



INVOTEC®

ENT and Plastic Surgery



TERMS AND CONDITIONS

PLACING YOUR ORDER

For your convenience, orders may be placed via email, fax, or phone. We will ship ground unless otherwise specified.

Email: orders@invotec.net

Fax: (904) 886-9517

Phone: (800) 998-8580

PAYMENT TERMS

Our payment terms are net thirty (30) days. F.O.B. Jacksonville, FL unless otherwise specified.

ACCEPTANCE

All orders are subject to approval and acceptance from Invotec International, Inc. which reserves the right to alter or suspend credit, cancel unfilled orders or refuse shipment when credit conditions warrant such action.

PRODUCT SPECIFICATIONS AND AVAILABILITY

Invotec reserves the right to discontinue merchandise, make design improvements, change specifications, prices, terms or conditions of sale at any time without notice or obligation.

PACKAGING AND SHIPMENTS

- A. Processing of all orders begins immediately.
- B. All items shall be packaged and shipped in accordance with Invotec's best judgment. Special packaging or shipping instructions must be noted on the original order and acknowledged by Invotec.
- C. Shipment is F.O.B. Jacksonville, FL.
- D. Shipment dates are based on Invotec's best estimates. Invotec will exercise its best efforts to ship on schedule, but shall not be liable for damage or loss because of any delay in delivery.
- E. Invotec reserves the right to fill any order by complete or partial shipments unless otherwise agreed.
- F. Invotec's responsibility for loss or damage to goods ends upon delivery of those goods to the transporting company. If Invotec paid for shipping, we will assist you in any reasonable manner in filing claims for damaged or lost merchandise.
- G. Invotec shall not be liable for any failure or delay in delivery caused in whole or in part by any governmental act or regulation, civil commotion, delay of carriers, destruction of plants, fire, inability to obtain materials or shipping space, lockouts, strikes, wars, or any other cause beyond our control.

COMPLAINT HANDLING

If you encounter a problem or complaint, please do the following: 1) obtain all relevant facts, including the name of user, address, phone number, merchandise number, lot/serial number, date of occurrence and description of circumstances or nature of problem; and 2) report information immediately to Invotec's Customer Service Department at the number listed above. Every effort will be made to address and resolve problems in a manner consistent with our goal of providing quality merchandise and services.

RETURNED GOODS POLICY

No merchandise may be returned without the prior authorization of Invotec. All returns must be accompanied by a Returned Goods Authorization (RGA) number. This number can be obtained by calling our Customer Service Department. To request an RGA number, please have the following information when calling Customer Service: 1) original invoice number or purchase order number, 2) sales order number, 3) catalog number, 4) quantity, 5) lot number, 6) and reason for return. Please display the RGA number prominently on the box and include it on all paperwork. All authorized returns must be sent freight prepaid.

- A. All returned merchandise must be in its original package. Any merchandise returned that is obsolete, beyond its expiration date, defaced, altered, damaged or has come in contact with body tissue or fluids will not be eligible for return or credit. Sterile merchandise must be returned in full-box quantities with the outer seals intact.
- B. Merchandise returned in unopened, unused, undamaged condition within 60 days of the date of purchase will be credited at the customer's purchase price.
- C. Merchandise returned unused after 60 days and before 180 days from date of purchase will be credited at actual purchase prices less 25% restocking fees.
- D. Merchandise returned after 180 days from date of purchase is not eligible for return or credit.
- E. Altered or custom made items are not eligible for return or credit.
- F. If you are enrolled in the New Product Evaluation Guarantee Program and have a return, Invotec will refund you the purchase price for product purchased on an initial evaluation order subject to the conditions outlined in your warranty.
- G. Merchandise returned without prior authorization or not in accordance with the terms and conditions outlined above will be returned to the customer at the customer's expense.

RETURN OF MERCHANDISE FOR REPAIR

To arrange for the return of merchandise for repair, call Customer Service at (800) 998-8580 to obtain a Returned Goods Authorization (RGA) number and to schedule the repair. Please have the original invoice number or purchase order number available to assist in verifying warranty information.

A purchase order number is required to process all repairs. After obtaining a RGA number, Customer Service will inform you of the repair charge that will be billed to your purchase order.

The RGA number should be prominently displayed on the box and should be included on all paperwork enclosed with the merchandise requiring repair. Merchandise returned for repair should be safely packaged in protective wrapping. Customer must include with the returned merchandise the 1) purchase order number, 2) correct shipping and billing address, and 3) Repair Order Form or customer statement of problem/reason for repair.

ALL REPAIRS SHOULD BE SHIPPED FREIGHT PREPAID TO:

Invotec International, Inc.
6833 Phillips Industrial Blvd.
Jacksonville, FL 32256
ATTN: RGA # _____

IMPORTANT

Due to the potential threat to health, all instruments and devices returned for repair must have been decontaminated and/or sterilized. Any product received in an unsanitary condition will be deemed un-repairable and discarded unless Invotec is able to sterilize or decontaminate the product. An additional service fee of \$250.00 will be applied to the cost of the repair of any product requiring sterilization or decontamination by Invotec.

LOANER POLICY FOR REPAIRS

Loaners for merchandise that is being repaired under warranty are provided at no charge and must be returned to Invotec within ten (10) days after customer's receipt of repaired merchandise. If the loaner is not returned within the allotted timeframe, Invotec reserves the right to charge a daily rental fee. Rental fees will continue to be charged until the loaner is returned to Invotec.

Customer shall be responsible for any damage to loaner equipment while in customer's possession or during shipping back to Invotec. Customer is responsible for all shipping charges associated with the loaner's return.

REPAIR WARRANTIES

All repairs are warranted to be free from defects in material and workmanship for ninety (90) days after the date of shipment.

CHANGES TO TERMS

Invotec retains the right to change any of these terms or conditions without notice.

WARRANTY

Invotec International, Inc. warrants that the merchandise is free from defects in material and workmanship. Invotec will replace or provide a refund for any merchandise found to be defective so long as the merchandise is returned according to the Returned Goods Policy. Invotec shall not be liable for any consequential loss, damage or expense directly or indirectly arising from the use or misuse of, or inability to use, this merchandise. THE FOREGOING WARRANTY IS IN LIEU OF AND EXCLUDES ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, HOWEVER ARISING, INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AGAINST INFRINGEMENT OR OTHERWISE. Invotec neither assumes nor authorizes any person to assume for it, any other additional liability or responsibility with respect to this merchandise.

Care and Handling of Surgical Instruments

The methods discussed have been validated for cleaning and sterilizing medical devices distributed by Invotec International and other fine surgical instrument suppliers. They have been developed using standard equipment and practices common to most health care facilities. Manual cleaning methods, steam and ETO sterilization were used as much as possible.

The Sterilization Guidelines presented are based on type of product, placed into specific categories.

Category	Type of Product
Instruments with rough surfaces	Applicators, burs, rasps, brushes, curettes
Instruments with sliding hinges	Adenotomes, forceps, punches, rongeur
Instruments with screw pivot hinges	Scissors, specula, retractors, calipers
Instruments whose surfaces that can be marred, scored, or scratched.	Mallet heads, cutting blocks, Instruments made of or having Delrin® (Dupont™) surfaces, specula, mixing bowls.
Instruments with lumens and channels	Suction tips, cannulas, needles.

Recommended Cleaning Supplies:

- Enzyme solution (i.e. Klenszyme®), detergent (Manu-Klenz®) lukewarm water, soft bristle brush, and a clean soft towel.
- Detergents: Proteolytic enzymatic detergents with a pH range between 6.0 and 8.0 should be used. These detergents have nonionic surfactants. Detergents should be used in a concentration level recommended by the manufacturer. NOTE: Undiluted detergents and those with pH's greater than 8.0 can strip the coloration from metal instruments.
- Ultrasonic Cleaners designed for fine cleaning of medical devices.

Cleaning Procedure:

1. Soak for a minimum of two (2) minutes in enzyme solution
2. Rinse thoroughly under lukewarm water
3. Manually clean with a soft bristle brush while immersed in a detergent solution, paying close attention to crevices and hard-to-clean areas.
 - a. If using a power washer, close adherence to washer manufacturers' procedures should be followed.
4. Rinse thoroughly under lukewarm water
5. Dry with a clean soft cloth
6. Visibly examine for damage, rust deposits, and cleanliness.

Sterilization Recommendations

Device Type	Prevacuum Wrapped	Prevacuum Unwrapped	Gravity Unwrapped	Gravity wrapped	EO	Chemical Disinfectant	Chemical Sterilant	Peracetic Acid	Gas Plasma
Rough Surfaces	YES	YES	YES	YES	YES	YES	YES	YES	YES
Sliding Hinges	YES	YES	YES	YES	YES	YES	YES	YES	YES
Lever Hinges	YES	YES	YES	YES	YES	YES	YES	YES	YES
Screw Pivot	YES	YES	YES	YES	YES	YES	YES	YES	YES
Lumens	YES	YES	YES	YES	YES	YES	YES	NO	YES
Sterilization Trays	YES	YES	YES	YES	YES	YES	YES	NO	NO
Steam Sterilizable Endoscopes	YES	YES	YES	YES	YES	YES	YES	YES	YES

A “**NO**” indicates Invotec International does not have the data to support the recommendation of the specific method of sterilization for a given category.

Cycle Parameters

Prevacuum Cycle (wrapped and unwrapped): Three (3) preconditioning pulses with a minimum exposure time of 4 minutes at 270 °F (132 °C).

Gravity Cycle (wrapped): 270 °F (132 °C) with a minimum exposure time of 15 minutes.

Gravity Cycle (Unwrapped): 270 °F (132 °C) with a minimum exposure time of 10 minutes.

Ethylene Oxide Cycle

Sterilant	Temperature	Humidity	Preconditioning	Concentration	Exposure
100% EO	131 °F (55 °C)	65-75%	1 hour	725 mg/l	120-360 minutes
Aerate a minimum of 12 hours at 131 °F (55 °C)					

Liquid Chemical Cycle

Concentration of Glutaraldehyde	Temperature	Exposure for Disinfection	Exposure for Sterilization
2.4%	77 °F (25 °C)	45 minutes	10 hours

- **Implants** are sold as one-time use items and not intended for re-sterilization.
- Most reusable instruments are sold nonsterile. These devices should be placed into suitable packaging for the sterilization process (i.e., central supply wrap (CSR), autoclave bags, paper/Tyvek® pouches, dedicated sterilization trays and sterilized prior to use. **All instruments should be examined and cleaned prior to sterilization.**

INVOTEC®

RHINOLOGY INSTRUMENTS

Telescopes	73-74
Forceps	75-83
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Nasal Scissors	90-94
Knives and Blades	95
Osteotomes, Chisels and Saws	96-99
Elevators and Probes	100-101
Septum Instruments	102-103
Curettes	104-105
Speculas	106-108
Retractors, hooks	109-112
Rasps	113-115
Sinus Suction Tips	116-117
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Needle Holders, Wire Twisters	119-122
Tissue Thumb Forceps	123
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PARANASAL, SKULL BASE, PITUITARY INSTRUMENTS

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Forceps	132-133

OTOLOGY INSTRUMENTS

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ORO-NASOPHARYNGEAL INSTRUMENTS

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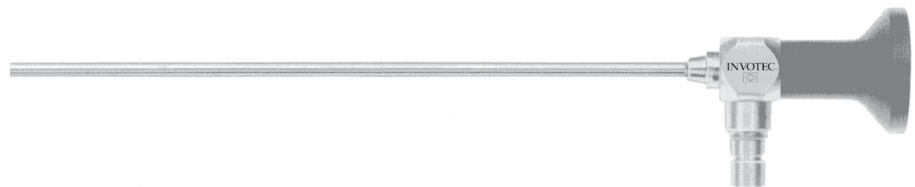
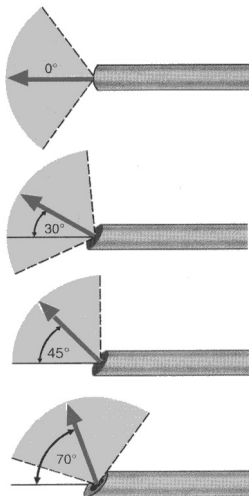
MISCELLANEOUS

CryolQ Gas Cartridges	249-251
Revitalize Vials	253-255

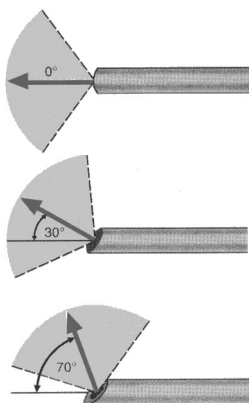


TELESCOPES FOR NOSE AND PARANASAL SINUSES

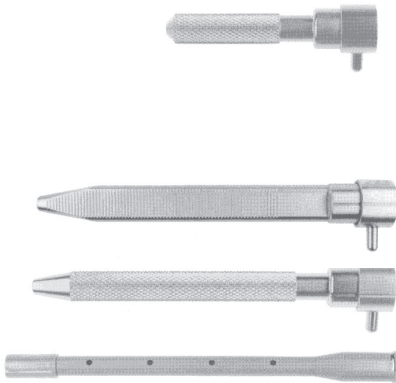
Number	Description	Angle	Diameter	Working Length	Material
10-0036-00	Straight Forward Wide Angle Telescope	0°	2.7 mm	110 mm	autoclavable
10-0037-00	Straight Forward Wide Angle Telescope	30°	2.7 mm	110 mm	autoclavable
10-0038-00	Straight Forward Wide Angle Telescope	70°	2.7 mm	110 mm	autoclavable



Number	Description	Angle	Diameter	Working Length	Material
10-0045-00	Straight Forward Wide Angle Telescope	0°	4 mm	175 mm	autoclavable
10-0046-00	Straight Forward Wide Angle Telescope	30°	4 mm	175 mm	autoclavable
10-0086-00	Straight Forward Wide Angle Telescope	45°	4 mm	175 mm	autoclavable
10-0047-00	Straight Forward Wide Angle Telescope	70°	4 mm	175 mm	autoclavable



Number	Description	Angle	Diameter	Working Length	Material
10-0039-00	Straight Forward Wide Angle Telescope	0°	2.7 mm Ø	175 mm	autoclavable
10-0040-00	Straight Forward Wide Angle Telescope	30°	2.7 mm Ø	175 mm	autoclavable
10-0041-00	Straight Forward Wide Angle Telescope	70°	2.7 mm Ø	175 mm	autoclavable



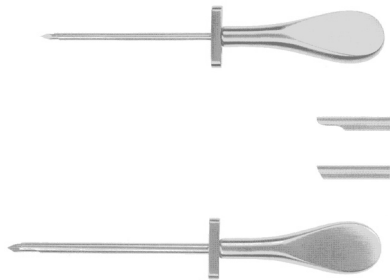
TELESCOPE HANDLES

Number	Description	Length	Working Length
S40213	Telescope Handle round	6.5 cm	110 mm

Number	Description	Length	Working Length
S40211	Flat Handle	straight forward telescopes up to 4 mm Ø	11 cm 175 mm

S40212	Round Handle	forward-oblique and lateral telescopes up to 4 mm Ø	11 cm 175 mm
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S41100	Protection Tube for Sinuscopy Telescopes		
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ENDOSCOPE TROCAR AND CANNULA

Number	Description		OuterØ	Cannula length
S18400	Trocar and Cannula for Sinuscopy with billshaped beak	for use with 4 mm telescopes	5 mm	8.5 cm

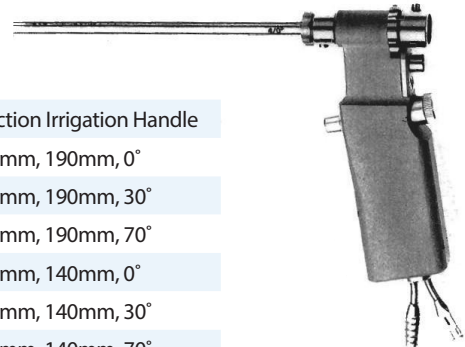
S18500	Trocar and Cannula for Sinuscopy with oblique beak	for use with 4 mm telescopes	5 mm	8.5 cm
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S18503	Trocar and Cannula for Sinuscopy with oblique beak	for use with 2.7 mm telescopes	3.3 mm	7.5 cm
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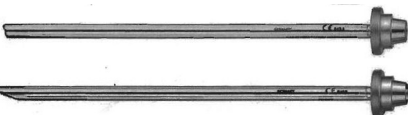
S18504	Trocar and Cannula for Sinuscopy with oblique beak	for use with 3 mm telescopes	4 mm	7.5 cm
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SUCTION IRRIGATION

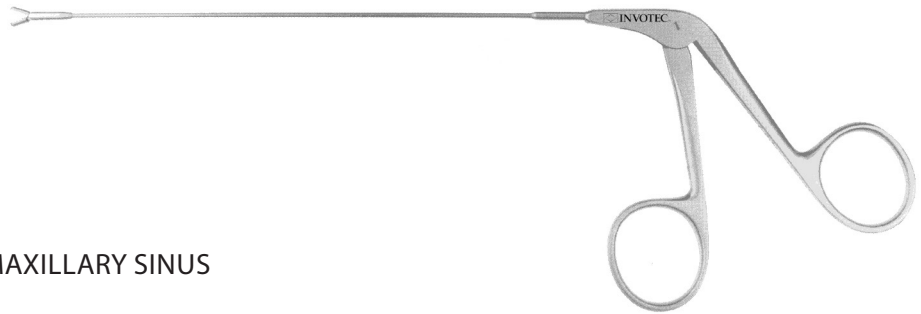
Number	Description
S42000	Pistol Grip Telescope Suction Irrigation Handle
S42800	Sheath for telescope 2.7mm, 190mm, 0°
S42830	Sheath for telescope 2.7mm, 190mm, 30°
S42870	Sheath for telescope 2.7mm, 190mm, 70°
S42900	Sheath for telescope 2.7mm, 140mm, 0°
S42930	Sheath for telescope 2.7mm, 140mm, 30°
S42970	Sheath for telescope 2.7mm, 140mm, 70°
S44100	Sheath for telescope 4.0mm, 180mm, 0°
S44130	Sheath for telescope 4.0mm, 180mm, 30°
S44145	Sheath for telescope 4.0mm, 180mm, 45°
S44170	Sheath for telescope 4.0mm, 180mm, 70°



Number	Description
S52100	Pencil Grip Suction Irrigation Handle
S42830	Sheath for 2.7mm , telescopes 0-30°
S52930	Sheath for 4.0mm, telescope 0-30°
S52870	Sheath for 2.7mm. Telescope 70°
S52970	Sheath for 4.0mm, telescope 70°



RHI INS



MAXILLARY SINUS



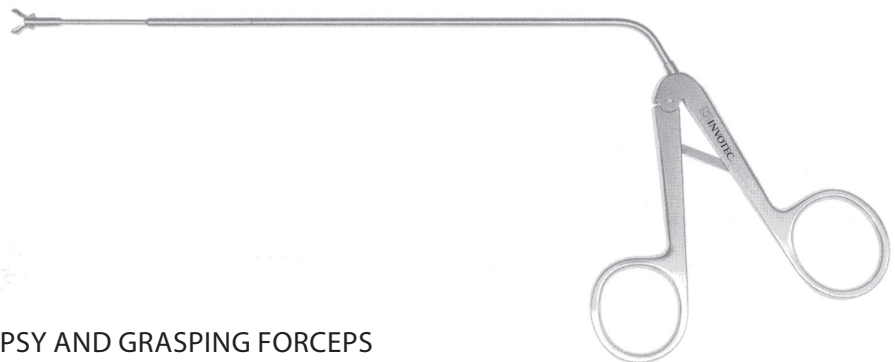
Number	Description	Sheath	Working Length
S15000	Biopsy and Grasping Forceps	double action oval cupped jaws 2.5 mm Ø	1.5 mm Ø 15 cm
S15070	Biopsy Forceps	double action oval cupped jaws, 3.0 mm Ø	angles down 70° 12 cm
S15110	Biopsy Forceps	double action oval cupped jaws, 3.0 mm Ø	angles down 110° 11 cm



ANTRUM GRASPING FORCEPS



Number	Description	Working Length
S15500	Antrum Grasping Forceps, (Heuwieser style) retrograde opening jaws 120°	10 cm



BIOPSY AND GRASPING FORCEPS



Number	Description	Working Length
S15005	Biopsy and Grasping Forceps with malleable sheath end	double action oval cupped jaws 4mm Ø with vertical opening 18 cm



THROUGH-CUTTING FRONTAL SINUS PUNCH FORCEPS



Number	Description	Diameter			Working Length
S36201	Double action cup jaws	2 mm	55° upturned	vertical opening	14.5 cm
S36202	Double action cup jaws	2 mm	55° upturned	horizontal opening	14.5 cm
S36203	Double action cup jaws	2 mm	90° upturned	vertical opening	14.5 cm
S36204	Double action cup jaws	2 mm	90° upturned	horizontal opening	14.5 cm



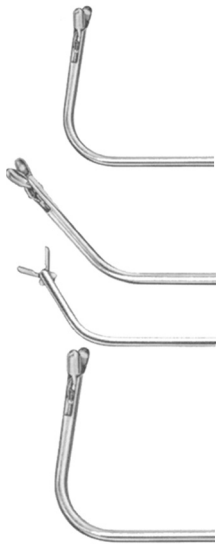
GIRAFFE FORCEPS



Number	Description	Diameter		
S35401	Double action cup jaws	3 mm	55° upturned	vertical opening
S35402	Double action cup jaws	3 mm		horizontal opening
S35403	Double action cup jaws	2 mm		vertical opening
S35404	Double action cup jaws	2 mm		horizontal opening
S35413	Double action cup jaws	4 mm		vertical opening
S35414	Double action cup jaws	4 mm		horizontal opening

Number	Description	Diameter		
S35405	Double action cup jaws	2 mm	90° upturned	vertical opening
S35406	Double action cup jaws	2 mm		horizontal opening
S35409	Double action cup jaws	4 mm		vertical opening
S35410	Double action cup jaws	4 mm		horizontal opening

RHI INS


BIOPSY FORCEPS


Number	Description	Diameter		
S35110	Oval double action cupped jaws	2.6 mm	110° backwards cutting	horizontal opening
S35111	Oval double action cupped jaws	2.6 mm	110° backwards cutting	vertical opening
S35170	Oval double action cupped jaws	2.6 mm	70° upturned	horizontal opening
S35171	Oval double action cupped jaws	5.6 mm	70° upturned	vertical opening
S35114	Oval double action cupped jaws	4 mm	110° backwards cutting	horizontal opening
S35124	Oval double action cupped jaws	4 mm	110° backwards cutting	vertical opening

PEAR-SHAPED POLYP GRASPING FORCEPS


Number	Description			
S35300	Jaws 3 x 1.5 mm	pear-shaped	80° upturned	horizontal opening
S35304	Jaws 3 x 1.5 mm	pear-shaped	45° upturned	upturned
S35301	Jaws 3 x 1.5 mm	pear-shaped	80° upturned	sheath curved left
S35302	Jaws 3 x 1.5 mm	pear-shaped	80° upturned	sheath curved right



BLAKESLEY NASAL FORCEPS



Number	Description	Diameter	Size	Working Length
S30000	Blakesley nasal forceps	Straight	0 = 3 mm	11 cm
S30001	Blakesley nasal forceps	Straight	1 = 3.5 mm	11 cm
S30002	Blakesley nasal forceps	Straight	2 = 4 mm	11 cm
S30003	Blakesley nasal forceps	Straight	3 = 5 mm	11 cm

BLAKESLEY-WILDE NASAL FORCEPS



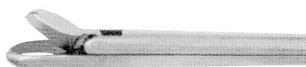
Number	Description	Diameter	Size	Working Length
S30100	Blakesley-Wilde nasal forceps	45° upcurved	0 = 3 mm	11 cm
S30101	Blakesley-Wilde nasal forceps	45° upcurved	1 = 3.5 mm	11 cm
S30102	Blakesley-Wilde nasal forceps	45° upcurved	2 = 4 mm	11 cm
S30103	Blakesley-Wilde nasal forceps	45° upcurved	3 = 5 mm	11 cm

BLAKESLEY-WILDE NASAL FORCEPS

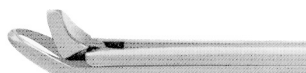


Number	Description	Diameter	Size	Working Length
S30200	Blakesley-Wilde nasal forceps	90° upcurved	0 = 3 mm	11 cm
S30201	Blakesley-Wilde nasal forceps	90° upcurved	1 = 3.5 mm	11 cm
S30202	Blakesley-Wilde nasal forceps	90° upcurved	2 = 4 mm	11 cm
S30203	Blakesley-Wilde nasal forceps	90° upcurved	3 = 5 mm	11 cm

BLAKESLEY THROUGH-CUT FORCEPS



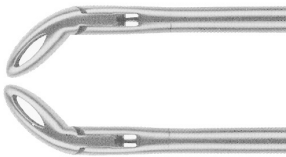
Number	Description	Diameter	Bite	Size	Working Length
S35800	Blakesley through-cut forceps	Straight	2 mm	0 = 3 mm	11 cm
S35801	Blakesley through-cut forceps	Straight	2.5 mm	1 = 3.5 mm	11 cm
S35802	Blakesley through-cut forceps	Straight	3.0 mm	2 = 4 mm	11 cm



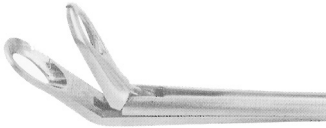
S35900	Blakesley through-cut forceps	45° upcurved	2 mm	0 = 3 mm	11 cm
S35901	Blakesley through-cut forceps	45° upcurved	2.5 mm	1 = 3.5 mm	11 cm
S35902	Blakesley through-cut forceps	45° upcurved	3.0 mm	2 = 4 mm	11 cm


BLAKESLEY ANTRUM FORCEPS

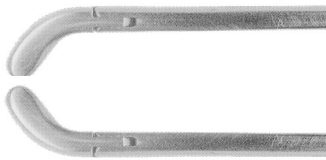
Number	Description			Working Length
S30500	Blakesley antrum forceps	tube shaft	curved left	10 cm
S30600	Blakesley antrum forceps	tube shaft	curved right	10 cm


POLYP GRASPING FORCEPS

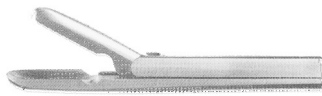
Number	Description		Size	Working Length
S30400	Polyp grasping forceps	60° upcurved	round spoon 6 x 14 mm	11 cm


HELMS NASAL FORCEPS

Number	Description			Working Length
S30700	Helms nasal forceps	oval cupped spoon	curved left	13 cm
S30800	Helms nasal forceps	oval cupped spoon	curved right	13 cm


TAKAHASHI NASAL FORCEPS

Number	Description		Size	Working Length
S27001	Takahashi nasal forceps	straight	spoon 3 x 10 mm	11 cm
S27002	Takahashi nasal forceps	30° upturned	spoon 3 x 10 mm	11 cm


STRUYCHEN NASAL CUTTING FORCEPS

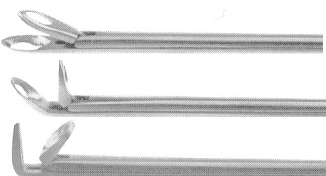
Number	Description	Working Length
S27500	Struychen nasal cutting forceps	11 cm


HARTMANN NASAL CUTTING FORCEPS

Number	Description	Size	Working Length
S29001	Hartmann nasal cutting forceps	1	11 cm
S29002	Hartmann nasal cutting forceps	2	11 cm
S29003	Hartmann nasal cutting forceps	3	11 cm
S29004	Hartmann nasal cutting forceps	4	11 cm

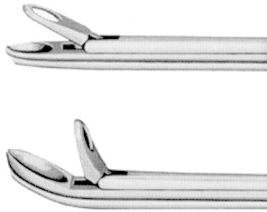

STRUEMPEL

Number	Description			Working Length
S30300	Struempel-Voss nasal forceps	45° upcurved	extra delicate	11 cm
S41000	Struempel nasal forceps	straight	oval cup-shaped jaws	10 cm
S41045	Struempel nasal forceps	45° upcurved	oval cup-shaped jaws	110 cm
S41090	Struempel nasal forceps	90° upcurved	oval cup-shaped jaws	10 cm





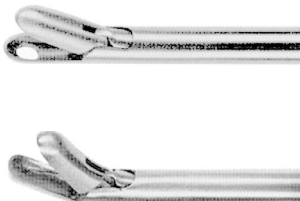
BLAKESLEY SUCTION FORCEPS



Number	Description		Size	Working Length
S37001	Blakesley suction forceps with suction channel	straight	1 = 3.5 mm	11 cm
S37002	Blakesley suction forceps with suction channel	straight	2 = 4 mm	11 cm
S37101	Blakesley suction forceps with suction channel	45° upturned	1 = 3.5 mm	11 cm
S37102	Blakesley suction forceps with suction channel	45° upturned	2 = 3.5 mm	11 cm



TAKAHASHI SUCTION FORCEPS



Number	Description		Size	Sheath Diameter	Working Length
S38001	Takahashi suction forceps with integrated suction channel	straight	1 = 3.5 mm	4 mm	10 cm
S38002	Takahashi suction forceps with integrated suction channel	straight	2 = 2.5 mm	4 mm	10 cm
S38101	Takahashi suction forceps with integrated suction channel	45° upturned	1 = 3.5 mm	4 mm	10 cm
S38102	Takahashi suction forceps with integrated suction channel	45° upturned	2 = 2.5 mm	4 mm	10 cm

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BLAKESLEY SUCTION FORCEPS WITH INTEGRATED SUCTION CHANNEL


Number	Description	Size	Diameter	Working Length	
S36800	BLAKESLEY suction forceps with suction channel	straight	0 = 2.5 mm	4 mm	11 cm
S36801	BLAKESLEY suction forceps with suction channel	straight	1 = 3.5 mm	4 mm	11 cm
S36802	BLAKESLEY suction forceps with suction channel	straight	2 = 4 mm	4 mm	11 cm
S36900	BLAKESLEY suction forceps with suction channel	45° upcurved	0 = 2.5 mm	4 mm	10 cm
S36901	BLAKESLEY suction forceps with suction channel	45° upcurved	1 = 3.5 mm	4 mm	10 cm
S36902	BLAKESLEY suction forceps with suction channel	45° upcurved	2 = 4 mm	4 mm	10 cm


BLAKESLEY SUCTION FORCEPS FOR CHILDREN


Number	Description	Jaw Size	Sheath diameter	Working Length	
S36700	Blakesley suction forceps for children with integrated suction channel	straight	2.5 mm	2.7 mm	10 cm
S36745	Blakesley suction forceps for children with integrated suction channel	45° upcurved	2.5 mm	2.7 mm	10 cm



THROUGH CUTTING FORCEPS WITH INTEGRATED SUCTION CHANNEL



Number	Description	Bite	Working Length
S35200	Through cutting forceps with integrated suction channel	straight	2 mm 10 cm
S35201	Through cutting forceps with integrated suction channel	45° upcurved	2 mm 10 cm
S35204	Through cutting forceps with integrated suction channel	shaft 15° upcurved	2 mm 10 cm



FOKKENS BIOPSY FORCEPS



Number	Description	Bite	Working Length
S36000	Fokkens Biopsy Forceps	straight	3 mm Ø 8 cm
S36045	Fokkens Biopsy Forceps	45° upcurved	Round 3 mm Ø 11 cm

RHINS



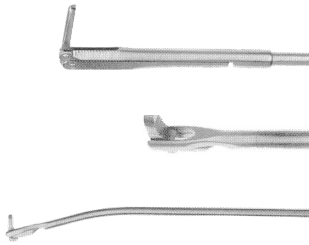
SUPER PUNCH THRU CUT FORCEPS



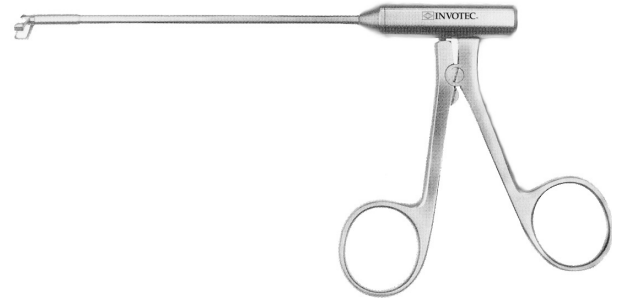
Number	Description		Bite	Size	Working Length
S36400	Super Punch Thru Cut forceps	straight	Oval 2 mm	0	13 cm
S36401	Super Punch Thru Cut forceps	straight	Oval 2.5 mm	1	13 cm
S36402	Super Punch Thru Cut forceps	straight	Oval 3 mm	2	13 cm
S36500	Super Punch Thru Cut forceps	upcurved	Oval 2 mm	0	13 cm
S36501	Super Punch Thru Cut forceps	upcurved	Oval 2.5 mm	1	13 cm
S36502	Super Punch Thru Cut forceps	upcurved	Oval 3 mm	2	13 cm



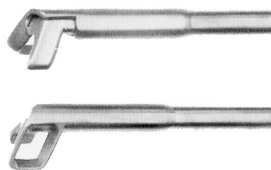
ROTATING BACK BITER



Number	Description	Bite	Working Length
S35015	Rotating Backbiting Antrum Punch, finger post facilitates 360° rotation	pediatric size: 1.5 mm	10 cm
S35025	Rotating Backbiting Antrum Punch, finger post facilitates 360° rotation	2.5 mm	10 cm
S35050	Toby micro backbiter finger post facilitates 360° rotation	curved down	10 cm



STAMMBERGER TYPE SIDEBITING ANTRUM PUNCH

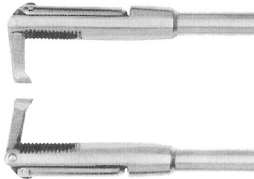


Number	Description	Bite	Working Length
S34801	Sidebiting antrum punch	leftside downward and forward	throughcut 10 cm
S34802	Sidebiting antrum punch	rightside downward and forward	throughcut 10 cm

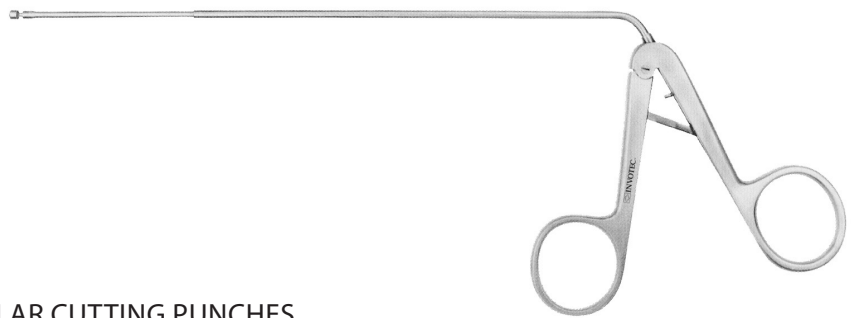
RHINS


BACKBITING ANTRUM

Number	Description	Bite	Working Length	
S35000	Antrum Punch - adult size	upside backwards cutting	2.5 mm	10 cm
S35001	Antrum Punch - adult size	left side backwards cutting	2.5mm	10 cm
S35002	Antrum Punch - adult size	right side backwards cutting	2.5mm	10 cm

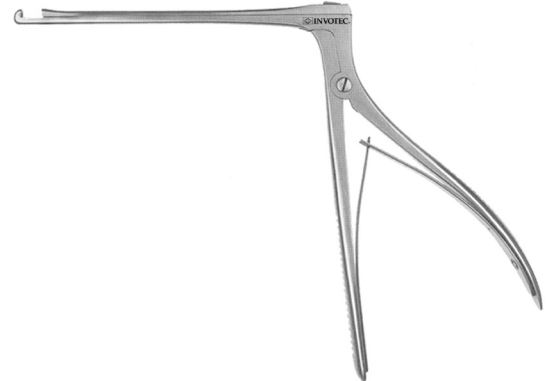


Number	Description	Bite	Working Length	
S35020	Antrum Punch - pediatric	upside backwards cutting	1.5 mm	10 cm
S35021	Antrum Punch - pediatric	left side backwards cutting	1.5 mm	10 cm
S35022	Antrum Punch - pediatric	right side backward cutting	1.5 mm	10 cm

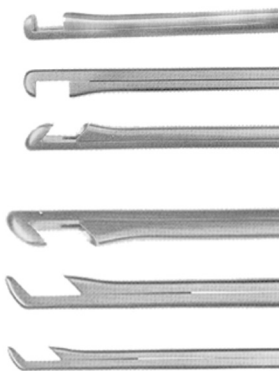

CIRCULAR CUTTING PUNCHES

Number	Description	Diameter	Working length	
S34935	Circular Cutting Punch cutting in a full circle of 360°	3.5 mm	18 cm	
S34945	Circular Cutting Punch cutting in a full circle of 360°	4.5 mm	18 cm	
S34965	Circular Cutting Punch cutting in a full circle of 360°	65° upturned	3.5 mm	17 cm
S34975	Circular Cutting Punch cutting in a full circle of 360°	4.5 mm	18 cm	





BIOPSY FORCEPS



Number	Description		Width	Working Length
S12001	HAJEK Sphenoid Punch	90° upbiting	4 mm	14 cm
S12002	HAJEK Sphenoid Punch	90° downbiting	4 mm	14 cm
S12201	HAJEK Sphenoid Punch	45° upbiting backward	4 mm	14 cm
S12202	HAJEK-KOFLER Sphenoid Punch	45° downbiting backward	4 mm x 4 mm	14 cm
S12301	HAJEK-KOFLER Sphenoid Punch	45° upbiting forward	4 mm x 4 mm	14 cm
S12302	HAJEK-KOFLER Sphenoid Punch bite 2mm x 2mm	45° upbiting forward	4 mm x 4 mm	14 cm



BEYER ANTRUM PUNCH



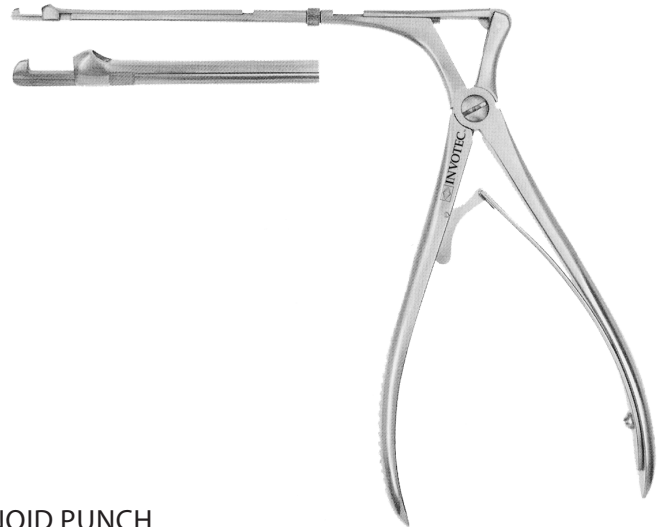
Number	Description		Width	Working Length
S12500	BEYER Antrum Punch	90° throughbiting upwards	2 mm	9 cm
S12600	BEYER Antrum Punch	90° throughbiting backward	2 mm	9 cm



