



**OUR TECHNOLOGY
YOUR SKILL**



LAPAROSCOPY



Our combined competences in medical endoscopy systems provide global solutions. From now on, SOPRO-COMEG forms the ideal leader with second-to-none "know-how": SOPRO in medical video imaging and COMEG in engineering endoscopy and micro lenses. Since many years, the product lines of SOPRO and COMEG have been setting the standards for image management systems with fully proven quality, efficiency, safety and convenience.

Our goal is to provide the safest and most advanced products and technologies that ensure reliable operating procedures and rapid recovery.

Synergy between our R&D Departments will result in products and systems that offer added clinical benefits and meet the requirements of patients, surgeons and the health care system even more effectively.

Engineers, mechanics, sales representatives... all our staff has one thing in common: their enthusiasm for hard work to serve our customers.

SOPRO-COMEG offers a complete range of re-usable, high quality, durable instruments for entry into the 'peritoneum'; the first and most crucial step in successful laparoscopic surgery. SOPRO-COMEG also offers a complete range of hand instruments in both monopolar and bipolar electrocautery versions.

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3CCD HD camera

Sopro 368 - 3CC HD Camera



Art.-No.	Description
S-368-0005	3CCD HD Camera, PAL, DVI
S-368-0002	3CCD HD Camera, NTSC, DVI
S-367-0002	18 mm Coupler
203024	16-34mm Zoom Coupler

Digilap

Sopro 169 Videolaparoscope

NEW



Art.-No.	Description
S-169-0001	Videolaparoscope 0° PAL*
S-169-0002	Videolaparoscope 0° NTSC*
S-169-0010	Videolaparoscope 30° PAL*
S-169-0011	Videolaparoscope 30° NTSC*
S-168-9003	1CCD CCU , NTSC, with SDI output
S-168-9002	1CCD CCU , PAL, with SDI output

*Delivered with autoclavable basket

For more information concerning these devices and our full range of products, please refer to the Equipment catalogue.

Xenon light source

Sopro 230 Xenon light source



Art.-No.	Description
S-230-0002	300 Watts, EU Power Cord
S-230-0005	300 Watts, US Power Cord
700060*	Light cable 2.30m, diam: 4.8mm

*Delivered without connector

Insufflator

Sopro 640 Insufflator



Art.-No.	Description
S-640-4002	45 L - EU Power Cord*
S-640-3005	30 L - EU Power Cord*
S-640-2002	20 L - EU Power Cord*
S-640-4003	45 L - US Power Cord
607103L	1 disposable tubing, sterile (pack of 20 pieces)

* Not for US market

LCD surgical color display

BARCO MDSC-1119



Art.-No.	Description
700056	19"HD, 1.3 Mega pixel color LCD display

17" LCD Computer Point-of-Care Terminal

Touch screen display with integrated computer



Art.-No.	Description
700078	17" LCD Point-of-Care Terminal

For more information concerning these devices and our full range of products, please refer to the Equipment catalogue.

Medical cart

Medical cart

This compact medical cart offers maximal flexibility and optimizes your working time.



Art.-No.	Description
700079	Medical cart

Equipment

Laparoscopy

Bronchoscopy / Thoracoscopy

MIS instrumentation

Accessories

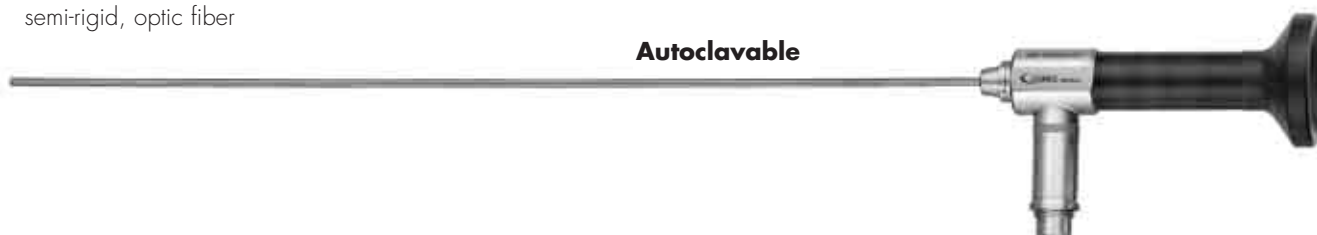
General Information

Mini hysteroscope

Mini hysteroscope Ø 2.0 mm

semi-rigid, optic fiber

Autoclavable



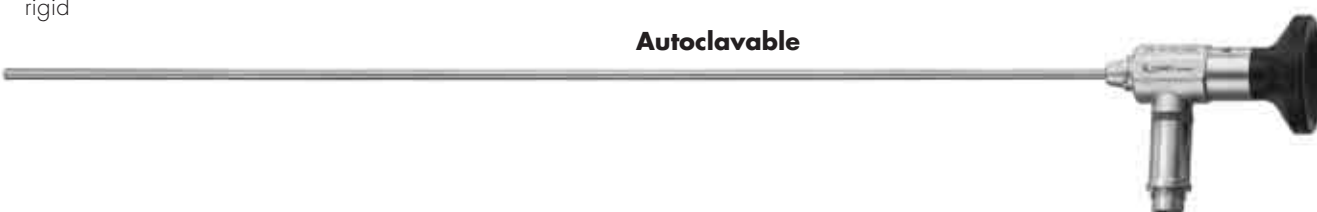
Art.-No.	Direction of view	Working length about
163 202 990	0°	235 mm

Mini laparoscopes

Mini laparoscopes Ø 3.0 mm

rigid

Autoclavable



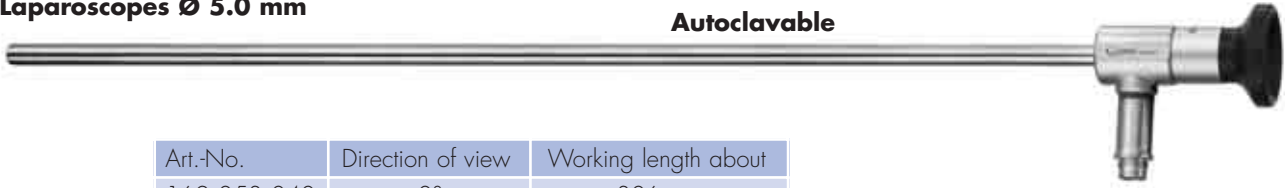
Art.-No.	Direction of view	Working length about
163 312 990	0° WA*	301 mm
163 312 992	30° WA*	301 mm

* WA "Wide angle" telescopes provide a bigger field of view.

Laparoscopes

Laparoscopes Ø 5.0 mm

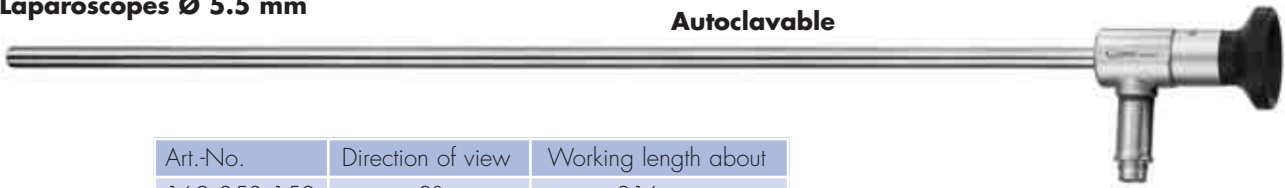
Autoclavable



Art.-No.	Direction of view	Working length about
162 053 040	0°	306 mm
162 053 042	30°	306 mm
162 053 043	45°	306 mm

Laparoscopes Ø 5.5 mm

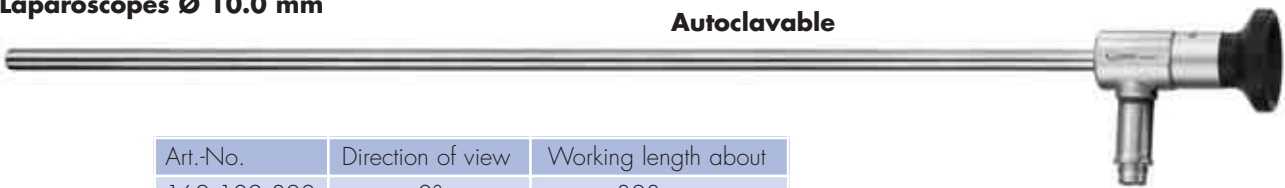
Autoclavable



Art.-No.	Direction of view	Working length about
162 053 150	0°	316 mm
162 053 152	30°	316 mm
162 053 153	45°	316 mm

