



**VETERINARY ENDOSCOPY**  
**– LARGE ANIMALS –**

9th EDITION 1/2021

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# THE WORLD OF ENDOSCOPY

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

For this reason, some products requiring certification under this Regulation may not be available in every country.



Information on events is available on the KARL STORZ website  
[www.karlstorz.com](http://www.karlstorz.com)

## VETERINARY ENDOSCOPY – LARGE ANIMALS –

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# Important Notes:

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

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

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

## Standardized Design and Labeling

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

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

## Original or Counterfeit

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

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

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

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# ENDOGRAM – New in Catalog

## VETERINARY ENDOSCOPY – LARGE ANIMALS –

### 9th EDITION 1/2021

The following products have been added to the KARL STORZ product line:

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# VIDEOENDOSCOPES







## Videoendoscopes

KARL STORZ's videoendoscope range sets new standards for image quality. In digital processing technology, high resolution CCD chips and an enhanced optical system results in endoscopes that produce images with unique clarity. The images are distinguished

by extreme brightness, resolution, size and depth of field. By incorporating two diametrically opposed light bundles and intelligent digital processor control, evenly illuminated images are provided, even under difficult lighting conditions.

### Special features:

- One camera control unit for use with video-endoscopes, fiberscopes and rigid telescopes
- High resolution, true colour video images
- Large depth of field
- Evenly illuminated, bright images – even under difficult lighting conditions
- 120° – 140° wide angle endoscopes with high light transmitting capacity
- New, sensitive control unit
- Optimal location of controls
- Anti-rotational insertion sheath
- Non-twisting supply tube with standard connection

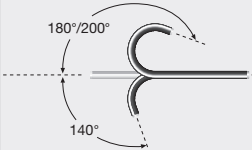
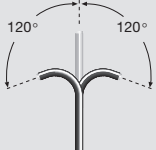
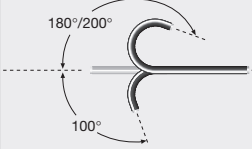
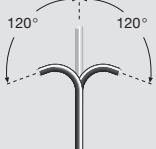
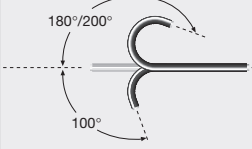
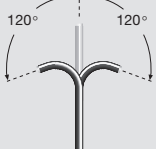
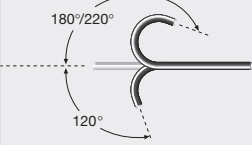
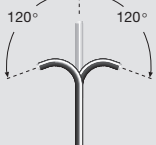


## Flexible Videoendoscopes

Flexible Video Gastrosopes and Bronchoscopes	Order No.		Sheath Diameter	Working Channel Diameter	Working Length	
	PAL	NTSC				
13 mm x 325 cm	60332 PKSK	60332 NKSK	13 mm	3.4 mm	325 cm	
10.4 mm x 300 cm	60130 PKSK	60130 NKSK	10.4 mm	2.8 mm	300 cm	
10.4 mm x 180 cm	60118 PKSK	60118 NKSK	10.4 mm	2.8 mm	180 cm	
9.7 mm x 140 cm	60914 PKSK	60914 NKSK	9.7 mm	2.8 mm	140 cm	

10-994






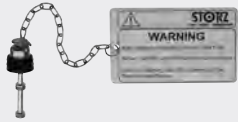


**Accessories** see pages 6-9

	Deflection up/down	Deflection left/right	Field of Vision	Depth of Field	Accessories including
					Cleaning Brush included
			140°	2 – 200 mm	60652 LL
			140°	2 – 200 mm	60651 LL
			140°	2 – 200 mm	27651 H
			140°	2 – 200 mm	27651 H






# Accessories

for Flexible Videoendoscopes


## Accessories included:

	<p>13991 SS    <b>Irrigation Tube</b>, reusable, for the working channel of flexible videoendoscopes</p>
	<p>13991 YS    <b>Y-Irrigation Tube</b>, reusable, for flexible videoendoscopes</p>
	<p>11025 XE    <b>Pressure Compensation Cap</b>, ETO, for ventilation during gas and plasma sterilization</p>
	<p>13242 LX    <b>Leakage Tester</b></p>
	<p>13991 DA    <b>Sealing Cap</b>, for working channel, package of 10</p>
	<p>13991 RV    <b>Cleaning Valve</b>, reusable</p>
	<p>13991 LV    <b>Suction Valve</b>, reusable</p>
	<p>13991 SV    <b>Air/Water Valve</b>, reusable</p>

**Accessories included:**

	13991 VB <b>Valve Brush</b> , for videoendoscopes, with thumb ring for brushing the valve cavity, diameter 12 mm, length 50 mm
	13992 BS <b>Water Bottle</b> , 250 ml
	27656 B <b>Instrument Oil</b> , 50 ml, silicone-free, not included with 60714 PKSK/NKSK, not for use with white O-rings
	20 2130 70 <b>Video Connecting Cable</b>
	13990 SFN <b>Protective Film</b>
	27677 KV <b>Case</b>






**Cleaning Brushes, specific to endoscope model, see page 5**

	27651 H <b>Cleaning Brush</b> , flexible, brush diameter 5 mm, length 230 cm
	60651 LL <b>Cleaning Brush</b> , flexible, brush diameter 5 mm, length 350 cm
	60652 LL <b>Cleaning Brush</b> , flexible, brush diameter 5 mm, length 400 cm
	110910-50* <b>Cleaning Brush</b> , with double-sided brush, length 220 cm, brush diameter 5 mm, unsterile, for single use, package of 50 

# Accessories

for Flexible Videoendoscopes

## Optional Accessories, not included:

	<p>610 VE <b>Silicone Tubing Set</b>, for insufflation when using an external insufflation pump and Adaptor 487 VE or 69487 KVE</p>
	<p>TC 013 <b>IMAGE1 S™ Videoendoscope Adaptor 90°</b>, color systems PAL/NTSC, angled 90°, length 50 cm, for use with IMAGE1 S™ X-LINK TC 301</p>
	<p>20 1000 31 <b>Irrigation Bottle Holder</b></p>
	<p>110922-100* <b>Valve Brush</b>, double-sided, brush diameters 10 mm and 5 mm, brush lengths 33 mm and 20 mm, with thumb ring for brushing the valve seat, unsterile, for single use, package of 100, for use with flexible endoscopes</p>
	<p>60647 V <b>Cleaning and Disinfection Basin</b>, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm including: <b>Soak Basin</b> <b>Perforated Storage Tray</b> <b>Lid</b></p>



for use with 60332 PKS/NKS, 60130 PKS/NKS, 60180 PKS/NKS, 60914 PKS/NKS



13991 CK  
**NEW**

**Gastro Cleaning Tubing Set**, for the cleaning and disinfection of videoendoscopes in gastroenterology, especially for use with washers/disinfectors with one-channel monitoring

including:

**Double Valve Seal**

**Leakage Tester Adaptor**

**Suction Port Adaptor**

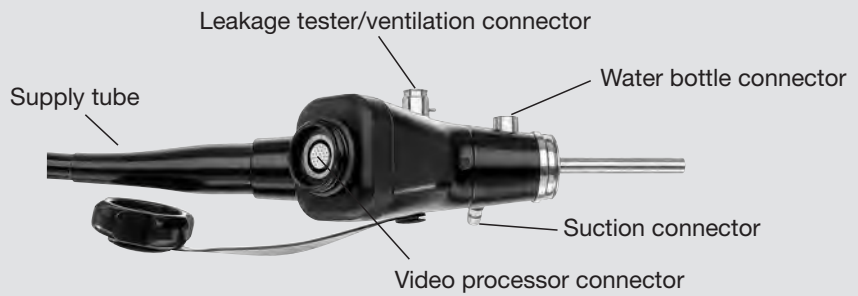
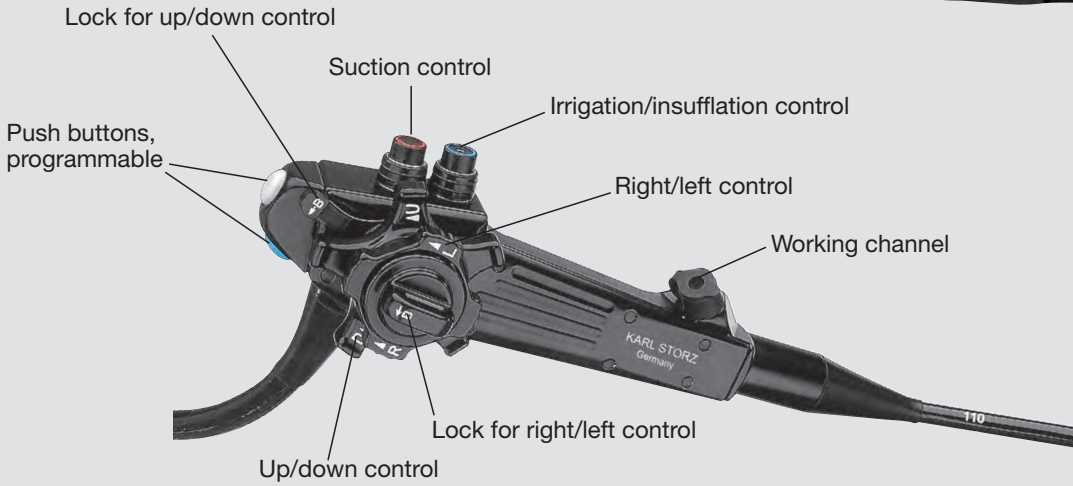
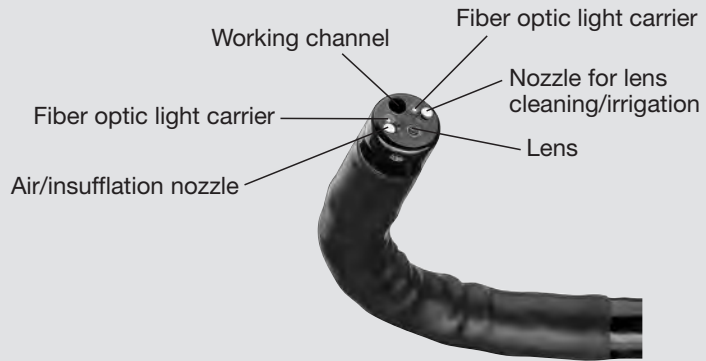
**A/W Port Adaptor**

**Irrigation Tube**, reusable

# Flexible Videoendoscopes

**Specifications:**

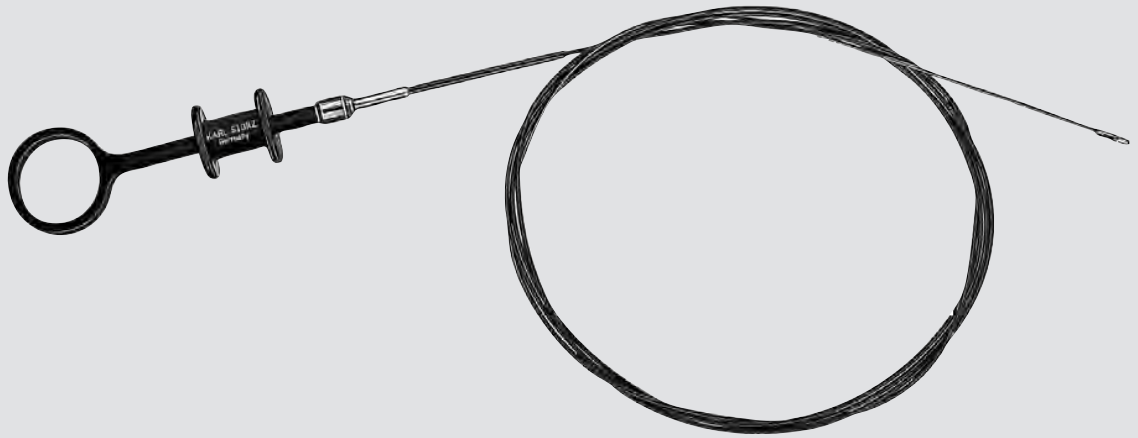
Field of View: 140°  
 Depth of View: 2 – 200 mm  
 2 push-button controls – programmable





# Accessories for Flexible Endoscopes

Biopsy Forceps, reusable



	spoon-shaped jaws	spoon-shaped jaws, with spike, fenestrated	spoon-shaped jaws, oval fenestrated	spoon-shaped jaws, oval, with spike, fenestrated	spoon-shaped jaws, serrated
Working length					

**Diameter 1.8 mm – for use with working channel of at least size 2.2 mm**

180 cm	–	–	–	–	60180 LT
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**Diameter 2.3 mm – for use with working channel of at least size 2.8 mm**

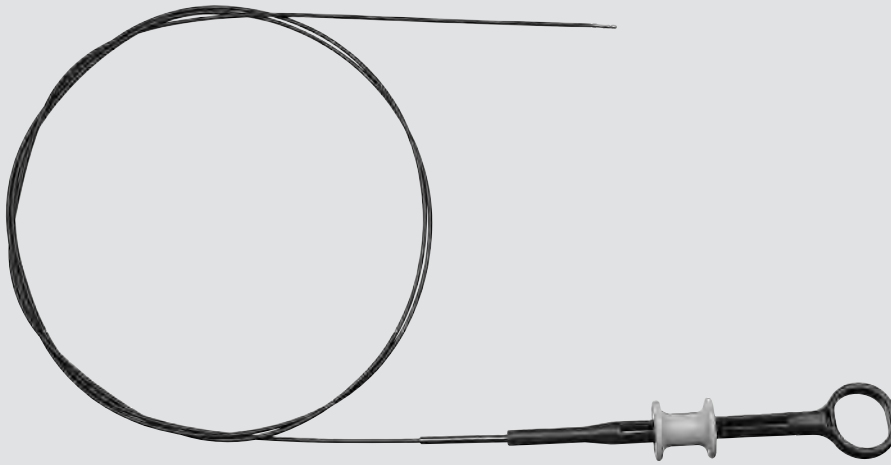
200 cm	60250 LL	60250 LM	60250 LN	60250 LP	60250 LT
230 cm	–	–	–	13250 XN	–
350 cm	60330 LA	–	–	–	–
400 cm	–	–	–	60332 LA	–



**Diameter 3 mm – for use with working channel of at least size 3.4 mm**

<b>NEW</b> 400 cm	60332 LL	–	–	–	–
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# Accessories for Flexible Endoscopes

Biopsy Forceps, for single use



	with oval jaws, coated	with oval jaws and spike, coated
Working length		

For use with working channel of at least size 2.8 mm, sterile, for single use, package of 10

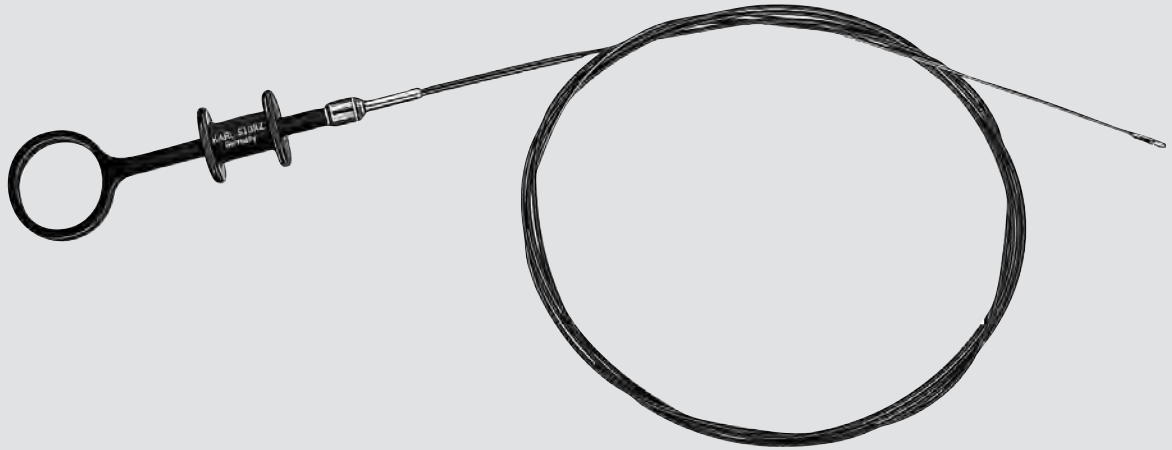


180 cm	110282-10*	110280-10*
230 cm	110283-10*	110281-10*



# Accessories for Flexible Endoscopes

Grasping Forceps, reusable



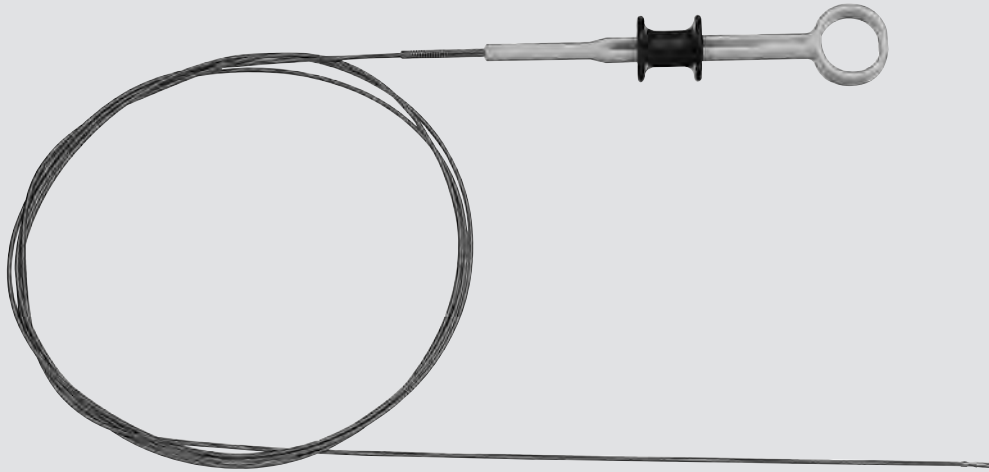
	alligator jaws	alligator jaws, round	universal, round cupped jaws, serrated	alligator jaws, serrated, with 2 x 3 teeth	serrated, with 1 x 2 teeth
Working length					




**Diameter 2.3 mm – for use with working channel of at least size 2.8 mm**

200 cm	60252 LS	60252 LT	60252 LU	60252 LX	60252 LZ
350 cm	–	60330 FA	–	–	–

# Accessories for Flexible Endoscopes

Grasping Forceps, for single use



	Type Alligator	Type Pelican	Type Rat Tooth
Working Length			

Diameter 2.4 mm – for use with working channel at least size 2.8 mm, sterile, for single use, package of 10

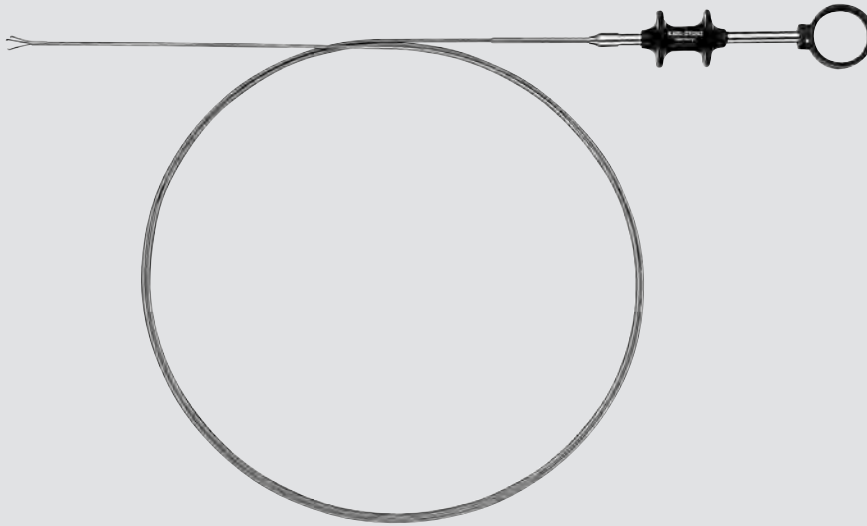




<b>NEW</b> 160 cm	110354-10*	–	–
<b>NEW</b> 180 cm	110355-10*	110345-10*	–
<b>NEW</b> 210 cm	110356-10*	110346-10*	110366-10*



# Accessories for Flexible Endoscopes

Grasping Forceps, reusable



Working length	Grasping Forceps, flexible, with 2 spring-action jaws, 1 x 2 teeth, sharp	Grasping Forceps, flexible, with 3 spring-action claws, sharp
		

**Diameter 1.8 mm – for use with working channel of at least size 2.2 mm**

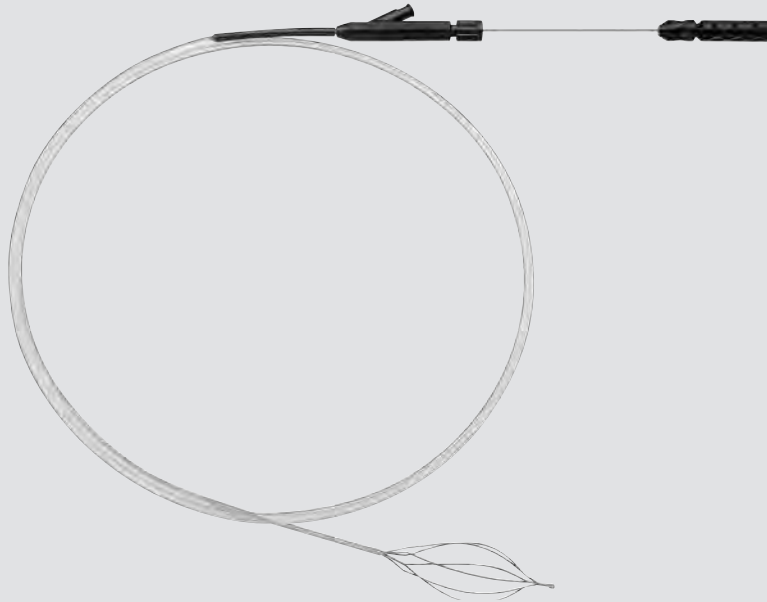
180 cm	60185 LA	–
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**Diameter 2.3 mm – for use with working channel of at least size 2.8 mm**

350 cm	–	60330 DG
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# Accessories for Flexible Endoscopes

Foreign Body Baskets, reusable



**Foreign Body Basket**

**Working length**



**Diameter 2.4 mm, opening 14 x 10 cm (with 6 wires)**

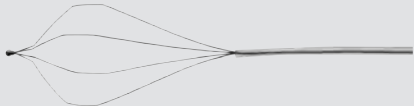
200 cm	60278 FK
400 cm	60332 FK

**Diameter 1.8 mm, opening 7 cm (with 4 wires)**

200 cm	60185 FK
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# Accessories for Flexible Endoscopes

Stone Baskets, for single use

	Stone Basket, opening width 20 mm	Stone Basket, opening width 30 mm
Working length		

Diameter 2.4 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10



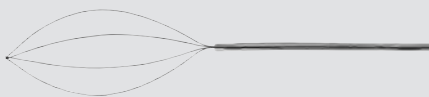
<b>NEW</b>	230 cm	110405-10*	110406-10*
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	ERCP Stone Basket, single lumen	ERCP Stone Basket, double lumen
Working length		

Diameter 2.4 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10



<b>NEW</b>	210 cm	110423-10*	110424-10*
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	Stone Basket, nitinol, without tip	Stone Basket, nitinol, without tip
Working length		

Diameter 2.4 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10



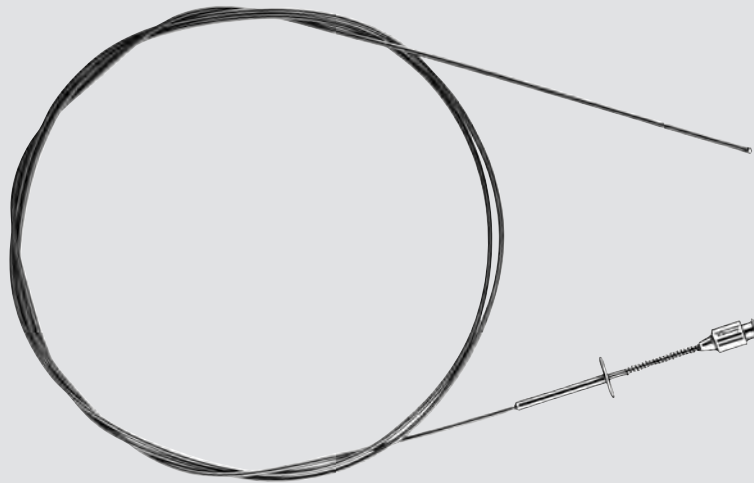
<b>NEW</b>	230 cm	110416-10*	110415-10*
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2-091



# Accessories for Flexible Endoscopes

Cytology Brushes, for single use



**Cytology Brush,  
complete, package of 10**

Working length



For use with working channel of at least size 2 mm, sterile, for single use, package of 10



180 cm

110240-10\*

For use with working channel of at least size 2.8, sterile, for single use, package of 10



**NEW** 230 cm

110241-10\*

350 cm

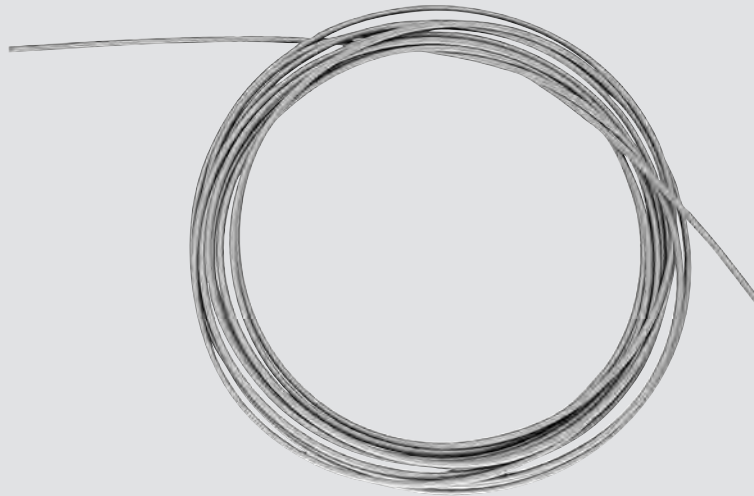
60366 LP\*






# Accessories for Flexible Endoscopes

Suction Catheters for broncho-alveolar lavage (BAL), reusable, autoclavable,  
Injection Needles



Working length	<b>Catheter Tube for Aspiration Biopsy</b>	
		

**Diameter 2.3 mm – for use with working channel of at least size 2.8 mm**

500 cm	60469 C
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**Diameter 1.8 mm – for use with working channel of at least size 2 mm**

180 cm	60725 TM
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Working length	<b>Injection Needle diameter 0.8 mm</b>	
		

**Needle diameter 0.8 mm – for use with working channel of at least size 2.8 mm**

200 cm	60260 L
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Working length	<b>Injection Needle diameter 0.7 mm</b>	<b>Injection Needle diameter 0.9 mm</b>
		

**Needle diameter 0.7 and 0.9 mm – for use with working channel of at least size 2.6 mm,  
sterile, for single use, package of 10**



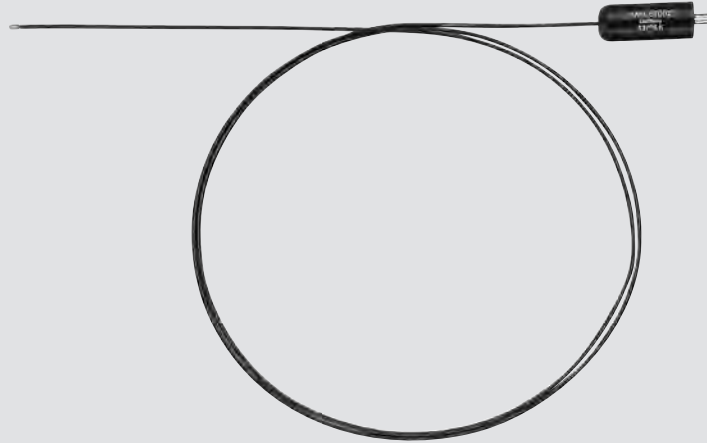
<b>NEW</b>	180 cm	110230-10*	110232-10*
<b>NEW</b>	230 cm	110231-10*	110233-10*



2-091

# Accessories for Flexible Endoscopes

Coagulation Electrodes for use with High Frequency Surgery Units




## KARL STORZ HF Connector, 4 mm, instrument side


Diameter 1.8 mm – for use with working channel of at least size 2.2 mm



Diameter 2.2 mm – for use with working channel of at least size 2.8 mm



	unipolar
Working length	
200 cm	60765 L
350 cm	60330 L

	bipolar
Working length	
200 cm	60267 LB

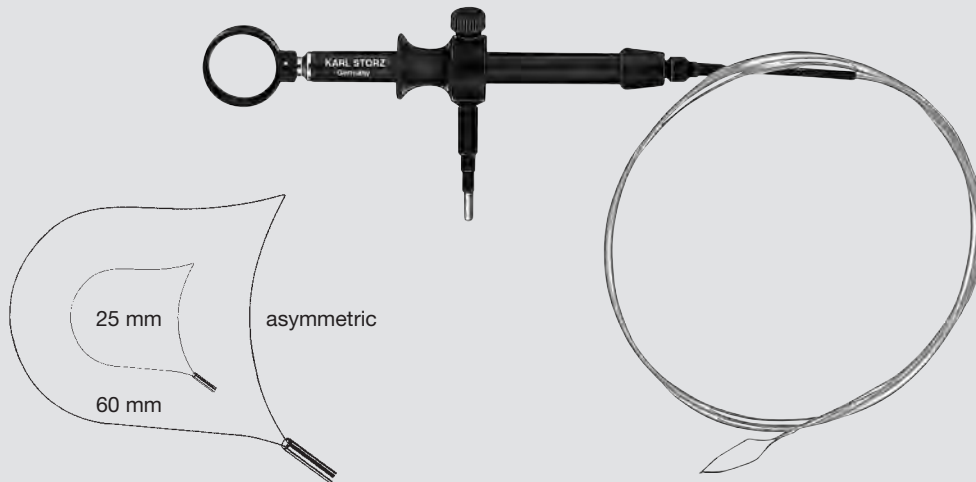
High Frequency Surgery Units, see chapter 6, UNITS

# Accessories for Flexible Endoscopes

Polypectomy Snares, reusable

**Special features:**

- Easy-to-use mechanism
- Forms snare automatically
- Multifilament cutting wire
- Asymmetric opening



Diameter 2.4 mm – for use with working channels of at least size 2.8 mm  
KARL STORZ HF connector, 4 mm

Working length	Complete Instrument	Spare Snare, reusable	Spare Tube
<b>Polypectomy Snare, complete, with Handle 60773 H, snare size 25 mm</b>			
200 cm	60773 LD	60273 TD	60273 TW
<b>Polypectomy Snare, complete, with Handle 60774 H, snare size 60 mm</b>			
350 cm	60330 LF	–	–



60774 H

60774 H **Handle, only, reusable**



60773 H

60773 H **Handle, only, reusable**

2-091

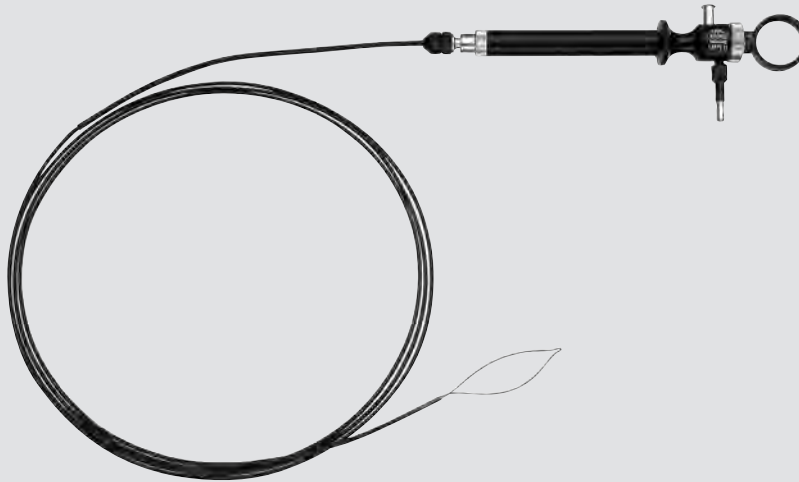
**High Frequency Surgery Units**, see chapter 6, UNITS

# Accessories for Flexible Endoscopes

Polypectomy Snares, reusable

**Special features:**

- Easy-to-use mechanism
- Irrigation adaptor with LUER
- Horizontal positioning of the snare to handle always guaranteed
- Monofilament cutting wire



**Oval Diathermy Loops**

Diameter 2.3 mm – for use with working channels of at least size 2.8 mm  
KARL STORZ HF Connector, 4 mm



**Polypectomy Snare, complete, with handle 60775 H**

250 cm	60776 A
--------	---------

**Spare Snare, reusable**

250 cm	60276 W
--------	---------

**Spare Tube**

60276 S
---------



60775 H

**Handle**, only, reusable

60275 K

**Adaptor**, connects tube with handle

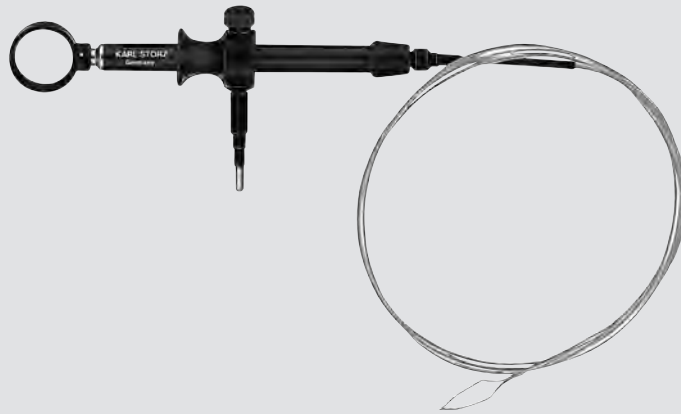
**High Frequency Surgery Units**, see chapter 6, UNITS

# Accessories for Flexible Endoscopes

Polypectomy Snares, reusable

**Special features:**


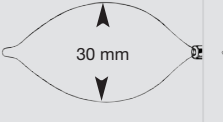

- Easy-to-use mechanism
- Multifilament cutting wire



**Oval Diathermy Loops**

Diameter 2.4 mm – for use with working channels of at least size 2.8 mm

KARL STORZ HF Connector, 4 mm

<b>Working length</b>			
	35 mm	30 mm	30 mm
	oval	oval	hexagonal

**Polypectomy Snare, complete, with Handle 60773 H**

200 cm	60773 LA	60773 LB	60773 LC
--------	----------	----------	----------

**Spare Snare**

200 cm	60273 TA	60273 TB	60273 TC
--------	----------	----------	----------

**Spare Tube**

60273 TT
----------



60773 H

60773 H

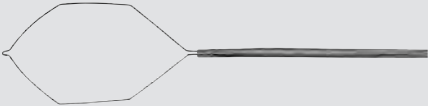
**Handle, only, reusable**

10-18

**High Frequency Surgery Units**, see chapter 6, UNITS

# Accessories for Flexible Endoscopes


Polypectomy Snares, for single use

	<b>Polypectomy Snare, hexagonal diameter 20 mm</b>	<b>Polypectomy Snare, hexagonal diameter 30 mm</b>
<b>Working length</b>		

Diameter 20 and 30 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10



<b>NEW</b> 210 cm	110456-10*	110458-10*
-------------------	------------	------------

	<b>Polypectomy Snare, oval diameter 15 mm</b>	<b>Polypectomy Snare, asymmetric diameter 20 mm</b>
<b>Working length</b>		

Diameter 15 and 20 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10



<b>NEW</b> 210 cm	110435-10*	110446-10*
-------------------	------------	------------

	<b>Oval Polypectomy Snare, KARL STORZ HF connector</b>
<b>Working length</b>	

Diameter 30 mm – for use with working channel of at least size 2.8 mm, sterile, for single use, package of 10

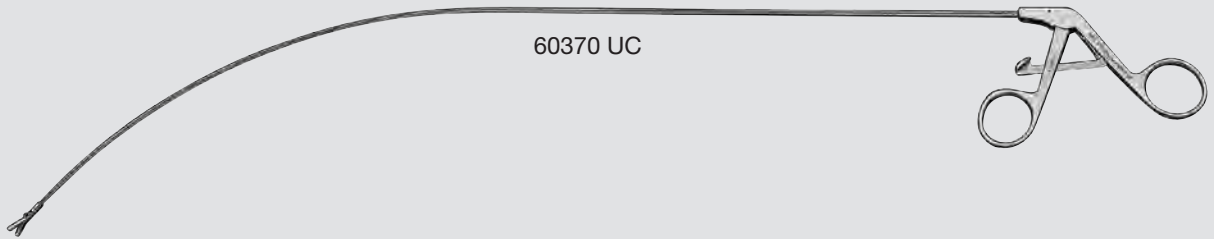


<b>NEW</b> 230 cm	110221-10*
-------------------	------------



# Accessories for Flexible Endoscopes

Equine Laryngeal Forceps



60370 UC



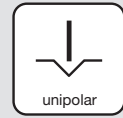
60370 UC

**Equine Laryngeal Forceps**, curved,  
with ratchet, double action jaws, jaw  
width 4 mm, sheath diameter 2.5 mm,  
length 60 cm

# Accessories

## Unipolar and Bipolar High Frequency Cords

### Unipolar High Frequency Cords








KARL STORZ High Frequency  
Instrument Surgery Units

	26002 M	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with AUTOCON® III VET, KARL STORZ, Erbe type T older models and Ellman
	26004 M	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with Martin HF units
	26005 M	<b>Unipolar High Frequency Cord</b> , with 5 mm plug, length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (111, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® system (50, 200, 350), AUTOCON® III VET, Erbe type ICC and und Erbe VIO 300
	26006 M	<b>Unipolar High Frequency Cord</b> , with 8 mm plug, length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (112, 116), AUTOCON® III VET and Valleylab models

### Bipolar High Frequency Cords



KARL STORZ High Frequency  
Instrument Surgery Units

	26176 LE	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (111, 113, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, Coagulator 26021 B/C/D, 860021 B/C/D, 27810 B/C/D, 28810 B/C/D, AUTOCON® series (50, 200, 350), AUTOCON® III VET, Erbe-Coagulator, T and ICC series
	62176 L	<b>Bipolar High Frequency Cord</b> , length 300 cm, with 2x 4 mm banana plug, for use with KARL STORZ Coagulator 26020 XA/XB and Ellman
	26176 LM	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with Martin HF units
	26176 LV	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (112, 114, 116, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® III VET and Valleylab coagulators, for use with high frequency surgical units with bipolar sockets with 28.58 mm pin distance
	26176 LW <i>NEW</i>	<b>Bipolar High Frequency Cord</b> , length 300 cm, pin distance on unit side 22 mm, for use with high frequency surgical units with bipolar sockets with 22 mm pin distance

**Please note:**

All high frequency cords on this page are delivered with a length of **300 cm**. If a length of **500 cm** is required, please add the letter **L**, i.e. 26002 **ML**, 26176 **LVL** to the order number.



# Basic Instrument Sets and Accessories

for Equine Videoendoscopes

## Equine Airway Videoendoscope System – 9.7 mm

60914 PKSK **Veterinary Videoendoscope PV-SG 28-140, Set**, color system **PAL**, sheath diameter 9.7 mm, working channel diameter 2.8 mm, working length 140 cm, deflection: up 180°/220°, down 120°, left/right 120°/120°, field of view 140°, depth of view 2 – 200 mm, for use with KARL STORZ camera system

including:

**Veterinary Videoendoscope PV-SG 28-140**, basic unit

**Carrying Case**

**Pressure Compensation Cap**

**Leakage Tester**

**Sealing Cap**, for working channel, package of 10

**Tube**, for suction/irrigation

**Y-Tube**, for irrigation/suction

**Cleaning Valve**

**Instrument Oil**

**Cleaning Brush**

**Irrigation Bottle**

**Valve Brush**

**Protective Film**

**Video Connecting Cable**

**User Manual**

60914 NKSK **Same, NTSC**

60250 LT **Biopsy Forceps**, flexible, spoon-shaped jaws, oval, serrated, double action jaws, diameter 2.3 mm, working length 200 cm

60252 LU **Grasping Forceps**, flexible, universal, round, spoon-shaped jaws, serrated, diameter 2.3 mm, working length 200 cm

60773 LA **Polypectomy Snare**, complete with handle 60773 H, large, diameter 2.4 mm, working length 200 cm

60370 UC **Equine Laryngeal Forceps**, curved, with ratchet, double action jaws, jaw width 4 mm, sheath diameter 2.5 mm, length 60 cm

60469 C **Catheter Tube**, for aspiration biopsy, **autoclavable**, diameter 2.3 mm, 500 cm coil, with Adaptor 10479 B

## Cleaning Accessories:

60647 V **Cleaning and Disinfection Basin**, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm

including:

**Soak Basin**

**Perforated Storage Tray**

**Lid**

# Basic Instrument Sets and Accessories

for Equine Videoendoscopes

## Equine Airway Videoendoscope System – 10.4 mm

60118 PKSK **Veterinary Videoendoscope PV-G 28-180, Set**, color system **PAL**, sheath diameter 10.4 mm, working channel diameter 2.8 mm, working length 180 cm, deflection up 180°/200°, down 100°, left/right 120°/120°, field of view 140°, depth of field 2 - 200 mm, for use with KARL STORZ camera systems

including:

**Veterinary Videoendoscope PV-G 28-180**, basic unit

**Carrying Case**

**Pressure Compensation Cap**

**Leakage Tester**

**Sealing Cap**, for working channel, package of 10

**Tube**, for suction/irrigation

**Y-Tube**, for irrigation/suction

**Cleaning Valve**

**Instrument Oil**

**Cleaning Brush**

**Irrigation Bottle**

**Valve Brush**

**Protective Film**

**Video Connecting Cable**

**User Manual**

60118 NKSK **Same, NTSC**

60250 LT **Biopsy Forceps**, flexible, spoon-shaped jaws, oval, serrated, double action jaws, diameter 2.3 mm, working length 200 cm

60469 C **Catheter Tube**, for aspiration biopsy, **autoclavable**, diameter 2.3 mm, 500 cm coil, with Adaptor 10479 B

### Cleaning Accessories:

60647 V **Cleaning and Disinfection Basin**, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm

including:

**Soak Basin**

**Perforated Storage Tray**

**Lid**

# Basic Instrument Sets and Accessories

for Equine Videoendoscopes

## Equine Videogastroscope System – 10.4 mm

60130 PKSK **Veterinary Videoendoscope PV-G 28-300, Set**, color system **PAL**, sheath diameter 10.4 mm, working channel diameter 2.8 mm, working length 300 cm, deflection: up 180°/200°, down 100°, left/right 120°/120°, field of vision 140°, depth of view 2 – 200 mm, for use with KARL STORZ camera system

including:

**Veterinary Videoendoscope PV-G 28-300**, basic unit

**Carrying Case**

**Pressure Compensation Cap**

**Leakage Tester**

**Sealing Cap**, for working channel, package of 10

**Tube**, for suction/irrigation

**Y-Tube**, for irrigation/suction

**Cleaning Valve**

**Instrument Oil**

**Cleaning Brush**

**Irrigation Bottle**

**Valve Brush**

**Protective Film**

**Video Connecting Cable**

**User Manual**

60130 NKSK **Same, NTSC**

60330 LA **Biopsy Forceps**, flexible, spoon-shaped jaws, round, double-action jaws, diameter 2.3 mm, working length 350 cm

60330 FA **Grasping Forceps**, flexible, with alligator jaws, round, double action jaws, diameter 2.3 mm, working length 350 cm

60332 FK **Foreign Body Basket**, reusable, rhombus shape, with 6 wires, length of basket 120 mm, diameter 2.4 mm, working length 400 cm

60330 DG **Grasping Forceps**, flexible, with 3 spring-action claws, sharp, diameter 2.3 mm, working length 350 cm

## Cleaning Accessories:

60647 V **Cleaning and Disinfection Basin**, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm

including:

**Soak Basin**

**Perforated Storage Tray**

**Lid**

# Basic Instrument Sets and Accessories

for Equine Videoendoscopes

## Equine Videogastroscope System – 13 mm

60332 PKSK **Veterinary Videoendoscope PV-G 34-325, Set**, color system **PAL**, sheath diameter 13 mm, working channel diameter 3.4 mm, working length 325 cm, deflection up 180°/200°, down 140°, left/right 120°/120°, field of vision 140°, depth of view 2 – 200 mm, for use with KARL STORZ camera systems

including:

**Veterinary Videoendoscope PV-G 34-325**, basic unit

**Carrying Case**

**Pressure Compensation Cap**

**Leakage Tester**

**Sealing Cap**, for working channel, package of 10

**Tube**, for suction/irrigation

**Y-Tube**, for irrigation/suction

**Cleaning Valve**

**Instrument Oil**

**Cleaning Brush**

**Irrigation Bottle**

**Valve Brush**

**Protective Film**

**Video Connecting Cable**

**User Manual**

60332 NKSK **Same, NTSC**

60332 LL **Biopsy Forceps**, flexible, spoon-shaped jaws, diameter 3 mm, working length 400 cm

60330 DG **Grasping Forceps**, flexible, with 3 spring-action claws, sharp, diameter 2.3 mm, working length 350 cm

60332 FK **Foreign Body Basket**, reusable, rhombus shape, with 6 wires, length of basket 120 mm, diameter 2.4 mm, working length 400 cm

## Cleaning Accessories:

60647 V **Cleaning and Disinfection Basin**, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm

including:

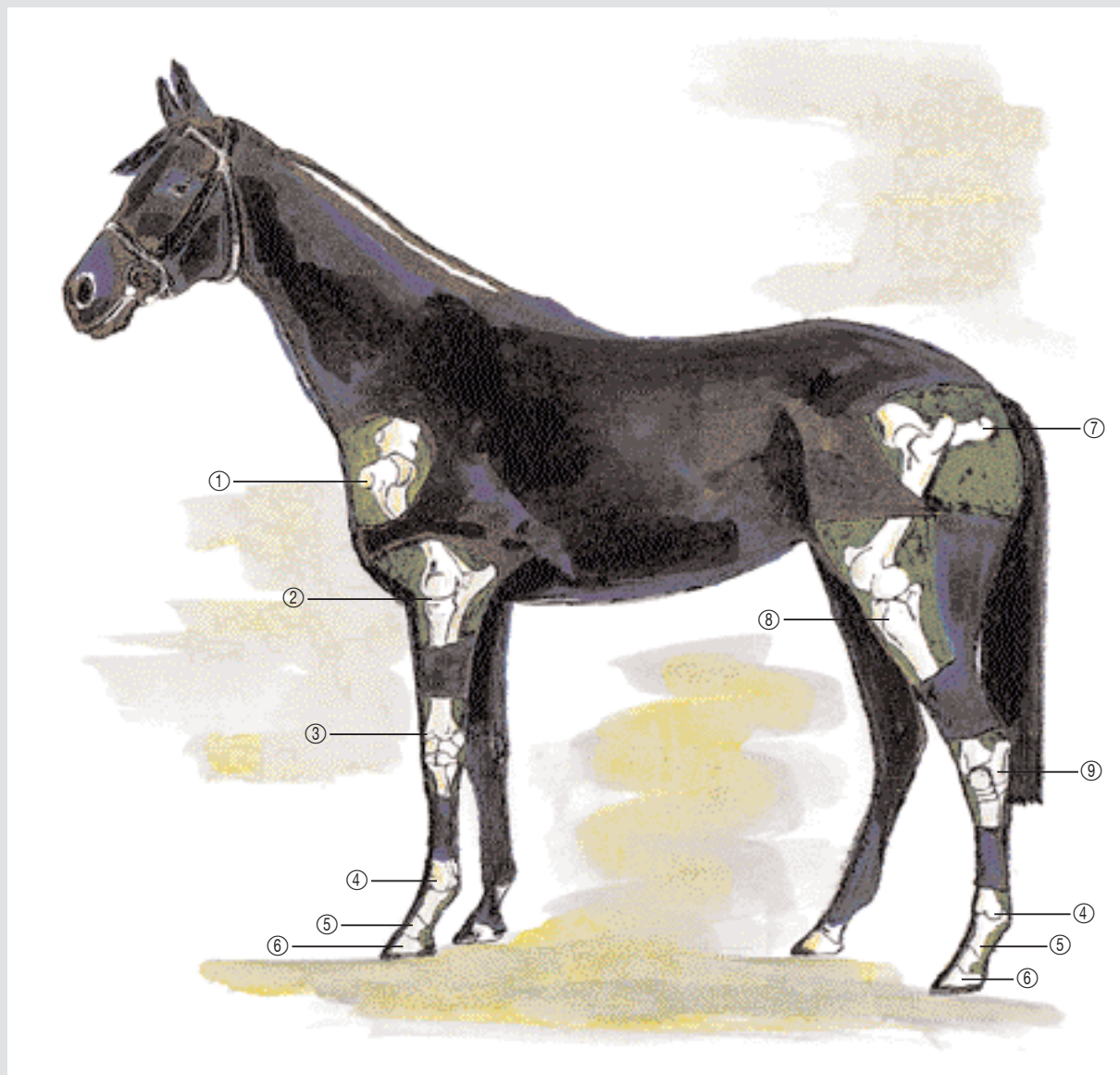
**Soak Basin**

**Perforated Storage Tray**

**Lid**

## ARTHROSCOPES AND ACCESSORIES





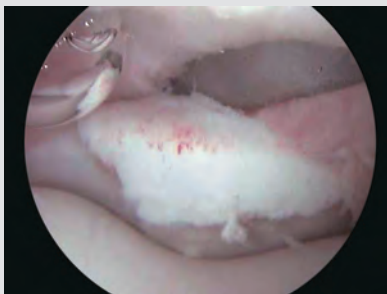
- |   |          |                                       |
|---|----------|---------------------------------------|
| ① | Shoulder | Articulatio humeri                    |
| ② | Elbow    | Articulatio cubiti                    |
| ③ | Carpus   | Articulatio carpi                     |
| ④ | Fetlock  | Articulatio metacarpophalangea        |
| ⑤ | Pastern  | Articulatio interphalangea proximalis |
| ⑥ | Coffin   | Articulatio interphalangea distalis   |
| ⑦ | Hip      | Articulatio coxae                     |
| ⑧ | Stifle   | Articulatio genus                     |
| ⑨ | Tarsus   | Articulatio tarsi                     |

Arthroscopy has become indispensable in the field of equine orthopedics. With a relatively basic instrument set it is possible to determine the extent of articular trauma and to safely diagnose degenerative joint disease at an early stage. Minor cartilage damage, synovial hypertrophy, and osteochondrosis can be detected and treated during a single diagnostic procedure.

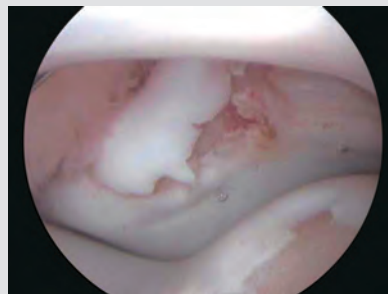
Intra-articular chip fractures in many joints are now being diagnosed. With arthroscopy, both operative

trauma and time can be reduced to an absolute minimum. By distending the joint with fluid or gas, it is possible to access and curette all articular areas with the aid of power shavers.

Arthroscopy procedures have now almost fully replaced traditional arthrotomy. This is particularly evident in the case of the relatively small coffin joint.



*Elevation of a dorsoproximal P1 chip*



*OCD in the fetlock of a weanling foal*



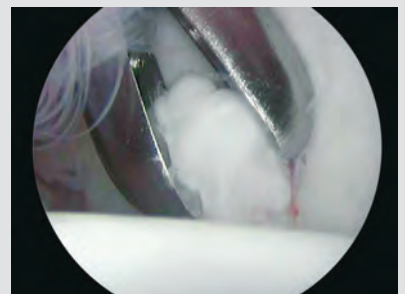
*OCD of an intermedial tibia on elevation*



*Dorsoproximal P1 chip*



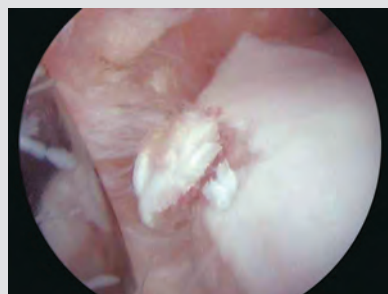
*Removal of a distal radial carpal bone fragment*



*Removal of an OCD fragment of an intermedial tibia*



*Removal of a dorsoproximal P1 chip*



*Small chip of a distal radial carpal bone*



*Small OCD lesion in the femoropatellar joint*

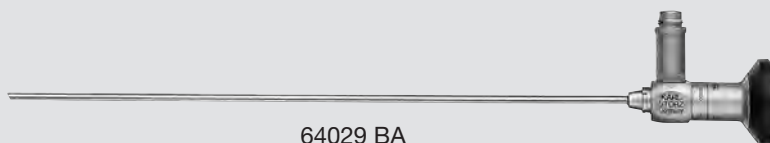
10-99z

Endoscopic images printed with the kind permission of:  
*Dr. C. Wayne McIlwraith,  
 Professor of Surgery,  
 Colorado State University, USA*

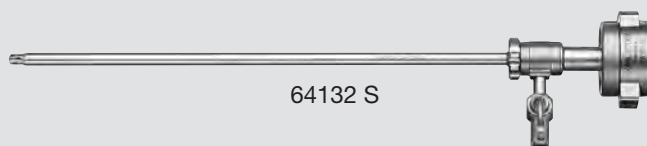
# Slender Arthroscope

HOPKINS® Telescope, diameter 2.7 mm, autoclavable

Arthroscope Sheath, diameter 4 mm, autoclavable



64029 BA



64132 S



30°

64029 BA

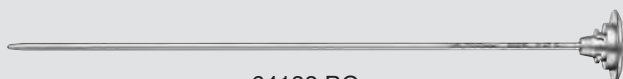
**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

64132 S

**NEW**

**Arthroscope Sheath**, with snap-in coupling mechanism, diameter 4 mm, working length 13.5 cm, one stopcock, **rotating**, for use with HOPKINS® telescopes 30°, 70° and Obturators 64132 BC/BT

For use with Arthroscope Sheath 64132 S



64132 BC

64132 BC

**Obturator**, blunt, color code: red-yellow

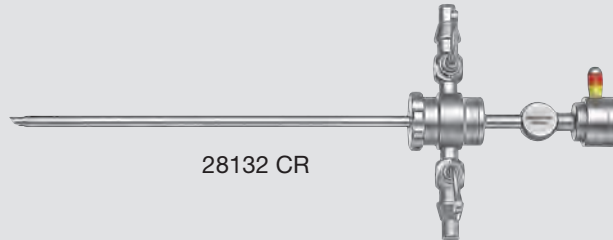
64132 BT

**Obturator**, semisharp, color code: red-yellow



# Slender Arthroscope

Arthroscope Sheath, diameter 4 mm, autoclavable

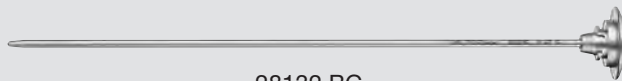


28132 CR

28132 CR

**Arthroscope Sheath**, with standard coupling mechanism, diameter 4 mm, working length 12.5 cm, two stopcocks, **rotatable**, for use with HOPKINS® telescope 30° and Obturator 28132 BC, color code: red-yellow

**For use with Arthroscope Sheath 28132 CR**



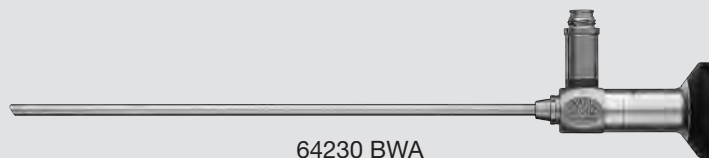
28132 BC

28132 BC

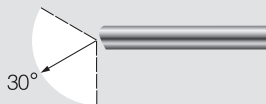
**Obturator**, blunt, color code: red-yellow

# Standard Arthroscope

Sheath with rotating stopcocks



64230 BWA



64230 BWA

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

Sheaths with rotating stopcocks are ideal for use with a separate irrigation cannula

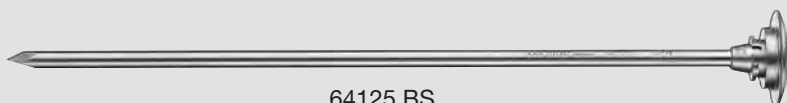


64124 AR

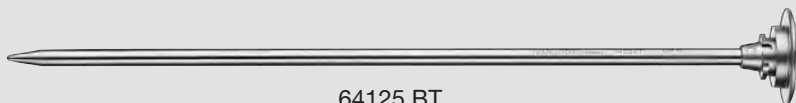
64124 AR

**Arthroscope Sheath**, with one stopcock, rotating, for use with HOPKINS® telescope 30°, diameter 5.5 mm, working length 13 cm, color code: red

For use with Arthroscope Sheath 64124 AR



64125 BS



64125 BT

64125 BS

**Obturator**, sharp, short tip, color code: red

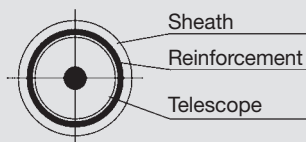
64125 BT

**Obturator**, blunt, short tip, color code: red

# Standard Arthroscope

Sheath with rotating stopcocks

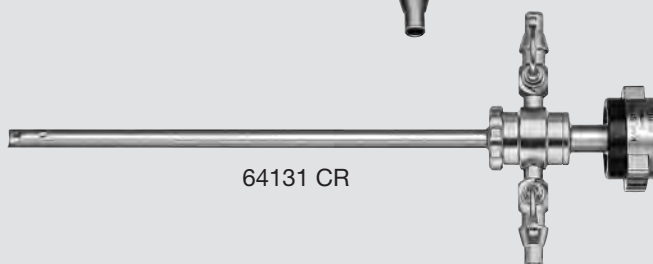
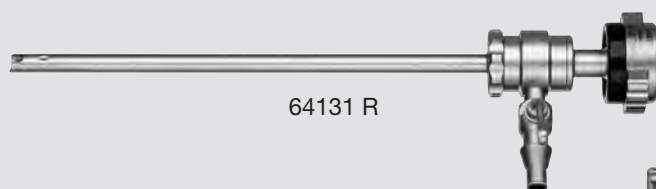
For use with HOPKINS® Telescopes, diameter 4 mm, length 18 cm



Increased inflow and outflow rate  
without disturbing turbulence

### Special features:

- Coupling between the telescope and sheath is possible in absolutely any position; surgeries requiring a changeover between the arthroscope and instrument ports are thus considerably simplified
- Telescope rotation is made easier
- High-flow system ensures a high flow of irrigation liquid



64131 R/CR

64131 R

**High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 5.5 mm, working length 13.5 cm, one stopcock, **rotating**, for use with HOPKINS® telescopes 0°, 30°, 45°, 70°, 90° and Obturators 64130 BC/BT/BS, color code: blue

64131 CR

**High-Flow Arthroscope Sheath**, with snap-in coupling mechanism, diameter 5.5 mm, working length 13.5 cm, two stopcocks, **rotating**, for use with HOPKINS® telescopes 0°, 30°, 45°, 70°, 90° and Obturators 64130 BC/BT/BS, color code: blue

### optional:



28140 D

**NEW**

**Gasket Attachment**, with cone, including Gasket 28140 GU, for use with all Arthroscope Sheaths



28140 GU

**NEW**

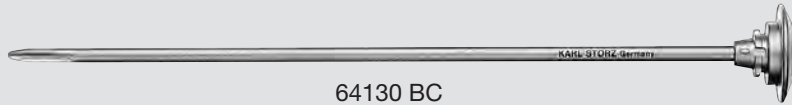
**Gasket**, unsterile, for single use, package of 10, single-packaged, for use with Gasket Attachment 28140 D



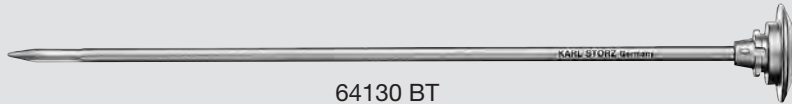
# Standard Arthroscope

## Obturator

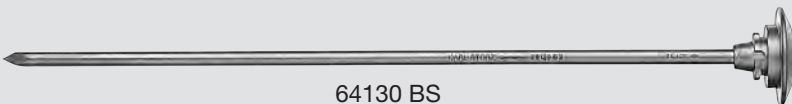
For use with Arthroscope Sheaths 64131 R/CR



64130 BC



64130 BT



64130 BS

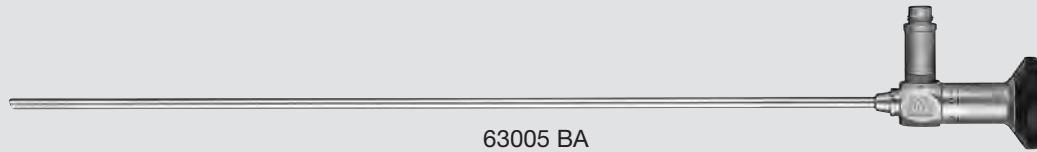
- |          |   |
|----------|---|
| 64130 BC | <b>Obturator</b> , blunt,<br>color code: green-red-yellow     |
| 64130 BT | <b>Obturator</b> , semisharp,<br>color code: green-red-yellow |
| 64130 BS | <b>Obturator</b> , sharp,<br>color code: green-red-yellow     |

# Long Arthroscope

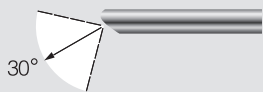
HOPKINS® Telescope, diameter 4 mm, autoclavable

For arthroscopy of large joints such as the knee or shoulder

Long version: working length 24 cm

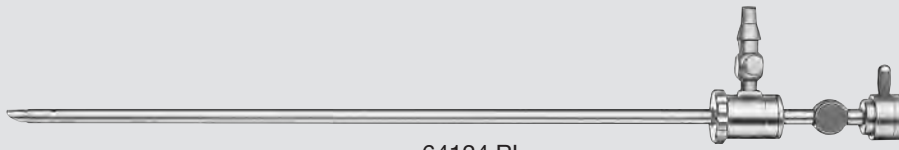


63005 BA



63005 BA

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

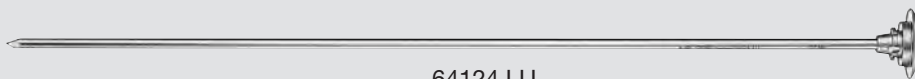


64124 RL

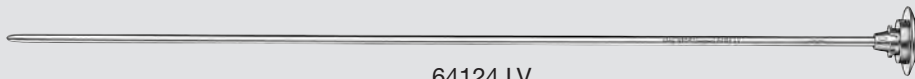
64124 RL

**Arthroscope Sheath**, with one stopcock, rotating, diameter 5.5 mm, for use with HOPKINS® Telescope 63005 BA, including LUER-Lock Adaptor with Stopcock 27502, color code: red

For use with Arthroscope Sheath 64124 RL



64124 LU



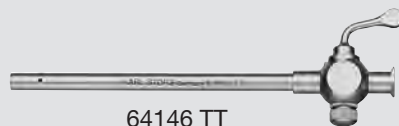
64124 LV

64124 LU

**Obturator**, sharp, color code: red

64124 LV

**Obturator**, blunt, color code: red



64146 TT

64146 TT **Egress Cannula**, LUER-Lock, with stopcock, diameter 4.5 mm, length 7 cm

28146 TS **Obturator**, blunt, for use with Cannula 64146 TT

28146 TO **Same**, sharp



64146 Q

64146 Q **Egress Cannula**, LUER-Lock, diameter 3.2 mm, length 7 cm

64146 T **Egress Cannula**, LUER-Lock, with stopcock, diameter 3.2 mm, length 7 cm

64146 QO **Obturator**, conical blunt, for use with Cannula 64146 Q/T

28146 QO **Obturator**, sharp, for use with Cannulas 28146 T and 64146 Q/T



64146 Y

64146 Y **Egress Cannula**, LUER-Lock, diameter 3.5 mm, length 15 cm



64146 Z

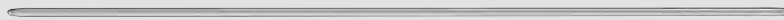
64146 Z **Egress Cannula**, diameter 5 mm, length 15 cm

# Changing Rods

The changing rod can be used in arthroscopy to localize the anterior portal to the joint by means of the arthroscope sheath. The rod is introduced through the

arthroscope sheath and advanced through the joint. A second arthroscope sheath can then be placed over the guide probe.