HAJEK-KOFLER ROTATABLE SPHENOID PUNCH



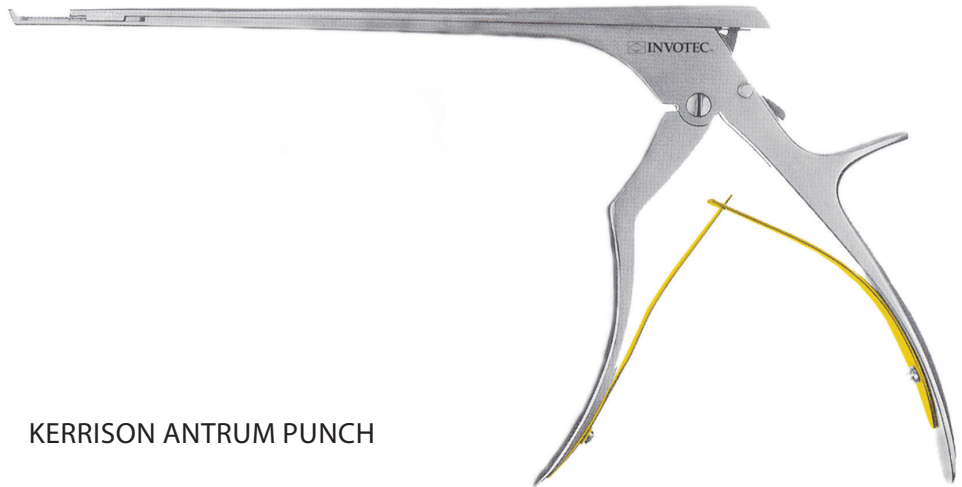
Number	Description	Working Length
S13000	Hajek-Kofler Sphenoid punch reversible 360° slender pattern	17 cm



ROTATABLE SPHENOID PUNCH



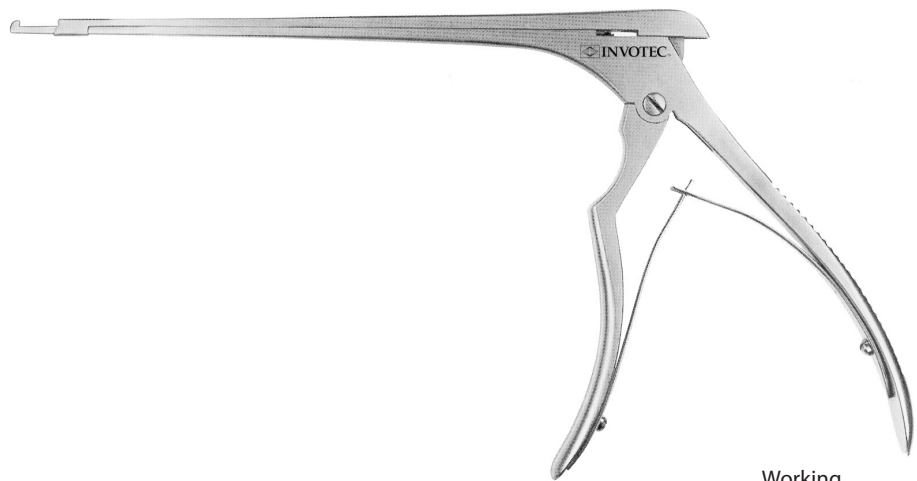
Number	Description	Bite	Working Length
S13100	Sphenoid punch reversible 360° throughcutting slender pattern	2 mm	14.5 cm



KERRISON ANTRUM PUNCH

Number	Description		Bite	Working Length
S12902	FS-Kerrison sphenoid punch	90° upbiting	2 mm	18 cm
S12903	FS-Kerrison sphenoid punch	90° upbiting	3 mm	18 cm

S12922	FS-Kerrison sphenoid punch	40° upbiting	2 mm	18 cm
S12923	FS-Kerrison sphenoid punch	40° upbiting	3 mm	18 cm



Number	Description		Bite	Working Length
S12402	Antrum punch	throughcutting	2 mm	18 cm
S12403	Antrum punch	throughcutting	3 mm	15 cm

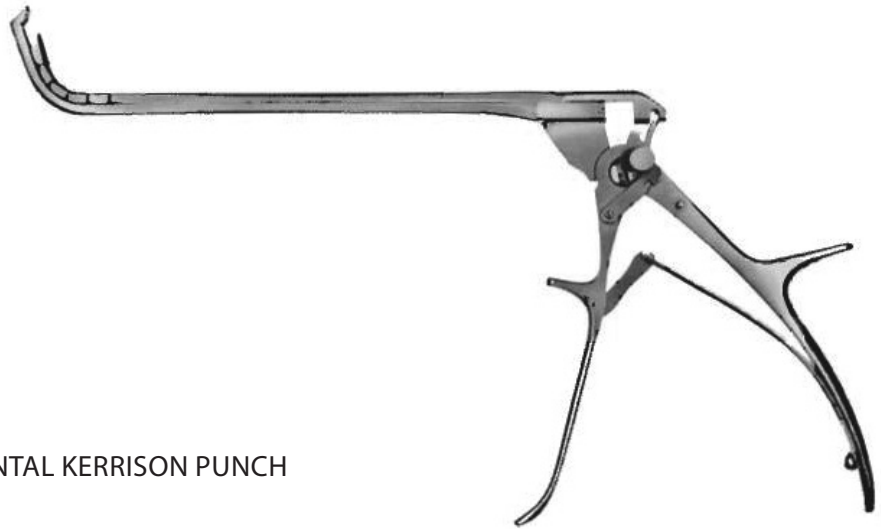
S13100	Sphenoid punch - slender pattern	reversible 360°	2 mm	14.5cm
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Number	Description
S12410	Stylet, for removal of the bone material from the deposit of S12402 and S12403

S12800	Ethmoid punch	backward cutting	2.5 mm	17 mm
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RHINS

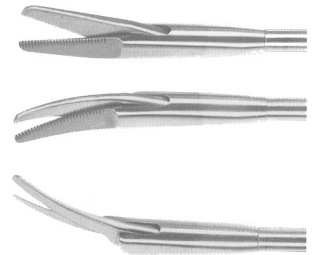
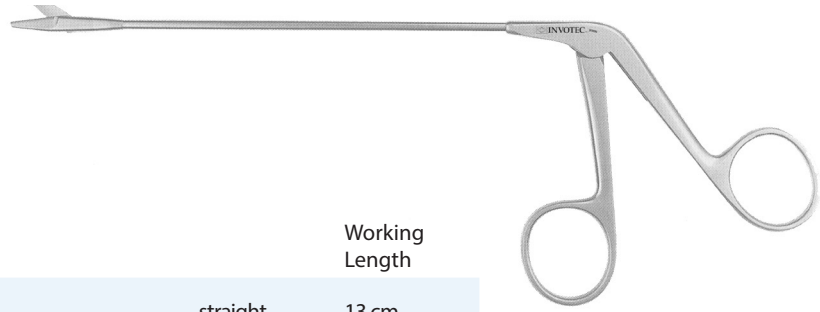


FRONTAL KERRISON PUNCH

Number	Description			Bite	Working Length
S12602	Frontal sinus punch	70° up	40° up biting forward	2 mm	17.5 cm
S12603	Frontal sinus punch	70° up	40° up biting forward	mm	17.5 cm

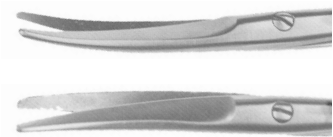
INTRANASAL SCISSORS

Number	Description				Working Length
S26200	Nasal scissors	serrated blades		straight	13 cm
S26201	Nasal scissors	serrated blades		curved left	13 cm
S26202	Nasal scissors	serrated blades		curved right	13 cm
S26210	Nasal scissors - small	serrated blades	3.5 mm	straight	12 cm
S26211	Nasal scissors - small	serrated blades	3.5 mm	curved right	12 cm
S26212	Nasal scissors - small	serrated blades	3.5 mm	curved left	12 cm



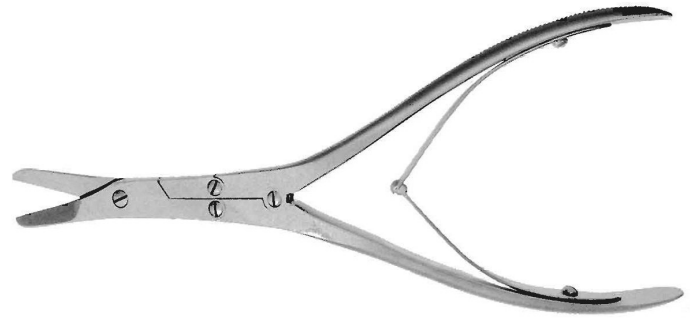
EYMANN NASAL SCISSORS

Number	Description				Working Length
S26000	Heymann nasal scissors	smooth blades		straight	9.5 cm
S26100	Heymann nasal scissors	serrated blades		straight	9.5 cm
S26101	Heymann nasal scissors	smooth blades		curved left	9.5 cm
S26102	Heymann nasal scissors	smooth blades		curved right	9.5 cm
S26009	Heymann nasal scissors	serrated blades		straight	small size 9 cm
S26011	Heymann nasal scissors	serrated blades		straight	small size 11 cm

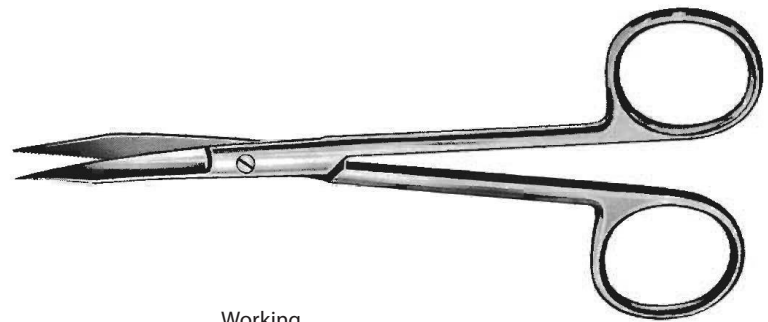


Number	Description			Working Length
S42000	BELLUCCI Scissors		straight	10 cm

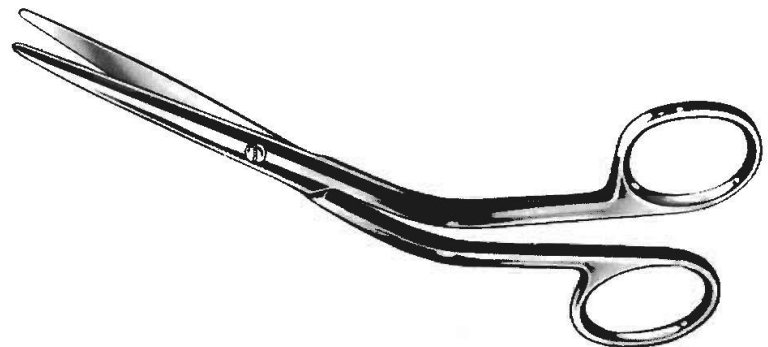




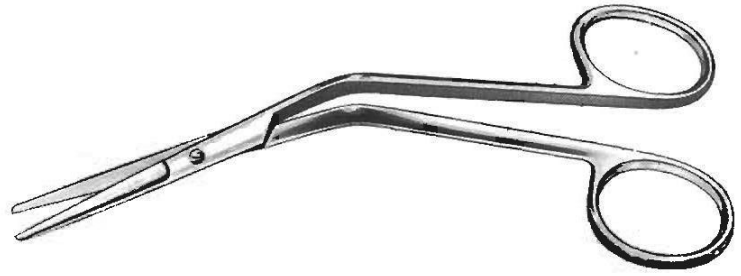
Number	Description		Working Length
R40700	Caplan septum scissors	straight	22 cm
R40600	Caplan septum scissors	angled	22 cm



Number	Description					Working Length
R68210	Goldman scissors	Fox	tenotomy	serrated	straight	13 cm
R68310	Goldman scissors	Fox	tenotomy	serrated	curved	13 cm
R68413	Goldman scissors	Fox	tenotomy	TC supercut	straight	13 cm
R68613	Goldman scissors	Fox	tenotomy	TC supercut	curved	13 cm



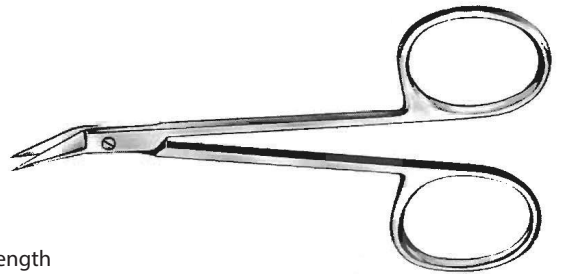
Number	Description		Working Length
R39100	Cottle dorsal scissors	angular	16 cm



Number	Description	Working Length
R39000	Fomon dorsal scissors angular delicate	13.5 cm

R39001	Fomon dorsal scissors angular standard pattern	13.5 cm
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R38612	Fomon lower lateral curved scissors	13.5 cm
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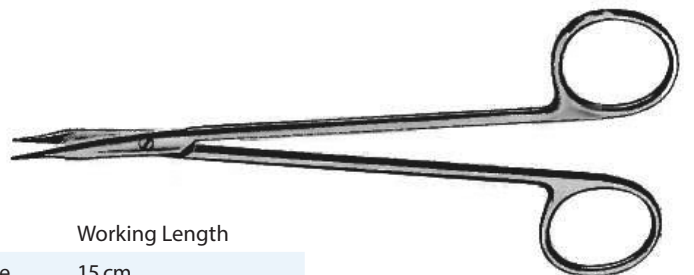


Number	Description	Working Length
R38410	Wilmer Angled sh/sh scissors	10 cm



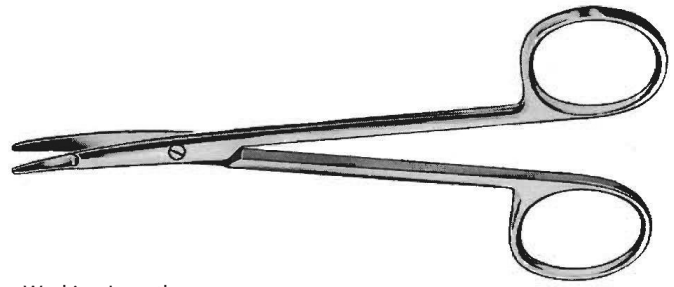
Number	Description	Working Length
R76514	Joseph scissors straight	14 cm

R76614	Joseph scissors curved	14 cm
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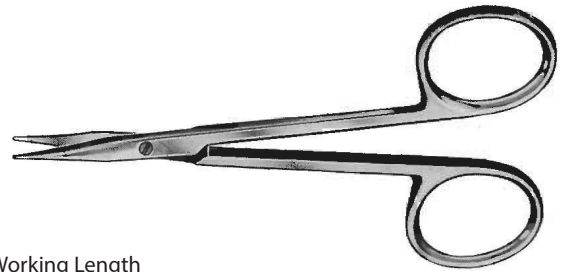


Number	Description	Working Length
R79615	Reynolds dissection scissors curved delicate	15 cm

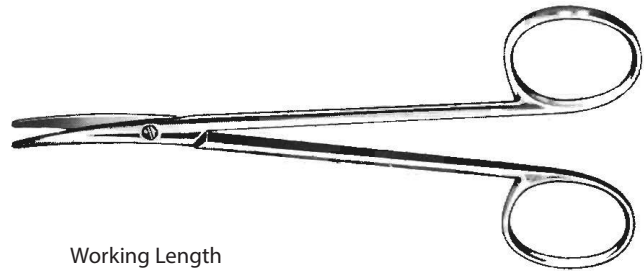
RHINS



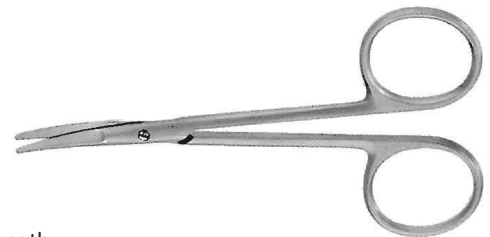
Number	Description	Working Length
R38712	Kilner (Ragnell) scissors curved flat tips	12 cm



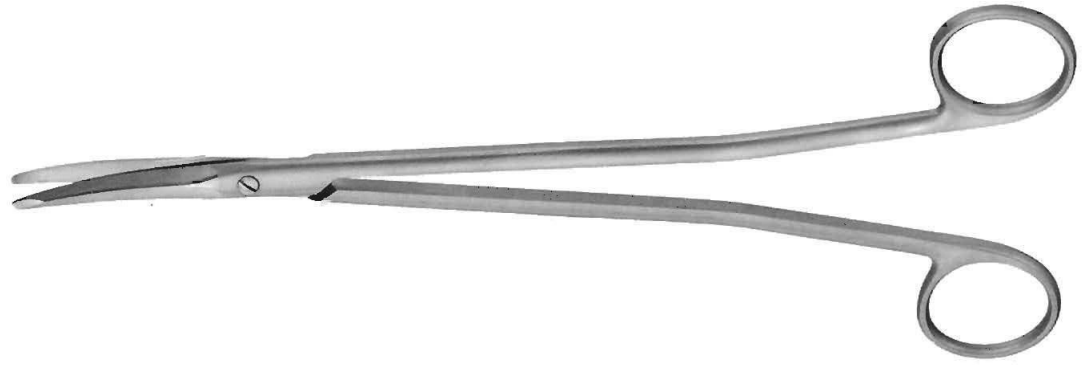
Number	Description	Working Length
R68210	Stevens Tenotomy scissors straight blunt	11.5 cm
R68310	Stevens Tenotomy scissors curved blunt	11.5 cm
R68411	Stevens Tenotomy scissors straight sharp	11.5 cm
R68410	Stevens Tenotomy scissors straight curved	11.5 cm



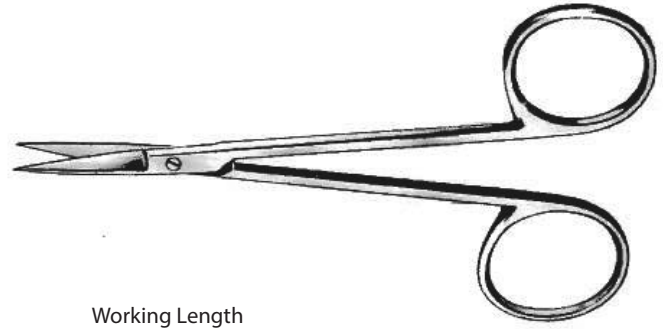
Number	Description	Working Length
R77010	Strabismus scissors blunt/blunt straight	10.5 cm
R77110	Strabismus scissors blunt/blunt curved	10.5 cm
R77212	Strabismus scissors blunt/blunt straight	11.5 cm
R77312	Strabismus scissors blunt/blunt curved	11.5 cm



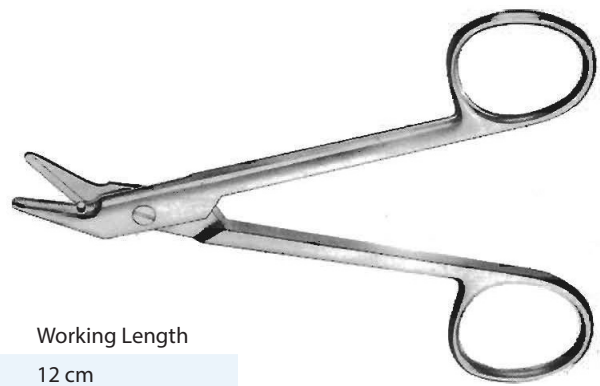
Number	Description	Working Length
R047712	Kaye Blepharoplasty scissors	11.5 cm



Number	Description	Working Length
R47519	Gorney facelift scissors	19 cm



Number	Description			Working Length
R77510	Iris scissors	sharp/sharp	straight	10.5 cm
R77610	Iris scissors	sharp/sharp	curved	10.5 cm
R77712	Iris scissors	sharp/sharp	straight	11.5 cm
R77812	Iris scissors	sharp/sharp	curved	11.5 cm



Number	Description	Working Length
R77901	Wire cutter universal	12 cm

RHINS



Number	Description	Working Length
R13000	Freer Mucosa knife "D"	15 cm



Number	Description	Diameter	Working Length
R19001	Ballenger swivel knife bayonet	3 mm	20 cm
R19002	Ballenger swivel knife bayonet	4 mm	20 cm
R65015	Ballenger swivel knife bayonet	5 mm	20 cm
R65003	Ballenger swivel knife straight	3 mm	20 cm
R65004	Ballenger swivel knife straight	4 mm	20 cm
R65005	Ballenger swivel knife straight	5 mm	20 cm



Number	Description	Working Length
S03000	Cottle nasal knife rounded edges	15 cm



Number	Description	Working Length
S32000	Masing nasal knife slight curve round tip	13 cm



Number	Description
R29003	#3 Knife Handle



R29007	#7 Knife Handle
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Number	Description	Working Length
R71065	Maltz cartilage knife angled	16 cm



Number	Description	Working Length
R353600	Fomon double-edge knife curved blunt tip	16 cm



Number	Description	Working Length
R34000	Joseph button-end knife straight	15 cm



R34100	Joseph-Converse button-end knife (Bistory) curved	15 cm
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R35000	Joseph nasal knife straight pointed tip	15 cm
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R35100	Joseph nasal knife curved pointed tip	15 cm
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R35200	Joseph nasal knife straight blunt tip	15 cm
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R35300	Joseph nasal knife curved blunt tip	15 cm
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R71060	Joseph angled cartilage knife (Hockey Stick)	15 cm
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JOSEPH NASAL SAW

Number		Working Length
R48100	straight	19 cm
R48001	bayonet	19 cm
R48002	bayonet	19 cm
R76022	bend to left	17 cm
R76021	bend to right	17 cm



FREER SEPTAL CHISEL

Number		Working Length
R20001	straight	16 cm
R20002	curved	16 cm



BALLENGER "V" SEPTAL GOUGE

Number	Width	Working Length
R60704	4 mm	16 cm
R60706	6 mm	16 cm
R60708	8 mm	16 cm



KILLIAN BAYONET NASAL GOUGE

Number	Working Length
R21000	17cm
R21100	17cm

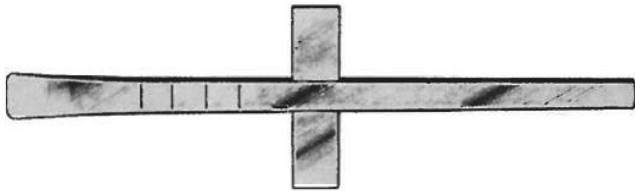


COTTLE OSTEOTOME

Number		Width	Working Length
R07004	graduated straight	4 mm	18 cm
R07007	graduated straight	7 mm	18 cm
R07009	graduated straight	9 mm	18 cm
R07012	graduated straight	12 mm	18 cm


COTTLE DOUBLE GUARDED OSTEOTOME

Number	Width	Working Length
R61516	16 mm	18 cm


COTTLE DOUBLE GUARDED OSTEOTOME

Number	Width	Working Length
R10516	cross bar	18 cm


RUBIN DOUBLE GUARDED OSTEOTOME

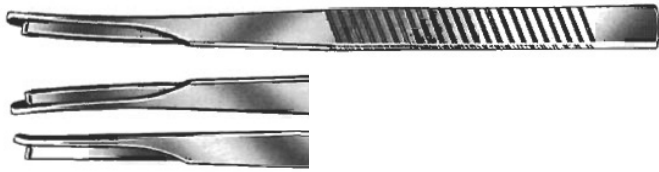
Number	Width	Working Length
R06010	10 mm	18 cm
R06012	12 mm	18 cm
R06014	14 mm	18 cm


CINELLI DOUBLE GUARDED OSTEOTOME

Number	Width	Working Length
R060510	10 mm	18 cm
R060512	12 mm	18 cm
R060514	14 mm	18 cm
R060516	16 mm	18 cm


FOMON SINGLE GUARDED CHISEL

Number	Width	Working Length
R63904	4 mm	17 cm
R63905	5 mm	17 cm
R63906	6 mm	17 cm
R63907	7 mm	17 cm



MASING SINGLE GUARDED CHISEL

Number		Working Length
R10000	straight	17.5 cm
R10001	curve left	17.5 cm
R10002	curve right	17.5 cm



CONVERSE SINGLE GUARDED OSTEOTOME

Number		Working Length
R07900	straight	19 cm
R07901	left	19 cm
R07902	right	19 cm



SILVER SINGLE GUARDED OSTEOTOME

Number	Width	Working Length
S12500	straight	18 cm
S12501	left	18 cm
S12502	right	18 cm



NEIVERT SINGLE GUARDED OSTEOTOME

Number		Working Length
R12000	straight	20 cm
R12001	curved	20 cm
R12002	curved	20 cm



WEST CHISEL

Number	Width	Working Length
R11000	4 mm	18 cm

RHINS


WEST GOUGE

Number	Width	Working Length
R11100	4 mm	18 cm

MINI OSTEOTOME

Number	Width	Working Length
R07602	2 mm	18 cm
R07603	3 mm	18 cm



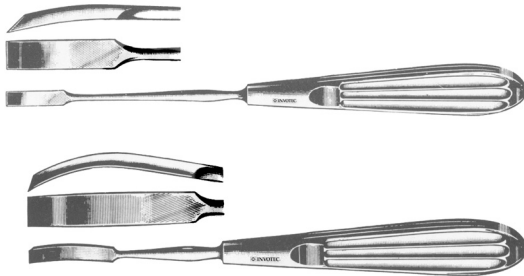
FREER ELEVATOR

Number	Description		Working Length
N15000	double-ended	USA Model	20 cm
R15100	double-ended	sharp/blunt	18 cm



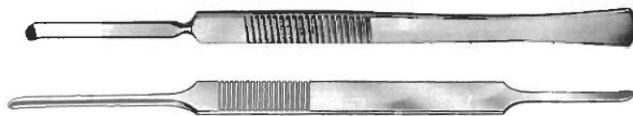
GORNEY SUCTION ELEVATOR

Number	Description		Working Length
S05800	Elevator styllet	3mm tip	19 cm



LEMPERT JOSEPH ELEVATOR

Number	Description	Width	Working Length
R26052	straight	2 mm	20 cm
R26057	straight	3 mm	20 cm
R26058	curved	3 mm	20 cm
R26070	wide	6 mm	20 cm
R26071	wide	6 mm	18 cm



MCKENTY ELEVATOR

Number	Description	Width	Working Length
R02004	single ended	4 mm	14.5 cm
R02005	single ended	5 mm	14.5 cm
R02500	double-ended		21.5 cm



KILLIAN SEPTUM ELEVATOR

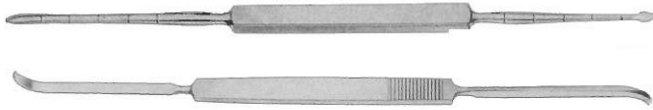
Number	Description		Working Length
R16000	sharp/blunt	short	18 cm
R16100	sharp/blunt	long	22cm



MASING ELEVATOR

Number	Description		Working Length
R05000	double-ended graduated	sharp/blunt	21.5 cm

COTTLE ELEVATORS



Number	Description	Working Length
R04500	double-ended, graduated blunt	21 cm
R05500	tunneling elevator	23 cm

PIERCE ELEVATOR



Number	Description	Working Length
R35821	double ended right - left	21 cm

PENNINTON ELEVATOR



Number	Description	Working Length
R05600	double-ended right/left	21 cm

SEWALL ANTRUM

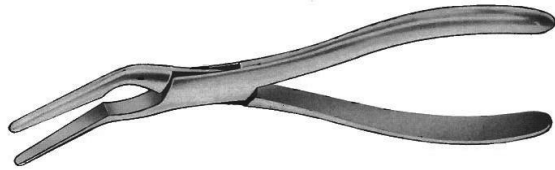


Number	Description	Working Length
R18000	Antrum elevator	19.5 cm

PROBES

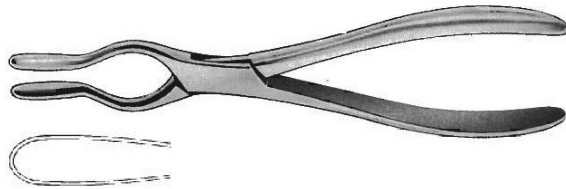


Number	Description	Working Length
S18725	Frontal sinus ostium seeker double-ended curved	19 cm
S18619	Maxillary sinus ostium seeker double-ended ball	19 cm



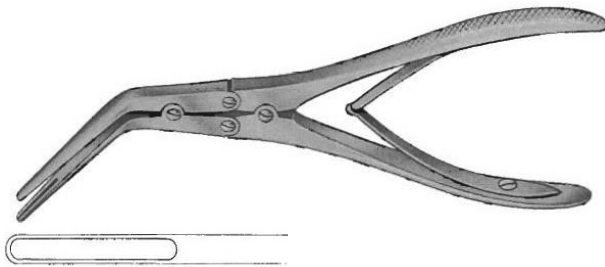
ASCH SEPTUM STRAIGHTENING FORCEPS

Number	Description	Working Length
R45000	Straightening forceps	23cm



COTTLE-WALSHAM STRAIGHTENING FORCEPS

Number	Description	Working Length
R44000	Septum straightening forceps both sides	23 cm
R44101	Septum straightening forceps left	23 cm
R44102	Septum straightening forceps right	23 cm



KRESSNER TURBINATE CRUSHING FORCEPS

Number	Description	Working Length
R47003	Crushing forceps 2.5 x 60 mm	20 cm
R47004	Crushing forceps 4 x 70 mm	20 cm
R47005	Crushing forceps 5 x 75 mm	20 cm



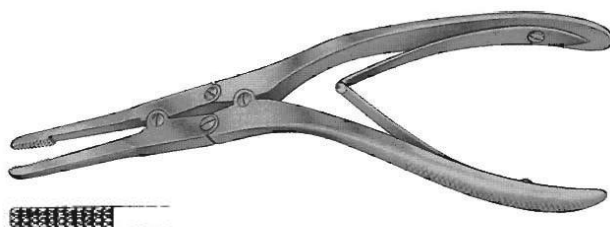
BOISE NASAL FRACTURE ELEVATOR

Number	Description	Working Length
R61000	"Butter Knife" blunt, oval	18 cm



GOLDMAN SEPTUM DISPLACER

Number	Description	Working Length
R61100	Septum displacer short	20 cm



RUBIN SEPTUM MORCELIZER

Number	Description	Working Length
R42000	Rubin septum morcelizer double action	20 cm
R76570	Guard for Rubin septum morcelizer	



JANSON MIDDLETON DOUBLE ACTION FORCEPS

Number	Description	Working Length
R35600	Double action through-cut septal forceps	19 cm
R35500	Double action oval spoon nasal forceps	19 cm



STRUYCHEN THROUGH-CUT FORCEPS

Number	Description	Working Length
S27500	small through-cut forceps,	11 cm
S27501	large through-cut forceps,	11 cm



ANTRUM CURETTE



Number	Description			Working Length
S18001	Oval	size 1		19 cm
S18002	Oval	size 2		19 cm
S18003	Oval	size 3		19 cm
S18101	Round	small size		19 cm
S18102	Oblong	small size		19 cm
S18103	Oblong	large size		19 cm
S18203	Oblong	small size	forward cutting	19 cm
S18204	Oblong	small size	backward cutting	19 cm

SINUS FRONTAL CURETTE

Number	Description			Working Length
S18104	Oblong	small size	55° curved	19 cm
S18105	Oblong	small size	90° curved	19 cm



HALLE ANTRUM CURETTE



Number	Description			Working Length
S06001	malleable	size 1		21 cm
S06002	malleable	size 2		21 cm
S06003	malleable	size 3		21 cm

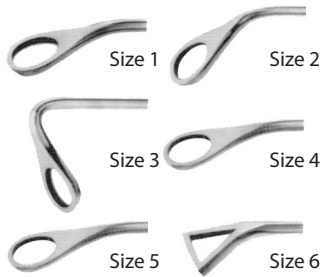
ANTRUM CURETTE



Number	Description		Working Length
S06101	curved left		21 cm
S06102	curved right		21 cm



COAKLEY ANTRUM CURETTE



Number	Description	Working Length
S03001	size 1	17 cm
S03002	size 2	17 cm
S03003	size 3	17 cm
S03004	size 4	17 cm
S03005	size 5	17 cm
S03006	size 6	17 cm

FAULKNER ANTRUM CURETTE

Number	Description
S04000	Double ended



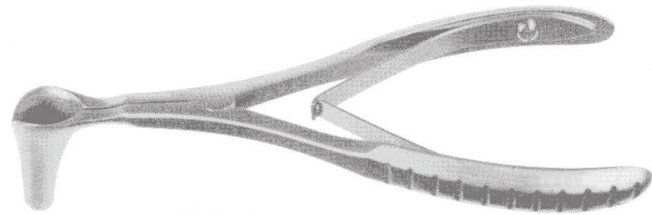
TIECK-HALLE NASAL SPECULUM

Number	Description	Working Length
S40000	For infants	13.5 cm
S43001	For adults	13.5 cm



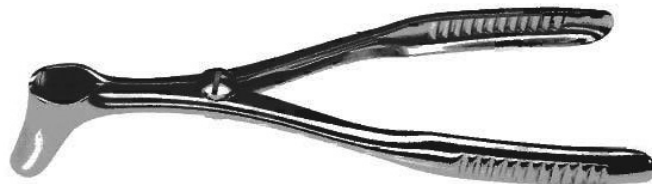
BECKMAN ENDAURAL SPECULUM

Number	Description	Working Length
S06501	Small	15 cm
S06502	Medium	15 cm
S06503	Large	15 cm



HARTMANN NASAL SPECULUM

Number	Description	Working Length
S43001	Large 35 mm	13.5 cm



HARTMANN-HALLE NASAL SPECULUM

S41001	Size 1	15 cm
S41002	Size 2	15 cm
S41003	Size 3	15 cm



HARTMANN ECONOMY

Number	Description	Working Length
S43500	Office nasal speculum	14 cm

VIENNA NASAL SPECULUM

Number	Description	Working Length
S41601	Small	14.5 cm
S41602	Medium	14.5 cm
S41603	Large	14.5 cm



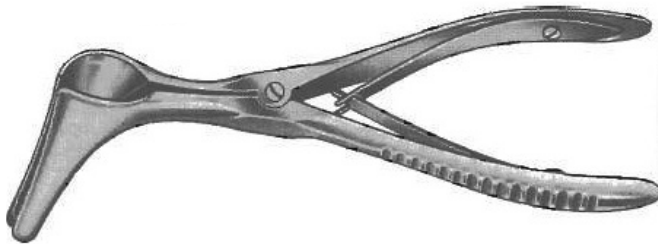
COTTLE NASAL SPECULUM WITH SET SCREW

Number	Description	Working Length
S00001	35 mm	15 cm
S00002	50 mm	15 cm
S00003	75 mm	15 cm
S00004	90 mm	15 cm



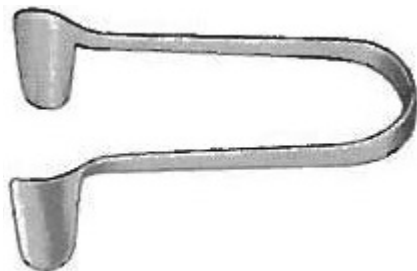
COTTLE NASAL SPECULUM WITHOUT SET SCREW

Number	Description	Working Length
S00101	35 mm	15 cm
S00102	50 mm	15 cm
S00103	75 mm	15 cm
S00104	90 mm	15 cm



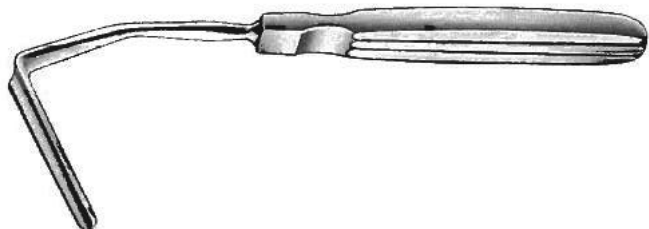
KILLIAN NASAL SPECULUM

Number	Description	Working Length
S42001	35 mm	13 cm
S42002	50 mm	13 cm
S42003	75 mm	13 cm
S42004	90 mm	13 cm



THUDICHUM (GOLDSMITH) SPRING NASAL SPECULUM

Number	Description
S41301	# 1
S41302	# 2
S41303	# 3



AUFRECHT NASAL RETRACTOR

Number	Description	Working Length
R22500	60 mm blade	16 cm
R22600	45 mm blade	16 cm

COTTLE ALAR RETRACTOR



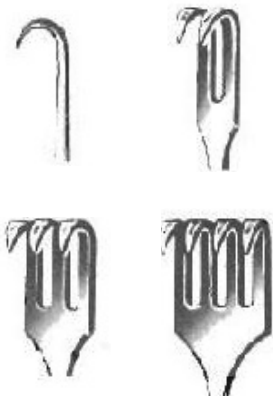
Number	Description	Working Length
R19000	Vein retractor	15 cm
R19500	Vein retractor	15 cm


SENN RETRACTOR


Number	Description	Working Length
R65000	Sharp retractor	16 cm
R65100	Dull retractor	16 cm


REGNELL-DAVIS RETRACTOR

Number	Description	Working Length
R12514	Retractor	14 cm


PLASTICS RAKES


Number	Description	Working Length
R67004	Sharp retractor 4 prong	16 cm
R67003	Sharp retractor 3 prong	16 cm
R67002	Sharp retractor 2 prong	16 cm
R67001	Sharp retractor 1 prong	16 cm

Number	Description	Working Length
R68004	Dull retractor 4 prong	16 cm
R68003	Dull retractor 3 prong	16 cm
R68002	Dull retractor 2 prong	16 cm
R68001	Dull retractor 1 prong	16 cm

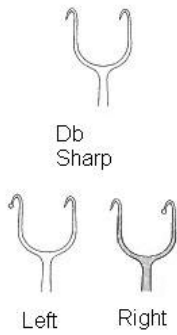

COTTLE RETRACTOR

Number	Description	Working Length
R18000	Retractor with 4 prong blunt, middle two teeth shortened	14 cm



COTTLE TENACULUM HOOK

Number	Description	Working Length
R15000C	delicate angled	16 cm
R151000	delicate curved	16 cm



COTTLE NARES DOUBLE HOOK

Number	Description	Working Length
R16000	Sharp on Left, dull on right double hook	14 cm
R16100	Sharp on Right, dull on left double hook	14 cm
R16200	Sharp double hook	14 cm



COTTLE-NEIVERT KNIFE GUIDE/NARES DOUBLE BALL HOOK

Number	Description	Working Length
R20000	Large double ball hook/knife guide	20 cm



