



Acheron Instruments

ENT INSTRUMENTS CATALOGUE

World-Class High Quality





GENERAL INFORMATION

Acheron Surgical Instruments	3
Acheron Guarantee/Warranty	5
Customer Service and Ordering Information	6
Care and Cleaning	8
Policies and Procedures	9
Instrumentation Services	11
Scales and Gauges	14
Measuring Guidelines and Common Jaw Patterns of Surgical Instruments	16

EAR, NOSE AND THROAT INSTRUMENTS

Overview	18
Instrumentation for Laryngoscopes	26
Bronchoscopes	47
Esophagoscopes	54
Instrumentation for Bronchoscopes and Esophagoscopes	59
Fiber Optic Cables (End Adapters).	70
Bougies/Dilators	71
Tracheostomy and Laryngectomy Tubes	75
Ear Instruments.	95
Nasal Instruments	105
Mouth and Throat Instruments.	123

ACHERON® SURGICAL INSTRUMENTS

Quality That Builds Confidence



Acheron's Instruments have been provided to surgeons across the world to help improve the standard of patient care. The Acheron Brand is especially known globally in the CVT and ENT specialties with numerous proprietary instruments co-developed with leading surgeons in these fields.

Over the years, the Acheron Instruments Brand has maintained high standards of quality and continues to emphasize customer service and satisfaction. As surgical procedural needs change, specialty surgeons can count on Acheron Branded instruments to meet their new requirements.

Today, the Acheron Instruments continues its legacy in providing high quality, hand-crafted instrumentation that meets the surgeon's requirements.



🏭 Production Unit: Industrial Estate Shahab Pura, Ugoki Road, Near Saga Chowk Sialkot, Pakistan.

🏢 Head Office: Building # 349 Block A, Jubilee Town Canal Road Lahore, Pakistan. ☎ +92 333 430 1417, +92 307 430 9880

🌐 URL: www.acheron-instruments.com ✉ info@acheron-instruments.com, instruments.acheron@gmail.com

ACHERON INSTRUMENTS®

Helps you make the right choices.



ACHERON INSTRUMENTS Branded surgical instruments are made from 100% German/ Japanese/ French Stainless Steel ASTM 410 and 420 Grade to ensure the highest quality and impeccable functionality. These instruments are fully guaranteed for the quality of material and workmanship and have been subjected to an established quality control process that consists of a comprehensive product inspection that verifies the form, fit and function of all the instruments.

Acheron Forceps and Scissors are made of the finest stainless steel, processed to obtain optimum corrosion resistance, resilience and strength.

Ratchets on Acheron Vascular Clamps provide indispensable finite control for arterial clamping. Ratchets are designed with the steps (1 x 7, 1 x 9, 1 x 11) to furnish the specific amounts of required compression.

Acheron DeBakey Jaws are designed to clamp and hold without slipping. Cardiovascular clamps featuring these jaws will grip tissue delicately but firmly, or will completely occlude a vessel, reducing the danger of crushing or causing undue damage to the intima.

We are able to provide **laser surface or ebonized finishes** for most stainless steel instruments to provide the appropriate reflection-lowering finish for their use in laser surgery.

We continually strive to improve our products; therefore, changes may result. All specifications and measurements in this Catalog may vary within accepted industry standards or change without notice. Acheron will not be responsible for any printing errors contained herein.

Measurements given in our Catalog refer to overall length, unless specified otherwise.

Reproduction of illustrations or descriptions is prohibited without the express written consent of Acheron.

ACHERON® SURGICAL INSTRUMENTS

Guarantee/Warranty



This warranty information may be modified from time to time by ACHERON. Please check the ACHERON Instruments online catalog website for the most current warranty information: www.acheron-instruments.com

Except as provided below, all surgical instruments stamped or etched with the Acheron Brand shall be free from manufacturing defects in material or workmanship for the life of the instrument. Acheron's sole responsibility under all warranty shall be, at Acheron's option, This guarantee is void if instruments are not maintained or repaired properly, or if they are not used for their intended surgical purpose.

NEEDLE HOLDERS

Acheron Needle Holders containing Tungsten Carbide (TC) inserts are warranted against cracking or fragmenting in the jaw for three (3) years.

TUNGSTEN CARBIDE INSERTS

Acheron Scissors, Needle Holders and Wire Cutters that obtain Tungsten Carbide (TC) inserts are guaranteed for three (3) years. Replacement parts, such as springs, are guaranteed for one (1)

NON-DISPOSABLE LAPAROSCOPIC INSTRUMENTS

Acheron Non-Disposable Laparoscopic Instruments are warranted against failure in normal use for one (1) year. This warranty does not cover routine sharpening or refurbishment, or repair of damage caused by misuse.

The above warranties are contingent upon the proper maintenance and use of the instruments and do not cover instruments that have been modified without Acheron's approval or which have been subjected to unusual stress, or on which the original identification marks have been removed or altered.

TELESCOPES AND LIGHT CARRIERS

All light carriers and Rod Lens Telescopes etched with the Acheron Name shall be free from manufacturing defects in material or workmanship. Any parts proving defective in the first 12 months of ownership will be serviced, repaired or replaced at Acheron's option, free of charge.

This limited warranty is the only warranty provided by Acheron. Acheron disclaims all other warranties, either express or implied, including but not limited to implied warranties of merchantability and fitness for particular purpose. In no event shall Acheron have any liability for indirect, consequential, special, incidental or punitive damages, however caused, on any theory of liability and whether or not it has been advised of the possibility of such damages.

CUSTOMER SERVICE & ORDERING INFORMATION



Our highly trained customer service team is available to assist you with all your customer service needs including:

- New account establishment or account changes
- Order placement
- Order inquiries
- Delivery information
- Pricing inquiries
- Product information
- Product returns

Head Office/ Mailing Address:

Building # 349 Block A, Jubilee Town
Canal Road Lahore , Pak-istan.

Corporate Office:

Building # 381 Block E, 1st Floor Johar
Town Lahore , Pakistan.

Production Unit # 1:

Building # 4, 1st Floor, Street # 2
Wakil Town, Muradpur Street-
Korpur, Marala Road Sialkot,
Pakistan

Production Unit # 2:

Shahab Pura, Ugoki Road near
Saga Chowk Sialkot-Pakistan

Phone:

Call: +923334301417

Whatsapp: +923004301497

To make an inquiry or to place an order in
the **Pakistan**, please contact Customer
Service at +923074309880 or
info@Acheron-instruments.com



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URL: www.acheron-instruments.com info@acheron-instruments.com, instruments.acheron@gmail.com

CARE AND CLEANING



High quality surgical instruments are typically made from surgical grade stainless steel (i.e., 410, 420, etc.). The grade varies by manufacturer and by type of instrument. For example, a scissor may be fabricated of 420 stainless steel to enable the blades to be hardened adequately for long life. A forceps on the other hand usually does not require the same hardness, and may be fabricated from a 410 grade.

Malleable retractors are made of yet another grade. The grade of stainless steel selected for specific instruments is critical for long serviceability. The grade of steel reflects its hardness and its resistance to corrosion. Unfortunately, there is an inverse relationship; that is, the more the steel can be hardened, the greater its susceptibility to corrosion.

In an effort to reduce corrosion problems, Acheron specially treats (passivates) its instruments to make the surface less chemically active with its environment. All Instruments feature this special high gloss finish. This finish reduces the number of pits in the instrument, which in turn reduces the number of sites where corrosion can occur. These steps are necessary due to the environment, which is very harsh as a consequence of the composition of blood and other fluids, the chemicals used to clean and disinfect the instruments, and finally the methods used to sterilize them.

USE

Use instruments for their intended purpose only.

CLEANING

Instruments should be thoroughly cleaned with cleaners such as: Liquid Detergent, Instrument Cleaner as soon as possible after use. Once blood or other foreign matter has dried, removal is very difficult.

If left in place these contaminants can provide sites for corrosion to begin. Distilled water (pH near 7) is recommended for soaking and cleaning instruments. If cleaning manually, avoid use of wire brushes or abrasive powders as these can create sites for corrosion. An ultrasonic cleaner is recommended.

CARE

After a thorough cleaning, instruments with moving parts should be lubricated to keep surfaces lubricated. It is important to use water soluble lubricating agents only.

STERILIZATION

The use of repeated flash cycles is damaging to instruments; therefore, a standard steam cycle is preferred. Instruments should be arranged in an open position and instruments fabricated from different metals should be separated to avoid electrochemical reactions. Refer to the sterilizer manufacturer's instructions and guidelines for proper sterilization techniques

To locate Instructions For Use (IFU) and Cleaning and Sterilization Instructions for acheron® Instruments, go to: www.acheron-instruments.com

POLICIES AND PROCEDURES



TERMS AND CONDITIONS

Standard terms are; F.O.B. shipping point, unless otherwise approved in writing by Acheron.

All orders are subject to approval and acceptance by Acheron.

Acheron reserves the right to alter or suspend credit, refuse shipment or cancel unfilled orders, when credit conditions or delivery delays from the customer warrant such action.

PARTIAL SHIPMENTS AND SPECIAL ORDERS

Due to demand for certain products, Acheron cannot guarantee that every product will be available for immediate shipment. If a back order situation occurs, partial shipment will be made where possible. Your invoice will indicate any product on back order.

If partial shipments are not acceptable or practical, we will make every effort to ship the complete order at the earliest possible time.

Certain products are built to order and are subject to availability of raw materials. These products may require longer lead times.

RETURN GOODS POLICY

All returns must be accompanied by a "Return Goods Authorization Number" which is available by calling our Customer Service Department. Acheron's invoice number, order number and date of receipt of goods must be supplied to customer service in order to obtain a return goods number.

All returns must be made within sixty (60) days of invoice date. The products must be unused and in the original packaging.

Returned goods must be shipped prepaid to Acheron Head Office mailing address

The goods should also be accompanied by a copy of the invoice or packing list and a return goods authorization number. The following items are non-returnable, other than for a manufacturing defect:

- Sterilized products
- Discontinued products
- Engraved instruments or instruments etched by hospital
- Instruments returned after sixty (60) days of invoice date
- Custom or modified items
- Silicone goods
- Disposable products



Acheron Instruments

(Manufacturers & Exporters of Surgical, Dental, Ophthalmic, Laparoscopy, Veterinary & Beauty Instruments)

YOUR
HEALTH
IS OUR
MAIN
CONCERN



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INSTRUMENTATION SERVICES

In addition to providing our customers with a comprehensive product line of surgical instruments, Acheron also offers the following services:

- Custom Instruments Service
- Complimentary Instrument Etching
- Special Instrument Finishes

For more information on these services, please contact your Acheron® Sales Specialist or customer service at +923074309880





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SCALES AND GAUGES



CONVERSION SCALE

TO CONVERT FROM	TO	MULTIPLY BY
Ounces (AVDP.)	Grams	28.349523
Ounces (APOTH.)	Grams	31.103486
Grains	Grams	0.06479891
Pounds (AVDP.)	Kilograms	0.45359237
Inches	Centimeters	2.54
Feet	Meters	0.3048
Yards	Meters	0.9144
Ounces (U.S. Fluid)	Cubic Centimeters	29.573730
Ounces (British Fluid)	Cubic Centimeters	28.41305
Quarts (U.S. Fluid)	Liters	0.9463264
Cubic Inches	Cubic Centimeters	16.387064
Grams	Grains	15.432358
Grams	Ounces (AVDP.)	0.35273962
Grams	Ounces (APOTH.)	0.32150737
Kilograms	Pounds (AVDP.)	2.2046226
Millimeters	Inches	0.039370079
Centimeters	Inches	0.39370079
Meters	Feet	3.2808399
Cubic Centimeters	Cubic Inches	0.61023744
Cubic Centimeters (Fluid)	Ounces (U.S. Fluid)	0.33814023
Liters	Quarts (U.S. Fluid)	1.056718

FAHRENHEIT AND CENTIGRADE SCALES

F°	C°
500	260
401	205
392	200
383	195
374	190
356	180
347	175
338	170
329	165
320	160
311	155
302	150
284	140
275	135
266	130
248	120
239	115
230	110
212	100
203	95
194	90
176	80
167	75
140	60
122	50
113	45
105	40.56
104	40
100	37.8
98.5	36.9
95	35
86	30
77	25
68	20
50	10
41	5
32	0
23	-5
14	-10
+5	-15
-4	-20
-13	-25
-22	-30
-40	-40
-76	-60

SCALES AND GAUGES



COMPARATIVE SCALES OR GAUGES

DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
1/3		1	
1/2	1		
2/3		2	
1	2	3	
1-1/3		4	
1-1/2	3		
1-2/3		5	
2	4	6	
2-1/3		7	1
2-1/2	5		
2-2/3		8	2
3	6	9	3
3-1/3		10	
3-1/2	7		
3-2/3		11	4
4	8	12	5
4-1/3		13	
4-1/2	9		
4-2/3		14	
5	10	15	6
5-1/3		16	7
5-1/2	11		
5-2/3		17	8
6	12	18	9
6-1/3		19	10
6-1/2	13		
6-2/3		20	11

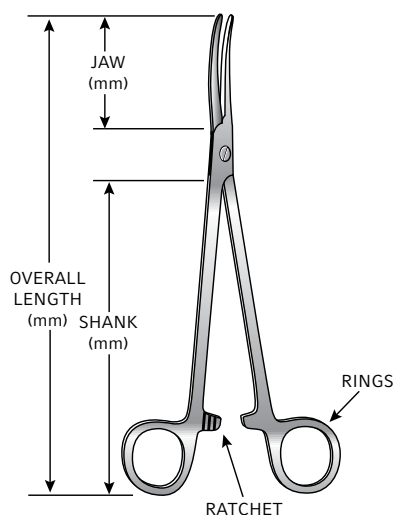
DIAMETERS IN MILLIMETERS	AMERICAN	FRENCH	ENGLISH
7	14	21	
7-1/3		22	12
7-1/2	15		
7-2/3		23	13
8	16	24	
8-1/3		25	14
8-1/2	17		
8-2/3		26	15
9	18	27	16
9-1/3		28	17
9-1/2	19		
9-2/3		29	
10	20	30	18
10-1/3		31	19
10-1/2	21		
10-2/3		32	20
11	22	33	21
11-1/3		34	22
11-1/2	23		
11-2/3		35	23
12	24	36	24
12-1/3		37	25
12-1/2	25		
12-2/3		38	26
13	26	39	27
13-1/3		40	28





MEASURING GUIDELINES AND COMMON JAW PATTERNS OF SURGICAL INSTRUMENTS

High quality, handcrafted instrument measurements will vary slightly. Instruments in this catalog are stainless steel unless otherwise noted.



COMMON JAW SURFACES FOUND ON HEMOSTATS AND CLAMPS

SERRATIONS

HORIZONTAL

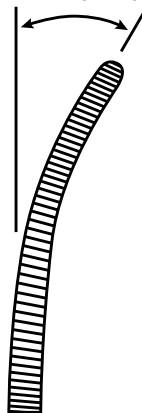
LONGITUDINAL

CROSS



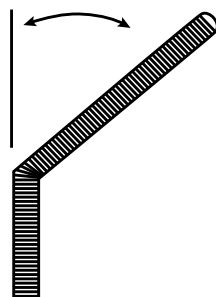
JAW CURVATURE

DEGREES



JAW ANGLE

DEGREES



JAW CROSS SECTIONS

RELATIVE SIZE

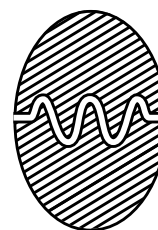
ENLARGEMENT



DEBAKEY-TYPE 1 x 2



DEBAKEY-TYPE 2 x 3



COMMON SURFACES FOUND ON NEEDLE HOLDERS WITH TUNGSTEN CARBIDE INSERTS



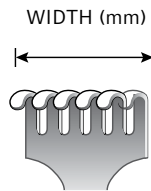
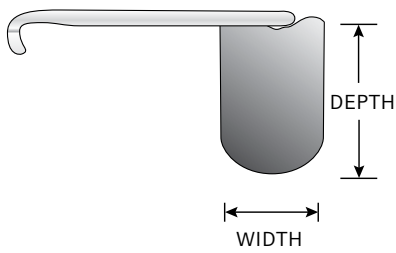
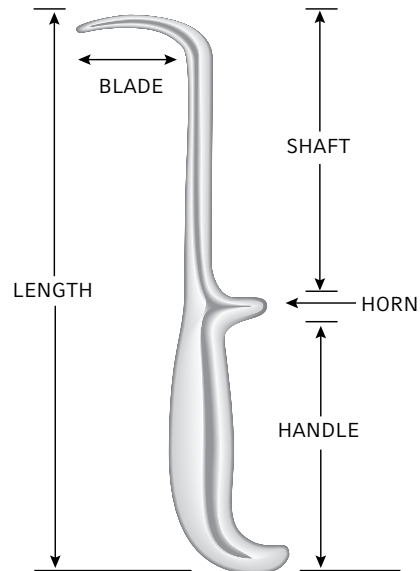
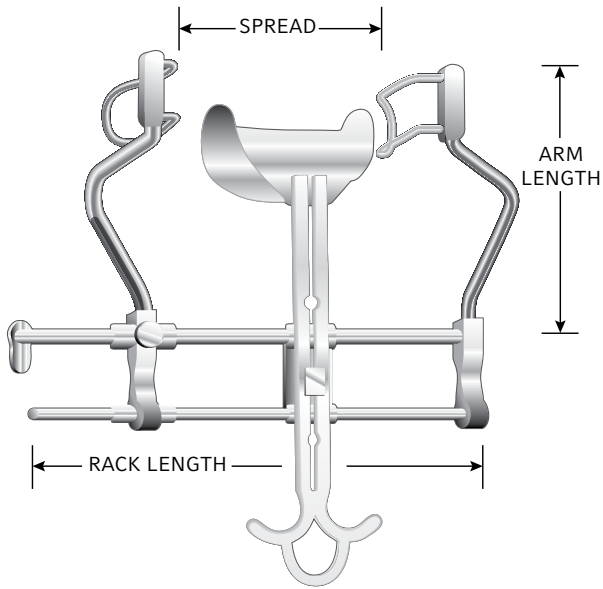
SMOOTH

2500
TEETH/SQ. IN.4000
TEETH/SQ. IN.7000
TEETH/SQ. IN.

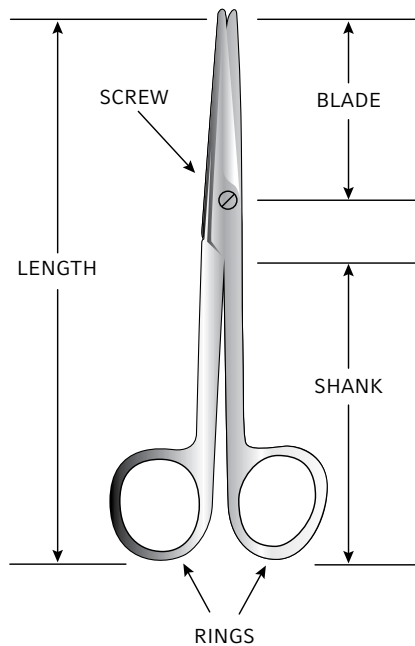
COOLY



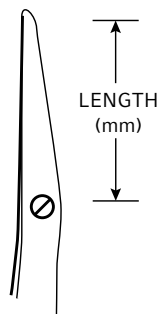
FROM INNER SURFACE OF SIDE BLADES



RING HANDLE

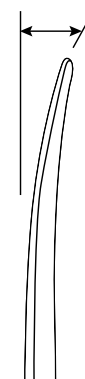


BLADE LENGTH



BLADE CURVATURE

DEGREES





Overview



ACHERON

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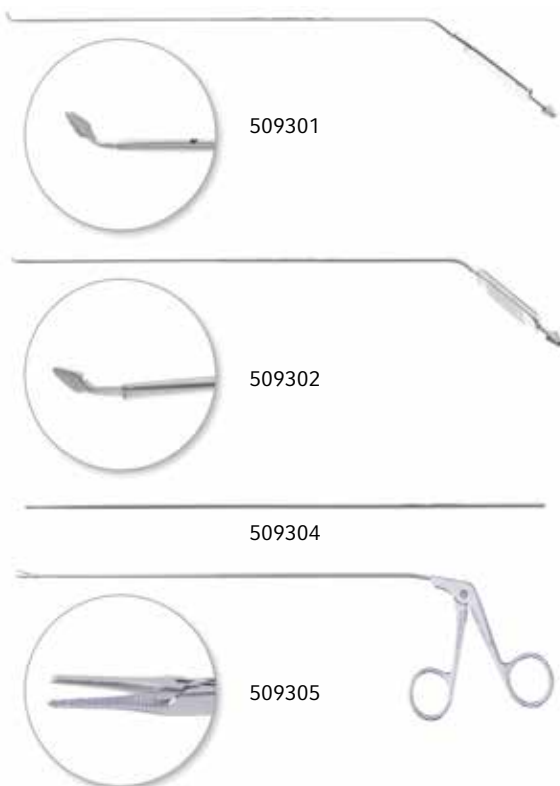


SUBGLOTTISCOPES

Laser Subglottiscope Instrumentation



MICROSUBGLOTTIC INSTRUMENTS



Designed for laser microsurgery of the entire subglottic space and upper cervical trachea, this instrumentation includes forceps, probe, mirror and platform (all 28 cm in length and laser finished).

