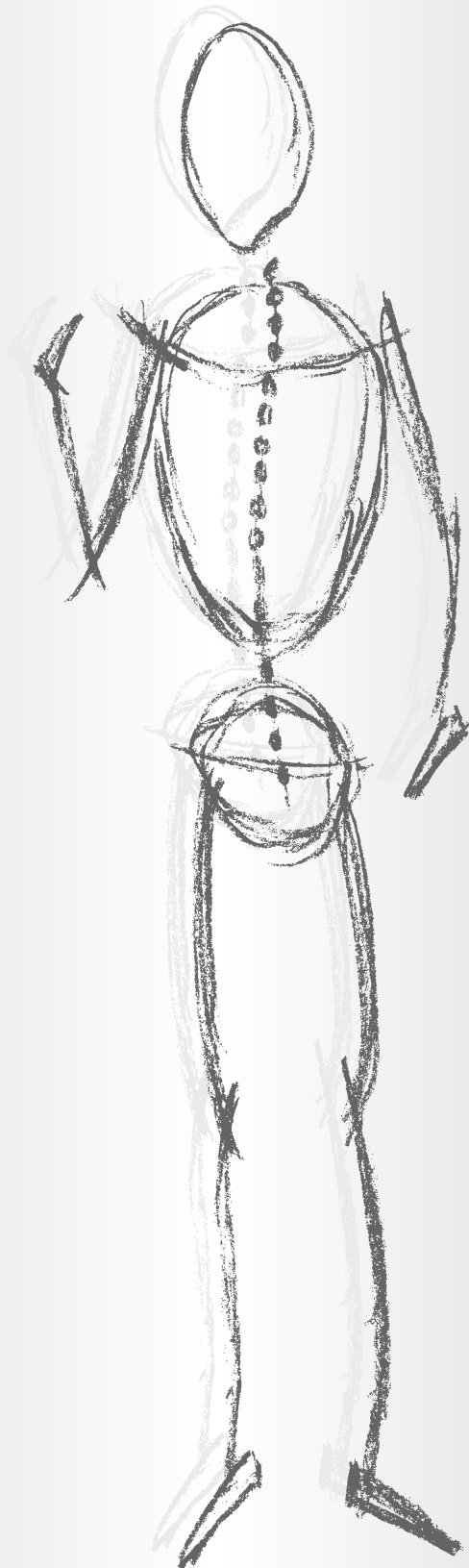




LAPAROSCOPY

REDA

INSTRUMENTE GMBH



Laparoscopes	1
Trocar sleeves and accessories	2
Forceps	3
Scissors and biopsy forceps	4
Needleholder and suture instruments	5
HF-Instruments and accessories	6
Suction-Irrigation-Systems and accessories	7
Cholangiography	8
Palpation and retractors	9
Pediatric instruments	10
Thoracic instruments	11
Gynecology instruments	12
Urology retractor	13
Light Cable and connectors	14

IMPORTANT INFORMATION CONCERNING PREPARING AND STERILIZING SURGICAL INSTRUMENTS

Dear Sirs,
please read the following instructions very carefully before using the instruments.

1. INITIAL USE

All instruments which are being used for the first time must be thoroughly cleaned, rinsed and then sterilized before using.

2. TREATING INSTRUMENTS AFTER USAGE

- a.) The instruments might be immediately thoroughly cleaned and disinfected. Please follow the manufacturer's instructions when using cleaning agents and disinfectants.
- b.) Instruments which may be dismantled must be cleaned and disinfected after being taken apart.
- c.) Cleaning may be carried out either manually or with a machine. Care should be taken that only cleaning agents and disinfectants are used, which are changed daily.
- d.) Following chemical disinfection and manual cleaning, all instruments must always be thoroughly rinsed under running water.
- e.) The temperature of water used in a machine for cleaning should not exceed 45°C.
- f.) Whether cleaning is carried out manually or by machine, we especially ask you to ensure that the correct dosage for cleaning solutions or the correct combination of disinfectant and cleaning solution, is employed. Similar importance should be applied to the length of time the agents require to perform properly and to the temperature set.
- g.) Hinged instruments should be opened before cleaning.
- h.) Please ensure that the perforated instrument trays, when loaded, do not exceed 10 kg in weight.
- i.) Please take care that when instruments are being cleaned they are arranged proper in a manne that fluids can circulate freely.
- j.) Deposits remaining after the cleaning process must be completely removed in the first rinse which now follows. The optimum temperature for final rinsing has proved to be between 70° and 90° C. Please use only purified water in this final cleaning stage.
- k.) The instruments must be carefully dried after cleaning and rinsing is completed.
- l.) Moving parts and the cutting edges of shears and scissors must be treated with preservatives which are both suitable and physiologically safe.

3. TESTING FOR CORRECT FUNCTIONING

- a.) Instruments must be carefully and thoroughly checked before every occasion that they are used.
- b.) After each time they are cleaned, the instruments must be macroscopically clean, i.e., visibly free from proteinbased residues and other soiling.
- c.) Care should be taken so that cracks, breakages and corrosion are noticed.
- d.) Instruments with flecks should be separated and taken out for special treatment.

- e.) All moving parts as well as working tips and blades should be checked with special care.
- f.) Checking should be carried out according to the extent to which the instruments will be used.
- g.) Instruments which are in any way defective or damaged should be immediately sorted out from the others.

4. STERILIZATION

- a.) All stainless steel surgical instruments supplied by us may be sterilized in an autoclave.
- b.) Please follow the manufacturer's operating instructions when using autoclave. All machines used must comply with all current quality and other standards.
- c.) Instruments are being sterilized/ autoclaved at a temperature of 134°C.
- d.) Sterilization packing material must comply with all current standards.
- e.) Instruments with ratchets or self-retaining mechanisms should be sterilized opened or in the first ratchet position.
- f.) Please ensure that perforated instrument trays, when loaded do not exceed 10 kg in weight.

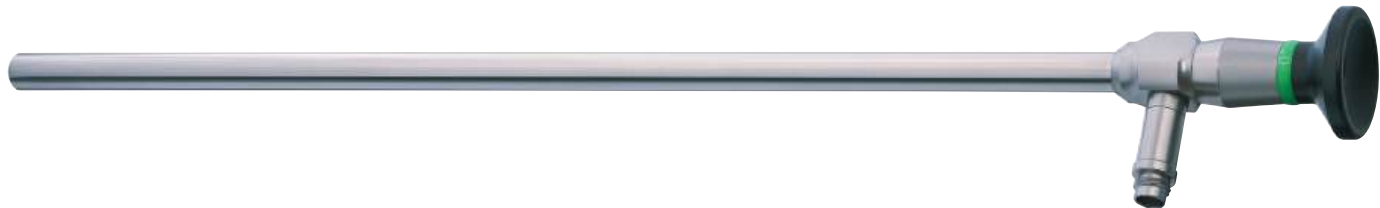
5. IN GENERAL

- a.) All surgical instruments supplied by us have been thoroughly inspected before dispatch and leave our factory in perfect condition. Damage which can arise as a result of transporting, cleaning, preserving, sterilizing or storing, must be prevented.
- b.) Please handle surgical instruments always with the utmost care.
- c.) Instruments must be stored in a clean and dry place.
- d.) If you have any queries or problems please contact us at any time:

We should like to point out that, if the above-mentioned directions are not followed or the instruments supplied by us are not properly used, all guarantee claims become void and any consequences must be borne by yourselves.

REV. 2005/01

Laparoscopes with integrated fiberoptic for illumination, autoclavable suitable for HD Systems

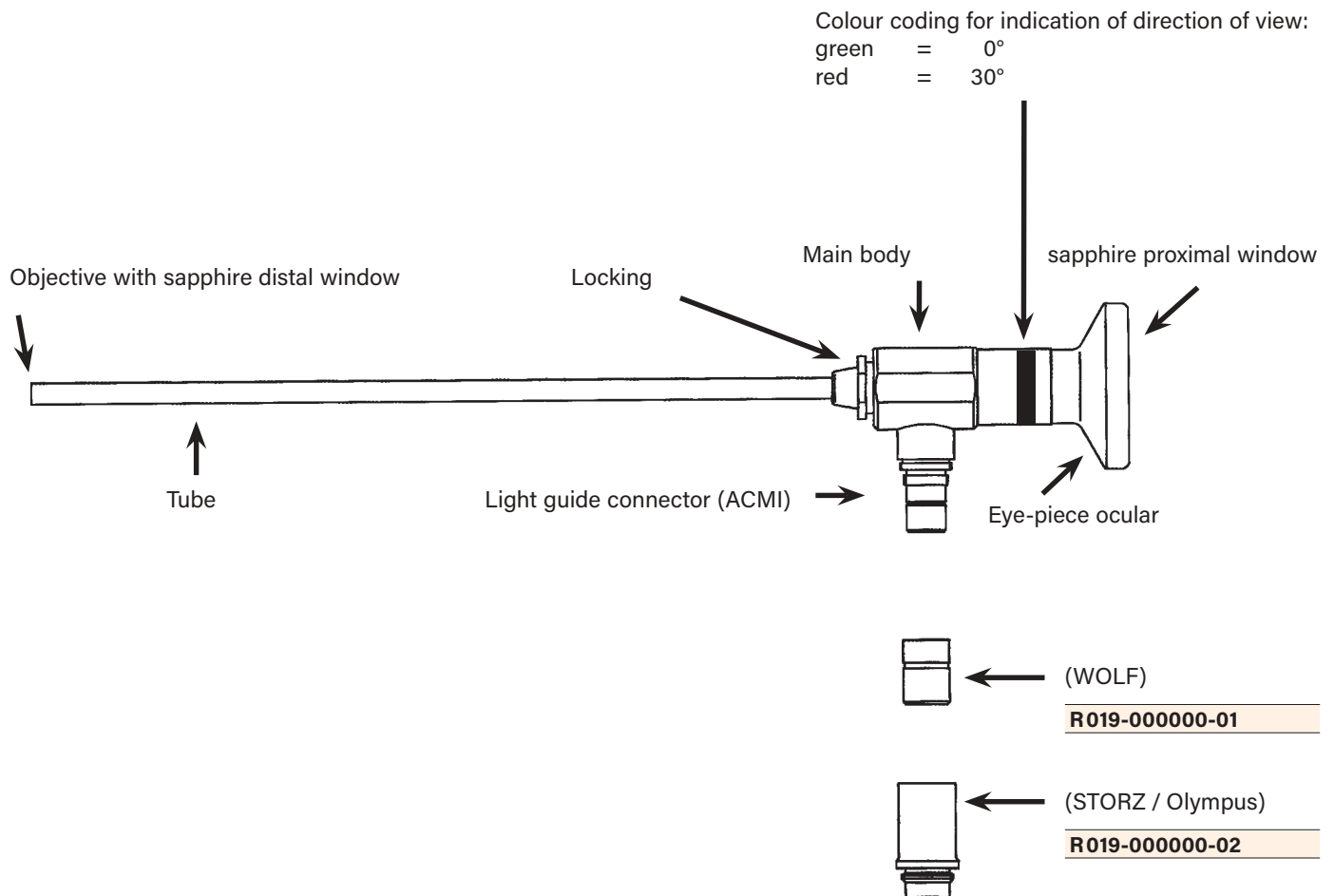


Compatibility

Light port adapter	ACMI®, Wolf®, Storz® / Olympus®
Eyepiece	Ocular according DIN 58105 threaded
Objective	Tension-free objective composed-objective
Image transmission	CAD-designed rodience system for optimal sharpness, colorsync and resolution
Light-guiding system	High quality light fibers
Optical glass	Distal and proximal Sapphire
Biocompatibility	All materials that come in contact with the body are biocompatible. All outside metal parts are made of high quality stainless steel.

Ø	working length	direction of view	
		0°	30°
5,0 mm	302 mm	R010-050302-000	R010-050302-030
10,0 mm	310 mm	R010-100309-000	R010-100309-030
10,0 mm	350 mm	R010-100350-000	R010-100350-030

Endoscope





Anti Fog liquid Ultra Stop sterile incision bottle 30ml

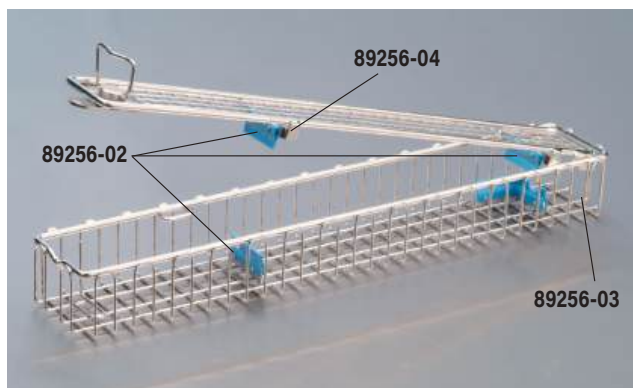
R019-000000-030



Cleaning paste, 6gr. f. distal and proximal windows and fiber optic port of endoscopes

98002-06

Wire basket for endoscopes



460 x 80 x 52 mm
for 1 laparoscope or 1 hysteroscope or 1 cystoscope

89256-46

460 x 80 x 52 mm
for 2 laparoscopes or 2 hysteroscopes or 2 cystoscopes

89257-46

Storage- and sterilization rack



470 x 250 x 125 mm
5 / 10 mm Ø
for 15 MIS instruments suitable for container R 110.20

89258-47

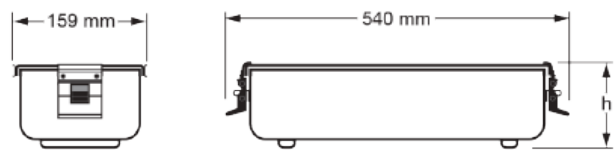
Endoscope Basket (with stand)



Outside dimensions 500 x 135 x 50 mm

89450-50

Containers for Endoscopy



540 x 159 x 80 mm

R 614.08
R 624.08
R 634.08
R 644.08
R 654.08
R 664.08

540 x 159 x 80 mm

R 614.10
R 624.10
R 634.10
R 644.10
R 654.10
R 664.10



Containers for Endoscopes
(with silicone stand, lock and label)

270 x 70 x 65 mm



475 x 80 x 65 mm



R 516.07
R 526.07
R 536.07
R 546.07
R 556.07
R 566.07



R 517.07
R 527.07
R 537.07
R 547.07
R 557.07
R 567.07



R 516.08
R 526.08
R 536.08
R 546.08
R 556.08
R 566.08



R 517.08
R 527.08
R 537.08
R 547.08
R 557.08
R 567.08



S-retractor



7 mm / 2 pcs.	10 mm / 2 pcs.	13 mm / 2 pcs.	16 mm / 2 pcs.
R020-000000-007	R020-000000-010	R020-000000-013	R020-000000-016

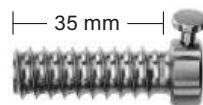
Ø 5 mm

Multi function trocar sleeve,
valvehousing with thread lock

R025-050092-001



Trocar stop



R020-050035-001

Dilation set



5 < 10 mm

R027-050100-000

5 < 11 mm

R027-050110-000

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 5,0 mm

R020-050000-004

Spare part set consisting of 10 pcs per box



Ø 5,0 mm

R022-050000-000

Ø 5 mm

Standard trocar



pyramidal

R020-050092-001



conical

R020-050092-002

Standard trocar with hole, permeable



pyramidal

R020-050092-051



conical

R020-050092-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-050092-011



with halfmoon grinding
and oblique tip

R020-050092-016

Protection trocar



with halfmoon grinding
and oblique tip

R020-050092-024



with halfmoon grinding
and V-formed tip

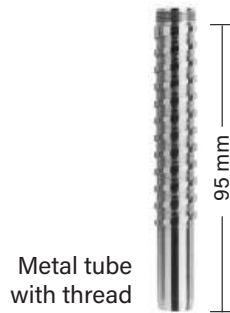
R020-050092-025

Reducer sleeve 5 > 4 mm



R026-055030-003

Ø 5,5 mm



Drap door valve trocar sleeve



R022-055095-001

R022-055098-002

R022-055095-003

R022-055098-004

Silicone valve trocar sleeve



R024-055095-001

Multi function trocar sleeve, valvehousing with thread lock



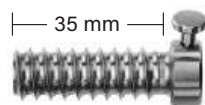
R025-055095-001

R025-055098-002

R025-055095-003

R025-055098-004

Trocar stop



R020-055035-001

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 5,5 mm

R020-050000-004

Spare part set consisting of 10 pcs per box



Ø 5,5 mm

R022-055000-000

Ø 5,5 mm

Standard trocar



pyramidal

R020-055095-001



conical

R020-055095-002

Standard trocar with hole, permeable



pyramidal

R020-055095-051



conical

R020-055095-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-055095-011



with halfmoon grinding
and oblique tip

R020-055095-016

Safety trocar with Knife



Obturator tip "KNIFE DESIGN"

R020-055095-028

Protection trocar



with halfmoon grinding
and oblique tip

R020-055095-024



with halfmoon grinding
and V-formed tip

R020-055095-025

Ø 5,5 mm / 150 mm WL

Drap door valve trocar sleeve

R022-055150-001



Silicone valve trocar sleeve

R024-055150-001



Multi function trocar sleeve,
valvehousing with thread lock

R025-055150-001



Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 5,5 mm

R020-050000-004

Spare part set consisting of 10 pcs per box



Ø 5,5 mm

R022-055000-000

Ø 5,5 mm / 150 mm WL

Standard trocar



pyramidal

R020-055150-001



conical

R020-055150-002

Standard trocar with hole, permeable



pyramidal

R020-055150-051



conical

R020-055150-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-055150-011

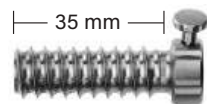
Ø 10 mm

Multi function trocar sleeve,
valvehousing with thread lock

R025-100097-001



Trocar stop



R020-100035-001

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 10,0 mm

R020-100000-008

Spare part set consisting of 10 pcs per box



Ø 10,0 mm

R022-100000-000

Reducer sleeve 10 > 5,5 mm

Plastic reducer for multi function trocar sleeve only



190 mm

R026-100055-003



reducer with silicone latch

R026-100055-002

Ø 10 mm

Standard trocar



pyramidal

R020-100097-001



conical

R020-100097-002



Standard trocar with hole, permeable



pyramidal

R020-100097-051



conical

R020-100097-052



Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-100097-011



with halfmoon grinding
and oblique tip

R020-100097-016



Protection trocar



with halfmoon grinding
and oblique tip

R020-100097-024

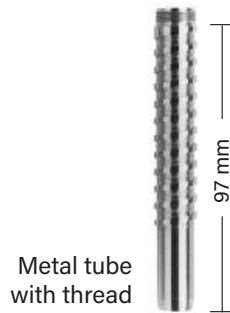


with halfmoon grinding
and V-formed tip

R020-100097-025



Ø 11 mm



Drap door valve trocar sleeve



R022-110101-001

R022-110105-002

R022-110101-003

R022-110105-004

Silicone valve trocar sleeve



R024-110101-001

R024-110105-002

R024-110101-003

R024-110105-004

Multi function trocar sleeve, valvehousing with thread lock



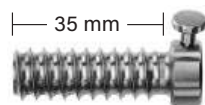
R025-110101-001

R025-110105-002

R025-110101-003

R025-110105-004

Trocar stop



R020-110035-001

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 11,0 mm

R020-110000-009

Spare part set consisting of 10 pcs per box



Ø 11,0 mm

R022-110000-000

Ø 11 mm

Standard trocar



pyramidal

R020-110101-001



conical

R020-110101-002

Standard trocar with hole, permeable



pyramidal

R020-110101-051



conical

R020-110101-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-110101-011



with halfmoon grinding
and oblique tip

R020-110101-016

Safety trocar with Knife



Obturator tip "KNIFE DESIGN"

R020-110101-028

Protection trocar



with halfmoon grinding
and oblique tip

R020-110101-024



with halfmoon grinding
and V-formed tip

R020-110101-025

Reducer sleeve 11 > 5,5 mm



190 mm

R026-110055-003

Plastic reducer for multi function trocar sleeve only



reducer with silicone Latch

R026-110055-002



R026-125055-004

Ø 11 mm / 150 mm WL

Drap door valve trocar sleeve

R022-110150-001



Silicone valve trocar sleeve

R024-110150-001



Multi function trocar sleeve,
valvehousing with thread lock

R025-110150-001



Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 11,0 mm

R020-110000-009

Spare part set consisting of 10 pcs per box



Ø 11,0 mm

R022-110000-000

Ø 11 mm / 150 mm WL

Standard trocar



pyramidal

R020-110150-001



conical

R020-110150-002

Standard trocar with hole, permeable



pyramidal

R020-110150-051



conical

R020-110150-052

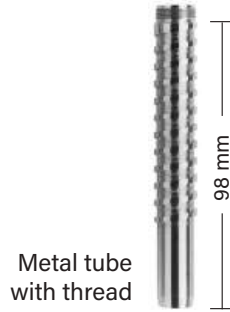
Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-110150-011

Ø 12,5 mm



Multi function trocar sleeve, valvehousing with thread lock



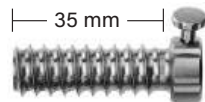
R025-125098-001

R025-125102-002

R025-125098-003

R025-125102-004

Trocar stop



R020-125035-001

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 12,5 mm

R020-125000-011

Spare part set consisting of 10 pcs per box



Ø 12,5 mm

R022-125000-000

Reducer sleeve 12,5 > 5,5 mm

Plastic reducer for multi function trocar sleeve only



190 mm

R026-125055-003



reducer with silicone latch



12,5 > 10 mm

R026-125100-002

R026-125100-004

12,5 > 5,5 mm

R026-125055-002

R026-125055-004

Ø 12,5 mm

Standard trocar



pyramidal

R020-125098-001



conical

R020-125098-002

Standard trocar with hole, permeable



pyramidal

R020-125098-051



conical

R020-125098-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-125098-011



with halfmoon grinding
and oblique tip

R020-125098-016

Safety trocar with Knife



Obturator tip "KNIFE DESIGN"

R020-125098-028

Protection trocar



with halfmoon grinding
and oblique tip

R020-125098-024



with halfmoon grinding
and V-formed tip

R020-125098-025

Ø 12,5 mm / 150 mm WL

Multi function trocar sleeve,
valvehousing with thread lock

R025-125150-001



Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 12,5 mm

R020-125000-011

Spare part set consisting of 10 pcs per box



Ø 12,5 mm

R022-125000-000

Ø 12,5 mm / 150 mm WL

Standard trocar



pyramidal

R020-125150-001



conical

R020-125150-002

Standard trocar with hole, permeable



pyramidal

R020-125150-051



conical

R020-125150-052

Safety trocar with automatic locking



with pyramidal grinding
and rounded tip

R020-125150-011

Ø 15 mm Automatic trocar sleeve with smooth metal tube, housing with winding locking and stopcock

Trocar sleeve, smooth metal tube



15 mm Ø / WL 110 mm

R025-150095-011

Standard trocar 15 mm Ø



pyramidal

R020-150096-001



conical

R020-150096-002

Dilatation sleeve with guide rod



Ø 5,0 mm - 15,0 mm

R027-050150-000

Ø 10,0 mm - 15,0 mm

R027-110150-000

Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 15,0 mm

R020-150000-013

Spare part set consisting of 10 pcs per box



Ø 15,0 mm

R022-150000-000

Reducer sleeve



15 > 5,5 mm

R026-150055-003

15 > 10 mm

R026-150100-003

Ø 20 mm Automatic trocar sleeve with smooth metal tube, housing with winding locking and stopcock



Trocar sleeve, smooth metal tube



20 mm Ø / WL 119 mm

R025-200095-011



Standard trocar 20 mm Ø



pyramidal

R020-200096-001



conical

R020-200096-002



Dilatation sleeve with guide rod



Ø 5,0 mm - 20,0 mm

R027-050200-000

Ø 10,0 mm - 20,0 mm

R027-110200-000



Rubber washer for proximal instrument port suitable to lap. trocar sleeves / 10 pcs per box



Ø 20,0 mm

R020-200000-018



Spare part set consisting of 10 pcs per box



Ø 20,0 mm

R022-200000-000



Reducer sleeve



20 > 10 mm

R026-200100-003

Hasson automatic trocar sleeve with stopcock, adjustable cone and suture holder at cone



Ø	Sleeve with Cone	 Cone alone	 Cone alone
5,5 mm	R028-055095-021	R020-055500-001	
11,0 mm	R028-110101-021	R020-110500-001	R020-110700-001
12,5 mm	R028-125098-021	R020-125500-001	

Standard trocar



conical blunt

R020-035070-003	Ø 3,5 mm
R020-055095-003	Ø 5,5 mm
R020-110101-003	Ø 11,0 mm
R020-125098-003	Ø 12,5 mm



Ø 5 und 10 mm



Mechanical snap-action coupling !

The Ø 5 and 10 mm modular REDA laparoscopic instruments have a unique snap-action coupling which, offering 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 is the case with conventional screw or bayonet connections.

REDA - simplicity is so clever !



Nut stopper

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

REDA - detail is the decisive factor !