Laparoscopes Ø 10.0 mm

Autoclavable

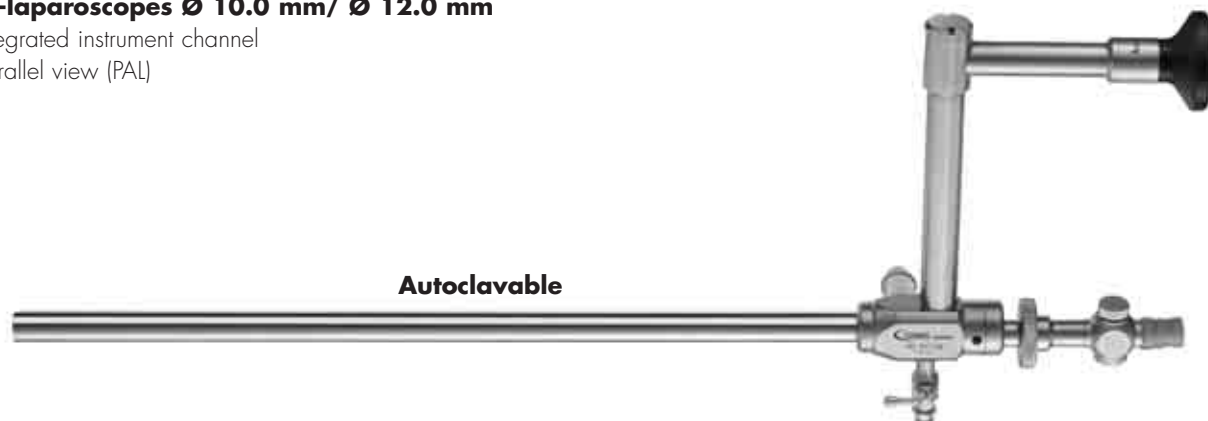


Art.-No.	Direction of view	Working length about
162 102 820	0°	323 mm
162 102 822	30°	325 mm
162 102 823	45°	325 mm

Offset-laparoscopes

Offset-laparoscopes Ø 10.0 mm/ Ø 12.0 mm

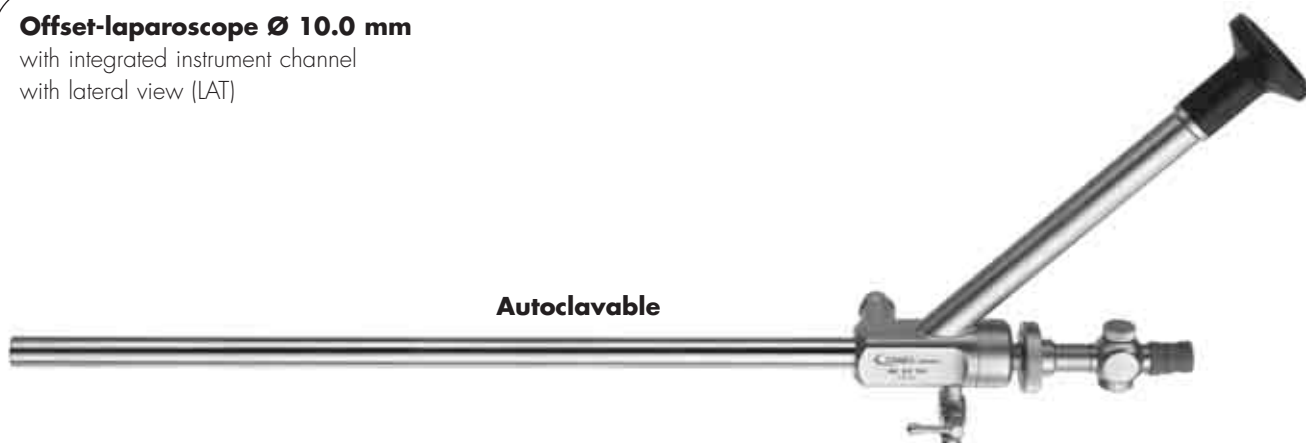
with integrated instrument channel
with parallel view (PAL)



Art.-No.	Description	Instrument channel	Working length about
162 102 730	10, 0-5.0 mm, 0° PAL	5.0 mm	268 mm
162 102 740	10, 0-6.0 mm, 0° PAL	6.0 mm	268 mm
162 122 771	12, 0-7.5 mm, 12° PAL	7.5 mm	268 mm

Offset-laparoscope Ø 10.0 mm

with integrated instrument channel
with lateral view (LAT)



Art.-No.	Description	Instrument channel	Working length about
162 102 760	10 mm, 0° LAT	6.0 mm	268 mm

Trocar sleeves

Trocar sleeves with automatic valve and stopcock

with smooth metal tube



Art.-No.	For telescopes Ø	Inner Ø	Working length about
191 031 070	3.0 mm	3.5 mm	70 mm
191 051 070	5.0 mm	5.5 mm	95 mm
191 071 071	7.0 mm	7.0 mm	95 mm
191 101 070	10.0 mm	10.0 mm	97 mm
191 111 070	10.0 mm High Flow*	11.0 mm	101 mm
191 120 070	12.0 mm	12.0 mm	98 mm

Trocar sleeves with automatic valve and stopcock

with metal tube with thread



Art.-No.	For telescopes Ø	Inner Ø	Working length about
191 051 090	5.0 mm	5.5 mm	98 mm
191 111 090	10.0 mm High Flow*	11.0 mm	105 mm
191 120 090	12.0 mm	12.0 mm	102 mm

Further working lengths upon request!

* "High Flow" for increased and optimized CO₂ insufflation while using a telescope Ø 10.0 mm.

Trocar sleeves

Trocar sleeves with silicone valve and stopcock

with smooth metal tube

distribution only outside Germany!



Art.-No.	For Telescopes Ø	Inner Ø	Working length about
191 031 080	3.0 mm	3.5 mm	70 mm
191 051 080	5.0 mm	5.5 mm	95 mm
191 101 080	10.0 mm	10.0 mm	97 mm
191 111 080	10.0 mm High Flow*	11.0 mm	101 mm
191 120 080	12.0 mm	12.5 mm	98 mm

Trocar sleeves with silicone valve and stopcock

with metal tube with thread

distribution only outside Germany!



Art.-No.	For telescopes Ø	Inner Ø	Working length about
191 051 100	5.0 mm	5.5 mm	95 mm
191 101 100	10.0 mm	10.0 mm	97 mm
191 111 100	10.0 mm High Flow*	11.0 mm	101 mm
191 120 100	12.0 mm	12.5 mm	98 mm

Further working lengths upon request!

* "High Flow" for increased and optimized CO₂ insufflation while using a telescope Ø 10.0 mm.

Trocars

Trocars with conical/ blunt tip



Art.-No.	For sleeve with Ø	Working length about
191 031 930	3.5 mm	130 mm
191 051 930	5.5 mm	166 mm
191 101 930	10.0 mm	166 mm
191 111 930	11.0 mm	166 mm
191 120 930	12.0 mm	166 mm

Trocars with pyramidal tip



Art.-No.	For sleeve with Ø	Working length about
191 031 910	3.5 mm	132 mm
191 051 910	5.5 mm	170 mm
191 071 910	6.5 mm	173 mm
191 101 910	10.0 mm	183 mm
191 111 910	11.0 mm	189 mm
191 120 910	12.0 mm	191 mm

Safety trocars



Art.-No.	For sleeve with Ø	Working length about
191 051 950	5.5 mm	160 mm
191 101 950	10.5 mm	167 mm
191 111 950	11.0 mm	171 mm
191 120 950	12.0 mm	171 mm

Verres insufflation needles

Verres insufflation needles



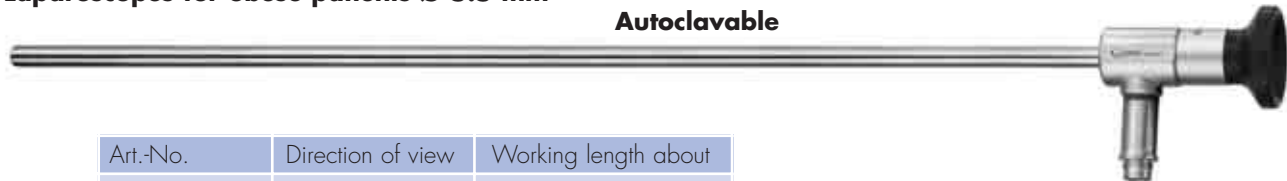
Art.-No.	Length	Outer Ø
391 020 100	100 mm	2.0 mm
391 020 120	120 mm	2.0 mm
391 020 140	140 mm	2.0 mm
391 027 100	100 mm	2.7 mm
391 027 120	120 mm	2.7 mm
391 027 150	150 mm	2.7 mm
391 027 170	170 mm	2.7 mm

Other verres insufflation needles upon request!

