



RZ TELESCOPES - SEE THE DIFFERENCE

RZ Medizintechnik offers you the answer to all your questions to find your optimal image system. High definition Imaging with superior resolution and contrast for unsurpassed optical performance. All RZ Telescopes combine the latest rod lens technology with high-grade sapphire glass for excellent light transmission and highest detail recognition. Optimized fiber glass formation gives uniform image brightness of Full HD Standard.



- Colour coded rings identify the „direction of view“
- Eyepiece for C-mount connection
- 3-step light post adaptors to connect the most common light cables directly to the endoscope
- Sapphire glasses ensure highest stability against damages on the lens system
- Optimised glass fibre arrangements ensure an uniform image brightness of highest quality
- Full HD high definition pictures with increased detail-resolution through newest CAD-designed rod-lens systems
- Fully Autoclavable at 134°C and 2.3bar

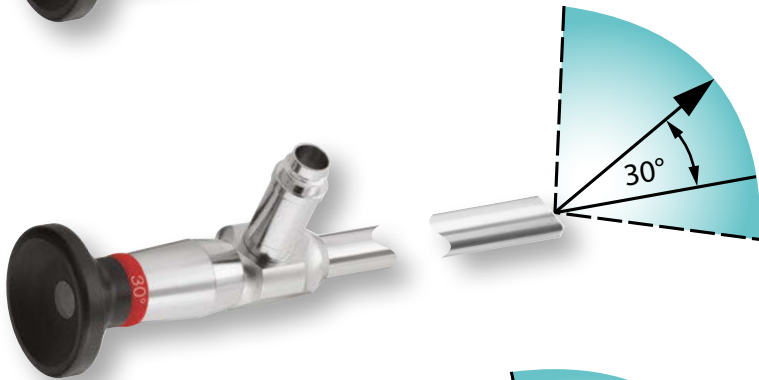


working length 320mm
overall length 420mm
for 10/11mm trocar systems

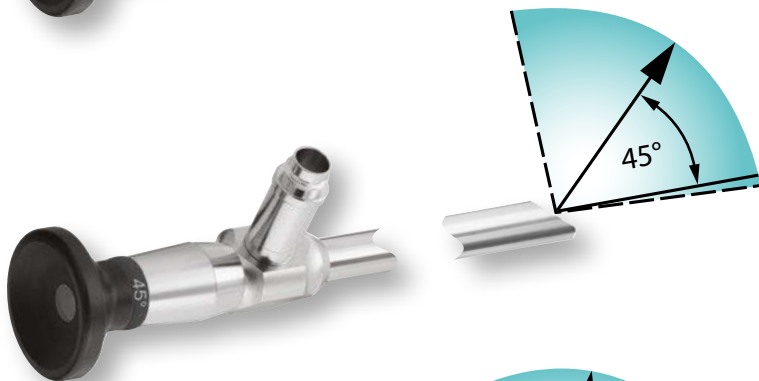
FULL HD



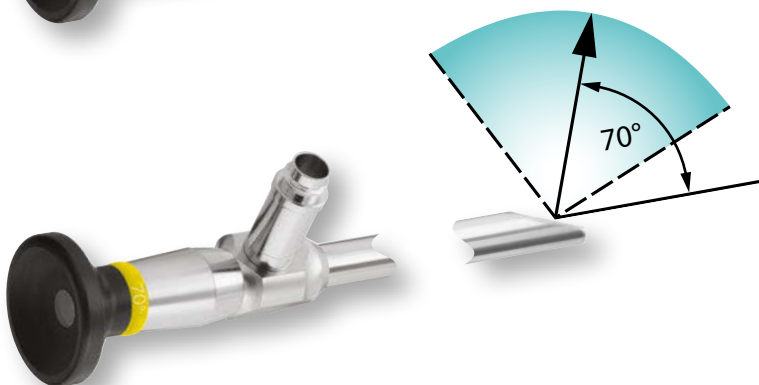
300-091-100
Laparoscope 0° direction of view, wide angle,
colour code: green



300-091-130
Laparoscope 30° direction of view, wide angle,
colour code: red



300-091-145
Laparoscope 45° direction of view, wide angle,
colour code: black



300-091-170
Laparoscope 70° direction of view, wide angle,
colour code: yellow

We recommend our Ø 4.8mm Fiber Optic Light Cables to be used with all our 10mm Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153