Ø 3 / 5 / 10 mm



Ergonomic universal carbon handle with ratchet,
Lever for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033 - 000000 - 000



Ergonomic carbon handle with stepless ratchet,
ratchet by finger press resolve, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033P - 000000 - 000



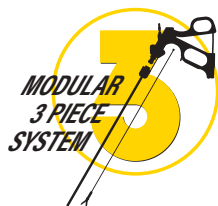
Ergonomic carbon handle,
HF-connector Ø 4 mm male 45° lateral, rotating head 360°, autoclavable

R034 - 000000 - 000



Ergonomic universal carbon handle with ratchet,
Button for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R032M - 000000 - 000



Laparoscopy -
Carbon Handles for Ø 3 / 5 / 10 mm tube shafts



Ø 3 / 5 / 10 mm



Ergonomic carbon handle with stepless ratchet,
ratchet activating / release lever, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033M - 000000 - 000



Protection cap for HF-connector Ø 4 mm

R030 - 000000

Ø 3 / 5 / 10 mm



Axial handle, v-shaped type with spreading spring and ratchet

R038 - 000000 - 000

1:3



Axial handle, with spreading spring

R048 - 000000 - 000

1:3



Axial handle with rings and ratchet

R037 - 000000 - 000

1:3



Axial ring handle

R047 - 000000 - 000

1:3



Axial handle, v-shaped angled, type with spreading spring and ratchet

R039 - 000000 - 000



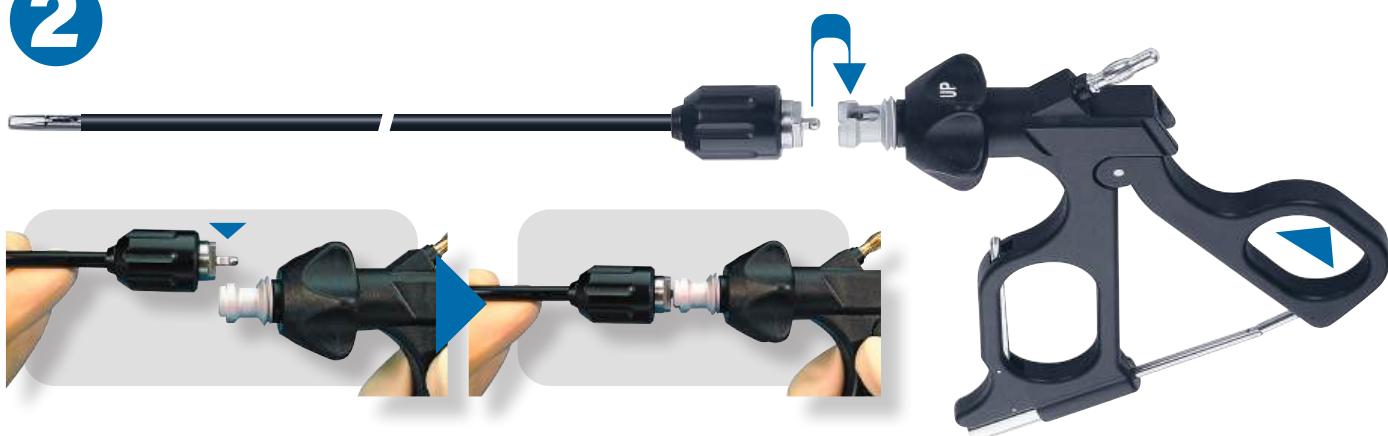
Axial handle, angled, with spreading spring

R040 - 000000 - 000

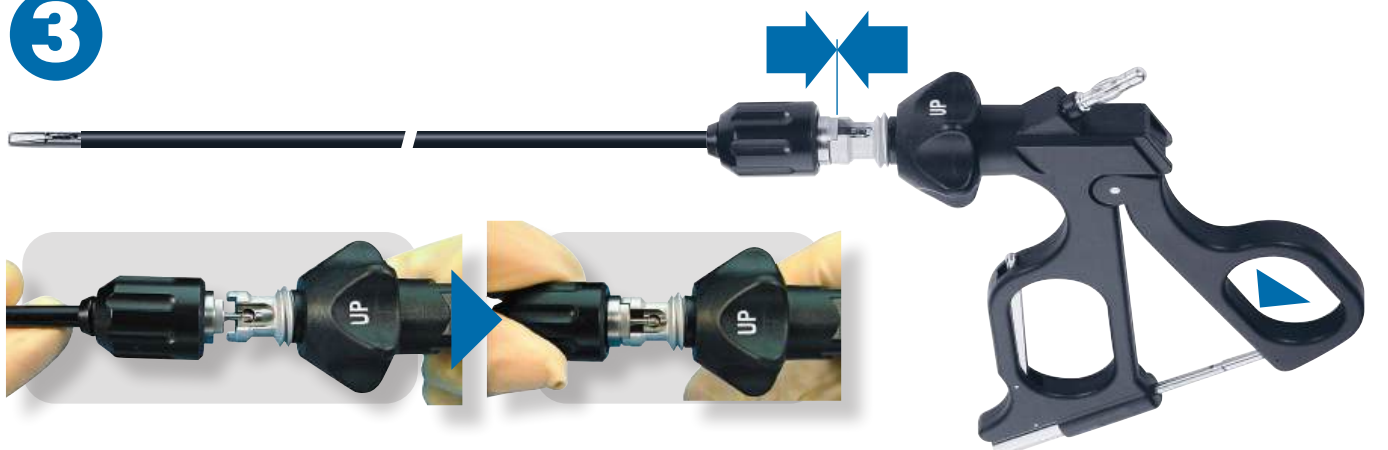
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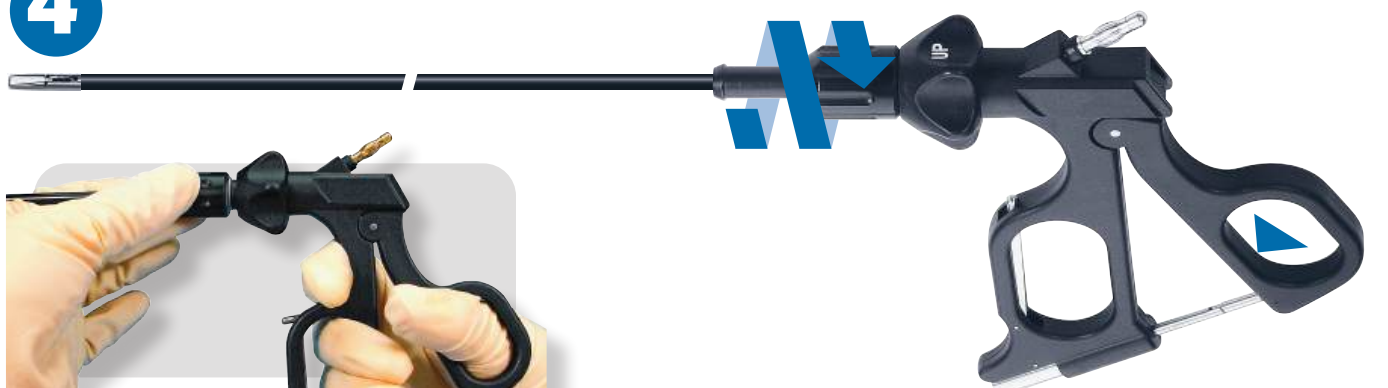
2



3



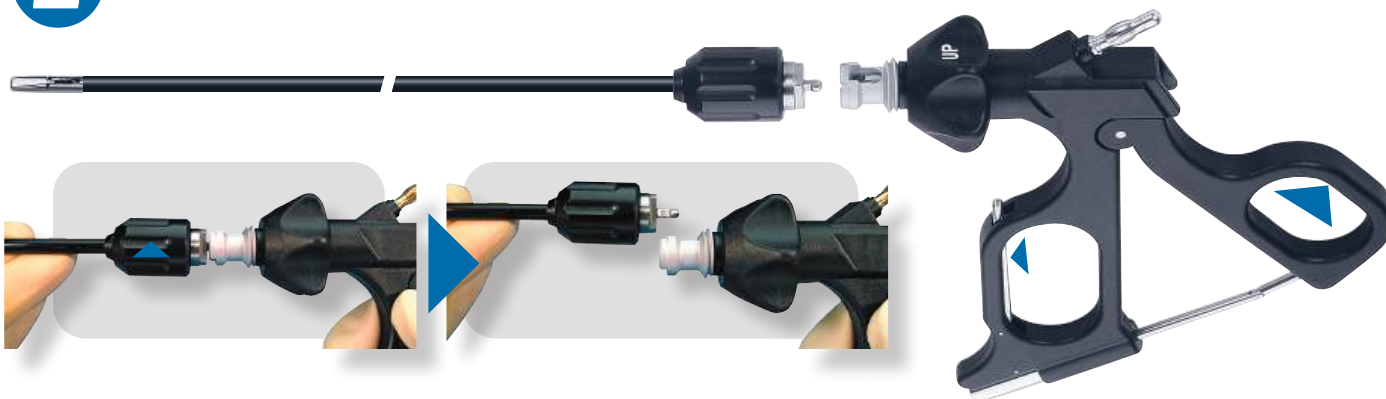
4



1



2



3



4

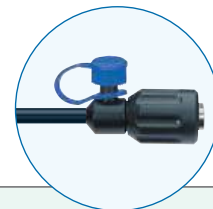




Ø 5 mm



Tube Shaft, insulated	shaft length: 330 mm
without LUER Lock	with LUER Lock
R030 - 050330 - 000	R030 - 050330 - 000 L



Tube Shaft, insulated	shaft length: 360 mm
without LUER Lock	with LUER Lock
R030 - 050360 - 000	R030 - 050360 - 000 L



Tube Shaft, insulated	shaft length: 450 mm
without LUER Lock	with LUER Lock
R030 - 050450 - 000	R030 - 050450 - 000 L

Ø 10 mm



Tube Shaft, insulated	shaft length: 330 mm
cylindrical	with LUER Lock
R030 - 100330 - 000	R030 - 100330 - 000 L



Tube Shaft, insulated, for adipose patients	shaft length: 360 mm
cylindrical	with LUER Lock
R030 - 100360 - 000	R030 - 100360 - 000 L



Tube Shaft, insulated, for adipose patients	shaft length: 450 mm
cylindrical	with LUER Lock
R030 - 100450 - 000	R030 - 100450 - 000 L

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



R032M - 000 000 - 000

Ø 5 mm

17,5 mm



Universal grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-210	R033-050330-210	R033P-050330-210	R034-050330-210	R032M-050330-210
360 mm	R030-050360-210	R033-050360-210	R033P-050360-210	R034-050360-210	R032M-050360-210
450 mm	R030-050450-210	R033-050450-210	R033P-050450-210	R034-050450-210	R032M-050450-210

17,5 mm



MARYLAND grasping and dissecting forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-212	R033-050330-212	R033P-050330-212	R034-050330-212	R032M-050330-212
360 mm	R030-050360-212	R033-050360-212	R033P-050360-212	R034-050360-212	R032M-050360-212
450 mm	R030-050450-212	R033-050450-212	R033P-050450-212	R034-050450-212	R032M-050450-212

16 mm



Dissecting forceps, fenestrated, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-213	R033-050330-213	R033P-050330-213	R034-050330-213	R032M-050330-213
360 mm	R030-050360-213	R033-050360-213	R033P-050360-213	R034-050360-213	R032M-050360-213
450 mm	R030-050450-213	R033-050450-213	R033P-050450-213	R034-050450-213	R032M-050450-213

15 mm



Dissecting forceps, fenestrated, oval, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-214	R033-050330-214	R033P-050330-214	R034-050330-214	R032M-050330-214
360 mm	R030-050360-214	R033-050360-214	R033P-050360-214	R034-050360-214	R032M-050360-214
450 mm	R030-050450-214	R033-050450-214	R033P-050450-214	R034-050450-214	R032M-050450-214

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



R032M - 000 000 - 000

Ø 5 mm

15 mm



Duck Bill-forceps, fenestrated, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-215	R033-050330-215	R033P-050330-215	R034-050330-215	R032M-050330-215
360 mm	R030-050360-215	R033-050360-215	R033P-050360-215	R034-050360-215	R032M-050360-215
450 mm	R030-050450-215	R033-050450-215	R033P-050450-215	R034-050450-215	R032M-050450-215

10 mm



Dissecting grasping forceps, slim, fenestrated, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-216	R033-050330-216	R033P-050330-216	R034-050330-216	R032M-050330-216
360 mm	R030-050360-216	R033-050360-216	R033P-050360-216	R034-050360-216	R032M-050360-216
450 mm	R030-050450-216	R033-050450-216	R033P-050450-216	R034-050450-216	R032M-050450-216

13 mm



Grasping forceps with 2 x 4 teeth cobra, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-218	R033-050330-218	R033P-050330-218	R034-050330-218	R032M-050330-218
360 mm	R030-050360-218	R033-050360-218	R033P-050360-218	R034-050360-218	R032M-050360-218
450 mm	R030-050450-218	R033-050450-218	R033P-050450-218	R034-050450-218	R032M-050450-218

11 mm



MAHNES Grasping forceps with 2 x 4 teeth cobra, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-219	R033-050330-219	R033P-050330-219	R034-050330-219	R032M-050330-219
360 mm	R030-050360-219	R033-050360-219	R033P-050360-219	R034-050360-219	R032M-050360-219
450 mm	R030-050450-219	R033-050450-219	R033P-050450-219	R034-050450-219	R032M-050450-219

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



R032M - 000 000 - 000

Ø 5 mm

13,5 mm



Grasping forceps with reservoir, tip blunt, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-220	R033-050330-220	R033P-050330-220	R034-050330-220	R032M-050330-220
360 mm	R030-050360-220	R033-050360-220	R033P-050360-220	R034-050360-220	R032M-050360-220
450 mm	R030-050450-220	R033-050450-220	R033P-050450-220	R034-050450-220	R032M-050450-220

13,5 mm



Grasping forceps with reservoir, tip conical, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-222	R033-050330-222	R033P-050330-222	R034-050330-222	R032M-050330-222
360 mm	R030-050360-222	R033-050360-222	R033P-050360-222	R034-050360-222	R032M-050360-222
450 mm	R030-050450-222	R033-050450-222	R033P-050450-222	R034-050450-222	R032M-050450-222

17,5 mm



Delphin grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-224	R033-050330-224	R033P-050330-224	R034-050330-224	R032M-050330-224
360 mm	R030-050360-224	R033-050360-224	R033P-050360-224	R034-050360-224	R032M-050360-224
450 mm	R030-050450-224	R033-050450-224	R033P-050450-224	R034-050450-224	R032M-050450-224

26 mm



Delphin grasping forceps with reservoir, long, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-225	R033-050330-225	R033P-050330-225	R034-050330-225	R032M-050330-225
360 mm	R030-050360-225	R033-050360-225	R033P-050360-225	R034-050360-225	R032M-050360-225
450 mm	R030-050450-225	R033-050450-225	R033P-050450-225	R034-050450-225	R032M-050450-225

Carbon Handles

more details at the beginning of the chapter

**R 033 - 000 000 - 000****R 033P - 000 000 - 000****R 034 - 000 000 - 000****R 032M - 000 000 - 000****Ø 5 mm**

15 mm



Fallopian tube grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-226	R033-050330-226	R033P-050330-226	R034-050330-226	R032M-050330-226
360 mm	R030-050360-226	R033-050360-226	R033P-050360-226	R034-050360-226	R032M-050360-226
450 mm	R030-050450-226	R033-050450-226	R033P-050450-226	R034-050450-226	R032M-050450-226

14 mm



Grasping forceps crosswise teeth, jaw length 14 mm, conical, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-228	R033-050330-228	R033P-050330-228	R034-050330-228	R032M-050330-228
360 mm	R030-050360-228	R033-050360-228	R033P-050360-228	R034-050360-228	R032M-050360-228
450 mm	R030-050450-228	R033-050450-228	R033P-050450-228	R034-050450-228	R032M-050450-228

18 mm



Grasping forceps crosswise teeth, jaw length 18 mm, conical, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-230	R033-050330-230	R033P-050330-230	R034-050330-230	R032M-050330-230
360 mm	R030-050360-230	R033-050360-230	R033P-050360-230	R034-050360-230	R032M-050360-230
450 mm	R030-050450-230	R033-050450-230	R033P-050450-230	R034-050450-230	R032M-050450-230

11 mm



MAHNES grasping forceps, distal fine crosswise teeth, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-231	R033-050330-231	R033P-050330-231	R034-050330-231	R032M-050330-231
360 mm	R030-050360-231	R033-050360-231	R033P-050360-231	R034-050360-231	R032M-050360-231
450 mm	R030-050450-231	R033-050450-231	R033P-050450-231	R034-050450-231	R032M-050450-231

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



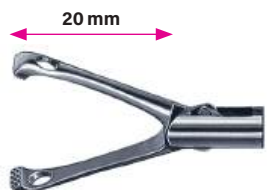
R032M - 000 000 - 000

Ø 5 mm



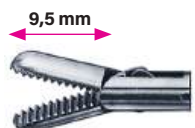
MAHNES grasping forceps, distal fine crosswise teeth, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-232	R033-050330-232	R033P-050330-232	R034-050330-232	R032M-050330-232
360 mm	R030-050360-232	R033-050360-232	R033P-050360-232	R034-050360-232	R032M-050360-232
450 mm	R030-050450-232	R033-050450-232	R033P-050450-232	R034-050450-232	R032M-050450-232



Grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-234	R033-050330-234	R033P-050330-234	R034-050330-234	R032M-050330-234
360 mm	R030-050360-234	R033-050360-234	R033P-050360-234	R034-050360-234	R032M-050360-234
450 mm	R030-050450-234	R033-050450-234	R033P-050450-234	R034-050450-234	R032M-050450-234



REDDICK-OLSEN grasping forceps, strong, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-236	R033-050330-236	R033P-050330-236	R034-050330-236	R032M-050330-236
360 mm	R030-050360-236	R033-050360-236	R033P-050360-236	R034-050360-236	R032M-050360-236
450 mm	R030-050450-236	R033-050450-236	R033P-050450-236	R034-050450-236	R032M-050450-236



Grasping forceps, distal with a atraumatic row of teeth, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-238	R033-050330-238	R033P-050330-238	R034-050330-238	R032M-050330-238
360 mm	R030-050360-238	R033-050360-238	R033P-050360-238	R034-050360-238	R032M-050360-238
450 mm	R030-050450-238	R033-050450-238	R033P-050450-238	R034-050450-238	R032M-050450-238

Carbon Handles

more details at the beginning of the chapter



R 033 - 000 000 - 000



R 033P - 000 000 - 000



R 034 - 000 000 - 000

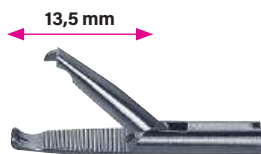


R 032M - 000 000 - 000

Ø 5 mm

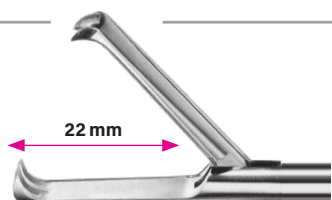
MAHNES grasping forceps 1 x 2 teeth, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-240	R033-050330-240	R033P-050330-240	R034-050330-240	R032M-050330-240
360 mm	R030-050360-240	R033-050360-240	R033P-050360-240	R034-050360-240	R032M-050360-240
450 mm	R030-050450-240	R033-050450-240	R033P-050450-240	R034-050450-240	R032M-050450-240



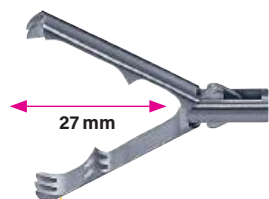
Grasping forceps with mouseteeth, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-241	R033-050330-241	R033P-050330-241	R034-050330-241	R032M-050330-241
360 mm	R030-050360-241	R033-050360-241	R033P-050360-241	R034-050360-241	R032M-050360-241
450 mm	R030-050450-241	R033-050450-241	R033P-050450-241	R034-050450-241	R032M-050450-241



Claw grasping forceps, 3 x 2 teeth, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-242	R033-050330-242	R033P-050330-242	R034-050330-242	R032M-050330-242
360 mm	R030-050360-242	R033-050360-242	R033P-050360-242	R034-050360-242	R032M-050360-242
450 mm	R030-050450-242	R033-050450-242	R033P-050450-242	R034-050450-242	R032M-050450-242



„AGRESSIV“, Claw Grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-243	R033-050330-243	R033P-050330-243	R034-050330-243	R032M-050330-243
360 mm	R030-050360-243	R033-050360-243	R033P-050360-243	R034-050360-243	R032M-050360-243
450 mm	R030-050450-243	R033-050450-243	R033P-050450-243	R034-050450-243	R032M-050450-243

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000

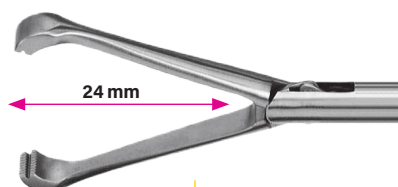


R034 - 000 000 - 000



R032M - 000 000 - 000

Ø 5 mm



24 mm

Grasping forceps distal with DEBAKEY teeth, double action jaws

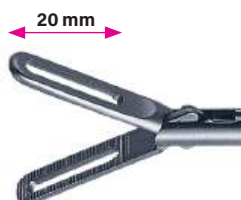
Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-244	R033-050330-244	R033P-050330-244	R034-050330-244	R032M-050330-244
360 mm	R030-050360-244	R033-050360-244	R033P-050360-244	R034-050360-244	R032M-050360-244
450 mm	R030-050450-244	R033-050450-244	R033P-050450-244	R034-050450-244	R032M-050450-244



13,5 mm

Extracting forceps with retrograd teeth, double action jaws

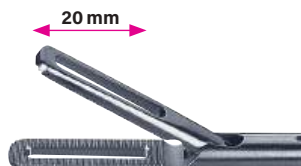
Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-246	R033-050330-246	R033P-050330-246	R034-050330-246	R032M-050330-246
360 mm	R030-050360-246	R033-050360-246	R033P-050360-246	R034-050360-246	R032M-050360-246
450 mm	R030-050450-246	R033-050450-246	R033P-050450-246	R034-050450-246	R032M-050450-246



20 mm

DORSEY (JOHANN) intestinal grasping forceps, jaw length 20 mm, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-248	R033-050330-248	R033P-050330-248	R034-050330-248	R032M-050330-248
360 mm	R030-050360-248	R033-050360-248	R033P-050360-248	R034-050360-248	R032M-050360-248
450 mm	R030-050450-248	R033-050450-248	R033P-050450-248	R034-050450-248	R032M-050450-248



20 mm

DORSEY (JOHANN) intestinal grasping forceps, jaw length 20 mm, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-249	R033-050330-249	R033P-050330-249	R034-050330-249	R032M-050330-249
360 mm	R030-050360-249	R033-050360-249	R033P-050360-249	R034-050360-249	R032M-050360-249
450 mm	R030-050450-249	R033-050450-249	R033P-050450-249	R034-050450-249	R032M-050450-249

Carbon Handles

more details at the beginning of the chapter

**Ø 5 mm**

21,5 mm



DAVIS & GEEK grasping forceps with reservoir, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-250	R033-050330-250	R033P-050330-250	R034-050330-250	R032M-050330-250
360 mm	R030-050360-250	R033-050360-250	R033P-050360-250	R034-050360-250	R032M-050360-250
450 mm	R030-050450-250	R033-050450-250	R033P-050450-250	R034-050450-250	R032M-050450-250

26,5 mm



DAVIS & GEEK grasping forceps with reservoir, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-251	R033-050330-251	R033P-050330-251	R034-050330-251	R032M-050330-251
360 mm	R030-050360-251	R033-050360-251	R033P-050360-251	R034-050360-251	R032M-050360-251
450 mm	R030-050450-251	R033-050450-251	R033P-050450-251	R034-050450-251	R032M-050450-251

22 mm



DAVIS & GEEK grasping forceps with 3 x 2 teeth, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-252	R033-050330-252	R033P-050330-252	R034-050330-252	R032M-050330-252
360 mm	R030-050360-252	R033-050360-252	R033P-050360-252	R034-050360-252	R032M-050360-252
450 mm	R030-050450-252	R033-050450-252	R033P-050450-252	R034-050450-252	R032M-050450-252

20 mm



MIXTER grasping forceps 90°, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-258	R033-050330-258	R033P-050330-258	R034-050330-258	R032M-050330-258
360 mm	R030-050360-258	R033-050360-258	R033P-050360-258	R034-050360-258	R032M-050360-258
450 mm	R030-050450-258	R033-050450-258	R033P-050450-258	R034-050450-258	R032M-050450-258

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



R032M - 000 000 - 000

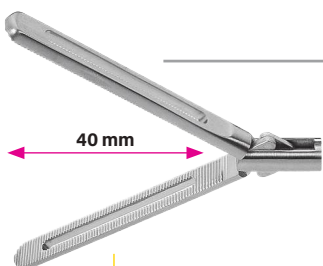
Ø 5 mm

17,5 mm



MIXTER grasping forceps 45°, double action jaws

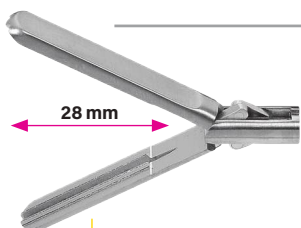
Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-259	R033-050330-259	R033P-050330-259	R034-050330-259	R032M-050330-259
360 mm	R030-050360-259	R033-050360-259	R033P-050360-259	R034-050360-259	R032M-050360-259
450 mm	R030-050450-259	R033-050450-259	R033P-050450-259	R034-050450-259	R032M-050450-259