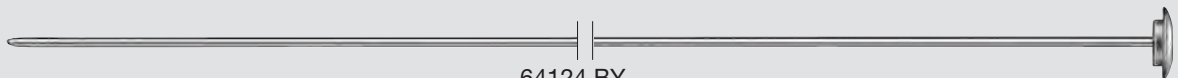
## Changing Rod systems



64124 BX

- 64124 BX **Changing Rod**, length 23 cm, for use with arthroscope sheaths with inner diameter 4 mm
- 64124 BZ **Same**, for use with arthroscope sheaths with inner diameter 2.8 mm

## Portal Rods (WISSINGER Rod) for large joints

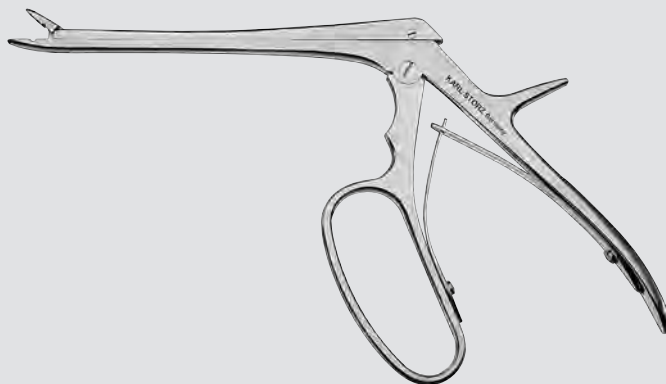


64124 BY

- 64124 BY **Rod**, with pressure plate, length 35 cm, for use with arthroscope sheaths with inner diameter 4 mm
- 64124 BW **Same**, for use with arthroscope sheaths with inner diameter 2.8 mm

# Operating Instruments for Arthroscopy

with strong jaws

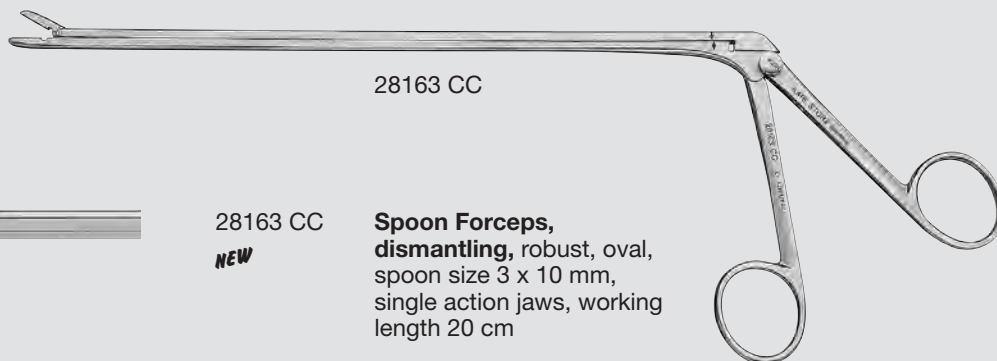


64149 RL



64148 RK **Ferris-Smith Rongeur**, short, jaws 5 x 8 mm, working length 10 cm

64149 RL **Ferris-Smith Rongeur**, long, jaws 5 x 8 mm, working length 14 cm



28163 CC



28163 CC **Spoon Forceps, dismantling**, robust, oval, spoon size 3 x 10 mm, single action jaws, working length 20 cm

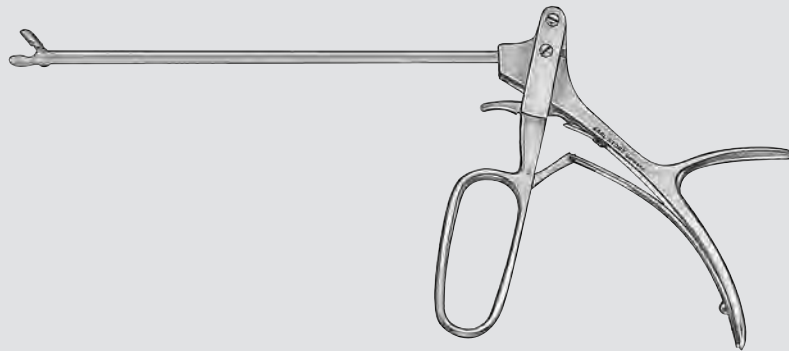
**NEW**



# Operating Instruments for Arthroscopy

with strong jaws and robust handles

Working length 16 cm



64971 GO



64971 GO

**Rongeur**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, round, cupped jaws 5 x 8 mm



64971 BG

**Rongeur**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, fenestrated, straight, cupped jaws 5 x 11 mm



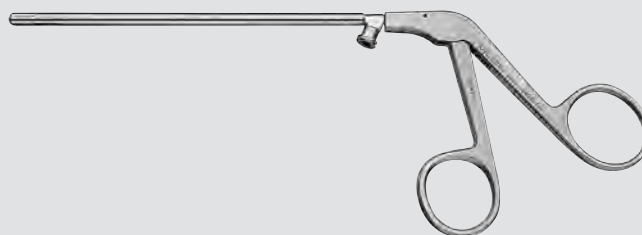
64971 BU

**Rongeur**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, fenestrated, curved upwards, cupped jaws 5 x 11 mm



64971 GK

**Grasping Forceps**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, straight, with 2 teeth, jaws 5 x 11 mm

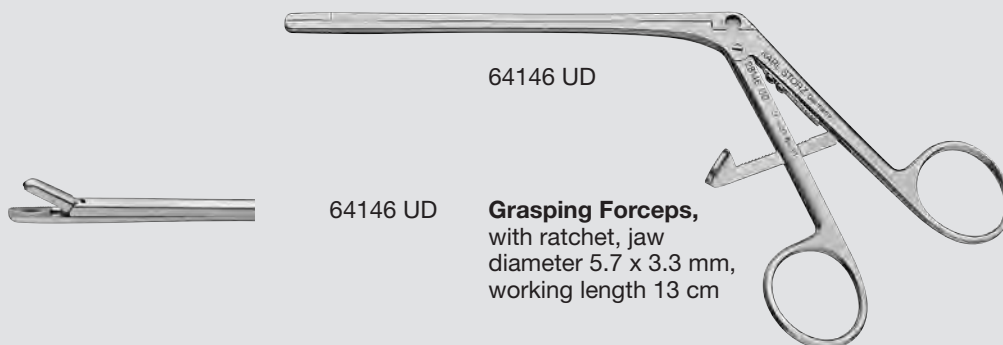


64073 DX



64073 DX

**Biopsy Forceps**, straight, with long jaws, size 4.5 mm, working length 13 cm



64146 UD

64146 UD

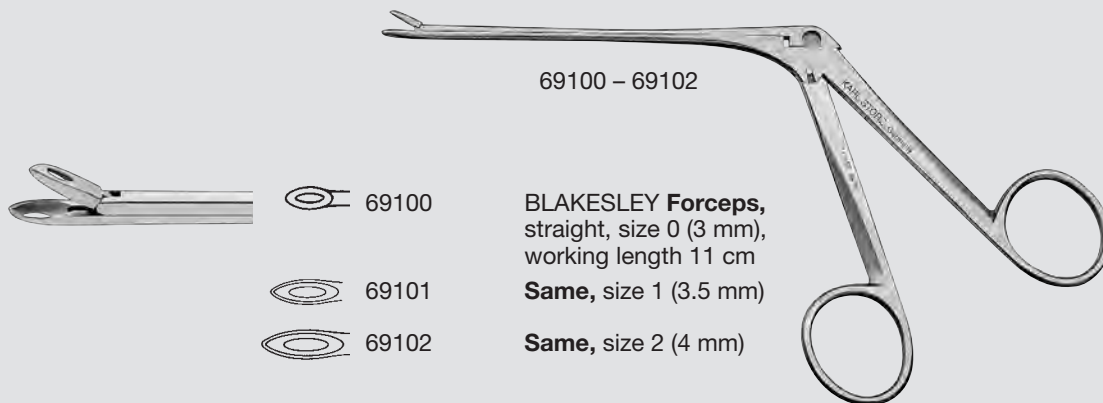
**Grasping Forceps,**  
with ratchet, jaw  
diameter 5.7 x 3.3 mm,  
working length 13 cm




64550

64550


**Rongeur,** small, without  
ratchet, spoon size 3 x 8 mm,  
working length 9.5 cm



69100 - 69102

 69100

**BLAKESLEY Forceps,**  
straight, size 0 (3 mm),  
working length 11 cm

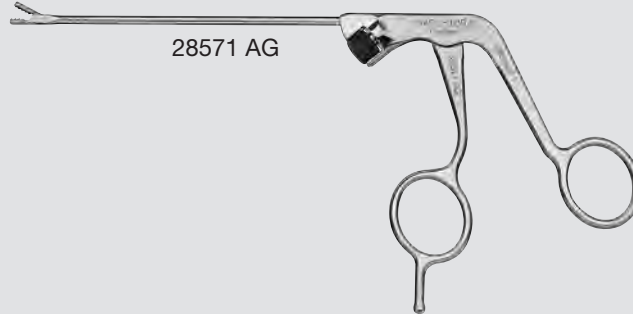
 69101

**Same,** size 1 (3.5 mm)

 69102

**Same,** size 2 (4 mm)

Size 3.5 mm, working length 12 cm



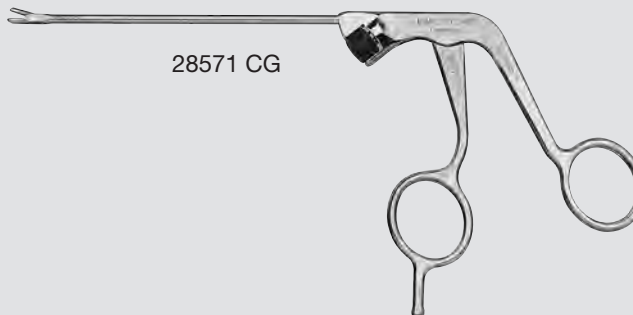
28571 G

**SILGRASP® PRO Grasping Forceps**, spoon-shaped jaws, serrated, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 AG

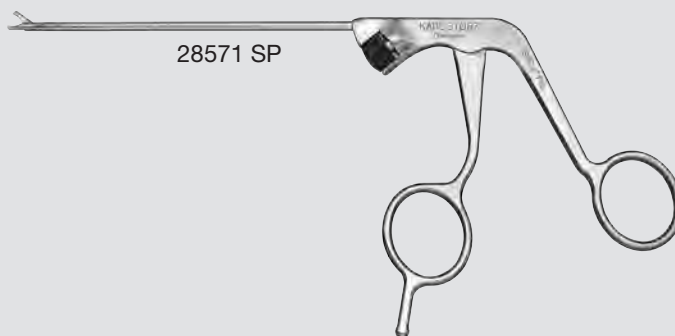
**SILGRASP® PRO Alligator Grasping Forceps**, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm



28571 CG

**SILGRASP® PRO Cartilage Grasping Forceps**, spoon-shaped jaws, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 12 cm

Size 3.5 mm, working length 14 cm



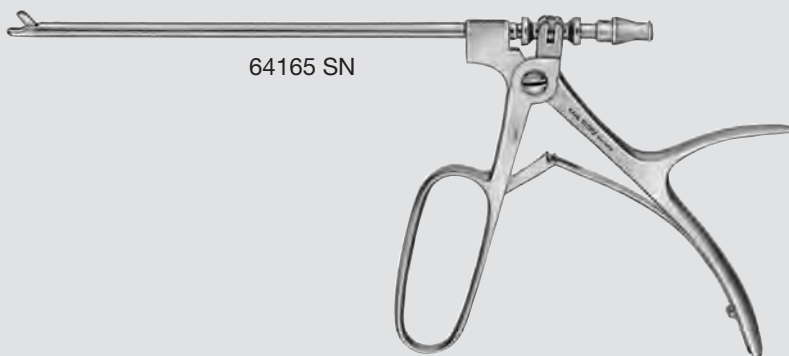
28571 SP



28571 SP  
**NEW**

**SILCUT® PRO Scissors**, straight jaws, sheath diameter 3.5 mm, straight, handle with cleaning connector, working length 14 cm

Size 4.8 mm, working length 13 cm



64165 SN



64165 SN

**Suction Punch**

## Gouge and Chisels



64728 CA



64728 CA

**Gouge**, straight, width of cut 4 mm,  
working length 13 cm



64728 CB

**Chisel**, straight, width of cut 4 mm,  
working length 13 cm



28728 CG

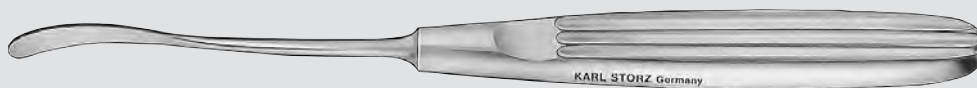
**Microfracture Chisel**, angled 30°,  
working length 9 cm



64728 CH

**Microfracture Chisel**, angled, 70°,  
working length 9 cm

## Elevators



64906



64906

**Elevator**, sharp, curved,  
width 6 mm



64800



64800

**Elevator**, sharp, slight curved,  
width 4.5 mm

## Osteotomes



64100



64100

**Osteotome**, flat, graduated, curved,  
width 6 mm, length 18.5 cm



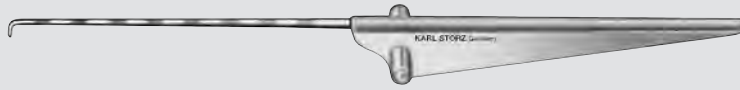
64104



64104

**Chisel**, flat, cuts both sides,  
width 4 mm, length 19 cm

## Hooks and Knives



64145 S



64146 D

**Hook and Retractor**, diameter 2.5 mm,  
length of hook 3.5 mm, working length 11.5 cm



64145 S

**Hook and Retractor**, graduated, diameter 1.5 mm,  
length of hook 2 mm, working length 8.5 cm



64146 F

**Knife**, round, width 3.5 mm



64146 L

**Knife**, hooked, width 3.5 mm



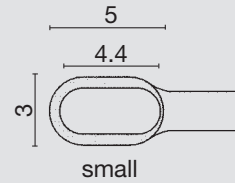
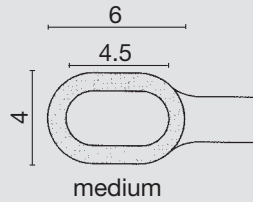
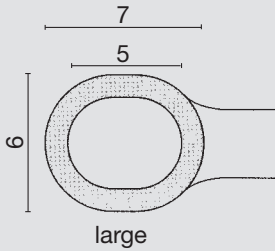
28146 E

**Knife**, pointed, straight, working length 11.5 cm

## Curettes



64728



64728 KA **Curette**, oval, large, curved 10°, working length 13 cm



64728 KB **Curette**, oval, large, curved 30°, working length 13 cm



64728 KC **Curette**, oval, medium, curved 10°, working length 13 cm



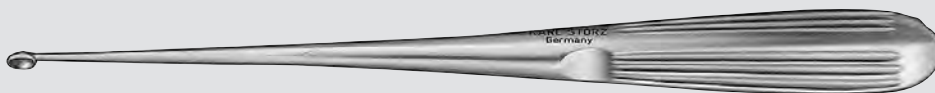
64728 KD **Curette**, oval, medium, curved 30°, working length 13 cm



64728 KE **Curette**, oval, small, curved 10°, working length 13 cm



64728 KF **Curette**, oval, small, curved 30°, working length 13 cm



64601



64620 **Curette**, size 00, length 21 cm



64611 **Curette**, size 0, length 21 cm



64601 **Curette**, size 1, length 21 cm



64728 KV **Curette**, curved, large, size 1, length 21 cm



64728 KX **Curette**, curved, small, size 00, length 21 cm



## For diagnostic and operative arthroscopy of the fetlock, carpal, tarsal and knee joints:

- 64230 BWA **HOPKINS® Wide Angle Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 64132 S **Arthroscope Sheath**, with snap-in coupling mechanism, diameter 4 mm, working length 13.5 cm, one stopcock, **rotating**, for use with HOPKINS® telescopes 30°, 70° and Obturators 64132 BC/BT
- 64132 BC **Obturator**, blunt, color code: red-yellow
- 64132 BT **Obturator**, semisharp, color code: red-yellow
- 64601 **Curette**, size 1, length 21 cm
- 64620 **Curette**, size 00, length 21 cm
- 64146 T **Egress Cannula**, LUER-Lock, with stopcock, diameter 3.2 mm, length 7 cm
- 64146 TT **Egress Cannula**, LUER-Lock, with stopcock, diameter 4.5 mm, length 7 cm
- 64146 QO **Obturator**, conical blunt
- 28146 TS **Obturator**, blunt
- 64146 Z **Egress Cannula**, diameter 5 mm, length 15 cm
- 64146 D **Hook and Retractor**, diameter 2.5 mm, length of hook 3.5 mm, working length 11.5 cm
- 64146 F **Knife**, round, width 3.5 mm
- 64100 **Osteotome**, flat, graduated, curved, width 6 mm, length 18.5 cm
- 64971 GO **Rongeur**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, round, cupped jaws 5 x 8 mm
- 64971 GK **Grasping Forceps**, with ratchet, for equine arthroscopy, with robust handle and strong jaws, straight, with 2 teeth, jaws 5 x 11 mm
- 64149 RL **Ferris-Smith Rongeur**, long, jaws 5 x 8 mm, working length 14 cm
- 28571 CG **SILGRASP® PRO Cartilage Grasping Forceps**
- 64906 **Elevator**, sharp, curved, width 6 mm

## Additional Instruments for the coffin joint:

- 64029 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 2.7 mm, length 18 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 64132 S **Arthroscope Sheath**, with snap-in coupling mechanism, diameter 4 mm, working length 13.5 cm, one stopcock, **rotating**, for use with HOPKINS® telescopes 30°, 70° and Obturators 64132 BC/BT
- 64132 BT **Obturator**, semisharp, color code: red-yellow
- 64132 BC **Obturator**, blunt, color code: red-yellow

## Additional Instruments for large joints:

- 63005 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 4 mm, length 30 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 64124 RL **Arthroscope Sheath**, with one stopcock, rotating, diameter 5.5 mm
- 64124 LU **Obturator**, sharp, color code: red
- 64124 LV **Obturator**, blunt, color code: red
- 28571 SP **SILCUT® PRO Scissors**, straight jaws

## Units for diagnostic arthroscopy:

**ENDOMAT® SELECT**  
**UNIDRIVE® S III ARTHRO**

## Video System:

**Cold Light Fountain**  
**Fiber Optic Light Cable**  
**IMAGE1 S™ Camera System**, with monitor  
**Mobile Videocart**

## Cleaning Accessories:

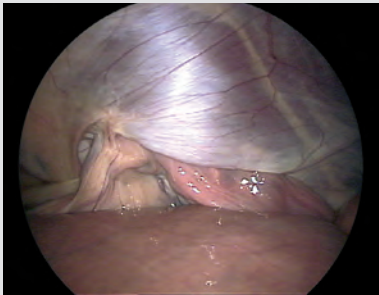
- 39502 X **Wire Tray for Cleaning, Sterilization and Storage** of instruments, stackable, with foldaway handles, external dimensions (w x d x h): 480 x 250 x 50 mm
- 39301 BS **Plastic Container for Sterilization**, especially suited for hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with two rigid endoscopes up to max. 32 cm working length, external dimensions (w x d x h): 446 x 90 x 45 mm

# LAPAROSCOPES AND ACCESSORIES



Laparoscopy is increasing in importance for diagnostic and surgical procedures of the horse, i.e. ovariectomies, cryptorchid operations. The telescopes and corresponding light sources enable brilliant illumination of

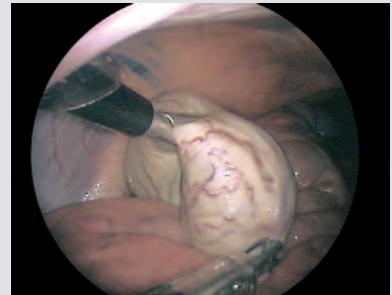
the entire abdominal cavity. Even image and video documentation are possible with operating laparoscopes and the KARL STORZ Video Camera System.



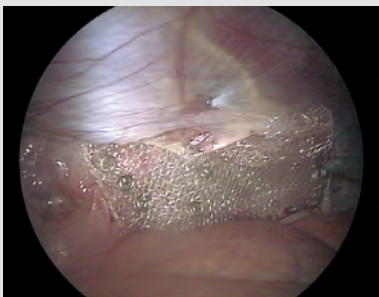
1. Inguinal hernia



2. Cryptorchidectomy



3. Cryptorchidectomy



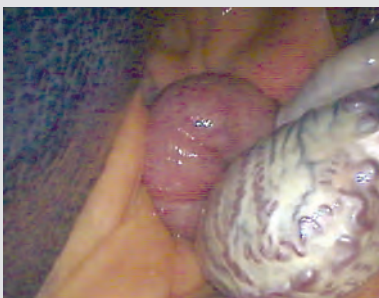
4. Hernia repair



5. Ovarian pedical transection



6. Biopsy of lung mass



7. Retained testical



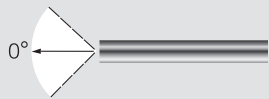
8. Transection of mesorchium and vas deferens

Endoscopic figures 2,5,6 and 8 from "Equine Diagnostic and Surgical Laparsocopy" A.T. Fischer, Jr., © 2002 with permission to print from Elsevier.  
All other figures printed with kind permission from Dr. Joseph Boening, Tierklinik Münster-Telgte

## Laparoscopes

**HOPKINS® Telescopes, autoclavable**  
Trocar size 11 mm

### Short version



26003 AA

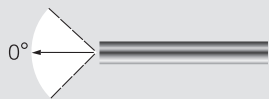
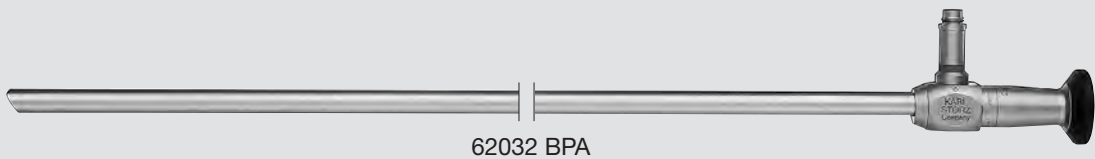
**HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



26003 BA

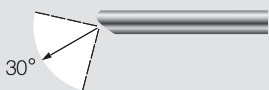
**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

### Long version



62032 APA

**HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 10 mm, length 57 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



62032 BPA

**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 10 mm, length 57 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red

10-99

**Trocars**, see pages 58-60 and 66-68



**Recommended in combination with IMAGE1 S™ (Modus CLARA und CHROMA)**

### Telescope with variable direction of view

Until now, surgeons had to choose in advance which telescope or direction of view to use in a procedure. Moreover, surgeons were restricted to the selected direction of view throughout the surgery or had to make an intraoperative telescope change.

To prevent this predicament in the future, we developed the ENDOCAMELEON®: a telescope that allows you to adjust the desired direction of view – also during surgery – between 0° and 120°.

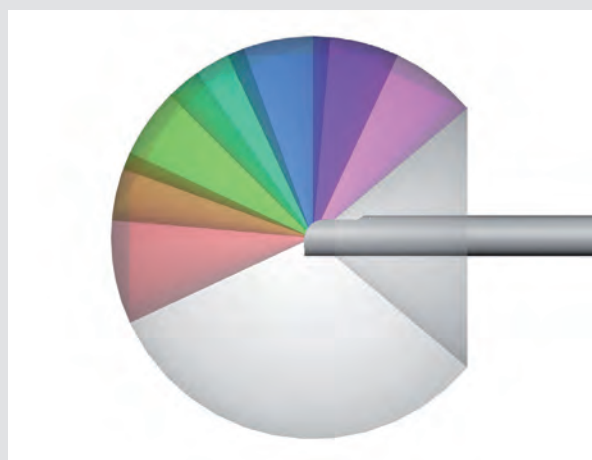
The ENDOCAMELEON® combines the user comfort of the proven HOPKINS® telescope with the advantages and potential of a telescope featuring a variable direction of view – offering you the quality you expect from KARL STORZ telescopes.

The innovative ENDOCAMELEON® technology is not difficult to use and, due to the external moving parts, does not take up extra intracorporeal space. Handling remains straightforward and ergonomic. Image alignment is the same as rigid telescopes: The direction of view is selected by simply turning the adjustment knob, making the system very intuitive to use.

As the ENDOCAMELEON® is equipped with a standard eyepiece, the variable direction of view benefits all standard camera systems. Thanks to the HOPKINS® rod lens system, ENDOCAMELEON® also offers image quality that enables a useful application of three-chip cameras or HD camera systems.

To have the direction of view best suited for each situation available at all times offers the surgeon a higher degree of safety. With the ENDOCAMELEON®, visual inspection of the entire surgical field is possible. Instrument movement can be better controlled and hemorrhages in previously inaccessible areas can be

detected and controlled. With a simple turn of the adjusting knob, the ENDOCAMELEON® enables the user to easily select the direction of view between 0° and 120° to suit all OR requirements.



*ENDOCAMELEON® with variable direction of view, lateral view*



*ENDOCAMELEON® with variable direction of view, isometric view*

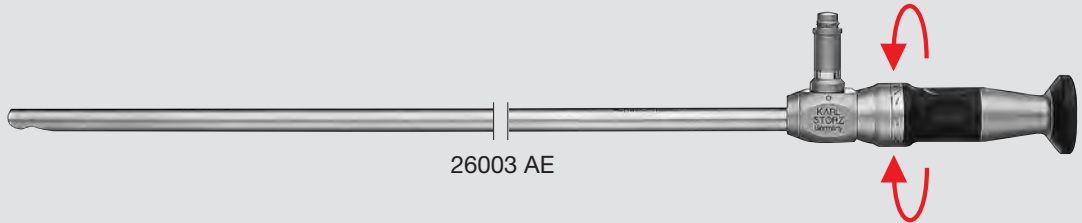


Diameter 10 mm, length 32 cm, autoclavable  
Trocar size 11 mm

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

**Special Features:**

- Variable direction of view 0° – 120°
- HOPKINS® telescope with unique rod lens system
- Easy-to-use adjustment knob for selecting the direction of view
- Rigid sheath with a diameter of 10 mm

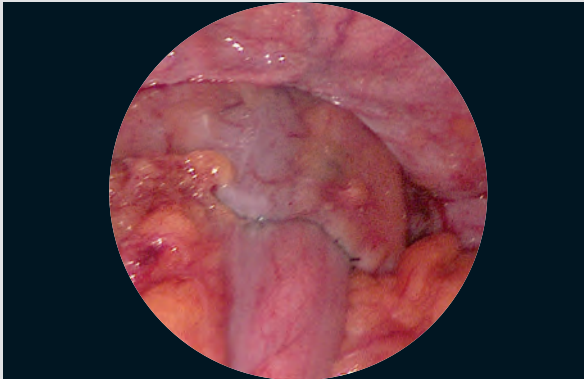


26003 AE

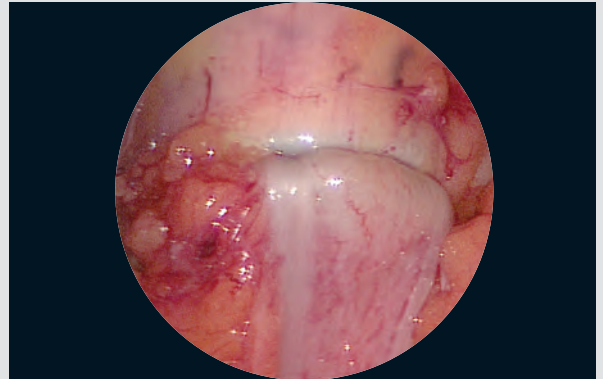
**ENDOCAMELEON® HOPKINS® Telescope**, diameter 10 mm, length 32 cm, autoclavable, variable direction of view from 0° – 120°, adjustment knob for selecting the desired direction of view, fiber optic light transmission incorporated, color code: gold

26003 AEE

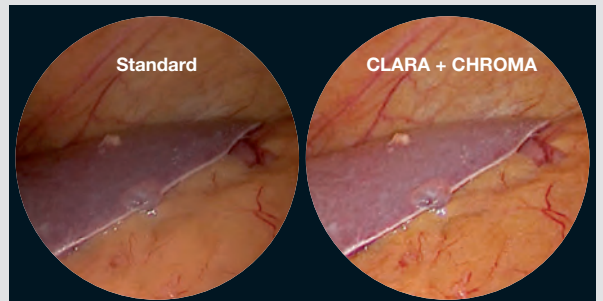
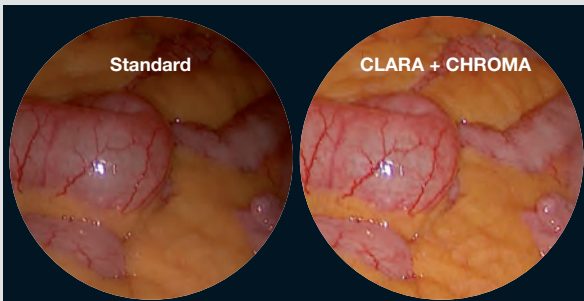
**Same, length 42 cm**



**Fig. 1:** Rectal anastomosis, angle of view, 30°



**Fig. 2:** Rectal anastomosis, angle of view, 80°



**Figs. 3/4:** Standard endoscopy image compared to IMAGE1 S™ (CLARA and CHROMA modes)

*Figs. 1 and 2: Images courtesy of Prof. Dr. Thomas Carus, Asklepios Westklinikum Hamburg, Germany*

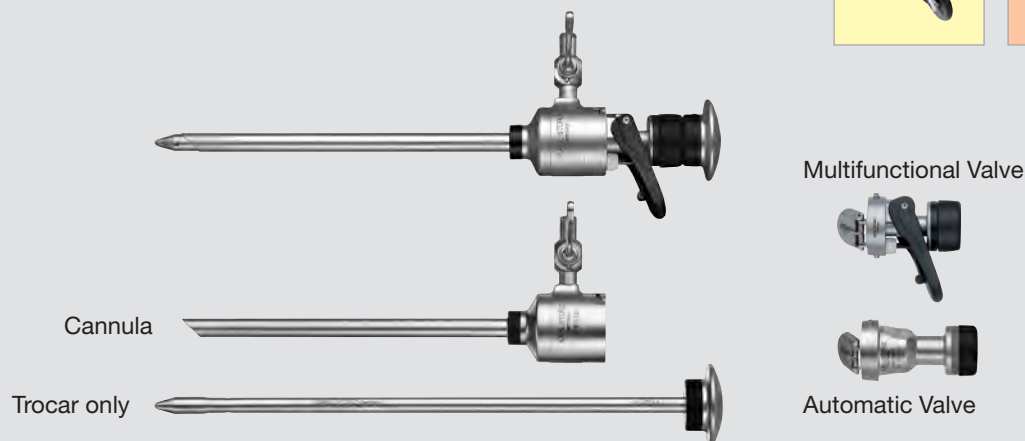
*Figs. 3 and 4: Images courtesy of Prof. Luigi Boni, University of Insubria Varese, Italy*




**Containers for Sterilization and Storage of Telescopes** see catalog HYGIENE

# Trocars

Size 6 mm

For use with telescopes and instruments size 5 mm



Size:		6 mm			
Working length:		10.5 cm	20 cm	10.5 cm	20 cm
Color code:		black	black	black	black
		Multifunctional Valve		Automatic Valve	
	<b>Trocar, with conical tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62160 MC</b> 30160 H2 30160 C 30160 M1	<b>62160 MCL</b> 62160 H3 62160 CL 30160 M1	<b>62160 AC</b> 30160 H2 30160 C 30160 A1	<b>62160 ACL</b> 62160 H3 62160 CL 30160 A1
	<b>Trocar, with pyramidal tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62160 MP</b> 30160 H2 30160 P 30160 M1	<b>62160 MPL</b> 62160 H3 62160 PL 30160 M1	<b>62160 AP</b> 30160 H2 30160 P 30160 A1	<b>62160 APL</b> 62160 H3 62160 PL 30160 A1
	<b>Trocar, with blunt tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62160 MA</b> 30160 H2 30160 A 30160 M1	<b>62160 MAL</b> 62160 H3 62160 AL 30160 M1	<b>62160 AA</b> 30160 H2 30160 A 30160 A1	<b>62160 AAL</b> 62160 H3 62160 AL 30160 A1



6127590-10\* **Sealing Cap, (50/4)**, package of 10,  
for use with trocars size 6 mm

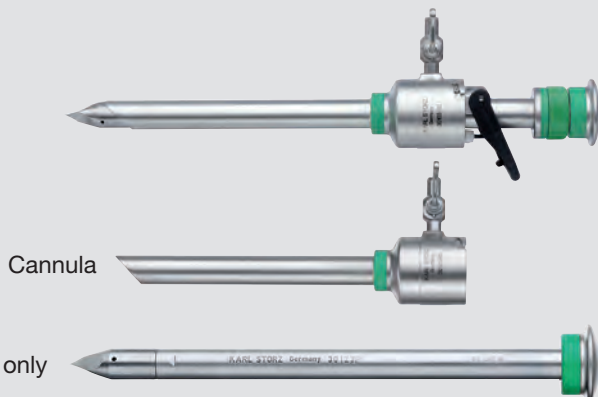
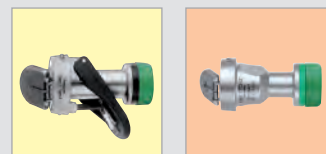




# Trocars

Size 11 mm

For use with telescopes and instruments size 10 mm



Multifunctional Valve



Automatic Valve



Size:		11 mm			
Working length:		10.5 cm	20 cm	10.5 cm	20cm
Color code:		green	green	green	green
		Multifunctional Valve		Automatic Valve	
	<b>Trocar, with conical tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62103 MC</b>	<b>62103 MCL</b>	<b>62103 AC</b>	<b>62103 ACL</b>
		30103 H2	62103 H3	30103 H2	62103 H3
		30103 C	62103 CL	30103 C	62103 CL
		30103 M1	30103 M1	30103 A1	30103 A1
	<b>Trocar, with pyramidal tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62103 MP</b>	<b>62103 MPL</b>	<b>62103 AP</b>	<b>62103 APL</b>
		30103 H2	62103 H3	30103 H2	62103 H3
		30103 P	62103 PL	30103 P	62103 PL
		30103 M1	30103 M1	30103 A1	30103 A1
	<b>Trocar, with blunt tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Valve</b>	<b>62103 MA</b>	<b>62103 MAL</b>	<b>62103 AA</b>	<b>62103 AAL</b>
		30103 H2	62103 H3	30103 H2	62103 H3
		30103 A	62103 AL	30103 A	62103 AL
		30103 M1	30103 M1	30103 A1	30103 A1



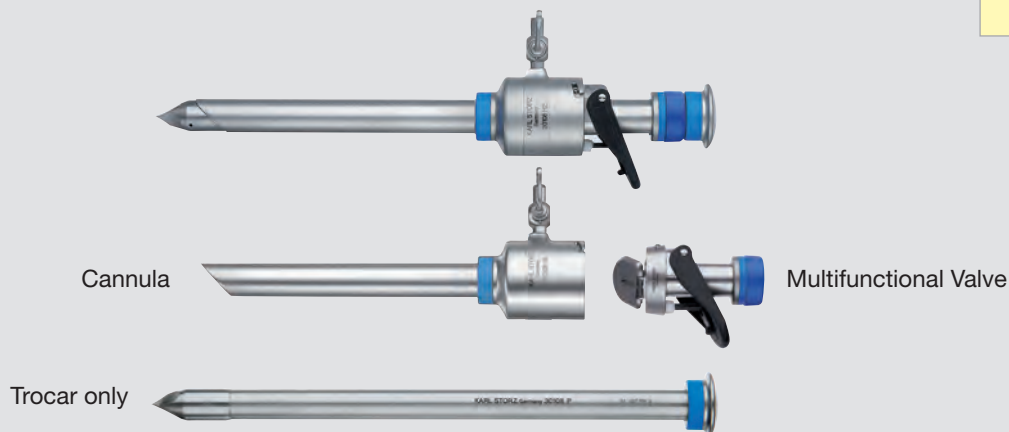
7616690-10\* **Sealing Cap**, (60/10), package of 10,  
for use with trocars size 11 mm




2-09z



# Trocars with Large Diameter

Size 13 and 13.5 mm



<b>Size:</b>		<b>13 mm</b>	<b>13.5 mm</b>
Working length:		16.5 cm	11.5 cm
Color code:		blue	blue
	<b>Trocar, with pyramidal tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Multifunctional Valve</b>	<b>62107 MPL</b>  62107 H3 62107 PL 30107 M1	—
	<b>Trocar, with conical tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Multifunctional Valve</b>	<b>62107 MCL</b>  62107 H3 62107 CL 30107 M1	—
	<b>Trocar, with pyramidal tip</b> including: <b>Cannula</b> <b>Trocar only</b> <b>Multifunctional Valve</b>	—	<b>30108 MP</b>  30108 H2 30108 P 30108 M1



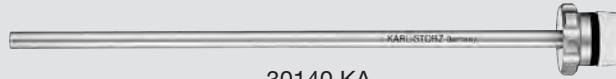
7416090-10\* **Sealing Cap, (60/13),** package of 10,  
for use with trocars size 13 /13.5 mm



# Accessories

## Reduction Sleeves and Reducers

### Reduction Sleeves



30140 KA

Instrument diameter	Outer diameter of cannula – color code			
	6 mm black	11 mm green	12 mm white	13 mm black
3 mm	30140 KA	30140 DA	–	–
5 mm	–	–	30140 EB	30140 HB
8 mm	–	30140 DD	–	–
10 mm	–	–	30140 EE	30140 HE

### Reducers



62141 AA



62141 DB

62141 AA **Reducer, 6/3 mm**

62141 DB **Reducer, 11/5 mm, flip style (optional for larger ovaries)**

62141 HB **Reducer, 13/5 mm**

62141 HE **Reducer, 13/10 mm**



30142 HB

30142 HB **Double Reducer, 13/10 mm and 13/5 mm**

### Reducers for use with trocars and TERNAMIAN ENDOTIP cannulas with silicone leaflet valve



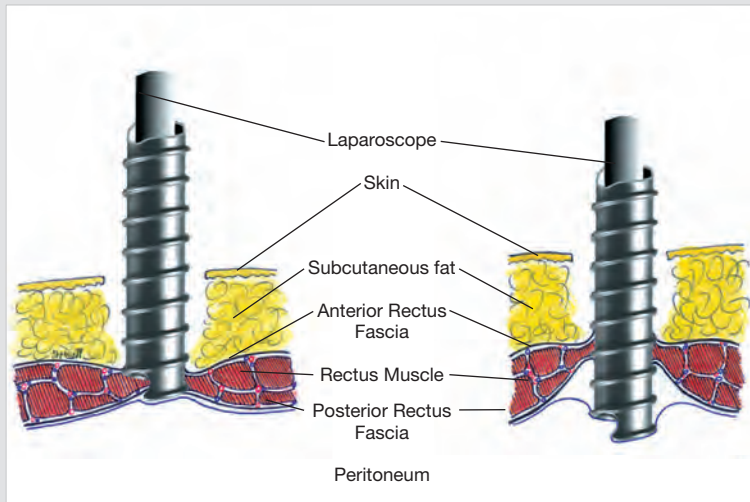
30160 RE

30160 RE **Reducer, 6/3 mm**

30103 RE **Reducer, 11/5 mm**

The TERNAMIAN ENDOTIP System (Endoscopic Threaded Imaging Port) is a KARL STORZ instrument for optically controllable access to the abdominal cavity. It replaces conventional trocars and, due to its unique design, offers a range of notable advantages for both surgeon and patient.

- The tissue is not cut through as it is when punctured with a conventional trocar, but is merely displaced. The integrity of the fasciae is preserved, and, therefore, that of the fascial closure mechanism.
- As sharp points or cutting trocars are not used, the risk of unintentional injuries to the patient is eliminated.
- Since the TERNAMIAN ENDOTIP System is not pushed into the peritoneum by applying pressure, but is introduced by controlled rotation, injuries to organs caused by uncontrolled penetration of the abdominal wall are virtually impossible.
- In conjunction with a HOPKINS® telescope, the surgeon has an excellent, enlarged image of the point of

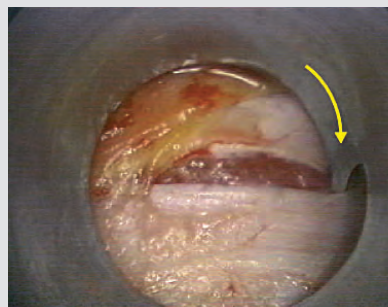


penetration and is, therefore, able to carefully monitor the penetration under optical control. The various tissue layers can be identified precisely.

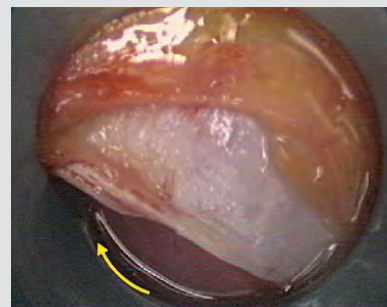
- The special design of the TERNAMIAN ENDOTIP System ensures a secure hold in the abdominal wall and prevents gas loss at the point of penetration.



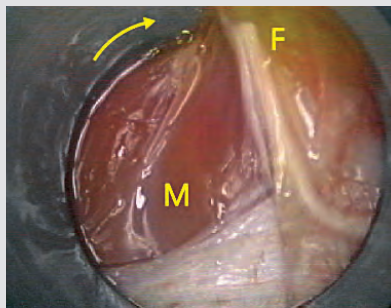
A small horizontal anterior rectus fascial incision is made under magnified video control. Blunt cannula tip (T).



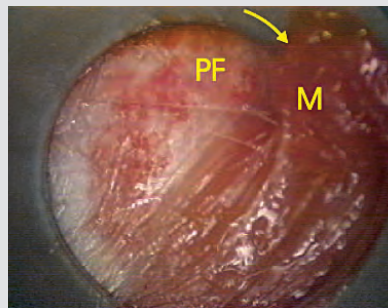
The TERNAMIAN ENDOTIP cannula is engaged in the anterior rectus fascial window and rotated clockwise.



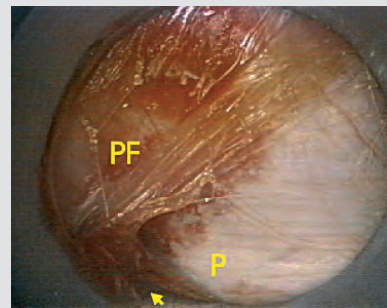
Under clear visual control the cannula advances atraumatically without applying axial penetration force.



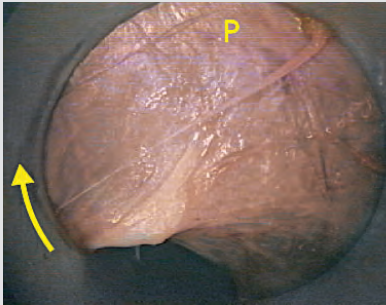
Rotation stretches radially, transposes and then lifts the anterior rectus fascia (F) and muscle (M) on to the cannula's outer thread.



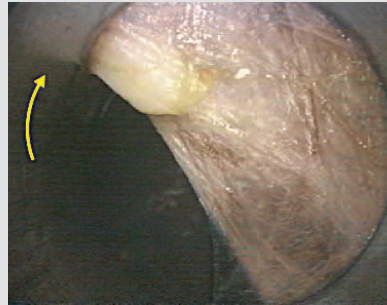
The rectus muscle (M) is transposed laterally to expose the posterior rectus fascia (PF).



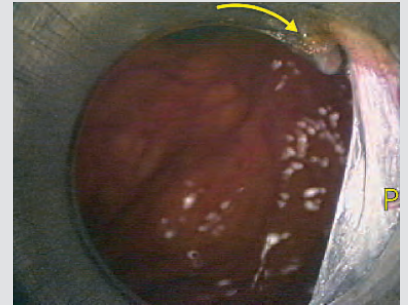
Further rotation will lift the posterior rectus fascia (PF) and advance the cannula to the pre-peritoneal space (P).



The thin peritoneal membrane transilluminates and appears blue-gray in color (P).



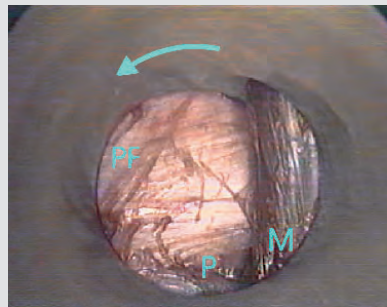
Continuous video control demonstrates different entry and exit layers clearly. This unique feature of the TERNAMIAN EndoTIP System allows the surgeon to stop advancing the cannula if bowel, vessels or adhesions are observed.



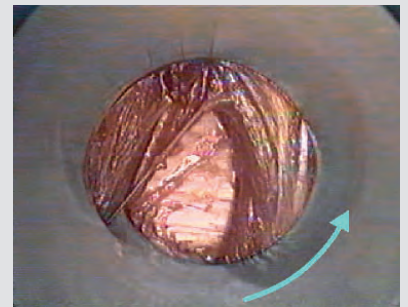
Access is under magnified visual control and atraumatic. Fascia and muscle fibers are not transected. The cannula's thread acts as a stabilizer to prevent slippage and discourage CO<sub>2</sub> leakage.



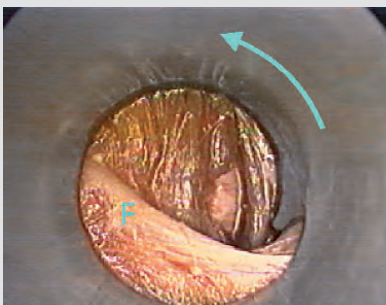
When the surgery is completed the cannula is rotated counter-clockwise. The different tissue layers disengage from the outer thread to converge in perfect apposition.



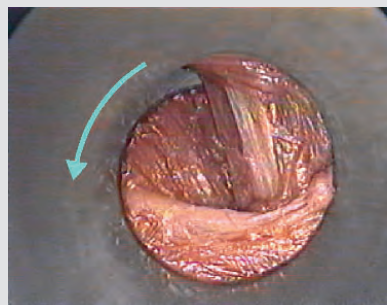
The peritoneum appears first (P), followed by the posterior rectus fascia (PF), rectus muscle (M), and then the anterior rectus fascia.



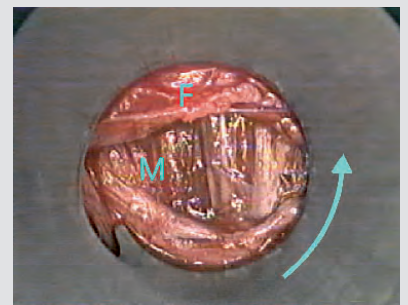
The rectus muscle fibers meet vertically to seal the peritoneal window, while the anterior rectus fascia shuts horizontally, to restore the natural tissue fiber orientation.



Since access is under visual control, hiatal or omental herniation along the cannula's tract is avoided. Lower half of anterior rectus fascia (F).



As sharp instruments or trocars are not used, muscle and fascial fibers are not transected and no tripolar fascial rent is sustained.



Tissue integrity is preserved at the access and exit site, maintaining the natural muscle shutter-mechanism.

# TERNAMIAN EndoTIP Cannulas <sup>NEW</sup>

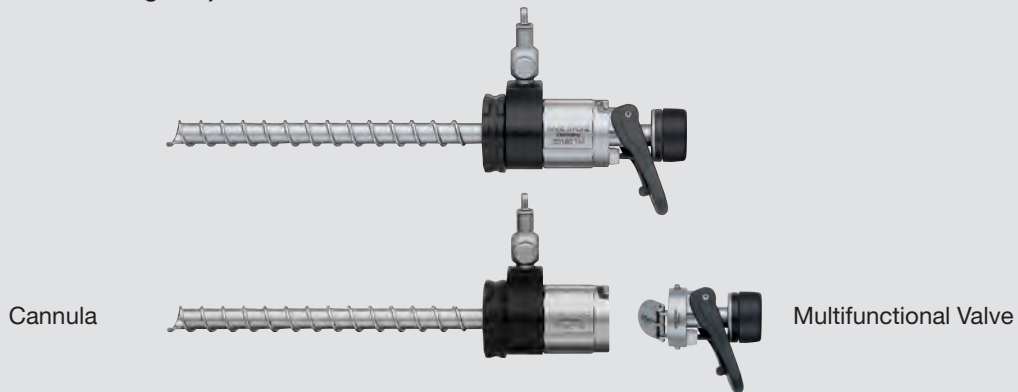
Size 6 mm


For use with instruments and telescopes diameter 5 mm



**Special Features:**

- Detachable stopcock housing
- Weight reduction due to plastic housing
- Color coding of housing indicates sizes (6 mm black/11 mm green)



<b>Size:</b>	<b>6 mm</b>
Working length:	10.5 cm
Color code:	black
 <p>TERNAMIAN <b>ENDOTIP</b> Cannula including:  <b>Cannula</b>, with thread and rotatable insufflation stopcock  <b>Multifunctional Valve</b></p>	<b>60160 TMR</b>
	30160 TM
	30160 M1



6127590-10\* **Sealing Cap**, (50/4), package of 10, for use with trocars size 6 mm



Effective use of TERNAMIAN **ENDOTIP** Cannulas requires prior abdominal insufflation, making it possible to penetrate the peritoneum

Accessories for trocars, see page 61

# TERNAMIAN EndoTIP Cannulas <sup>NEW</sup>

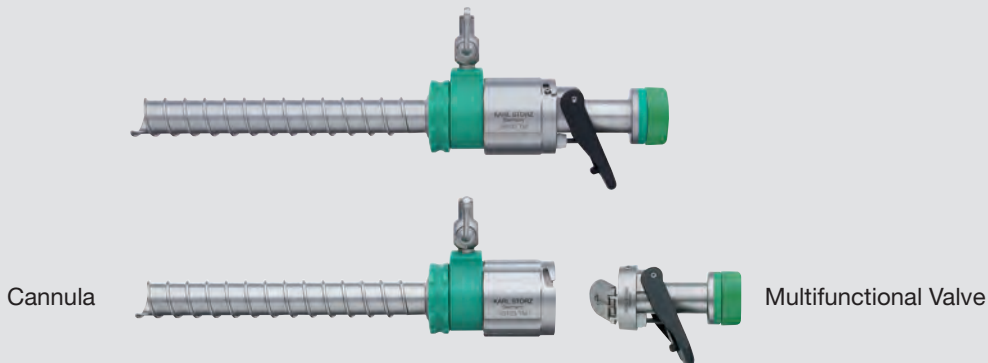
Size 11 mm

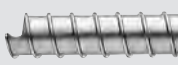
For use with telescopes diameter 10 mm



**Special Features:**

- Detachable stopcock housing
- Weight reduction due to plastic housing
- Color coding of housing indicates sizes (6 mm black/11 mm green)



Size:		11 mm	
Working length:		10.5 cm	20 cm
Color code:		green	green
	<b>TERNAMIAN ENDOTIP Cannula</b> including: <b>Cannula</b> , with thread and rotatable insufflation stopcock <b>Multifunctional Valve</b>	<b>60103 TMR</b>	<b>60103 TXR</b>
		30103 TM	60103 T5
		30103 M1	30103 M1



7616690-10\* **Sealing Cap**, (60/10), package of 10, for use with trocars size 11 mm



**Effective use of TERNAMIAN ENDOTIP Cannulas requires prior abdominal insufflation, making it possible to penetrate the peritoneum**

**Accessories for trocars**, see page 61

# Trocars <sup>NEW</sup>

Size 6 mm

For use with instruments size 5 mm

**XS**






**STERILE**



Trocar only



<b>Size:</b>		<b>6 mm</b>
Working length:		10 cm
Color code:		black
	<b>Trocar, with pyramidal tip</b> including: <b>Cannula, with LUER-Lock connector</b> <b>Trocar only</b> <b>Valve Seal, sterile, for single use, package of 10</b>	<b>30160 GZG</b>  30160 G6 30160 ZG 021299-10*
	<b>Trocar, with blunt conical tip</b> including: <b>Cannula, with LUER-Lock connector</b> <b>Trocar only</b> <b>Valve Seal, sterile, for single use, package of 10</b>	<b>30160 GNG</b>  30160 G6 30160 NG 021299-10*
	<b>Trocar, with conical tip</b> including: <b>Cannula, with LUER-Lock connector</b> <b>Trocar only</b> <b>Valve Seal, sterile, for single use, package of 10</b>	<b>30160 GYG</b>  30160 G6 30160 YG 021299-10*

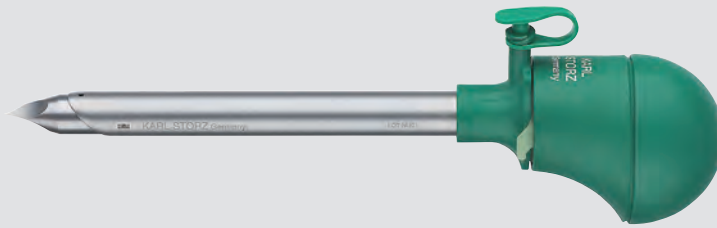




# Trocars <sup>NEW</sup>

Size 11 mm




For use with telescopes and instruments size 10 mm



STERILE

Valve Seal



<b>Size:</b>	<b>11 mm</b>	
Working length:	10 cm	
Color code:	green	
	<p><b>Trocar</b>, with pyramidal tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30103 GZG</b></p> <p>30103 G6 30103 ZG 021399-10*</p>
	<p><b>Trocar</b>, with blunt conical tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30103 GNG</b></p> <p>30103 G6 30103 NG 021399-10*</p>
	<p><b>Trocar</b>, with conical tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30103 GYG</b></p> <p>30103 G6 30103 YG 021399-10*</p>

10-15:






# Trocars <sup>NEW</sup>

Size 13.5 mm

For use with linear staplers

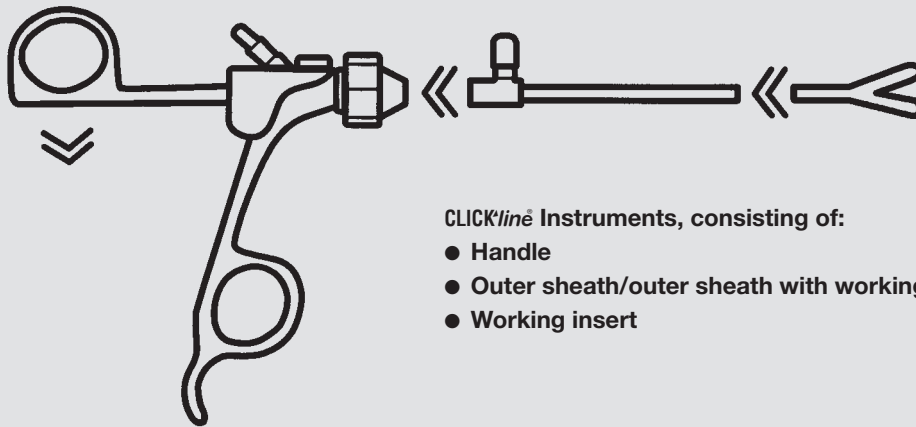


<b>Size:</b>	<b>13.5 mm</b>	
Working length:	10 cm	
Color code:	blue	
	<p><b>Trocar</b>, with pyramidal tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30108 GZG</b></p> <p>30108 G6 30108 ZG 021499-10*</p>
	<p><b>Trocar</b>, with blunt conical tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30108 GNG</b></p> <p>30108 G6 30108 NG 021499-10*</p>
	<p><b>Trocar</b>, with conical tip including: <b>Cannula</b>, with LUER-Lock connector <b>Trocar only</b> <b>Valve Seal</b>, sterile, for single use, package of 10</p>	<p><b>30108 GYG</b></p> <p>30108 G6 30108 YG 021499-10*</p>



**DISSECTING AND  
GRASPING FORCEPS,  
BIOPSY FORCEPS AND  
SCISSORS**





**CLICK'line Instruments, consisting of:**

- Handle
- Outer sheath/outer sheath with working insert
- Working insert

The **CLICK'line** series continues the development of instruments which have proven their value for years.