NEIVERT-MASING KNIFE GUIDE AND NARES RETRACTOR

Number	Description	Working Length
R20500	Knife guide and nares retractor	20 cm



FOMON DOUBLE BALL NASES HOOK

Number	Description	Working Length
R16600	Double ball nases hook 10 mm wide	16 cm,



CONVERSE DOUBLE END HOOK

Number	Description	Working Length
R24200	Alar double hook	12 cm



KILNER ALAR DOUBLE HOOK RETRACTOR

Number	Description	Working Length
R24300	double hook retractor	8 cm

COTTLE (MILLIARD) DOUBLE HOOK THIMBLE RETRACTOR



Number	Description
R22800	double hook thimble retractor



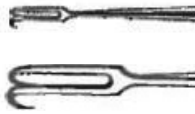
FREER-GUTHRIE MICRO DOUBLE HOOK

Number	Description	Working Length
R16400	Micro double hook sharp	15 cm





JOSEPH DOUBLE HOOK



Number	Description	Working Length
R16502	2 mm	16 cm
R16505	5 mm	16 cm
R16507	7 mm	16 cm
R16510	10 mm	16 cm



NERVE HOOK

Number	Description	Working Length
R61301	Blunt hook	18 cm



VOLKMAN BONE HOOK

Number	Description	Working Length
R05701	Sharp bone hook	21.5 cm

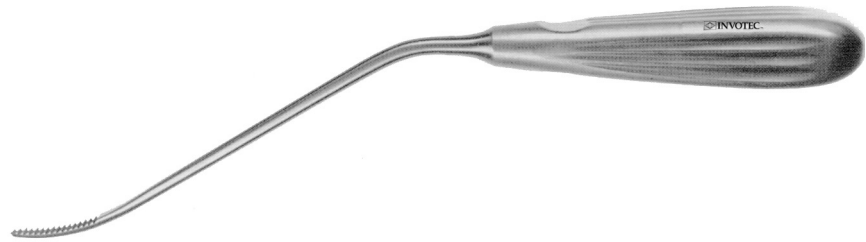


WEINER ANTRUM RASP

Number	Description	Working Length
R08101	Sharp rasp	18 cm



Number	Description	Working Length
R08102	Dull rasp	18 cm



WATSON-WILLIAMS ANTRUM RASP

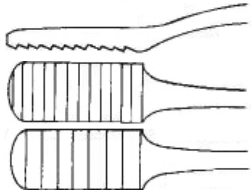
Number	Description	Working Length
R08500	Antrum Rasp	23 cm



FRONTAL SINUS RASP

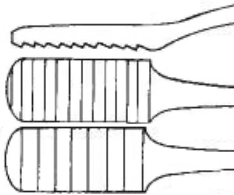
Number	Description	Working Length
R18110	Frontal Sinus Rasp	strong pattern
R18111	Frontal Sinus Rasp	slender pattern





LEWIS "SWEEPER" RASP

Number	Description			Working Length
R56600	Rasp "Sweeper"	Downcut	fine	18 cm
R56700	Rasp "Sweeper"	Downcut	coarse	18 cm



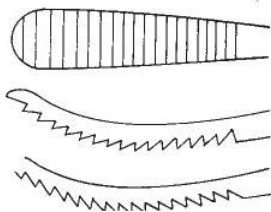
LEWIS "SWEEPER" TC RASP

Number	Description			Working Length
R36501	TC rasp "Sweeper"	Downcut	fine	18 cm
T36502	TC rasp "Sweeper"	Downcut	coarse	18 cm



COTTLE DOWNCUT RASP

Number	Description	Working Length
R54000	Downcut rasp	21 cm



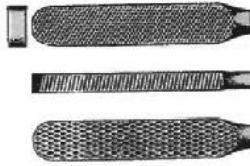
AUFRICHT CURVED GLABELLA RASP

Number	Description	Working Length
R54500	Push up cut rasp	21 cm
R54600	Pull down cut	21 cm



MALTZ SLOTTED RASP

Number	Description	Working Length
R53500	Slotted rasp	18 cm

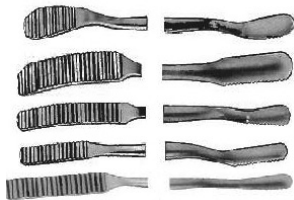


MASING - FOMON DOUBLE ENDED NASAL RASP

Number	Description	Working Length
R53000	Double ended nasal rasp # 1 & 2	21 cm
R53100	Double ended nasal rasp # 3 & 4	21 cm



MILLER-COLBURN DOUBLE ENDED NASAL RASP



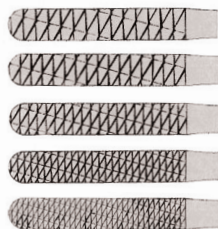
Number	Description	Working Length
R38001	Double ended nasal rasp Serrated Glabella	19 cm
R38002	Double ended nasal rasp Serrated fine wide curved	19 cm
R38003	Double ended nasal rasp Serrated coarse wide straight	19 cm
R38004	Double ended nasal rasp Serrated coarse short	19 cm
R38005	Double ended nasal rasp Serrated coarse wide straight	19 cm



Number	Description	Working Length
R38101	Double ended nasal rasp cross hatched Glabella	19 cm
R38102	Double ended nasal rasp cross hatched fine wide curved	19 cm
R38103	Double ended nasal rasp cross hatched coarse wide straight	19 cm
R38104	Double ended nasal rasp cross hatched coarse short	19 cm
R38105	Double ended nasal rasp cross hatched coarse wide straight	19 cm



FOMON DOUBLE ENDED RASP



Number	Description	Working Length
R52001	Double ended TC rasp # 1 & 2 xfine - fine	20 cm
R52002	Double ended TC rasp # 3 & 4	20 cm
R52003	Double ended TC rasp # 5 & 6	20 cm
R52004	Double ended TC rasp # 7 & 8	20 cm
R52005	Double ended TC rasp # 9 & 10 coarse - xcoarse	20 cm



COTTLE NASAL TC RASP



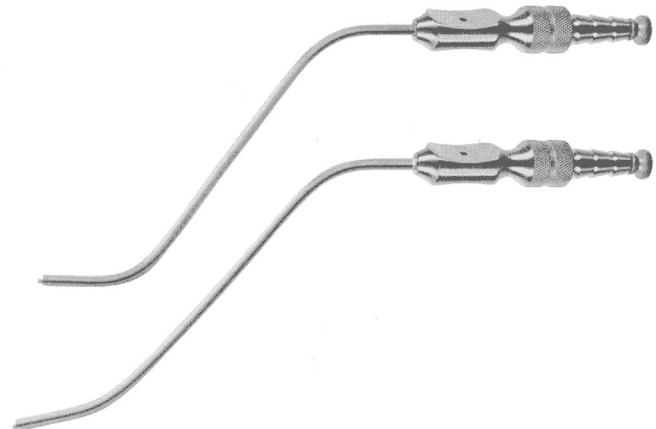
Number	Description	Working Length
R39221	TC rasp downcut medium	21 cm



V. EICKEN SINUS ANTRUM CANNULA



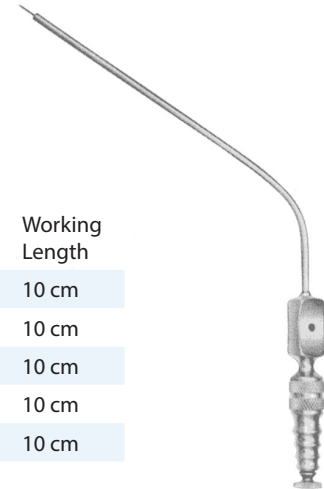
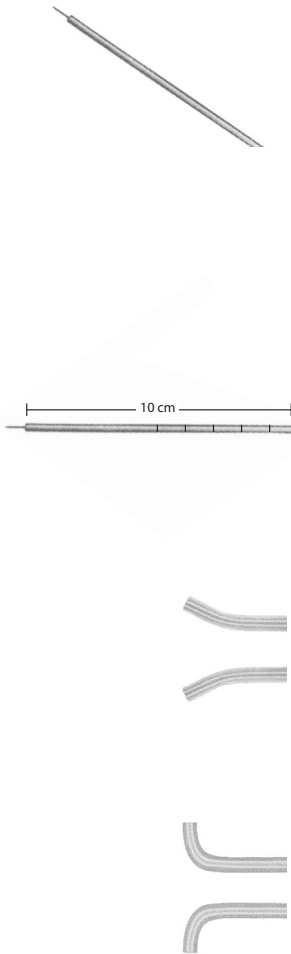
Number	Description		Outer diameter	Working Length
S49602	Long curved	LUER-Lock	2.5mm	12 cm
S49603	Long curved	LUER-Lock	3 mm	12 cm
S49604	Long curved	LUER-Lock	4 mm	12 cm
S49612	Short curved	LUER-Lock	2.5 mm	12 cm
S49613	Short curved	LUER-Lock	3 mm	12 cm
S49614	Short curved	LUER-Lock	4 mm	12 cm
S49702	Long curved	Malleable	2.5 mm	12 cm
S49703	Long curved	Malleable	3.0 mm	12 cm
S49704	Long curved	Malleable	4.0 mm	12 cm



KAHN-FRAZIER FRONTAL SINUS SUCTION

Number	Description	Inner ID	Shaft	Size	Working Length
S11610	Frontal Sinus Suction Tube with cut-off hole	10 Fr	malleable	1	slightly curved 15 cm
S11710	Frontal Sinus Suction Tube with cut-off hole	10 Fr	malleable	2	strongly curved 15 cm

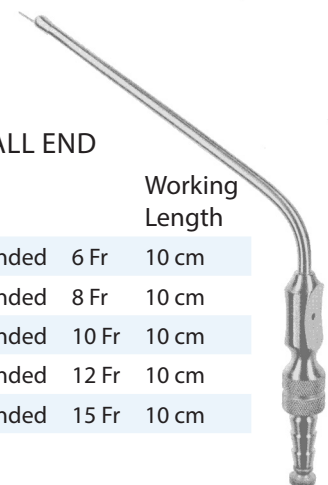
FRAZIER/FERGUSON NASAL STYLE



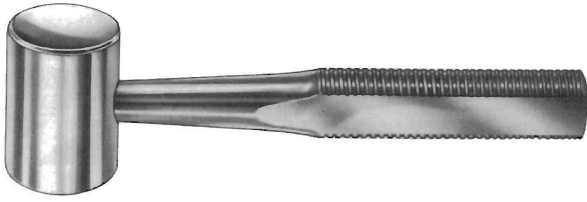
Number	Description			Working Length
S43006	Frazier suction tube	Stainless	6 Fr	10 cm
S10008	Frazier suction tube	Stainless	8 Fr	10 cm
S10010	Frazier suction tube	Stainless	10 Fr	10 cm
S10012	Frazier suction tube	Stainless	12 Fr	10 cm
S10015	Frazier suction tube	Stainless	15 Fr	10 cm

Number	Description			Working Length
S11006	FRAZIER Suction Tube with calibrations		marked at 5 cm - 9 cm	6 Fr 10 cm
S11008	FRAZIER Suction Tube with calibrations		marked at 5 cm - 9 cm	8 Fr 10 cm
S11010	FRAZIER Suction Tube with calibrations		marked at 5 cm - 9 cm	10 Fr 10 cm
S11210	Frazier suction tube	stainless	slightly curved right	10 Fr 10 cm
S11212	Frazier suction tube	stainless	slightly curved right	12 Fr 10 cm
S11310	Frazier suction tube	stainless	slightly curved left	10 Fr 10 cm
S11312	Frazier suction tube	stainless	slightly curved left	12 Fr 10 cm
S11410	Frazier suction tube	stainless	strongly curved right	10 Fr 10 cm
S11412	Frazier suction tube	stainless	strongly curved right	12 Fr 10 cm
S11510	Frazier suction tube	stainless	strongly curved left	10 Fr 10 cm
S11512	Frazier suction tube	stainless	strongly curved left	12 Fr 10 cm

FRAZIER/FERGUSON NASAL STYLE WITH BALL END

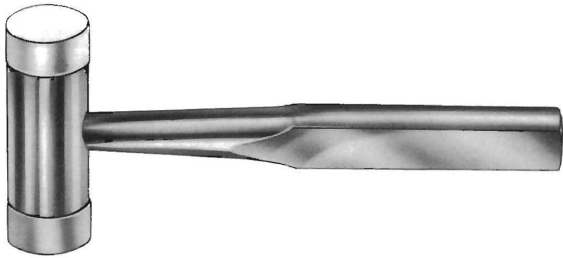


Number	Description			Working Length
S10016	Frazier suction tube	stainless	ball ended	6 Fr 10 cm
S10018	Frazier suction tube	stainless	ball ended	8 Fr 10 cm
S10020	Frazier suction tube	stainless	ball ended	10 Fr 10 cm
S10022	Frazier suction tube	stainless	ball ended	12 Fr 10 cm
S10025	Frazier suction tube	stainless	ball ended	15 Fr 10 cm



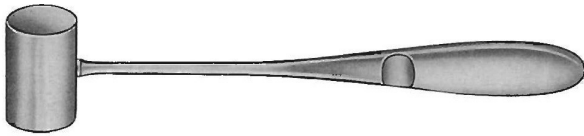
COTTLE MALLET

Number	Description	Weight	Working Length
R13000	Mallet	240 g	19 cm



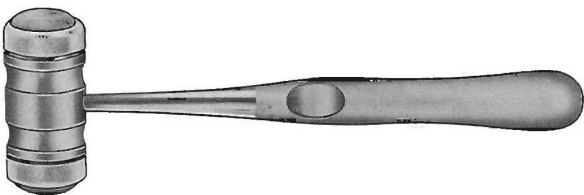
MALLET WITH NYLON CAPS

Number	Description	Weight	Working Length
R13500	Mallet with replaceable nylon caps	140 g	18 cm
R13501	Nylon facings for S13500 mallet, 1 pair		



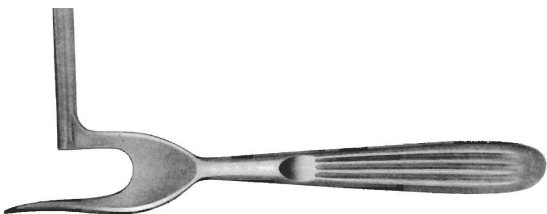
THEISS MINI MALLET

Number	Description	Weight	Working Length
R53516	Mini mallet	140 g	16.5 cm



TARDY TYPE MALLET

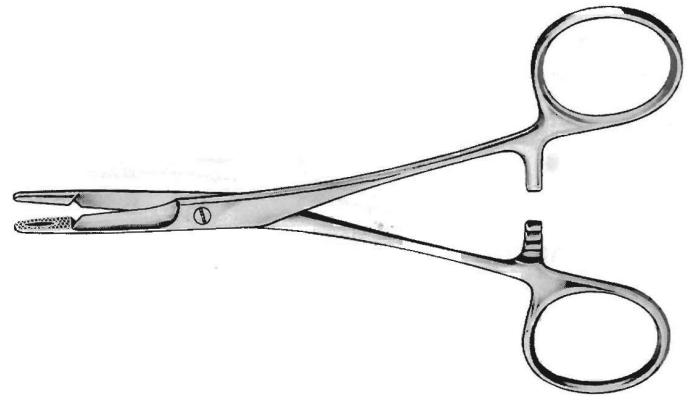
Number	Description	Weight	Working Length
R528320	Rhinoplasty mallet	320 g	17 cm
R528321	Nylon Facing for Tardy, 1 Pair		



QUISLING INTRANASAL HAMMER

Number	Description
R413900	Quisling Intranasal hammer

RHINS



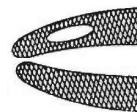
OLSEN-HEGAR NEEDLE HOLDER SCISSORS

Number	Description	Working Length
R14614	Needle holder scissors	14 cm
R14618	Needle holder scissors	17 cm
R15019	Needle holder scissors	19 cm



GILLIES CURVED

Number	Description	Working Length
R15516	Hand grasped needle holder/scissors	16 cm



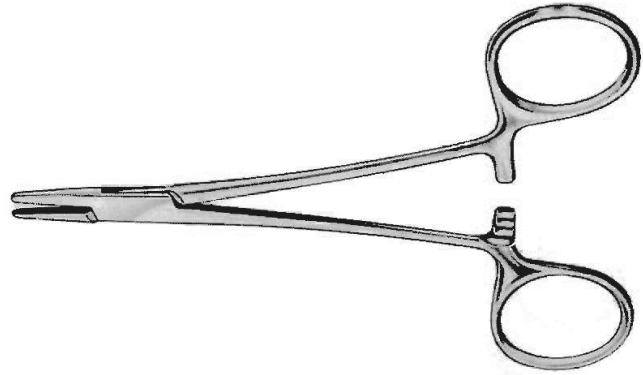
DERF NEEDLE HOLDER

Number	Description	Material	Tip	Working Length
R05012	Needle Holder	stainless	serrated	12 cm
R05012T	Needle Holder	TC	serrated	12 cm



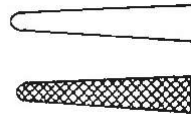
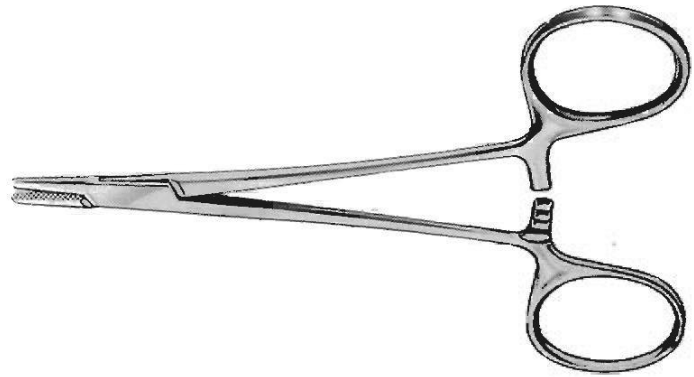
WEBSTER NEEDLE HOLDER

Number	Description			Working Length
R06013	Needle holder	smooth	Stainless	13 cm
R46013	Needle holder	smooth	TC	13 cm



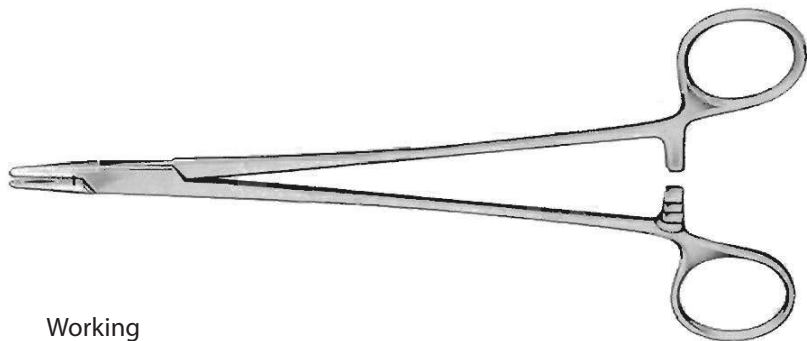
HALSEY NEEDLE HOLDER

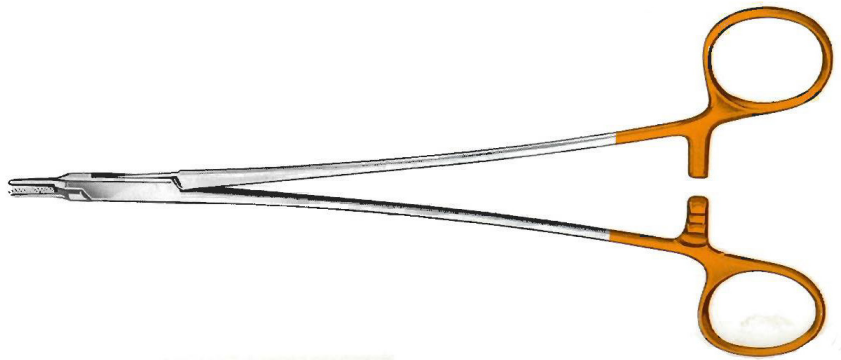
Number	Description			Working Length
R06413	Needle holder	serrated	stainless	13 cm
R46613	Needle holder	serrated	TC	13 cm
R06613	Needle holder	smooth	stainless	13 cm
R46413	Needle holder	smooth	TC	13 cm



CRILE NEEDLE HOLDER

Number	Description			Working Length
R07015	Needle holder	jaw slot	stainless	15 cm
R47015	Needle holder	jaw slot	TC	15 cm
R07215	Baby needle holder	no slot	stainless	15 cm
R46815	Baby needle holder	no slot	TC	15 cm





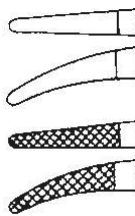
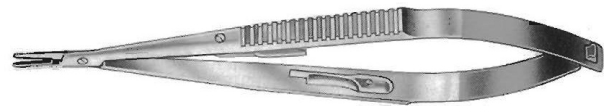
RYDER NEEDLE HOLDER

Number	Description		Working Length
R43413	Fine tipped needle holder	TC	13 cm
R43415	Fine tipped needle holder	TC	15 cm



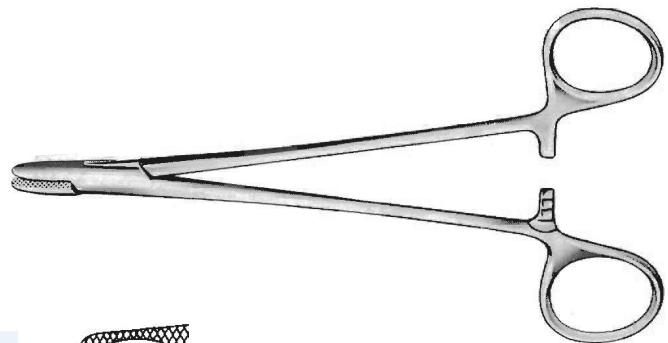
CASTROVIEJO NEEDLE HOLDER

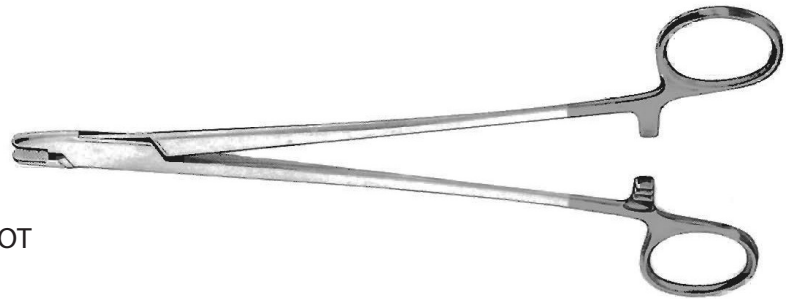
Number	Description			Working Length
R30452	Needle TC holder	straight	smooth	18 cm
R30453	Needle TC holder	curved	smooth	18 cm
R30450	Needle TC holder	straight	serrated	18 cm
R30451	Needle TC holder	curved	serrated	18 cm



WIRE TWISTERS

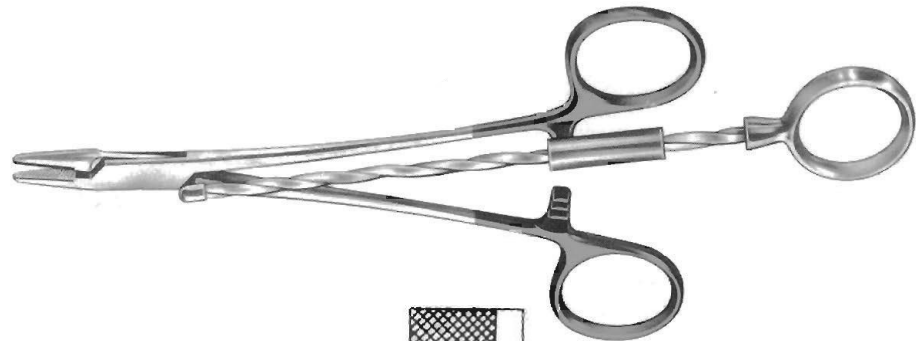
Number	Description	Working Length
R0917	MGH Stubby Serrated with Jaw slot	17 cm





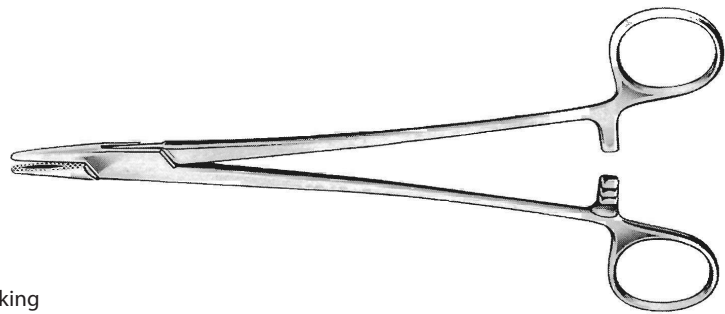
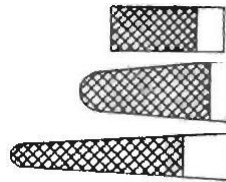
STERUM STUBBY SERRATED WITH JAW SLOT

Number	Description	Working Length
R53353416	Sterum Stubby TC	12.5 cm
R53353918	Sterum Stubby TC	18 cm



CORWIN FLAT TIP

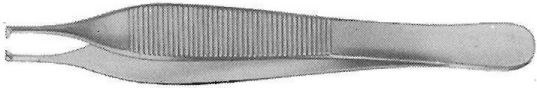
Number	Description	
R55601	Finger ring wire twister	flat end
R55602	Finger ring wire twister	round end
R55603	Finger ring wire twister	oblong end



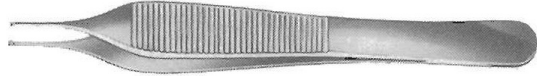
MAYO HEGAR NEEDLE HOLDER

Number	Description		Working Length
S14016	Needle holders	stainless	16 cm
S14018	Needle holders	stainless	18 cm
S14020	Needle holders	stainless	20 cm
R40016	Needle holders with TC Inserts	stainless	16 cm
R40018	Needle holders with TC Inserts	stainless	18 cm
R40020	Needle holders with TC Inserts	stainless	20 cm

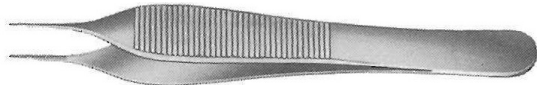




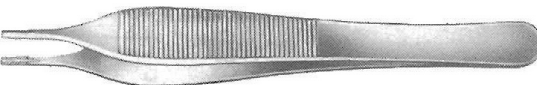
Number	Description	Working Length
R25212	Adson with teeth Standard 1x2	12 cm



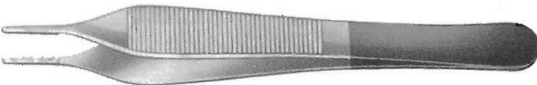
Number	Description	Working Length
R110/12	Micro Adson with teeth 1x2	12 cm



Number	Description	Working Length
R25112	Adson without teeth	12 cm



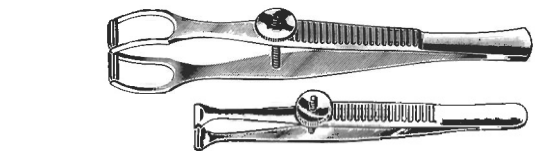
Number	Description	Working Length
R25312	Micro Adson without teeth	12 cm



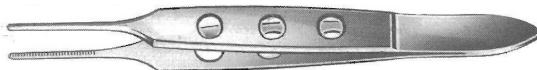
Number	Description	Working Length
R25012	Brown adson	12 cm



Number	Description	Working Length
R25612	Adson pickups TC inserts w/o teeth	12 cm



R25712	Adson pickups TC inserts 1x2 teeth	12 cm
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Number	Description	Working Length
R76004	Jewelers forceps straight #4	11 cm
R76005	Jewelers forceps straight #5	11 cm



Number	Description	Tip	Working Length
R04701	Castroviejo forceps 1x2 teeth	.12 mm	12 cm



Number	Description	Pattern	Working Length
R01000	Cottle columella forceps	standard	10.5 cm
R01100	Cottle columella forceps	child/small	8.5 cm



Number	Description	Working Length
R04210	Bishop Harmon fine tissue forceps serrated	8.5 cm
R04212	Bishop Harmon fine tissue forceps 1x2 teeth	8.5 cm



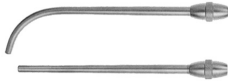
R04211	Bishop Harmon delicate fine tissue forceps serrated	8.5 cm
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R04213	Bishop Harmon delicate fine tissue forceps 1x2 teeth	8.5 cm
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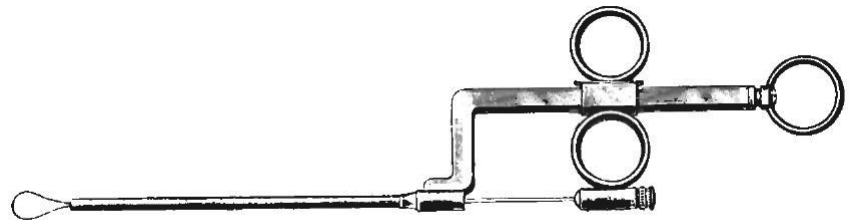
Number	Description	Working Length
R27015	Cottle fixation forceps with teeth bayonete with fix screw	



UNIVERSAL ATOMIZER KABIERSKE

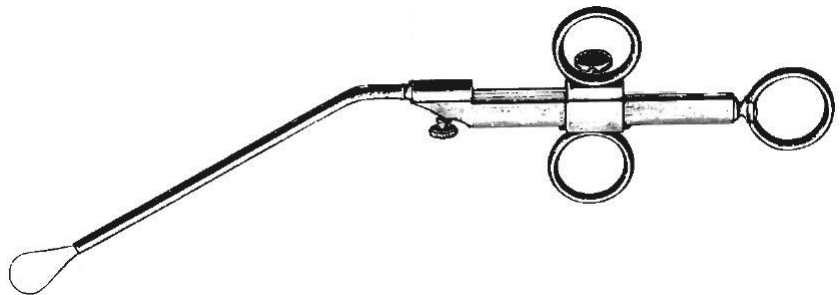


Number	Description
O22810	Universal atomizer Kabierske (S40100)



POLYP SNARES AND ACCESSORIES

Number	Description	Working Length
S11500	Wild nasal polyp snare	24 cm



NASAL POLYP SNARE KRAUSE

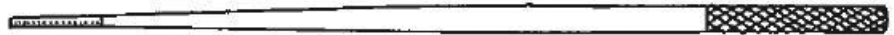
Number	Description	Working Length
S61520	Nasal polyp snare Krause	26 cm



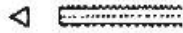
FRONTAL SINUS RASP



Number	Description	Working Length
S61540	Polyp snare wires precut 12 each	.3 mm
S21042	Polyp snare wire coil	
S21043	Polyp snare wire coil	



APPLICATORS



Number	Description			Working Length
S12116	Farrell applicator	triangular	0.9 mm	14 cm
S11513	Farrell applicator	twist tip	1.1 mm	14 cm



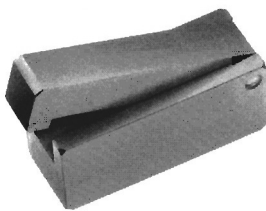
GROVED DIRECTOR

Number	Description	Working Length
S91511	Groved director	14 cm



BOWMAN LACRIMAL PROBES SILVER

Number	Description		Working Length
S03400	Bowman silver probes	0000/00	12.5 cm
S03401	Bowman silver probes	00/0	12.5 cm
S03402	Bowman silver probes	0/1	12.5 cm
S03404	Bowman silver probes	1/2	12.5 cm
S03406	Bowman silver probes	2/3	12.5 cm
S03408	Bowman silver probes	3/4	12.5 cm



CARTILAGE SMASHER

Number	Description	Working Length
S450000	Cottle cartilage smasher	



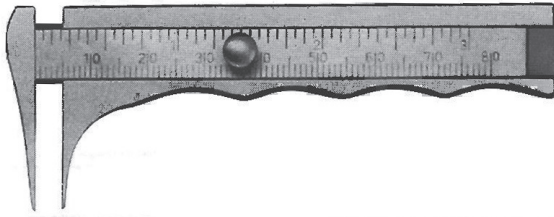
SEPTUM TONSIL NEEDLES

Number	Description		Shaft	Tip
S01100	Septum tonsil needle	knee bent angular	LUER-Lock	0.8 mm 22 g
S11400	Septum tonsil needle	straight	LUER-Lock	0.8 mm 22 g
S11300	Septum tonsil needle	right angle tip	LUER-Lock	0.8 mm 22 g
S11700	Septum tonsil needle	bayonet	LUER-Lock	0.8 mm 22 g

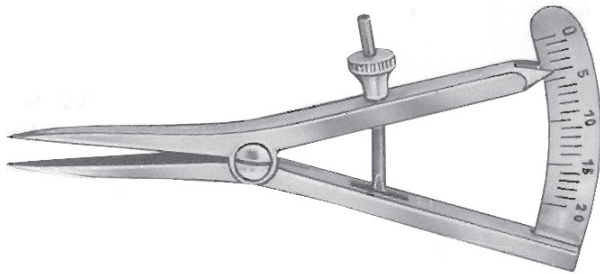


SOLUTION BOWLS

Number	Description		
S97030	Stainless solution bowl	30 cc	1 oz
S97050	Stainless solution bowl	50 cc	1.6 oz
S97100	Stainless solution bowl	100 cc	3 oz
S97150	Stainless solution bowl	150 cc	5 oz



Number	Description	Length
S63100	Jamison Caliper	0-8 mm



Number	Description	Length
S00040	Castroviejo Caliper	20 mm 8 cm



Number	Description	Length
S43715	Ruler 6"	stainless

RHINOLOGY & COSMETIC

ACCESSORIES

Swiss Therapy™
Chin Implants
Malar Implants
Implantable Silicone Blocks
Nasal Dorsal Implants
Silicone Sheeting, Tubing, Blocks
Septal Buttons
Internal Nasal Splints
External Nasal Splints
Rhinologic Dressing and Packing
Gelitan Packing
Silicone Epistaxis Balloon
Rhinology Knives and Blades

R&CS ACC

DIS

OTO ACC

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LAR ACC

SPE ACC

RHI INS

PSB

OTO INS

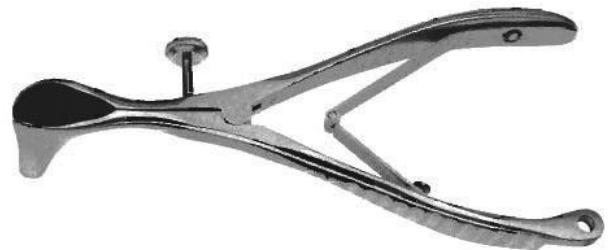
LAR INS

ORO/NAS INS



FLEXIBLE TENSION ARM

Number	Description
O18800	Arm for holding nasal speculum and retractors
O18801	Rotation OR table clamp for above



COTTLE MASING NASAL SPECULUM

Number	Description	
S97635	Nasal speculum for use with flexible tension arm	35 mm
S97650	Nasal speculum for use with flexible tension arm	50 mm
S97675	Nasal speculum for use with flexible tension arm	75 mm
S97690	Nasal speculum for use with flexible tension arm	90 mm



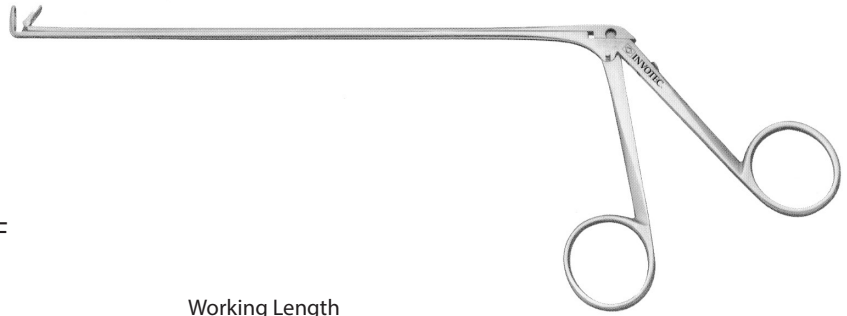
AUFRICHT RETRACTOR

Number	Description	
S97300	Retractor for use with flexible tension arm	stainless



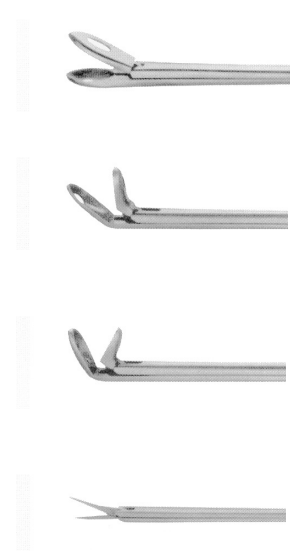
DOUBLE PRONG RETRACTOR

Number	Description	
S97400	Dull double prong retractor for use flexible tension arm	stainless



INSTRUMENTS AS DESCRIBED BY DRAF

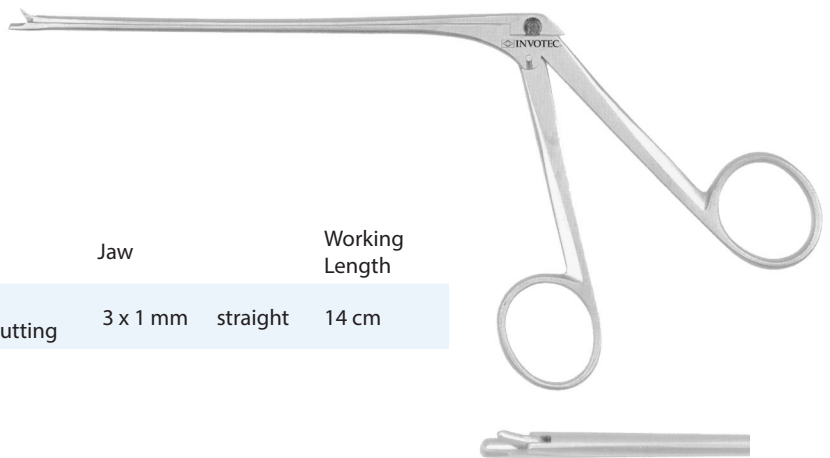
Number	Description		Working Length
S38413	Ethmoid forceps	straight	13 cm
S38416	Ethmoid forceps	straight	16 cm
S38419	Ethmoid forceps	straight	19 cm
S38513	Ethmoid forceps	60° upcurved	13 cm
S38516	Ethmoid forceps	60° upcurved	16 cm
S38519	Ethmoid forceps	60° upcurved	19 cm
S38613	Ethmoid forceps	90° upcurved	13 cm
S38616	Ethmoid forceps	90° upcurved	16 cm
S38619	Ethmoid forceps	90° upcurved	19 cm
S38713	Ethmoid scissors	straight	13 cm
S38716	Ethmoid scissors	straight	16 cm
S38719	Ethmoid scissors	straight	19 cm