Bariatric surgery

Laparoscopes for obese patients Ø 5.5 mm

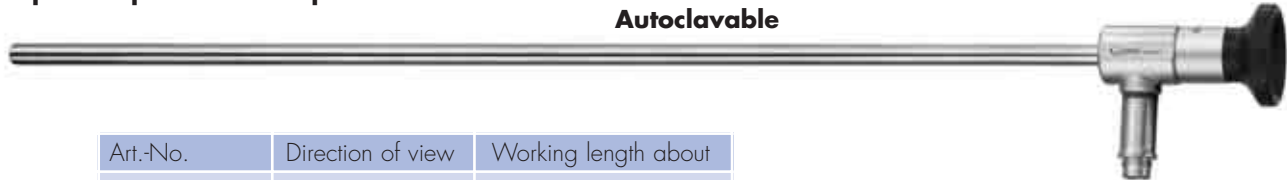
Autoclavable



Art.-No.	Direction of view	Working length about
162 054 500	0°	458 mm
162 054 502	30°	458 mm
162 054 503	45°	458 mm

Laparoscopes for obese patients Ø 10.0 mm

Autoclavable



Art.-No.	Direction of view	Working length about
162 104 500	0°	450 mm
162 104 502	30°	450 mm
162 104 503	45°	450 mm

Bariatric surgery

Trocar sleeves with automatic valve and stopcock

with smooth metal tube
for obese patients



Art.-No.	For telescopes Ø	Inner Ø	Working length about
191 051 110	5.5 mm	6.0 mm	150 mm
191 111 110	10.0 mm High Flow*	11.0 mm	150 mm

Trocar sleeves with silicone valve and stopcock

with smooth metal tube
for obese patients
distribution only outside Germany!



Art.-No.	For telescopes Ø	Inner Ø	Working length about
191 051 120	5.5 mm	6.0 mm	150 mm
191 111 120	10.0 mm High Flow*	11.0 mm	150 mm

* "High Flow" for increased and optimized CO₂ insufflation while using a telescope Ø 10.0 mm.

Trocars with pyramidal tip



Art.-No.	For sleeve with Ø	Working length about
191 051 960	6.0 mm	150 mm
191 111 960	11.0 mm	150 mm

Safety trocars



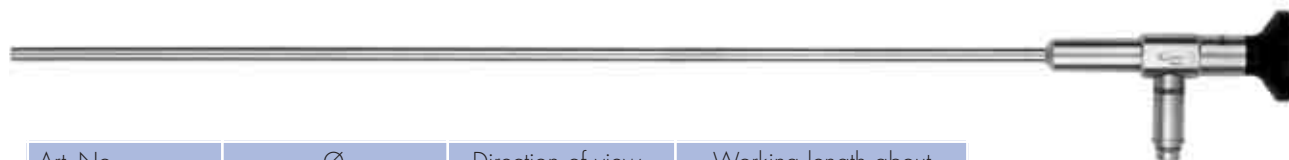
Art.-No.	For sleeve with Ø	Working length about
191 051 970	6.0 mm	150 mm
191 111 970	11.0 mm	150 mm

Bronchoscopes

Bronchoscopes

Autoclavable

NEW

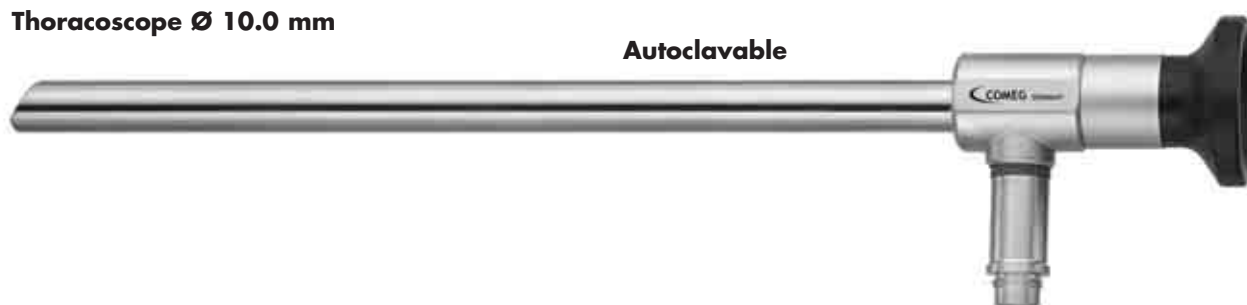


Art.-No.	Ø	Direction of view	Working length about
164 044 510	0°	4.0mm	492 mm
164 055 000	0°	5.5mm	489 mm
164 053 630	0°	5.5mm	363 mm

Thoracoscope

Thoracoscope Ø 10.0 mm

Autoclavable



Art.-No.	Direction of view	Working length about
162 101 702	30°	178 mm

Reducers

Reduce adaptors with silicone trap, plastic

Art.-No.	Ø
392 998 001	10.0 mm → 5.5 mm
392 998 002	11.0 mm → 5.5 mm
392 998 003	12.5 mm → 5.5 mm
392 998 004	12.5 mm → 10.0 mm



Sliding reduce adaptors, plastic

Art.-No.	Ø
392 998 005	10.0-12.5mm → 5.5 mm
392 998 008	12.5 mm → 10.0 mm



Appendix extractors and reducer sleeves

Art.-No.	Ø	Length
392 999 000	10.0 mm → 5.5 mm	190 mm
392 999 001	11.0 mm → 5.5 mm	190 mm
392 999 002	12.5 mm → 5.5 mm	190 mm
392 999 003	12.5 mm → 10.0 mm	190 mm



