


LARYNGOSCOPY

LARYNGOSCOPY

1.1	FIBER NPL ENDOSCOPE / MAGNIFYING LARYNGO-PHARYNGOSCOPE
1.2	PANOVVIEW TELESCOPE
1.3	LARYNGOSCOPES / CHEST SUPPORTS
1.4	RASPING FORCEPS / SPOON FORCEPS
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1.6	SUCTION TUBES
1.7	NEEDLE CARRIER INSTRUMENT
1.8	HF CONNECTION CABLE (MONOPOLAR/BIPOLAR)

FIBER NPL ENDOSCOPE









3.5 MM


							
	Ø	Working channel	Direction of view	Angle of view	WL	TL	Product no.
Fiber NPL endoscope Ø 3.5 mm WL 300 mm	3.5 mm	1.2 mm	0°	90°	300 mm	570 mm	7223.001
Fiber NPL endoscope Ø 3.5 mm WL 300 mm	3.5 mm	-	0°	80°	300 mm	525 mm	7224.001

Technical data	
Sheath Ø	3.5 mm
Working channel Ø	Ø 1.2 mm (7223.001)
Angulation	130° upward, 130° downward
Resolution	82,000 pixels
Fiber optics cables	Permanently connected
Eyepiece	ISO standard
Angle of view	7223.001: 80° 7224.001: 90°
Direction of view	0°
Operating conditions	+10 °C to +30 °C, 20 % to 75 % rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa
Storage and transport conditions	-20 °C to +60 °C, 10 % to 90 % rel. humidity, atmospheric pressure 700 hPa to 1,060 hPa

FIBER NPL ENDOSCOPE

ACCESSORIES AND AUXILIARY INSTRUMENTS

Recommended accessories		Outer Ø	WL	Product no.
Button electrode flex. mono Ø 1.1 mm WL 600 mm		Ø 1.1 mm	600 mm	7223.911
Flex. biopsy forceps Ø 1 mm WL 600 mm		Ø 1 mm	600 mm	7223.60
Flex. grasping forceps Ø 1 mm WL 600 mm		Ø 1 mm	600 mm	7223.65
Biopsy valve holder (for sealing valve 15114.052)				15114175
Sealing valve cpl. (20 PCS)				15114.052
Irrigation and probe attachment				7265.751
Leak tester for flexible endoscopes				163.903
Pressure equalization valve for low-temperature sterilization procedure with n hydrogen peroxide H2O2 and n Low Temperature Steam Formaldehyde (LTSF)				163.904

	Product no.
	Sterilization basket for flexible endoscopes (W x H x D): 448 x 288 x 106 mm 33016

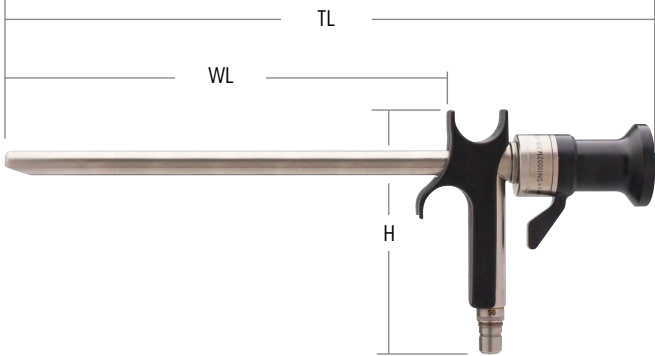


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LARYNGO-PHARYNGOSCOPE

Lula 2.0

Laryngo-pharyngoscope

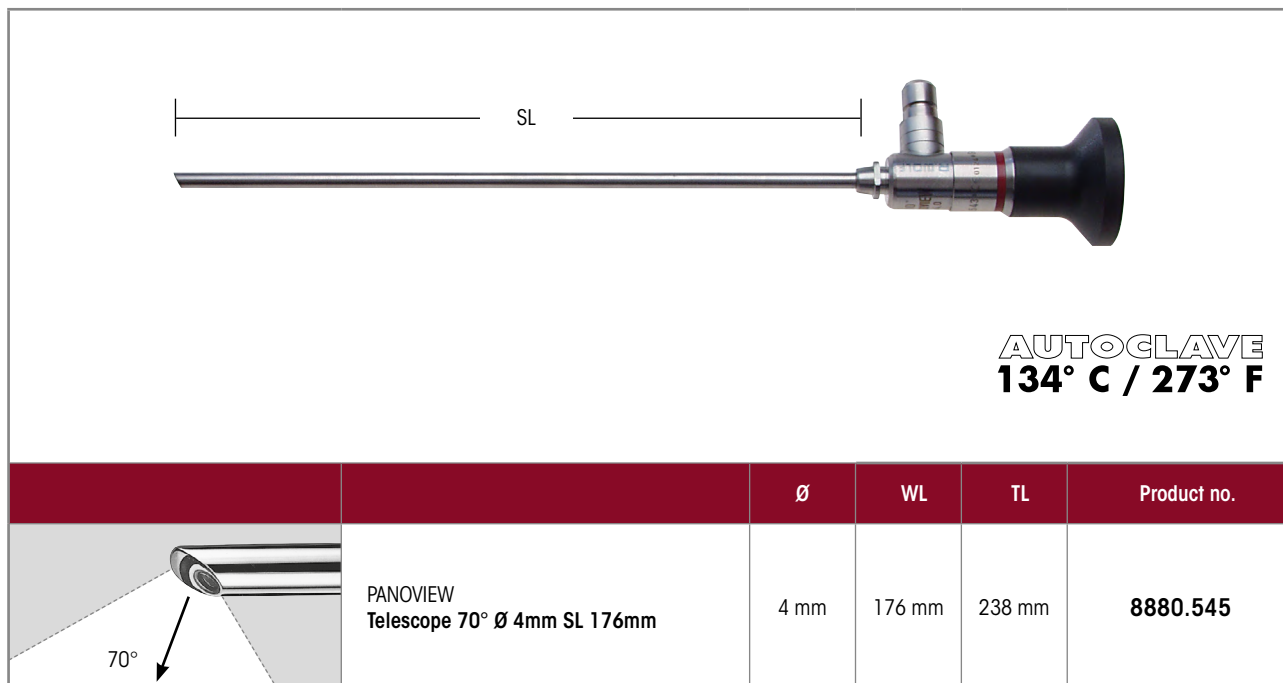
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		AUTOClave 134° C / 273° F			
		TL	WL	H	Product no.
	Laryngo-pharyngoscope 70° Ø 10 mm WL 168 mm	245 mm	168 mm	93.2 mm	885070
	Laryngo-pharyngoscope 90° Ø 10 mm WL 161 mm	237 mm	161 mm	93.2 mm	885090

Recommended accessories		Product no.
Fiber light cable bndl consisting of: fiber light cable (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 3.5 mm, 2.3 m long 806650231