40 mm

DORSEY intestinal grasping forceps, jaw length 40 mm, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-262	R033-050330-262	R033P-050330-262	R034-050330-262	R032M-050330-262
360 mm	R030-050360-262	R033-050360-262	R033P-050360-262	R034-050360-262	R032M-050360-262
450 mm	R030-050450-262	R033-050450-262	R033P-050450-262	R034-050450-262	R032M-050450-262



28 mm

DEBAKEY clamp, jaw length 30 mm, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-264	R033-050330-264	R033P-050330-264	R034-050330-264	R032M-050330-264
360 mm	R030-050360-264	R033-050360-264	R033P-050360-264	R034-050360-264	R032M-050360-264
450 mm	R030-050450-264	R033-050450-264	R033P-050450-264	R034-050450-264	R032M-050450-264

11 mm

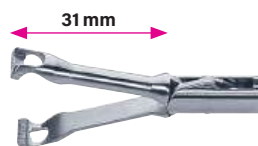


KELLY Grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-266	R033-050330-266	R033P-050330-266	R034-050330-266	R032M-050330-266
360 mm	R030-050360-266	R033-050360-266	R033P-050360-266	R034-050360-266	R032M-050360-266
450 mm	R030-050450-266	R033-050450-266	R033P-050450-266	R034-050450-266	R032M-050450-266

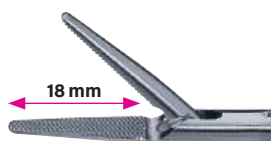
Carbon Handles

more details at the beginning of the chapter

**R 033** - 000 000 - 000**R 033P** - 000 000 - 000**R 034** - 000 000 - 000**R 032M** - 000 000 - 000**Ø 5 mm**

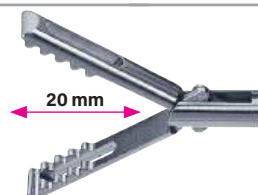
BABCOCK clamp, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-270	R033-050330-270	R033P-050330-270	R034-050330-270	R032M-050330-270
360 mm	R030-050360-270	R033-050360-270	R033P-050360-270	R034-050360-270	R032M-050360-270
450 mm	R030-050450-270	R033-050450-270	R033P-050450-270	R034-050450-270	R032M-050450-270



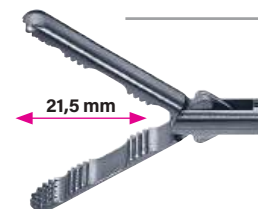
Grasping Forceps, straight, cross-serrated, jaw length 18 mm, single action jaws

		Working length	Working insert alone	Complete instrument	
330 mm	R030-050330-272	R033-050330-272	R033P-050330-272	R034-050330-272	R032M-050330-272
360 mm	R030-050360-272	R033-050360-272	R033P-050360-272	R034-050360-272	R032M-050360-272
450 mm	R030-050450-272	R033-050450-272	R033P-050450-272	R034-050450-272	R032M-050450-272



Grasping forceps „WAVE“, fenestrated, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-274	R033-050330-274	R033P-050330-274	R034-050330-274	R032M-050330-274
360 mm	R030-050360-274	R033-050360-274	R033P-050360-274	R034-050360-274	R032M-050360-274
450 mm	R030-050450-274	R033-050450-274	R033P-050450-274	R034-050450-274	R032M-050450-274



Grasping forceps „MAXIGRIP“, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-276	R033-050330-276	R033P-050330-276	R034-050330-276	R032M-050330-276
360 mm	R030-050360-276	R033-050360-276	R033P-050360-276	R034-050360-276	R032M-050360-276
450 mm	R030-050450-276	R033-050450-276	R033P-050450-276	R034-050450-276	R032M-050450-276

Carbon Handles

more details at the beginning of the chapter



R 033 - 000 000 - 000



R 033P - 000 000 - 000

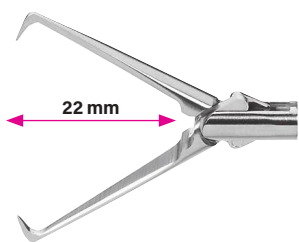


R 034 - 000 000 - 000



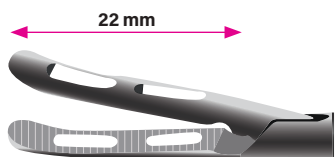
R 032M - 000 000 - 000

Ø 5 mm



Tenaculum forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-284	R033-050330-284	R033P-050330-284	R034-050330-284	R032M-050330-284
360 mm	R030-050360-284	R033-050360-284	R033P-050360-284	R034-050360-284	R032M-050360-284
450 mm	R030-050450-284	R033-050450-284	R033P-050450-284	R034-050450-284	R032M-050450-284

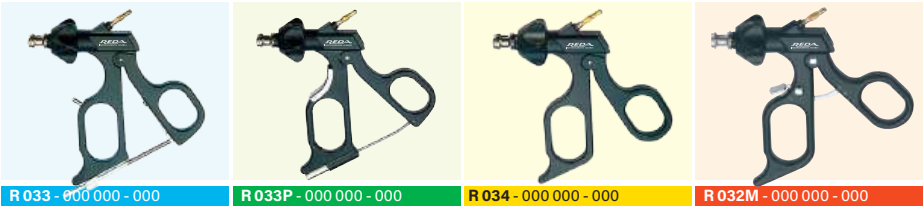


CROCE-OLMI grasping forceps, atrumatic, fenestrated, curved

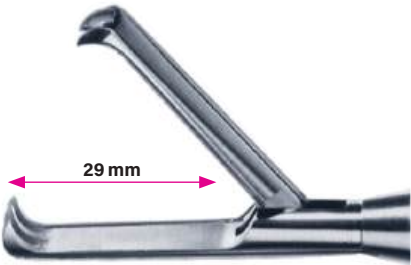
Working length	Working insert alone	Complete instrument			
330 mm	R030-050330-217	R033-050330-217	R033P-050330-217	R034-050330-217	R032M-050330-217
360 mm	R030-050360-217	R033-050360-217	R033P-050360-217	R034-050360-217	R032M-050360-217
450 mm	R030-050450-217	R033-050450-217	R033P-050450-217	R034-050450-217	R032M-050450-217

Carbon Handles

more details at the beginning of the chapter



Ø 10 mm



Claw grasping forceps, 3 x 2 teeth, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-610	R033-100330-610	R033P-100330-610	R034-100330-610	R032M-100330-610
360 mm	R030-100360-610	R033-100360-610	R033P-100360-610	R034-100360-610	R032M-100360-610
450 mm	R030-100450-610	R033-100450-610	R033P-100450-610	R034-100450-610	R032M-100450-610



MARYLAND grasping and dissecting forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-612	R033-100330-612	R033P-100330-612	R034-100330-612	R032M-100330-612
360 mm	R030-100360-612	R033-100360-612	R033P-100360-612	R034-100360-612	R032M-100360-612
450 mm	R030-100450-612	R033-100450-612	R033P-100450-612	R034-100450-612	R032M-100450-612



Grasping forceps distal with DEBAKEY teeth, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-614	R033-100330-614	R033P-100330-614	R034-100330-614	R032M-100330-614
360 mm	R030-100360-614	R033-100360-614	R033P-100360-614	R034-100360-614	R032M-100360-614
450 mm	R030-100450-614	R033-100450-614	R033P-100450-614	R034-100450-614	R032M-100450-614

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



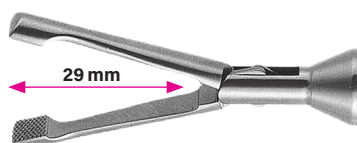
R032M - 000 000 - 000

Ø 10 mm



BABCOCK grasping forceps, strong, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-616	R033-100330-616	R033P-100330-616	R034-100330-616	R032M-100330-616
360 mm	R030-100360-616	R033-100360-616	R033P-100360-616	R034-100360-616	R032M-100360-616
450 mm	R030-100450-616	R033-100450-616	R033P-100450-616	R034-100450-616	R032M-100450-616



Grasping forceps, cross-serrated teeth, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-642	R033-100330-642	R033P-100330-642	R034-100330-642	R032M-100330-642
360 mm	R030-100360-642	R033-100360-642	R033P-100360-642	R034-100360-642	R032M-100360-642
450 mm	R030-100450-642	R033-100450-642	R033P-100450-642	R034-100450-642	R032M-100450-642



MIXTER grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-646	R033-100330-646	R033P-100330-646	R034-100330-646	R032M-100330-646
360 mm	R030-100360-646	R033-100360-646	R033P-100360-646	R034-100360-646	R032M-100360-646
450 mm	R030-100450-646	R033-100450-646	R033P-100450-646	R034-100450-646	R032M-100450-646

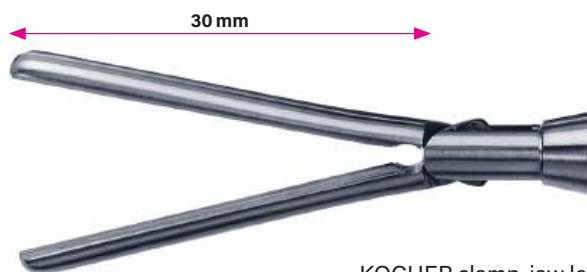


DORSEY intestinal grasping forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-648	R033-100330-648	R033P-100330-648	R034-100330-648	R032M-100330-648
360 mm	R030-100360-648	R033-100360-648	R033P-100360-648	R034-100360-648	R032M-100360-648
450 mm	R030-100450-648	R033-100450-648	R033P-100450-648	R034-100450-648	R032M-100450-648

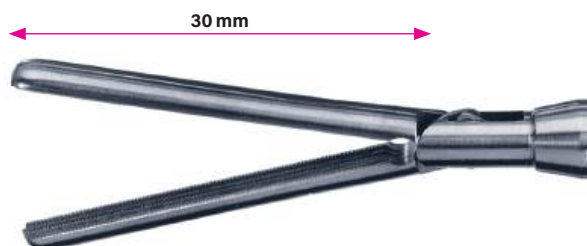
Carbon Handles

more details at the beginning of the chapter

**R 033 - 000 000 - 000****R 033P - 000 000 - 000****R 034 - 000 000 - 000****R 032M - 000 000 - 000****Ø 10 mm**

KOCHER clamp, jaw length 30 mm, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-622	R033-100330-622	R033P-100330-622	R034-100330-622	R032M-100330-622
360 mm	R030-100360-622	R033-100360-622	R033P-100360-622	R034-100360-622	R032M-100360-622
jaw length 40 mm					
330 mm	R030-100330-623	R033-100330-623	R033P-100330-623	R034-100330-623	R032M-100330-623
360 mm	R030-100360-623	R033-100360-623	R033P-100360-623	R034-100360-623	R032M-100360-623
jaw length 50 mm					
330 mm	R030-100330-624	R033-100330-624	R033P-100330-624	R034-100330-624	R032M-100330-624
360 mm	R030-100360-624	R033-100360-624	R033P-100360-624	R034-100360-624	R032M-100360-624



DEBAKEY clamp, double teeth, jaw length 30 mm, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-631	R033-100330-631	R033P-100330-631	R034-100330-631	R032M-100330-631
360 mm	R030-100360-631	R033-100360-631	R033P-100360-631	R034-100360-631	R032M-100360-631
jaw length 40 mm					
330 mm	R030-100330-632	R033-100330-632	R033P-100330-632	R034-100330-632	R032M-100330-632
360 mm	R030-100360-632	R033-100360-632	R033P-100360-632	R034-100360-632	R032M-100360-632
jaw length 50 mm					
330 mm	R030-100330-633	R033-100330-633	R033P-100330-633	R034-100330-633	R032M-100330-633
360 mm	R030-100360-633	R033-100360-633	R033P-100360-633	R034-100360-633	R032M-100360-633

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R034 - 000 000 - 000



R032M - 000 000 - 000

Ø 10 mm

40 mm



BABCOCK grasping forceps fine, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-618	R033-100330-618	R033P-100330-618	R034-100330-618	R032M-100330-618
360 mm	R030-100360-618	R033-100360-618	R033P-100360-618	R034-100360-618	R032M-100360-618

26,5 mm



COLLIN clamp, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-620	R033-100330-620	R033P-100330-620	R034-100330-620	R032M-100330-620
360 mm	R030-100360-620	R033-100360-620	R033P-100360-620	R034-100360-620	R032M-100360-620

30 mm

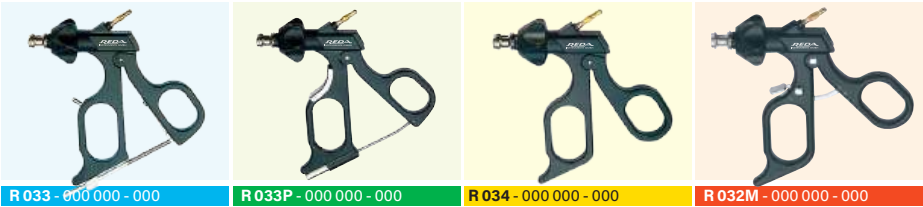


PENNINGTON clamp, double action jaws

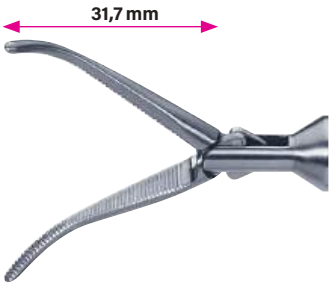
Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-650	R033-100330-650	R033P-100330-650	R034-100330-650	R032M-100330-650
360 mm	R030-100360-650	R033-100360-650	R033P-100360-650	R034-100360-650	R032M-100360-650

Carbon Handles

more details at the beginning of the chapter

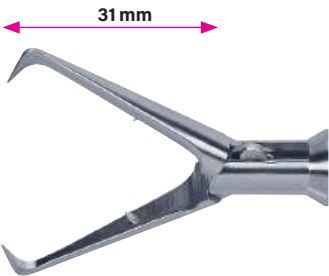


Ø 10 mm



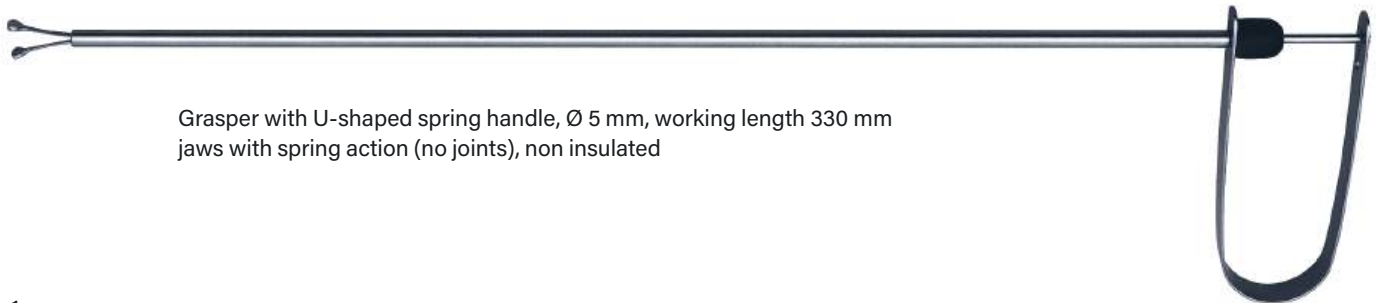
OVERHOLT clamp with fine teeth, curved, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-654	R033-100330-654	R033P-100330-654	R034-100330-654	R032M-100330-654
360 mm	R030-100360-654	R033-100360-654	R033P-100360-654	R034-100360-654	R032M-100360-654



Tenaculum forceps, double action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R030-100330-656	R033-100330-656	R033P-100330-656	R034-100330-656	R032M-100330-656
360 mm	R030-100360-656	R033-100360-656	R033P-100360-656	R034-100360-656	R032M-100360-656



Grasper with U-shaped spring handle, Ø 5 mm, working length 330 mm
jaws with spring action (no joints), non insulated

1:1



Atraumatic grasper

R039 - 0533 - 001



Bowl grasper, square pattern jaws

R039 - 0533 - 002



Bowl grasper, T-shaped jaws

R039 - 0533 - 003



Tissue and bowel grasper, ball and socket type

R039 - 0533 - 004



Fallopian tube grasper

R039 - 0533 - 006



1 x 2 teeth grasper slim

R039 - 0533 - 007



Bowel grasper, round

R039 - 0533 - 010



Atraumatic grasper, fenestrated

R039 - 0533 - 013

1:1



Tissue grasper, U-shaped jaws

R039 - 0533 - 014



Grasper, blunt

R039 - 0533 - 015



Falopian grasper, blunt

R039 - 0533 - 016

Pack of 10 pieces



length, diameter	
480 mm, Ø 3 mm	96000-03
480 mm, Ø 5 mm	96000-05
480 mm, Ø 7 mm	96000-07
480 mm, Ø 12 mm	96000-12

Scissors / Biopsy forceps



Ø 5 und 10 mm



Mechanical snap-action coupling !

The Ø 5 and 10 mm modular REDA laparoscopic instruments have a unique snap-action coupling which, offering 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 is the case with conventional screw or bayonet connections.

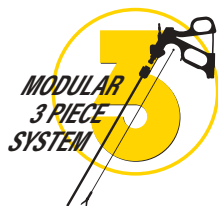
REDA - simplicity is so clever !



Nut stopper

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

REDA - detail is the decisive factor !



Laparoscopy -
Carbon Handles for Ø 3 / 5 / 10 mm tube shafts



Ø 3 / 5 / 10 mm



Ergonomic universal carbon handle with ratchet,
Lever for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033 - 000000 - 000



Ergonomic carbon handle with stepless ratchet,
ratchet by finger press resolve, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033P - 000000 - 000



Ergonomic carbon handle,
HF-connector Ø 4 mm male 45° lateral, rotating head 360°, autoclavable

R034 - 000000 - 000



Ergonomic universal carbon handle with ratchet,
Button for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R032M - 000000 - 000

Ø 3 / 5 / 10 mm



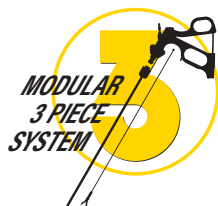
Ergonomic carbon handle with stepless ratchet,
ratchet activating / release lever, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033M - 000000 - 000



Protection cap for HF-connector Ø 4 mm

R030 - 000000



Laparoscopy -
Handles for Ø 3 / 5 / 10 mm tube shafts



Ø 3 / 5 / 10 mm



1:3

Axial handle, v-shaped type with spreading spring and ratchet

R038 - 000000 - 000



1:3

Axial handle, with spreading spring

R048 - 000000 - 000



1:3

Axial handle with rings and ratchet

R037 - 000000 - 000



1:3

Axial ring handle

R047 - 000000 - 000



Axial handle, v-shaped angled, type with spreading spring and ratchet

R039 - 000000 - 000



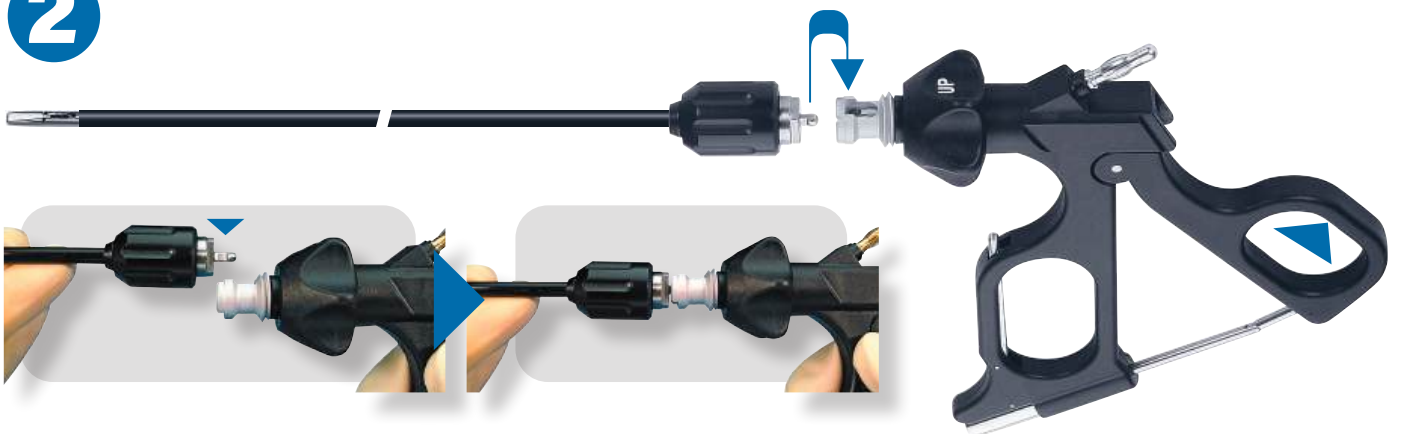
Axial handle, angled, with spreading spring

R040 - 000000 - 000

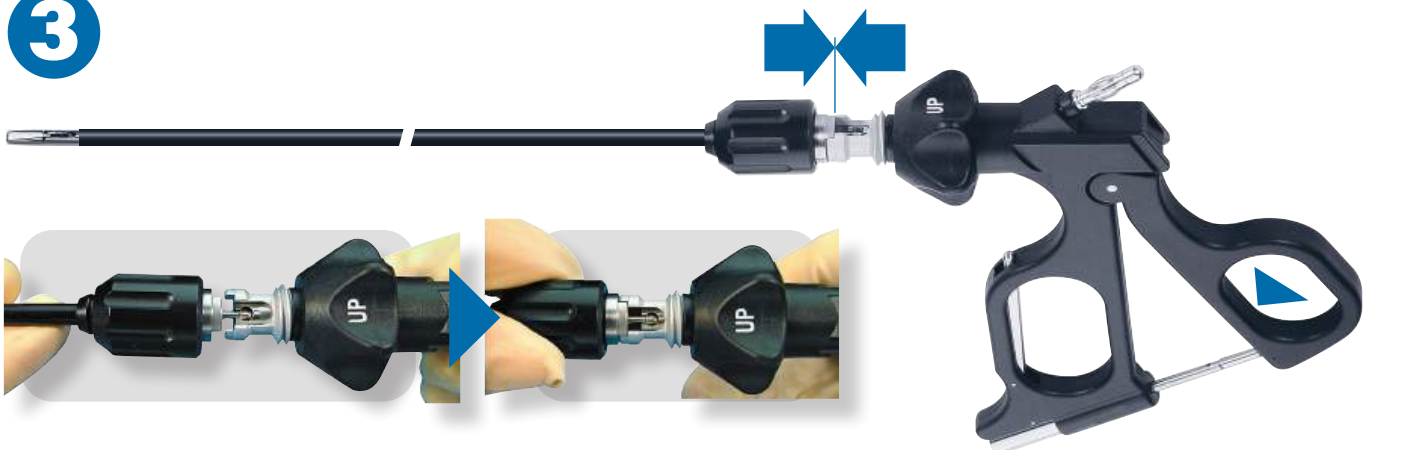
1



2



3



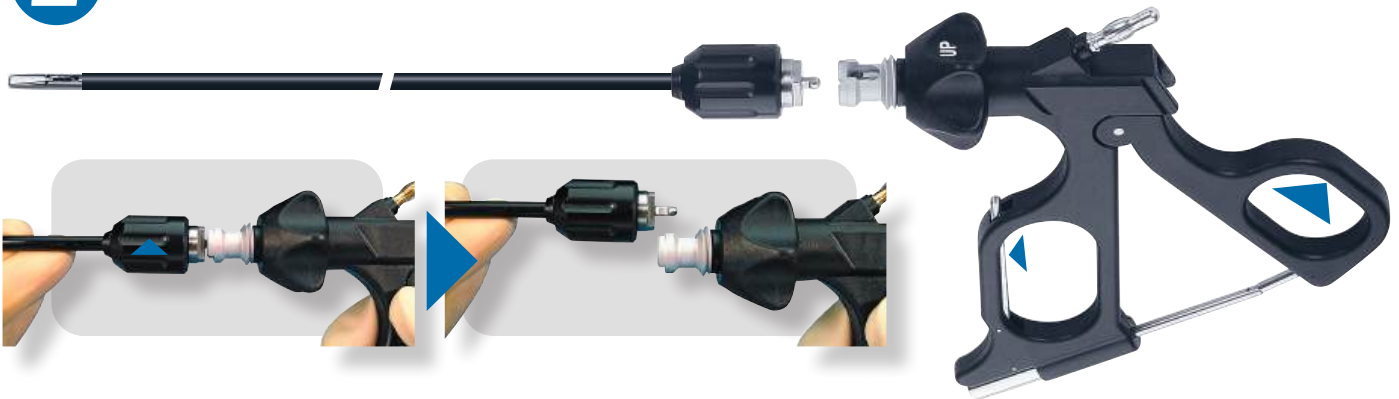
4



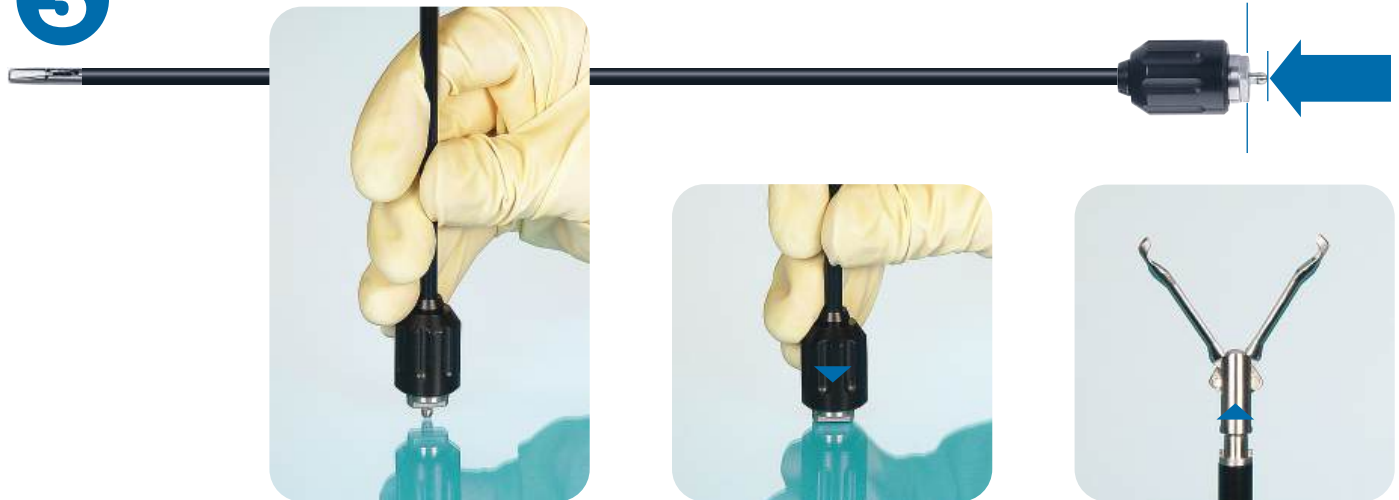
1



2

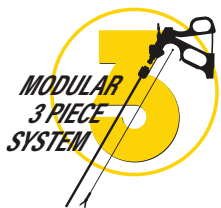


3



4





Ø 5 mm



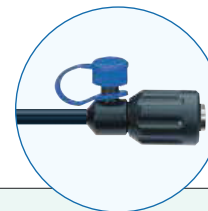
Tube Shaft, insulated shaft length: **330 mm**

without LUER Lock

R030 - 050330 - 000

with LUER Lock

R030 - 050330 - 000 L



Tube Shaft, insulated shaft length: **360 mm**

without LUER Lock

R030 - 050360 - 000

with LUER Lock

R030 - 050360 - 000 L



Tube Shaft, insulated shaft length: **450 mm**

without LUER Lock

R030 - 050450 - 000

with LUER Lock

R030 - 050450 - 000 L

Ø 10 mm



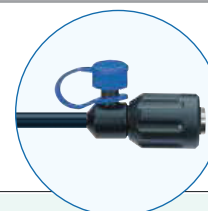
Tube Shaft, insulated shaft length: **330 mm**

cylindrical

R030 - 100330 - 000

with LUER Lock

R030 - 100330 - 000 L



Tube Shaft, insulated, for adipose patients

shaft length: **360 mm**

cylindrical

with LUER Lock

R030 - 100360 - 000

R030 - 100360 - 000 L



Tube Shaft, insulated, for adipose patients

shaft length: **450 mm**

cylindrical

with LUER Lock

R030 - 100450 - 000

R030 - 100450 - 000 L



Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter



also available
with angled
handle

Ø 5 mm

18 mm



METZENBAUM preparation scissors, straight, double action jaws

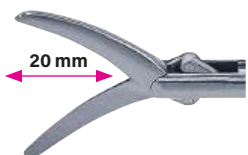
Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-110	R044-050330-110	R057-050330-110	R058-050330-110
360 mm	R040-050360-110	R044-050360-110	R057-050360-110	R058-050360-110
450 mm	R040-050450-110	R044-050450-110	R057-050450-110	R058-050450-110