CATALOG #	DESCRIPTION
509301	Operating platform, 3 mm
509302	Front surface mirror, 3 mm
509304	Straight probe
509305	Grasping forceps, straight



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LARYNGOSCOPES

Laryngoscope Holders



BOSTON UNIVERSITY SYSTEM PIVOTING EXTENSION ARM ASSEMBLY



502262

CATALOG #	DESCRIPTION
502262	BU Pivoting Extension Arm Assembly, overall length 10" (25.5 cm)

BOSTON UNIVERSITY SYSTEM LARYNGOSCOPE HANDLE



502261

CATALOG #	DESCRIPTION
502261	BU System Laryngoscope Handle, 2-1/2" (6.5 cm)

DEDO TABLE-MOUNTED MAYO TRAY



502265

The Dedo Table-Mounted Mayo Tray System is used to support the standard Laryngoscope Holder (502248/502245). The tray can be positioned at any height, will swivel and can be extended. All parts are stainless steel and can be disassembled for cleaning and sterilizing. This system can be easily covered by a sterile Mayo cover.

CATALOG #	DESCRIPTION
502265	Complete system: Tray Detachable Sliding Bars and Clamps Upright Rod Table Clamp (163100)



LARYNGOSCOPES

Laryngoscope Holders

NEW TOBEY LARYNGOSCOPE HOLDER (MOST POPULAR)



502248

The Tobey Laryngoscope Holder is the newest version of Laryngoscope holders. It has a quick attach/ release mechanism that provides a secure hold of your laryngoscope. The Tobey eliminates the twisting and turning necessary to lock the laryngoscope into the holder. It allows for fine adjustments using the size adjustment knob for different laryngoscope handles.

CATALOG #	DESCRIPTION
502248	Tobey Laryngoscope Holder

LARYNGOSCOPE HOLDER



502245

The external chest bar and rod easily attach to or detach from the handle of most laryngoscopes. Manually operated gear supplies leverage to the laryngoscope for exposure of the anterior commissure and allows the operator to have both hands free for instrumentation.

CATALOG #	DESCRIPTION
502245	Laryngoscope Holder, Improved Model (Laryngoscope is not included)

TABLE CLAMP



163100

CATALOG #	DESCRIPTION
163100	Clamp for Dedo Mayo Tray (502265) and Boston University Suspension System (502260)

LARYNGOSCOPES

Venturi Anesthesia Devices



VENTURI ADAPTERS FOR BRONCHOSCOPES AND LARYNGOSCOPES



502562



502566

Flow and pressure characteristics vary greatly according to the design of the bronchoscope or laryngoscope and any new combination should be studied carefully before clinical use. *Note: The Sanders Venturi System can be used only with tapered scopes.*

CATALOG #	DESCRIPTION
502562	Albert-Sanders Venturi Adapter for laryngoscopes
502566	Sanders Venturi Adapter for Bronchoscope 15 mm sidearm

TYGON TUBING WITH LUER-LOK CONNECTOR



502574

Used in conjunction with Luer-Lok connector 502599 to fit into toggle valve. The bare end of the tubing connects to the Venturi Adapters for Bronchoscopes and Laryngoscopes, 502562 and 502566.

CATALOG #	DESCRIPTION
502574	Adapter is 4 mm O.D. x 2.5 mm I.D.

LARYNGOSCOPES

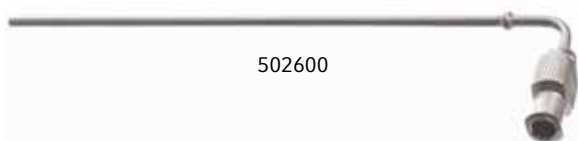
Venturi Anesthesia Devices



VENTURI VENTILATING NEEDLES



502594



502600



522241

CATALOG #	DESCRIPTION
502594	Replacement needles for 522229 Abramson-Dedo Micro-Laryngoscopes, 14 Ga., 5-3/8" (13.5 cm)
502600	Replacement needles for 522244 and 522245 Ossoff Adult Subglottoscopes, 522242 Healy-Jako Pediatric Subglottiscope and 522229 Abramson-Dedo Micro-Laryngoscope, 14 Ga. bent 90 degrees, 4" (10 cm)
522241	Replacement needles for 522229 Abramson-Dedo Micro-Laryngoscope, blunt, 14 Ga., 12" (30.5 cm)

REPLACEMENT LUER-LOK HUB ADAPTER



502599

CATALOG #	DESCRIPTION
502599	Needle Luer-Lok to Sanders Tubing, 1-1/8" (3 cm)

REPLACEMENT CLIPS



522240

CATALOG #	DESCRIPTION
522240	For securing Venturi Ventilating Needles, 5/8" (1.5 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Forceps



LARYNGEAL INSTRUMENTATION FOR LARYNGOSCOPES AND MICRO-LARYNGOSCOPES

Laryngeal Instruments are designed in conjunction with leading otolaryngology surgeons. These instruments can be utilized for both Laryngoscopy and Micro-Laryngoscopy. Surgeons continue to provide feedback for new designs and modifications as procedural changes occur.

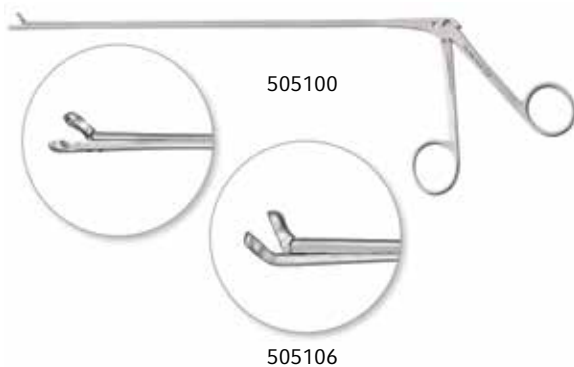
JACKSON CROSS ACTION FORCEPS



For anesthetizing the larynx by blocking the superior laryngeal nerves. Stainless steel.

CATALOG #	DESCRIPTION
507375	24 cm length from proximal end of handle to curve

JACKSON LARYNGEAL CUP FORCEPS - STANDARD LIGHTWEIGHT 4 AND 6 MM CUPS



Jackson Forceps come in standard and extra lightweight construction that provides durability and strength. The jaw size, shape and angle are specially calculated for use through Jackson scopes.

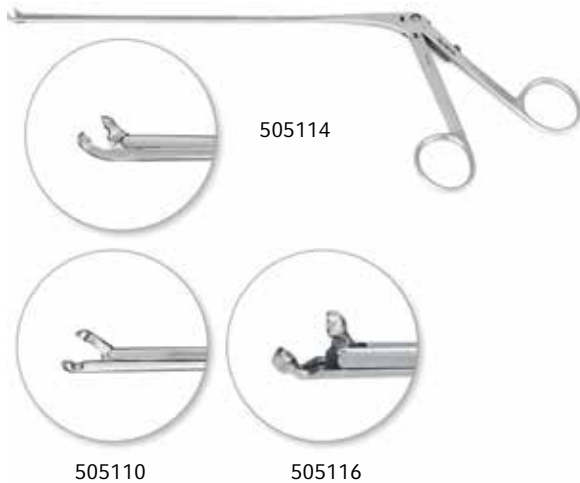
CATALOG #	DESCRIPTION
505100	Straight, 4 mm diameter jaw, working length 28 cm
505102	Straight, 6 mm diameter jaw, working length 28 cm
505104	Angled, 4 mm diameter jaw, working length 28 cm
505106	Angled, 6 mm diameter jaw, working length 28 cm



INSTRUMENTATION FOR LARYNGOSCOPES

Forceps

JACKSON LARYNGEAL CUP FORCEPS - EXTRA LIGHTWEIGHT 2 MM CUPS



Jackson Forceps come in standard and extra lightweight construction that provides durability and strength. The jaw size, shape and angle are specially calculated for use through Jackson scopes.

CATALOG #	DESCRIPTION
505110	Straight, 2 mm diameter jaw, working length 20 cm
505112	Straight, 2 mm diameter jaw, working length 28 cm
505114	Angled, 2 mm diameter jaw, working length 20 cm
505116	Angled, 2 mm diameter jaw, working length 28 cm

JACKSON TRIANGULAR PUNCH SPECIMEN AND TISSUE FORCEPS



Shear-type forceps remove a piece of tissue approximately 3.5 x 7 mm. Will pass through laryngoscope 10 mm or larger.

CATALOG #	DESCRIPTION
505342	Angled jaws, working length 11-1/8" (28.5 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Forceps



LORE SUBGLOTTIC SPECIMEN AND TISSUE FORCEPS



Jaws angled 90 degrees upward and open to the right or left. Working length 11-1/8" (28.5 cm).

CATALOG #	DESCRIPTION
505195	Opens to right, 6 mm jaw
505196	Opens to left, 6 mm jaw

PATTERSON ELONGATED CUP BITING FORCEPS



CATALOG #	DESCRIPTION
505230	Regular, 4 mm width jaw, working length 11-1/8" (28.5 cm)

NORRIS SPONGE HOLDING FORCEPS



Bayonet-shaped, cross action forceps designed for use in mediastinoscopy. Straight distal portion of jaw is 16 cm long.

CATALOG #	DESCRIPTION
506747	13-1/8" (33 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Suction Tubes



INSULATED CAUTERY SUCTION TUBE

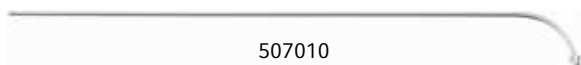


507045

With thumb-valve for controlled suction, 4 mm diameter, 12 Fr.

CATALOG #	DESCRIPTION
507045	Working length 8-5/8" (22 cm), supplied with a 10 ft. Bovie cord and plug (507046)
507046	10 ft. Bovie cord and plug with connection to fit insulated suction cautery tube. Cord only.

JACKSON OPEN END ASPIRATING TUBE



507010

Aspirating Tubes, except in special designs, are constructed of stainless steel. They are measured in working length from distal tip to beginning of proximal curve or angle. Aspirating tubes should be 5 cm or 10 cm longer than the scope through which they are used.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	TUBE DIAMETER
507010	20 cm	5.0 mm or larger	4 mm (12 Fr.)

JACKSON "VELVET-EYE" ASPIRATING TUBES



507030

These tubes have a smooth, oval-shaped opening on each side of the distal tip and a closed, blunt end.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	TUBE DIAMETER
507030	20 cm	5.0 mm or larger	4 mm (12 Fr.)

STRONG SUCTION IRRIGATOR



506485

For washing dyed vocal cords with saline.

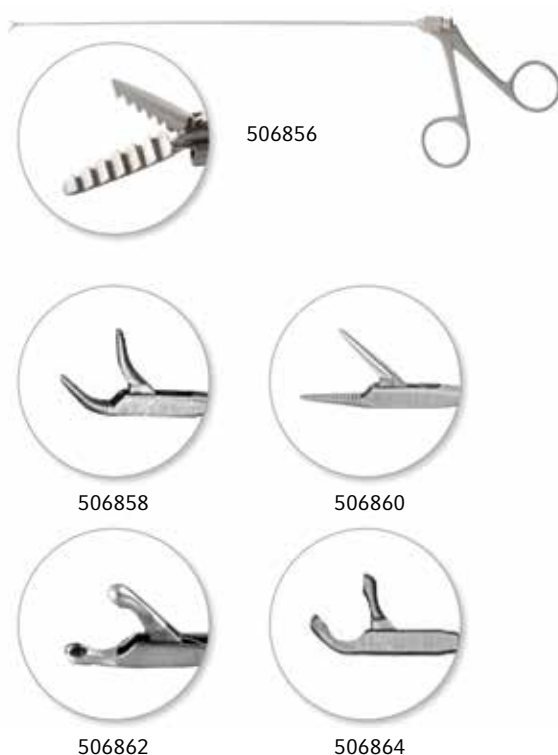
CATALOG #	DESCRIPTION
506485	9" (23 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Feder-Ossoff



FEDER-OSSOFF MICRO-LARYNGEAL GRASPING FORCEPS



Feder-Ossoff forceps include alligator grasping and cup biopsy jaws. All forceps have a matte laser finish and shafts that taper from 2 mm to 0.5 mm.

Double-action grasping forceps have aggressive serrated jaws for better holding and a suction channel with a Luer-Lok proximal fitting for smoke evacuation and improved visibility during laser procedures.

Grasping forceps have finely serrated jaws, 1.1 mm wide tapering to 0.6 mm, 4 mm long and a working length of 23 cm.

Delicate biopsy cup forceps have a 1 mm jaw with a working length of 23 cm.

CATALOG #	DESCRIPTION
506856	Grasping forceps, double action, straight, with suction
506858	Grasping forceps, angled up
506860	Grasping forceps, straight
506862	Cup biopsy, 1 mm, straight
506864	Cup biopsy, 1 mm, angled up



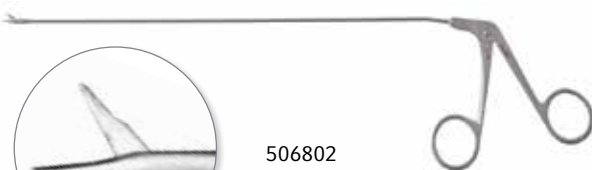
0 in 1 2 3 4 5 6 7 8 9

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Feder-Ossoff



FEDER-OSSOFF MICRO-LARYNGEAL SCISSORS



Scissors are designed with blunt or sharp tips and come in a variety of patterns to enable easier access and better exposure. All scissors have a 23 cm working length, a 2 mm diameter shaft and a 5 degree bend at the handle for better exposure.



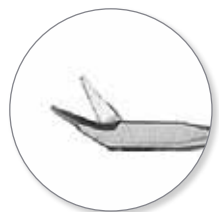
506802



506804



506806



506808



506810



506822



506812



506814



506816



506818



506820



506824

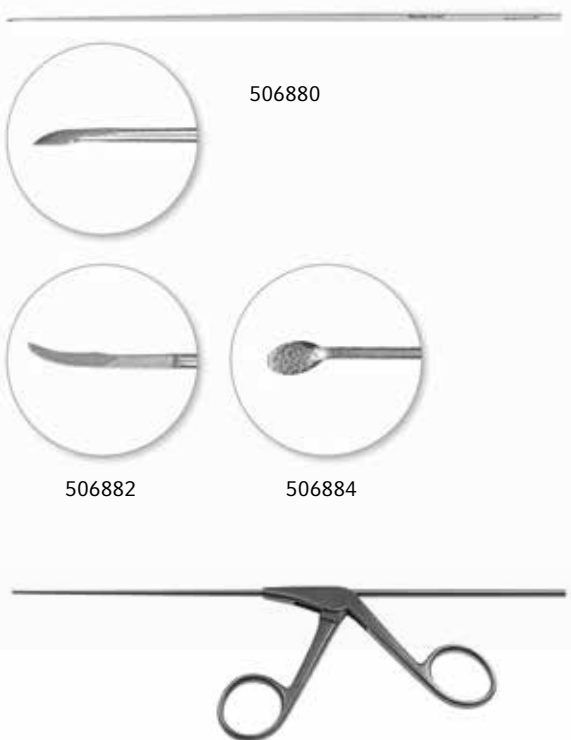
CATALOG #	DESCRIPTION
506802	Blunt, straight blades, vertical action
506804	Blunt, curved blades, horizontal action, open left
506806	Blunt, curved blades, horizontal action, open right
506808	Blunt, angled up, vertical action
506810	Blunt, angled down, vertical action
506822	Blunt, angled up, double action
506812	Sharp, straight blades, vertical action
506814	Sharp, curved blades, horizontal action, open left
506816	Sharp, curved blades, horizontal action, open right
506818	Sharp, angled up, vertical action
506820	Sharp, angled down, vertical action
506824	Sharp, double action

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Feder-Ossoff



KNIVES AND KNIFE HANDLE



All knives have 27 cm maximum working length and a 3.2 – 1 mm tapered shaft. Working length is measured from front portion of handle to tip of instrument.

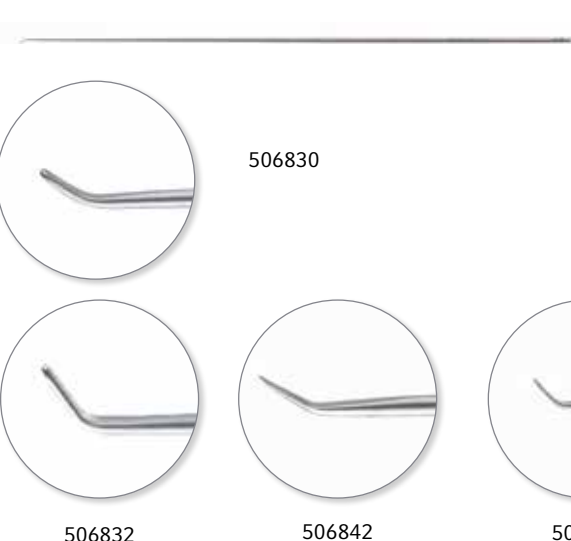
CATALOG #	DESCRIPTION
506880	Straight sickle, 3 mm blade
506882	Curved sickle, 3 mm blade
506884	Phono circle knife, 3 mm blade
506888	Universal ring handled knife handle with camlock



506888

Shown with probe inserted into handle. Knives and probes can be set to any angle or depth relative to the handle.

PROBE/ELEVATORS



These probe/elevators allow for sharp and blunt dissection and elevating of tissue. All probes fit into the Camlock Handle (506888). 27 cm working length.

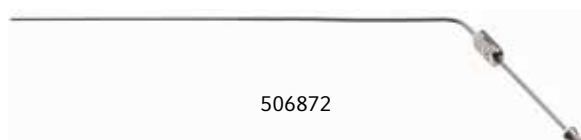
CATALOG #	DESCRIPTION
506830	30 degree angle, blunt
506832	60 degree angle, blunt
506842	30 degree angle, sharp
506844	60 degree angle, sharp

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Feder-Ossoff



SUCTIONS



23 cm working length with thumb control, laser finish.

CATALOG #	DESCRIPTION
506870	3 Fr. diameter
506872	5 Fr. diameter
506874	7 Fr. diameter

FEDER-OSSOFF PHONOSURGERY INSTRUMENT TRAY



Has individual instrument housing. The tray is a durable construction, protecting the delicate instruments. This tray may be stacked for storage.

CATALOG #	DESCRIPTION
506890	Inside dimensions: 11-3/4" x 15-1/4" x 3" (30 x 38.5 x 7.5 cm) at handles

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Feder-Ossoff



MICRO-LARYNGEAL FORCEPS



506950

The serrated triangular jaw allows for a larger surface area of tissue to be grasped within the 3 mm wide tips. These forceps have a 23 cm working length and a non-reflective finish for use with lasers. Jaws are uniquely angled and fenestrated to better grasp along the longitudinal surface of the respective cord, 2.75 mm wide triangular jaw, serrated jaw, 2 mm shaft. Fits adult laryngoscopes without interfering with microscope, 5 degree bend at the handle. Non-reflective finish; can be used in laser surgery.

CATALOG #	DESCRIPTION
506950	Triangular fenestrated, serrated jaw forceps, right, working length 9-1/4" (23.5 cm)
506952	Triangular fenestrated, serrated jaw forceps, left, working length 9-1/4" (23.5 cm)

Micro-Laryngeal/Jako-Kleinsasser

JAKO-KLEINSASSER MICRO-LARYNGEAL CUP FORCEPS (MOST COMMON & ESSENTIAL)



506455

These Micro-Laryngeal Cup Forceps were designed specifically for everyday-use micro-surgery. They feature slender 2 mm diameter stems with miniature distal jaws in the shape of cup forceps and are made of dull finished stainless steel to reduce glare. Stems are angulated (5 degree bend at handle) for unobstructed vision and all have a 22 cm working length.

CATALOG #	DESCRIPTION
506455	Straight
506460	Angled left
506461	Angled right
506462	Angled up
506463	Oval, single action
506465	Straight oval



506460



506461



506462



506463



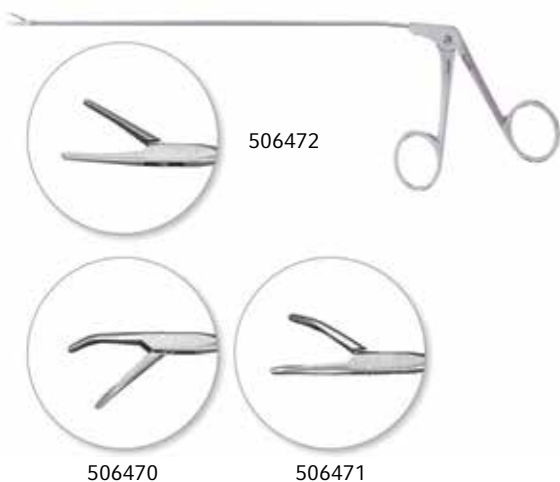
506465

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Jako-Kleinsasser



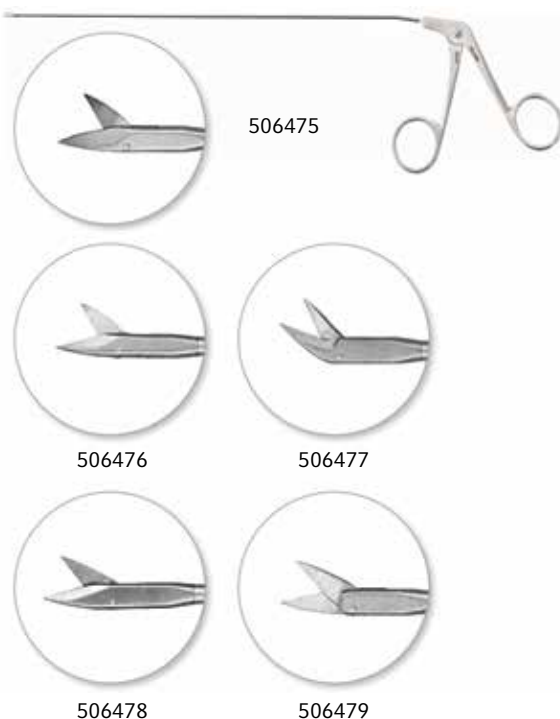
JAKO-KLEINSASSER MICRO-LARYNGEAL GRASPING FORCEPS



These Micro-Laryngeal Grasping Forceps were designed specifically for everyday-use micro-surgery. They feature slender 2 mm diameter stems with miniature distal jaws in the shape of grasping forceps and are made of dull finished stainless steel to reduce glare. Stems are angulated (5 degree bend at handle) for unobstructed vision and all have a 22 cm working length.