PANOVIEW TELESCOPE

Ø 4 MM



Recommended accessories		Product no.
Perforated basket for standard telescope 1	(W x H x D) 297 x 54 x 59 mm	38015
Fiber light cable bndl consisting of: fiber light cable (80663523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 3.5 mm, 2.3 m long	806635231

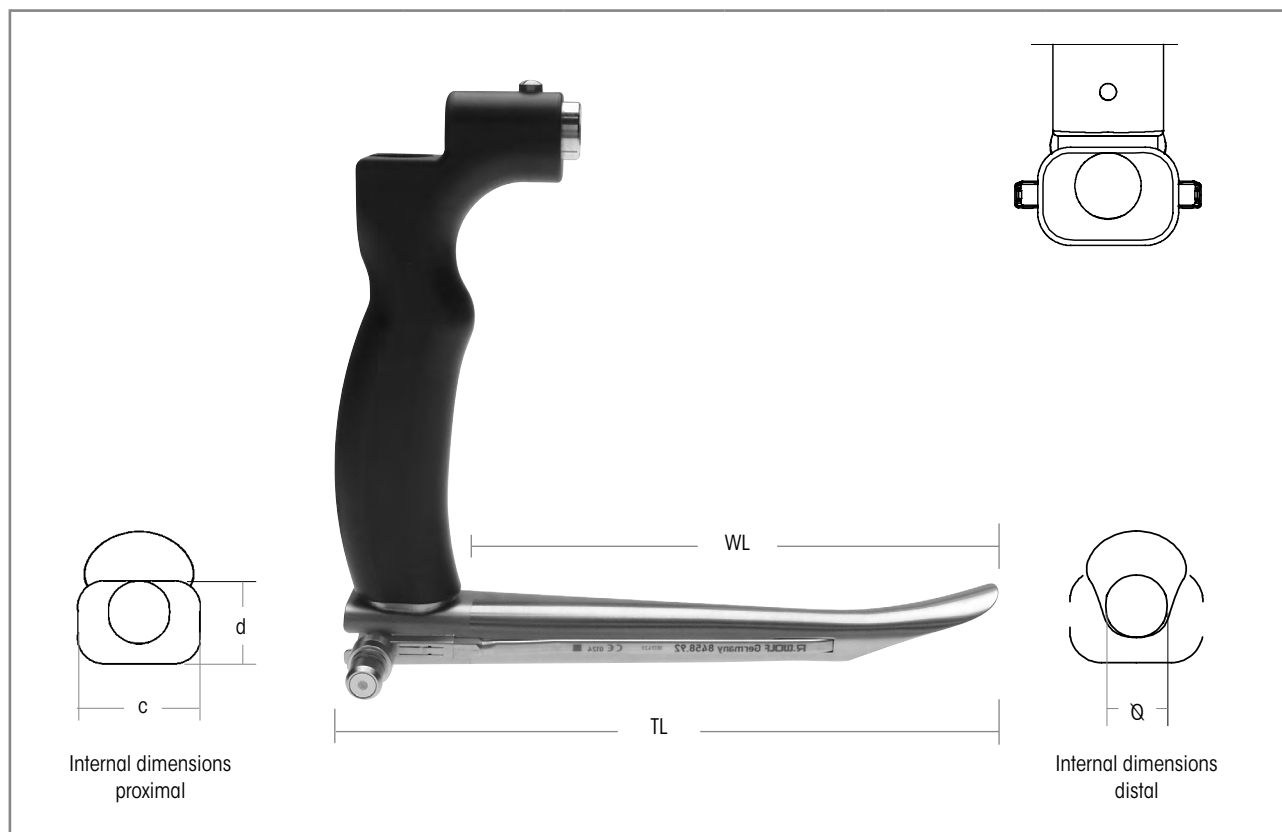
LARYNGOSCOPES

OVERVIEW


			Operating	Operating micro				Universal			SubTLot- toscope / pediatric	Operating				
			laryngoscopes													
			8446.221	8449.121	8449.221	8449.321	8456.011	8457.0111	82420.0000	8456.1011	8458.031	8458.011	824201000	824202000	824203000	824204000
Laryngoscope		8446.22	●													
		8449.12		●												
		8449.22			●											
		8449.32				●										
		8456.01					●									
		8457.011						●								
		8456.101							●							
		8458.03								●						
Light rod	External	8456.90	●				●	●	●	●		●				
		8458.92									●		●			
		824201001												●	●	
		824202001												●		
		8456.95	●				●	●	●	●		●				
		8458.97									●		●			
		824201002													●	●
		824202002												●		
Light rod	Internal	8449.11		●	●									●	●	
		8449.31				●							●			
824202011													●			
824201012												●				
824202012													●			
824203012														●	●	

OPERATING LARYNGOSCOPE PN

CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
AND INSUFFLATION / SUCTION TUBE



	Internal dimensions		WL	TL	Product no.
	proximal c x d	distal Ø			
OP-Laryngoscope WL 142mm with universal handle for all support and holding systems	23.5 mm x 16 mm	12 mm	142 mm	170 mm	824201000

Required:		Product no.
External		
Light rod for laryngoscope		8458.92
Insufflation / suction tube TL 124 mm		8458.97
Internal		
Light rod for laryngoscope		8449.31
Insufflation / suction tube TL 102 mm		824201012
Chest support for operating laryngoscopes		8449.911

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OPERATING LARYNGOSCOPE LM

CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
 AND INSUFFLATION / SUCTION TUBE