PSB

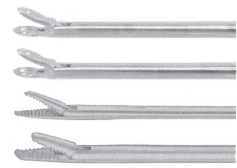
ELONGATED PARANASAL FORCEPS

Number	Description		Jaw	Working Length	
S38901	Conchotome	very delicate	oval throughcutting	3 x 1 mm straight	14 cm




PARANASAL FORCEPS

Number	Description				Working Length
S38423	Ethmoid forceps	straight	oval cupped	3 x 1.5 mm	13 cm
S38426	Ethmoid forceps	straight	oval cupped	3 x 1.5 mm	16 cm
S43010	Ethmoid forceps	straight	delicate serrated		16 cm
S43015	Ethmoid forceps	straight	rough serrated		16 cm


TUBULAR ELONGATED PARANASAL FORCEPS

Number	Description				Working Length
S42100	Ethmoid forceps	"Blakesley Type"	straight	size 0	17 cm
S42101	Ethmoid forceps	"Blakesley Type"	straight	size 1	17 cm
S42102	Ethmoid forceps	"Blakesley Type"	straight	size 2	17 cm
S42200	Ethmoid forceps	"Blakesley Type"	45° upcurved	size 0	17 cm
S42201	Ethmoid forceps	"Blakesley Type"	45° upcurved	size 1	17 cm
S42300	Ethmoid forceps	"Takahashi type"	straight	spoon 3 x 10 mm	17 cm



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Rhinologic Dressing and Packing
Gelitan Packing
Silicone Epistaxis Balloon
Rhinology Knives and Blades

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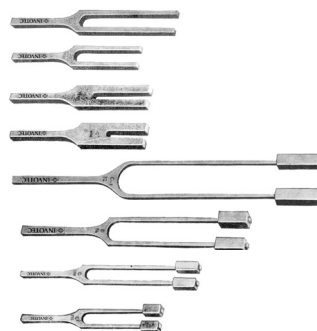
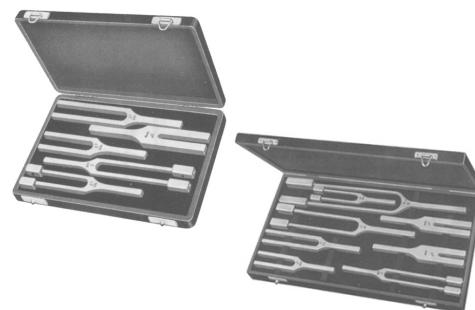
ORO/NAS INS

STEEL TUNING FORKS

Number	Description
020505	Hartmann tuning fork set with case Set of 5: c ² -512, c ³ -1024, c ⁴ -2048, c-128, c ¹ -256

Number	Description
020508	Hartmann tuning fork set with case Complete set: O20512-O20561

Number	Description
020512	Hartmann tuning fork c ² -512
020513	Hartmann tuning fork c ³ -1024
020514	Hartmann tuning fork c ⁴ -2048
020515	Hartmann tuning fork c ⁵ -4096
020532	French tuning fork c ¹ -32
020559	Hartmann tuning fork c-64
020560	Hartmann tuning fork c-128
020561	Hartmann tuning fork c ¹ -256



ALUMINUM TUNING FORKS

Number	Description
020705	Aluminum tuning fork set with case Set of 5: c-128, c ¹ -256, c-512, c ³ -1024, c-2048

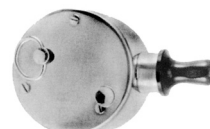
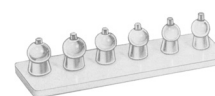
Number	Description
020710	Aluminum tuning fork c-128
020711	Aluminum tuning fork c ¹ -256
020712	Aluminum tuning fork c-512
020713	Aluminum tuning fork c ³ -1024
020714	Aluminum tuning fork c-2048



NOISE BOX - OTOSCOPE

Number	Description
020950	Jansen Otoscope Complete with one physician ear piece Black Rack included and six ear pieces for patient

Number	Description
020950	Barany Noise Apparatus with hard rubber connector Black Rack included



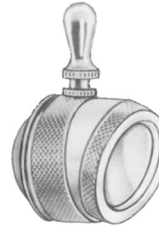
Number	Description
O20010	Brunings Pneumatic Ear Speculum Complete Set with lens, 4 speculas, rubber bulb, and wooden case



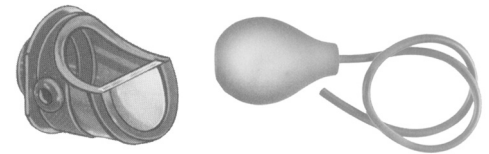
Number	Description	Diameter
O20020	Brunings Ear Speculum Size 0	5.5 mm
O20021	Brunings Ear Speculum Size 1	6.5 mm
O20022	Brunings Ear Speculum Size 2	7.5 mm
O20023	Brunings Ear Speculum Size 3	8.5 mm
O20024	Brunings Ear Speculum Size 4	9.5 mm
O20025	Brunings Ear Speculum Size 5	10.5 mm



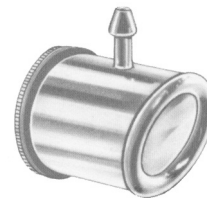
Number	Description
O20013	Brunings Diagnostic Head Full lens



Number	Description
O20014	Brunings Operating Head Segmented lens
O20015	Rubber Bulb Fitting the Brunings and Siegle lenses



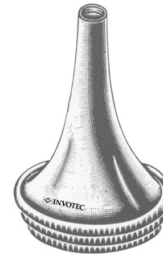
Number	Description	Diameter
O20053	Siegle Pneumatic Ear Speculum lens	
O20061	Siegle Ear Speculum	6.0 mm
O20062	Siegle Ear Speculum	6.5 mm
O20063	Siegle Ear Speculum	7.5 mm



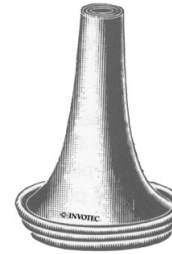
Number	Description	Diameter
O20161	Boucheron Ear Speculum for Adults Set of 4	
O20166	Boucheron Ear speculum for adults	4.5 mm
O20167	Boucheron Ear speculum for adults	5.5 mm
O20168	Boucheron Ear speculum for adults	6.5 mm
O20169	Boucheron Ear speculum for adults	4.5 mm



Number	Description		Diameter
O20100	Hartmann Ear Speculum for children	Set of 3	3.0, 4.5, 5 mm
O20101	Hartmann Ear Speculum for children		3.0 mm
O20102	Hartmann Ear Speculum for children		4.5 mm
O20103	Hartmann Ear Speculum for children		5 mm



Number	Description		Diameter
O20110	Hartmann Ear Speculum for adults	Set of 3	5.5, 6.5, 7.5 mm
O20111	Hartmann Ear Speculum for adults		5.5 mm
O20112	Hartmann Ear Speculum for adults		6.5 mm
O20113	Hartmann Ear Speculum for adults		7.5 mm



Number	Description		Diameter
O20130	Toynbee Ear Speculum for adults	Set of 3	5.5, 6.5, 7.5 mm
O20131	Toynbee Ear Speculum for adults	Set of 4	4.5, 5.5, 6.5, 7.5mm
O20136	Toynbee Ear Speculum for adults		4.5 mm
O20137	Toynbee Ear Speculum for adults		5.5 mm
O20138	Toynbee Ear Speculum for adults		6.5 mm
O20139	Toynbee Ear Speculum for adults		7.5 mm



Number	Description		Diameter
O20190	Ear Speculum	Set of 6	
O20192	Ear Speculum		2 mm
O20193	Ear Speculum		3 mm
O20194	Ear Speculum		4 mm
O20195	Ear Speculum		5 mm
O20196	Ear Speculum		6 mm
O20197	Ear Speculum		7.5 mm



Number	Description			Diameter
O20300	Zoellner Operating Ear Speculum	Black-finish	Oval	Set of 6
O20311	Zoellner Operating Ear Speculum	Black-finish	Oval	5.5 x 6.5 mm
O20312	Zoellner Operating Ear Speculum	Black-finish	Oval	6.5 x 7.5 mm
O20313	Zoellner Operating Ear Speculum	Black-finish	Oval	7.5 x 8.5 mm
O20314	Zoellner Operating Ear Speculum	Black-finish	Oval	8.5 x 9.5 mm
O20315	Zoellner Operating Ear Speculum	Black-finish	Oval	9.5 x 10.5 mm
O20316	Zoellner Operating Ear Speculum	Black-finish	Oval	10.5 x 11.5 mm

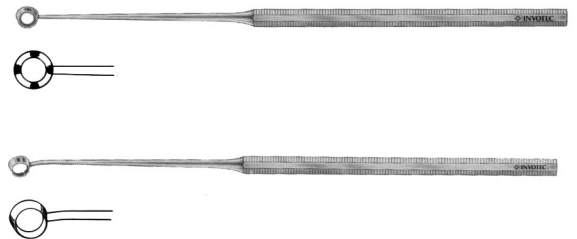




Number	Description		length	Size	Diameter
O21250	Buck-Wullstein micro ear currettes	blunt	16 cm	0000	0.9 mm
O21251	Buck-Wullstein micro ear currettes	blunt	16 cm	000	1.1 mm
O21252	Buck-Wullstein micro ear currettes	blunt	16 cm	00	1.3 mm
O21253	Buck-Wullstein micro ear currettes	blunt	16 cm	0	1.8 mm
O21254	Buck-Wullstein micro ear currettes	blunt	16 cm	1	2.1 mm



Number	Description		length	Size	Diameter
O21431	Shapleigh ear currettes	serrated	14 cm	1	
O21432	Shapleigh ear currettes	serrated	14 cm	2	



Number	Description		length	Size	Diameter
O21109	Buck ear currettes	sharp	15 cm	00	1.5 mm
O21110	Buck ear currettes	sharp	15 cm	0	1.9 mm
O21111	Buck ear currettes	sharp	15 cm	1	2.5 mm
O21112	Buck ear currettes	sharp	15 cm	2	2.7 mm
O21113	Buck ear currettes	sharp	15 cm	3	3.4 mm
O21114	Buck ear currettes	sharp	15 cm	4	4.0 mm
O21115	Buck ear currettes	sharp	15 cm	5	4.5 mm

EAR LOOPS



Number	Description		length	Size	Diameter
O21401	Billeau ear loop	straight	15.5 cm	1	
O21402	Billeau ear loop	straight	15.5 cm	2	
O21403	Billeau ear loop	straight	15.5 cm	3	



Number	Description		length	Size	Diameter
O21407	Billeau-Micro ear loop	straight	16 cm	00	2.0 mm
O21408	Billeau-Micro ear loop	straight	16 cm	0	2.5 mm
O21409	Billeau-Micro ear loop	straight	16 cm	1	3.0 mm



Number	Description		length	Diameter
O21410	Langenbeck ear loop	blunt	13.5 cm	



Number	Description		length	Diameter
O21415	Coxeter ear loop - Double ended	blunt	14.5 cm	4.5 mm / 5.5 mm

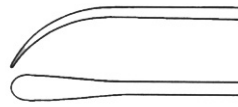


Number	Description		length	Size	Diameter
O21420	Weber-Loch ear loop	straight	15 cm	0	
O21421	Weber-Loch ear loop	straight	15 cm	1	
O21422	Weber-Loch ear loop	straight	15 cm	2	

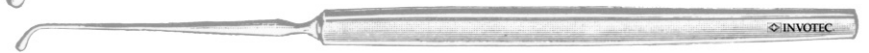
EAR LEVERS



Number	Description	length
O21440	Moldenhauer ear lever	16 cm



Number	Description	length
O21505	Zaufal ear lever	16 cm



Number	Description	Length
O21510	Yankauer-Jansen ear lever 45°	15 cm



Number	Description	Length
O21606	Wagener ear lever sharp	14 cm
O21607	Wagener ear lever blunt	14 cm

EAR HOOKS



Number	Description	Size	length
O21470	Gross ear spoon and hook	oval	12 cm



Number	Description	Size	length
O21475	Gross ear curette and hook	round	12 cm



Number	Description	Size	length
O21511	Jansen ear hook	1	15 cm
O21512	Jansen	2	15 cm



Number	Description	Size	length
O21520	Allport ear hook		16 cm



Number	Description	Size	length
O21571	Hartmann ear hook	1	16 cm
O21572	Hartmann ear hook	2	16 cm



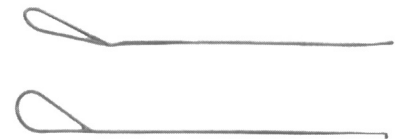
Number	Description	Size	length
O21601	Wagener ear hook	2.0	14 cm
O21602	Wagener ear hook	2.5	14 cm
O21603	Wagener ear hook	3.0	14 cm
O21604	Wagener ear hook	3.5	14 cm
O21605	Wagener ear hook	4.0	14 cm



Number	Description	Size	length
O21651	Day ear hook	1	16 cm
O21652	Day ear hook	2	16 cm

Ear Probes

Number	Description		length
O21681	Stacke ear probe	Nickel silver	11 cm
O21684	Stacke-Frenzel ear probe	Sterling silver	9 cm

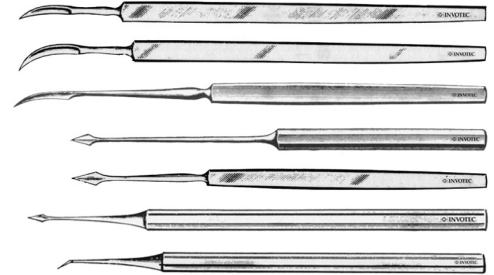


Number	Description		length
O21690	Wullstein probe	Silver	26 cm
O21695	Bloch ear probe	Sterling silver	11 cm



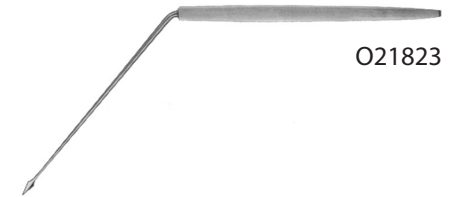
SICKLE SHAPED KNIVES AND LANCETS

Number	Description	length
O21750	Lempert sickle shaped knife	16 cm
O21752	Lempert sickle shaped knife	17 cm
O21760	Politzer sickle shaped knife	16 cm
O21802	Buck lancet	15 cm
O21806	Lempert lancet	14 cm
O21810	Lempert lancet	15 cm
O21811	Lempert lance 45°	15 cm



TYMPANUM PERFORATORS

Number	Description	Length
O21823	Politzer Tympanum perforator	16 cm
O21825	Lucae Tympanum perforator for children	18 cm
O21827	Lucae Tympanum perforator for adults	18 cm
O21830	Politzer Tympanum perforator reversible	19 cm
O21833	Politzer Tympanum perforator screw locking handle	15 cm
O21835	Lucae Tympanum perforator	19 cm



O21823



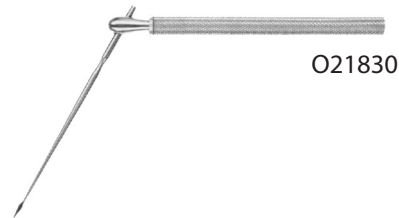
O21825



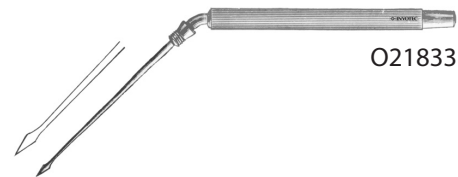
O21827



O21830

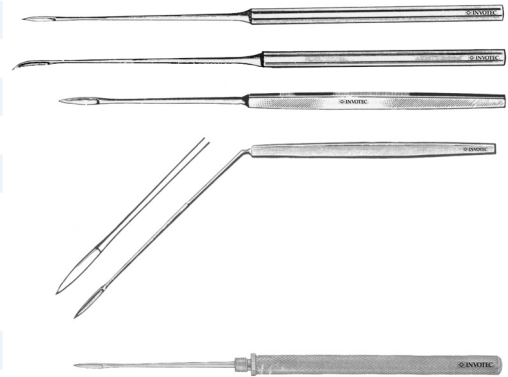


O21833



O21835

O21845	Sexton Tympanum knife		18 cm
O21847	Sexton Tympanum knife		18 cm
O21850	Sexton Tympanum knife		18 cm
O21853	Sexton Tympanum knife		18 cm
O21857	Sexton Tympanum knife		18 cm



O21858	Sexton Tympanum knife	screw locking handle	18 cm
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EAR CATHETERS

Number	Description	Length	size	Diameter
O22011	Hartmann ear catheter	14 cm	1	2.5 mm
O22012	Hartmann ear catheter	14 cm	2	3.0 mm
O22013	Hartmann ear catheter	14 cm	3	3.5 mm
O22014	Hartmann ear catheter	14 cm	4	4.0 mm
O22015	Hartmann ear catheter	14 cm	5	5.0 mm



O22021	Troeltsch Ear catheter	14 cm	1	2.5 mm
O22022	Troeltsch Ear catheter	14 cm	2	3.0 mm
O22023	Troeltsch Ear catheter	14 cm	3	3.5 mm
O22024	Troeltsch Ear catheter	14 cm	4	4.0 mm
O22025	Troeltsch Ear catheter	14 cm	5	5.0 mm

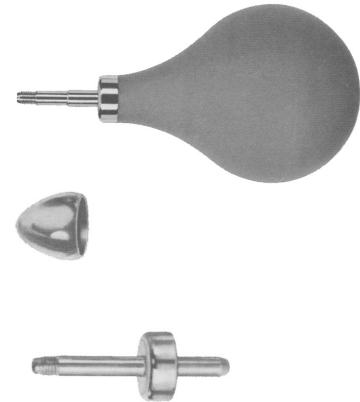


O22030	Tube connector for Hartmann/Troeltsch catheters		Olive-shaped	
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AIR BAGS

Number	Description	Diameter
O22055	Politzer air bag with conical metal plate - rubber bulb only	
O22062	Politzer air bag nasal tip	15 mm
O22063	Politzer air bag nasal tip	17 mm
O22064	Politzer air bag nasal tip	22 mm
O22069	Politzer air bag connector with plugin cone and screw thread	


POWDER BLOWER

Number	Description		
O22810	Kabierske powder blower complete set: 3 cannulas for ear, nose, throat and larynx		
O22811	Kabierske spare glass bottle	30 ml	
O22812	Kabierske valve rubber bulb		
O22816	Kabierske laryngeal cannula	curved	13 cm x 5 1/8"
O22817	Kabierske nasal cannula	straight	11 cm x 4 3/8"
O22818	Kabierske ear cannula	straight	8 cm x 3 1/8"



EAR INSTRUMENT SETS

Number	Description	
O21901	Sprague ear instrument	sickle-shaped knife 
O21902	Sprague ear instrument	blunt-tip hook 
O21903	Sprague ear instrument	button-tip probe 
O21904	Sprague ear instrument	tympanum perforating lancet 
O21905	Sprague ear instrument	ear curette 
O21906	Sprague ear instrument	ear spoon 
O21909	Sprague ear instrument	tubular handle 

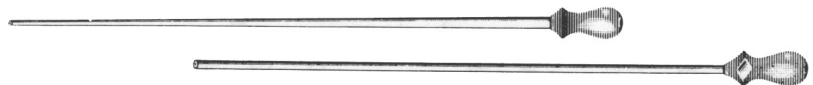
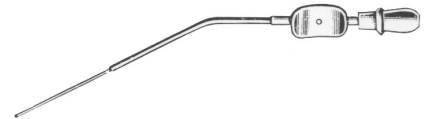
Number	Description		Diameter
O22101	Rosen suction tip with Luer-Lock attachment	Straight	0.70 x 80 mm
O22102	Rosen suction tip with Luer-Lock attachment	Straight	0.90 x 80 mm
O22103	Rosen suction tip with Luer-Lock attachment	Straight	1.20 x 80 mm



O22111	Rosen suction tip with Luer-Lock attachment	angled	0.70 x 65 mm
O22112	Rosen suction tip with Luer-Lock attachment	angled	0.90 x 65 mm
O22113	Rosen suction tip with Luer-Lock attachment	angled	1.20 x 65 mm
O22114	Rosen suction tip with Luer-Lock attachment	angled	1.50 x 65 mm
O22115	Rosen suction tip with Luer-Lock attachment	angled	2.00 x 65 mm

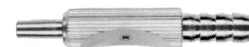


Number	Description	Diameter
O22210	Baron suction tip with finger cut off	1.0 x 75 mm
O22215	Baron suction tip with finger cut off	1.5 x 75 mm
O22220	Baron suction tip with finger cut off	2.0 x 75 mm



Number	Description			Length	Diameter
O22141	Wullstein flexible suction tip with Luer Cone	cylindrical	Sterling Silver	16 cm	1.5 mm
O22142	Wullstein flexible suction tip with Luer Cone	cylindrical	Sterling Silver	16 cm	2.0 mm
O22148	Wullstein flexible suction tip with Luer Cone	conical	Sterling Silver	16 cm	1.5 mm

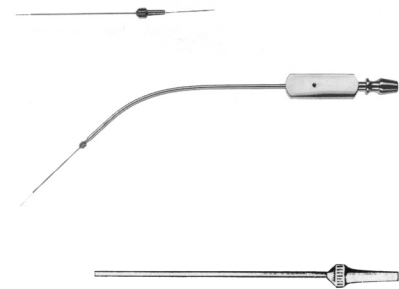
Number	Description	
O22148	Tube connector with Luer cone and cut off plate	for Wellstein and Rosen suction tubes



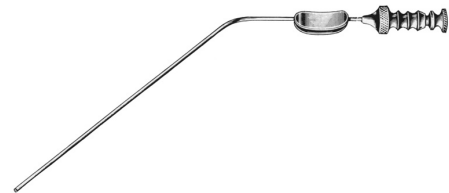
Number	Description
O22146	Wullstein irrigating suction handle with Luer cone Compatible with Wullstein irrigating/suction tubes



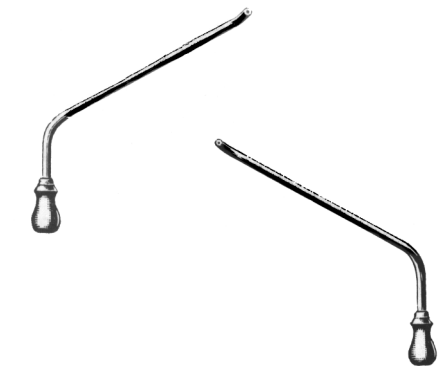
Number	Description	Working Length	Diameter
O22230	Zollner suction tube with finger plate and Luer cone Complete with 1 slip on cannula		0.7 mm
O22235	Zollner micro suction cannula only for suction tube	30 mm	0.5 mm
O22237	Zollner micro suction cannula only for suction tube	30 mm	0.7 mm



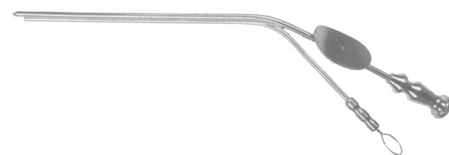
Number	Description	Working Length	Diameter
O22261	Frazier suction tube	110 mm	1.00 mm x 190 mm
O22262	Frazier suction tube	110 mm	2.00 mm x 190 mm



Number	Description	
O22271	Hartmann suction tip	right ear
O22272	Hartmann suction tip	left ear



Number	Description	Size	diameter
O22309	House suction tip	1	0.9 + 0.7 mm
O22312	House suction tip	2	1.2 + 0.9 mm
O22315	House suction tip	3	1.5 + 1.2 mm
O22318	House suction tip	1	1.8 + 1.8 mm
O22325	House suction tip	2	2.5 + 2.0 mm
O22330	House suction tip	3	3.0 + 2.0 mm
O22345	House suction tip	4	4.5 + 2.0 mm



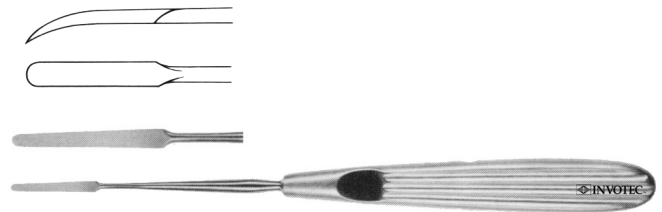
PERIOSTEOTOMES, ELEVATOR



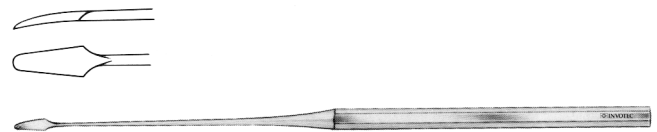
Number	Description	
O26010	Muck periosteal knife	13 cm



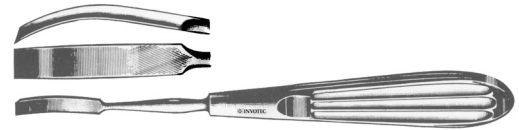
Number	Description	
O26020	Politzer mastoid knife	13 cm



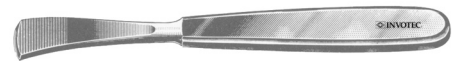
Number	Description	size	shape	length
O26052	Lempert elevator	size 2 mm	straight	18 cm
O26057	Lempert elevator	size 2 mm	curved	18 cm
O26058	Lempert elevator	size 3 mm	curved	18 cm



Number	Description	width	length
O26040	Wullstein raspatory		17 cm



Number	Description	width	length
O26070	Lempert raspatory	6 mm	20 cm
O26071	Lempert raspatory	6 mm	18 cm



Number	Description	width	length
O26080	Jansen raspatory	12 mm	17 cm

EAR POLYPUS SNARES

Number	Description	Size
O21010	Krause Ear Polypus Snare	16 cm



Number	Description	Size
O21030	Wilde Ear Polypus Snare	16 cm



Number	Description	Quantity	Size
O21042	Snare-Wire, coil	10 meters	0.2 mm Ø
O21043	Snare-Wire, coil	10 meters	0.3 mm Ø



Number	Description	Quantity	Size
O21047	Snare-Loops, pre-shaped	bundle/ 100 pieces	0.2mm Ø
O21048	Snare-Loops, pre-shaped	bundle/ 100 pieces	0.3 mm Ø
O21049	Snare-Loops, pre-shaped	bundle/ 100 pieces	0.35 mm Ø



MASTOID RONGEURS

Number Description

O26203	Kerrison Rongeur chisel-edge punch	0	80 mm
O26204	Kerrison Rongeur chisel-edge punch	1	80 mm
O26205	Kerrison Rongeur chisel-edge punch	2	80 mm
O26206	Kerrison Rongeur chisel-edge punch	3	80 mm



Number Description

O26251	Citelli Rongeur atticus punch	1	60 mm
O26252	Citelli Rongeur atticus punch	2	60 mm
O26253	Citelli Rongeur atticus punch	3	60 mm



Number Description

O26265	Brunings rongeur, chisel edged punch	4 mm
O26266	Brunings rongeur, chisel edged punch	6 mm



Number Description

O26272	Beyer rongeur atticus punch	2 mm
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PUNCHES, MALLEUS NIPPERS

Number	Description	Width
O24805	Davol forceps	3 x 2 mm



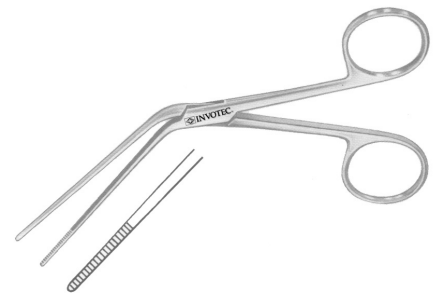
Number	Description	Width
O24814	Dieter malleus punch	chisel-edge up cutting 1.3 mm
O24815	Dieter malleus punch	chisel-edge down cutting 1.3 mm
O24816	Dieter malleus punch	chisel-edge right cutting 1.3 mm
O24817	Dieter malleus punch	chisel-edge left cutting 1.3 mm



Number	Description	Width
O23020	Hartmann ear dressing forceps	delicate pattern 13.5 cm
O23021	Hartmann ear dressing forceps	standard pattern 13.5 cm



Number	Description	Width
O23040	Tilly ear dressing forceps	standard pattern 14 cm



Number	Description	Width
O23112	Hartmann ear forceps	14 cm
O23122	Hartmann ear forceps	20 cm
O23132	Hartmann ear forceps	22 cm





Number	Description	length
O23142	Hartmann-Noyes ear forceps	14 cm
O23152	Hartmann-Noyes ear forceps duckbill	14 cm
O23163	Hartmann ear forceps 1 x 2 teeth	14 cm



O23170	Weingartner ear forceps	14 cm
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O23201	Hartmann-Herzfeld ear forceps	14 cm	2 mm
O23202	Hartmann-Herzfeld ear forceps	14 cm	2.2 mm
O23203	Hartmann-Herzfeld ear forceps	14 cm	2.5 mm
O23204	Hartmann-Herzfeld ear forceps	14 cm	3.0 mm
O23211	Hartmann-Herzfeld ear forceps	14 cm	2.0 mm
O23212	Hartmann-Herzfeld ear forceps	14 cm	2.2 mm
O23213	Hartmann-Herzfeld ear forceps	14 cm	2.5 mm
O23214	Hartmann-Herzfeld ear forceps	14 cm	3.0 mm



Number	Description	Length
O23250	Hartmann ear forceps	14 cm



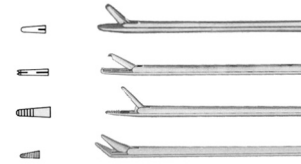
O23260	Struempel ear forceps	14 cm
O23261	Struempel-baby ear forceps	14 cm



O23270	Hartmann ear forceps	2.0 mm
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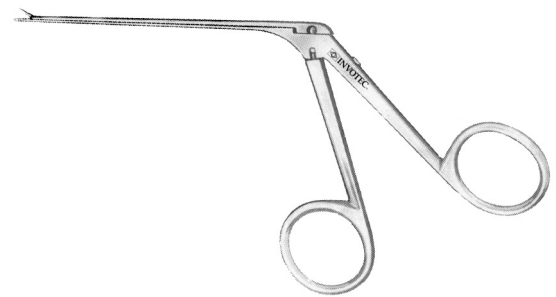


Number	Description	Length
O23301	Hartmann ear forceps smooth jaws	14 cm
O23303	Hartmann ear forceps smooth jaws 1 x 2 teeth	14 cm
O23312	Hartmann ear forceps serrated jaws	14 cm
O23314	Hartmann ear forceps serrated jaws angled up	14 cm

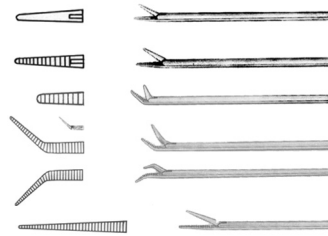


O23322 Bellucci grasping forceps* heavy pattern

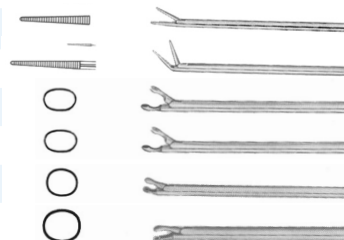
* may also be used as prosthesis applying or wire bending forceps



Number	Description	Length
O23401	Ear forceps smooth jaws	4 x 0.5 mm
O23412	Ear forceps serrated jaws	4 x 0.5 mm
O23414	Ear forceps serrated jaws angled up	3 x 0.5 mm
O23416	Ear forceps serrated jaws right	3 x 0.5 mm
O23417	Ear forceps serrated jaws left	3 x 0.5 mm
O23422	Ear forceps serrated jaws long	7 x 0.5 mm

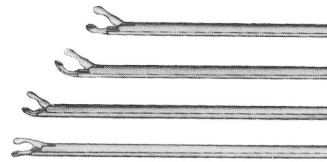


Number	Description	Length
O23512	Ear forceps serrated jaws straight	4 x 0.4 mm
O23514	Ear forceps serrated jaws angled up	4 x 0.4 mm
O23712	Ear forceps delicate with oval cup jaws straight	1 x 0.9 mm
O23714	Ear forceps delicate with oval cup jaws angled up	1 x 0.9 mm
O23716	Ear forceps delicate with oval cut jaws angled right	1 x 0.9 mm
O23717	Ear forceps delicate with oval cut jaws angled left	1 x 0.9 mm

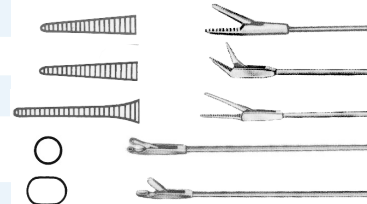




Number	Description			
O23912	Ear forceps	oval cup jaws	straight	0.6 x 0.5 mm
O23914	Ear forceps	oval cup jaws	up	0.6 x 0.5 mm
O23916	Ear forceps	oval cup jaws	right	0.6 x 0.5 mm
O23917	Ear forceps	oval cup jaws	left	0.6 x 0.5 mm



Number	Description		diameter	
O25012	Ear forceps	serrated jaws	straight	5 x 0.5 mm
O25014	Ear forceps	serrated jaws	up	4 x 0.5 mm
O25023	Ear forceps	serrated jaws	long	7 x 0.5 mm
O25030	Ear forceps	with round cup jaws	0.9 mm	
O25035	Ear forceps	with oval cut jaws	1.2 x 0.9 mm	



O25060	Wullstein-Blakesley Ear forceps	jaws fenestrated	5 x 2 mm	
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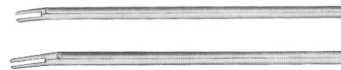
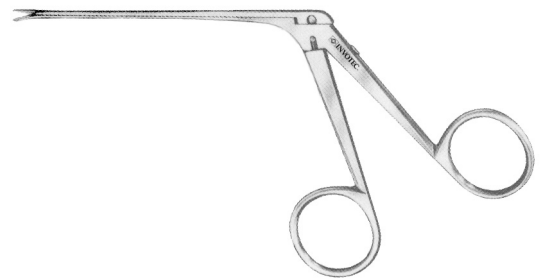


WIRE BENDING FORCEPS

Number	Description		
O24611	Schuknecht Wire crimper	curved down	6.0 x 0.8 mm

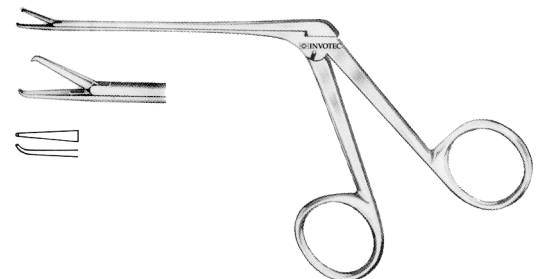


Number	Description		
O24614	McGee wire bending forceps	curved down	3.5 x 0.8 mm
O24615	McGee wire bending forceps	curved down	4.5 x 0.8 mm

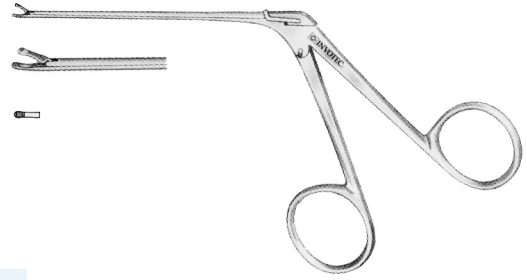

FORCEP PROTECTOR

• autoclavable

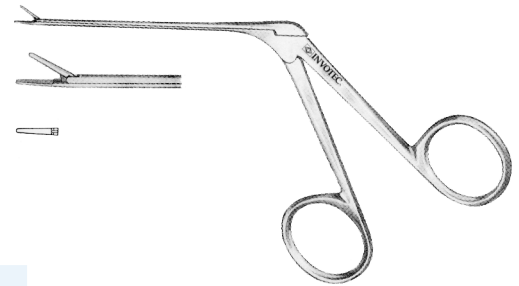
Number	Description	Length
O24990	Teflon forcep protector	80 mm



Number	Description	Shaft Width	Shaft Length
O24812	Tabb crura nipper	1.5 mm	65 mm



Number	Description	Shaft Length
O24910	Graven grasping forceps serrated jaws 3 x 1 mm	70 mm

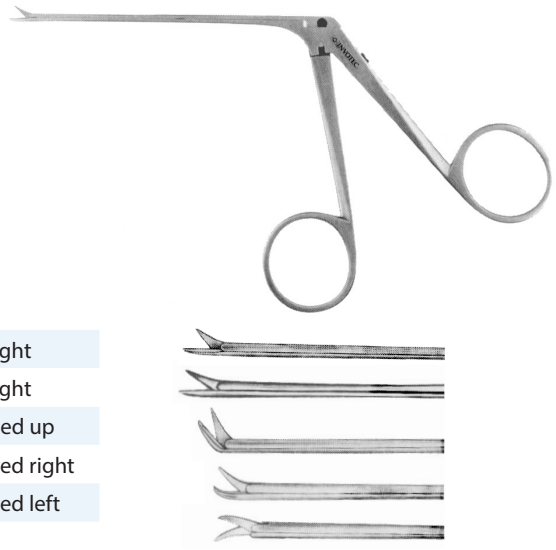


Number	Description	Shaft Length
O24919	Fuller forceps smooth jaws 6 x 0.8 mm	75 mm

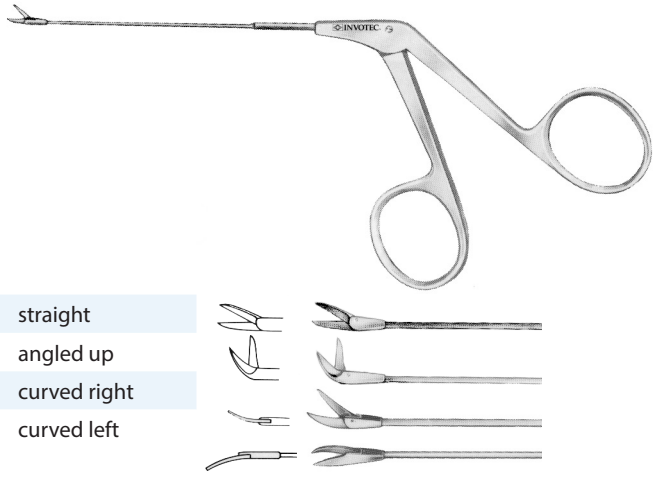
Number	Description		
O24110	Shea-Bellucci Ear scissors	blunt tip blades	straight
O24112	Shea-Bellucci Ear scissors	straight tip blades	straight
O24116	Shea-Bellucci Ear scissors	semi-sharp tip	curved right
O24117	Shea-Bellucci Ear scissors	semi-sharp tip	curved left