CATALOG #	DESCRIPTION
506470	Curved left
506471	Curved right
506472	Straight, very fine serrated

JAKO-KLEINSASSER MICRO-LARYNGEAL SCISSORS



These Micro-Laryngeal Scissors were designed specifically for everyday-use micro-surgery. They feature slender 2 mm diameter stems with miniature distal jaws in the shape of scissors and are made of dull finished stainless steel to reduce glare. Stems are angulated (5 degree bend at handle) for unobstructed vision and all have a 22 cm working length.

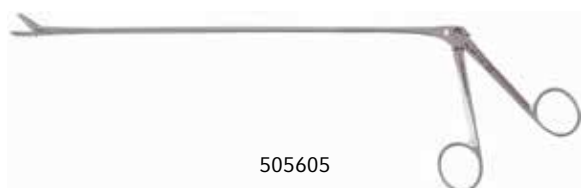
CATALOG #	DESCRIPTION
506475	Curved left
506476	Curved right
506477	Angled up
506478	Straight, vertical
506479	Straight, horizontal

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Jako



JACKSON LARYNGEAL SCISSORS



CATALOG #	DESCRIPTION
505605	Straight, 7-7/8" (20 cm) long blades, working length 11-1/8" (28.5 cm)

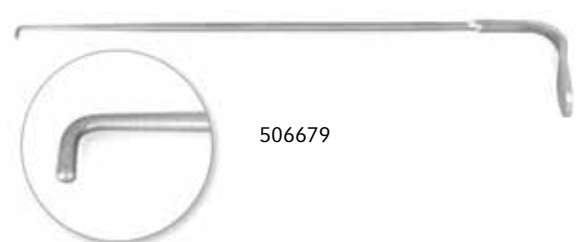
JAKO COAGULATION PROBE



Will fit standard Bovie Pencil Handle.

CATALOG #	DESCRIPTION
506672	Working length 8-1/4" (21 cm)

JAKO FINE BALL TIP HOOK



CATALOG #	DESCRIPTION
506679	Right angle, 9" (23 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Jako



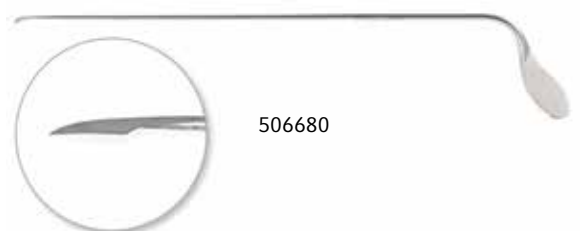
JAKO MIRROR



For minor examination of the undersurface of the vocal cords.

CATALOG #	DESCRIPTION
508230	Working length 8-1/4" (21 cm)

JAKO SICKLE KNIFE



CATALOG #	DESCRIPTION
506680	10-1/4" (26 cm)

JAKO FINE SUCTION TUBES



Specially designed with thumb control.

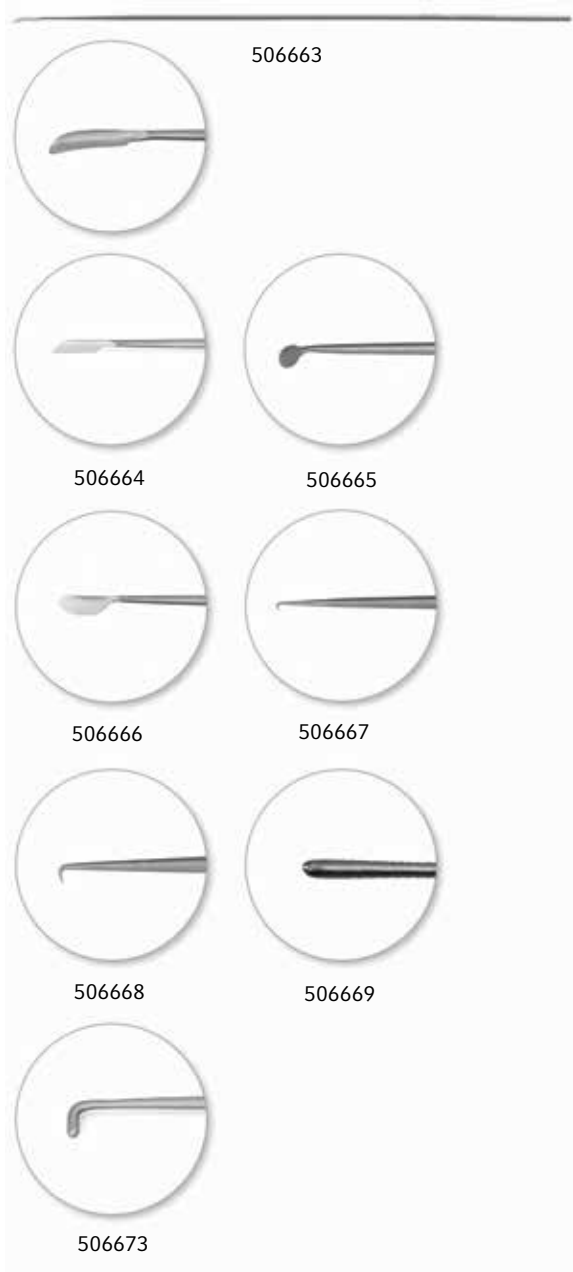
CATALOG #	DESCRIPTION
507120	No. 00, 5 Fr., 23 cm working length
507121	No. 0, 6 Fr., 23 cm working length
507122	No. 1, 7 Fr., 23 cm working length

INSTRUMENTATION FOR LARYNGOSCOPES

Micro-Laryngeal/Jako



JAKO RIGID STEM INSTRUMENTS



Dull finish to reduce glare. May be used with 506888 Feder-Ossoff Universal Ring Handled Knife Handle (pg. 425). Working length 26 cm.

CATALOG #	DESCRIPTION
506663	Jako Sickle Knife, curved
506664	Jako Sickle Knife, straight
506665	Jako Circle Knife
506666	Jako Round Edge Knife
506667	Jako Sharp Hook, slight
506668	Jako Sharp Hook, acute
506669	Jako Probe, straight
506673	Jako Blunt Angled Probe



Shown with probe inserted into handle. Knives and probes can be set to any angle or depth relative to the handle.

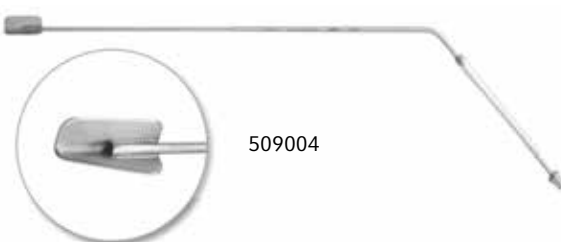


INSTRUMENTATION FOR LARYNGOSCOPES

Laser Instrumentation



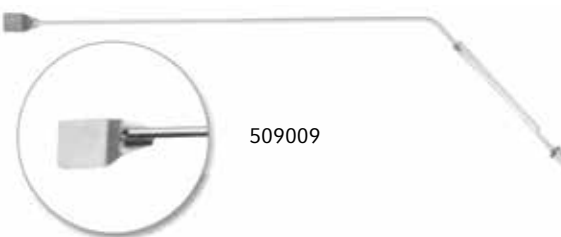
ANGLED LASER RETRACTORS



For protection of the anterior commissure and the evacuation of smoke and plume during laser surgery. Non-reflective finish on shaft. 23 cm working length.

CATALOG #	DESCRIPTION
509004	Adult, right, 8 mm diameter
509005	Adult, left, 8 mm diameter
509006	Pediatric, right, 4 mm diameter
509007	Pediatric, left, 4 mm diameter

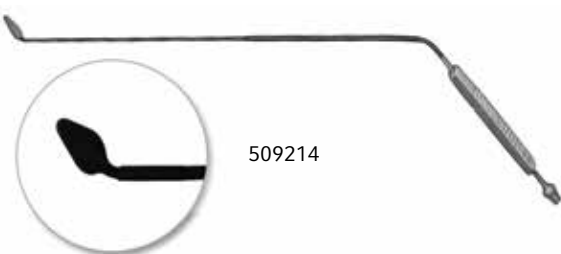
LASER SPATULA RETRACTORS



For protection/retraction of the vocal cords and for the evacuation of smoke and plume during laser surgery. 23 cm working length. Non-reflective finish on shaft.

CATALOG #	DESCRIPTION
509008	Adult, right, 10 mm diameter
509009	Adult, left, 10 mm diameter
509010	Pediatric, right, 5mm diameter

LASER OPERATING PLATFORM - EBONIZED



The platform is inserted into the subglottic larynx above the level of the packed cottonoids. The platform helps to protect the cottonoids, endotracheal tube and cuff, and tissues of the subglottic larynx from any direct or reflected laser beam radiation. Shaft and tip are ebonized. 21 cm working length.

CATALOG #	DESCRIPTION
509214	4 mm diameter platform
509215	6 mm diameter platform
509216	8 mm diameter platform

INSTRUMENTATION FOR LARYNGOSCOPES

Laser Instrumentation



ASPIRATING TUBES



For removal of smoke and steam created during laser surgery. 3 mm diameter (9 Fr.).

CATALOG #	DESCRIPTION
509012	"Velvet-eye"-type, working length 7-7/8" (20 cm)
509013	Open end, working length 6" (15 cm)
509014	Clip for attaching aspirating tubes to laryngoscope up to 9 Fr. (3 mm)



INSTRUMENTATION FOR LARYNGOSCOPES

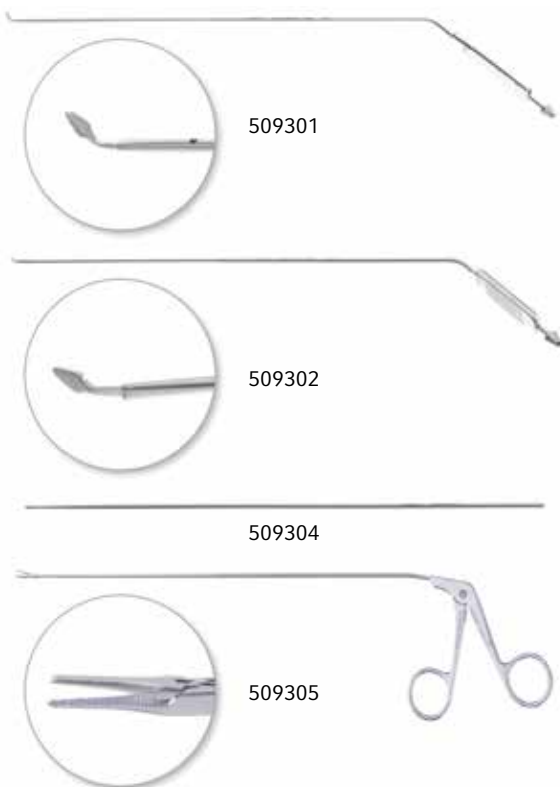
Laser Instrumentation



MICROSUBGLOTTIC INSTRUMENTS

Designed for laser microsurgery of the entire subglottic space and upper cervical trachea, this instrumentation includes forceps, probe, mirror and platform (all 28 cm in length and laser finished).

CATALOG #	DESCRIPTION
509301	Operating platform, 3 mm
509302	Front surface mirror, 3 mm
509304	Straight probe
509305	Grasping forceps, straight

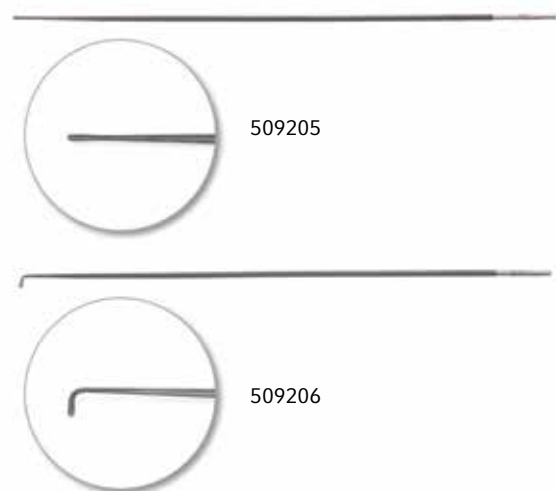


INSTRUMENTATION FOR LARYNGOSCOPES

Laser Instrumentation



MICRO-LARYNGEAL PROBES - EBONIZED



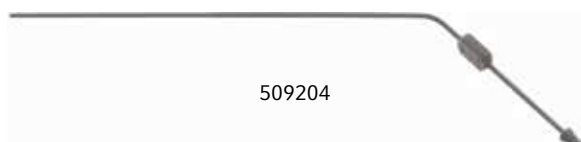
CATALOG #	DESCRIPTION
509205	Straight, ebonized, 10-1/4" (26 cm)
509206	Angled, ebonized, 10" (25.5 cm)

OSSOFF-KARLAN GRASPING FORCEPS - EBONIZED



CATALOG #	DESCRIPTION
509201	Curved left, ebonized, working length 8-1/4" (21 cm)
509202	Curved right, ebonized, working length 8-1/4" (21 cm)
509203	Straight, ebonized, working length 8-1/4" (21 cm)

OSSOFF-KARLAN MICRO SUCTION TUBE - EBONIZED



CATALOG #	DESCRIPTION
509204	7 Fr., ebonized, working length 7-1/2" (19 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Laser Instrumentation



OSSOFF-KARLAN VOCAL CORD ROLLER - EBONIZED

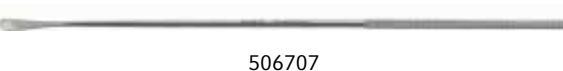


This instrument was designed to facilitate greater direct exposure of the infraglottic surface of the true vocal cords.

CATALOG #	DESCRIPTION
509207	Ebonized, 8-1/4" (21 cm)

Miscellaneous

HOLINGER LARYNGEAL DISSECTOR



CATALOG #	DESCRIPTION
506707	12" (30.5 cm)

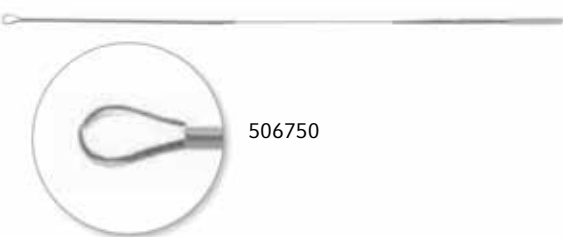
HOLINGER KNIFE HANDLE



For use with surgical blades no. 10, 11, 12 and 15.

CATALOG #	DESCRIPTION
506705	11" (28 cm)

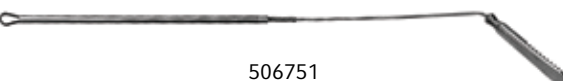
JACKSON STANDARD SPONGE CARRIER



For use through laryngoscopes and bronchoscopes. Heavy construction weight. Stainless steel.

CATALOG #	DESCRIPTION
506750	Working length 11-3/4" (30 cm)
506752	Working length 15-3/4" (40 cm)

JAKO FINE SPONGE CARRIER



To hold small piece of sponge rubber used to dye vocal cords for diagnostic purposes.

CATALOG #	DESCRIPTION
506751	Working length 10-1/4" (26 cm)

INSTRUMENTATION FOR LARYNGOSCOPES

Miscellaneous



ABRAHAM LARYNGEAL SYRINGE CANNULA



507434

For use on Luer-Lok syringes.

CATALOG #	DESCRIPTION
507434	Malleable, 5-7/8" (15 cm)

BONNIER CATHETER ADAPTER



507335

For attachment of catheters to Luer tip syringes.

CATALOG #	DESCRIPTION
507335	1-3/8" (3.5 cm)

LUER-LOK CATHETER ADAPTER



507336

For attachment of catheters to Luer-Lok syringes.

CATALOG #	DESCRIPTION
507336	1-1/2" (4 cm)

CENTIMETER SUBTRACTION RULER



504075

For accurate calculation by subtraction of the depth to which a scope has been inserted.

CATALOG #	DESCRIPTION
504075	30 cm



ACHERON

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🌐 URL: www.acheron-instruments.com ✉ info@acheron-instruments.com, instruments.acheron@gmail.com

BRONCHOSCOPES



Bronchoscopes are designed in conjunction with Dr. Paul Holinger and Dr. C.L. Jackson for ease in examination and performance of surgical procedures in the lung and bronchi. These instruments use fiberoptics

to provide cool, constant illumination and nearly full lumen view. Each type of scope is designed with channels to ventilate the patient during the procedure.

BRONCHOSCOPE AND LASER BRONCHOSCOPE PATIENT SIZE LISTING

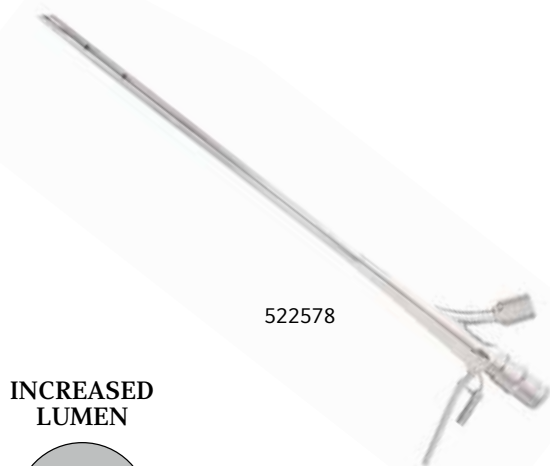
CATALOG #	PRODUCT NAME	CATALOG #	PRODUCT NAME
NEONATE/INFANT BRONCHOSCOPES		ADOLESCENT BRONCHOSCOPES	
522575	Holinger	522579	Holinger
522576	Holinger	522580	Holinger
522550	Improved Holinger	522581	Holinger
522552	improved Holinger	522582	Holinger
CHILD/PEDIATRIC BRONCHOSCOPES		522583	Holinger
522554	Improved Holinger	ADOLESCENT LASER BRONCHOSCOPES	
522556	Improved Holinger	523120P	CO ₂
522576	Holinger	523130P	CO ₂
522577	Holinger	523176	YAG
523578	Holinger	ADULT BRONCHOSCOPES	
		522584	Holinger
		522585	Holinger
		522586	Holinger
		522587	Holinger
		ADULT LASER BRONCHOSCOPES	
		523140P	CO ₂
		523150P	CO ₂
		523160P	CO ₂

BRONCHOSCOPES

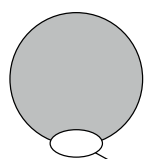
Holinger Design



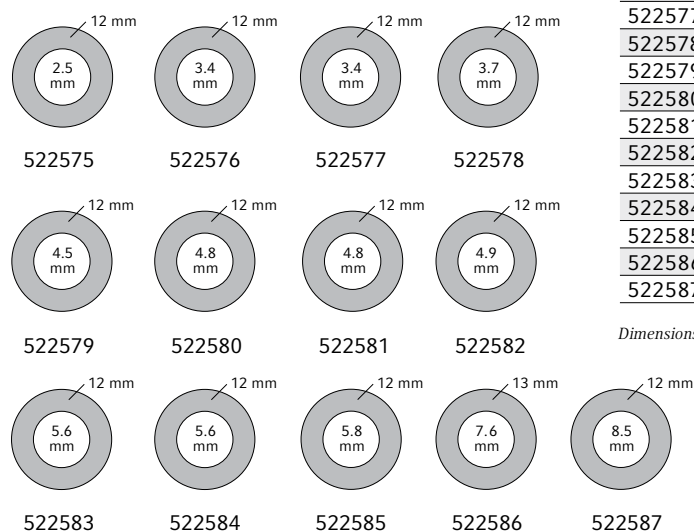
HOLINGER VENTILATING FIBEROPTIC BRONCHOSCOPE



INCREASED LUMEN



Oval Light Carrier



Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), NOT TO SCALE.

Designed by Dr. Paul Holinger, these fiberoptic bronchoscopes provide a nearly full view of the lumen with constant, cool illumination. Special features include:

- 15 mm sidearm for direct attachment of ventilation and anesthesia apparatus.
- Large fiber bundle for increased distal illumination.
- Oval fiber optic light carrier, which allows more viewing and instrumentation room in main tube.
- 15 mm diameter proximal end for attachment of accessories (window plug, Sanders Venturi, etc.).
- Smooth distal tip.
- Shortened proximal flare.
- Each Holinger Bronchoscope is supplied with one light carrier and one window plug (522595).
- Blue fiber optic cable sold separately (see pg. 467).

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN I.D.	NOMINAL PROXIMAL I.D.	MAX O.D.	REPLACE CARRIER
522575	3 x 20	203 mm	2.5 mm	12.0 mm	9.4 mm	527500
522576	3.5 x 25	254 mm	3.4 mm	12.0 mm	12.0 mm	527505
522577	3.5 x 30	305 mm	3.4 mm	12.0 mm	12.0 mm	527510
522578	4 x 30	305 mm	3.7 mm	12.0 mm	12.0 mm	527510
522579	5 x 30	305 mm	4.5 mm	12.0 mm	12.5 mm	527510
522580	5 x 35	350 mm	4.8 mm	12.0 mm	12.5 mm	527515
522581	5 x 40	400 mm	4.8 mm	12.0 mm	12.5 mm	527520
522582	5 x 45	451 mm	4.9 mm	12.0 mm	12.0 mm	527525
522583	6 x 35	350 mm	5.6 mm	12.0 mm	12.0 mm	527555
522584	6 x 40	400 mm	5.6 mm	12.0 mm	13.0 mm	527560
522585	7 x 40	400 mm	5.8 mm	12.0 mm	15.3 mm	527560
522586	8 x 40	400 mm	7.6 mm	13.0 mm	15.4 mm	527580
522587	9 x 40	400 mm	8.5 mm	12.0 mm	16.4 mm	527580

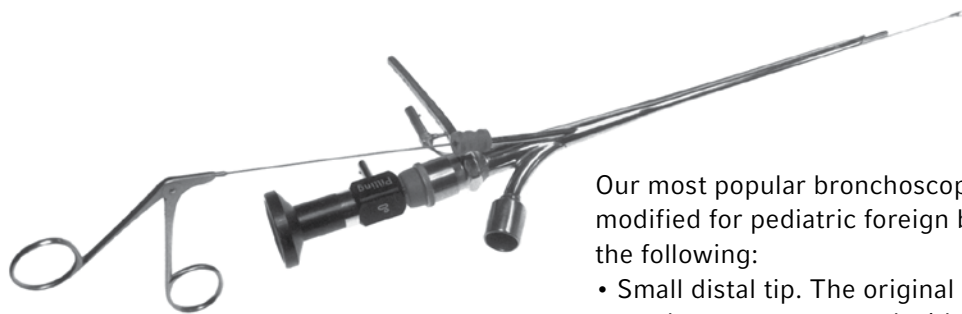
Dimensions without window plug.