Internal dimensions proximal



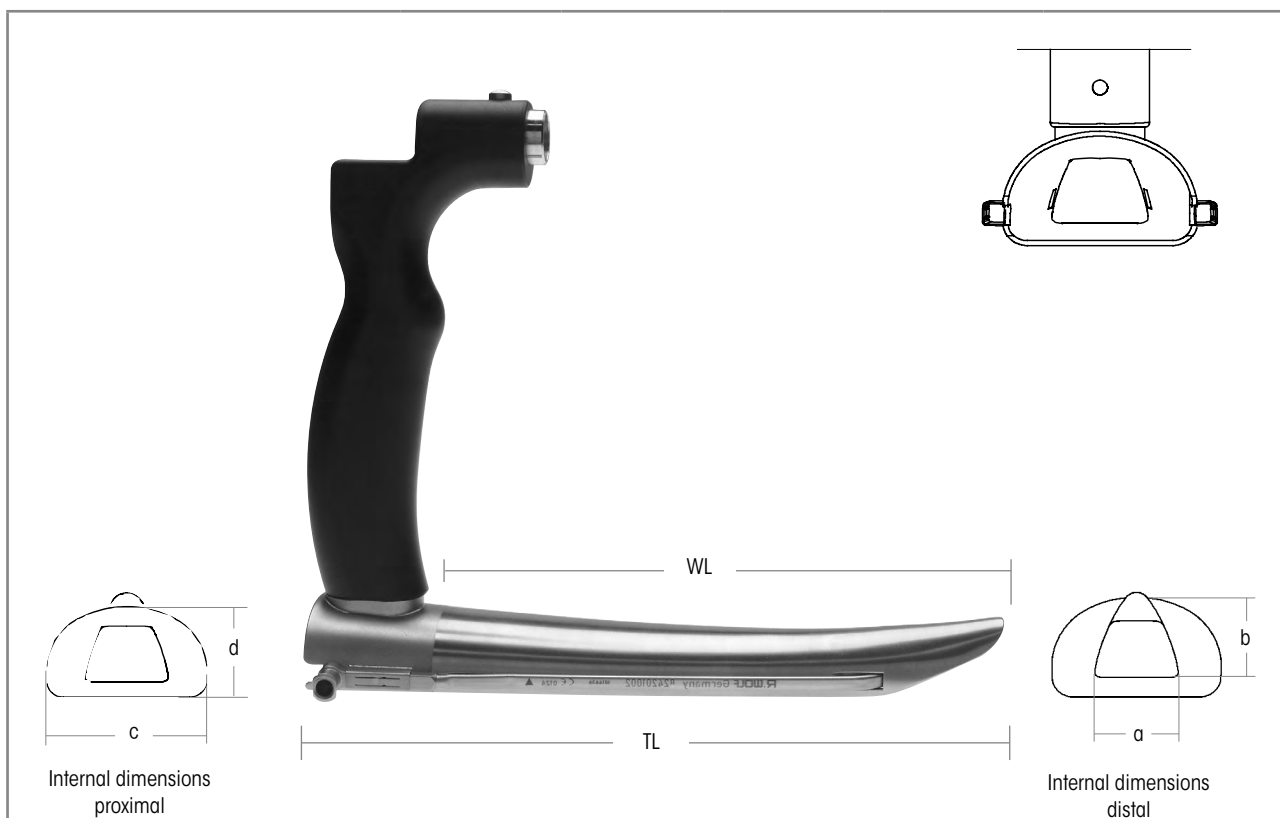
Internal dimensions distal

	Internal dimensions		WL	TL	Product no.
	proximal c x d	distal Ø			
Operating laryngoscope WL 123 mm with universal handle for all support and holding systems	37 mm x 22 mm	17.5 mm	123 mm	150 mm	824202000


Required:		Product no.
External		
Light rod for laryngoscope		824202001
Insufflation / suction tube TL 1 mm		824202002
Internal		
Light rod for laryngoscope		824202011
Insufflation / suction tube TL 97 mm		824202012
Chest support for operating laryngoscopes 		8449.911

OPERATING LARYNGOSCOPE BR

CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
AND INSUFFLATION / SUCTION TUBE



	Internal dimensions		WL	TL	Product no.
	proximal c x d	distal a x b			
Operating laryngoscope WL 152 mm with universal handle for all support and holding systems	37 mm x 21 mm	19 mm x 15 mm	152 mm	180 mm	824203000

Required:		Product no.
External		
Light rod for laryngoscope		824201001
Insufflation / suction tube TL 145 mm		824201002
Internal		
Light rod for laryngoscope		8449.11
Insufflation / suction tube TL 133 mm		824203012
Chest support for operating laryngoscopes		8449.911

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OPERATING LARYNGOSCOPE

CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
 AND INSUFFLATION / SUCTION TUBE

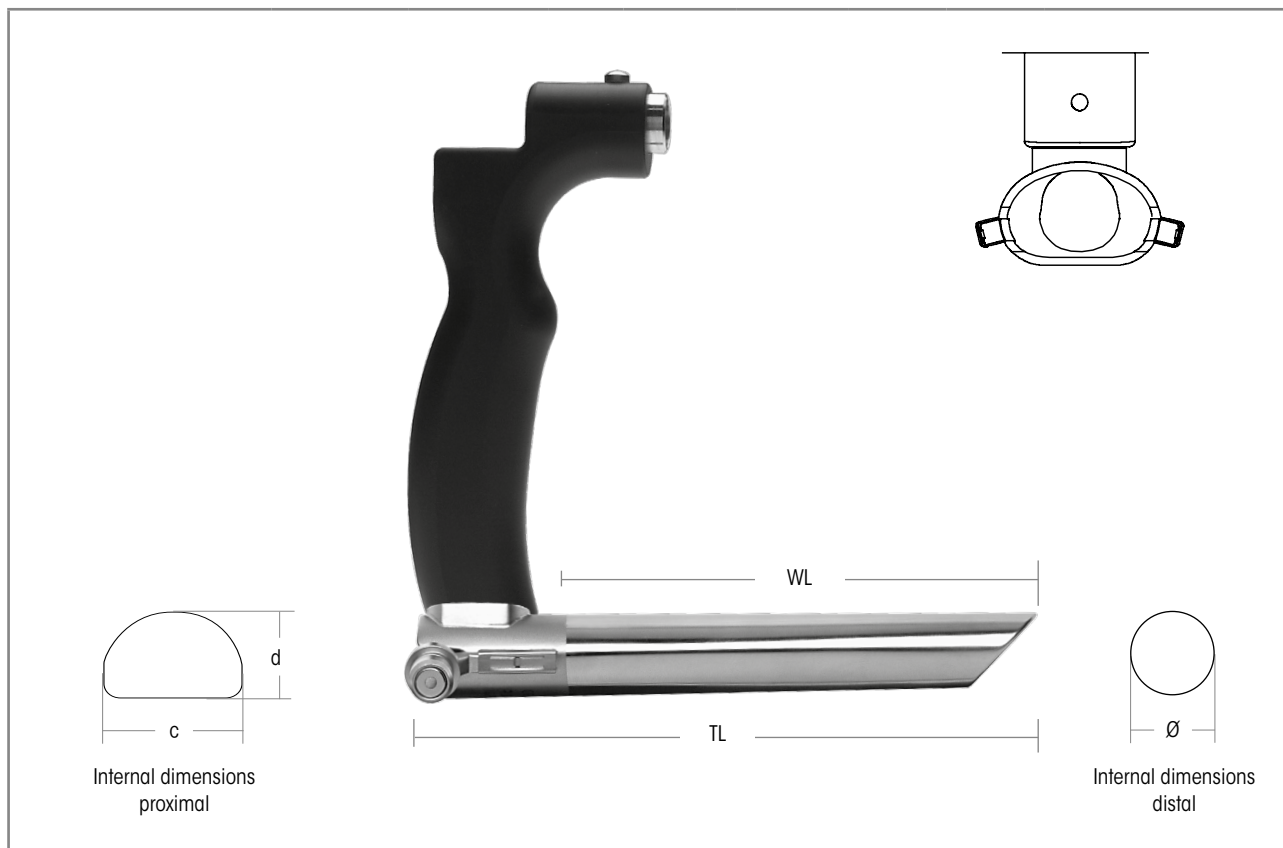
Internal dimensions proximal

Internal dimensions distal

	Internal dimensions		WL	TL	Product no.
	proximal c x d	distal a x b			
OP-Laryngoscope WL 149mm with universal handle for all support and holding systems	26 mm x 22.5 mm	17 mm x 22 mm	149 mm	180 mm	824204000