When the rear handle is positioned horizontally, the handle can be separated from the outer sheath and the working insert at the press of a button.

The HF connection is mounted at a 45° angle on the upper side of the handle, thereby guiding the high frequency cable away from the field of operation.

**Available in size 2 to 10 mm, CLICK'line instruments can be completely disassembled into separate components:**

- Handle
- Outer sheath/outer sheath with working insert
- Working insert

**This unique, reusable two/three-piece design offers the surgeon the following benefits:**

- Available in size 2 mm, length 20 cm; size 3/3.5 mm, length 20 or 30 cm; size 5 and 10 mm, length 30, 36 and 43 cm
- Choice of handle styles
- Fully rotational 360° sheath facilitates easy access in all clinical situations
- No hidden spaces that can trap blood or tissue debris
- Can be dismantled at the press of a button – reducing instrument cleaning time considerably
- Completely autoclavable design
- Cost-effective – reusable instruments reduce O.R. costs per case and simplify inventory management, eliminating the need to store large quantities of disposable instruments
- Environmentally correct, i.e. if damage occurs, only the component with the defect needs to be replaced – not the entire instrument
- Convenient and ergonomic handling
- Cleaning port allows the instrument to be cleaned without disassembly

**Due to the modular CLICK'line system, the user can individually assemble the desired instrument at any time.**

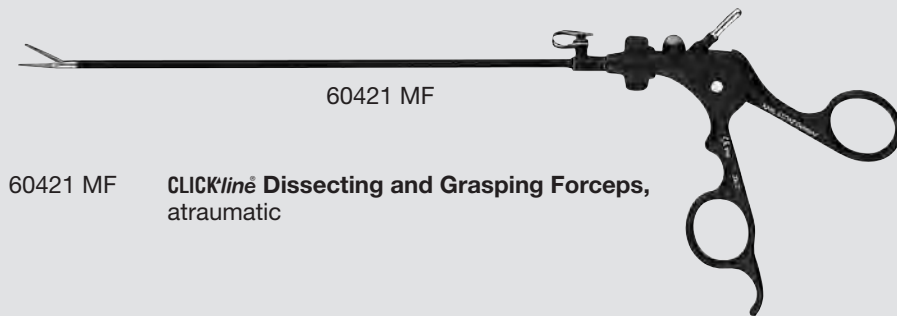
# User Information

For easy location of the correct catalog number of the required CLICK<sup>liné</sup> Instrument

## How to find the required instrument:

- (a) Select the required **instrument size** and required **jaws**
- (b) Select the required **handle style**
- (c) The catalog number for the entire instrument can be found at the intersection of the required parameters (see table below)

### Example:



## Dissecting and Grasping Forceps

CLICK<sup>liné</sup> – rotating, dismantling, insulated with connector pin for unipolar coagulation

Size 5 mm, length 43 cm

Length	Handle		
	(b) 33121	33122	33123
(a) 43 cm			
Single-action jaws			
Working Insert No.	Catalog number for the complete instrument		
33410 MF	(c) 60421 MF	60422 MF	60423 MF

CLICK<sup>liné</sup> Dissecting and Grasping Forceps, atraumatic, specially designed for grasping and removal of hollow organs

### Please note:

For CLICK<sup>liné</sup> instruments only the **individual components** are numbered. The number of the **complete instrument** is not on the instrument. Instruments with **insulated handles with connector pin** for unipolar coagulation are shown against the **red** background. Instruments with **handles without connector pins** for unipolar coagulation are shown against the **blue** background. The colour **green** indicates the **inserts**.

# Insulated Handles, Outer Sheath

for Dissecting and Grasping Forceps,

CLICK'liné – rotating, dismantling, with connector pin for unipolar coagulation

Plastic Handles, with and without ratchets

Made of high-quality plastics, meeting even the highest of safety requirements



33121 **CLICK'liné Plastic Handle, without ratchet**



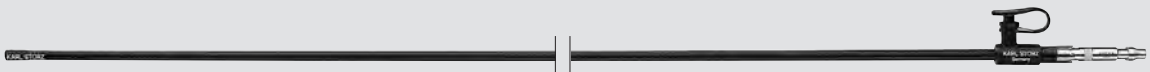
33122 **CLICK'liné Plastic Handle, with ratchet**



33123 **CLICK'liné Plastic Handle, with hemostat style ratchet**

Size 5 mm

Metal Outer Sheath, insulated



33400

33400

**CLICK'liné Metal Outer Sheath, insulated, with LUER-Lock irrigation connector for cleaning, size 5 mm, length 43 cm**

Rotating Wheel



33120 G

33120 G

**Rotating Wheel, for CLICK'liné and ROBI® handles, autoclavable, makes rotation of outer sheath more comfortable, package of 5**

Working inserts for instruments, size 5 mm, see pages 74-77

# Metal Handles, Outer Sheath

for Dissecting and Grasping Forceps,

CLICK'line® – rotating, dismantling, without connector pin for unipolar coagulation

## Metal Handles, with and without ratchets



33131 **CLICK'line® Metal Handle, without ratchet**



33132 **CLICK'line® Metal Handle, with ratchet**



33133 **CLICK'line® Metal Handle, with hemostat style ratchet**

## Size 5 mm

### Metal Outer Sheath



33400 M




33400 M

**CLICK'line® Metal Outer Sheath, with LUER-Lock irrigation connector for cleaning, size 5 mm, length 43 cm**



# Dissecting and Grasping Forceps

CLICK<sup>line</sup> – rotating, dismantling, insulated,  
with connector pin for unipolar coagulation


Size 5 mm, length 43 cm

Length	Handle		
	33121	33122	33123
43 cm			

## Single Action Jaws

Working Insert No.	Catalog number of the complete instrument		
33410 MG 	60421 MG	60422 MG	60423 MG
	<b>CLICK<sup>line</sup> Grasping Forceps</b> , “tiger jaws”, 2 x 4 teeth, for grasping and removal solid organs, in particular during adhesiotomy		
33410 ME 	60421 ME	60422 ME	60423 ME
	<b>CLICK<sup>line</sup> Grasping Forceps</b> , jaws with multiple teeth, width of jaws 4.8 mm, for atraumatic and accurate grasping		

## Double Action Jaws



33410 MD 	60421 MD	60422 MD	60423 MD
	<b>CLICK<sup>line</sup> Dissecting and Grasping Forceps</b>		





# Scissors, Biopsy Forceps

CLICK'line – rotating, dismantling, insulated,  
with connector pin for unipolar coagulation


Size 5 mm, length 43 cm

Length	Handle	
	33121	33123
43 cm		

## Single Action Jaws

Working Insert No.	Catalog number for the complete instrument	
34410 EK	60421 EK	–
	CLICK'line® Hook Scissors, jaws not crossing	
34410 DB	60421 DB	60423 DB
	CLICK'line® Dissecting and Biopsy Forceps	




## Double Action Jaws

34410 MA	60421 MA	–
	CLICK'line® Scissors, serrated, curved, spoon-shaped jaws, length of jaws 17 mm	



# Dissecting and Grasping Forceps

CLICK<sup>line</sup> – rotating, dismantling, without insulation, without connector pin for unipolar coagulation

Size 5 mm, length 43 cm

Length	Handle		
	33131	33132	33133
43 cm			

## Single Action Jaws

Working Insert No.	Catalog number for the complete instrument		
33410 BA	60431 BA	60432 BA	60433 BA
	CLICK <sup>line</sup> Grasping Forceps, atraumatic, jaws with multiple teeth, fenestrated		
33410 FM	60431 FM	60432 FM	60433 FM
	CLICK <sup>line</sup> Claw Forceps, 2 x 3 teeth		



## Double Action Jaws

33410 C	60431 C	60432 C	60433 C
	CLICK <sup>line</sup> Bowel Grasper, fenestrated, length of jaws 35 mm		



# Scissors, Biopsy Forceps

CLICK'line® – rotating, dismantling, without insulation, without connector pin for unipolar coagulation



Size 5 mm, length 43 cm

Length	Handle	
	33131	33133
43 cm		

## Single Action Jaws

Working Insert No.	Catalog number for the complete instrument	
34410 DZ	60331 DZ	60333 DZ
	CLICK'line® Biopsy Punch Forceps, with 2 teeth	
34410 DH	60331 DH	–
	CLICK'line® Biopsy Punch Forceps, through-cutting	

## Double Action Jaws

34410 MA	60331 MA	–
	CLICK'line® Scissors, serrated, curved, spoon-shaped jaws, length of jaws 17 mm	
34410 MW	60331 MW	–
	CLICK'line® Scissors, serrated, curved, conical tips	

# Handles, Outer Sheath

for Dissecting and Grasping Forceps,  
CLICK'line® – rotating, dismantling,  
with and without connector pin for unipolar coagulation



33131 **CLICK'line® Metal Handle, without ratchet**



33132 **CLICK'line® Metal Handle, with ratchet**



33151 **CLICK'line® Plastic Handle, without ratchet, with large contact area at the finger ring**

## Outer Sheath, size 10 mm



60500 L




**Outer Sheath, for instruments, insulated, with LUER-Lock connection for cleaning, size 10 mm, length 43 cm**

Working inserts for instruments, size 10 mm, see page 79




# Scissors, Forceps

CLICK'line® – rotating

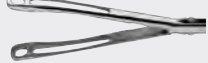

Size 10 mm, length 43 cm

Length	Handle		
	33131	33132	33151
43 cm			

## Single Action Jaws

Working Insert No.	Catalog number for the complete instrument		
60510 MTL 	60531 MTL	–	–
<b>CLICK'line® Scissors, serrated, robust</b>			
60510 WSL 	60531 WSL	–	–
<b>CLICK'line® Scissors, robust, with cylindrical grinding</b>			
60510 FSL 	–	60532 FSL	–
<b>CLICK'line® Claw Forceps, 2 x 3 teeth</b>			

## Double Action Jaws

60510 SGL 	60531 SGL	60532 SGL	60551 SGL
<b>CLICK'line® BABCOCK Grasping Forceps, atraumatic, for large organs, length of jaws 70 mm</b>			
60510 BCL 	60531 BCL	60532 BCL	60551 BCL
<b>CLICK'line® BABCOCK Grasping Forceps, atraumatic</b>			

10-99z

# KOH Macro Needle Holder, <sup>NEW</sup> Knot Tiers

## KOH Macro Needle Holder



26178 KPF



26178 KPF KOH **Macro Needle Holder**, with tungsten carbide insert, ergonomic pistol handle, with disengageable ratchet, ratchet position left, jaws straight, size 5 mm, length 43 cm, for use with suture material size 0/0 to 7/0 and needle sizes BV, SH or CT-1

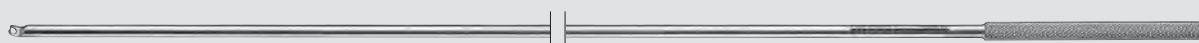


26178 KPL KOH **Macro Needle Holder**, with tungsten carbide insert, ergonomic pistol handle, with disengageable ratchet, ratchet position left, jaws curved to left, size 5 mm, length 43 cm, for use with suture material size 0/0 to 7/0 and needle sizes BV, SH or CT-1



26178 KPR KOH **Macro Needle Holder**, with tungsten carbide insert, ergonomic pistol handle with disengageable ratchet, ratchet position right, jaws curved to right, size 5 mm, length 43 cm, for use with suture material size 0/0 to 7/0 and needle sizes BV, SH or CT-1

## Knot Tiers



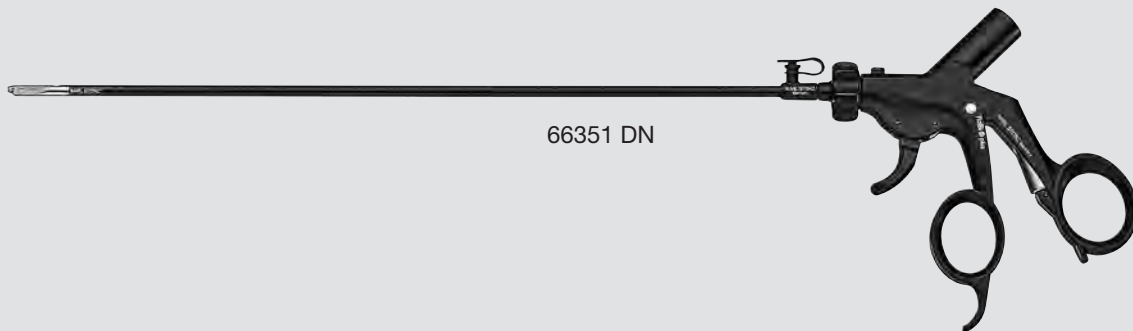
26596 SKL



26596 SKL KÖCKERLING **Knot Tier**, for extracorporeal knotting, size 5 mm, length 46 cm

# ROBI PLUS® 2 <sup>NEW</sup>

Reusable bipolar forceps,  
for safe coagulation and cutting with a single instrument



66351 DN



66351 DN

**ROBI PLUS® 2**, rotating, with connector pin for bipolar coagulation, with integrated cutting function, single action jaws, size 5 mm, length 35 cm

including:

**Ring Handle**, bipolar, with activator for cutting function

**Outer Sheath**, insulated, length 35 cm

2x **Knife Sheath with Integrated Blade**, for single use, length 35 cm

**Forceps Insert**, length 35 cm



66451 DN

**ROBI PLUS® 2**, rotating, with connector pin for bipolar coagulation, with integrated cutting function, single action jaws, size 5 mm, length 42 cm

including:

**Ring Handle**, bipolar, with activator for cutting function

**Outer Sheath**, insulated, length 42 cm

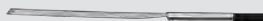
2x **Knife Sheath with Integrated Blade**, for single use, length 42 cm

**Forceps Insert**, length 42 cm

## Accessories



66300 M



66300 M

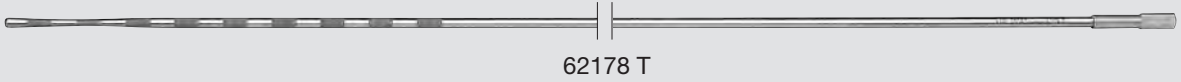
**Knife Sheath with Integrated Blade**, for single use, length 35 cm, for use with Bipolar Instrument ROBI PLUS® 66351 DN

66400 M

**Knife Sheath with Integrated Blade**, for single use, length 42 cm, for use with Bipolar Instrument ROBI PLUS® 66451 DN

For High Frequency Surgery Units see chapter 6

Components/Spare Parts see chapter 9



62178 T



62178 T

**Palpation Probe**, with cm-marking, size 5 mm, length 43 cm

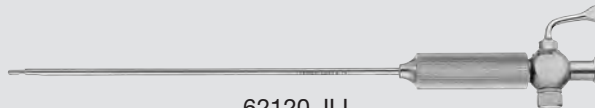


62178 P



62178 P

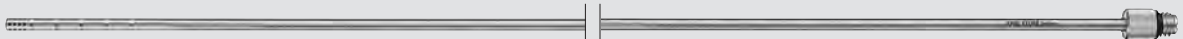
**Injection Cannula**, LUER-Lock, needle diameter 1.2 mm, size 5 mm, length 43 cm



62120 JLL

62120 JLL

**VERESS Pneumoperitoneum Needle**, with spring-loaded blunt stylet, LUER-Lock, **autoclavable**, diameter 2.1 mm, length 15 cm



37460 LH

37460 LH  
**NEW**

**Suction and Irrigation Tube**, with lateral holes, size 5 mm, length 43 cm



30805

30805  
**NEW**

**Handle with Two-Way Stopcock**, for suction and irrigation, **autoclavable**, for use with suction and irrigation tubes size 5 mm

Suction handles and units for suction see chapter 6



# Basic Instrument Set & Accessories for Equine Laparoscopy

- 62032 BPA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 10 mm, length 57 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 62103 MPL\* **Trocar**, with pyramidal tip, size 11 mm, working length 20 cm, color code: green  
including:  
**Cannula**, without valve, with insufflation stopcock  
**Trocar only**  
**Multifunctional Valve**
- 60103 TXR TERNAMIAN **ENDOTIP Cannula**, with thread and rotatable insufflation stopcock, size 11 mm, working length 20 cm, color code: green  
including:  
**Cannula**  
**Multifunctional Valve**  
**Seal Set 60/10**  
**Mandrel**, for opening automatic valves
- 62141 DB **Reducer**, 11/5 mm, flip style (optional for larger ovaries)
- 60532 FSL **CLICK'line® Claw Forceps**, rotating, 2 x 3 teeth, single action jaws, size 10 mm, length 43 cm  
including:  
**Metal Handle**, with ratchet  
**Outer Sheath**, insulated  
**Forceps Insert**
- 60532 BCL **CLICK'line® BABCOCK Grasping Forceps**, atraumatic, double action jaws, size 10 mm, length 43 cm  
including:  
**Metal Handle**, with ratchet  
**Outer Sheath**, insulated  
**Forceps Insert**
- 60421 DB **CLICK'line® Dissecting and Biopsy Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, size 5 mm, length 43 cm  
including:  
**Plastic Handle**, without ratchet  
**Metal Outer Sheath**  
**Forceps Insert**

\* 60103 TXR TERNAMIAN **ENDOTIP** cannula can be substituted or used in any combination with 62103 MPL

# Basic Instrument Set & Accessories for Equine Laparoscopy

- 60531 WSL **CLICK<sup>line</sup> Scissors**, rotating, robust, serrated, single action jaws, size 10 mm, length 43 cm  
including:  
**Metal Handle**, without ratchet  
**Outer Sheath**, insulated  
**Scissors Insert**
- 62178 T **Palpation Probe**, with cm-marking, size 5 mm, length 43 cm
- 62178 P **Injection Cannula**, LUER-Lock, needle diameter 1.2 mm, size 5 mm, length 43 cm

## Cleaning Accessories:

- 39301 B **Plastic Container for Sterilization and Storage of Telescopes**, perforated, with transparent lid, with silicone telescope holder, external dimensions (w x d x h): 446 x 90 x 45 mm, for 4 mm Cystoscopy Telescopes or 10 mm Laparoscopy Telescopes and similar  
including:  
**Bottom Part**  
**Lid**  
**Silicone Telescope Holder**, for two telescopes, up to size 5 mm  
**Silicone Telescope Holder**, for two telescopes, up to size 10 mm
- or
- 39501 BR **Wire Tray for Cleaning, Sterilization and Storage** of telescopes and accessories for bronchoscopy, including silicone telescope holders and lid, external dimensions (w x d x h): 622 x 150 x 78 mm

## Units for Equine Laparoscopy:

- 62 4325 01 **CO<sub>2</sub> ENDO-ARTHROFLATOR-VET**, power supply 100 – 240 VAC, 50/60 Hz  
including:  
**Silicone Tubing Set**, sterilizable  
**Universal Wrench**  
**Gas Filter\***, sterile, for single use, package of 10

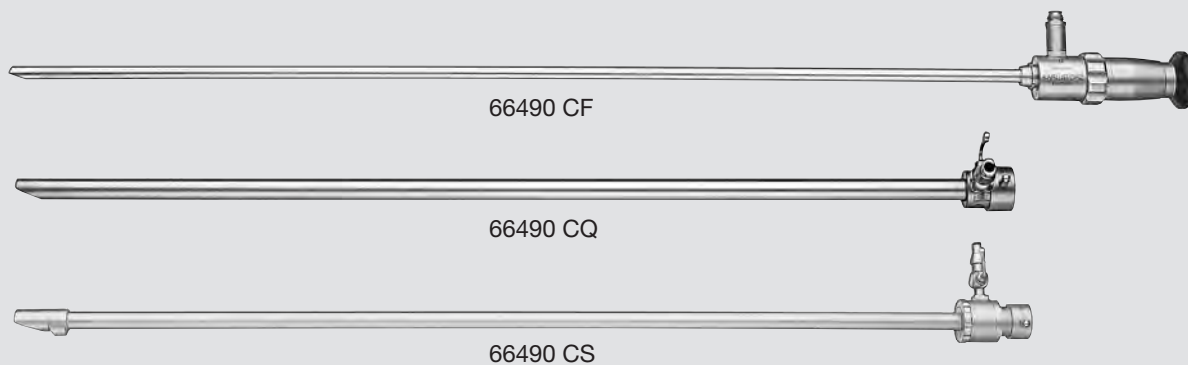


Section for video system options see catalog TELEPRESENCE

**EQUINE INTRAORAL  
ENDOSCOPY  
AND SINOSCOPY**



# Equine Intraoral Endoscopy, <sup>NEW</sup> Battery Light Source



- 66490 CF **Dental Telescope**, direction of view 70°, angle of view 90°, diameter 8 mm, working length 440 mm, for use with Protective Sheath 66490 CQ and Irrigation Sheath 66490 CS
- 66490 CQ **Protective Sheath**, with stopcock for cleaning the lens of Dental Telescope 66490 CF
- 66490 CS **Irrigation Sheath**, distal irrigation hole with diameter 1.5 mm, irrigation connector with 360° rotating stopcock, 340° rotating light connection, working length 440 mm, for use with Dental Telescope 66490 CF



11301 DE/D4

## Battery Light Source LED with standard batteries

- 11301 D4 **Battery Light Source LED for Endoscopes**, with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, **suitable for wipe disinfection**, for use with KARL STORZ endoscopes

## Battery Light Source LED with rechargeable batteries

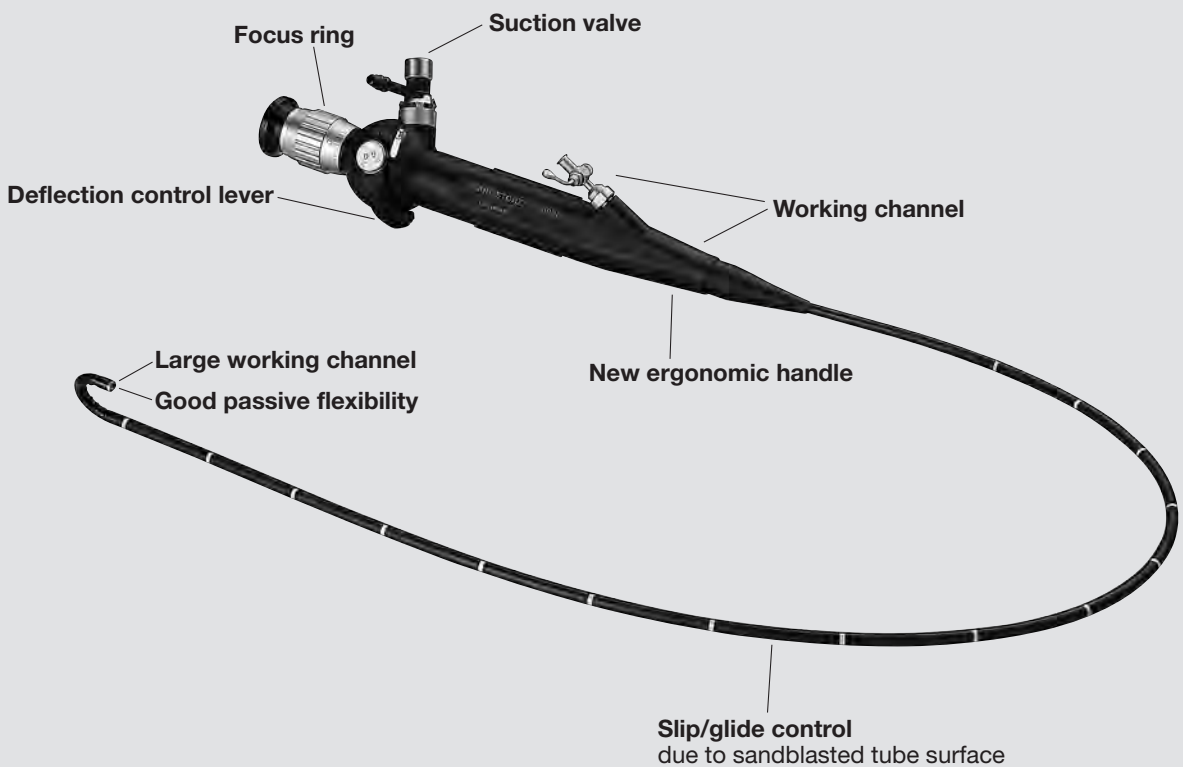
- 11301 DE **Battery Light Source LED for Endoscopes**, rechargeable, with click connection, boost mode for temporary increase in brightness, color temperature 5500 K, lithium-ion batteries, charging time 60 min, burning time at 100% brightness 40 min, weight approx. 150 g, **suitable for wipe disinfection**
- 094129 **Battery Charger Li-Ion**, for charging Rechargeable Battery Box 094124 or Battery Light Source LED 11301 DE/DF, power supply 100 – 240 VAC, 50/60 Hz, for use with Mains Cord 094127
- 094127 **Mains Cord**, for Battery Charger 094129, length 150 cm

# Fiberscopes

for use in the Equine Sinus



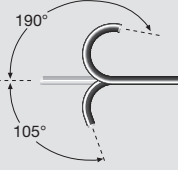


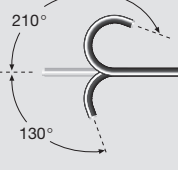
## Special features:

- Veterinary-specific dimensions include extended length and reduced diameter facilitating use in a wide variety of patient sizes
- Large viewing angle and moveable distal tip facilitates orientation
- Working channel for the use of operating instruments, suction, insufflation or irrigation
- Waterproof, fully immersible for cleaning and disinfection
- Simple leakage test prevents costly repairs
- Sterilizable with EtO and FO gas, Steris® and Sterrad®
- Exceptional optical quality of both lens and fiber optic image transmission bundle
- Resistant construction and robust mechanical components ensure long life of the instrument

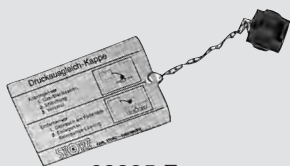


# Fiberscopes <sup>NEW</sup>

for use in the Equine Sinus

Broncho-Fiberscope	Order No.	Distal Tip	Deflection	Direction of View	Angle of View
<p>5.2 x 85</p> 	60001 VLK2		 <p>190° 105°</p>	0°	110°
<p>3.7 x 65</p> 	60002 VBK2		 <p>210° 130°</p>	0°	90°

**Accessories included:**



60025 E



13242 XL



6927691



11301 CB1



11301 CD1



60301 CE1

60025 E

**Pressure Compensation Cap,**  
for ventilation during gas sterilization

13242 XL

**Leakage Tester,** with bulb and manometer

6927691

**Adaptor for Two-Way Stopcock,** LUER-Lock,  
with O<sub>2</sub> tube connection

11301 CB1

**Suction Valve,** reusable

11301 CD1

**Irrigation Adaptor,** for machine cleaning,  
reusable, for fiberscopes

60301 CE1

**Suction Valve,** for single use, package of 5,  
for use with Broncho-Fiberscopes 60002 VB2  
and 60001 VL2



	Working Length	Total Length	Working Channel Inner Diameter	Distal Tip Outer Diameter	Accessories included:			
					Case	Pressure Compensation Cap	Leakage Tester	Cleaning Brush
	85 cm	113 cm	2.3 mm	5.2 mm	27677 A	60025 E	13242 XL	60651 BL
	65 cm	91 cm	1.5 mm	3.7 mm	27677 A	60025 E	13242 XL	27651 AL

**Instrument-specific Accessories, see table:**



- 60651 BL **Cleaning Brush**, flexible, for working channel of Broncho-Fiberscope 60001 VL2, length 120 cm
- 27651 AL **Cleaning Brush**, flexible, for working channel of Broncho-Fiberscope 60002 VB2, length 150 cm
- 110911-50\* **Cleaning Brush**, with double-sided brush, length 130 cm, brush diameter 3.0 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channels ranging from diameter 2.0 - 2.3 mm
- 110918-50\* **Cleaning Brush**, with double-sided brush, length 120 cm, brush diameter 1.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with a working channel diameter of 1.2 mm



**Fiber optic light cable for use with fiberscopes and Cold Light Fountains**  
see chapter 7, EXCERPT FROM TELEPRESENCE

**All fiberscopes and accessories are delivered in a sturdy case for storage and transportation.**

# Accessories for Fiberscopes <sup>NEW</sup>

Grasping Forceps, Biopsy Forceps, Cytology Brush, Stone Basket and Coagulation Electrode

Accessories for fiberscopes and videoendoscopes  
with a working channel of at least 1.2 mm



60275 FE **Grasping Forceps**, double-action jaws, 3 Fr., length 120 cm



60275 ZE **Biopsy Forceps**, oval cupped jaws, 3 Fr., flexible, length 120 cm



27023 Y **Cytology Brush**, 3 Fr., unsterile, for single use, package of 5



27023 VU **Stone Basket**, sterile, for single use, 3 Fr., length 115 cm



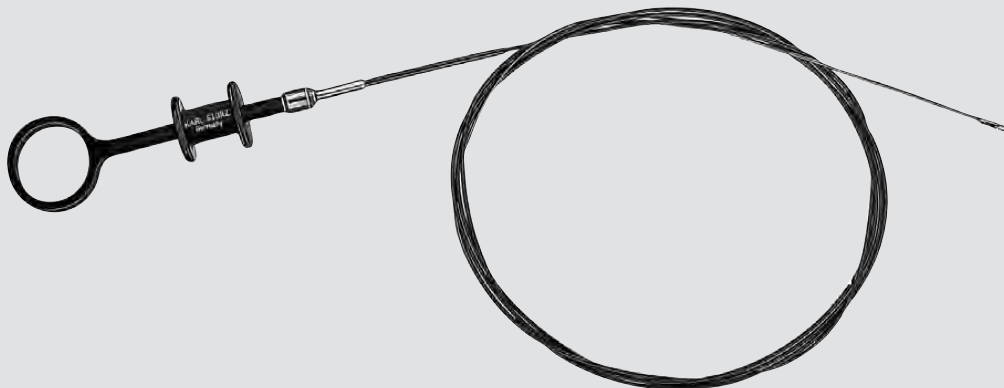
11770 T **Coagulation Electrode**, unipolar, 3 Fr., length 110 cm



# Accessories for Fiberscopes <sup>NEW</sup>

Biopsy Forceps, Grasping Forceps, Suction Catheter and Cytology Brush

Accessories for broncho-fiberscopes  
with working channel of at least 2 mm



60001 KL

**Biopsy Forceps**, spoon-shaped, round,  
diameter 1.7 mm, length 120 cm



60002 KS

**Grasping Forceps**, double-action jaws,  
diameter 1.7 mm, length 120 cm



60002 KX

**Grasping Forceps**, 2 x 3 teeth, flexible,  
diameter 1.7 mm, working length 120 cm



11008

**Suction Catheter**, 4.5 Fr., length 100 cm,  
with Adaptor 10479 F



60007 BL

**Cytology Brush**, diameter 1.8 mm,  
length 120 cm

including:

**Outer Tube**

**Components/Spare Parts** see chapter 9



# BOVINE AND SMALL RUMINANT ENDOSCOPY





## SEEH/HOSPES Theloresectoscopy Set

developed at the **Klinik für Geburtshilfe, Gynäkologie und Andrologie der Groß- und Kleintiere der Justus-Liebig-Universität Gießen, Professor: Prof. Dr. Dr. hc. H. BOSTEDT**

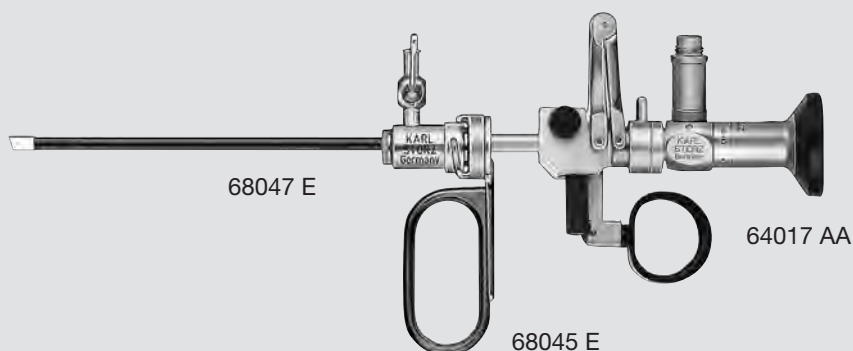
In co-operation with the clinic for obstetrics, gynecology and andrology for small and large animals at the Justus-Liebig University in Giessen (Germany), KARL STORZ designed the first theloresectoscope (teat endoscope with integrated electrosurgical working element) for user-friendly, minimally invasive diagnosis and surgery of the bovine teat.

The new instrument set enables access to the teat by means of **Endoscopy via Teat Canal** as well as the teat cistern wall via the **Lateral Approach**.

With either approach, endoscopic examination as well as electrosurgical resection of proliferative tissue, i.e. following internal teat lesions, can be performed in a

single procedure and without additional instruments. Assistance is not required as the theloresectoscope can be operated with one hand. The veterinary practitioner can position the instruments so that the entire operating field remains under visual control throughout the entire procedure. Therefore theloresectoscopy can be easily mastered by those less experienced in teat endoscopy and minimally invasive teat surgery.

The SEEH/HOSPES Theloresectoscopy Set combines the advantages of minimally invasive endoscopic diagnostics with the previously established electrosurgery in human medicine.



- 64017 AA **HOPKINS® Straight Forward Telescope 0°, autoclavable**, diameter 1.9/2.1 mm, length 18 cm, fiber optic light transmission incorporated, color code: green
- 68045 EA **SEEH/HOSPES Theloresectoscope** including:
  - Working Element**
  - 2x **Coagulation Electrode**
  - Unipolar High Frequency Cord**
  - Protection Tube**
- 68047 E **Sheath**, with LUER-Lock connector for insufflation, diameter 11 Fr.
- 20 4000 40 **Silicone Tubing Set**, for insufflation, sterilizable
- 600007 **LUER-Lock Tube Connector**, male, tube diameter 6 mm
- 68048 EH **Trocar** including:
  - Cannula**
  - Obturator**, blunt
  - Obturator**, conical

### High Frequency Cord for use with Working Element 68045 E:

KARL STORZ High Frequency  
Instrument Surgery Units



	277	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with models KARL STORZ and Erbe type T, older models
	277 A	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with Martin HF units
	277 KE	<b>Unipolar High Frequency Cord</b> , with 5 mm plug, length 300 cm, for use with AUTOCON®II 400 SCB (111, 115, 122, 125), AUTOCON®II 200, AUTOCON®II 80, AUTOCON® (50, 200, 350) and Erbe type ICC
	277 KB	<b>Unipolar High Frequency Cord</b> , with 8 mm plug, length 300 cm, for use with models AUTOCON®II 400 SCB system (112, 116) and Valleylab

#### Please note:

The high frequency cord has a standard length of **300 cm**. If a length of **500 cm** is required, please add the letter **L** to the catalog number, i.e. 277 KEL.

**Components/Spare Parts** see chapter 9

# Set for Laparoscopic Repositioning of Abomasal Displacement

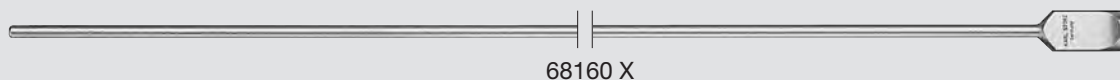
HOPKINS® Telescope, autoclavable

Trocar size 11 mm



26003 AA

**HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green



68160 X

**Cannula**, for toggle placement, diameter 5 mm, length 37 cm



68160 XS

**Obturator**, sharp, for Cannula 68160 X



68160 XT

**Obturator**, blunt, for Cannula 68160 X, for use as toggle pusher



68100 T

68100 T

**Toggle**, for abomasal fixation, package of 6 pieces

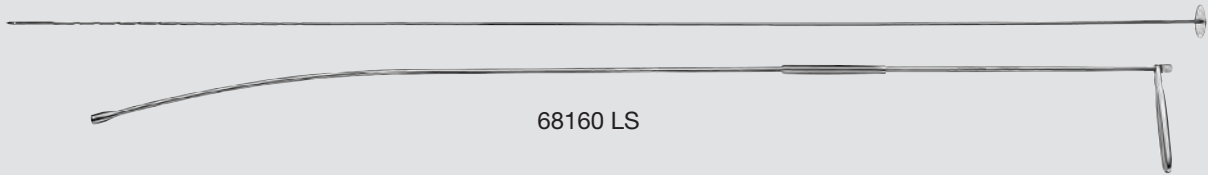
9-041

**Trocars**, see page 59 and 67

**Operating instruments**, see page 74-79

**Telescopes, long version**, see page 55

# Instrument for Laparoscopic Repositioning of Abomasal Displacement in standing position



68160 LS



68160 LS

**Suture Securing Instrument**, complete,  
including:  
**Sheath**, distal part  
**Sheath**, proximal part  
**Knife**, distal part  
**Knife**, proximal part

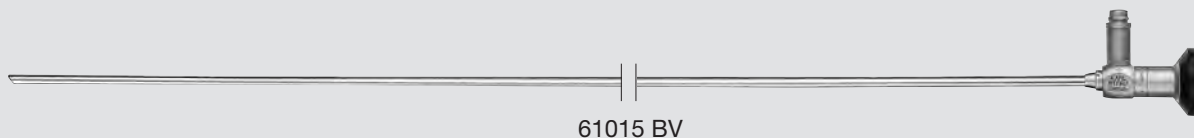
**Instruments for performing procedure by ventral approach,**  
see chapter 3, LAPAROSCOPES AND ACCESSORIES

**Components/Spare Parts** see chapter 9



# BREM/BESENFELDER Set for Laparoscopic Bovine Embryo Transfer

This set was designed for transvaginal, laparoscopic bovine embryo transfer in conjunction with the Interuniversitäres Forschungsinstitut für Agrarbiotechnologie in Tulln, Austria (IFA-Tulln).



61015 BV



61015 BV

**HOPKINS® Forward-Oblique Telescope 30°**, diameter 5.5 mm, length 54 cm, fiber optic light transmission incorporated, color code: red



66016 EA



66016 EA

**Universal Sheath**, with stopcock for insufflation, diameter 12.5 mm, working length 49.5 cm, with blunt Obturator 66016 EB



66016 EB

**Obturator**, blunt, for Universal Sheath 66016 EA



66016 ED

**Obturator**, with pyramidal tip, for Universal Sheath 66016 EA



66016 EC

**Obturator**, with conical tip, for Universal Sheath 66016 EA



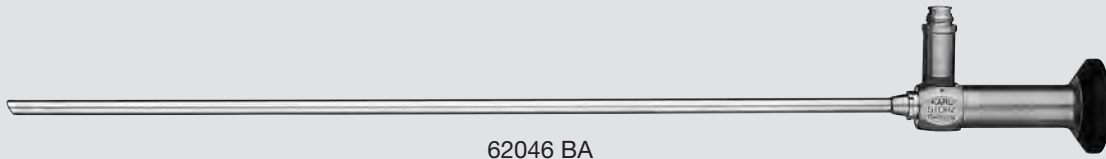
66016 B



66016 B

**Inner Sheath**, with working channel for transfer catheter, for use with Universal Sheath 66016 EA

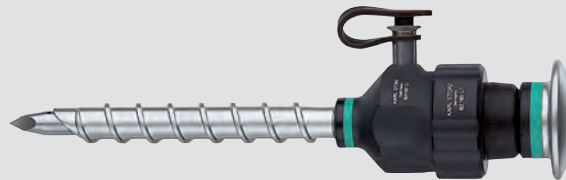
Facilitates direct intra-uterine deposit of fresh or frozen semen





62046 BA

62046 BA

**HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red



<b>Size:</b>		<b>6 mm</b>
Working length:		6 cm
Color code:		black-green
	<b>Trocar</b> , with sharp tip including: <b>Cannula</b> , with thread <b>Trocar only</b> <b>Silicone Leaflet Valve</b>	<b>62160 GSK</b>  62160 G1 62160 S 62160 L1
	<b>Trocar</b> , with blunt tip including: <b>Cannula</b> , with thread <b>Trocar only</b> <b>Silicone Leaflet Valve</b>	<b>62160 GBK</b>  62160 G1 62160 B 62160 L1



66322 BA

**CLICK'line® BABCOCK Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, atraumatic, with multiple teeth, fenestrated, size 5 mm, length 36 cm



62175 P

**Injection Cannula**, LUER-Lock, needle diameter 1.2 mm, size 5 mm, length 36 cm

## Recommended Basic Instrument Sets

### Basic Instrument Set for Theloresectoscopy

- 64017 AA **HOPKINS® Straight Forward Telescope 0°**, autoclavable, diameter 1.9/2.1 mm, length 18 cm, fiber optic light transmission incorporated, color code: green
- 68047 E **Sheath**, with LUER-Lock connector for insufflation, diameter 11 Fr.
- 68045 EA SEEH/HOSPES **Theloresectoscope**  
including:  
**Working Element**  
2x **Coagulation Electrode**  
**Unipolar High Frequency Cord**  
**Protection Tube**
- 68048 EH **Trocar**  
including:  
**Cannula**  
**Obturator**, blunt  
**Obturator**, conical
- 20 4000 40 **Silicone Tubing Set**, for insufflation, sterilizable
- 600007 **LUER-Lock Tube Connector**, male, tube diameter 6 mm
- 69 1110 01 **Cold Light Fountain VETERINARY**, with integrated insufflation pump, power supply 230 VAC, 50/60 Hz
- 69495 NL **Fiber Optic Light Cable**, diameter 3.5 mm, length 180 cm
- UH 301E **AUTOCON® III VET**, BIVASCULAR, power supply 220 – 240 VAC, 50/60 Hz  
including:  
**Mains Cord**  
**HF connecting sockets unipolar:**  
3-pin US type  
5 mm connector KARL STORZ/Erbe VIO  
**HF connecting sockets bipolar:**  
2-pin US type (28.58 mm)  
2x KARL STORZ/Erbe VIO  
**Connecting socket:**  
Neutral Electrode 2-pol  
Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU 300.  
System requirements: SCB-R-UI Software Release 20090001-46 or higher.
- UH 301U **Same**, power supply 100 – 127 VAC, 50/60 Hz
- 860021 E **Neutral Electrode**, of conductive silicone, with 1 rubber tie for fastening, contact surface A = 187 cm<sup>2</sup>, for use with Connecting Cable 27806
- 27806 **Neutral Electrode Connecting Cable**, for Neutral Electrodes 27805 and 860021 E, length 400 cm
- 20 0131 30 **One-Pedal Footswitch**, for controlling the coagulation function

## Basic Instrument Set for Laparoscopic Repositioning of Abomasal Displacement

- 26003 AA **HOPKINS® Straight Forward Telescope 0°**, enlarged view, diameter 10 mm, length 31 cm, **autoclavable**, fiber optic light transmission incorporated, color code: green
- 68160 X **Cannula**, for toggle placement, diameter 5 mm, length 37 cm
- 68160 XS **Obturator**, sharp, for Cannula 68160 X
- 68160 XT **Obturator**, blunt, for Cannula 68160 X, for use as toggle pusher
- 68100 T **Toggle**, for abomasal fixation, package of 6 pieces
- 68160 LS **Suture Securing Instrument**, complete, including:  
**Sheath**, distal part  
**Sheath**, proximal part  
**Knife**, distal part  
**Knife**, proximal part
- 11301 D4 **Battery Light Source LED for Endoscopes**, with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, **suitable for wipe disinfection**, for use with KARL STORZ endoscopes
- 62103 MP **Trocar**, with pyramidal tip, with insufflation stopcock, size 11 cm, working length 10.5 cm including:  
**Cannula**, without valve  
**Trocar only**  
**Multifunctional Valve**
- 60103 TMR TERNAMIAN **ENDOTIP Cannula**, with thread and rotatable insufflation stopcock, size 11 mm, working length 10.5 cm including:  
**Cannula**  
**Multifunctional Valve**  
**Seal Set 60/10**  
**Mandrel**, for opening automatic valves
- 27677 A **Case**, plastic, without inserts, internal dimensions (w x d x h): 725 x 325 x 85 mm
- 9200030 **Case Insert**, grooved foam

## Recommended Basic Instrument Sets

### Basic Instrument Set for Laparoscopic Bovine Embryo Transfer

- 62046 BA **HOPKINS® Forward-Oblique Telescope 30°**, enlarged view, diameter 5 mm, length 29 cm, **autoclavable**, fiber optic light transmission incorporated, color code: red
- 62160 GBK **Trocar**, with blunt tip, with LUER-Lock connector for insufflation, size 6 mm, working length 6 cm, color code: black-green
- 66322 BA **CLICK'line® BABCOCK Grasping Forceps**, rotating, dismantling, insulated, with connector pin for unipolar coagulation, with LUER-Lock irrigation connector for cleaning, single action jaws, atraumatic, with multiple teeth, fenestrated, size 5 mm, length 36 cm
- 62175 P **Injection Cannula**, LUER-Lock, needle diameter 1.2 mm, size 5 mm, length 36 cm
- RP100 S1 **TELE PACK VET X LED**, endoscopic video unit for use with all KARL STORZ TELECAM one-chip camera heads, veterinary video camera heads and videoendoscopes, incl. LED light source similar to Xenon technology, with integrated insufflation pump and digital Image Processing Module, 15" LCD TFT monitor with LED backlight, USB/SD memory module, color systems PAL/NTSC, power supply 100 – 240 VAC, 50/60 Hz
- 69495 NA **Fiber Optic Light Cable**, with straight connector, diameter 3.5 mm, length 230 cm
- 20 0300 30** **Adaptor**, with insufflation connector, for connecting KARL STORZ fiberscopes and videoendoscopes with KARL STORZ standard light connector to XENON 100 and Olympus cold light fountains
- 610 VET **Silicone Tubing Set**, with male/male LUER-Lock connectors, **autoclavable**, length 250 cm



# UNITS AND ACCESSORIES

INSUFFLATORS

SUCTION AND IRRIGATION SYSTEMS

MOTOR SYSTEMS

HIGH FREQUENCY SURGERY UNITS









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

INSUFFLATORS

SUCTION AND IRRIGATION  
SYSTEMS

MOTOR SYSTEMS

HIGH FREQUENCY  
SURGERY UNITS

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

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

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

- **Insufflators**
- **Suction and Irrigation Systems**
- **Motor Systems**
- **Lithotripsy Systems**
- **Units for High Frequency Surgery**





## ■ INSUFFLATORS

CO<sub>2</sub> ENDO-ARTHROFLATOR-VET

**NEW** ENDOFLATOR® 40 SCB

**NEW** ENDOFLATOR® 50 SCB

# CO<sub>2</sub> ENDO-ARTHROFLATOR-VET

Recommended System Configuration

### Special Features:

- One unit with laparoscopy mode and arthroscopy mode
- High operating safety
- Easy to use
- Continuously adjustable insufflation pressure
- Visual and acoustic alarm signals in the event of patient overpressure
- Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments)



**62 4325 01 CO<sub>2</sub> ENDO-ARTHROFLATOR-VET**,  
power supply 100 – 240 VAC, 50/60 Hz  
including:  
**Silicone Tubing Set**, sterilizable  
**Universal Wrench**  
**Gas Filter\***, sterile, for single use, package of 10

### Specifications:

Operating Mode	- ARTHRO mode - LAPARO mode	Parameter Display	- Insufflation Pressure - Intraabdominal Pressure: 0-100 mmHg (13.3kPa) - Gas Flow (l/min): 0-20 - Gas Consumption (l): 0-999
Gas Flow	- 0-20 l/min - 0-20 l/min	Power Supply	100-240 VAC, 50/60 Hz
Pressure	- 50-100 mmHg (6650 Pa-13332 Pa) - 0-15 mmHg (1999 Pa)	Dimensions, w x h x d	305 x 112 x 234 mm
Gas	CO <sub>2</sub>	Weight	5.5 kg
Measuring/Control System	electronic	Certified to	IEC 601-1, CE acc. to MDD



**Optional Accessories for the CO<sub>2</sub> ENDO-ARTHROFLATOR-VET** see page U 14-U 15  
**Components/Spare Parts** see chapter 9

# CO<sub>2</sub> ENDO-ARTHROFLATOR-VET

System Components

CO<sub>2</sub> Bottle, Pin-Index connector



CO<sub>2</sub> Bottle, German connector



CO<sub>2</sub> High Pressure Tube, Pin-Index connector



CO<sub>2</sub> High Pressure Tube, German connector



CO<sub>2</sub> High Pressure Tube, ISO connector



UNIT SIDE

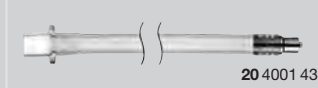
PATIENT SIDE



Gas Filter, sterile, for single use



Silicone Tube, for insufflation



VERESS Needle, Trocar and Arthroscope Sheath



2-09



## Special Features:

- Touch screen control
- Monitoring of the insufflation process via clear, adjacent displays for set value and actual values
- Adjustable flow rate up to 40 l/min
- PEDIATRIC mode with special safety limits for sensitive applications
- Automatic adjustment of insufflation rate to diverse instrument resistance values for the fastest possible insufflation
- Fully automatic, electronically controlled gas refill (e. g. in case of gas loss when changing instruments)
- SECUVENT® Safety System: Constant monitoring of intraabdominal pressure; any overpressure is reduced immediately
- With connection possibilities for communication with IMAGE1 S™



# ENDOFLATOR® 40 SCB <sup>NEW</sup>

Recommended Standard Set Configuration



UI 400S1 **ENDOFLATOR® 40 SCB**, set with integrated SCB module, power supply 100 – 240 VAC, 50/60 Hz including:  
**SCB Connecting Cable**, length 100 cm  
**Universal Wrench**  
**Insufflation Tubing Set\***, with gas filter, sterile, for single use, package of 5

**Specifications:**

Operating mode	- HIGH FLOW mode - PEDIATRIC mode
Gas flow	- PEDIATRIC mode: 0.1 – 15 l/min - HIGH FLOW mode: 1 – 40 l/min
Pressure	- PEDIATRIC mode: 1 – 15 mmHg - HIGH FLOW mode: 1 – 30 mmHg
Gas	CO <sub>2</sub>
Measuring/control system	Electronic
Parameter display	- Set pressure - Actual pressure (intraabdominal) - Gas flow - Gas consumption: 0 – 999 l - Status display gas consumption

SECUVENT® safety system	●
Power supply	100 – 240 VAC, 50/60 Hz
Dimensions w x h x d	305 x 164 x 315 mm
Weight	7.4 kg
Certified to	IEC 601-1, CE acc. to MDD

1-141

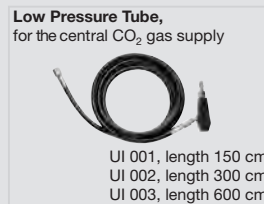
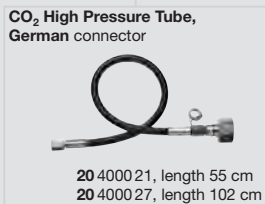
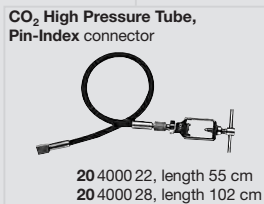


**Optional Accessories for ENDOFLATOR® 40 SCB** see pages U 14-U 15  
**Components/Spare Parts** see chapter 9

# ENDOFLATOR® 40 SCB <sup>NEW</sup>

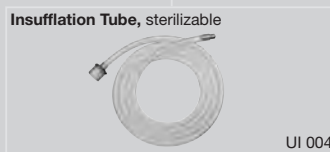
System Components

INSUFFLATORS



UNIT SIDE

PATIENT SIDE





# ENDOFLATOR® 50 SCB <sup>NEW</sup>

with Speed Flow Insufflation (50 l/min)

**STORZ**  
KARL STORZ — ENDOSKOPE

INSUFFLATORS

## Special Features:

- Control via large color 7" touch screen
- Monitoring of the insufflation process via the simultaneous display of set values and actual values
- Automatic adjustment of insufflation rate to diverse instrument resistance values for the fastest possible insufflation
- Fully automatic, electronically controlled gas refill (e.g. in case of gas loss when changing instruments)
- **SECUVENT®** safety system: Constant monitoring of intraabdominal pressure
- Especially suitable for providing a high gas flow when using smoke generating systems
- Powerful **HIGH FLOW** mode for fast insufflation of large gas volumes up to 50 l/min
- Tubing set with integrated heating element for preheating gas to body temperature to prevent telescope from fogging
- With connection possibilities to the **KARL STORZ Communication Bus (KARL STORZ-SCB)** for unit integration



# ENDOFLATOR® 50 SCB <sup>NEW</sup>

with Speed Flow Insufflation (50 l/min),  
Recommended Standard Set Configuration



UI 500S1 **ENDOFLATOR® 50 SCB**, with integrated SCB module, power supply 100 – 240 VAC, 50/60 Hz including:  
**SCB Connecting Cable**, length 100 cm  
**Universal Wrench**  
**Heated Insufflation Tubing Set\***, with gas filter, sterile, for single use, package of 3

**Specifications:**

Operating mode	- HIGH FLOW mode - PEDIATRIC mode
Gas flow	- PEDIATRIC mode: 0.1 – 15 l/min - HIGH FLOW mode: 1 – 50 l/min
Pressure	- PEDIATRIC mode: 1 – 15 mmHg - HIGH FLOW mode: 1 – 30 mmHg
Gas	CO <sub>2</sub>
Measuring/control system	Electronic
Parameter display	- Set pressure - Actual pressure (intraabdominal) - Gas flow - Gas consumption: 0-999 l - Status display gas consumption

SECUVENT® safety system	●
Heating element	●
Power supply	100 – 240 VAC, 50/60 Hz
Dimensions w x h x d	305 x 164 x 315 mm
Weight	7.8 kg
Certified to	IEC 601-1, CE acc. to MDD



**Optional Accessories for ENDOFLATOR® 50 SCB** see pages U 14-U 15  
**Components/Spare Parts** see chapter 9

# ENDOFLATOR® 50 SCB <sup>NEW</sup>

System Components

CO<sub>2</sub> Bottle, empty,  
Pin-Index connector



26 4000 91

CO<sub>2</sub> Bottle, empty,  
German connector



26 4000 90

CO<sub>2</sub> High Pressure Tube,  
Pin-Index connector



20 4000 22, length 55 cm  
20 4000 28, length 102 cm

CO<sub>2</sub> High Pressure Tube,  
German connector



20 4000 21, length 55 cm  
20 4000 27, length 102 cm

CO<sub>2</sub> High Pressure Tube,  
ISO connector



20 4002 22, length 102 cm

Low Pressure Tube,  
for the central CO<sub>2</sub> gas supply



UI 001, length 150 cm  
UI 002, length 300 cm  
UI 003, length 600 cm

UNIT SIDE  
PATIENT SIDE

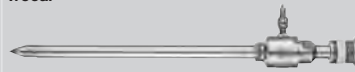


Heatable Insufflation Tubing Set



031210-03\*

Trocar



62103 APL

VERESS Pneumoperitoneum Needle



26120 J

1-141



# Optional Accessories

for Insufflators

INSUFFLATORS

for use with

ENDOFLATOR®  
50 SCB  
UI 500S1







ENDOFLATOR®  
40 SCB  
UI 400S1

CO<sub>2</sub> ENDO-ARTHRO-  
FLATOR-VET  
62 432520

	62120 J 62120 JLL 62120 JL	VERESS <b>Pneumoperitoneum Needle</b> , with spring-loaded blunt stylet, LUER-Lock, <b>autoclavable</b> , diameter 2.1 mm, length 10 cm <b>Same</b> , length 15 cm <b>Same</b> , length 13 cm	•	•	•
	62103 APL	<b>Trocar</b> , size 11 mm	•	•	•
	64131 CR	<b>High-Flow Arthroscope Sheath</b> , diameter 5.5 mm, working length 13.5 cm	-	-	•
	20 4000 32	<b>High Pressure Inline Gas Filter</b>	•	•	•
	20 4001 43	<b>Silicone Tubing Set</b> , sterilizable	•	•	•
	26 4000 90 26 4000 92	<b>CO<sub>2</sub> Bottle</b> , empty, with German connection <b>Same</b> , filled	•	•	•
	26 4000 91 26 4000 93	<b>CO<sub>2</sub> Bottle</b> , empty, with Pin-Index connection <b>Same</b> , filled	•	•	•
	UI 005	<b>Bottle Holder</b> , fold-away, holder for CO <sub>2</sub> gas bottles 1000 ml, including attachments	•	•	-
	20 4000 21 20 4000 27	<b>CO<sub>2</sub> High Pressure Tube</b> , American connection/German connection, length 55 cm <b>Same</b> , length 102 cm	•	•	•
	20 4000 22 20 4000 28	<b>CO<sub>2</sub> High Pressure Tube</b> , American connection/Pin-Index connection, length 55 cm <b>Same</b> , length 102 cm	•	•	•

# Optional Accessories

for Insufflators

			for use with		
			ENDOFLATOR® 50 SCB UI 500S1	ENDOFLATOR® 40 SCB UI 400S1	CO <sub>2</sub> ENDO-ARTHRO- FLATOR-VET 62.4325.20
	20 4002 22	<b>CO<sub>2</sub> High Pressure Tube</b> , American connection/ISO connection, length 102 cm	•	•	•
	031200-10*	<b>Insufflation Tubing Set with Gas Filter</b> , length 300 cm, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 50 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40 and ENDOFLATOR® 50)	•	•	•
	031210-10*	<b>Same</b> , heatable	•	-	-
	031122-25*	<b>Gas Filter</b> , with ISO connectors, hydrophobic on both sides, sterile, for single use, package of 25, for use with insufflation units with a maximum gas flow of 50 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40 and ENDOFLATOR® 50)	•	•	•
	UI 004	<b>Insufflation Tube</b> , sterilizable, inner diameter 9 mm, length 250 cm	•	•	•
	031622-10*	<b>Insufflation Tubing Set with Gas Filter</b> , length 400 cm, two patient-side tube connections, hydrophobic on both sides, sterile, for single use, package of 10, for use with insufflation units with a maximum gas flow of 30 l/min (Electronic ENDOFLATOR®, THERMOFLATOR®, ENDOFLATOR® 40 and ENDOFLATOR® 50)	•	•	•

2-09z







## ■ SUCTION AND IRRIGATION SYSTEMS

**NEW** ENDOMAT® SELECT VET  
VETPUMP® 2

# ENDOMAT® SELECT VET <sup>NEW</sup>

Roller Pump for the irrigation of fluids

**STORZ**  
KARL STORZ — ENDOSKOPE

## Special Features:

- Roller pump system for flow-controlled irrigation or suction during surgical and diagnostic procedures
- Max. flow setting: 3500 ml/min
- Fields of application can be expanded at any time
- Unit and accessories extremely easy to use
- Multidisciplinary use
- With connection option for KARL STORZ Communication Bus (KARL STORZ-SCB)



SUCTION AND IRRIGATION SYSTEMS



# ENDOMAT® SELECT VET <sup>NEW</sup>

Roller Pumps – Suction or Irrigation System,  
Recommended Standard Set Configuration



UP 211

**ENDOMAT® SELECT VET**, suction or irrigation pump,  
power supply 100 – 240 VAC, 50/60 Hz

including:

**ENDOMAT® SELECT**, including mains cord

**VET Software**, License

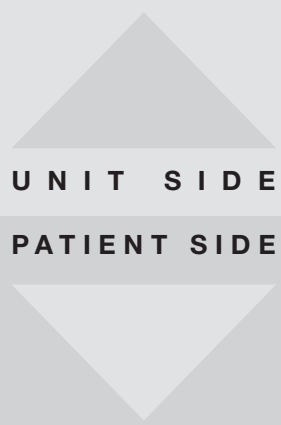
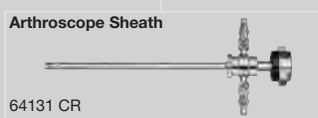
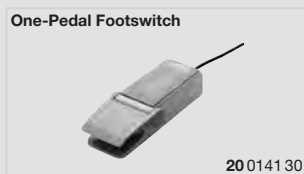
#### Specifications:

Software package	Surgery	Operating mode	Irrigation, flow-controlled
Flow max.	3500 ml/min	Dimensions w x h x d	305 x 110 x 260 mm
Power supply	100-240 VAC, 50/60 Hz	Certified to	IEC 601-1, CE acc. to MDD
Weight	4.7 kg		
Parameter display	- Set flow - Actual flow		

**Optional Accessories for ENDOMAT® SELECT VET** see page U 21-U 22  
**Components/Spare Parts** see chapter 9

# ENDOMAT® SELECT VET <sup>NEW</sup>

System Components






SUCTION AND IRRIGATION SYSTEMS






# ENDOMAT® SELECT VET

Optional Accessories




## For use with program SURG

	<p>031524-10* <b>Tubing Set for Irrigation, FC, sterile, for single use, package of 10, for use with HAMOU® ENDOMAT® SCB 26 3311 20-1 and ENDOMAT® SELECT</b> <span style="border: 1px solid black; padding: 2px;">STERILE</span> </p>
	<p>UP 007 <b>Tubing Set, irrigation, FC, reusable, sterilizable</b></p>




## For use with programs ART SA and ART LA

	<p>031523-10* <b>Tubing Set for Irrigation, PC, sterile, for single use, package of 10, for use with HAMOU® ENDOMAT® SCB 26 331120-1 and ENDOMAT® SELECT</b> <span style="border: 1px solid black; padding: 2px;">STERILE</span> </p>
	<p>UP 008 <b>Tubing Set, irrigation, PC, reusable, sterilizable</b></p>

## For use with program SURG Direct Suction


	<p>030647-10* <b>Tubing Set for Suction, DS, sterile, for single use, package of 10, for use with ENDOMAT® SELECT</b> <span style="border: 1px solid black; padding: 2px;">STERILE</span> </p>
	<p>UP 009 <b>Tubing Set, irrigation, DS, reusable, sterilizable</b></p>

## For use with program SURG Bottle Suction


	<p>031647-10* <b>Tubing Set for Suction, BS, sterile, for single use, package of 10, for use with ENDOMAT® SELECT</b> <span style="border: 1px solid black; padding: 2px;">STERILE</span> </p>
	<p>UP 010 <b>Tubing Set, irrigation, BS, reusable, sterilizable</b></p>

# ENDOMAT® SELECT VET

Optional Accessories

	20 0900 70	<b>SCB Connecting Cable</b> , length 30 cm
	40360 LH	<b>Suction and Irrigation Tube</b> , with lateral holes, distally angled sheath, size 5 mm, length 28 cm
	30805	<b>Handle with Two-Way Stopcock</b> , for suction and irrigation, <b>autoclavable</b> , for use with suction and irrigation tubes size 5 mm
	64131 CR	<b>High-Flow Arthroscope Sheath</b> , diameter 5.5 mm, working length 13.5 cm

## Footpedal for use with VET SURG programs

	20 0141 30	<b>One-Pedal Footswitch</b> , digital, one-stage
---	------------	--

SUCTION AND IRRIGATION SYSTEMS

# VETPUMP® 2

Combined, adjustable Suction and Irrigation System,  
Recommended System Configuration

### Special Features:

- Powerful suction and irrigation pump for most veterinary medical applications for both rigid and flexible KARL STORZ endoscopes (not recommended for Arthroscopy)
- Irrigation pressure and suction vacuum can be regulated separately
- Low noise level as all pumps operate on demand



- 69 3216 01 VETPUMP® 2**, adjustable suction and irrigation pump, power supply 100/120/230/240 VAC, 50/60 Hz including:
- Mains Cord**
  - Mains Cord**, US version
  - Suction Bottle**, 1.5 l, sterilizable
  - Bottle Cap**, for Suction Bottle **20 3000 52**
  - Bottle Holder**, for Suction Bottle **20 3000 52**
  - Irrigation Bottle**
  - Bottle Cap**, for Irrigation Bottle **69 3116 01**
  - Bottle Holder**, for Irrigation Bottle **69 3116 01**

### Optional Accessories:

- 69 3200 33 Silicone Tubing Set**, irrigation-suction from unit to bottles, autoclavable
- 69811 Instrument Tubing Set, autoclavable**, connects bottles to Handle 69810, for use with VETPUMP® 2 or Handle 37112 A with Adaptor 69811 LAP
- 37112 A Handle**, straight, with clamping valve, for suction and irrigation, autoclavable
- 69811 LAP Adaptor**, package of 5, to connect tubing set 69811 to handle 37112A

### Specifications:

Pressure Regulated	max. 600 mmHg	Dimensions w x h x d	305 x 110 x 260 mm
Flow Regulated	max. 3.5 l/min	Weight	3.8 kg
Suction Pressure	regulated: max. 580 mmHg	Certified to	EN 61010-1
Power Supply	100/120, 230/240 VAC, 50/60 Hz		

**Optional Accessories for the VETPUMP® 2** see page U 25

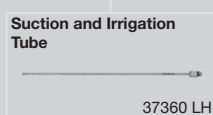
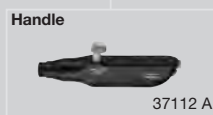
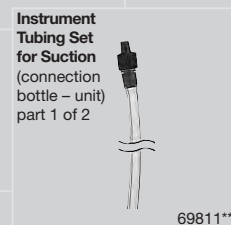
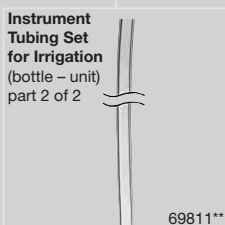
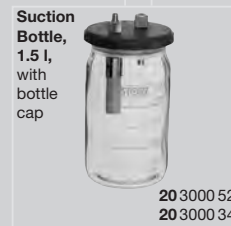
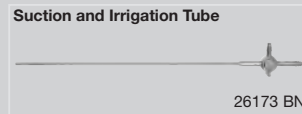
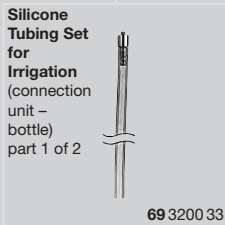
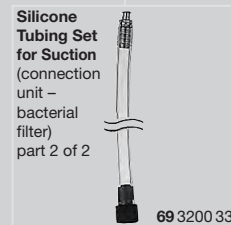
**Components/Spare Parts** see chapter 9

# VETPUMP® 2

System Components

UNIT SIDE

PATIENT SIDE



SUCTION AND IRRIGATION SYSTEMS

\*\* Remove black plastic fitting from Tubing Set 69811 and replace with Adaptor 69811 LAP.