Applicator for endo ligature

also usable as reducer for 5.0/ 5.5 mm to 3.5 mm

Art.-No.	Ø	Length
392 999 010	5.5 mm → 4.0 mm	180 mm



Dilatation set

Dilatation sets

consisting of:
dilator sleeve
dilator

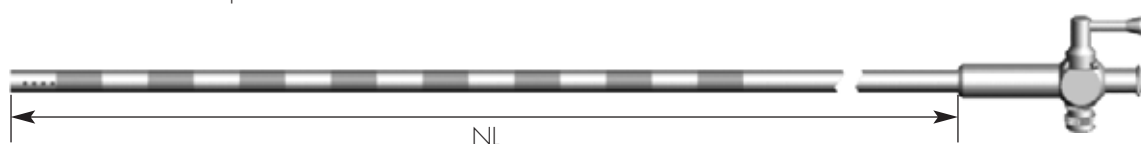


Art.-No.	Ø
392 999 100	5.0 mm → 10.0 mm
392 999 111	5.0 mm → 11.0 mm

Suction and irrigation tubes

Suction and irrigation tubes graduated

with Luer-Lock connection and stopcock



Art.-No.	Outer Ø	Length
392 999 213	5.0 mm	330 mm
392 999 212	5.0 mm	450 mm

Suction and irrigation tube

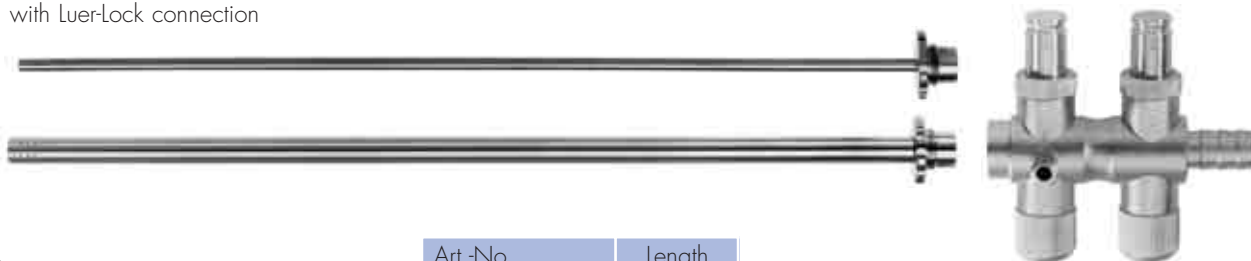
with Luer-Lock connection



Art.-No.	Outer Ø	Length
392 999 201	5.0 mm	330 mm

Set of suction and irrigation tubes

with interchangeable tubes Ø 5.0 mm and Ø 10.0 mm
with Luer-Lock connection



Art.-No.	Length
392 999 202	330 mm

Instrumentation

Palpation probes, graduated



Art.-No.	Outer Ø	Length
392 999 300	5.0 mm	330 mm
392 999 299	5.0 mm	450 mm

Injection and punction needles

length of needle: 20 mm



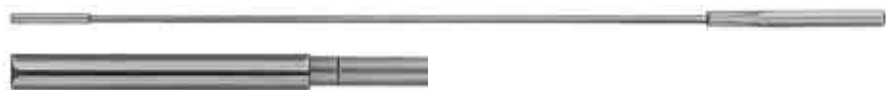
Art.-No.	Outer Ø	Total length
392 999 301	5.0 mm	330 mm
392 999 302	5.0 mm	450 mm

Knot guide with loop



Art.-No.	Outer Ø	Length
392 999 400	4.0 mm	330 mm

Knot guide with slit



Art.-No.	Outer Ø	Length
392 999 401	4.5 mm	330 mm

Electrodes



Button electrodes

Art.-No.	Outer Ø	Working length about
392 999 500	5.0 mm	330 mm
392 999 510	5.0 mm	450 mm



Loop electrodes

Art.-No.	Outer Ø	Working length about
392 999 502	5.0 mm	330 mm
392 999 512	5.0 mm	450 mm



Hook electrodes

Art.-No.	Outer Ø	Working length about
392 999 503	5.0 mm	330 mm
392 999 513	5.0 mm	450 mm



Needle electrodes

Art.-No.	Outer Ø	Working length about
392 999 504	5.0 mm	330 mm
392 999 514	5.0 mm	450 mm



Spatula electrodes

Art.-No.	Outer Ø	Working length about
392 999 505	5.0 mm	330 mm
392 999 515	5.0 mm	450 mm



Electrodes



Monopolar electrodes

Button electrodes

Art.-No.	Outer Ø	Working length about
392 999 600	5.0 mm	330 mm
392 999 610	5.0 mm	450 mm



Loop electrodes

Art.-No.	Outer Ø	Working length about
392 999 602	5.0 mm	330 mm
392 999 612	5.0 mm	450 mm



Hook electrodes

Art.-No.	Outer Ø	Working length about
392 999 603	5.0 mm	330 mm
392 999 613	5.0 mm	450 mm



Needle electrodes

Art.-No.	Outer Ø	Working length about
392 999 604	5.0 mm	330 mm
392 999 614	5.0 mm	450 mm

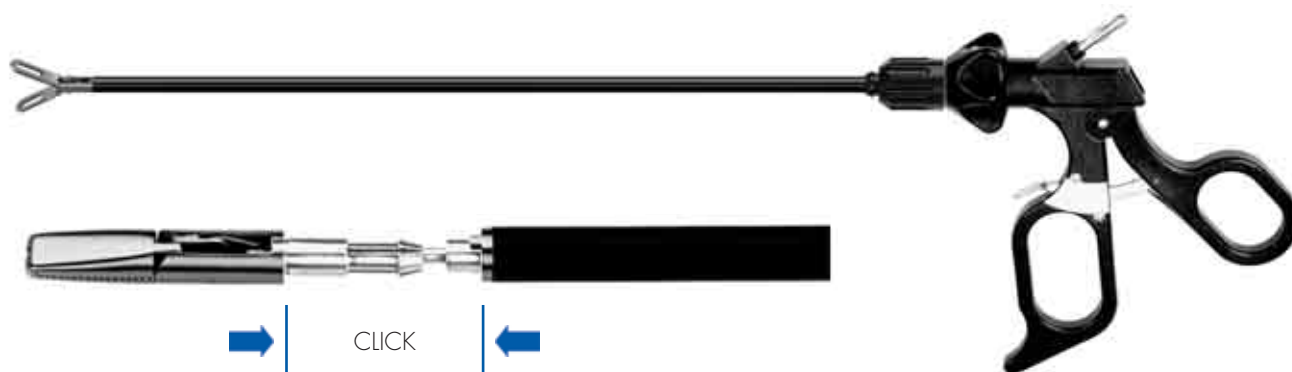


Spatula electrodes

Art.-No.	Outer Ø	Working length about
392 999 606	5.0 mm	330 mm
392 999 616	5.0 mm	450 mm



Instrumentation

**Mechanical snap-action coupling**

The modular laparoscopic instruments with $\varnothing$ 5 mm and $\varnothing$ 10 mm have a unique snap-action coupling which offers the combined advantage of the speediest possible assembly and a long service life.

The union of the working insert and sleeve shaft is achieved by simply inserting the components axially into each other: A simple click and you are ready!

The groove-and-tongue principle practically rules out the possibility of the locking mechanism coming undone, as it is the case with conventional screw or bayonet connections.

**Nut stopper**

A nut on the sleeve shaft of our modular instruments prevents bothersome slipping or even the loss of the union nut.

Working lengths

All listed instruments with a **diameter of 5 mm/ 10 mm** have a **standard working length of 330 mm**. These instruments are also available with a working length of 360 mm or 450 mm.

Our instruments for **pediatrics with diameter of 3 mm** are available with a **standard working length of 210 mm**. Further working lengths of 180 mm or 330 mm are obtainable as well.

Please issue your orders according the following example:

Art.Nr. 393 530 001- **450 (required working length)**

Rigid plastic handles

Plastic handle without ratchet



Art.-No.
393 011 100

Plastic handle with ratchet



Art.-No.
393 021 100

Plastic handle with ratchet



Art.-No.
393 031 100

HF cables

Monopolar HF cables m/f

Art.-No.	Generator type	Length
395 502 500	ERBE T-Series	3 m
395 502 501	ERBE T-Series	5 m
395 502 502	ERBE ACC/ ICC	3 m
395 502 503	MARTIN/ BERCHTOLD	3 m
395 502 504	MARTIN/ BERCHTOLD	5 m
395 502 505	VALLEYLAB/ CONMED	3 m
395 502 506	VALLEYLAB/ CONMED	5 m
395 502 507	various generators	3 m
395 502 508	various generators	5 m

395 502 500



395 502 503



395 502 505



395 502 507



Metal handles

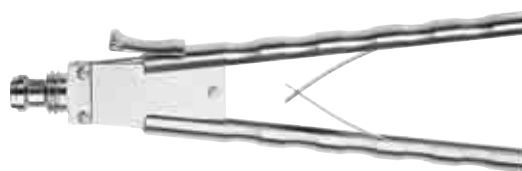
Metal handle with ratchet



Version 4

Art.-No.
393 041 100

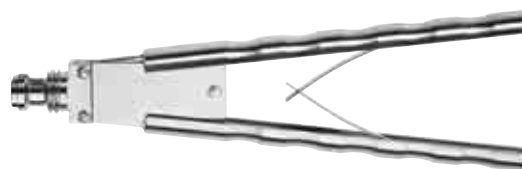
Metal handle with spring and ratchet



Version 5

Art.-No.
393 051 100

Metal handle with spring



Version 6

Art.-No.
393 061 100

Tube shafts

Tube shaft insulated

length 330 mm



Art.-No.	Outer Ø
393 501 100	5.0 mm

Tube shaft insulated

length 330 mm



Art.-No.	Outer Ø
393 901 100	10.0 mm

Upon request also available in lengths 360 mm or 450 mm!

Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Scissors Metzenbaum straight

Art.-No.	Description
393 500 050	insert only
393 510 050	with tube shaft and handle version 1
393 560 050	with tube shaft and handle version 6



Scissors Metzenbaum curved

Art.-No.	Description
393 500 051	insert only
393 510 051	with tube shaft and handle version 1
393 560 051	with tube shaft and handle version 6



Scissors

straight, single action jaw

Art.-No.	Description
393 500 061	insert only
393 510 061	with tube shaft and handle version 1
393 560 061	with tube shaft and handle version 6



Hook scissors

single action jaws

Art.-No.	Description
393 500 065	insert only
393 510 065	with tube shaft and handle version 1
393 560 065	with tube shaft and handle version 6



Micro scissors straight

single action jaws

Art.-No.	Description
393 500 003	insert only
393 510 003	with tube shaft and handle version 1
393 560 003	with tube shaft and handle version 6



Micro scissors curved

single action jaws

Art.-No.	Description
393 500 004	insert only
393 510 004	with tube shaft and handle version 1
393 560 004	with tube shaft and handle version 6



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Grasping forceps 2x3 teeth

single action jaws

Art.-No.	Description
393 500 001	insert only
393 510 001	with tube shaft and handle version 1
393 520 001	with tube shaft and handle version 2
393 530 001	with tube shaft and handle version 3

**Grasping forceps 2x4 teeth**

traumatic

Art.-No.	Description
393 500 005	insert only
393 510 005	with tube shaft and handle version 1
393 520 005	with tube shaft and handle version 2
393 530 005	with tube shaft and handle version 3

**Grasping forceps heavy serrated**

Art.-No.	Description
393 500 012	insert only
393 510 012	with tube shaft and handle version 1
393 520 012	with tube shaft and handle version 2
393 530 012	with tube shaft and handle version 3

**Grasping forceps Alligator**

Art.-No.	Description
393 500 014	insert only
393 510 014	with tube shaft and handle version 1
393 520 014	with tube shaft and handle version 2
393 530 014	with tube shaft and handle version 3

**Universal grasping forceps**

Art.-No.	Description
393 500 018	insert only
393 510 018	with tube shaft and handle version 1
393 520 018	with tube shaft and handle version 2
393 530 018	with tube shaft and handle version 3

**Grasping forceps distal with teeth**

atraumatic, single action jaws

Art.-No.	Description
393 500 030	insert only
393 510 030	with tube shaft and handle version 1
393 520 030	with tube shaft and handle version 2
393 530 030	with tube shaft and handle version 3



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Grasping forceps atraumatic

Art.-No.	Description
393 500 009	insert only
393 510 009	with tube shaft and handle version 1
393 520 009	with tube shaft and handle version 2
393 530 009	with tube shaft and handle version 3



Grasping forceps jaw length 18 mm

atraumatic, crosswise teeth

Art.-No.	Description
393 500 020	insert only
393 510 020	with tube shaft and handle version 1
393 520 020	with tube shaft and handle version 2
393 530 020	with tube shaft and handle version 3



Grasping forceps jaw length 14 mm

atraumatic, crosswise teeth

Art.-No.	Description
393 500 019	insert only
393 510 019	with tube shaft and handle version 1
393 520 019	with tube shaft and handle version 2
393 530 019	with tube shaft and handle version 3



Grasping forceps Maryland

Art.-No.	Description
393 500 042	insert only
393 510 042	with tube shaft and handle version 1
393 520 042	with tube shaft and handle version 2
393 530 042	with tube shaft and handle version 3



Grasping forceps Kelly

Art.-No.	Description
393 500 043	insert only
393 510 043	with tube shaft and handle version 1
393 520 043	with tube shaft and handle version 2
393 530 043	with tube shaft and handle version 3



Grasping forceps Dolphin

Art.-No.	Description
393 500 024	insert only
393 510 024	with tube shaft and handle version 1
393 520 024	with tube shaft and handle version 2
393 530 024	with tube shaft and handle version 3



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

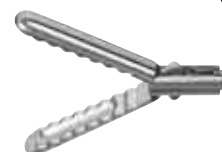
Grasping forceps atraumatic serrated

single action jaws

Art.-No.	Description
393 500 028	insert only
393 510 028	with tube shaft and handle version 1
393 520 028	with tube shaft and handle version 2
393 530 028	with tube shaft and handle version 3

**Grasping forceps atraumatic serrated**

Art.-No.	Description
393 500 029	insert only
393 510 029	with tube shaft and handle version 1
393 520 029	with tube shaft and handle version 2
393 530 029	with tube shaft and handle version 3

**Grasping forceps with spoon**

Art.-No.	Description
393 500 010	insert only
393 510 010	with tube shaft and handle version 1
393 520 010	with tube shaft and handle version 2
393 530 010	with tube shaft and handle version 3

**Grasping forceps tapered**

with spoon

Art.-No.	Description
393 500 011	insert only
393 510 011	with tube shaft and handle version 1
393 520 011	with tube shaft and handle version 2
393 530 011	with tube shaft and handle version 3

**Biopsy forceps**

Art.-No.	Description
393 500 007	insert only
393 510 007	with tube shaft and handle version 1
393 520 007	with tube shaft and handle version 2
393 530 007	with tube shaft and handle version 3

**Biopsy forceps with thorn**

Art.-No.	Description
393 500 006	insert only
393 510 006	with tube shaft and handle version 1
393 520 006	with tube shaft and handle version 2
393 530 006	with tube shaft and handle version 3



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Biopsy forceps with multiple teeth

Art.-No.	Description
393 500 015	insert only
393 510 015	with tube shaft and handle version 1
393 520 015	with tube shaft and handle version 2
393 530 015	with tube shaft and handle version 3



Biopsy punch single action jaws

Art.-No.	Description
393 500 068	insert only
393 510 068	with tube shaft and handle version 1
393 520 068	with tube shaft and handle version 2
393 530 068	with tube shaft and handle version 3



Dissecting forceps slim, fenestrated

Art.-No.	Description
393 500 031	insert only
393 510 031	with tube shaft and handle version 1
393 520 031	with tube shaft and handle version 2
393 530 031	with tube shaft and handle version 3



Dissecting forceps fenestrated

Art.-No.	Description
393 500 033	insert only
393 510 033	with tube shaft and handle version 1
393 520 033	with tube shaft and handle version 2
393 530 033	with tube shaft and handle version 3



Dissecting forceps fenestrated

Art.-No.	Description
393 500 034	insert only
393 510 034	with tube shaft and handle version 1
393 520 034	with tube shaft and handle version 2
393 530 034	with tube shaft and handle version 3



Grasping forceps fenestrated

single action jaws

Art.-No.	Description
393 500 035	insert only
393 510 035	with tube shaft and handle version 1
393 520 035	with tube shaft and handle version 2
393 530 035	with tube shaft and handle version 3



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Grasping forceps Dorsey fenestrated

Art.-No.	Description
393 500 032	insert only
393 510 032	with tube shaft and handle version 1
393 520 032	with tube shaft and handle version 2
393 530 032	with tube shaft and handle version 3

**Grasping forceps Dorsey fenestrated single action jaws**

Art.-No.	Description
393 500 036	insert only
393 510 036	with tube shaft and handle version 1
393 520 036	with tube shaft and handle version 2
393 530 036	with tube shaft and handle version 3

**Grasping forceps Dorsey fenestrated, jaw length 40 mm**

Art.-No.	Description
393 500 039	insert only
393 510 039	with tube shaft and handle version 1
393 520 039	with tube shaft and handle version 2
393 530 039	with tube shaft and handle version 3

**Grasping forceps Mixer 90°**

Art.-No.	Description
393 500 008	insert only
393 510 008	with tube shaft and handle version 1
393 520 008	with tube shaft and handle version 2
393 530 008	with tube shaft and handle version 3

**Clamp with De Bakey teeth**

Art.-No.	Description
393 500 038	insert only
393 510 038	with tube shaft and handle version 1
393 520 038	with tube shaft and handle version 2
393 530 038	with tube shaft and handle version 3

**Clamp De Bakey**

Art.-No.	Description
393 500 037	insert only
393 510 037	with tube shaft and handle version 1
393 520 037	with tube shaft and handle version 2
393 530 037	with tube shaft and handle version 3