Required:		Product no.	
External			
Light rod for laryngoscope		824201001	
Insufflation / suction tube TL 145 mm		824201002	
Internal			
Light rod for laryngoscope		8449.11	
Insufflation / suction tube TL 133 mm		824203012	
Chest support for operating laryngoscopes 			8449.911

OPERATING MICROLARYNGOSCOPE FOR ENDO-LARYNGEAL MICROSURGERY



	OP-Micro-laryngoscope	Spare light rod for laryngoscope	Size	Inner dimensions		WL	TL	Product no. bndl
				proximal c x d	distal Ø			
Laryngoscope bndl consisting of: operating microlaryngoscope and external light carrier, with universal handle for all support and holding systems	8449.32	8449.31	A	19.5 mm x 12.5 mm	12 mm	103 mm	134 mm	8449.321
	8449.22	8449.11	B	26 mm x 16 mm	14.5 mm	153 mm	184 mm	8449.221
	8449.12	8449.11	C	29 mm x 19 mm	15 mm	153 mm	183 mm	8449.121

Required:	Product no.
Chest support for operating laryngoscopes 	8449.911

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OPERATING LARYNGOSCOPE

FOR LASER PROCEDURES

BY STEINER

Internal dimensions proximal

Internal dimensions distal

	OP-Laryngoscope	Spare light rod for laryngoscope	Spare insufflation / suction tube	Inner dimensions		WL	TL	Product no. bndl
				proximal c x d	distal a x b			
Laryngoscope bndl consisting of: operating laryngoscope, with smoke extraction integrated in the spatula, outer light carrier and insufflation-suction tube with universal handle for all support and holding systems	8446.22	8456.90	8456.95	32 mm x 13.5 mm	16 mm x 13.5 mm	154 mm	184 mm	8446.221

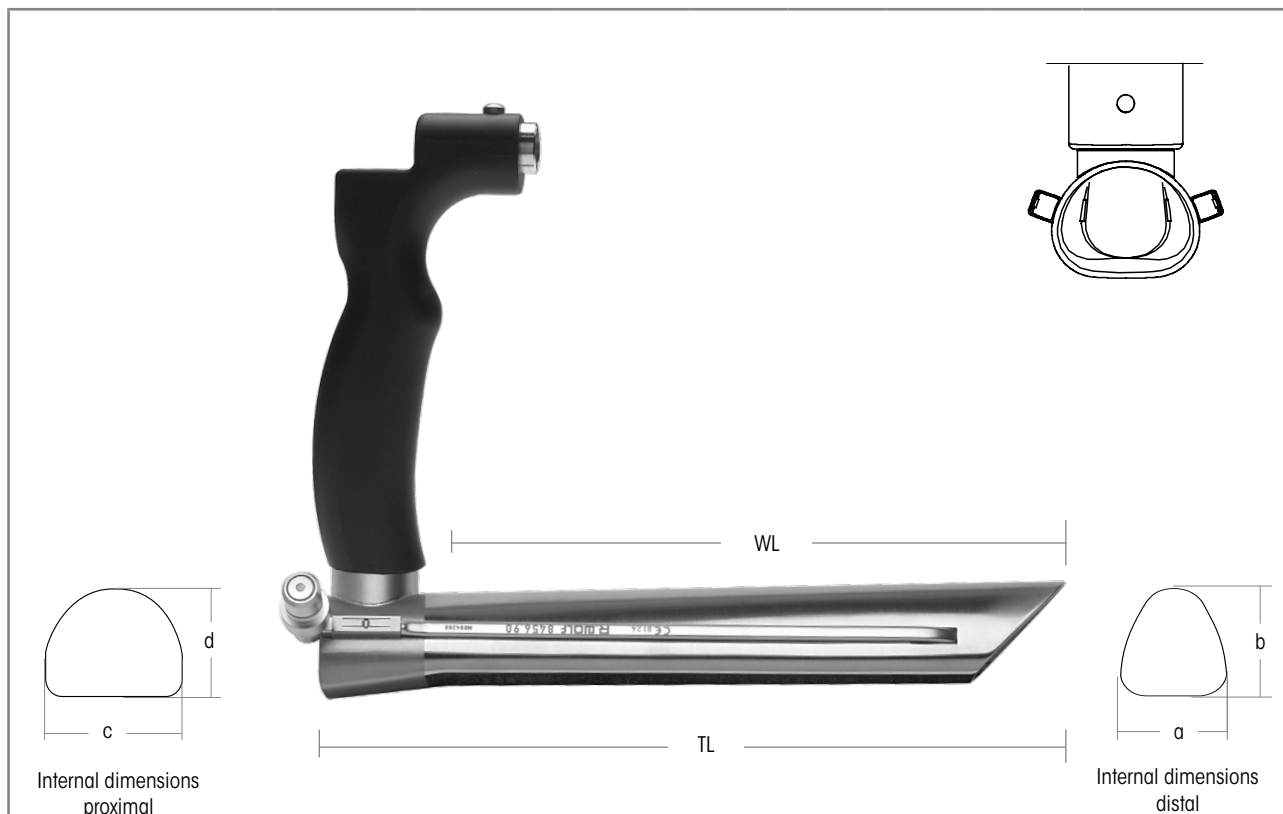
Required:

Product no.

