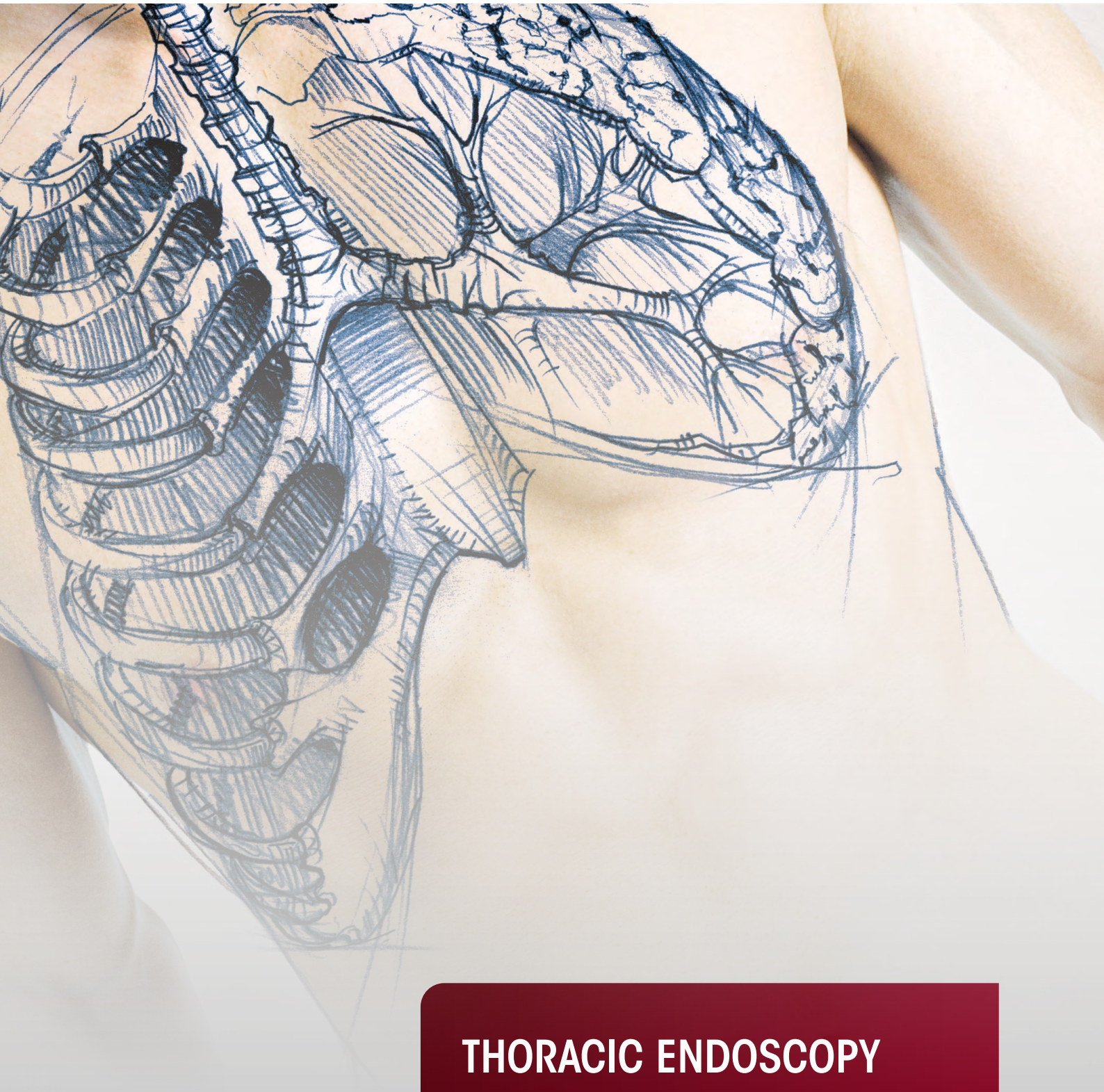




THORACIC ENDOSCOPY

THORACIC ENDOSCOPY

1	BRONCHOSCOPY
1.1	FLEXIBLE SENSOR BRONCHOSCOPES
1.2	TEXAS MODEL BRONCHOSCOPE / ENDOBRONCHIAL SAW BLADES
1.3	TIPCONTROL / ERAGONBIPOLAR FORCEPS / STENT LOADING SYSTEM
1.4	BRONCHOSCOPE / TRACHEOSCOPE TUBES
1.5	PANOVVIEW TELESCOPES
1.6	OPTICAL FORCEPS / BRONCHOSCOPE FORCEPS
1.7	ACCESSORIES
2	PEDIATRIC BRONCHOSCOPY
3	THORACOSCOPY
4	MEDIASTINOSCOPY

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

FLEXIBLE 1-CHANNEL SENSOR BRONCHOSCOPE

"SLIM"

FOR ENDOCAM Logic 4K CONTROLLER

SENSOR BRONCHOSCOPE

1.1



DIAGNOSTIC MODEL	Outer Ø	Working channel	WL	TL	Direction of view	Angle of view	Product no.
Sensor bronchoscope Ø 3.3 mm WL 680 mm with suction valve	3.3 mm	1.5 mm	680 mm	980 mm	6.5°	90°	7235011

Recommended accessories		Product no.
Fiber lightcable bndl consisting of: Fiber light cable Ø 2.5 mm TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231
Perforated basket for flexible endoscopes for this: fixing ring Ø 50.39 mm	(W x H x D): 448 x 106 x 288 mm	33016
		643301261
Flexible auxiliary instruments		see Thorax5

FLEXIBLE 1-CHANNEL SENSOR BRONCHOSCOPE

"SLIM"

TECHNICAL DATA

Sensor bronchoscope	7235011
Sheath Ø	3.3 mm
Working / irrigation channel Ø	1.5 mm
Angle	150° upward, 150° downward
Working length	680 mm
Angle of view	90°
Illumination	Two LEDs in handle, no separate light source required
Handle	Ergonomic handle design with axial cable outlet
Positioning of the working and irrigation channels in relation to the picture	At 9 o'clock
Endopicture	Square, digital 6x zoom Automatic white balance, light control, and focus
Cable length	2.5 m
Compatible endocamera	ENDOCAM Logic 4K ENDOCAM Logic HD ENDOCAM Logic HD lite

ENDOCAM LOGIC 4K – video equipment

Product no.



ENDOCAM Logic 4K camera control unit bndl

consisting of:

ENDOCAM Logic 4K camera control unit (5525301)

Handheld remote control (5525401)

1x USB flash memory 32 GB (72321829)

1x HDMI/HDMI cable, lockable, 3.0 m (103847)

1x power cable (2440.03)

55253011

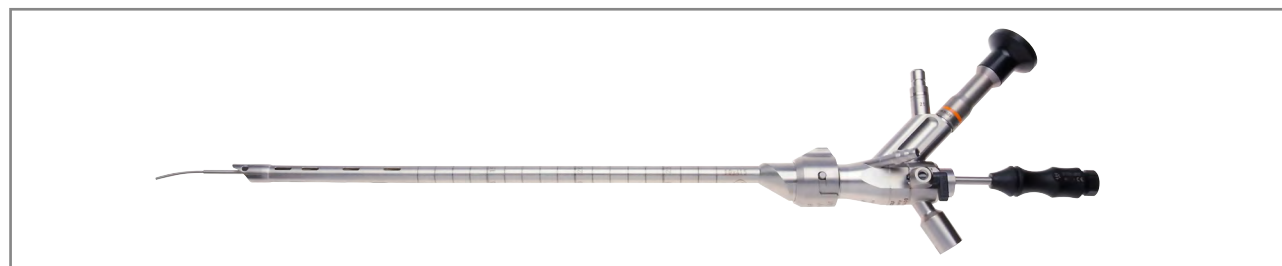
FLEXIBLE 1-CHANNEL SENSOR BRONCHOSCOPE

"SLIM"

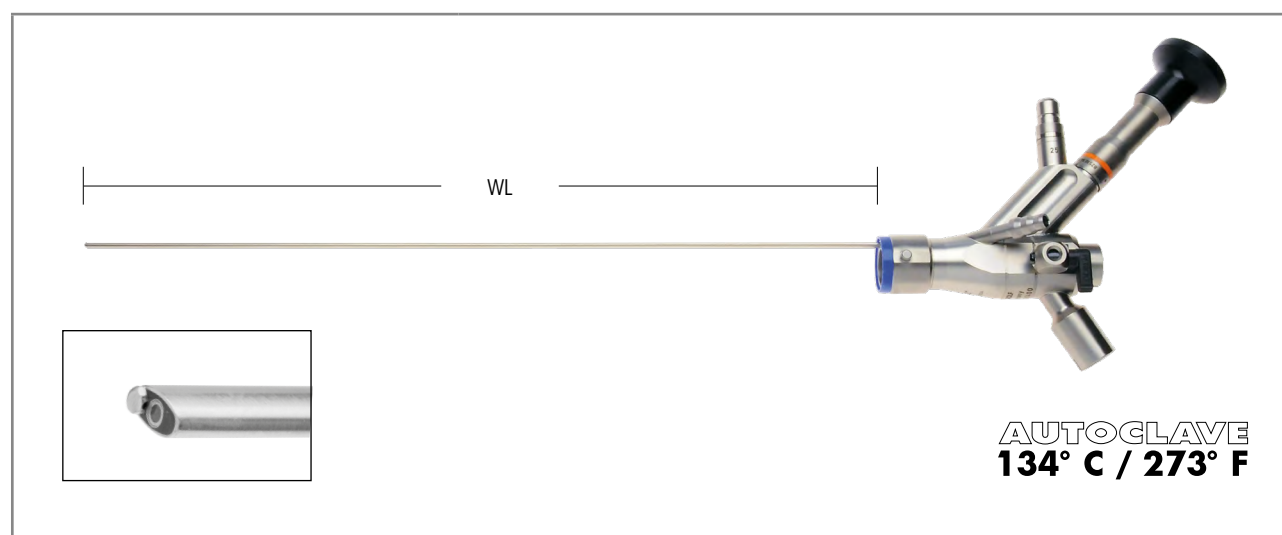
ACCESSORIES AND AUXILIARY INSTRUMENTS

Recommended accessories		Outer Ø	Product no.
	Flex. grasping forceps 3 FR WL 920 mm	1.0 mm	828.651
	Flex. biopsy forceps 3 FR WL 920 mm	1.0 mm	829.601
	Biopsy valve receptacle		15114175
	Sealing valve, bundle (20 pcs)		15114.052
	Clamping attachment		8290020
	Seal		15176173
	Suction valve for bronch. sterile (PU = 20 pcs)		4565901M
	Irrigation adapter for machine cleaning of flexible bronchoscopes with suction valve		163912
	Tube with LUER-LOCK connector		886.00
	Luer sealing cap for sealing the 2nd Luer connector		15023205
	Adapter		163.905
	Laser fiber Ø 200 µm, disposable sterile (PU = 1 pcs)	200 µm	487501200
	Laser fiber Ø 272 µm, disposable sterile (PU = 1 pcs)	272 µm	487501272
	Laser fiber Ø 200 µm, reusable sterile (PU = 1 pcs)	200 µm	87501200
	Laser fiber Ø 272 µm, reusable sterile (PU = 1 pcs)	272 µm	87501272
	Laser fiber Ø 365 µm, reusable sterile (PU = 1 pcs)	365 µm	875013650

OPTICAL BRONCHOSCOPE TEXAS MODEL



- The endoscope is integrated directly into the bronchoscope tube and offers an optimal view at all times.



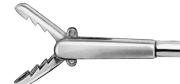
		Product no.
Optic element bundle	consisting of: Telescope 17° W 4.4 mm H 2 mm WL 314 mm (82510.1400) Respiration adapter for jet ventilation (8238.502) Connection part for bronch. nozzle (15401.071) Rubber cap without holes (88.00) Spare O-ring for 15401.071 (PU = 5 PCS) (9500.071) Spare seal, 5 PCS (15176141)	825101401

Optional accessories		
Fiber light cable bndl consisting of: Fiber light cable Ø 2.5 mm TL 2.3 m (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231
Accessories and auxiliary instruments		see THORAX7
Bronchoscope / tracheoscope tubes Texas model		see THORAX10

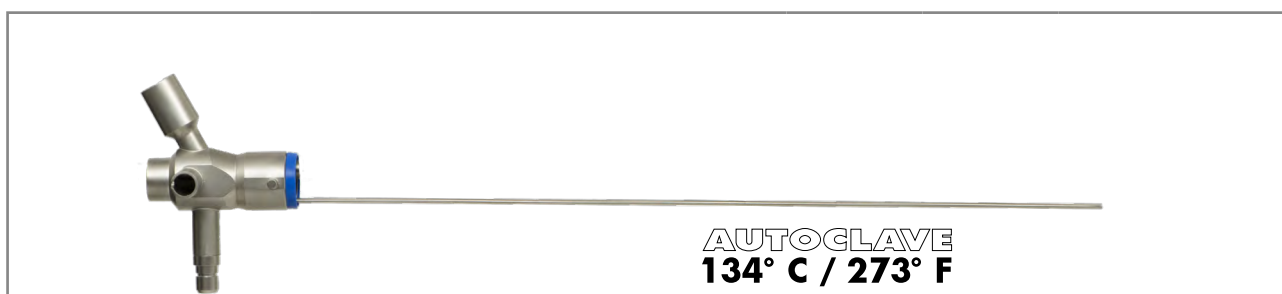
OPTICAL BRONCHOSCOPE

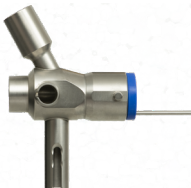
TEXAS MODEL

ACCESSORIES AND AUXILIARY INSTRUMENTS

Recommended accessories		Outer Ø	WL	Product no.
		Grasping forceps WL 465 mm, serrated		8280.41
		Universal forceps WL 465 mm, serrated		8280.42
		Biopsy forceps WL 460 mm, smooth		8280.43
		Grasping forceps WL 465 mm		8280.47
		Sealing cap for bronch. with telescope sealing cap for telescopes Ø 5.5 mm		8020.18
		Sealing cap for bronch. with telescope sealing cap for telescopes Ø 4 mm, 3.4 mm, and 2.7 mm		8021.18
		Uni. sealing cap for bronch.		8020.15
	8283.502	Respiration adapter jet ventilation bndl consisting of: Respiration adapter for jet ventilation (8238.502) and Luer connector (15401.071)		8238.5021
	15401.071			
		Laser guide tube ID 0.8 mm WL 450 mm for laser fibers up to 600 µm, distally curved		82510.0011
For optic element bundle (825101401): Protection sleeve, bndl for transportation, reprocessing, and sterilization				15208.289
		Container (WxHxD): 500x60x200 mm		33024
		Perforated basket for small parts (W x H x D): 128 x 35 x 121 mm		33006

BRONCHOSCOPE TEXAS MODEL



		Inner Ø	TL	Product no.
	Head system for TEXAS bronchoscope with distal illumination	14.0 mm	372 mm	825101100
	Head system for TEXAS bronchoscope with proximal illumination	14.0 mm	373 mm	825101200

Optional accessories	
Accessories and auxiliary instruments	see THORAX9

BRONCHOSCOPE TEXAS MODEL ACCESSORIES AND AUXILIARY INSTRUMENTS

Recommended accessories		Product no.
	Sealing cap with monitoring window	8205.12
	Sealing cap (blue)	8205.13
	Sealing cap for bronch. with telescope sealing cap for telescopes Ø 5.5 mm	8020.18
	Sealing cap for bronch. with telescope sealing cap for telescopes Ø 4 mm, 3.4 mm, and 2.7 mm	8021.18
	Uni. sealing cap for bronch.	8020.15
 8283.502	Respiration adapter jet ventilation bndI consisting of: Respiration adapter for jet ventilation (8238.502) and Luer connector (15401.071)	8238.5021
 15401.071		
	Illumination insert	8217.12
	Sealing plugs TL 25 mm	8256.99
	Endoscope-side adapter for connecting a STORZ light cable to WOLF endoscopes	8088.00
	Container (WxHxD): 500x60x200 mm	33024
	Perforated basket for small parts (W x H x D): 128 x 35 x 121 mm	33006

BRONCHOSCOPE / TRACHEOSCOPE TUBE TEXAS MODEL



TEXAS	Size / inner Ø	Inner Ø	Outer Ø	WL	TL (with adapted telescope element)	Product no.
Bronchoscope tube ID 9.2 mm	6 mm	9.2 mm	11.4 mm	306 mm	351 mm	82520.0641
Bronchoscope tube ID 11 mm	8 mm	11 mm	13.2 mm	312 mm	351 mm	82520.0841
Bronchoscope tube ID 11 mm without distal viewing window	8 mm	11 mm	13.2 mm	312 mm	351 mm	82520.0842*
Bronchoscope tube ID 13 mm	10 mm	13 mm	15.2 mm	318 mm	354 mm	82520.1041
Tracheoscope tube ID 15 mm	12 mm	15 mm	17.2 mm	325 mm	357 mm	82520.1241
Tracheoscope tube ID 17.1 mm	14 mm	17.1 mm	19.3 mm	331 mm	360 mm	82520.1441



TEXAS	Size / Inner Ø	Inner Ø	Outer Ø	WL	TL (with adapted telescope element)	Product no.
Tracheoscope tube ID 11 mm	8 mm	11 mm	13.2 mm	295.5 mm	338 mm	825210830
Tracheoscope tube ID 13 mm	10 mm	13 mm	15.2 mm	299 mm	338 mm	825211030
Tracheoscope tube ID 15 mm	12 mm	15 mm	17 mm	301 mm	337 mm	825211230
Tracheoscope tube ID 17 mm	14 mm	18 mm	18 mm	304 mm	337 mm	825211430

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ENDOBRONCHIAL SHAVER BLADES

FOR GENTLE AND SAFE TISSUE RESECTION AND MUCUS REMOVAL



MOTOR CONTROL UNIT 2304
Power supply connection 50/60 Hz, 230 V
Includes power supply cable, CAN bus connection cable,
and packaging **2304.001**

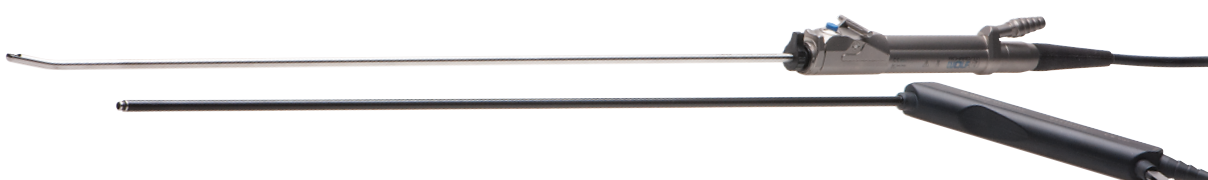
For connecting the motor handpieces M4, M5/0, M5/3, S1, and M1,
connection option for 2 handpieces and one footswitch, compatible with
core, dimensions (W x H x D): 330 x 155 x 365 mm

Recommended accessories		Product no.
Footswitch, 2 pedals		2304.901

				
For driving rotation tools with one function button			Ø for shaver tools	Product no.
Motor handpiece max. 3,000 rpm	with fixed connection cable, 3.0 m	Operation via ON/OFF button	2–3.5 mm	89951.0001

ENDOBONCHIAL SHAVER BLADES

FOR GENTLE AND SAFE TISSUE RESECTION AND MUCUS REMOVAL

				
	Reusable (1 pc)	WL	Ø	Product no.
	Resector, curved Ø 4.5 mm WL 460 mm	460 mm	4.5 mm	825620446
	Resector, curved, smooth Ø 4.5 mm WL 460 mm		4.5 mm	825610446
	Resector, aggressive Ø 5.5 mm WL 460 mm		5.5 mm	825630546
	Secretion remover Ø 5.5 mm WL 448 mm		2.0 mm	825640546
	HF coagulation suction tube OD 5.2 mm WL 460 mm		2.7 mm	844202110

Recommended accessories	Product no.
Optic element bundle Endoscope with fiber image guide, TEXAS model, DOV 12°, with integrated lens irrigation and protective sheath	82510.1400
Tracheoscope tube ID 11 mm for telescope element 82510.1400, OD 13.2 mm, WL 295.5 mm	825210830
Tracheoscope tube ID 13 mm for telescope element 82510.1400, OD 15.2 mm, WL 299 mm	825211030

ARTICULATED FORCEPS FOR RIGID BRONCHOSCOPY TIPCONTROL



TIPCONTROL

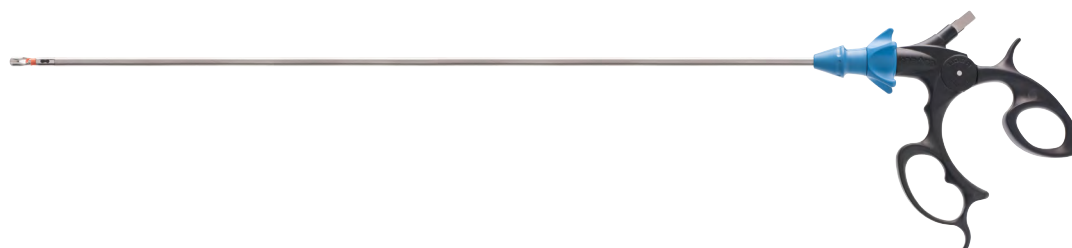
1.3

TipControl	Outer Ø	WL	TL	Product no.
Biopsy forceps Ø 5.2 mm 483 mm 	5.2 mm	483 mm	645 mm	823400001
Grasping forceps Ø 5.2 mm 485 mm 	5.2 mm	485 mm	647 mm	823400002
Scissors Ø 5.2 mm 482 mm 	5.2 mm	482 mm	644 mm	823400003

Optional accessories	Product no.
Luer sealing cap	15023205

BIPOLAR FORCEPS FOR EXCISIONAL BIOPSY FOR RIGID BRONCHOSCOPY

ERAGON bipolar



Jaw insert		Sheath tube Ø 5.5 mm SL 435 mm	Handle, pistol-shaped, bipo	Complete instrument • Jaw insert with sheath tube • Handle
		SL 435 mm	rotatable	
	Product no.	82340024	839300102	Product no.
Bipolar forceps bndl Ø 5.5 mm		82340014	•	•
				823400005

Optional accessories

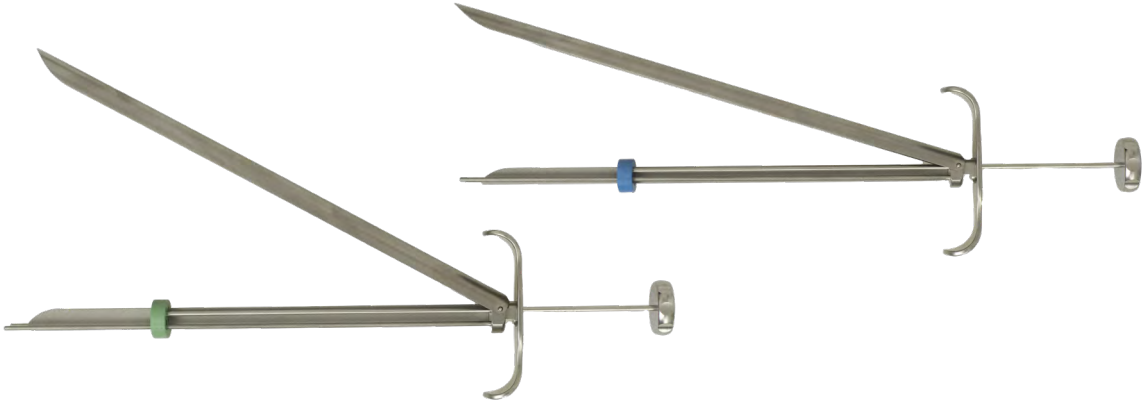
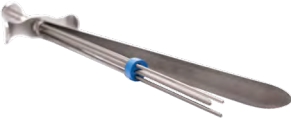
Bipolar connection cable

See THORAX109/110

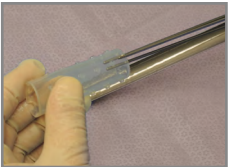
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STENT LOADING SYSTEM

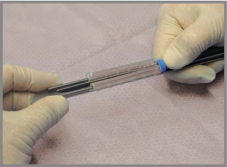
LOAD AND PLACE SILICON STENTS UNDER VISUAL CONTROL

			
		Product no.	
	Stent loading system ID1	for silicone stents up to size 15, blue color coding	825511030
	Stent loading system ID 2	for silicone stents from size 15, green color coding	825511230

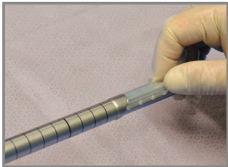
Inserting the stent



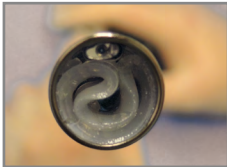
Folding the stent



Loading into the tube



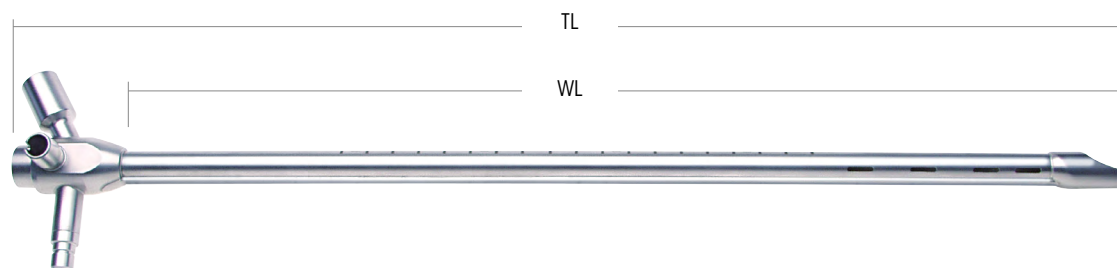
Position in the tube



BRONCHOSCOPE TUBE

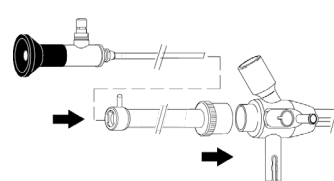
WOLF model

with distal illumination

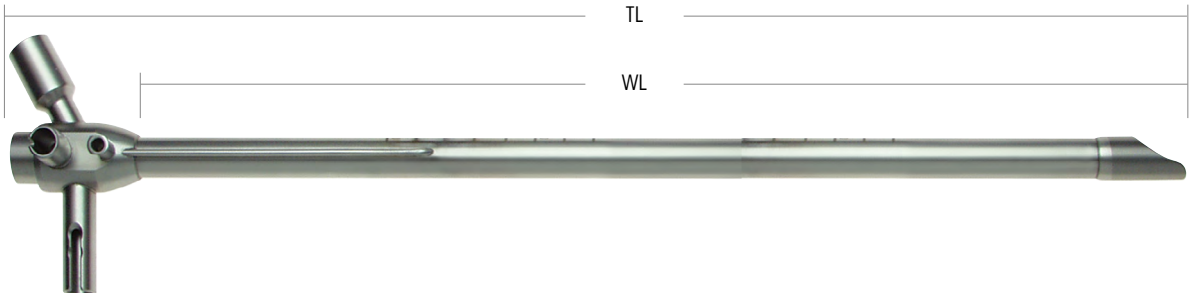


with fixed distal light carrier	Inner Ø	Outer Ø	WL	TL	Product no.
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 7.5 mm (8214.072) and sealing cap (8205.13*)	7.5 mm	8.5 mm	357 mm	400 mm	8214.0721
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 8.5 mm (8214.082) and sealing cap (8205.13*)	8.5 mm	9.5 mm		400 mm	8214.0821
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 7.5 mm (8214.092) and sealing cap (8205.13*)	9.5 mm	8.5 mm		400 mm	8214.0921
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 10.5 mm (8214.102) and sealing cap (8205.13*)	10.5 mm	11.5 mm	387 mm	430 mm	8214.1021

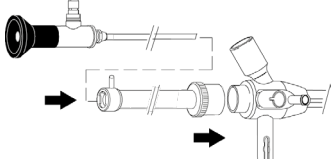
* for the lateral respiration nozzle.