Instrumentation - Ø 5 mm, 330 mm

also in 360 mm or 450 mm

Clamp Babcock

Art.-No.	Description
393 500 045	insert only
393 510 045	with tube shaft and handle version 1
393 520 045	with tube shaft and handle version 2
393 530 045	with tube shaft and handle version 3



Needle holder straight

single action jaws

Art.-No.	Description
393 500 046	insert only
393 540 046	with tube shaft and handle version 4
393 550 046	with tube shaft and handle version 5
393 560 046	with tube shaft and handle version 6



Needle holder right curved

single action jaws

Art.-No.	Description
393 500 047	insert only
393 540 047	with tube shaft and handle version 4
393 550 047	with tube shaft and handle version 5
393 560 047	with tube shaft and handle version 6



Needle holder left curved

single action jaws

Art.-No.	Description
393 500 048	insert only
393 540 048	with tube shaft and handle version 4
393 550 048	with tube shaft and handle version 5
393 560 048	with tube shaft and handle version 6



Needle holder with teeth

convex/concave shaped jaws,
single action jaws

Art.-No.	Description
393 500 049	insert only
393 530 049	with tube shaft and handle version 3
393 540 049	with tube shaft and handle version 4
393 550 049	with tube shaft and handle version 5
393 560 049	with tube shaft and handle version 6



Instrumentation - Ø 10 mm, 330 mm

also in 360 mm or 450 mm

OP scissors

single action jaws

Art.-No.	Description
393 900 002	insert only
393 910 002	with tube shaft and handle version 1
393 960 002	with tube shaft and handle version 6

**Spoon forceps large**

single action jaws

Art.-No.	Description
393 900 072	insert only
393 910 072	with tube shaft and handle version 1
393 920 072	with tube shaft and handle version 2
393 930 072	with tube shaft and handle version 3

**Claw grasping forceps**

2x3 teeth, single action jaws

Art.-No.	Description
393 900 070	insert only
393 910 070	with tube shaft and handle version 1
393 920 070	with tube shaft and handle version 2
393 930 070	with tube shaft and handle version 3

**Grasping forceps Maryland**

Art.-No.	Description
393 900 005	insert only
393 910 005	with tube shaft and handle version 1
393 920 005	with tube shaft and handle version 2
393 930 005	with tube shaft and handle version 3

**Grasping forceps Mixter 90°**

Art.-No.	Description
393 900 007	insert only
393 910 007	with tube shaft and handle version 1
393 920 007	with tube shaft and handle version 2
393 930 007	with tube shaft and handle version 3



Instrumentation - Ø 10 mm, 330 mm

also in 360 mm or 450 mm

Grasping forceps Dorsey

Art.-No.	Description
393 900 033	insert only
393 910 033	with tube shaft and handle version 1
393 920 033	with tube shaft and handle version 2
393 930 033	with tube shaft and handle version 3



Clamp with De Bakey teeth

Art.-No.	Description
393 900 043	insert only
393 910 043	with tube shaft and handle version 1
393 920 043	with tube shaft and handle version 2
393 930 043	with tube shaft and handle version 3



Grasping forceps Babcock

Art.-No.	Description
393 900 045	insert only
393 910 045	with tube shaft and handle version 1
393 920 045	with tube shaft and handle version 2
393 930 045	with tube shaft and handle version 3



Clamp De Bakey

double teeth, jaw length 40 mm

Art.-No.	Description
393 900 056	insert only
393 910 056	with tube shaft and handle version 1
393 920 056	with tube shaft and handle version 2
393 930 056	with tube shaft and handle version 3



Clamp Babcock

Art.-No.	Description
393 900 073	insert only
393 910 073	with tube shaft and handle version 1
393 920 073	with tube shaft and handle version 2
393 930 073	with tube shaft and handle version 3



Instrumentation - Ø 10 mm, 330 mm

also in 360 mm or 450 mm

Grasping forceps Babcock

Art.-No.	Description
393 900 041	insert only
393 910 041	with tube shaft and handle version 1
393 920 041	with tube shaft and handle version 2
393 930 041	with tube shaft and handle version 3



Clamp Collin

Art.-No.	Description
393 900 035	insert only
393 910 035	with tube shaft and handle version 1
393 920 035	with tube shaft and handle version 2
393 930 035	with tube shaft and handle version 3



Clamp Pennington

Art.-No.	Description
393 900 031	insert only
393 910 031	with tube shaft and handle version 1
393 920 031	with tube shaft and handle version 2
393 930 031	with tube shaft and handle version 3



Pediatric instrumentation - Ø 3 mm, 210 mm

also in 180 mm or 330 mm

Scissors Metzenbaum straight

Art.-No.	Description
393 300 050	insert with tube shaft only
393 310 050	with tube shaft and handle version 1
393 360 050	with tube shaft and handle version 6



Scissors Metzenbaum curved

Art.-No.	Description
393 300 051	insert with tube shaft only
393 310 051	with tube shaft and handle version 1
393 360 051	with tube shaft and handle version 6



Pediatric instrumentation - Ø 3 mm, 210 mm

also in 180 mm or 330 mm

Scissors straight

single action jaws

Art.-No.	Description
393 300 061	insert with tube shaft only
393 310 061	with tube shaft and handle version 1
393 360 061	with tube shaft and handle version 6



Hook scissors

single action jaws

Art.-No.	Description
393 300 065	insert with tube shaft only
393 310 065	with tube shaft and handle version 1
393 360 065	with tube shaft and handle version 6



Micro scissors straight

single action jaws

Art.-No.	Description
393 300 003	insert with tube shaft only
393 310 003	with tube shaft and handle version 1
393 360 003	with tube shaft and handle version 6



Biopsy forceps

Art.-No.	Description
393 300 007	insert with tube shaft only
393 310 007	with tube shaft and handle version 1
393 320 007	with tube shaft and handle version 2
393 330 007	with tube shaft and handle version 3



Biopsy forceps with thorn

Art.-No.	Description
393 300 006	insert with tube shaft only
393 310 006	with tube shaft and handle version 1
393 320 006	with tube shaft and handle version 2
393 330 006	with tube shaft and handle version 3



Universal grasping forceps

Art.-No.	Description
393 300 018	insert with tube shaft only
393 310 018	with tube shaft and handle version 1
393 320 018	with tube shaft and handle version 2
393 330 018	with tube shaft and handle version 3



Pediatric instrumentation - Ø 3 mm, 210 mm

also in 180 mm or 330 mm

Grasping forceps Maryland

Art.-No.	Description
393 300 043	insert with tube shaft only
393 310 043	with tube shaft and handle version 1
393 320 043	with tube shaft and handle version 2
393 330 043	with tube shaft and handle version 3

**Dissecting forceps fenestrated**

Art.-No.	Description
393 300 034	insert with tube shaft only
393 310 034	with tube shaft and handle version 1
393 320 034	with tube shaft and handle version 2
393 330 034	with tube shaft and handle version 3

**Grasping forceps with spoon**

Art.-No.	Description
393 300 010	insert with tube shaft only
393 310 010	with tube shaft and handle version 1
393 320 010	with tube shaft and handle version 2
393 330 010	with tube shaft and handle version 3

**Grasping forceps tapered with spoon**

Art.-No.	Description
393 300 011	insert with tube shaft only
393 310 011	with tube shaft and handle version 1
393 320 011	with tube shaft and handle version 2
393 330 011	with tube shaft and handle version 3

**Grasping forceps Dolphin**

Art.-No.	Description
393 300 024	insert with tube shaft only
393 310 024	with tube shaft and handle version 1
393 320 024	with tube shaft and handle version 2
393 330 024	with tube shaft and handle version 3

**Grasping forceps jaw length 12 mm**

atraumatic, crosswise teeth

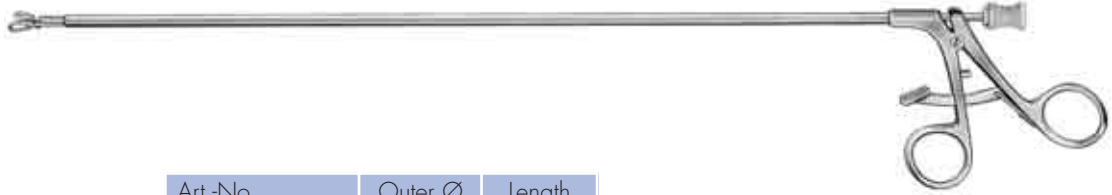
Art.-No.	Description
393 300 019	insert with tube shaft only
393 310 019	with tube shaft and handle version 1
393 320 019	with tube shaft and handle version 2
393 330 019	with tube shaft and handle version 3