Chest support for operating laryngoscopes

8449.911

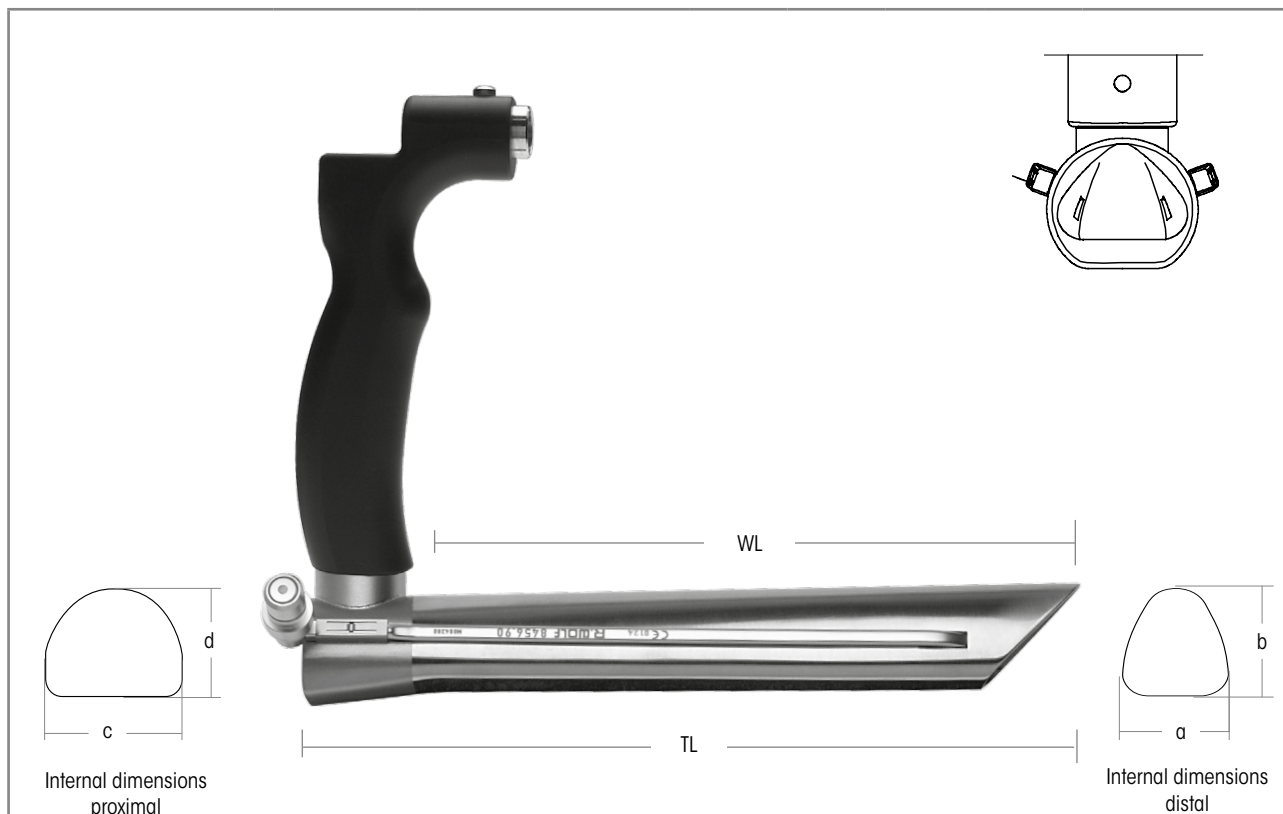
OPERATING LARYNGOSCOPE FOR ANTERIOR COMMISSURE



	OP- Laryngoscope	Spare light rod for laryngoscope	Spare Insufflation / suction tube	Inner dimensions		WL	TL	Product no. bndl
				proximal c x d	distal a x b			
Laryngoscope bndl consisting of: operating laryngoscope, outer light carrier and insufflation-suction tube with universal handle for all support and holding systems	8458.03	8458.92	8458.97 GL 124 mm	23 mm x 17.5 mm	14 mm x 16 mm	113 mm	144 mm	8458.031

Required:	Product no.
Chest support for operating laryngoscopes 	8449.911

OPERATING LARYNGOSCOPE FOR ANTERIOR COMMISSURE



	OP- Laryngoscope	Spare light rod for laryngoscope	Spare Insufflation / suction tube	Inner dimensions		WL	TL	Product no. bndl
				proximal c x d	distal a x b			
Laryngoscope bndl consisting of: operating laryngoscope, outer light carrier and insufflation-suction tube with universal handle for all support and holding systems	8458.011	8456.90	8456.95	25 mm x 21 mm	17 mm x 17,5 mm	153 mm	184 mm	8458.0111

Required:

Product no.