TELESCOPES

∅ 10mm
Laparoscopes



FULL HD



overall length 420mm
for 10/11mm trocar systems

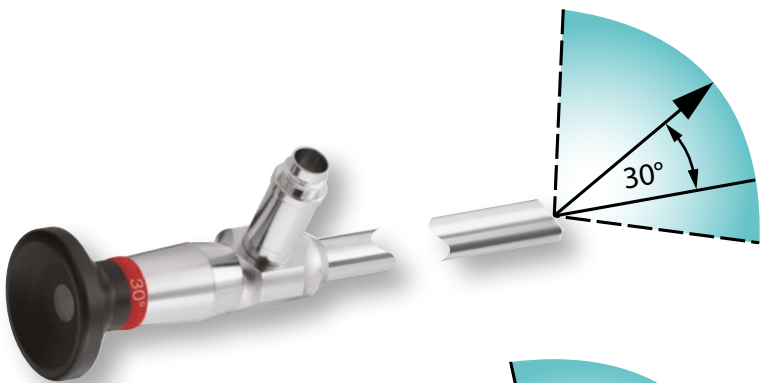
working length 430mm, overall length 500mm,
for 10/11mm trocar systems
with long working sleeves
Recommended for all bariatric surgeries



300-091-100
0° direction of view, wide angle, 330mm length

300-091-430
0° direction of view, wide angle, 430mm length

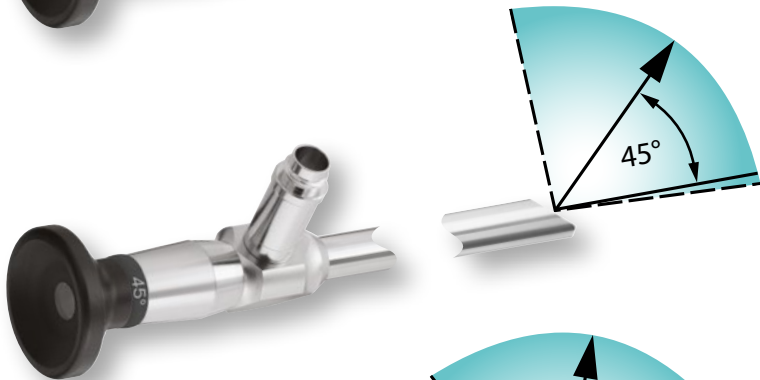
300-091-000
Thorax 0° direction of view, wide angle,
180mm length



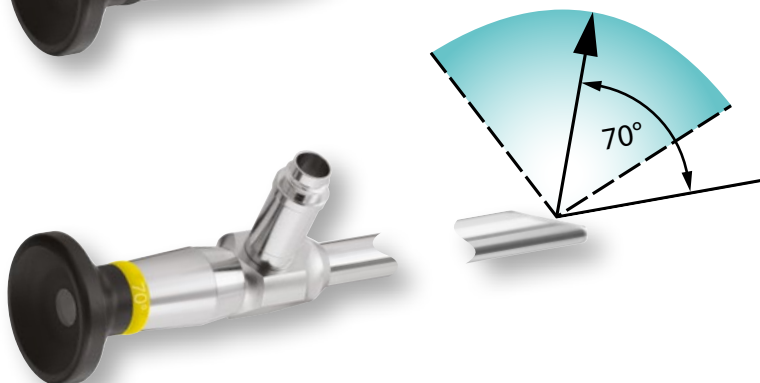
300-091-130
30° direction of view, wide angle, 330mm length

300-091-433
30° direction of view, wide angle, 430mm length

300-091-433
Thorax 30° direction of view, wide angle,
180mm length



300-091-145
45° direction of view, wide angle, 320mm length



300-091-170
70° direction of view, wide angle, 320mm length

We recommend our ∅ 4.8mm Fiber Optic Light Cables to be used with all our 10mm Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153



TELESCOPES

Ø 5.0mm
Laparoscopes



FULL HD

5.0 mm

working length 302mm,
overall length 355mm,
for 5/5.5mm trocar systems



300-092-100
Laparoscope 0° direction of view,
wide angle



300-092-130
Laparoscope 30° direction of view,
wide angle

We recommend our Ø 3.5mm Light Cables to be used with all RZ Ø 6.5mm and Ø 5mm Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153



TELESCOPES

Ø 5.0mm / Ø 4.0mm
Laparoscopes

FULL HD



working length 180mm,
overall length 235mm, for 5mm trocar systems

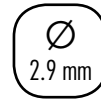


300-094-100
Laparoscope 0° direction of view, wide angle,
colour code: green



300-094-130
Laparoscope 30° direction of view, wide angle,
colour code: red

We recommend our Ø 3.5mm Light Cables to be used with all RZ Ø 5mm and Ø 4mm Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153



working length 302mm,
overall length 355mm,
for 3.5mm trocar systems

Full HD



300-097-100

Laparoscope 0° direction of view, wide angle,
colour code: green



300-097-130

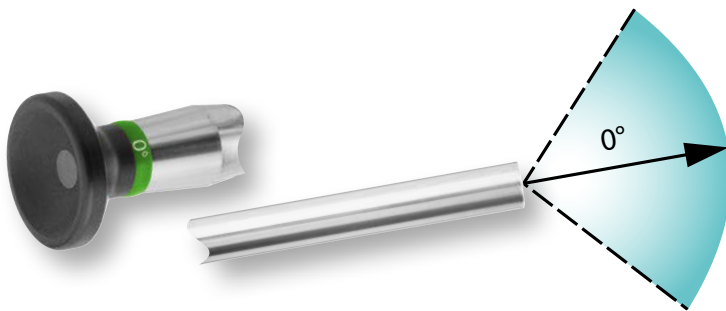
Laparoscope 30° direction of view, wide angle,
colour code: red