# Optional Accessories

for pump/suction or irrigation system

			for use with	
			ENDOMAT® SCB 69 3310 09-1	VETPUMP® 2 69 3216 01
	20 0141 30	<b>One-Pedal Footswitch</b> , digital, one-stage, for irrigation	●	-
	20 0102 30	<b>One-Pedal Footswitch</b> , two-stage	●	-
	20 3000 42	<b>Silicone Tubing Set</b> , for suction, sterilizable	-	●
	20 3004 82	<b>Connector Set</b> , for ENDOMAT® LC, for use with Silicone Tubing Sets 20 3303 40, 20 3303 41 and 20 3303 43	●	-
	20 3303 93	<b>Pump Tube</b> , sterilizable, package of 25	●	-
	20 0900 70 20 0903 70	<b>SCB Connecting Cable</b> , length 30 cm Same, length 60 cm	●	-
	20 3000 50 20 3000 32 20 3000 33	<b>Suction Bottle</b> , 5 l, sterilizable <b>Bottle Stand</b> , for suction bottle 5 l <b>Bottle Stand Holder</b> , for Bottle Stand 20 3000 32	-	●
	26173 BN	<b>Suction and Irrigation Tube</b> , with lateral holes, anti-reflex surface, with two-way stopcock for single-hand control, size 5 mm, length 36 cm	-	●
	69811	<b>Instrument Tubing Set</b> , autoclavable, connects bottles to Handle 69810, for use with VETPUMP® 2 or Handle 37112 A with Adaptor 69811 LAP	-	●
	69 3200 33	<b>Silicone Tubing Set</b> , irrigation-suction from unit to bottles, autoclavable	-	●
	610 VE	<b>Silicone Tubing Set</b> , for insufflation when using an external insufflation pump and Adaptor 487 VE or 69487 KVE	-	●
	69811 LAP	<b>Adaptor</b> , package of 5, to connect tubing set 69811 to handle 37112A	-	●
	37112 A	<b>Handle</b> , straight, with clamping valve, for suction and irrigation, autoclavable	-	●
	37360 LH	<b>Suction and Irrigation Tube</b> , with lateral holes, size 5 mm, working length 36 cm, for use with suction and irrigation handles	-	●

SUCTION AND IRRIGATION SYSTEMS

2-091







## ■ MOTOR SYSTEMS

*NEW* UNIDRIVE® S III ARTHRO SCB

# UNIDRIVE® S III ARTHRO SCB <sup>NEW</sup>

The aim of all arthroscopic procedures is the same: To complete the procedure quickly and with minimal trauma, thereby reducing patient time under anesthesia.

With the UNIDRIVE® S III ARTHRO SCB, KARL STORZ has developed a motor system that is customized to meet these requirements.

- Easy to use
- Automatic handpiece recognition
- Control of rotation speed similar to the multifunctional handpiece
- Comprehensive portfolio of single-use and reusable blades
- Communication with ARTHROPUMP® Power



# UNIDRIVE® S III ARTHRO SCB <sup>NEW</sup>

Recommended Set Configuration

## Special Features:

- Arthroscopic motor system for all joints
- Stable torque throughout entire speed range
- Motors with speed of max. 8000 rpm
- Multifunctional handpiece with accessories:
  - Jacobs chucks
  - Pin drivers
  - Sagittal saws
  - Synthes-style drivers
- Various control options possible
  - Hand controls
  - Footswitch
  - Touch screen
- Fast and easy change of blade via quick coupling
- Single-use and reusable blades available
- Handle with detachable valve assembly for optimal reprocessing



**28 7230 01-1 UNIDRIVE® S III ARTHRO SCB**, with color display, touch screen operation, two motor outputs, with integrated SCB module, power supply 100 – 120/230 – 240 VAC, 50/60 Hz including:  
**SCB Connecting Cable**, length 100 cm  
**Mains Cord**

## Specifications:

Operating mode	- counter-clockwise - clockwise - oscillating	Power supply	100 – 120/230 – 240 VAC, 50/60 Hz
Connections	- small joint handpiece - hybrid handpiece - multifunction handpiece - footswitch - KARL STORZ-SCB	Dimensions w x h x d	305 x 165 x 280 mm
		Weight	5.2 kg
		Certified to	IEC 601-1, CE acc. to MDD

## System requirements:

SCB control NEO System with installed SCB control NEO Software Release **20 0900 01-44** or higher

**Optional Accessories for the UNIDRIVE® S III SCB** see page U 32

**Components/Spare Parts** see chapter 9



28200 DX

28200 DX

**DRILLCUT-X® ARTHRO Shaver Handpiece**, up to 8000 rpm,  
for use with UNIDRIVE® S III ARTHRO SCB

Please note: The shaver handpieces should not be treated with universal spray.  
Optional accessories for UNIDRIVE® S III ARTHRO SCB see pages U 32

# UNIDRIVE® S III ARTHRO SCB <sup>NEW</sup>

System Components

Two-Pedal Footswitch



20 0168 31

Three-Pedal Footswitch



20 0128 32

UNIT SIDE

PATIENT SIDE



28200 DX  
DRILLCUT-X® ARTHRO  
Shaver Handpiece,  
up to 8000 rpm

## Optional Accessories

for UNIDRIVE® S III ARTHRO SCB shaver handpieces and blades



28205 SAA **Irrigation Adaptor**, for validated cleaning of outer blades







28205 SAI **Irrigation Adaptor**, for validated cleaning of inner blades


# Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB,  
for cutting and grinding

**Working length 180 mm** (recommended for soft tissue)

Type	For single use package of 6 	Reusable single-packaged	Color Code
 Aggressive Cutter	28208 BKS diameter 4.5 mm	–	green
 Aggressive Full Radius Resector	28208 DCS diameter 4.5 mm	–	blue
 Curved Aggressive Full Radius Resector	28208 EHS diameter 4.5 mm	–	light green







**Working length 180 mm** (recommended for bone)

 Semi Hooded Barrel Burr	28208 IDS diameter 5.5 mm	–	pink
--	---------------------------------	---	------

# Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB,  
for cutting and grinding

Working length 120 mm (recommended for soft tissue)



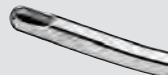

Type		For single use package of 6 		Reusable single-packaged		Color Code
	Aggressive Cutter	28205 ABS	Diameter 3.5 mm	28205 AB	Diameter 3.5 mm	green
		28205 ACS	Diameter 4.2 mm	28205 AC	Diameter 4.2 mm	
		28205 ADS	Diameter 5.5 mm	28205 AD	Diameter 5.5 mm	
	Aggressive Cutter	28205 AKS	Diameter 4.5 mm	28205 AK	Diameter 4.5 mm	green
	End Cutter	28205 BCS	Diameter 4.2 mm	28205 BC	Diameter 4.2 mm	red
	Full Radius Resector	28205 CBS	Diameter 3.5 mm	–	–	yellow
		28205 CCS	Diameter 4.2 mm	28205 CC	Diameter 4.2 mm	
		28205 CDS	Diameter 5.5 mm	–	–	
	Full Radius Resector	28205 CKS	Diameter 4.5 mm	28205 CK	Diameter 4.5 mm	yellow





# Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB,  
for cutting and grinding

Working length 120 mm (recommended for soft tissue)

Type		For single use package of 6 		Reusable single-packaged		Color Code
	Aggressive Full Radius Resector	28205 DBS	Diameter 3.5 mm	28205 DB	Diameter 3.5 mm	blue
		28205 DCS	Diameter 4.2 mm	28205 DC	Diameter 4.2 mm	
		28205 DDS	Diameter 5.5 mm	28205 DD	Diameter 5.5 mm	
	Aggressive Full Radius Resector	28205 DKS	Diameter 4.5 mm	28205 DK	Diameter 4.5 mm	blue
	Curved Full Radius Resector	28205 EGS	Diameter 4.2 mm	–	–	light blue
	Curved Aggressive Full Radius Resector	28205 EHS	Diameter 4.2 mm	–	–	light green

Working length 120 mm (recommended for soft tissue and bone)

	Pro Line Shaver Blades	28205 MKS	Diameter 4.5 mm	28205 MK	Diameter 4.5 mm	pink
		28205 MDS	Diameter 5.5 mm	–	–	
	Aggressive Pro Line Shaver Blades	28205 NKS	Diameter 4.5 mm	28205 NK	Diameter 4.5 mm	light blue
		28205 NDS	Diameter 5.5 mm	–	–	

# Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB,  
for cutting and grinding

Working length 120 mm (recommended for bone)

Type		For single use package of 6 		Reusable single-packaged		Color Code
	Round Burr	28205 FCS	Diameter 4.2 mm	28205 FC	Diameter 4.2 mm	orange
		28205 FDS	Diameter 5.5 mm	-	-	
	Finish Barrel Burr	28205 GDS	Diameter 4.2 mm	-	-	purple
		28205 GES	Diameter 5.5 mm	28205 GE	Diameter 5.5 mm	
	Aggressive Barrel Burr	28205 HCS	Diameter 4.2 mm	28205 HC	Diameter 4.2 mm	pink
		28205 HDS	Diameter 5.5 mm	28205 HD	Diameter 5.5 mm	
		28205 HES	Diameter 6.5 mm	28205 HE	Diameter 6.5 mm	

# Shaver Blades

for use with UNIDRIVE® S III ARTHRO SCB and POWERSHAVER SL SCB,  
for cutting and grinding for small joints

Working length 70 mm (recommended for soft tissue)

Type		For single use package of 6 		Reusable single-packaged		Color Code
	Aggressive Cutter	28206 AAS	Diameter 2.5 mm	-	-	green
		28206 ABS	Diameter 3.5 mm	-	-	
	Full Radius Resector	28206 CAS	Diameter 2.5 mm	-	-	yellow
		28206 CBS	Diameter 3.5 mm	-	-	
	Aggressive Full Radius Resector	28206 DAS	Diameter 2.5 mm	28206 DA	Diameter 2.5 mm	blue
		28206 DBS	Diameter 3.5 mm	28206 DB	Diameter 3.5 mm	

Working length 70 mm (recommended for bone)

	Small Joint Burr	28206 FAS	Diameter 2.5 mm	-	-	orange
		28206 FBS	Diameter 3.5 mm	-	-	





■ **HIGH FREQUENCY SURGERY UNITS**

*NEW* **AUTOCON® III VET**

# AUTOCON® III VET <sup>NEW</sup>

High Frequency Surgery Unit

**STORZ**  
KARL STORZ — ENDOSKOPE

The AUTOCON® III VET is a versatile electrosurgical unit that can be used in bipolar or monopolar mode for a variety of surgical procedures.

The new BIVASCULARSAFE setting delivers permanent sealing of vessels up to 7 mm in diameter.

The AUTOCON® III VET is the ideal solution for precise coagulation, cutting and fusion of tissues in endoscopic as well as open surgical procedures.

The AUTOCON® III VET is a multidisciplinary high frequency unit that can be used in a wide variety of veterinary applications, including:

- Laparoscopic transection of ovarian pedicle or other structures
- Endoscopic transluminal mass resection
- Coagulation of bleeding vessels
- Arthroscopic contouring, cutting, hemostasis and capsular shrinkage
- Celioscopic gonadectomy in birds and reptiles
- Theloresectomy in dairy cattle
- Laryngeal surgery in horses
- Polypectomy
- Cutaneous mass removal

## Features:

- **New BIVASCULARSAFE Mode for coagulation, cutting and tissue fusion**
- **Audible signal indicates tissue is sealed**
- **Preprogrammed Unipolar and Bipolar settings**
- **Custom procedure settings can be created and stored**
- **High Definition 9" color touch screen**
- **Intuitive, user friendly control**
- **Precise power settings enable optimal energy delivery**





UH 301E **AUTOCON® III VET, BIVASCULAR**, power supply 220 – 240 VAC, 50/60 Hz including:

**Mains Cord**

**HF connecting sockets unipolar:**

3-pin US type  
5 mm connector KARL STORZ/Erbe VIO

**HF connecting sockets bipolar:**

2-pin US type (28.58 mm)  
2x KARL STORZ/Erbe VIO

**Connecting socket:**

Neutral Electrode 2-pol

Can be integrated into OR1™ with KARL STORZ OR1™ SCB control WU 300.  
System requirements: SCB-R-UI Software Release 20090001-46 or higher.

UH 301U **Same**, power supply 100 – 127 VAC, 50/60 Hz, including:

**Mains Cord**, US version

**Specifications:**

Max. power	unipolar: 400 Watt (at 100 Ohm) bipolar: 200 Watt (at 75 Ohm)	Output frequency	350 kHz/1 MHz
Power supply	220 – 240 VAC, 50/60 Hz (UH 301E) 100 – 127 VAC, 50/60 Hz (UH 301U)	Dimensions w x h x d	447 x 177 x 457 mm
Weight	11.8 kg	Certified to	IEC 60601-1
Sockets	unipolar: 1 bipolar: 1 (can be expanded to 2)		

**Optional Accessories for AUTOCON® III VET** see page U 45  
**Components/Spare Parts** see chapter 9

# AUTOCON® III VET <sup>NEW</sup>

High Frequency Surgery Unit,  
System Components

**STORZ**  
KARL STORZ — ENDOSKOPE

One-Pedal HF Footswitch



UF 901

Two-Pedal HF Footswitch



UF 902

UNIT SIDE  
PATIENT SIDE



Connecting Cable



27806 UR

Neutral Electrode



27805

Unipolar High Frequency Cord



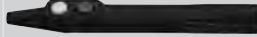
26005 M

High Frequency Cord



26 5200 45

Electrode Handle



26 5200 43

Electrode Handle with Cable



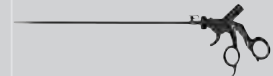
26 5200 46

Bipolar High Frequency Cord



26176 LE

ROBI PLUS® 2



66451 DN

CLICK'line Dissecting and Grasping Forceps



66421 MD

Knife Electrode



26 5200 36

Knife Electrode



26 5200 36

HIGH FREQUENCY  
SURGERY UNITS

10-15



# Optional Accessories

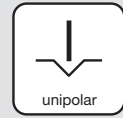
for AUTOCON® III VET

for use with AUTOCON® III VET

	UF 901	<b>One-Pedal HF Footswitch</b> , with button for switchover function, for use with HF generators	
	UF 902	<b>Two-Pedal HF Footswitch</b> , with button for switchover function, for use with HF generators	
	27805	<b>Neutral Electrode</b> , made of conductive silicone, with 2 rubber ties for fastening, contact surface A= 500 cm <sup>2</sup> , for use with AUTOCON® series (200, 350), AUTOCON® II 400 series (111, 115) with Connecting Cable 27806 as well as AUTOCON® III 400 and AUTOCON® III 300 with Connecting Cable 27806 UR	
	27806 UR	<b>Neutral Electrode Connecting Cable</b> , for use with Neutral Electrode 27805	
	27806 US	<b>Neutral Electrode Connecting Cable</b> , for use with Neutral Electrode 27802	
	27802	<b>Neutral Electrode</b> , contact surface divided into two, A=169 cm <sup>2</sup> , for single use, package of 50, for use with AUTOCON® 50/200/350, AUTOCON® II 400 all versions, AUTOCON® III 400 and AUTOCON® III 300, Connecting Cable 27806 US required	
	26 5200 43	<b>Electrode Handle</b> , with 2 buttons for activating the unipolar generator, yellow button: unipolar cutting, blue button: unipolar coagulation, Connecting Cable 26 5200 45	
	26 5200 45	<b>High Frequency Cable</b> , for Electrode Handle 26 5200 43, length 400 cm	
	26 5200 46	<b>Electrode Handle</b> , without buttons, with integrated connecting cable, length 300 cm	

# Surgery Electrodes Set

Accessories



20 5300 08

## Surgery Electrodes Set

including:

**Container with Lid and Sterilizing Insert,**  
for 16 electrodes with diameter 4 mm



**Wire Snare, 5 mm**



**Same, 10 mm**



**Ribbon Snare, 10 mm**



**KIRSCHNER Spatula Electrode,**  
straight



**MAGENAU Knife Electrode,**  
angled



**Knife Electrode, lancet-shaped**



**Ball Electrode, 2 mm**



**Same, 4 mm**



**Same, 6 mm**



**Needle Electrode**



**Flat Electrode, 8 x 10 mm**

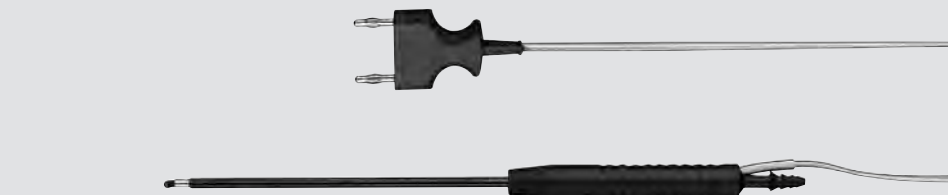


**Same, 10 x 15 mm**

For use with Electrode Handles 26 5200 43 and 26 5200 46  
Components/Spare Parts see chapter 9

# Instruments for Arthroscopy <sup>NEW</sup>

Electrodes for use with AUTOCON® III VET



28802 HG

**Handle for Vaporization Electrodes**, reusable, for use with AUTOCON® III 300 and Vaporization Electrodes 010151-10, 010152-10, 010153-10, 010154-10, 010155-10 - 010156-10, 10157-10, 010158-10



28802 HS

**Handle for Vaporization Electrodes**, small, reusable, for use with AUTOCON® III 300 and Vaporization Electrodes 010151-10, 010152-10, 010153-10, 010154-10, 010155-10, 010156-10, 010157-10, 010158-10

Electrodes, sterile, for single use, package of 10, for use with Handle 28802 HG/28802 HS



## Sheath diameter 3.3 mm



010153-10\*

**Hook Electrode**, delicate, curved 90°, length 150 mm

## Sheath diameter 4 mm



010152-10\*

**Vaporization Electrode**, without suction, curved 70°, length 150 mm



010154-10\*

**Hook Electrode**, curved 90°, length 150 mm

## Sheath diameter 5 mm



010151-10\*

**Vaporization Electrode**, with suction, curved 90°, length 150 mm



010155-10\*

**Vaporization Electrode**, with suction, curved 45°, length 150 mm



010156-10\*

**Vaporization Electrode**, with suction, curved 45°, length 150 mm



010157-10\*

**Vaporization Electrode**, without suction, curved 90°, length 150 mm



010158-10\*

**Vaporization Electrode**, with suction, curved 45°, length 180 mm

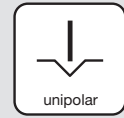
02-20



# Accessories

## Unipolar and Bipolar High Frequency Cords

### Unipolar High Frequency Cords








KARL STORZ High Frequency  
Instrument Surgery Unit

	26002 M	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with AUTOCON® III VET, KARL STORZ, Erbe type T older models and Ellman
	26004 M	<b>Unipolar High Frequency Cord</b> , with 4 mm plug, length 300 cm, for use with Martin HF units
	26005 M	<b>Unipolar High Frequency Cord</b> , with 5 mm plug, length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (111, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® system (50, 200, 350), AUTOCON® III VET, Erbe type ICC and und Erbe VIO 300
	26006 M	<b>Unipolar High Frequency Cord</b> , with 8 mm plug, length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (112, 116), AUTOCON® III VET and Valleylab models

### Bipolar High Frequency Cords



KARL STORZ High Frequency  
Instrument Surgery Unit

	26176 LE	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (111, 113, 115, 122, 125), AUTOCON® II 200, AUTOCON® II 80, Coagulator 26021 B/C/D, 860021 B/C/D, 27810 B/C/D, 28810 B/C/D, AUTOCON® series (50, 200, 350), AUTOCON® III VET, Erbe-Coagulator, T and ICC series
	62176 L	<b>Bipolar High Frequency Cord</b> , length 300 cm, with 2x 4 mm banana plug, for use with KARL STORZ Coagulator 26020 XA/XB and Ellman
	26176 LM	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with Martin HF units
	26176 LV	<b>Bipolar High Frequency Cord</b> , length 300 cm, for use with AUTOCON® III 300, AUTOCON® III 400, AUTOCON® II 400 SCB system (112, 114, 116, 122, 125), AUTOCON® II 200, AUTOCON® II 80, AUTOCON® III VET and Valleylab coagulators, for use with high frequency surgical units with bipolar sockets with 28.58 mm pin distance
	26176 LW	<b>Bipolar High Frequency Cord</b> , length 300 cm, pin distance on unit side 22 mm, for use with high frequency surgical units with bipolar sockets with 22 mm pin distance

**Please note:**

All high frequency cords on this page are delivered with a length of **300 cm**. If a length of **500 cm** is required, please add the letter **L**, i.e. 26002 **ML**, 26176 **LVL** to the order number.

# Compatibility

High Frequency Cords to AUTOCON® III VET HF Electrosurgical Units

**AUTOCON® III VET**

UH 301E  
UH 301U

## Unipolar High Frequency Cords

27806 UR	●
27806 US	●
<b>26 5200 45</b>	●
<b>26 5200 46</b>	●
26002 M	●
26005 M	●
26006 M	●

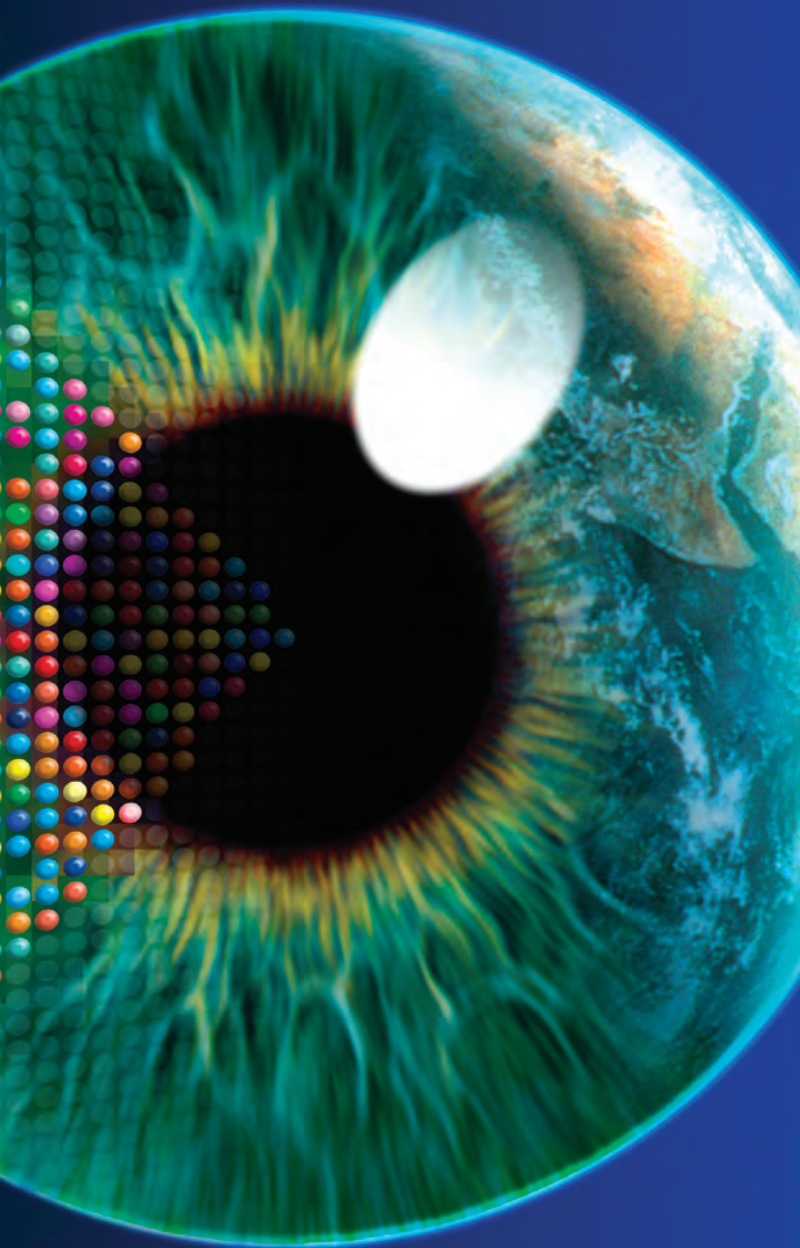
## Bipolar High Frequency Cords

26176 LE	●
26176 LV	●



**EXTRACT FROM  
TELEPRESENCE**

**IMAGING SYSTEMS –  
DOCUMENTATION –  
ILLUMINATION –  
EQUIPMENT CARTS**







# IMAGE1 S™ CAMERA PLATFORM

INTRODUCTION ..... TP 2-TP 4

OVERVIEW ..... TP 5

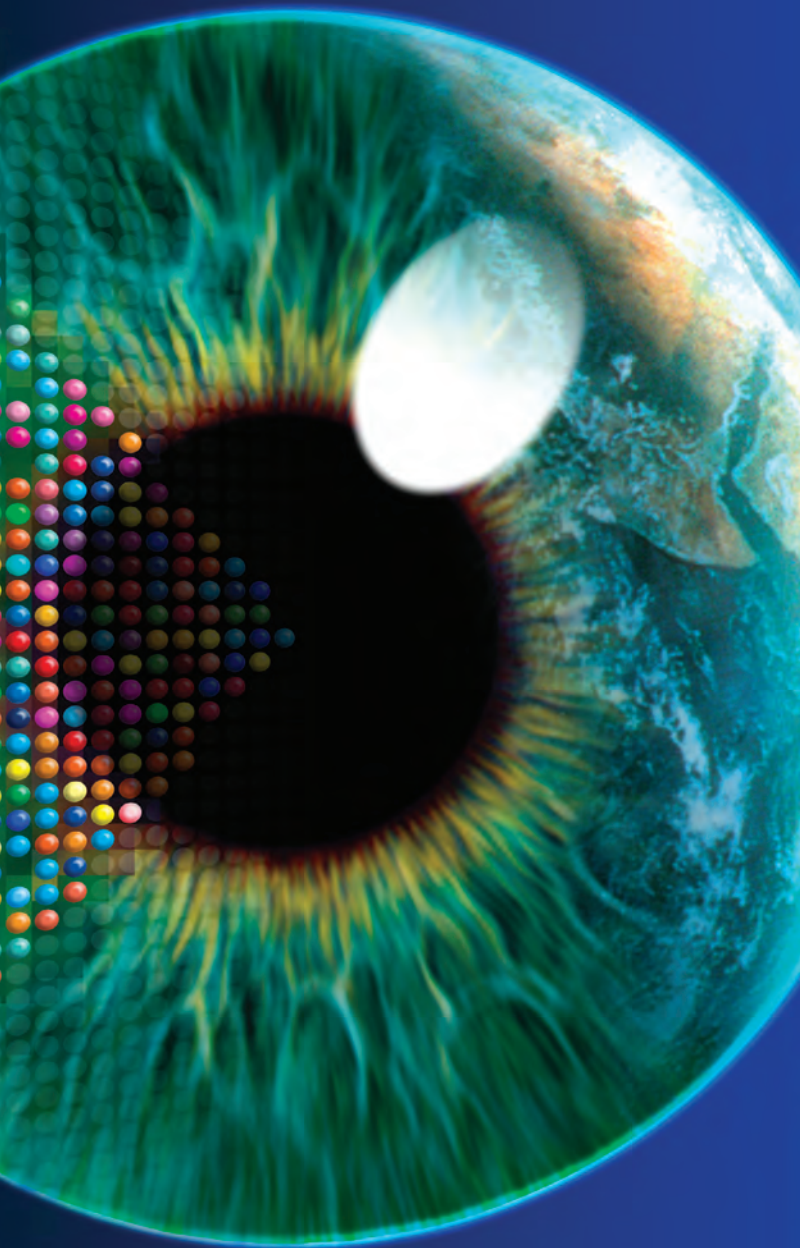
IMAGE1 S CONNECT® ..... TP 6-TP 7

LINK MODULES ..... TP 8-TP 9

CAMERA HEADS ..... TP 10-TP 16

3D CAMERA SYSTEMS ..... TP 17-TP 20

ACCESSORIES ..... TP 21-TP 24



# IMAGE1 S™

As individual as your requirements

The IMAGE1 S™ camera platform offers surgeons a single system for all applications. As a modular camera platform, IMAGE1 S™ combines various technologies (e.g., rigid, flexible and 3D endoscopy as well as 4K technology) in one system and can therefore be adapted to individual customer needs. Furthermore, near infrared (NIR/ICG) for fluorescence imaging, the integration of operating microscopes and the use of VITOM® 3D is possible via the camera platform.

- Clear and crisp images with natural color rendition
- Individual modules can be selected according to user requirements, e.g., for rigid, flexible and 3D endoscopy as well as 4K technology
- Three innovative visualization technologies for easy tissue differentiation: CLARA, CHROMA and SPECTRA – also in 3D
- Automatic light source control
- Multiple source management: Allows simultaneous control, display and documentation of image data from two connected images sources (e.g., for hybrid surgical procedures)

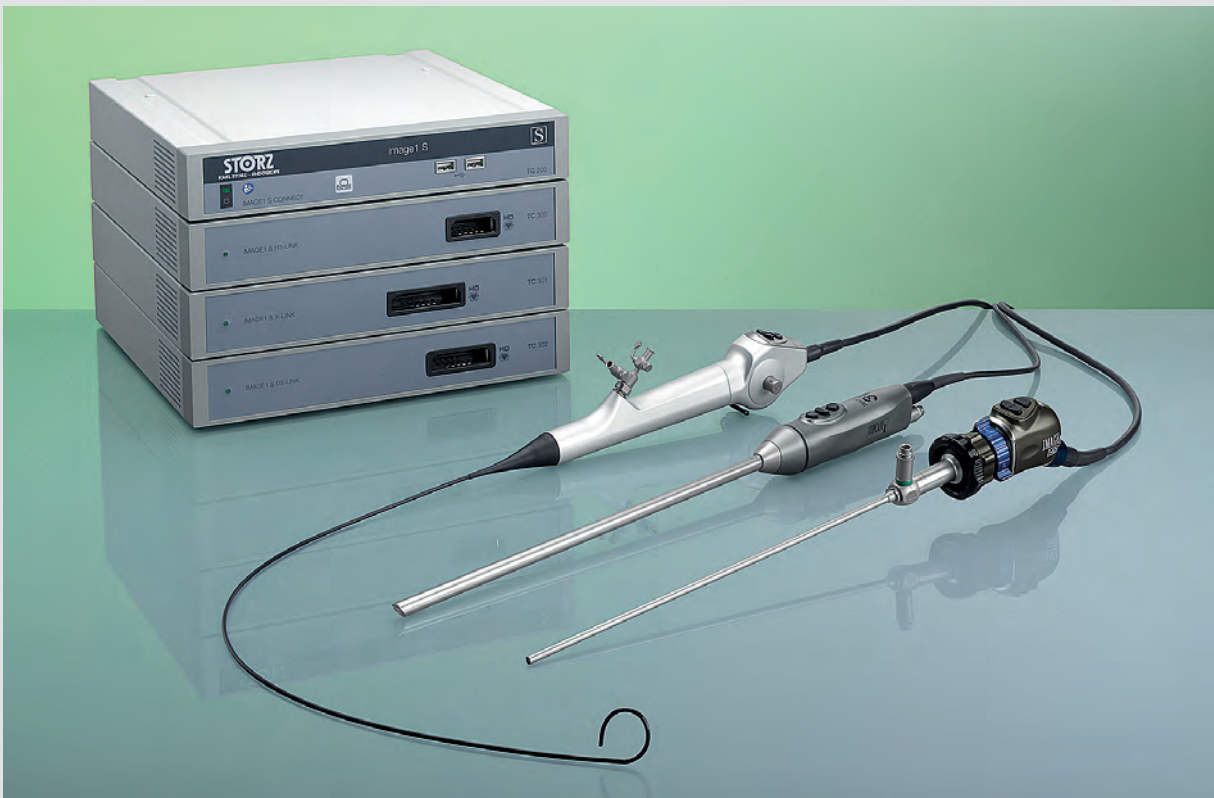
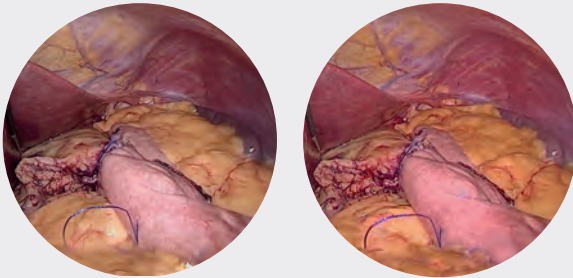


IMAGE1 S™ – a single system for all applications: Rigid, flexible 3D endoscopy and fluorescence imaging

### Innovative Visualization Modes

- CLARA: Homogeneous illumination
- CHROMA: Contrast enhancement
- SPECTRA: Color shift and exchange

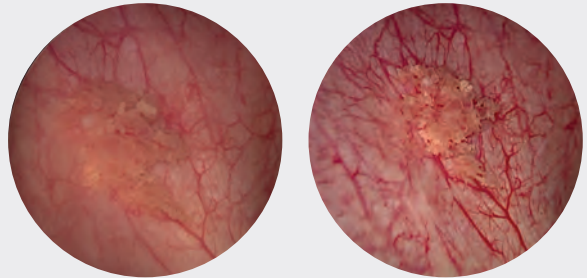
#### CLARA: Homogeneous image illumination



Standard image

CLARA

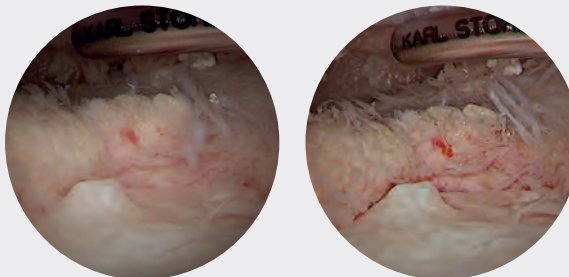
#### CHROMA: Contrast enhancement



Standard image

CHROMA

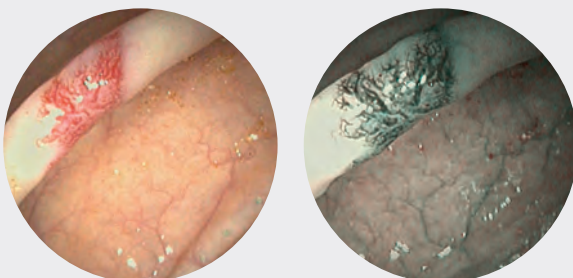
#### CLARA + CHROMA: Homogeneous image illumination + contrast enhancement



Standard image

CLARA + CHROMA

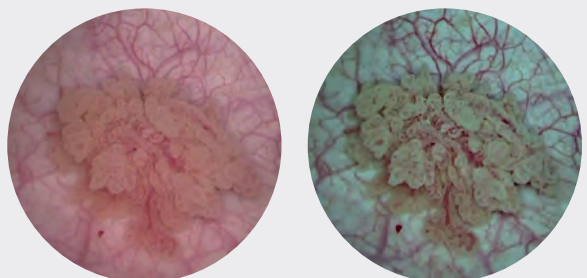
#### SPECTRA A: Spectral color shift and switch (filtering of reds)



Standard image

SPECTRA A

#### SPECTRA B: Spectral color shift (intensification of greens and blues)



Standard image

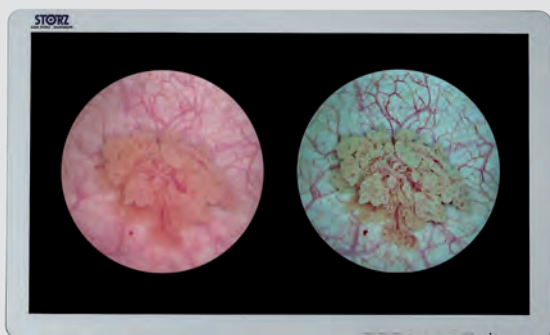
SPECTRA B

# IMAGE1 S™

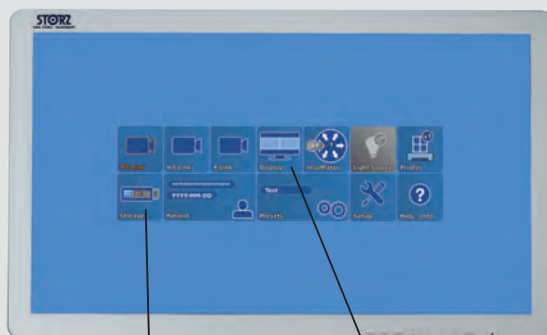
As individual as your requirements

## Innovative Design

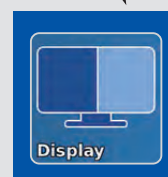
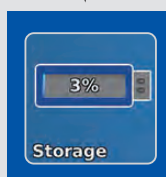
- Side-by-side view: Parallel display of standard images and S-Technologies possible
- Multiple source management: Allows simultaneous control, display and documentation of image data from two connected image sources (e.g., for hybrid surgical procedures)
- Intuitive menu navigation (dashboard, live and setup menu)
- Icons show changes to settings or change of status
- Individual presets possible
- 50 patient datasets can be stored



Side-by-side view: Parallel display of a standard image and SPECTRA A

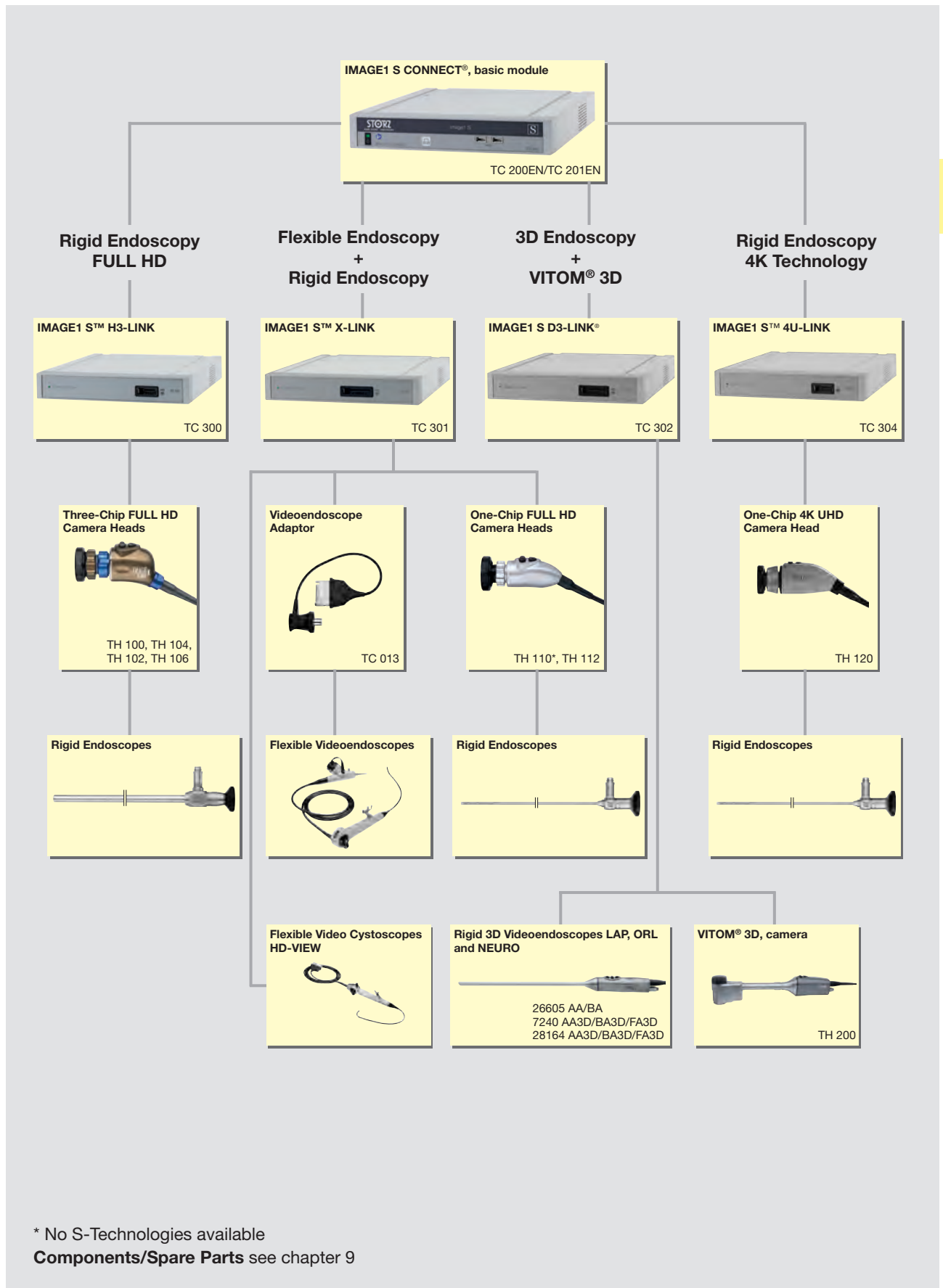


Dashboard



# IMAGE1 S™

Overview



\* No S-Technologies available  
**Components/Spare Parts** see chapter 9

**Basic Module**

TC 200EN\*  
 TC 201EN\*



	TC 200EN* <b>IMAGE1 S CONNECT®</b> , basic module	TC 201EN* <b>IMAGE1 S CONNECT® II</b> , 4K technology, basic module
	for use with up to 3 link modules, with integrated KARL STORZ-SCB and digital Image Processing Module	for use with up to 3 link modules, with integrated KARL STORZ-SCB and digital Image Processing Module
<b>including:</b>	<b>Mains Cord</b> , length 300 cm <b>DVI-D Connecting Cable</b> , length 300 cm <b>SCB Connecting Cable</b> , length 100 cm <b>USB Flash Drive</b> , 32 GB <b>USB Silicone Keyboard</b> , with touchpad, US	<b>Mains Cord</b> , length 300 cm <b>DVI-D Connecting Cable</b> , length 300 cm <b>DisplayPort Cable</b> , length 300 cm <b>3G-SDI Cable</b> , length 300 cm <b>SCB Connecting Cable</b> , length 100 cm <b>USB Flash Drive</b> , 32 GB <b>USB Silicone Keyboard</b> , with touchpad, US

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

**Specifications** see page TP 7

**Components/Spare Parts** see chapter 9

**Specifications:**

	TC 200EN*	TC 201EN*
<b>Interfaces</b>		
Video outputs	2x DVI-D, 1x 3G-SDI	2x Display Port 1.2, 1x 12G/3G-SDI, 1x DVI-D
Signal output format	1920 x 1080 pixels	3840 x 2160 pixels
Link inputs	3x	
Remote outputs	optional with TC 009	
USB interface	4x USB (2x front, 2x rear)	
Unit communication	SCB 2x 6-pin mini-DIN	SCB 1x 6-pin mini-DIN
<b>Image Documentation</b>		
Image format	JPEG	
Resolution	1920 x 1080 pixels	3840 x 2160 pixels
<b>Video Documentation</b>		
Video format	MPEG 4	
Resolution	1920 x 1080 pixels	
<b>Further Properties</b>		
Fluorescence imaging	imaging with near infrared light using indocyanine green (ICG) Photodynamic Diagnosis (PDD)	
Unit properties	automatic light source control, S-Technologies	
Power consumption	62 VA	100 – 135 VA
Power frequency	50/60 Hz	
Power supply	100 – 120 VAC, 200 – 240 VAC	100 – 240 VAC
Dimensions w x h x d	305 x 54 x 320 mm	
Weight	2.1 kg	3.1 kg
Cleaning	wipe disinfection	
Degree of ingress protection	IPX0	
Protection class	1	
Degree of protection	CF-Defib	

**Documentation Systems** see pages TP 73-TP 83

# IMAGE1 S™

LINK Modules – freely selectable

**IMAGE1 S**

Module for rigid endoscopy, 4K technology TC 304

Module for 3D endoscopy and VITOM® 3D TC 302

Module for flexible and rigid endoscopy TC 301

Module for rigid endoscopy, FULL HD TC 300



TC 304



TC 302



TC 301



TC 300



	TC 300 <b>IMAGE1 S™ H3-LINK</b> , module for rigid endoscopy, FULL HD	TC 301 <b>IMAGE1 S™ X-LINK</b> , module for flexible and rigid endoscopy	TC 302 <b>IMAGE1 S D3-LINK®</b> , module for 3D endoscopy and VITOM® 3D	TC 304 <b>IMAGE1 S™ 4U-LINK</b> , module for rigid endoscopy, 4K technology
<b>including:</b>	<b>Mains Cord</b> , length 300 cm <b>Link Cable</b> , length 20 cm			
<b>for use with:</b>	<ul style="list-style-type: none"> <li>● <b>IMAGE1 S CONNECT®</b>, basic module</li> <li>● <b>IMAGE1 S CONNECT® II</b>, 4K technology, basic module</li> </ul>			

## For use with:

TC 304 <b>IMAGE1 S™ 4U-LINK</b> , module for rigid endoscopy, 4K technology		<b>4K Camera Heads</b>	<b>IMAGE1 S™ 4U One-Chip 4K UHD Camera Head</b> TH 120
		<b>Rigid Endoscopes</b>	
TC 302 <b>IMAGE1 S D3-LINK®</b> , module for 3D endoscopy and VITOM® 3D		<b>10 mm Videoendoscope</b>	<b>TIPCAM®1 S 3D LAP</b> 26605 AA/BA
		<b>4 mm Videoendoscope</b>	<b>TIPCAM®1 S 3D ORL</b> 7240 AA3D/BA3D/FA3D <b>TIPCAM®1 S 3D NEURO</b> 28164 AA3D/BA3D/FA3D
		<b>VITOM® 3D</b> , camera head	<b>VITOM® 3D</b> TH 200



# IMAGE1 S™

LINK Modules – freely selectable

TC 301 <b>IMAGE1 S™ X-LINK</b> , module for flexible and rigid endoscopy		<b>One-Chip Camera Heads</b>	TH 112, TH 110*
		<b>Rigid Endoscopes</b>	
TC 300 <b>IMAGE1 S™ H3-LINK</b> , module for rigid endoscopy, FULL HD		<b>Flexible Videoendoscopes</b>	<b>Compatible Videoendoscopes</b>
		<b>Videoendoscope Adaptors</b>	TC 013
TC 300 <b>IMAGE1 S™ H3-LINK</b> , module for rigid endoscopy, FULL HD		<b>Three-Chip FULL HD Camera Heads</b>	TH 106, TH 104, TH 102, TH 100
		<b>Rigid Endoscopes</b>	

\* No S-Technologies available

## Specifications:

	TC 300, TC 301, TC 302	TC 304
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## Interfaces

LINK outputs	1x
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## Further Properties

Power consumption	62 VA	86 VA
Power frequency	50/60 Hz	
Power supply	100 – 120 VAC, 200 – 240 VAC	100 – 240 VAC
Dimensions w x h x d	305 x 54 x 320 mm	
Weight	1.86 kg	
Cleaning	wipe disinfection	
Degree of ingress protection	IPX0	
Protection class	1	
Degree of protection	CF-Defib	

**3D Accessories** see pages TP 23-TP 24

**Components/Spare Parts** see chapter 9

# IMAGE1 S™

Three-Chip FULL HD Camera Heads

CLARA

CHROMA

SPECTRA



TH 100  
**IMAGE1 S™ H3-Z Three-Chip  
FULL HD Camera Head**

**For use with:**

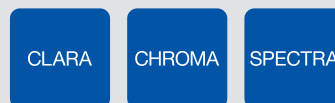
- **IMAGE1 S™ H3-LINK**, module for rigid endoscopy

## Specifications

Frame rate	50/60 Hz
Image sensor	3-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Lens	Parfocal Zoom Lens
Focal length	f = 15 – 31 mm (2x)
Dimensions w x h x l	39 x 49 x 114 mm
Weight	270 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
S-Technologies	CLARA, CHROMA, SPECTRA
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

# IMAGE1 S™

Three-Chip FULL HD Camera Heads



  autoclavable, with titanium housing

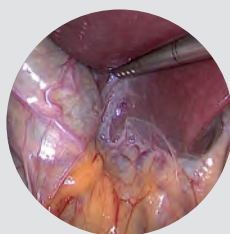
	TH 104 <b>IMAGE1 S™ H3-ZA</b> Three-Chip FULL HD Camera Head
<b>For use with:</b>	● <b>IMAGE1 S™ H3-LINK</b> , module for rigid endoscopy

## Specifications:

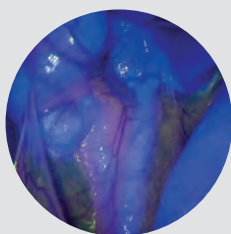
Frame rate	50/60 Hz
Image sensor	3-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Lens	Parfocal Zoom Lens
Focal length	f = 15 – 31 mm (2x)
Dimensions w x h x l	39 x 49 x 100 mm
Weight	299 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	<b>autoclavable</b> , soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
S-Technologies	CLARA, CHROMA, SPECTRA
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

# IMAGE1 S™

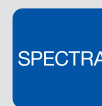
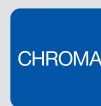
Three-Chip FULL HD Camera Heads with OPAL1® Technology



*Sigma resection with standard imaging*



*Sigma resection with ICG standard mode*



**For identification of anatomical structures and perfusion diagnosis of tissues and organs with indocyanine green (ICG)**

TH 102  
**IMAGE1 S™ H3-Z FI**  
Three-Chip FULL HD Camera Head

**For use with:**

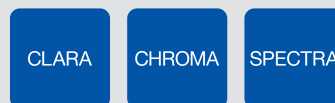
- **IMAGE1 S™ H3-LINK**, module for rigid endoscopy
- **D-LIGHT P Light Source**

**Specifications:**

Frame rate	50/60 Hz
Image sensor	3-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Lens	Parfocal Zoom Lens
Focal length	f = 15 – 31 mm (2x)
Dimensions w x h x l	39 x 49 x 114 mm
Weight	246 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
S-Technologies	CLARA, CHROMA, SPECTRA
Molecular imaging	<b>imaging in near infra red with indocyanine green (ICG)</b>
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

# IMAGE1 S™

Three-Chip FULL HD C-MOUNT Camera Head for Microscopy



With C-MOUNT thread for coupling to microscopes

	TH 106 <b>IMAGE1 S™ H3-M COVIEW®</b> Three-Chip FULL HD C-MOUNT Camera Head
<b>For use with:</b>	● <b>IMAGE1 S™ H3-LINK</b> , module for rigid endoscopy

## Specifications:

Frame rate	50/60 Hz
Image sensor	3-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Dimensions w x h x l	45 x 50 x 60 mm
Weight	240 g
Cable length	900 cm, detachable
Cable routing	straight
Camera head buttons	freely programmable
Grip mechanism	C-MOUNT connection
Reprocessing	wipe disinfection
S-Technologies	CLARA, CHROMA, SPECTRA
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

# IMAGE1 S™ HX

One-Chip FULL HD Camera Heads



TH 110  
**IMAGE1 S™ HX\***  
One-Chip FULL HD Camera Head

**For use with:** ● **IMAGE1 S™ X-LINK**, module for one-chip camera heads and flexible endoscopy

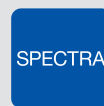
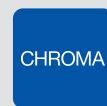
## Specifications:

Frame rate	50/60 Hz
Image sensor	1-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Lens	fixed focus
Focal length	f = 16
Dimensions w x h x l	35 x 36 x 100 mm
Weight	130 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

\* No S-Technologies available

# IMAGE1 S™ HX

One-Chip FULL HD Camera Heads with OPAL1® Technology



TH 112  
**IMAGE1 S™ HX FI**  
One-Chip FULL HD Camera Head

**For use with:**

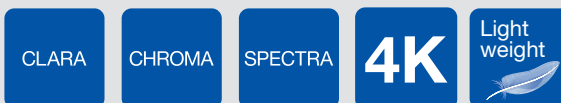
- **IMAGE1 S™ X-LINK**, module for one-chip camera heads and flexible endoscopy

## Specifications:

Frame rate	50/60 Hz
Image sensor	1-chip
Resolution	1920 x 1080 pixels
Scanning method	progressive scan
Lens	fixed focus
Focal length	f = 16
Dimensions w x h x l	35 x 36 x 100 mm
Weight	130 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
S-Technologies	CHROMA, SPECTRA
Molecular Imaging	<b>Photodynamic Diagnosis (PDD), Autofluorescence</b>
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