17 mm

METZENBAUM preparation scissors, curved, double action jaws

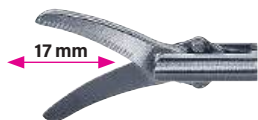
Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-112	R044-050330-112	R057-050330-112	R058-050330-112
360 mm	R040-050360-112	R044-050360-112	R057-050360-112	R058-050360-112
450 mm	R040-050450-112	R044-050450-112	R057-050450-112	R058-050450-112



20 mm

Preparation scissors „WONDERCUT“, curved, double action jaws

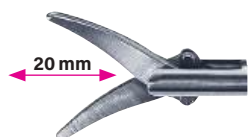
Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-113	R044-050330-113	R057-050330-113	R058-050330-113
360 mm	R040-050360-113	R044-050360-113	R057-050360-113	R058-050360-113
450 mm	R040-050450-113	R044-050450-113	R057-050450-113	R058-050450-113



17 mm

METZENBAUM preparation scissors, strong version, serrated, curved, double action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-125	R044-050330-125	R057-050330-125	R058-050330-125
360 mm	R040-050360-125	R044-050360-125	R057-050360-125	R058-050360-125
450 mm	R040-050450-125	R044-050450-125	R057-050450-125	R058-050450-125



20 mm

METZENBAUM preparation scissors, soft, curved, double action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-122	R044-050330-122	R057-050330-122	R058-050330-122
360 mm	R040-050360-122	R044-050360-122	R057-050360-122	R058-050360-122
450 mm	R040-050450-122	R044-050450-122	R057-050450-122	R058-050450-122

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter

**also available
with angled
handle**

Ø 5 mm

10,5 mm



R 034 - 000 000 - 000

R 047 - 000 000 - 000

R 048 - 000 000 - 000

R 040 - 000 000 - 000

Peritoneal scissors, serrated, straight, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-114	R044-050330-114	R057-050330-114	R058-050330-114
360 mm	R040-050360-114	R044-050360-114	R057-050360-114	R058-050360-114
450 mm	R040-050450-114	R044-050450-114	R057-050450-114	R058-050450-114

9 mm



Hook scissors, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-116	R044-050330-116	R057-050330-116	R058-050330-116
360 mm	R040-050360-116	R044-050360-116	R057-050360-116	R058-050360-116
450 mm	R040-050450-116	R044-050450-116	R057-050450-116	R058-050450-116

5,5 mm



Micro scissors, straight, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-118	R044-050330-118	R057-050330-118	R058-050330-118
360 mm	R040-050360-118	R044-050360-118	R057-050360-118	R058-050360-118
450 mm	R040-050450-118	R044-050450-118	R057-050450-118	R058-050450-118

5,3 mm



Micro scissors, curved, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-120	R044-050330-120	R057-050330-120	R058-050330-120
360 mm	R040-050360-120	R044-050360-120	R057-050360-120	R058-050360-120
450 mm	R040-050450-120	R044-050450-120	R057-050450-120	R058-050450-120

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

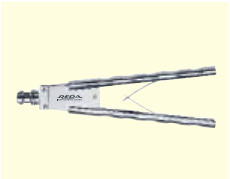
more details at the beginning of the chapter



R 034 - 000 000 - 000



R 047 - 000 000 - 000



R 048 - 000 000 - 000



R 040 - 000 000 - 000

also available
with angled
handle

Ø 10 mm



MAYO operating scissors, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-100330-710	R044-100330-710	R057-100330-710	R058-100330-710
360 mm	R040-100360-710	R044-100360-710	R057-100360-710	R058-100360-710
450 mm	R040-100450-710	R044-100450-710	R057-100450-710	R058-100450-710

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

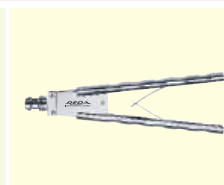
more details at the beginning of the chapter



R034 - 000 000 - 000



R047 - 000 000 - 000



R048 - 000 000 - 000



R040 - 000 000 - 000

Ø 5 mm

15 mm



BLAKESLEY tumor forceps, pointed, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-268	R044-050330-268	R057-050330-268	R058-050330-268
360 mm	R040-050360-268	R044-050360-268	R057-050360-268	R058-050360-268
450 mm	R040-050450-268	R044-050450-268	R057-050450-268	R058-050450-268

8 mm



Biopsy cup, sharp, without thorn, double action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-310	R044-050330-310	R057-050330-310	R058-050330-310
360 mm	R040-050360-310	R044-050360-310	R057-050360-310	R058-050360-310
450 mm	R040-050450-310	R044-050450-310	R057-050450-310	R058-050450-310

8 mm



Biopsy cup, sharp, with thorn, double action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-312	R044-050330-312	R057-050330-312	R058-050330-312
360 mm	R040-050360-312	R044-050360-312	R057-050360-312	R058-050360-312
450 mm	R040-050450-312	R044-050450-312	R057-050450-312	R058-050450-312

11 mm



Alligator, cup, grasping and biopsy forceps, double action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-314	R044-050330-314	R057-050330-314	R058-050330-314
360 mm	R040-050360-314	R044-050360-314	R057-050360-314	R058-050360-314
450 mm	R040-050450-314	R044-050450-314	R057-050450-314	R058-050450-314

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter

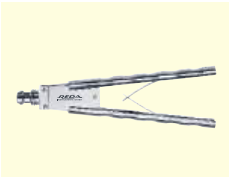
Ø 5 mm



R 034 - 000 000 - 000



R 047 - 000 000 - 000



R 048 - 000 000 - 000



also available
with angled
handle

R 040 - 000 000 - 000

14,5 mm



Biopsy cup, long, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-316	R044-050330-316	R057-050330-316	R058-050330-316
360 mm	R040-050360-316	R044-050360-316	R057-050360-316	R058-050360-316
450 mm	R040-050450-316	R044-050450-316	R057-050450-316	R058-050450-316

14,5 mm



Biopsy cup, long, with thorn, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-318	R044-050330-318	R057-050330-318	R058-050330-318
360 mm	R040-050360-318	R044-050360-318	R057-050360-318	R058-050360-318
450 mm	R040-050450-318	R044-050450-318	R057-050450-318	R058-050450-318

10 mm



Biopsy cup, tapering, fenestrated, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-320	R044-050330-320	R057-050330-320	R058-050330-320
360 mm	R040-050360-320	R044-050360-320	R057-050360-320	R058-050360-320
450 mm	R040-050450-320	R044-050450-320	R057-050450-320	R058-050450-320

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

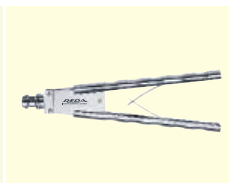
more details at the beginning of the chapter



R 034 - 000 000 - 000



R 047 - 000 000 - 000



R 048 - 000 000 - 000



R 040 - 000 000 - 000

also available
with angled
handle

Ø 5 mm

8,5 mm



Biopsy punch without thorn, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-410	R044-050330-410	R057-050330-410	R058-050330-410
360 mm	R040-050360-410	R044-050360-410	R057-050360-410	R058-050360-410
450 mm	R040-050450-410	R044-050450-410	R057-050450-410	R058-050450-410

8,5 mm



Biopsy punch with thorn, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-050330-412	R044-050330-412	R057-050330-412	R058-050330-412
360 mm	R040-050360-412	R044-050360-412	R057-050360-412	R058-050360-412
450 mm	R040-050450-412	R044-050450-412	R057-050450-412	R058-050450-412

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter

Ø 10 mm



R 034 - 000 000 - 000



R 047 - 000 000 - 000

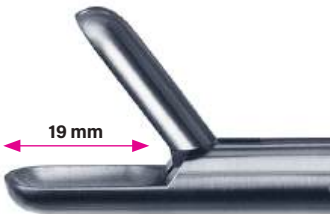


R 048 - 000 000 - 000



R 040 - 000 000 - 000

also available
with angled
handle



Cup forceps, big, sharp, without thorn, single action jaws

Working length	Working insert alone	Complete instrument		
330 mm	R040-100330-810	R044-100330-810	R057-100330-810	R058-100330-810
360 mm	R040-100360-810	R044-100360-810	R057-100360-810	R058-100360-810
450 mm	R040-100450-810	R044-100450-810	R057-100450-810	R058-100450-810

Ø 5 und 10 mm



Mechanical snap-action coupling !

The Ø 5 and 10 mm modular REDA laparoscopic instruments have a unique snap-action coupling which, offering 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 is the case with conventional screw or bayonet connections.

REDA - simplicity is so clever !



Nut stopper

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

REDA - detail is the decisive factor !



Laparoscopy -
Carbon Handles for Ø 3 / 5 / 10 mm tube shafts



Ø 3 / 5 / 10 mm



Ergonomic universal carbon handle with ratchet,
Lever for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033 - 000000 - 000



Ergonomic carbon handle with stepless ratchet,
ratchet by finger press resolve, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033P - 000000 - 000



Ergonomic carbon handle,
HF-connector Ø 4 mm male 45° lateral, rotating head 360°, autoclavable

R034 - 000000 - 000



Ergonomic universal carbon handle with ratchet,
Button for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R032M - 000000 - 000

Ø 3 / 5 / 10 mm



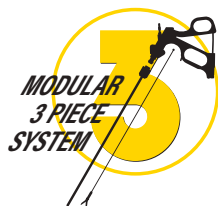
Ergonomic carbon handle with stepless ratchet,
ratchet activating / release lever, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033M - 000000 - 000



Protection cap for HF-connector Ø 4 mm

R030 - 000000



Laparoscopy -
Carbon Handles for Ø 3 / 5 / 10 mm tube shafts



Ø 3 / 5 / 10 mm



1:3

Axial handle, v-shaped type with spreading spring and ratchet

R038 - 000000 - 000



1:3

Axial handle, with spreading spring

R048 - 000000 - 000



1:3

Axial handle with rings and ratchet

R037 - 000000 - 000



1:3

Axial ring handle

R047 - 000000 - 000



Axial handle, v-shaped angled, type with spreading spring and ratchet

R039 - 000000 - 000



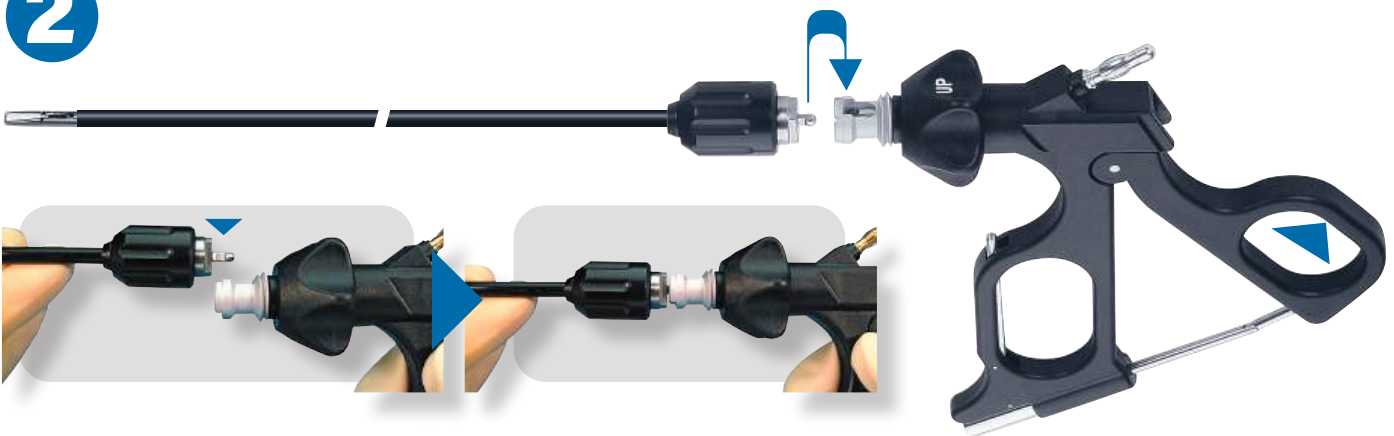
Axial handle, angled, with spreading spring

R040 - 000000 - 000

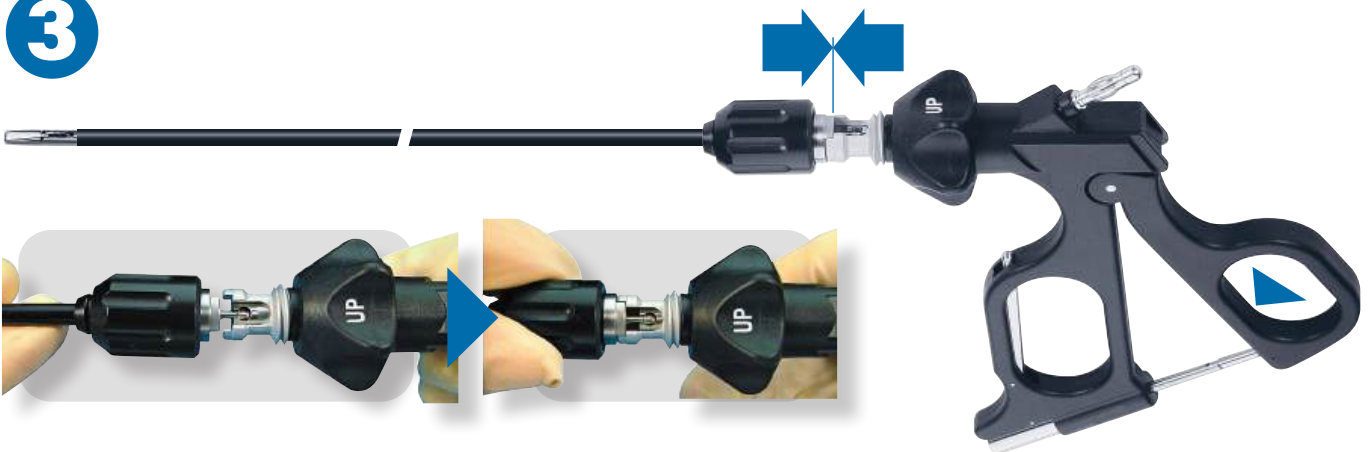
1



2



3



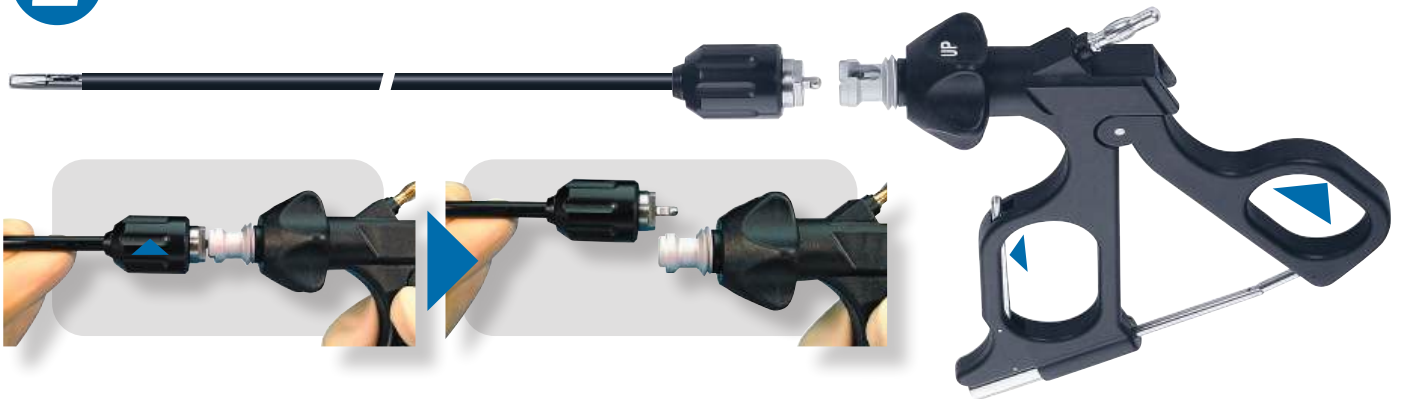
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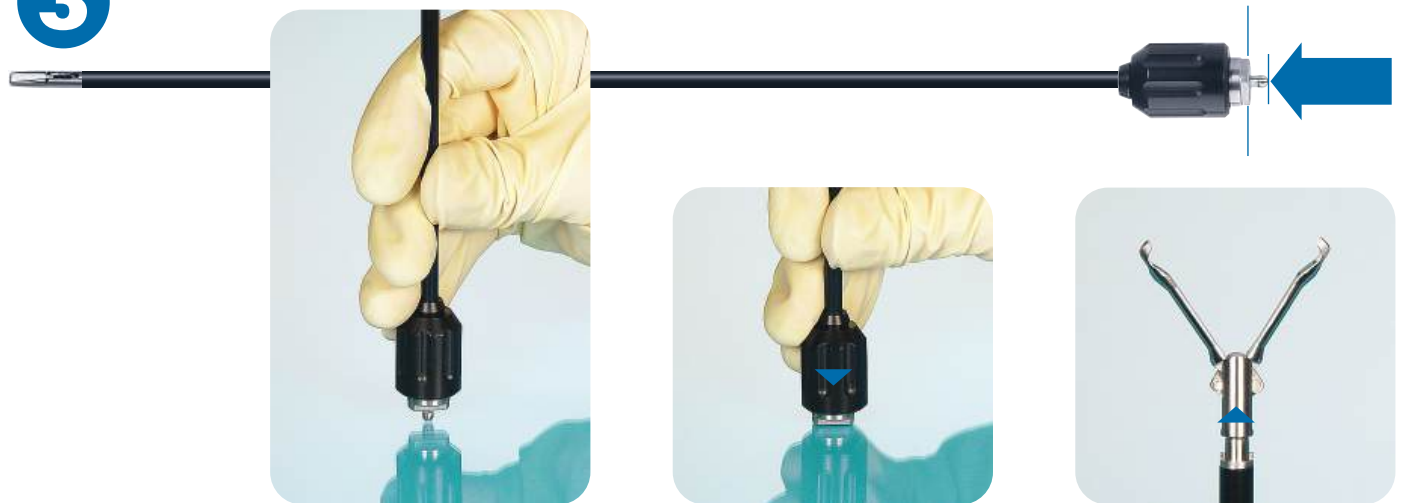
1



2

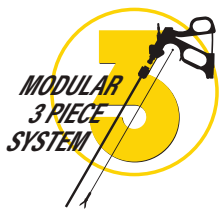


3



4





Ø 5 mm



Tube Shaft, insulated shaft length: **330 mm**

without LUER Lock

R030 - 050330 - 000

with LUER Lock

R030 - 050330 - 000 L



Tube Shaft, insulated shaft length: **360 mm**

without LUER Lock

R030 - 050360 - 000

with LUER Lock

R030 - 050360 - 000 L



Tube Shaft, insulated shaft length: **450 mm**

without LUER Lock

R030 - 050450 - 000

with LUER Lock

R030 - 050450 - 000 L

Ø 10 mm



Tube Shaft, insulated shaft length: **330 mm**

cylindrical

R030 - 100330 - 000

with LUER Lock

R030 - 100330 - 000 L



Tube Shaft, insulated, for adipose patients

shaft length: **360 mm**

cylindrical

R030 - 100360 - 000

with LUER Lock

R030 - 100360 - 000 L



Tube Shaft, insulated, for adipose patients

shaft length: **450 mm**

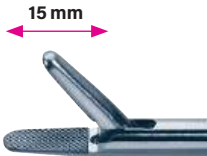
cylindrical

R030 - 100450 - 000

with LUER Lock

R030 - 100450 - 000 L

Ø 5 mm



Needle holder
with axial-ratchet-handle and LUER lock irrigation adapter,
Ø 5 mm, working length 330 mm - four jaw types available.