We recommend our Ø 3.5mm Light Cables to be used with all RZ Ø 3.3mm and Ø 2.9mm Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153



FULL HD

10 mm Ø, 270mm working length
for 11 mm trocar systems
for single puncture



300-099-006

Operating Laparoscope 0°, with parallel eyepiece, wide angle, 10 mm Ø,
270 mm length, with **6 mm instrument channel**, colour code: green



FULL HD

10 mm Ø, 270 mm working length
for 11 mm trocar systems
for single puncture



300-099-106

Operating Laparoscope 0°, with lateral eyepiece, wide angle, 10 mm
Ø, 270 mm length, with **6 mm instrument channel**, colour code:
green

We recommend our 4.8 mm Ø Light Guide Cables to be used with all RZ 10 mm Operating Laparoscopes, shown on page 170
Suitable Sterilization Containers are shown on pages 146-153
Operating Laparoscopes to be used with instruments with a working length of 450 mm and Ø 5mm.



300-099-500
Stopcock for use with Operating Laparoscopes with 6 mm instrument channel



300-090-100
Protection sheath for scopes up to Ø 4 mm, autoclavable
Package of 10 pieces



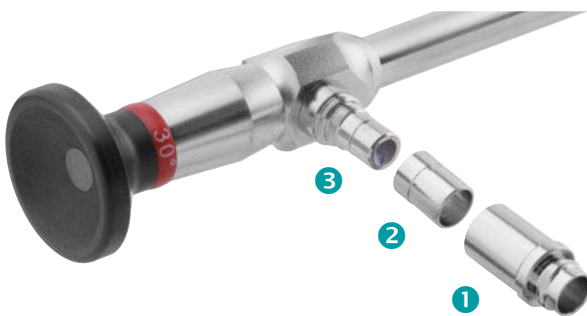
300-099-800
Irrigation Adapter for OP-Laparoscopes with Ø6mm instrument channel and fixed stop-cock



Sheaths can be screwed together to protect longer telescopes



300-135-910
Cleaning brush for 6 mm working channel



- 1** RZ/Storz® connection 300-090-001 spare adaptor
- 2** R. Wolf® connection 300-090-002 spare adaptor
- 3** ACMI®/Gyrus® connection