BRONCHOSCOPES

Holinger Pediatric Design



IMPROVED HOLINGER VENTILATING FIBEROPTIC BRONCHOSCOPES

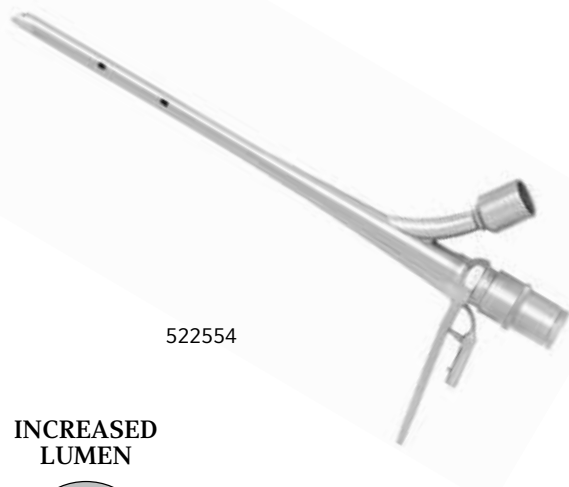


- 524022 Telescope 2.7 mm, 0°
- 524036 Telescope Guide 2.7 mm
- 522552 Improved Holinger Bronchoscope 3.5 x 20
- 505670 Flexible 1 mm Alligator Forceps

Our most popular bronchoscope, the Holinger, has been modified for pediatric foreign body removal and features the following:

- Small distal tip. The original Holinger tip has been cut down to correspond with tube size, while still retaining smoothness.
- Built-in instrument channel for introduction of flexible forceps or disposable suction.
- Full lumen view. The oval fiberoptic light carrier has been raised slightly to provide a full lumen and give more room for instrumentation and a larger viewing area.
- 15 mm sidearm attachment allows direct attachment of ventilation and anesthesia apparatus.

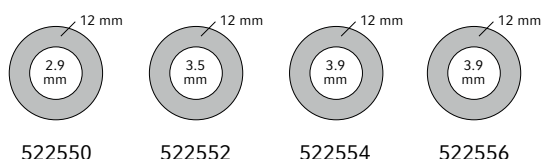
Each Improved Holinger Bronchoscope is supplied with one light carrier, one window plug (522595) and instrument guide rubber cap. Blue fiber optic cable sold separately (see pg. 467).



CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN I.D.	NOMINAL PROXIMAL I.D.	MAX O.D.	REPLACE CARRIER
522550	3 x 20	203 mm	2.9 mm	12.0 mm	9.0 mm	527500
522552	3.5 x 20	203 mm	3.5 mm	12.0 mm	12.0 mm	527500
522554	4 x 20	203 mm	3.9 mm	12.0 mm	12.0 mm	527500
522556	4 x 25	254 mm	3.9 mm	12.0 mm	11.0 mm	527505

Dimensions without window plug.

NOTE: The light carrier can be removed from the Improved Holinger Bronchoscope and forceps introduced through the light carrier channel with the 2.7 mm telescope in place (telescope may have to be partially withdrawn in 522550 and 522552 scopes).



Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), NOT TO SCALE.

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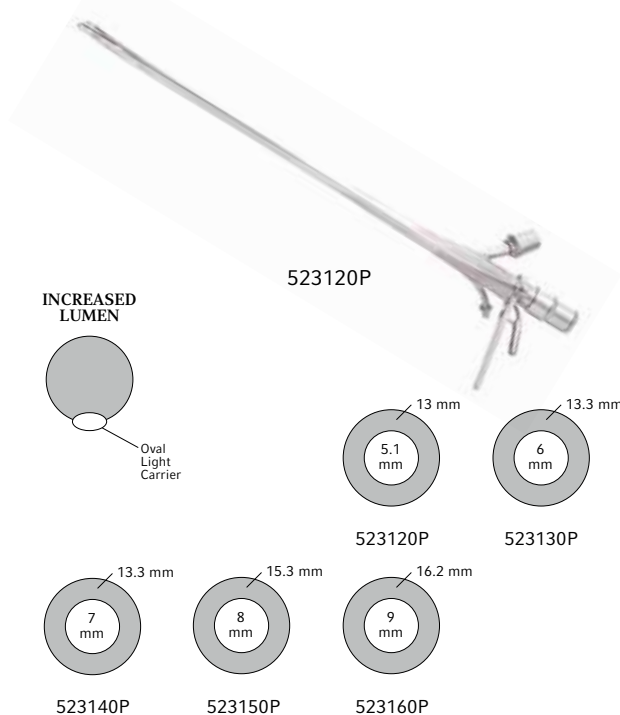
URL: www.acheron-instruments.com ✉ info@acheron-instruments.com, instruments.acheron@gmail.com

BRONCHOSCOPES

Laser Bronchoscopes



BRONCHOSCOPE SYSTEM



Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), NOT TO SCALE.

- Holinger-type Bronchoscope with window plug.
- Standard 15 mm anesthesia ventilating arm.
- Dedicated, distally-delivered YAG or suction channel.
- Dedicated, distally-opened smoke evacuation channel.
- Enlarged, oval fiberoptic, distal light carrier. One supplied with each scope.
- Five sizes of CO₂ bronchoscopes available.
- Can be used with CO₂ laser.
- Side ports can be used for flexible instrumentation.
- Blue fiber optic cable sold separately (see pg. 467).

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN I.D.	NOMINAL PROXIMAL I.D.	MAX O.D.	REPLACE CARRIER
523120P	5.0 x 30	300 mm	5.1 mm	13.0 mm	13.0 mm	527550
523130P	6.0 x 35	350 mm	6.0 mm	13.3 mm	13.3 mm	523131
523140P	7.0 x 40	400 mm	7.0 mm	13.3 mm	13.3 mm	527580
523150P	8.0 x 40	400 mm	8.0 mm	15.3 mm	15.3 mm	527580
523160P	9.0 x 40	400 mm	9.0 mm	16.2 mm	16.2 mm	527580
524042	Replaceable rubber cap for Forceps/Suction Channel					

MOISTURE BARRIER FOR CO₂ COUPLER-MANIPULATOR



CATALOG #	DESCRIPTION
523210P	To be used with the CO ₂ Coupler-Manipulator 523200P

BRONCHOSCOPES

Bronchoscope Accessories



BRONCHOSCOPE ADAPTER



522590

Converts older Jackson and Holinger Bronchoscopes with 11 mm oxygen connector to standard 15 mm anesthesia and positive pressure connector.

CATALOG #	DESCRIPTION
522590	Bronchoscope Ventilating Adapter, 3/4" (2 cm)

FLUVOG SLIDE ATTACHMENT FOR BRONCHOSCOPES

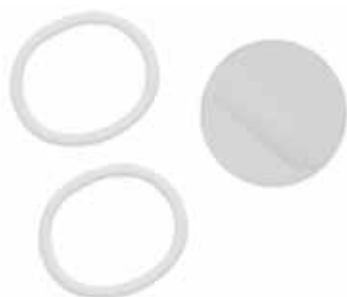


502540

For use on bronchoscopes with the 15 mm proximal extension. Provides "closed system" bronchoscopes with the use of instrumentation.

CATALOG #	DESCRIPTION
502540	Tapered fit for easy attachment or removal

BRONCHOSCOPE WINDOW PLUG REPLACEMENT LENS



522596

CATALOG #	DESCRIPTION
522596	Replacement kit for Bronchoscope window plug, consists of lens and two Teflon seals

WINDOW PLUG



522595

Fits 15 mm proximal extension of Holinger and Jackson Bronchoscopes and Esophagoscopes. Provides a "closed system" for anesthesia in bronchoscopy or inflation during esophagoscopy.

CATALOG #	DESCRIPTION
522595	Window plug, 1-1/8" (3 cm)



BRONCHOSCOPES

Cleaning Brushes



HOLMAN SCOPE BRUSHES

For loosening hardened secretions not freed by washing.

CATALOG #	DESCRIPTION
508540	Set of three: small, medium, large
508541	Brush for large scopes, 15 mm x 62 cm
508542	Brush for medium scopes, 11 mm x 56 cm
508543	Brush for small scopes, 9 mm x 49 cm
508544	Special extra-small brush for infant scopes, 6 mm x 46 cm



508540

ESOPHAGOSCOPES



The Esophagoscopes have been designed in conjunction with the innovators in esophageal surgery for examination, diagnostic procedures and removal of foreign bodies in the

esophagus. These fiberoptic scopes have been designed for ease of insertion. A variety of sizes and configurations are offered to meet the patient's specific needs.

PILLING® ESOPHAGOSCOPE PATIENT SIZE LISTING

CATALOG #	PRODUCT NAME	CATALOG #	PRODUCT NAME
NEONATE/INFANT ESOPHAGOSCOPES		ADULT ESOPHAGOSCOPES	
523570	Holinger	523602	Jackson
523505	Holinger Speculum	523604	Jackson
CHILD/PEDIATRIC ESOPHAGOSCOPES		523608	Jackson
523600P	Jackson	523610P	Jackson
523602	Jackson	523612	Jackson
523650P	Jesberg	523614	Jackson
523652	Jesberg	523656	Jesberg
523640	Pillsbury-Jesberg	523658	Jesberg
523642	Pillsbury-Jesberg	523660P	Jesberg
523571	Holinger	523646	Pillsbury-Jesberg
523572	Holinger	523648	Pillsbury-Jesberg
523675	Forbes	523649	Pillsbury-Jesberg
ADOLESCENT ESOPHAGOSCOPES		523577	Holinger
523654	Jesberg	523579	Holinger
523644	Pillsbury-Jesberg	523581	Holinger
523573	Holinger	523582	Holinger
523574	Holinger	523677	Forbes
523575	Holinger		

0 in 1 2 3 4 5 6 7 8 9



ACHERON

ESOPHAGOSCOPES

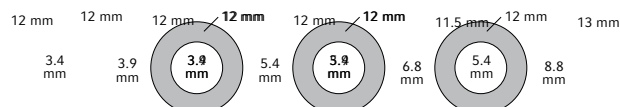
Holinger Design



HOLINGER FIBEROPTIC ESOPHAGOSCOPES



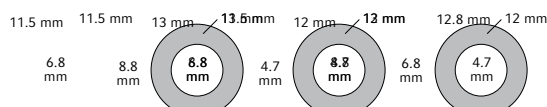
523570



523570

523571

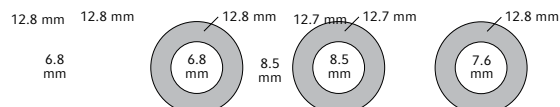
523572



523573

523574

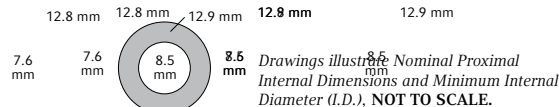
523575



523577

523579

523581



523582

Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), NOT TO SCALE.

Designed by Dr. Paul Holinger, these fiberoptic esophagoscopes provide a nearly full view of the lumen with constant cool illumination. Special features of these esophagoscopes include:

- Large fiber bundle for increased distal illumination.
- Aspiration channel on the exterior of the scope to permit maximum lumen.
- Oval fiber optic light carrier to allow more viewing and instrumentation room in main tube.
- Smooth distal tip.
- 15 mm proximal end for attachment of accessories.
- Blue fiber optic cable sold separately (see pg. 467).

Holinger Fiberoptic Esophagoscopes are supplied with one light carrier and one window plug (522595).

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN I.D.	NOMINAL PROXIMAL I.D.	MAX O.D.	REPLACE CARRIER
523570	3.5 x 30	300 mm	3.4 mm	12.0 mm	14.5 mm	527510
523571	4 x 30	300 mm	3.9 mm	12.0 mm	15.0 mm	527510
523572	6 x 30	300 mm	5.4 mm	12.0 mm	15.6 mm	527550
523573	7 x 30	300 mm	6.8 mm	11.5 mm	16.0 mm	527550
523574	9 x 30	300 mm	8.8 mm	13.0 mm	20.0 mm	527575
523575	5 x 35	349 mm	4.7 mm	12.0 mm	15.0 mm	527515
523577	7 x 45	451 mm	6.8 mm	12.8 mm	14.6 mm	527565
523579	9 x 53	530 mm	8.5 mm	12.7 mm	21.0 mm	527585
523581	8 x 45	451 mm	7.6 mm	12.8 mm	19.0 mm	527583
523582	9 x 45	451 mm	8.5 mm	12.9 mm	20.0 mm	527583

Dimensions are without window plug.

ESOPHAGOSCOPES

Jackson Design

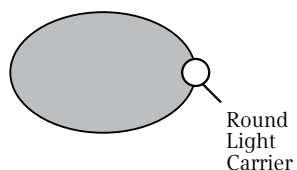


JACKSON FIBER OPTIC OVAL ESOPHAGOSCOPES

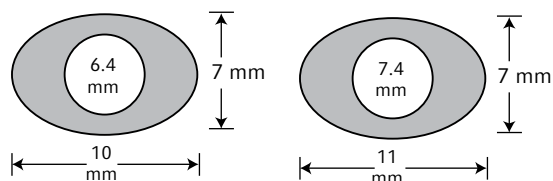


523604

STANDARD
LUMEN

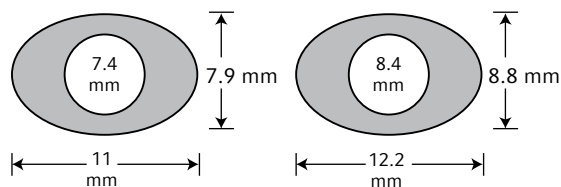


Round
Light
Carrier



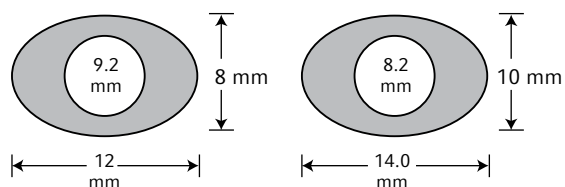
523600P

523602



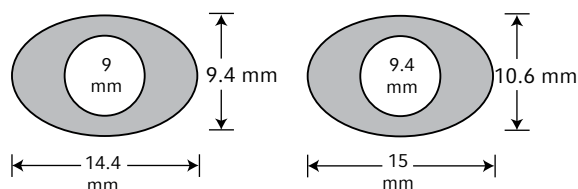
523604

523606



523608

523610P



523612

523614

In the oval model, the distal end is slightly flared to form a blunt, smooth edge without increasing the bulk of the tip unnecessarily. The light carrier is placed on the right side of the tube so that the cord is directed away from the hand of the operator. Supplied with one light carrier. Blue fiber optic cable sold separately (see pg. 467).

CATALOG #	SCOPE SIZE	OVERALL LENGTH	MIN I.D.	NOMINAL PROXIMAL DIMENSIONS	MAX O.D.	REPLACE CARRIER
523600P	7 x 10 x 25	251 mm	6.4 mm	7.0 x 10.0 mm	14.2 mm	526262
523602	8 x 12 x 50	502 mm	7.4 mm	7.0 x 11.0 mm	15.5 mm	526284
523604	9 x 13 x 25	251 mm	7.4 mm	7.9 x 11.0 mm	16.6 mm	526262
523606	10 x 14 x 30	302 mm	8.4 mm	8.8 x 12.2 mm	18.0 mm	526266
523608	10 x 14 x 40	401 mm	9.2 mm	8.0 x 12.0 mm	17.8 mm	526274
523610P	10 x 14 x 50	502 mm	8.2 mm	10.0 x 14.0 mm	17.5 mm	526284
523612	12 x 16 x 50	502 mm	9.0 mm	9.4 x 14.4 mm	18.8 mm	526284
523614	12 x 18 x 35	350 mm	9.4 mm	10.6 x 15.0 mm	20.7 mm	526272

Drawings illustrate Nominal Proximal Internal Dimensions and Minimum Internal Diameter (I.D.), NOT TO SCALE.

0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25



INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

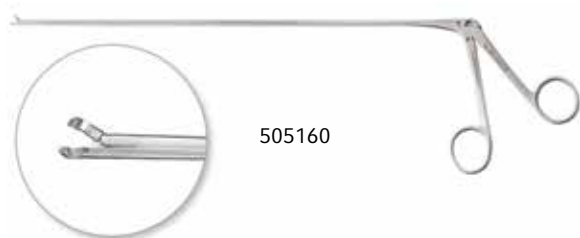


The Bronchial and Esophageal Instruments have been designed to meet the needs that may arise during the endoscopic surgical procedure. Biopsy forceps, grasping forceps, retrieval forceps, aspirating tubes and other related instruments have been designed specifically in length and diameter to be used with the appropriately sized Scope.



Biopsy Cup Forceps

EXTRA-LIGHTWEIGHT CONSTRUCTION FORCEPS



505160

Very light shafts with small cup biting jaws, straight or slightly angled.

CATALOG #	CUP DIAMETER	SHAPE	WORKING LENGTH	FOR USE THRU SCOPES
505160	2 mm	Straight	35 cm	4.0 mm or larger
505162	2 mm	Straight	40 cm	4.0 mm or larger
505166	2 mm	Angular	35 cm	4.0 mm or larger
505168	2 mm	Angular	40 cm	4.0 mm or larger

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Biopsy Cup Forceps



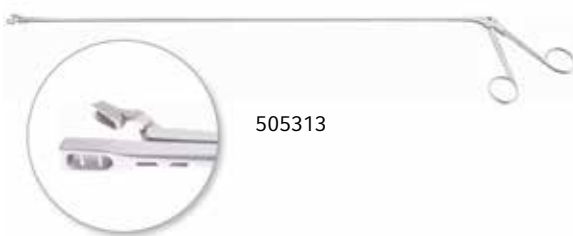
HOLINGER CUP BITING SPECIMEN FORCEPS



Cutting jaws with rounded tip and basket designed to prevent crushing of specimen. Cutting edges extend into box of instrument to permit clean, complete removal of specimen.

CATALOG #	CUP DIAMETER	SHAPE	WORKING LENGTH	FOR USE THRU SCOPES
505334	5 mm	Straight	60 cm	7.0 mm or larger

JACKSON SQUARE PUNCH SPECIMEN FORCEPS



Basket built into lower blade to hold excised tissue.

CATALOG #	CUP DIAMETER	SHAPE	WORKING LENGTH	FOR USE THRU SCOPES
505313	5 mm	Straight	45 cm	6.0 mm or larger

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Biopsy Cup Forceps



SAM ROBERTS CUP BIOPSY FORCEPS - MOST POPULAR



Roberts Forceps have jaws specially shaped and angled for use through bronchoscopes and esophagoscopes of definite sizes.

CATALOG #	CUP DIAMETER	SHAPE	WORKING LENGTH	FOR USE THRU STD. BRONCH	FOR USE THRU ESOPHAGOSCOPES
505113	2 mm	Straight	50 cm	4.5 mm	3.5 mm
505130	4 mm	Straight	40 cm	7.0 mm	7.0 mm
505132	4 mm	Straight	50 cm	7.0 mm	7.0 mm
505134	4 mm	Straight	60 cm	7.0 mm	7.0 mm
505136	6 mm	Straight	40 cm	9.0 mm	9.0 mm
505138	6 mm	Straight	50 cm	9.0 mm	9.0 mm
505140	6 mm	Straight	60 cm	9.0 mm	9.0 mm
505123	2 mm	Angular	50 cm	4.5 mm	3.5 mm
505142	4 mm	Angular	40 cm	8.0 mm	8.0 mm
505144	4 mm	Angular	50 cm	8.0 mm	8.0 mm
505146	4 mm	Angular	60 cm	8.0 mm	8.0 mm
505148	6 mm	Angular	40 cm	10.0 mm	10.0 mm
505150	6 mm	Angular	50 cm	10.0 mm	10.0 mm
505152	6 mm	Angular	60 cm	10.0 mm	10.0 mm



INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



JACKSON ALLIGATOR GRASPING FORCEPS - DOUBLE-ACTION



Double articulating jaws are finely serrated and grooved. For use through bronchoscopes or esophagoscopes.

CATALOG #	JAW WIDTH X LENGTH	WORKING LENGTH	FOR USE THRU SCOPES
505414	2.5 x 14 mm	50 cm	5.0 mm or larger
505415	2.5 x 14 mm	60 cm	5.0 mm or larger

JACKSON ALLIGATOR GRASPING FORCEPS - LIGHT CONSTRUCTION



Finely serrated tapered jaws. For use through bronchoscopes or esophagoscopes.

CATALOG #	JAW WIDTH X LENGTH	WORKING LENGTH	FOR USE THRU SCOPES
505420	1.5 x 17 mm	30 cm	5.0 mm or larger
505422	1.5 x 17 mm	40 cm	5.0 mm or larger

JACKSON ALLIGATOR GRASPING FORCEPS - EXTRA DELICATE



For use through infant laryngoscopes and 3.5 mm bronchoscopes.