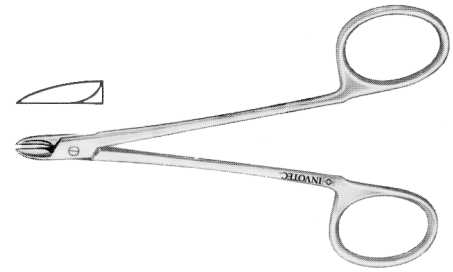


Number	Description		
O24211	Bellucci ear scissors	sharp/blunt tip	straight
O24212	Bellucci ear scissors	sharp tip blades	straight
O24213	Bellucci ear scissors	sharp tip	angled up
O24216	Bellucci ear scissors	sharp tip	curved right
O24217	Bellucci ear scissors	sharp tip	curved left



Number	Description		
O25052	Ear scissors	sharp tip blades	straight
O25054	Ear scissors	sharp tip	angled up
O25056	Ear scissors	sharp tip	curved right
O25057	Ear scissors	sharp tip	curved left

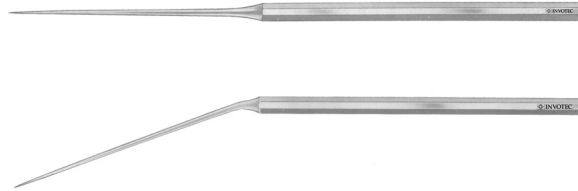




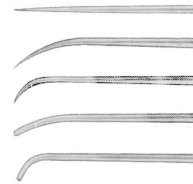
Number	Description	Shaft Length	Length
O24810	Lempert Malleus forceps		11.5 cm



Number	Description	Shaft Length	Length
O24835	Wullstein malleus nipper chisel edge 3 mm long	80 mm	15 cm

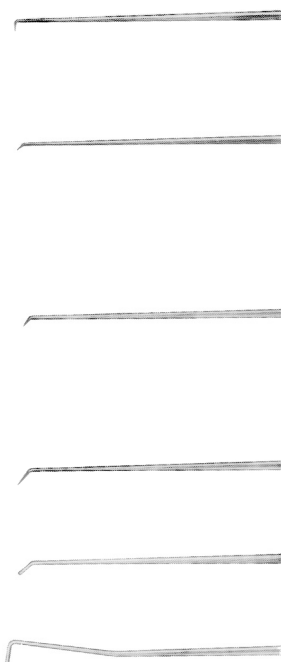


Number	Description
O30601	Barbara sharp needle/pick
O30603	Barbara sharp needle/pick
O30604	Rosen sharp needle/pick
O30605	Rosen blunt needle/pick
O30606	Rosen blunt needle/pick

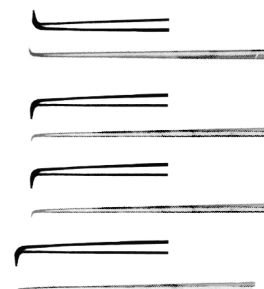




Number	Description				
O30607	Austin hook			1.5 mm	90°
O30613	Austin hook			0.3 mm	25°
O30616	Austin hook			0.6 mm	25°
O30620	Austin hook			1.0 mm	25°
O30641	Austin hook			1.5 mm	45°
O30643	Austin hook			2.5 mm	45°
O30645	Shea hook	oblique pick	blunt	2.0 mm	45°
O30649	Austin hook	attic dissector	blunt	3.0 mm	90°
O30641	Austin hook			1.5 mm	45°
O30643	Austin hook			2.5 mm	45°
O30645	Shea hook	oblique pick	blunt	2.0 mm	45°
O30649	Austin hook	attic dissector	blunt	3.0 mm	90°

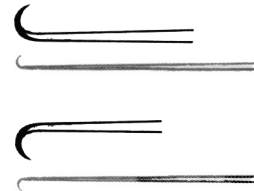


Number	Description				
O30772	Antoli-Candela hook	angled right		0.6 mm	90°
O30773	Antoli-Candela hook	angled left		0.6 mm	90°
O30792	Antoli-Candela hook	right		1.0 mm	90°
O30793	Antoli-Candela hook	left		1.0 mm	90°

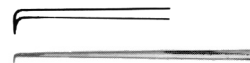




Number	Description		
O30775	McGee hook	curved up	0.5 mm
O30780	McGee hook	curved up	1.0 mm
O30785	McGee hook	curved down	0.5 mm
O30790	McGee hook	curved down	1.0 mm

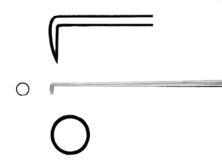
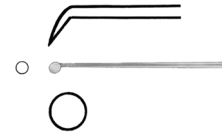


Number	Description		
O30802	Fisch hook		0.2 mm
O30806	Plester hook		0.6 mm

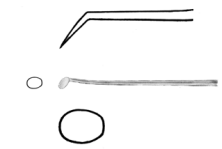
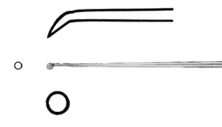




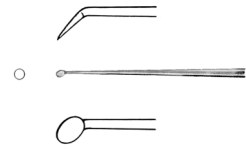
Number	Description	Diameter	Diameter
O30810	Antoli-Candela incision knife	1.0 mm	45°
O30815	Antoli-Candela incision knife	1.5 mm	45°
O30820	Antoli-Candela incision knife	2.0 mm	45°
O30823	Antoli-Candela incision knife	2.3 mm	45°
O30825	Antoli-Candela incision knife	2.5 mm	45°
O30830	Antoli-Candela circular cutting knife	1.0 mm	90°
O30835	Antoli-Candela circular cutting knife	1.5 mm	90°
O30840	Antoli-Candela circular cutting knife	2.0 mm	90°
O30843	Antoli-Candela circular cutting knife	2.3 mm	90°
O30845	Antoli-Candela circular cutting knife	2.5 mm	90°



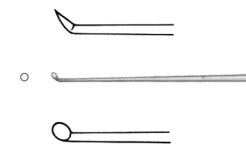
O30901	House round knife for incudo-stapedial joint	1.0 mm	30°
O30903	Goldmann knife-elevator for metal wall	3.0 mm	45°



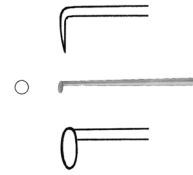
Number	Description	Size
O30906	Rosen knife curette	1.5 mm 45°



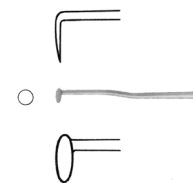
Number	Description	Size
O30911	Antoli-Candela Round knife for incudo-stapedial joint	1.0 mm 45°



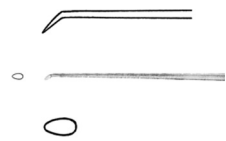
Number	Description	Size
O30922	Austin round knife weapon	2.0 mm 90°



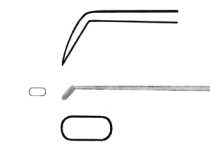
Number	Description	Size
O30925	Gerlach round knife	3.0 mm 90°



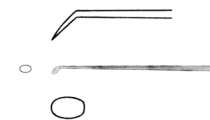
Number	Description	Size
O30935	Shea tympanoplasty knife	1.5 x 1 mm 45°



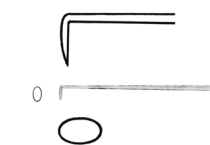
O30938	Shea tympanoplasty knife	4.0 x 2.5 mm 60°
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O30939	Harrison tympanoplasty knife	45°
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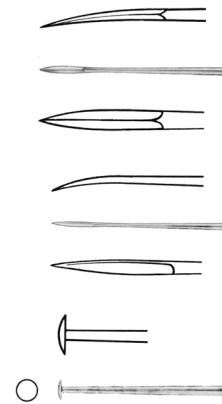


O30947	Harrison tympanoplasty knife	90°
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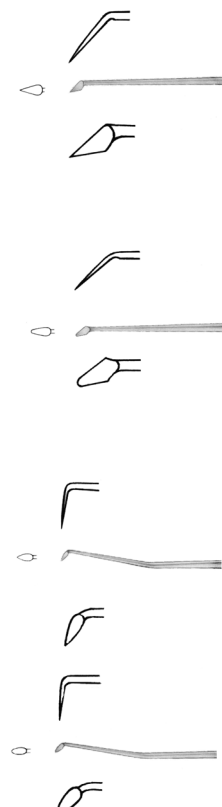




Number	Description	Size
O31061	House tympanoplasty knife	4.0 x 1.0 mm
O31063	House tympanoplasty knife	3.0 x 1.0 mm
O31075	Gray tympanoplasty knife	3.5 mm Ø



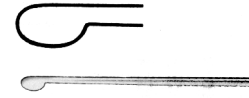
Number	Description	Size	Angle
O30953	Rosen incision knife		45°
O30955	Hough incision knife	2.0 x 1-2 mm	45°
O30958	House lancet knife	2.0 x 1.0 mm	45°
O30965	Shea incision knife	2.0 x 1.5 mm	90°
O30967	Austin incision knife	1.8 x 1.2 mm	90°





Number Description

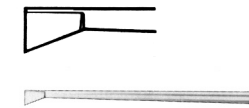
O31003 Guilford-Wright flap knife 2 mm



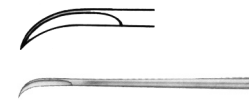
O31005 Plester flap knife 3.5 mm



O31017 Plester incision knife 2.5 mm



O31032 Austin sickle knife 3.0 x 1.0 mm



O31035 Austin incision knife for footplate

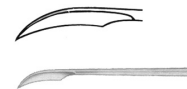


Number Description

O31040 Tabb tympanoplasty knife 1.5 x 1 - 1.15 mm

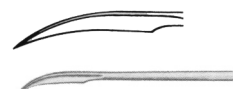


O31041 House sickle knife #1 6.0 x 1.5 mm



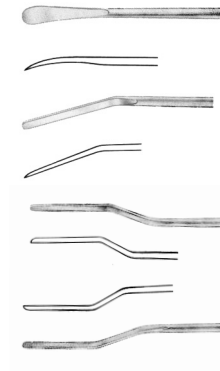
Number Description

O31046 Schuknecht sickle knife 5.0 x 1.0 mm





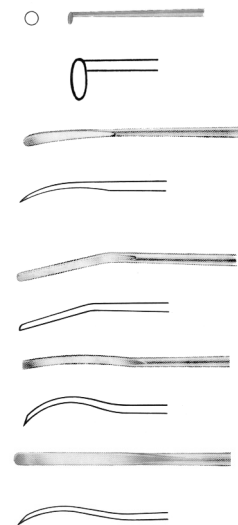
Number	Description	Width	Length
O31103	Goldmann elevator oval shape slight curve	2.5 mm	
O31111	House stapes elevator		12 mm
O31131	Shea elevator right	1.2 mm	
O31132	Shea elevator left	1.2 mm	



Number	Description	Length
O31171	Shambaugh-Derlacki elevator blunt	14 cm

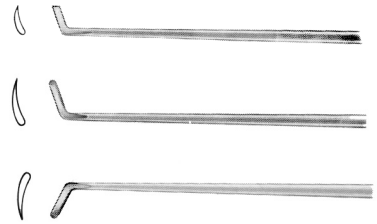


Number	Description	Width
O30922	Austin round knife angled up 90°	2 mm Ø
O31102	Antoli-Candela elevator curved	1.8 mm
O31115	Rosen elevator	15 x 1.5 mm
O31121	Rosen elevator	15 x 1.0 mm
O31122	Rosen elevator	15 x 1.2 mm

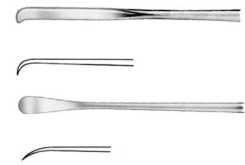


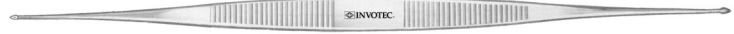


Number	Description			Width
O31143	Schuknecht elevator	flat	tip slightly curved up	1 mm
O31150	Hough excavator	heavy pattern	right	
O31151	Hough excavator	heavy pattern	left	

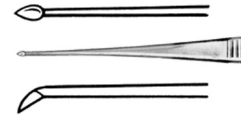


Number	Description		width	length
O31175	Shambaugh-Derlacki elevator	angled tip	2.0 mm	14.4 cm
O31176	Shambaugh-Derlacki duckbill elevator	slightly curved	3.0 mm	14.5 cm

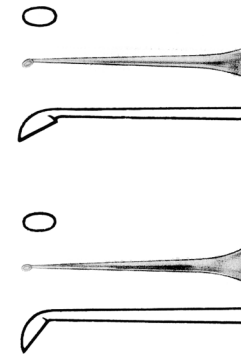




Number	Description			Length
O31290	Double-ended curette for Stapedectomy	pointed	small	17 cm
O31292	Double-ended curette for Stapedectomy	pointed	large	17 cm

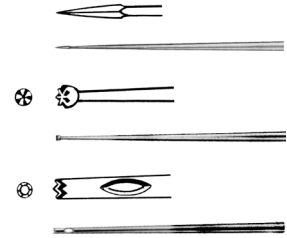


Number	Description		Diameter	
O31270	House Double-ended curette for stapedectomy	cups slightly angled forward	1.0 mm	1.2 mm
O31275	House Double-ended curette for stapedectomy	cups slightly angled forward	1.5 mm	1.8 mm
O31280	House Double-ended curette for stapedectomy	cups strongly angled forward	1.0 mm	1.2 mm
O31285	House Double-ended curette for stapedectomy	cups strongly angled forward	1.5 mm	1.8 mm



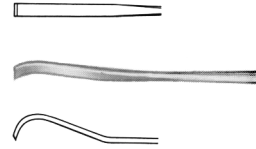


Number	Description	Diameter
036590	Larkin hand perforator trocar point	0.8 mm
036592	Larkin hand penetrator	0.8 mm
036594	Larkin hand trephine	0.8 mm





Number	Description	Width	Diameter
O31461	Rose Mobilizer	1.8 mm	



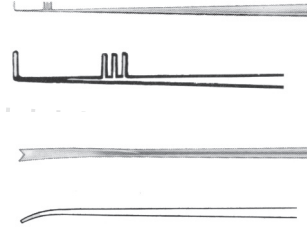
O31465	Goldmann Mobilizer with ball tip	angled up 25°	0.8 mm
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O31468	Goldmann pluggar with ball tip		1.0 mm
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Number	Description			
O31410	Hough measuring rod	markers at 3.5 mm	4 mm	4.5 mm
O31433	Austin wire guide and applicator	v-notch	light curve	



Number	Description
O38950	Piston cutting jig

RHINOLOGY & COSMETIC

ACCESSORIES

Swiss Therapy™
Chin Implants
Malar Implants
Implantable Silicone Blocks
Nasal Dorsal Implants
Silicone Sheeting, Tubing, Blocks
Septal Buttons
Internal Nasal Splints
External Nasal Splints
Rhinologic Dressing and Packing
Gelitan Packing
Silicone Epistaxis Balloon
Rhinology Knives and Blades

R&CS ACC

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SPE ACC

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PSB

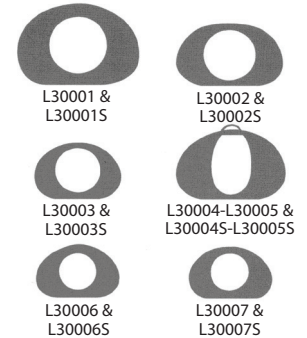
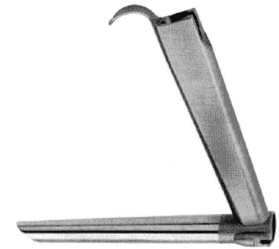
OTO INS

LAR INS

ORO/NAS INS

KLEINSASSAR TYPE

Number	Size	Description
L30001	18 cm	Adult Large
L30002	18 cm	Medium
L30003	18 cm	Small
L30004	18 cm	Anterior commissure
L30005	22 cm	Anterior commissure, long neck
L30006	15 cm	Child
L30007	13 cm	Small Child



SPREADABLE OPERATING LARYNGOSCOPES

Number	Size	Description
L30001S	17 cm	Adult Large
L30002S	17 cm	Medium
L30003S	18 cm	Small
L30004S	18 cm	Anterior commissure
L30005S	22 cm	Anterior commissure, long neck
L30006S	15 cm	Child
L30007S	13 cm	Small Child



BENJAMIN SLIM

Number	Size	Description
L550-1327	17 cm	Adult Medium



LARYNGOSCOPE HOLDER AND CHEST SUPPORT

Number	Ring Size	Rod Size	Description
L30400	9.5 cm Ø	34 cm	Adult size chest support with rubber ring
L30500	9.5 cm Ø	24 cm	Child size rod only with rubber ring
L30401			Rubber ring replacement for L30400-L30500



LEWY LARYNGOSCOPE HOLDER

Number	Description
L30390	Lewy Laryngoscope holder and chest brace
L3039H	Lewy handle for Kleinsassar, spreadables and Benjamin Slim operating laryngoscopes



DEDO-PILLING MICRO LARYNGOSCOPE TYPE II

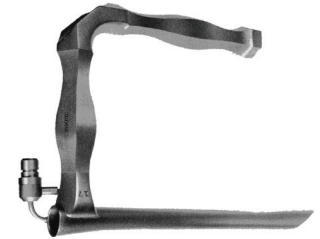
- Eliminates light loss though continuous illuminating fibers
- Supplied with two light carriers

Number	Size	Overall length	Minimum ID	Maximum OD	Description
L530-173	Adult	173 mm	11.6 mm	30.1 mm	Dedo-Pilling Micro Laryngoscope Type II



HOLINGER LARYNGOSCOPE

Number	Description	Working Length	Full Length
L740020	Adult Large	157 mm	180 mm
L550-1350	Adult Medium	146 mm	170 mm



JACKSON LARYNGOSCOPE

Number	Description	Full Length
L740012	Infant Laryngoscope	120 mm
L740017	Child Laryngoscope	170 mm
L740018	Adult Laryngoscope	180 mm



FIBER OPTIC LIGHT CARRIERS

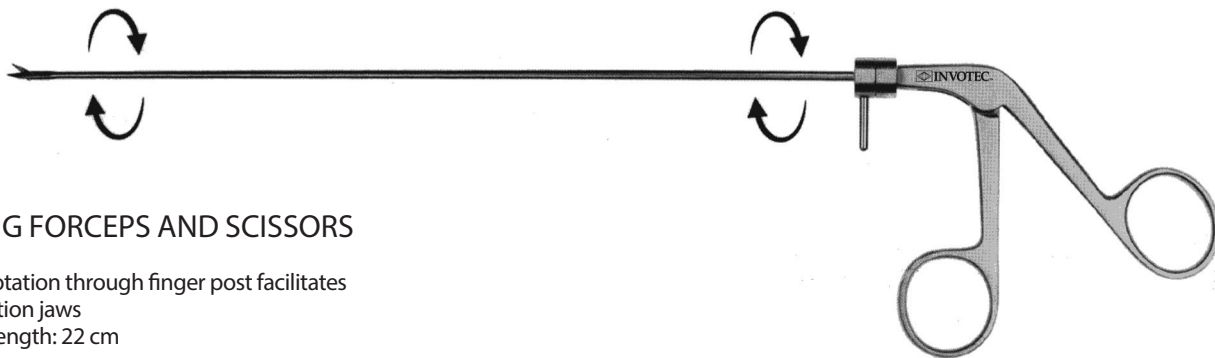
Number	Description	Compatible Laryngoscope Models
L30010	Large, Fiber Optic Light Carrier	Kleinsassar Type L30001 - L30005
L30011	Medium, Fiber Optic Light Carrier	Kleinsassar Type L30006 - L30007
L30012	X-Long, Fiber Optic Light Carrier	Kleinsassar Type L30005
L30013	Light carrier fittings - Storz	
L30014	Light carrier fittings - Wolfe	
L550-1330	Fiber Optic Light Carrier with clip for proximal illumination	



SUCTIONS

Number	Description	Compatible Laryngoscope Models
L30110	Suction / Smoke Evacuator	Kleinsassar Type L30001 - L30005
L30111	Suction / Smoke Evacuator	Kleinsassar Type L30006 - L30007





ROTATING FORCEPS AND SCISSORS

- Full 360° rotation through finger post facilitates
- Double action jaws
- Working Length: 22 cm

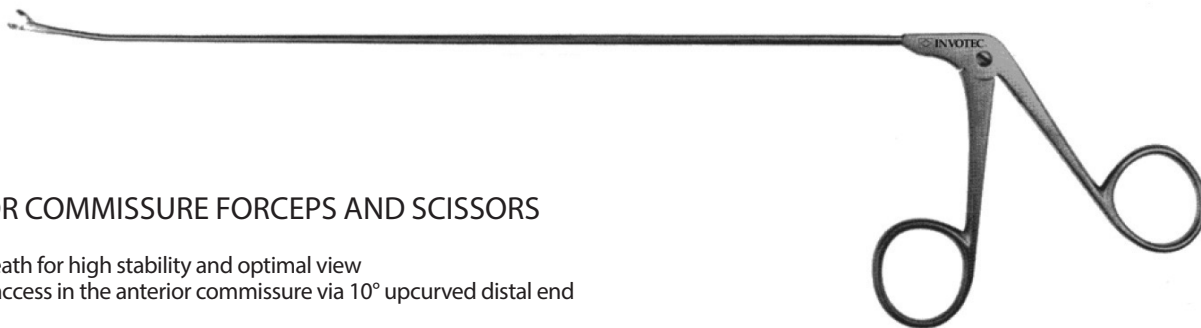
Forceps

Number	Description		
L32203	Cutting Forceps with round cupped double action jaws	2 mm Ø	curved
L32206	Alligator Forceps with serrated, double action jaws		curved
L32207	Grasping Forceps with triangular, serrated, double action jaws		curved upwards



Scissors

Number	Description	
L32210	Scissors	curved



ANTERIOR COMMISSURE FORCEPS AND SCISSORS

- Conical sheath for high stability and optimal view
- Optimum access in the anterior commissure via 10° upcurved distal end

Cutting Forceps

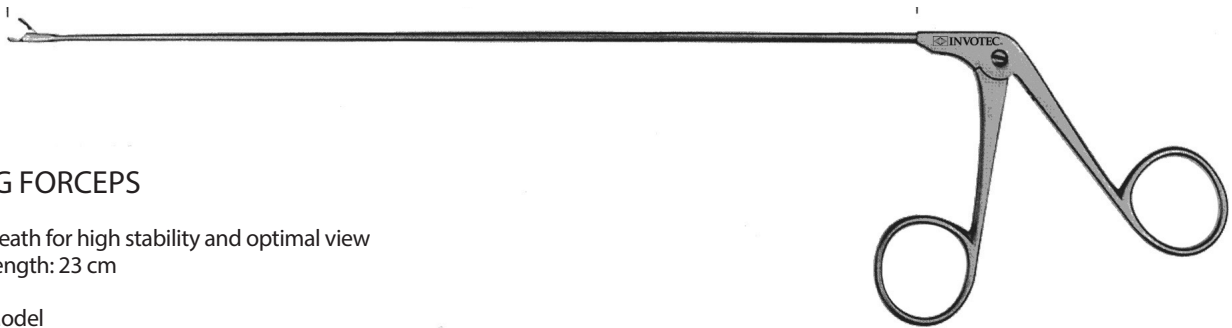
Number	Description		
L32101	Cutting Forceps with round, cupped jaws	2 mm Ø	straight
L32102	Cutting Forceps with round, cupped jaws	2 mm Ø	curved upwards
L32103	Cutting Forceps with round, cupped jaws	2 mm Ø	curved right
L32104	Cutting Forceps with round, cupped jaws	2 mm Ø	curved left



Scissors

Number	Description	
L32108	Scissors	straight
L32109	Scissors	upcurved 45°
L32110	Scissors	curved right
L32111	Scissors	curved left





CUTTING FORCEPS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

Standard Model

Number	Description		
L32001	Cutting Forceps with round cupped jaws	2 mm Ø	straight
L32002	Cutting Forceps with round cupped jaws	2 mm Ø	curved upwards
L32003	Cutting Forceps with round cupped jaws	2 mm Ø	curved right
L32004	Cutting Forceps with round cupped jaws	2 mm Ø	curved left
L32050	Cutting Forceps with round cupped jaws	2 mm Ø	curved upwards right
L32051	Cutting Forceps with round cupped jaws	2 mm Ø	curved upwards left
L32052	Cutting Forceps with round cupped jaws, horizontal opening	2 mm Ø	curved right
L32053	Cutting Forceps with round cupped jaws, horizontal opening	2 mm Ø	curved left
L32150	Cutting Forceps with long oval cupped jaws		curved upwards
L32151	Cutting Forceps with long oval cupped jaws, opening right		upcurved
L32152	Cutting Forceps with long oval cupped jaws, opening left		upcurved

Heavy Model

Number	Description		
L32040	Forceps with oval cupped jaws	3x5 mm	straight
L32041	Forceps with round cupped jaws	4 mm Ø	straight
L32042	Forceps with round cupped jaws	4 mm Ø	curved upwards
L32043	Forceps with round cupped jaws	4 mm Ø	curved right
L32044	Forceps with round cupped jaws	4 mm Ø	curved left

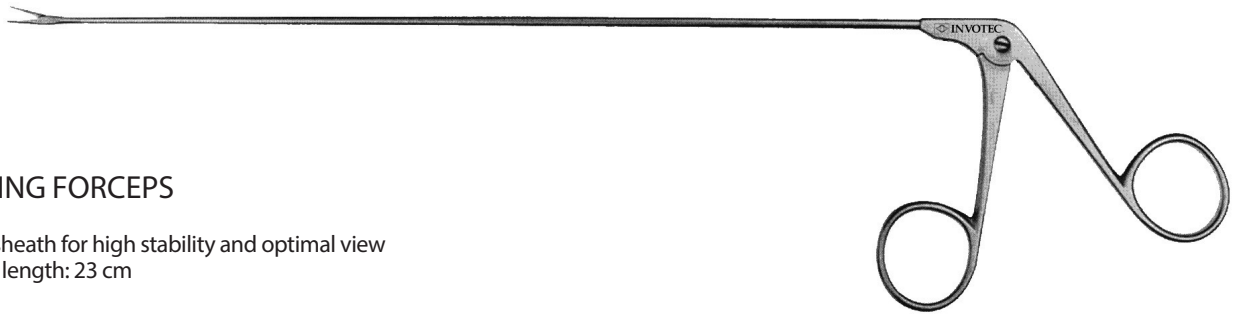
Double Action Model

Number	Description		
L32046	Cutting Forceps with round cupped, double action jaws	5 mm Ø	straight

Miniature, Very Delicate Model

Number	Description		
L32060	Miniature Cutting Forceps with cupped jaws	1 mm Ø	straight
L32061	Miniature Cutting Forceps with cupped jaws	1 mm Ø	curved upwards
L32062	Miniature Cutting Forceps with cupped jaws	1 mm Ø	curved right
L32063	Miniature Cutting Forceps with cupped jaws	1 mm Ø	curved left
L32064	Miniature Cutting Forceps with cupped jaws	1 mm Ø	curved upwards right
L 32065	Miniature Cutting Forceps with cupped jaws	1 mm Ø	curved upwards left

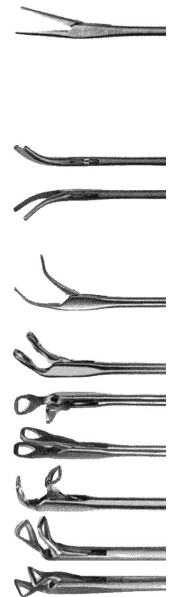



GRASPING FORCEPS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

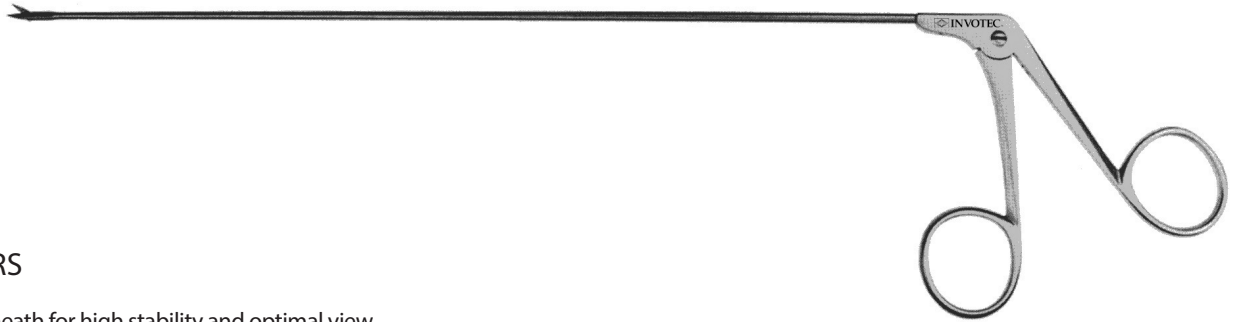
Standard Model

Number	Description		
L32105	Artery Forceps with ratchet	serrated	straight
L32005	Alligator Forceps	serrated	straight
L32006	Alligator Forceps	serrated	curved right
L32007	Alligator Forceps	serrated	curved left
L32215	Alligator Forceps, horizontal opening	serrated	straight
L32054	Alligator Forceps	serrated	curved up
L32154	Alligator Forceps, horizontal opening	serrated	curved up
L32055	Forceps with triangular jaws	curved up	opening right
L32056	Forceps with triangular jaws	curved up	opening left
L32058	Forceps with triangular jaws	straight	
L32059	Forceps with triangular jaws	curved up	
L32068	ARNOLD Vocal Cord Holding Forceps with triangular jaws		for right side
L32069	ARNOLD Vocal Cord Holding Forceps with triangular jaws		for left side


Minature, Very Delicate Model

Number	Description		
L32070	Miniature Grasping Forceps	serrated	straight
L32071	Miniature Grasping Forceps	serrated	curved upwards
L32072	Miniature Grasping Forceps	serrated	curved right
L32073	Miniature Grasping Forceps	serrated	curved left
L32076	Miniature Grasping Forceps with triangular jaws	serrated	curved right
L32077	Miniature Grasping Forceps with triangular jaws	serrated	curved left





SCISSORS

- Conical sheath for high stability and optimal view
- Working length: 23 cm

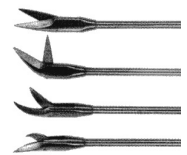
Standard Model

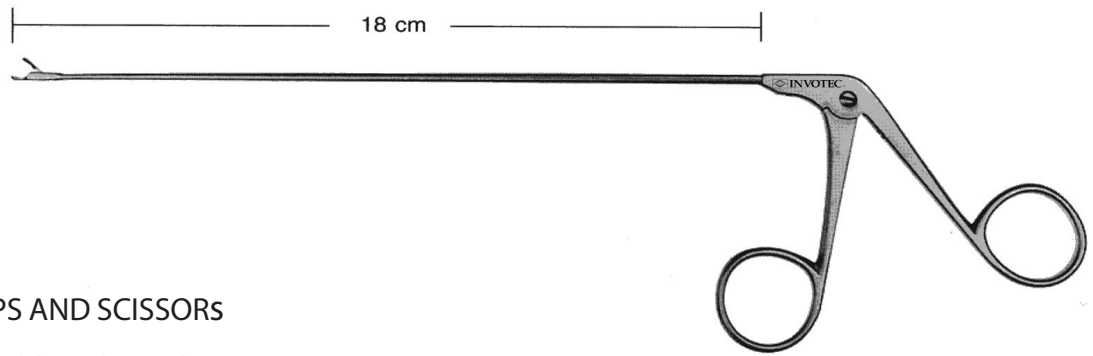
Number	Description	
L32008	Scissors	straight
L32009	Scissors	curved up 45°
L32115	Scissors	curved up 15°
L32010	Scissors	curved right
L32011	Scissors	curved left
L32057	Scissors, horizontal cutting	straight



Miniature, Very Delicate Model

Number	Description	
L32080	Miniature Scissors	straight
L32081	Miniature Scissors	curved up 45°
L32082	Miniature Scissors	curved right
L32083	Miniature scissors	curved left





PEDIATRIC FORCEPS AND SCISSORS

- Conical sheath for high stability and optimal view
- Working length: 18 cm

Cutting Forceps

Number	Description		
L31902	Cutting Forceps with cupped jaws	2 mm Ø	straight
L31903	Cutting Forceps with cupped jaws	2 mm Ø	curved up
L31904	Cutting Forceps with cupped jaws	3 mm Ø	straight
L31905	Cutting Forceps with cupped jaws	3 mm Ø	curved up
L31906	Cutting Forceps with cupped jaws	1 mm Ø	straight
L31907	Cutting Forceps with cupped jaws	1 mm Ø	curved up
L31930	Cutting Forceps with cupped jaws with horizontal opening and malleable distal end	4 mm Ø	

Grasping Forceps

L31910	Alligator Forceps with serrated jaws	straight
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Scissors

Number	Description	
L31920	Scissors	straight
L31921	Scissors	upcurved 45°
L31922	Scissors	curved right
L31923	Scissors	curved left



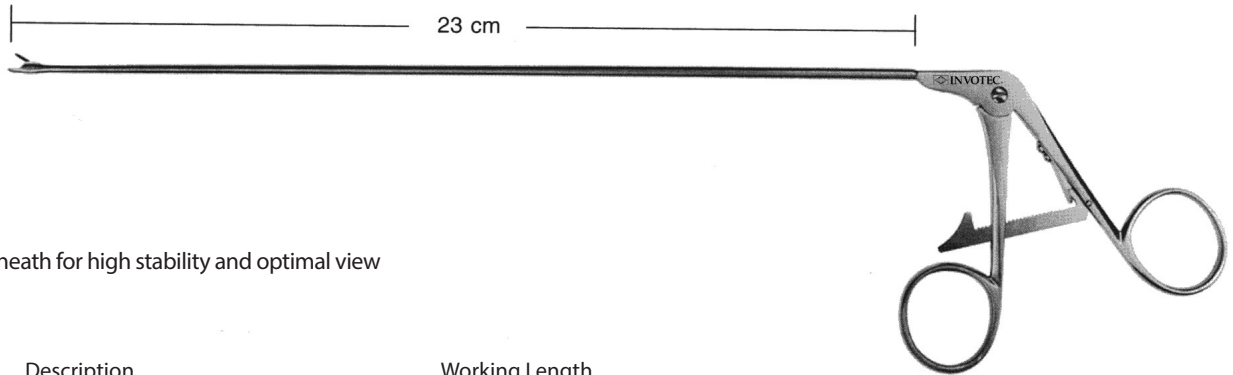


UNIPOLAR COAGULATION FORCEPS

- Unipolar coagulation
- 360° rotatable
- Laser smoke evacuation

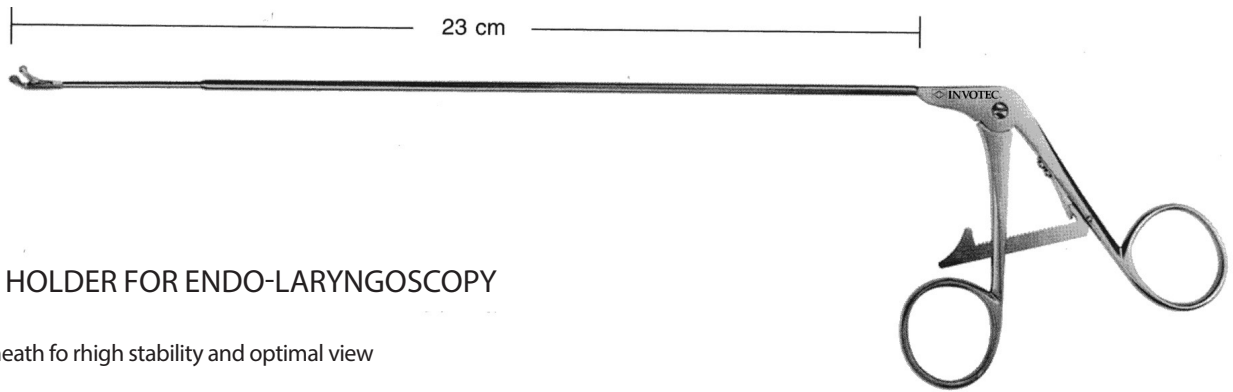
Number	Description				Shaft	Working Length
L040023	Unipolar coagulation forceps with smoke evacuation channel	Rotatable	Serrated	Straight	3.0 mm	23 cm
L040223	Unipolar coagulation forceps with smoke evacuation channel	Rotatable	Serrated	Straight	3.0 mm	23 cm
L040423	Unipolar coagulation forceps with smoke evacuation channel	Rotatable	Serrated	Straight	3.0 mm	23 cm
L040623	Unipolar coagulation forceps with smoke evacuation channel	Rotatable	Serrated	Straight	3.0 mm	23 cm





- Conical sheath for high stability and optimal view

Number	Description	Working Length
L32036	Needle Holder with ratchet, conical sheath	23 cm



NEEDLE HOLDER FOR ENDO-LARYNGOSCOPY

- Conical sheath for high stability and optimal view

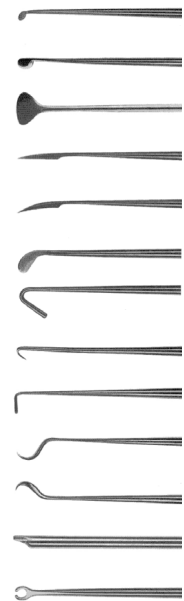
Number	Description	Working Length
L32037	Needle holder with ratchet, delicate with rounded, serrated jaws	1.6 mm Ø upcurved 23 cm



MICROSURGERY INSTRUMENTS

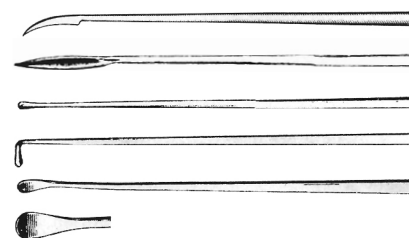
Number	Description
L32025	Handle for use with L32013-L32116

Number	Description
L32013	Knife Round 45° angle 2.5 mm Ø
L32014	Knife Round Verticle cutting
L32015	Knife Oval Straight
L32016	Knife Straight cutting
L32116	Knife Sickle shaped Curved
L32017	Knife Golf club shaped
L32018	Hook Blunt
L32019	Hook Sharp
L32024	Hook Probe end 90° angle
L32020	Needle Curved right
L32021	Needle Curved left
L32022	Elevator with suction channel
L32023	Knot Tier



JAKO ENDOLARYNGEAL MICROSURGERY

Number	Description
L44510	JAKO Laryngeal Sickle Knife Knife length: 8 mm
L44511	JAKO Laryngeal Knife Knife length: 8 mm
L44520	JAKO Laryngeal Probe
L44521	JAKO Laryngeal Hook
L44540	JAKO Laryngeal Dissector Blunt



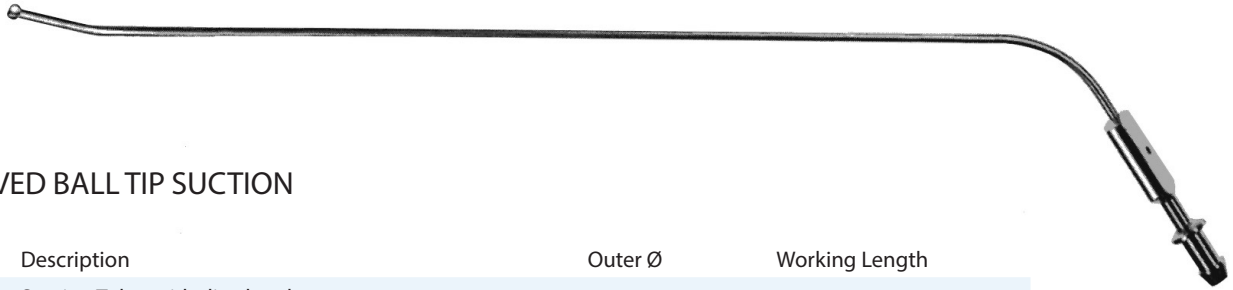


MICRO LARYNGEAL BLADE HANDLE

- Collet designed to hold sterile micro blades

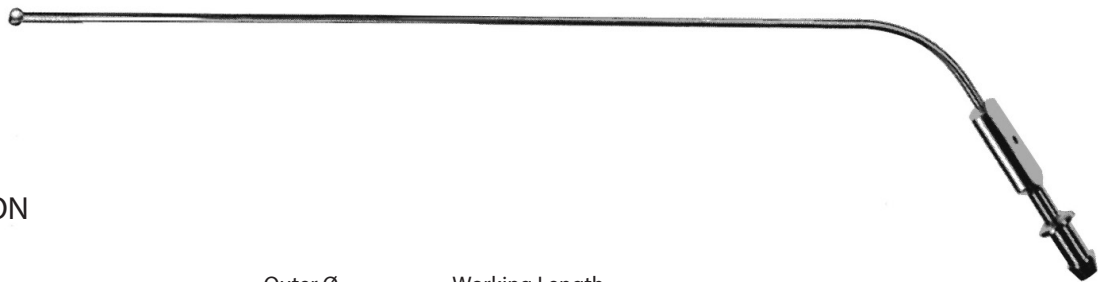
Number	Description	Working Length	Wing Dimension
60-44300	Harris Micro Laryngeal Blade Handle*	22.5 cm	42 x 25 mm

* Designed in conjunction with Thomas Harris MA FRCS. London, UK.