Matching adapter for telescope			
Matching bronchoscope tube bndl	8214.1021	8214.0721 8214.0821 8214.0921	
Matching telescope 0° Ø 5.5 mm WL 488 mm	8465.30	8465.30 8465.30	
Adapter for telescope TL 94 mm	8215.714		
Adapter for telescope TL 124 mm		8215.715	

BRONCHOSCOPE TUBE HEMER MODEL

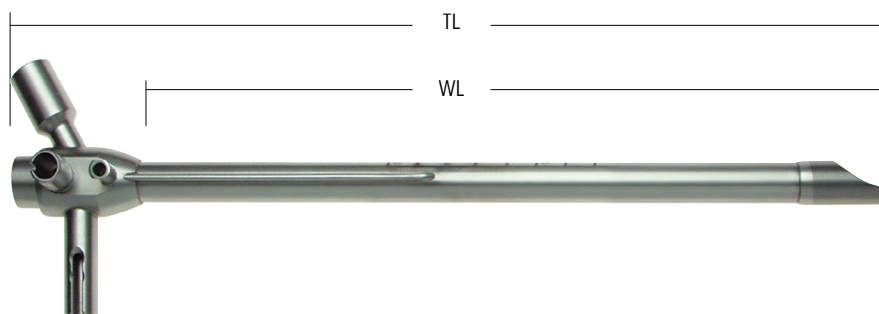
					
with proximal illumination and sampling channel, graduated	Inner Ø	Outer Ø	WL	TL	Product no.
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 6.5 mm (8214.064), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	6.5 mm	7.5 mm	357 mm	400 mm	8214.0641
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 7.5 mm (8214.074), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	7.5 mm	8.5 mm			8214.0741
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 8.5 mm (8214.084), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	8.5 mm	9.5 mm	387 mm	430 mm	8214.0841
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 9.5 mm (8214.094), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	9.5 mm	10.5 mm			8214.0941
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 10.5 mm (8214.104), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	10.5 mm	11.5 mm			8214.1041
Bronchoscope tube bndl consisting of: Bronchoscope tube ID 12 mm (8214.126), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	12.0 mm	13.0 mm			8214.1261

* for the lateral respiration nozzle.

Matching adapter for telescope				
Matching Bronchoscope tube bndl	8214.0841 8214.0941 8214.1041 8214.1261	8214.0641 8214.0741	8214.1241	
Matching telescope 0° Ø 5.5 mm WL 488 mm	8465.30	8465.30	8465.30	
Adapter for telescope TL 94 mm	8215.714			
Adapter for telescope TL 124 mm		8215.715		
Adapter for telescope TL 174 mm			8215.716	

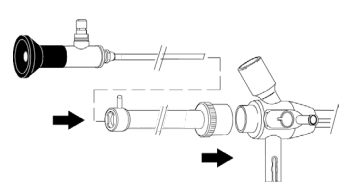
TRACHEOSCOPE TUBE

HEMER MODEL



with proximal illumination and sampling channel, graduated	Inner Ø	Outer Ø	WL	TL	Product no.
Tracheoscope tube bndI consisting of: Tracheoscope tube ID 12 mm (8214.124) Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	12 mm	13 mm	307 mm	350 mm	8214.1241
Tracheoscope tube bndI consisting of: Tracheoscope tube ID 12 m (8214.128), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	12 mm	13 mm	257 mm	300 mm	8214.1281
Tracheoscope tube bndI consisting of: Tracheoscope tube ID 14 mm (8214.144), Luer sealing cap (15023205), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	14 mm	15 mm		300 mm	8214.1441

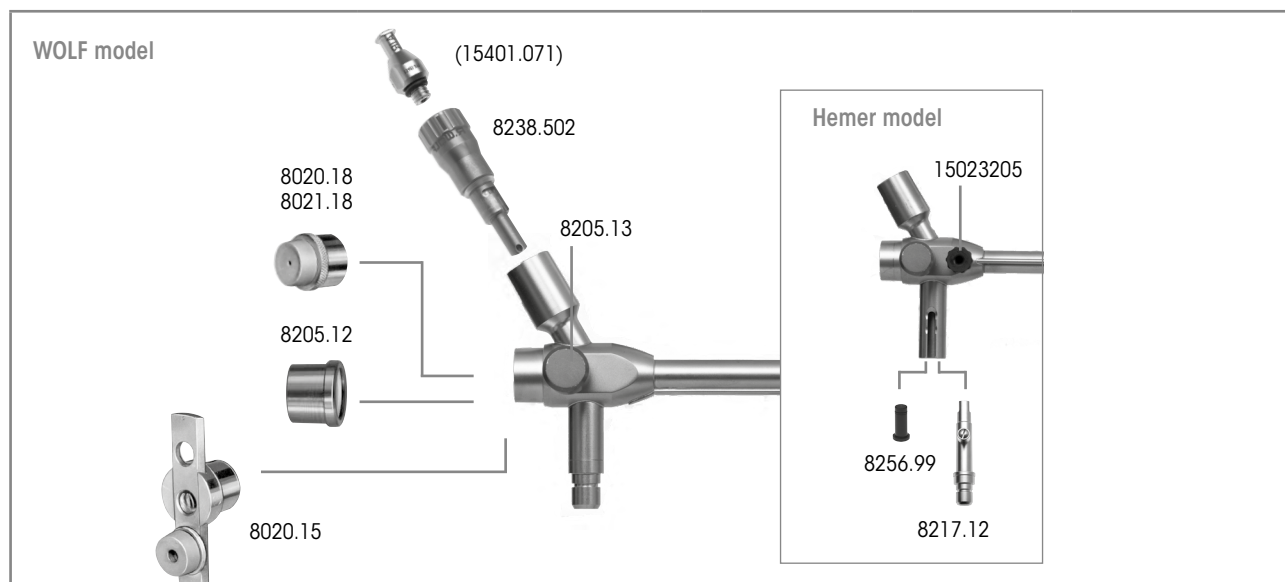
* for the lateral respiration nozzle.

Matching adapter for telescope		
Matching tracheoscope tube bndI	8214.1281 8214.1441	
Matching telescope 0° Ø 5.5 mm WL 488 mm	8465.30	
Adapter for telescope TL 211 mm	8215.713	

WOLF MODEL BRONCHOSCOPE TUBE

HEMER MODEL BRONCHOSCOPE / TRACHEOSCOPE TUBE

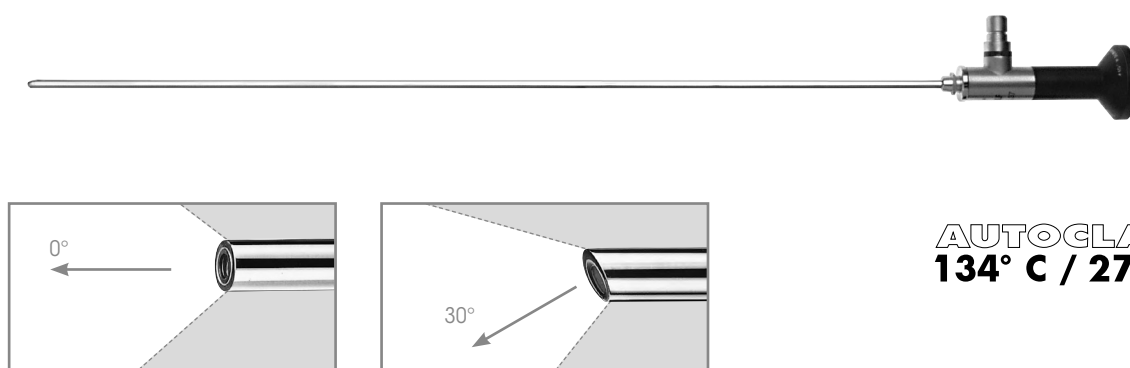
ACCESSORIES AND AUXILIARY INSTRUMENTS



Recommended accessories		Product no.
	Sealing cap with monitoring window	8205.12
	Sealing cap (blue)	8205.13
	Luer sealing cap	15023205
	Sealing cap for bronchoscope with telescope sealing cap for telescopes Ø 5.5 mm	8020.18
	Sealing cap for bronchoscope with telescope sealing cap for telescopes Ø 4 mm, 3.4 mm, and 2.7 mm	8021.18
	Uni. sealing cap for bronchoscope	8020.15
 8238.502	Respiration adapter jet ventilation bndl consisting of:	8238.5021
 15401.071	Respiration adapter for jet ventilation (8238.502) and Luer connector (15401.071)	
	Illumination insert	8217.12
	Endoscope-side adapter for connecting a WOLF light cable to WOLF endoscopes (only with models 82514.xxx in connection with 8217.12)	8095.00
	Sealing plugs TL 25 mm	8256.99
	(W x H x D) 500 x 60 x 200 mm	33024
	Perforated basket for small parts (W x H x D): 128 x 35 x 121 mm	33006

PANOVIEW TELESCOPE

Ø 3.4 MM / Ø 4.0 MM / Ø 5.5 MM

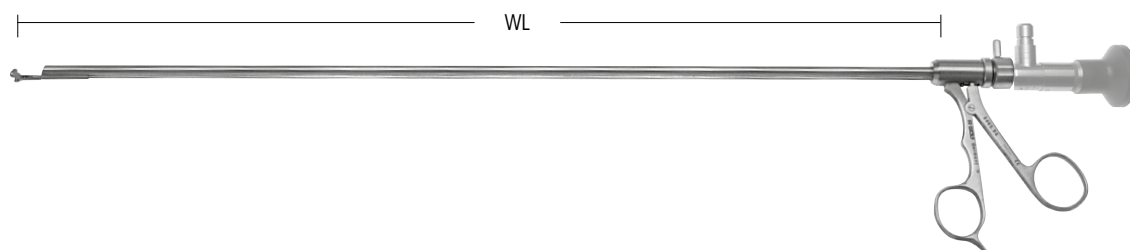


	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 3.4 mm WL 378 mm	0°	378 mm	457 mm	3.4 mm	8464.30
PANOVIEW PLUS Telescope 0° Ø 4 mm WL 519 mm	0°	519 mm	595 mm	4.0 mm	82514.431
PANOVIEW PLUS Telescope 30° Ø 4 mm WL 519 mm	30°				82514.433
PANOVIEW Telescope 0° Ø 5.5 mm WL 488 mm	0°	488 mm	564 mm	5.5 mm	8465.30
PANOVIEW Telescope 30° Ø 5.5 mm WL 489 mm	30°	489 mm	565 mm		8465.32

Recommended accessories		Product no.
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Perforated basket for standard telescope 3	(W x H x D) 619 x 54 x 59 mm	38017
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

OPTICAL FORCEPS

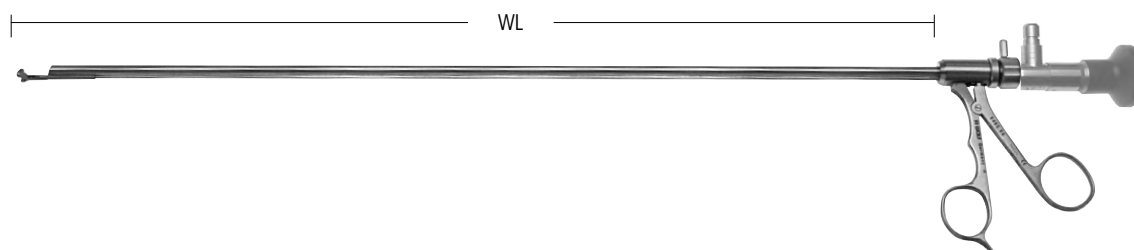
FOR BRONCHOSCOPE TUBE AND Ø 3.4 MM TELESCOPE



	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Pike-mouth grasping forceps Ø 3.5 mm TL 420 mm Jaw section curved upward 	359 mm	3.5 mm	5.5 mm	Hemer model 8214.1241 (ID 12.0) 8241.1281 (ID 12.0) 8214.1441 (ID 14.0) Pediatric bronchoscope tubes 82510.5530 (ID 5.7) 82514.6030 (ID 6.2) 82510.6035 (ID 6.2) 82510.65351 (ID 6.7) 82514.65351 (ID 6.7)	8464.30	8464.61
Biopsy forceps Ø 3.5 mm TL 420 mm with double spoon jaw 	359 mm	3.5 mm	5.5 mm			8464.63
Biopsy forceps Ø 3.5 mm TL 420 mm with retrograde spoon jaw 	359 mm	3.5 mm	5.5 mm			8464.64
Opt. grasping forceps WL 358 mm Straight jaw section 	358 mm	3.4 mm	5.4 mm			82530.0404
Opt. universal forceps WL 358 mm Jaw section curved upward 	358 mm	3.4 mm	5.4 mm			82530.0405

OPTICAL FORCEPS

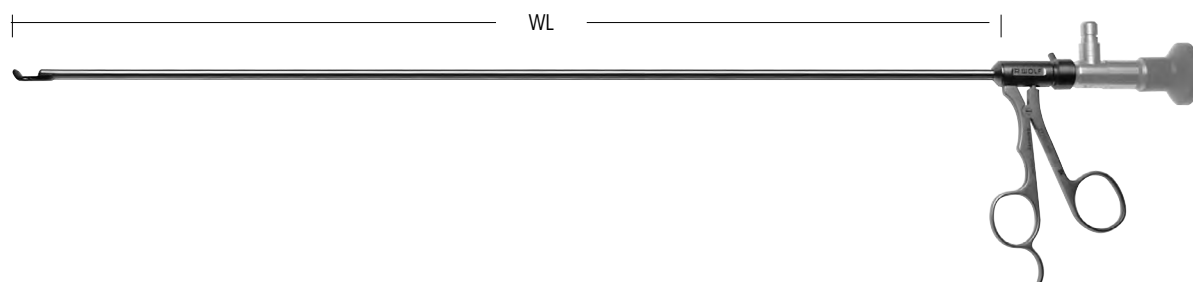
FOR BRONCHOSCOPE TUBE AND Ø 4.0 MM TELESCOPE



	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Opt. grasping forceps WL 473 mm Jaw section curved upward 	473 mm	5.6 mm	8.4 mm	Hemer model 8214.0841 (ID 8.5) 8214.0941 (ID 9.5) 8214.1041 (ID 10.5) 8214.1241 (ID 12.0) 8214.1261 (ID 12.0) 8241.1281 (ID 12.0) 8214.1441 (ID 14.0)	8465.30	8465.61
Opt. biopsy forceps WL 472 mm Straight jaw section 	472 mm	5.6 mm	8.4 mm	Wolf model 8214.0821 (ID 8.5) 8214.0921 (ID 9.5) 8214.1021 (ID 10.5)		8465.63
Opt. biopsy forceps WL 473 mm Jaw section retrograde 	473 mm	5.6 mm	8.4 mm			8465.64

OPTICAL FORCEPS

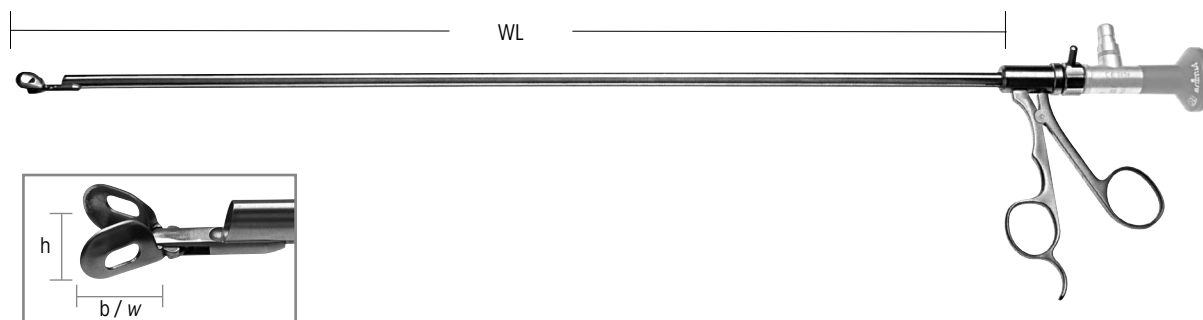
FOR BRONCHOSCOPE TUBE AND Ø 4.0 MM TELESCOPE



	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Opt. biopsy forceps WL 500 mm Jaw section curved upward 	500 mm	4.1 mm	6.4 mm	Hemer model 8214.0641 (ID 6.5) 8214.0741 (ID 7.5) 8214.0841 (ID 8.5) 8214.0941 (ID 9.5) 8214.1041 (ID 10.5) 8214.1241 (ID 12.0) 8214.1261 (ID 12.0) 8241.1281 (ID 12.0) 8214.1441 (ID 14.0) Wolf model 8214.0721 (ID 7.5) 8214.0821 (ID 8.5) 8214.0921 (ID 9.5) 8214.1021 (ID 10.5) Pediatric bronchoscope tubes 82510.65351 (ID 6.7) 82514.65351 (ID 6.7)	82514.431	82530.0701
Opt. biopsy forceps WL 498 mm Jaw section retrograde and curved upward 	498 mm	4.1 mm	6.4 mm			82530.0702
Opt. grasping forceps WL 500 mm Jaw section curved upward 	500 mm	4.1 mm	6.4 mm			82530.0703
Opt. grasping forceps WL 504 mm Straight jaw section 	504 mm	4.1 mm	6.4 mm			82530.0704
Opt. grasping forceps WL 500 mm Jaw section curved upward 	500 mm	4.1 mm	6.4 mm			82530.0705

OPTICAL FORCEPS

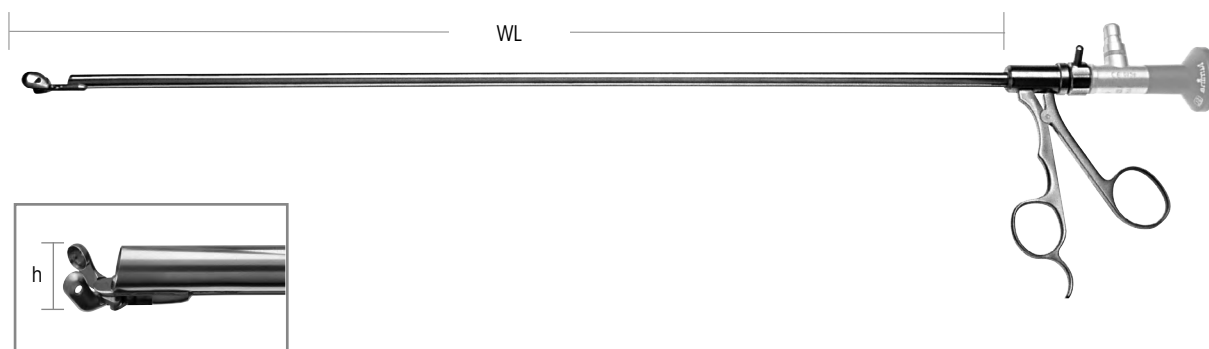
FOR BRONCHOSCOPE TUBE AND Ø 5.5 MM TELESCOPE



	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Opt. biopsy forceps WL 474 mm Reichle, straight jaw section Bagger XL 	474 mm	5.6 mm	8.5 mm	Hemer model 8214.0941 (ID 9.5) 8214.1041 (ID 10.5) 8214.1241 (ID 12.0) 8214.1261 (ID 12.0) 8241.1281 (ID 12.0) 8214.1441 (ID 14.0) Wolf model 8214.0921 (ID 9.5) 8214.1021 (ID 10.5)	82514.431	8466.651
Opt. biopsy forceps WL 478 mm Reichle, straight jaw section Bagger XXL 	478 mm	5.6 mm	9.0 mm			8466.652
Opt. grasping forceps WL 479 mm Reichle, straight jaw section Grasper XXL 	479 mm	4.1 mm	8.4 mm			8466.653
Opt. grasping forceps WL 482 mm Straight jaw section Grasper 3XL 	482 mm	5.7 mm	Ø 10.5 mm			8466.654

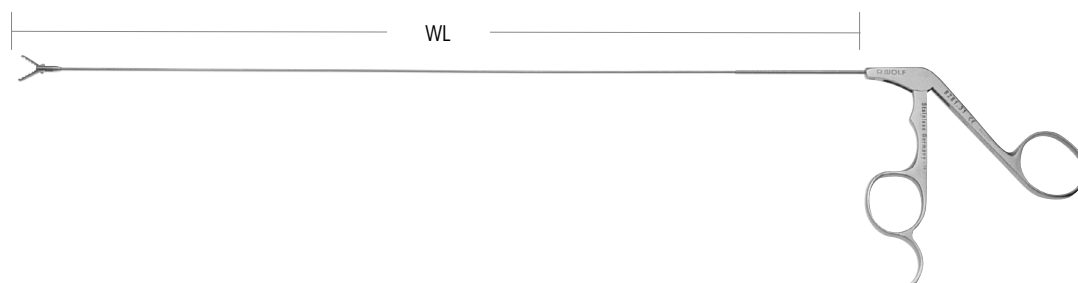
OPTICAL FORCEPS

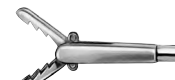
FOR BRONCHOSCOPE TUBE AND Ø 5.5 MM TELESCOPE



	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Opt. biopsy forceps WL 462 mm Jaw section curved upward 	462 mm	5.6 mm	8.4 mm	Hemer model 8214.0841 (ID 8.5) 8214.0941 (ID 9.5) 8214.1041 (ID 10.5) 8214.1241 (ID 12.0) 8214.1261 (ID 12.0) 8241.1281 (ID 12.0) 8214.1441 (ID 14.0) Wolf model 8214.0821 (ID 8.5) 8214.0921 (ID 9.5) 8214.1021 (ID 10.5)	82514.431	82530.0601
Opt. biopsy forceps WL 462 mm Jaw section retrograde and curved upward 	462 mm	5.6 mm	8.4 mm			82530.0602
Opt. grasping forceps WL 469 mm Straight jaw section  for soft foreign bodies	469 mm	5.6 mm	8.4 mm			82530.0604
Opt. universal forceps WL 464 mm Jaw section curved upward 	464 mm	5.6 mm	8.4 mm			82530.0605

BRONCHOSCOPE FORCEPS

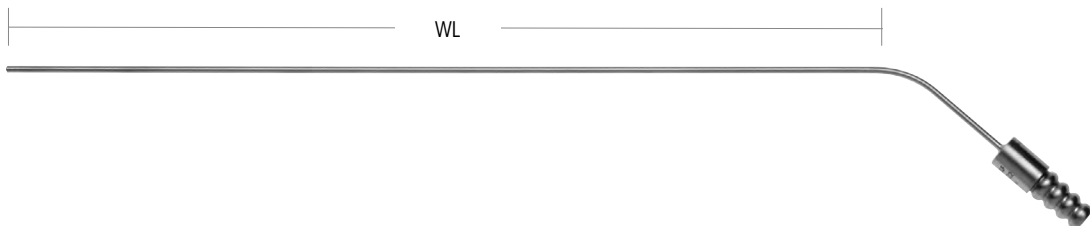


For bronchoscope tubes with inner Ø		≥ 6 mm	4 mm	≤ 4 mm	Product no.
	Grasping forceps WL 465 mm serrated	•			8280.41
	Foreign body grasping forceps Ø 3 mm serrated, TL 450 mm		•		8281.311
	Universal forceps WL 465 mm serrated	•			8280.42
	Biopsy forceps WL 460 mm smooth	•			8280.43
	Biopsy forceps WL 335 mm smooth			•	8282.33
	Spoon forceps WL 460 mm smooth	•			8280.44
	Tumor forceps WL 460 mm severing	•			8280.45
	Rotation forceps WL 465 mm for hard foreign bodies	•			8280.46
	Grasping forceps WL 465 mm rippled, for soft foreign bodies	•			8280.47
	Grasping forceps WL 365 mm rippled, for soft foreign bodies		•		8281.37
	Grasping forceps WL 330 mm rippled, for soft foreign bodies			•	8282.37
	Biopsy forceps WL 360 mm			•	8281.33