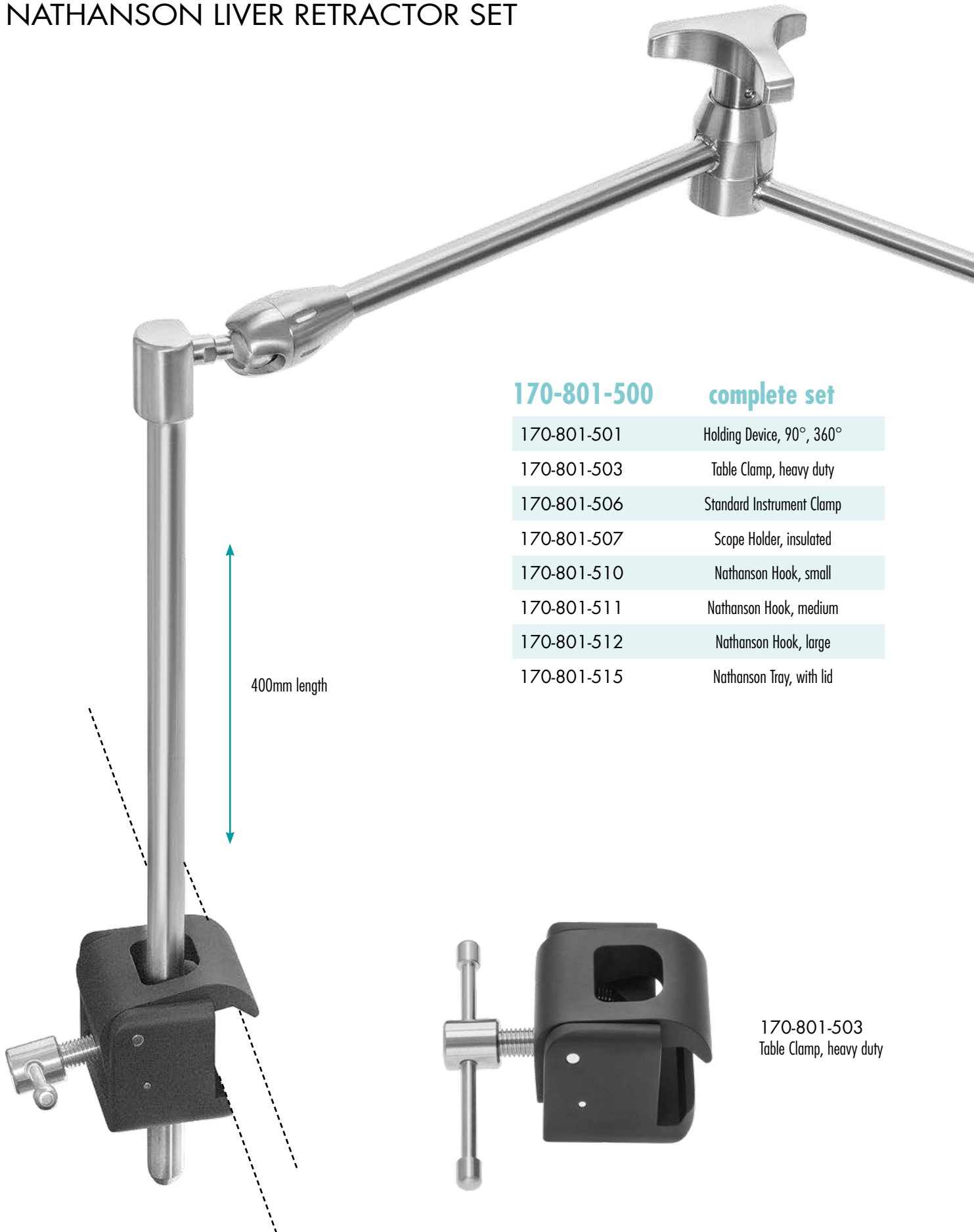
NATHANSON RETRACTOR SYSTEM

The Nathanson system allows the surgeon to hold the entire liver. It is used primarily in Gastroesophageal Reflux Disease procedures, but can also be used in a wide range of laparoscopic surgeries. With the additional accessories, it extends its supporting features for open surgeries, even for larger or bariatric patients. The retractor system is available as a laparoscopy set, each open surgery item can be ordered separately.

- Laparoscopic liver holding system
- Quick lock
- Expandable
- Very adjustable
- Bariatric patients hooks



NATHANSON LIVER RETRACTOR SET



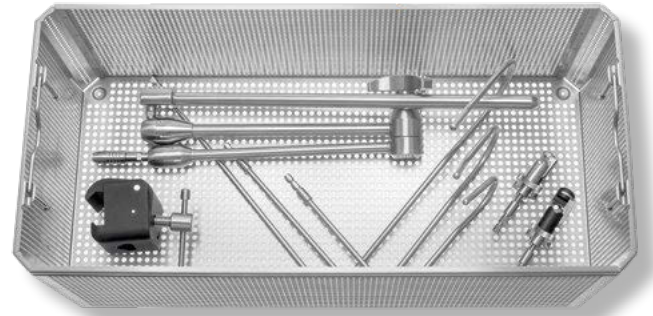
170-801-500

complete set

170-801-501	Holding Device, 90°, 360°
170-801-503	Table Clamp, heavy duty
170-801-506	Standard Instrument Clamp
170-801-507	Scope Holder, insulated
170-801-510	Nathanson Hook, small
170-801-511	Nathanson Hook, medium
170-801-512	Nathanson Hook, large
170-801-515	Nathanson Tray, with lid