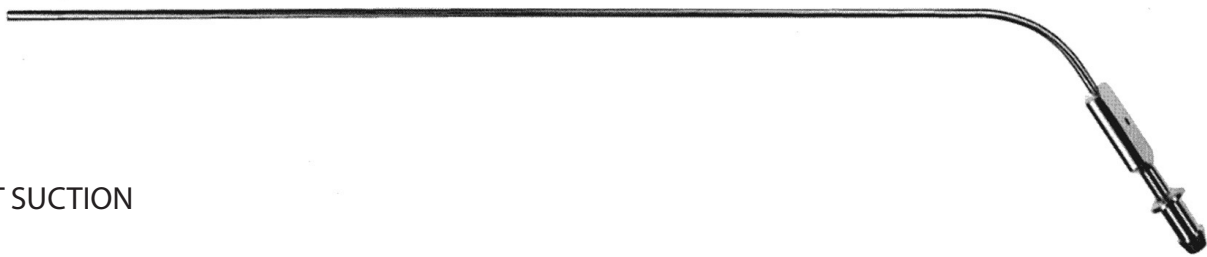
UPCURVED BALL TIP SUCTION

Number	Description	Tip	Outer Ø	Working Length
L32029	Suction Tube with distal end upcurved	Tip ball shape	2 mm	25 cm
L32039	Suction Tube with distal end upcurved	Tip ball Shape	3 mm	25 cm



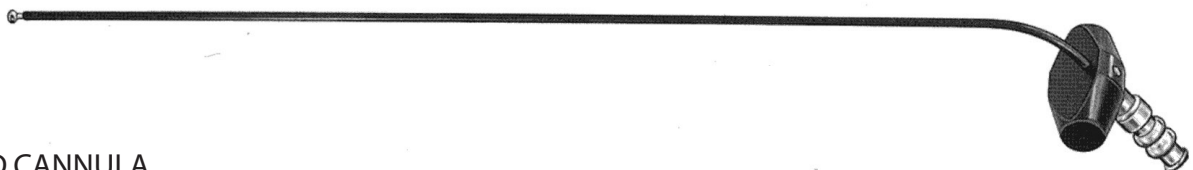
PEDIATRIC SUCTION

Number	Description	Outer Ø	Working Length
L31932	Pediatric Suction Tube with ball end	2 mm	20 cm
L31933	Pediatric Suction Tube with ball end	3 mm	20 cm



STRAIGHT SUCTION

Number	Description	Outer Ø	Working Length
L32026	Suction Tube	2 mm	25 cm
L32027	Suction Tube	2.5 mm	25 cm
L32028	Suction Tube	3 mm	25

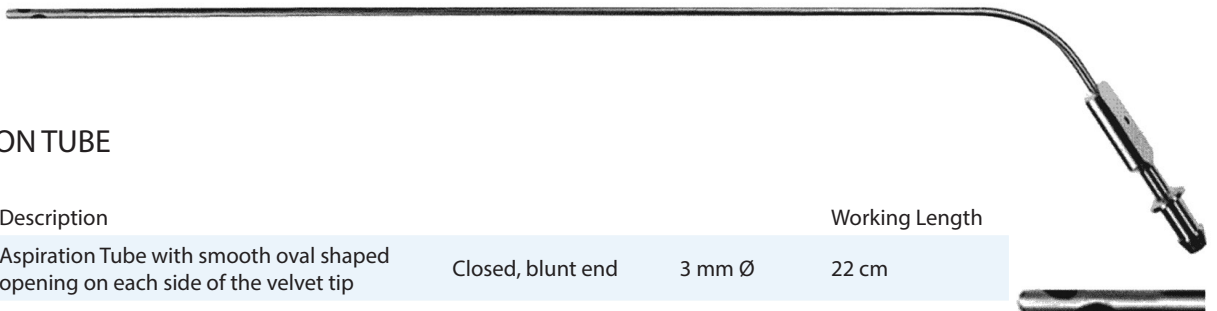


INSULATED CANNULA

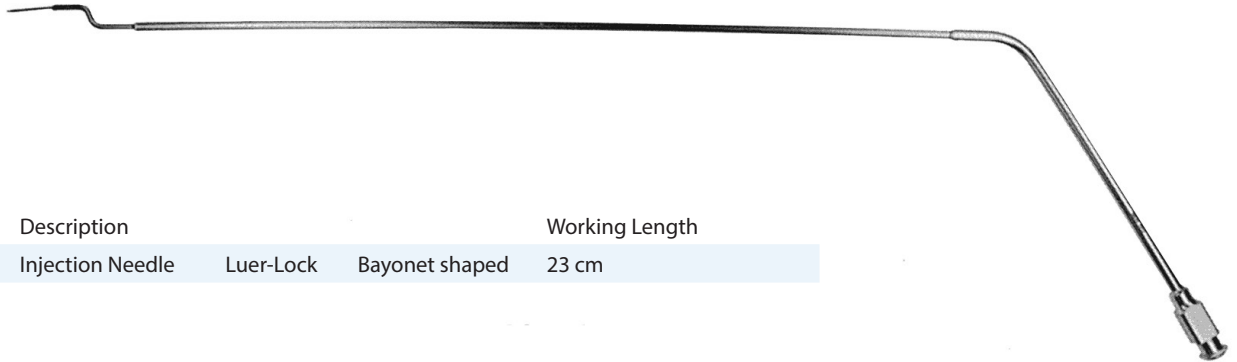
Number	Description	Outer Ø
L32030	Insulated Cannula for suction and coagulation	3 mm


COTTON CARRIER

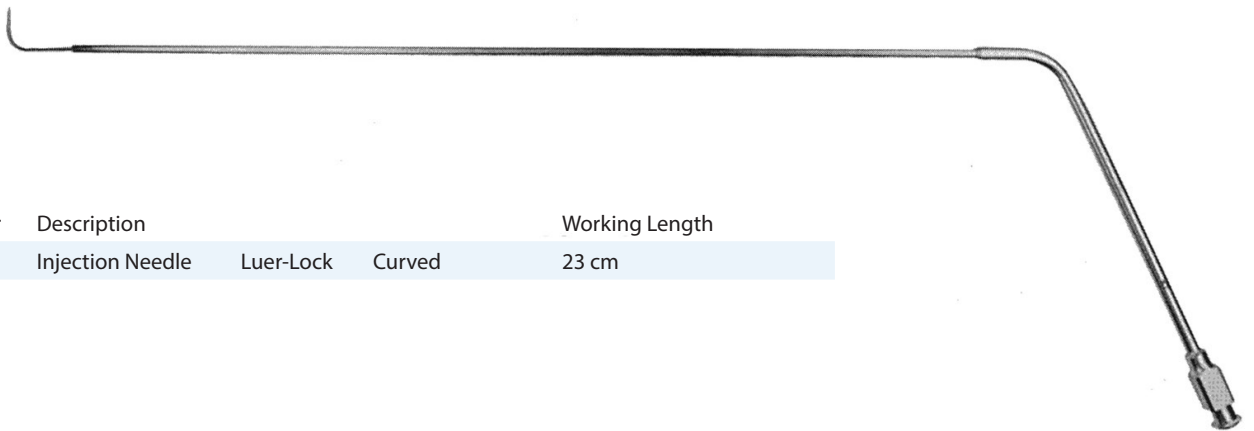
Number	Description	Working Length	Outer Ø
L32128	Cotton Carrier Twist end serrated	28 cm	2.5 mm


ASPIRATION TUBE

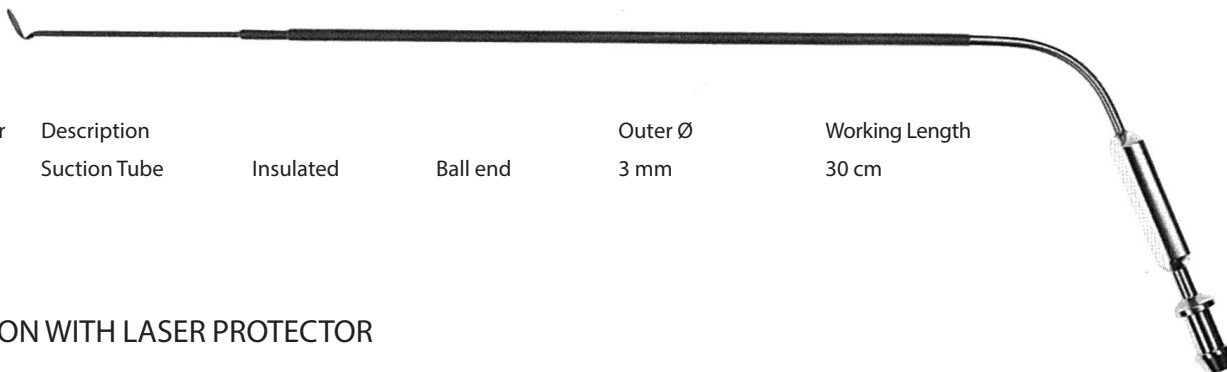
Number	Description	Working Length
L32220	Aspiration Tube with smooth oval shaped opening on each side of the velvet tip	Closed, blunt end 3 mm Ø 22 cm
L32221	Aspiration Tube with smooth oval shaped opening on each side of the velvet tip	Closed, blunt end 4 mm Ø 22 cm



Number	Description			Working Length
L32130	Injection Needle	Luer-Lock	Bayonet shaped	23 cm



Number	Description			Working Length
L32131	Injection Needle	Luer-Lock	Curved	23 cm



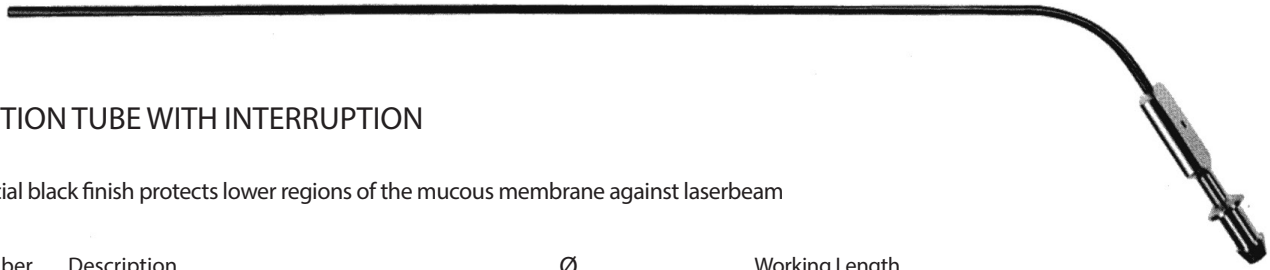
Number	Description	Insulated	Ball end	Outer Ø	Working Length
L41230	Suction Tube	Insulated	Ball end	3 mm	30 cm

SUCTION WITH LASER PROTECTOR

- Special black finish protects lower regions of the mucous membrane against laserbeam

Number	Description	Black	Round	Upcurved	Outer Ø	Working Length
L41003	Suction Tube with laser-protector and smoke evacuation channel	Black	Round	Upcurved	3 mm Ø	23 cm
L41004	Suction Tube with laser-protector and smoke evacuation channel	Black	Round	Upcurved	4 mm Ø	23 cm
L41005	Suction Tube with laser-protector and smoke evacuation channel	Black	Round	Upcurved	5 mm Ø	23 cm
L41007	Suction Tube with laser-protector and smoke evacuation channel	Black	Oval	Upcurved	7 mm Ø	23 cm
L41009	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side	Black	Oval	Straight		23 cm
L41010	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole right side	Black	Oval	Straight		23 cm
L41011	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side	Black	Corner Shaped			23 cm
L41012	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole right side	Black	Corner Shaped			23 cm
L41013	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side	Black	Bayonet Shaped			23 cm
L41014	Suction Tube with laser-protector and smoke evacuation channel, distal suction hole left side	Black	Bayonet Shaped			23cm
L41016	Suction Tube with laser-protector and smoke evacuation channel for larynx and trachea	Black	Upcurved		10x10 mm	26 cm
L41017	Suction Tube with laser-protector and smoke evacuation channel for hypopharyngeal diverticulum, slightly upcurved and 7 mm wide	Black	Upcurved		10x10 mm	23cm

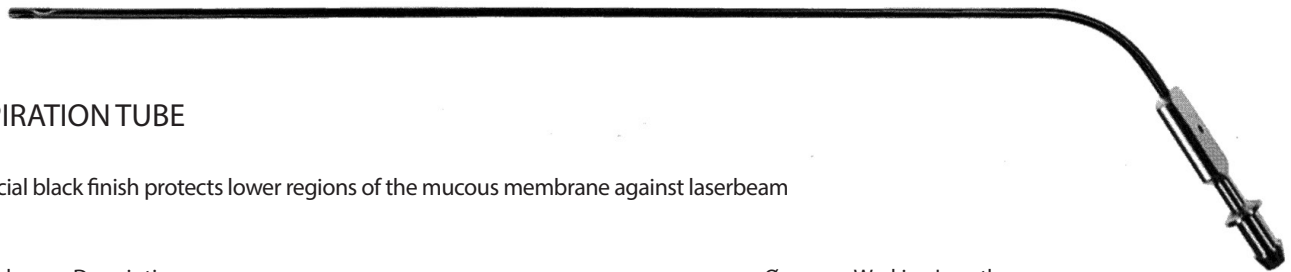




SUCTION TUBE WITH INTERRUPTION

- Special black finish protects lower regions of the mucous membrane against laserbeam

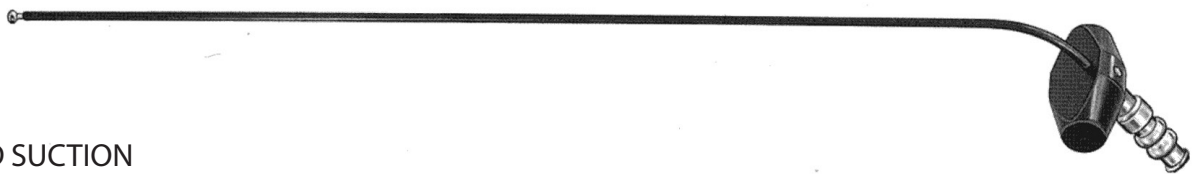
Number	Description		Ø	Working Length
L41025	Suction Tube with interruption	Black	2.5 mm	23 cm
L41030	Suction Tube with interruption	Black	3 mm	23 cm



ASPIRATION TUBE

- Special black finish protects lower regions of the mucous membrane against laserbeam

Number	Description		Ø	Working Length
L41033	Aspiration Tube with smooth oval shaped opening on each side of velvet tip	Black	Closed, blunt end	3 mm 22 cm



INSULATED SUCTION

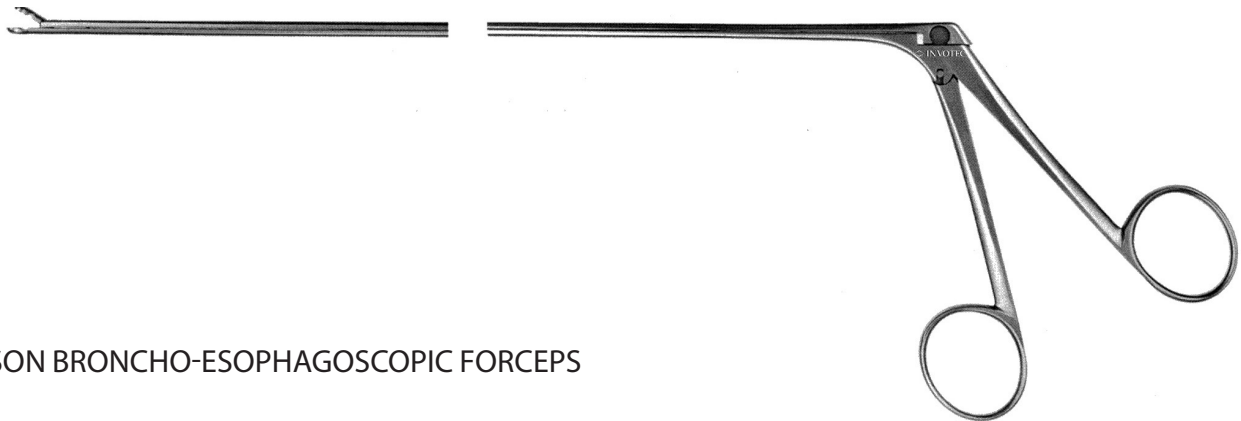
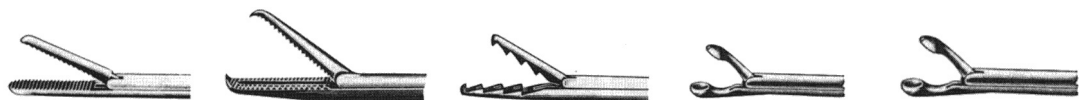
Number	Description		Ø	Working Length
L41130	Insulated Suction and coagulation cannula	Unipolar	3 mm Ø	23 cm



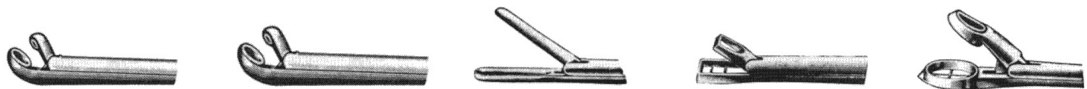
INSULATED SUCTION

Number	Description			Outer Ø	Working Length
L41225	Suction Tube	Insulated	Ball end	2.5 mm	30 cm

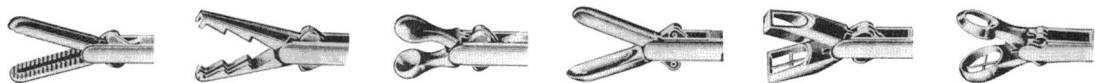
LARINS


JACKSON BRONCHO-ESOPHAGOSCOPIC FORCEPS
Single Action Jaws


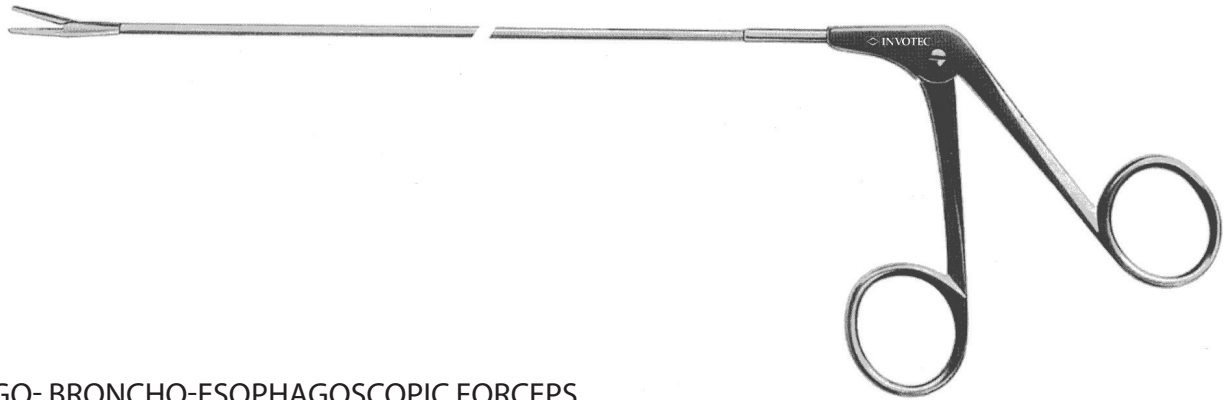
Shaft Length				2 mm Ø	4 mm Ø
30 cm	L31304	L31305	L31306	L31312	L31313
40 cm	L31404	L31405	L31406	L31412	L31413
50 cm	L31504	L31505	L31506	L31512	L31513
60 cm	L31604	L31605	L31606	L31612	L31613



Shaft Length	2 mm Ø	4 mm Ø			
30 cm	L31317	L31319	L31320	L31331	L31335
40 cm	L31417	L31419	L31420	L31431	L31435
50 cm	L31517	L31519	L31520	L31531	L31535
60 cm	L31617	L31619	L31620	L31631	L31635

Double Action Jaws


Shaft Length						
30 cm	L32304	L32306	L32314	L32320	L31331	L32335
40 cm	L32404	L32406	L32414	L32420	L32431	L32435
50 cm	L32504	L32506	L32514	L32520	L32531	L32535
60 cm	L32604	L32606	L32614	L32620	L32631	L32635



LARYNGO- BRONCHO-ESOPHAGOSCOPIC FORCEPS

Shaft Length					
40 cm	L40850	L40862	L40864	L40866	L40876
50 cm	L50850	L50862	L50864	L50866	L50876
60 cm	L60850	L60862	L60864	L60866	L60876

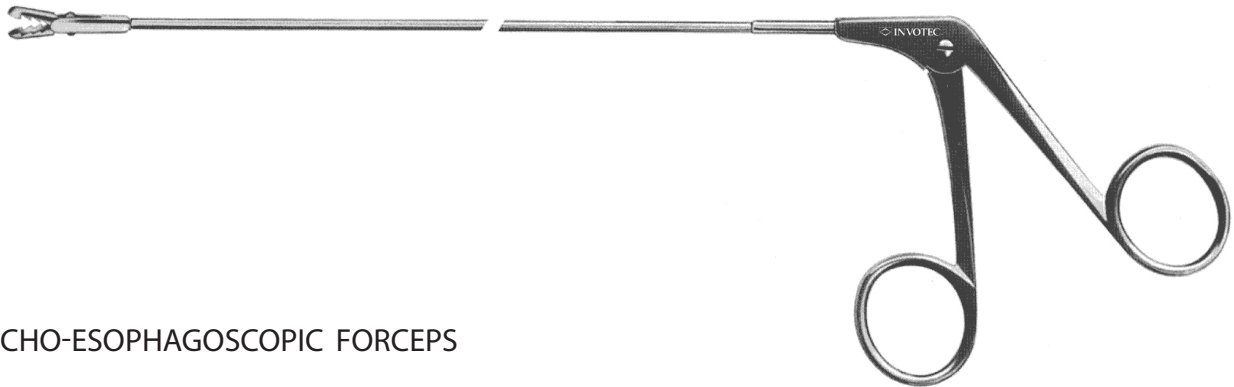
Shaft Length					
40 cm	L40878	L40879	L40882	L40884	L40890
50 cm	L50878	L50879	L50882	L50884	L50890
60 cm	L60878	L60879	L60882	L60884	L60890

Shaft Length			
40 cm	L40892	L40894	L40896
50 cm	L50892	L50894	L50896
60 cm	L60892	L60894	L60896

Child Sizes

Shaft Length						
35 cm	L35710	L35730	L35732	L35790	L35792	L35793

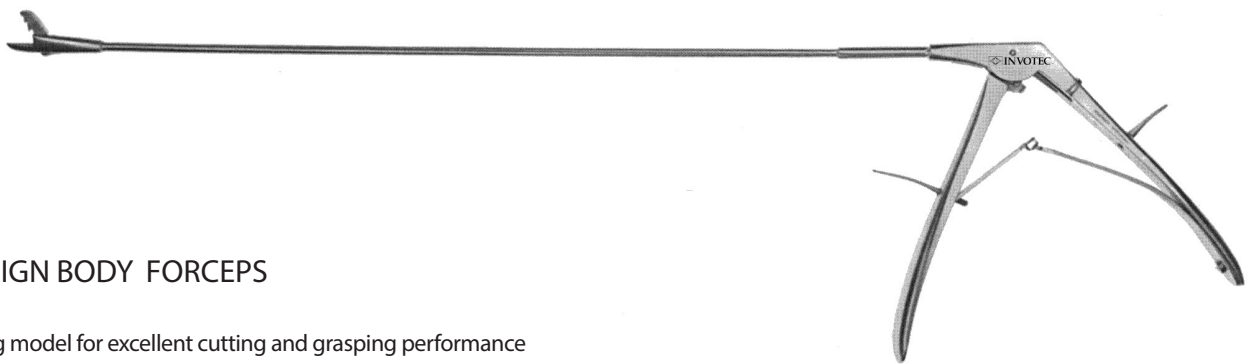
Shaft Length					
35 cm	L35794	L35796	L35812	L35814	L35816


BRONCHO-ESOPHAGOSCOPIC FORCEPS

- Double action jaws



Shaft Length	1.5 mm Ø	1.5 mm Ø	1.5mm Ø	1.5 mm Ø
25 cm	L85125	L85225	L85325	L85425
35 cm	L85135	L85235	L85335	L85435
Shaft Length	2.0 mm Ø	2.0 mm Ø	2.0 mm Ø	2.0 mm Ø
35 cm	L85140	L85240	L85340	L85440
Shaft Length	2.5 mm Ø	2.5 mm Ø	2.5 mm Ø	2.5 mm Ø
55 cm	L85150	L85250	L85350	L85450


FOREIGN BODY FORCEPS

- Strong model for excellent cutting and grasping performance
- Cuts up to 1.2mm Ø wires

Shaft Length	2.5 mm Ø
35 cm	L85535
45 cm	L85545

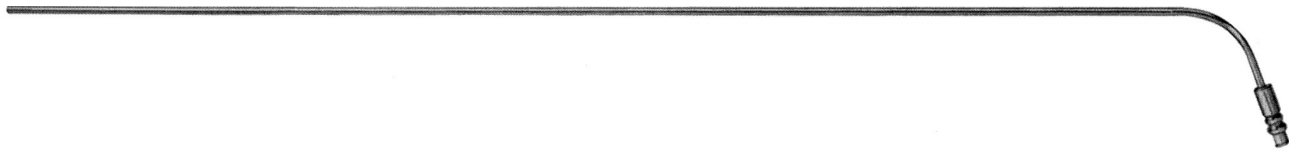
FLEXIBLE ENDOSCOPY



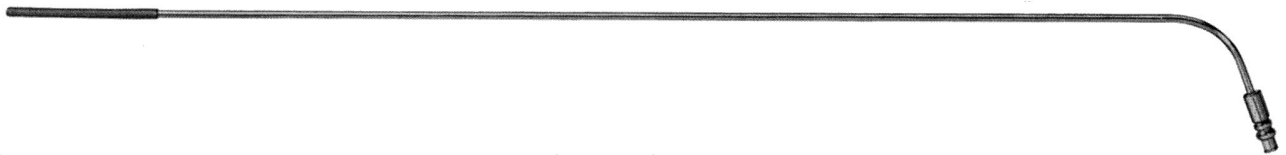
- Stainless steel
- Spiral of highest flexibility
- Solidly constructed handles
- Autoclavable by all the conventional methods

Serrated	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47005	L47025	L47055	L47085	L47095
2.3 mm Ø	L47007	L47027	L47057	L47087	L47097
2x2 Teeth	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47205	L47225	L47255	L47285	L47295
2.3 mm Ø	L47207	L47227	L47257	L47287	L47297
Three Clawed	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47305	L47325	L47355	L47385	L47395
2.3 mm Ø	L47307	L47327	L47357	L47387	L47397
1x2 Teeth	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47605	L47625	L47655	L47685	L47695
2.3 mm Ø	L47607	L47627	L47657	L47687	L47697
Pike Teeth	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47805	L47825	L47855	L47885	L47895
2.3 mm Ø	L47807	L47827	L47857	L47887	L47897
Serrated Cup Jaws	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L47905	L47925	L47955	L47985	L47995
2.3 mm Ø	L47907	L47927	L47957	L47987	L47997
Round Cup Jaws	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L48005	L48025	L48055	L48085	L48095
2.3 mm Ø	L48007	L48027	L48057	L48087	L48097
Round Cup Jaws with Pin	90 cm	120 cm	150 cm	180 cm	230 cm
2.3 mm Ø	L48107	L48127	L48157	L48187	L48197
Oval Cup Jaws	90 cm	120 cm	150 cm	180 cm	230 cm
1.8 mm Ø	L48205	L48225	L48255	L48285	L48295
2.3 mm Ø	L48207	L48227	L48257	L48287	L48297
Oval Cup Jaws with Pin	90 cm	120 cm	150 cm	180 cm	230 cm
2.3 mm Ø	L48307	L48327	L48357	L48387	L48397
1 Blade Serrated	90 cm	120 cm	150 cm	180 cm	230 cm
2.3 mm Ø	L48807	L48827	L48857	L48887	L48897





Number	Description		Working Length
L18035	Rigid Suction Tube	2.5 mm Ø	25 cm
L18050	Rigid Suction Tube	4 mm Ø	50 cm

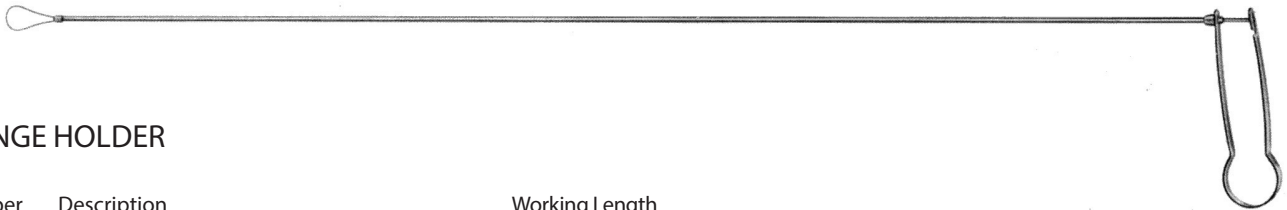


Number	Description		Working Length
L18135	Rigid Suction Tube with flexible rubber tip		35 cm
L18150	Rigid Suction Tube with flexible rubber tip		50 cm



COTTON CARRIERS

Number	Description	Working Length
L18335	Cotton Carrier	35 cm
L18350	Cotton Carrier	50 cm



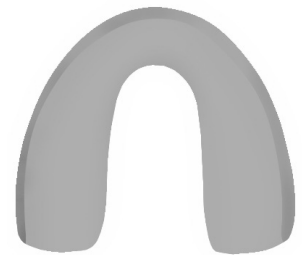
SPONGE HOLDER

Number	Description	Working Length
L18440	Sponge Holder	1 x 2 teeth 38 cm

TEETH PROTECTORS

- Can also be used as inlet for metal teeth protector (non-autoclavable)

Number	Description
L96050	Plastic Teeth Protector



R&CS ACC

DIS

OTO ACC

OSS

LAR ACC

SPE ACC

RHI INS

PSB

OTO INS

LAR INS

ORO/NAS INS

LA FORCE ADENOTOME

Number	Description		Working Length
L11110	Adenotome by La Force	Size 0	23.5 cm
L11111	Adenotome by La Force	Size 1	23.5 cm
L11112	Adenotome by La Force	Size 2	23.5 cm
L11113	Adenotome by La Force	Size 3	23.5 cm


SHAMBAUGH ADENOTOME

Number	Description		Working Length
L11150	Adenotome by Shambaugh	Size 0	23.5 cm
L11151	Adenotome by Shambaugh	Size 1	23.5 cm
L11152	Adenotome by Shambaugh	Size 2	23.5 cm
L11153	Adenotome by Shambaugh	Size 3	23.5 cm


ADENOTOME REPLACEMENT BLADES

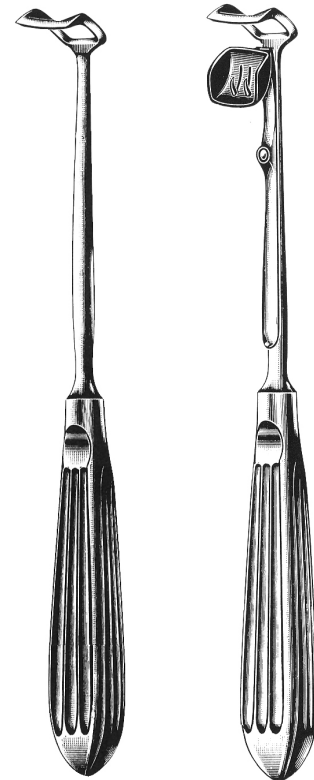
Number	Description		Length
L11190	Replacement blades	Size 0	10mm
L11191	Replacement blades	Size 1	13 mm
L11192	Replacement blades	Size 2	16 mm
L11193	Replacement blades	Size 3	19 mm



BECKMANN ADENOID CURRETTE

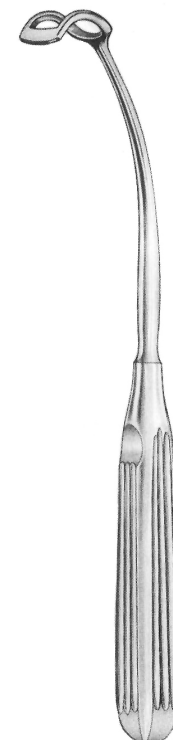
Number	Description			Blade Width	Overall Length
L40200	Reverse Curve Curette	Size 0	Straight	10.5 mm	22 cm
L40201	Reverse Curve Curette	Size 1	Straight	13 mm	22 cm
L40202	Reverse Curve Curette	Size 2	Straight	14.5 mm	22 cm
L40203	Reverse Curve Curette	Size 3	Straight	16 mm	22 cm
L40204	Reverse Curve Curette	Size 4	Straight	18 mm	22 cm
L40205	Reverse Curve Curette	Size 5	Straight	20.5 mm	22 cm

Number	Description			Blade Width	Overall Length
L13460	Reverse Curve Curette with basket	Size 1	Straight	10 mm	22 cm
L13461	Reverse Curve Curette with basket	Size 2	Straight	11 mm	22 cm
L13462	Reverse Curve Curette with basket	Size 3	Straight	12 mm	22 cm
L13463	Reverse Curve Curette with basket	Size 4	Straight	13 mm	22 cm
L13465	Reverse Curve Curette with basket	Size 5	Straight	15 mm	22 cm
L13466	Reverse Curve Curette with basket	Size 6	Straight	16 mm	22 cm



SHAMBAUGH ADENOID CURRETTE

Number	Description			Blade Width	Overall Length
L14710	Adenoid Curette	Size 0	Curved backwards	10 mm	22 cm
L14712	Adenoid Curette	Size 2	Curved backwards	12 mm	22 cm
L14714	Adenoid Curette	Size 3	Curved backwards	13 mm	22 cm
L14716	Adenoid Curette	Size 4	Curved backwards	15 mm	22 cm
L14718	Adenoid Curette	Size 5	Curved backwards	16 mm	22 cm





ST. CLAIR-THOMSON ADENOID CURRETTE

Number	Description			Blade Width	Overall Length
L40300	Reverse Curve Curette with basket	Size 0	Straight	10.5 mm	22 cm
L40301	Reverse Curve Curette with basket	Size 1	Straight	13 mm	22 cm
L40302	Reverse Curve Curette with basket	Size 2	Straight	14.5 mm	22 cm
L40303	Reverse Curve Curette with basket	Size 3	Straight	16.5 mm	22 cm
L40304	Reverse Curve Curette with basket	Size 4	Straight	18 mm	22 cm
L40305	Reverse Curve Curette with basket	Size 5	Straight	20.5 mm	22 cm



BARNHILL ADENOID CURRETTE

Number	Description			Blade Width	Overall Length
L40400	Adenoid Curette	Size 0	Curved	10.5 mm	21.5 cm
L40401	Adenoid Curette	Size 1	Curved	13 mm	21.5 cm
L40402	Adenoid Curette	Size 2	Curved	14.5 mm	21.5 cm
L40403	Adenoid Curette	Size 3	Curved	16.5 mm	21.5 cm
L40404	Adenoid Curette	Size 4	Curved	18 mm	21.5 cm



JONES ADENOID CURRETTE

Number	Description			Blade Width	Overall Length
L40701	Adenoid Curette	Infant	Straight	4 mm	22.5 cm
L40702	Adenoid Curette	Child	Straight	6 mm	22.5 cm
L40703	Adenoid Curette	Adult	Straight	8 mm	22.5 cm



VOGEL ADENOID CURRETTE

Number	Description			Blade Width	Overall Length	
L40800	Adenoid Curette	Infant	Curved	9 x 12 mm	7 mm	21.5 cm



MIDDLETON ADENOID CURRETTE

Number	Description		Blade Width	Overall Length
L40850	Long and Narrow Adenoid Curette	25 x 10 mm	7 mm	22.5 cm



STUBBS ADENOID CURRETTE

Number	Description			Blade Width	Overall Length
L40900	Adenoid Curette with angulated shaft	Size 0	Curved	11 mm	22 cm
L40901	Adenoid Curette with angulated shaft	Size 1	Curved	14 mm	22 cm
L40902	Adenoid Curette with angulated shaft	Size 2	Curved	16 mm	22 cm
L40903	Adenoid Curette with angulated shaft	Size 3	Curved	18 mm	22 cm