Chest support for operating laryngoscopes



8449.911

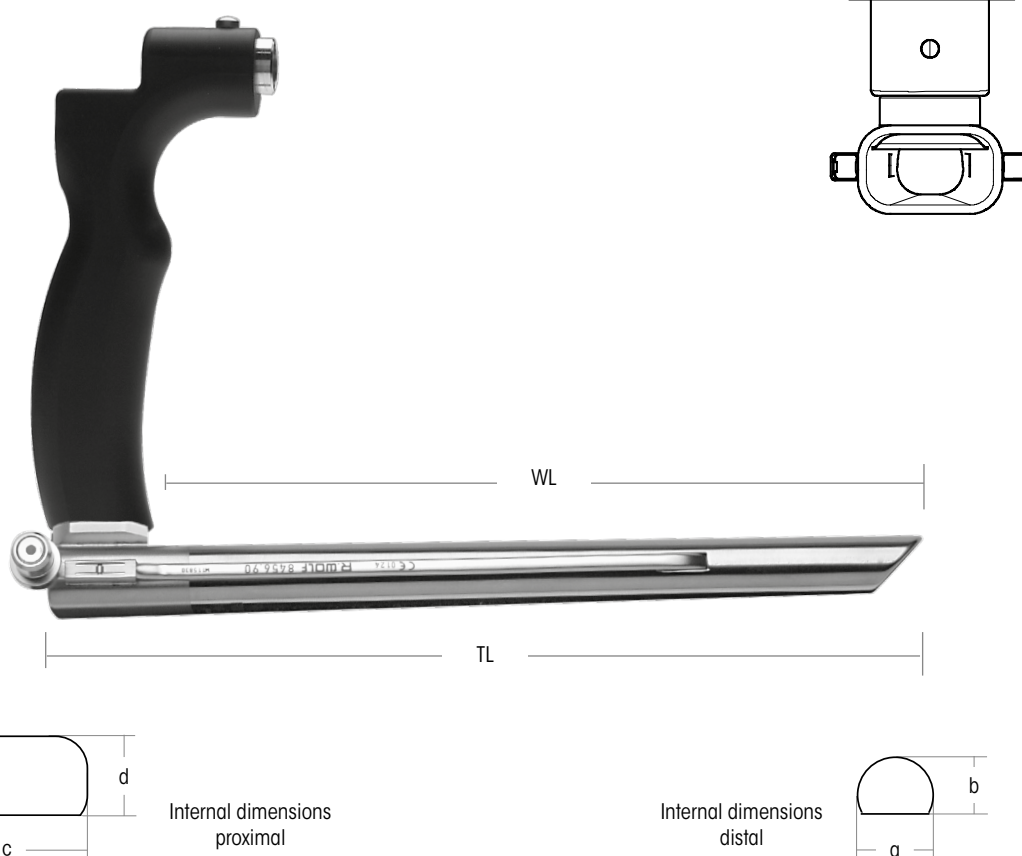
SUBGLOTTOSCOPE / CHILDREN-LARYNGOSCOPE

BY STEINER

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LARYNGOSCOPES

1.3

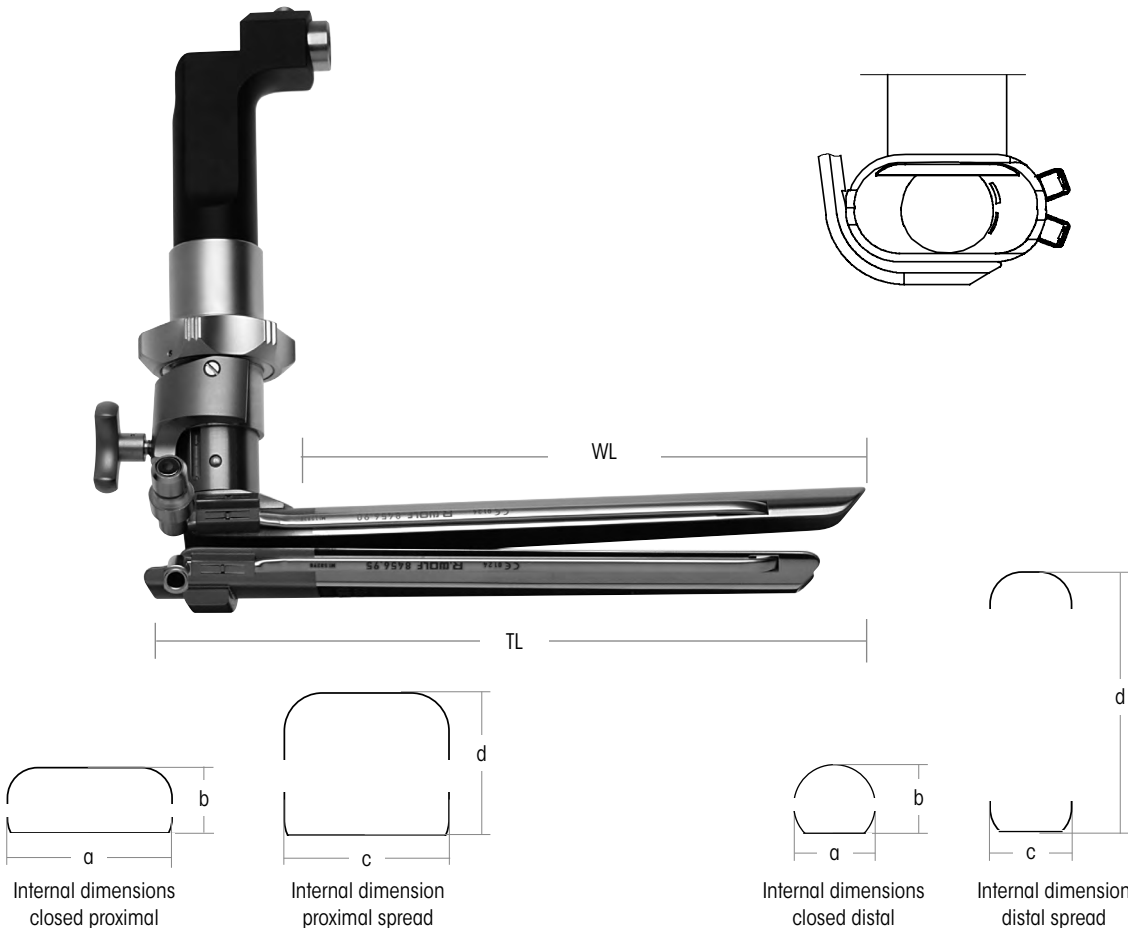


	OP- Laryngoscope	Spare light rod for laryngoscope	Spare Insufflation / suction tube	Inner dimensions		WL	TL	Product no. bndl
				proximal c x d	distal a x b			
Subglottoscope bndl consisting of: operating laryngoscope, light rod for laryngoscope and insufflation / suction tube with universal handle for all support and holding systems	8456.101	8456.90	8456.95	11 mm x 7.5 mm	21.5 mm x 9.5 mm	175 mm	206 mm	8456.1011

Required:		Product no.
Chest support for operating laryngoscopes 		8449.911

SPREADER LARYNGOSCOPE

BY STEINER

								
	OP- Laryngoscope	Spare light rod for laryngoscope	Spare Insufflation / suction tube	Internal dimensions and spread		WL	TL	Product no. bndl
				proximal a x b c x d	distal a x b c x d			
Laryngoscope bndl consisting of: operating laryngoscope, straight blade, with smoke extraction integrated in the spatula, outer light carrier and insufflation-suction tube with universal handle for all support and holding systems	8456.01	8456.90	8456.95	(a x b) 32 mm x 12.5 mm (c x d) 32 mm x 27.5 mm	(a x b) 16 mm x 13.5 mm (c x d) 16 mm x 53 mm	148 mm	200 mm	8456.011

The light rod as well as the insufflation and suction tube can be adapted on either the right or the left side..