400mm length

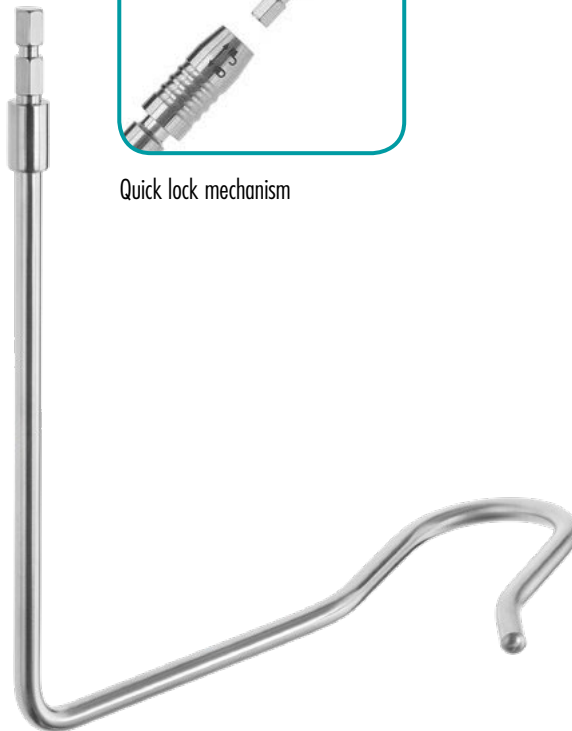
170-801-503
Table Clamp, heavy duty



170-801-515
Tray, with lid, 540 x 253 x 197mm



Quick lock mechanism



Hook, Ø 6.5mm

170-801-510 Small

170-801-511 Medium

170-801-512 Large

Hook, Ø 3.0mm

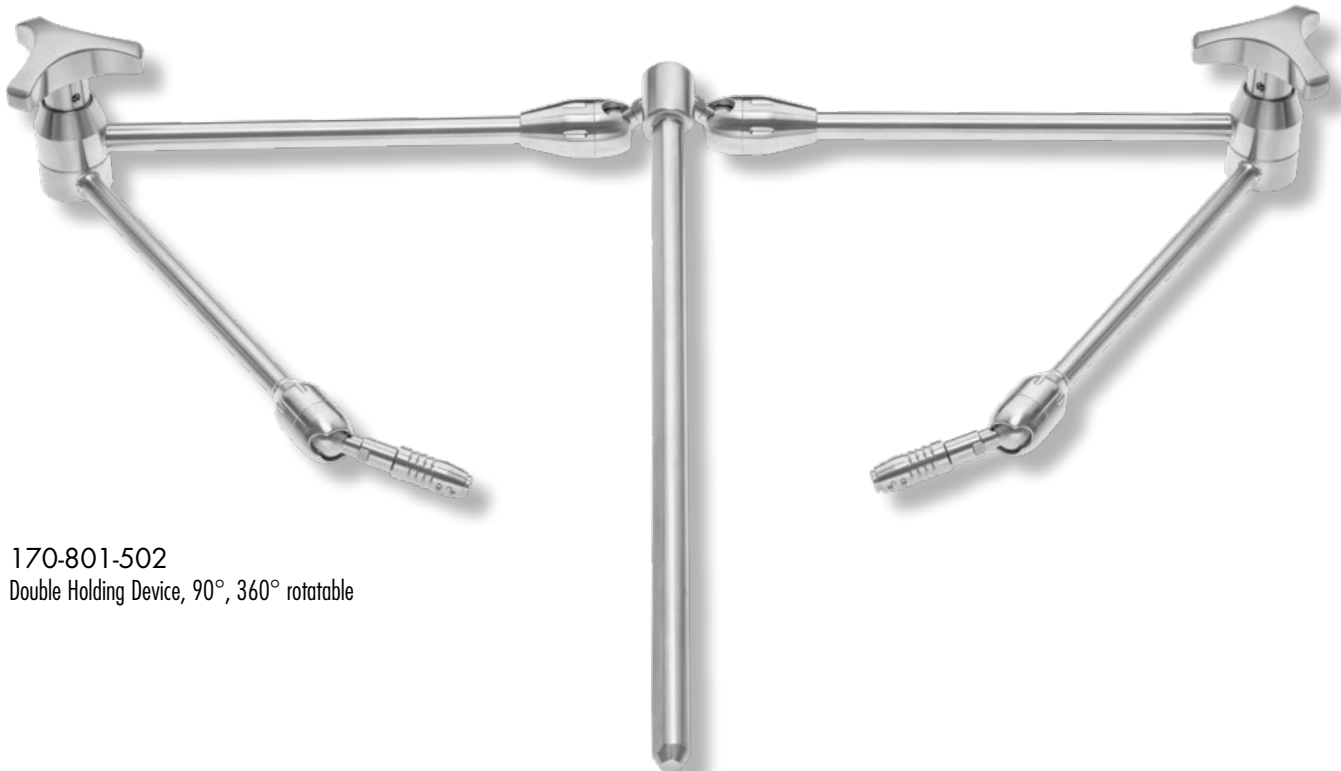
170-802-520 Small

170-802-521 Medium

170-802-522 Large



170-801-501
Holding Device, 90°, 360° rotatable



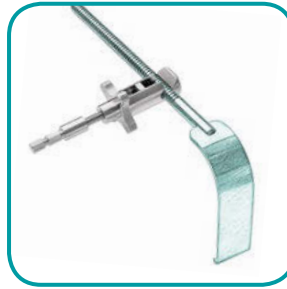
170-801-502
Double Holding Device, 90°, 360° rotatable