BECKMANN DISPOSIBLE ADENOID CURRETTE

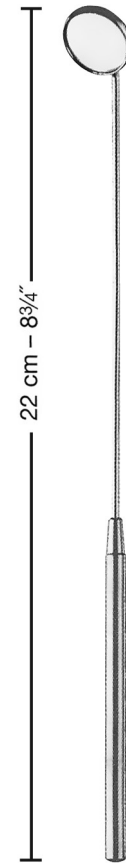
• Sterile

Number	Description			Blade Width	Overall Length
25-2110	Adenoid Curette without basket	Size 1	Straight	10 mm	22 cm
25-2120	Adenoid Curette without basket	Size 2	Straight	11 mm	22 cm
25-2130	Adenoid Curette without basket	Size 3	Straight	12 mm	22 cm
25-2140	Adenoid Curette without basket	Size 4	Straight	13 mm	22 cm

LARYNGEAL MIRROR ON HANDLE

- Autoclavable
- Stainless Steel

Number	Description	Size	Diameter
L34806	Mirror attached on handle	000	6 mm
L34808	Mirror attached on handle	00	8 mm
L34810	Mirror attached on handle	0	10 mm
L34812	Mirror attached on handle	1	12 mm
L34814	Mirror attached on handle	2	14 mm
L34816	Mirror attached on handle	3	16 mm
L34818	Mirror attached on handle	4	18 mm
L34820	Mirror attached on handle	5	20 mm
L34822	Mirror attached on handle	6	22 mm
L34824	Mirror attached on handle	7	24 mm
L34826	Mirror attached on handle	8	26 mm
L34828	Mirror attached on handle	9	28 mm
L34830	Mirror attached on handle	10	30 mm


LARYNGEAL MIRROR AND HANDLE

- Autoclavable
- Stainless Steel
- For use with octagonal handle L53700

Number	Description	Size	Diameter
L53620	Mirror with threaded shaft	00	8 mm
L53600	Mirror with threaded shaft	0	10 mm
L53601	Mirror with threaded shaft	1	12 mm
L53602	Mirror with threaded shaft	2	14 mm
L53603	Mirror with threaded shaft	3	16 mm
L53604	Mirror with threaded shaft	4	18 mm
L53605	Mirror with threaded shaft	5	20 mm
L53606	Mirror with threaded shaft	6	22 mm
L53607	Mirror with threaded shaft	7	24 mm
L53608	Mirror with threaded shaft	8	26 mm
L53609	Mirror with threaded shaft	9	28 mm
L53610	Mirror with threaded shaft	10	30 mm

Number	Description	Overall Length
L53700	Octagonal mirror handle For use with mirrors L53600-L53620	75 mm



RHODIUM LARYNGEAL MIRROR AND HANDLE

- Autoclavable
- Stainless Steel
- For use with octagonal handle L54100

Number	Description	Size	Diameter
L54320	Rhodium plated mirror with standard shaft	00	8 mm
L54300	Rhodium plated mirror with standard shaft	0	10 mm
L54301	Rhodium plated mirror with standard shaft	1	12 mm
L54302	Rhodium plated mirror with standard shaft	2	14 mm
L54303	Rhodium plated mirror with standard shaft	3	16 mm
L54304	Rhodium plated mirror with standard shaft	4	18 mm
L54305	Rhodium plated mirror with standard shaft	5	20 mm
L54306	Rhodium plated mirror with standard shaft	6	22 mm
L54307	Rhodium plated mirror with standard shaft	7	24 mm
L54308	Rhodium plated mirror with standard shaft	8	26 mm
L54309	Rhodium plated mirror with standard shaft	9	28 mm
L54310	Rhodium plated mirror with standard shaft	10	30 mm

Number	Description	Overall Length
L54100	Octagonal, stainless steel mirror handle For use with mirrors L53600-L54320	75 mm



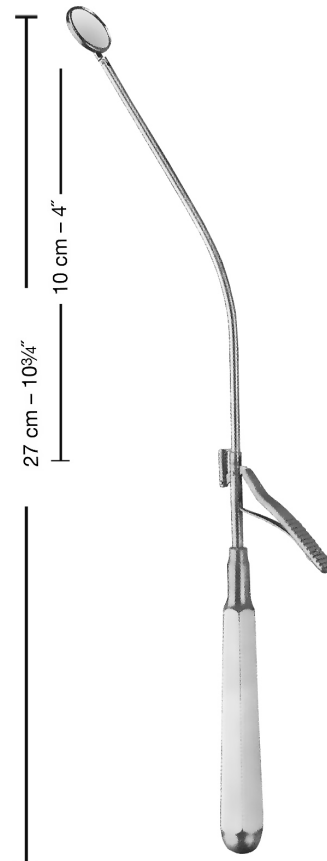
MICHEL RHINOSCOPIC MIRROR WITH HANDLE

- Autoclavable
- Stainless Steel
- Thumb mirror orientation control

Number	Description	Size	Diameter	Length
L54110	Michel Mirror with handle	0	10 mm	29 mm
L54112	Michel Mirror with handle	1	12 mm	29 mm
L54114	Michel Mirror with handle	2	14 mm	29 mm
L54116	Michel Mirror with handle	3	16 mm	29 mm
L54118	Michel Mirror with handle	4	18 mm	29 mm

Spare Mirrors for Michel Rhinoscopic Mirror with Handle

Number	Description	Size	Diameter
L54120	Spare Mirror for Michel Rhinoscopic Mirrors	0	10 mm
L54122	Spare Mirror for Michel Rhinoscopic Mirrors	1	12 mm
L54124	Spare Mirror for Michel Rhinoscopic Mirrors	2	14 mm
L54126	Spare Mirror for Michel Rhinoscopic Mirrors	3	16 mm
L54128	Spare Mirror for Michel Rhinoscopic Mirrors	4	18 mm



JENNINGS MOUTH GAG

- Stainless Steel

Number	Description		Working Length
N20009	Mouth Gag by Jennings	Open type	9 cm
N20011	Mouth Gag by Jennings	Open type	11 cm
N20013	Mouth Gag by Jennings	Open type	13 cm

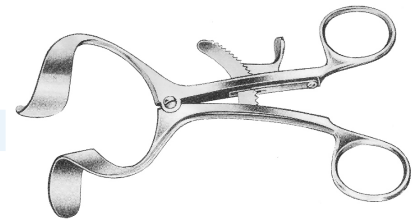
Number	Description		Working Length
N23009	Mouth Gag by Jennings	Standard type	9 cm
N23011	Mouth Gag by Jennings	Standard type	11 cm
N23013	Mouth Gag by Jennings	Standard type	13 cm
N23015	Mouth Gag by Jennings	Standard type	15 cm


HEISTER MOUTH GAG

Number	Description	Working Length
N20505	Mouth Gag by Heister	13 cm


MOLT MOUTH GAG

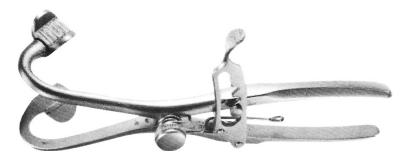
Number	Description		Working Length
N20510	Mouth Gag by Molt	Child Size	10 cm
N20515	Mouth Gag by Molt	Adult Size	15 cm


ROSER KÖNIG MOUTH GAG

Number	Description	Working Length
N20545	Mouth Gag by Roser König	16 cm


DENHART MOUTH GAG

Number	Description	Working Length
N20560	Mouth Gag by Denhart	13 cm



WHITEHEAD MOUTH GAG

Number	Description	Working Length
N20729	Mouth Gag by Whitehead	9 cm
N20731	Mouth Gag by Whitehead	11 cm
N20733	Mouth Gag by Whitehead	13 cm
N20735	Mouth Gag by Whitehead	15 cm



DINGMAN MOUTH GAG

- Stainless Steel

Number	Description
N20800	Dingman Mouth Gag Complete Set including: Frame with 4 spiral springs for the suspension of the thread ends, 2 Movable Tooth Hooks, 2 Cheek Retractors, and 3 Tongue Depressors (1 of each #1-3)
N20820	Dingman Mouth Gag Frame with 4 spiral springs for the suspension of the thread ends, 2 Movable Tooth Hooks and 2 Cheek Retractors



DINGMAN TONGUE DEPRESSORS

Number	Description	Size	Working Length
N20811	Tongue Depressor	Size 1	55 x 25 mm
N20812	Tongue Depressor	Size 2	60 x 27 mm
N20813	Tongue Depressor	Size 3	70 x 30 mm



SEEMANN-SEIFFERT MOUTH GAG

- Stainless Steel

Number	Description	Size	Working Length
N22009	Self retaining Mouth Gag by Seemann-Seiffert	Small / Child	9 cm
N22011	Self retaining Mouth Gag by Seemann-Seiffert	Standard	11 cm
N22013	Self retaining Mouth Gag by Seemann-Seiffert	Large	13 cm
N20755	Self retaining Mouth Gag by Seemann-Seiffert	X-Large	15 cm

Number	Description	Working Length
N24011	Standard Model Mouth Gag by Seemann-Seiffert	11 cm
N24013	Standard Model Mouth Gag by Seemann-Seiffert	13 cm



DAVIS-BOYLE MOUTH GAG

- Stainless Steel

Number	Description
N26000	Left frame for Mouth Gag by Davis-Boyle
N26200	Right Frame for Mouth Gag by Davis-Boyle
N26300	Left frame for Mouth Gag by Davis-Boyle Child size

Number	Description
N26010	Silicone Bit Liners Removable for Davis-Boyle Autoclavable (Sold in pairs)


DAVIS-BOYLE TONGUE DEPRESSOR

- Stainless Steel

Number	Description		Length
N26001	Tongue Depressor by Davis-Boyle with smooth blades	Size 1 20 x 30 mm	13.5 cm
N26002	Tongue Depressor by Davis-Boyle with smooth blades	Size 2 23 x 65 mm	13.5 cm
N26003	Tongue Depressor by Davis-Boyle with smooth blades	Size 3 24 x 80 mm	13.5 cm
N26004	Tongue Depressor by Davis-Boyle with smooth blades	Size 4 25 x 93 mm	13.5 cm
N26005	Tongue Depressor by Davis-Boyle with smooth blades	Size 5 26 x 108 mm	13.5 cm



Number	Description		Length
N26102	Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades	Size 2 23 x 65 mm	13.5 cm
N26103	Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades	Size 3 24 x 80 mm	13.5 cm
N26104	Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades	Size 4 25 x 93 mm	13.5 cm
N26105	Tongue Depressor by Davis-Boyle with anaesthetic tube and smooth blades	Size 5 26 x 108 mm	13.5 cm



Number	Description		Length
N26301	Tongue Depressor by Davis-Boyle for Children with smooth blades	Size 1 17 x 30 mm	9.8 cm
N26302	Tongue Depressor by Davis-Boyle for Children with smooth blades	Size 2 19 x 45 mm	9.8 cm
N26303	Tongue Depressor by Davis-Boyle for Children with smooth blades	Size 3 20 x 60 mm	9.8 cm
N26304	Tongue Depressor by Davis-Boyle for Children with smooth blades	Size 4 22 x 70 mm	9.8 cm
N26305	Tongue Depressor by Davis-Boyle for Children with smooth blades	Size 5 22 x 80 mm	9.8 cm



MCIVOR MOUTH GAG

- Stainless Steel

Number	Description
N25000	Frame for Mouth Gag by Mclvor for use with tongue depressors N25001 - N25003

Number	Description		Rod Length
N25001	Tongue Depressor by Mclvor	Size 1	23 x 70 mm
N25002	Tongue Depressor by Mclvor	Size 2	25 x 86 mm
N25003	Tongue Depressor by Mclvor	Size 3	26 x 100 mm



KILNER-DOUGHTY MOUTH GAG

- Stainless Steel

Number	Description
N27000	Left frame for Mouth Gag by Kilner-Doughty
N27010	Palate Support for toothless patients for N27000



RUSSEL-DAVIS MOUTH TONGUE DEPRESSOR

- Stainless Steel

Number	Description		
N27001	Tongue Depressor by Russel-Davis with central channel	Size 1	28 x 65 mm
N27002	Tongue Depressor by Russel-Davis with central channel	Size 2	32 x 72 mm
N27003	Tongue Depressor by Russel-Davis with central channel	Size 3	37 x 80 mm
N27004	Tongue Depressor by Russel-Davis with central channel	Size 4	41 x 94 mm
N27005	Tongue Depressor by Russel-Davis with central channel	Size 5	46 x 103 mm

Number	Description		
N28601	Tongue Depressor by Russel-Davis with central channel and lateral outlet	Size 1	28 x 65 mm
N28602	Tongue Depressor by Russel-Davis with central channel and lateral outlet	Size 2	32 x 72 mm
N28603	Tongue Depressor by Russel-Davis with central channel and lateral outlet	Size 3	37 x 80 mm
N28604	Tongue Depressor by Russel-Davis with central channel and lateral outlet	Size 4	41 x 94 mm
N28605	Tongue Depressor by Russel-Davis with central channel and lateral outlet	Size 5	46 x 103 mm



WUERZBURG MODEL TONGUE DEPRESSOR

- Stainless Steel

Number	Description		
N28001	Wuerzburg Model Tongue Depressor	Size 1	28 x 66 mm
N28002	Wuerzburg Model Tongue Depressor	Size 2	32 x 75 mm
N28003	Wuerzburg Model Tongue Depressor	Size 3	34 x 83 mm
N28004	Wuerzburg Model Tongue Depressor	Size 4	37 x 93 mm
N28005	Wuerzburg Model Tongue Depressor	Size 5	38 x 100 mm


RING TONGUE DEPRESSOR

- Stainless Steel

Number	Description		
N28202	Left Ring Tongue Depressor	Size 2	23 x 58 mm
N28302	Right Ring Tongue Depressor		
N28203	Left Ring Tongue Depressor	Size 3	27 x 72 mm
N28303	Right Ring Tongue Depressor		
N28204	Left Ring Tongue Depressor	Size 4	34 x 87 mm
N28304	Right Ring Tongue Depressor		
N28205	Left Ring Tongue Depressor	Size 5	37 x 95 mm
N28305	Right Ring Tongue Depressor		


DAVIS-MEYER TONGUE DEPRESSOR

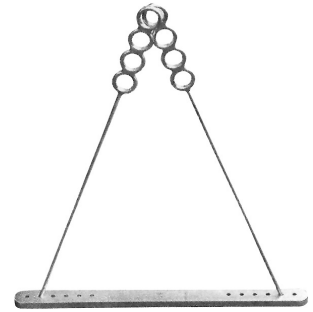
- Stainless Steel

Number	Description		
N28401	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 1	29.0 x 70 mm
N28402	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 2	30.5 x 75 mm
N28403	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 3	31.5 x 80 mm
N28404	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 4	32.5 x 85 mm
N28405	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 5	33.5 x 95 mm
N28406	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 6	33.8 x 100 mm
N28407	Tongue Depressor by Davis-Meyer with anesthetic tubes on both sides	Size 7	34.0 x 105 mm



DRAFFIN SUSPENSION APPARATUS BIPOD

Number	Description
N24820	Suspension Apparatus Bipod by Draffin for use with Mouth Gags N25000 - N28400
N24810	Chain with ring to suspend the mouth gag at the frame N24880



NEGUS CHEST SUPPORT

Number	Description		Rod Length
N29000	Chest Support by Negus with band N29001	Adult Size	14 cm
N29100	Chest Support by Negus with band N29001	Child Size	8.5 cm
N29001	Chest Support by Negus with band only for N29000 & N29100		13 cm



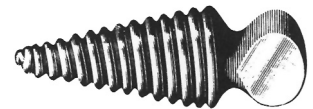
WUERZURG CHEST SUPPORT

Number	Description
N29200	Chest Support by Wuerzburg



TOOTH GUARD

Number	Description			Diameter
N20410	Wooden Tooth Guard	Pyramid Shaped	Serrated	40 mm



Number	Description			Diameter
N20420	Latex Tooth Guard	Pyramid Shaped	Serrated	40 mm



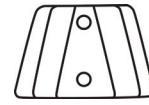
Number	Description			Diameter
N20450	Latex Tooth Guard with Supply Chain	Grooved		40 mm



MCKESSON MOUTH PROP

• Set of 2

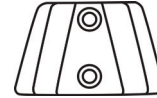
Number	Description		
N21001	Silicone Mouth Prop with airway	Serrated	Small child
N21002	Silicone Mouth Prop with airway	Serrated	Child
N21003	Silicone Mouth Prop with airway	Serrated	Adult



N21001



N21002

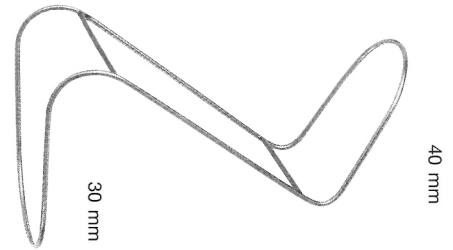


N21003



OBWEGESER RETRACTOR

Number	Description		Length
L20217	Obwegeser Cheek Retractor	Stainless Steel	10 cm



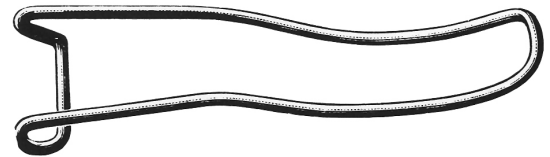
UNIVERSITY OF MINNESOTA RETRACTOR

Number	Description		Length
L20210	University of Minnesota Tongue and Cheek Retractor	Stainless Steel	14 cm



STERNBERG RETRACTOR

Number	Description		Length
L20215	Sternberg Cheek, Lip and Tongue Retractor	Stainless Steel	14.5 cm



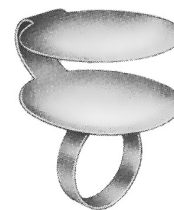
SHUMAN RETRACTOR

Number	Description		Length
L20225	Shuman Cheek and Tongue Retractor	Stainless Steel	19 cm



RING RETRACTOR

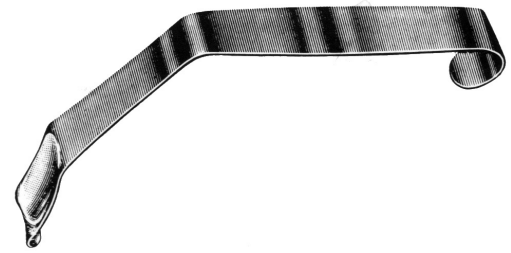
Number	Description	
L20245	Cheek Ring Retractor	Stainless Steel



LOVE UVULA RETRACTOR

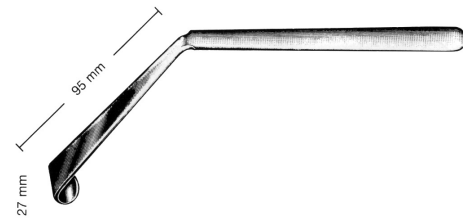
• Stainless Steel

Number	Description	Width	Working Length
N16318	Love Uvula Retractor	18 mm	15 cm
N16320	Love Uvula Retractor	20 mm	15 cm
N16322	Love Uvula Retractor	22 mm	15 cm


GOODYEAR UVULA RETRACTOR

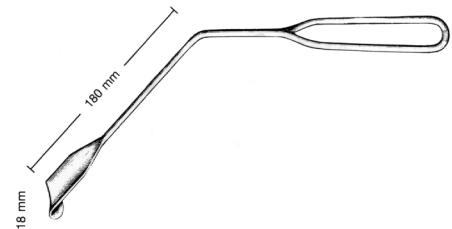
• Stainless Steel

Number	Description	Width	Working Length
N16348	Goodyear Uvula Retractor	27 mm	9.5 cm


LOTHROP UVULA RETRACTOR

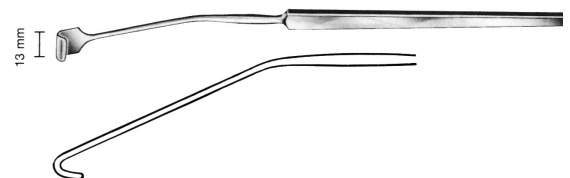
• Stainless Steel

Number	Description	Width	Working Length
N16360	Lothrop Uvula Retractor	18 mm	18 cm


NAGER SOFT PALATE RETRACTOR

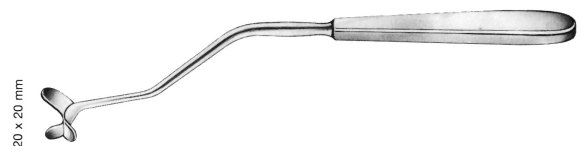
• Stainless Steel

Number	Description	Width	Working Length
N16423	Nager Uvula Retractor	13 mm	22 cm


HOFER PALATE ARCH RETRACTOR

• Stainless Steel

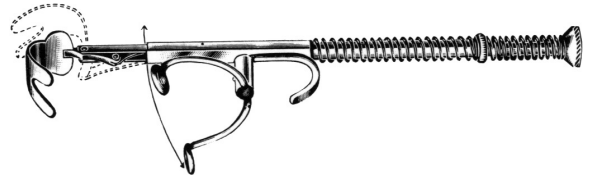
Number	Description	Width	Working Length
N16474	Hofer Palate Arch Retractor	20 x 20 mm	24 cm



HASLINGER SOFT PALATE RETRACTOR

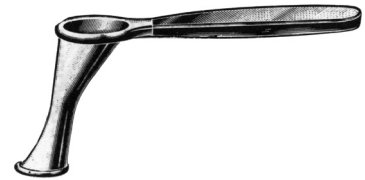
- Stainless Steel

Number	Description	Working Length
N16520	Haslinger Soft Palate Retractor	17 cm



YANKAUER NASO-PHARYNGEAL SPECULUM RETRACTOR

Number	Description
N16570	Yankauer Naso-Pharyngeal Speculum Retractor

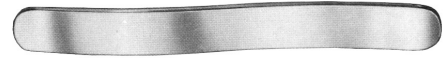


TONGUE SPATULA

- Stainless Steel

Number	Description	Width	Working Length
N20010	Tongue Spatula	18 mm	14.5 cm

18 mm



Number	Description	Width	Working Length
N20015	Tongue Spatula	20 mm / 23 mm	14 cm

20 mm

23 mm



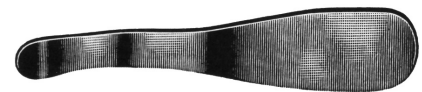
BAGINSKI TONGUE SPATULA

- Stainless Steel

Number	Description	Width	Working Length
N20005	Baginski Tongue Spatula	18 mm / 35 mm	15 cm

18 mm

35 mm



BUCHWALD TONGUE SPATULA

- Stainless Steel

Number	Description	Width	Working Length
N20018	Buchwald Tongue Spatula	18 mm / 23 mm	18 cm

18 mm

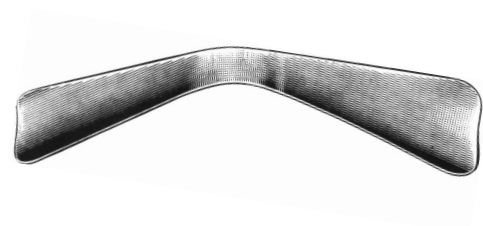
23 mm



HASLINGER TONGUE SPATULA

- Stainless Steel

Number	Description	Width	Working Length
N20027	Haslinger Tongue Spatula	22 mm / 29 mm	12 cm
N20028	Haslinger Tongue Spatula	30 mm / 33 mm	16 cm



FRENZEL TONGUE SPATULA

- Stainless Steel

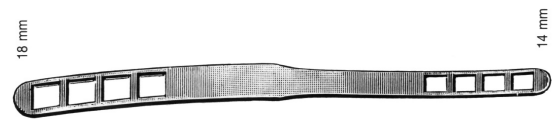
Number	Description	Width	Working Length
N20035	Frenzel Tongue Spatula	23 mm / 13 mm	16.5 cm



BRÜNING'S TONGUE SPATULA

- Stainless Steel

Number	Description	Width	Working Length
N20050	Brünings Tongue Spatula	18 mm / 14 mm	19 cm



MORITZ-SCHMIDT TONGUE SPATULA

- Stainless Steel

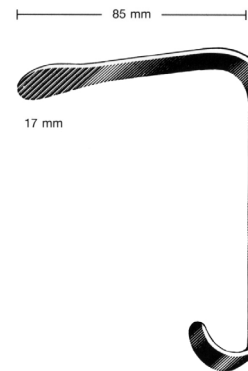
Number	Description	Working Length
N20085	Moritz-Schmidt Tongue Spatula	19 cm



ANDREWS TONGUE SPATULA

- Stainless Steel

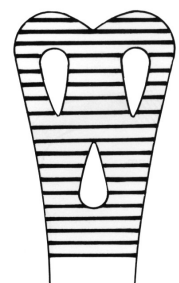
Number	Description	Width	Working Length
N20130	Andrews Tongue Spatula	17 mm	8.5 cm



WIEDER TONGUE SPATULA

- Stainless Steel

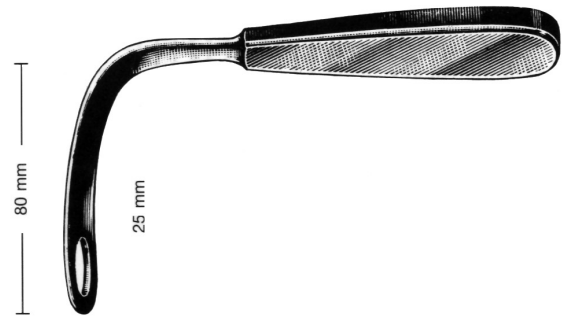
Number	Description	Width	Working Length
N20140	Wieder Tongue Spatula	28 mm	8 cm
N20141	Wieder Tongue Spatula	38 mm	8 cm



BOSWORTH TONGUE SPATULA

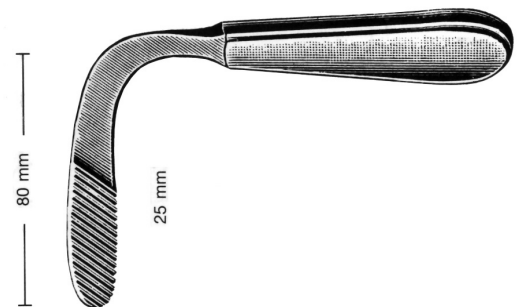
- Stainless Steel

Number	Description	Width	Working Length
N20110	Bosworth Tongue Spatula	25 mm	8 cm


TOBOLD TONGUE SPATULA

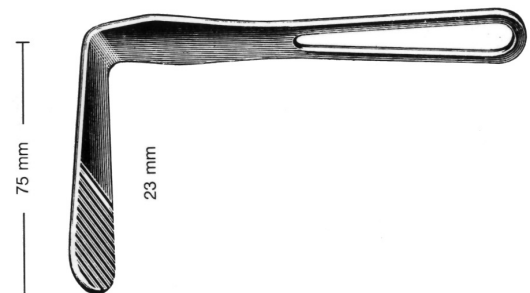
- Stainless Steel

Number	Description	Width	Working Length
N20115	Tobold Tongue Spatula	25 mm	8 cm


HARTMANN TONGUE SPATULA

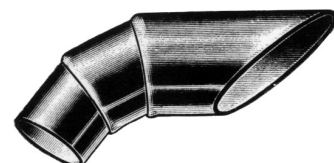
- Stainless Steel

Number	Description	Width	Working Length
N20125	Hartmann Tongue Spatula	23 mm	7.5 cm


FINGER GUARD

- Stainless Steel

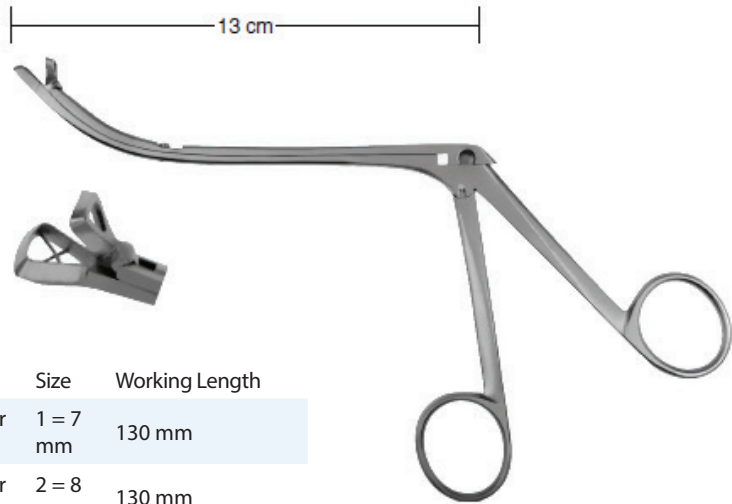
Number	Description	Diameter
N20101	Finger Guard #1	17 - 21 mm
N20102	Finger Guard #2	19 - 24 mm
N20103	Finger Guard #3	21 - 26 mm



RONIS BIOPSY FORCEPS

• Stainless Steel

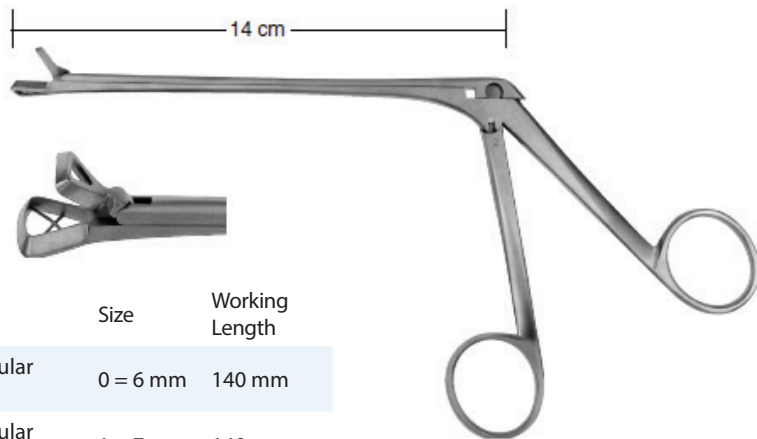
Number	Description		Size	Working Length
N02201	Biopsy forceps by Ronis	Upturned with triangular basket	1 = 7 mm	130 mm
M02202	Biopsy forceps by Ronis	Upturned with triangular asket	2 = 8 mm	130 mm



MELTZER ADENOID PUNCH

• Stainless Steel

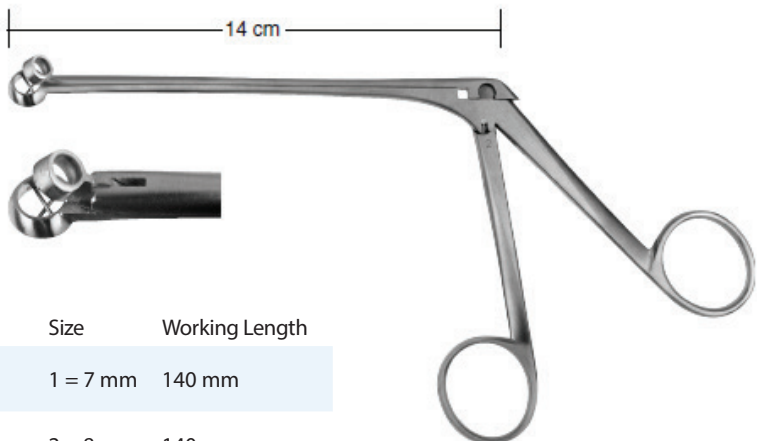
Number	Description		Size	Working Length
N02300	Adenoid punch by Meltzer	Straight with triangular basket	0 = 6 mm	140 mm
N02301	Adenoid punch by Meltzer	Straight with triangular basket	1 = 7 mm	140 mm
N02302	Adenoid punch by Meltzer	Straight with triangular basket	2 = 8 mm	140 mm
N02303	Adenoid punch by Meltzer	Straight with triangular basket	3 = 10 mm	140 mm



MELTZER ADENOID PUNCH

• Stainless Steel

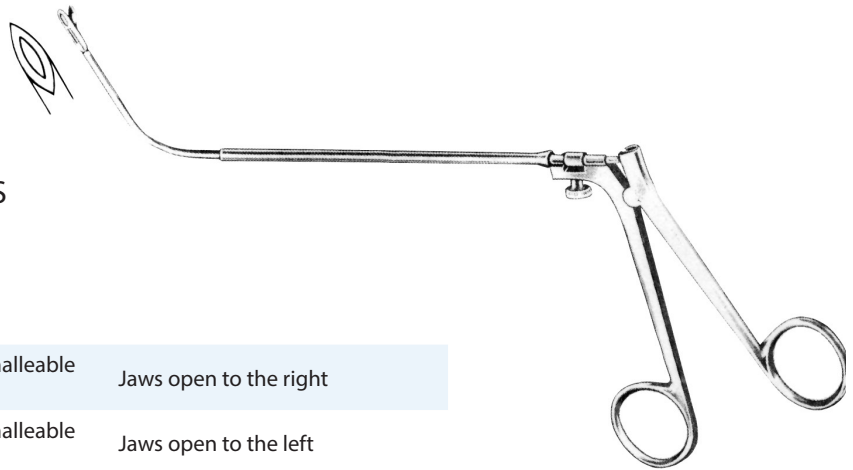
Number	Description		Size	Working Length
N02311	Adenoid punch by Meltzer	Straight with round basket	1 = 7 mm	140 mm
N02312	Adenoid punch by Meltzer	Straight with round basket	2 = 8 mm	140 mm



NASO-PHARYNGEAL BIOPSY FORCEPS

• Stainless Steel

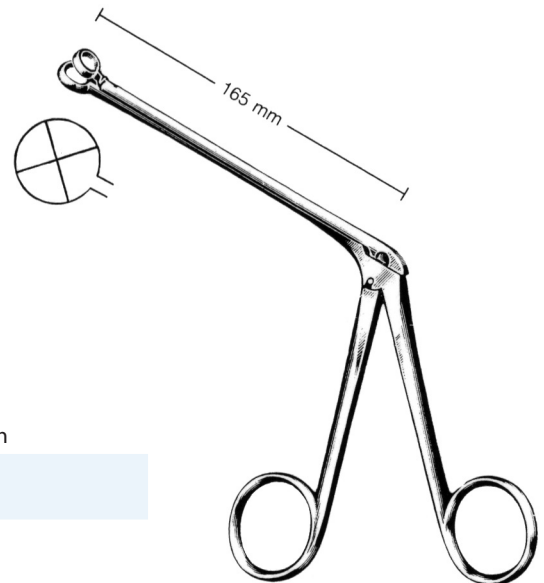
Number	Description	
N15062	Naso-pharyngeal biopsy forceps with malleable tip	Jaws open to the right
N15063	Naso-pharyngeal biopsy forceps with malleable tip	Jaws open to the left



HARTMANN ADENOID PUNCH

• Stainless Steel

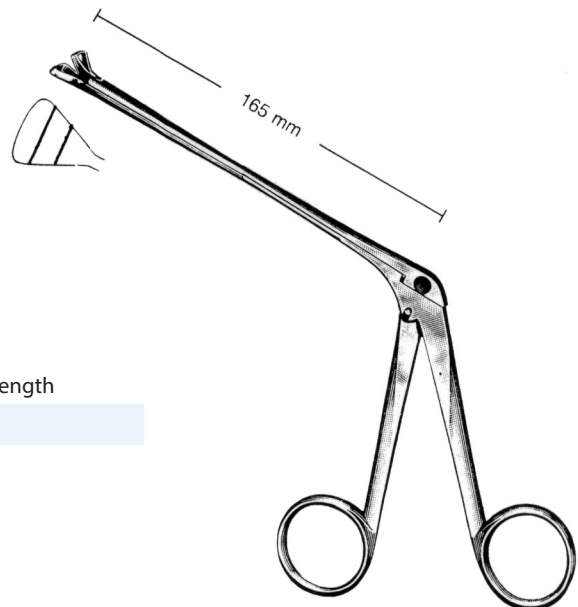
Number	Description		Working Length
N15212	Hartmann adenoid punch with basket	Round	16.5 cm



SCHMEDEN ADENOID PUNCH

• Stainless Steel

Number	Description		Working Length
N15212	Shemedden adenoid punch with basket	Triangular	16.5 cm

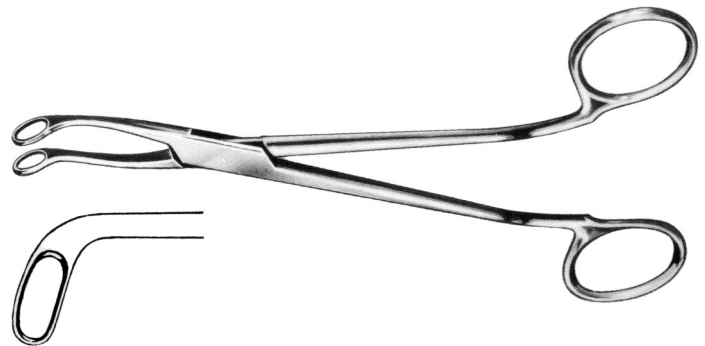




ST. CLAIR-THOMSON NASO-PHARYNGEAL FORCEPS

- Stainless Steel

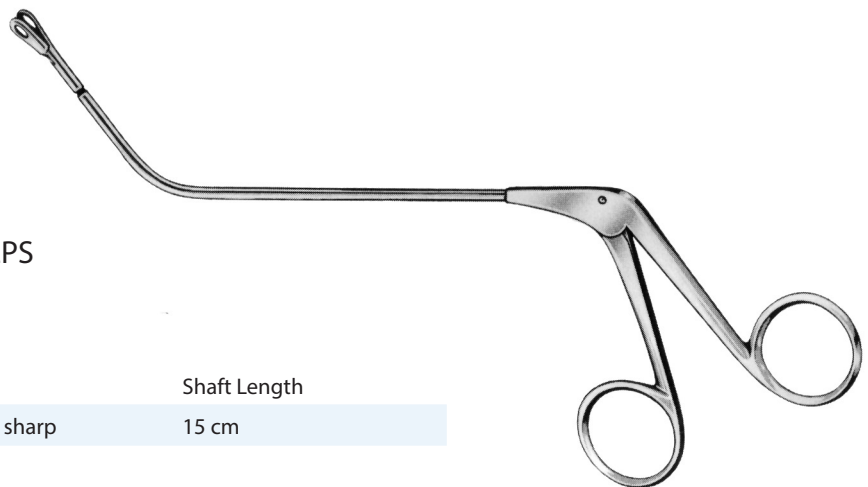
Number	Description	Working Length
N15018	St. Clair-Thomson Naso-Pharyngeal forceps sharp	18 cm



JURASZ NASO-PHARYNGEAL FORCEPS

- Stainless Steel

Number	Description	Working Length
N15019	Jurasz Naso-Pharyngeal forceps for children sharp	19 cm