AUXILIARY INSTRUMENTS

ACCESSORIES FOR SUCTION AND IRRIGATION

		Ø	WL	Product no.
	Cotton swabs Ø 3.0 mm WL 350 mm	3.0 mm	350 mm	8295.35
	Cotton swabs Ø 3.0 mm WL 500 mm		500 mm	8295.50
	Cotton applicator Ø 3.4 mm WL 490 mm	3.4 mm	490 mm	8296.51

				
For suction and irrigation		Outer Ø	WL	Product no.
	Suction tube OD 4 mm WL 500 mm central, lateral openings, rigid	4.0 mm	500 mm	8291.45

AUXILIARY INSTRUMENTS

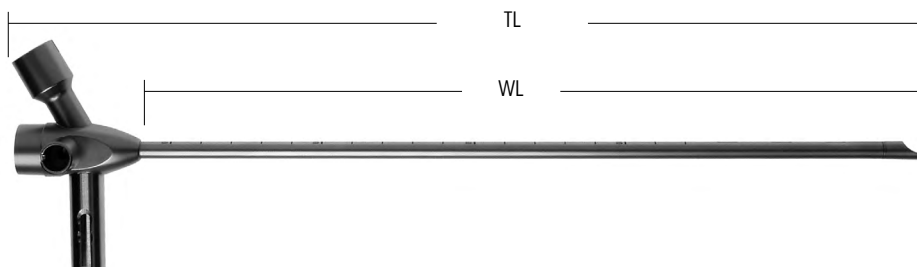
ACCESSORIES FOR SUCTION AND IRRIGATION

		Outer Ø	TL	Product no.
	Hand blower with disposable filter, sterile (PU = 5 PCS)	49 mm	567 mm	412700

THORACIC ENDOSCOPY

1	BRONCHOSCOPY
2	PEDIATRIC BRONCHOSCOPY
2.1	PEDIATRIC BRONCHOSCOPE TUBE
2.2	PANOVVIEW TELESCOPES
2.3	BRONCHOSCOPE FORCEPS
2.4	ACCESSORIES
3	THORACOSCOPY
4	MEDIASTINOSCOPY

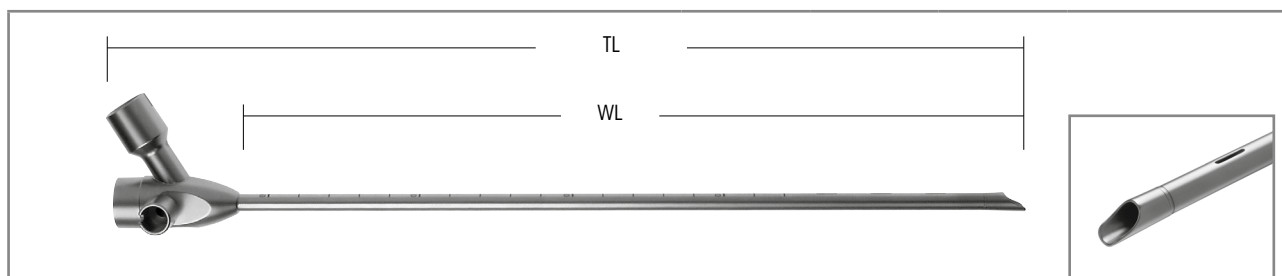
PEDIATRIC BRONCHOSCOPE TUBE MUNICH MODEL WITH PROXIMAL ILLUMINATION



	Inner Ø	Outer Ø	WL	TL	Product no.
For premature babies Bronchoscope tube bndl consisting of: Bronchoscope tube ID 2.8 mm (82514.2716) Sealing cap (8205.13*) and sealing plug TL 25 mm (8256.99)	2.8 mm	3.4 mm	122 mm	160 mm	82514.27161
For neonates Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.7 mm (82514.3520) Sealing cap (8205.13*) and sealing plug TL 25 mm (8256.99)	3.7 mm	4.3 mm	162 mm	200 mm	82514.35201
For newborns and infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.7 mm (82514.3528), sealing cap (8205.13*) and sealing plug TL 25 mm (8256.99)	3.7 mm	4.3 mm	242 mm	280 mm	82514.35281
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube 4.4 mm (82514.4025), sealing cap (8205.13*), and sealing plug TL 25 mm (8256.99)	4.4 mm	5.0 mm	210 mm	250 mm	82514.40251

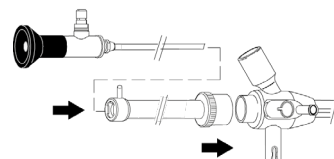
* for the lateral respiration nozzle.

PEDIATRIC BRONCHOSCOPE TUBE NICOLAI-MANTEL WITHOUT PROXIMAL ILLUMINATION



	Inner Ø	Outer Ø	WL	TL	Product no.
For premature babies Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.2 mm (82510.3016) and sealing cap (8205.13*)	3.2 mm	3.8 mm	122 mm	160 mm	82510.30161
For premature babies Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.2 mm (82510.3028) and sealing cap (8205.13*)	3.2 mm	3.8 mm	242 mm	280 mm	82510.30281
For neonates Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.7 mm (82510.3520) and sealing cap (8205.13*)	3.7 mm	4.3 mm	162 mm	200 mm	82510.35201
For newborns and infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 3.7 mm (82510.3528) and sealing cap (8205.13*)	3.7 mm	4.3 mm	242 mm	280 mm	82510.35281
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 4.4 mm (82510.4025) and sealing cap (8205.13*)	4.4 mm	5.0	212 mm	250 mm	82510.40251
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 4.4 mm (82510.4030) and sealing cap (8205.13*)	4.4 mm	5.0	262 mm	300 mm	82510.40301
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 4.7 mm (82510.4530) and sealing cap (8205.13*)	4.7 mm	5.3	262 mm	300 mm	82510.45301

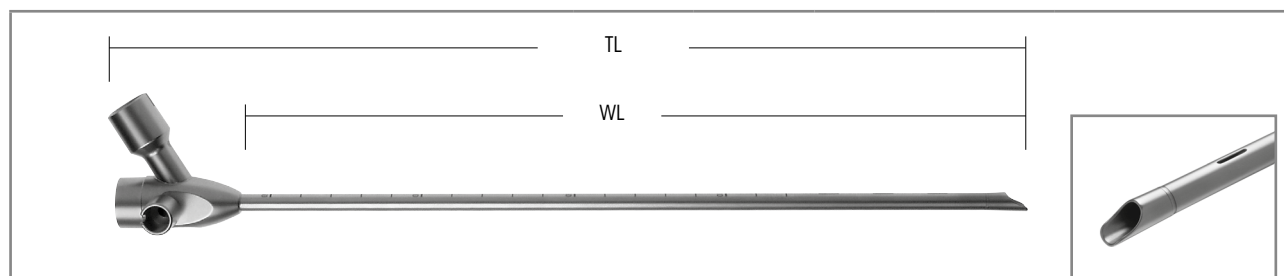
* for the lateral respiration nozzle.

Matching adapter for telescope		
Matching Bronchoscope tube bndl	82510.40301 82510.45301	
Matching telescope 0° Ø 5.5 mm WL 488 mm	8464.30	
Adapter for telescope TL 98 mm	8215.711	

PEDIATRIC BRONCHOSCOPE TUBE

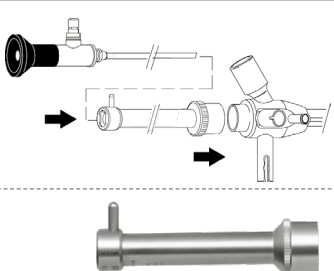
NICOLAI-MANTEL

WITHOUT PROXIMAL ILLUMINATION



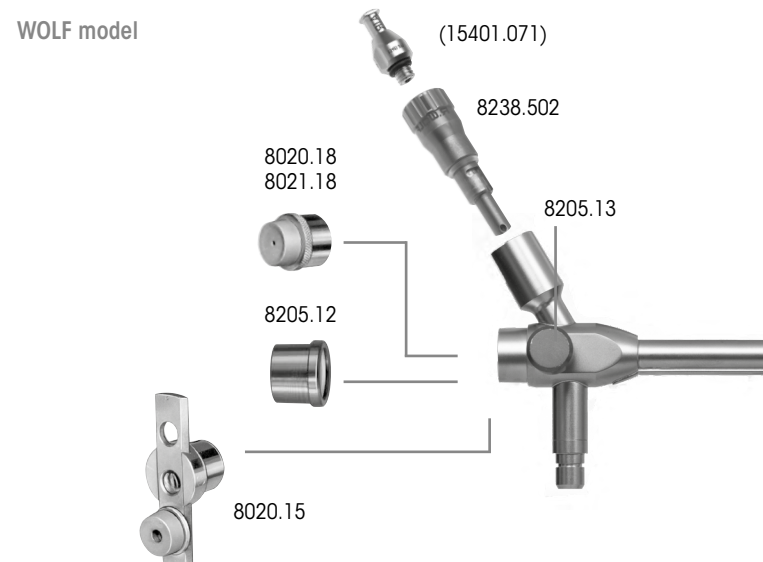
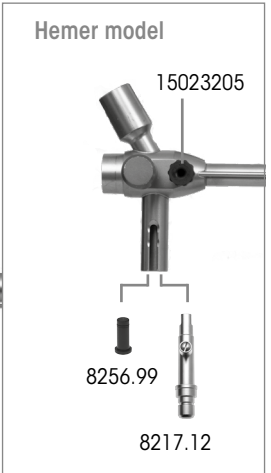
	Inner Ø	Outer Ø	WL	TL	Product no.
For infants and small children Bronchoscope tube bndl consisting of: Bronchoscope tube ID 4.7 mm (82510.4525) and sealing cap (8205.13*)	4.7 mm	5.3 mm	210 mm	250 mm	82510.45251
For infants and small children Bronchoscope tube bndl , distal, without slits, consisting of: Tracheoscope tube ID 4.7 mm (82510.4524) and sealing cap (8205.13*)	4.7 mm	5.3 mm	210 mm	250 mm	82510.45241
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 5.2 mm (82510.5025) and sealing cap (8205.13*)	5.2 mm	5.8 mm	210 mm	250 mm	82510.50251
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 5.2 mm (82510.5030) and sealing cap (8205.13*)	5.2 mm	5.8 mm	260 mm	300 mm	82510.50301
For children under 10 years of age Bronchoscope tube bndl consisting of: Bronchoscope tube ID 5.7 mm (82510.5530) and sealing cap (8205.13*)	5.7 mm	6.3 mm	260 mm	300 mm	82510.55301
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 6.2 mm (82510.6035) and sealing cap (8205.13*)	6.2 mm	6.8 mm	310 mm	350 mm	82510.60351
For infants Bronchoscope tube bndl consisting of: Bronchoscope tube ID 6.7 mm (82510.6535) and sealing cap (8205.13*)	6.7 mm	7.3 mm	310 mm	350 mm	82510.65351

* for the lateral respiration nozzle.

Matching adapter for telescope				
Matching bronchoscope tube bndl	82510.50301 82510.55301	82510.55301	82510.60351 82510.65351	
Matching telescope 0° Ø 5.5 mm WL 488 mm	8464.30	8465.30	8465.30	
Adapter for telescope TL 98 mm	8215.711			
Adapter for telescope TL 211 mm		8215.713		
Adapter for telescope TL 174 mm			8215.716	

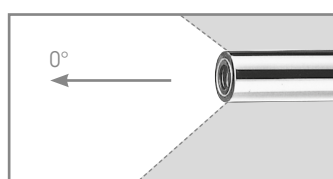
PEDIATRIC BRONCHOSCOPE TUBES

ACCESSORIES AND AUXILIARY INSTRUMENTS

WOLF model		Hemer model	
			
Recommended accessories		Product no.	
	Sealing cap with monitoring window	8205.12	
	Sealing cap (blue)	8205.13	
	Luer sealing cap	15023205	
	Sealing cap for bronchoscope with telescope sealing cap for telescopes Ø 5.5 mm	8020.18	
	Sealing cap for bronchoscope with telescope sealing cap for telescopes Ø 4 mm, 3.4 mm, and 2.7 mm	8021.18	
	Uni. sealing cap for bronchoscope	8020.15	
 8283.502	Respiration adapter jet ventilation bndl consisting of: Respiration adapter for jet ventilation (8238.502) and Luer connector (15401.071)	8238.5021	
 15401.071			
	Illumination insert	8217.12	
	Endoscope-side adapter for connecting a WOLF light cable to WOLF endoscopes (only with models 82514.xxx in connection with 8217.12)	8095.00	
	Sealing plugs TL 25 mm	8256.99	
	(W x H x D) 500 x 60 x 200 mm	33024	
	Perforated basket for small parts (W x H x D): 128 x 35 x 121 mm	33006	

TELESCOPE

Ø 2.0 MM, SEMI-RIGID



AUTOCLAVE
134° C / 273° F



	Direction of view	WL	TL	Ø	Product no.
Telescope 0° Ø 2 mm WL 296 mm semi-rigid	0°	296 mm	388 mm	2.0 mm	82512.431

Recommended accessories	Product no.	
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

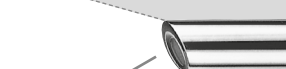
PANOVIEW TELESCOPE

Ø 2.7 MM FOR PEDIATRIC BRONCHOSCOPES WITH A LENGTH UP TO 160 MM

Ø 4.0 MM FOR PEDIATRIC BRONCHOSCOPES WITH A LENGTH UP TO 160 MM



AUTOCLAVE
134° C / 273° F

Direction of view	Ø 2.7 mm	Ø	WL	TL	Product no.
	PANOVIEW Telescope 0° Ø 2.7 mm WL 182 mm	2.7 mm	182 mm	249 mm	8672.421
	PANOVIEW Telescope 30° Ø 2.7 mm WL 182 mm		182 mm	247 mm	8672.422
	PANOVIEW Telescope 70° Ø 2.7 mm WL 185 mm		185 mm	247 mm	8672.425
Direction of view	Ø 4.0 mm	Ø	WL	TL	Product no.
	PANOVIEW Telescope 0° Ø 4 mm WL 298 mm	4.0 mm	298 mm	365 mm	8650.414
	PANOVIEW Telescope 30° Ø 4 mm WL 300 mm		300 mm	247 mm	8654.422
	PANOVIEW Telescope 70° Ø 4 mm WL 302 mm		302 mm	247 mm	8650.415

Recommended accessories	Product no.
Perforated basket for standard telescope 1	(W x H x D) 297 x 54 x 59 mm 38015
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm 38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long 806625231

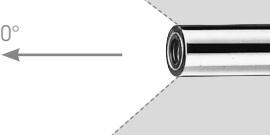
PANOVIEW TELESCOPE

Ø 2.7 mm FOR PEDIATRIC BRONCHOSCOPES WITH A LENGTH UP TO 280 mm

Ø 3.4 mm FOR PEDIATRIC BRONCHOSCOPES WITH A LENGTH UP TO 350 mm

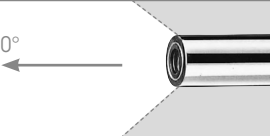


**AUTOCLAVE
134° C / 273° F**

Direction of view		Ø	WL	TL	Product no.
	PANOVIEW Telescope 0° Ø 2.7 mm WL 310 mm	2.7 mm	310 mm	371 mm	8462.30



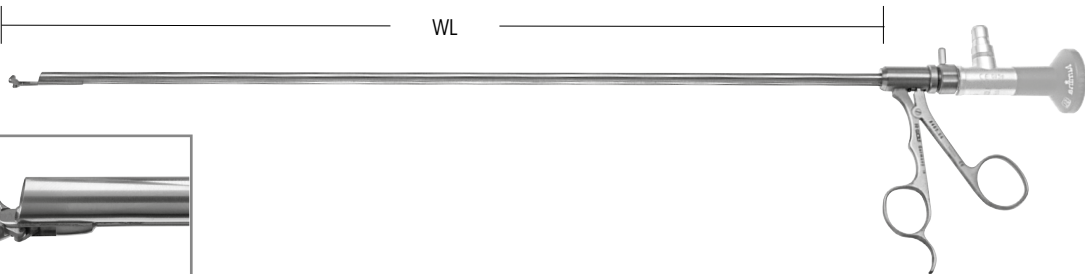
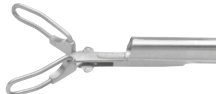
**AUTOCLAVE
134° C / 273° F**

Direction of view		Ø	WL	TL	Product no.
	PANOVIEW Telescope 0° Ø 3.4 mm WL 378 mm	3.4 mm	378 mm	457 mm	8464.30

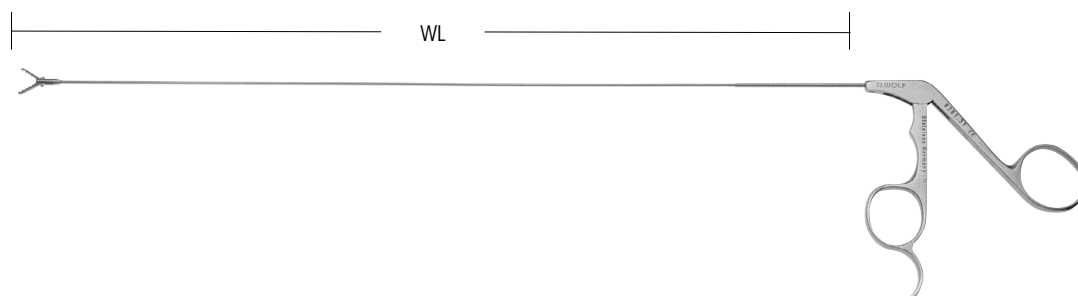
Recommended accessories		Product no.
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

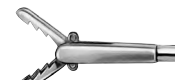
OPTICAL FORCEPS

FOR BRONCHOSCOPE TUBE AND Ø 2.7 / Ø 3.4 MM TELESCOPE

h WL 						
	WL	Inner Ø	Height	Matching bronchoscope tubes	Matching telescope	Product no.
Opt. universal forceps WL 294 mm Jaw section curved upward 	294 mm	2.8 mm	4.7 mm	82510.4524 (ID 4.7) 82510.4525 (ID 4.7) 82510.5025 (ID 5.2)	8462.30	8462.62
Opt. grasping forceps WL 299 mm Straight jaw section 	299 mm	2.8 mm	4.2 mm	82510.4025 (ID 4.4) 82510.4525 (ID 4.7) 82510.4524 (ID 4.7) 82510.5025 (ID 5.2)		8462.64
Pike-mouth grasping forceps Ø 3.5 mm TL 420 mm, curved upward 	359 mm	3.5 mm	5.5 mm	82510.4025 (ID 4.4) 82510.4525 (ID 4.7) 82510.4524 (ID 4.7) 82510.5025 (ID 5.2)	8464.30	8464.61
Biopsy forceps Ø 3.5 mm TL 420 mm with double spoon jaw 	359 mm	3.5 mm	5.5 mm	82510.5530 (ID 5.7) 82510.6030 (ID 6.2) 82510.6035 (ID 6.2) 82510.6535 (ID 6.7)		8464.63
Biopsy forceps Ø 3.5 mm TL 420 mm with retrograde double spoon jaw 	359 mm	3.5 mm	5.5 mm			8464.64
Opt. grasping forceps WL 358 mm Straight jaw section 	358 mm	3.4 mm	5.5 mm			82530.0404
Opt. universal forceps WL 358 mm Jaw section curved upward 	355 mm	3.4 mm	5.5 mm			82530.0405

BRONCHOSCOPE FORCEPS



For bronchoscope tubes with inner Ø		≥ 6 mm	4 mm	≤ 4 mm	Product no.
	Grasping forceps WL 465 mm serrated	•			8280.41
	Foreign body grasping forceps Ø 3 mm serrated, TL 450 mm		•		8281.311
	Universal forceps WL 465 mm serrated	•			8280.42
	Biopsy forceps WL 460 mm smooth	•			8280.43
	Biopsy forceps WL 335 mm smooth			•	8282.33
	Spoon forceps WL 460 mm smooth	•			8280.44
	Tumor forceps WL 460 mm severing	•			8280.45
	Rotation forceps WL 465 mm for hard foreign bodies	•			8280.46
	Grasping forceps WL 465 mm rippled, for soft foreign bodies	•			8280.47
	Grasping forceps WL 365 mm rippled, for soft foreign bodies		•		8281.37
	Grasping forceps WL 330 mm rippled, for soft foreign bodies			•	8282.37
	Biopsy forceps WL 360 mm			•	8281.33

ACCESSORIES

FOR PEDIATRIC BRONCHOSCOPE TUBES

			
		WL	Product no.
	Magnetic extractor WL 510 mm for removing magnetizable foreign bodies	510 mm	8250.01

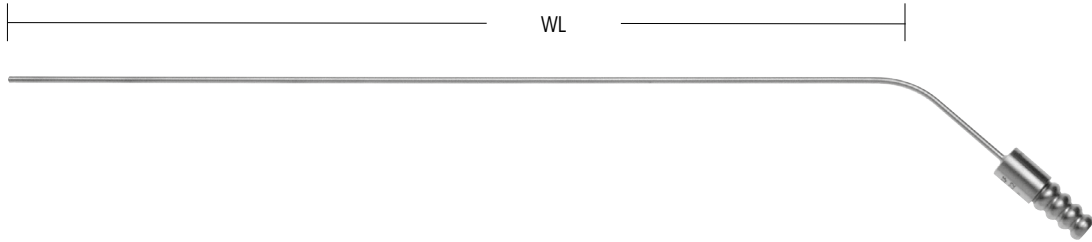
			
		WL	Product no.
	Extractor WL 470 mm for removing soft foreign bodies that are hard to grasp (miniature corkscrew)	470 mm	8250.10

		Ø	WL	Product no.
	Cotton swabs Ø 3.0 mm WL 350 mm	3.0 mm	350 mm	8295.35
	Cotton swabs Ø 3.0 mm WL 500 mm		500 mm	8295.50
	Cotton applicator Ø 3.4 mm WL 490 mm	3.4 mm	490 mm	8296.51

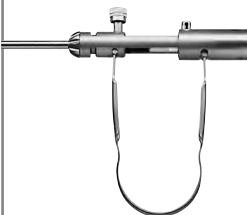
ACCESSORIES

FOR SUCTION AND IRRIGATION

		Outer Ø	TL	Product no.
	Hand blower with disposable filter, sterile (PU = 5 PCS)	49 mm	567 mm	412700

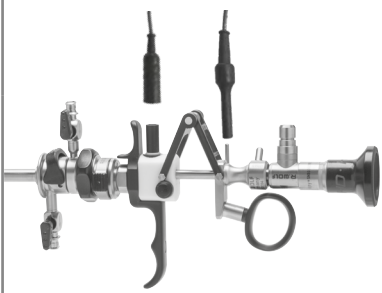
				
For suction and irrigation		Outer Ø	WL	Product no.
	Suction tube OD 2 mm WL 250 mm central, lateral openings, rigid	2.0 mm	250 mm	8291.22
	Suction tube OD 2.5 mm WL 250 mm central, lateral openings, rigid	2.5 mm	250 mm	8291.23
	Suction tube OD 3 mm WL 250 mm central, lateral openings, rigid	3.0 mm	250 mm	8291.24
	Suction tube, bipo Ø 3.2 mm WL 240 mm	3.2 mm	240 mm	8298.24
for this:	Bipolar connection cable		See THORAX109/110	

BIPO HF CONNECTION CABLE 8108XXX

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

HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

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

THORACIC ENDOSCOPY

1	BRONCHOSCOPY
2	PEDIATRIC BRONCHOSCOPY
3	THORACOSCOPY
3.1	MINI OR ENDOSCOPE / PANOVVIEW TELESCOPES
3.2	TROCAR SLEEVES
3.3	SURGICAL PROBES / VESSEL CLAMP/PARENCHYMA FORCEPS / LUNG GRASPING FORCEPS
3.4	ERAGONMODULAR INSTRUMENTS
3.5	SCISSORS / TISSUE RETRACTORS
3.6	ACCESSORIES FOR SUCTION AND IRRIGATION
3.7	MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM
3.8	ELECTRODES
3.9	NEEDLE HOLDERS / KNOT PUSHERS / CANNULAS / SPONGE FORCEPS
3.10	BEE-SYSTEM II BATTERY-POWERED MACHINES
3.11	HF CONNECTION CABLE (MONOPOLAR / BIPOLAR)
4	MEDIASTINOSCOPY

BASIC SET

MINI THORASCOPY SET

FOR SINGLE-PORT TECHNOLOGY

Product	Product no.	Quantity	Catalog/Section
OR endoscope bndl consisting of:	8920.4011		Thoracic endoscopy / 3
OR endoscope 0° Ø 5.5 mm SL 215 mm	8920.401	1	Thoracic endoscopy / 3
Autom. sealing element ID 5.7 mm 8920.311	8920.311		Thoracic endoscopy / 3
Sealing membrane Ø 17 mm (PU = 10 pcs)	89.103	1	Thoracic endoscopy / 3
Sealing cap, red-orange	15176.020		Thoracic endoscopy / 3
Trocar sleeve straight capacity 5.8 mm WL 62 mm	8905.331	1	Thoracic endoscopy / 3
Trocar tip blunt SZ 5.5 mm WL 80 mm, tip tapered / blunt	8905.3315	1	Thoracic endoscopy / 3
Trocar sleeve, straight, capacity 5.7 mm WL 60 mm	8906.051	1	Thoracic endoscopy / 3
Trocar tip dull SZ 5.5 mm WL 83 mm, tip tapered / blunt	8906.151		Thoracic endoscopy / 3
Double spoon forceps mono Ø 3.5 mm bndl	83912167	1	Thoracic endoscopy / 3
Hook electrode mono Ø 3.5 mm WL 310 mm	8379.452	1	Laparoscopy / Electrodes
Coagulation electrode mono Ø 3.5 mm WL 310 mm	8379.462	1	Laparoscopy / Electrodes
Surgical probe 3.5 mm WL 250 mm	8379.672	1	Laparoscopy / Probes
Saugrohr AD 2,8 mm NL 450 mm	8380.68	1	Thoracic endoscopy / 3
alos:			
Fiber light cable bndl	806625231	1	Thoracic endoscopy / 3
Reprocessing basket	38008	1	Thoracic endoscopy / 3