170-801-507
Scope Holder, insulated



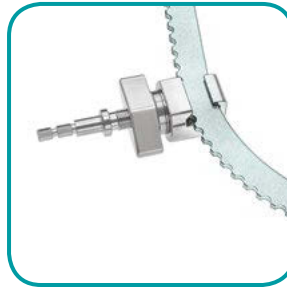
170-801-506
Standard Instrument Clamp



170-801-504
Universal Retractor Holder

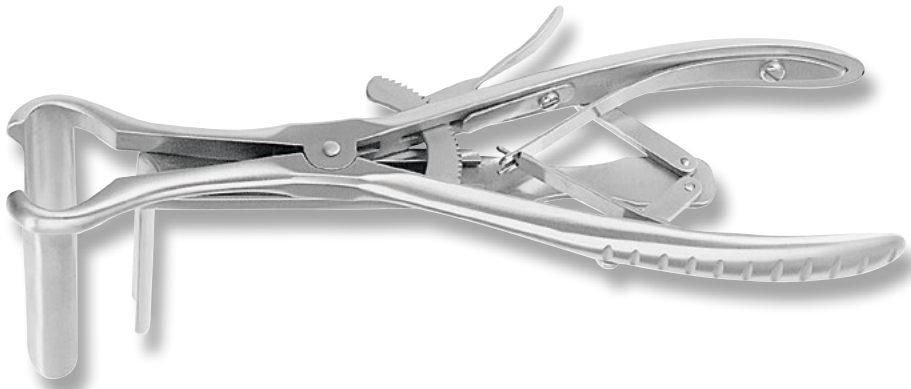


170-801-505
Frame Clamp for Retractor Frames



170-801-508
Ratchet mechanism





300-023-100

Endo Dilator Speculum, 195mm, with 3 blades for symmetric dilation of the tissue during heavy tissue removal