JATHO NASO-PHARYNGEAL FORCEPS

- Stainless Steel

Number	Description	Shaft Length
N15050	Jatho Naso-Pharyngeal forceps sharp	15 cm

JATHO EPIPHARYNGEAL FORCEPS

• Stainless Steel

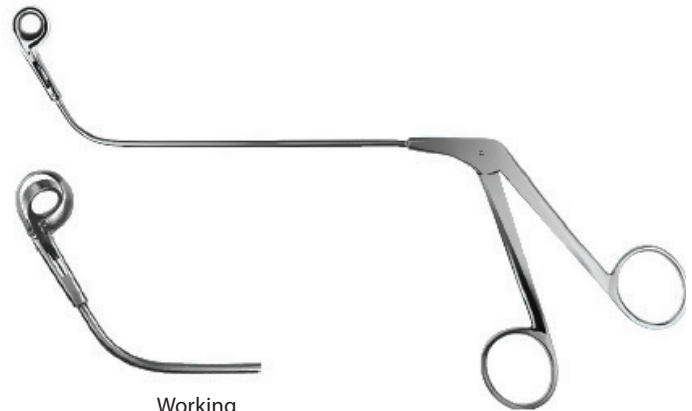
Number	Description		Working Length
N01500	Jatho Epipharyngeal forceps with horizontal opening	Upturned with fenestrated cupped jaws	15 cm
N01501	Jatho Epipharyngeal forceps with vertical opening	Upturned with fenestrated cupped jaws	15 cm



FRENZEL CONCHOTOME

• Stainless Steel

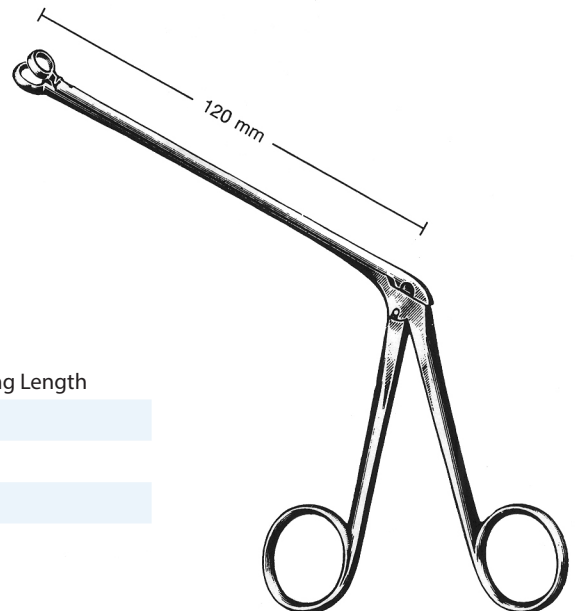
Number	Description			Diameter	Working Length
N01600	Frenzel Conchotome for adenotomies	Ring shaped jaws	Upturned	10 mm	14 cm



HARTMANN TONSIL PUNCH

• Stainless Steel

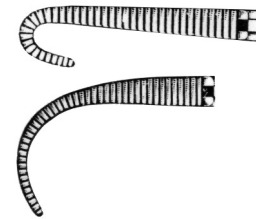
Number	Description		Diameter	Working Length
N26513	Hartmann tonsil punch	Sharp	13 mm	12 cm
N26515	Hartmann tonsil punch	Sharp	15 mm	12 cm
N26517	Hartmann tonsil punch	Sharp	17 mm	12 cm



NEGUS TONSIL ARTERY CLAMP

• Stainless Steel

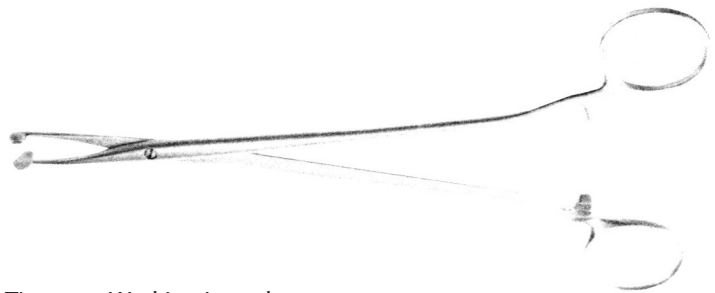
Number	Description	Size	Working Length
N24221	Negus tonsil artery clamp	1	19 cm
N24222	Negus tonsil artery Clamp with long curve	2	19 cm



MUCK TONSIL ARTERY CLAMP

• Stainless Steel

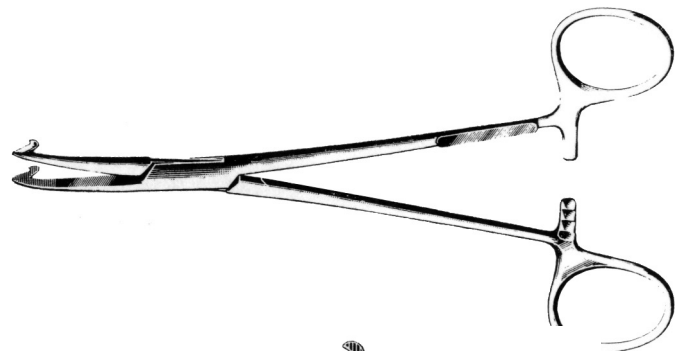
Number	Description	Size	Tip	Working Length
N24281	Muck tonsil clamp	1	8 mm	18 cm
N24282	Muck tonsil clamp	2	10 mm	18 cm



MCWORTHER-LOTHROP TONSIL ARTERY CLAMP

• Stainless Steel

Number	Description	Working Length
N24290	McWorther-Lothrop tonsil artery clamp	18.5 cm



HEISS-BIRKETT TONSIL ARTERY CLAMP

• Stainless Steel

Number	Description			Working Length
N50000	Heiss-Birkett tonsil artery clamp	Straight	Slender	20 cm
N50100	Heiss-Birkett tonsil artery clamp	Slightly curved	Slender	20 cm



SCHNIDT TONSIL ARTERY CLAMP

• Stainless Steel

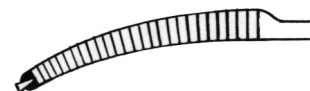
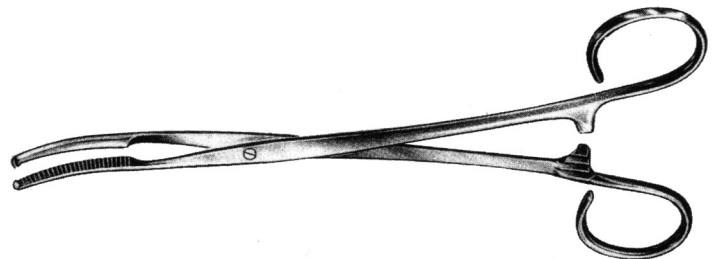
Number	Description			Working Length
N51000	Schmidt tonsil artery clamp	Slightly curved	Slender	19 cm
N51100	Schmidt tonsil artery clamp	Strong curved	Slender	19 cm



MIKULICZ TONSIL ARTERY CLAMP

• Stainless Steel

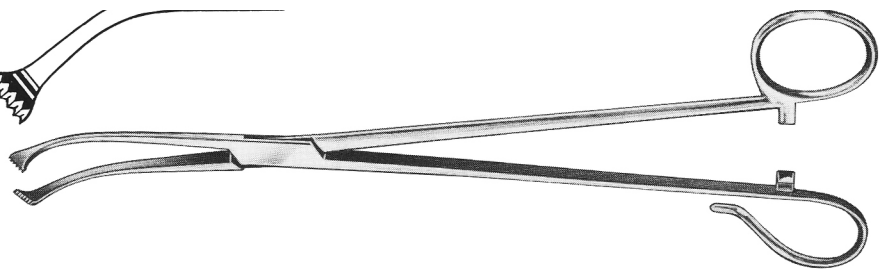
Number	Description	Working Length
N24015	Mikulicz tonsil artery clamp	18 cm





MARSCHIK TONSIL FORCEPS

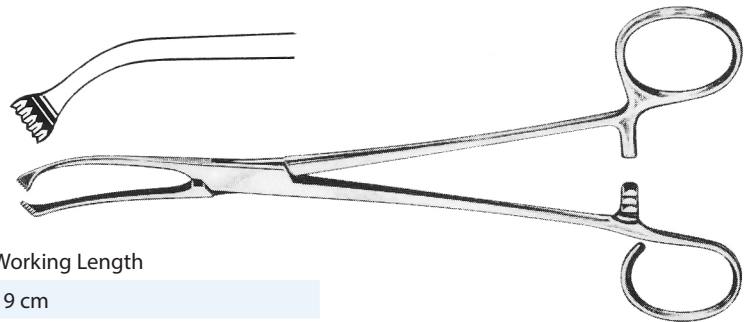
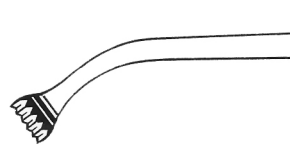
Number	Description	Working Length
N24005	Tonsil forceps by Marschik	22 cm



WHITE TONSIL SEIZING FORCEPS

- Stainless Steel
- Open ring

Number	Description	Working Length
N24018	Tonsil seizing forceps by White	18 cm
N24023	Tonsil seizing forceps by White	23 cm



COLVER TONSIL FORCEPS

Number	Description	Working Length
N24019	Tonsil forceps by Colver	19 cm



BLOHMKE TONSIL SEIZING FORCEPS

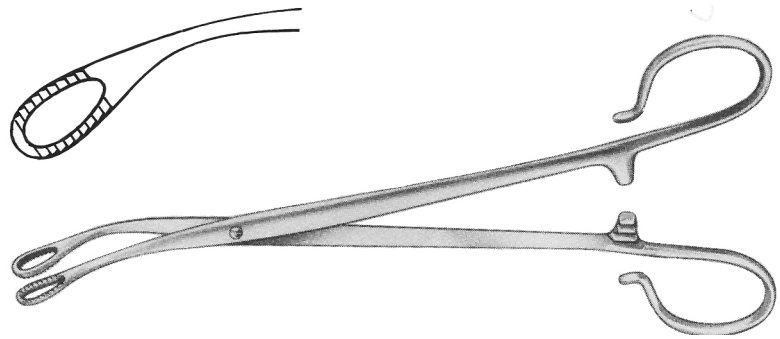
- Stainless Steel
- Open ring

Number	Description	Working Length
N24021	Tonsil seizing forceps by Blohmke	21 cm

ABRAHAM TONSIL FORCEPS

- Open ring

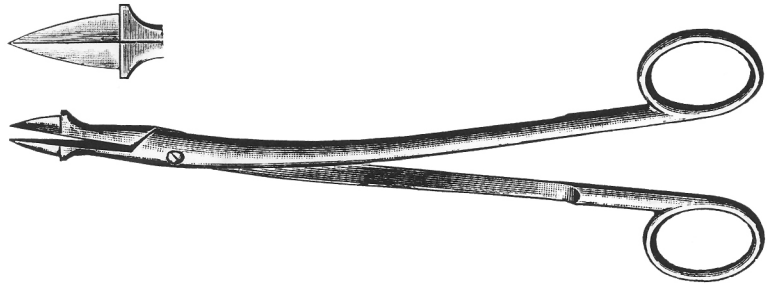
Number	Description	Working Length
N24022	Tonsil forceps by Tyding	20.5 cm



THILENIUS TONSIL ABSCESS FORCEPS

- Stainless Steel

Number	Description	Working Length
N24090	Tonsil seizing forceps by Thilenius	20 cm



TYDING TONSIL FORCEPS

- Open ring

Number	Description	Working Length
N36000	Tonsil forceps by Tyding 2 x 2 teeth	21 cm



Tivnen Tonsil Forceps

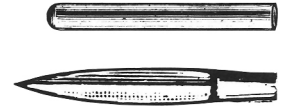
Number	Description	Working Length
N36100	Tonsil forceps by Tivnen 3 x 3 teeth	21 cm





TONSIL KNIVES

Number	Description	Working Length
N22005	Tonsil knife	18 cm



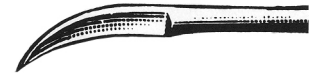
CANFIELD TONSIL KNIVES

Number	Description	Working Length
N22030	Canfield tonsil knife	21 cm



ABRAHAM TONSIL KNIVES

Number	Description	Working Length
N22035	Abraham tonsil knife	21 cm



BRÜNINGS TONSIL KNIVES

Number	Description	Working Length
N22040	Brünings tonsil knife	23 cm



DAY TONSIL KNIVES

Number	Description	Working Length
N22050	Day tonsil knife	23 cm





ABRAHAM (TYDING) TONSIL KNIVES

Number	Description	Working Length
N22055	Abraham (Tyding) tonsil knife	20 cm



FISHER (COLVER) TONSIL KNIVES

Number	Description	Working Length
N22070	Fisher (Colver) tonsil knife	22.5 cm



REVERSIBLE SCREWS

Number	Description	Diameter	Working Length
N22085	Reversible screw	7 mm	21 cm
N22087	Reversible screw	4 mm	10 cm

YANKAUER TONSIL DISSECTORS

- Stainless Steel



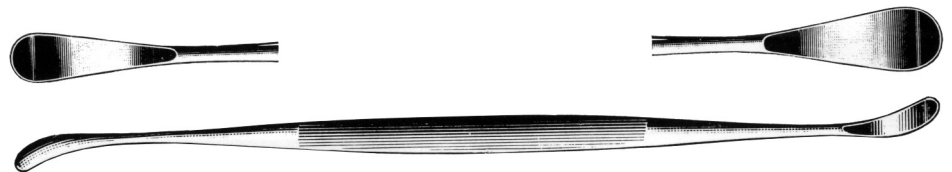
Number	Description	Working Length
N22505	Yankauer tonsil dissector	21 cm


HURD TONSIL DISSECTORS

- Stainless Steel



Number	Description	Size	Working Length
N22515	Hurd tonsil dissector	6 / 12 mm	22 cm
N22520	Hurd tonsil dissector	10 / 12 mm	22 cm


ALDERDICE TONSIL DISSECTORS

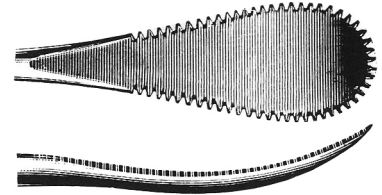
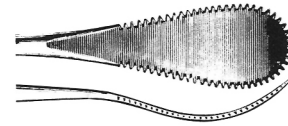
- Stainless Steel

Number	Description	Working Length
N22530	Alderdice tonsil dissector	22 cm


HENKE TONSIL DISSECTORS

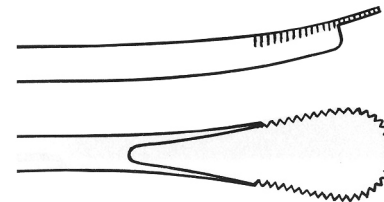
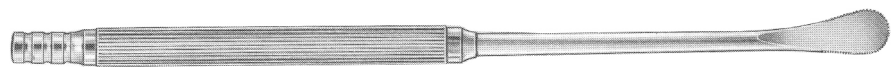
- Stainless Steel

Number	Description	Size	Working Length
N22535	Henke tonsil dissector	12 / 18 mm	24 cm



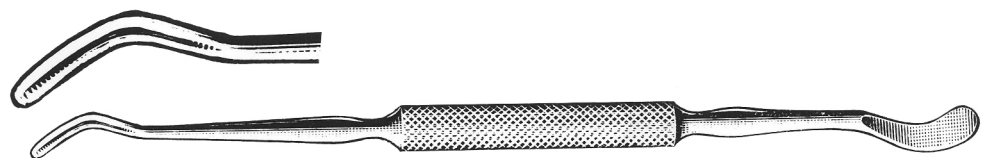
HENKE TONSIL DISSECTORS

Number	Description	Size	Working Length
N22537	Henke tonsil dissector	12 mm	23 cm
N22538	Henke tonsil dissector	17 mm	23 cm



LOPEZ-REINKE TONSIL DISSECTORS

Number	Description	Working Length
N02540	Lopez-Reinke tonsil dissector with suction device	23 cm



CARPENTER TONSIL DISSECTORS

Number	Description	Working Length
N02540	Carpenter tonsil dissector	25 cm

METZENBAUM TONSIL SCISSORS

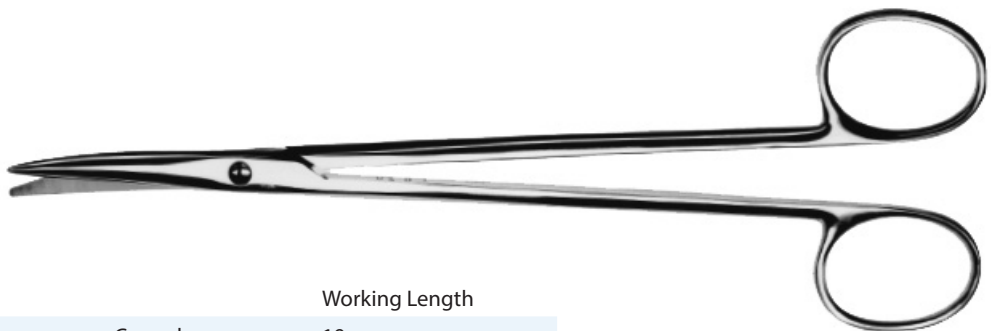
• Stainless Steel

Number	Description		Working Length
N42018	Tonsil Scissors by Metzenbaum	Curved	18 cm
N42020	Tonsil Scissors by Metzenbaum	Curved	20 cm
N42218	Tonsil Scissors by Metzenbaum with tungsten carbide tip and gold handles	Curved	18 cm
N42220	Tonsil Scissors by Metzenbaum with tungsten carbide tip and gold handles	Curved	20.5 cm


LILLY TONSIL SCISSORS

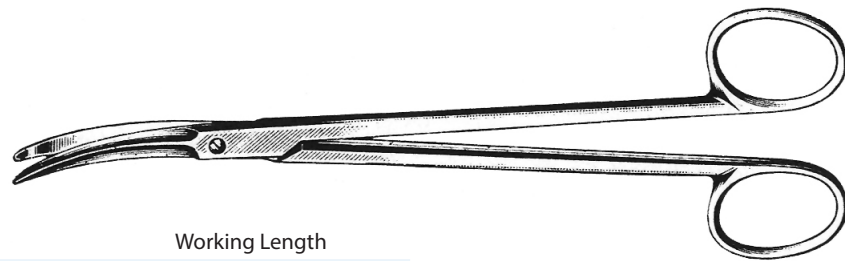
• Stainless Steel

Number	Description		Working Length
N41400	Tonsil Scissors by Lilly	Curved	19 cm


PRINCE TONSIL SCISSORS

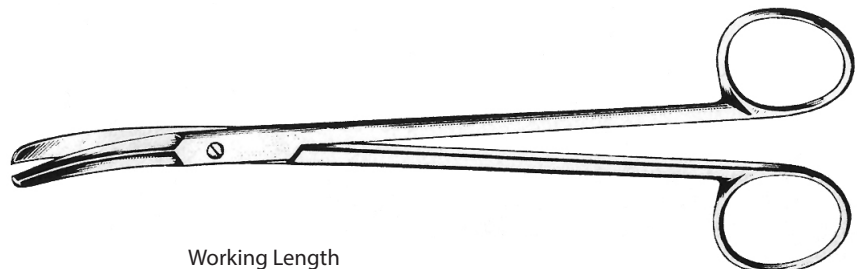
• Stainless Steel

Number	Description		Working Length
N24520	Tonsil Scissors by Prince		18 cm


BOETTCHER TONSIL SCISSORS

• Stainless Steel

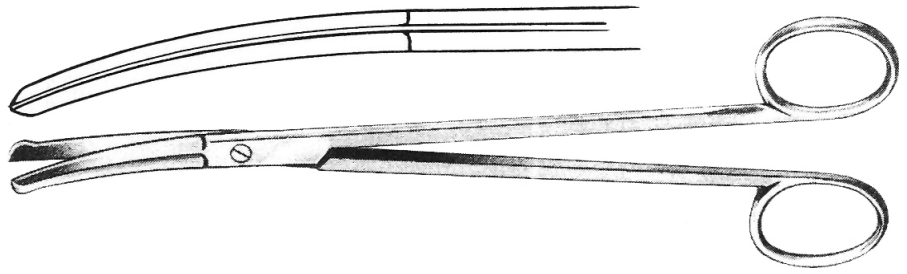
Number	Description		Working Length
N24525	Tonsil Scissors by Boettcher		18 cm



GOOD TONSIL SCISSORS

- Stainless Steel

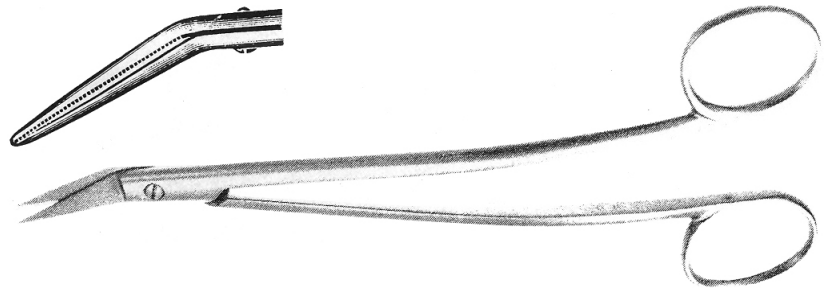
Number	Description	Working Length
N24530	Tonsil Scissors by Good	19 cm



DEAN TONSIL SCISSORS

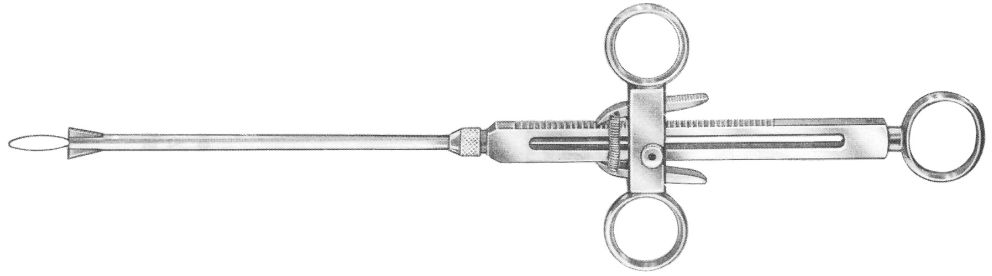
- Stainless Steel

Number	Description	Working Length
N24550	Tonsil Scissors by Dean 1 serrated blade	17 cm



BRÜNING'S TONSIL SNARE

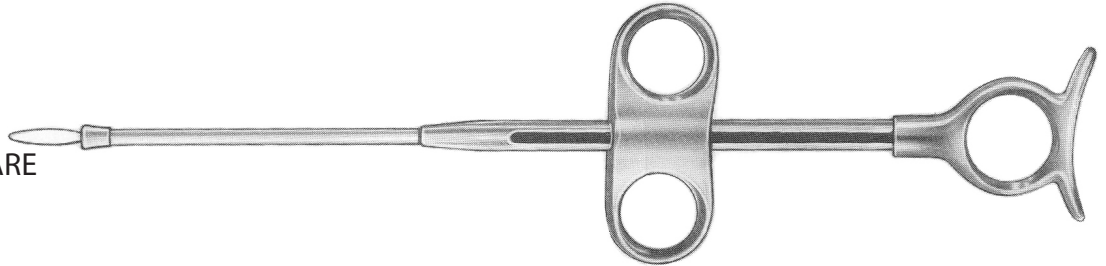
• Stainless Steel



Number	Description	Working Length
N25005	Tonsil snare with catch with Brünings Includes 3 wire loops	29 cm

EVES TONSIL SNARE

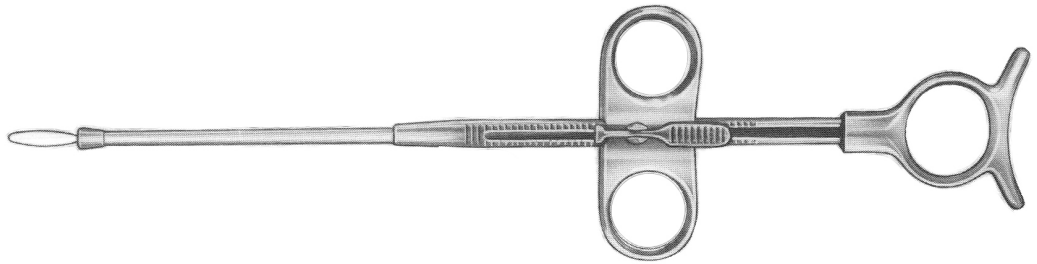
• Stainless Steel



Number	Description	Working Length
N25010	Tonsil snare by Eves Includes 3 preshaped wires	27 cm

EVES TONSIL SNARE

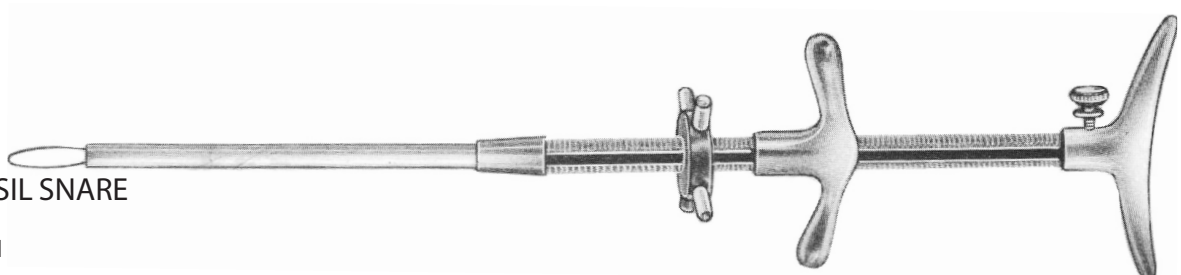
• Stainless Steel



Number	Description	Working Length
N25011	Tonsil snare with catch by Eves	27 cm

LEWIS TONSIL SNARE

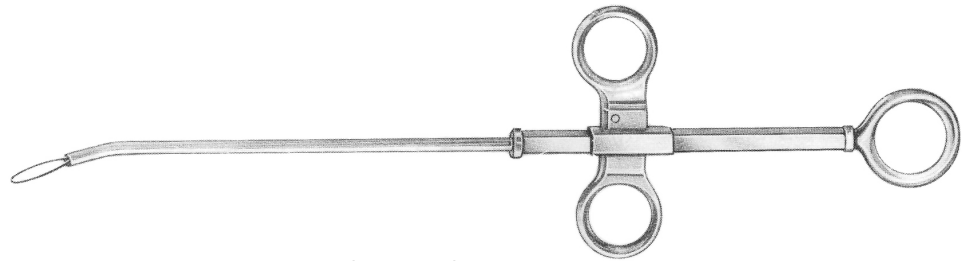
• Stainless Steel



Number	Description	Working Length
N25016	Tonsil snare by Lewis Includes 3 preshaped wires	25.5 cm

ROEDER "E" TONSIL SNARE

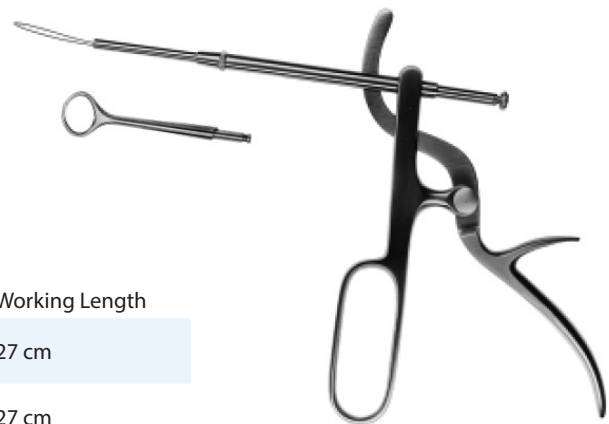
• Stainless Steel



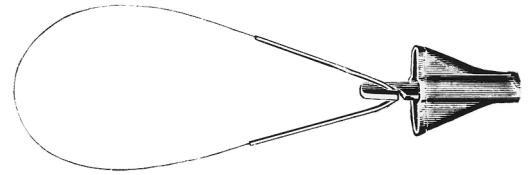
Number	Description	Working Length
N25025	Tonsil snare by Roeder "E" for catgut suture	27 cm

TYDING TONSIL SNARE

• Stainless Steel



Number	Description	Working Length
N25051	Tonsil Snare by Tyding with 3 preshaped wires Straight tip	27 cm
N25052	Tonsil Snare by Tyding with 3 preshaped wires Straight, Vedder looped tip	27 cm
N25053	Straight tip only	
N25054	Vedder loop tip only	

TONSIL SNARE WIRE LOOPS


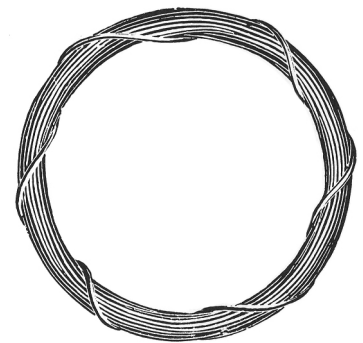
Number	Description	
N25095	Soldered tonsil snare wire loops	100 / pack

TONSIL SNARE PRE-CUT WIRE


Number	Description	Diameter
N25096	Pre-cut wire for tonsil snares	.35 mm
N25097	Pre-cut wire for tonsil snares (Standard Size)	.40 mm
N25098	Pre-cut wire for tonsil snares	.45 mm
N25099	Pre-cut wire for tonsil snares	.50 mm

SNARE WIRES

Number	Description		Diameter
N61543	Wire for snare	10 m coil	.35 mm
N61544	Wire for snare	10 m coil	.40 mm
N61545	Wire for snare	10 m coil	.45 mm


SNARE CATGUT SUTURE LOOPS

Number	Description		
N25025	Catgut suture loops for snares	Sterile	20 / box
N25030	Catgut suture loops for snares Thickness 0	Sterile	20 / box
N25031	Catgut suture loops for snares Thickness 1	Sterile	20 / box



SLUDER-BALLENGER TONSILTOME

- Stainless Steel handle

Number	Description
N26010	Tonsiltome by Sluder-Ballenger, complete with one blade of each size #1-3 Angled-up blades
N26019	Handle only for tonsiltome by Sluder-Ballenger



SLUDER-BALLENGER TONSILTOME BLADES

Number	Description	Size	width
N26021	Blades for tonsiltome by Sluder-Ballenger	1	18 mm
N26022	Blades for tonsiltome by Sluder-Ballenger	2	20 mm
N26023	Blades for tonsiltome by Sluder-Ballenger	2	23 mm

ROEDER LOOP APPLICATOR

- Stainless Steel



Number	Description	Type	Overall Length
N46400	Loop applicator by Roeder	Type E	27 cm

NAGER TONSIL SUTURE NEEDLE

- Stainless Steel



Number	Description	Overall Length
N46500	Tonsil suture needle by Nager	24 cm

HURD TONSIL SUTURE NEEDLE

- Stainless Steel



Number	Description	Hand	Overall Length
N46700	Tonsil Suture Needle by Hurd	Right hand	22.5 cm
N46800	Tonsil Suture Needle by Hurd	Left hand	22.5 cm

SUTURE HOOK

- Stainless Steel



Number	Description	Hand	Overall Length
N46900	Suture Hook	Right hand	20.5 cm



KNOTTIER

- Stainless Steel

Number	Description	Overall Length
N47100	Knot tier Fork shaped, blunt	20.5 cm

LUNIATSCHEK TONSIL GAUZE PACKERS

- Stainless Steel



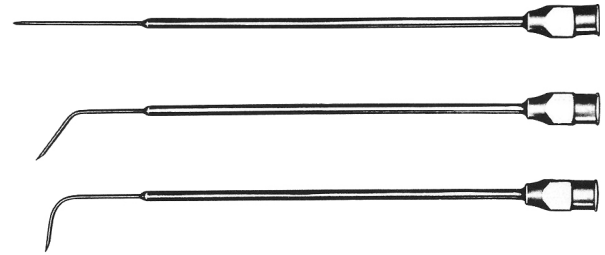
Number	Description	Overall Length
N43700	Tonsil gauze packers by Luniatschek	19 cm

ABRAHAM TONSIL KNIFE

- Stainless Steel



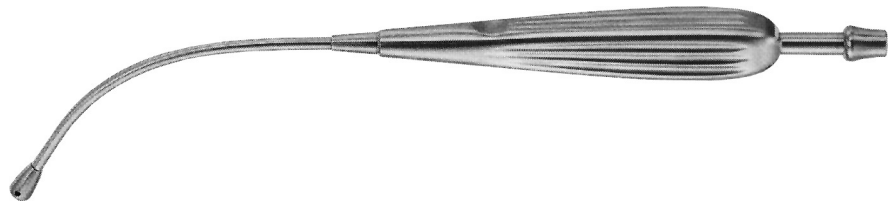
Number	Description	Overall Length
N48000	Tonsil knife by Abraham	21 cm



TONSIL SEPTAL CANNULAS WITH LUER-LOCK HUB

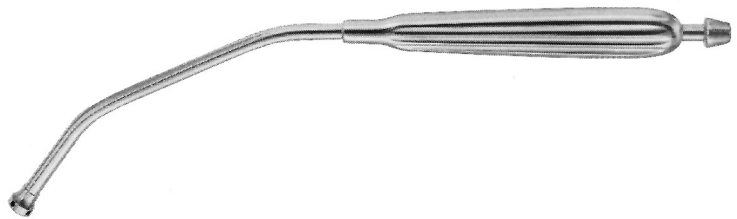
• Stainless Steel

Number	Description		Diameter	Length
L29510	Tonsil Cannulas with Luer-Lock Hub	Straight	0.8 mm (22 g)	75 / 25 mm
L29514	Tonsil Cannulas with Luer-Lock Hub	Knee bent, 45°	0.8 mm (22 g)	75 / 25 mm
L29519	Tonsil Cannulas with Luer-Lock Hub	Curved, 90°	0.8 mm (22 g)	75 / 25 mm



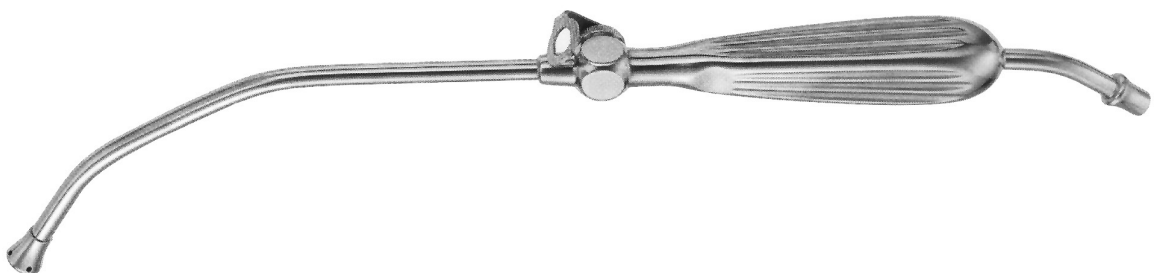
ANDREW PYNCHON PEDIATRIC SUCTION TUBES

Number	Description	Diameter	Length
N506-0421	Andrew Pynchon pediatric suction tubes, tip with lateral holes	3 mm	24 cm
N506-0422	Andrew Pynchon pediatric suction tubes, tip with lateral holes	4.2 mm	24 cm
N506-0424	Andrew Pynchon pediatric suction tubes, tip with lateral holes	6 mm	24 cm



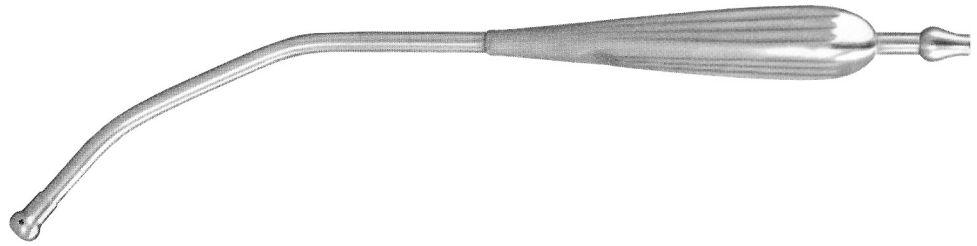
YANKAUER PEDIATRIC SUCTION TUBE

Number	Description	Diameter	Length
N506-0303	Yankauer pediatric suction tube with tube olive	3.5 mm	22 cm



WALTON YANKAUER SUCTION TUBE

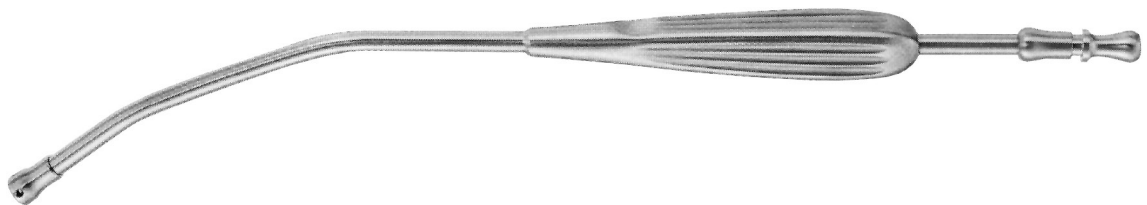
Number	Description	Length
N506-0304	Walton Yankauer suction tube regulating valve with tube olive	32 cm


YANKAUER ROUND-TIP SUCTION TUBE

Number	Description	Length
N506-0306	Yankauer suction tube with round suction tip, tube olive	23 cm


YANKAUER SUCTION TUBE

Number	Description	Central bore Ø	Length
N506-0300	Yankauer suction tube with tube olive without light guide	2 mm	28.5 cm
N506-0301	Yankauer suction tube with tube olive without light guide	4.8 mm	28.5 cm
N506-0308	Yankauer suction tube with tube olive with light guide	2 mm	28.5 cm

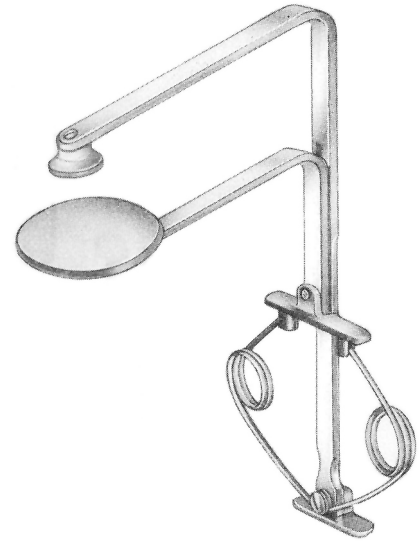


Number	Description	Length
N506-0302	Yankauer suction tube with wall suction extension and tube olive	31 cm
N506-03214	Yankauer suction tube with wall suction extension and tube olive	35.5 cm
N506-03216	Yankauer suction tube with wall suction extension and tube olive	40.5 cm
N506-03218	Yankauer suction tube with wall suction extension and tube olive	45.5 cm

VETTER TONSIL COMPRESSOR

- Stainless Steel

Number	Description
N22595	Vetter Tonsil Compressor



LUNIATSCHECK TONSIL GAUZE PACKER

- Stainless Steel

Number	Description	Working Length
N22595	Luniatscheck Tonsil Gauze Packer	18 cm





QUALITY

INNOVATION

TECHNOLOGY

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