# IMAGE1 S™ 4U

One-Chip 4K UHD Camera Head



	TH 120 <b>IMAGE1 S™ 4U</b> One-Chip 4K UHD Camera Head
<b>For use with:</b>	● <b>IMAGE1 S™ 4U-LINK</b> , module for 4K endoscopy

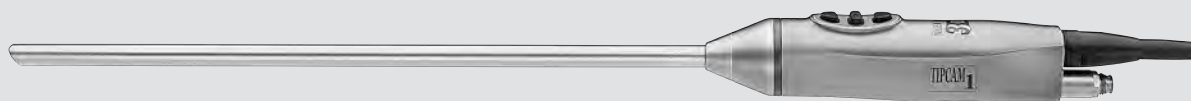
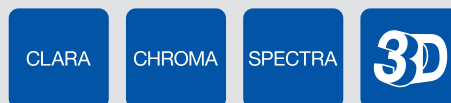
## Specifications:

Frame rate	50/60 Hz
Image sensor	1-chip
Resolution	3840 × 2160 pixels
Scanning method	progressive scan
Lens	fixed focus
Focal length	f = 18 mm
Dimensions w x h x l	46 x 37 x 133 mm
Weight	210 g
Cable length	300 cm
Cable routing	angled
Camera head buttons	freely programmable
Grip mechanism	standard eyepiece adaptor
Reprocessing	soakable, EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
S-Technologies	CLARA, CHROMA, SPECTRA
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

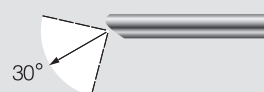
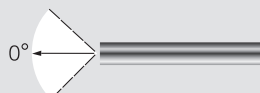


# IMAGE1 S™ 3D

3D Videoendoscopes



10 mm Videoendoscope



	26605 AA <b>TIPCAM®1 S 3D LAP</b>	26605 BA <b>TIPCAM®1 S 3D LAP</b>
<b>For use with:</b>	● <b>IMAGE1 S D3-LINK®</b> , module for 3D endoscopy	

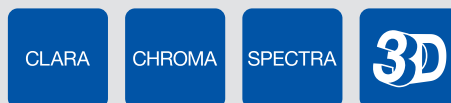
## Specifications:

Frame rate	50/60 Hz	
Image sensor	2-chip	
Resolution	1920 x 1080 pixels	
Scanning method	progressive scan	
Direction of view	<b>0°</b>	<b>30°</b>
Outer diameter	10 mm	
Working length	32 cm	32 cm
Weight	420 g	
Cable length	300 cm	
Cable routing	straight	
Camera head buttons	freely programmable	
Reprocessing	<b>autoclavable</b> , H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)	
S-Technologies	CLARA, CHROMA, SPECTRA in 2D and 3D	
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib	

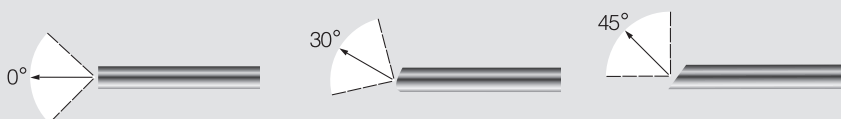
**Accessories for 3D Camera Platforms** see pages TP 21-TP 24

# IMAGE1 S™ 3D

3D Videoendoscopes



4 mm Videoendoscope



autoclavable

	7240 AA3D <b>TIPCAM®1 S 3D ORL</b>	7240 BA3D <b>TIPCAM®1 S 3D ORL</b>	7240 FA3D <b>TIPCAM®1 S 3D ORL</b>
	28164 AA3D* <b>TIPCAM®1 S 3D NEURO</b>	28164 BA3D* <b>TIPCAM®1 S 3D NEURO</b>	28164 FA3D* <b>TIPCAM®1 S 3D NEURO</b>

**For use with:** ● **IMAGE1 S D3-LINK®**, module for 3D endoscopy

## Specifications:

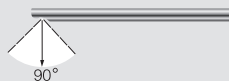
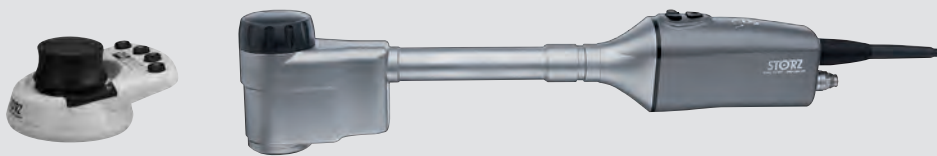
Frame rate	50/60 Hz		
Image sensor	2-chip		
Resolution	1920 x 1080 pixels		
Scanning method	progressive scan		
Direction of view	<b>0°</b>	<b>30°</b>	<b>45°</b>
Outer diameter	4 mm		
Working length	18 cm		
Weight	300 g		
Cable length	300 cm		
Cable routing	straight		
Camera head buttons	freely programmable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

**\*Note: Currently not available in CE markets.**

**Accessories for 3D Camera Platforms** see pages TP 21-TP 24

# VITOM® 3D

3D Visualization for Microsurgery and Open Surgery



	<p>TH 200 <b>VITOM® 3D</b></p>
	<p>with zoom and focus function, integrated illumination and horizontal alignment, working distance 20 – 50 cm, fiber optic light transmission incorporated, suitable for wipe disinfection</p>
<b>For use with:</b>	<ul style="list-style-type: none"> <li>● <b>IMAGE1 S D3-LINK®</b>, module for 3D endoscopy</li> <li>● <b>IMAGE1 PILOT</b>, input unit</li> </ul>
	<p>TC 014 <b>IMAGE1 PILOT</b></p>
	<p>control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units</p>
<b>For use with:</b>	<ul style="list-style-type: none"> <li>● <b>IMAGE1 S™</b></li> <li>● <b>VITOM® 3D TH 200</b></li> </ul>

**IMAGE1 PILOT is required for the use of VITOM® 3D.**

**VITOM® 3D and IMAGE1 PILOT are always used with a holding system.**

**Please note:** Special clamping jaws are available for mounting VITOM® 3D to the holding system.

**Holding Systems** see page TP 24

**Specifications:**

Frame rate	50/60 Hz
Image sensor	2-chip, 4K
Image display	3D, 2D
Scanning method	progressive scan
Zoom	infinitely variable
Working distance (WD)	<b>20 – 50 cm</b>
Magnification (WD 30 cm with 32" 3D monitor)	approx. 8 – 30 x
Cable length	500 cm
Cable routing	straight
Cleaning	wipe disinfection
Sterilization concept	single-use covers
Control concept	IMAGE1 PILOT for intuitive control of all relevant functions (zoom, focus, menu, navigation), 4 buttons for rapid access, 3D wheel
Camera head buttons	freely programmable
S-Technologies	CLARA, CHROMA, SPECTRA
Degree of protection	in conjunction with Camera Control Unit IMAGE1 S™: CF-Defib

## Accessories for IMAGE1 S CONNECT®



### USB Silicone Keyboard, with touchpad

Character sets:

<b>20 0402 40DE</b> German	<b>20 0402 40RU</b> Russian
<b>20 0402 40FR</b> French	<b>20 0402 40SE</b> Swedish
<b>20 0402 40IT</b> Italian	<b>20 0402 40US</b> English
<b>20 0402 40PT</b> Portuguese	<b>20 0402 40CH</b> German, French, Italian
<b>20 0402 40ES</b> Spanish	



TC 009

**USB Adaptor**, for ACC 1 and ACC 2, for use in conjunction with IMAGE1 S CONNECT® and AIDA® HD



TC 011

**Link Cable**, length 20 cm



TC 014

**IMAGE1 PILOT**, control unit with 3D wheel, 4 programmable function keys and USB port, for intuitive control of camera systems and connected units, for use with IMAGE1 S™ and VITOM® 3D TH 200



28272 HA

**Articulated Stand**, reinforced version, straight

28172 HR

**Rotation Socket**

## Accessories for IMAGE1 S™ X-LINK



TC 013

**IMAGE1 S™ Videoendoscope Adaptor 90°**, color systems PAL/NTSC, angled 90°, length 50 cm, for use with IMAGE1 S™ X-LINK TC 301

## Accessories for IMAGE1 S D3-LINK®



TM 003

**3D Polarization Glasses**, fogless, passive, for use with 3D monitors



9800 C

**3D Clip-on Glasses**, circularly polarized, for use with 3D monitors



TC 015

**Extension Cable IMAGE1 S D3-LINK®**, length 250 cm, to extend the video connecting cable between a video endoscope and IMAGE1 S D3-LINK® TC 302

## Accessories for IMAGE1 S™ Camera Heads

	<p>39301 HXTS <b>Plastic Container for Sterilization and Storage</b> of IMAGE1 HX and HX-P camera heads, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 395 x 260 x 70 mm</p>
	<p>39301 Z3TS <b>Plastic Container for Sterilization and Storage</b> of camera heads IMAGE1 S™ H3-Z, H3-ZA and H3-Z FI as well as IMAGE 1 H3-Z, H3-ZA, H3-FA and H3-Z FI, <b>autoclavable</b>, suitable for use with steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm</p>
	<p>39301 PHTS <b>Plastic Container for Sterilization and Storage</b> of camera heads IMAGE1 S™ H3-P and H3-ZI as well as IMAGE1 H3-P and H3-ZI, <b>autoclavable</b>, suitable for use with steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm</p>
	<p>22 2200 71 <b>H3-M S Camera Head Cable</b>, detachable, length 900 cm</p>

## Camera Covers, sterile, for single use



	<p>040112-40* <b>Camera Cover</b>, folded inside out, 13 x 242 cm, sterile, for single use, package of 40</p>
	<p>040113-50* <b>Camera Cover</b>, telescopic folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 50</p>
	<p>040114-15* <b>Camera Cover</b>, rolled, with plastic insertion aid, 17 x 242 cm, sterile, for single use, package of 15</p>
	<p>040115-40* <b>Camera Cover</b>, telescopic folding with cardboard insertion aid, 13 x 242 cm, sterile, for single use, package of 40</p>
	<p>040169-40* <b>Camera Cover</b>, with elastic telescope opening, telescope folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 40</p>
	<p>040170-25* <b>Camera Cover</b>, with elastic telescope opening, telescope folding with paper insertion aid, 18 x 242 cm, sterile, for single use, package of 25</p>
	<p>041171-40* <b>Camera Cover</b>, width at camera head 6 cm, length 309 cm, sterile, for single use, package of 40, for use with D1 camera head</p>



Further Products for Single Use see MTP SINGLE-USE PRODUCTS catalog

**Please note:** The instruments displayed in the plastic container are not included in delivery.

**Camera Covers, sterile, for single use**



	<p>TH 001* <b>Cover</b>, for VITOM® 3D, sterile, for single use, package of 10</p>
	<p>041150-20* <b>Cover</b>, with elasticated tip, 42 x 177 cm, sterile, for single use, package of 20, for use with KARL STORZ holding systems and IMAGE1 PILOT</p>

**Accessories for 3D Endoscopes and VITOM® 3D**



	<p>39501 XTC <b>Wire Tray for Cleaning, Sterilization and Storage</b> of TIPCAM®1 S 3D LAP Videoendoscopes 26605 AA/BA and one light cable, <b>autoclavable</b>, external dimensions (w x d x h): 640 x 150 x 87 mm</p> <p>39501 STC <b>Wire Tray for Cleaning, Sterilization and Storage</b> of TIPCAM®1 S 3D Videoendoscopes 7240 AA3D/BA3D/FA3D or 28164 AA3D/BA3D/FA3D and one light cable, <b>autoclavable</b>, external dimensions (w x d x h): 500 x 150 x 87 mm</p>
	<p>39502 ZH <b>Wire Tray, stackable</b>, with hole plates</p> <p>39502 LH <b>Lid</b></p> <p>39100 SH <b>Silicone Grid Insert</b> <b>LARGE DIAMOND GRID</b></p> <p>39100 PS <b>Fixation Pins</b>, package of 12</p> <p>39360 AS <b>Silicone Tie-Downs</b>, package of 12</p>
	<p>495 TIP <b>Fiber Optic Light Cable</b>, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 300 cm</p> <p>495 NCSC <b>Fiber Optic Light Cable</b>, with straight connector, extremely heat-resistant, enhanced light transmission, with safety lock, diameter 4.8 mm, length 250 cm</p> <p>495 VIT <b>Fiber Optic Light Cable</b>, with straight connector, extremely heat-resistant, enhanced light transmission, diameter 4.8 mm, length 550 cm</p>



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



69495 ND	<b>Fiber Optic Light Cable</b> , with straight connector, diameter 3.5 mm, length 300 cm
495 NAC	<b>Fiber Optic Light Cable</b> , with straight connector, extremely heat-resistant, with safety lock, enhanced light transmission, can be used for ICG applications, diameter 3.5 mm, length 230 cm

### Holding System for VITOM® 3D:

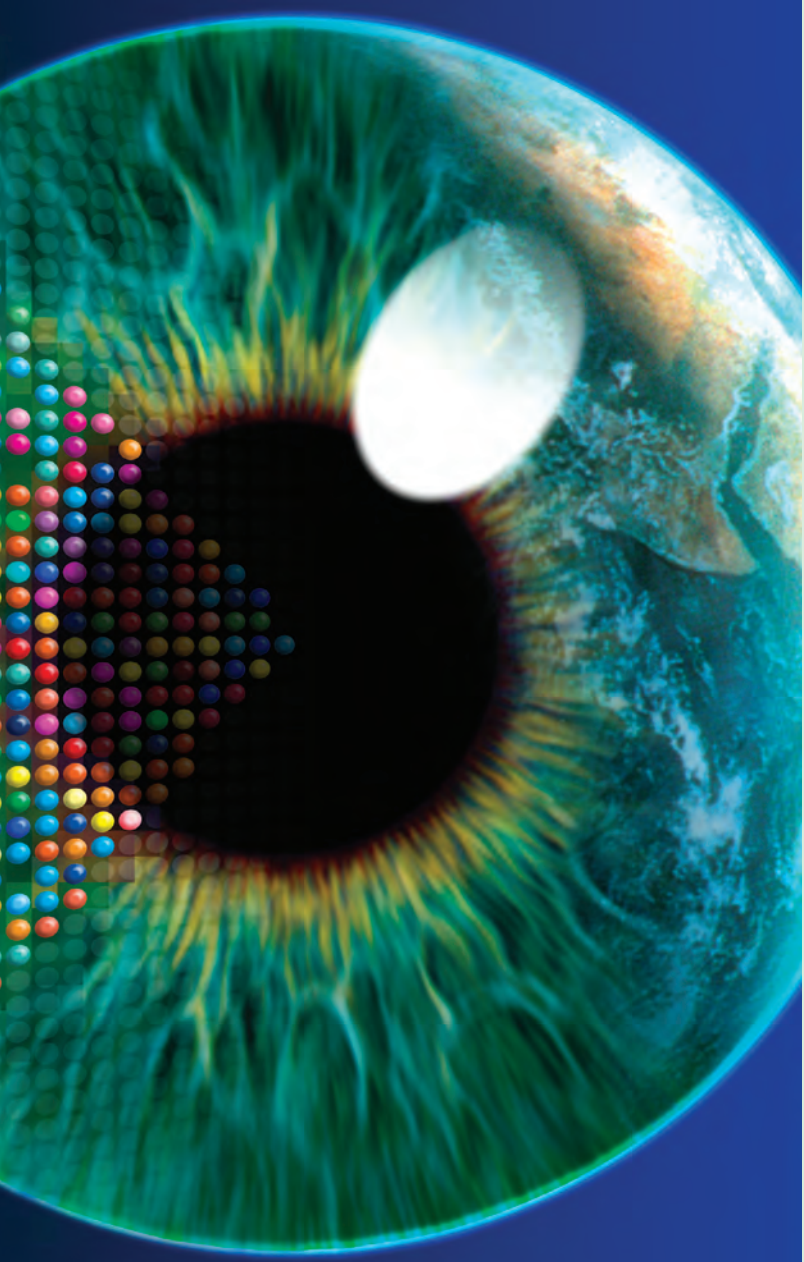


28272 HSP	<b>VERSACRANE™ Holding Arm</b> , high, mobile, spring-supported, with quick release coupling KSLOCK, for use with KARL STORZ clamping jaws. The VERSACRANE™ holding arm is intended for use with VITOM® scopes. including: <b>Mobile Stand</b> , with height adjustment
<b>WARNING:</b>	The VERSACRANE™ holding arm cannot be used with rigid endoscopes!
28272 VTK	<b>VITOM® 3D Clamping Jaw</b> , with ball joint and quick release coupling KSLOCK (male), for use with VITOM® 3D and KARL STORZ holding systems with quick release coupling KSLOCK

### Further Accessories

	TC 003	<b>DisplayPort Cable</b> , length 300 cm
	TC 008	<b>12G-SDI Cable</b> , length 10 m
	TC 017	<b>Same</b> , length 300 cm
	TC 005	<b>3G-SDI Cable</b> , length 10 m
	TC 007	<b>Same</b> , length 300 cm
	20 0400 86	<b>DVI-D Connecting Cable</b> , length 200 cm
	20 0400 89	<b>Same</b> , length 300 cm
	20 2210 70	<b>ACC Connecting Cable</b> , for controlling peripheral units from KARL STORZ, length 180 cm
	400 A	<b>Mains Cord</b> , length 300 cm
	20 0402 82	<b>USB Flash Drive</b> , 32 GB
	TC 010	<b>Two-Pedal Footswitch USB</b> , for use with IMAGE1 S CONNECT® TC 200EN





## TELE PACK VET X LED

TELE PACK VET X LED ..... TP 26-TP 27

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ACCESSORIES ..... TP 28-TP 29

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TELECAM CAMERA HEADS ..... TP 30

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ACCESSORIES ..... TP 31


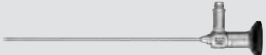

# TELE PACK VET X LED

Endoscopic video unit – compact all-in-one system



	RP100 S1 <b>TELE PACK VET X LED,</b> endoscopic video unit	RP100 S2 <b>TELE PACK VET X LED,</b> endoscopic video unit
	incl. LED light source similar to Xenon technology, with integrated digital Image Processing Module	
<b>including:</b>	<b>USB Flash Drive, 32 GB</b> <b>SD Card, 32 GB</b> <b>Mains Cord</b> <b>Mains Cord, US plug</b> <b>Case</b>	<b>USB Flash Drive, 32 GB</b> <b>SD Card, 32 GB</b> <b>Mains Cord</b> <b>Mains Cord, US plug</b>

**For use with:**

RP 100 <b>TELE PACK VET X LED</b>		<b>One-Chip Camera Heads</b>	<b>TELECAM</b> 20 2120 30/20 2121 30, 20 2120 34/20 2121 34, 20 2301 41/20 2000 42, 20 2000 43/20 2301 45
		<b>Rigid Endoscopes</b>	
		<b>Videoendoscopes</b>  <b>Video Connecting Cable</b>	<b>Compatible Videoendoscopes</b>  20 2130 70

\* Also available in the following languages: CH, DE, ES, FR, IT, PL, PT, RU, SE  
Components/Spare Parts see chapter 9

# TELE PACK VET X LED

Endoscopic video unit – compact all-in-one system



## Specifications:

	RP 100
<b>Interfaces</b>	
Video output	1x DVI-D
Video input	1x DVI-D
USB interfaces	6x
Ethernet interface	network connection
SD card slot	1x
Line-in	1x
Line-out	1x
Microphone input	1x
Service interface	1x
<b>Documentation Images</b>	
Image format	JPEG
<b>Documentation Videos</b>	
Video format	MPEG 4
<b>Further Properties</b>	
Integrated light source	LED
LED backlight screen	screen size: 15", resolution: 1024 x 768, contrast: 700:1
Loudspeaker consumption	2 W
Power consumption	100 W
Power frequency	50/60 Hz
Power supply	100 – 240 VAC
Dimensions w x h x d	450 x 350 x 150 mm
Weight	7 kg
Cleaning	wipe disinfection
Degree of ingress protection:	IPX0
Protection class	1
Degree of safety	BF











# TELE PACK VET X LED

Accessories

## Accessories included

	20 0402 82	<b>USB Flash Drive, 32 GB</b>
	TP 001	<b>SD Card, 32 GB, for use with all TELE PACK X and TELE PACK X LED models</b>

## Accessories not included

	<b>USB Silicone Keyboard, with touchpad</b> Character Sets: 20 0402 40DE German                      20 0402 40RU Russian 20 0402 40FR French                      20 0402 40SE Swedish 20 0402 40IT Italian                      20 0402 40US English 20 0402 40PT Portuguese              20 0402 40CH German, French, Italian 20 0402 40ES Spanish	
	549 M	<b>USB Color Printer, power supply 100 – 240 VAC, 50/60 Hz, including mains cord, for use with IMAGE1 S™, IMAGE1 ICM from software version 470206-328 BI and AIDA® compact NEO</b>
	20 0400 86 20 0400 89 20 0402 86	<b>DVI-D Connecting Cable, length 200 cm</b> <b>Same, length 300 cm</b> <b>Same, length 750 cm</b>
	TC 010	<b>Two-Pedal Footswitch USB, as of software version 6.1.1</b>
	20 0143 30	<b>Two-Pedal Footswitch, one-stage</b>
	20 2130 70	<b>Video Connecting Cable, for use between KARL STORZ videoendoscopes and TELECAM SL II, Veterinary Video Camera III or TELE PACK VET X, length 60 cm</b>
	9104250	<b>TELE PACK X Case, including foam part</b>
	20 0402 76 20 0400 76	<b>RJ-45 Network Cable, length 100 cm</b> <b>RJ-45 Network Cable, length 500 cm</b>
	W21067	<b>OR1™ Network Isolator, according to EN 60601, for galvanic decoupling of units with RJ-45 network connection (1 GBit)</b>
	W21341	<b>OR1™ Radio Microphone Headset</b>
	20 0450 30	<b>Adaptor, for TELE PACK X, in combination with KARL STORZ light cables and KARL STORZ videoendoscopes</b>

# TELE PACK VET X LED

Accessories



495 KS

**Adaptor**, for standard KARL STORZ fiber optic light cables (not 495 NCS) to KARL STORZ XENON 100 SCB



20 0300 30

**Adaptor**, with insufflation connector, for connecting KARL STORZ fiberscopes and videoendoscopes with KARL STORZ standard light connector to XENON 100 and Olympus cold light fountains

610 VET

**Silicone Tubing Set**, with male/male LUER-Lock connectors, **autoclavable**, length 250 cm



13992 BS

**Water Bottle**, 250 ml

# TELECAM Camera Heads

One-Chip Camera Head

For use with TELE PACK VET X LED



	<b>20 2120 30</b> <b>TELECAM One-Chip Camera Head,</b> PAL	<b>20 2121 30</b> <b>TELECAM One-Chip Camera Head,</b> NTSC
<b>with:</b>	soakable, gas-sterilizable, with integrated Parfocal Zoom Lens, f = 25 – 50 mm (2x), 2 freely programmable camera head buttons	

### Specifications:

Image Sensor	1/2" CCD chip
Pixels	752 (H) x 582 (V) pixels per chip (PAL), 768 (H) x 494 (V) pixels per chip (NTSC)
Resolution	> 450 lines (horizontal)
Signal-to-Noise Ratio	> 50 dB (PAL), > 52 dB (NTSC)
AGC	Microprocessor-controlled
Min. Sensitivity	3 Lux (f = 1.4 mm)
Exposure Control	1/50 sec.-1/10000 sec. (PAL), 1/60 sec.-1/10000 sec. (NTSC)
Lens	C-MOUNT: integrated special lens, C-MOUNT

# TELECAM Camera Heads

Optional Accessories

	39301 ACTS	<b>Plastic Container for Sterilization and Storage</b> of camera heads IMAGE1, TRICAM® and TELECAM, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
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**Camera Covers**, sterile, for single use



	040112-40*	<b>Camera Cover</b> , folded inside out, 13 x 242 cm, sterile, for single use, package of 40
	040113-50*	<b>Camera Cover</b> , telescopic folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 50
	040114-15*	<b>Camera Cover</b> , rolled, with plastic insertion aid, 17 x 242 cm, sterile, for single use, package of 15
	040115-40*	<b>Camera Cover</b> , telescopic folding with cardboard insertion aid, 13 x 242 cm, sterile, for single use, package of 40
	040169-40*	<b>Camera Cover</b> , with elastic telescope opening, telescope folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 40
	040170-25*	<b>Camera Cover</b> , with elastic telescope opening, telescope folding with paper insertion aid, 18 x 242 cm, sterile, for single use, package of 25

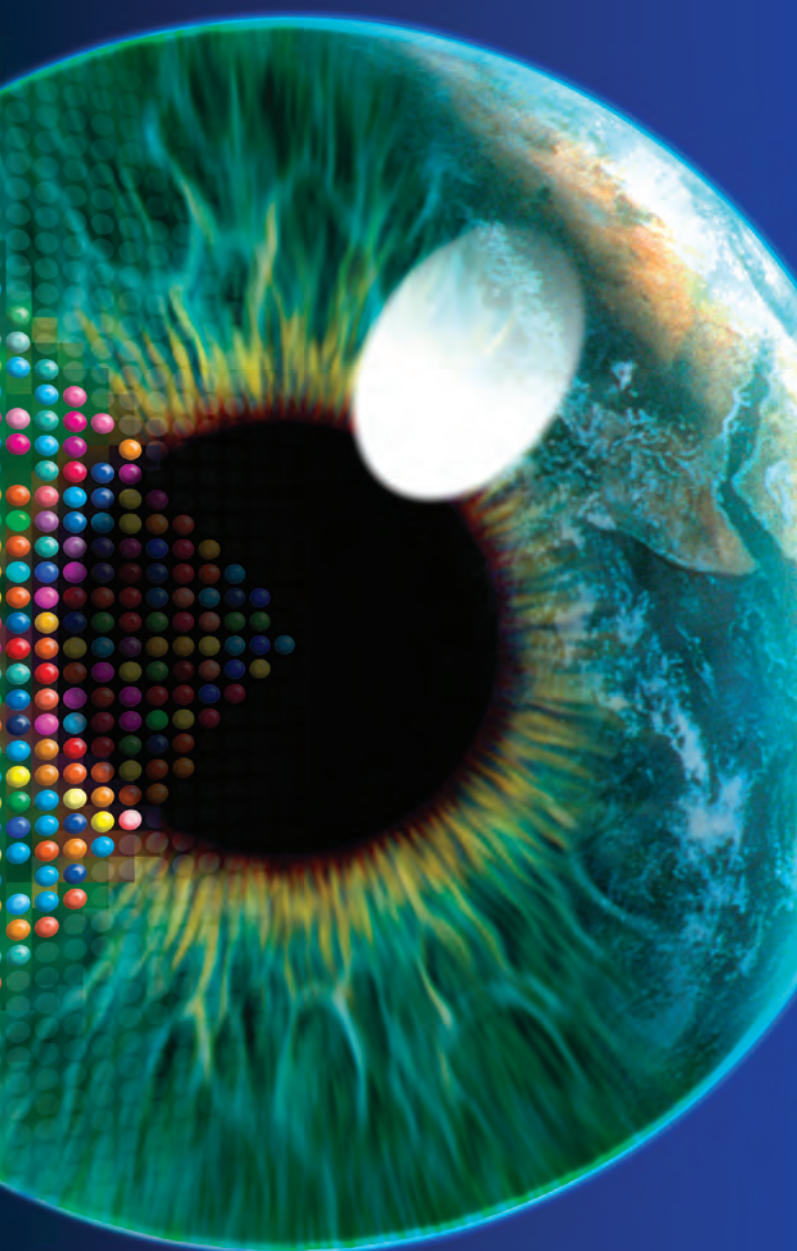
10-18



**Further Products for Single Use** see MTP SINGLE-USE PRODUCTS catalog







# OFFICE PLATFORM

## C-HUB® II

THE EASY IMMEDIATE SOLUTION  
FOR ANY PRACTICE . . . . . TP 34

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OVERVIEW VETERINARY . . . . . TP 35

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CAMERA CONTROL UNIT . . . . . TP 36

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C-MAC® MONITOR . . . . . TP 37

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ACCESSORIES . . . . . TP 39-TP 40

## C-CAM®

ONE-CHIP CAMERA HEAD . . . . . TP 38

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ACCESSORIES . . . . . TP 39-TP 40

## SMART SCOPE

ENDOSCOPE SMARTPHONE-  
ADAPTOR . . . . . TP 41-TP 44

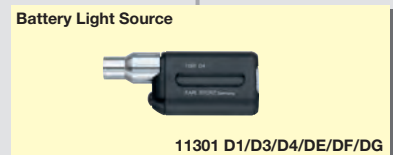
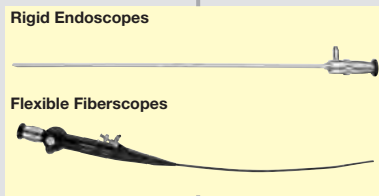
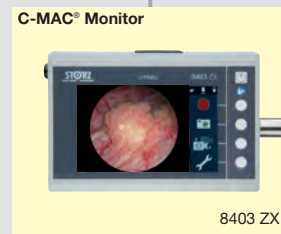
## C-HUB® II

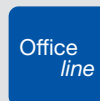
The easy immediate solution for any practice

This compact camera control unit is compatible with a great number of rigid and semiflexible endoscopes, fiberscopes and videoendoscopes. With this unit, endoscopic examinations can be quickly and easily performed in any practice for a wide range of disciplines.

As a Plug & Play device, the camera control unit is cost-effective and easy to use which makes the C-HUB® II very attractive for use in further training.







	<b>20 2903 01</b> <b>C-HUB® II Camera Control Unit</b>
<b>including:</b>	<b>Power Supply</b> <b>S-Video (Y/C) Connecting Cable</b> <b>USB Connecting Cable</b> <b>Video Editor</b>
<b>for use with:</b>	<ul style="list-style-type: none"> <li>● <b>C-CAM® Camera Head</b></li> <li>● <b>Videoendoscopes</b></li> <li>● <b>Electronic Module</b></li> <li>● <b>S-IMAGER</b></li> </ul>

**Specifications:**

Video outputs	S-Video, HDMI, USB
Power frequency	50/60 Hz
Dimensions w x h x d	111 x 44 x 140 mm
Weight	420 g
Power supply	5 V
Cleaning	wipe disinfection
Protection class	1
Degree of safety	BF

**Components/Spare Parts** see chapter 9



8403 ZX

8403 ZX

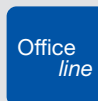
**C-MAC® Monitor for CMOS Endoscopes**, screen size 7" with 1280 x 800 pixel resolution, two camera inputs, a USB and a HDMI port, splash-proof according to IP54, suitable for wipe disinfection, shock-resistant ABS plastic housing, intelligent power management with rechargeable Li-Ion batteries



20290132

20290132

**C-CAM® Camera Head, 8-pin**, one-chip CMOS camera head, resolution 640 x 480, focal length  $f = 20$  mm, for use with C-HUB® 20290101, C-HUB® II 20290301 and Monitor 8403 ZX







	<b>20 2901 32</b> <b>C-CAM® Camera Head</b>
<b>for use with:</b>	<ul style="list-style-type: none"> <li>● C-HUB® II Camera Control Unit</li> <li>● C-MAC®</li> </ul>

**Specifications:**

Frame rate	50/60 Hz
Image sensor	1-chip
Resolution	640 x 480 pixels
Lens	fixed focus
Focal length	f = 20 mm
Dimensions w x h x l	28 x 28 x 81.5 mm
Weight	118 g
Cable length	195 cm
Cable conduit	straight
Grip mechanism	standard eyepiece adaptor
Reprocessing	EO sterilization, H <sub>2</sub> O <sub>2</sub> (hydrogen peroxide)
Protection class	1
Degree of safety	BF

# C-HUB® II, C-MAC® and C-CAM®

Accessories

	20 9190 10	<b>DVI to HDMI Cable</b> , length 100 cm
	547 S	<b>S-Video (Y/C) Connecting Cable</b> , length 180 cm
	20 2000 73	<b>USB Connecting Cable</b> , length 180 cm
	20 9190 50	<b>HDMI to HDMI Cable</b> , length 500 cm

## Battery Light Sources LED with standard and rechargeable batteries

	11301 D1	<b>Battery Light Source LED for Endoscopes</b> , with fine screw thread, boost mode for temporary increase in brightness, burning time > 120 min, weight approx. 78 g, for use with KARL STORZ endoscopes
	11301 D3	<b>Same</b> , with coarse screw thread
	11301 D4	<b>Battery Light Source LED for Endoscopes</b> , with fast screw thread, boost mode for temporary increase in brightness, burning time > 120 min, brightness > 110 lm / > 150 klx, weight approx. 150 g ready for use, <b>suitable for wipe disinfection</b> , for use with KARL STORZ endoscopes
	11301 DE	<b>Battery Light Source LED for Endoscopes</b> , rechargeable, with click connection, boost mode for temporary increase in brightness, color temperature 5500 K, lithium-ion batteries, charging time 60 min, burning time at 100% brightness 40 min, weight approx. 150 g, <b>suitable for wipe disinfection</b>
	11301 DF	<b>Same</b> , with coarse screw thread
	11301 DG	<b>Charging Unit</b> , for two LED battery light sources, with fixed integrated power supply and adaptor for EU, UK, USA and Australia, power supply 110 – 240 VAC, 50/60 Hz, <b>suitable for wipe disinfection</b> , for use with Battery Light Source LED 11301 DE/DF
	094129	<b>Battery Charger Li-Ion</b> , for charging Rechargeable Battery Box 094124 or Battery Light Source LED 11301 DE/DF, power supply 100 – 240 VAC, 50/60 Hz, for use with Mains Cord 094127
	094127	<b>Mains Cord</b> , for Battery Charger 094129, length 150 cm

10-18:

## Camera Covers, sterile, for single use



- |            |   |
|------------|---|
| 040112-40* | <b>Camera Cover</b> , folded inside out, 13 x 242 cm, sterile, for single use, package of 40  |
| 040113-50* | <b>Camera Cover</b> , telescopic folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 50                                |
| 040114-15* | <b>Camera Cover</b> , rolled, with plastic insertion aid, 17 x 242 cm, sterile, for single use, package of 15   |
| 040115-40* | <b>Camera Cover</b> , telescopic folding with cardboard insertion aid, 13 x 242 cm, sterile, for single use, package of 40                            |
| 040169-40* | <b>Camera Cover</b> , with elastic telescope opening, telescope folding with paper insertion aid, 13 x 242 cm, sterile, for single use, package of 40 |
| 040170-25* | <b>Camera Cover</b> , with elastic telescope opening, telescope folding with paper insertion aid, 18 x 242 cm, sterile, for single use, package of 25 |



Further Products for Single Use see MTP SINGLE-USE PRODUCTS catalog



## SMART SCOPE

In conjunction with KARL STORZ endoscopes, the smartphone adaptor from KARL STORZ allows straightforward documentation of endoscopic images on a smartphone.

The data transfer function on the smartphone enables images and videos to be easily transferred to the computer system in the doctor's office.

In addition to various smartphones models, the SMART SCOPE can be used with all standard eyepieces from KARL STORZ. This ease of use provides the flexibility required in any setting – whether in the doctor's office or for consultation purposes.



# SMART SCOPE

Overview

iPhone 6/6s Holder, iPhone 7/8 Holder  
iPhone X Holder



202881 00-16  
202881 00-17  
202881 00-1X

Galaxy S6/S7/S8 Holder



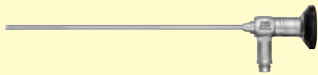
202881 00-S6  
202881 00-S7  
202881 00-S8

SMART SCOPE, smartphone adaptor




202880 01

Rigid Endoscopes




e.g., 64230 BA

Fiberscopes



e.g., 60003 VB1

Battery Light Source



11301 D4



with integrated tripod socket

	<b>20 2880 01</b> <b>SMART SCOPE</b> , smartphone adaptor		
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	<b>20 2880 01-I6</b> <b>SMART SCOPE with iPhone 6/6s Holder</b>	<b>20 2880 01-I7</b> <b>SMART SCOPE with iPhone 7/8 Holder</b>	<b>20 2880 01-IX</b> <b>SMART SCOPE with iPhone X Holder</b>
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for coupling a smartphone camera to an endoscope, for straightforward documentation of endoscopic images or videos on a smartphone, compatible with all endoscopes with standard eyepieces

	<b>20 2880 01-S6</b> <b>SMART SCOPE with Galaxy S6 Holder</b>	<b>20 2880 01-S7</b> <b>SMART SCOPE with Galaxy S7 Holder</b>	<b>20 2880 01-S8</b> <b>SMART SCOPE with Galaxy S8 Holder</b>
--	--	--	--

for coupling a smartphone camera to an endoscope, for straightforward documentation of endoscopic images or videos on a smartphone, compatible with all endoscopes with standard eyepieces

**Specifications:**

Lens	fixed focus
Diameter	32 mm
Length	73 mm
Grip mechanism	standard eyepiece adaptor

# SMART SCOPE

Accessories



**20 2881 00-16 iPhone 6/6s Holder**, for SMART SCOPE

**20 2881 00-17 iPhone 7/8 Holder**, for SMART SCOPE

**20 2881 00-IX iPhone X Holder**, for SMART SCOPE

**20 2881 00-S6 Galaxy S6 Holder**, for SMART SCOPE

**20 2881 00-S7 Galaxy S7 Holder**, for SMART SCOPE

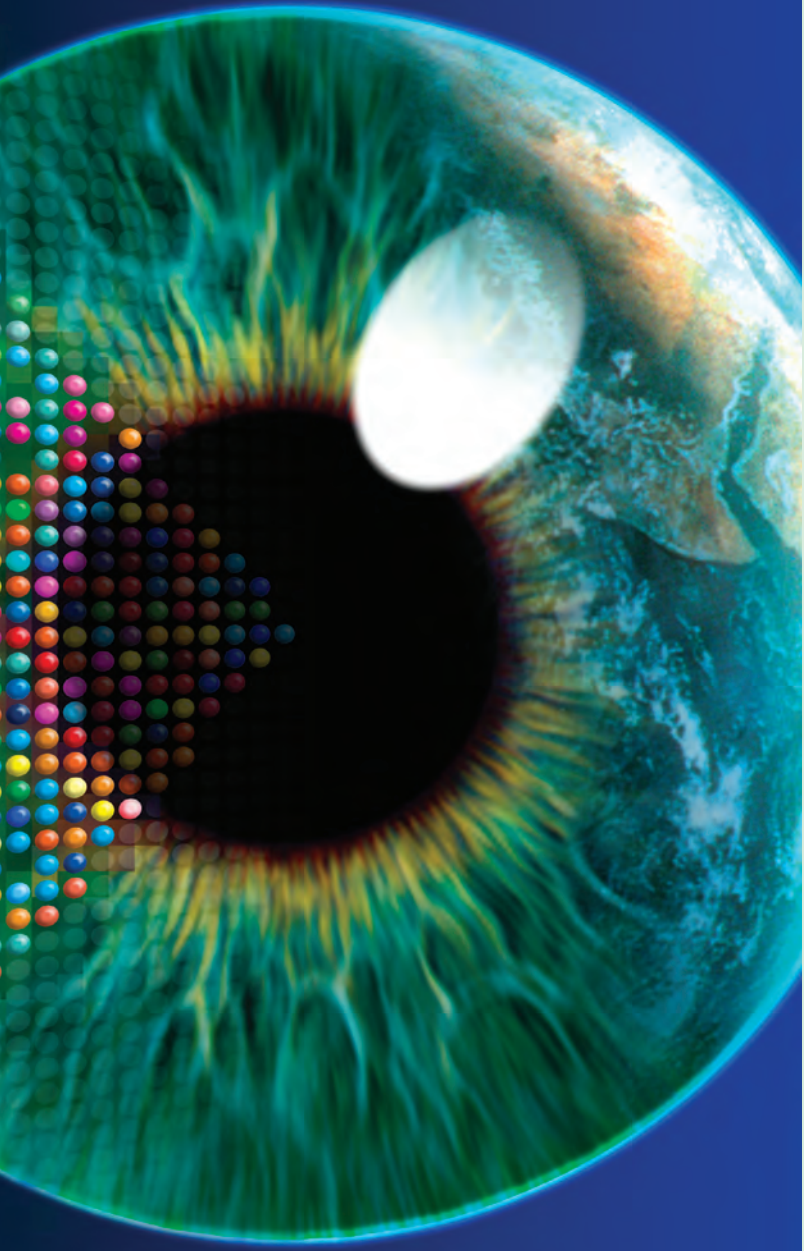
**20 2881 00-S8 Galaxy S8 Holder**, for SMART SCOPE



**96 2200 82 Microfiber Bag**, for SMART SCOPE



**11301 D4 Battery Light Source LED**



# MONITORS

4K MONITORS  
31", 32" AND 58" . . . . . TP 46-TP 48

FULL HD MONITOR 27"  
HD COLOR MONITOR 21.5" . . . . . TP 49-TP 51

3D MONITORS  
26" AND 32" . . . . . TP 52-TP 54

ACCESSORIES . . . . . TP 55

ZEROWIRE  
WIRELESS VIDEO  
TRANSMISSION SYSTEM . . . . . TP 56-TP 57

### 16:9 Monitor

The FULL HD widescreen monitor features bright and brilliant imaging with excellent color rendition. Optimized for the IMAGE1 S™ camera platform, the monitor delivers flawless endoscopic FULL HD images with a resolution of 1920 x 1080 pixels in a 16:9 format. The monitor also features a 3G-SDI input and output. This allows optimal image transmission across large distances.

### 4:3 Monitor

The 19-inch 4:3 HD monitor is optimal for round endoscopic images. Almost 47 cm in width, it is smaller than the other monitors in the portfolio and can therefore be placed much closer to the operating surgeon. This makes it a space-saving and cost-effective monitor solution without compromising on user benefits such as LED backlight technology, excellent hygiene properties and clear image rendition.

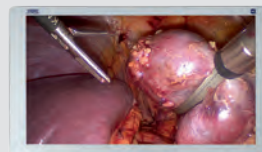
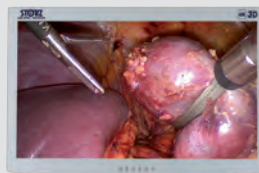
### 4K Monitor

The term 4K refers to the number of horizontal pixels. Nominally, 4K offers four times as many pixels as FULL HD (2,070,000 pixels with FULL HD; 8,290,000 pixels with 4K), i.e., the same image is “scanned” with twice as many pixels in both the horizontal and the vertical direction and displayed accordingly. The KARL STORZ 4K monitors feature a high level of detail and clear colors.



# 4K Monitors <sup>NEW</sup>

31", 32" and 58"



	TM 440 <sup>NEW</sup> 58" 4K Monitor	TM 350 <sup>NEW</sup> 32" 4K/3D Monitor	TM 342 <sup>NEW</sup> 31" 4K Monitor
<b>including:</b>	<b>Mains Cord</b> <b>Cable Cover</b> <b>4x Mounting Screws M8</b>	<b>Mains Cord</b> <b>External 24 VDC Power Supply</b> <b>3x 3D Polarization Glasses, passive</b> <b>Cable Cover</b> <b>4x Mounting Screws M4</b> <b>4x Mounting Screws M6</b>	<b>Mains Cord</b> <b>External 48 VDC Power Supply</b> <b>Cable Cover</b> <b>2x Screws for Cable Cover</b> <b>4x Mounting Screws M4</b> <b>4x Mounting Screws M6</b>

**Stand suitable for TM 350/342:**



9832 SFH **Monitor Stand**, for professional use, height-adjustable, tiltable, rotation +/-30°, disinfectable, color white, with VESA 200 adaptor, for use with 32" monitors up to 15 kg

9826 SF **Monitor Stand**, basic monitor stand, tiltable, rotation +/-30°, disinfectable, color white, with VESA 100 adaptor, for use with all monitors with VESA 100 adaptors up to 12 kg

**Stand suitable for TM 440:**



WA 10007 **OR1™ Monitor Cart, Set**, height-adjustable, for monitor 42 – 64", VESA pattern min. 100/100, max. 400/400, monitor weight max. 60 kg, monitor holder height adjustable on 1.8 m high column, four castors, floor area (in mm): 980 x 830, total height: 1.95 m including:  
**OR1™ Mobile Stand**  
**OR1™ Column**  
**OR1™ Crossbar**  
**2x OR1™ Monitor Mounts**

10-18

# 4K Monitors <sup>NEW</sup>

31", 32" and 58"

## Specifications:

	TM 440	TM 350	TM 342
Screen diagonal	58"	32"	31.1"
Resolution	3840 x 2160 pixels	3840 x 2160 pixels	3840 x 2160 pixels
Aspect ratio	16:9		
Contrast ratio	5000:1	1000:1	1500:1
Brightness	500 cd/m <sup>2</sup> (type)	700 cd/m <sup>2</sup> (type)	350 cd/m <sup>2</sup> (type)
Max. viewing angle	178° vertical	-	178° vertical/horizontal
Video inputs	1x DisplayPort, 1x 12G-SDI, 1x HDMI 2.0, 1x DVI-D	1x DisplayPort, 1x 12G-SDI, 1x HDMI 2.0, 1x HDMI 1.4b, 2x DVI-D	1x DisplayPort, 1x 12G-SDI, 2x DVI-D, 1x 3G-SDI
Video outputs	1x 12G-SDI	2x DVI-D 1x 12G-SDI	1x DVI-D, 1x 12G-SDI, 1x 3G-SDI
RS-232C connector	1x	for external control via RJ-11 adaptor	1x
USB output	5V/1A	-	5V/1A
Mount	VESA 400 x 400, VESA 400 x 200	VESA 100	100/200 mm VESA
Power supply	internal	external, 24 V	external, DC 48V
Unit properties	Picture in/out Picture, zoom function	n/a	Picture in/out Picture, zoom function
Power consumption	280 W	approx. 130 W	139.2 W
Power supply	100 – 240 VAC		
Power frequency	50/60 Hz		
Dimensions w x h x d	1329 x 781 x 89 mm	780 x 511 x 86 mm	760 x 444 x 87 mm
Weight	45.5 kg	approx. 12.3 kg	11.2 kg
Cleaning	wipe disinfection		
Degree of ingress protection	IP32	IP46 front IP20 rear	IP45 front IP32 rear
Monitor stand	Monitor Cart WA 10007	9832 SFH	9832 SFH, 9826 SF



# HD Monitor

27" FULL HD Monitor



	TM 220 <sup>NEW</sup> <b>27" FULL HD Monitor</b>
<b>including:</b>	<b>External 24 VDC Power Supply</b> <b>Mains Cord</b> <b>Cable Cover</b> <b>4x Mounting Screws M4</b>

### Stand suitable for TM 220:



9826 SF

**Monitor Stand**, basic monitor stand, tiltable, rotation +/-30°, disinfectable, color white, with VESA 100 adaptor, for use with all monitors with VESA 100 adaptors up to 12 kg

# HD Monitor

27" FULL HD Monitor

## Specifications:

	<b>TM 220</b>
Screen diagonal	<b>27"</b>
Resolution	1920 x 1080 pixels
Aspect ratio	16:9
Contrast ratio	1000:1
Brightness	900 cd/m <sup>2</sup> (type)
Max. viewing angle	178° vertical / horizontal
Video inputs	2x DVI-D, 1x 3G-SDI, 1x RGBS (VGA), 1x S-Video, 1x Composite
Video outputs	1x DVI-D, 1 x 3G-SDI, 1x Composite, 1x S-Video
RS-232C connector	1x
5V jack plug	–
DC output	5V/1A
Mount	100 mm VESA
Power supply	external
Unit properties	Picture-in-Picture
Power consumption	72 W
Power supply	100 – 240 VAC
Power frequency	50/60 Hz
Dimensions (w x h x d)	660 x 400 x 87 mm
Weight	8.5 kg
Cleaning	wipe disinfection
Degree of ingress protection	IP32
Monitor stand	9826 SF

# HD Color Monitor <sup>NEW</sup>

21.5" FULL HD Monitor,  
without IEC 60601-1 certification



69276 N  
**HD Color Monitor 21.5"**

## Specifications:

Screen diagonal	<b>21.5"</b>
Resolution	1920 x 1080 Pixel
Aspect ratio	16:9
Contrast ratio	1000:1
Brightness	250 cd/m <sup>2</sup> (Typ)
Viewing Angle (H/V)	170°/160°
Video inputs	VGA 15-Pin D-Sub, DVI 24-Pin DVI-D, HDMI 1.4, DisplayPort 1.2a
Mount	100 x 100 mm & 75 x 75 mm VESA
Power supply	Extern, DC 12V
Unit properties	28 W (on) > 0.5 W (stand-by)
Power consumption	146 W
Power supply	100 – 240 VAC
Power frequency	50/60 Hz
Dimensions (w x h x d)	513 x 369 x 155 mm
Weight	6.3 kg
Cleaning	wipe disinfection

## 3D Monitors

Perfect image quality for brilliant endoscopic imaging

With their excellent image quality, the medical-grade monitors meet the highest quality standards.

The innovative LED backlighting technology reduces power consumption, increases the monitor lifespan and ensures perfect image illumination. Progressive scan technology provides an optimal display of rapid movements. Extensive monitor settings include many functions such as picture-in-picture, horizontal and vertical mirroring and many more. Thanks to the standardized VESA 100 or 200 adaptors, the monitors are suitable for most ceiling arms and tower mounts. The monitors can be fully integrated into the KARL STORZ OR1™ system.

### 3D Monitors

For brilliant images with natural colors and a realistic depth effect, KARL STORZ offers 3D FULL HD monitors with diagonal sizes of 26" and 32". The monitors deliver excellent, clear images in both the 2D and 3D modes. The lightweight, passive 3D glasses enable fatigue-free viewing and comfortable wear, even during long surgeries. For people wearing prescription glasses, 3D clip-ons can be easily attached to the prescription frame. The monitors feature rotation options in the menu settings so that the image horizon can easily be rotated by 180 degrees.



# 3D Monitors

26" and 32"



	TM 350 <i>NEW</i> <b>32" 4K/3D Monitor</b>	TM 330 <i>NEW</i> <b>32" 3D Monitor</b>	TM 263 <i>NEW</i> <b>26" 3D Monitor</b>
<b>including:</b>	<b>Mains Cord</b> <b>External 24 VDC Power Supply</b> 3x <b>Polarization Glasses, passive</b> <b>Cable Cover</b> 4x <b>Mounting Screws M4</b> 4x <b>Mounting Screws M6</b>	<b>Mains Cord</b> <b>External 24 VDC Power Supply</b> 3x <b>Polarization Glasses, passive</b> <b>Cable Cover</b> 4x <b>Mounting Screws M4</b> 4x <b>Mounting Screws M6</b>	<b>Mains Cord</b> <b>External 24 VDC Power Supply</b> 3x <b>Polarization Glasses, passive</b> <b>Cable Cover</b> 4x <b>Mounting Screws M4</b>

### Stand suitable for TM 263/330



9826 SF

**Monitor Stand**, basic monitor stand, tiltable, rotation +/-30°, disinfectable, color white, with VESA 100 adaptor, for use with all monitors with VESA 100 adaptors up to 12 kg

### Stand suitable for TM 330/350:



9832 SFH

**Monitor Stand**, for professional use, height-adjustable, tiltable, rotation +/-30°, disinfectable, color white, with VESA 200 adaptor, for use with 32" monitors up to 15 kg

10-18

# 3D Monitors

26" and 32"



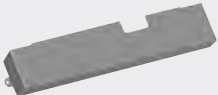



## Specifications:

	<b>TM 350</b>	<b>TM 330</b>	<b>TM 263</b>
Screen diagonal	<b>32"</b>	<b>31.5"</b>	<b>26"</b>
Resolution	3840 x 2160 pixels	1920 x 1080 pixels	1920 x 1080 pixels
Aspect ratio	16:9		
Contrast ratio	1000:1	1400:1	1400:1
Brightness	700 cd/m <sup>2</sup> (type)	650 cd/m <sup>2</sup> (type)	580 cd/m <sup>2</sup> (type)
Video inputs	1x DisplayPort, 1x 12G-SDI, 1x HDMI 2.0, 1x HDMI 1.4b, 2x DVI-D	2x DVI-D, 2x 3G-SDI, 1x Analog RGB (via VGA), 1x S-Video, 1x Composite, 1x Component	2x DVI-D, 2x 3G-SDI, 1x Analog RGB (via VGA), 1x S-Video, 1x Composite, 1x Component
Video outputs	2x DVI-D 1x 12G-SDI	1x DVI-D, 2x 3G-SDI, 1x S-Video, 1x Composite, 1x Component	1x DVI-D, 2x 3G-SDI, 1x S-Video, 1x Composite, 1x Component
RS-232C connector	for external control via RJ-11 adaptor	for external control (D-Sub 9-pin), RS-232C-compatible	for external control (D-Sub 9-pin), RS-232C-compatible
GPI output	–	D-Sub 9-pin	D-Sub 9-pin
Mount	VESA 100		
Power supply	external, 24 V		
Unit properties	n/a	Picture-in-Picture	Picture-in-Picture
Power consumption	approx. 130 W	88.8 W	86.4 W
Power supply	100 – 240 VAC		
Power frequency	50/60 Hz		
Dimensions w x h x d	780 x 511 x 86 mm	760 x 463 x 96 mm	643 x 396 x 80 mm
Weight	approx. 12.3 kg	10.2 kg	8.5 kg
Cleaning	wipe disinfection		
Degree of ingress protection	IP46 front IP20 rear	IP45 front IP32 rear	IP45 front IP32 rear
Monitor stand	9826 SFH	9826 SFH, 9832 SF	9832 SF

# Monitors

## Accessories

### Accessories for Monitors

	TM 001	<b>Monitor Cover</b> , high-grade monitor cover, padded imitation leather, suitable for 26" monitors
	TM 002	<b>Monitor Cover</b> , high-grade monitor cover, padded imitation leather, suitable for monitors up to 27" screen diagonal
	TM 010	<b>Monitor Cover</b> , high-grade monitor cover, padded imitation leather, suitable for 31" and 32" monitors
	9826 NB-COV	<b>Cable Cover</b> , for monitor, mounted at the rear of the monitor
	9826 PS	<b>Monitor Power Supply</b> , external 24 V power supply and cable, for Monitors 9826 NB/NB-3D, TM 263, TM 330 and TM 323 including: <b>Power Supply Adaptor</b> <b>Mains Cord</b>
	20 0403 74	<b>VGA Monitor Cable</b> , length 300 cm
	TC 003	<b>DisplayPort Cable</b> , length 300 cm
	TC 008	<b>12G-SDI Cable</b> , length 10 m
	TC 017	<b>Same</b> , length 300 cm
	TC 005	<b>3G-SDI Cable</b> , length 10 m
	TC 007	<b>Same</b> , length 300 cm
	20 0400 89	<b>DVI-D Connecting Cable</b> , length 300 cm
	547 S	<b>S-Video (Y/C) Connecting Cable</b> , length 180 cm





### Accessories for 3D Monitors

	TM 003	<b>3D Polarization Glasses</b> , fogless, passive, for use with 3D monitors
	9800 C	<b>3D Clip-on Glasses</b> , circularly polarized, for use with 3D monitors

# Monitors

ZeroWire – Wireless Video Transmission System



	<p>TZ 100</p> <p><b>ZeroWire G2 Transmission Set</b>, for wireless 2D and 3D video transmission, supports resolutions up to 1080p, 50/60 Hz, with DVI and 3G-SDI inputs including: <b>Transmitter</b> <b>Receiver</b> 2x <b>VESA Holders 24"/26"</b> 2x <b>DVI-D Cables</b> <b>SDI Cable</b> <b>User Manual</b> <b>Installation Manual</b></p> <p><b>Note:</b> Two TZ 001, TZ 002, TZ 003 or 9826 NB-ZW are required per ZeroWire G2 Video Transmission Set depending on the monitor.</p>
	<p>TZ 101</p> <p><b>ZeroWire G2 Receiver</b>, for wireless 2D and 3D video transmission, supports resolutions up to 1080p, 50/60 Hz, with DVI input</p>
	<p>TZ 102</p> <p><b>ZeroWire G2 Transmitter</b>, for wireless 2D and 3D video transmission, supports resolutions up to 1080p, 50/60 Hz, with DVI and 3G-SDI inputs</p>
	<p>9826 NB-ZW <b>ZeroWire Y-Cable</b>, Y-cable for looping into the monitor power supply to power the ZeroWire transmitter or receiver. The adaptor cable is equipped with a 4-pin plug, a bifurcation to a 4-pin socket and a DC plug.</p> <p><b>Note:</b> For use with ZeroWire G2 Transmission Set TZ 100 in conjunction with FULL HD Monitor 9826 NB, 26" 3D Monitor 9826 NB-3D, 26" 3D Monitor TM 263, 32" 3D Monitor TM 323 and 32" 3D Monitor TM 330</p>
	<p>TZ 001</p> <p><b>ZeroWire G2 Power Supply</b>, external 3-pin power supply, 24 V, 18 W, for direct connection to the video transmission system, for use with all monitors</p>

Components/Spare Parts see chapter 9



# Monitors

ZeroWire – Wireless Video Transmission System

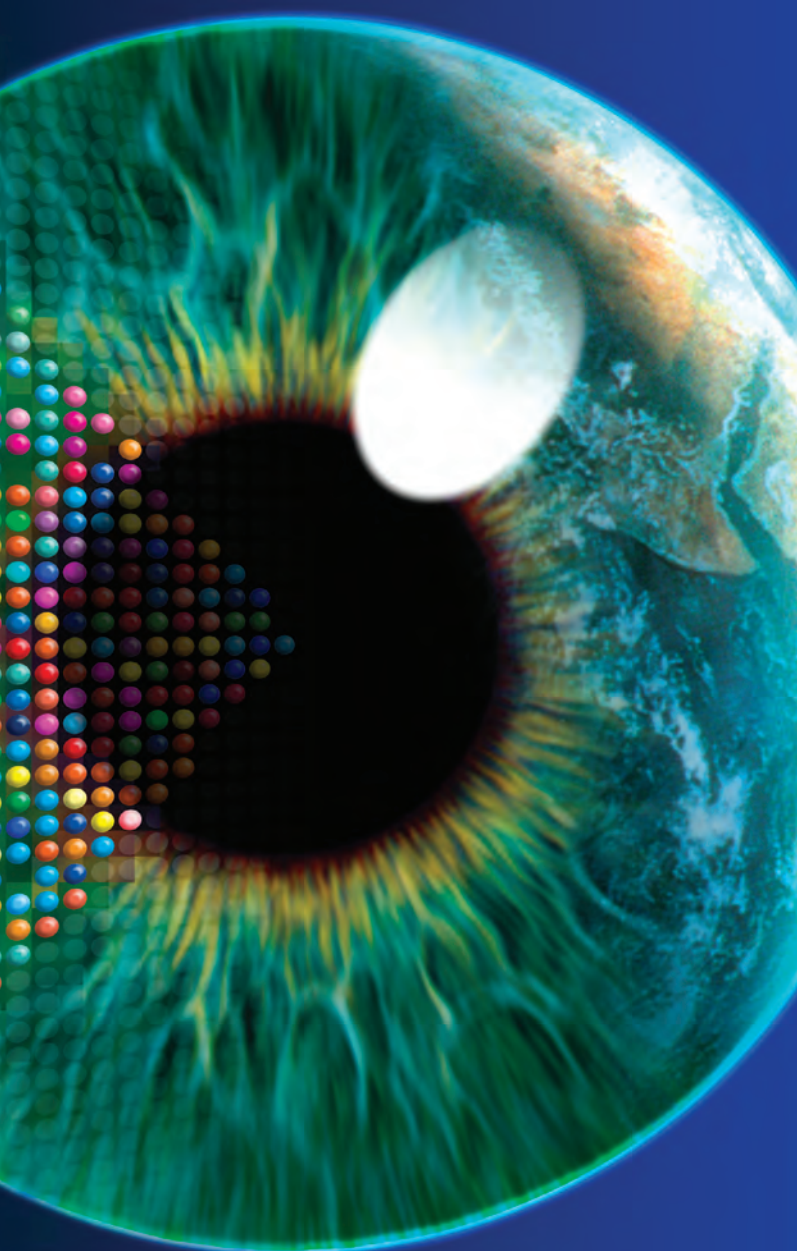


	TZ 002	<b>ZeroWire G2 Y-Cable 19" – 26"</b> , 3-pin Y-connector, for looping into the monitor power supply, for use with Monitors 9619 NB, 9627 NB, 9626 NB, 9526 NB, 9515 NB
	TZ 003	<b>ZeroWire G2 Y-Cable 26" – 32"</b> , 3-pin Y-connector, for looping into the monitor power supply
	TZ 018	<b>ZeroWire G2 Mounting Bracket</b> , for mounting the transmitter/receiver onto 32" monitors, for use with ZeroWire G2 TZ 100 and 32" monitors
	TZ 019	<b>ZeroWire G2 Mounting Bracket</b> , for mounting the 24"/27" monitors, for use with ZeroWire G2 TZ 100 and 24"/27" monitors

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**Components/Spare Parts** see chapter 9





# COLD LIGHT FOUNTAINS AND LIGHT CABLES

COLD LIGHT FOUNTAINS  
AND LIGHT CABLES . . . . . TP 60

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LED COLD LIGHT FOUNTAINS . . . . TP 61-TP 62

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COLD LIGHT FOUNTAINS  
WITH INTEGRATED PUMP . . . . . TP 63-TP 65

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ADAPTOR SERIES . . . . .TP 66

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ACCESSORIES . . . . . TP 67

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FIBER OPTIC AND  
FLUID LIGHT CABLES . . . . . TP 68-TP 70

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ADAPTOR FOR LIGHT  
SOURCES AND LIGHT CABLES . . . . . TP 71

# Cold Light Fountains and Light Cables

Top quality for over 60 years

The invention of the cold light source by Dr. Karl Storz in 1960 marked a breakthrough in endoscopy. Since then, the name KARL STORZ has been synonymous with high-quality, cutting-edge technology in minimally invasive surgery. The cold light fountains from KARL STORZ use only select and particularly powerful XENON lamps as well as high-quality LED light-emitting diodes. With sustainable resource conservation in mind, KARL STORZ values innovative technologies with the highest possible light output. Consequently, all products meet the demand to deliver the highest light intensity with low power consumption.