300-098-105

Tissue retractor, S-shaped, pair with 2 pieces to expose anatomical layers



RZ Dilation Set

300-013-511 for 5.5 > 11.0 mm

300-013-510 for 5.5 > 10.0 mm

300-013-115 for 11.0 > 15.0 mm

300-013-512 for 5.5 > 12.5 mm

300-013-522 for 11.0 > 20.0 mm



Insufflation needle, matt chrome, \varnothing 2 mm

300-195-100 100 mm*

300-195-120 120 mm*

300-195-150 150 mm*

300-195-170 170 mm

300-195-200 200 mm

Insufflation needle, polished chrome, \varnothing 2.7 mm, High-Flow

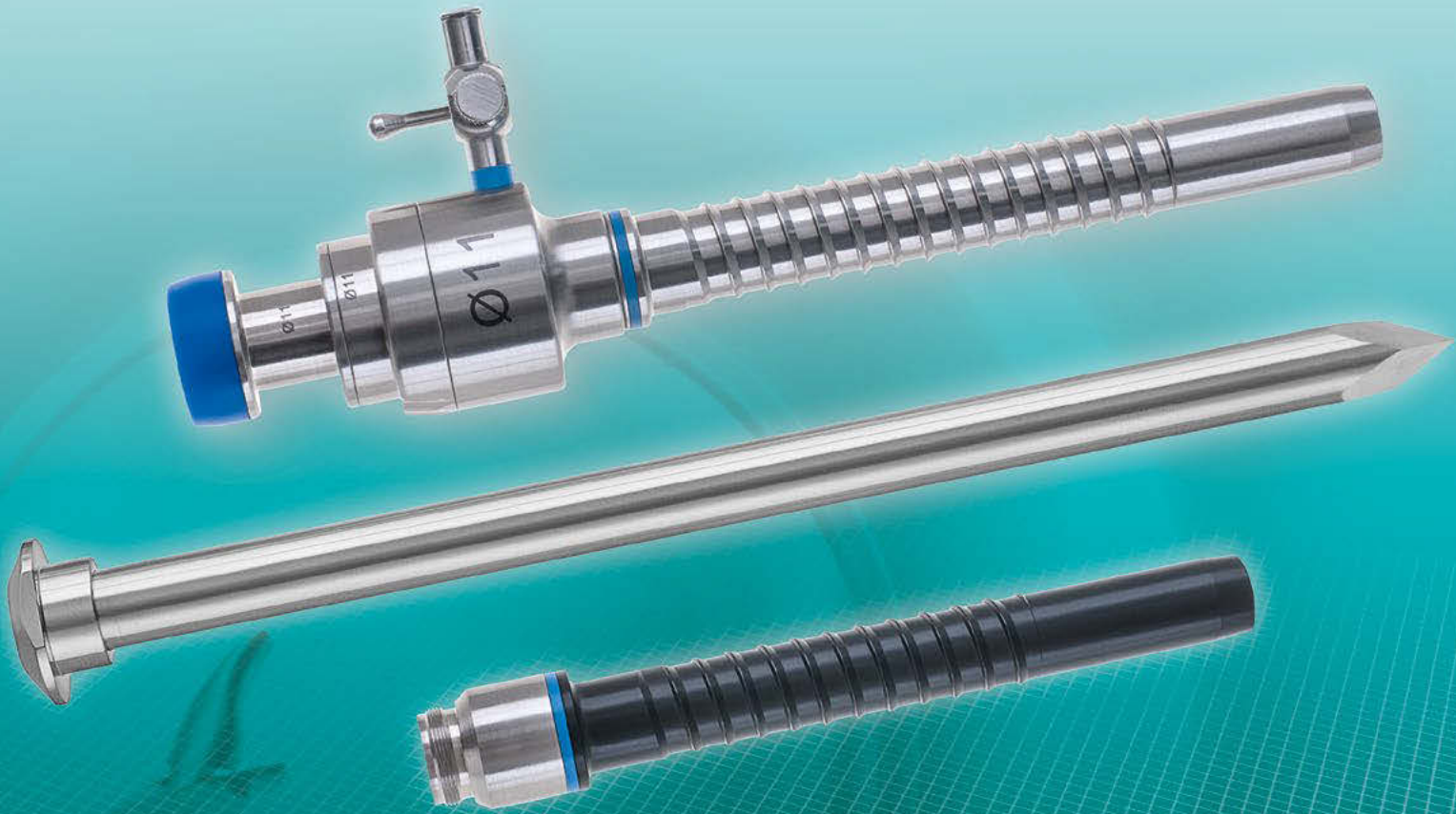
300-195-300 100 mm

300-195-320 120 mm*

300-195-350 150 mm*

300-195-370 170 mm*

* standard length



ADVANCED RZ TROCAR SYSTEMS

The advanced RZ Trocar Systems convince with a smaller valve body and a weight reduction of 25%. Due to the special colour coding and size markings on the individual parts, the components which are belonging together are always easy to identify. The self-centering conical sleeves can be screwed in and out easily and quickly.

All RZ Trocar Systems are modularly designed and can be combined with various accessories. We always try to keep up with the latest requirements on trocar systems and improve the design according to new operating techniques with modern endoscopic instruments, as well as the surgeon's individual preferences. Therefore we have updated our product portfolio with 5.5 mm, 11 mm and 13 mm trocar systems.

MultiPort Trocar System

1. REUSABLE AND AUTOCLAVABLE SEALS

All silicone seals used on the RZ Trocar System are fully autoclavable at 134°C/273°F and reusable for several surgeries. All components are latex free and have FDA as well as CE certification.

2. EASY OPENING BY PUSHING THE LEVER

The robust and ergonomic lever mechanics ensure an easy and long-term function of the valve mechanism.

3. STAINLESS STEEL STOP COCK

All RZ Trocars feature a maintenance-free stainless steel stopcock.

4. ERGONOMIC STAINLESS STEEL HOUSING

The advanced MultiPort Trocar Systems convince by a 25% weight reduced valve body made of medical grade stainless steel. The ergonomic design allows a simple handling while placing the trocar into the abdomen.

5. SELF-CENTERING CONICAL SLEEVE

The new self-centering sleeves simplify the assembly after cleaning or while switching to another sleeve.

6. SMOOTH STAINLESS STEEL SLEEVE

A wide range of special designed sleeves made of medical grade stainless steel or synthetic material is available.

SiliPort Trocar System

1. REUSABLE AND AUTOCLAVABLE SEALS

All silicone seals used on the RZ Trocar System are fully autoclavable at 134°C/273°F and reusable for several surgeries. All components are latex free and have FDA as well as CE certification.

2. REUSABLE AND AUTOCLAVABLE SILICON VALVE

In addition to a high degree of sealing quality the fully autoclavable valves can be used up to 10 times.

3. STAINLESS STEEL STOP COCK

All RZ Trocars feature a maintenance-free stainless steel stopcock.

4. LIGHTWEIGHT SYNTHETIC HOUSING

The medical grade synthetic material used for the SiliPort Trocar System is heat-resistant, mechanic claimable and designed for a long-term use. The SiliPort is the lightest available trocar system.

5. SELF-CENTERING CONICAL SLEEVE

The new self-centering sleeves simplify the assembly after cleaning or while switching to another sleeve.

6. SYNTHETIC THREADED LIGHTWEIGHT SLEEVE

A wide range of special designed sleeves made of medical grade stainless steel or synthetic material is available.