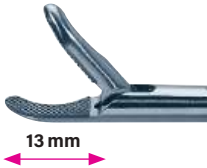
Needle holder, straight,
with inserted tungsten carbide, crosswise teeth, single action jaws

Working length	Handle, straight	Handle, angled
330 mm	R058-0533-350	R059-0533-350
450 mm	R058-0545-350	R059-0545-350



Needle holder, curved left,
with inserted tungsten carbide, crosswise teeth, single action jaws

Working length	Handle, straight	Handle, angled
330 mm	R058-0533-352	R059-0533-352
450 mm	R058-0545-352	R059-0545-352



Needle holder, curved right,
with inserted tungsten carbide, crosswise teeth, single action jaws

Working length	Handle, straight	Handle, angled
330 mm	R058-0533-354	R059-0533-354
450 mm	R058-0545-354	R059-0545-354



Needle holder/-positioner, convex/concave shaped jaws, with fixation teeth,
straight, with wolfram-carbide-coated tips, single action jaws

Working length	Handle, straight	Handle, angled
330 mm	R058-0533-360	R059-0533-360

Carbon Handles

more details at the beginning of the chapter



R033 - 000 000 - 000



R033P - 000 000 - 000



R032M - 000 000 - 000



R033M - 000 000 - 000

Ø 5 mm

15 mm



Needleholder with inserted tungsten carbide, straight, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R050-050330-350	R053-050330-350	R053P-050330-350	R051-050330-350	R052-050330-350
360 mm	R050-050360-350	R053-050360-350	R053P-050360-350	R051-050360-350	R052-050360-350
450 mm	R050-050450-350	R053-050450-350	R053P-050450-350	R051-050450-350	R052-050450-350

11 mm



Needleholder with inserted tungsten carbide, curved left, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R050-050330-352	R053-050330-352	R053P-050330-352	R051-050330-352	R052-050330-352
360 mm	R050-050360-352	R053-050360-352	R053P-050360-352	R051-050360-352	R052-050360-352
450 mm	R050-050450-352	R053-050450-352	R053P-050450-352	R051-050450-352	R052-050450-352



13 mm

Needleholder with inserted tungsten carbide, curved right, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R050-050330-354	R053-050330-354	R053P-050330-354	R051-050330-354	R052-050330-354
360 mm	R050-050360-354	R053-050360-354	R053P-050360-354	R051-050360-354	R052-050360-354
450 mm	R050-050450-354	R053-050450-354	R053P-050450-354	R051-050450-354	R052-050450-354



14,5 mm

Needleholder/-positioner insert, convex/concav shaped jaws with fixation-teeth, Wolfram-Karbit finish, single action jaws

Working length	Working insert alone	Complete instrument			
330 mm	R050-050330-360	R053-050330-360	R053P-050330-360	R051-050330-360	R052-050330-360
360 mm	R050-050360-360	R053-050360-360	R053P-050360-360	R051-050360-360	R052-050360-360
450 mm	R050-050450-360	R053-050450-360	R053P-050450-360	R051-050450-360	R052-050450-360

Stainless steel Handles
more details at the beginning of the chapter

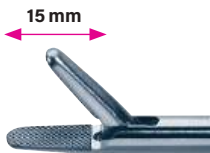


R 037 - 000 000 - 000

R 038 - 000 000 - 000

R 039 - 000 000 - 000

Ø 5 mm



Needleholder with inserted tungsten carbide, straight, single action jaws

Complete instrument

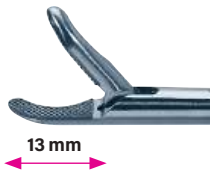
			Working length mm
R057-050330-350	R058-050330-350	R059-050330-350	330
R057-050360-350	R058-050360-350	R059-050360-350	360
R057-050450-350	R058-050450-350	R059-050450-350	450



Needleholder with inserted tungsten carbide, curved left, single action jaws

Complete instrument

			Working length mm
R057-050330-352	R058-050330-352	R059-050330-352	330
R057-050360-352	R058-050360-352	R059-050360-352	360
R057-050450-352	R058-050450-352	R059-050450-352	450



Needleholder with inserted tungsten carbide, curved right, single action jaws

Complete instrument

			Working length mm
R057-050330-354	R058-050330-354	R059-050330-354	330
R057-050360-354	R058-050360-354	R059-050360-354	360
R057-050450-354	R058-050450-354	R059-050450-354	450

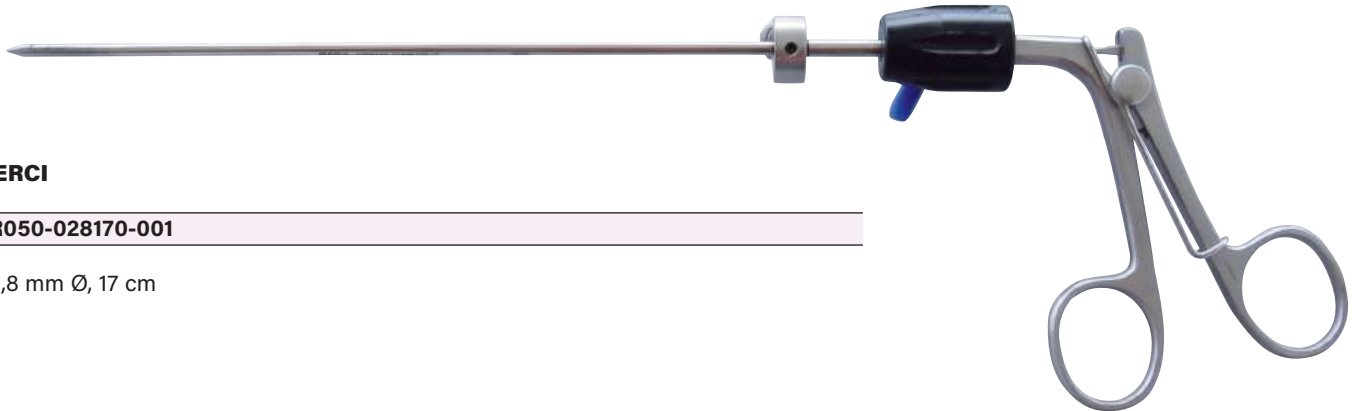


Needleholder/-positioner insert, convex/concav shaped jaws with fixation-teeth, Wolfram-Karbit finish, single action jaws

Complete instrument

			Working length mm
R057-050330-360	R058-050330-360	R059-050330-360	330
R057-050360-360	R058-050360-360	R059-050360-360	360
R057-050450-360	R058-050450-360	R059-050450-360	450

Ø 2,8 mm



BERCI

R050-028170-001

2,8 mm Ø, 17 cm

Ø 4 mm



R050-050330-01

Knot tier with eye 4 mm Ø, 330 mm working length



R050-050330-02

Knot guide with slot 4 mm Ø, 330 mm working length



R050-050330-03

Knot pusher with closed eye 4 mm Ø, 330 mm working length

Ø 2,3 mm



R050-050340-00

The fascia-suture assisting device („fsad“) 2,3 mm Ø, 140 mm working length

Pic. 1



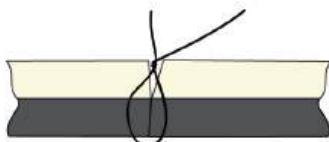
Push down the ring handle so that the needle is positioned outside the cannula. Set the thread into the „fsad“ and make sure that the thread is positioned in the middle. Pull back the ring handle with your thumb so that the catcher hook will be retracted into the cannula.

Pic. 3



Now penetrate the „fsad“ on the other side of the Trocar (Pic. 2). - Please make sure again that the catcher hook is retracted during this procedure. When you have 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.

Pic. 5



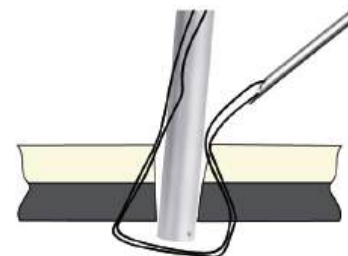
Knot the thread tightly in the subcutaneous tissue. This ensures an easy and safe handling of the abdominal wall closure.

Pic. 2



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 this 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“

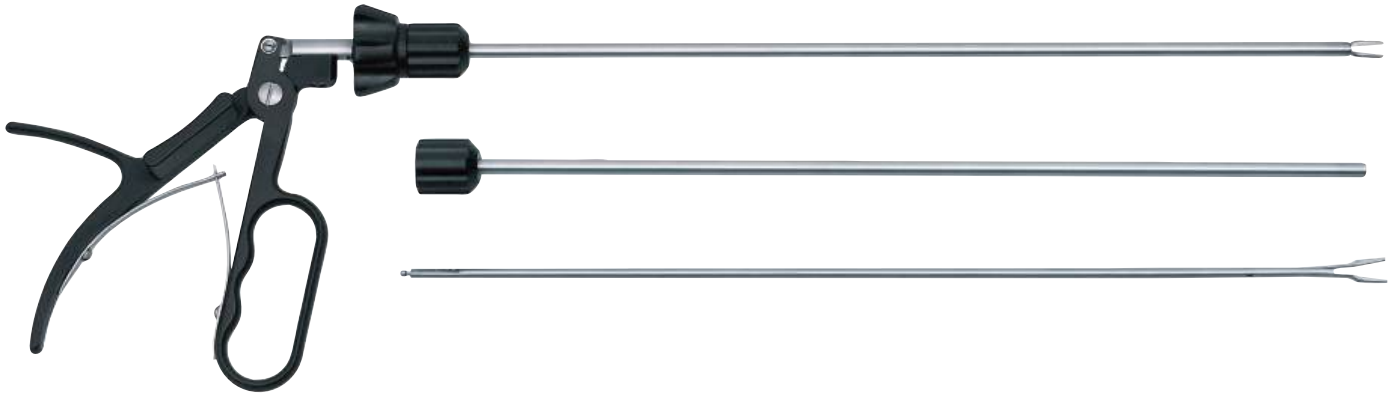
Pic. 4



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.

Ø 5 mm

Clip applying forceps, 5 mm Ø, 330 mm working length, detachable (3-parts), 360° rotatable, for TITAN-Clips



for Clips-Type	Forceps complete	Insert alone	Handle alone	Shaft tube alone
Ethicon - small	R056-050330-01	R056-050000-01	R056-050000-00	R056-050330-00
Ethicon - medium	R056-050330-02	R056-050000-02		
Weck - small	R056-050330-11	R056-050000-11		
Weck - medium	R056-050330-12	R056-050000-12		
Pilling - small	R056-050330-21	R056-050000-21		
Pilling - medium	R056-050330-22	R056-050000-22		
Horizon - small	R056-050330-41	R056-050000-41		
Horizon - medium	R056-050330-42	R056-050000-42		

Ø 10 mm

Clip applying forceps, 10 mm Ø, 330 mm working length, 360° rotatable, with LL-rinsing channel, for TITAN-Clips

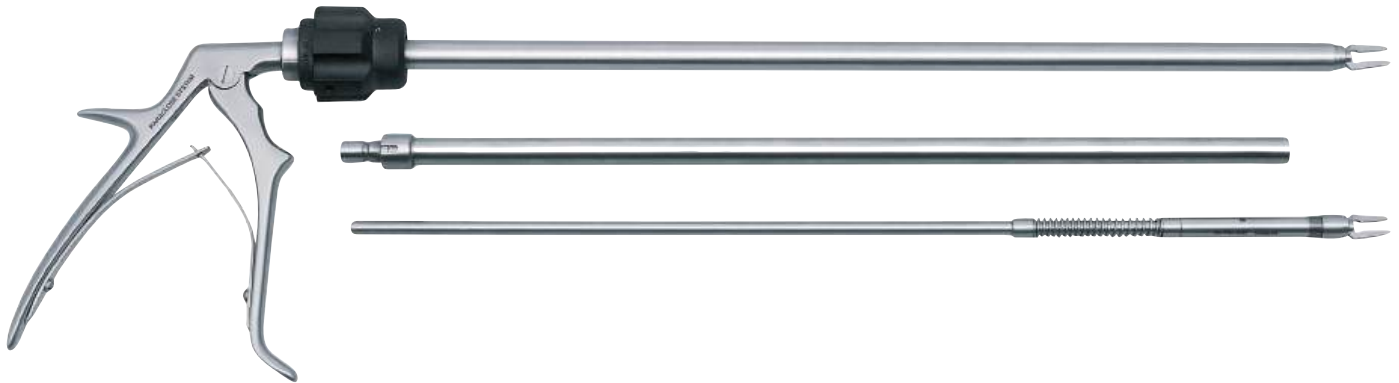


for Clips-Type	
Ethicon - small	R055-100330-01
Ethicon - medium	R055-100330-02
Ethicon - medium-large	R055-100330-03
Ethicon - large	R055-100330-04
Weck - small	R055-100330-11
Weck - medium	R055-100330-12
Weck - medium-large	R055-100330-13
Pilling - small	R055-100330-21
Pilling - medium	R055-100330-22
Pilling - medium-large	R055-100330-23

for Clips-Type	
SLS - small	R055-100330-31
SLS - medium	R055-100330-32
SLS - medium-large	R055-100330-33
SLS - large	R055-100330-34
Horizon - small	R055-100330-41
Horizon - medium	R055-100330-42
Horizon - medium-large	R055-100330-43
Horizon - large	R055-100330-44

Ø 10 mm

Clip applying forceps, 10 mm Ø, 330 mm working length, detachable (3-parts), 360° rotatable, for TITAN-Clips



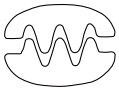
for Clips-Type	Forceps complete	Insert alone
Ethicon - small	R056-100330-01	R056-100000-01
Ethicon - medium	R056-100330-02	R056-100000-02
Ethicon - medium-large	R056-100330-03	R056-100000-03
Ethicon - large	R056-100330-04	R056-100000-04
Weck - small	R056-100330-11	R056-100000-11
Weck - medium	R056-100330-12	R056-100000-12
Weck - medium-large	R056-100330-13	R056-100000-13
Weck - large	R056-100330-14	R056-100000-14
Pilling - small	R056-100330-21	R056-100000-21
Pilling - medium	R056-100330-22	R056-100000-22
Pilling - medium-large	R056-100330-23	R056-100000-23
SLS - small	R056-100330-31	R056-100000-31
SLS - medium	R056-100330-32	R056-100000-32
SLS - medium-large	R056-100330-33	R056-100000-33
SLS - large	R056-100330-34	R056-100000-34
Horizon - small	R056-100330-41	R056-100000-41
Horizon - medium	R056-100330-42	R056-100000-42
Horizon - medium-large	R056-100330-43	R056-100000-43

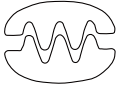
Ø 10 mm

Endoscopic bulldog clamp applier, 10 mm Ø, 330 mm working length, 360° rotatable, with LL-rinsing channel



R059-100330-01

Bulldog clamps	Jaws length	Straight	Curved
 2 x 3 Teeth	17 mm	R059-100-17	R059-101-17
	25 mm	R059-100-25	R059-101-25
	45 mm	R059-100-45	R059-101-45
	60 mm	R059-100-60	R059-101-60

Bulldog clamps (Satinsky) 2 x 3 teeth	Jaws length	Curved	Angled upwards
  2 x 3 Teeth	60 mm	R059-102-01	R059-103-01

Ø 5 mm

Monopolar electrode with small handle, HF-connector 5 mm male



	Type	Working length 330 mm	Working length 450 mm
	Button type electrode	R062-050330-001	R062-050450-001
	J-hook electrode	R062-050330-002	R062-050450-002
	90°-hook electrode	R062-050330-003	R062-050450-003
	Spatula electrode	R062-050330-004	R062-050450-004
	Needle electrode	R062-050330-005	R062-050450-005

Monopolar electrode with small handle, HF-connector 5 mm male



	Type	Working length 330 mm	Working length 450 mm
	Button type electrode	R060-050330-001	R060-050450-001
	J-hook electrode	R060-050330-002	R060-050450-002
	L-hook electrode	R060-050330-003	R060-050450-003
	Spatula electrode	R060-050330-004	R060-050450-004
	Needle electrode	R060-050330-005	R060-050450-005

Ø 5 mm

Monopolar electrode with trumpet valve and LL-adapter, HF-connector 5 mm male



	type	Working length 330 mm	Working length 450 mm
	Button type electrode	R063-050330-001	R063-050450-001
	J-hook electrode	R063-050330-002	R063-050450-002
	L-hook electrode	R063-050330-003	R063-050450-003
	Spatula electrode	R063-050330-004	R063-050450-004
	Needle electrode	R063-050330-005	R063-050450-005

Ø 5 mm

Monopolar electrode modular, adaptable on handles (see page 6/5, LL-connector)



	type	Working length 330 mm
	Button type electrode	R064-050330-001
	J-hook electrode	R064-050330-002
	L-hook electrode	R064-050330-003
	Spatula electrode	R064-050330-004
	Needle electrode	R064-050330-005



R064-050000-006

Pistol Handle with Sliding Valve

for exchangeable electrodes, with rotatable adapter and sidewise HF-Connector two combined Luer-Lock / Tube Connectors



R064-050000-010

Suction-Irrigation-Sliding Valve with Electrode Adapter

for exchangeable electrodes, with rotatable adapter and side HF-Connector combined Luer-Lock / Tube Connector



R064-050000-011

Trumpet Valve with Electrode Adapter

for exchangeable electrodes, with rotatable adapter and side HF-Connector combined Luer-Lock / Tube Connector

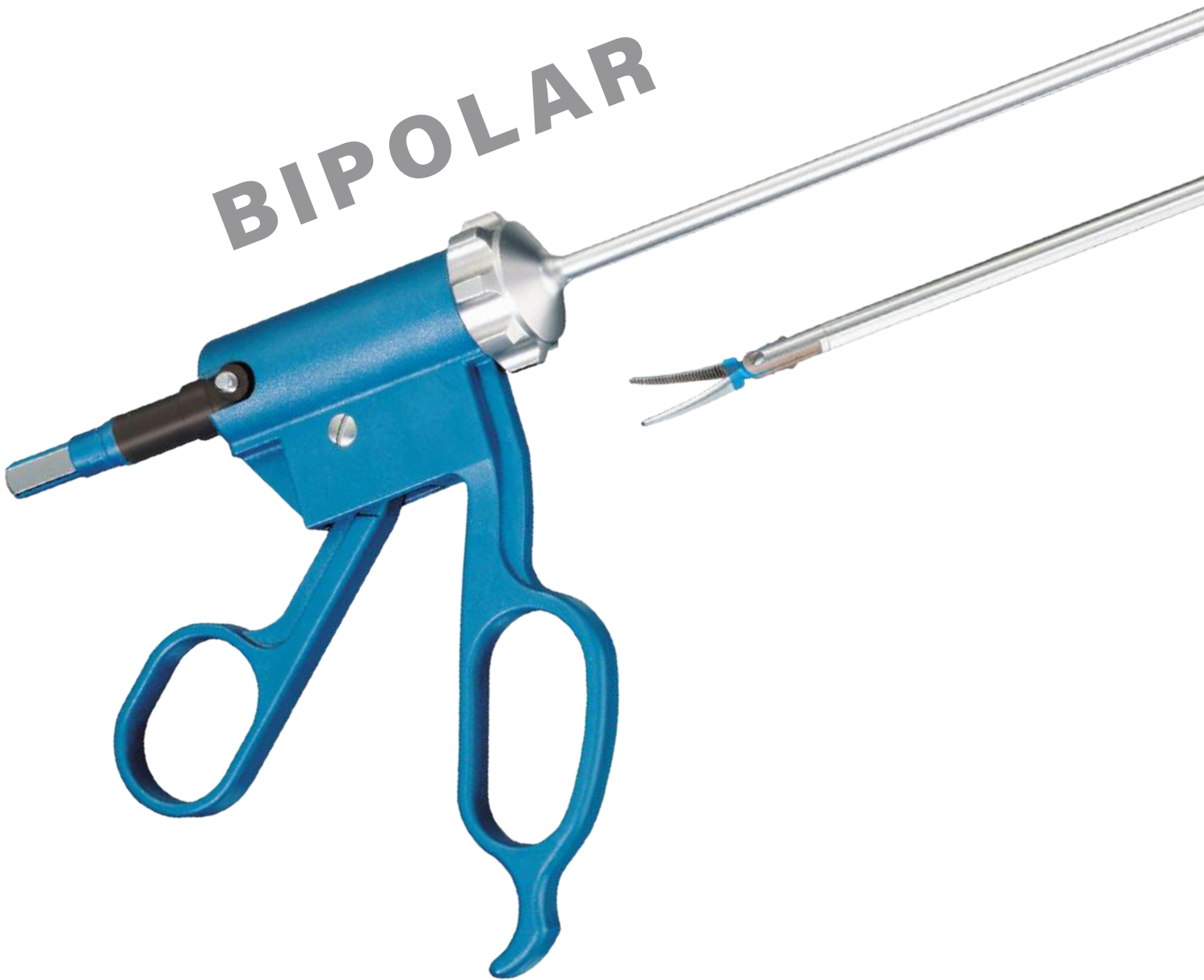
Monopolar

Unit side

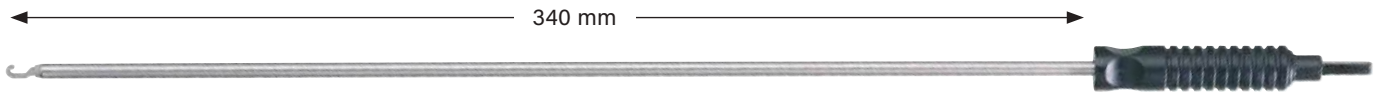
Instrument side

	Cable length Meter	female 4 mm Ø 
Erbe / Storz 5 mm Ø 	3	R060-050040-003
	5	R060-050040-005
Aesculap / Martin / Berchtold 4 mm Ø 	3	R060-040040-003
	5	R060-040040-005
Valleylab / Conmed / Soering Bowa / Bovie 8 mm Ø 	3	R060-080040-003
	5	R060-080040-005
Eschmann / Erbe T-Serie alte Geräte / old units 	3	R060-040040-203
	5	R060-040040-205

BIPOLAR



Ø 5 mm



Bipolar electrodes 340 mm working length



L-hook electrode

R067-050340-003

Ø 5 mm

For use in laparoscopy for grasping or cutting tissue during bipolar coagulation. This instrument is for connecting to the bipolar output of HF-generators with maximum power output 60 Watt. The electrode is 360° rotatable, there is no receding of the jaws when closing. This allows precise grasping or cutting of the tissue.

Standard handle
R066-000000-500



Ring handle
R066-000000-600



HIRSCH



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-501	R066-050200-501	R066-050200-601
340 mm	R066-000340-501	R066-050340-501	R066-050340-601
450 mm	R066-000450-501	R066-050450-501	R066-050450-601

Micro



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-507	R066-050200-507	R066-050200-607
340 mm	R066-000340-507	R066-050340-507	R066-050340-607
450 mm	R066-000450-507	R066-050450-507	R066-050450-607

Ø 5 mm

Standard handle
R066-000000-500



Ring handle
R066-000000-600



KLEPPINGER



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-508	R066-050200-508	R066-050200-608
340 mm	R066-000340-508	R066-050340-508	R066-050340-608
450 mm	R066-000450-508	R066-050450-508	R066-050450-608

Atraumatic 3 mm smooth



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-503	R066-050200-503	R066-050200-603
340 mm	R066-000340-503	R066-050340-503	R066-050340-603
450 mm	R066-000450-503	R066-050450-503	R066-050450-603

METZENBAUM scissors curved



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-509	R066-050200-509	R066-050200-609
340 mm	R066-000340-509	R066-050340-509	R066-050340-609
450 mm	R066-000450-509	R066-050450-509	R066-050450-609

Ø 5 mm

Standard handle
R066-000000-500



Ring handle
R066-000000-600



METZENBAUM scissors curved TC blades



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-510	R066-050200-510	R066-050200-610
340 mm	R066-000340-510	R066-050340-510	R066-050340-610
450 mm	R066-000450-510	R066-050450-510	R066-050450-610

MARYLAND



Working length	Working insert alone	complete with handle	complete with handle
200 mm	R066-000200-521	R066-050200-521	R066-050200-621
340 mm	R066-000340-521	R066-050340-521	R066-050340-621
450 mm	R066-000450-521	R066-050450-521	R066-050450-621

Outer shaft tube



Working length	
200 mm	R066-050200-001
340 mm	R066-050340-001
450 mm	R066-050450-001

Inner shaft tube



Working length	
200 mm	R066-050200-000
340 mm	R066-050340-000
450 mm	R066-050450-000



Adapter for european flat plug

R066-000000-002



Adapter for US-cables

R066-000000-012

Ø 5 mm



Handle
R067-000000-700



Shaft
R067-050340-700

Insert alone



Large grasping forceps
R067-000340-713



Grasping forceps, curved
R067-000340-724



Forceps, curved
R067-000340-722



Scissors, curved
R067-000340-709



Delta Grasper
R067-000340-723



MARYLAND dissector, curved
R067-000340-721

Bipolar

Unit / Equipment side

Instrument side

	Cable length Meter	Europe flat plug	
			
Erbe / Storz 12,5 mm Ø 	3	R065-040125-003	R065-040125-103
	5	R065-040125-005	R065-040125-105
Martin / Berchtold 8 mm Ø AESCULAP Wolf 	3	R065-020080-003	R065-020080-103
	5	R065-020080-005	R065-020080-105
Valleylab / Lamidey / EMC 	3	R065-040285-003	R065-040285-103
	5	R065-040285-005	R065-040285-105
2-Pin U.S. Standard Eschmann 	3	R065-040000-003	R065-040000-103
	5	R065-040000-005	R065-040000-105



Bipolar forceps with rotating handle

This new innovative design provides the surgeon with comfortable ergonomic handling in all working positions.

The handles rotate independently of the shaft, so the instrument can be controlled in a relaxed natural way, reducing fatigue and enabling precise handling and control during surgery.