Instrumentation

Cholangiogram clamp

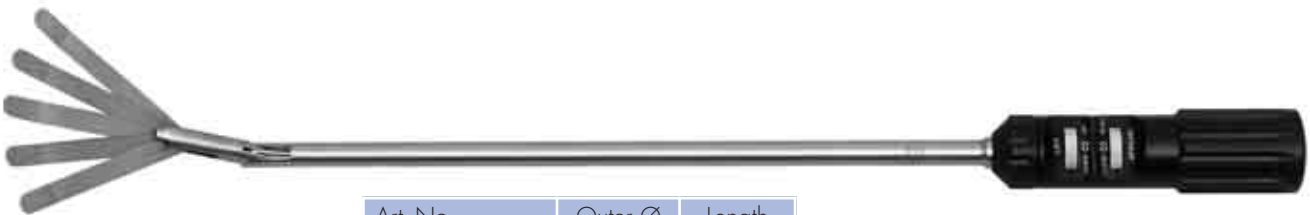
with ratchet



Art.-No.	Outer Ø	Length
393 999 700	5.0 mm	330 mm

Liver elevator with 5 fingers (68 mm long)

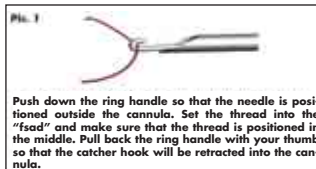
with double function: spreading and lifting up dismantable



Art.-No.	Outer Ø	Length
392 995 001	10.0 mm	330 mm
392 995 003	5.0mm	333mm
with cleaning part		

Fascial closure assisting device for abdominal wall closure

NEW



Push down the ring handle so that the needle is positioned outside the cannula. Set the thread into the "fsad" and make sure that the thread is positioned in the middle. Pull back the ring handle with your thumb so that the catcher hook will be retracted into the cannula.



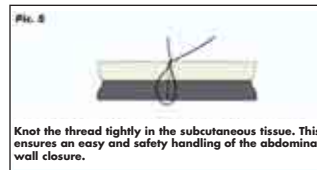
Penetrate the "fsad" through the subcutaneous tissue (using the incision of the trocar in the abdominal wall. Make sure that the catcher hook is always retracted during the procedure. After that, push down the ring handle so that the catcher hook comes out of the cannula. Now you can release the thread. Then retract the catcher hook by pulling the ring handle and extract the "fsad".



Now penetrate the "fsad" on the other side of the Trocar (Fig.2). - Please make sure again that the catcher hook is retracted during this procedure. When you have to come through the subcutaneous tissue push down the ring handle so that the catcher hook comes out. Take the loose end of the thread by making use of the catcher-hook.



Pull the ring handle to retract the catcher hook again. Then remove the "fsad" with the thread followed by the extraction of the trocar sleeve.



Knot the thread tightly in the subcutaneous tissue. This ensures an easy and safety handling of the abdominal wall closure.

Art.-No.	Outer Ø	Working length about
392 999 402	2,3°	140 mm

Abdominal specula



Art.-No.
392 996 002

Clip applying forceps

Clip applying forceps for small or medium titanium clips (Ethicon)

360° rotatable
dismountable



Art.-No.	Outer Ø	Length
392 999 802	5.0 mm	330 mm

Clip applying forceps for medium or medium-large titanium clips (Ethicon)

360° rotatable
dismountable



Art.-No.	Outer Ø	Length
392 999 800	10.0 mm	330 mm

Ethicon titanium clip

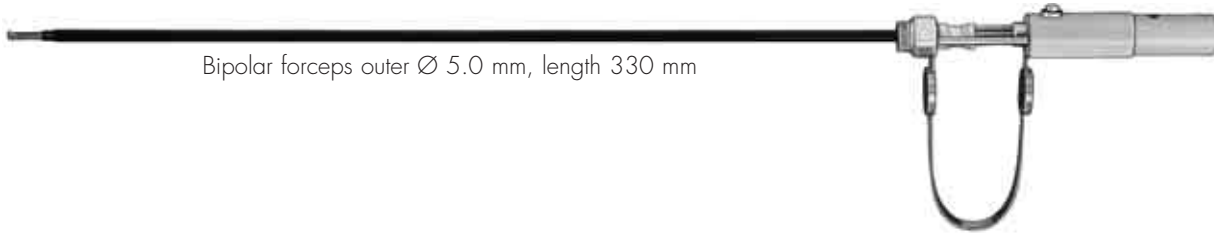
18 x 6 pieces

without illustration

Art.-No.
392 999 801 medium-large
392 999 803 large

Bipolar forceps

Bipolar forceps outer Ø 5.0 mm, length 330 mm



Bipolar forceps

Art.-No.	Description	Outer Ø	Length
392 993 101	handle/insert only	5.0 mm	330 mm
392 993 001	instrument complete (insert, tube, handle)	5.0 mm	330 mm



Bipolar forceps

Art.-No.	Description	Outer Ø	Length
392 993 102	handle/insert only	5.0 mm	330 mm
392 993 002	instrument complete (insert, tube, handle)	5.0 mm	330 mm



Bipolar forceps

Art.-No.	Description	Outer Ø	Length
392 993 103	handle/insert only	5.0 mm	330 mm
392 993 003	instrument complete (insert, tube, handle)	5.0 mm	330 mm



Plastic tube

Art.-No.	Description	Outer Ø	Length
392 993 006	tube only	5.0 mm	330 mm



Handle

Art.-No.	Description	Outer Ø	Length
392 993 005	handle only	5.0 mm	330 mm



Bipolar HF cables m/f

Art.-No.	Generator type	Length
390 803 000	SELECT/ ERBE	3 m
390 805 000	SELECT/ ERBE	5 m
390 813 000	MARTIN	3 m
390 815 000	MARTIN	5 m
390 823 000	AESCU LAP	3 m
390 825 000	AESCU LAP	5 m
390 833 000	CODMAN	3 m
390 835 000	CODMAN	5 m
390 843 000	american units	3 m
390 845 000	american units	5 m

without illustration

Accessories for maintenance, cleaning and sterilization

Sterilization baskets

- for telescopes for Laparoscopy, Gynecology and Cystoscopy
- incl. lid and silicone endoscope holder
- for best possible handling during treatment (cleaning, sterilization, etc.)
- maximum protection against damage
- suitable for steam sterilization, gas sterilization, plasma sterilization