CATALOG #	JAW WIDTH X LENGTH	WORKING LENGTH
505432	2.3 x 12 mm	30 cm
505433	2.3 x 12 mm	35 cm

JACKSON ALLIGATOR GRASPING FORCEPS - STANDARD



For use through bronchoscopes or esophagoscopes.

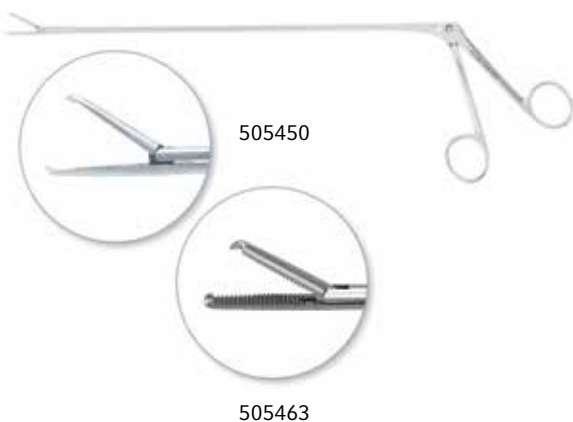
CATALOG #	JAW WIDTH X LENGTH	WORKING LENGTH	FOR USE THRU SCOPES
505400	4 x 23 mm	28 cm	6.0 mm or larger
505402	4 x 23 mm	35 cm	6.0 mm or larger
505403	4 x 23 mm	40 cm	6.0 mm or larger
505404	4 x 23 mm	50 cm	6.0 mm or larger
505406	4 x 23 mm	60 cm	6.0 mm or larger

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



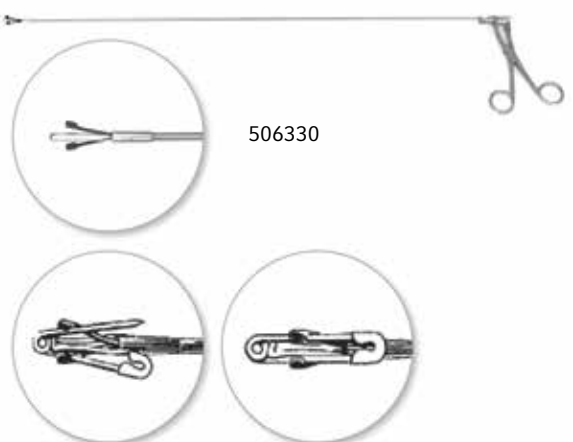
JACKSON ROTATION FORCEPS



Serrated jaws terminate in sharp teeth. Standard forceps are sturdily constructed with large, strong teeth for use through bronchoscopes and esophagoscopes. Delicate forceps feature light construction with small, sharp teeth. Stainless Steel.

CATALOG #	DESCRIPTION	JAW WIDTH X LENGTH	WORKING LENGTH	FOR USE THRU SCOPES
505462	Delicate light	2.4 x 10 mm	30 cm	3.5 mm or larger
505463	Delicate light	2.4 x 10 mm	35 cm	3.5 mm or larger
505450	Standard	4 x 20 mm	28 cm	3.5 mm or larger
505455	Standard	4 x 20 mm	50 cm	7.0 mm or larger
505456	Standard	4 x 20 mm	60 cm	7.0 mm or larger

CLERF-ARROWSMITH SAFETY PIN CLOSING FORCEPS



A notched brace pushes the loop of the pin away from the jaws which simultaneously grasps the limbs of the pin. This action results in approximation of the point and keeper.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506330	45 cm	5.0 mm or larger	7/8" - 1-1/2"
506331	50 cm	5.0 mm or larger	7/8" - 1-1/2"

GORDON BEAD GRASPING FORCEPS



The four-bladed grasping unit is designed to completely surround a slippery, hard-surfaced, smooth object such as an oval bead or ball-bearing.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506150	45 cm	5.0 mm or larger	Small
506152	50 cm	6.0 mm or larger	Large

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



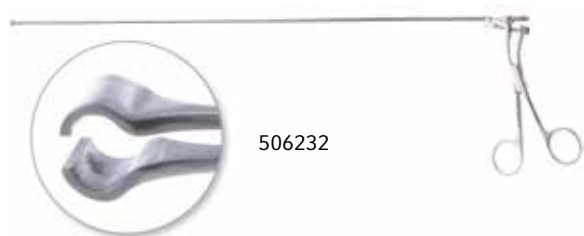
JACKSON DOUBLE PRONG GRASPING FORCEPS



Powerful, fenestrated, deeply serrated blades with distal points are especially valuable in grasping teeth and similar difficult objects.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506251	45 cm	5.0 mm or larger	Medium
506252	50 cm	5.0 mm or larger	Medium

JACKSON DULL-POINTED RING ROTATION FORCEPS



CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506220	35 cm	3.5 mm or larger	Extra-Small
506232	60 cm	5.0 mm or larger	Large

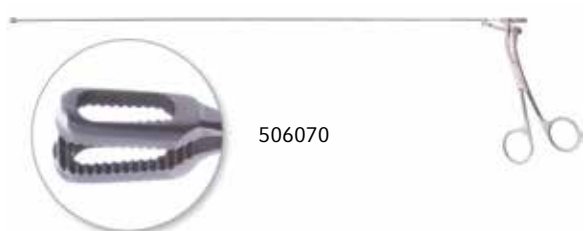
JACKSON FENESTRATED MEAT GRASPING FORCEPS



Large, deeply serrated blades.

CATALOG #	(MM) LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506075	50 cm	7.0 mm or larger	Large
506076	60 cm	7.0 mm or larger	Large

JACKSON FENESTRATED PEANUT GRASPING FORCEPS



Jaws considerably lighter and smaller than meat grasping forceps.

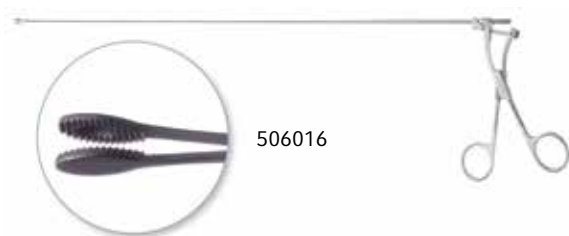
CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506060	35 cm	3.5 mm or larger	Extra-Small
506063	35 cm	4.0 mm or larger	Small
506070	60 cm	5.0 mm or larger	Medium

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



JACKSON FORWARD GRASPING CUP FORCEPS



These cannulated forceps are constructed entirely of stainless steel. The jaws are carefully shaped and set to provide a secure grip on the object to be removed. They are strong and durable and will sustain any degree of traction it is safe to exert. Serrated, cupped jaws in various sizes.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506000	35 cm	3.0 mm or larger	Extra-Small
506003	35 cm	4.0 mm or larger	Small
506004	40 cm	4.0 mm or larger	Small
506008	40 cm	4.0 mm or larger	Medium
506016	50 cm	5.0 mm or larger	Large
506017	60 cm	5.0 mm or larger	Large

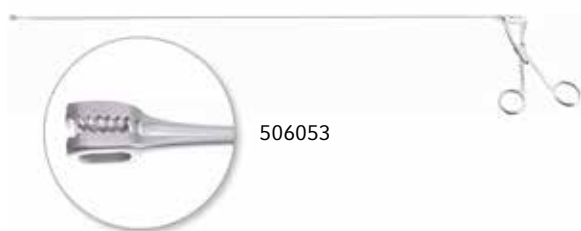
JACKSON FORCEPS PARTS KIT



Contains various sizes of screws and pivot pins for Jackson cannulated-style forceps.

CATALOG #	DESCRIPTION
508590	12 parts total

JESBERG FENESTRATED GRASPING FORCEPS



A multi-purpose forceps with fenestrated blades shaped to encircle an odd-shaped or globular object. Valuable as a forward grasping forceps for pebbles, beads, peanuts, meat, head presented tacks and nails. Light construction weight.

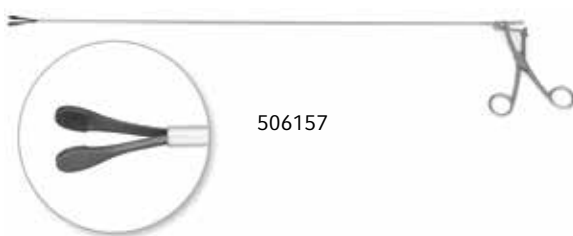
CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506053	50 cm	4.0 mm or larger	Light

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



TUCKER BEAD GRASPING FORCEPS



Forceps have stiff, expanding springs and jaws designed to grasp over and beyond the greatest circumference of the bead. Blades are concave and back-serrated at the tip for secure grasp.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	CONSTRUCTION WEIGHT
506155	40 cm	4.0 mm or larger	Small
506157	50 cm	5.0 mm or larger	Medium

KAHLER GRASPING FORCEPS



Jaws contain a series of teeth that provide a very secure grip on most foreign bodies.

CATALOG #	JAW WIDTH X LENGTH	WORKING LENGTH	FOR USE THRU SCOPES
505515	4 x 13 mm	60 cm	6.0 mm or larger

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Grasping Forceps



DELICATE CENTER-ACTION BRONCHOSCOPIC FORCEPS



The slender stem allows far greater visibility. Center-action handle and double-action jaws eliminate tendency of distal end to pull away from object and rise. Stem does not bend under pressure from handles. Stainless steel construction.

CATALOG #	DESCRIPTION	WORKING LENGTH	FOR USE THRU SCOPES
505005	Fenestrated, cupped grasping	38 cm	3.5 mm or larger
505010	Fenestrated, cupped grasping	38 cm	4.0 mm or larger
505014	Fenestrated, cupped grasping	50 cm	4.0 mm or larger
505016	Alligator grasping	38 cm	4.0 mm or larger
505018	Alligator grasping	45 cm	4.0 mm or larger
505020	Alligator grasping	50 cm	4.0 mm or larger
505022	Rotation, 1 x 2 teeth	38 cm	4.0 mm or larger
505028	Kahler grasping	38 cm	4.0 mm or larger
505030	Kahler grasping	45 cm	4.0 mm or larger
505032	Kahler grasping	50 cm	4.0 mm or larger
505046	Circular cup biopsy forceps	38 cm	5.0 mm or larger
505048	Circular cup biopsy forceps	45 cm	5.0 mm or larger
505050	Circular cup biopsy forceps	50 cm	5.0 mm or larger
505056	Oval cup biopsy forceps	50 cm	5.0 mm or larger

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Forceps for Pediatric and Laser Scopes



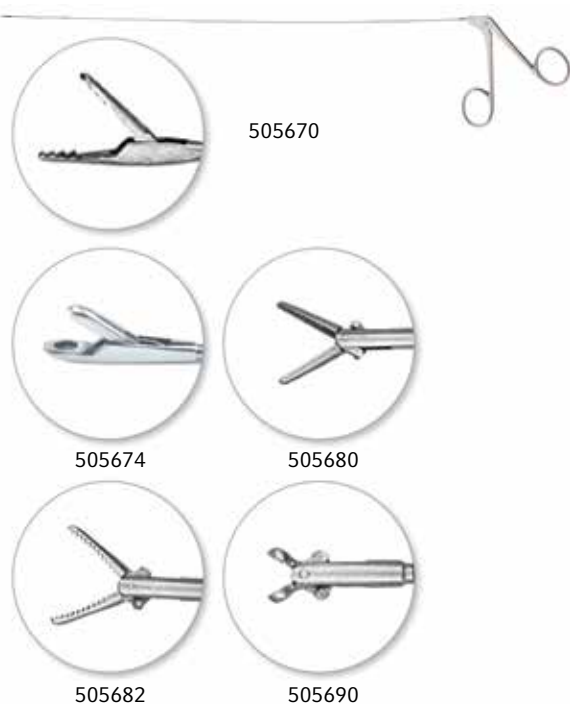
PEDIATRIC BRONCHOSCOPIC INSTRUMENTS



These miniature grasping and biopsy forceps and scissors with 2 mm stems have been designed to pass through the smaller pediatric bronchoscopes. The stems are slightly angled at the handle, affording unobstructed vision. Straight forward, 35 cm working length, will pass through a 3 mm or larger scope, 5 degree bend at handle.

CATALOG #	DESCRIPTION	SHAPE	WORKING LENGTH	FOR USE THRU SCOPES
505650	Grasping forceps	Straight forward	36 cm	3.0 mm or larger
505654	Biopsy forceps	Straight cup	36 cm	3.5 mm or larger
505662	Biopsy forceps	Oval cup	37 cm	3.5 mm or larger

FLEXIBLE ENDOSCOPIC FORCEPS



The Flexible Forceps were designed for use with Laser and Standard Bronchoscopes. They easily pass through the instrument/fiber channel for the purpose of biopsy, foreign body retrieval and removal of char from laser ablation. These forceps are available in 1 mm and 2 mm sizes.

CATALOG #	OVERALL LENGTH	DESCRIPTION	FOR USE THRU SCOPES
505670	36.5 cm	1 mm alligator grasping	3.5 x 20 4.0 x 25
505674	36.5 cm	1 mm oval cup biopsy	3.5 x 20 4.0 x 25
505680	40 cm	1.5 mm alligator grasping, flexible	5.0 x 30 6.0 x 35
505682	40 cm	2 mm fenestrated grasping, flexible	5.0 x 30 6.0 x 35
505686	50 cm	2 mm alligator grasping, flexible	7.0 x 40 8.0 x 40 9.0 x 40
505690	50 cm	2 mm circular cup biopsy	7.0 x 40 8.0 x 40 9.0 x 40

INSTRUMENTATION FOR BRONCHOSCOPES AND ESOPHAGOSCOPES

Suction Tubes



HOLINGER ASPIRATING TUBES

Holinger Tubes have an open distal tip as well as two opposing side openings. This allows for complete, rapid aspiration without clogging. These tubes are available in a standard model without thumb-valve and the thumb-valve control model.

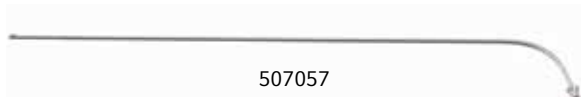
Standard Model

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	TUBE DIAMETER
507050	45 cm	5.0 mm or larger	4 mm (12 Fr.)
507051	50 cm	5.0 mm or larger	4 mm (12 Fr.)
507052	60 cm	5.0 mm or larger	4 mm (12 Fr.)
507055	25 cm	4.0 mm or larger	3 mm (9 Fr.)
507057	35 cm	4.0 mm or larger	3 mm (9 Fr.)

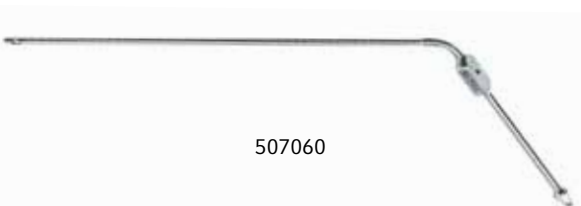
Thumb Valve Control Model

CATALOG #	WORKING LENGTH	TUBE DIAMETER
507060	20 cm	3 mm (9 Fr.)
507065	35 cm	4 mm (12 Fr.)

For use through infant laryngoscopes for tracheal aspiration.



507057

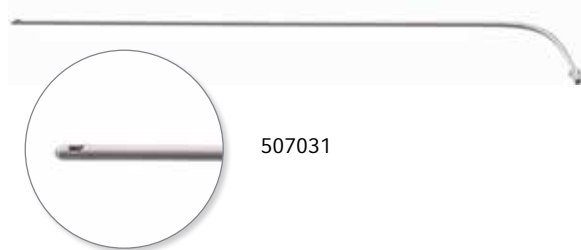


507060

JACKSON "VELVET-EYE" ASPIRATING TUBES

These tubes have a smooth, oval-shaped opening on each side of the distal tip and a closed, blunt end.

CATALOG #	WORKING LENGTH	FOR USE THRU SCOPES	TUBE DIAMETER
507030	20 cm	5.0 mm or larger	4 mm (12 Fr.)
507031	35 cm	5.0 mm or larger	4 mm (12 Fr.)
507032	40 cm	5.0 mm or larger	4 mm (12 Fr.)
507033	45 cm	5.0 mm or larger	4 mm (12 Fr.)
507034	50 cm	5.0 mm or larger	4 mm (12 Fr.)
507035	60 cm	5.0 mm or larger	4 mm (12 Fr.)
507040	35 cm	4.0 mm or larger	3 mm (9 Fr.)
507041	40 cm	4.0 mm or larger	4 mm (12 Fr.)



507031

FIBER OPTIC CABLES (END ADAPTERS)



ROTATING ENDFITTING REPLACEMENT TIP



50613AC

CATALOG #	DESCRIPTION
50613AC	Rotating Endfitting Replacement tip for Single Cables with catalog numbers ending in "PRA" (formerly 521166)

FIBER OPTIC INSTRUMENT CABLE END ADAPTERS



50614AC



50615AC

These adapters are to be used with standard Fiber Optic Cables P358PRA or P356PRA.

CATALOG #	DESCRIPTION
50614AC	to ACMI, adapts to Single Cables with catalog numbers ending in "PRA" (formerly 521165) to have an ACMI illuminator end
50615AC	adapts to Single Cables with catalog numbers ending in "PRA" (formerly 521170) to have a Wolf illuminator end

ACMI ILLUMINATOR END ADAPTER FOR TYPE II CABLES



50616AC

This adapter attaches to fiber optic cables with a larger End Fitting on one end and a light carrier permanently attached to the cable on the other end.

CATALOG #	DESCRIPTION
50616AC	Adapts to the following: 527850 Light Carrier Cable for Improved Tucker Mediastinoscope, long (522311) 527853 Light Carrier Cable for Improved Tucker Mediastinoscope, short (522306) 527860 Light Carrier Cable for Ossoff Adult Subglottoscopes (522244, 522245) 527862 Light Carrier Cable for Ossoff-Karlan-Dedo Laser Micro-Laryngoscope, adol (522238) 527863 Light Carrier Cable for Ossoff-Karlan-Dedo Laser Micro-Laryngoscope, child (522237)

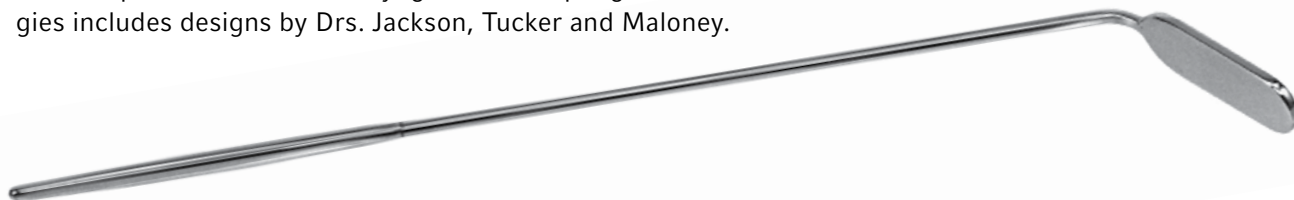
BOUGIES/DILATORS

Esophageal Bougies



BOUGIES/DILATORS

The comprehensive line of Laryngeal and Esophageal Dilators and Bougies includes designs by Drs. Jackson, Tucker and Maloney.



MALONEY-STYLE & HURST-STYLE BOUGIES (MADE OF SILICONE, MERCURY FREE)

The advantages of our exclusive new esophageal bougies start with what they don't have. Namely, mercury. Mercury is toxic and requires special handling and waste disposal procedures. But our patented tungsten gel-filling is completely nontoxic.

What's more, these bougies can be sterilized via steam; unlike mercury-filled bougies, they won't rupture during steam.

In addition, the silicone casing is non-slip when dry and slippery when wet. So it gives you a good grip, yet allows for easier, less traumatic insertion.

- Patented tungsten gel-filling is completely nontoxic, making it safer for patients and staff, with far less cost of disposal.
- Calibration marks, along with radio-opaque material in the flexible tip of the Maloney style, make it easy to determine the exact depth of insertion.
- Date stamp and three-year guarantee.

HURST TUNGSTEN-FILLED ESOPHAGEAL BOUGIES



507606

These tungsten-filled bougies have rounded distal tips. The closure on the proximal end is drilled through from side-to-side so a finger cord may be used. 29-1/2" (75 cm) approximate overall length.

CATALOG #	DESCRIPTION
507595	20 Fr.
507596	22 Fr.
507597	24 Fr.
507598	26 Fr.
507599	28 Fr.
507600	30 Fr.
507601	32 Fr.
507602	34 Fr.
507603	36 Fr.
507604	38 Fr.
507605	40 Fr.

CATALOG #	DESCRIPTION
507606	42 Fr.
507607	44 Fr.
507608	46 Fr.
507609	48 Fr.
507610	50 Fr.
507611	52 Fr.
507612	54 Fr.
507613	56 Fr.
507614	58 Fr.
507615	60 Fr.

BOUGIES/DILATORS

Esophageal Bougies



MALONEY TAPERED TUNGSTEN-FILLED ESOPHAGEAL BOUGIES



507942

This tungsten-filled bougie provides a single style of dilator for treating cardiospasm, esophagitis, stenosis and other esophageal diseases. The small, flexible tip is easily introduced through the cricopharynx area, cardioesophageal junction or stenosis. Once the tip is through the involved area, the tapered end allows the single bougie to dilate this portion of the esophagus to its maximum limit. Overall length is approximately 29-1/2" (75 cm).

CATALOG #	DESCRIPTION
507920	20 Fr.
507922	22 Fr.
507924	24 Fr.
507926	26 Fr.
507928	28 Fr.
507930	30 Fr.
507932	32 Fr.
507934	34 Fr.
507936	36 Fr.
507938	38 Fr.
507940	40 Fr.