Required:	Product no.
Chest support for operating laryngoscopes 	8449.911

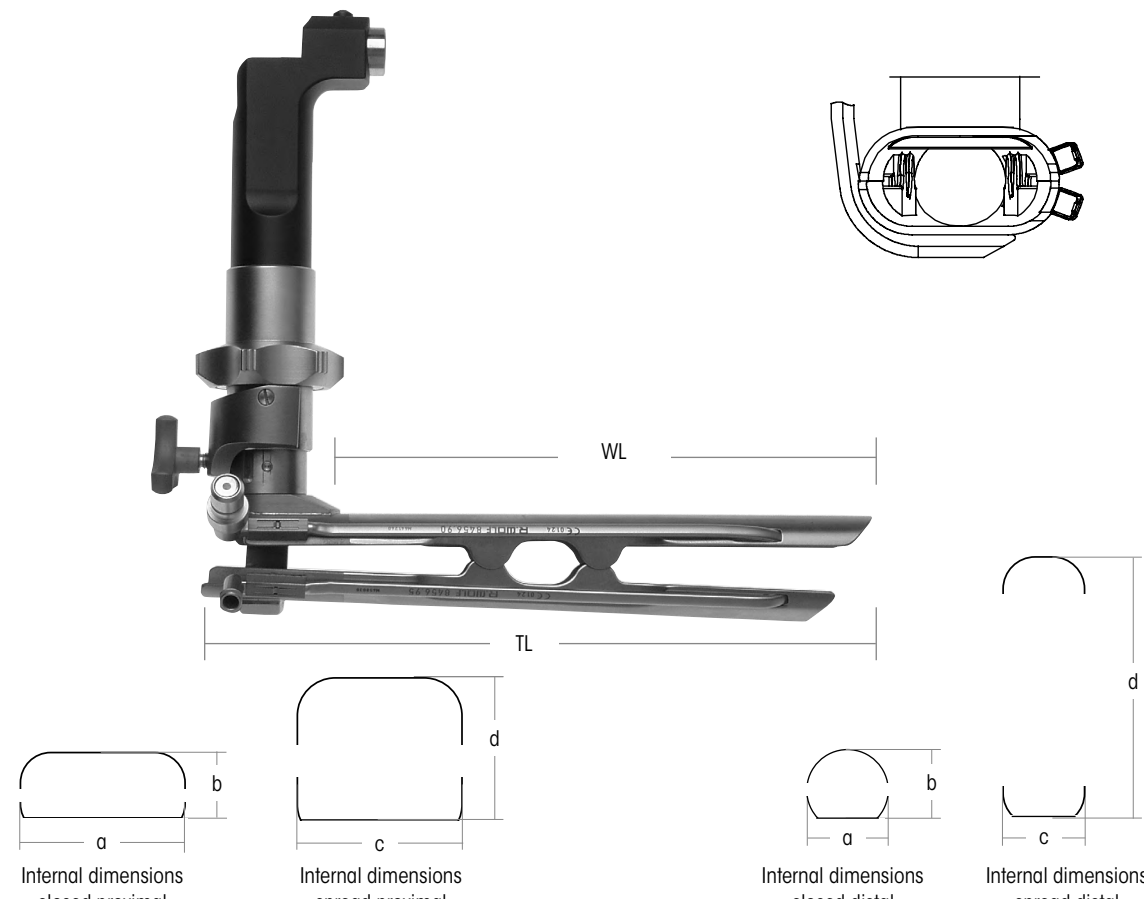
SPREADER LARYNGOSCOPE

BY POTOTSCHNIG

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LARYNGOSCOPES

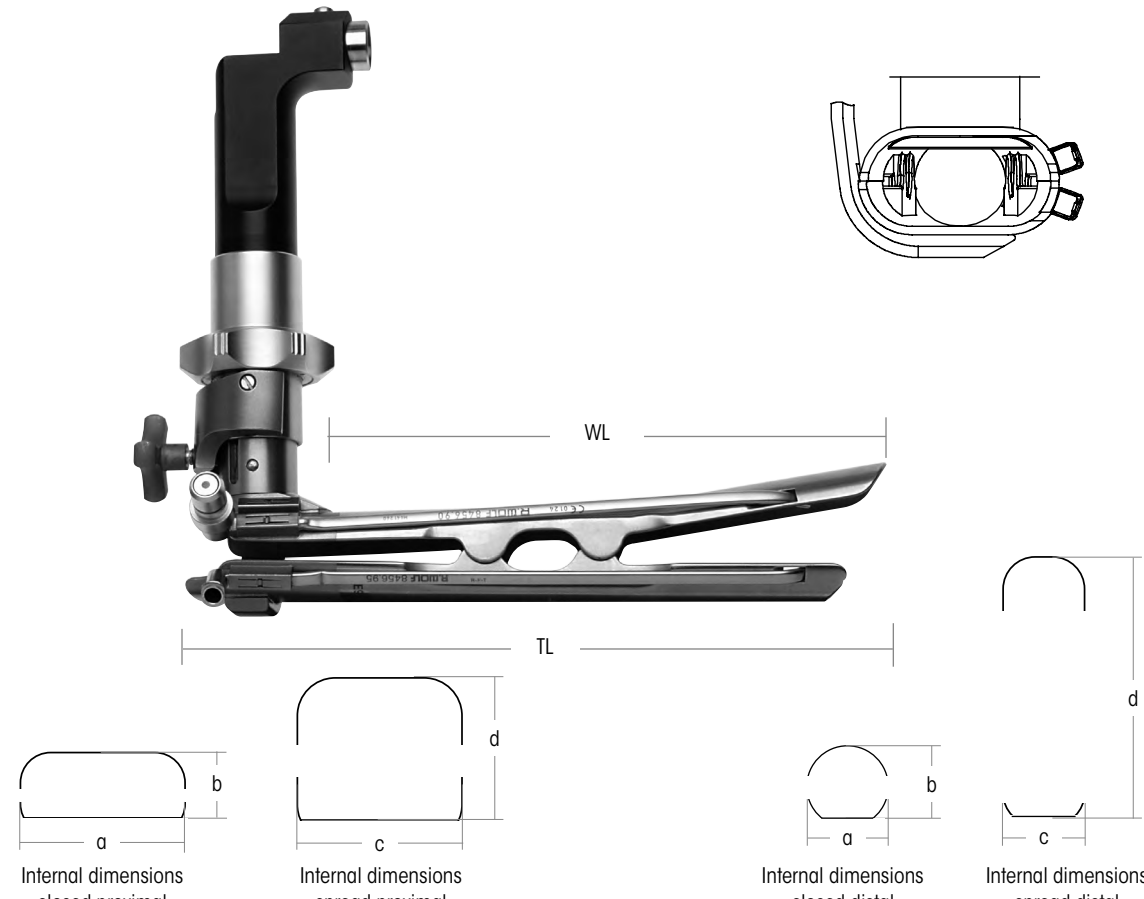
1.3

								
	OP- Laryngoscope	Spare light rod for laryngoscope	Spare insufflation / suction tube	Internal dimensions and spread		WL	TL	Product no. bndl
				proximal a x b c x d	distal a x b c x d			
Laryngoscope bndl consisting of: operating laryngoscope, straight blade, with contusion protection of soft tissue, with smoke extraction integrated in the spatula, outer light carrier and insufflation-suction tube with universal handle for all support and holding systems	8457.011	8456.90	8456.95	(a x b) 32 mm x 12.5 mm (c x d) 32 mm x 27.5 mm	(a x b) 16 mm x 13.5 mm (c x d) 16 mm x 53 mm	148 mm	200 mm	8457.0111

The light rod as well as the insufflation and suction tube can be adapted on either the right or the left side.

Required:		Product no.
Chest support for operating laryngoscopes		8449.911

SPREADER LARYNGOSCOPE FOR ANTERIOR COMMISSURE

							
	Spare light rod for laryngoscope	Spare insufflation / suction tube	Internal dimensions and spread		WL	TL	Product no.
			proximal a x b c x d	distal a x b c x d			
OP-Laryngoscope WL 147mm distal upwards curved blade, with contusion protection of soft tissue, with smoke extraction integrated in the spatula, outer light carrier and insufflation-suction tube with universal handle for all support and mounting systems, reusable	8456.90	8456.95	(a x b) 32 mm x 12,5 mm (c x d) 32 mm x 27,5 mm	(a x b) 16 mm x 13,5 mm (c x d) 16 mm x 73 mm	147 mm	200 mm	82420.0000

The light rod as well as the insufflation and suction tube can be adapted on either the right or the left side.