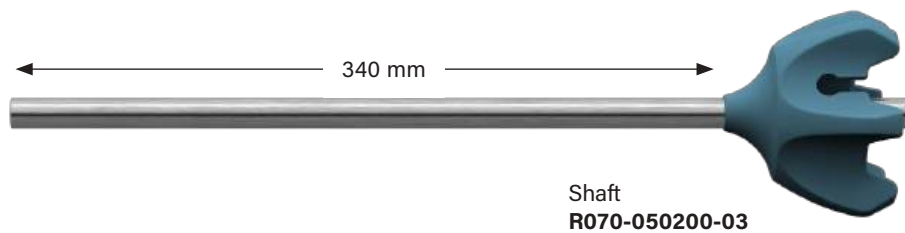
Ø 5 mm

bipolar forceps with rotatable handle



Handle
R070-050200-01

Handle, lockable
R070-050200-02



Shaft
R070-050200-03

Insert alone



Large grasping forceps
R070-050200-04



Scissors, curved
R070-050200-05



Grasping forceps,
fenestrated, curved
R070-050200-06



MARYLAND dissector, curved
R070-050200-07

Suction-Irrigation-Handle with Tube Connection

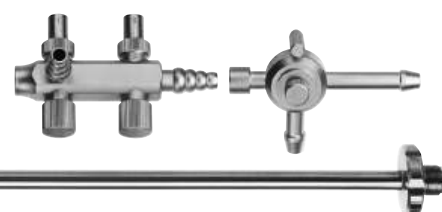
R071-000000-000


Suction-Irrigation-Handle with Sliding Valve and Tube Connection

R072-000000-000

Ø 5 / 10 mm

Suction-Irrigation-Tubes



working length Shaft tube alone

Roundhole Sucker, complete with handle

330 mm	R070-050330-004	4 Drillings, Ø 5 mm	R071-050330-004	R072-050330-004
---------------	------------------------	---------------------	------------------------	------------------------

330 mm	R070-050330-016	16 Drillings, Ø 5 mm	R071-050330-016	R072-050330-016
---------------	------------------------	----------------------	------------------------	------------------------

330 mm	R070-050330-032	32 Drillings, Ø 10 mm	R071-050330-032	R072-050330-032
---------------	------------------------	-----------------------	------------------------	------------------------

working length Shaft tube alone

Roundhole-Bee Hive Sucker, complete with handle

330 mm	R070-050330-048	48 Drillings, Ø 5 mm	R071-050330-048	R072-050330-048
---------------	------------------------	----------------------	------------------------	------------------------

working length Shaft tube alone

Stump Bee Hive Sucker, complete with handle

330 mm	R070-050330-049	48 Drillings, Ø 5 mm	R071-050330-049	R072-050330-049
---------------	------------------------	----------------------	------------------------	------------------------

500 mm	R070-050500-049	48 Drillings, Ø 5 mm	R071-050500-049	R072-050500-049
---------------	------------------------	----------------------	------------------------	------------------------

working length Shaft tube alone

Punction Needle Sucker, complete with handle

330 mm	R070-050330-002	Ø 5 mm	R071-050330-002	R072-050330-002
---------------	------------------------	--------	------------------------	------------------------

working length Shaft tube alone

Aqua Dissector Cannula, complete with handle

330 mm	R070-050330-001	Ø 5 mm	R071-050330-001	R072-050330-001
---------------	------------------------	--------	------------------------	------------------------

working length Shaft tube alone

Stump Sucker, complete with handle

330 mm	R070-050330-012	12 Drillings, Ø 5 mm	R071-050330-012	R072-050330-012
---------------	------------------------	----------------------	------------------------	------------------------

Ø 3,5 / 5 / 10 mm

Suction-Irrigation-Handle

with color-coding

- **20% less weight**
- **less individual parts**
- **color-coding**
blue - irrigation
green - suction



with large Tube-Connection and sidewise Tube-Luer-Lock-Connection

R078-000000-100 Handle

complete with both Suction-Irrigation-Tubes

complete with Tube-Set Ø 5 mm

/ 10 mm

R078-000000-199

R078-050330-116

R078-100330-116

- **two in one**
sidewise Tube-Luer-Lock-Connection



with small Tube-Connection and sidewise Tube-Luer-Lock-Connection

R079-000000-100 Handle

complete with both Suction-Irrigation-Tubes

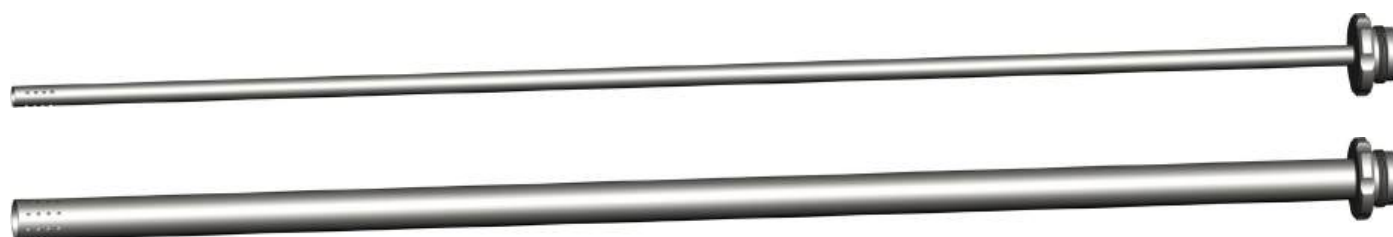
complete with Tube-Set Ø 5 mm

/ 10 mm

R079-000000-199

R079-050330-116

R079-100330-116



working length

240 mm	R070-035240-116	Ø 3,5 mm
330 mm	R070-050330-116	Ø 5 mm
330 mm	R070-100330-116	Ø 10 mm
450 mm	R070-050450-116	Ø 5 mm
450 mm	R070-100450-116	Ø 10 mm

Suction-Irrigation-Pistol-Handle
with sliding valve for exchangeable
shafts, two combined Luer-Lock,
Tube Connectors

R079-000000-200



Ø 3,0 mm

Suction-Irrigation-Tubes



working length Shaft tube alone

complete with 4 sidewise drillings

340 mm R070-030340-204

R079-030340-204

complete with 16 sidewise drillings

340 mm R070-030340-216

R079-030340-216

Ø 5,0 mm



working length Shaft tube alone

complete with 4 sidewise drillings

340 mm R070-050340-204

R079-050340-204

complete with 16 sidewise drillings

340 mm R070-050340-216

R079-050340-216

Ø 10 mm



working length Shaft tube alone

complete with 4 sidewise drillings

340 mm R070-100340-204

R079-100340-204

complete with 16 sidewise drillings

340 mm R070-100340-216

R079-100340-216

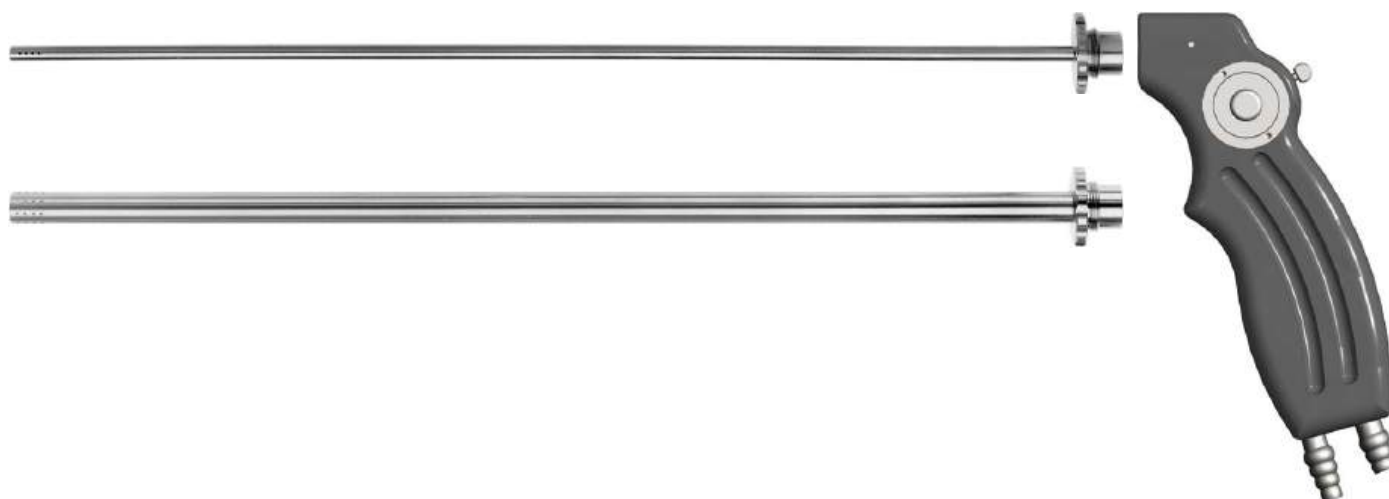
1 Handle
2 Functions

Suction-
Irrigation

Suction-Irrigation-Pistol-Handle

with two-way sliding valve and tube connections

- **ergonomic handle design**
- **enlarged suction channel**
- **straight passages for suction-irrigation liquid**
- **comfortable operation due to short swivel movement of sliding valve**



Handle

R064-050000-001

Ø 3 / 5 / 10 mm

Suction-Irrigation-Tubes

working length	Shaft tube alone	complete with Tube Ø 3,0 m with distal 4x4 hole
330 mm	R070-030330-416	R079-030330-416
		complete with Tube Ø 5,0 mm with distal 4x4 hole
330 mm	R070-050330-416	R079-050330-416
		complete with Tube Ø 10 mm with distal 4x4 hole
330 mm	R070-100330-416	R079-100330-416

Ø 5 mm



R075-050340-000

Complete set

R075-050340-016

Suction-Irrigation Tube 5 mm Ø with 2 lateral trumpet valves with LL-adapters, 340 mm working length, distal 4x1 hole, proximal with LL-adapter for laser fiber guide insert

Ø 5 mm

Puncture- and Injection Needle 5 mm Ø distal with needle, proximal with LL-adapter



Needle Ø	330 mm working length	450 mm working length
0,7 mm	R075-050330-007	
0,9 mm	R075-050330-009	
1,2 mm	R075-050330-012	R075-050450-012
1,4 mm	R075-050330-014	R075-050450-014
1,5 mm	R075-050330-015	R075-050450-015
1,8 mm	R075-050330-018	R075-050450-018

Ø 6 mm

Puncture Tube for NaCl - Fluid, 6 mm Ø

Luer-Lock = Pressure



Tube = Suction

working length	
235 mm	R940-5130-235

Ø 2 mm

Insufflation cannula 2 mm Ø, with LL-adapter



Needle working length

100 mm	R075-020100-001
120 mm	R075-020120-001
150 mm	R075-020150-001
180 mm	R075-020180-001

Ø 2,7 mm

High-Flow insufflation cannula 2,7 mm Ø, with LL-adapter



Needle working length

100 mm	R075-027100-001
120 mm	R075-027120-001
150 mm	R075-027150-001

Ø 2 mm

Insufflation cannula acc. to Veress with stopcock and Luer-Lock-Connection **Stainless Steel**, 2 mm Ø



working length	
100 mm	R080-020100-001
120 mm	R080-020120-001
150 mm	R080-020150-001

Ø 2,7 mm

Insufflation cannula acc. to Veress **High-Flow**, stopcock and Luer-Lock-Connection **Stainless Steel**, 2,7 mm Ø



working length	
100 mm	R080-027100-001
120 mm	R080-027120-001
150 mm	R080-027150-001

Ø 5 mm

Cholangiography fixation clamp with ratchet 5 mm Ø, with working channel, 330 mm working length



R081-050330-001



Ø 5 mm

Palpation probe graduated 5 mm Ø



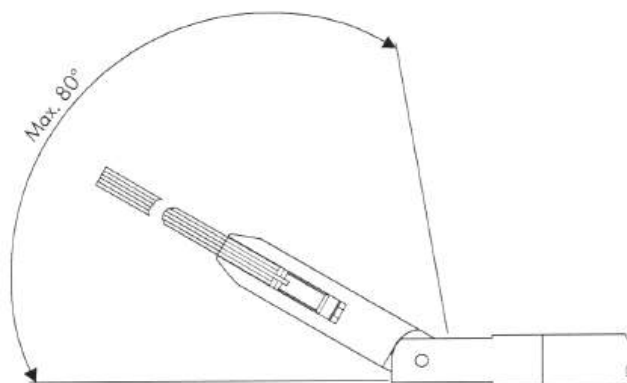
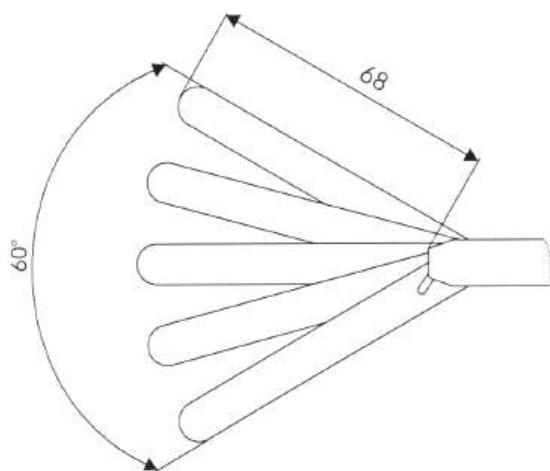
working length	
330 mm	R090-050330-001
450 mm	R090-050450-001

Ø 10 mm

Lever retractor 5-fingers spreadable, distal 80° movable, 10 mm Ø, 330 mm working length



R091-100330-005



Endo-Retractor for elastic abdominal bands, blunt fenestrated tip, adjustable, 360 mm working length, LL-adaptor for cleaning



Ø 5 mm



R094-050360-001

Ø 10 mm



R094-100360-001

Ø 5 mm

Endo-Retractor 5 mm Ø with 3 fingers spreadable, LL-adapter for cleaning



working length

340 mm	R091-050340-003
450 mm	R091-050450-003



working length

adjustable

340 mm	R092-050340-003
450 mm	R092-050450-003

Ø 10 mm

Endo-Retractor 10 mm Ø with 5 fingers spreadable, LL-adapter for cleaning



working length

380 mm	R091-100380-005
450 mm	R091-100450-005



working length

adjustable

380 mm	R092-100380-005
450 mm	R092-100450-005

Ø 5 mm

Endo-Retractor 5 mm Ø with 5 fingers spreadable, 340 mm working length rigid, 42 mm spreader, LL-adapter for cleaning



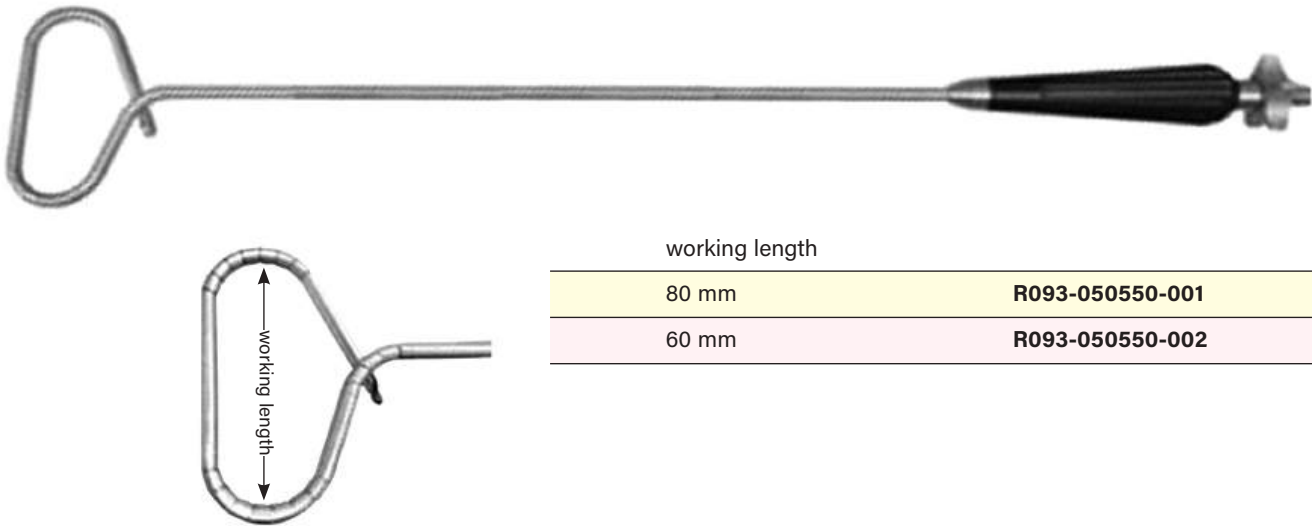
R091-050340-005

Endo-Retractor 5 mm Ø with 5 fingers spreadable a. adjustable, 340 mm working length, 55 mm spreader, LL-adapter for cleaning



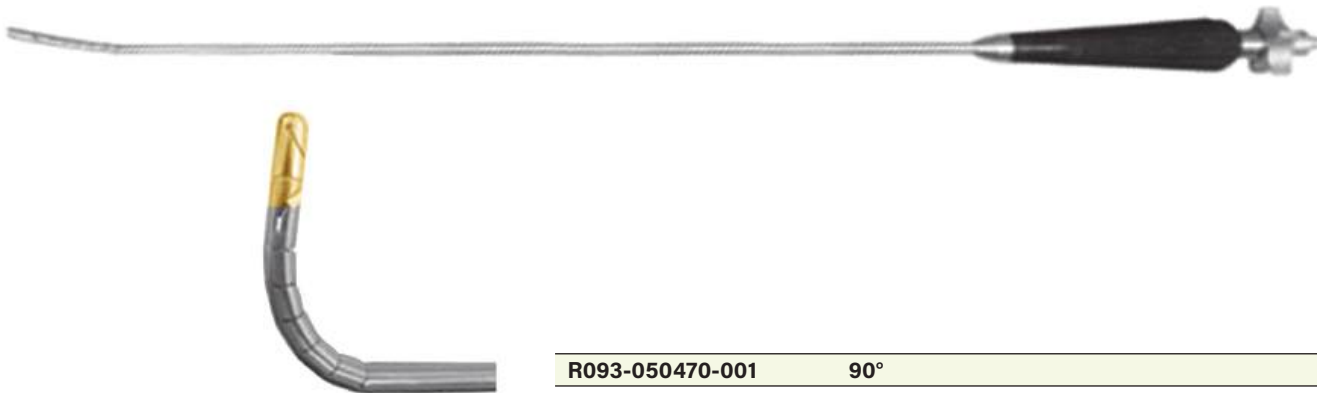
R092-050340-005

Ø 5 mm | 380 mm



working length	
80 mm	R093-050550-001
60 mm	R093-050550-002

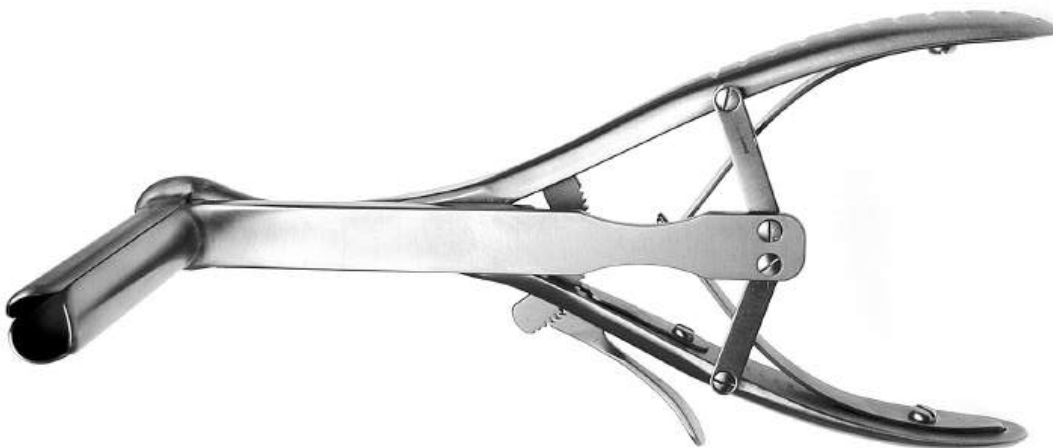
Ø 5 mm | 430 mm



R093-050470-001	90°
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Speculum retractor, 3 blades for gall bladder extraction

R099-000250-003



Ø 2,0

Laparoscopes with integrated fiberoptic
for illumination, autoclavable



diameter	working length	direction of view 0°
Ø 2,0 mm	187,5 mm	R010-020187-000

Ø 3,5 mm

Multi function valve trocar sleeve



diameter	working length	Art. No.
Ø 3,5 mm	70 mm	R023-035070-001

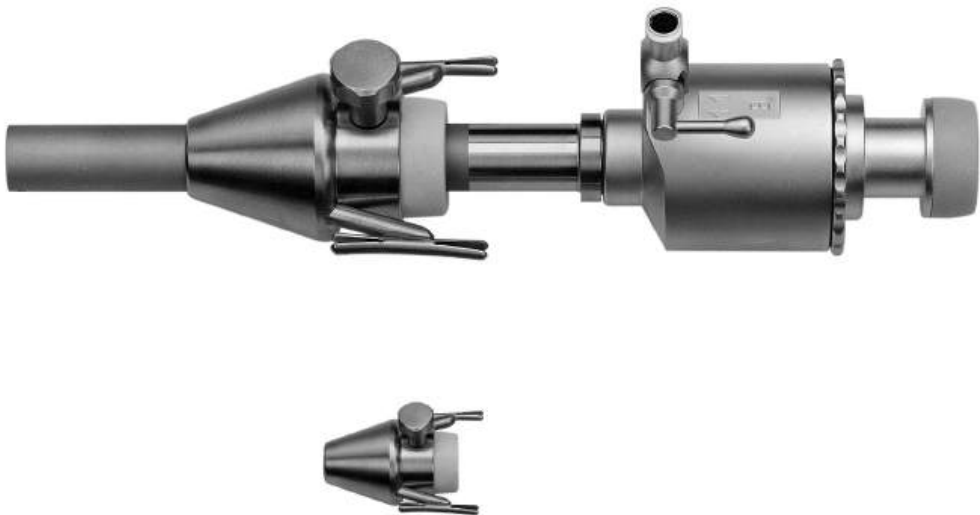
Standard trocar



diameter	for tube length	pyramidal	conical	conical blunt
Ø 3,5 mm	70 mm	R020-035070-001	R020-035070-002	R020-035070-003

Ø 3,5 mm

HASSON automatic trocar sleeve with stopcock,
adjustable cone and suture holder at cone



Ø	Cone alone
3,5 mm	R020-035500-001

Standard trocar
conical blunt

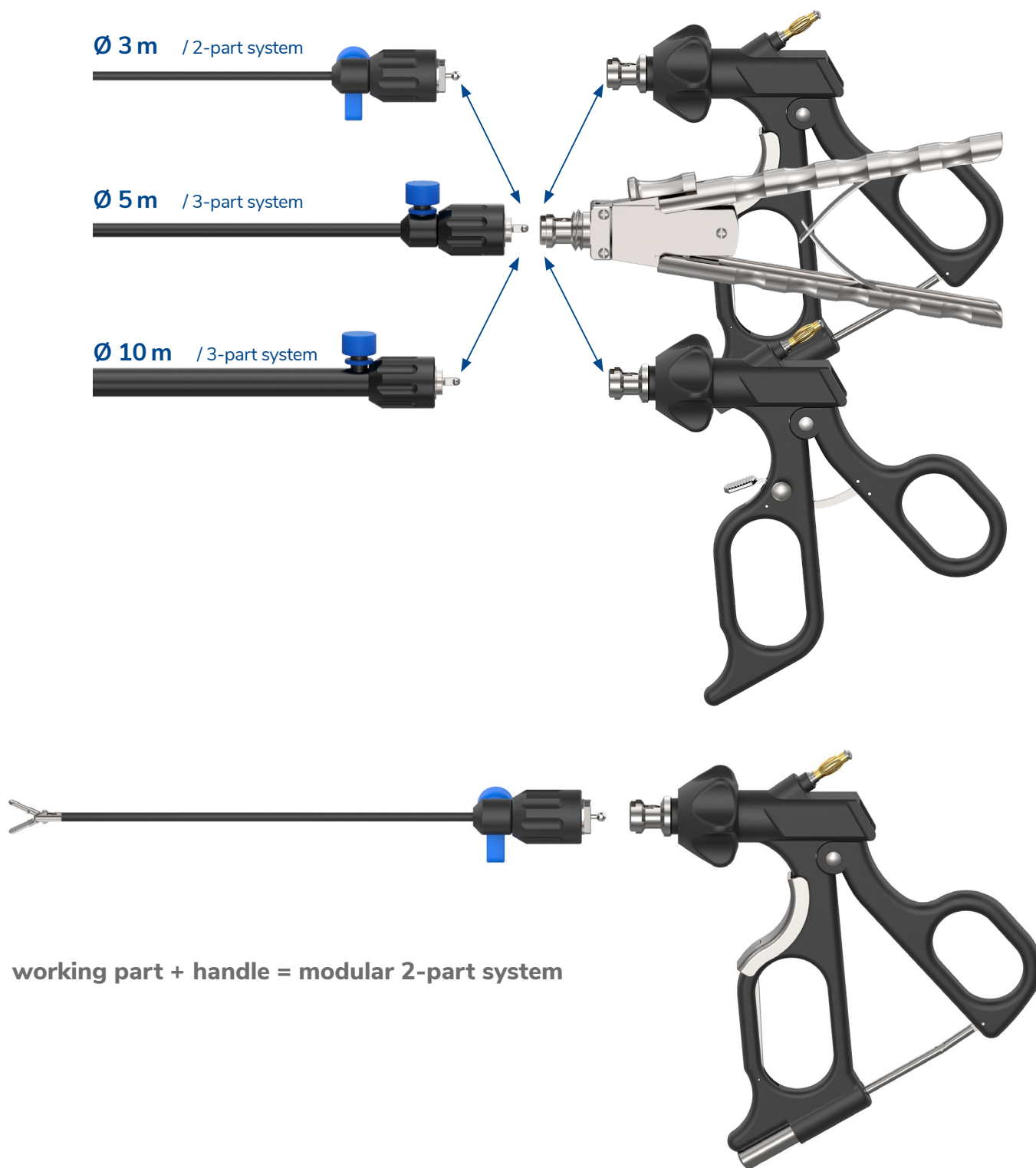


R020-035070-003	Ø 3,5 mm
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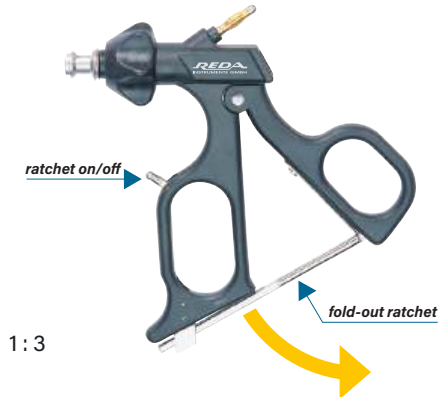


Ø 3 mm

Pediatric modular 2 piece system



Ø 3 / 5 / 10 mm



Ergonomic universal carbon handle with ratchet,
Lever for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033 - 000000 - 000