CATALOG #	DESCRIPTION
507942	42 Fr.
507944	44 Fr.
507946	46 Fr.
507948	48 Fr.
507950	50 Fr.
507952	52 Fr.
507954	54 Fr.
507956	56 Fr.
507958	58 Fr.
507960	60 Fr.

BOUGIE TRAY



508000

Stainless steel. Separately holds 12 individual bougies (Maloney or Hurst). Two tiers with upper tier have hinged handle, perforated trays and lid. Holding pins hold bougie cap to keep bougie straight and in corrugated channels.

CATALOG #	DESCRIPTION
508000	31-5/8" x 11" (80.5 x 28 cm)

BOUGIES/DILATORS

Esophageal Dilators



JACKSON ESOPHAGEAL DILATORS



507820

The Jackson Esophageal Dilator has proved popular and effective among surgeons. Now available in a durable silicone material. This configuration is the safest of all forms of dilators because of the thin, flexible stem that enables accurate ocular guidance of the dilator into the lumen of the stricture. A small size (12 Fr.) is often useful to make sure of a lumen ahead at the cricopharyngeal and hiatal levels during esophagoscopy as well as in cases of stenosis. The steel stem also permits the use of the tiniest filiform sizes. Overall length ranges from 25" (63.5 cm) for the 8 - 12 Fr. to 26-1/2" (67.5 cm) for the 20 - 42 Fr.

CATALOG #	DESCRIPTION
507807	Dilator Set, includes one of each size listed, 19 dilators, 8 Fr. - 42 Fr.
507808	8 Fr.
507809	9 Fr.
507810	10 Fr.
507812	12 Fr.
507814	14 Fr.
507816	16 Fr.
507818	18 Fr.
507820	20 Fr.
507822	22 Fr.
507824	24 Fr.
507826	26 Fr.
507828	28 Fr.
507830	30 Fr.
507832	32 Fr.
507834	34 Fr.
507836	36 Fr.
507838	38 Fr.
507840	40 Fr.
507842	42 Fr.

TUCKER LUMEN FINDERS



507876

Short, flexible, soft rubber tip affixed to 25-1/2" (65 cm) stem with removable handle extension. 30-3/4" (78 cm) overall length.

CATALOG #	DESCRIPTION
507875	14 Fr.
507876	16 Fr.
507877	18 Fr.



BOUGIES/DILATORS

Laryngeal Dilators



JACKSON LARYNGEAL DILATORS



Rigid metallic dilators for direct laryngoscopic treatment of laryngeal stenosis. Eighteen graduated sizes for consecutive use, corresponding approximately to the French sizes listed below. Sizes 10-14 Fr. have a round end; sizes 16-44 Fr. have a triangular-shaped end. 11-3/4" (30 cm) length from tip to angle.

CATALOG #	DESCRIPTION
507500	10 Fr.
507501	12 Fr.
507502	14 Fr.
507503	16 Fr.
507504	18 Fr.
507505	20 Fr.
507506	22 Fr.
507507	24 Fr.
507508	26 Fr.
507509	28 Fr.
507510	30 Fr.
507511	32 Fr.
507512	34 Fr.
507513	36 Fr.
507514	38 Fr.
507515	40 Fr.
507516	42 Fr.
507517	44 Fr.

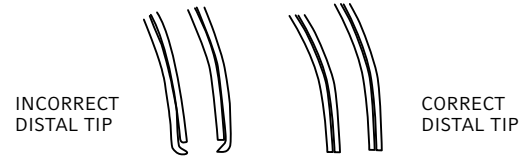
TRACHEOSTOMY AND LARYNGECTOMY TUBES

Tracheostomy and Laryngectomy Tubes are known for their innovation in the sterling silver and stainless steel products. Choose from the largest variety of tube available in standard sizes. In addition, special models and cuts are made to order. Insertion Instruments, Speaking Valves and Decannulation Stoppers are also available.

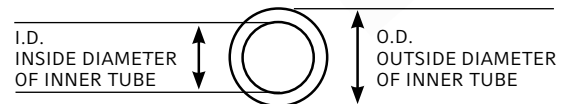
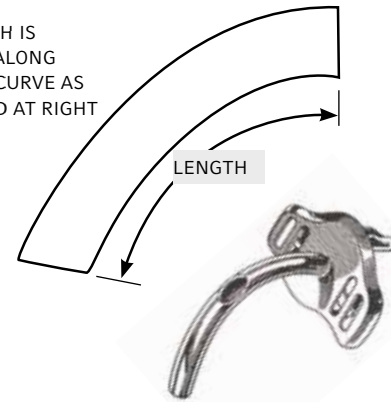


Sterling silver and stainless steel trachea tube care and cleaning warning:

Do not soak, wash or expose the tubes to peroxide or enzyme cleaners, or sodium hydroxide. These chemical agents will cause the silver tubes to discolor, stain, tarnish and weaken the solder connection joints. These chemical agents will cause stainless steel to pit and stain.



TUBE LENGTH IS MEASURED ALONG THE INSIDE CURVE AS ILLUSTRATED AT RIGHT



TRACHEOSTOMY AND LARYNGECTOMY TUBES

Specifications from the tube designer are rigidly followed. Locking mechanisms are well designed and operate properly.

The inner and outer tubes fit closely to provide maximum airway. The distal edge of the inner tube is flush with, and fits very closely to, that of the outer tube to allow for correct and complete cleaning.

Stainless steel and sterling silver are used in the construction of Tubes. Plating is not used because it wears off due to galvanic action between the plating and the base metal.

Tubes are offered in the largest variety available from any single source; special models and sizes are available.

FENESTRATED TRACHEOSTOMY TUBES

Any Tracheostomy Tube may be fenestrated upon request. The standard fenestration is located at a point, measured from the neck plate, equal to one-third of the length of the tube. Special fenestrated tubes can be made to order. The size and position of special fenestrations must be specified by the prescribing physician.

TRACHEOSTOMY AND LARYNGECTOMY TUBE DIMENSIONS

The dimensions of Tracheostomy and Laryngectomy Tubes are given in a numerical size, an outside tube diameter and an inside tube diameter. The outside diameter (O.D.) is the mm diameter of the outer tube, while the inside diameter (I.D.) is the mm diameter of the inner tube distal end.

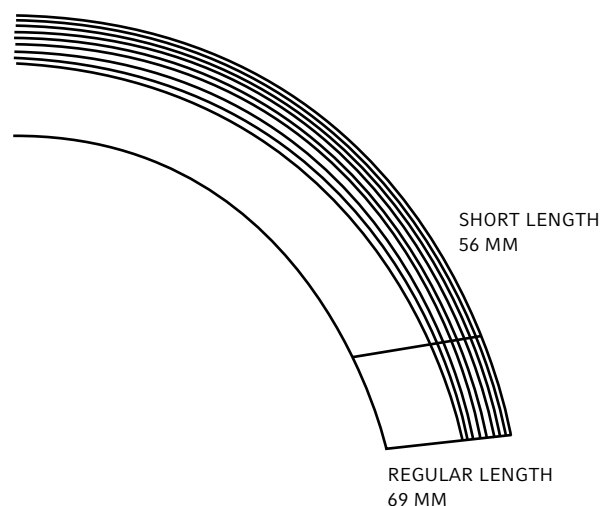
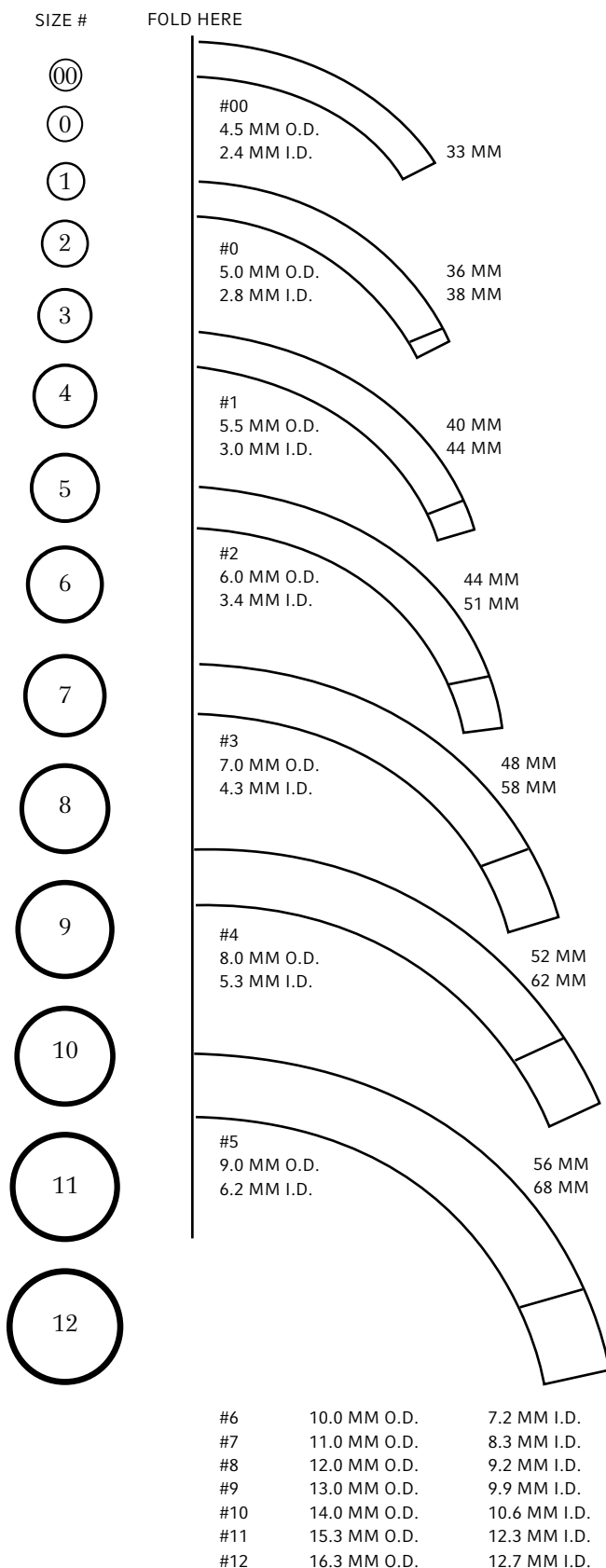
JACKSON TRACHEOSTOMY TUBES



Stainless steel. Sterling silver.

SIZE AND SHAPE SPECIFICATIONS

To measure a tube, fold page on line where indicated and lay the tube on the outline with plate over the page edge. Dimensions shown are tube diameter in mm and Fr. size, and the length in mm around the inside curve. The shorter of the length indicated (48 mm on #3) applies to Jackson Short Length Tubes. The longer size (58 mm on #3) applies to Jackson Regular Length Tubes. The shape diagrams are quite accurate and are shown to aid in ordering special length tubes as well as standard lengths.



TRACHEOSTOMY TUBES

Jackson Improved Design



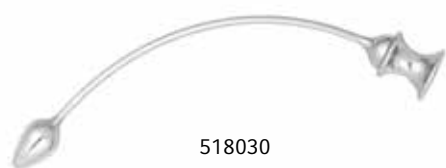
JACKSON IMPROVED TRACHEOSTOMY TUBES - REGULAR LENGTH



Stainless steel. The improved model with a rotating lock provides quick, easy removal of the inner tube. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518010	1	5.5	3.0	44.0
518015	2	6.0	3.4	51.0
518020	3	7.0	4.3	58.0
518025	4	8.0	5.5	62.0
518029*	4	8.0	5.5	62.0
518030	5	9.0	6.2	68.0
518034*	5	9.0	6.2	68.0
518035	6	10.0	7.2	69.0
518039*	6	10.0	7.2	69.0
518040	7	11.0	8.1	69.0
518044*	7	11.0	8.1	69.0
518045	8	12.0	9.2	69.0
518049*	8	12.0	9.2	69.0
518050	9	13.0	9.9	69.0
518055	10	14.0	10.6	69.0

* These Jackson Tubes are fenestrated to facilitate speech. The fenestration is located at a point measured from the neckplate equal to 1/3 of the length of the tube on both the inner and outer tubes.



518030



* Fenestrated Jackson Tube

TRACHEOSTOMY TUBES

Jackson Improved Design



JACKSON EXTRA-LONG TRACHEOSTOMY TUBES WITH ROTATING LOCK



Stainless steel. The Jackson Extra-Long Tracheostomy Tubes are 16 mm longer than standard Jackson tubes. They are made in sizes 5 through 9 only in stainless steel. Size and shape may be chosen using the Jackson Tracheostomy Tubes diagram located at the beginning of this section. The length of the outer arc is 16 mm longer than the regular length. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518900	5	9.0	6.2	84.0
518902	6	10.0	7.2	85.0
518904	7	11.0	8.3	85.0
518906	8	12.0	9.2	85.0
518908	9	13.0	9.9	85.0

TRACHEOSTOMY TUBES

Jackson Improved Design



JACKSON IMPROVED TRACHEOSTOMY TUBES - SHORT LENGTH

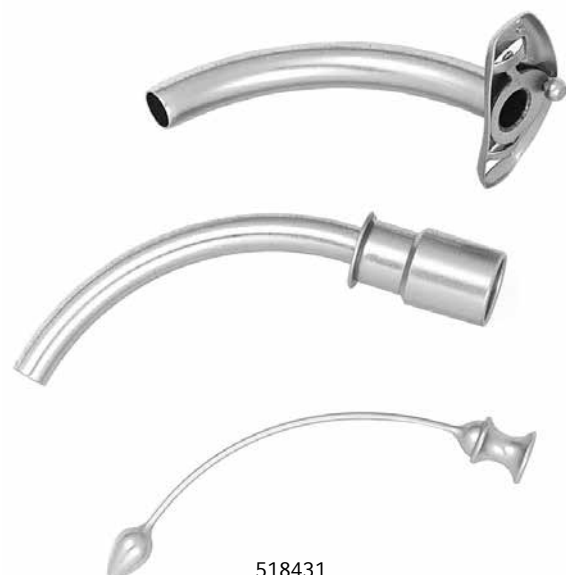


518225

Stainless steel. These tubes follow the regular Jackson curve and supply the need for tubes of lengths between the regular Jackson and the short Luer Tube. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518215	3	7.0	4.3	48.0
518220	4	8.0	5.5	52.0
518225	5	9.0	6.2	56.0
518230	6	10.0	7.2	56.0
518235	7	11.0	8.1	56.0
518240	8	12.0	9.2	56.0
518245	9	13.0	9.9	56.0
518250	10	14.0	10.6	56.0

JACKSON IMPROVED TRACHEOSTOMY TUBES WITH 15 MM ADAPTER - REGULAR LENGTH



518431

Stainless steel. For use with positive pressure and anesthesia units. Adapters are permanently attached and not available as parts. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518426	4	8.0	5.5	63.0
518431	5	9.0	6.2	69.0
518436	6	10.0	7.2	70.0
518441	7	11.0	8.1	70.0
518446	8	12.0	9.2	70.0
518456	10	14.0	10.6	70.0

TRACHEOSTOMY TUBES

Jackson Improved Design



JACKSON IMPROVED TRACHEOSTOMY TUBES WITH 15 MM ADAPTER - SHORT LENGTH



Stainless steel. For use with positive pressure and anesthesia units. Adapters are permanently attached and not available as parts. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518620	4	8.0	5.5	52.0
518625	5	9.0	6.2	56.0
518630	6	10.0	7.2	56.0
518635	7	11.0	8.1	56.0
518640	8	12.0	9.2	56.0

JACKSON IMPROVED TRACHEOSTOMY TUBES MADE IN STERLING SILVER



Sterling silver. An improved model with a rotating lock to provide quick and easy removal of the inner tube. The unobstructed surface of the neckplate eliminates snagging of gauze wipes, and lessened bulk can be more easily hidden beneath patients' clothing. The inert properties of sterling silver construction reduce the allergic reaction to stainless steel. A set consists of an outer tube, inner tube and obturator. These sterling silver Jackson tubes may be used with Tucker Valved Inner Tubes.

CATALOG #	DESCRIPTION	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
511125	Jackson Rotating Lock #4, inner and outer tubes, obturator	4	8.0	5.3	62.0
511130P	Jackson Rotating Lock #5, inner and outer tubes, obturator	5	9.0	6.1	68.0
511134P	Tucker Valve inner tube only to fit #5 Jackson Improved Tube	5	-	6.1	71.0
511135P	Jackson Rotating Lock #6, inner and outer tubes, obturator	6	10.0	7.1	69.0
511139P	Tucker Valve inner tube only to fit #6 Jackson Improved Tube	6	-	7.1	72.0
511140	Jackson Rotating Lock #7, inner and outer tubes, obturator	7	11.0	8.1	69.0
511144	Tucker Valve inner tube only to fit #7 Jackson Improved Tube	7	-	8.1	72.0
511145P	Jackson Rotating Lock #8, inner and outer tubes, obturator	8	12.0	9.1	69.0
511149	Tucker Valve inner tube only to fit #8 Jackson Improved Tube	8	-	9.1	72.0

TRACHEOSTOMY TUBES

Jackson Improved Design – Shikani Valve Compatible



JACKSON IMPROVED STYLE TRACHEA TUBES FOR USE WITH SHIKANI SPEAKING VALVE



Shikani French Speaking Valve shown attached to Jackson Trachea Tube.

Product codes with an "A" on the end are designed to accept the Shikani-French Speaking Valve. Complete tube consists of inner tube, outer tube and obturator (pictured: outer tube with inner tube insert, obturator). Valve sold separately.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518025A	4	8.0	5.5	62.0
518029A*	4	8.0	5.5	62.0
518030A	5	9.0	6.2	68.0
518034A*	5	9.0	6.2	68.0
518035A	6	10.0	7.2	69.0
518039A*	6	10.0	7.2	69.0
518040A	7	11.0	8.1	69.0

** These Jackson tubes are fenestrated to facilitate speech. The fenestration is located at a point measured from the neckplate equal to 1/3 of the length of the tube on both the inner and outer tubes.*



* Fenestrated Jackson Tube

TRACHEOSTOMY TUBES

Jackson Improved Design – Shikani Valve Compatible



SHIKANI-FRENCH SPEAKING VALVE AND INNER TUBE COMBINATION



518027

Patients using standard Jackson Trachea Tubes can now realize the benefits provided by the Shikani-French Speaking Valve. By replacing the inner trachea tube with one of the tubes listed below, patients can attach the snap-on Shikani Valve. Each inner tube is provided with two speaking valves.

IF YOU ARE USING THIS STANDARD JACKSON TRACHEA TUBE ...		NON-FENESTRATED JACKSON IMPROVED INNER TUBE ONLY WITH 2 SHIKANI VALVES	SIZE	(MM) I.D.	(MM) LENGTH
518025	ORDER	518027	4	5.5	62.0
518030	ORDER	518032	5	6.2	71.0
518035	ORDER	518037	6	7.2	72.0
518040	ORDER	518042	7	8.1	72.0

SHIKANI-FRENCH TRACHEOSTOMY SPEAKING VALVE



518085

A lower airway resistance speaking valve, the Shikani-French Speaking Valve attaches to the standard 15 mm hubs found on plastic and metal tracheostomy tubes. Certain patients may benefit from this unique ball valve design which provides less resistance to airflow at very low flow rates when compared to the membrane valves used on other brands of tracheostomy speaking tubes. The Shikani-French Speaking Valve requires less effort to move air through the valve at low inspiration pressures. Competitive valves are normally in a closed position and require greater inspiratory pressures to initially open the valve and allow airflow. An additional advantage of the Shikani-French Speaking Valve is its low profile, which makes it easy to conceal under clothing.

CATALOG #	DESCRIPTION
518085	Shikani-French Speaking Valve for use with Jackson Improved Stainless Steel Tracheostomy Tubes (package of 2)

TRACHEOSTOMY TUBES

Jackson Original Design



JACKSON ORIGINAL TRACHEOSTOMY TUBES - REGULAR LENGTH



518120

* Fenestrated Jackson Tube

Stainless steel. These tubes have the neck plate of the original Jackson design with a small swivel lock holding the inner tube in place. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518100	00	4.5	2.4	33.0
518115	2	6.0	3.4	51.0
518120	3	7.0	4.3	58.0
518125	4	8.0	5.5	62.0
518129*	4	8.0	5.5	62.0
518130	5	9.0	6.2	68.0
518134*	5	9.0	6.2	68.0
518135	6	10.0	7.2	69.0
518139*	6	10.0	7.2	69.0
518140	7	11.0	8.1	69.0
518144*	7	11.0	8.1	69.0
518145	8	12.0	9.2	69.0
518149*	8	12.0	9.2	69.0
518150	9	13.0	9.9	69.0
518155	10	14.0	10.6	69.0

* These Jackson tubes are fenestrated to facilitate speech. The fenestration is located at a point measured from the neckplate equal to 1/3 of the length of the tube on both the inner and outer tubes.

JACKSON ORIGINAL TRACHEOSTOMY TUBES - SHORT LENGTH



518315

These tubes follow the original Jackson curve and supply the need for tubes of lengths between regular Jackson and the short Luer tube. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518315	3	7.0	4.3	48.0
518320	4	8.0	5.5	52.0
518325	5	9.0	6.2	56.0
518330	6	10.0	7.2	56.0
518335	7	11.0	8.1	56.0
518340	8	12.0	9.2	56.0

TRACHEOSTOMY TUBES

Jackson Original Design



JACKSON ORIGINAL TRACHEOSTOMY TUBES WITH 15 MM ADAPTER - REGULAR LENGTH



Stainless steel. For use with positive pressure and anesthesia units. Adapters are permanently attached and not available as parts. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518521	3	7.0	4.3	58.0
518526	4	8.0	5.5	62.0
518531	5	9.0	6.2	68.0
518536	6	10.0	7.2	69.0
518541	7	11.0	8.1	69.0
518546	8	12.0	9.2	69.0
518556	10	14.0	10.6	69.0

JACKSON ORIGINAL TRACHEOSTOMY TUBES WITH 15 MM ADAPTER - SHORT LENGTH



Stainless steel. For use with positive pressure and anesthesia units. Adapters are permanently attached and not available as parts. A set consists of an outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
518720	4	8.0	5.5	52.0
518730	6	10.0	7.2	56.0

TRACHEOSTOMY TUBES

Tucker Design



TUCKER TRACHEA TUBES AND VALVES



511734

Tucker Tracheostomy Tubes

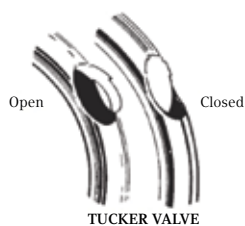
Sterling silver. Acutely curved to a full 90 degree arc. The neckplate, with small swivel lock, is of a distinctive design for identification purposes. A set consists of an outer tube, inner tube and obturator. Tucker-valved inner tubes (see below) are accessories.