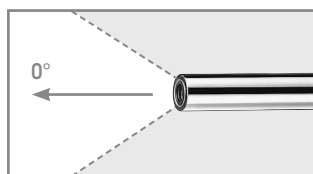
* Suitable pleurodesis sets are available on the market, e.g. STERITALC PF3 from Novatech

MINI THORACOSCOPE FOR SINGLE PORT TECHNOLOGY

5.5 MM WITH 3.5 MM WORKING CHANNEL

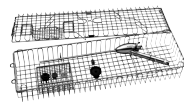
MINI THORACOSCOPE

3.1

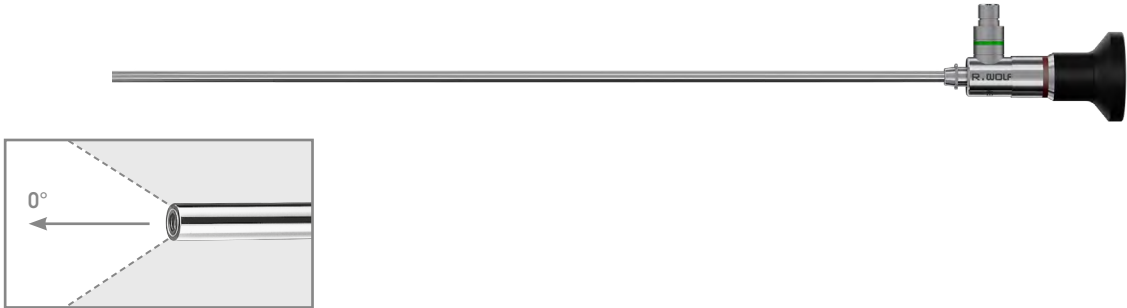


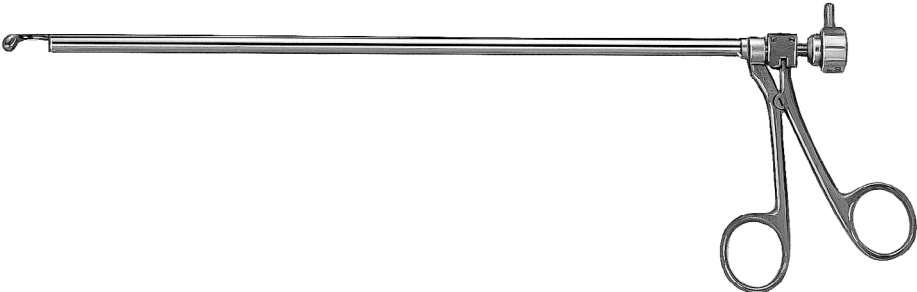
AUTOCLAVE
134° C / 273° F

	Direction of view	SL	TL	Ø	Working channel Ø	Product no.
OR endoscope bndl consisting of: OR endoscope 0° Ø 5.5 mm SL 215 mm (8920.401) Autom. sealing element ID 5.7 mm (8920.311) Sealing cap, red-orange (15176.020) Sealing membrane Ø 17 mm (PU = 10 PCS) (89.103)	0°	215 mm	370 mm	5.5 mm	3.5 mm	8920.4011

Recommended accessories		Product no.
Trocar sleeve straight capacity 5.8 mm WL 62 mm also: Trocar tip blunt SZ 5.5 mm WL 80 mm tip tapered / blunt		8905.331
		8905.3315
Trocar sleeve, straight, capacity 5.7 mm WL 60 mm also: Trocar tip dull SZ 5.5 mm WL 83mm, tip tapered / blunt		8906.051
		8906.151
Perforated basket for telescope Dimensions (W x L x H): 132 x 467 x 75 mm		38008
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

PANOVIEW TELESCOPE Ø 4.0 mm OPTICAL FORCEPS FOR PANOVIEW TELESCOPE

					
	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 4 mm WL 289 mm	0°	298 mm	365 mm	4.0 mm	8650.414

				
		Outer Ø	WL	Product no.
	Opt. grasping forceps Ø 7 mm WL 281 mm smooth, with double spoon jaw	7.0 mm	281 mm	8913.60

Recommended accessories		Product no.
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

PANOVIEW TELESCOPE Ø 5.3 MM

#

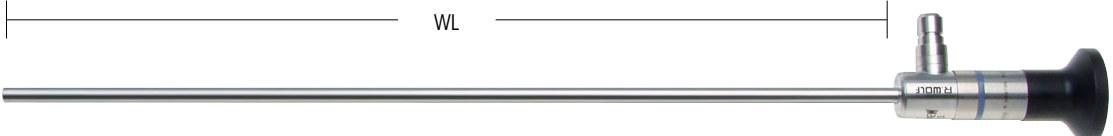
free of distortion

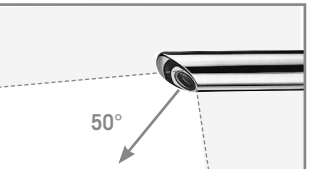
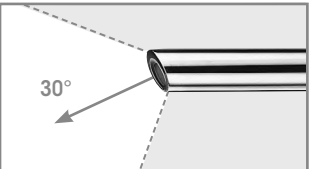
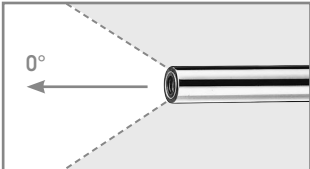
full screen

HD

High Definition

WL





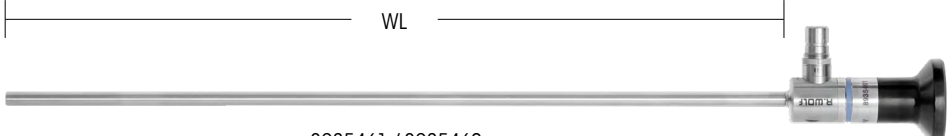
AUTOCLAVE

134° C / 273° F

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 5.3 mm WL 303 mm	0°	303 mm	372 mm	5.3 mm	8935.441
PANOVIEW Telescope 30° Ø 5.3 mm WL 303 mm	30°		373 mm		8935.442
PANOVIEW Telescope 50° Ø 5.3 mm WL 309 mm	50°	309 mm	377 mm		8935.443

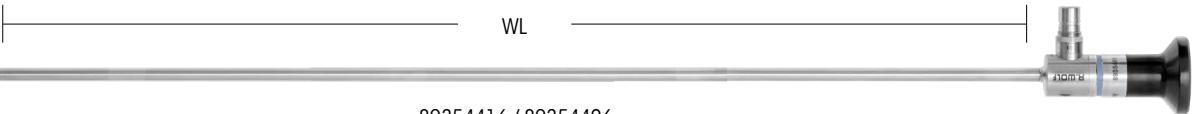
Recommended accessories		Product no.
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

TELESOPES 5.5 MM OPTIMIZED FOR 4K UHD

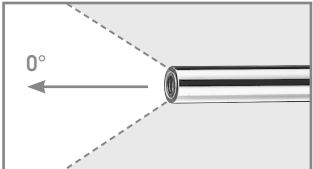
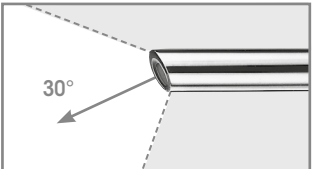


8935461 / 8935462

4K
UHD



89354416 / 89354426

AUTOCLAVE
134° C / 273° F

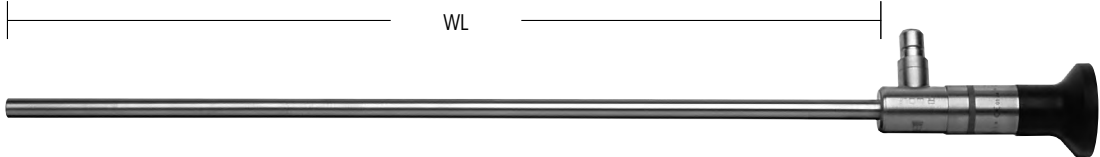
	Direction of view	WL	Ø	Product no.
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	0°	300 mm	5.5 mm	8935461
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 300 mm	30°			8935462
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	0°	430 mm		89354416
PANOVIEW ULTRA Telescope Ø 5.5 mm WL 430 mm	30°			89354426

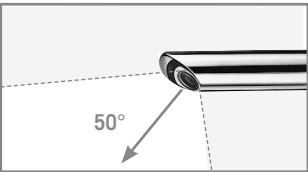
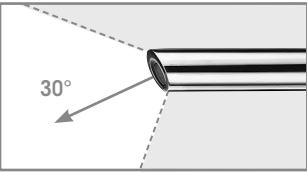
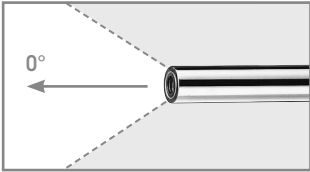
Recommended accessories		Product no.
Perforated basket for standard telescope 2 (for telescope 8935416/8935426)	(W x H x D) 481 x 54 x 59 mm	38016
Perforated basket for standard telescope 3 (for telescope 89354416/89354426)	(W x H x D) 619 x 54 x 59 mm	38017
Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	806650231
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	806550231

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

PANOVIEW PLUS TELESCOPE Ø 7.0 MM

≠ FREE OF DISTORTION





AUTOCLAVE
134° C / 273° F

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW PLUS Telescope 0° Ø 7 mm WL 297 mm	0°	297 mm	368 mm	7.0 mm	8933.431
PANOVIEW Telescope 30° Ø 7 mm WL 297 mm	30°		368 mm		8933.432
PANOVIEW Telescope 50° Ø 7 mm WL 300 mm	50°	300 mm	369 mm		8933.433

Recommended accessories		Product no.
Perforated basket for standard telescope 2	(W x H x D) 481 x 54 x 59 mm	38016
Fiber light cable bndl consisting of: Fiber light cable (80662523), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 2.5 mm, 2.3 m long	806625231

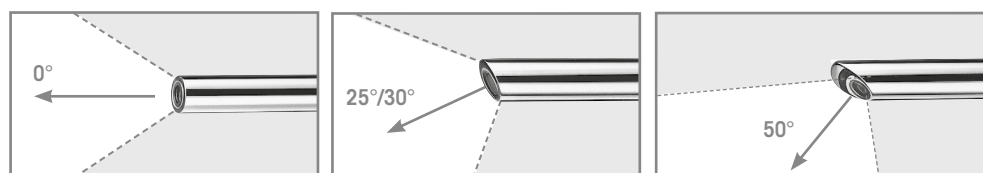
PANOVIEW TELESCOPES

3.1

THORAX49

FREE OF DISTORTION

free of distortion



AUTOCLAVE
134° C / 273° F

	Direction of view	WL	TL	Ø	Product no.
PANOVIEW Telescope 0° Ø 10 mm WL 307 mm	0°	307 mm	375 mm	10 mm	8934.431
PANOVIEW Telescope 30° Ø 10 mm WL 307 mm	30°	307 mm	375 mm		8934.432
PANOVIEW Telescope 50° Ø 10 mm WL 310 mm	50°	310 mm	378 mm		8934.433
PANOVIEW PLUS Telescope 25° Ø 10 mm WL 438 mm	25°	438 mm	507 mm		8934.4424
PANOVIEW PLUS Telescope 50° Ø 10 mm WL 447 mm	50°	447 mm	516 mm		8934.4434

Recommended accessories		Product no.
Perforated basket for standard telescope 2 (for telescope 8934.431/432/433)	(W x H x D) 481 x 54 x 59 mm	38016
Perforated basket for standard telescope 3 (for telescope 8934.4424/4434)	(W x H x D) 619 x 54 x 59 mm	38017
Fiber lightcable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	806650231
Fusion Fiber light cable bndl consisting of: Fiber light cable Ø 5 mm TL 2.3 m (80655023), projector-side adapter (8095.07), and endoscope-side adapter (809509)	Ø 5.0 mm, 2.3 m long	806550231

TROCAR SLEEVE 5.5 MM / 5.8 MM

PLASTIC WITH SEALING MEMBRANE

 AUTOCLAVE 134° C / 273° F					Tip tapered/blunt	Tip tapered/pointed	Tip triangular
					Trocar tip blunt SZ 5.5 mm	Trocar tip pointed SZ 5.5 mm	Trocar tip triangular SZ 5.5 mm
Flexible plastic sheath tube with thread	WL	Capacity	with stopcock	Product no.	WL 104 mm	WL 104 mm	WL 104 mm
Trocar sleeve straight capacity 5.5 mm WL 62 mm with membrane valve	62 mm	5.5 mm	●	8919.333	8919.3311	8919.3312	8919.3313
				8919.331			
					WL 144 mm	WL 144 mm	WL 144 mm
Trocar sleeve straight capacity 5.5 mm WL 102 mm with membrane valve	102 mm	5.5 mm	●	8919.353	8919.3511	8919.3512	8919.3513
				8919.351			

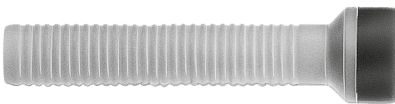
for curved instruments							
AUTOCLAVE 134° C / 273° F				Tip tapered/blunt	Tip tapered/pointed	Tip triangular	Tip tapered/blunt
							
				Trocar tip blunt SZ 5.5 mm	Trocar tip pointed SZ 5.5 mm	Trocar tip triangular SZ 5.5 mm	Trocar tip blunt SZ 5.5 mm
Flexible plastic sheath tube, with thread	WL	Capacity	Product no.	WL 80 mm	WL 80 mm	WL 80 mm	WL 80 mm
Trocar sleeve straight capacity 5.8 mm WL 62 mm with membrane valve	62 mm	5.8 mm	8905.331	8905.3311	8905.3312	8905.3313	8905.3315
				WL 120 mm	WL 120 mm	WL 120 mm	WL 120 mm
Trocar sleeve straight capacity 5.8 mm WL 102 mm with membrane valve	102 mm	5.8 mm	8905.351	8905.3511	8905.3512	8905.3513	8905.3515

Accessories	Product no.
Sealing membrane Ø 17 mm, yellow (PU = 10 PCS)	89.103
Stopcock insert bndl cap 3.0 mm (PU = 5 PCS)	896.0002

TROCAR SLEEVE 5.7 MM/7 MM/10 MM/15.5 MM

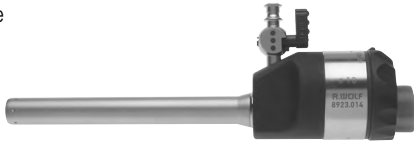
FLEXIBLE PLASTIC SHEATH TUBE

				Tip tapered/blunt
				Trocar tip blunt
Flexible plastic sheath tube with thread	WL	Capacity	Product no.	Size 5.5 mm/WL 83 mm
Trocar sleeve, straight, capacity 5.7 mm WL 60 mm with rubber cap	60 mm	5.7 mm	8906.051	8906.151

				Tip tapered/blunt
				Trocar tip blunt
Ribbed flexible plastic sheath tube	WL	Capacity	Product no.	Size 7.3 mm/TL 108 mm
Trocar sleeve flexible capacity 7 mm WL 74 mm with universal seal	74 mm	7 mm	8906.001	8913.11
				Size 10 mm/TL 85 mm
Trocar sleeve flexible capacity 10 mm WL 56 mm with universal seal	56 mm	10 mm	8906.011	8906.111
				Size 12.5 mm/TL 86 mm
Trocar sleeve flexible capacity 12.5 mm WL 57 mm with universal seal	57 mm	12.5 mm	8906.031	8906.131

				Tip, semi-blunt
				Trocar tip blunt SZ 13.5 x 18 mm
Stainless steel sheath tube	WL	Capacity	Product no.	TL 78 mm
Trocar sleeve cap 13.6 x 18 mm WL 56 mm	56 mm	13.6 x 18 mm	8906.081	8906.181

TROCAR SLEEVE 10 MM WITH INSUFFLATION STOPCOCK

RIWO-ART trocar sleeves with magnetic ball valve 				Tip tapered/blunt 	Tip tapered/pointed 	Tip triangular 
				Trocar tip blunt SZ 10 mm	Trocar tip pointed SZ 10 mm	Trocar tip triangular SZ 10 mm
Stainless steel sheath tube	WL	Capacity	Product no.	WL 164 mm	WL 164 mm	WL 164 mm
Trocar sleeve straight capacity 10 mm WL 100 mm 	100 mm	10 mm	8923.014	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm 	100 mm	10 mm	8923.013	8923.103	8923.113	8923.123
Trocar sleeve straight capacity 10 mm WL 100 mm with thread 	100 mm	10 mm	8923.024	8923.103	8923.113	8923.123
Trocar sleeve slanted capacity 10 mm WL 100 mm with thread 	100 mm	10 mm	8923.023	8923.103	8923.113	8923.123
				WL 214 mm	WL 214 mm	WL 214 mm
Trocar sleeve straight capacity 10 mm WL 150 mm 	150 mm	10 mm	8923.016	-	8923.115	8923.125
Trocar sleeve straight capacity 10 mm WL 150 mm with thread 	150 mm	10 mm	8923.026	-	8923.115	8923.125

Accessories	Product no.
Spare ball capacity 7 mm	8923.901
Spare O-rings capacity 7 mm (PU = 10 PCS), capacity Ø 7–12.5 mm	8923.951
Sealing cap capacity 9.5–10.1 mm (PU = 10 PCS) red	89.08
Stopcock insert bndl cap. 3.0 mm (PU = 5 PCS)	896.0002

SURGICAL PROBES

				
		Ø	WL	Product no.
	Surgical probe 3.5 mm WL 250 mm graduated	3.5 mm	250 mm	8379.672

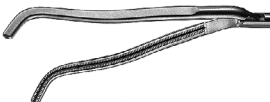
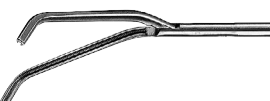
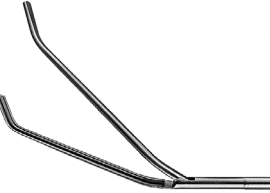
				
		Ø	WL	Product no.
	Surgical probe Ø 5 mm WL 328 mm graduated	5.0 mm	328 mm	8383.66
	Surgical probe Ø 5 mm WL 448 mm graduated	5.0 mm	448 mm	8384.66

VESSEL CLAMP / PARENCHYMA FORCEPS 5 MM

LUNG GRASPING FORCEPS 5 MM

LINDNER



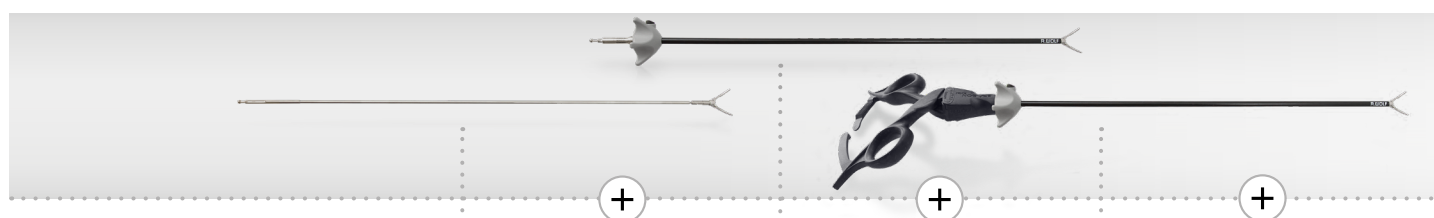
with irrigation connector		Ø	WL	TL	Product no.
	Dimensions: Ø 5 mm jaw section curved to the left	5 mm	260 mm	415 mm	8242.651
	Dimensions: Ø 5 mm jaw section curved to the right				8242.652
	Parenchyma forceps Ø 5 mm WL 270 mm 30 mm curved to the left	5 mm	270 mm	402 mm	8242.601
	Parenchyma forceps Ø 5 mm WL 270 mm 30 mm curved to the right				8242.602
	Parenchyma forceps Ø 5 mm WL 280 mm 50 mm curved to the left	5 mm	280 mm	412 mm	8242.603
	Parenchyma forceps Ø 5 mm WL 280 mm jaw section curved to the right				8242.604
	Lung grasping forceps WL 270 mm angled	5 mm	270 mm	402 mm	8242.611

ERAGON^{modular}

THE LAPAROSCOPIC TOOLBOX

The toolbox principle

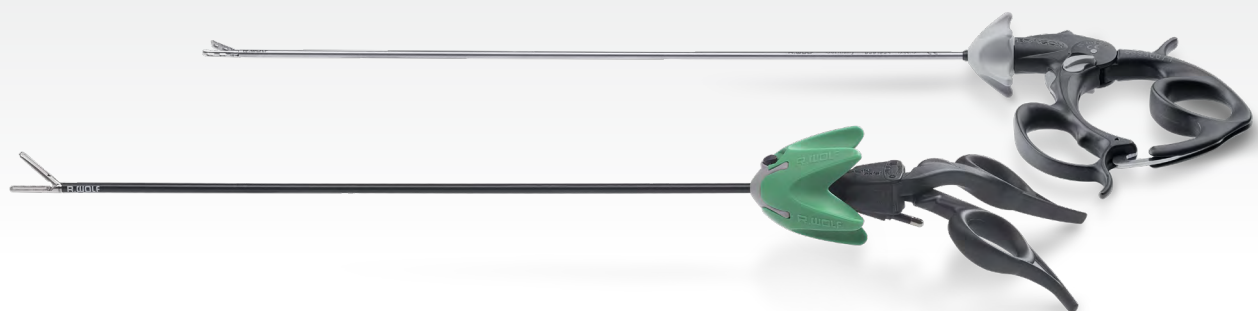
ERAGONmodular offers surgeons every possible way of creating their dream set of laparoscopic instruments. Ergonomic handles, all practical diameters, useful working lengths, and a diverse range of jaw parts can be combined in any configuration. This universal compatibility also ensures that individual trays can comprise just a few instruments – for more efficiency and one way of cutting costs.



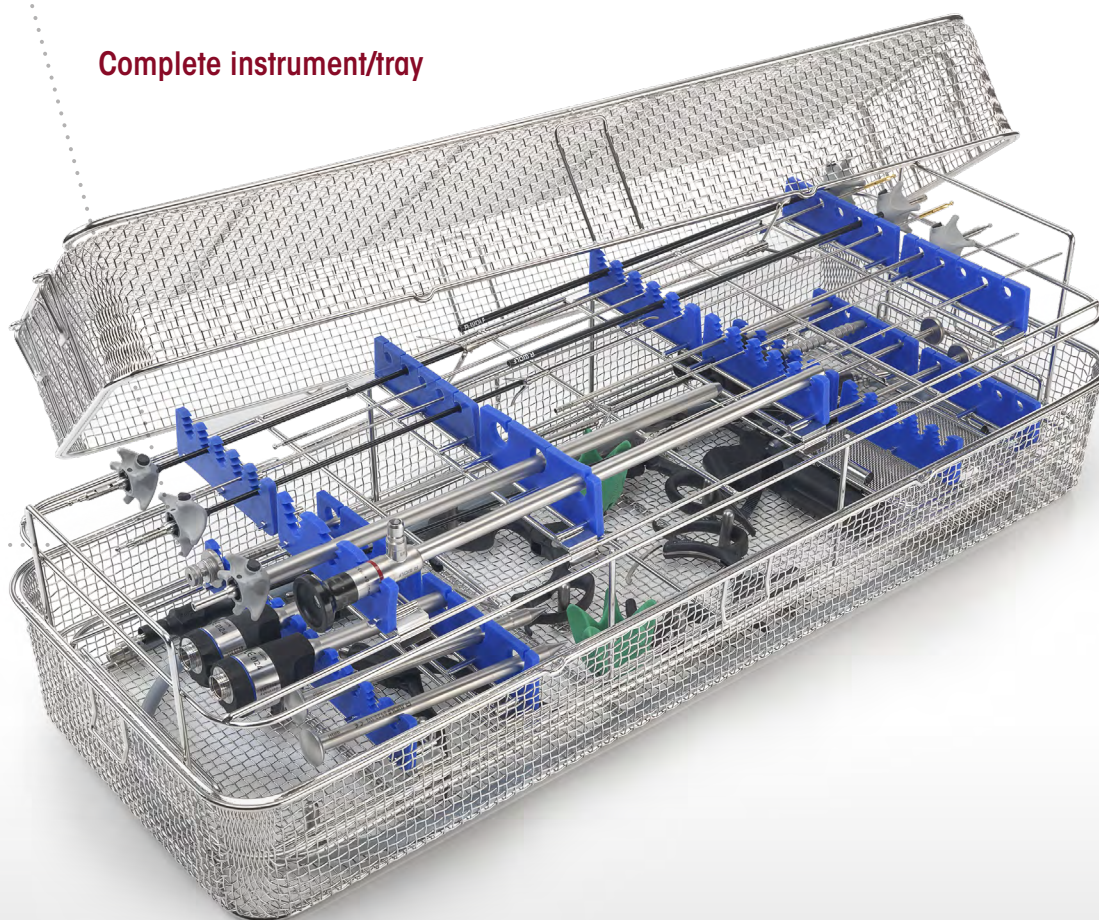
The diagram illustrates the modular principle of ERAGON laparoscopic instruments. It shows four main components that can be combined to create various instrument configurations:

- Choose working length:** Options include 330 mm, 380 mm, and 450 mm for 10.0 mm diameter; 260 mm, 330 mm, and 450 mm for 5.0 mm diameter; 240 mm and 330 mm for 3.5 mm diameter; and 240 mm for 2.0 mm diameter.
- Choose jaw insert:** Various jaw inserts are shown, including standard, serrated, and specialized designs.
- Choose sheath tube:** Options include standard and specialized sheath tubes.
- Choose handle:** Various ergonomic handles are shown, including standard and specialized designs.

The final result is a complete laparoscopic instrument, such as the one shown on the right, which combines a 10.0 mm diameter, 330 mm working length, standard jaw insert, standard sheath tube, and standard handle.