Ergonomic carbon handle with stepless ratchet,
ratchet by finger press resolve, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033P - 000000 - 000



Ergonomic carbon handle,
HF-connector Ø 4 mm male 45° lateral, rotating head 360°, autoclavable

R034 - 000000 - 000



Ergonomic universal carbon handle with ratchet,
Button for active or unactive ratchet, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R032M - 000000 - 000



Ø 3 / 5 / 10 mm



Ergonomic carbon handle with stepless ratchet,
ratchet activating / release lever, HF-connector Ø 4 mm male 45° lateral,
rotating head 360°, autoclavable

R033M - 000000 - 000



Protection cap for HF-connector Ø 4 mm

R030 - 000000

Ø 3 / 5 / 10 mm



1:3

Axial handle, v-shaped type with spreading spring and ratchet

R038 - 000000 - 000



1:3

Axial handle, with spreading spring

R048 - 000000 - 000



1:3

Axial handle with rings and ratchet

R037 - 000000 - 000



1:3

Axial ring handle

R047 - 000000 - 000



Axial handle, v-shaped angled, type with spreading spring and ratchet

R039 - 000000 - 000



Axial handle, angled, with spreading spring

R040 - 000000 - 000

Carbon Handles

more details at the beginning of the chapter



Ø 3 mm



Universal grasping forceps, straight, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-210	R103-030180-210	R103P-030180-210	R104-030180-210	R102M-030180-210
210 mm	R100-030210-210	R103-030210-210	R103P-030210-210	R104-030210-210	R102M-030210-210
330 mm	R100-030330-210	R103-030330-210	R103P-030330-210	R104-030330-210	R102M-030330-210



MARYLAND grasping forceps, curved, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-212	R103-030180-212	R103P-030180-212	R104-030180-212	R102M-030180-212
210 mm	R100-030210-212	R103-030210-212	R103P-030210-212	R104-030210-212	R102M-030210-212
330 mm	R100-030330-212	R103-030330-212	R103P-030330-212	R104-030330-212	R102M-030330-212



Dissections forceps, fenestrated, oval, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-214	R103-030180-214	R103P-030180-214	R104-030180-214	R102M-030180-214
210 mm	R100-030210-214	R103-030210-214	R103P-030210-214	R104-030210-214	R102M-030210-214
330 mm	R100-030330-214	R103-030330-214	R103P-030330-214	R104-030330-214	R102M-030330-214



Grasping forceps with reservoir, tip blunt, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-220	R103-030180-220	R103P-030180-220	R104-030180-220	R102M-030180-220
210 mm	R100-030210-220	R103-030210-220	R103P-030210-220	R104-030210-220	R102M-030210-220
330 mm	R100-030330-220	R103-030330-220	R103P-030330-220	R104-030330-220	R102M-030330-220

Carbon Handles

more details at the beginning of the chapter



R 033 - 000 000 - 000



R 033P - 000 000 - 000



R 034 - 000 000 - 000



R 032M - 000 000 - 000

Ø 3 mm

13,5 mm



Grasping forceps with reservoir, tip conical, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-222	R103-030180-222	R103P-030180-222	R104-030180-222	R102M-030180-222
210 mm	R100-030210-222	R103-030210-222	R103P-030210-222	R104-030210-222	R102M-030210-222
330 mm	R100-030330-222	R103-030330-222	R103P-030330-222	R104-030330-222	R102M-030330-222

17,5 mm



Delphin grasping forceps with reservoir, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-224	R103-030180-224	R103P-030180-224	R104-030180-224	R102M-030180-224
210 mm	R100-030210-224	R103-030210-224	R103P-030210-224	R104-030210-224	R102M-030210-224
330 mm	R100-030330-224	R103-030330-224	R103P-030330-224	R104-030330-224	R102M-030330-224

18 mm



Grasping forceps, crosswise teeth, jaw length 14 mm, conical, double action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-230	R103-030180-230	R103P-030180-230	R104-030180-230	R102M-030180-230
210 mm	R100-030210-230	R103-030210-230	R103P-030210-230	R104-030210-230	R102M-030210-230
330 mm	R100-030330-230	R103-030330-230	R103P-030330-230	R104-030330-230	R102M-030330-230



22 mm

Claw grasping forceps, 3 x 2 teeth, single action jaws

Working length	Working insert alone	Complete instrument			
180 mm	R100-030180-242	R103-030180-242	R103P-030180-242	R104-030180-242	R102M-030180-242
210 mm	R100-030210-242	R103-030210-242	R103P-030210-242	R104-030210-242	R102M-030210-242
330 mm	R100-030330-242	R103-030330-242	R103P-030330-242	R104-030330-242	R102M-030330-242

Carbon Handles

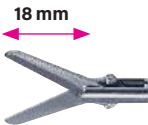
more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter

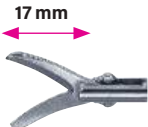


Ø 3 mm



METZENBAUM scissors, straight, double action jaws

Working length	Working insert alone	Complete instrument		
180 mm	R100-030180-110	R104-030180-110	R147-030180-110	R148-030180-110
210 mm	R100-030210-110	R104-030210-110	R147-030210-110	R148-030210-110
330 mm	R100-030330-110	R104-030330-110	R147-030330-110	R148-030330-110



METZENBAUM scissors, curved, double action jaws

Working length	Working insert alone	Complete instrument		
180 mm	R100-030180-112	R104-030180-112	R147-030180-112	R148-030180-112
210 mm	R100-030210-112	R104-030210-112	R147-030210-112	R148-030210-112
330 mm	R100-030330-112	R104-030330-112	R147-030330-112	R148-030330-112



Peritoneal scissors, serrated, straight, single action jaws

Working length	Working insert alone	Complete instrument		
180 mm	R100-030180-114	R104-030180-114	R147-030180-114	R148-030180-114
210 mm	R100-030210-114	R104-030210-114	R147-030210-114	R148-030210-114
330 mm	R100-030330-114	R104-030330-114	R147-030330-114	R148-030330-114

Carbon Handles

more details at the beginning of the chapter

Stainless steel Handles

more details at the beginning of the chapter



R034 - 000 000 - 000

Ø 3 mm



9 mm

Hook scissors, straight

Working length	Working insert alone	Complete instrument
180 mm	R100-030180-116	R104-030180-116
210 mm	R100-030210-116	R104-030210-116
330 mm	R100-030330-116	R104-030330-116



5,5 mm

Micro scissors, straight

Working length	Working insert alone	Complete instrument
180 mm	R100-030180-118	R104-030180-118
210 mm	R100-030210-118	R104-030210-118
330 mm	R100-030330-118	R104-030330-118

Carbon Handles

more details at the beginning of the chapter



R 034 - 000 000 - 000

Ø 3 mm



Biopsy cup, sharp, without thorn, double action jaws

Working length	Working insert alone	Complete instrument
180 mm	R100-030180-310	R104-030180-310
210 mm	R100-030210-310	R104-030210-310
330 mm	R100-030330-310	R104-030330-310



Biopsy cup, sharp, with thorn, double action jaws

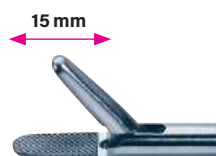
Working length	Working insert alone	Complete instrument
180 mm	R100-030180-312	R104-030180-312
210 mm	R100-030210-312	R104-030210-312
330 mm	R100-030330-312	R104-030330-312

Ø 3 mm



Needle holder

with axial-ratchet-handle and LUER lock irrigation adapter,
Ø 3 mm, working length 330 mm - four jaw types available.



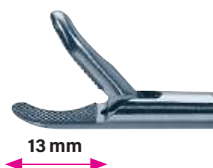
Needle holder, straight,
with inserted tungsten carbide, crosswise teeth, single action jaws

Handle	straight	angled
	R158-0533-350	R159-0533-350



Needle holder, curved left,
with inserted tungsten carbide, crosswise teeth, single action jaws

Handle	straight	angled
	R158-0533-352	R159-0533-352



Needle holder, curved right,
with inserted tungsten carbide, crosswise teeth, single action jaws

Handle	straight	angled
	R158-0533-354	R159-0533-354



Needle holder/-positioner, convex/concave shaped jaws, with fixation teeth,
straight, with wolfram-carbide-coated tips, single action jaws

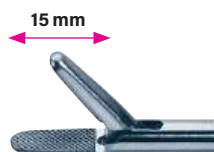
Handle	straight	angled
	R158-0533-360	R159-0533-360

Carbon Handles

more details at the beginning of the chapter



Ø 3 mm



Needleholder with inserted tungsten carbide, straight, single action jaws

Working length	Working insert alone	Complete instrument		
210 mm	R150-030210-350	R153-030210-350	R153P-030210-350	R151-030210-350
330 mm	R150-030330-350	R153-030330-350	R153P-030330-350	R151-030330-350



Needleholder with inserted tungsten carbide, curved left, single action jaws

Working length	Working insert alone	Complete instrument		
210 mm	R150-030210-352	R153-030210-352	R153P-030210-352	R151-030210-352
330 mm	R150-030330-352	R153-030330-352	R153P-030330-352	R151-030330-352



Needleholder with inserted tungsten carbide, curved right, single action jaws

Working length	Working insert alone	Complete instrument		
210 mm	R150-030210-354	R153-030210-354	R153P-030210-354	R151-030210-354
330 mm	R150-030330-354	R153-030330-354	R153P-030330-354	R151-030330-354



Needleholder/-positioner insert, convex/concave with teeth, TC

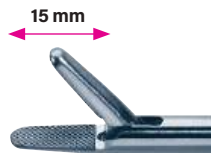
Working length	Working insert alone	Complete instrument		
210 mm	R150-030210-360	R153-030210-360	R153P-030210-360	R151-030210-360
330 mm	R150-030330-360	R153-030330-360	R153P-030330-360	R151-030330-360

Stainless steel Handles

more details at the beginning of the chapter



Ø 3 mm



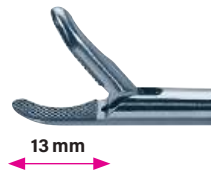
Needleholder with inserted tungsten carbide, straight, single action jaws

Complete instrument			Working length mm
R157-030210-350	R158-030210-350	R159-030210-350	210
R157-030330-350	R158-030330-350	R159-030330-350	330



Needleholder with inserted tungsten carbide, curved left, single action jaws

Complete instrument			Working length mm
R157-030210-352	R158-030210-352	R159-030210-352	210
R157-030330-352	R158-030330-352	R159-030330-352	330



Needleholder with inserted tungsten carbide, curved right, single action jaws

Complete instrument			Working length mm
R157-030210-354	R158-030210-354	R159-030210-354	210
R157-030330-354	R158-030330-354	R159-030330-354	330



Needleholder/-positioner insert, convex/concave with teeth, TC

Complete instrument			Working length mm
R157-030210-360	R158-030210-360	R159-030210-360	210
R157-030330-360	R158-030330-360	R159-030330-360	330

Ø 2,8 mm

Monopolar electrode with small handle,
Ø 2,8 mm



	Type	working length	
		330 mm	250 mm
	Button type electrode	R060-028330-001	R060-028250-001
	J-hook electrode	R060-028330-002	R060-028250-002
	L-hook electrode	R060-028330-003	R060-028250-003
	Spatula electrode	R060-028330-004	R060-028250-004
	Needle electrode	R060-028330-005	R060-028250-005

Suction-Irrigation-Cannula

with sliding valves
and tube with 8 drillings



working length complete with handle

330 mm **R072-028330-008**

250 mm **R072-028250-008**

Handle with sliding valve

R072-000000-000

working length roundhole Sucker with 8 drillings

330 mm **R070-028330-008**

250 mm **R070-028250-008**

Ø 1,2 mm

Puncture- and Injection Needle

distal with needle,
proximal with LL-adapter



working length Nadel / Needle

330 mm **R075-028330-012**

250 mm **R075-028250-012**

Ø 3,5 mm

Suction-Irrigation-Handle

with color-coding

- 20% less weight
- less individual parts
- color-coding
blue - irrigation
green - suction
- two in one
sidewise Tube-Luer-Lock-Connection



Suction-Irrigation-Handle 10 mm

with large Tube-Connection and sidewise Tube-Luer-Lock-Connection

R078-000000-100

working length Tube for 10 mm Suction-Irrigation-Handle, Ø 3,5 mm

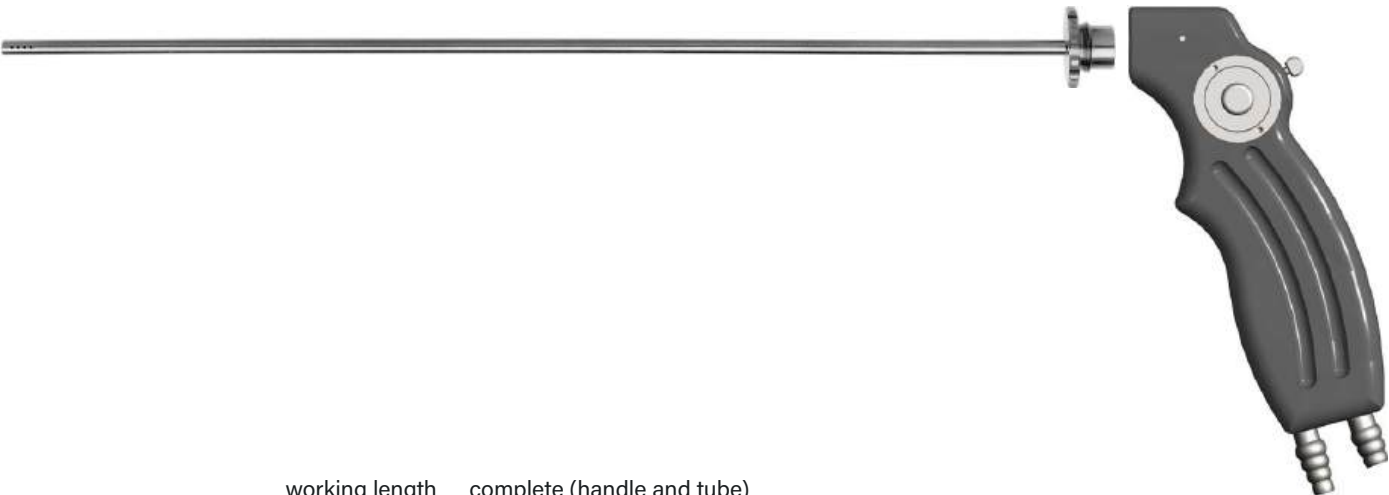
240 mm R070-035240-116

Ø 3 mm

Suction-Irrigation-Handle

with two-way sliding valve and tube connections

- ergonomic handle design
- enlarged suction channel
- straight passages for suction-irrigation liquid
- comfortable operation due to short swivel movement of the valve



working length complete (handle and tube)

330 mm R079-030330-416

Handle with sliding valve

R064-050000-001

Tube only Ø 3,0 mm

R070-030330-416

Valve Handle for Shaft M8 x 1

Suction-Irrigation-Handle with Trumpet Valve

for exchangeable shafts with threads M8 x 1
combined Luer-Lock / Tube connector

R076-000000-200



Suction-Irrigation-Pistol-Handle with Sliding Valve

for exchangeable shafts with threads M8 x 1
two combined Luer-Lock / Tube connector

R079-000000-200



Ø 3,0 mm

Exchangeable Suction-Irrigation-Tube with threads M8 x 1



working length 4 side drill holes

340 mm R070-030340-204

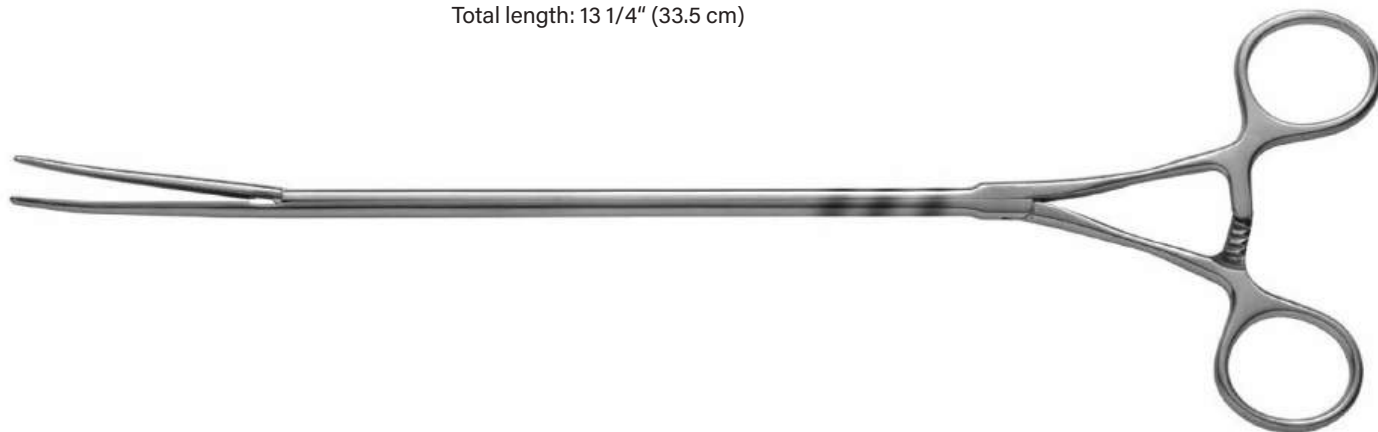
working length 16 side drill holes

340 mm R070-030340-216

DENNIS dissector

Working length: 9" (23 cm)

Total length: 13 1/4" (33.5 cm)



Serrated jaws

7 mm shaft



R119-93527-04

Working length: 9 1/2" (24 cm)
Total length: 13 1/4" (33.5 cm)



sliding shaft
10 mm, straight

R119-93527-17



sliding shaft
slim 7 mm, curved

R119-93527-16

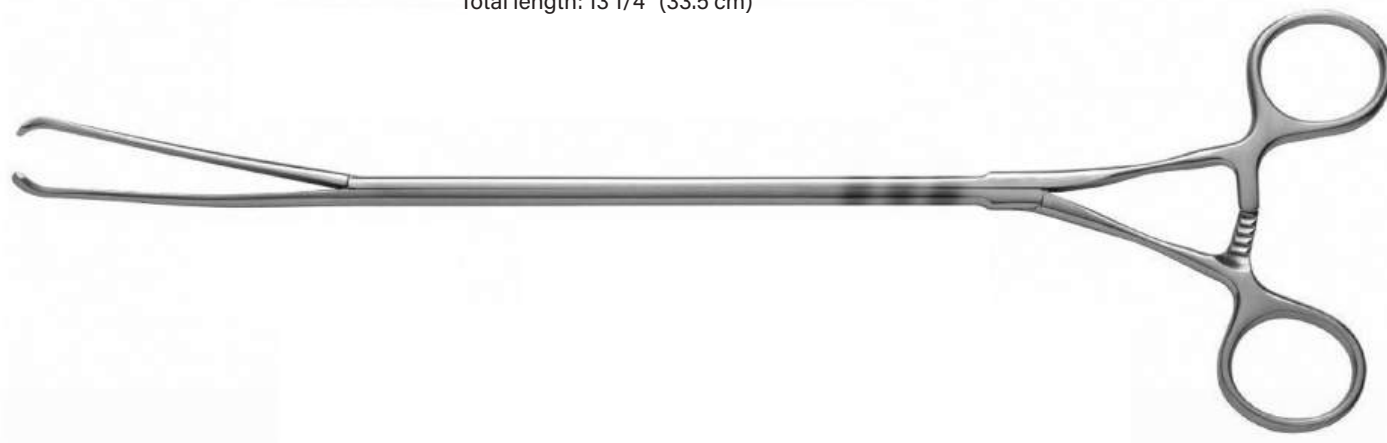
sliding shaft
regular 10 mm, curved

R119-93527-01

ALLIS forceps

Working length: 9" (23 cm)

Total length: 13 1/4" (33.5 cm)



6 mm width jaws

7 mm shaft



R119-93527-13

STERN chest tube passer

Working length: 6 7/8" (17.5 cm)

Total length: 9 3/4" (24.8 cm)



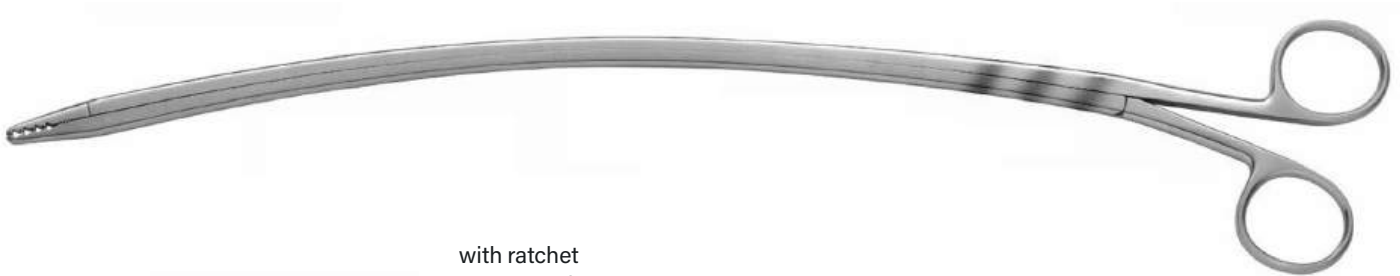
without ratchet
10 mm shaft

R119-93527-21

STERN chest tube passer

Working length: 11" (28 cm)

Total length: 14" (35.6 cm)



with ratchet
10 mm shaft

R119-93527-18

without ratchet
10 mm shaft

R119-93527-19

DEBAKEY COOLEY forceps
Working length: 9 1/2" (24 cm)
Total length: 13 1/2" (34 cm)



without ratchet
DeBakey Cooley jaws
10 mm shaft

R119-93527-06

with ratchet
DeBakey Cooley jaws
10 mm shaft

R119-93527-10

HARKEN clamps

Working length: 9 7/8" (24.8 cm)

Total length: 14" (35.5 cm)



without ratchet

HARKEN #1

DEBAKEY jaws

10 mm shaft



R119-93527-14

without ratchet

HARKEN #2

DEBAKEY jaws

10 mm shaft



R119-93527-15

DEBAKEY clamps

Working length: 10" (25.4 cm)

Total length: 14 1/4" (36 cm)



6.5 cm jaw length
1 x 2 DEBAKEY jaws
10 mm shaft



R119-93527-05

10 cm jaw length
1 x 2 DEBAKEY jaws
10 mm shaft



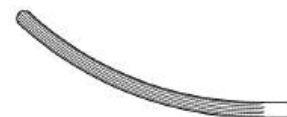
R119-93527-12



10 cm jaw length
2 x 3 DEBAKEY jaws
10 mm shaft



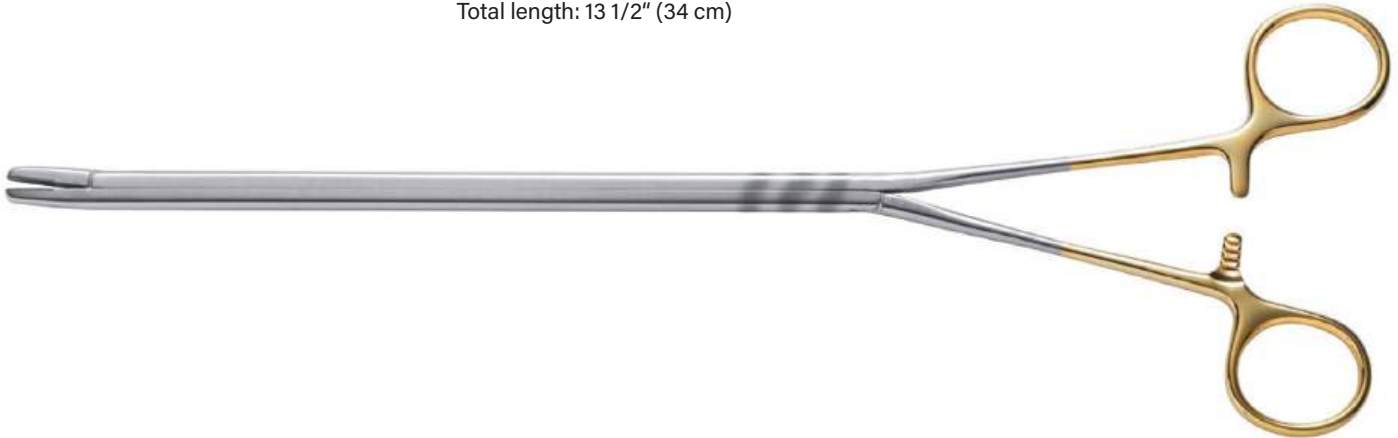
R119-93527-11



Needle Holders for 2-0 Suture

Working length: 8 1/4" (21 cm)

Total length: 13 1/2" (34 cm)



2-0 and smaller suture
Straight, Carbon-inlay jaws
10 mm shaft

R119-93527-07



2-0 and smaller suture
Curved, Carbon-inlay jaws
10 mm shaft

R119-93527-08

DUVAL clamps

Working length: 9 1/4" (23.5 cm)

Total length: 13 1/2" (34 cm)

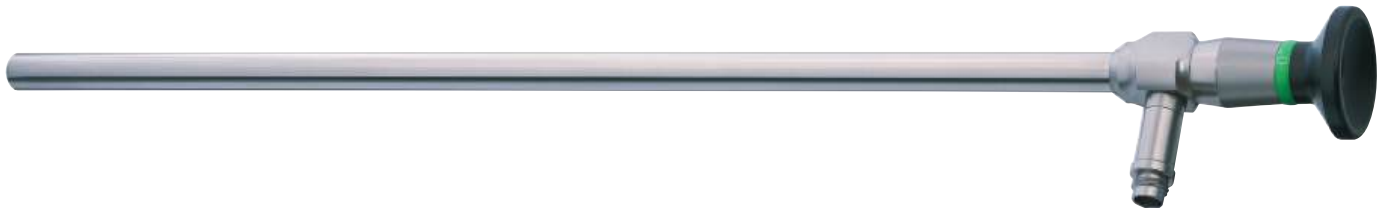


DUVAL clamp
2.5 cm width jaws
10 mm shaft

R119-93527-20



Hysteroscopes
with integrated fiberoptic for illumination, autoclavable

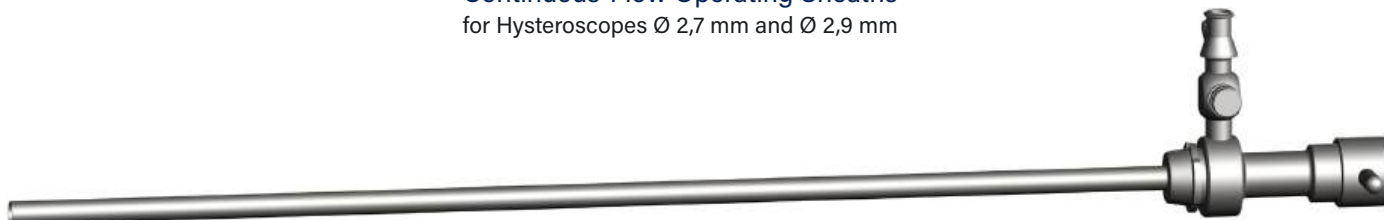


Compatibility

Light port adapter	ACMI-, Wolf-, Storz / Olympus
Eyepiece	Ocular according DIN 58105 threaded
Objective	Tension-free objective composed-objective
Image transmission	CAD-designed rodience system for optimal sharpness, colorsync and resolution
Light-guiding system	High quality light fibers
Optical glass	Distal and proximal Sapphire
Biocompatibility	All materials that come in contact with the body are biocompatible. All outside metal parts are made of high quality stainless steel.

