 and 262571



262570

262572	INTRA Drill Handpiece
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340

Spare Parts

ET30-1500098
Irrigation Cannula, for
262572



262572

Motor Systems

High-Speed Drill Handpieces

Components / Spare Parts

Catalog page

362681 High-Speed Drill Handpiece

345

Spare Part

ET30-1501538
Irrigation Cannula, for
362681



362681

362682 High-Speed Drill Handpiece

Spare Part

ET30-1501539
Irrigation Cannula, for
362682



362682

362683 High-Speed Drill Handpiece

Spare Part

ET30-1501540
Irrigation Cannula, for
362683



362683

362684 High-Speed Drill Handpiece

Spare Part

ET30-1501541
Irrigation Cannula, for
362684



362684

Motor Systems

Cleaning Adaptor, Universal Spray

Components / Spare Parts

Catalog page

- 41200 RA** **Cleaning Adaptor**
- 41200 RA1 **Cleaning Adaptor for Inner Blades**
- 41200 RA2 **Cleaning Adaptor for Outer Blades**

355, 356



41200 RA1



41200 RA2

Components / Spare Parts

Catalog page

- 280053** **Universal Spray, 6x 500 ml bottles**
- 280053 B **Universal Spray, 500 ml**
- 280053 C **Spray Nozzle**

355



Spare Parts



280053 C
Spray Nozzle

High Frequency Surgery Units

AUTOCON® III 400 High-End, AUTOCON® III 300

Components / Spare Parts

Catalog page

UH 400 **AUTOCON® III 400 High-End**, without CE certification
power supply 220 – 240 VAC, 50/60 Hz

369

400 A **Mains Cord**, length 300 cm

UH 400E **AUTOCON® III 400 High-End**, with CE certification,
power supply 220 – 240 VAC, 50/60 Hz

400 A **Mains Cord**, length 300 cm

UH 400U **AUTOCON® III 400 High-End**, without CE certification
power supply 100-127 VAC, 50/60 Hz

400 B **Mains Cord**, US version, length 200 cm

UH 400UE **AUTOCON® III 400 High-End**, with CE certification,
power supply 100-127 VAC, 50/60 Hz

400 B **Mains Cord**, US version, length 200 cm



UH 400

Spare Part for use at 220-240 V:



1222890
Fuse,
2x 5 AH, package of 10

Spare Part for use at 100-127 V:



1432095
Fuse,
2x 10 AH, package of 10

Components / Spare Parts

Catalog page

UH 300 **AUTOCON® III 300**, without CE certification,
power supply 220 – 240 VAC, 50/60 Hz

372

400 A **Mains Cord**, length 300 cm

UH 300E **AUTOCON® III 300**, with CE certification,
power supply 220 – 240 VAC, 50/60 Hz

400 A **Mains Cord**, length 300 cm

UH 300U **AUTOCON® III 300**, without CE certification,
power supply 100 – 127 VAC, 50/60 Hz

400 B **Mains Cord**, US version, length 200 cm

UH 300UE **AUTOCON® III 300**, with CE certification,
power supply 100 – 127 VAC, 50/60 Hz

400 B **Mains Cord**, US version, length 200 cm



UH 300

Spare Part for use at 230 V:



2027690
Fuse,
220 – 240 VAC, T 4.0 AH,
package of 10

Spare Part for use at 110 V:



2028090
Fuse,
T 8.0 AL (SB),
package of 10