## LED Cold Light Fountains

LED cold light sources feature a constant light density combined with a very long service life. The average operational life of LED lamps is 30,000 hours. LED cold light fountains convert electrical energy directly into

visible light which results in a high light output. High-performance POWER LEDs only emit light in the visible range. This reduces heat development and facilitates lamp cooling. Consequently, the LED cold light fountains are encased in compact housing and are extremely quiet. With color temperatures ranging between 6000 and 6400 Kelvin, LEDs provide natural daylight coloration. All KARL STORZ light cables fit all LED cold light sources.

## XENON Cold Light Sources

The XENON cold light sources feature a high light density while the service life is 10 times longer than comparable halogen lamps. With a color temperature of 6000 Kelvin, XENON light sources provide natural coloration similar to daylight.



Components/Spare Parts see chapter 9

# LED Cold Light Fountains <sup>NEW</sup>

POWER LED 300 SCB



with touch screen



	<b>TL 300</b> <b>Cold Light Fountain POWER LED 300 SCB</b>
	with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet, power supply 100 – 240 VAC, 50/60 Hz
<b>including:</b>	<b>Mains Cord</b>

### Specifications:

Illumination technology	LED
Color temperature	approx. 6000 K
Average lamp service life	30,000 h
Light intensity adjustment	automatic via SCB manual via SCB manual via touch screen
Unit communication	KARL STORZ Communication Bus (2x SCB)
Power consumption	175 VA
Power supply	100 – 240 VAC
Power frequency	50/60 Hz
Dimensions w x h x d	305 x 155 x 313 mm
Weight	8.6 kg
Cleaning	wipe disinfection
Protection class	1
Degree of safety	CF-Defib

# LED Cold Light Fountains

POWER LED 175 SCB, LED NOVA 150



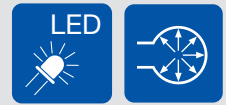
	<b>20 1614 01-1</b> <b>Cold Light Fountain POWER LED 175 SCB</b>	<b>20 1612 01</b> <b>Cold Light Fountain LED NOVA 150</b>
	with integrated KARL STORZ-SCB, high-performance LED module and one KARL STORZ light outlet	high-performance LED module, with one KARL STORZ light outlet
<b>including:</b>	<b>Mains Cord</b> <b>SCB Connecting Cable</b>	<b>Mains Cord</b>

## Specifications:

Illumination technology	LED	
Color temperature	approx. 6400 K	
Average lamp service life	30,000 h	
Light intensity adjustment	automatic via SCB manual via SCB manual via membrane keyboard	manual
Unit communication	KARL STORZ Communication Bus (2x SCB)	-
Power consumption	110 VA	60 VA
Power supply	110 – 240 VAC	100 – 240 VAC
Power frequency	50/60 Hz	
Dimensions w x h x d	305 x 110 x 233 mm	305 x 84 x 238 mm
Weight	4 kg	2.3 kg
Cleaning	wipe disinfection	
Protection class	1	
Degree of safety	CF	

# Cold Light Fountains with Integrated Pump

CO<sub>2</sub>MBI® LED SCB



with touch screen



air and/or CO<sub>2</sub>

	<b>TL100 S1</b> <b>Cold Light Fountain CO<sub>2</sub>MBI® LED SCB</b>
	with high-performance LED module, integrated KARL STORZ-SCB and integrated insufflation pump for air and CO <sub>2</sub>
<b>including:</b>	<b>Irrigation Bottle Holder</b> <b>Holding Ring</b> , for water bottles <b>Water Bottle</b> <b>Irrigation Adaptor</b> , for water bottles <b>SCB Connecting Cable</b> <b>Universal Wrench</b>
<b>for use with:</b>	<ul style="list-style-type: none"> <li>● <b>KARL STORZ videoendoscopes</b></li> </ul>
<b>Specifications:</b>	
Illumination technology	LED
Color temperature	approx. 6400 K
Average lamp service life	30,000 h
Light intensity adjustment	automatic via SCB manual via SCB manual via membrane keyboard
Unit communication	KARL STORZ Communication Bus (2 x SCB)
Power consumption	120 VA
Power supply	100 – 240 VAC
Power frequency	50/60 Hz
Dimensions w x h x d	305 x 110 x 313 mm
Weight	8,5 kg
Cleaning	wipe disinfection
Protection class	1
Degree of safety	CF
Pump	integrated pump with two power levels
Insufflation	CO <sub>2</sub> and/or air
CO <sub>2</sub> gas supply	central or via bottle

**Spare Lamps and Spare Lamp Modules for Cold Light Fountains** see chapter 9

**Components/Spare Parts** see chapter 9

# Cold Light Fountain XENON 100 SCB

with Integrated Insufflation Pump

For use with KARL STORZ videoendoscopes

## Special Features:

- Optimal light efficiency
- Electronically adjustable light intensity
- Powerful ventilation with low noise level
- No overheating of environment
- Special diaphragm focuses the light onto the field of view
- New dielectric heat protection filter improves light efficiency by around 20%
- With KARL STORZ Communication Bus (KARL STORZ-SCB)
- Problem-free lamp replacement
- Integrated insufflation pump
- High light intensity
- Xenon lamp provides daylight coloration
- Display of lamp service life
- Insufflation pump with 3 performance levels
- 100 W Xenon lamp



	<b>69 1326 01-1</b> <b>Cold Light Fountain XENON 100 SCB</b>
	with KARL STORZ-SCB, incl. integrated insufflation pump, power supply 100 – 240 VAC, 50/60 Hz, for use with KARL STORZ videoendoscopes
<b>including:</b>	<b>Mains Cord</b>

## Specifications:

Illumination technology	XENON, 100 W
Color temperature	ca. 6000 K
Average lamp service life	500 h
Light intensity adjustment	automatic via SCB manual via SCB manual via membrane keyboard
Unit communication	KARL STORZ Communication Bus (2 x SCB)
Power consumption	120 VA
Power supply	100 – 240 VAC
Power frequency	50/60 Hz
Dimensions w x h x d	305 x 110 x 380 mm
Weight	5.4 kg
Cleaning	wipe disinfection

The system can be operated with KARL STORZ-SCB units.

**Spare Lamps and Spare Lamp Modules for Cold Light Fountains XENON** see chapter 9

**Components/Spare Parts** see chapter 9



# Cold Light Fountains VETERINARY

**Special Features:**

- Compact design
- Optimum lighting power
- Manual light intensity control, 3 settings
- Integrated insufflation pump



	<b>69 111001</b> <b>Cold Light Fountain VETERINARY</b>
	with integrated insufflation, power supply 230 VAC, 50/60 Hz
<b>including:</b>	<b>Mains Cord</b>

**Specifications:**

Lamp Type	Halogen 24 V, 150 Watt
Color Temperature	approx. 3400 K
Light Outlets	1
Light Intensity Adjustment	in 3 steps
Dimensions w x h x d	305 x 84 x 265 mm
Weight	6 kg
Certified to	IEC 601-1, CE acc. to MDD, protection class 1/CF

**Spare Lamps for Cold Light Fountains HALOGEN** see chapter 9  
**Components/Spare Parts** see chapter 9

# Adaptor Series







for LED and XENON Light Sources

		<i>POWER LED 300</i>	<i>Cold Light Fountain XENON 100 SCB</i>	<i>Cold Light Fountain VETERINARY</i>	<i>CO<sub>2</sub> MBI® LED</i>
20 0300 30	<b>Adaptor</b> , with insufflation connector, for connecting KARL STORZ fiberscopes and videoendoscopes with KARL STORZ standard light connector to XENON 100 and Olympus cold light fountains	-	●	-	●
TL 005	<b>Triple Adaptor</b> , for use with POWER LED 300 cold light fountain in combination with KARL STORZ, Olympus, Stryker and Wolf light cables	●	-	-	-
69487 KVE	<b>Adaptor</b> , for KARL STORZ videoendoscopes, for use with light sources XENON NOVA® and XENON 175, compatible with POWER LED 300, with integrated heat filter and lateral connector for insufflation	●	-	-	-




# Cold Light Fountains

Accessories

## Optional Accessories for Cold Light Fountain CO<sub>2</sub>MBI® LED

	TL 001	<b>Irrigation Bottle Holder</b> , for use with Cold Light Fountain CO <sub>2</sub> MBI® LED SCB TL 100
	TL 002	<b>Holding Ring</b> , for Water Bottle 13992 BS, for use with Irrigation Bottle Holder TL 001
	TL 003	<b>Holding Ring</b> , for use with Ampuwa Plastipur irrigation bottles, in combination with Irrigation Bottle Holder TL 001
	TL 004	<b>CO<sub>2</sub> Bottle Holder</b> , for CO <sub>2</sub> bottles, for use with Cold Light Fountain CO <sub>2</sub> MBI® LED SCB TL 100
	495 KS	<b>Adaptor</b> , for standard KARL STORZ fiber optic light cables (not 495 NCS/TIP/NAC/NCSC), for connection to cold light fountains with videoendoscope adaptor
	* 20 0300 30	<b>Adaptor</b> , with insufflation connector

## Accessories for Cold Light Fountain POWER LED 300

	* TL 005	<b>Triple Adaptor</b> , for use with POWER LED 300 cold light fountain in combination with KARL STORZ, Olympus, Stryker and Wolf light cables
	20 0901 70	<b>SCB Connecting Cable</b> , length 100 cm
	69487 KVE	<b>Adaptor</b> , for KARL STORZ videoendoscopes, for use with light sources XENON NOVA® and XENON 175, compatible with POWER LED 300, with integrated heat filter and lateral connector for insufflation

\*Adaptors are also for use with Cold Light Fountains XENON 100 SCB

# Fiber Optic and Fluid Light Cables

for Cold Light Fountains

Endoscopic imaging is largely dependent on the quality of the fiber optic light cable.

It pays to inspect and replace these cables regularly as even a state-of-the-art camera system delivers dark images if the light cable is not functioning properly.

## Fiber Optic Light Cables

With the fiber optic light cable with safety lock, KARL STORZ presents a new product featuring high light yield and long service life as well as quality workmanship with attention to detail.

### Special Features:

The hot-fused optical fibers impress with:

- Excellent light transmission
- Longevity
- Can be used for ICG fluorescence applications
- Autoclavable
- Revolving safety lock for 495 NAC and 495 NCSC
- Available in diameters 4.8 mm and 3.5 mm

## Fluid Light Cables

In fluid light cables, light is not transmitted via glass fibers but through a special fluid inside the light cable.

Fluid light cables are stiffer than fiber optic light cables and should not be bent too much.

The light transmitted in this type of cable is, however, more intense than when using fiber optic light cables of comparable diameters.

Fluid light cables are therefore preferred for photodynamic diagnosis (PDD) in conjunction with light sources from the D-LIGHT series.

Fluid light cables can be disinfected in solutions and can also be gas-sterilized.

Steam sterilization causes damage to the fluid light cable.



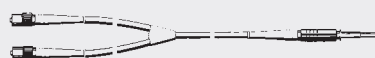
Adaptor for connecting KARL STORZ fiber optic light cables with endoscopes and light sources from other manufacturers, see page TP 71

# Fiber Optic and Fluid Light Cables

for Cold Light Fountains




Order No.	Diameter (mm)	Length (cm)	NIR/ICG Applications	Straight Connector	Extremely Heat-resistant	Enhanced Light Transmission	With Safety Lock
495 NT	2.5	180	-	●	-	-	-
495 NTA	2.5	230	-	●	-	-	-
69495 NL	3.5	180	-	●	-	-	-
69495 NA	3.5	230	-	●	-	-	-
495 NAC	3.5	230	●	●	●	●	●
69495 ND	3.5	300	-	●	-	-	-
69495 NB	4,8	180	-	●	-	-	-
495 NCSC	4.8	250	●	●	●	●	●
69495 NCS	4.8	250	●	●	●	●	-
495 TIP	4.8	300	●	●	●	●	-
69495 NE	4.8	300	-	●	-	-	-
495 VIT	4.8	550	●	●	●	●	-



495 UD

**Fiber Optic Light Cable**, with straight connector, 2x diameter 3.5 mm, length 180 cm, for simultaneous light transmission for 2 instruments

## Recommended Combination: Light Cable with Endoscope\*

	Light Cable Diameter	Endoscope Diameter
	4.8 – 5.0 mm	6.5 – 12.0 mm
	3.0 – 3.5 mm	3.0 – 6.5 mm
	2.0 – 2.5 mm	0.8 – 2.9 mm

**\*Special endoscopes may deviate.**

**Please note:** The high light concentration at the end of the light cable causes heat to be generated in the focal point. The end of the light cable should never be placed on the patient's drape or skin as long as the cold light fountain is turned on as the light intensity may cause burns to the patient or set the drape on fire.

The diameter indicated refers to the diameter of the fiber optics.

# Fiber Optic and Fluid Light Cables

for Cold Light Fountains

## Fiber Optic Light Cable with 90° deflection to the light source



495 NW

**Fiber Optic Light Cable**, with 90° deflection to the cold light fountain on the fountain side, diameter 3.5 mm, length 180 cm

## Fiber Optic Light Cable with 90° deflection to the instrument



495 NVC

495 NV/NVL

495 NVC

**Fiber Optic Light Cable**, with 90° deflection to the instrument, very narrow radius of curvature, diameter 4.8 mm, length 300 cm

495 NVL

**Fiber Optic Light Cable**, with 90° deflection to the instrument, diameter 3.5 mm, length 300 cm

495 NV

**Fiber Optic Light Cable**, with 90° deflection to the instrument, diameter 3.5 mm, length 230 cm

## Light Adaptor, angled 90°



495 EW

**Light Adaptor**, angled 90°, diameter 4.8 mm, free rotatable, to connect with standard telescopes

## Fiber Optic Light Cables, for headlights



495 NAS

**Fiber Optic Light Cable**, with straight connector, diameter 3.5 mm, length 230 cm

## Fluid Light Cables, for cold light fountains



495 FP

**Fluid Light Cable**, diameter 3 mm, length 250 cm

495 FR

**Fluid Light Cable**, diameter 5 mm, length 250 cm

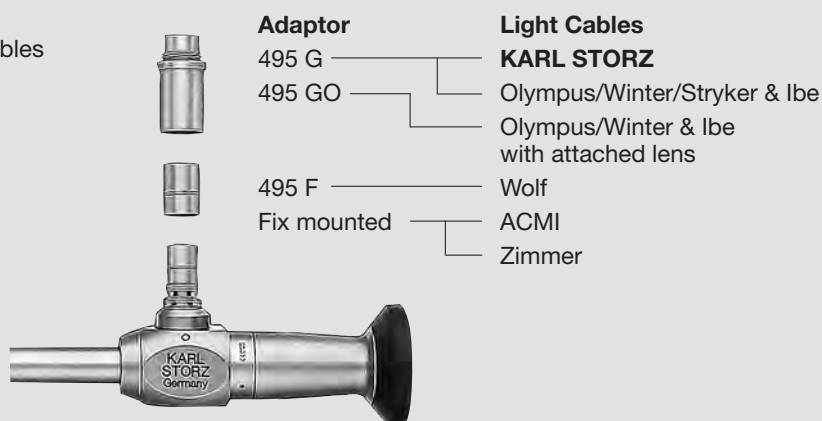
495 FS

**Fluid Light Cable**, diameter 2 mm, length 220 cm

# Adaptor

for Light Sources and Light Cables

HOPKINS® Telescopes with universal connector for light cables



Manufacturer	I = Instrument CF = Cold Light Fountain LC = Light Cable	KARL STORZ				Special Applications
		Light Cable	Cold Light Fountain	Previous Instrument	Current Instrument	
ACMI	I	495 W	-	-	-	ACMI connector to ACMI connector 495 Y
	CF	495 PA	-	-	-	
	LC	-	-	-	-	
Downs	CF	495 PA	-	-	-	Olympus Techno Fountain for KARL STORZ Cable 81495 OT, Olympus Light Cable for KARL STORZ Techno Fountain 81450/81495 OL
Dyonics	CF	495 Q	-	-	-	
	LC	-	495 E	-	-	
Effner	CF	495 Q	-	-	-	
Fuji	CF	495 FU	-	-	-	
KLI	CF	495 PA	-	-	-	
	LC	-	-	-	-	
Machida	CF	-	-	-	-	
Olympus	CF	20 0300 30 495 SON	-	-	-	
	LC	-	495 D	-	-	
Pentax	CF	495 T	-	-	-	
	LC	-	495 D	-	-	
HSW	CF	495 Q	-	-	-	
	LC	-	495 E	-	-	
Stryker	I	495 ST	-	-	-	
	CF	495 PA	-	-	-	
Richard Wolf	I	495 X	-	-	-	
	CF	495 Q	-	-	-	
	LC	-	495 E	-	-	
Olympus/ Winter & Ibe	CF	-	-	-	-	
	LC with attached lens	-	-	495 GO	495 GO	





# DOCUMENTATION, DATA MANAGEMENT AND IMAGE DISTRIBUTION

KARL STORZ AIDA® ..... TP 74-TP 79

SCENARA® ..... TP 80-TP 83



The name AIDA® stands for the comprehensive implementation of all documentation requirements arising in surgical procedures:

A tailored solution that flexibly adapts to the needs of every specialty and thereby allows for the greatest degree of customization.

This customization is achieved in accordance with existing clinical standards to guarantee a reliable and safe solution.

Proven functionalities merge with the latest trends and developments in medicine to create a whole new experience of documentation – AIDA®.

AIDA® allows seamless integration into existing infrastructures and exchanges data with other systems using common standard interfaces.

### Functions and Capabilities:

- Multifunctional image and video data recorder
- Support of DP and HDMI/DVI-D video input signals
- Entry of patient data via DICOM worklist, keyboard, SMARTSCREEN® or touch screen
- Integrated checklist
- Still image and video sequences capture in FULL HD, 4K and 3D quality
- Synchronous or asynchronous recording of two sources
- Image and video data capture via camera buttons, footswitch, SMARTSCREEN®, touch screen or keyboard
- Image and video data editing
- Data storage via DICOM, on external USB storage media, DVD or internal data memory
- Printing of image data
- Retrieval and export of previously saved image and video data
- Equipment cart installation via screen



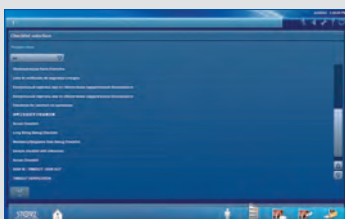
**Workflow-oriented use**



**Patient**

Entering patient data has never been this easy.

AIDA® allows seamless integration into existing infrastructures such as HIS and PACS. It enables bidirectional communication and transfer of data via DICOM. All important patient information is just a click away.



**Checklist**

Central administration and documentation of time-out.

The checklist simplifies the documentation of all critical steps in accordance with clinical standards. All checklists can be adapted to individual needs.



**Record**

High-quality documentation through freeze frames and videos in FULL HD, 4K and 3D.

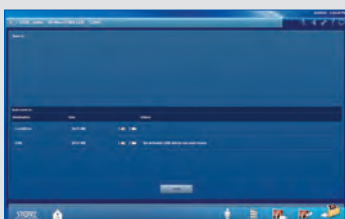
The Dual Capture function allows for the parallel (synchronous or independent) recording of two sources, for example, room camera, endoscopic camera, etc.. All recorded media can be marked for further processing with just one click.



**Edit**

With the Edit module, simple adjustments to recorded still images and videos can be completed very quickly.

Recordings can be rapidly optimized and then directly placed in the report. In addition, freeze frames can be cut out of videos, processed and saved. Markings from the Record module can be used for quick selection.



**Complete**

The completion of documentation has never been easier. AIDA® offers a large selection of storage locations. The data exported to each storage location can be defined. The Intelligent Export Manager (IEM) then carries out the export in the background. To prevent data loss, the system keeps the data until they have been successfully exported.



**Reference**

All important patient information is always available.

Completed procedures including all information, still images, videos, and checklist reports can be easily retrieved from the Reference module.

## Storage Locations

External USB drive



Printer



549 MG

Network



Internal hard drive

AIDA® with SMARTSCREEN®, documentation system



WD 350-EN\*

## Sources


IMAGE1 S CONNECT®, basic module



TC 200EN/TC 201EN

## Destinations

Monitor



TM 330

## Sources

IMAGE1 S CONNECT®, basic module



TC 200EN/TC 201EN

IMAGE1 S™ X-LINK, module for flexible and rigid endoscopy



TC 301

IMAGE1 S™ 4U-LINK, module for rigid endoscopy, 4K technology



TC 304

IMAGE1 S D3-LINK®, module for 3D endoscopy and VITOM® 3D



TC 302

Videendoscope Adaptor




TC 013

IMAGE1 S™ 4U One-Chip 4K UHD Camera Head



e.g., TH 120, TH 100

TIPCAM® 1 S 3D LAP, 3D video laparoscope




e.g., 26605 BA

Flexible Videendoscopes



Rigid Endoscopes



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

- Control via SMARTSCREEN®
- DICOM connection
- FULL HD, 4K and 3D capture
- Integrated checklist



with touch screen



WD 350-EN\*  
**AIDA® with SMARTSCREEN®**

documentation system set, for recording still images and videos, dual channel up to 4K, 2D/3D

### Specifications:

Line voltage	100 – 240 VAC
Power frequency	50/60 Hz
Video signal inputs	1x DP, 1x HDMI/DVI-D
Input frequency	47 – 63 Hz
Output resolution	up to 3840 x 2160, 16:9
Network	2x RJ45
Image formats	BMP, JPG, PNG
Video formats	MPEG-4, MPEG-2, MOV
Patient data	saved as .xml file
Storage locations	internal memory (2 TB), USB storage media, via 2.0 and 3.0 (flash drive and HDD), network drive, FTP, SFTP, DICOM, SCENARA® .store

**Components/Spare Parts** see chapter 9

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

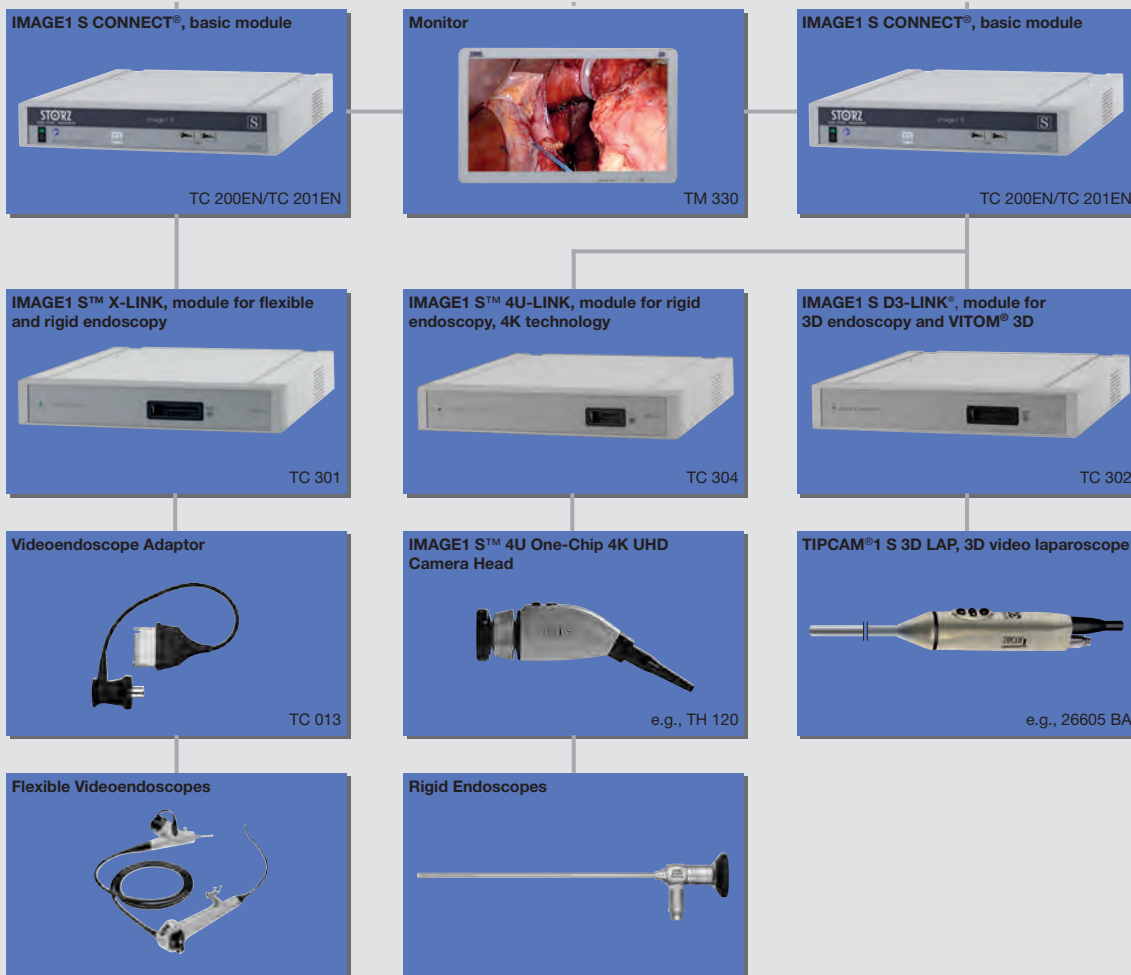
## Storage Locations



## Sources

## Destinations

## Sources



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

- Control via touch screen
- DICOM connection
- FULL HD, 4K and 3D capture
- Integrated checklist



	WD 300-EN* <b>AIDA®</b>
	documentation system set, for recording still images and videos, dual channel up to 4K, 2D/3D
<b>for use with:</b>	● <b>21.5" Touch Screen 20 0906 21</b>

**Specifications:**

Line voltage	100 – 240 VAC
Power frequency	50/60 Hz
Video signal inputs	1x DP, 1x HDMI/DVI-D
Input frequency	47 – 63 Hz
Output resolution	up to 3840 x 2160, 16:9
Network	2x RJ45
Image formats	BMP, JPG, PNG
Video formats	MPEG-4, MPEG-2, MOV
Patient data	saved as .xml file
Storage locations	internal memory (2 TB), USB storage media, via 2.0 and 3.0 (flash drive and HDD), network drive, FTP, SFTP, DICOM, SCENARA® .store

**Components/Spare Parts** see chapter 9

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

Today, the documentation of endoscopic examinations and procedures is a standard requirement that confronts hospitals and practices with the increasingly complex handling of large data volumes. Continuous progress in medicine is associated with a growing need for, and interest in, a solution that allows easy data distribution and management. Only collected data that are meaningfully stored and easily accessible can be used later for patient follow-up or for conducting studies and research. In addition, medical professionals are interested in simplified processes, increased productivity, and patient satisfaction. SCENARA® offers a new, platform-independent and modular software solution that meets these requirements and currently consists of two modules.

**Functions and Capabilities:**

**SCENARA® .STORE**

Image and video data storage and management

- Endoscopic data from various systems at a central location with fast and mobile data access

**SCENARA® .CONNECT**

Centralized communication interface

- Interoperability between documentation solutions from KARL STORZ and other available information and archiving systems

**SCENARA® .STORE and SCENARA® .CONNECT**

- Scalable solutions for facilities of all sizes
- Software updates and upgrades
- Service contract for software maintenance, troubleshooting and software updates without additional costs







SCENARA® .store

**Intelligent Data Storage and Management****Data Management**

Based on a scientifically tested set of rules, image and video data can be compressed or even deleted after a defined time period.

**Support in Finding Information****Fast Data Access**

SCENARA® .STORE provides flexible and easy access to endoscopic image and video data.

As a result, productivity and patient care can be improved, time saved, costs reduced, and patient satisfaction increased.

**Smart Function and Intuitive Use****View and Edit**

SCENARA® .STORE features a virtual examination concept and additional navigation tools that ensure excellent user orientation at any time, even during long recordings.

Image and video data can be directly and quickly edited for further use. Videos can be cut and still images generated from videos with just a few clicks.

**Compare and Share**

SCENARA® .STORE allows users to compare the recordings of patients from the same procedure or from several procedures to access the patient follow-up.

In addition, patient data can be made available to other users in a controlled and documented manner.

**Export**

SCENARA® .STORE allows the easy and rapid export of all image and video data, optionally in anonymized form. These are then available for immediate use, e.g., for forwarding to the patient or for presentation purposes.



SCENARA® .connect

**Interfaces**

SCENARA® .CONNECT offers a centralized communication interface to existing information systems, which leads to considerable savings.

**Reduced Complexity**

SCENARA® .CONNECT reduces the complexity of the workflow by ensuring optimal interoperability between the KARL STORZ documentation solutions and existing information and archiving systems from different manufacturers.

**Efficiency**

SCENARA® .CONNECT increases efficiency as manual data transfer is no longer necessary.

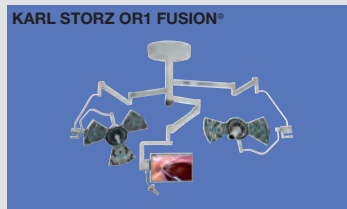
**Safety**

SCENARA® .CONNECT improves the safety of patient data by preventing wrong save destinations and data loss.

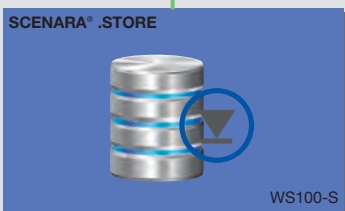
**Clinical Integration**

SCENARA® .CONNECT permits easy integration and seamlessly fits into existing clinical infrastructures.

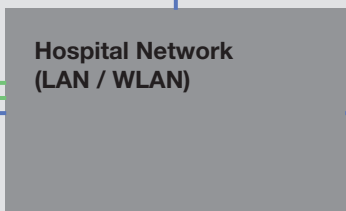
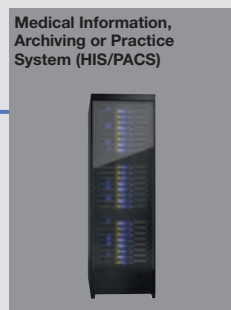
### Sources



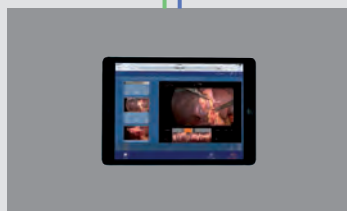
### Storage Location



### Communication Interface



### End Devices



This graphic presents a possible scenario

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



	<p>WS100-S <b>SCENARA® .STORE</b></p>
<p>software and modality license (per KARL STORZ documentation unit – KARL STORZ OR1 FUSION®, KARL STORZ AIDA® and TELE PACK X Series). Please note the installation requirements.</p>	
	<p>WS100-C <b>SCENARA® .CONNECT</b></p>
<p>software and modality license (per KARL STORZ documentation unit – KARL STORZ OR1 FUSION®, KARL STORZ AIDA® and TELE PACK X Series). Please note the installation requirements.</p>	
	<p>WSOFTINSTALL <b>Software Installation and Configuration</b></p>
	<p>WSOFTW <b>Software Maintenance Contract</b></p>
<p>including software updates (to ensure an up-to-date system), provision of workarounds and patches, telephone support, upgrades at discounted price</p>	



## EQUIPMENT CARTS

COR – EQUIPMENT CART  
GENERATION . . . . .TP 86-TP 88

COR EQUIPMENT CART LC . . . . .TP 89

ACCESSORIES FOR  
COR EQUIPMENT CARTS . . . . . TP 90-TP 95

E-SERIES MOBILE STANDS . . . . . TP 96-TP 97

ACCESSORIES FOR  
E-SERIES MOBILE STANDS . . . . . TP 98



# COR – Equipment Cart Generation <sup>NEW</sup>

## Special Features:

- Fast and intuitive assembly without additional accessories
- Individually configurable thanks to modular system
- Convenient and functional cable management
- A wide range of mounting attachments
- Central power supply for all mains and potential equalization connectors
- Smooth and easy-to-clean surfaces
- Rapid assembly and easy repositioning of drawers or shelves without requiring tools



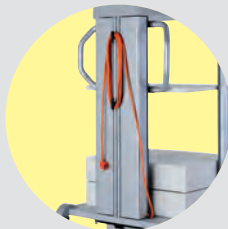
Various positions possible for monitor holding arms



Grid bars for easy and straightforward mounting



Push handles with ergonomic design for easy and convenient handling



Convenient storage for mains cords when not in use





UG 220

**Equipment Cart**, wide, high, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 12 sockets, grounding plugs,

Dimensions:

Equipment cart: 830 x 1474 x 730 mm (w x h x d),

Shelf: 630 x 25 x 510 mm (w x h x d),

Caster diameter: 150 mm

including:

**Base Module**, equipment cart, wide

**Cover**, equipment cart, wide

**Beam Package**, equipment cart, high

3x **Shelf**, wide

**Drawer Unit with Lock**, wide

2x **Equipment Rail**, long

**Camera Holder**

2x **Mains Cord**, length 100 cm



UG 120

**Equipment Cart**, narrow, high, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 12 sockets, grounding plugs,

Dimensions:

Equipment cart: 660 x 1474 x 730 mm (w x h x d),

Shelf: 450 x 25 x 510 mm (w x h x d),

Caster diameter: 150 mm

including:

**Base Module**, equipment cart, narrow

**Cover**, equipment cart, narrow

**Beam Package**, equipment cart, high

3x **Shelf**, narrow

**Drawer Unit with Lock**, narrow

2x **Equipment Rail**, long

**Camera Holder**

2x **Mains Cord**, length 100 cm



UG 110

**Equipment Cart**, narrow, small, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 6 sockets, grounding plugs,

Dimensions:  
Equipment Cart: 660 x 1265 x 730 mm (w x h x d),  
Shelf: 450 x 25 x 510 mm (w x h x d),  
Caster diameter: 150 mm  
including:

- Base Module**, equipment cart, narrow
- Cover**, equipment cart, narrow
- Beam Package**, equipment cart, small
- 2x **Shelf**, narrow
- Drawer Unit with Lock**, narrow
- 2x **Equipment Rail**, long
- 2x **Mains Cord**, length 100 cm



UG 210

**Equipment Cart**, wide, small, rides on 4 antistatic dual wheels equipped with locking brakes, mains switch on cover, energy beam with integrated electrical subdistributors with 6 sockets, grounding plugs,

Dimensions:  
Equipment cart: 830 x 1265 x 730 mm (w x h x d),  
Shelf: 630 x 25 x 510 mm (w x h x d),  
Caster diameter: 150 mm

- including:
- Base Module**, equipment cart, wide
  - Cover**, equipment cart, wide
  - Beam Package**, equipment cart, small
  - Shelf**, wide
  - 2x **Drawer Unit with Lock**, wide
  - 2x **Equipment Rail**, long
  - 2x **Mains Cord**, length 100 cm

**Components/Spare Parts** see chapter 9





UG 230

**Equipment Cart LC**, rides on 4 antistatic dual wheels equipped with locking brakes, energy beam with integrated electrical subdistributors with 6 sockets, grounding plugs,

Dimensions:

Equipment cart: 830 x 1474 x 730 mm (w x h x d),

Shelf: 630 x 25 x 510 mm (w x h x d),

Caster diameter: 125 mm

including:

**Base Module**, equipment cart LC

**Cover**, equipment cart LC

**Beam Package**, equipment cart LC

**Shelf**, wide

**Drawer Unit with Lock**, wide

**Camera Holder**

2x **Mains Cord**, length 100 cm

	<p>UG 540     <b>Monitor Swivel Arm</b>, height and side adjustable, can be mounted on the left or on the right side, swivel range 180°, reach 780 mm, from center 1170 mm, loading capacity max. 15 kg, with monitor mount VESA 75/100, for use with Equipment Carts UG xxx</p>
	<p>UG 530     <b>Swivel Arm</b>, for navigation camera, height and side adjustable, can be mounted on the left or on the right side, swivel range 180°, reach 880 mm, from center 1270 mm, loading capacity max. 1.5 kg, for use with Equipment Carts UG xxx and navigation camera</p>
	<p>UG 520     <b>Monitor Holding Arm</b>, long, height and side adjustable, tilting, swivel range up to 320°, reach 760 mm, loading capacity max. 15 kg, with monitor holder VESA 75/100, for use with Equipment Carts UG xxx</p>
	<p>UG 510     <b>Monitor Holding Arm</b>, height and side adjustable, tilting, can be mounted either on the left or on the right side, swivel range up to 320°, reach 530 mm, loading capacity max. 15 kg, with monitor holder VESA 75/100, for Equipment Carts UG xxx</p>
	<p>UG 500     <b>Monitor Holder</b>, height adjustable, swiveling and tilting, central mount, swivel range approx. 360°, loading capacity max. 18 kg, with monitor mount VESA 75/100, for use with Equipment Carts UG xxx</p>
	<p>UG 501     <b>Monitor Holder Adaptor</b>, for central mounting of monitor holding arms on the rear attachment points of the COR equipment carts UG xxx, for use with UG 500, UG 510 and UG 520</p>
	<p>UG 614     <b>Counter Balance Plate</b>, for improved stability when mounting a monitor holding arm, Dimensions: 356 x 6 x 478 mm (w x h x d), for use with Equipment Carts UG xxx</p>
	<p>UG 615     <b>Auxiliary Counter Balance Plate</b>, for improved stability when mounting a monitor holding arm, Dimensions: 290 x 6 x 478 mm (w x h x d), for use with Equipment Carts UG xxx</p>



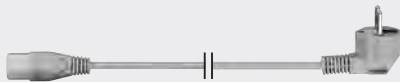
UG 310 **Isolation Transformer, 200 – 240 V, 2000 VA,** with 3 special mains socket, automatic cutout, 3 grounding plugs, Dimensions: 330 x 90 x 495 mm (w x h x d), for use with Equipment Carts UG xxx

UG 300 **Same, 100 – 120 V**



UG 410 **Earth Leakage Monitor, 200 – 240 V,** for mounting to equipment carts, control panel dimensions: 44 x 80 x 29 mm (w x h x d), for use with Isolation Transformer UG 310

UG 400 **Earth Leakage Monitor, 100 – 120 V,** for mounting to equipment carts, control panel dimensions: 44 x 80 x 29 mm (w x h x d), for use with Isolation Transformer UG 300



UG 700 **Mains Cord, with angled plug,** length 100 cm



20 0102 70 **Potential Equipotential Cable,** length 500 cm

20 0103 70 **Potential Equipotential Cable,** length 200 cm

20 0105 70 **Potential Equipotential Cable,** length 150 cm

20 0106 70 **Potential Equipotential Cable,** length 100 cm

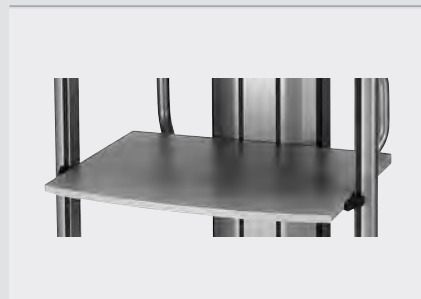


29005 PA-DR **Potential Equipotential Cable Set,** for equipment carts, for 5 units, including Potential Equipotential Cable 5x 20 0106 70, 1x 20 0105 70, 1x 20 0102 70, for use with COR equipment carts and Equipment Cart 29005 DRB/DRS



UG 605 **Keyboard Tray, narrow,** for mounting under narrow Shelf UG 603, load capacity max. 10 kg, Dimensions: 430 x 480 mm (w x d), for use with Equipment Carts UG xxx

UG 606 **Keyboard Tray, wide,** for mounting under wide Shelf UG 604, load capacity max. 10 kg, Dimensions: 630 x 480 mm (w x d), for use with Equipment Carts UG xxx



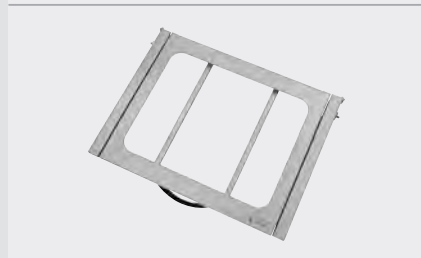
UG 603 **Shelf**, narrow, load capacity max. 60 kg, dimensions: 450 x 25 x 510 mm (w x h x d), for use with Equipment Carts UG xxx

UG 604 **Shelf**, wide, load capacity max. 60 kg, dimensions: 630 x 25 x 510 mm (w x h x d), for use with Equipment Carts UG xxx



UG 601 **Drawer Unit with Lock**, small, max. shelf load 60 kg, max. drawer load 5 kg, with cable slot, dimensions: 450 x 126 x 510 mm (w x h x d), for use with Equipment Carts UG xxx

UG 602 **Drawer Unit with Lock**, wide, max. shelf load 60 kg, max. drawer load 5 kg, with cable slot, dimensions: 630 x 126 x 510 mm (w x h x d), for use with Equipment Carts UG xxx



UG 610 **Sliding Tray Holder**, narrow, load capacity max. 10 kg, dimensions: 450 x 510 mm (w x d), for use with Equipment Carts UG xxx

UG 611 **Sliding Tray Holder**, wide, load capacity max. 10 kg, dimensions: 630 x 510 mm (w x d), for use with Equipment Carts UG xxx



UG 608 **Equipment Rail**, long, for mounting to side of equipment cart, dimensions: 300 x 25 x 10 mm (w x h x d), for Equipment Carts UG xxx

UG 607 **Equipment Rail**, short, for mounting to side of equipment cart, dimensions: 170 x 25 x 10 mm (w x h x d), for Equipment Carts UG xxx

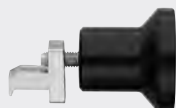


UG 619 **Cable Manager**, 2-piece, for mounting to vertical beam, package of 2, for use with Equipment Carts UG xxx



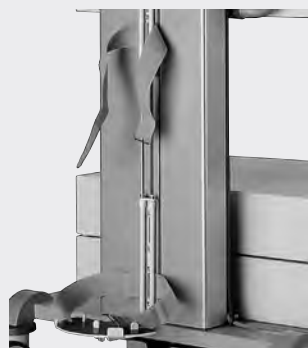
UG 612

**Camera Holder**, for mounting camera heads, with detachable inlays, compatible with all endoscopy cameras from KARL STORZ, for use with Equipment Carts UG xxx



UG 622

**Camera Holder, eyepiece**, for holding camera heads, compatible with all KARL STORZ endoscopy camera heads with standard eyepiece mounts, for use with Equipment Carts UG xxx



UG 609

**Bottle Holder**, for CO<sub>2</sub> bottles, max. diameter 210 mm, dimensions: 230 x 280 x 210 mm (w x h x d), for use with Equipment Carts UG xxx



UG 627

**Adaptor Plates, for twin CO<sub>2</sub> bottle holder**, for 2 CO<sub>2</sub> bottles in combination with 2x UG 609 Bottle Holder, max. diameter 210 mm, dimensions in mm (w x d): 1x 250 x 250 mm and 1x 250 x 150 mm, for use with Equipment Carts UG xxx including:

2x **Adaptor Plates**

10x **Counterscrews M6x12**

10x **Spring Nuts M6**



UG 623

**Multifunctional Holder**, 2-part, for mounting poles, diameter 25 mm, package of 2, for use with Equipment Carts UG xxx



UG 623L

**Multifunctional Holder**, long, 2-part, for mounting poles, diameter 25 mm, package of 2, for use with Equipment Carts UG xxx



UG 613

**Holder for Support Element**, for mounting Bottle Stand Holder 20 3000 33, for use with Equipment Carts UG xxx



29005 SKN

**Tube Clip**, to attach to suction and irrigation tubes, for mounting to equipment rails



UG 625

**IV Pole**, with 2 bottle hooks à 5 kg, length 130 cm, for use with Equipment Carts UG xxx

including:

**IV Pole**

**Multifunctional Holder**

UG 626

**Same**, height adjustable, length 118 – 203 cm



13991 ET

**Videoendoscope Holder**, for mounting to 2 equipment rails

including:

**Videoendoscope Holder**

**Drip Container**

13991 DET

**Double Videoendoscope Holder**, for mounting to 2 equipment rails

including:

**Double Videoendoscope Holder**

**2 Drip Containers**



29005 AVS

**Plug Receptacle for Videoendoscopes**, for mounting to Irrigator Rods 29003 S/SV as well as Videoendoscope Holders 13991 ET and 13991 DET, for use with equipment carts



UG 624

**Pump Holder**, for mounting suction pump UNIMAT® 30 25 3200 01 to equipment cart UG xxx



29005 DFH

**Footswitch Holder**, for two- and three-pedal footswitches, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Footswitches **20 0143 30**, **20 0154 30**, **20 0164 30**, **20 0166 30**, **20 0168 31**, **20 0178 30** and **20 0178 31**

29005 EFH

**Footswitch Holder**, for one-pedal footswitch, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Footswitches **20 0141 30**, **20 0142 30** and **20 0178 32**



UG 901

**Footswitch Holder**, for mounting to Equipment Rails UG 608 and 29003 GS, for use with One-Pedal HF Footswitch UF 901



UG 902

**Footswitch Holder**, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Two-Pedal HF Footswitch UF 902



29005 AK

**Wire Tray**, for accessories, for mounting to equipment rails, dimensions (w x h x d): 300 x 100 x 200 mm, for use with equipment carts

## E-Series

### Mobile Stands



**20 0200 81** **TROLL-E Mobile Stand**, rides on 4 antistatic dual wheels, 2 equipped with locking brakes, for mounting monitors with VESA 75/100 connection, integrated cable conduit in vertical beam, 1 shelf and cable manager, load capacity for monitor: max. 18 kg,  
Dimensions:  
Mobile stand: 670 x 1660 x 670 mm (w x h x d),  
Shelf: 455 x 350 mm (w x d),  
Caster diameter: 100 mm  
Trolley is delivered unassembled.

including:

**Subrack**, for mobile stand

**Beam Module**

**Shelf**



**20 0200 87** **SHORT-E HF Cart**, rides on 4 antistatic dual wheels, 2 equipped with locking brakes, integrated cable conduit in vertical beam, 1 HF shelf, for AUTOCON® III 400, with storage hook, cable manager, max. load capacity 51 kg,  
Dimensions:  
HF cart: 670 x 1020 x 670 mm (w x h x d),  
HF shelf: 405 x 452 mm (w x d),  
Caster diameter: 100 mm  
Trolley is delivered unassembled.

including:

**Subrack**, for mobile stand

**HF Shelf**

**Components/Spare Parts** see chapter 9



## E-Series

Mobile Stands



20 0200 62



20 0200 63

**20 0200 62** **Beam Module**, with integrated cable conduit in vertical beam and monitor holder for mounting monitors with VESA 75/100 connection, load capacity for monitor: max. 18 kg, dimensions: 140 x 750 x 260 mm (w x h x d), for use with subracks for Mobile Stands **20 0200 60** and **20 0200 61**

**20 0200 63** **Beam Module**, with standard tube, with integrated cable conduit in vertical beam and monitor holder for mounting monitors with VESA 75/100 connection, dimensions: 140 x 750 x 260 mm (w x h x d), for use with Subracks **20 0200 60** and **20 0200 61**



**20 0200 58** **Pump Cart**, for UNIMAT® 30 suction pump including:  
**Subrack**, for mobile stand  
**Accessory Set**  
**Pump Holder**  
**VACUSAFE Container Holder\***



**20 0200 59** **STOR-E® Transport Cart**, for the POINT SETTER holding arm including:  
**Mobile Stand**  
**Attachment Set**  
**Wire Basket**  
**Manual**








10-18



**Components/Spare Parts** see chapter 9

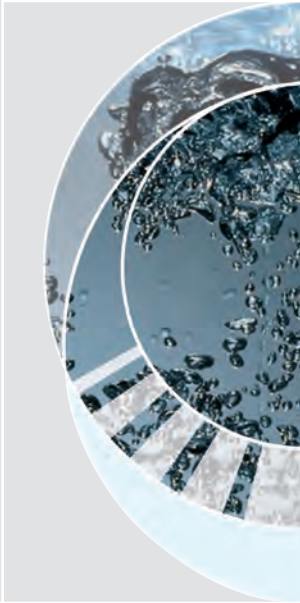
## E-Series

Accessories for mobile stands

	<p><b>20 0200 46</b> <b>Keyboard Shelf</b>, load capacity max. 5 kg, dimensions: 465 x 185 mm (w x d), including a holding arm, short, two spaces and two clamping screws, for use with Beam Module <b>20 0200 62</b></p>
	<p><b>20 0200 47</b> <b>Shelf</b>, incl. installation accessories, max. capacity 12 kg, dimensions: 490 x 395 mm (w x d), for use with subbracks for Mobile Stands <b>20 0200 60</b> and <b>20 0200 61</b></p>
	<p><b>20 0200 49</b> <b>Equipment Rail</b>, for mounting to central boom, incl. installation accessories, dimensions: 450 x 25 x 10 mm (w x h x d), for use with Subrack for Mobile Stands <b>20 0200 60</b> and <b>20 0200 61</b></p>
	<p><b>UG 901</b> <b>Footswitch Holder</b>, for mounting to Equipment Rails UG 608 and 29003 GS, for use with One-Pedal HF Footswitch UF 901</p>
	<p><b>UG 902</b> <b>Footswitch Holder</b>, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Two-Pedal HF Footswitch UF 902</p>
	<p><b>29005 DFH</b> <b>Footswitch Holder</b>, for two- and three-pedal footswitches, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Footswitches <b>20 0143 30</b>, <b>20 0154 30</b>, <b>20 0164 30</b>, <b>20 0166 30</b>, <b>20 0168 31</b>, <b>20 0178 30</b> and <b>20 0178 31</b></p> <p><b>29005 EFH</b> <b>Footswitch Holder</b>, for one-pedal footswitch, for mounting to Equipment Rails UG 608 and 29003 GS, for use with Footswitches <b>20 0141 30</b>, <b>20 0142 30</b> and <b>20 0178 32</b></p>
	<p><b>29005 AK</b> <b>Wire Tray</b>, for accessories, for mounting to equipment rails, dimensions (w x h x d): 300 x 100 x 200 mm, for use with equipment carts</p>



**EXTRACT FROM  
HYGIENE, MAINTENANCE,  
STERILIZATION, STORAGE  
SOLUTIONS**



- **CLEANING AND DISINFECTION**
- **MAINTENANCE**
- **STERILIZATION**
- **STORAGE SOLUTIONS**

### **Quality Standards during the Instrument Cycle**

Hygiene must be treated as an integral responsibility and a fundamental component of the entire health care process.

This principle begins with instrument design: in addition to technical solutions, effective cleaning, disinfection and sterilization represent the central factors in the development of all instruments.

The objective is to create a reusable instrument, the materials, design and quality of which allow preparation using a suitable process that takes all applicable norms and laws into consideration, while maintaining the full functionality of the instrument.

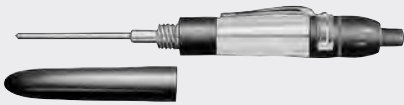
Optimal handling throughout the instrument cycle goes further still and complements the instrument with individually coordinated accessories for optimized storage during the entire process – from the operating theater to transportation to the central sterile supply department, right down to the individual preparation steps.

Intelligent storage systems cut handling expenses. A reduced amount of repacking guarantees maximum protection for the instruments, optimizes operating theater procedures and ensures the desired results of the preparation.

KARL STORZ achieves this objective by continuously developing new storage systems and improving existing ones according to the demands of medical professionals.



**CLEANING  
STERILIZATION AND MAINTENANCE  
STORAGE SOLUTIONS**



27655

**Oil Dropper**, for Instrument Oil



27656 S

**Oil Dropper**, for maintenance of instruments, silicone-free



27656 B

**Instrument Oil**, 50 ml, silicone-free



27657

**Special Lubricant**, for stopcocks



27661

**Cleaning Agent**, for distal or proximal lenses and fiber optic surface of endoscopes, content 5 g



10384 A **Cotton Applicator**, working length 50 cm  
 10384 B **Same**, working length 35 cm



10387 A **Sponge Holder**, with spring handle, working length 50 cm  
 10387 B **Same**, working length 35 cm



27662 **Grasping Forceps with serrated rubber jaws**, for carefully handling the instruments



39100 L **Opening Spring**, for SILCUT® and similar forceps



39105 A **Cleaning Adaptor**, for manual or machine cleaning of instruments without irrigation port from 1.5 to 5 mm diameter

39105 B **Cleaning Adaptor**, for manual or machine cleaning of instruments without irrigation port from 5 to 8 mm diameter



28166 LL

**Cleaning Adaptor**, for use with **ARTHROFORCE® TAKE-APART®** instruments



600007

**LUER-Lock Tube Connector**, male, tube diameter 6 mm



8295391

**Cleaning Adaptor**, for instruments with 10-speed coupling



28205 SAA

**Irrigation Adaptor**, for validated cleaning of outer blades



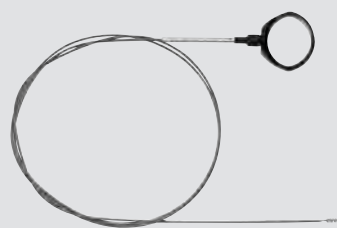
# Accessories for Maintenance and Cleaning



27652

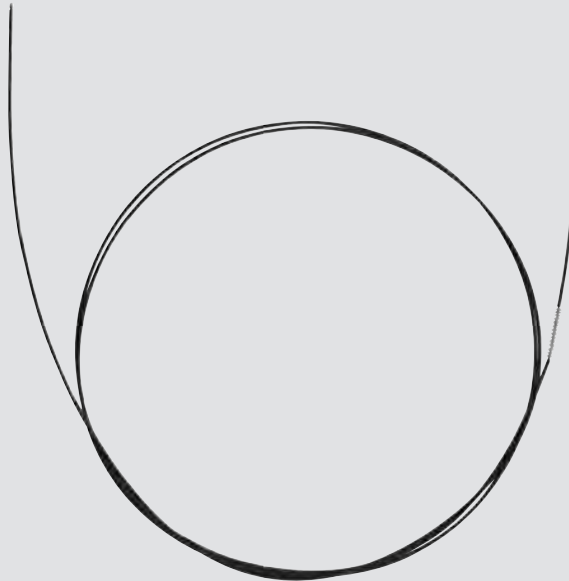


27650 A-G



27651 AK-UB

Art. No.	flat	round/rigid	round/ flexible	Length	Outer diameter	Channel diameter	Notes
27652	●	-	-	-	-	-	for cleaning the jaws
27648 A	-	●	-	55 cm	16 mm	4 – 14 mm	
27650 A	-	●	-	35 cm	11 mm	3 – 9 mm	
27650 B	-	●	-	35 cm	7 mm	2.5 – 5 mm	
27650 C	-	●	-	35 cm	2.5 mm	2 – 2.4 mm	
27650 D	-	●	-	50 cm	11 mm	3 – 9 mm	
27650 E	-	●	-	50 cm	7 mm	2.5 – 5 mm	
27650 F	-	●	-	50 cm	2.5 mm	2 – 2.4 mm	
27650 G	-	●	-	50 cm	2.5 mm	-	for <b>CLICK'line</b> <sup>®</sup> and RoBi <sup>®</sup>
27651 AK	-	-	●	75 cm	2 mm	1.2 – 1.8 mm	
27651 AL	-	-	●	150 cm	2 mm	1.2 – 1.8 mm	
60651 BL	-	-	●	120 cm	2 mm	1.6 – 2.3 mm	
27651 B	-	-	●	100 cm	3 mm	1.8 – 2.6 mm	
27651 C	-	-	●	230 cm	4 mm	2.4 – 3.6 mm	
27651 E	-	-	●	350 cm	4 mm	2.4 – 3.6 mm	
27651 F	-	-	●	180 cm	2.5 mm	1.4 – 2.3 mm	
27651 G	-	-	●	180 cm	3 mm	1.8 – 2.6 mm	
27651 H	-	-	●	230 cm	5 mm	2.2 – 4.6 mm	
27651 I	-	-	●	270 cm	5 mm	2.2 – 4.6 mm	
27651 UA	-	-	●	60 cm	2 mm	1.4 – 1.8 mm	
27651 UB	-	-	●	60 cm	2.2 mm	0.8 – 2 mm	
60651 LL	-	-	●	350 cm	5 mm	2.2 – 4.6 mm	
60652 LL	-	-	●	400 cm	5 mm	2.2 – 4.6 mm	
27651 K1	-	-	●	40 cm	-	0.4 – 0.6 mm	for single use, 10 pcs.
27651 K2	-	-	●	40 cm	-	0.6 – 0.8 mm	for single use, 10 pcs.
27651 K3	-	-	●	40 cm	-	0.8 – 1.4 mm	for single use, 10 pcs.
27651 K4	-	-	●	30 cm	-	0.2 – 0.25 mm	for single use, 10 pcs.
27651 K5	-	-	●	40 cm	-	0.25 – 0.4 mm	for single use, 10 pcs.