Ø	working length	direction of view	
		0°	30°
4,0 mm	302 mm	R300-040302-000	R300-040302-030

Continuous-Flow Operating Sheaths
for Hysteroscopes Ø 2,7 mm and Ø 2,9 mm



Diagnostic-Continuous-Flow-Inner Sheath, 1 stopcock, rigid

working length		Outer Ø
0° - 300 mm		
260 mm	R 213-037260-000	4,0
30° - 300 mm		
260 mm	R 213-037260-030	4,0



Diagnostic-Continuous-Flow-Outer Sheath, 1 stopcock, rigid

working length		Outer Ø
0°, 30° - 300 mm, suitable for R213-037260-000, R213-037260-030		
240 mm	R 213-050260-000	5,0



Obturator

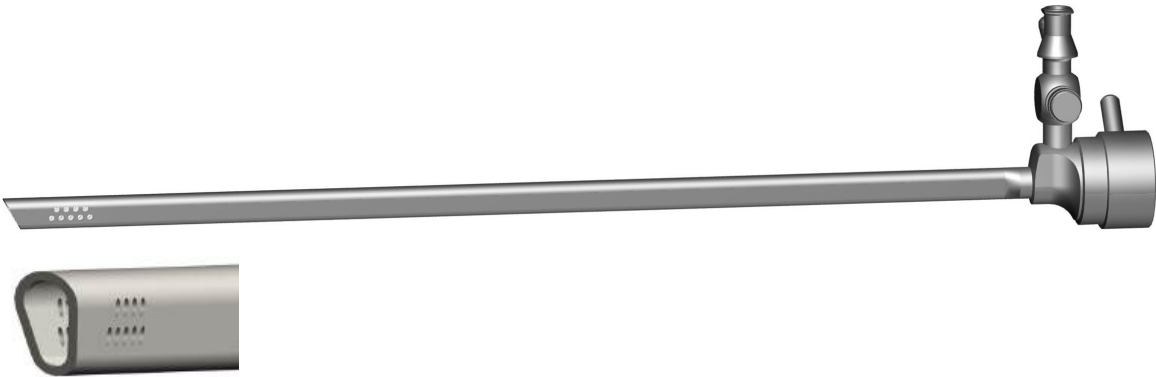
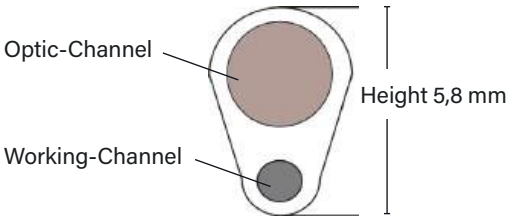
suitable for R213-050260-000

R 213-050300-000

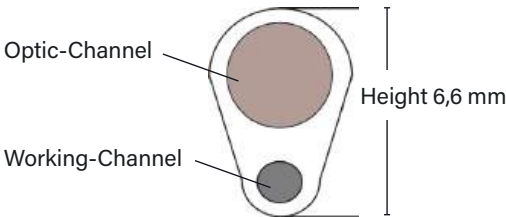
Continuous-Flow Operating Sheaths
for Hysteroscopes Ø 2,7 mm and Ø 2,9 mm



working length	working channel	1 Instrument Port
228 mm	5 CH.	30° - 300 mm R212-038300-000



working length	Diagnostic-Continuous-Flow-Outer Sheath, 1 stopcock, rigid
215 mm	30° - 300 mm, suitable for R212-038300-000 R212-040300-000

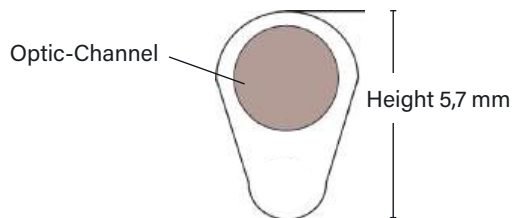


Hysteroscopy - Operating Sheaths
for Hysteroscopes Ø 2,7 mm and Ø 2,9 mm



1 Instrument Port, 2 stopcock, rigid

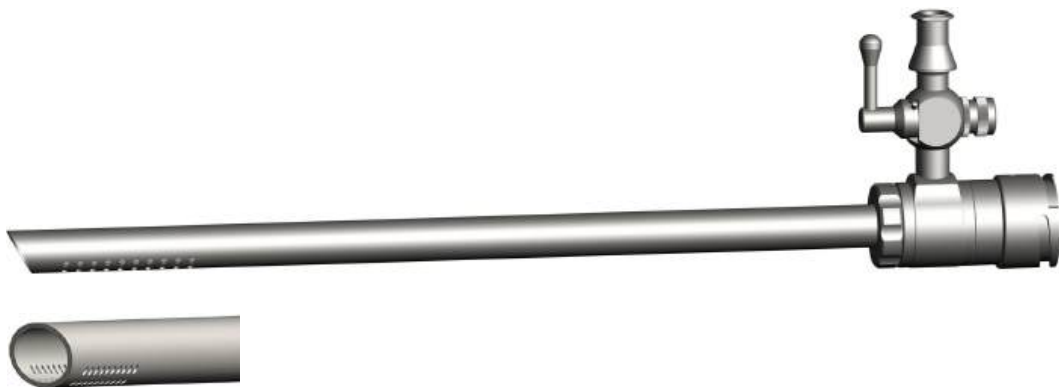
working length	working channel	30° - 300 mm
222 mm	5 CH.	R 212-035248-101



Continuous-Flow Operating Sheaths
for Hysteroscopes Ø 4,0 mm



working length	working channel	1 Instrument Port 30° - 300 mm	Outer Ø
175 mm	7 CH.	R214-070000-030	5,4



working length	Diagnostic-Continuous-Flow-Outer Sheath, 1 stopcock, rigid 30° - 300 mm, suitable for R214-070000-030	Outer Ø
155 mm	R214-070200-030	7,6



Obturator suitable for R214-070200-030
R214-070000-000

WL 34 cm 360° + Rotatable

Hysteroscopy Forceps,
semi-rigid

Also available with Luer-Lock



Ø 5 [Char]



Grasping Forceps, cup serrated

R292-017340-003



Cutting Biopsy Punch

R292-017340-002



PE-Forceps, cup, sharp

R292-017340-001



Alligator Forceps

R292-017340-011



Scissors, pointed tips

R292-017340-022



Grasping Forceps, cup serrated

R292-017340-004



Scissors, blunt tips

R292-017340-021

Ring Applicator

with advanced handling: more safety for the user due to 3-Positions-System.

Position 0 = **Safety**

Position 1 = 1st ring

Position 2 = 2nd ring

Simplified assembly and disassembly due to **Click**-mechanism on the sliding bar.

Ø 6,0 mm

First Incision

For use with Operating-Laparoscope



working length

Complete with Loading Device and Conus
suitable for OP-Laparoscope: STANDARD

327 mm

R120-060330-001



Loading Device

R120-060000-002



Conus Piece

R120-060000-001

Ø 6,5 mm

Second Incision

For use with a regular Trocar Sleeve



working length

Complete with Loading Device

300 mm

R120-065340-001



Loading Device

R120-060000-002



Conus Piece

R120-060000-001

Ø 5 / 10 mm

Myoma Drill



working length Ø 5,0 mm

330 mm R121-050320-01

Ø 10,0 mm

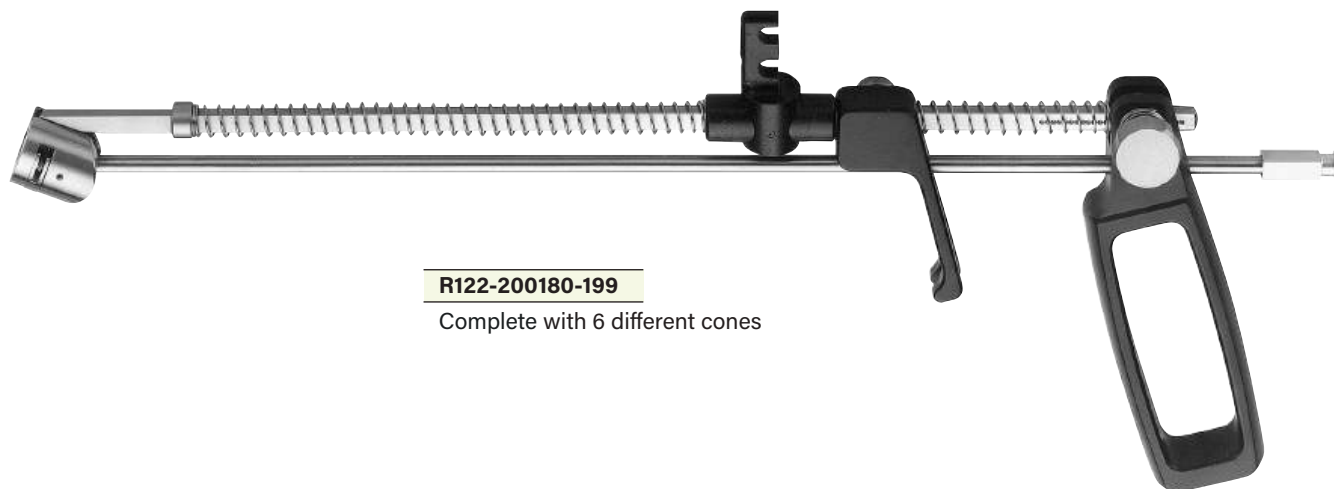
330 mm R121-100330-01

COHEN Intra Uterine Cannula
with spring-loaded fixation, one large and one small cone



working length	Complete
170 mm	R122-250170-000
	Cone alone, Ø 19 mm, small
	R122-190056-000
	Cone alone, Ø 25 mm, large
	R122-250056-000
	Uterine Cannula allone
	R122-250170-001

Uterus Manipulator



R122-200180-199

Complete with 6 different cones

working length

Ø



Uterus obturator, thin, short

45 mm

3 mm

R122-030045-000



Uterus obturator, thin, long

55 mm

3 mm

R122-030055-000



Uterus obturator, medium, long

80 mm

8 mm

R122-080080-000



Uterus obturator, thick, extra long

100 mm

10 mm

R122-100100-000



Cone, with short thorn

60 mm

25 mm

R122-250060-000



Cone, with long thorn

70 mm

25 mm

R122-250070-000

Manipulator

alone, without cones

R122-200180-000

Ø 7,0 mm

LOWSLEY retractor
for manipulation of the bladder
for perineal prostatectomy



working length

210 mm R139-070210-001 straight



working length

300 mm R139-070300-011 curved





	Ø	length cm	fused for Xenon Light
	3,5	180	R901-035180-00
	3,5	230	R901-035230-00
	3,5	300	R901-035300-00
	4,8	180	R901-048180-00
	4,8	230	R901-048230-00
	4,8	250	R901-048250-00
	4,8	300	R901-048300-00

Connector to light source



IN



R900-000000-01
Storz / Aesculap



R900-000000-03
Wolf / Henke Sass /
Dyonics / Medicon /
Comeg



R900-000000-05
ACM / British / Codman



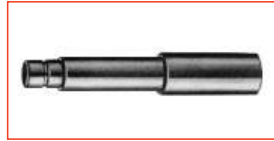
R900-000000-07
Olympus



R900-000000-09
Pentax



R900-000000-11
Fuji



R900-000000-13
Heine-Optotechnik



R900-000000-15
Winter+IBE



R900-000000-16
Stryker



R900-000000-21
MLW



R900-000000-31
Volpi / Schölly / RFO

Endoscope-side



OUT



R900-000000-02
Storz / Winter+IBE /
Aesculap



R900-000000-04
Wolf



R900-000000-06
ACM / British / Codman



R900-000000-08
Olympus

SET/9500004: Standard Laparoscopic Instruments Set

1x	R010-100309-000	Laparoscope 10 mm Ø, 0°, autoclavable integrated fiber optic for illumination 316 mm working length
2x	R025-110101-001	Multi function trocarsleeve 11 mm Ø, Insufflation stop cock, interchangeable metal tube smooth 101 mm working length
2x	R020-110101-024	Safetytrocar 11 mm Ø oblique end f. trocar sleeve w. 101 mm working length
3x	R020-055095-024	Safetytrocar 5,5 mm Ø oblique end f. trocar sleeve w. 95 mm working length
3x	R025-055095-001	Multi function trocarsleeve 5,5 mm Ø, Insufflation stop cock, interchangeable metal tube smooth 95 mm working length
1x	R026-110055-002	Reducing adapter w. silicon drape 11 > 5,5 mm
1x	R027-050110-000	Dilation set 5 < 11 mm guide probe and dilation sleeve
1x	R033-050330-236	Reddick-Olsen Grasping forceps 5 mm Ø, 330 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R034-050330-250	Davis & Geak forceps w. reservoir, 5 mm Ø, 330 mm working length, ergo handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050330-212	MARYLAND dissector curved 5 mm Ø, atraum. 330 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R044-050330-116	Hook scissors straight, 5 mm Ø, 330 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R044-050330-112	Metzenbaum scissors left curved, 5 mm Ø, 330 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R044-050330-120	Micro scissors curved, 5 mm Ø, 330 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R064-050000-006	Suction-irrigation handle ergonomic 2-way stop-cock, HF-connector 4 mm male LL-connector for adaptable electrodes
1x	R064-050330-003	L-hook-electrode-shaft assembly, monopolar 5 mm Ø, 330 mm working length, adaptable on valvehandles of serie R064-
1x	R060-050330-001	Button electrode monopolar 5 mm Ø, 340 mm working length handle small HF-connector male
1x	R060-080040-003	Monopolar HF-connecting cable, 3 mtr. lg. 8 mm PIN for US HF-units 4 mm socket instrument side
1x	R066-050340-601	Bipolar grasper Hirsch 5 mm Ø, 340 mm working length, jaws fenestrated wave wire, ring plastic handle, modular instrument system rotatable, dismantable
1x	R067-050340-003	Hook electrode L-shaped, 5 mm Ø, bipolar, 340 mm working length small handle, HF-connector european
1x	R065-040000-003	Bipolar connecting cable 3 m lg. 2 banana plugs f. US generators, euro flat plug round f. bipolar instruments with protection
1x	R081-050330-001	Cholangiography fixation clamp 5 mm Ø, channel for 6 Fr. catheters, 330 mm working length, handle with ratchet
1x	R058-050330-361	Needleholder/-positioner str.serrated, 5 mm Ø, 330 mm lg., axial ratchet handle o. HF dismantable, rotatable, mod. lap. inst.
1x	R058-050330-352	Needle holder left curved, w. TC, 5 mm Ø, 330 mm lg., axial ratchet handle o. HF dismantable, rotatable, mod. lap. inst.
1x	R050-050330-01	Knot tier with eye 5 mm Ø, 330 mm working length
1x	R056-100330-03	Clip Applier for Ethicon Titan Clips LT300 medium/large, "Paraclose-system", 10 mm Ø, 330 mm working length 360° rotatable, dismantable (3-parts)
1x	R078-000000-199	Irrigation-suction set 5 / 10 mm Ø, 330 mm long handle w. 2 large trumpet valves tubes 5 + 10 mm Ø, 4 x 4 holes
1x	R090-050330-001	Palpation Probe graduated 5 mm Ø, 330 mm working length
1x	R092-100380-005	Endo -Retractor 10 mm Ø with 5 fingers spreadable and angleable, 340 mm working length, LL-adapter for cleaning
1x	R099-000250-003	Speculum retractor, 3 blades 60 mm working length, f. gall bladder extraction suitable for 11 mm trocar sleeve
1x	R050-028170-001	Suture instrument for subcutaneous facial closure, 2,8 mm Ø, 17 cm

SET/9502000: Set for gynaecology

1x	R075-020120-001	Insufflations-needle acc. to Veress 2,00 x 120 mm
1x	R010-100309-030	Laparoscope 10 mm Ø, 30°, autoclavable intergrated fiber optic for illumination 316 mm working length
2x	R025-110101-001	Multi function trocarsleeve 11 mm Ø, Insufflation stop cock, interchangeable metal tube smooth 101 mm working length
2x	R020-110101-001	Trocar pyramidal tip 11 mm Ø, f. trocar sleeve w. 101 mm working length
2x	R025-055095-001	Multi function trocarsleeve 5,5 mm Ø, Insufflation stop cock, interchangeable metal tube smooth 95 mm working length
2x	R020-055095-011	Safetytrocar pyramidal tip, 5,5 mm Ø, autom. cutting protection w. obturator, f. trocar sleeve w. 95 mm working length
1x	R075-050330-014	Puncture- and injection needle 5 mm Ø, 330 mm working length, LL-adapter proximal distal needle 1,4 mm (17G) Ø 330 mm
2x	R026-110055-001	Reducing adapter 11 > 5,5 mm
1x	R033-050360-240	Mahnes-Grasping forceps, w. mouse teeth 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050360-242	Claw grasper 3 x 2 teeth, 5 mm Ø, 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050360-243	Claw grasper long 3 x 2 teeth, 5 mm Ø, 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050360-216	Dissecting frcps fenestrated, slim 5 mm Ø, 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050360-212	MARYLAND disector curved 5 mm Ø, atraum. 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R033-050360-225	DOLPHIN grasper, bottle nose, 5 mm Ø, 360 mm lg., ergo uni ratchet handle w. HF rotatable, dismantable, mod. lap. inst.
1x	R044-050360-114	Peritoneal scsr serrated straight, 5 mm Ø, 360 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R044-050360-112	Metzenbaum scissors left curved, 5 mm Ø, 360 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R044-050360-410	Biopsy punch without thorn, 5 mm Ø, 360 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R044-100360-710	MAYO Large OP- Scissors, 10 mm Ø, 360 mm lg., ergo handle w. HF dismantable, rotatable, mod. lap. Inst.
1x	R067-000000-700	Ringhandle for bipolar laparoscopic instruments, handle alone w/o accessories POWERGRIP
1x	R067-050340-700	Shaft tube 5 mm Ø, 340 mm working length f. Powergrip bipolar forceps
1x	R067-000340-713	Bipolare forceps fenestrated 5 mm Ø, 340 mm working length insert alone POWERGRIP
1x	R065-040125-005	Bipolar connecting cable 5 mtr. long for Erbe / Storz HF-generators european plug for instruments
1x	R061-050340-003	Hook electrode L-shaped, 5 mm Ø, monopolar, 340 mm working length HF-connector male
1x	R061-050340-004	Spatula electrode monopolar 5 mm Ø, 340 mm working length HF-connector male
1x	R079-050340-204	Suction-irrigation set 5 mm Ø, 340 mm lg. pistol handle w. 2-way valve, olives shaft w. 4 holes
1x	R079-100340-204	Suction-irrigation set 10 mm Ø, 340 mm lg. pistol handle w. 2-way valve, olives shaft w. 4 holes
1x	R090-050330-001	Palpation Probe graduated 5 mm Ø, 330 mm working length
1x	R099-000250-003	Speculum retractor, 3 blades 60 mm working length, f. gall bladder extraction suitable for 11 mm trocar sleeve
1x	R058-050360-360	Needleholder/-positioner straight, 5 mm Ø, 330 mm lg., axial ratchet handle o. HF dismantable, rotatable, mod. lap. inst.
1x	R050-028170-001	Suture instrument for subcutaneous facial closure, 2,8 mm Ø, 17 cm
1x	R050-050330-01	Knot tier with eye 5 mm Ø, 330 mm working length
1x	R050-050340-00	Fascia Closure Device 2,3 mm Ø, 140 mm working length

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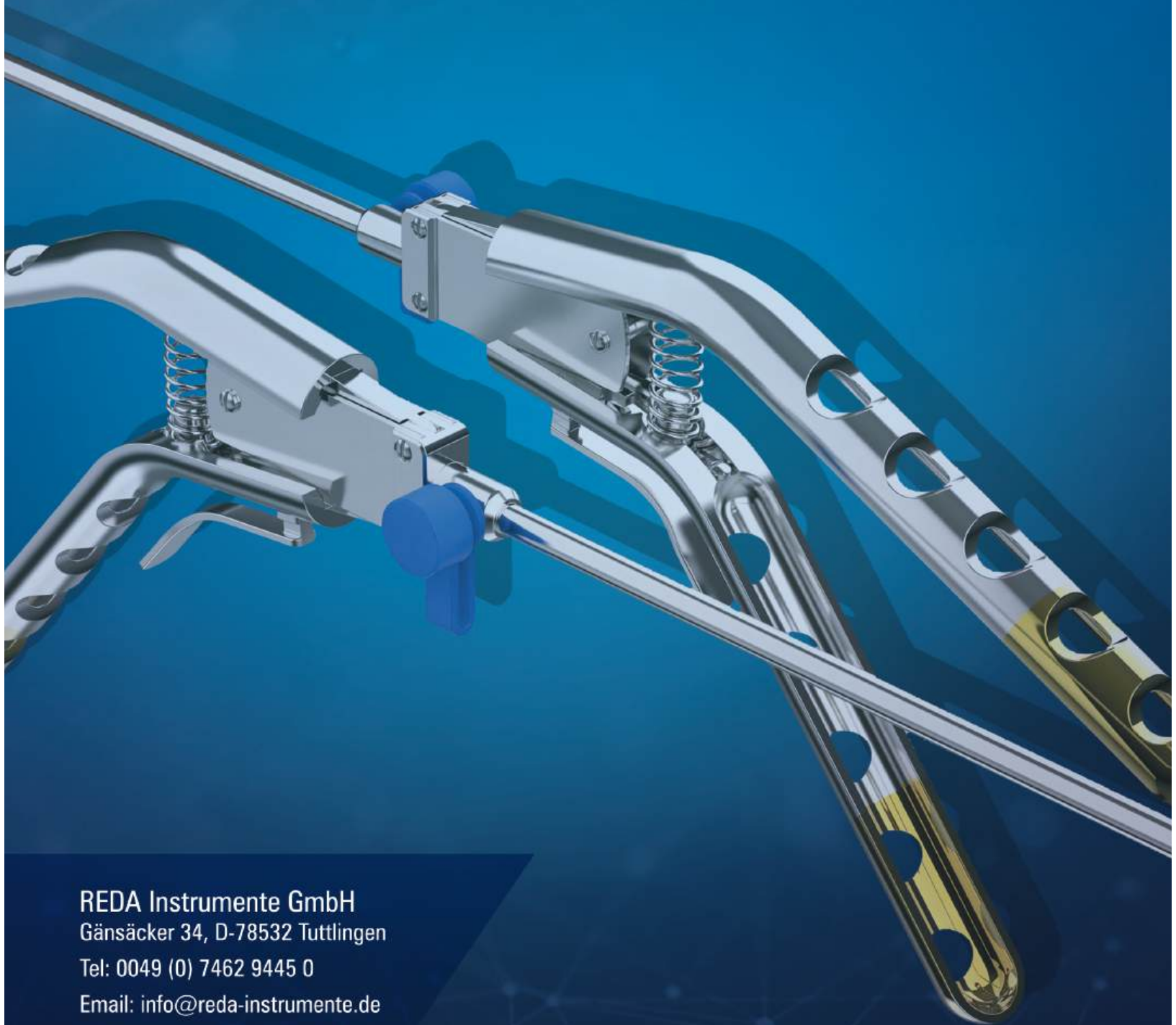
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