Complete instrument/tray



THE ERGONOMIC GENERATION OF NEEDLE HOLDERS

Choose working length

Choose jaw insert

Choose sheath tube

Choose handle

Ø
5.0 mm

330 mm

450 mm

Ø
3.5 mm

240 mm

330 mm

ERAGONstitch needle holders



ERAGON^{modular}_{micro}

Ø 2 MM, INSULATED

			Handle, axial		
ERAGON_{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGONaxial .			without lock, with HF connector	without lock, with HF connector	
Rotatable knob	Product no.		83930083	83930084	
	8988		•	•	

Jaw insert			Sheath tube, Ø 2.0 mm, insulated	Handle, pistol-shaped	Complete instrument - Jaw insert with sheath tube - Handle
					
			WL 240 mm	without lock, with HF, mono	
	JL*	Product no.		83930073	Product no.
Scissors mono Ø 2 mm bndl  straight, double-action	7 mm	8388200	•	•	83882007
Dissector forceps mono Ø 2 mm bndl  straight, double-action	7 mm	8388201	•	•	83882017
Atraumat. grasping forceps mono Ø 2 mm bndl  fenestrated, double-action	7 mm	8388202	•	•	83882027

* JL = jaw length when jaw section closed (approximate measurements)
HF connection cable: see page THORAX107/108

ERAGON^{modular}_{micro}

Ø 2 MM, INSULATED

Jaw insert			Sheath tube, Ø 2.0 mm, insulated	Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
					
			WL 240 mm	with lock, with HF, mono	
	JL*	Product no.		83930074	Product no.
 Grasping forceps mono Ø 2 mm bndl	7 mm	8388203	•	•	83882037
double-action					

* JL = jaw length when jaw section closed (approximate measurements)
HF connection cable: see page THORAX107/108

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163502

ERAGON^{modular}_{mini}

Ø 3.5 MM, INSULATED

		Handle, axial	
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial.		 without lock, with HF connector	 without lock, with HF connector
Rotatable knob	Product no.	83930083	83930084
	8988	•	•

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
 JL						
			WL 240 mm	WL 330 mm	with lock, with HF, mono	
	JL*	Product no.	8390933	8391933	83930074	Product no.
 curved to the left, double-action	15 mm	8390207	•		•	83902077
		8391207		•	•	83912077
 long, fine tip, double-action	18 mm	8390221	•		•	83902217
		8391221		•	•	83912217
 short, fine tip, double-action	14 mm	8390222	•		•	83902227
		8391222		•	•	83912227
 angled, double-action	14 mm	8390223	•		•	83902237
		8391223		•	•	83912237

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

ERAGON *modular
mini*

Ø 3.5 MM, INSULATED

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8390933	8391933	83930073	83930074	Product no.
 Metzenbaum scissors mono Ø 3.5 mm bndl double-action	16 mm	8390215	•		•		83902157
		8391215		•	•		83912157
 Metzenbaum scissors mono Ø 3.5 mm bndl fine-toothed, curved, double-action	14 mm	8390224	•		•		83902247
		8391224		•	•		83912247
 Hook scissors mono Ø 3.5 mm bndl single-action	8 mm	8390227	•		•		83902277
		8391227		•	•		83912277
 Double spoon forceps mono Ø 3.5 mm bndl	12 mm	8390216	•			•	83902167
		8391216		•		•	83912167
 Friedel punch mono Ø 3.5 mm bndl	10 mm	8390217	•			•	83902177
		8391217		•		•	83912177

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163502

ERAGON^{modular}_{mini}

Ø 3.5 MM, UNINSULATED

		Handle, axial	
ERAGON^{axial}			
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock, without HF connector	with lock, without HF connector, not rotatable
Rotatable knob	Product no.	83930082	83930085
	8988	.	.

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
						
			WL 240 mm	WL 330 mm	with lock, without HF	
	JL*	Product no.	8390933	8391933	83930072	Product no.
 fenestrated, double-action	14 mm	8390208	.	.	.	83902087
		8391208	.	.	.	83912087
 fenestrated, single-action	17 mm	8390218	.	.	.	83902187
		8391218	.	.	.	83912187
 double fenestrated, curved, single-action	17 mm	8390225	.	.	.	83902257
		8391225	.	.	.	83912257
 fenestrated, double-action	19 mm	8390226	.	.	.	83902267
		8391226	.	.	.	83912267

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107–108

V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

ERAGON^{modular}_{mini}

Ø 3.5 MM, UNINSULATED

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
						
			WL 240 mm	WL 330 mm	with lock, without HF	
	JL*	Product no.	8390933	8391933	83930072	Product no.
 Grasping forceps Ø 3.5 mm bndl 13 mm fenestrated, double-action		8390219	•		•	83902197
		8391219		•	•	83912197
 Grasping forceps Ø 3.5 mm bndl 17 mm fenestrated, single-action		8390220	•		•	83902207
		8391220		•	•	83912207
 Universal grasping forceps Ø 3.5 mm bndl 14 mm double-action		8390209	•		•	83902097
		8391209		•	•	83912097
 Babcock forceps Ø 3.5 mm bndl 19 mm double-action		8390210	•		•	83902107
		8391210		•	•	83912107

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163503

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm		
	JL*	Product no.	8393933	8394933	83930074	Product no.
 Maryland dissector forceps mono Ø 5 mm bndl curved, with fine cross tooth- ing, double-action	21 mm	8393.281	•		•	83932817
		8394.281		•	•	83942817
 Mixer dissector forceps mono Ø 5 mm bndl angled, fine, pyramid-shaped tooth- ing, double-action	22 mm	8393.283	•		•	83932837
 Grasping forceps, mono Ø 5 mm bndl fenestrated, with fine cross tooth- ing, 15 mm long, single-action	21 mm	8393.185	•		•	83931857
 Grasping forceps, mono Ø 5 mm bndl fenestrated, with fine cross tooth- ing, 20 mm long, single-action	26 mm	8393.184	•		•	83931847
		8394.184		•	•	83941847

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

ERAGON modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated			Handle, pistol-shaped			Complete instrument • Jaw insert with sheath tube • Handle
									
			SL 260 mm	SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8392933	8393933	8394933	83930072	83930073	83930074	Product no.
 Dolphin dissector forceps mono Ø 5 mm bndl angled, with fine cross- toothings, with channel, narrow, 15 mm long, double-action	17 mm	8393.285		•			•		83932857
 Dissector forceps mono Ø 5 mm bndl fine pyramid-shaped toothing, narrow, 18 mm, double-action	23 mm	8393.289		•				•	83932897
 Atraumat. grasping forceps Ø 5 mm bndl Channel with wavy tooth edge, 20 mm, single-action	26 mm	8393.292		•		•			83932925
 Atraumat. grasping forceps Ø 5 mm bndl Channel with wavy tooth edge, 20 mm, double-action	26 mm	8393.293		•		•			83932935
		8394.293			•	•			83942935
 Grasping forceps, mono Ø 5 mm bndl fine, pyramid-shaped toothing, narrow double-action	19 mm	8393.288		•				•	83932887
 Atraumat. grasping forceps mono Ø 5 mm bndl fenestrated, with cross toothing, double-ac- tion	19 mm	8392.181	•					•	83921817
		8393.181		•				•	83931817
		8394.181			•			•	83941817

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm			
	JL*	Product no.	8393933	8394933	83930072	83930073	Product no.
 Atraumat. grasping forceps mono Ø 5 mm bndl smooth, double-action	18 mm	8393.195	•			•	83931957
		8394.195		•		•	83941957
 Babcock forceps Ø 5 mm bndl Gripping surface with fine cross toothings, double-action	24 mm	8393.186	•		•		83931867
 Babcock forceps Ø 5 mm bndl large distal gripping surface with fine cross toothings, double-action	26 mm	8393.187	•		•		83931877
		8394.187		•	•		83941877
 Debakey forceps Ø 5 mm bndl atraumatic clamp, double-action	39 mm	8393190	•		•		83931907

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

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ERAGON modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm			
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 Debaquey forceps Ø 5 mm bndl atraumatic clamp, double-action	48 mm	8393191	•		•		83931917
 Grasping forceps, mono Ø 5 mm bndl with row of teeth, double-action	17 mm	8393.485	•			•	83934857
 Grasping forceps, mono Ø 5 mm bndl with one tooth, fine cross tooth- ing, narrow, double-action	19 mm	8393.486	•			•	83934867
 Grasping forceps, mono Ø 5 mm bndl with two teeth, fine cross tooth- ing, single-action	17 mm	8393.487	•			•	83934877
 Grasping forceps Ø 5 mm bndl with two teeth wavy gripping surface, dou- ble-action	26 mm	8393.490	•		•		83934907
		8394.490		•	•		83944907
 Petelin dissector forceps mono Ø 5 mm bndl angled 30° to the left, with cross tooth- ing, single-action	17 mm	8393.282	•			•	83932827

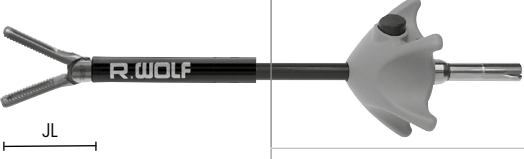
* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated	Handle, pistol-shaped			Complete instrument • Jaw insert with sheath tube • Handle
							
			SL 330 mm	with lock, without HF	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8393933	83930072	83930073	83930074	Product no.
Plate-shaped grasping forceps mono Ø 5 mm bndl  fenestrated with fine cross toothing, double-action	18 mm	8393.182	•			•	83931827
Grasping forceps mono Ø 5 mm bndl  with cross toothing, double-action	21 mm	8393.183	•		•		83931837
Grasping forceps mono Ø 5 mm bndl  distal cross toothing with channel, double-action	15 mm	8393.287	•		•		83932877
Claw grasping forceps Ø 5 mm bndl  double-action	27 mm	8393.494	•	•			83934945

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

ERAGON modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped			Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm				
	JL*	Product no.	8393933	8394933	83930072	83930073	83930074	Product no.
 Myoma grasping forceps Ø 5 mm bndl	29 mm	8393.488	•		•			83934887
2x3-claw, single-action								
 Universal grasping forceps mono Ø 5 mm bndl	18 mm	8393.481	•				•	83934817
with pyramid-shaped toothings and cross toothings, double-action								
 Universal grasping forceps Ø 5 mm bndl	26 mm	8393.482	•		•			83934827
pyramid-shaped toothings and cross toothings, double-action								
 Grasping forceps mono Ø 5 mm bndl	20 mm	8393.483	•				•	83934837
Pike-mouth, double-action								
 Biopsy forceps mono Ø 5 mm bndl	13 mm	8393.091	•			•		83930917
with spikes, double-action		8394.091		•		•		83940917
 Biopsy forceps mono Ø 5 mm bndl	14 mm	8393.092	•			•		83930927
severing, single-action		8394.092		•		•		83940927

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax107/108

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm			
	JL*	Product no.	8393933	8394933	83930072	83930073	Product no.
 Biopsy forceps mono Ø 5 mm bndl pointed spoon forceps, single-action	20 mm	8393.093	•			•	83930937
 Knot pusher Ø 5 mm bndl with distal recess, double-action	17 mm	8393.345	•		•		83933457
		8394.345		•	•		83943457
 Grasping forceps Ø 5 mm bndl spring jaw sections fenestrated with cross toothing, double-action	37 mm	8393.188	•		•		83931887
 Grasping forceps Ø 5 mm bndl spring jaw sections fenestrated with cross toothing, double-action	47 mm	8393.189	•		•		83931897
		8394.189		•	•		83941897

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 Debaquey forceps Ø 5 mm bndl atraumatic, spring jaws with cross toothing, double-action	47 mm	8393.291	•		•		83932917
 Dissector forceps mono Ø 5 mm bndl angled, double-action	18 mm	8393192	•			•	83931927
		8394192		•		•	83941927
 Grasping forceps, mono Ø 5 mm bndl double-action	16 mm	8393193	•		•		83931937
		8394193		•	•		83941937
 Dissector forceps mono Ø 5 mm bndl double-action	24 mm	8393194	•			•	83931947
		8394194		•		•	83941947
 Dissector forceps mono Ø 5 mm bndl double-action	30 mm	8393197	•			•	83931977
		8394197		•		•	83941977
 Dissector forceps mono Ø 5 mm bndl fine tips double-action	33 mm	8393198	•			•	83931987
		8394198		•		•	83941987

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm		
	JL*	Product no.	8393933	8394933	83930074	Product no.
 double-action	32 mm	8393199	•		•	83931997
		8394199		•	•	83941997
 fine tip, double-action	19 mm	8393200	•		•	83932007
		8394200		•	•	83942007
 atraumatic, with cross toothing, double-action	16 mm	8393210	•		•	83932107
 atraumatic, with cross toothing, double-action	19 mm	8393220	•		•	83932207
		8394220		•	•	83942207

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON modular

Ø 5.0 mm, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
							
			SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 atraumatic, with pyramid-shaped toothings and cross toothings, double-action	29 mm	8393223	•		•		83932237
		8394223		•	•		83942237
 atraumatic, single fenestrated with cross toothings, double-action	25 mm	8393250	•		•		83932507
		8394250		•	•		83942507
 atraumatic, double fenestrated and curved single-action	32 mm	8393229	•		•		83932297
		8394229		•	•		83942297
 atraumatic, narrow and rounded, double-action	15 mm	8393230	•		•		83932307
		8394230		•	•		83942307
 curved, double-action	19 mm	8393240	•			•	83932407
		8394240		•		•	83942407
 single fenestrated double-action	17 mm	8393242	•		•		83932427
		8394242		•	•		83942427

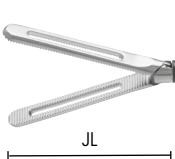
* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON^{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON^{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGON^{axial} .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

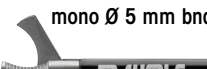
Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument
							• Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm	with lock, without HF	with lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930074	Product no.
 Intestine grasping forceps Ø 5 mm bndl atraumatic, single fenestrated with cross toothing, double-action	38 mm	8393249	•		•		83932497
		8394249		•	•		83942497
 Debaquey forceps mono Ø 5 mm bndl curved, double-action	35 mm	8393256	•			•	83932567
 Debaquey forceps double-action Ø 5 mm bndl	47 mm	8393258	•			•	83932587
		8394258		•		•	83942587

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON modular

Ø 5.0 MM, INSULATED

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
						
			SL 330 mm	SL 450 mm	without lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930073	Product no.
 Metzenbaum scissors mono Ø 5 mm bndl curved, double-action	23 mm	8393.041	•		•	83930417
		8394.041		•	•	83940417
 Metzenbaum micro scissors mono Ø 5 mm bndl curved, double-action	18 mm	8393.044	•		•	83930447
 Scissors mono Ø 5 mm bndl narrow, straight, double-action	20 mm	8393.045	•		•	83930457
 Hook scissors mono Ø 5 mm bndl serrated, single-action	14 mm	8393.081	•		•	83930817
		8394.081		•	•	83940817
 Metzenbaum micro scissors mono Ø 5 mm bndl double-action	21 mm	8393243	•		•	83932437
		8394243		•	•	83942437
 Scissors mono Ø 5 mm bndl curved and toothed double-action	26 mm	8393246	•		•	83932467
		8394246		•	•	83942467

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON_{modular}

Ø 5.0 MM, INSULATED

		Handle, axial			
ERAGON _{axial}					
All jaw inserts and sheath tubes can also be combined with ERAGONaxial .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	

Jaw insert			Sheath tube, Ø 5.0 mm, insulated		Handle, pistol-shaped		Complete instrument
					 		• Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm	with lock, without HF	without lock, with HF, mono	
	JL*	Product no.	8393933	8394933	83930072	83930073	Product no.
Scissors mono Ø 5 mm bndl  fine-toothed, fine tip double-action	22 mm	8393248	•			•	83932487
		8394248		•		•	83942487
Knot pusher Ø 5 mm bndl  with distal recess, double-action	17 mm	8393345	•		•		83933457
		8394345		•	•		83943457
Gastric band manipulator Ø 5 mm bndl  90° articulating with distal slot	47 mm	8393253	•		•		83932537
		8394253		•	•		83942537

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163502

ERAGON^{modu} blades

Ø 5.0 MM, INSULATED

		Handle, axial	
			
All jaw inserts and sheath tubes can also be combined with ERAGONaxial .		without lock, with HF connector	
Rotatable knob	Product no.	83930083	
	8988	•	

Scissors attachment		Tension rod Ø 5.0 mm			Sheath tube insulated Ø 5.0 mm			Handle pistol-shaped	Complete instrument
									• Jaw insert with sheath tube • Handle
		for SL 260 mm	for SL 330 mm	for SL 450 mm	SL 240 mm	SL 310 mm	SL 430 mm	without lock, rotatable with HF connector	
	Product no.	8392934	8393934	8394934	8392935	8393935	8394935	83930073	Product no.
Metzenbaum scissors attachment mono		•			•			•	83920407
			•			•		•	83930407
(PU = 10 PCS), sterile, for single use				•			•	•	83940407



ERAGON^{modular}

Ø 10 MM, UNINSULATED

		Handle, axial	
 All jaw inserts and sheath tubes can also be combined with ERAGONaxial.		 with lock, without HF connector	 with lock, without HF connector, not rotatable
Rotatable knob	Product no.	83930082	83930085
	8988	.	.

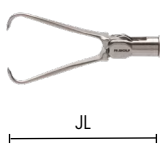
Jaw insert			Sheath tube, Ø 10.0 mm, insulated		Handle, pistol-shaped	Complete instrument • Jaw insert with sheath tube • Handle
			SL 327 mm	SL 447 mm	 with lock, without HF	
	JL*	Product no.	8395902	8396902	83930072	Product no.
 Maryland dissector forceps Ø 10 mm bndl double-action	36 mm	8395.225	.	.	.	83952257
		8396225	.	.	.	83962257
 Dissector forceps Ø 10 mm bndl angled, double-action	35 mm	8395.226	.	.	.	83952268
		8396226	.	.	.	83962267
 Grasping forceps Ø 10 mm bndl Pike-mouth double-action	20 mm	8395.236	.	.	.	83952368
		8396236	.	.	.	83962367
 Grasping forceps Ø 10 mm bndl 2/3 clawed single-action	49 mm	8395.204	.	.	.	83952048
		8396204	.	.	.	83952047

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON modular

Ø 10 MM, UNINSULATED

Jaw insert			Sheath tube, Ø 10.0 mm, insulated			Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
								
			SL 327 mm	SL 447 mm	SL 387 mm	with lock, without HF		
	JL*	Product no.	8395902	8396902	8397902	83930072	83930082	Product no.
Claw grasping forceps Ø 10 mm bndl	 38 mm double-action	8395.489	•			•		83954897
Claw grasping forceps Ø 10 mm bndl	 38 mm with additional row of teeth, double-action	8395490	•			•		83954907
Babcock forceps Ø 10 mm bndl	 42 mm large distal gripping surface with fine cross toothing, double-action	8395.187	•			•		83951877
			8396187		•		•	
Babcock forceps Ø 10 mm bndl	 38 mm double-action	8395.214	•			•		83952148
Plate-shaped grasping forceps Ø 10 mm bndl	 50 mm double-action	8395.234	•			•		83952347
			8396234		•		•	
Spoon forceps Ø 10 mm bndl	 31 mm single-action	8395.244	•			•		83952448
Stapler head grasping forceps Ø 10 mm bndl	 angled 30°, double-action	8397.655			•		•	83976558

* JL = jaw length when jaw section closed (approximate measurements)/HF connection cable: see page THORAX107/108

ERAGON^{stitch}

NEEDLE HOLDER Ø 3.5 MM



Needle holder jaw insert			Sheath tube, Ø 3.5 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle
							
			SL 240 mm		SL 330 mm		
				Axial	Angled		
	JL*	Product no.	8390533	8391533	8393943	8393944	Product no.
 Needle holder jaw insert Ø 3.5 mm bndl	12 mm	8391505	•		•		83915053
			•			•	83915054
		8391506		•	•		83915063
				•		•	83915064
straight with carbide insert single-action							

* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter cleaning Ø 9 mm, length 64 mm for uninsulated sheath tubes	163503

ERAGON *stitch*

NEEDLE HOLDER Ø 5.0 MM

Needle holder jaw insert			Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle
							
			SL 330 mm	SL 450 mm	with on-off detent mechanism, single-action		
					axial	angled	
	JL*	Product no.	8393533	8394533	8393943	8393944	Product no.
 straight with carbide insert single-action	19 mm	8393507	•		•		83935073
			•			•	83935074
		8394507		•	•		83945073
				•		•	83945074
 straight and narrow with carbide insert single-action	19 mm	8393508	•		•		83935083
			•			•	83935084
		8394508		•	•		83945083
				•		•	83945084
 straight, with self-righting function single-action	19 mm	8393509	•		•		83935093
			•			•	83935094
		8394509		•	•		83945093
				•		•	83945094

* JL = jaw length when jaw section closed (approximate measurements)

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter cleaning Ø 9 mm, length 64 mm for uninsulated sheath tubes	163503

ERAGON *stitch*

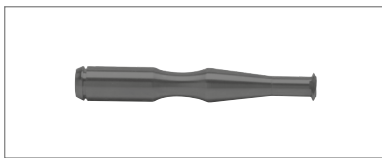
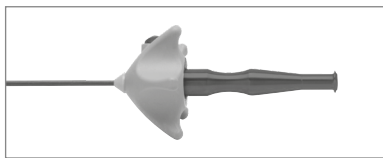
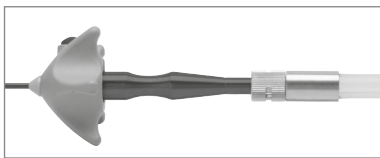
NEEDLE HOLDER Ø 5.0 MM

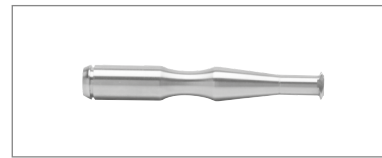
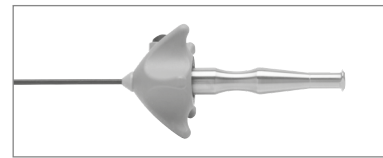
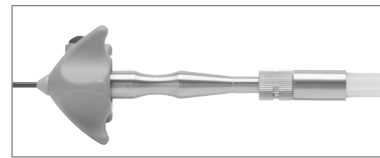
V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

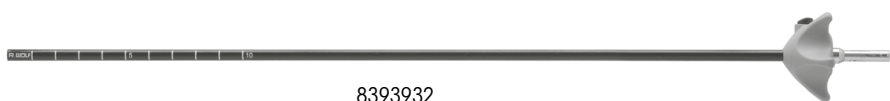
Needle holder jaw insert			Sheath tube, Ø 5.0 mm		Needle holder handle		Complete instrument • Jaw insert • Sheath tube • Handle	
								
					with on-off detent mechanism, single-action			
			SL 330 mm		SL 450 mm			Axial
	JL*	Product no.	8393533	8394533	8393943	8393944	Product no.	
 curved right with carbide insert single-action	19 mm	8393518	•		•		83935183	
			•			•	83935184	
		8394518		•	•			83945183
				•		•		83945184
 Curved left with carbide insert single-action	19 mm	8393519	•		•		83935193	
			•			•	83935194	
		8394519		•	•			83945193
				•		•		83945194

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter cleaning Ø 9 mm, length 64 mm for uninsulated sheath tubes	163503

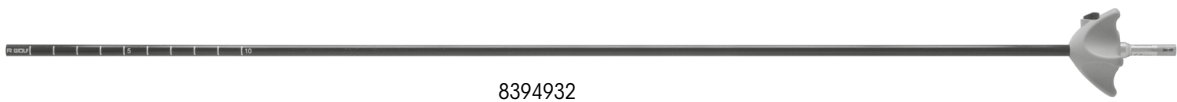
ERAGON^{modular} ACCESSORIES

For insulated sheath tubes		Product no.		
		For manual and machine reprocessing:		163502
		Irrigation adapter Ø 9 mm, length 64 mm for insulated sheath tubes		
				

For uninsulated sheath tubes		Product no.		
		For manual and machine reprocessing:		163503
		Irrigation adapter cleaning Ø 9 mm, length 64 mm for uninsulated sheath tubes		
				



8393932



8394932

		Ø	SL	Product no.
ERAGONmodular	Sheath tube insulated Ø 5 mm SL 330 mm with distal cm scale	5 mm	330 mm	8393932
	 Sheath tube insulated Ø 5 mm SL 450 mm with distal cm scale	5 mm	450 mm	8394932

HANDLE VARIANTS FOR MODULAR SYSTEMS

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ERAGONMODULAR

3.4

Handle, pistol-shaped 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930072
	•		•	•		83930073
	•	•		•		83930074

Handle, axial 	rotatable	with lock	without lock	with HF	without HF	Product no.
	•	•			•	83930082
	•		•	•		83930083
	•	•		•		83930084
		•			•	83930085

Optional for 83930082/83930083/83930084:			Product no.	
 	Rotatable knob autoclavable		8988	

All  components are compatible with 

NEEDLE HOLDER HANDLE

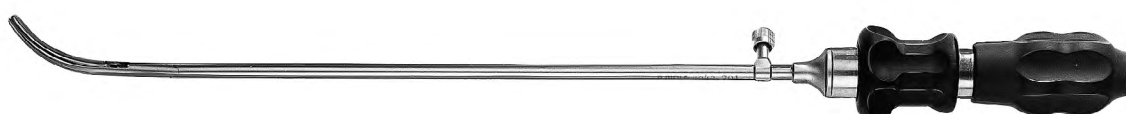
Needle holder handle, axial	not rotatable	with lock	without HF	Product no.
	•	•	•	8393.941

Needle holder handle ERAGON ^{stitch}	axial	angled	with on-off detent mechanism	single-action	not rotatable	Product no.
	•		•	•	•	8393943
		•	•	•	•	8393944

SCISSORS / TISSUE RETRACTORS



with irrigation connector		Ø	WL	TL	Product no.
	Scissors Ø 6.5 mm WL 260 mm Jaw section straight, sheath straight, single opening	6.5 mm	260 mm	392 mm	8243.403
	Scissors curved Ø 7 mm WL 260 mm Jaw section curved, sheath straight, single opening	7.0 mm	260 mm	392 mm	8243.404