110930-50

### Cleaning Brushes, for working channel sizes 1.2 – 1.5 mm:

- 110930-50\* **Cleaning Brush**, length 90 cm, brush diameter 1.7 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 1.2 – 1.5 mm
- 110931-50\* **Same**, length 125 cm
- 110932-50\* **Same**, length 200 cm

### Cleaning Brushes, for working channel sizes 2 – 2.3 mm:

- 110940-50\* **Cleaning Brush**, with double-sided brush, length 90 cm, brush diameter 2.6 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2 – 2.3 mm
- 110941-50\* **Same**, length 120 cm
- 110942-50\* **Same**, length 160 cm

### Cleaning Brushes, for working channel sizes 2.6 – 3 mm:

- 110950-50\* **Cleaning Brush**, with double-sided brush, length 120 cm, brush diameter 3.2 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 2.6 – 3 mm
- 110951-50\* **Same**, length 165 cm
- 110952-50\* **Same**, length 250 cm

### Cleaning Brushes, for working channel sizes 3.2 – 4.2 mm:

- 110960-50\* **Cleaning Brush**, with double-sided brush, length 140 cm, brush diameter 4.5 mm, unsterile, for single use, package of 50, for use with flexible endoscopes with working channel diameters 3.2 – 4.2 mm
- 110961-50\* **Same**, length 190 cm
- 110962-50\* **Same**, length 230 cm





27660

27660

**Cleaning Pistols Set, autoclavable**, for fast and easy rinsing or drying of instruments, attachable to standard hospital 3/4" water or compressed air connections, with fabric tube, including Cleaning Attachments 27660 A – H and wall support



27660 P

**Cleaning Pistol, only, autoclavable**, with fibrous tubing, without accessories

### Cleaning Attachments, for use with Cleaning Pistol 27660 P



27660 A

**Attachment**, for cannulas



27660 B

**Attachment**, for channels



27660 C

**Attachment**, for valves



27660 D

**Attachment**, for tubes



27660 E

**Attachment**, for LUER connectors



27660 F

**Attachment**, for surfaces and hollow spaces



27660 G

**Attachment**, for surfaces and hollow spaces



27660 H

**Attachment**, as water jet pump for suction of corners and hollow spaces

# Cases for Cleaning and Disinfection

Plastic Basins for cleaning and disinfection solutions



- 27645      **Disinfection System**, for use with fiberscopes, external dimensions (w x d x h): 503 x 186 x 132 mm including:  
**Soak Basin**  
**Perforated Storage Tray**  
**Lid**
- 27646      **Disinfection System**, for use with fiberscopes, external dimensions (w x d x h): 740 x 220 x 132 mm including:  
**Soak Basin**  
**Perforated Storage Tray**  
**Lid**
- 27647 V    **Disinfection System**, for use with fiberscopes, external dimensions (w x d x h): 594 x 381 x 141 mm including:  
**Soak Basin**  
**Perforated Storage Tray**  
**Lid**

**Please note:**

- Instruments must be disassembled and cleaned prior to disinfection. To disinfect, immerse instrument completely in solution.
- Follow manufacturer's instructions regarding time period for soaking and solution density.
- To wash out instruments, remove perforated storage tray from the disinfectant solution and rinse instruments thoroughly with sterile or desalinated water in a second basin.
- Tilt basin gently to remove air bubbles during disinfection.

# Cases for Cleaning and Disinfection

Plastic Basins for cleaning and disinfection  
of flexible fiber- and videoendoscopes



60647 V

**Cleaning and Disinfection Basin**, for the manual cleaning and disinfection of videoendoscopes, 30 l, with drain tap, external dimensions (w x d x h): 615 x 400 x 220 mm

including:

**Soak Basin**

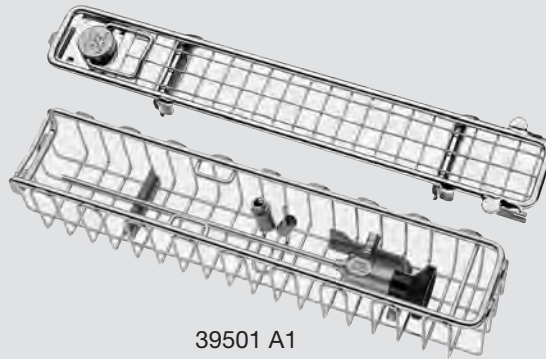
**Perforated Storage Tray**

**Lid**

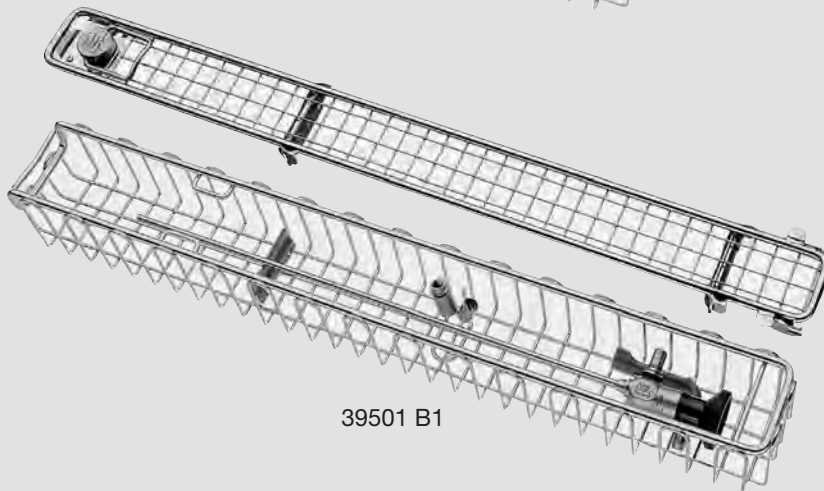
# Wire Trays for Cleaning, Sterilization and Storage of Endoscopes

For safe storage of telescopes during transport and machine cleaning. For sterile storage the trays may either be wrapped individually or put into a container.

The trays may be used for sterilization with steam, gas or plasma.



39501 A1

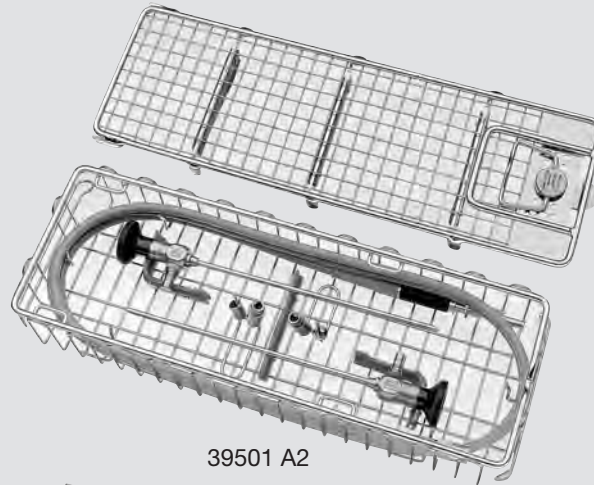


39501 B1

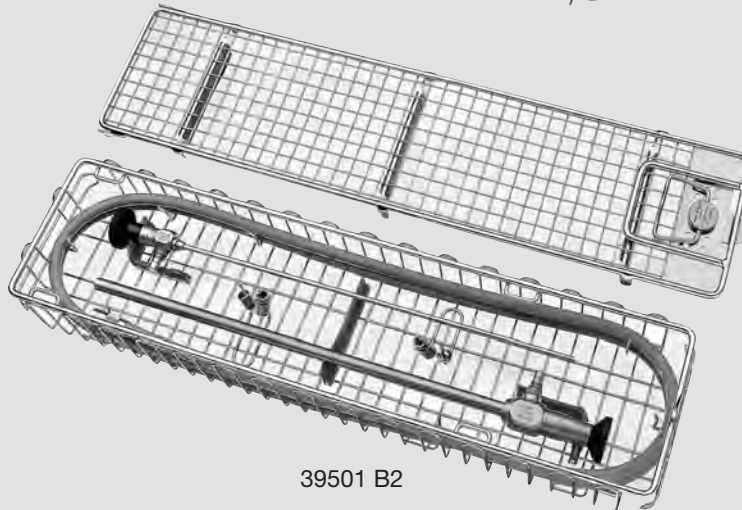
- 39501 A1 **Wire Tray for Cleaning, Sterilization and Storage** of one rigid endoscope, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 290 x 60 x 52 mm, for rigid endoscopes up to diameter 5 mm and working length 20 cm
- 39501 B1 **Wire Tray for Cleaning, Sterilization and Storage** of one rigid endoscope, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 430 x 65 x 52 mm, for rigid endoscopes up to diameter 10 mm and working length 34 cm
- 39501 C **Wire Tray for Cleaning, Sterilization and Storage** of one rigid endoscope, with silicone telescope holder and lid, external dimensions (w x d x h): 670 x 80 x 52 mm, for telescopes for bronchoscopy and esophagoscopy

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

# Wire Trays for Cleaning, Sterilization and Storage of Endoscopes



39501 A2

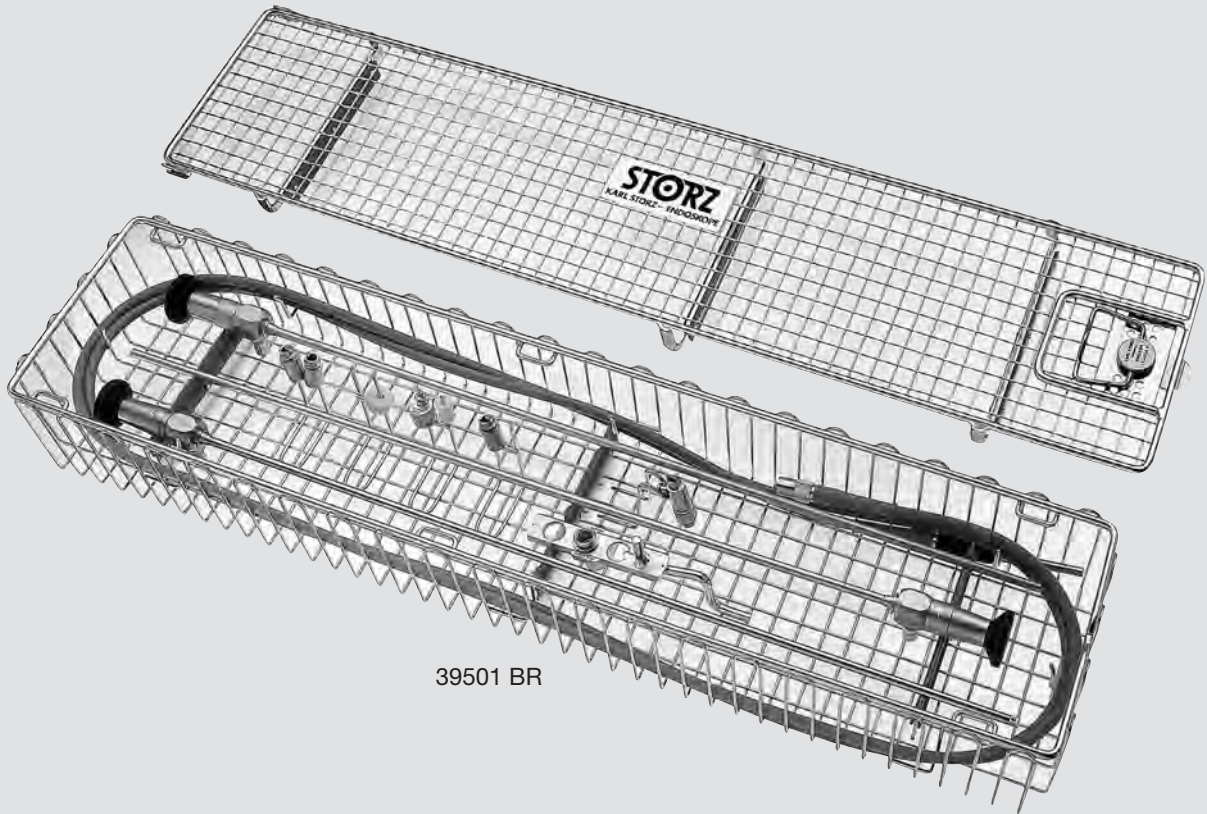


39501 B2

- 39501 A2 **Wire Tray for Cleaning, Sterilization and Storage** of two rigid endoscopes and one light cable, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 352 x 125 x 54 mm, for rigid endoscopes up to diameter 10 mm and working length 20 cm
- 39501 B2 **Wire Tray for Cleaning, Sterilization and Storage** of two rigid endoscopes and one light cable, including holder for light post adaptors, silicone telescope holders and lid, external dimensions (w x d x h): 487 x 125 x 54 mm, for rigid endoscopes up to diameter 10 mm and working length 34 cm

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

# Wire Trays for Cleaning, Sterilization and Storage of Endoscopes and Instruments



39501 BR

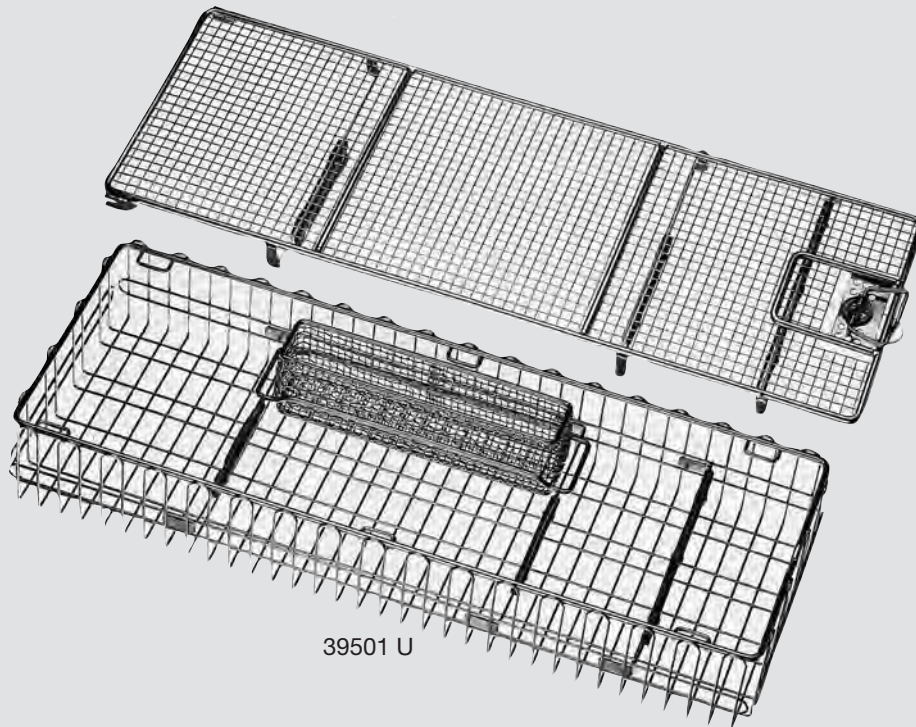
39501 BR

**Wire Tray for Cleaning, Sterilization and Storage** of telescopes and accessories for bronchoscopy, including silicone telescope holders and lid, external dimensions (w x d x h): 622 x 150 x 78 mm

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



# Wire Trays for Cleaning, Sterilization and Storage of Endoscopes and Instruments



39501 U

39501 U

**Wire Tray for Cleaning, Sterilization and Storage** of telescopes and instruments, with silicone telescope holders, tray for small parts and lid, external dimensions (w x d x h): 510 x 185 x 82 mm, for angled telescopes and uretero-renoscopes up to working length 34 cm

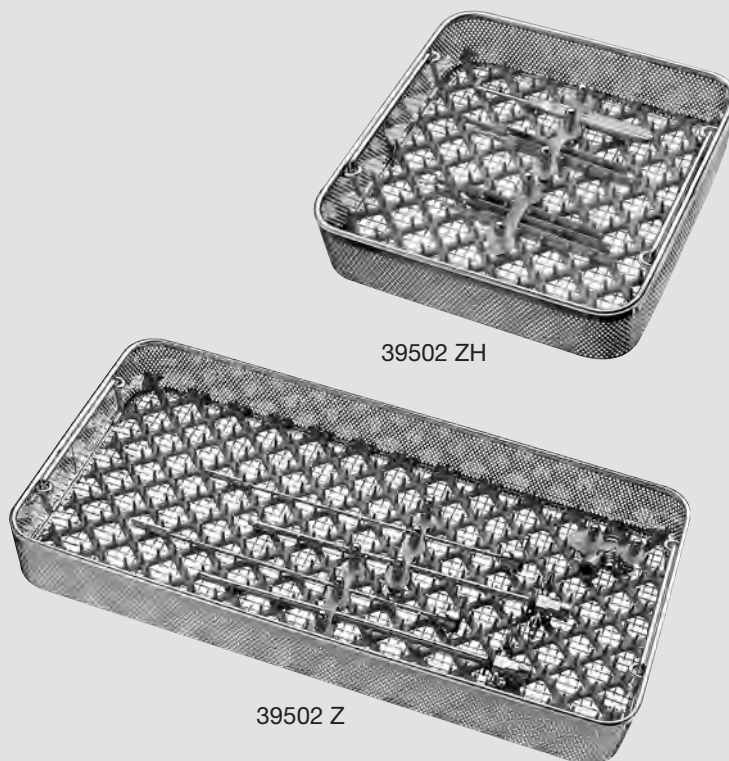
39501 V

**Wire Tray for Cleaning, Sterilization and Storage** of telescopes and instruments, with silicone telescope holders, tray for small parts and lid, external dimensions (w x d x h): 608 x 185 x 82 mm, for angled telescopes and uretero-renoscopes up to working length 43 cm

# Wire Trays for Cleaning, Sterilization and Storage of Instruments

## Components of modular processing systems

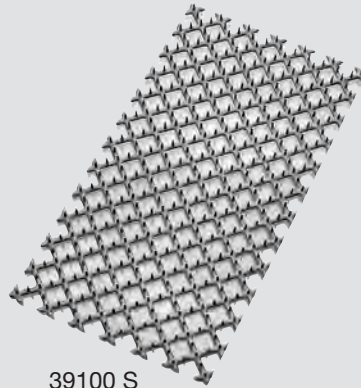
- Trays made from electropolished stainless steel mesh wire 39502 XH/X or with hole plate walls 39502 ZH/Z/ZL
- Wide-mesh silicone knob mats **DIAMOND** and/or **LARGE DIAMOND** 39100 S/SH/SL/SHS
- Fixation Pin 39100 PS for screwing instruments into position
- Silicone Tie-Downs 39360 AS
- The modular processing system can be ideally combined with Instrument Racks 39219 XV/XU



**Standard Wire Trays for Cleaning, Sterilization and Storage** of instruments, mesh wire or hole plate walls, stackable and foldaway handles

Wire Tray	External Dimensions (w x d x h)	Special Features	Suitable for
39502 XH	240 x 250 x 50 mm	mesh wire	div. instruments
39502 ZH	240 x 250 x 66 mm	hole plate wall	div. instruments
39502 X	480 x 250 x 50 mm	mesh wire	div. instruments
39502 Z	480 x 250 x 66 mm	hole plate wall	div. instruments
39502 ZL	535 x 250 x 66 mm	hole plate wall	div. instruments

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



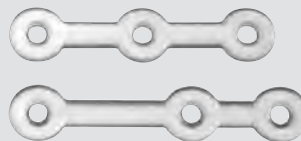
39100 S

- 39100 S     **Silicone Grid Insert LARGE DIAMOND GRID**, blue, extra wide meshed, for the storage of instruments in standard wire trays, plastic and sterilization containers, external dimensions (w x d): 470 x 240 mm
- 39100 SH    **Same**, external dimensions (w x d): 230 x 240 mm
- 39100 SL    **Same**, external dimensions (w x d): 530 x 240 mm
- 39100 SHS   **Silicone Grid Insert SMALL DIAMOND GRID**, blue, wide meshed, for the storage of instruments in standard wire trays, plastic and sterilization containers, external dimensions (w x d): 230 x 240 mm



39100 PS

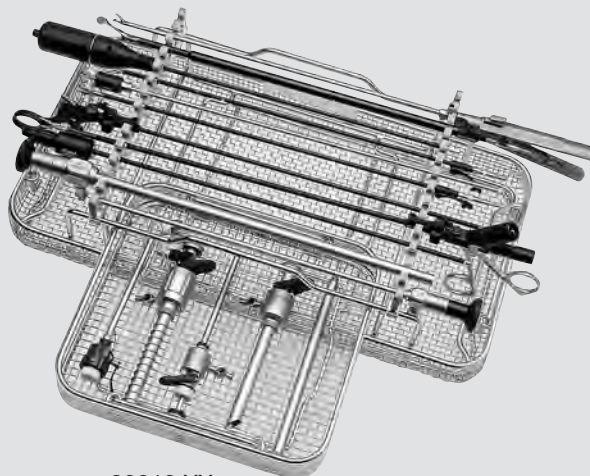
- 39100 PS     **Fixation Pin**, including screw and washer, to screw instruments into position in wire trays, height 38 mm, package of 12, for use with Silicone Tie-Downs 39360 AS



39360 AS

- 39360 AS     **Silicone Tie-Downs**, package of 12, for use with Fixation Pins 39100 PS and 39360 AP

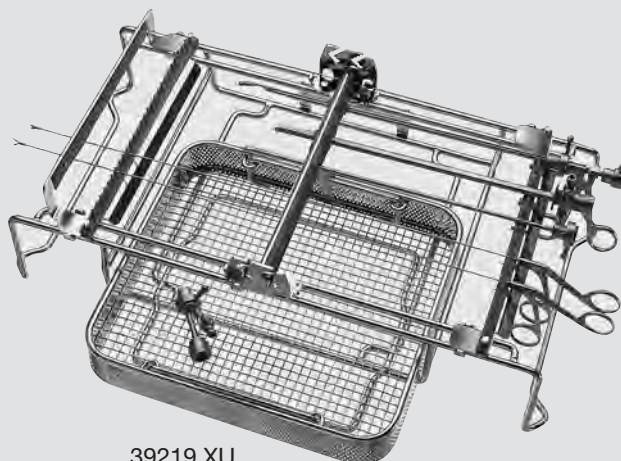
7-974



39219 XX

39219 XX **Instrument Rack for Cleaning, Sterilization and Storage** of up to 14 instruments with diameter 2.5 to 10 mm, incl. variable bars with silicone holders, rack with Tray 39502 V for drawer and Wire Tray 39502 X, external dimensions (w x d x h): 480 x 250 x 125 mm

39219 XV **Instrument Rack for Cleaning, Sterilization and Storage** of up to 14 instruments with diameter 2.5 to 10 mm, incl. variable bars with silicone holders, rack with Tray 39502 V for drawer and Wire Tray 39502 X, for use with standard wire trays, external dimensions (w x d x h): 463 x 238 x 125 mm



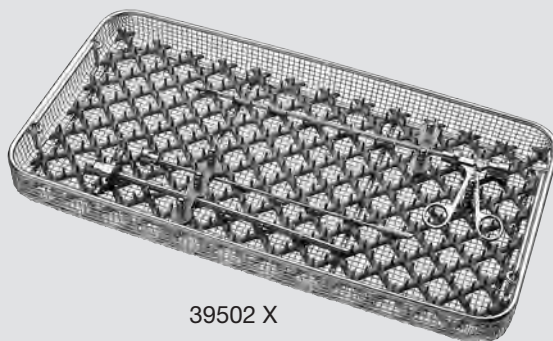
39219 XU

39219 XU **Universal Instrument Rack with Silicone Holders and Tie-Downs,** with Tray 39502 V as drawer, for storage of instrument sets, for use with standard wire trays, external dimensions (w x d x h): 460 x 233 x 145 mm

**Please note:** The instruments displayed are not included in the instrument racks.

# Wire Trays for Cleaning, Sterilization and Storage of Instruments

Modular processing system: Possible set combinations

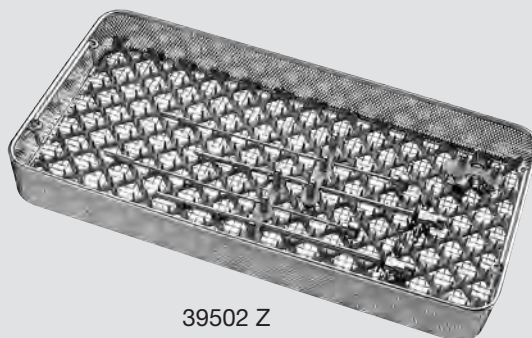


39502 X

## Set 1

- 39502 X **Wire Tray, stackable, mesh wire**
- 39502 L **Lid**
- 39100 S **Silicone Grid Insert**
- 39100 PS **Fixation Pin, package of 12**
- 39360 AS **Silicone Tie-Downs, package of 12**

Can be combined with 39219 XV or 39219 XU  
(cannot be used with Lid 39502 L)



39502 Z

## Set 2

- 39502 Z **Wire Tray, stackable, with hole plates**
- 39502 L **Lid**
- 39100 S **Silicone Grid Insert**
- 39100 PS **Fixation Pin, package of 12**
- 39360 AS **Silicone Tie-Downs, package of 12**

Can be combined with 39219 XV or 39219 XU  
(cannot be used with Lid 39502 L)

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

# Wire Trays for Cleaning, Sterilization and Storage of Instruments

Modular processing system: Possible set combinations



39502 XH

## Set 1B

- 39502 XH **Wire Tray, stackable, mesh wire**
- 39502 LH **Lid**
- 39100 SH **Silicone Grid Insert**
- 39100 PS **Fixation Pin, package of 12**
- 39360 AS **Silicone Tie-Downs, package of 12**



39502 ZH

## Set 2B

- 39502 ZH **Wire Tray, stackable, with hole plates**
- 39502 LH **Lid**
- 39100 SH **Silicone Grid Insert**
- 39100 PS **Fixation Pin, package of 12**
- 39360 AS **Silicone Tie-Downs, package of 12**

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

# Wire Trays for Cleaning, Sterilization and Storage of Instruments

## Optional Accessories



39502 V

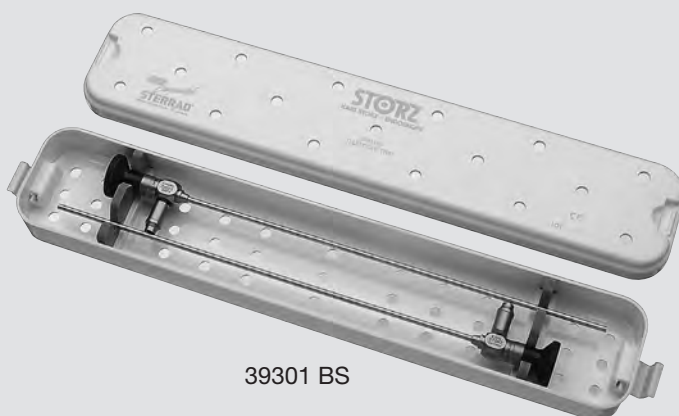
39502 V

**Wire Tray for Cleaning, Sterilization and Storage** of instruments, with hole plate walls and foldaway handles, external dimensions (w x d x h): 228 x 248 x 45 mm

# Plastic Containers for Sterilization and Storage of Endoscopes

Plastic container with silicone telescope holders for secure fixation of rigid endoscopes during sterilization and storage.

The plastic containers are suitable for steam, gas or hydrogen peroxide (Sterrad®) sterilization.



- NEW** 39301 AS **Plastic Container for Sterilization**, suitable for steam, gas, and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with two rigid endoscopes up to max. 20 cm working length, external dimensions (w x d x h): 321 x 90 x 45 mm
- NEW** 39301 BS **Plastic Container for Sterilization**, especially suited for hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with two rigid endoscopes up to max. 32 cm working length, external dimensions (w x d x h): 446 x 90 x 45 mm
- NEW** 39301 CS **Plastic Container for Sterilization**, suitable for steam, gas, and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with two rigid endoscopes with a working length of over 34 cm, external dimensions (w x d x h): 520 x 90 x 45 mm
- 39301 D **Plastic Container for Sterilization and Storage of Endoscopes**, perforated, with transparent lid, with silicone telescope holder, external dimensions: (w x d x h): 670 x 116 x 80 mm

**Please note:** The instruments displayed are not included in the plastic containers.



# Plastic Containers for Sterilization and Storage of Endoscopes

Plastic container with transparent lid and silicone telescope holders for secure fixation of rigid endoscopes during sterilization and storage. The plastic containers

are suitable for steam, gas or hydrogen peroxide sterilization.



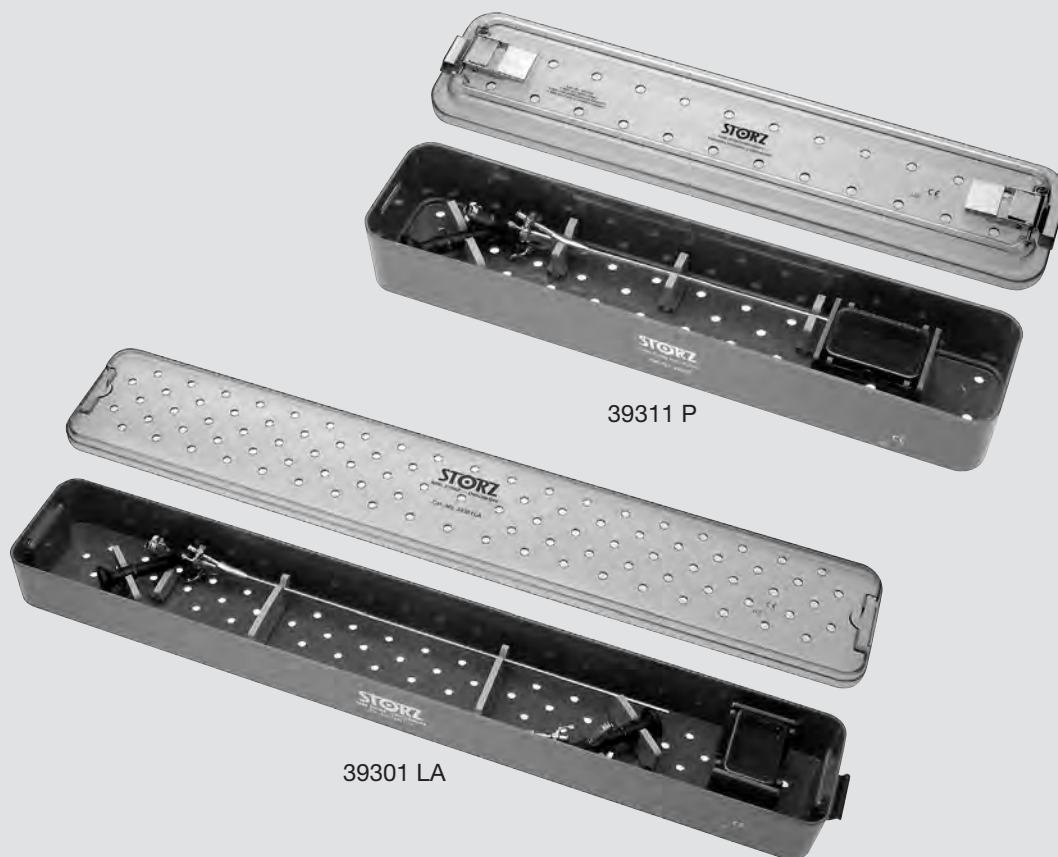
39314 G

39314 G

**Plastic Container for Sterilization and Storage of Endoscopes,** with angled eyepiece, perforated, with transparent lid, with inserts for two angled telescopes of up to 10 mm, external dimensions (w x d x h): 520 x 250 x 84 mm

**Please note:** The instruments displayed are not included in the plastic container.

# Plastic Containers for Sterilization and Storage of Endoscopes



39311 P

39301 LA

- 39311 P **Plastic Container for Sterilization and Storage,** with silicone holders and box for small parts, for use with 1 uretero-renoscope of up to 34 cm working length, external dimensions (w x d x h): 510 x 115 x 90 mm
- 39301 LA **Plastic Container for Sterilization and Storage,** with silicone holders and box for small parts, for use with 2 uretero-renoscopes with angled eyepiece of up to 45 cm working length, external dimensions (w x d x h): 812 x 113 x 82 mm

**Please note:** The instruments displayed are not included in the plastic containers.

# Plastic Containers for Sterilization and Storage of Endoscopes



39401 AS



39402 AS

39401 AS **Plastic Container for Sterilization**, specially suited for gas and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with flexible endoscopes up to max. 39 cm working length, external dimensions (w x d x h): 690 x 170 x 92 mm

39402 AS **Plastic Container for Sterilization**, specially suited for gas and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with flexible endoscopes up to max. 95 cm working length, external dimensions (w x d x h): 550 x 260 x 92 mm

**Please note:**

Fiberscopes stored in these containers can only be sterilized with gas or plasma. The instruments displayed are not included in the plastic containers.

# Plastic Containers for Sterilization and Storage of Endoscopes



39403 AS



39405 AS

39403 AS **Plastic Container for Sterilization**, specially suited for gas and hydrogen peroxide (Sterrad®) sterilization and storage, perforated, with lid, for use with flexible video cysto-, rhino- and bronchoscopes, external dimensions (w x d x h): 550 x 260 x 90 mm

39405 AS **Plastic Container for Flexible Endoscopes**, suitable for gas and hydrogen peroxide (Sterrad®) sterilization and storage, external dimensions (w x d x h): 550 x 260 x 90 mm, for use with one flexible endoscope

**Please note:** The instruments displayed are not included in the plastic containers.

# Plastic Containers for Sterilization and Storage of Camera Heads



39301 Z3TS

- 39301 ACTS **Plastic Container for Sterilization and Storage** of camera heads IMAGE1, TRICAM® and TELECAM, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 HCTS **Plastic Container for Sterilization and Storage** of HD camera heads, suitable for steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 Z3TS **Plastic Container for Sterilization and Storage** of camera heads IMAGE1 S™ H3-Z, H3-ZA and H3-Z FI as well as IMAGE 1 H3-Z, H3-ZA, H3-FA and H3-Z FI, **autoclavable**, suitable for use with steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm
- 39301 PHTS **Plastic Container for Sterilization and Storage** of camera heads IMAGE1 S™ H3-P and H3-ZI as well as IMAGE1 H3-P and H3-ZI, **autoclavable**, suitable for use with steam, gas, and hydrogen peroxide sterilization, Sterrad® compatible, external dimensions (w x d x h): 385 x 255 x 75 mm

**Please note:** The instruments displayed are not included in the plastic containers.

# Plastic Containers for Sterilization and Storage of Instruments

Plastic container with transparent lid, or secure fixation of instruments during sterilization and storage.

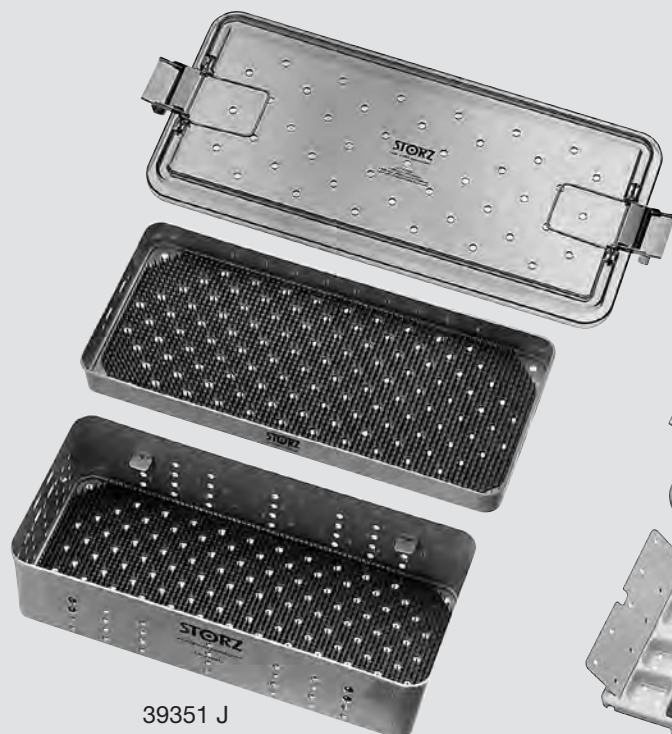
The plastic containers may be used for sterilization with steam, gas or hydrogen peroxide sterilization.



39301 H

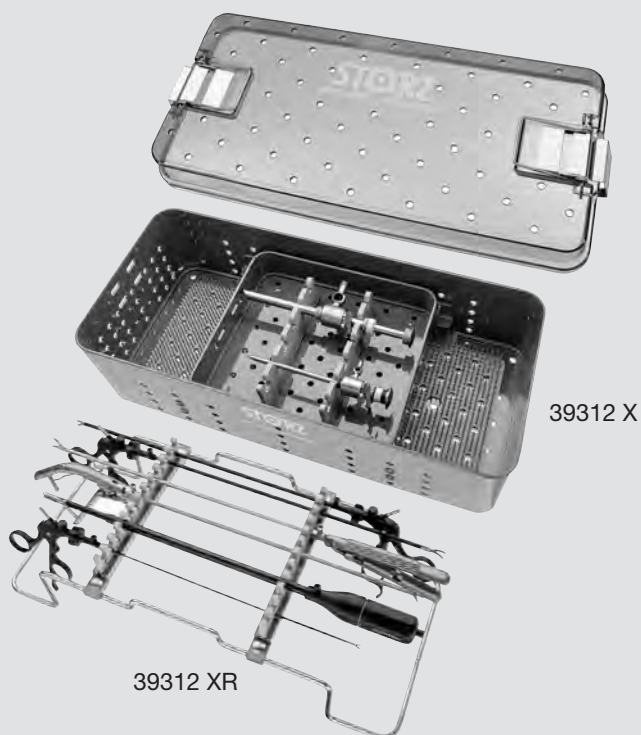
- 39301 F **Plastic Container for Sterilization and Storage,** perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 260 x 233 x 65 mm
- 39301 G **Plastic Container for Sterilization and Storage,** perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 503 x 112 x 46 mm
- 39301 H **Plastic Container for Sterilization and Storage,** perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 515 x 237 x 64 mm
- 39301 J **Plastic Container for Sterilization and Storage,** perforated, with transparent lid, with silicone mat, external dimensions (w x d x h): 532 x 252 x 141 mm

# Plastic Containers for Sterilization and Storage of Instruments



- 39351 J **Plastic Container for Sterilization and Storage**, perforated, with transparent lid, with silicone mat, **for two-level storage**, for use with 16 forceps and 8 instruments, external dimensions (w x d x h): 530 x 250 x 145 mm
- 27717 A **Plastic Container for Sterilization and Storage**, perforated, with transparent lid and silicone mat, **for two-level storage**, external dimensions (w x d x h): 543 x 255 x 112 mm

# Plastic Containers for Sterilization and Storage of Instruments



- 39312 X **Plastic Container for Sterilization and Storage**, with removable Instrument Rack 39312 XR and insert tray for storage of up to 12 instruments with diameter 2.5 to 10 mm and up to 6 trocars, perforated, with transparent lid, external dimensions (w x d x h): 532 x 254 x 165 mm
- 39312 XR **Instrument Rack for Storage** of up to 12 instruments with diameter 2.5 to 10 mm, including 2 bars with silicone holders

**Please note:** The instruments displayed are not included in the plastic container.

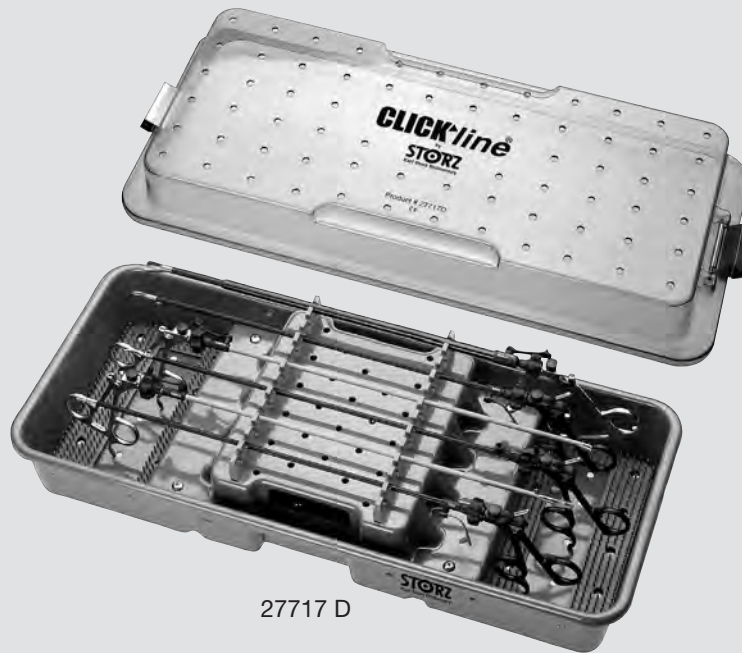




39312 B

39312 B **Plastic Container for Sterilization and Storage,** perforated, with transparent lid and silicone mat, for use with up to 15 instruments with working length up to 43 cm, external dimensions (w x d x h): 680 x 325 x 155 mm

# Plastic Containers for Sterilization and Storage of Instruments



27717 D

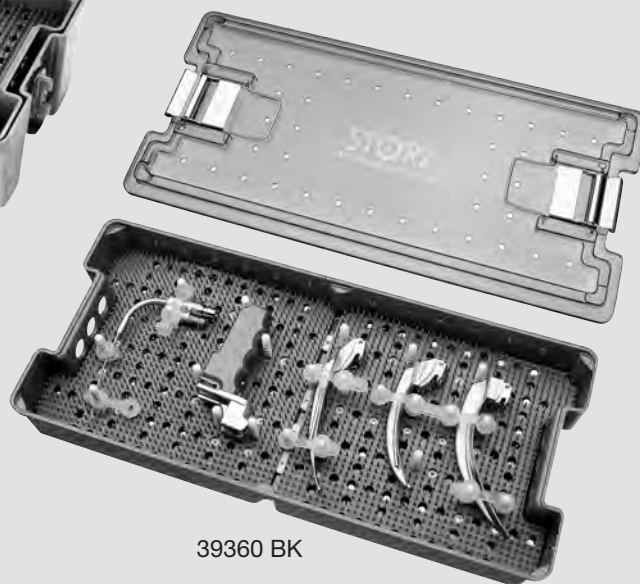
27717 D **Plastic Container for Sterilization and Storage,** perforated, with transparent lid, for use with 12 **CLICK'line** instruments with working length up to 36 cm, external dimensions (w x d x h): 585 x 255 x 145 mm

**Please note:** The instruments displayed are not included in the plastic container.

# Plastic Containers for Sterilization and Storage of Instruments



39360 AK



39360 BK

39360 AK **Plastic Container for Sterilization and Storage of Variable Instrument Sets**, perforated, with transparent lid, with silicone mat, **two-level storage**, (1 additional insert), external dimensions (w x d x h): 545 x 260 x 115 mm including:

2x **Snap-in Clip**, package of 12

2x **Silicone Tie-Downs**, package of 12

**Tool**

39360 BK **Plastic Container for Sterilization and Storage of Variable Instrument Sets**, perforated, with transparent lid, with silicone mat, **single-level storage**, (1 additional insert), external dimensions (w x d x h): 525 x 240 x 70 mm including:

**Snap-in Clip**, package of 12

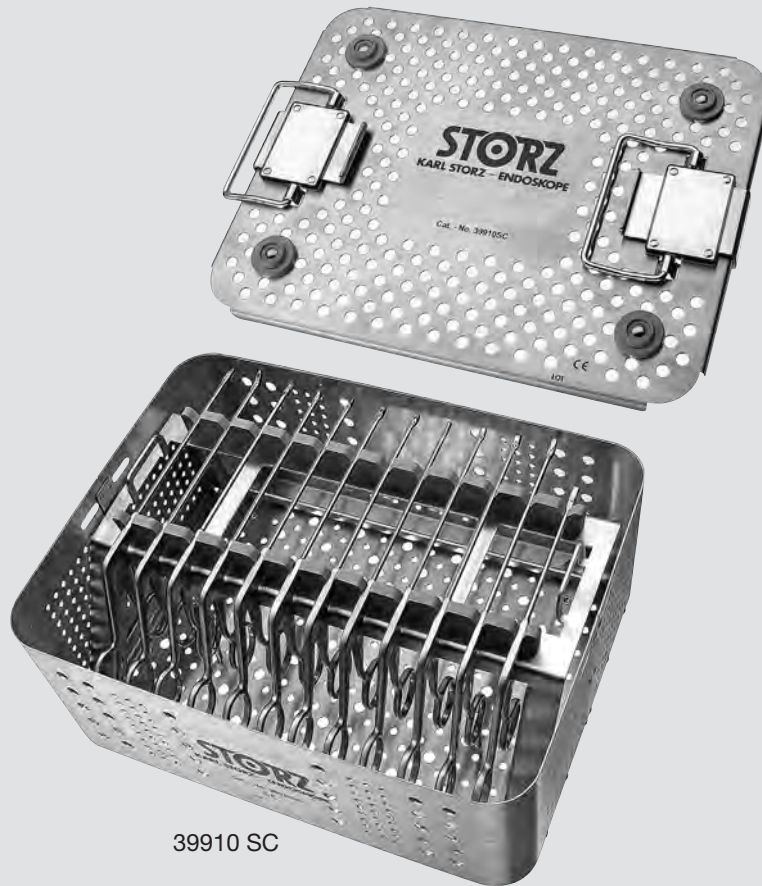
**Silicone Tie-Downs**, package of 12

**Tool**

**Components** see pages CL 46-CL 53

**Please note:** The instruments displayed are not included in the plastic containers.

# Stainless Steel Tray for Sterilization and Storage of Instruments



39910 SC

39910 SC

**Stainless Steel Tray for Sterilization, Storage and Transport** of up to 12 SILCUT® or RHINOFORCE® forceps, with lid, latches and handles, removable rack with double silicone holders for max. 12 instruments, external dimensions (w x d x h): 340 x 250 x 145 mm

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

# Sterilization Container with MicroStop® System for Sterilization and Sterile Storage

**Special Features:**

- Cost-effective, time-saving and eco-friendly
- Ergonomic, standardized and stackable
- MicroStop® microbiological barrier with a separation efficiency of 99.99997%
- Secure safety lock with seal slot



39740 A2

**Sterilization Container**, with MicroStop® microbiological barrier, for sterilization and sterile storage

including :

**Base**

**Lid**

**MicroStop® Microbiological Barrier**

Container	Base	Lid	Micro-biological Barrier	External Dimensions (w x d x h)	Inner Dimensions (w x d x h)
<b>39740 A2</b>	39740 AB2	39745 AA2	39760 A2	300 x 300 x 110 mm	262 x 267 x 88 mm
<b>39741 A2</b>	39741 AB2	39745 AA2	39760 A2	300 x 300 x 140 mm	262 x 267 x 113 mm
<b>39742 A2</b>	39742 AB2	39745 AA2	39760 A2	300 x 300 x 160 mm	262 x 267 x 138 mm
<b>39743 A2</b>	39743 AB2	39745 AA2	39760 A2	300 x 300 x 210 mm	262 x 267 x 186 mm

# Sterilization Container with MicroStop® System for Sterilization and Sterile Storage

**Special Features:**

- Cost-effective, time-saving and eco-friendly
- Ergonomic, standardized and stackable
- MicroStop® microbiological barrier with a separation efficiency of 99.99997%
- Secure safety lock with seal slot



39750 A2

**Sterilization Container**, with MicroStop® microbiological barrier, for sterilization and sterile storage

including:

**Base**

**Lid**

**MicroStop® Microbiological Barrier**

Container	Base	Lid	Micro-biological Barrier	External Dimensions (w x d x h)	Inner Dimensions (w x d x h)
<b>39750 A2</b>	39750 AB2	39755 AA2	39760 A2	600 x 300 x 110 mm	548 x 267 x 88 mm
<b>39751 A2</b>	39751 AB2	39755 AA2	39760 A2	600 x 300 x 140 mm	548 x 267 x 113 mm
<b>39752 A2</b>	39752 AB2	39755 AA2	39760 A2	600 x 300 x 160 mm	548 x 267 x 138 mm
<b>39753 A2</b>	39753 AB2	39755 AA2	39760 A2	600 x 300 x 210 mm	548 x 267 x 186 mm

# Accessories for Sterilization Container with MicroStop® System for Sterilization and Sterile Storage

## Coding Labels



39763 B2

- 39763 A2     **Coding Label**, inscribed
- 39763 B2     **Coding Label**, blank

## Color Tabs



39762 C2

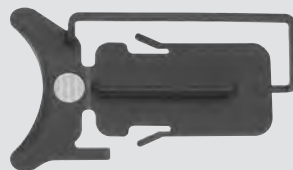
Art. No.	Designation	Color
39762 A2	Color Tab	black
39762 C2	Color Tab	red
39762 D2	Color Tab	blue
39762 E2	Color Tab	green
39762 F2	Color Tab	yellow
39762 G2	Color Tab	violet
39762 H2	Color Tab	orange
39762 I2	Color Tab	grey

## Optional Accessories



39763 E

- 39763 E     **Log Labels**, self-adhesive, package of 1000



39763 PB

- 39763 PA     **Seal**, without indicator, package of 1000
- 39763 PB     **Seal**, with indicator, package of 1000

# Accessories for Sterilization Container with MicroStop® System for Sterilization and Sterile Storage



39780 A

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

**Base**

**Lid**

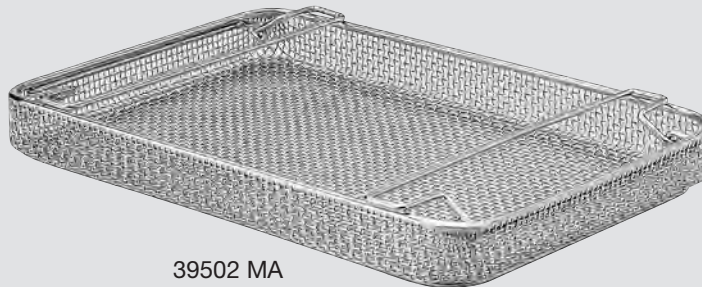
**MicroStop® Microbiological Barrier**

39781 A **MiniSet Container**, with MicroStop®, for sterilization and sterile storage, external dimensions (w x d x h): 310 x 189 x 90 mm, internal dimensions (w x d x h): 283 x 177 x 58 mm including:

**Base**

**Lid**

**MicroStop® Microbiological Barrier**



39502 MA

39502 MA **Wire Tray for MiniSet Container for Cleaning, Sterilization and Storage** of instruments, external dimensions (w x d x h): 260 x 165 x 28 mm

39502 MB **Wire Tray for MiniSet Container for Cleaning, Sterilization and Storage** of instruments, external dimensions (w x d x h): 260 x 165 x 47 mm

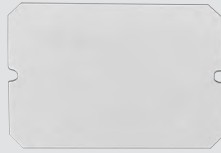
39100 SMS **Silicone Grid Insert SMALL DIAMOND GRID**, blue, wide mesh, for the storage of instruments in MiniSet wire trays and MiniSet plastic sterilization containers, external dimensions: 250 x 155 mm

**Components** see pages CL 46-CL 53



# Accessories for Sterilization Container with MicroStop® System for Sterilization and Sterile Storage

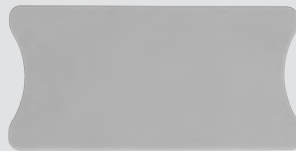
## Coding Labels, for lids



39763 B

- 39763 A **Coding Label**, inscribed
- 39763 B **Coding Label**, blank

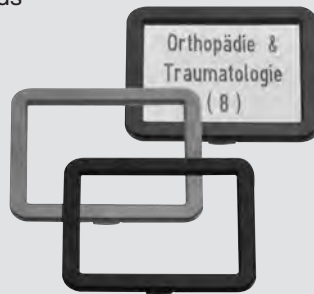
## Coding Labels, for containers



39764 B

- 39764 A **Coding Label**, inscribed
- 39764 B **Coding Label**, blank

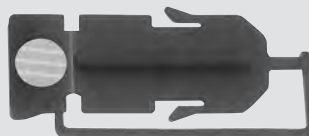
## Coding (Logistics) Framelets, for lids



39762 A

Art. No.	Designation	Color
39762 A	Coding Framelet	black
39762 B	Coding Framelet	white
39762 C	Coding Framelet	red
39762 D	Coding Framelet	blue

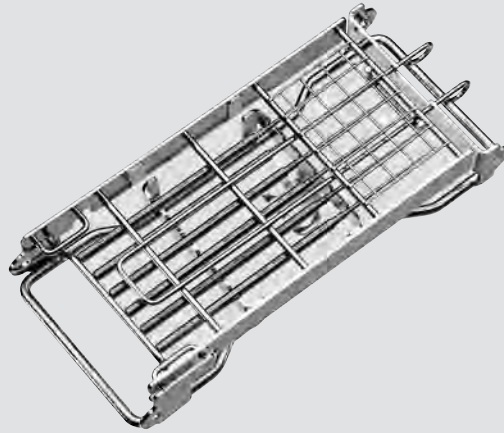
## Accessories



39763 PKB

- 39763 PKA **Seal**, without indicator, package of 1000
- 39763 PKB **Seal**, with indicator, package of 1000

# Rack for Cleaning, Sterilization and Storage of ENT Instruments



39520 AK

**NEW** 39520 AK

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



39520 A

39520 A

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

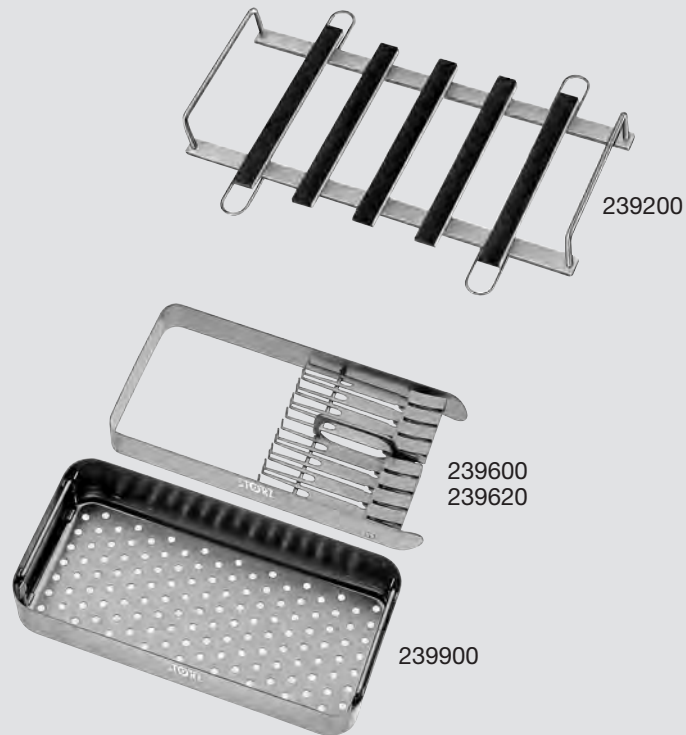
## Accessories for Sterilization and Storage of ENT Instruments



239000 – 239020

- 239000 **Metal Case**, perforated, with detachable lid,  
external dimensions (w x d x h): 300 x 200 x 50 mm
- 239020 **Metal Case**, perforated, with detachable lid,  
external dimensions (w x d x h): 200 x 100 x 40 mm

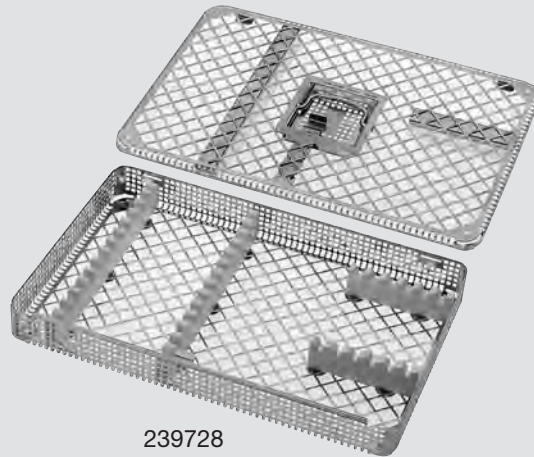
**Note:** Metal cases are not suitable for sterile storage.



- 239200 **Magnetic Instrument Rack**, with 2 handles and 5 magnetic stripes, size 280 x 190 mm, may be used with Metal Case 239000 or 239075
- \* 239600 **Instrument Rack**, for 8 instruments, size 195 x 100 mm
- 239620 **Instrument Rack**, for 5 instruments, size 195 x 100 mm, with holder for ear specula, for ventilation tube set, can be used with Metal Case 239020
- \* 239900 **Instrument Tray**, perforated, size 195 x 100 mm

\* Items 239600 and 239900 may be used with Metal Case 239000.

# Accessories for Sterilization and Storage of ENT Instruments



239728

- 239640 **Rack**, for approx. 8 micro ear forceps with ring handle, size 195 x 100 mm
- 239728 **Metal Tray**, for sterilization and storage of ear instruments, perforated, base with holder for 20 straight ear micro instruments with octagonal handle, lid with silicone bridges, external dimensions (w x d x h): 275 x 175 x 36 mm



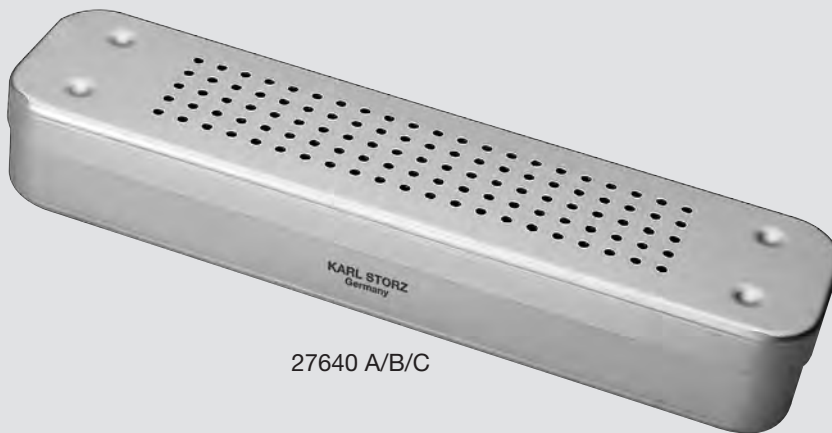
789208

- 789208 **Metal Case**, for sterilization and storage of instruments for emergency coniotomy, external dimensions (w x d x h): 200 x 100 x 40 mm
- 847100 **Instrument Rack**, for secure storage and easy removal of 8 bipolar forceps, external dimensions (w x d x h): 220 x 105 x 45 mm, may be used with case 847200
- 847200 **Metal Case**, perforated, with detachable lid, external dimensions (w x d x h): 230 x 130 x 50 mm, for Instrument Rack 847100

**Note:** Metal cases are not suitable for sterile storage.

# Universal Aluminium Cases for HOPKINS® Telescopes

Universal Cases are suitable for use in steam or gas sterilization.