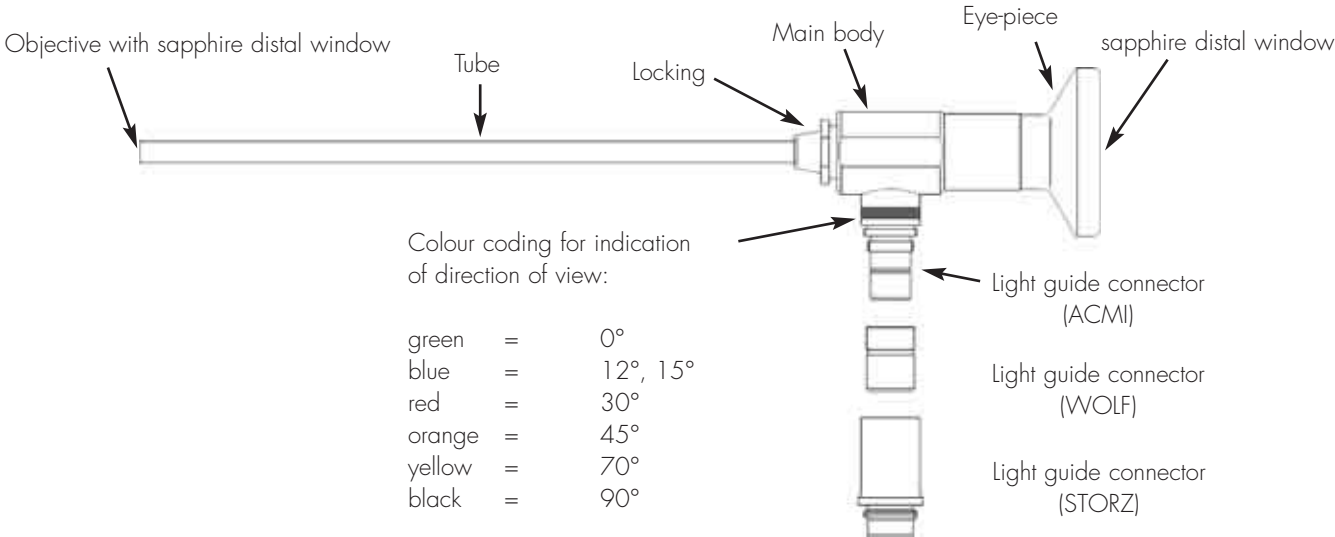


Art.-No.	Dimension
390 400 110	460 x 80 x 52 mm
390 400 100	290 x 80 x 52mm

Innovation

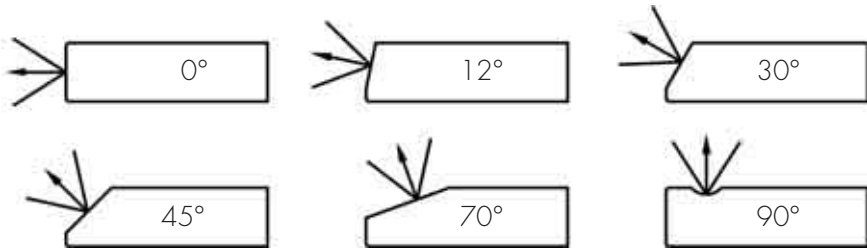
SOPRO-COMEG is permanently improving the quality of its products (stainless steel, design,...).
Modifications of technical specifications or design are therefore subject to change without prior notice.

All information and illustrations are without obligation. Subject to change without prior notice!



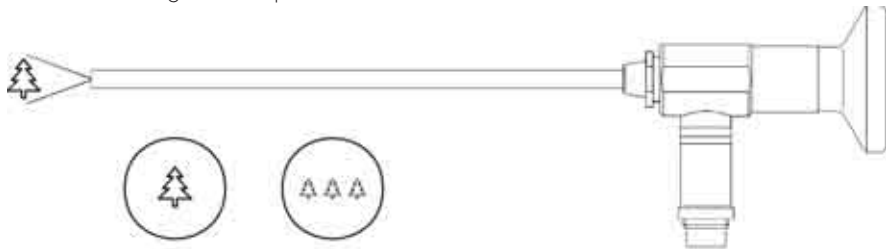
Direction of view

Direction of view is defined by the angle between the deviation of the middle beam and the axis of the optical system.



Field of view

Field of view is defined by the angle between the most left and right peripheral beam of the image.
It is important for the distinction of wide-angle and standard-angle telescopes.



Autoclavable telescopes

are the standard versions of SOPRO-COMEG telescopes.

They are soakable in disinfectant solution, ETO-sterilizable or autoclavable.

They comply with our high-quality and all functions are tested 100% before being delivered.

**Table of measures**

French (Fr.)			d/mm	French (Fr.)			d/mm
1	≈		0.3	16	≈		5.3
2	≈		0.7	17	≈		5.7
3	=		1.0	18	=		6.0
4	≈		1.3	19	≈		6.3
5	≈		1.7	20	≈		6.7
6	=		2.0	21	=		7.0
7	≈		2.3	22	≈		7.3
8	≈		2.7	23	≈		7.7
9	=		3.0	24	=		8.0
10	≈		3.3	25	≈		8.3
11	≈		3.7	26	≈		8.7
12	=		4.0	27	=		9.0
13	≈		4.3	28	≈		9.3
14	≈		4.7	29	≈		9.7
15	=		5.0	30	=		10.0

Please note:

Handling and maintenance instructions for SOPRO-COMEG endoscopes for medical use.

Custom-made devices

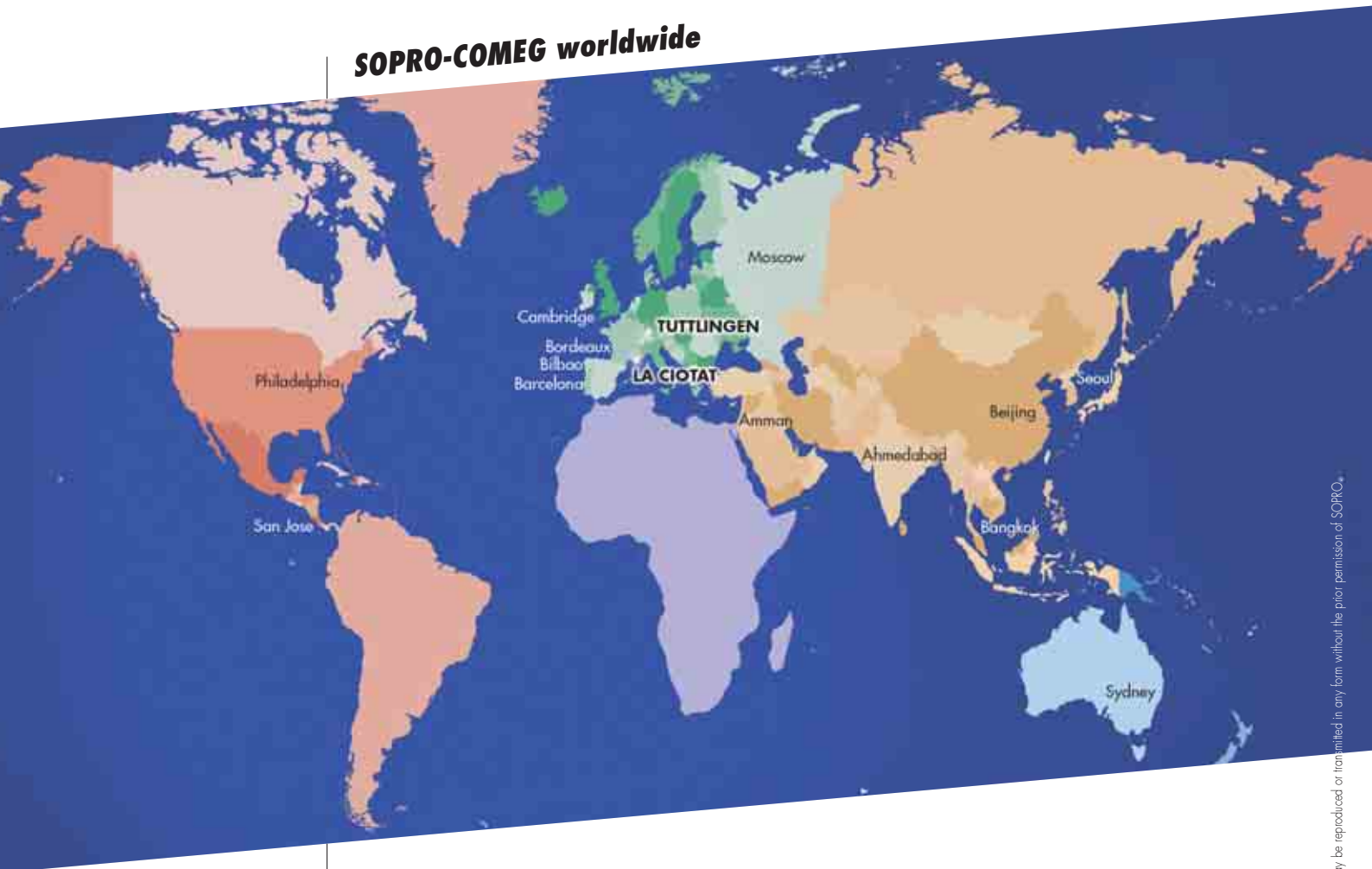
Of course we are able to supply you additionally to the standard optics with telescopes for other various applications.

Furthermore we are able to combine our various optical calculations to build up new or modified telescopes upon the users request.

If you have any questions or suggestions please do not hesitate to contact us.



SOPRO-COMEG worldwide



SOPRO-COMEG COMMITMENTS

Customer proximity

Direct and quick communication with our local sales force.

National placed inventory to ensure quick delivery time.

Service

Worldwide service centres to ease and fasten the support of our complete product line.

R&D

A network of 50 engineers to foster on products innovations and new technologies.



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