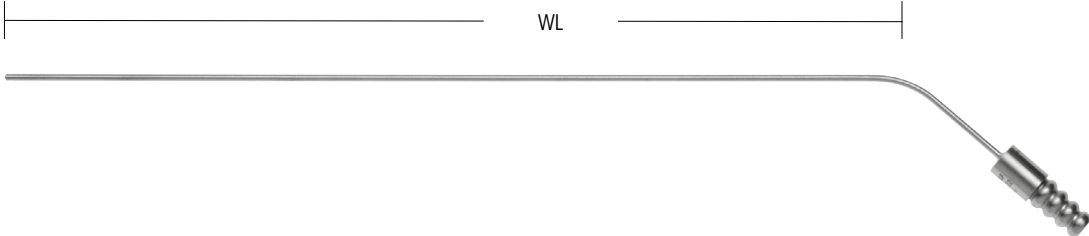


with irrigation connector		Ø	WL	TL	Product no.
	Tissue retractor Ø 6.5 mm WL 330 mm Jaw section curved downward, sheath straight	6.5 mm	330 mm	492 mm	8243.701

ACCESSORIES

FOR SUCTION AND IRRIGATION

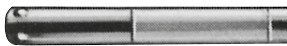
		Outer Ø	TL	Product no.
	Hand blower	49 mm	567 mm	412700
	with disposable filter, sterile (PU = 5 PCS)			

				
		Outer 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	250 mm	8291.23
	Suction tube OD 3 mm WL 250 mm	3.0 mm	250 mm	8291.24
	Suction tube OD 4 mm WL 500 mm	4.0 mm	500 mm	8291.45
central, lateral openings, rigid				

				
		Outer Ø	WL	Product no.
	Suction tube OD 2.8 mm WL 450 mm	2.8 mm	450 mm	8380.68

ACCESSORIES

FOR SUCTION AND IRRIGATION

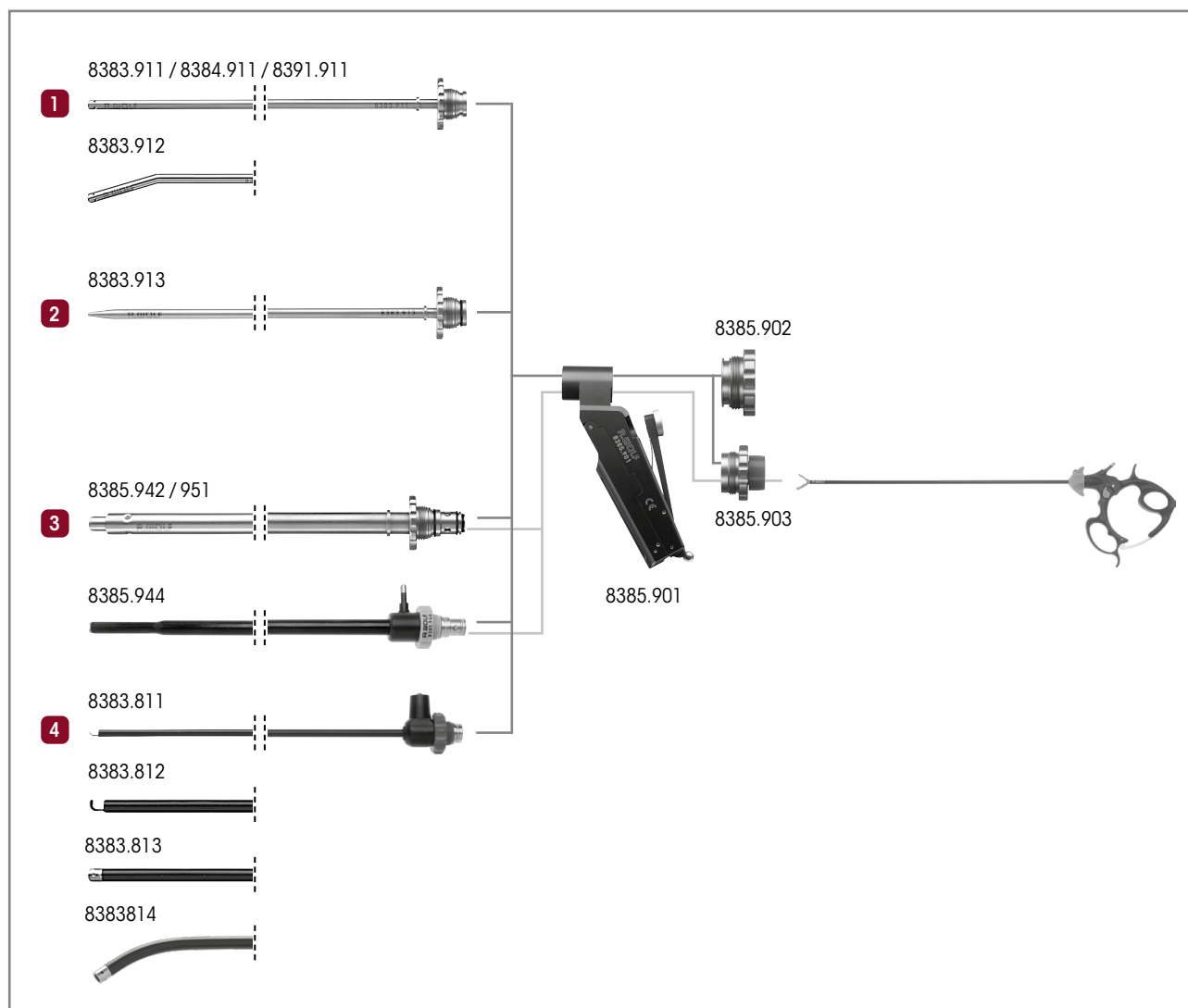
		Outer Ø	WL	Product no.
	Suction tube graduated Ø 5 mm WL 330 mm	5.0 mm	330 mm	8383.68
graduated, with 3 mm Luer connector				

		Outer Ø	WL	Product no.
	Suction irrigation tube Ø 5 mm WL 300 mm	5.0 mm	300 mm	8383.94
with stop valve				

		Outer Ø	WL	Product no.
	Suction irrigation tube WL 290 mm	5.0 mm	290 mm	8583732
with maintenance-free two-way stopcock, sheath tube, with distal openings, reusable				
	Suction irrigation tube WL 410 mm	5.0 mm	410 mm	8584732

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

COMBINATION OPTIONS



1 Suction or irrigation:

Suction irrigation tube Ø 5 mm WL 310 mm	8383.911
Suction irrigation tube Ø 5 mm WL 450 mm	8384.911
Suction irrigation tube Ø 3.5 mm WL 300 mm	8391.911
Suction irrigation tube curved Ø 5 mm WL 310 mm...	8383.912
for this: Sealing cap	8385.902

2 Blunt aquadissection:

Pressure irrigation tube Ø 5 mm WL 310 mm	8383.913
for this: Sealing cap	8385.902

3 Suction, irrigation, and use of auxiliary instruments Ø 5 mm:

Suction irrigation tube Ø 10 mm WL 225 mm	8385.942
Suction irrigation tube Ø 10 mm WL 330 mm	8385.951
Suction irrigation tube Ø mono 10 mm WL 330 mm, insulated, with atraumatic preparation tip	8385.944
for this: Sealing adapter	8385.903

4 Preparation of tissue with HF:

HF suction irrigation tube Ø 5.2 mm WL 317 mm insulated with integrated HF spatula probe	8383.811
HF suction irrigation tube Ø 5.2 mm WL 317 mm insulated with integrated HF hook electrode	8383.812
HF suction irrigation tube Ø 5.2 mm WL 317 mm insulated with integrated HF button electrode	8383.813
HF suction irrigation tube Ø 5.4 mm WL 380 mm curved with distal openings, insulated with integrated HF button electrode	8383.814
for this: Sealing cap	8385.902

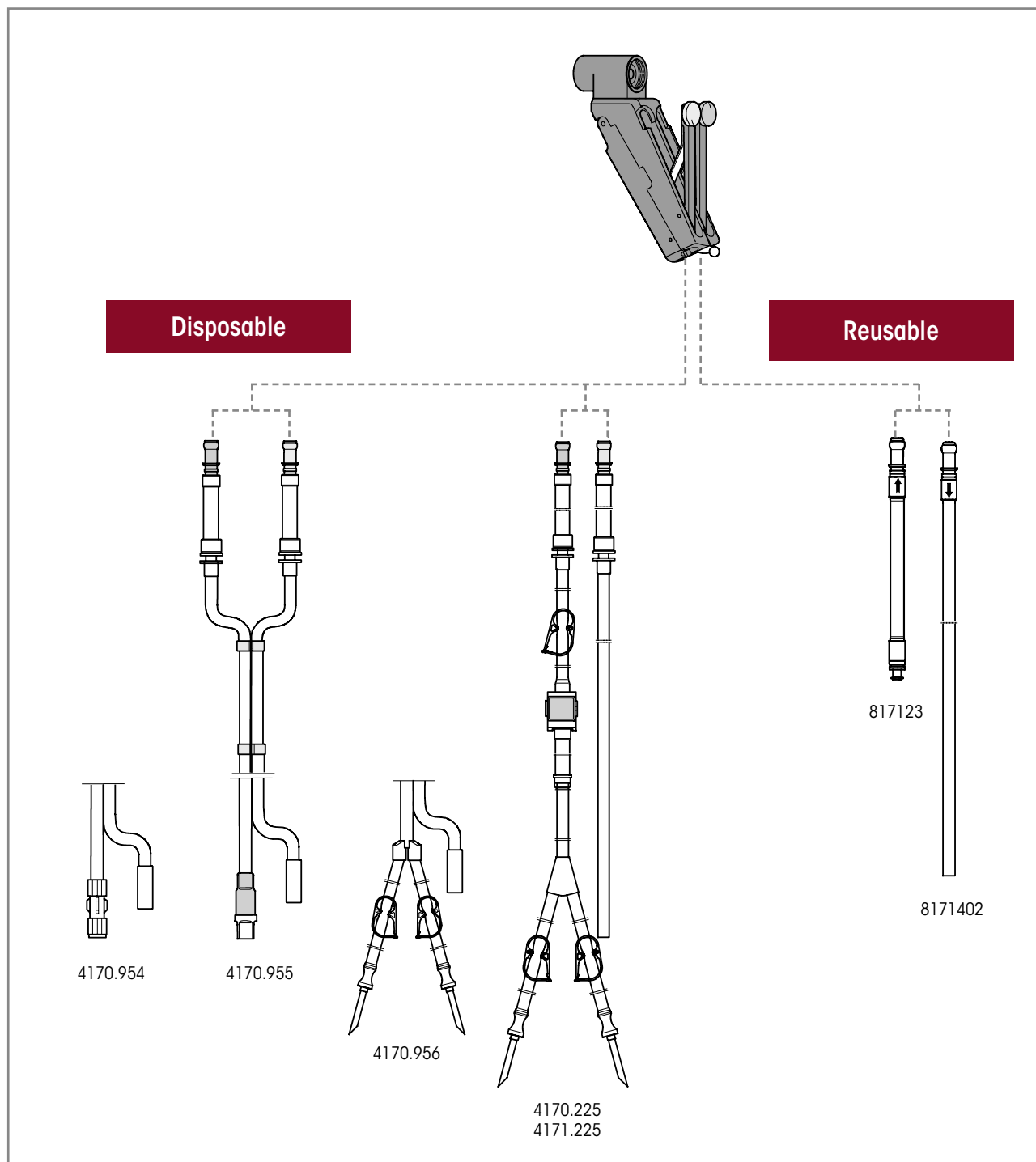
MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION HANDLE

 8385.901 8385.902  8385.903  AUTOCLAVE 134° C / 273° F	
	Product no.
Suction irrigation handle	8385.901
Sealing cap	8385.902
Required to use auxiliary instruments Ø 5 mm: Sealing attachment with opening and membrane valve	8385.903
Spare Sealing membrane Ø 17 mm yellow, Ø 17 mm, PU = 10 PCS, for instruments from 3 to 6 mm	89.103

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION TUBE SETS – ILLUSTRATION



Suction irrigation tube sets are used in conjunction with the suction irrigation handle 8385.901 and pump-side tube systems as well as corresponding collection and secretion containers and/or vacuum pumps (e.g., FLUID CONTROL LAP 2216, LAPARO PUMP 2215).

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION TUBE SETS FOR SUCTION IRRIGATION HANDLE 8385.901

Disposable		Product no.
Suction irrigation tube set, L 3 m (PU = 10 PCS), sterile	Irrigation tube: With LUER-LOCK, for connection to the irrigation tube of a suction irrigation tube set, e.g., irrigation tube of the Endo-Irrigator 2211 Suction tube: For connection to a collection or secretion container and/or vacuum pump	4170.954
Suction irrigation tube set with care-lock, L 3 m (PU = 10 PCS), sterile	Irrigation tube: With CARE-LOCK, for connection to an irrigation container Suction tube: For connection to a collection or secretion container and/or vacuum pump	4170.955
Suction irrigation tube set with piercing spike, L 3 m (PU = 10 PCS), sterile	Irrigation tube: With 2 piercing spikes, for connection to an irrigation container Suction tube: For connection to a collection or secretion container and/or vacuum pump	4170.956
Suction irrigation tube set with piercing spike, L 3 m (PU = 10 PCS), sterile	Irrigation tube: With 2 piercing spikes, for connection to an irrigation container as well as Laparo Pump 2215 and Fluid Control Lap 2216 Suction tube: For connection to a collection or secretion container and/or vacuum pump Observe additional instruction manual GA-A 167.	4170.225
Suction irrigation tube set, L 3 m (PU = 10 PCS), sterile	Irrigation tube: With 2 piercing spikes, for connection to an irrigation container, and Fluid Control Lap 2216 Suction tube: For connection to a collection or secretion container and/or vacuum pump Observe additional instruction manual GA-A 276.	4171.225
Secretion container, 2.5 l	2.5 liters (PU = 2 PCS)	41706566
Tube set for suction (2 connections)	Sterile disposable product (PU = 10 PCS) for connecting instruments to collecting container	T0503-01

Reusable		Product no.
Irrigation tube L 1.2 m	Irrigation tube: With LUER-LOCK connection for connection to the irrigation tube of a suction irrigation tube set, e.g., 8171.223 or 8170.223	817123
Suction tube L 3 m	Silicone, for suction irrigation handle 8385.901	8171402
Secretion container, 2 l	2 liters, with lid	8170.655
Secretion container, 2 l	2 liters, no lid	8170.6551

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION TUBES

				
		Outer Ø	WL	Product no.
	Suction irrigation tube Ø 3.5 mm WL 300 mm	3.5 mm	300 mm	8391.911
	Suction irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.911
	Suction irrigation tube Ø 5 mm WL 450 mm	5.0 mm	450 mm	8384.911
	Suction irrigation tube curved Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.912
	Pressure irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.913
for use of 5 mm auxiliary instruments				
	Suction irrigation tube Ø 10 mm WL 225 mm	10.0 mm	225 mm	8385.942
Capacity 5.0 mm	Suction irrigation tube Ø 10 mm WL 330 mm	10.0 mm	330 mm	8385.951
 Insulated, with atraumatic preparation tip	Suction irrigation tube mono Ø 10 mm WL 330 mm	10.0 mm	330 mm	8385.944
	required for 8385.951: Sealing attachment with opening and membrane valve Sealing membrane Ø 17 mm			8385.903

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION TUBES



		Outer Ø	WL	Product no.
	Insulated with integrated HF spatula probe	5.2 mm	317 mm	8383.811
	Insulated with integrated HF hook probe	5.2 mm	317 mm	8383.812
	Insulated with integrated HF button electrode	5 mm	317 mm	8383.813
As alternative to suction irrigation handle:				
	Suction irrigation adapter with maintenance-free two-way stopcock, for multi-functional suction and irrigation tube system			8583819

V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

Accessories	Product no.
HF connection cable	See THORAX107/108

MULTIFUNCTIONAL SUCTION IRRIGATION SYSTEM

SUCTION IRRIGATION TUBES



		Outer Ø	WL	Product no.
	Suction tube OD 2.8 mm WL 450 mm	2.8 mm	450 mm	8380.68
	Suction irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.911
	Suction irrigation tube Ø 5 mm WL 450 mm	5.0 mm	450 mm	8384.911
	Suction irrigation tube curved Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.912
	Pressure irrigation tube Ø 5 mm WL 310 mm	5.0 mm	310 mm	8383.913
for use of 5 mm auxiliary instruments				
	Suction irrigation tube Ø 10 mm WL 225 mm	10.0 mm	225 mm	8385.942
Capacity 5.0 mm	Suction irrigation tube Ø 10 mm WL 330 mm	10.0 mm	330 mm	8385.951
 Insulated, with atraumatic preparation tip	Suction irrigation tube mono Ø 10 mm WL 330 mm	10.0 mm	330 mm	8385.944
	required for 8385.951: Sealing attachment with opening and membrane valve, sealing membrane Ø 17 mm			8385.903

ELECTRODES 5.0 MM

MONOPOLAR

		Outer Ø	WL	Product no.
	Coagulation electrode mono Ø 5 mm WL 330 mm	5.0 mm	330 mm	8383.40
	Coagulation electrode mono Ø 5 mm WL 450 mm	5.0 mm	450 mm	8384.40

		Outer Ø	WL	Product no.
	Hook electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	8242.301

		Outer Ø	WL	Product no.
	Hook electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	8383.423
	Hook electrode mono Ø 5 mm WL 420 mm		420 mm	8384.423
	Needle electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	8383.426
	Spatula electrode mono Ø 5 mm WL 340 mm	5.0 mm	340 mm	8383.428

HF connection cable: see page THORAX107/108

ELECTRODES 3.0 MM/4.9 MM

				
		Outer Ø	WL	Product no.
	Hook electrode mono Ø 3 mm WL 470 mm	3.0 mm	470 mm	84420.0003

				
		Outer Ø	WL	Product no.
 Curved to the left	Hook electrode mono Ø 4.9 mm WL 330 mm	4.9 mm	330 mm	84420.0004
 Curved to the right	Hook electrode mono Ø 4.9 mm WL 330 mm	4.9 mm	330 mm	84420.0006
 Curved	Hook electrode mono Ø 7 mm WL 335 mm		335 mm	84420.0005

NEEDLE HOLDER / KNOT PUSHER 5 MM

		Outer Ø	WL	Product no.
 Curved	Needle holder Ø 5.0 mm WL 300 mm	5.0 mm	300 mm	8242.451

		Outer Ø	WL	Product no.
	Hook probe TL 350 mm, SZ 5 mm	5.0 mm	350 mm	8243.461

ERAGON modular

MODULAR KNOT PUSHER Ø 5.0 MM, INSULATED

		Handle, axial			
					
All jaw inserts and sheath tubes can also be combined with ERAGONaxial .		with lock	without lock, with HF connector	without lock, with HF connector	with lock, not rotatable
Rotatable knob	Product no.	83930082	83930083	83930084	83930085
	8988	•	•	•	•

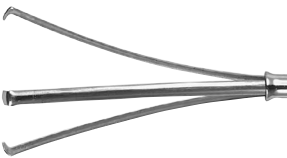
Jaw insert					Handle	Complete instrument • Jaw insert with sheath tube • Handle
			SL 330 mm	SL 450 mm	with lock, without HF	
	JL*	Product no.	8393933	8394933	83930072	Product no.
Knot pusher Ø 5 mm bndl	17 mm	8393.345	•		•	83933457
with distal recess, double-action		8394345		•	•	83943457

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page Thorax109

CANNULA / SPONGE FORCEPS 3 MM

				
with Luer connector		Outer Ø	WL	Product no.
 Tip Ø 1.4 mm	Injection cannula Ø 3 mm WL 340 mm	3.0 mm	340 mm	8379.732

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

V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

bee-system II

Sternum saw



		Product no.
bee-system II Sternum saw	with keyless top for sternum (F-30-400-05)	F-31-601-00

Accessories: see page Thorax105

- Precise incision with excellent visibility
- Easy clamping of the saw blade (no tools required)
- Use of saw blades with Stryker adapter
- Protection sleeve can be fastened in 4 different positions (locked in each position at 90°)
- Basic model can be used as jigsaw.

Technical data for F-31-601-00	
Handpiece dimensions (without top)	185 x 111 x 206 mm
Handpiece weight (with power pack)	1,750 g
Continuously adjustable speed	0–7,500 cycles/min (level I) / 0–10,000 cycles/min (level II)
Protection class	B, EN 60601-1
Power supply	Internal battery

bee-system II

Power pack

Universal drive unit for all bee-system handpieces



		Product no.
Power pack	Universal drive unit for all bee-system handpieces, latest Li-ion technology.	F-30-900-00
for this: Charging unit: see page Thorax105		

- 1 Power pack for all handpieces
- Contains control device, battery, electronic components, and motor all in one power pack
- Automatic detection of the power parameters depending on the handpiece used
- Unique shelf life, no need to sterilize sensitive components
- Latest battery technology – long service life, no memory effect
- Battery charge control indicator: green, orange, red (discharged)
- White LEDs for additional illumination of the surgical area

Technical data for F-30-900-00	
Dimensions	89 x 87 x 102 mm
Weight	760 g
Model	Li-ion
Max. voltage	16.8 V
Operating voltage (nominal voltage)	14.4 V
Capacity	2.1 Ah
Average charge time	< 90 min

bee-system II

Charging unit



	Product no.
Charging unit (1 charging slot)	F-30-900-50
Charging unit (2 charging slots)	F-30-900-51
Charging unit (4 charging slots)	F-30-900-52

- All charging units display the charge state of the power packs.
- In addition to the charge state, the charging unit displays the charge capacity for each power pack slot.

Technical data for F-30-900-50/51/52	
Dimensions	1 charging slot: 157 x 140 x 79 mm 2 charging slots: 240 x 190 x 130 mm 4 charging slots: 520 x 190 x 130 mm
Weight	1 charging slot: 1,740 g 2 charging slots: 4,939 g 4 charging slots: 8,700 g
Model	Li-ion battery charging unit
Input	100–240 V AC 50–60 Hz 0.9 A
Output	16.8 V DC 2.0 A

bee-system II

Accessories



Accessories for bee-system II

Product no.