27640 A/B/C

- 27640 A **Aluminium Case**, with lid, for use with HOPKINS® Telescopes 27015 A/B/C/E, external dimensions (w x d x h): 405 x 73 x 55 mm
- 27640 B **Aluminium Case**, with lid, for use with HOPKINS® Telescopes 27018 A/B/C, external dimensions (w x d x h): 265 x 73 x 55 mm
- 27640 C **Aluminium Case**, with lid, for use with HOPKINS® Telescopes 10320 A/B/D, 12015 A, 26031 B, 24880 A, external dimensions (w x d x h): 620 x 78 x 55 mm

**Please note:** Before sterilization the foam insert is to be removed and the container be laid out with drapes.

## Carrying Cases for Instruments and Accessories



27677 A/B/C

- |         |  |
|---------|--|
| 27677 A | <b>Case</b> , plastic, without inserts, internal dimensions (w x d x h): 725 x 325 x 85 mm |
| 9200030 | <b>Case Insert</b> , grooved foam  |
| 27677 B | <b>Plastic Case</b> , without inserts, internal dimensions (w x d x h): 605 x 315 x 80 mm  |
| 9211580 | <b>Case Insert</b> , grooved foam  |
| 27677 C | <b>Plastic Case</b> , without inserts, internal dimensions (w x d x h): 480 x 285 x 80 mm  |
| 9210560 | <b>Case Insert</b> , grooved foam  |
| 9104250 | <b>TELE PACK X Case</b> , including foam part  |





# Components Spare Parts



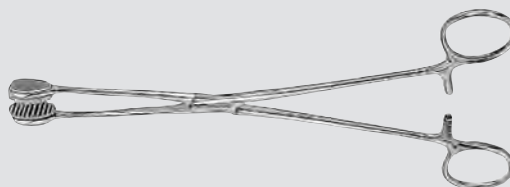
# Grasping Forceps, Cleaning Pistol

Components /Spare Parts

Catalog page

**27662 Grasping Forceps with serrated rubber jaws**

CL 3



## Spare Parts

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27662 A  
**Rubber Jaws Insert**

---

Components /Spare Parts

Catalog page

**27660 P Cleaning Pistol, only, autoclavable**

CL 7



## Spare Parts

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8021390  
**O-Ring for Nozzle**

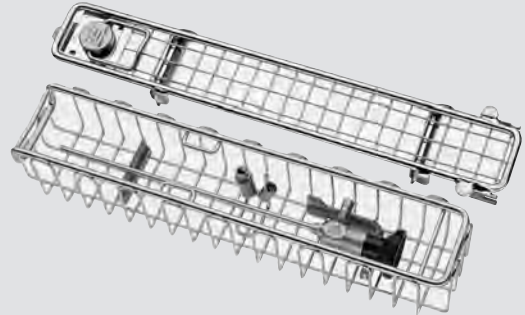
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8021490  
**Spare Part Set for Measuring**

---

# Wire Trays for Cleaning, Sterilization and Storage

Components /Spare Parts		Catalog page
39501 A1	Wire Tray for Cleaning, Sterilization and Storage	CL 10
39501 B1	Wire Tray for Cleaning, Sterilization and Storage	CL 10
39501 C	Wire Tray for Cleaning, Sterilization and Storage	CL 10



## Spare Parts

7981790  
**Locking Piece**, with clamp, screw and nut

8021690  
**Silicone Telescope Holder**, for head of telescope

8021590  
**Silicone Telescope Holder**, straight

# Wire Trays for Cleaning, Sterilization and Storage

## Components /Spare Parts

## Catalog page

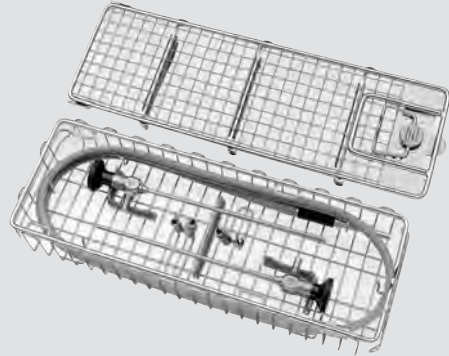
39501 A2	Wire Tray for Cleaning, Sterilization and Storage	CL 11
39501 B2	Wire Tray for Cleaning, Sterilization and Storage	CL 11
39501 BR	Wire Tray for Cleaning, Sterilization and Storage	CL 12
39501 U	Wire Tray for Cleaning, Sterilization and Storage	CL 13
39501 V	Wire Tray for Cleaning, Sterilization and Storage	CL 13

## Spare Part

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7981790  
Locking Piece, with clamp, screw and nut

---



# Plastic Containers for Sterilization, Trays and Plastic Containers

Components /Spare Parts		Catalog page
<b>39301 AS</b>	<b>Plastic Container for Sterilization</b>	CL 20
<b>39301 BS</b>	<b>Plastic Container for Sterilization</b>	CL 20
<b>39301 CS</b>	<b>Plastic Container for Sterilization</b>	CL 20
<b>39301 D</b>	<b>Plastic Container for Sterilization and Storage of Endoscopes</b>	CL 20



## Spare Parts

Spare Parts for 39301 AS/BS/CS

39301 AHS  
**Silicone Telescope Holder**, up to diameter 5 mm

39301 CHS  
**Silicone Telescope Holder**, up to diameter 10 mm

5911202  
**Oval Head Screw**

39305 LS  
**Latch**

Spare Parts for 39301 D

7920690  
**Rod**

Components /Spare Parts	Catalog page
-------------------------	--------------

**Trays and Plastic Containers, diverse**

—

## Spare Parts

27695 AE  
**Strips of Silicone Knobs**, for cutting out individually-sized pieces, external dimensions (w x d): 600 x 300 mm

# Plastic Containers for Sterilization and Storage

Components /Spare Parts

Catalog page

<b>39301 F</b>	<b>Plastic Container for Sterilization and Storage</b>	CL 26
<b>39301 G</b>	<b>Plastic Container for Sterilization and Storage</b>	CL 26
<b>39301 H</b>	<b>Plastic Container for Sterilization and Storage</b>	CL 26
<b>39301 J</b>	<b>Plastic Container for Sterilization and Storage</b>	CL 26



**Spare Parts**

Spare Parts for 39301 F

39301 FB  
**Lid**

Spare Parts for 39301 G

39301 GB  
**Lid**

Spare Parts for 39301 H

39301 HB  
**Lid**

Spare Parts for 39301 J

39301 JB  
**Lid**

# Plastic Containers for Sterilization and Storage

Components /Spare Parts

Catalog page

**39360 AK** Plastic Container for Sterilization and Storage of Variable Instrument Sets

CL 31

39360 AP Snap-in Clip, package of 12

39360 AS Silicone Tie-Downs, package of 12

39360 AR Tool



Components /Spare Parts

Catalog page

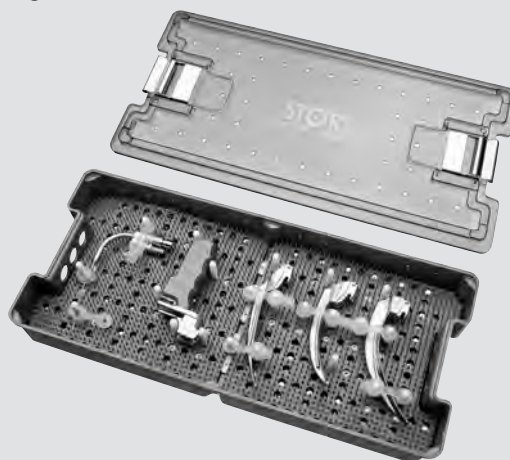
**39360 BK** Plastic Container for Sterilization and Storage of Variable Instrument Sets

CL 31

39360 AP Snap-in Clip, package of 12

39360 AS Silicone Tie-Downs, package of 12

39360 AR Tool



# Sterilization Containers with MicroStop®

## Components /Spare Parts

Catalog page

<b>39740 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 33
<b>39741 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 33
<b>39742 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 33
<b>39743 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 33



## Spare parts

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39760 A2  
**MicroStop® Microbiological Barrier**

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## Components /Spare Parts

Catalog page

<b>39750 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 34
<b>39751 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 34
<b>39752 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 34
<b>39753 A2</b>	<b>Sterilization Container, with MicroStop®</b>	CL 34



## Spare parts

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39760 A2  
**MicroStop® Microbiological Barrier**

---



# MiniSet Containers with MicroStop®

Components /Spare Parts

Catalog page

- 39780 A **MiniSet Container, with MicroStop®**
- 39781 A **MiniSet-Container, with MicroStop®**

CL 36



## Spare parts

- 39760 A2  
**MicroStop® Microbiological Barrier**

- 39785 AD  
**Silicone Seal**



## COMPONENTS / SPARE PARTS





## Introduction

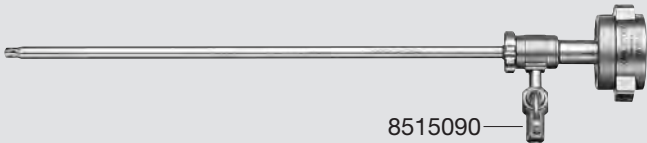





The chapter “Components / Spare Parts” contains detailed information on KARL STORZ instruments.

For easy location and reference, an index is available which lists the order number of the spare parts as well as those of the entire instrument, set or unit.

### Hotline

Queries concerning products, exchange, maintenance and cleaning can be addressed to Technical Support: +49 (0)7461/708-980, from Monday to Thursday from 7 – 18 h and Friday from 7 – 17 h or email: [KSTechnicalsupport@karlstorz.com](mailto:KSTechnicalsupport@karlstorz.com)

### For example:

Components / Spare Parts		Catalog page
<b>64132 S</b>	<b>Arthroscope Sheath, with snap-in coupling mechanism</b>	<b>34</b>
		
<b>Spare Parts</b>		
	<b>6985691 Spring Cap</b>	
	<b>9020490 Knurled Ring</b>	
	<b>5900800 O-Ring</b>	
	<b>8515090 Stopcock</b>	
	<b>8069591 Outer part</b>	

*Components/spare parts with corresponding order number of the instrument and reference to catalog page*

Components / Spare Parts

Catalog page

60332 PKS	Veterinary Videoendoscope, PAL	4
60332 NKS	Veterinary Videoendoscope, NTSC	4
60130 PKS	Veterinary Videoendoscope, PAL	4
60130 NKS	Veterinary Videoendoscope, NTSC	4
60118 PKS	Veterinary Videoendoscope, PAL	4
60118 NKS	Veterinary Videoendoscope, NTSC	4
60914 PKS	Veterinary Videoendoscope, PAL	4
60914 NKS	Veterinary Videoendoscope, NTSC	4

Spare Part



13991 DA  
**Sealing Cap**, for working channel, package of 10

Components / Spare Parts

Catalog page

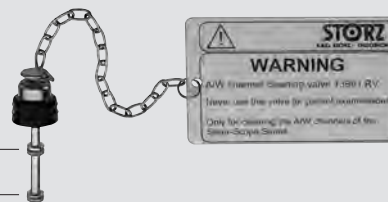
13991 RV	Cleaning Valve	6
----------	----------------	---

Spare Part



5931500  
**O-Ring**

5931500 —  
5931500 —



Components / Spare Parts

Catalog page

13991 LV	Suction Valve	6
----------	---------------	---

Spare Parts



5925600  
**O-Ring**, for suction valve, large, red, 2.5 x 1.5 mm

5925600 —  
5925300 —



5925300  
**O-Ring**, for suction valve, small, red, 2 x 1.5 mm

## Flexible Videoendoscopes

Components / Spare Parts

Catalog page

**13991 SV Air/Water Valve**

6

Spare Part



5925900  
**O-Ring, red, 3.1 x 1.6 mm**



5925900

Components / Spare Parts

Catalog page

**13992 BS Water Bottle**

7

Spare Parts

90100043  
**Irrigation Bottle Cap, with double tube, autoclavable**



13991 SW  
**Irrigation Adaptor, for water bottle**



5934400

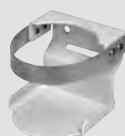
90100043

20100055

20100055  
**Irrigation Bottle, 250 ml, autoclavable**



5934400  
**O-Ring, water bottle seal, 6.1 x 1.6 mm**



20100031  
**Irrigation Bottle Holder**

Components / Spare Parts

Catalog page

**13991 VB Valve Brush**

7

For the supply plug:



5927500  
**O-Ring, black, bottom, 23 x 1.5 mm**

For the water bottle connector at the supply connector:



5944500  
**O-Ring**



Components / Spare Parts

Catalog page

13242 LX

Leakage Tester

6



## Spare Parts



5500735  
**Silicone Tube**



5907900  
**O-Ring**

7472791  
**Adaptor**



# Hygiene, Reprocessing and Care

Gastro Cleaning Tubing Set, Double Valve Seal

Components / Spare Parts Catalog page

<b>13991 CK</b>	<b>Gastro Cleaning Tubing Set</b>	9
13991 CD	<b>Double Valve Seal</b>	
13991 CL	<b>Leakage Tester Adaptor</b>	
13991 CS	<b>Suction Port Adaptor</b>	
13991 CR	<b>A/W Port Adaptor</b>	
13991 SS	<b>Irrigation Tube, reusable</b>	

Components / Spare Parts Catalog page

<b>13991 CD</b>	<b>Double Valve Seal</b>	9
-----------------	--------------------------	---



## Spare Parts



2183890  
**O-Ring**



5925900  
**O-Ring, red, 3.1 x 1.6 mm**

# Hygiene, Reprocessing and Care

Air/Water Port Adaptor, Leakage Tester Adaptor

Components / Spare Parts

Catalog page

**13991 CR Air/Water Port Adaptor**

9



**Spare Part**



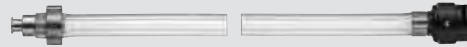
592600  
**O-Ring**

Components / Spare Parts

Catalog page

**13991 CL Leakage Tester Adaptor**

9



**Spare Part**



5907900  
**O-Ring**

# Slender Arthroscope

Components / Spare Parts

Catalog page

**64029 BA HOPKINS® Forward-Oblique Telescope 30°**

34



## Spare Parts



**495 F**  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



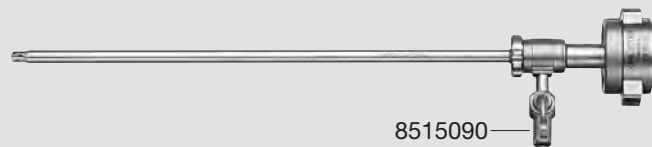
**495 G**  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**64132 S Arthroscope Sheath, with snap-in coupling mechanism**

34



## Spare Parts



**6985691**  
**Spring Cap**



**8515090**  
**Stopcock**



**9020490**  
**Knurled Ring**



**8069591**  
**Outer part**



**5900800**  
**O-Ring**

Components / Spare Parts

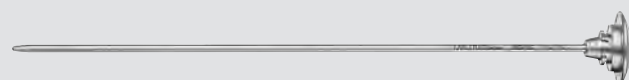
Catalog page

**64132 BC Obturator, blunt**

34

**64132 BT Obturator, semisharp**

34



## Spare Part



**6055191**  
**Color Code Disk,**  
red-yellow

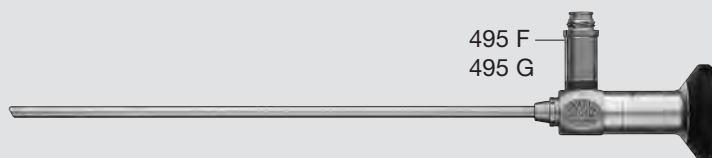
# Standard Equine Arthroscope

Components / Spare Parts

Catalog page

**64230 BWA HOPKINS® Wide Angle Forward-Oblique Telescope 30°**

36



## Spare Parts



**495 F**  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



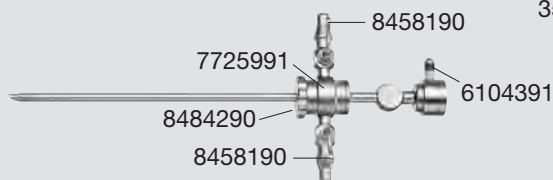
**495 G**  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**28132 CR Arthroscope Sheath**

35



## Spare Parts



**5916100**  
**O-Ring**



**7725991**  
**Outer Part,**  
with 2 stopcocks



**6104391**  
**Locking Lever,** red-yellow



**8458190**  
**Stopcock**



**6985691**  
**Spring Cap**



**8484290**  
**Nut**

Components / Spare Parts

Catalog page

**28132 BC Obturator**

35



## Spare Part



**6055191**  
**Color Code Disk,**  
red-yellow

# Arthroscope Sheaths

Components / Spare Parts

Catalog page

**64124 AR Arthroscope Sheath**

36



## Spare Parts



5916100  
**O-Ring**



8458190  
**Stopcock**



6985691  
**Spring Cap**



8069491  
**Outer Part, with stopcock**



8484290  
**Nut**



6924491  
**Locking Lever**

Components / Spare Parts

Catalog page

**28140 D Gasket Attachment**

37



—7701691

## Spare Parts



7701691  
**Swivel Nut**



28140 GU  
**Gasket**

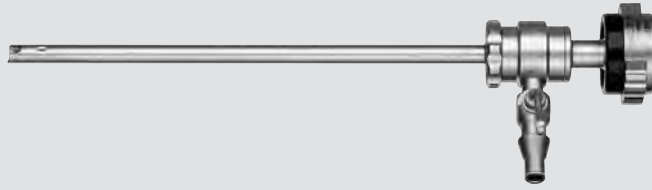
# Arthroscope Sheaths

Components / Spare Parts

Catalog page

**64131 R High Flow Arthroscope Sheath**

37



## Spare Parts



5916100  
**O-Ring**



8458190  
**Stopcock**



6985691  
**Spring Cap**



8069491  
**Outer Part, with stopcock**



8484290  
**Nut**

Components / Spare Parts

Catalog page

**64131 CR High Flow Arthroscope Sheath**

37



## Spare Parts



5916100  
**O-Ring**



8458190  
**Stopcock**



6985691  
**Spring Cap**



7957291  
**Outer Part,  
with 2 stopcocks**



8484290  
**Nut**

# Arthroscope Sheaths

Components / Spare Parts		Catalog page
<b>64130 BC</b>	<b>Obturator, blunt</b>	38
<b>64130 BT</b>	<b>Obturator, semisharp</b>	38
<b>64130 BS</b>	<b>Obturator, sharp</b>	38

## Spare Part

---



6055691  
**Color Code Disk,**  
green-red-yellow

---

Components / Spare Parts		Catalog page
<b>64125 BS</b>	<b>Obturator, sharp</b>	36
<b>64125 BT</b>	<b>Obturator, blunt</b>	36

## Spare Part

---



8607090  
**Color Code Disk,**  
red

---

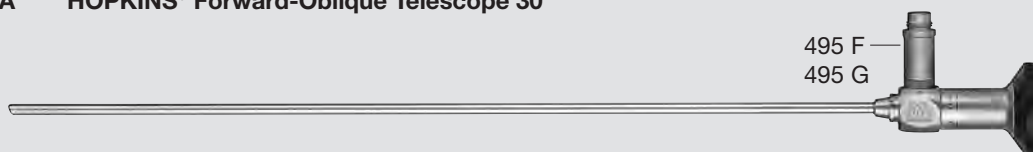
# Long Arthroscope

Components / Spare Parts

Catalog page

**63005 BA HOPKINS® Forward-Oblique Telescope 30°**

39



## Spare Parts



495 F  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**64124 RL Arthroscope Sheath**

39



## Spare Parts



5916100  
**O-Ring**



8458190  
**Stopcock**



6985691  
**Spring Cap**



8069491  
**Outer Part, with stopcock**



6924491  
**Locking Lever**



8484290  
**Nut**

Components / Spare Parts

Catalog page

**64124 LU Obturator, sharp**

39

**64124 LV Obturator, blunt**

39

## Spare Part



8607090  
**Color Code Disk,**  
red



# Operating Instruments for Arthroscopy

Components / Spare Parts Catalog page

<b>64146 T</b>	<b>Egress Cannula</b>	40
<b>64146 TT</b>	<b>Egress Cannula</b>	40



**Spare Parts**



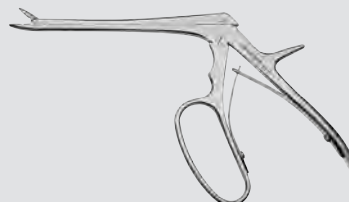
8458190  
**Stopcock**



6985691  
**Spring Cap**

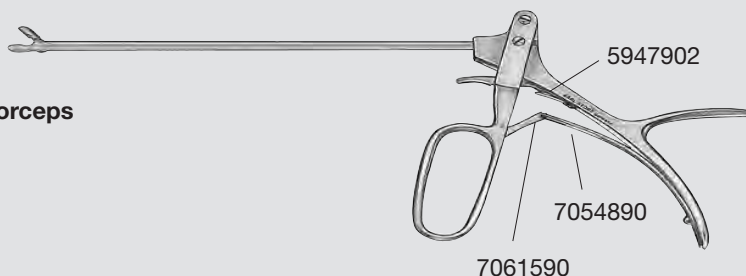
Components / Spare Parts Catalog page

<b>64148 RK</b>	<b>Ferris-Smith Rongeur, short</b>	42
<b>64149 RL</b>	<b>Ferris-Smith Rongeur, long</b>	42



Components / Spare Parts Catalog page

<b>64971 GO</b>	<b>Rongeur</b>	43
<b>64971 BG</b>	<b>Rongeur</b>	43
<b>64971 BU</b>	<b>Rongeur</b>	43
<b>64971 GK</b>	<b>Grasping Forceps</b>	43



**Spare Parts**

7054890  
**Spring**

7061590  
**Spring**

5947902  
**Round-head Screw**

# Forceps, Suction Punch

## Components / Spare Parts

Catalog page

- 28571 G**     **SILGRASP® PRO Grasping Forceps**
- 28571 AG**   **SILGRASP® PRO Alligator Grasping Forceps**
- 28571 CG**   **SILGRASP® PRO Cartilage Grasping Forceps**
- 28571 SP**    **SILGRASP® PRO Scissors**

- 45
- 45
- 45
- 46



## Spare Parts



28571 LK  
**Set of LUER Caps**,  
silicone, reusable,  
unsterile, package of 10



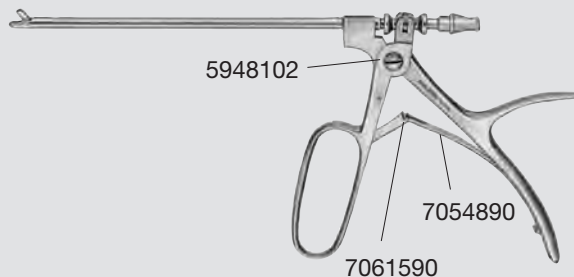
8029491  
**LUER Cap**, metal,  
reusable, unsterile

## Components / Spare Parts

Catalog page

- 64165 SN**    **Suction Punch**

46



## Spare Parts

5948102  
**Screw**

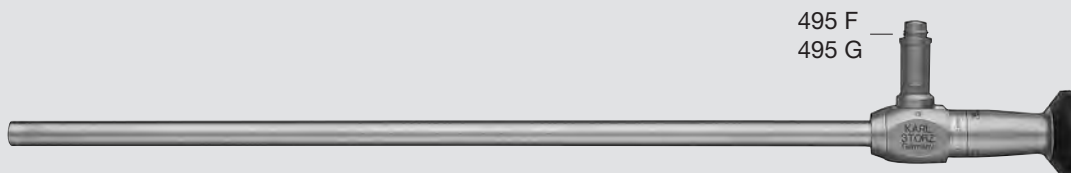
7054890  
**Spring**

7061590  
**Spring**

# Laparoscopes, ENDOCAMELEON® HOPKINS® Telescopes

Components / Spare Parts Catalog page

<b>26003 AA</b>	<b>HOPKINS® Straight Forward Telescope 0°, enlarged view</b>	55
<b>26003 BA</b>	<b>HOPKINS® Forward-Oblique Telescope 30°, enlarged view</b>	55
<b>62032 APA</b>	<b>HOPKINS® Straight Forward Telescope 0°, enlarged view</b>	55
<b>62032 BPA</b>	<b>HOPKINS® Forward-Oblique Telescope 30°, enlarged view</b>	55



## Spare Parts



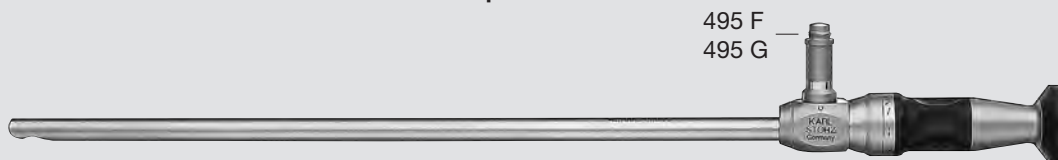
495 F  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts Catalog page

<b>26003 AE</b>	<b>ENDOCAMELEON® HOPKINS® Telescope</b>	57
<b>26003 AEE</b>	<b>ENDOCAMELEON® HOPKINS® Telescope</b>	57



## Spare Parts



495 F  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

# Trocars

Cannulas, Valves

Components / Spare Parts

Catalog page

30160 H2

Cannula

58

62160 H3

Cannula

58



## Spare Parts



6985691  
**Spring Cap**



8458190  
**Stopcock**

Components / Spare Parts

Catalog page

30160 M1

Multifunctional Valve

58



## Spare Parts



5905098-10  
**Sealing Cap, small**



7080690  
**Tappet**



6127590-10\*  
**Sealing Cap, (50/4),  
package of 10**

Components / Spare Parts

Catalog page

30160 A1

Automatic Valve

58



## Spare Parts



6127590-10\*  
**Sealing Cap, (50/4),  
package of 10**



26 G  
**Mandrel, to open  
automatic valves**



# Trocars

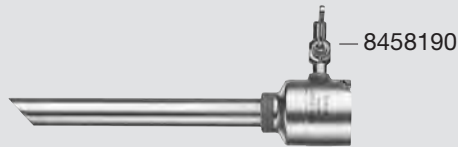
Cannulas, Valves

Components / Spare Parts

Catalog page

**30103 H2** Cannula  
**62103 H3** Cannula

59  
59



Spare Parts



6985691  
**Spring Cap**



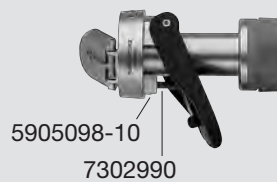
8458190  
**Stopcock**

Components / Spare Parts

Catalog page

**30103 M1** Multifunctional Valve

59



Spare Parts



5905098-10  
**Sealing Cap, small**



7302990  
**Tappet**



7616690-10\*  
**Sealing Cap, (60/10),**  
package of 10

Components / Spare Parts

Catalog page

**30103 A1** Automatic Valve

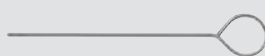
59



Spare Parts



7616690-10\*  
**Sealing Cap, (60/10),**  
package of 10



26 G  
**Mandrel, to open**  
automatic valves

11-18



# Trocars

Cannulas, Valves

Components / Spare Parts

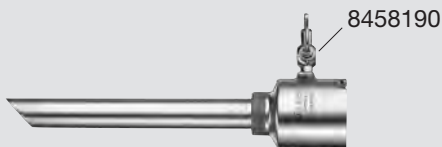
Catalog page

**30108 H2** Cannula

60

**62107 H3** Cannula

60



## Spare Parts



**6985691**  
**Spring Cap**



**8458190**  
**Stopcock**

Components / Spare Parts

Catalog page

**30107 M1** Multifunctional Valve

60



## Spare Parts



**5905098-10**  
**Sealing Cap, small**



**7080690**  
**Tappet**



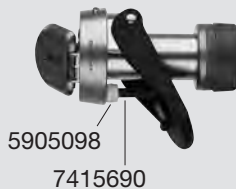
**7416090-10\***  
**Sealing Cap, (60/13),**  
package of 10

Components / Spare Parts

Catalog page

**30108 M1** Multifunctional Valve

60



## Spare Parts



**5905098**  
**Sealing Cap, small**



**7415690**  
**Tappet**



**7416090-10\***  
**Sealing Cap, (60/13),**  
package of 10

# Trocars

## Reduction Sleeves

Components / Spare Parts		Catalog page
30140 KA	Reduction Sleeve	61
30140 DA	Reduction Sleeve	61
30140 DD	Reduction Sleeve	61
30140 EB	Reduction Sleeve	61
30140 EE	Reduction Sleeve	61
30140 HB	Reduction Sleeve	61
30140 HE	Reduction Sleeve	61



### Spare Parts

Spare part for 30140 DA/KA



6127390-10\*  
**Sealing Cap**, (50/2.6),  
package of 10

Spare part for 30140 DD



6127890-10\*  
**Sealing Cap**, (50/7.5),  
package of 10

Spare part for 30140 EB/HB



6127590-10\*  
**Sealing Cap**, (50/4),  
package of 10

Spare part for 30140 EE/HE



7616690-10\*  
**Sealing Cap**, (60/10),  
package of 10

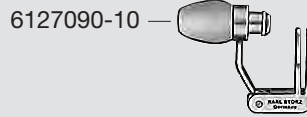
# Reducers

Components / Spare Parts

Catalog page

**62141 AA Reducer**

61



**Spare Parts**



6127090-10\*  
**Sealing Cap, (40/3),**  
package of 10

Components / Spare Parts

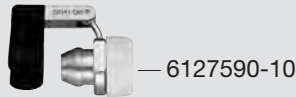
Catalog page

**62141 DB Reducer**

61

**62141 HB Reducer**

61



**Spare Parts**



6127590-10\*  
**Sealing Cap, (50/4),**  
package of 10

Components / Spare Parts

Catalog page

**62141 HE Reducer**

61

**Spare Part**



7616690-10\*  
**Sealing Cap, (60/10),**  
package of 10

Components / Spare Parts

Catalog page

**30142 HB Double Reducer**

61



**Spare Parts**



6127590-10\*  
**Sealing Cap, (50/4),**  
package of 10



7616690-10\*  
**Sealing Cap, (60/10),**  
package of 10



## Reducers

Components / Spare Parts

Catalog page

**30160 RE Reducer**

61



### Spare Parts



6127590-10\*  
**Sealing Cap, (50/4),**  
package of 10



7720590-10\*  
**Silicone Leaflet Washer,**  
package of 10



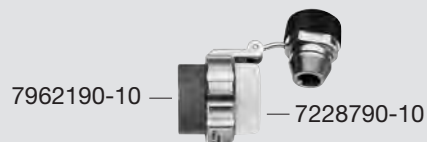
6127090-10\*  
**Sealing Cap, (40/3),**  
package of 10

Components / Spare Parts

Catalog page

**30103 RE Reducer**

61



### Spare Parts



6127590-10\*  
**Sealing Cap, (50/4),**  
package of 10



7962190-10\*  
**Silicone Leaflet Washer,**  
large, package of 10



7228790-10\*  
**Sealing Cap, (60/11),**  
package of 10

# Trocars

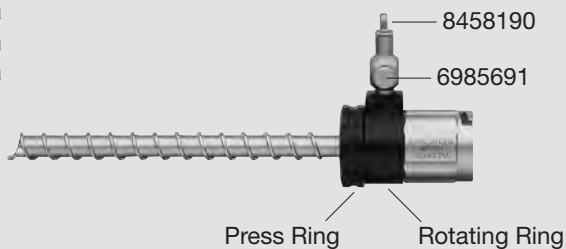
## Cannulas

Components / Spare Parts

Catalog page

<b>30160 TM</b>	<b>TERNAMIAN EndoTIP Cannula</b>
<b>30103 TM</b>	<b>TERNAMIAN EndoTIP Cannula</b>
<b>60103 T5</b>	<b>TERNAMIAN EndoTIP Cannula</b>

64
65
65



### Spare Parts



6985691  
**Spring Cap**



8458190  
**Stopcock**



5947200  
**O-Ring**

### Spare parts for 30160 TM



8296591  
**Rotating Ring**, with  
stopcock and O-ring

### Spare parts for 30103 TM



8296691  
**Rotating Ring**, with  
stopcock and O-ring



7137295  
**Press Ring**



7137595  
**Press Ring**

### Spare parts for 60103 T5



7266795  
**Rotating Ring**



7137595  
**Press Ring**

# Trocars

## Cannulas

### Components / Spare Parts

### Catalog page

<b>30160 G6</b>	<b>Cannula</b>	66
<b>30103 G6</b>	<b>Cannula</b>	67
<b>30108 G6</b>	<b>Cannula</b>	68



### Spare Parts for 30160 G6



021299-10\*  
**Valve Seal**, sterile, for single use, package of 10, color code: black



29100 SX  
**Plug**, for LUER-Lock connector, black, package of 10

### Spare Parts for 30103 G6



021399-10\*  
**Valve Seal**, sterile, for single use, package of 10, color code: green



29100 GX  
**Plug**, for LUER-Lock connector, green, package of 10

### Spare Parts for 30108 G6



021499-10\*  
**Valve Seal**, sterile, for single use, package of 10, color code: blue



29100 BX  
**Plug**, for LUER-Lock connector, blue, package of 10

# Dissecting and Grasping Forceps

CLICK*liné* Metal Outer Sheaths

Components / Spare Parts

Catalog page

**33400** CLICK*liné* Metal Outer Sheath, insulated

72



## Spare Parts



29100  
**Plug**, for LUER-Lock irrigation connector for cleaning, black, autoclavable, package of 10



7909890  
**Halfround Plate**



7944790  
**Silicone Ring**

Components / Spare Parts

Catalog page

**33400 M** CLICK*liné* Metal Outer Sheath

73



## Spare Parts



29100  
**Plug**, for LUER-Lock irrigation connector for cleaning, black, autoclavable, package of 10



7909890  
**Halfround Plate**



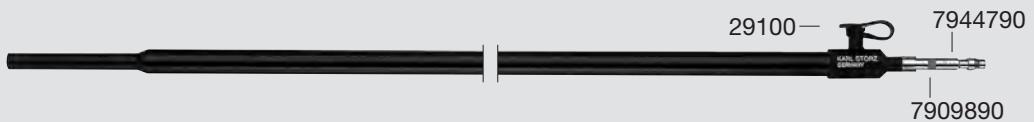
7944790  
**Silicone Ring**

Components / Spare Parts

Catalog page

**60500 L** Outer Sheath, insulated

78



## Spare Parts



29100  
**Plug**, for LUER-Lock irrigation connector for cleaning, black, autoclavable, package of 10



7909890  
**Halfround Plate**



7944790  
**Silicone Ring**

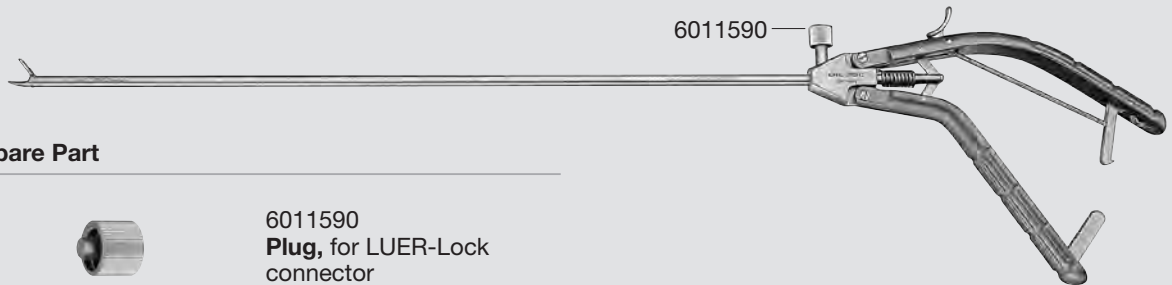
# Suture and Ligation

## Needle Holders

### Components / Spare Parts

### Catalog page

<b>26178 KPF</b>	<b>KOH Macro Needle Holder</b>	80
<b>26178 KPL</b>	<b>KOH Macro Needle Holder</b>	80
<b>26178 KPR</b>	<b>KOH Macro Needle Holder</b>	80



### Spare Part



6011590  
**Plug**, for LUER-Lock  
connector

# Instruments for Bipolar Coagulation and Dissection

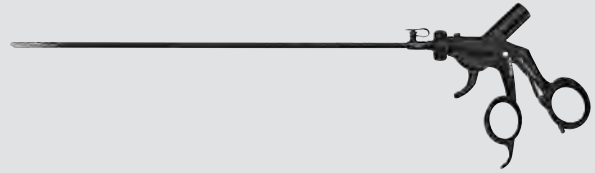
Components / Spare parts

Catalog page

**66351 DN ROBI PLUS® 2**

81

66151 **Ring Handle**, bipolar  
66300 A **Outer Sheath**, insulated  
66300 M **Knife Sheath with Integrated Blade**  
66310 DN **Forceps Insert**



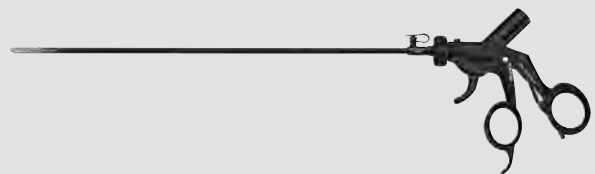
Components / Spare parts

Catalog page

**66451 DN ROBI PLUS® 2**

81

66151 **Ring Handle**, bipolar  
66400 A **Outer Sheath**, insulated  
66400 M **Knife Sheath with Integrated Blade**  
66410 DN **Forceps Insert**



# Suction and Irrigation

Components / Spare Parts

Catalog page

**37460 LH Suction and Irrigation Tube**

82



5917900

## Spare Part



5917900  
**O-Ring, small**

# Fiberscopes

Components / Spare Parts Catalog page

<b>60001 VLK2</b>	<b>Broncho-Fiberscope</b>	88
<b>60001 VL2</b>	<b>Broncho-Fiberscope, only</b>	88
<b>60002 VBK2</b>	<b>Broncho-Fiberscope</b>	88
<b>60002 VB2</b>	<b>Broncho-Fiberscope, only</b>	88

**Spare Parts**



495 F  
**Receptacle**,  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base**, for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation



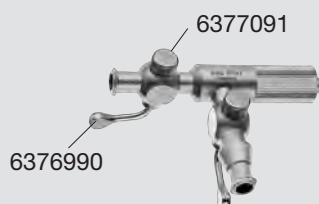
6985691  
**Spring Cap**



8515090  
**Stopcock**

Components / Spare Parts Catalog page

<b>6927691</b>	<b>Adaptor for Two-Way Stopcock</b>	88
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**Spare Parts**



6376990  
**Stopcock**, for  
irrigation connector



6377091  
**Spring Cap**

Components / Spare Parts Catalog page

<b>13242 XL</b>	<b>Leakage Tester</b>	88
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**Spare Parts**



5500735  
**Silicone Tube**



5907900  
**O-Ring**

7472791  
**Adaptor**



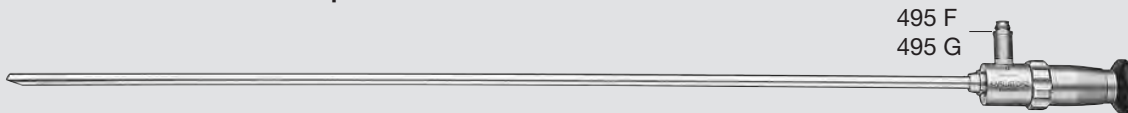
# Telescope and Instruments for Equine Intraoral Endoscopy

Components / Spare Parts

Catalog page

**66490 CF Dental Telescope**

86



### Spare Parts



**495 F**  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



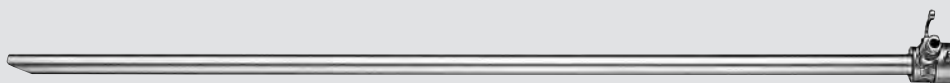
**495 G**  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**66490 CQ Protective Sheath**

86



### Spare Parts



**6985691**  
**Spring Cap**



**8458190**  
**Stopcock**



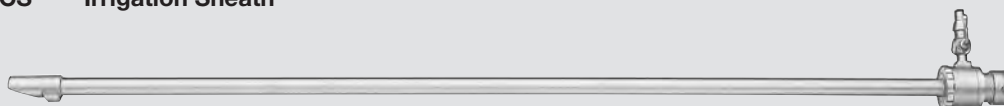
**6924491**  
**Locking Lever**

Components / Spare Parts

Catalog page

**66490 CS Irrigation Sheath**

86



### Spare Parts



**6985691**  
**Spring Cap**



**8458190**  
**Stopcock**



**6924491**  
**Locking Lever**



**5903000-10**  
**O-Ring,** large,  
package of 10

**3021895**  
**Nut**

Components / Spare Parts

Catalog page

- 11301 D1 **Battery Light Source LED for Endoscopes**
- 11301 D4 **Battery Light Source LED for Endoscopes**

TP 39  
86, 102, TP 39, TP 44



Spare Parts



094108 B  
**Cover**, for Battery Box  
094108



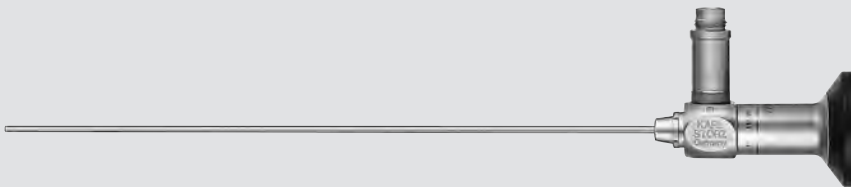
121306 P  
**Photo Battery**, lithium,  
3 V, CR 123 A

Components / Spare Parts

Catalog page

- 64017 AA **HOPKINS® Straight Forward Telescope 0°**

96



Spare Parts



495 F  
**Receptacle**,  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base**, for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

- 68047 E **Sheath**

96



Spare Parts



6985691  
**Spring Cap**



8458190  
**Stopcock**

# Telescope and Instruments for Theloresctoscopy

Components / Spare Parts

Catalog page

**68045 E**      **Working Element**

96

## Spare Part

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6924491  
**Locking Lever**

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Components / Spare Parts

Catalog page

**68048 EH**      **Trocar**

96

68048 E      **Cannula**

68048 O      **Obturator, blunt**

68048 H      **Obturator, conical**

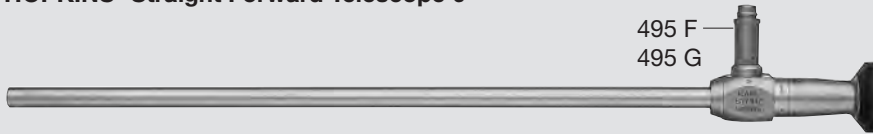
# Telescope and Instruments for Abomasopexy

Components / Spare Parts

Catalog page

**26003 AA HOPKINS® Straight Forward Telescope 0°**

55, 97, 102



## Spare Parts



495 F  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



495 G  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**68160 LS Suture Securing Instrument, complete**

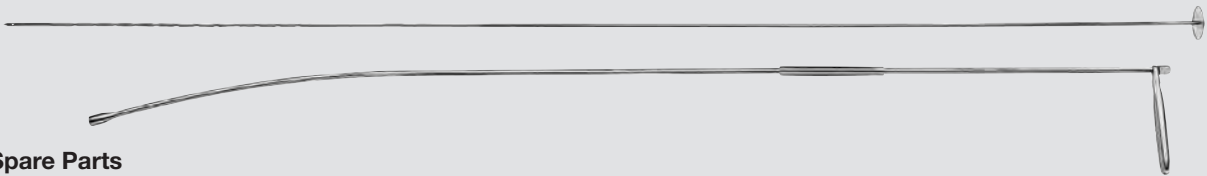
98, 102

68160 LAD **Sheath, distal part**

68160 LAP **Sheath, proximal part**

68160 LID **Knife, distal part**

68160 LIP **Knife, proximal part**



## Spare Parts

Spare part for 68160 LID

9235000  
**Tip Cover**

Spare part for 68160 LAP



6127190  
**Sealing Cap, (40/4)**

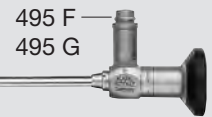
# Instruments for Bovine Embryo Transfer

Components / Spare Parts

Catalog page

**61015 BV HOPKINS® Forward-Oblique Telescope 30°**

99



## Spare Parts



**495 F**  
**Receptacle,**  
diameter 9 mm, for  
Wolf fiber optic light cable



**495 G**  
**Screw Base,** for  
KARL STORZ fiber optic  
light cables and Olympus  
Corporation

Components / Spare Parts

Catalog page

**66016 EA Universal Sheath**

99



## Spare Parts



**6376990**  
**Stopcock,** for  
irrigation connector



**6377091**  
**Spring Cap**



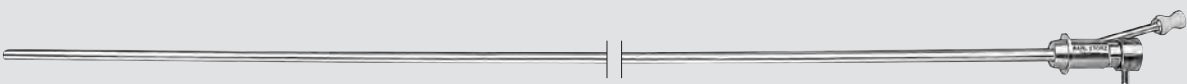
**6011891**  
**Lever,** complete

Components / Spare Parts

Catalog page

**66016 B Inner Sheath**

99



## Spare Parts



**6924491**  
**Locking Lever**



**27550 G-10**  
**Sealing Cap,**  
diameter 2.8 mm,  
package of 10

# Suction and Irrigation Systems

ENDOMAT® SELECT VET

Components / Spare Parts

Catalog page

- UP 211      **ENDOMAT® SELECT VET**
- UP 210      **ENDOMAT® SELECT**
- UP 609      **VET Software, License**
- 400 A      **Mains Cord, length 300 cm**

U 19



UP 210

## Spare Parts

### For single use



031523-10\*  
**Tubing Set for Irrigation,**  
PC, sterile, for single use,  
package of 10



031647-10\*  
**Tubing Set for Suction,**  
BS, sterile, for single use,  
package of 10



031524-10\*  
**Tubing Set for Irrigation,**  
FC, sterile, for single use,  
package of 10



030647-10\*  
**Tubing Set for Suction,**  
DS, sterile, for single use,  
package of 10



031529-10\*  
**Tubing Set for Irrigation,**  
CV, sterile, for single use,  
package of 10

### Reusable



UP 007  
**Tubing Set, irrigation,**  
FC, sterilizable



UP 009  
**Tubing Set, irrigation,**  
DS, sterilizable



UP 008  
**Tubing Set, irrigation,**  
PC, sterilizable



UP 010  
**Tubing Set, irrigation,**  
BS, sterilizable



# Insufflators

ENDOFLATOR® 40 SCB, ENDOFLATOR® 50 SCB

Components / Spare Parts

Catalog page

- UI 400S1**    **ENDOFLATOR® 40 SCB**
- UI 400    **ENDOFLATOR® 40 SCB**, power supply  
100 – 240 VAC, 50/60 Hz
- 20090170    **SCB Connecting Cable**, length 100 cm
- 20400030    **Universal Wrench**
- 031200-03\*    **Insufflation Tubing Set**, with gas filter,  
sterile, for single use, package of 5



SCB®

U 9

UI 400

- UI 500S1**    **ENDOFLATOR® 50 SCB**
- UI 500    **ENDOFLATOR® 50 SCB**, power supply  
100 – 240 VAC, 50/60 Hz
- 20090170    **SCB Connecting Cable**, length 100 cm
- 20400030    **Universal Wrench**
- 031210-03\*    **Heated Insufflation Tubing Set**, with gas filter,  
sterile, for single use, package of 3



SCB®

U 12

UI 500

Spare Parts



1858390  
**Mains Fuse**,  
T 2.0 AH, 250 V,  
package of 10



20300184  
**LUER-Lock Tube  
Connector**, male, tube  
diameter 10 mm

Components / Spare Parts

Catalog page

- UI 400**    **ENDOFLATOR® 40 SCB**

U 9

Spare Part

1815490  
**ISO Connector**,  
female

# Insufflators

ENDOFLATOR® 40 SCB, ENDOFLATOR® 50 SCB

## Components / Spare Parts

Catalog page

20400022 CO<sub>2</sub> High Pressure Tube

U 14

20400028 CO<sub>2</sub> High Pressure Tube

U 14

### Spare Part



2903390  
**Seal**, for use with  
CO<sub>2</sub> bottle, Pin-Index  
connector



## Components / Spare Parts

Catalog page

20400021 CO<sub>2</sub> High Pressure Tube

U 14

20400027 CO<sub>2</sub> High Pressure Tube

U 14

### Spare Part



2903490  
**Seal**, for use with  
CO<sub>2</sub> bottle, German  
connection



## Components / Spare Parts

Catalog page

20400222 CO<sub>2</sub> High Pressure Tube

U 15

### Spare Part



2903490  
**Seal**, for use with  
CO<sub>2</sub> bottle, German  
connection





# High Frequency Surgery Units

AUTOCON® III VET

Components / Spare Parts

Catalog page

**UH 301E**      **AUTOCON® III VET,**  
power supply 220 – 240 VAC, 50/60 Hz

U 41

400 A      **Mains Cord,** length 300 cm

**UH 301U**      **AUTOCON® III VET,**  
power supply 100 – 127 VAC, 50/60 Hz

400 B      **Mains Cord,** US version, length 200 cm



UH 301

**Spare Part** for use at 230 V:



2027690  
**Mains Fuse,**  
220 – 240 VAC, T 4.0 AH,  
package of 10

**Spare Part** for use at 110 V:



2028090  
**Mains Fuse,**  
T 8.0 AL (SB),  
package of 10

**IMAGE1 S CONNECT®**, **IMAGE1 S™ H3-LINK**,  
**IMAGE1 S™ X-LINK**, **IMAGE1 S D3-LINK®**

Components / Spare Parts

Catalog page

- TC 200EN\*** **IMAGE1 S CONNECT®**
- 400 A **Mains Cord**, length 300 cm  
 20040089 **DVI-D Connecting Cable**, length 300 cm  
 20090170 **SCB Connecting Cable**, length 100 cm  
 20040282 **USB Flash Drive**, 32 GB  
 20040240US **USB Silicone Keyboard**, with touchpad, US



TP 6, TP 7

Components / Spare Parts

Catalog page

- TC 201EN\*** **IMAGE1 S CONNECT® II**
- 400 A **Mains Cord**, length 300 cm  
 20040089 **DVI-D Connecting Cable**, length 300 cm  
 TC 003 **DisplayPort Cable**, length 300 cm  
 TC 007 **3G-SDI Cable**, length 300 cm  
 20090170 **SCB Connecting Cable**, length 100 cm  
 20040282 **USB Flash Drive**, 32 GB  
 20040240US **USB Silicone Keyboard**, with touchpad, US



TP 6, TP 7

Components / Spare Parts

Catalog page

- TC 300** **IMAGE1 S™ H3-LINK**
- 400 A **Mains Cord**, length 300 cm  
 TC 011 **Link Cable**, length 20 cm



TP 8

Components / Spare Parts

Catalog page

- TC 301** **IMAGE1 S™ X-LINK**
- 400 A **Mains Cord**, length 300 cm  
 TC 011 **Link Cable**, length 20 cm



TP 8

Components / Spare Parts

Catalog page

- TC 302** **IMAGE1 S D3-LINK®**
- 400 A **Mains Cord**, length 300 cm  
 TC 011 **Link Cable**, length 20 cm



TP 8

Components / Spare Parts

Catalog page

- TC 304** **IMAGE1 S™ 4U-LINK**
- 400 A **Mains Cord**, length 300 cm  
 TC 011 **Link Cable**, length 20 cm



TP 8

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

# TELE PACK VET X LED

## Components / Spare Parts

Catalog page

TP 26

<b>RP100 S1</b>	<b>TELE PACK VET X LED</b>
20040282	<b>USB Flash Drive, 32 GB</b>
TP 001	<b>SD Card, 32 GB</b>
400 F	<b>Mains Cord</b>
400 FUS	<b>Mains Cord, US plug</b>
9104250	<b>Case</b>
<b>RP100 S2</b>	<b>Same, without Case</b>



## Spare Parts



20045030  
**Adaptor**



20045031  
**Light Adaptor**

# TIPCAM®1 S 3D LAP/ORL, VITOM® 3D

Components / Spare Parts		Catalog page
26605 AA	TIPCAM®1 S 3D LAP	TP 17
26605 BA	TIPCAM®1 S 3D LAP	TP 17
7240 AA3D	TIPCAM®1 S 3D ORL	TP 18
7240 BA3D	TIPCAM®1 S 3D ORL	TP 18
7240 FA3D	TIPCAM®1 S 3D ORL	TP 18

## Spare Part

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495-3D  
Light Adaptor

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Components / Spare Parts		Catalog page
TH 200	VITOM® 3D	TP 19

# C-HUB® II Camera Control Unit

Components / Spare Parts

Catalog page

- 20290301 **C-HUB® II Camera Control Unit**
- 20290320 **C-HUB® II**
- 20290120-PS **Power Supply**, incl. primary plugs
- 547 S **S-Video (Y/C) Connecting Cable**, length 180 cm
- 20200073 **USB Connecting Cable**, length 180 cm
- 20040445-V02 **KARL STORZ Video Editor**



TP 36

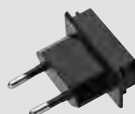
## Spare Parts



20290120-PS  
**Power Supply, C-HUB®**



ET27-30-0003207  
**Primary Plug USA/JP**



ET27-30-0003148  
**Primary Plug EU**



ET27-30-0004357  
**Primary Plug AUS**



ET27-30-0003206  
**Primary Plug UK**

# Cold Light Fountains

Components / Spare Parts

Catalog page

**TL 300 Cold Light Fountain POWER LED 300 SCB**

TP 61

400 A **Mains Cord**, length 300 cm



Components / Spare Parts

Catalog page

**20161401-1 Cold Light Fountain Power LED 175 SCB**

TP 62

400 A **Mains Cord**, length 300 cm

20090170 **SCB Connecting Cable**, length 100 cm



## Spare Part



2108191  
**Light Cable Adaptor,**  
 HALOGEN, 150/250 W

Components / Spare Parts

Catalog page

**20161201 Cold Light Fountain LED NOVA 150**

TP 62

400 A **Mains Cord**, length 300 cm



## Cold Light Fountains

Components / Spare Parts

Catalog page

- TL100 S1**     **Cold Light Fountain CO<sub>2</sub>MBI® LED SCB**
- TL 100        **Cold Light Fountain CO<sub>2</sub>MBI® LED SCB**
- TL 001        **Irrigation Bottle Holder**
- TL 002        **Holding Ring**, for water bottles
- 13992 BS      **Water Bottle**
- 13991 SW      **Irrigation Adaptor**, for water bottles
- 20090170      **SCB Connecting Cable**, length 100 cm
- 20400030      **Universal Wrench**

TP 63



Components / Spare Parts

Catalog page

- 69111001**     **Cold Light Fountain VETERINARY**
- 69111020      **Cold Light Fountain VETERINARY**, with integrated  
insufflation pump, power supply 230 VAC, 50/60 Hz
- 400 A          **Mains Cord**

TP 65



### Spare Part

- 
- 103
  - Halogen Spare Lamp**,
  - 150 W, 15 V
-

# Fiber Optic Light Cables

Components / Spare Parts		Catalog page
495 NT	Fiber Optic Light Cable	TP 69
495 NTA	Fiber Optic Light Cable	TP 69
69495 NL	Fiber Optic Light Cable	TP 69
69495 NA	Fiber Optic Light Cable	TP 69
495 NAC	Fiber Optic Light Cable	TP 69
69495 ND	Fiber Optic Light Cable	TP 69
69495 NB	Fiber Optic Light Cable	TP 69
495 NCSC	Fiber Optic Light Cable	TP 69
69495 NCS	Fiber Optic Light Cable	TP 69
495 TIP	Fiber Optic Light Cable	TP 69
69495 NE	Fiber Optic Light Cable	TP 69
495 VIT	Fiber Optic Light Cable	TP 69
495 UD	Fiber Optic Light Cable	TP 69

## Spare Parts



495-3D  
**Light Adaptor**



495-13  
**Slot Nut**, for fixation of  
Screw Cap 495-12

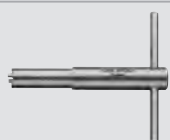


495-12  
**Screw Cap**, for connection  
to telescope/instrument

495-1  
**Safety Lock Cap**,  
diameter 2.5 mm

495-2  
**Safety Lock Cap**,  
diameter 3.5 mm

495-3  
**Safety Lock Cap**,  
diameter 4.8 mm



495-47  
**Socket Wrench**, for Slot  
Nut 495-13



Components / Spare Parts

Catalog page

**WD 300-EN\* AIDA®**

TP 79

WD 300

**AIDA®**

20040240US **USB Silicone Keyboard**, with touchpad, US

**Keyboards available in the following languages:**  
DE, ES, FR, IT, PT, RU, SE, CH



Components / Spare Parts

Catalog page

**WD 350-EN\* AIDA® with SMARTSCREEN®**

TP 77

WD 300

**AIDA®**

WM 200

**OR1™ SMARTSCREEN®**

20040240US **USB Silicone Keyboard**, with touchpad, US

**Keyboards available in the following languages:**  
DE, ES, FR, IT, PT, RU, SE, CH



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

# Equipment Carts

## Components / Spare Parts

Catalog page

- UG 220**      **Equipment Cart, wide**
- UG 011      **Base Module, equipment cart, wide**
- UG 021      **Cover, equipment cart, wide**
- UG 051      **Beam Package, equipment cart, high**
- UG 604      **Shelf, wide**
- UG 602      **Drawer Unit with Lock, wide**
- UG 608      **Equipment Rail, long**
- UG 612      **Camera Holder**
- UG 700      **Mains Cord, length 100 cm**

TP 87



## Components / Spare Parts

Catalog page

- UG 120**      **Equipment Cart, narrow**
- UG 010      **Base Module, equipment cart, narrow**
- UG 020      **Cover, equipment cart, narrow**
- UG 051      **Beam Package, equipment cart, high**
- UG 603      **Shelf, narrow**
- UG 601      **Drawer Unit with Lock, narrow**
- UG 608      **Equipment Rail, long**
- UG 612      **Camera Holder**
- UG 700      **Mains Cord, length 100 cm**

TP 87



## Equipment Carts

### Components / Spare Parts

Catalog page

- UG 110**      **Equipment Cart**, narrow
- UG 010      **Base Module**, equipment cart, narrow
- UG 020      **Cover**, equipment cart, narrow
- UG 041      **Beam Package**, equipment cart, small
- UG 603      **Shelf**, narrow
- UG 601      **Drawer Unit with Lock**, narrow
- UG 608      **Equipment Rail**, long
- UG 700      **Mains Cord**, length 100 cm

TP 88



### Components / Spare Parts

Catalog page

- UG 210**      **Equipment Cart**, wide
- UG 011      **Base Module**, equipment cart, wide
- UG 021      **Cover**, equipment cart, wide
- UG 041      **Beam Package**, equipment cart, small
- UG 604      **Shelf**, wide
- UG 602      **Drawer Unit with Lock**, wide
- UG 608      **Equipment Rail**, long
- UG 700      **Mains Cord**, length 100 cm

TP 88



### Components / Spare Parts

Catalog page

- UG 230**      **Equipment Cart LC**
- UG 012      **Base Module**, equipment cart LC
- UG 022      **Cover**, equipment cart LC
- UG 052      **Beam Package**, equipment cart LC
- UG 604      **Shelf**, wide
- UG 602      **Drawer Unit with Lock**, wide
- UG 622      **Camera Holder**
- UG 700      **Mains Cord**, length 100 cm

TP 89



# IV Poles, Videoendoscope Holders

Components / Spare Parts

Catalog page

- UG 625**      **IV Pole**
- UG 616      **IV Pole**
- UG 623      **Multifunctional Holder**
  
- UG 626**      **IV Pole**
- UG 617      **IV Pole, height-adjustable**
- UG 623      **Multifunctional Holder**

TP 94



Components / Spare Parts

Catalog page

- 13991 ET**      **Videoendoscope Holder**
- ET03-1540402 **Drip Container**
  
- 13991 DET**      **Double Videoendoscope Holder**
- ET03-1540402 **Drip Container**

TP 94



# TROLL-E Mobile Stand, SHORT-E HF Cart

## Components / Spare Parts

Catalog page

- 20020081 TROLL-E Mobile Stand**
- 20020060 **Subrack**, for mobile stand
- 20020062 **Beam Module**
- 20020047 **Shelf**

TP 96



## Components / Spare Parts

Catalog page

- 20020087 SHORT-E HF Cart**
- 20020060 **Subrack**, for mobile stand
- 20020069 **HF Shelf**

TP 96



# Pump Cart, STOR-E® Transport Cart

Components / Spare Parts

Catalog page

- 20020058 Pump Cart**
- 20020043 **Subrack**, for mobile stand
- 20020051 **Accessory Set**, for mobile stand
- 29005 PH **Pump Holder**
- 030971-01 **VACUSAFE Container Holder\***

TP 97



Components / Spare Parts

Catalog page

- 20020059 STOR-E® Transport Cart**, for POINT SETTER
- 20020053 **Mobile Stand**, for POINT SETTER
- 20020050 **Attachment Set**, for POINT SETTER
- 29005 AK **Wire Basket**

TP 97