511735

Tucker Speaker Valve

The Tucker Valve is built into an inner tube and allows for normal speech without covering the tube with a finger. The valve opens on inhalation through the tube. On exhalation, the valve leaflet closes, forcing air up through the upper airway. Tucker-valved inner tubes are available for regular length Jackson and Tucker Tubes as a standard item in sizes 4 through 9 in Tucker Tubes, and 4 through 8 in Jackson Tubes. Other sizes and styles are made on special order. The Tucker Valve is for use with sterling silver tubes only. Tucker Valve Inner Tubes are not supplied as part of the regular trachea tube and must be ordered separately. An obturator is supplied with the inner and outer tube sets.



TUCKER VALVE

CATALOG #	DESCRIPTION	(MM) O.D.	(MM) I.D.	(MM) LENGTH
511725	Size 4, inner and outer tubes, obturator	8.0	5.3	55.0
511729	Tucker valve inner tube to fit #4 Tucker tube	-	5.3	58.0
511730	Size 5, inner and outer tubes, obturator	9.0	6.1	60.0
511734	Tucker valve inner tube to fit #5 Tucker tube	-	6.1	63.0
511735	Size 6, inner and outer tubes, obturator	10.0	7.2	60.0
511739	Tucker valve inner tube to fit #6 Tucker tube	-	7.2	63.0
511740	Size 7, inner and outer tubes, obturator	11.0	8.1	60.0
511744	Tucker Valve Inner Tube to fit #7 Tucker Tube	-	8.1	63.0
511745	Size 8, inner and outer tubes, obturator	12.0	9.1	60.0
511749	Tucker Valve Inner Tube to fit #8 Tucker Tube	-	9.1	63.0

TRACHEOSTOMY TUBES

Mayo Design



MAYO CLINIC TUBE

The Mayo Clinic Tube has a Holinger-Style Neckplate on a Jackson Stainless Steel tube.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
511930	5	9.0	6.2	56.0
511940	6	10.0	7.2	56.0
511945	6	10.0	7.2	69.0
511955	7	11.0	8.1	69.0



Holinger Design

HOLINGER TRACHEOSTOMY TUBE

Sterling silver. The tube is attached to the plate-shield at an acute downward angle of 65 degrees rather than the usual 90 degree tube-to-plate alignment. The dimensions of the neckplate are in proportion to the tube size. Corners are rounded; there are no rough projections. Funnel-shaped opening provides for easy insertion of aspirating catheters. A set consists of an outer tube, inner tube and obturator. Available in size 6. Additional sizes available by special order.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
512205	6	10.0	7.1	63.0

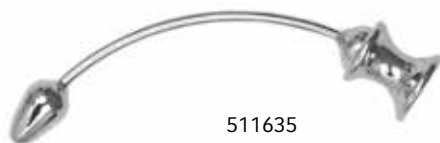


TRACHEOSTOMY TUBES

Luer Design



LUER TRACHEOSTOMY TUBE



511635

Sterling silver. This short model tube is more acutely curved than Jackson types and has the original style neckplate. A set consists of an outer tube, inner tube and obturator. All are 42 mm long. Available in size 6. Additional sizes available by special order.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
511635	6	10.0	7.1	42.0



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TRACHEOSTOMY TUBES

Laryngectomy Style Tubes



HOLINGER LARYNGECTOMY TUBES



516270

Sterling silver. The cannula is attached to the plate at an acute downward angle of approximately 65 degrees. The shield is shaped carefully to be flat and with no projections to catch gauze. Rotating lock mechanism. A set consists of outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
516270	7	12.0	9.0	50.0
516275	8	13.6	10.0	50.0
516280	9	14.0	10.6	50.0
516285	10	14.3	11.2	50.0

JACKSON LARYNGECTOMY TUBES



519005

Stainless steel. These tubes have the standard Jackson curve with an improved neckplate. The rotating lock provides a protrusion-free surface for ease in wiping. Flattened shape allows neckplate to be hidden more easily beneath clothing. A set consists of outer tube, inner tube and obturator.

CATALOG #	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
519000	6	10.0	7.2	55.0
519005	7	12.0	9.1	55.0
519010	8	13.6	10.0	55.0
519015	9	14.0	10.7	55.0
519020	10	14.5	11.1	55.0
519025	11	15.4	12.3	55.0
519030	12	16.4	12.7	55.0

TRACHEOSTOMY TUBES

Laryngectomy Style Tubes



MARTIN LARYNGECTOMY TUBES - REGULAR AND EXTENSION



516390

Sterling silver. The Martin Cannula is short length and is attached to the neckplate shield at an acute downward angle. These tubes are available as a regular set consisting of outer tube, inner tube, and obturator. Martin Tubes are also available with the dressing extension cannula, a 2.5 mm extension projecting proximally to extend out past thick, bulky dressings. The Martin Extension set consists of outer tube, standard inner tube, special extension inner tube and obturator.

Regular Sets

COMPLETE TUBE	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
516390	10	14.0	10.6	43.0
516400	12	16.3	12.7	43.0

Extension Set

COMPLETE TUBE	SIZE	(MM) O.D.	(MM) I.D.	(MM) LENGTH
516430	6	16.3	12.7	43.0

TRACHEOSTOMY TUBES

Tracheal Dilators



JACKSON-TROUSSEAU TRACHEAL DILATORS



514376

2-blade design.

CATALOG #	DESCRIPTION
514375	Infant, tip width 4.0 mm, tip length 25.5 mm, 5-1/2" (14 cm)
514376	Child, tip width 4.4 mm, tip length 17.5 mm, 5-1/2" (14 cm)
514377	Adult, tip width 5.2 mm, tip length 25.5 mm, 5-1/2" (14 cm)

LABORDE TRACHEAL DILATOR



514380

3-blade design.

CATALOG #	DESCRIPTION
514380	5-1/2" (14 cm)

TRACHEOSTOMY TUBES

Miscellaneous



NEWS TRACHEA RETRACTOR



CATALOG #	DESCRIPTION
070114	Sharp, 10 mm hook, 5-7/8" (15 cm)

LUKENS THYMUS RETRACTOR



CATALOG #	DESCRIPTION
514412	Blade 3/8" wide x 1/4" deep (9 x 6 mm), Overall length 6-7/8" (17.5 cm)

JACKSON TRACHEAL TENACULUM



CATALOG #	DESCRIPTION
514413	Hook depth 1/4" (0.5 cm), 5-1/4" (13.5 cm)

JACKSON TRACHEAL RETRACTOR, DOUBLE-ENDED



Satin finish.

CATALOG #	DESCRIPTION
514414	Double-pronged, 1" wide x 1/4" deep (2.5 cm x 0.5 cm) blade, 6-7/8" (17.5 cm)

TRACHEOSTOMY TUBES

Miscellaneous



JACKSON TRACHEA RETRACTOR



070116

Pattern, bright finish.

CATALOG #	DESCRIPTION
070116	2 prongs, 7" (18 cm)

BERNAY FINGER RAKE TRACHEAL RETRACTORS



514433

514438

CATALOG #	DESCRIPTION
514430	1 prong, sharp, 6-5/8" (17 cm)
514431	2 prongs, sharp, 6-5/8" (17 cm)
514433	3 prongs, sharp, 6-5/8" (17 cm)
514435	1 prong, blunt, 6-5/8" (17 cm)
514436	2 prongs, blunt, 6-5/8" (17 cm)
514437	3 prongs, blunt, 6-5/8" (17 cm)
514438	4 prongs, blunt, 6-5/8" (17 cm)



TRACHEOSTOMY TUBES

Cleaning Brushes



HOLMAN TRACHEA TUBE BRUSHES



508545

For loosening hardened secretions not freed by washing.

CATALOG #	DESCRIPTION
508545	Set of three: small, medium, large
508546	Trachea tube brush, small 6.5 mm x 14.5 cm
508547	Trachea tube brush, medium 8 mm x 15 cm
508548	Trachea tube brush, large 9 mm x 20 cm

HOLMAN SCOPE BRUSHES - FOR BRONCHOSCOPES AND ESOPHAGOSCOPES



508540

For loosening hardened secretions not freed by washing.

CATALOG #	DESCRIPTION
508540	Set of three: small, medium, large
508541	Brush for large scopes, 15 mm x 62 cm
508542	Brush for medium scopes, 11 mm x 56 cm
508543	Brush for small scopes, 9 mm x 49 cm
508544	Special extra small brush for infant scopes, 6 mm x 46 cm

EAR INSTRUMENTS

Curettes



BILLEAU EAR LOOPS



411231

CATALOG #	DESCRIPTION
411230	Small, #1, 6-1/2" (16.5 cm)
411231	Medium, #2, 6-1/2" (16.5 cm)
411232	Large, #3, 6-5/8" (17 cm)

BUCK EAR CURETTES



411202

Blunt, 6-1/2" (16.5 cm).

CATALOG #	DESCRIPTION
411200	Size 00
411201	Size 0
411202	Size 1
411203	Size 2
411204	Size 3

DAY EAR HOOK



411241

CATALOG #	DESCRIPTION
411241	Small, #2, 6-3/4" (17 cm)

EAR INSTRUMENTS

Curettes



HOUSE CURETTES



7" (17.7 cm), Blade A 1.8 mm, Blade B 1.5 mm.

CATALOG #	DESCRIPTION
020300	Strongly angled
020302	Lightly angled

Elevators

HOUSE RETRACTOR



Double-ended.

CATALOG #	DESCRIPTION
029350	Blade A 20 x 7 mm, blade B 24 x 9.5 mm, 6" (15 cm)

Forceps

ALLIGATOR FORCEPS



Serrated jaws.

CATALOG #	DESCRIPTION
020120	6 mm, shaft 3-1/8" (8 cm)
020121	4.5 mm, shaft 3-1/8" (8 cm)

EAR INSTRUMENTS

Forceps



HARTMANN ALLIGATOR FORCEPS



KM55164

CATALOG #	DESCRIPTION
KM55164	Serrated, 12 mm jaw, 6-1/2" (16.5 cm)

HOUSE ALLIGATOR FORCEPS



020100

CATALOG #	DESCRIPTION
020100	Serrated, 8 mm jaws, shaft 3-1/8" (8 cm)

HARTMANN EAR DRESSING FORCEPS



411520

CATALOG #	DESCRIPTION
411520	Serrated, 2.5 x 7 mm jaws, 5-1/8" (13 cm)
KM55188	Delicate, serrated, 2.2 mm x 7 mm jaws, 5" (12.5 cm)

MICROMINIATURE ALLIGATOR FORCEPS



020571

CATALOG #	DESCRIPTION
020571	Straight, serrated, ebonized, shaft 3-1/8" (8 cm)

EAR INSTRUMENTS

Forceps



HOUSE STRUT FORCEPS



CATALOG #	DESCRIPTION
020130	Smooth jaws, 5 mm, 3-1/8" (8 cm)

TOBEY EAR FORCEPS



CATALOG #	DESCRIPTION
411515	Serrated, 2 x 3 mm jaws, working length 2" (5 cm)

NOYES EAR FORCEPS



CATALOG #	DESCRIPTION
411525	Serrated, 2 x 10 mm jaws, 3-1/2" (9 cm)

EAR INSTRUMENTS

Forceps



HARTMANN-HERZFELD CUP FORCEPS



Straight.

CATALOG #	DESCRIPTION
411535	2 mm cups, shaft length 3-3/8" (9 cm)
411540	3 mm cups, shaft length 3-3/8" (9 cm)

ROUND CUP FORCEPS



CATALOG #	DESCRIPTION
020165	0.75 mm cup jaws, shaft 3-1/8" (8 cm)

OVAL SPOON FORCEPS



CATALOG #	DESCRIPTION
020155	Straight, 1 mm cup, 3-1/8" (8 cm)

EAR INSTRUMENTS

Forceps



WILDE EAR FORCEPS



KM57176

CATALOG #	DESCRIPTION
KM57176	Angular, delicate, serrated, 4-1/8" (10.5 cm)

Scissors

BELLUCCI ALLIGATOR SCISSORS



020210

CATALOG #	DESCRIPTION
020210	Curved right, 5 mm blades, shaft 3-3/8" (8.5 cm)
020211	Curved left, 5 mm blades, shaft 3-3/8" (8.5 cm)

EAR INSTRUMENTS

Scissors



HOUSE BELLUCCI MINI ALLIGATOR SCISSORS



CATALOG #	DESCRIPTION
020204	Straight, sharp, 4.5 mm blades, 3-1/8" (8 cm)

Specula

BOUCHERON EAR SPECULUM



025101

Round.

CATALOG #	DESCRIPTION
025100	Complete set of four
025101	Size 1, diameter 3 mm
025102	Size 2, diameter 3.5 mm
025103	Size 3, diameter 4.5 mm
025104	Size 4, diameter 5 mm

EAR INSTRUMENTS

Specula



FARRIER OVAL SPECULUM



025163

Oval.

CATALOG #	DESCRIPTION
025160	Size 3 x 4 mm
025162	Size 4 x 5 mm
025163	Size 4.5 x 5.5 mm
025164	Size 5 x 6 mm
025165	Size 5.5 x 6.5 mm
025166	Size 6 x 7 mm
025167	Size 6.5 x 7.5 mm
025168	Size 7 x 8 mm
025169	Size 7.5 x 8.5 mm

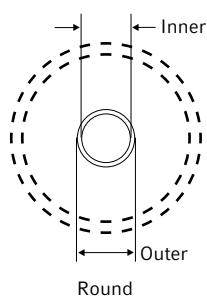
HARTMANN EAR SPECULUM



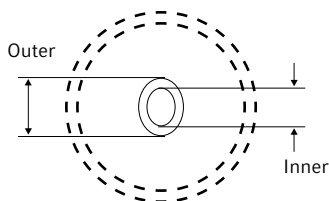
411140

Round and oval.

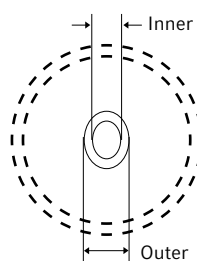
CATALOG #	DESCRIPTION
411140	Round, chrome plated, set of four
411145	Oval, chrome plated, set of four



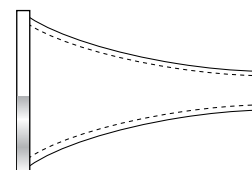
Round



Oval "A"



Oval "B"



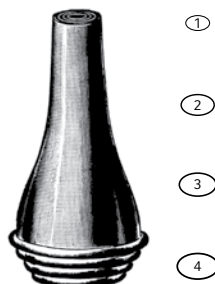
CATALOG #	SHAPE	SIZE 1		SIZE 2		SIZE 3		SIZE 4	
		I.D.	O.D.	I.D.	O.D.	I.D.	O.D.	I.D.	O.D.
411140	Round	3 mm	4 mm	4 mm	5 mm	5.5 mm	6.5 mm	7 mm	8 mm
411145	Oval A	3.5 mm	4.5 mm	4.5 mm	5.5 mm	5.5 mm	6.5 mm	6.5 mm	7.5 mm
	Oval B	2.5 mm	3.5 mm	3.5 mm	4.5 mm	4.5 mm	5.5 mm	5.5 mm	6.5 mm

EAR INSTRUMENTS

Specula



GRUBER EAR SPECULUM



KM56172

Oval. Adult, chrome.

CATALOG #	DESCRIPTION
KM56168	# 1, 4 x 5 mm
KM56170	# 2, 5 x 6 mm
KM56172	# 3, 6 x 7 mm
KM56174	# 4, 7 x 8 mm

ENDAURAL EAR SPECULUM

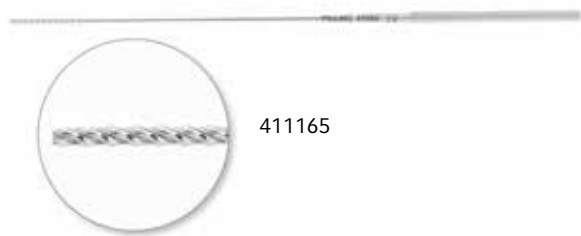


029480

CATALOG #	DESCRIPTION
029480	26 mm blade, strongly curved shaft, 5-5/8" (14.5 cm)

Miscellaneous

FARRELL (LATHBURY) APPLICATOR



411165

CATALOG #	DESCRIPTION
411165	Twisted end, 6-1/4" (16 cm)
411166	Triangular end, 6-3/8" (16 cm)

EAR INSTRUMENTS

Miscellaneous



MYRINGOTOMY KNIFE



026510

CATALOG #	DESCRIPTION
026510	Straight, 7 x 2 x 0.5 mm blade, 6-1/2" (16.5 cm)

GROSS SPOON AND HOOK



KM56104

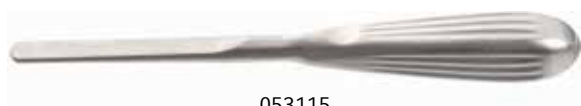
CATALOG #	DESCRIPTION
KM56104	3.5 mm diameter spoon, 4 mm right angle hook, 4-3/4" (12 cm)

NASAL INSTRUMENTS

Elevators



BOIES NASAL ELEVATOR



053115

CATALOG #	DESCRIPTION
053115	Straight, 9.5 mm tip, 7-3/4" (19.5 cm)

GOLDMAN SEPTUM DISPLACER



441730

CATALOG #	DESCRIPTION
441730	6.5 mm wide, 8" (20.5 cm)

COTTLE DOUBLE-ENDED ELEVATOR



053135

CATALOG #	DESCRIPTION
053135	Blade A 5 mm, blade B 3 mm, graduated in 10 mm increments, 8-7/8" (22.5 cm)

FREER DOUBLE-ENDED ELEVATORS



036500

Curved, sharp and blunt blades, bright finish. 7-1/2" (19 cm).

CATALOG #	DESCRIPTION
036500	Narrow, 4.5 mm
036501	Wide, 6.5 mm

FREER DOUBLE-ENDED ELEVATOR



355194

Satin finish.

CATALOG #	DESCRIPTION
355194	Blades are sharp and blunt, 4.5 mm wide, 7" (18 cm)

NASAL INSTRUMENTS

Elevators



FREER DOUBLE-ENDED ELEVATOR



KM57614

CATALOG #	DESCRIPTION
KM57614	Curved, sharp and blunt blades, 5 mm wide, 7-1/2" (19 cm)

GILLIES ZYGOMA ELEVATOR



441740

CATALOG #	DESCRIPTION
441740	1/4" (6 mm) blade, angled, 9" (23 cm)

JOSEPH PERIOSTEAL ELEVATOR



053120

CATALOG #	DESCRIPTION
053120	Curved, 4 mm blade, 6-3/4" (17 cm)

MCKENTY ELEVATOR



053102

CATALOG #	DESCRIPTION
053102	Curved, 5 mm blade, 5" (12.5 cm)

KLEINERT KUTZ ELEVATOR AND DISSECTOR



KM57615

CATALOG #	DESCRIPTION
KM57615	2 mm x 3 mm sharp ends, 7-5/8" (19.5 cm)

ALLERDYCE ELEVATOR AND DISSECTOR



KM57616

CATALOG #	DESCRIPTION
KM57616	8 mm semi-sharp and 8 mm blunt ends, 7-1/2" (19 cm)

NASAL INSTRUMENTS

Forceps



ALLIGATOR NASAL FORCEPS



CATALOG #	DESCRIPTION
057150	Serrated 10 x 1 mm jaw, shaft 7" (18 cm)

NOYES NASAL ALLIGATOR FORCEPS



CATALOG #	DESCRIPTION
431325	Straight, serrated, 8 x 2 mm jaw, shaft 5-1/2" (14 cm)

BLAKESLEY NASAL FORCEPS



CATALOG #	DESCRIPTION
031430	Serrated, 13.5 x 7 mm jaw, shaft 7-1/2" (19 cm)

NASAL INSTRUMENTS

Forceps



TAKAHASHI FORCEPS



CATALOG #	DESCRIPTION
431360	2.5 mm wide, 4-7/8" (12.5 cm)
431362	4 mm wide, 4-7/8" (12.5 cm)

WILDE (BLAKESLEY) NASAL FORCEPS



Fenestrated cup, pointed tip.

CATALOG #	DESCRIPTION
431366	Medium, 10.5 x 4 mm jaw, 4-7/8" (12.5 cm)

RUBIN SEPTAL MORSELIZER



CATALOG #	DESCRIPTION
056650	Double-action serrated jaw, 15 x 4 mm, 8-1/4" (21 cm)

NASAL INSTRUMENTS

Forceps



JANSEN-MIDDLETON NASAL RONGEURS



CATALOG #	DESCRIPTION
031500	Thru cutting cup 13 x 4 mm, shaft 3-1/2" (9 cm)
031502	Thru cutting cup 14 x 5 mm, shaft 3-7/8" (10 cm)
031505	Spoon shaped biting cup 15 x 5 mm, shaft 3-5/16" (8.5 cm)

ASCH SEPTUM FORCEPS



CATALOG #	DESCRIPTION
443610	Angled, 28 mm tip, 9-1/8" (23 cm)

COTTLE COLUMELLA FORCEPS



CATALOG #	DESCRIPTION
443480	12 mm tip width, 4-3/8" (11 cm)

NASAL INSTRUMENTS

Knives



BALLENGER KNIVES



036111

Swivel knife.