Required:		Product no.
Chest support for operating laryngoscopes		8449.911

CHEST SUPPORT FOR OPERATING LARYNGOSCOPES FOR ADULTS AND CHILDREN





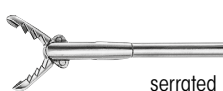



AUTOCLAVE
134° C / 273° F



Integrated smoke evacuation	Product no.
Chest support for operating laryngoscopes with smoke extraction integrated	8449.911

- Easy adjustability
- High stability

FORCEPS 3 MM FOR TUMOR SURGERY

					
		Ø	WL	Product no.	
	Grasping forceps, small WL 230 mm	3.0 mm	230 mm	8283.51	
	Grasping forceps, medium WL 245 mm	3.0 mm	245 mm	8283.52	
	Grasping forceps, large WL 240 mm	3.0 mm	240 mm	8283.53	
		Sheath Ø	Jaw section Ø	WL	Product no.
	Biopsy forceps WL 270 mm	3.0 mm	4.0 mm	270 mm	8280.22
	Tumor forceps WL 270 mm	3.0 mm	4.0 mm	270 mm	8280.26









SPONGE FORCEPS 3 MM

					
		Outer Ø	WL	Product no.	
	Sponge forceps Ø 3.0 mm WL 300 mm	3.0 mm	300 mm	8148.02	

PROBE / KNOT PUSHER / KNIFE



PROBE / KNOT PUSHER / KNIFE



1.5

				
		Jaw insert	TL	Product no.
	Probe, blunt TL 265 mm	angled	265 mm	8267.21
	Knot pusher TL 280 mm		280 mm	8267.35
	Knife TL 262 mm	straight, crosswise oval	262 mm	8267.14
	Knife TL 262 mm	angled 45°, crosswise oval		8267.15
	Sickle knife TL 262 mm	curved		8267.10
	Knife TL 265 mm	round, with vertical cutting edge	265 mm	8267.12
Required:				
Handle				82460.0000

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SUCTION TUBE

				
Bipolar		Ø	WL	Product no.
	Suction tube, bipo Ø 3.2 mm WL 240 mm	3.2 mm	240 mm	8289.24



				
		Ø	WL	Product no.
	Suction tube OD 2 mm WL 250 mm	2.0 mm	250 mm	8291.22
	Suction tube OD 2.5 mm WL 250 mm	2.5 mm		8291.23
	Suction tube OD 3 mm WL 250 mm	3.0 mm		8291.24

Bipolar connection cable and HF connection cable: see page LARYNX26-29


HF COAGULATING SUCTION TUBE

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		Ø	WL	Product no.
	HF coagulation suction tube OD 5.2 mm WL 240 mm	5.2 mm	240 mm	84420.2105
	HF coagulation suction tube OD 5.2 mm WL 240 mm angled			84420.2107



monopolar		Ø	WL	Product no.
	HF coagulation suction tube OD 3.1 mm WL 210 mm	3.1 mm	210 mm	8291.101
	HF coagulation suction tube OD 4.1 mm WL 210 mm	4.1 mm		8291.102

Bipolar connection cable and HF connection cable: see page LARYNX26-29

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NEEDLE CARRIER INSTRUMENT

FOR THE FIXATION OF VOCAL CORD PROSTHESES OR VOCAL CORD LATERAL FIXATION

by Lichtenberger			
		WL	Product no.
	Needle carrier instrument WL 210 mm	210 mm	8267.50
Required:			
For needle carrier instrument 8267.50	Spare needles Ø 0.64 mm, TL 37 mm (PU = 100 PCS)		8267.951

HF CONNECTION CABLE MONO

815xxx

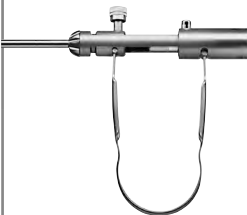








Instrument connector	Device connector		Product no.
WOLF Resectoscopes 		HF connection cable mono L 3 m	815.032
	ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m	815.052
		HF connection cable mono L 3 m	815.132
	ERBE (T series)	HF connection cable mono L 5 m	815.152
HF electrodes, monopolar 		HF connection cable mono L 3 m	815.031
	Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 5 m	815.051
		HF connection cable mono L 3 m	815.033
	Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m	815.053
		HF connection cable mono L 3 m	815.034
	BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 5 m	815.054

HF CONNECTION CABLE MONO 8106xxx

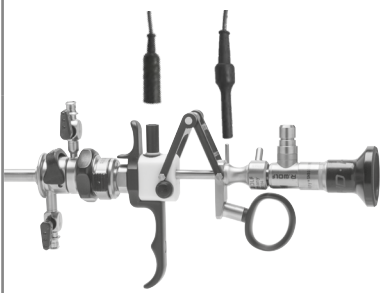




Instrument connector	Device connector		Product no.
WOLF Instruments/surgical generator  HF electrodes, monopolar 		HF connection cable mono L 3 m	8106.032
	ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m	8106.052
	 ERBE (T series)	HF connection cable mono L 3 m	8106.132
		HF connection cable mono L 5 m	8106.152
	 Martin (M-version)/Berchtold/ Aesculap	HF connection cable mono L 3 m	8106.031
		HF connection cable mono L 5 m	8106.051
	 Bovie/Valleylab/Erbe (Int.)/ BOWA (Int.) R. Wolf HF surgical generator 400 kHz 2260001	HF connection cable mono L 3 m	8106.033
		HF connection cable mono L 5 m	8106.053
	 BOWA (Int./EU) Eschmann and other devices with 4 mm plugs R. Wolf HF surgical generator 400 kHz 2260001/2260002	HF connection cable mono L 3 m	8106.034
		HF connection cable mono L 5 m	8106.054

BIPO HF CONNECTION CABLE

8108xxx

Instrument connector	Device connector		Product no.
WOLF Bipolar forceps 	 <p>ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	HF connection cable bipo; L 3 m	8108.032
		HF connection cable bipo; L 5 m	8108.052
	 <p>International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	HF connection cable bipo; L 3 m	8108.033
		HF connection cable bipo; L 5 m	8108.053
	 <p>WOLF/Martin (M-version)/ Berchtold/Aesculap</p>	HF connection cable bipo; L 3 m	8108.031
		HF connection cable bipo; L 5 m	8108.051
Bipolar tweezers connection 	 <p>ERBE (ACC/ICC/T)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	HF connection cable bipo; L 3 m	8108.132
		HF connection cable bipo; L 5 m	8108.152
	 <p>International / 2-pin Valleylab R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	HF connection cable bipo; L 3 m	8108.133
		HF connection cable bipo; L 5 m	8108.153
	 <p>Martin (M-version)/Berchtold/ Aesculap</p>	HF connection cable bipo; L 3 m	8108.131
		HF connection cable bipo; L 5 m	8108.151
	 <p>EMC Dolley</p>	HF connection cable bipo; L 3 m	8108135

HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

Instrument connector	Device connector		Product no.
 <p>WOLF S(a)line resectoscopes</p>	 <p>Erbe VIO 300D</p>	<p>Bipolar cable; TUR/TCR; WOLF</p> <p>MF plug; L 4 m</p>	20196-119
	 <p>Erbe VIO 3</p>	<p>BIPOLAR CABLE; MF-U</p> <p>MF plug; L 4.5 m</p>	21196-119
	 <p>KLS Martin</p>	<p>HF connection cable</p> <p>bipo; L 3 m</p>	8108.231
		<p>HF connection cable</p> <p>bipo; L 5 m</p>	8108.251
	 <p>R. Wolf HF surgical generator 400 kHz 2260001/2260002</p>	<p>HF connection cable</p> <p>bipo; L 3 m</p>	8108233
		<p>HF connection cable</p> <p>bipo; L 5 m</p>	8108253

Subject to modifications.

LAR/NVen070725