Perforated basket with lid, for 1 machine
without rinsing set, reusable

F-31-910-13

Perforated basket with lid, for 2 machines
without rinsing set, reusable

F-31-910-18



Rinsing set
reusable

F-30-910-40



Cleaning brush set
reusable

F-30-910-50



Hi Tech Oil Pen

F-30-900-61



Sterile insert
For using the F-30-900-00 power pack under sterile conditions, reusable

F-30-900-20



Lubrication stand
reusable

F-30-900-10



POAG cable for charging units
for connecting F-30-900-50 or F-30-900-51 or F-30-900-52 to the potential equalization

F-30-900-57

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 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 electrodes, monopolar 			

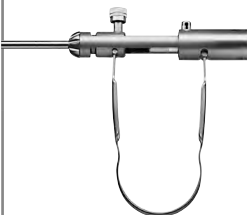
HF CONNECTION CABLE MONO

8106xxx

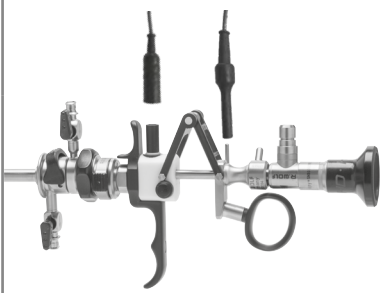
Instrument connector	Device connector		Product no.
WOLF Instruments/surgical generator  HF electrodes, monopolar 		HF connection cable mono L 3 m	8106.032
	ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m	8106.052
		HF connection cable mono L 3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

BIPO HF CONNECTION CABLE

8108xxx

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

HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

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

MONO HF NEUTRAL ELECTRODE CABLE

Instrument connector	Device connector		Product no.
2-pole neutral electrode 	 R. Wolf HF surgical generator 400 kHz 2260001/2260002	Mono HF neutral electrode cable, L 4.5 m	2260031

THORACIC ENDOSCOPY

1

BRONCHOSCOPY

2

PEDIATRIC BRONCHOSCOPY

3

THORACOSCOPY

4

MEDIASTINOSCOPY

4.1

VIDEO MEDIASTINOSCOPE

4.2

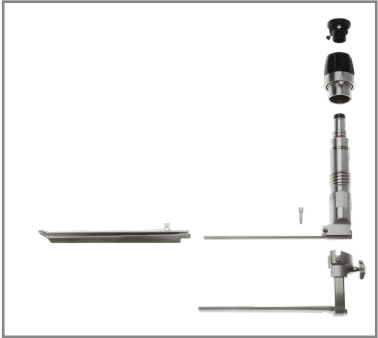
FORCEPS / SCISSORS / CANNULAS

4.3

HF SUCTION DEVICES

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SPREADABLE VIDEO MEDIASTINOSCOPE
with distal and parallel expandable spatula



with distal and parallel expandable spatula	WL	Product no.
Video mediastinoscope bndl consisting of: Video mediastinoscope WL 158 mm (8783.412) Suction irrigation tube OD 2.5 mm WL 165 mm (8783.721) and tool wrench (9500119) Can be disassembled	158 mm	8783.4121

for this:		Product no.
Suction tube OD 3.2 mm TL 176 mm		8783.701

VIDEO MEDIASTINOSCOPE

VIDEO MEDIASTINOSCOPE

4.1

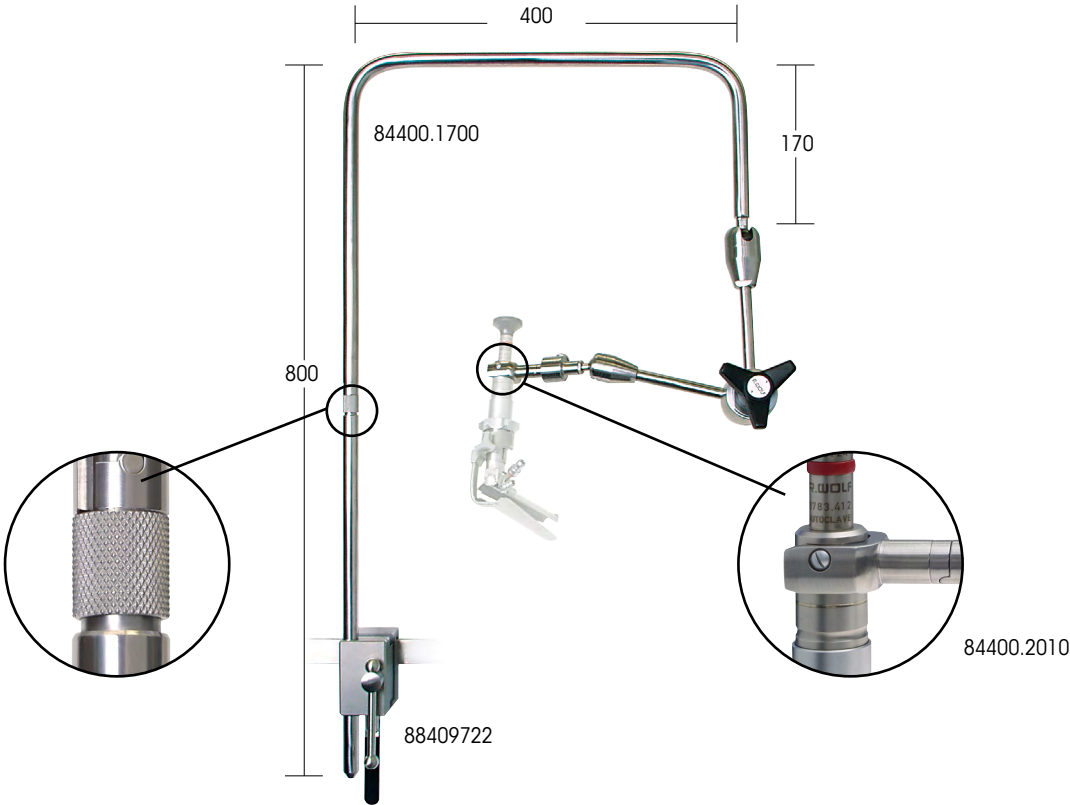
	WL	
	WL	Product no.
Video mediastinoscope bndl consisting of: Video mediastinoscope WL 160 mm (8784.411) Suction irrigation tube OD 2.5 mm WL 165 mm (8783.721)	160 mm	8784.4111

For this:	Product no.	
Suction tube OD 3.2 mm TL 176 mm		8783.701

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V23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

VIDEO MEDIASTINOSCOPE
ACCESSORIES



84400.1700

170

400

800

88409722

84400.2010

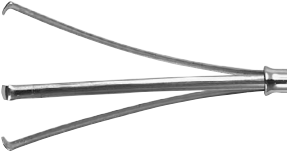
U-shaped support arm for attachment to the operating table (standard rail):		Product no.
U-shaped support arm	detachable, suitable for universal use, for use with universal block (8840.9722) for attachment to the operating table (standard rail), reusable	84400.1700
Fork mount	for mounting video mediastinoscope (8783.412 / 8784.411) on support arm (84400.1700), reusable	84400.2010
Clamp socket	insulated, for attachment to the operating table (standard rail)	88409722

Recommended accessories		Product no.
Perforated basket for video mediastinoscope	(W x H x D) 265 x 85 x 250 mm	38007
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

FORCEPS 3 MM

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

ERAGON *modular
mini*

Ø 3.5 MM, INSULATED

		Handle, axial	
ERAGON <i>axial</i>			
All jaw inserts and sheath tubes can also be combined with ERAGON axial.		without lock, with HF connector	without lock, with HF connector
Rotatable knob	Product no.	83930083	83930084
	8988	•	•

Jaw insert			Sheath tube, Ø 3.5 mm, insulated			Complete instrument • Jaw insert with sheath tube • Handle
						
			WL 240 mm	WL 330 mm	with lock, with HF, mono	
	JL*	Product no.	8390933	8391933	83930074	Product no.
 curved to the left, double-action	15 mm	8390207	•		•	83902077
		8391207		•	•	83912077
 long, fine tip, double-action	18 mm	8390221	•		•	83902217
		8391221		•	•	83912217
 short, fine tip, double-action	14 mm	8390222	•		•	83902227
		8391222		•	•	83912227
 angled, double-action	14 mm	8390223	•		•	83902237
		8391223		•	•	83912237

* JL = jaw length when jaw section closed (approximate measurements)

HF connection cable: see page THORAX107/108

ERAGON *modular
mini*

Ø 3.5 MM, INSULATED

Jaw insert			Sheath tube, Ø 3.5 mm, insulated		Handle, pistol-shaped		Complete instrument • Jaw insert with sheath tube • Handle
			WL 240 mm	WL 330 mm	without lock, with HF, mono	with lock, with HF, mono	
	JL*	Product no.	8390933	8391933	83930073	83930074	Product no.
 Metzenbaum scissors mono Ø 3.5 mm bndl double-action	16 mm	8390215	•		•		83902157
		8391215		•	•		83912157
 Metzenbaum scissors mono Ø 3.5 mm bndl fine-toothed, curved, double-action	14 mm	8390224	•		•		83902247
		8391224		•	•		83912247
 Hook scissors mono Ø 3.5 mm bndl single-action	8 mm	8390227	•		•		83902277
		8391227		•	•		83912277
 Double spoon forceps mono Ø 3.5 mm bndl	12 mm	8390216	•			•	83902167
		8391216		•		•	83912167
 Friedel punch mono Ø 3.5 mm bndl	10 mm	8390217	•			•	83902177
		8391217		•		•	83912177

Accessories for manual and machine reprocessing		Product no.
	Irrigation adapter Ø 9 mm, length 64 mm	163502

HF COAGULATION SUCTION TUBE



monopolar		Ø	WL	Product no.
	HF coag. suction tube OD 3.1 mm WL 210 mm	3.1 mm	210 mm	8291.101
	HF coag. suction tube OD 4.1 mm WL 210 mm	4.1 mm		8291.102
	HF coag. suction tube OD 4.2 mm WL 230 mm	4.2 mm	230 mm	84420.2007
	HF coag. suction tube OD 5.2 mm WL 230 mm	5.2 mm	230 mm	84420.4007



Bipolar		Ø	WL	Product no.
	HF coag. suction tube OD 4.5 mm WL 250 mm	4.5 mm	250 mm	8188.02

HF connection cable and bipolar connection cable: see page THORAX107–110

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HF COAGULATION SUCTION TUBE / SUCTION TUBE



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



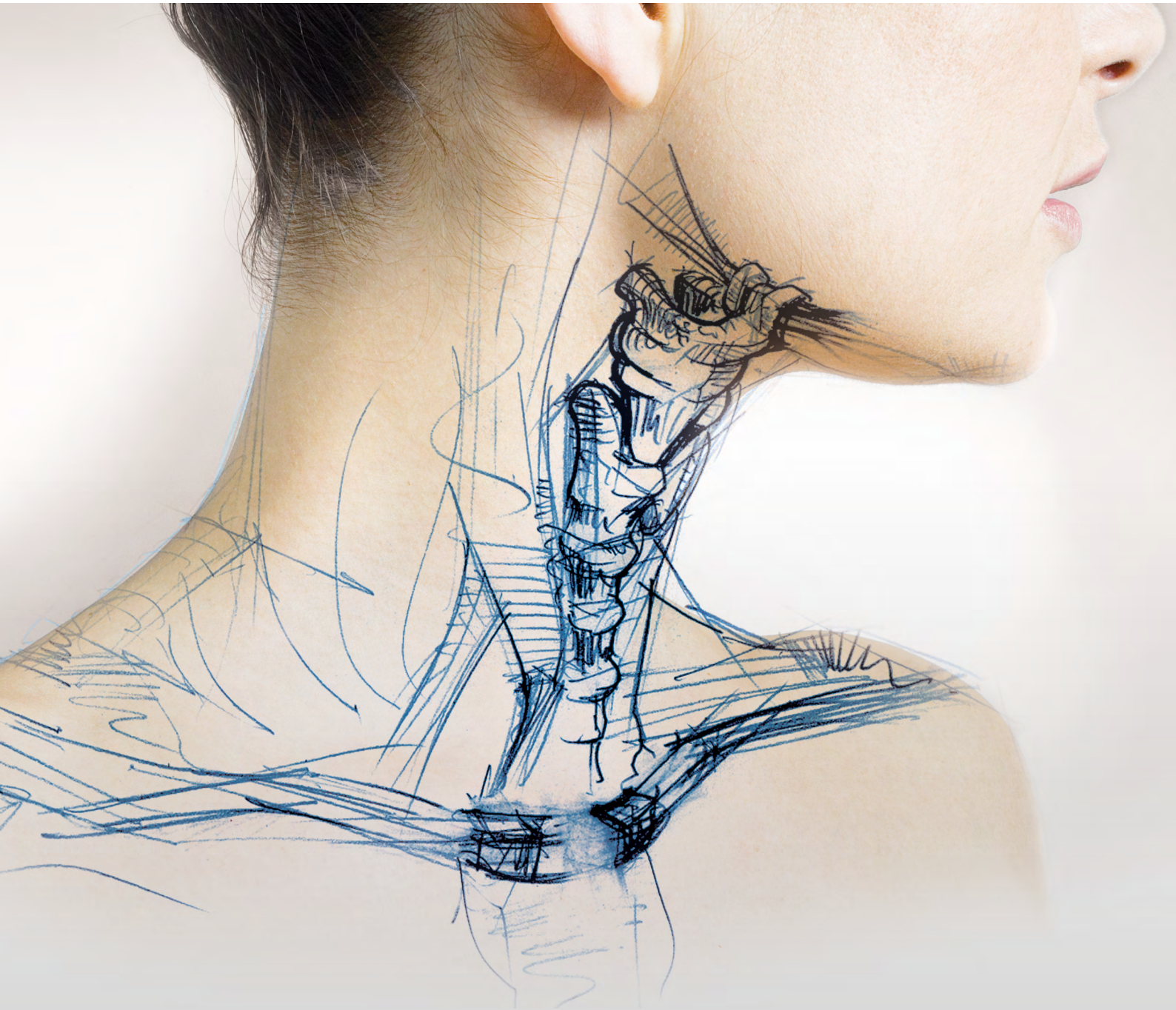
Bipolar		Ø	WL	Product no.
	Suction tube, bipo Ø 3.2 mm WL 240 mm	3.2 mm	240 mm	8289.24

HF connection cable and bipolar connection cable: see page THORAX107–110

Subject to modifications.

THORAX en051223





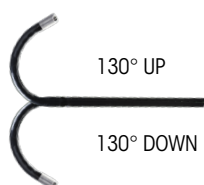
LARYNGOSCOPY

LARYNGOSCOPY

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

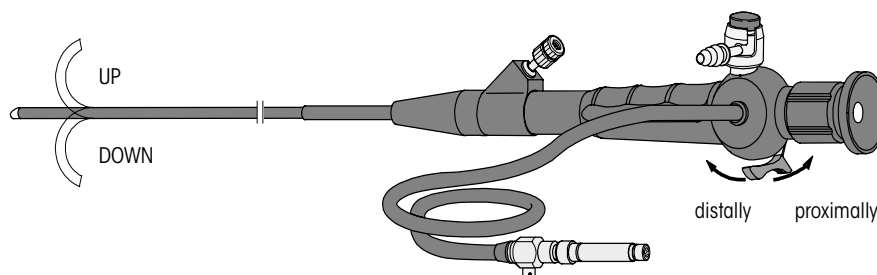
FIBER NPL ENDOSCOPE

3.5 MM



	Ø	Direction of view	AnTLe of view	WL	TL	Product no.
Fiber NPL endoscope Ø 3.5 mm WL 300 mm	3.5 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)
AnTLe	130° upward, 130° downward
Resolution	82,000 pixels
Fiber optics cables	Permanently connected
Eyepiece	ISO standard
AnTLe 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
Endoscope-side adapter				8095.00
Biopsy valve bundle consisting of: Biopsy valve receptacle (7265.851) and sealing valve (15114.052) (PU = 20 PCS)				7265.8511
Valve insert, bndl				15114.054
Sealing membrane (PU = 20 PCS) (blue)				15479.014
Tappet, bndl				15114.057
Irrigation and probe attachment				7265.751

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

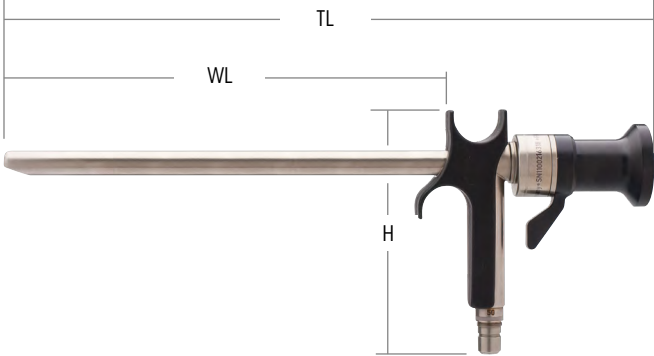
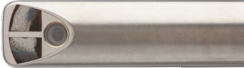
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LARYNGO-PHARYNGOSCOPE

Lula 2.0

Laryngo-pharyngoscope

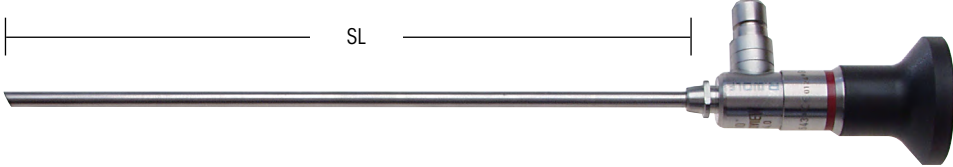
1.1

		AUTOCCLAVE 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

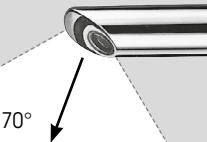
Recommended accessories		Product no.
Fiber light cable bndl consisting of: fiber light cable (80665023), projector-side adapter (8095.07), and endoscope-side adapter (809509)		Ø 3.5 mm, 2.3 m long 806650231

PANOVIEW TELESCOPE

Ø 4 MM



AUTOCLAVE
134° C / 273° F

		Ø	WL	TL	Product no.
 70°	PANOVIEW Telescope 70° Ø 4mm SL 176mm	4 mm	176 mm	238 mm	8880.545

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

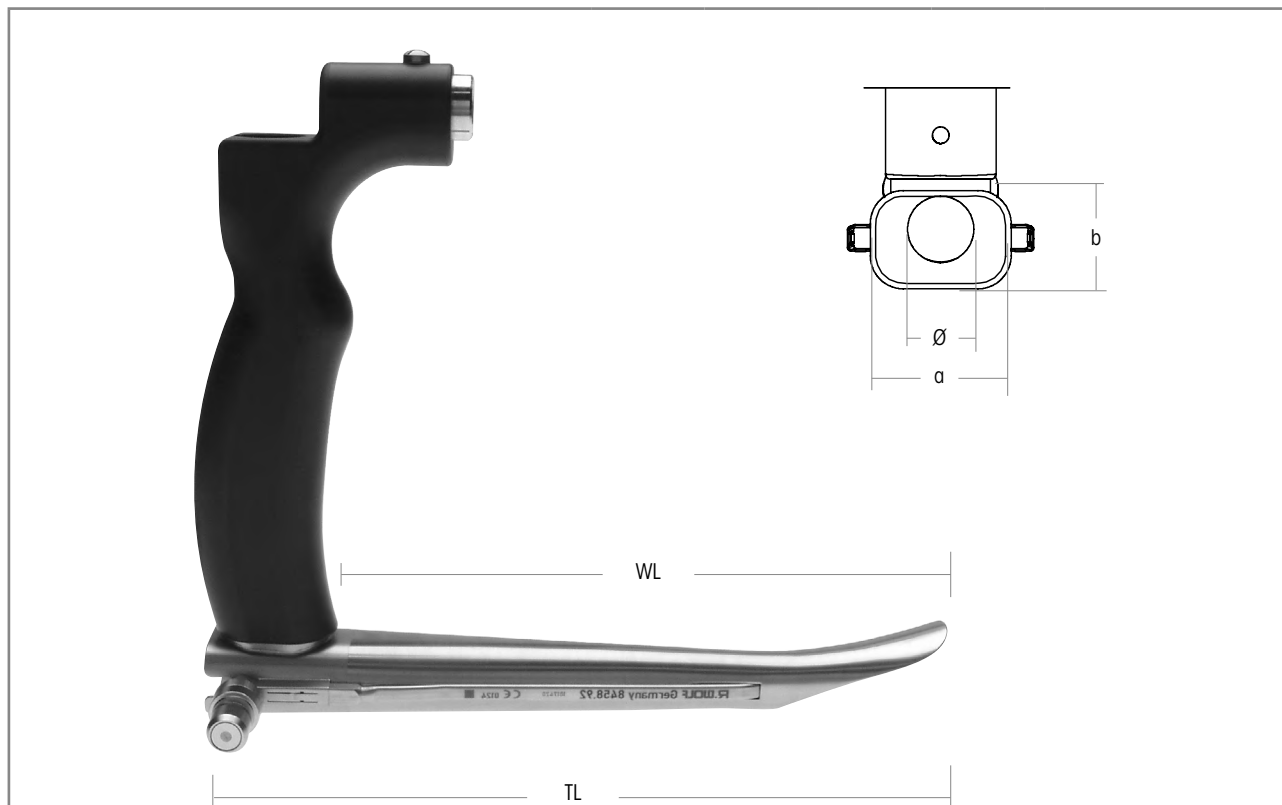
LARYNGOSCOPES

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

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



	Outer dimensions		WL	TL	Product no.
	distally Ø	proximally a x b			
OP-Laryngoscope WL 142mm with universal handle for all support and holding systems	12 mm	25.5 mm x 18 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

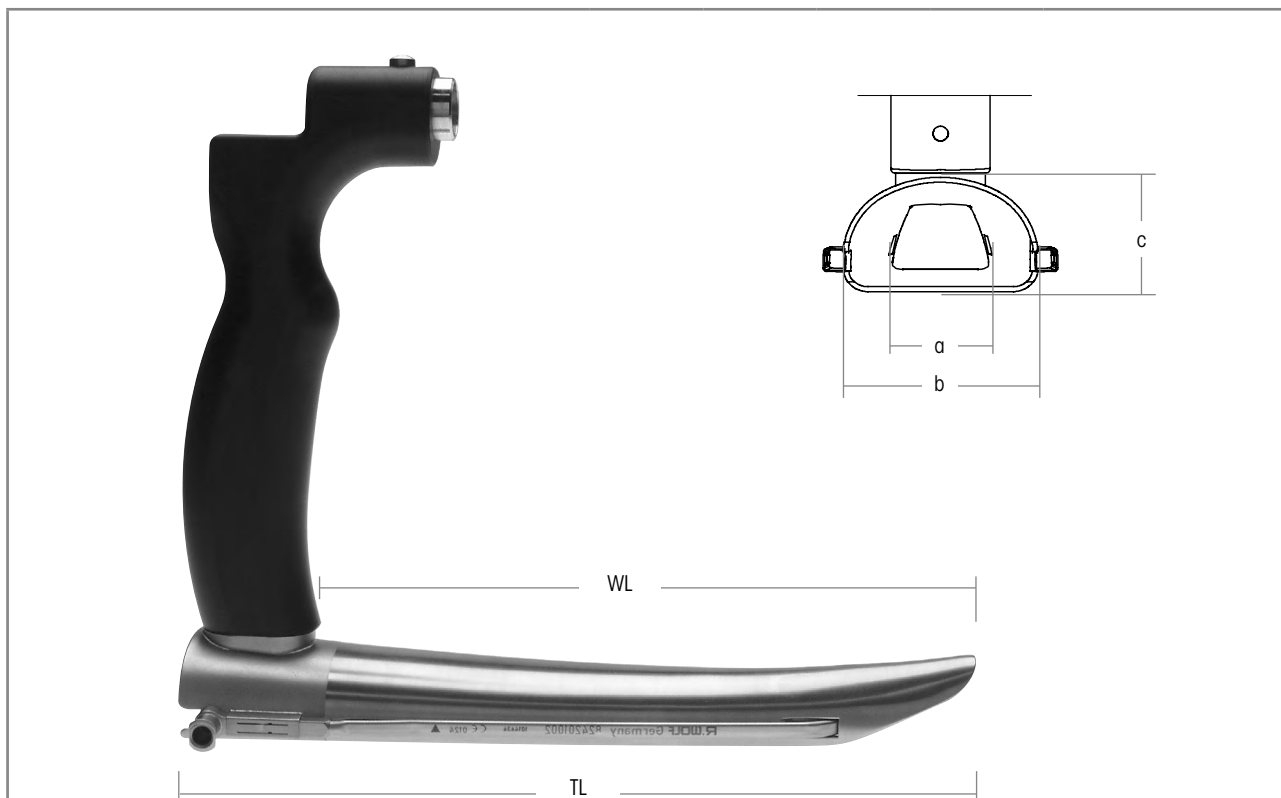
CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
AND INSUFFLATION / SUCTION TUBE

	Outer dimensions		WL	TL	Product no.
	distally Ø	proximally a x b			
Operating laryngoscope WL 123 mm with universal handle for all support and holding systems	17.5 mm	39 mm x 24 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

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



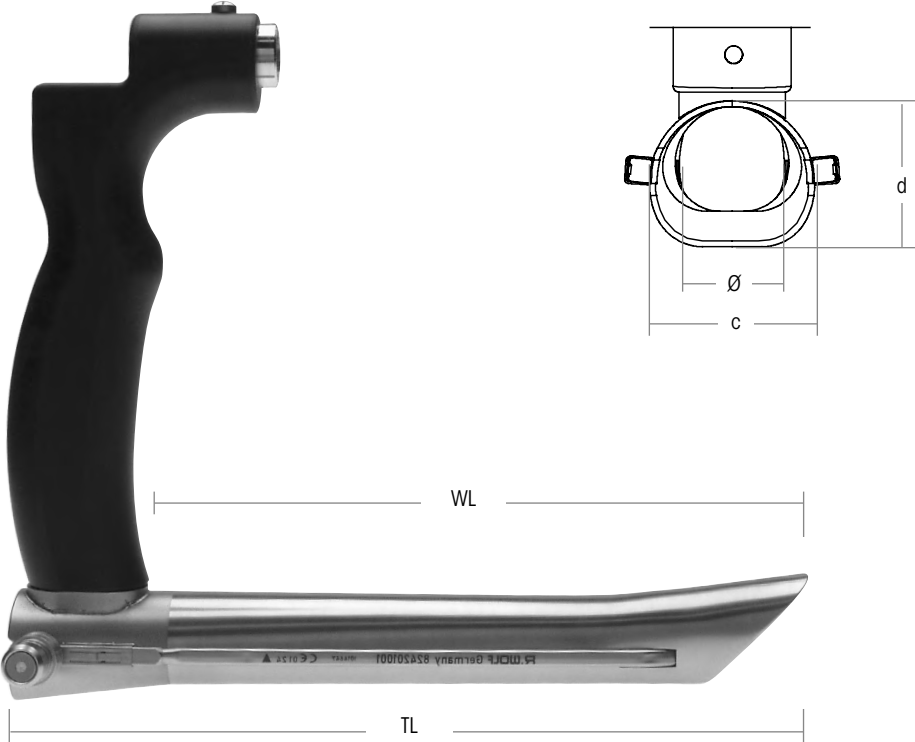
	Outer dimensions		WL	TL	Product no.
	distally a	proximally c x d			
Operating laryngoscope WL 152 mm with universal handle for all support and holding systems	13.5 mm	39 mm x 23 mm	152 mm	180 mm	824203000

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

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

OPERATING LARYNGOSCOPE

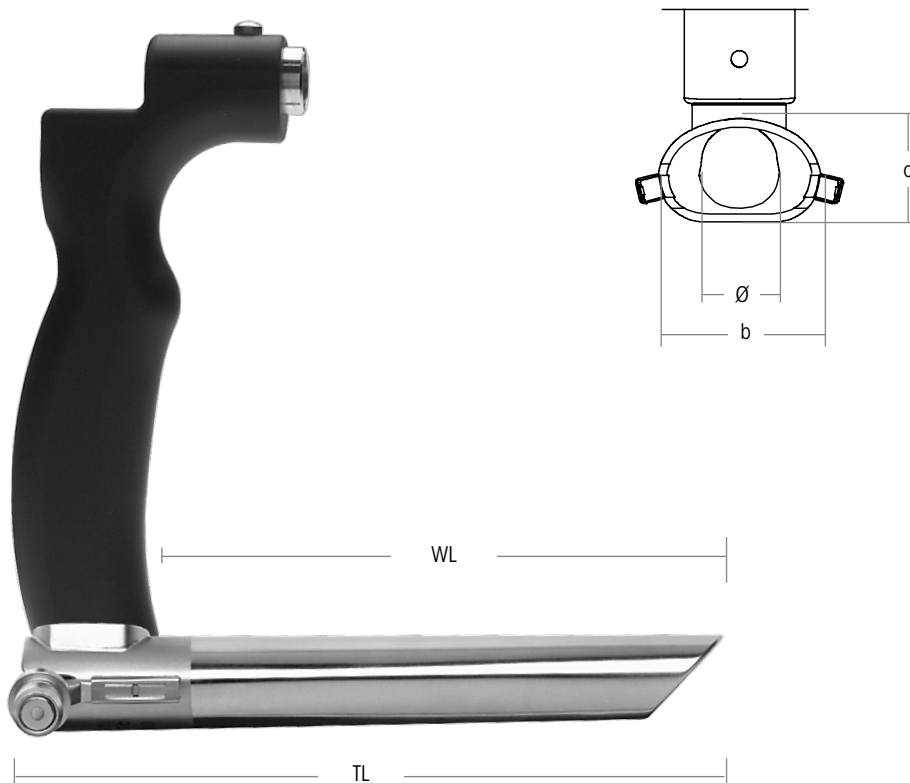
CAN BE USED WITH EITHER INTERNAL OR EXTERNAL LIGHT ROD
AND INSUFFLATION / SUCTION TUBE