CATALOG #	DESCRIPTION
036110	Straight 3 mm blade, 8" (20.5 cm)
036111	Straight 4 mm blade, 7-1/2" (19 cm)

COTTLE KNIFE GUIDE AND RETRACTOR



050190

CATALOG #	DESCRIPTION
050190	Delicate, knife guide 4 mm, retractor 14.5 mm, 7-3/4" (19.5 cm)

COTTLE NASAL KNIFE



050120

CATALOG #	DESCRIPTION
050120	Straight 32 x 5 mm blade, 5-5/8" (14.5 cm)

FREER D MODEL SEPTUM KNIFE



036100

CATALOG #	DESCRIPTION
036100	8 mm blade, 6-1/2" (16.5cm)

Osteotomes

ANDERSON-NIEVERT OSTEOTOMES



051191

Curved, 8" (20.5 cm).

CATALOG #	DESCRIPTION
051190	Right
051191	Left
051195	Straight

COTTLE OSTEOTOMES



051152

Rounded corners, 7-1/4" (18.5 cm).

CATALOG #	DESCRIPTION
051150	4 mm
051152	6 mm
051155	9 mm
051158	12 mm

NASAL INSTRUMENTS

Osteotomes



MINI OSTEOTOMES



441208

Curved, 5" (12.5 cm).

CATALOG #	DESCRIPTION
441207	4 mm
441208	6 mm

LAMBOTTE-STYLE OSTEOTOMES



051086

5" (12.5 cm), flat thin blade.

CATALOG #	DESCRIPTION
051082	2 mm
051084	4 mm
051086	6 mm
051088	8 mm
051090	10 mm
051092	12 mm
051095	15 mm

HEX-HANDLE OSTEOTOMES



051104

6" (15.2 cm), flat thin blade.

CATALOG #	DESCRIPTION
051102	2 mm
051103	3 mm
051104	4 mm
051105	5 mm
051106	6 mm
051107	7 mm
051109	9 mm
051110	10 mm

Raspatories

AUFRICHT RASP



052162

CATALOG #	DESCRIPTION
052162	Curved, up-cutting blade, 25 x 9 mm, 8" (20.5 cm)

NASAL INSTRUMENTS

Raspatories



AUFRICHT-GLABELLA RASP



052165

CATALOG #	DESCRIPTION
052165	Up and down-cutting, curved blade, 9 x 30 mm, 7-1/2" (19 cm)

CONVERSE RASP



052180

CATALOG #	DESCRIPTION
052180	Double-ended, fine and course serrations, 7-1/8" (18 cm)

COTTLE RASP



052130

CATALOG #	DESCRIPTION
052130	Straight, down-cutting blade, 36 x 9 mm, 8-1/4" (21 cm)

JOSEPH RASP



441530

CATALOG #	DESCRIPTION
441530	Fine serrations, 6 -7/8" (15.5 cm)

NASAL INSTRUMENTS

Raspatories



KLEINERT-KUTZ RASP



441555

CATALOG #	DESCRIPTION
441555	4-sided tips, 7.5 mm wide, 8-5/8" (22 cm)

MALTZ RASP



052100

CATALOG #	DESCRIPTION
052100	Straight, down-cutting blade, 37 x 6 mm, 7-1/8" (18 cm)

WIENER ANTRUM RASP



037101

CATALOG #	DESCRIPTION
037101	Medium, 4 mm trocar point, 7-7/8" (20 cm)

NASAL INSTRUMENTS

Scissors



BECKER SEPTUM SCISSORS



CATALOG #	DESCRIPTION
431425	3/4" (2 cm) serrated blades, 7" (18 cm)

CAPLAN NASAL SCISSORS



CATALOG #	DESCRIPTION
031750	20 mm serrated blades angled 45 degrees, 7" (18 cm)

FOMAN NASAL SCISSORS



CATALOG #	DESCRIPTION
056400	40 mm angled, straight, smooth blades, 5-1/2" (14 cm)

NASAL INSTRUMENTS

Scissors



FOMON LOWER LATERAL SCISSORS



CATALOG #	DESCRIPTION
056360	25 mm strongly curved blades, 5-1/4" (13.5 cm)

KNIGHT NASAL SCISSORS



CATALOG #	DESCRIPTION
031800	42 mm blades angled 30 degrees, 6-1/4" (16 cm)

RHINOPLASTY FLAT TIP SCISSORS



CATALOG #	DESCRIPTION
056302	35 mm curved blades, flat dissecting tips, 5-3/8" (13.5 cm)



NASAL INSTRUMENTS

Sinus Instruments



FESS SINOSCOPY FORCEPS



431433

CATALOG #	DESCRIPTION
431433	Serrated, 5-3/4" (14.5 cm)

THRU-CUT FORCEPS



431437

CATALOG #	DESCRIPTION
431437	Serrated upper jaw, 5-3/4" (14.5 cm)

BACKBITER FORCEPS



431440

CATALOG #	DESCRIPTION
431440	Straight, jaw 1.5 x 6 mm, 7" (18 cm)

NASAL INSTRUMENTS

Sinus Instruments



SIDE BITER FORCEPS



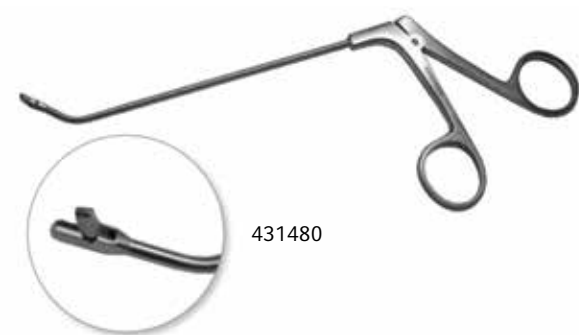
CATALOG #	DESCRIPTION
431445	Right-side downward cut, 3 mm tip, 5-1/8" (13 cm)
431446	Left-side downward cut, 3 mm tip, 5-1/8" (13 cm)

KERRISON THRU-CUT RONGEURS



CATALOG #	DESCRIPTION
431451	Curved 30 degrees, 7-7/8" (20 cm)
431452	Curved 70 degrees, rotating, working length 5-5/8" (14.5 cm)
431461	Straight, rotating, working length 4-3/4" (12 cm)
431462	Angled 30 degrees, 8" (20.5 cm)
431463	Angled 45 degrees, 7-3/4" (19.5 cm)

FRONTAL SINUS THRU-CUT FORCEPS



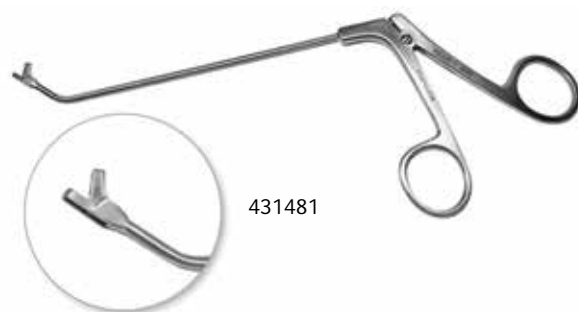
CATALOG #	DESCRIPTION
431480	3.5 mm tip, 8-5/8" (22 cm), 5-1/8" (13 cm)

NASAL INSTRUMENTS

Sinus Instruments



FRONTAL SINUS FORCEPS



431481

CATALOG #	DESCRIPTION
431481	5-1/8" (13 cm)

SINUS SEEKERS



431711

CATALOG #	DESCRIPTION
431710	Maxillary Seeker: 1.5 mm and 1.8 mm ball tips, 8-1/8" (20.5 cm)
431711	Frontal Seeker: 1.8 mm ball tip and 0.9 mm tip, 7-7/8" (20 cm)

FRONTAL SINUS CURETTES



431729

431733

CATALOG #	DESCRIPTION
431728	Angled, 45 degrees, 2.8 mm tip, 7-1/2" (19 cm)
431729	Angled, 45 degrees, 3.5 mm tip, 7-5/8" (19.5 cm)
431732	Angled, 90 degrees, 2.8 mm tip, 7-1/2" (19 cm)
431733	Angled, 90 degrees, 3.5 mm tip, 7-5/8" (19.5 cm)

NASAL INSTRUMENTS

Snares



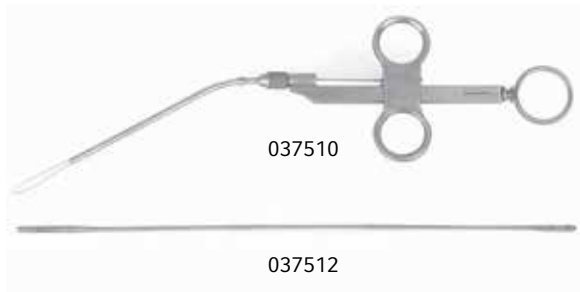
BRUENING BAYONET NASAL SNARE



037500

CATALOG #	DESCRIPTION
037500	9" (23 cm)

KRAUSE NASAL SNARES



037510

037512

CATALOG #	DESCRIPTION
037510	10" (25.5 cm)
037512	Stylet only

NASAL SNARE WIRES



070704

4-3/8" (11 cm) precut. 144 per package.

CATALOG #	DESCRIPTION
070701	4 Ga., nose
070702	5 Ga., nose
070704	7 Ga., throat
070705	8 Ga., throat
070706	9 Ga., throat

NASAL INSTRUMENTS

Specula



TIECK INFANT NASAL SPECULUM



030100

CATALOG #	DESCRIPTION
030100	18 mm blade, spread 28 mm, 5-1/2" (14 cm)

SONNENSCHN CHILD NASAL SPECULUM



030180

CATALOG #	DESCRIPTION
030180	Small, 27 mm blade, spread 28 mm, angled 80 degrees, 6" (15 cm)

KILLIAN NASAL SPECULUMS



030303

Removable spring. 5-1/8" (13 cm).

CATALOG #	DESCRIPTION
030301	Size 1, 45 mm blade
030302	Size 2, 55 mm blade
030303	Size 3, 65 mm blade
030304	Size 4, 80 mm blade

NASAL INSTRUMENTS

Specula



COTTLE SEPTUM SPECULUM



431130

CATALOG #	DESCRIPTION
431130	5 cm blade, with locking screw, 5-1/2" (14 cm)

VIENNA NASAL SPECULUMS



431111

CATALOG #	DESCRIPTION
431110	Small, #1, 28 mm blade, 5-1/4" (13.5 cm)
431111	Medium, #2, 30 mm blade, 5-3/8" (13.5 cm)
431112	Large, #3, 33 mm blade, 5-3/8" (13.5 cm)

PECK-VIENNA NASAL SPECULUM



431120

CATALOG #	DESCRIPTION
431120	29 mm blade, 5-3/8" (13.5 cm)

NASAL INSTRUMENTS

Miscellaneous



AUFRICHT NASAL RETRACTOR



054720

CATALOG #	DESCRIPTION
054720	Small blade, 40 x 8 mm, angled shaft, 6-3/4" (17 cm)

CUTTING BLOCK



411331

CATALOG #	DESCRIPTION
411331	Made of POM (polyoxymethylene), 3" x 1-1/2" x 3/8" (7.5 x 4 x 1 cm)

MOUTH AND THROAT INSTRUMENTS

Adenotomes/Tonsillectomes



ADENOTOME BLADES



070522

Use with LaForce and Shambaugh Adenotomes.
Slanted catch knob.

CATALOG #	DESCRIPTION
070521	No. 1, small, 55 x 12.5 mm
070522	No. 2, medium, 55 x 16 mm
070523	No. 3, large, 55 x 19 mm

LA FORCE ADENOTOMES



070502

9" (23 cm).

CATALOG #	DESCRIPTION
070501	No. 1, small, blade 25 x 16 mm
070502	No. 2, medium, blade 26 x 19 mm
070503	No. 3, large, blade 30 x 22 mm

SHAMBAUGH REVERSE CURVE ADENOTOMES



070511

8-5/8" (22 cm).

CATALOG #	DESCRIPTION
070511	No. 1, small, blade 25 x 16 mm
070512	No. 2, medium, blade 26 x 19 mm

DANIELS BLADES



070605

CATALOG #	DESCRIPTION
070604	No. 1, for 070600 (pg. 522)
070605	No. 2, for 070601

MOUTH AND THROAT INSTRUMENTS

Adenotomes/Tonselectomes



DANIELS TONSILLECTOME



070600

4-1/2" (11.5 cm) fluted handle, overall 7-1/8" (18 cm).

CATALOG #	DESCRIPTION
070600	No. 1, 18 mm blade, 17 mm fenestration

Curettes

BARNHILL ADENOID CURETTES



461352

CATALOG #	DESCRIPTION
461350	# 0, 8-1/2" (21.5 cm)
461351	# 1, 8-1/2" (21.5 cm)
461352	# 2, 8-1/2" (21.5 cm)
461353	# 3, 8-1/2" (21.5 cm)
461354	# 4, 8 5/8" (22 cm)

SHAMBAUGH ADENOID CURETTES



072122

Reverse curve.

CATALOG #	DESCRIPTION
072120	Size 0, 11 x 13 mm, 8-1/4" (21 cm)
072122	Size 2, 15 x 18 mm, 8-1/4" (21 cm)
072124	Size 4, 19 X 22 mm, 8-1/4" (21 cm)

MOUTH AND THROAT INSTRUMENTS

Forceps



COLLINS TONGUE SEIZING FORCEPS



CATALOG #	DESCRIPTION
452510	Straight, 6-3/4" (17 cm)

COLVER COAKLEY TONSIL FORCEPS



CATALOG #	DESCRIPTION
461600	Straight, 7-1/2" (19 cm)
461605	Curved, 7-1/2" (19 cm)

MAGILL CATHETER FORCEPS



Catheter introducing forceps with cross serration.

CATALOG #	DESCRIPTION
452550	Adult, 9-1/4" (23.5 cm)
452551	Child, 7-1/8" (18 cm)

MOUTH AND THROAT INSTRUMENTS

Forceps



WHITE TONSIL FORCEPS



Curved.

CATALOG #	DESCRIPTION
461610	7-1/8" (18 cm)
461615	9-1/2" (24 cm)

Laryngeal Mirrors

LARYNGEAL MIRRORS

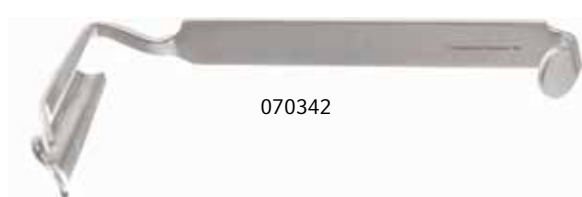


Extra thin, permanently mounted on handle.
Shaft length is 6-3/4" (17 cm). 8" overall length.

CATALOG #	DESCRIPTION
508200	#000, 8 mm diameter
508201	#00, 10 mm diameter
508202	#0, 12 mm diameter
508203	#1, 16 mm diameter
508204	#2, 18 mm diameter
508205	#3, 20 mm diameter
508206	#4, 22 mm diameter
508207	#5, 24 mm diameter
508208	#6, 28 mm diameter
508209	#7, 30 mm diameter

Mouth Gags

DAVIS & MCIVOR LEFT TONGUE BLADES



6" (15 cm), for use with right bite Davis Mouth Gags.

CATALOG #	DESCRIPTION
070340	Blade Size 2, 2-7/16" x 15/16" (62 x 24 mm)
070342	Blade Size 3, 3" x 1-1/16" (76 x 27 mm)
070344	Blade Size 4, 3-9/16" x 1-5/16" (90 x 34 mm)

MOUTH AND THROAT INSTRUMENTS

Mouth Gags



DAVIS & MCIVOR RIGHT TONGUE BLADES



6" (15 cm), for use with left bite Davis Mouth Gags.

CATALOG #	DESCRIPTION
070330	Blade Size 2, 2-7/16" x 15/16" (62 x 24 mm)
070332	Blade Size 3, 3" x 1-1/16" (76 x 27 mm)
070334	Blade Size 4, 3-9/16" x 1-5/16" (90 x 34 mm)

DAVIS MOUTH GAG BLADE, SIZE 2



Without either tubes, fits Davis Mouth Gags only.

CATALOG #	DESCRIPTION
070312	Size 2, 70 x 24 mm blade



MOUTH AND THROAT INSTRUMENTS

Mouth Gags



DAVIS MOUTH GAGS



070300

Double bite with silicone liner.

CATALOG #	DESCRIPTION
070300	Adult, right bite, 15 x 13 mm block, 80 mm spread, 6-1/8" (15.5 cm)
070301	Adult, left bite, 15 x 13 mm block, 80 mm spread, 6-1/8" (15.5 cm)
070302	Child, right bite, 15 x 9 mm block, 70 mm spread, 5-1/2" (14 cm)
070303	Child, left bite, 15 x 9 mm block, 70 mm spread, 5-1/2" (14 cm)
070305	One dozen replacement silicone liners for both Adult and Child



070303



070305

DINGMAN MOUTH GAG



070450

CATALOG #	DESCRIPTION
070450	Set, frame with 3 blades (64 x 25 mm, 70 x 29 mm, 62 x 30 mm), 5-3/4" (14.5 cm)

MOUTH AND THROAT INSTRUMENTS

Mouth Gags



JENNINGS MOUTH GAG



CATALOG #	DESCRIPTION
070202	Adult, working length 6" (15 cm), spread 66 mm, 7-3/4" (19.5 cm)

MCIVOR MOUTH GAG



CATALOG #	DESCRIPTION
461125	Set, frame with 3 blades (# 2.5, # 3, # 4), each 5-3/8" (13.5 cm)
461126	Frame only
461128	Blade # 3, 5-3/8" (13.5 cm)



MOUTH AND THROAT INSTRUMENTS

Mouth Gags



SLUDER-JANSEN MOUTH GAG



070232

CATALOG #	DESCRIPTION
070232	Curved, 28 x 13 mm blade, 5-1/8" (13 cm)

DENHARDT MOUTH GAG



070222

CATALOG #	DESCRIPTION
070222	Serrated, lead bit block 10 x 16 mm, 4-7/8" (12.5 cm)

Retractors

ANDREWS TONGUE DEPRESSOR



070107

CATALOG #	DESCRIPTION
070107	Deeply serrated, 21 x 48 mm blade, 30 degree angle, 4-1/2" (11.5 cm)

MOUTH AND THROAT INSTRUMENTS

Retractors



WIEDER TONGUE DEPRESSORS



070100

Fenestrated, serrated.

CATALOG #	DESCRIPTION
070100	Small blade, 41 x 36 mm, 5-9/16" (14 cm)
070101	Large blade, 43 x 43 mm, 6" (15 cm)

HURD DISSECTOR AND PILLAR RETRACTORS



073502

9" (23 cm).

CATALOG #	DESCRIPTION
073500	Small dissector 27 x 7 mm, retractor 11 mm
073502	Large dissector 27 x 9 mm, retractor 13 mm

LOTHROP UVULA RETRACTOR



070140

CATALOG #	DESCRIPTION
070140	Grooved 36 x 19 mm blade with 5 mm deep lip, 5-3/8" (13.5 cm)



MOUTH AND THROAT INSTRUMENTS

Scissors



BOETTCHER TONSIL SCISSORS



CATALOG #	DESCRIPTION
074120	Slightly curved, 42 mm blades, 7-1/4" (18.5 cm)

DEAN TONSIL SCISSORS



CATALOG #	DESCRIPTION
074140	32 mm serrated blades, angled on flat, curved shanks, 6-3/4" (17 cm)

YANKAUER TONSIL SCISSORS



CATALOG #	DESCRIPTION
074115	Slightly curved, serrated, 42 mm blades, 7-1/8" (18 cm)

MOUTH AND THROAT INSTRUMENTS

Snares



EVE TONSIL SNARES



070651



070652

CATALOG #	DESCRIPTION
070651	Standard, 11-1/4" (28.5 cm)
070652	Ratcheted, 11-3/8" (29 cm)

NEIVERT-EVE TONSIL SNARE



070660

CATALOG #	DESCRIPTION
070660	10-3/8" (26.5 cm)

LEWIS TONSIL SNARE



070665

CATALOG #	DESCRIPTION
070665	10-1/4" (26 cm)



MOUTH AND THROAT INSTRUMENTS

Snares



SAGE TONSIL SNARE



070635

CATALOG #	DESCRIPTION
070635	Ratcheted, working length 8-5/8" (22 cm)

TYDING TONSIL SNARE



070640

CATALOG #	DESCRIPTION
070640	Straight tip, 10" (25.5 cm)

THROAT SNARE WIRES



070704

4-3/8" (11 cm) precut. 144 per package.

CATALOG #	DESCRIPTION
070701	4 Ga., nose
070702	5 Ga., nose
070704	7 Ga., throat
070705	8 Ga., throat
070706	9 Ga., throat

MOUTH AND THROAT INSTRUMENTS

Miscellaneous



FISHER TONSIL KNIFE AND DISSECTOR



073370

CATALOG #	DESCRIPTION
073370	17 x 7 mm serrated outer blade, 8-5/8" (22 cm)

HOLINGER KNIFE HANDLE



506705

For use with surgical blades no. 10, 11, 12 and 15.

CATALOG #	DESCRIPTION
506705	11" (28 cm)

MELTZER ADENOID PUNCH



461661

With basket.

CATALOG #	DESCRIPTION
461660	# 1, 5 mm, working length 5-1/2" (14 cm)
461661	# 2, 7 mm, working length 5-1/2" (14 cm)



HELP YOU MAKE THE RIGHT CHOICES



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Acheron Instruments

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BY KEEPING THE QUALITY*