	Outer dimensions		WL	TL	Product no.
	distally Ø	proximally a x b			
OP-Laryngoscope WL 149mm with universal handle for all support and holding systems	16.5 mm	28 mm x 24.5 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

LARYNGOSCOPE



	OP-Micro-laryngoscope	Light rod for laryngoscope	Size	Inner dimensions	Outer dimensions	WL	TL	Product no.
				distally Ø	proximally c x d			
Laryngoscope bndl consisting of: operating microlaryngo- scope and light rod for laryngoscope with universal handle for all support and holding systems	8449.32	8449.31	A	13 mm	21 mm x 14 mm	103 mm	134 mm	8449.321
	8449.22	8449.11	B	14.4 mm	26 mm x 16 mm	153 mm	184 mm	8449.221
	8449.12	8449.11	C	14 mm	30 mm x 20 mm	153 mm	183 mm	8449.121

Required:	Product no.
Chest support for operating laryngoscopes 	8449.911

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

OPERATING LARYNGOSCOPE

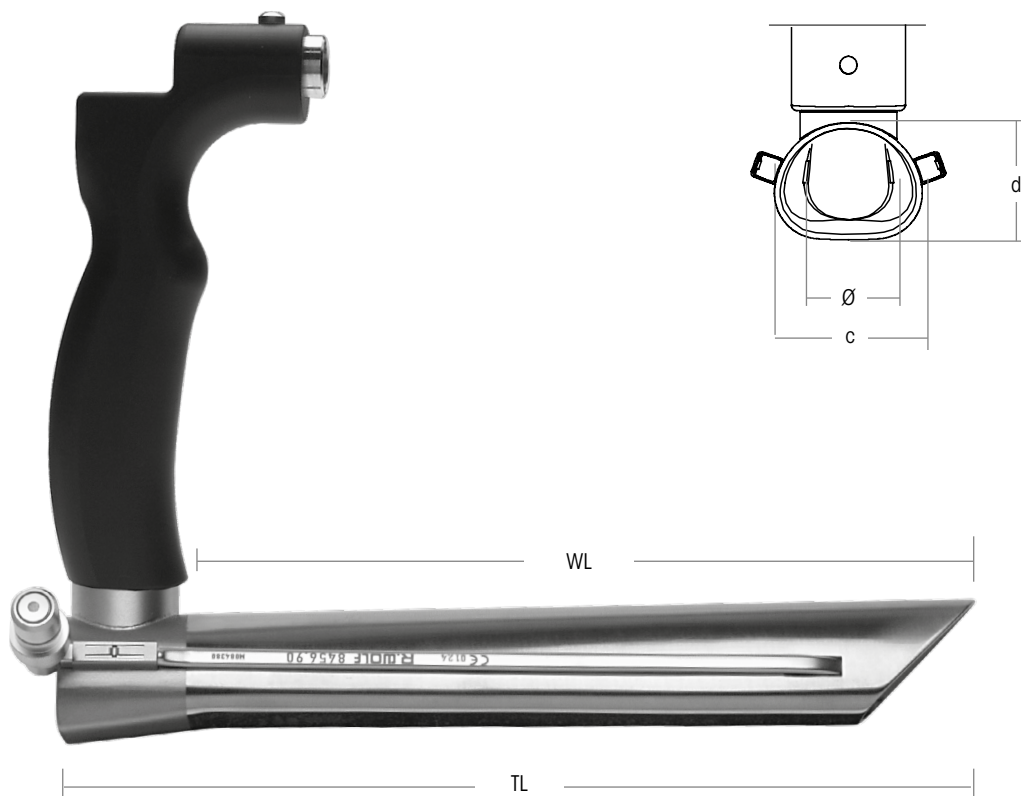
FOR ANTERIOR CORRECTION

WL

TL

	Operating laryngo-scope	Light rod for laryngoscope	Insufflation / suction tube	Inner dimensions		WL	TL	Product no.
				distally Ø	proximally c x d			
Laryngoscope bndl consisting of: operating laryngoscope, light rod for laryngoscope, and insufflation / suction tube with universal handle for all support and holding systems	8446.22	8456.90	8456.95	16 mm	32 mm x 15 mm	154 mm	184 mm	8446.221
Required:								Product no.
Chest support for operating laryngoscopes 							8449.911	

OPERATING LARYNGOSCOPE FOR ANTERIOR CORRECTION

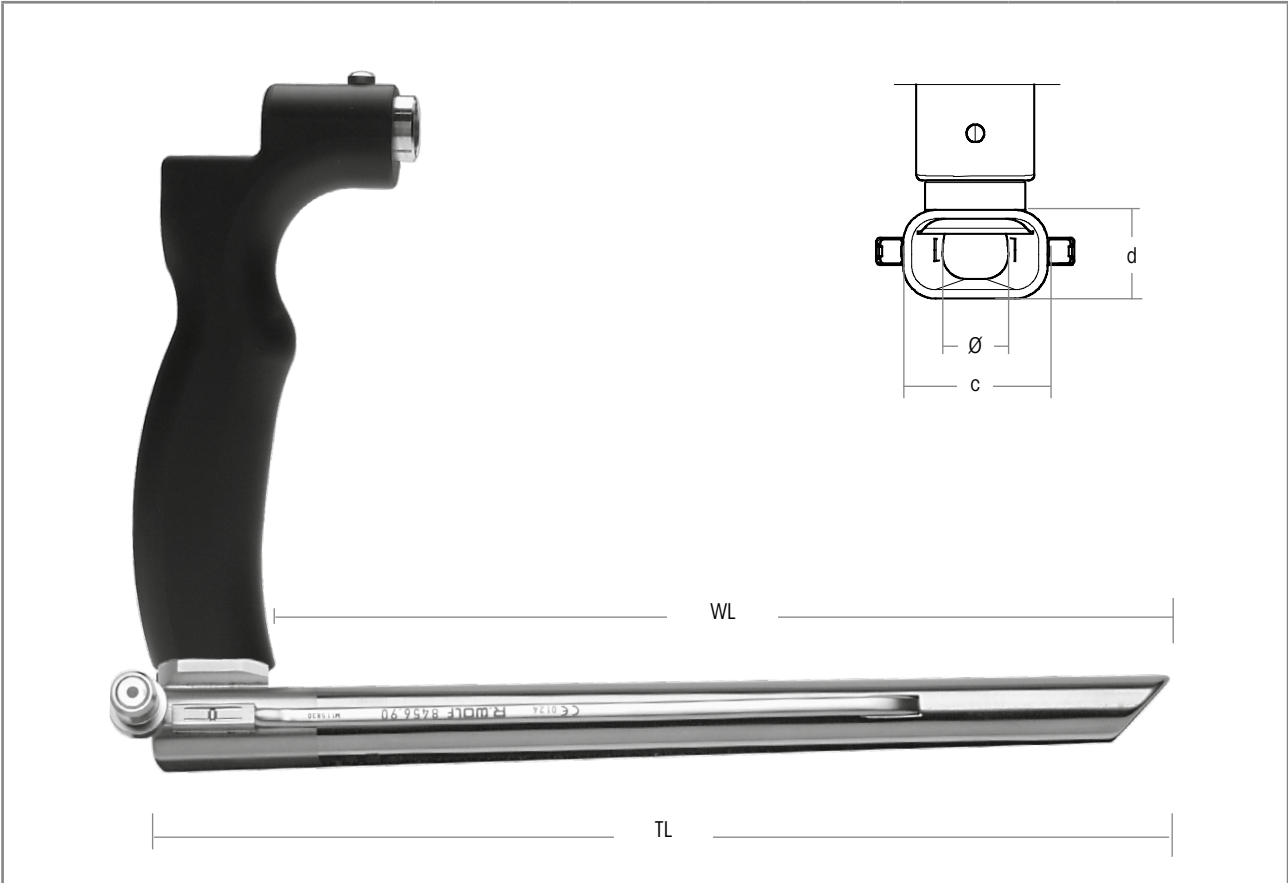


	Operating laryngoscope	Light rod for laryngoscope	Insufflation / suction tube	Inner dimensions		WL	TL	Product no.
				distally Ø	proximally c x d			
Laryngoscope bndl consisting of: operating laryngoscope, light rod for laryngoscope, and insufflation / suction tube with universal handle for all support and holding systems	8458.03	8458.92	8458.97 TL 124 mm	13 mm	24 mm x 19 mm	113 mm	144 mm	8458.031

Required:	Product no.
Chest support for operating laryngoscopes 	8449.911

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

SUBTLOTTOSCOPE



	Operating laryngo- scope	Light rod for laryngoscope	Insufflation / suction tube	Inner dimensions		WL	TL	Product no.
				distally Ø	proxi- mally c x d			
SubTLottoscope 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	12 mm	21.5 mm x 12 mm	175 mm	206 mm	8456.1011

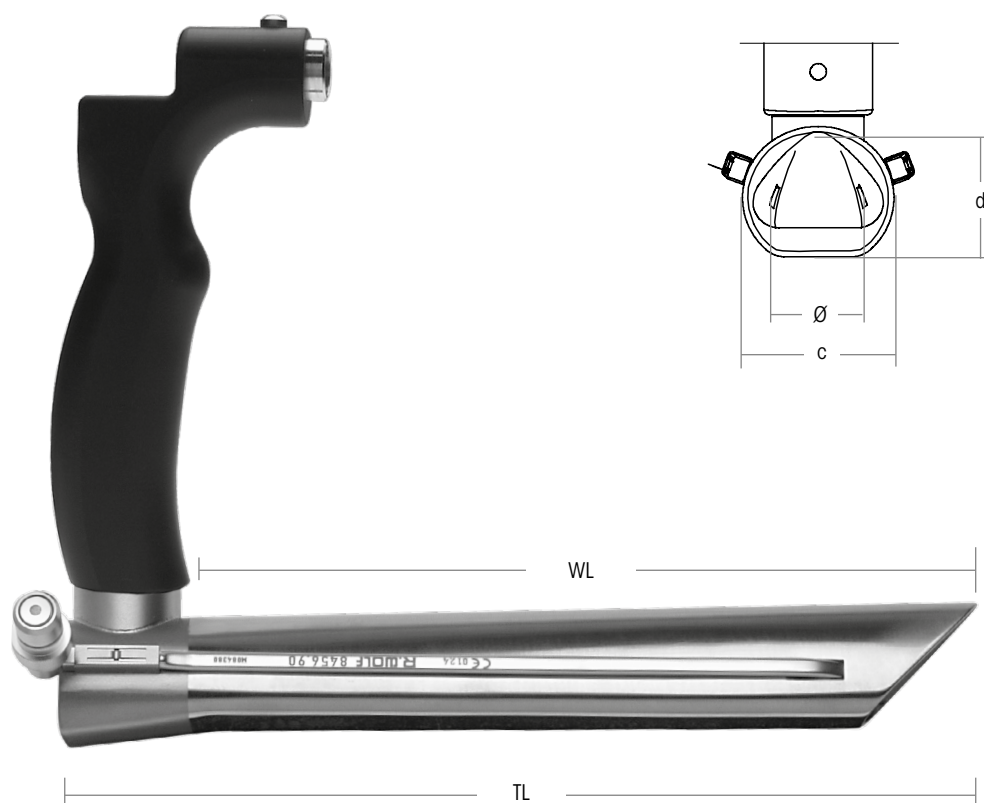
Required:		Product no.
Chest support for operating laryngoscopes 		8449.911

OPERATING LARYNGOSCOPE FOR LASER PROCEDURES

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LARYNGOSCOPES

1.3



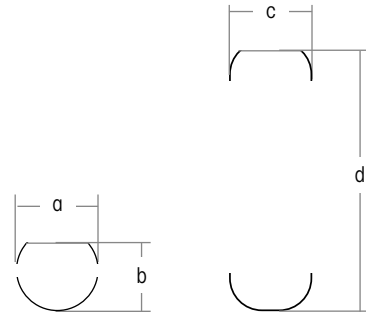
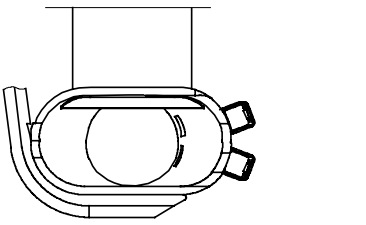
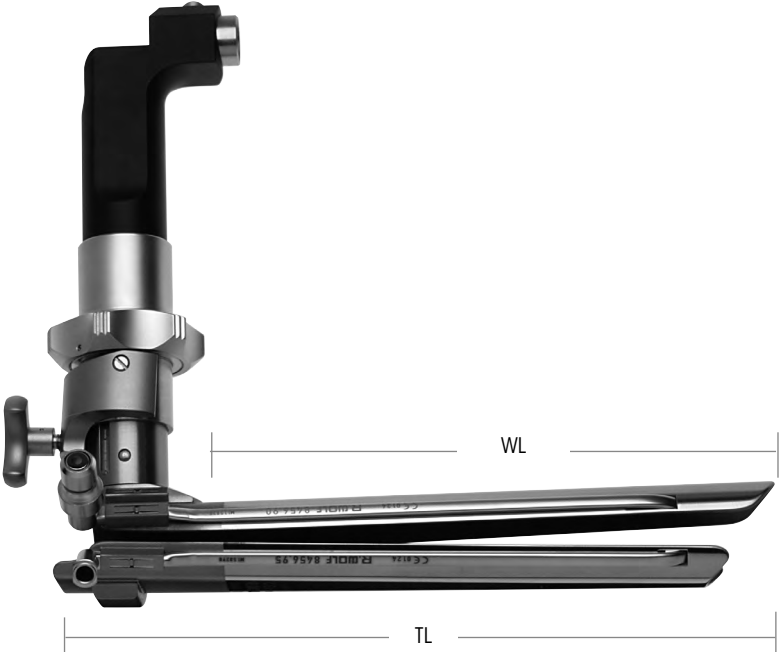
	Outer dimensions		WL	TL	Product no.
	distally Ø	proximally c x d			
Operating laryngoscope WL 153 mm with universal handle for all support and holding systems	14 mm	26 mm x 22 mm	153 mm	184 mm	8458.011

Required:		Product no.
External		
Light rod for laryngoscope		8456.90
Insufflation / suction tube TL 158 mm		8456.95
Chest support for operating laryngoscopes 		8449.911

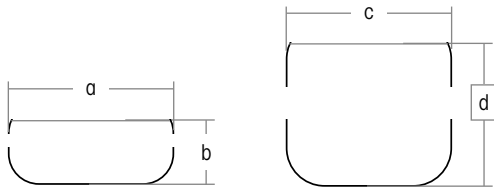
v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

LARYNGOSCOPE

FROM STEINER



Internal dimensions and distal spread



Internal dimensions and proximal spread

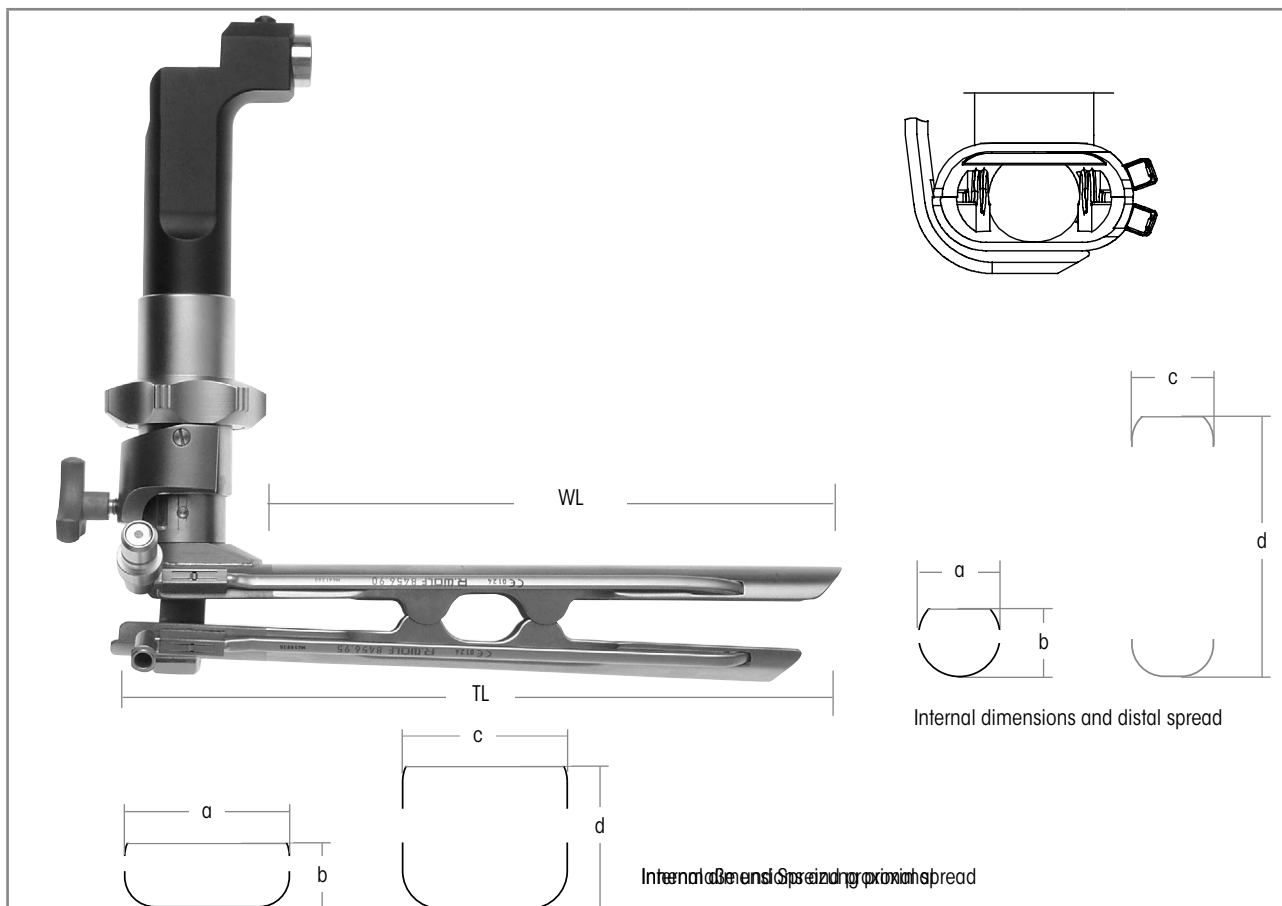
	Operating laryngo-scope	Light rod for laryngo-scope	Insufflation / suction tube	Internal dimensions and spread		WL	TL	Product no.
				proximally a x b c x d	distally a x b c x d			
Laryngoscope bndl consisting of: operating laryngoscope, light rod for laryngoscope, and insufflation / suction tube with universal handle for all support and holding systems	8456.01	8456.90	8456.95	(a x b) 32 x 12,5 mm (c x d) 32 x 27,5 mm	(a x b) 16 x 13,5 mm (c x d) 16 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

LARYNGOSCOPE

FROM POTOTSCHNIG



	Operating laryngoscope	Light rod for laryngoscope	Insufflation / suction tube	Internal dimensions and spread		WL	TL	Product no.
				proximally a x b c x d	distally a x b c x d			
Laryngoscope bndl consisting of: operating laryngoscope, light rod for laryngoscope, and insufflation / suction tube Straight spatula, with protection against soft tissue contusions, external light rod, and insufflation / suction tube, with universal handle for all support and holding systems	8457.011	8456.90	8456.95	(a x b) 32 x 12,5 mm (c x d) 32 x 27,5 mm	(a x b) 16 x 13,5 mm (c x d) 16 x 53 mm	148 mm	200 mm	8457.0111

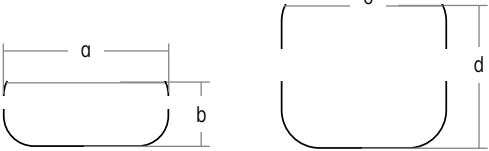
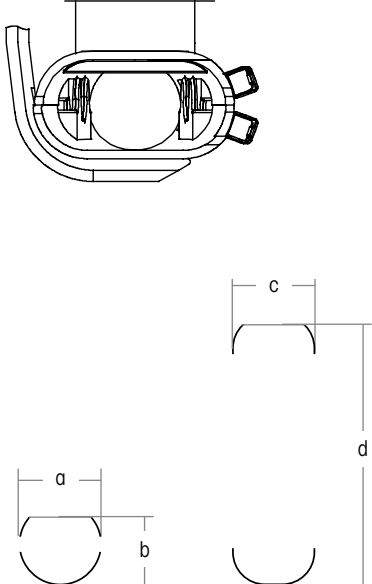
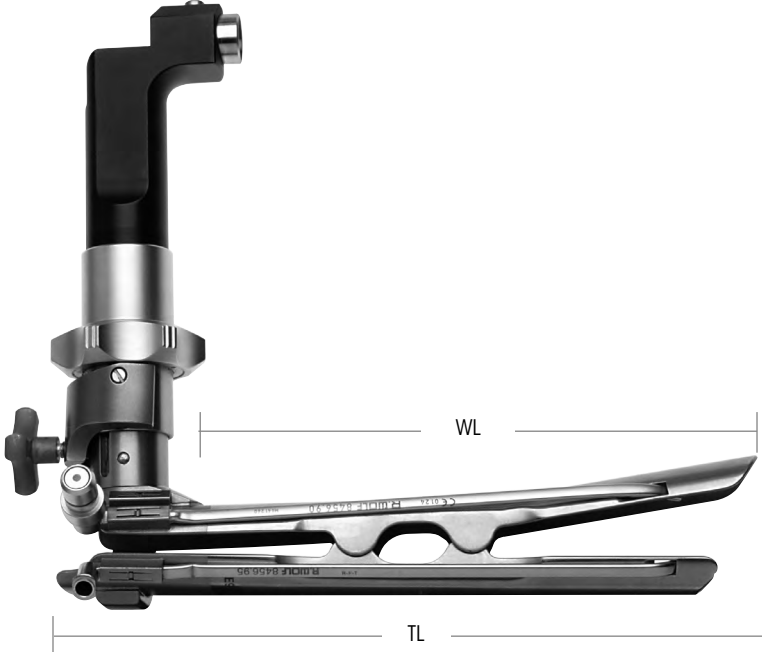
The light rod as well as the insufflation and suction tube can be adapted on either the right or the left side.

Required:		Product no.
Chest support for operating laryngoscopes		8449.911

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OPERATING LARYNGOSCOPE

FROM POTOTSCHNIG-REMACLE



Internal dimensions and distal spread

Internal dimensions and proximal spread

	Innenmaße und Spreizung		WL	TL	Artikel-Nr.
	proximal a x b c x d	distal a x b c x d			
OP-Laryngoskop WL 147 mm distal aufgebogener Spatel, mit Schutz vor Weichteilquetschungen, AußeWLiegender Lichtleitstab und Insufflations-Absaugrohr, mit Universal-Handgriff für alle Stütz-und Haltesysteme	(a x b) 32 x 12,5 mm (c x d) 32 x 27,5 mm	(a x b) 16 x 13,5 mm (c x d) 16 x 73 mm	147 mm	200 mm	82420.0000

Lichtleitstab sowie Insufflations- und Absaugrohr können wahlweise rechts oder links adaptiert werden.

Required:	Product no.
External	
Light rod for laryngoscope	8456.90
Insufflation / suction tube TL 158 mm	8456.95
Chest support for operating laryngoscopes 	8449.911

CHEST SUPPORT FOR OPERATING LARYNGOSCOPES



AUTOCLAVE
134° C / 273° F

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

FORCEPS 3 MM

FOR TUMOR SURGERY

				
		Ø	WL	Product no.
 rippled	Grasping forceps, small WL 230 mm	3.0 mm	230 mm	8283.51
 rippled	Grasping forceps, medium WL 245 mm	3.0 mm	245 mm	8283.52
 rippled	Grasping forceps, large WL 240 mm	3.0 mm	240 mm	8283.53

PROBE / KNOT PUSHER / KNIFE

PROBE / KNOT PUSHER / KNIFE

1.6

				
		Jaw insert	TL	Product no.
	Probe, blunt TL 265 mm	anTLed	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	anTLed 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

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 anTLed			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

v23 || Subject to modifications. Please note that some products may not be available in all countries. Please always take note of the information that is provided with the product. For more detailed information, please consult with your contact partner or directly with Richard Wolf GmbH.

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
		HF connection cable mono L 5 m	815.052
		HF connection cable mono L 3 m	815.132
		HF connection cable mono L 5 m	815.152
		HF connection cable mono L 3 m	815.031
		HF connection cable mono L 5 m	815.051
		HF connection cable mono L 3 m	815.033
		HF connection cable mono L 5 m	815.053
		HF connection cable mono L 3 m	815.034
		HF connection cable mono L 5 m	815.054
HF electrodes, monopolar  			

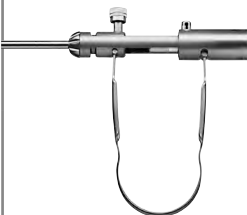
HF CONNECTION CABLE MONO

8106xxx

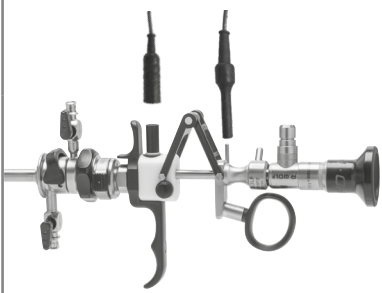
Instrument connector	Device connector		Product no.
WOLF Instruments/surgical generator  HF electrodes, monopolar 		HF connection cable mono L 3 m	8106.032
	ERBE (ACC/ICC/VIO)/BOWA (EU) R. Wolf HF surgical generator 400 kHz 2260002	HF connection cable mono L 5 m	8106.052
		HF connection cable mono L 3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

BIPO HF CONNECTION CABLE

8108xxx

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

HF CONNECTION CABLE BIPO FOR RESECTION IN SALINE SOLUTION

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

Subject to modifications.

LAR/NVen051223