Made entirely of stainless steel



Improved trap-door valves



Easy opening MultiPort System



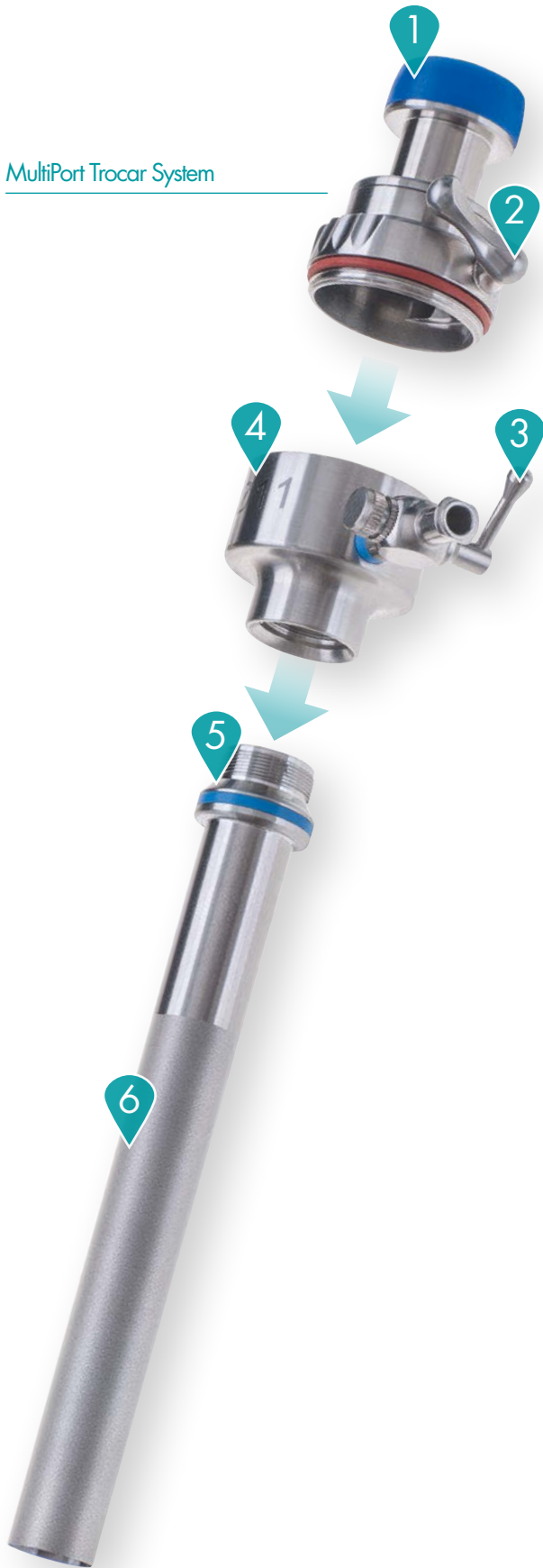
Highest safety due to stainless steel connections



TROCAR SYSTEMS

Advanced RZ
Trocar Systems

MultiPort Trocar System

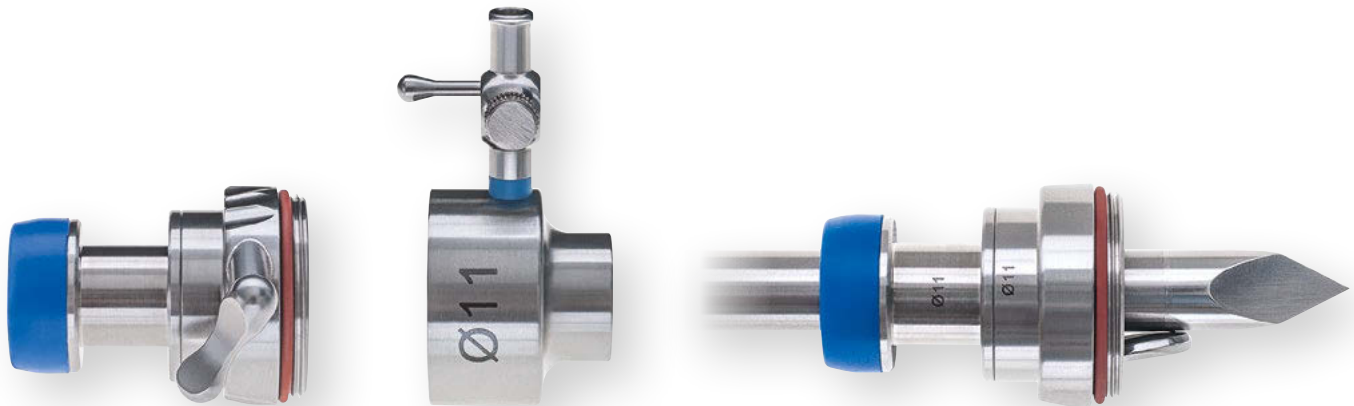


SiliPort Trocar System



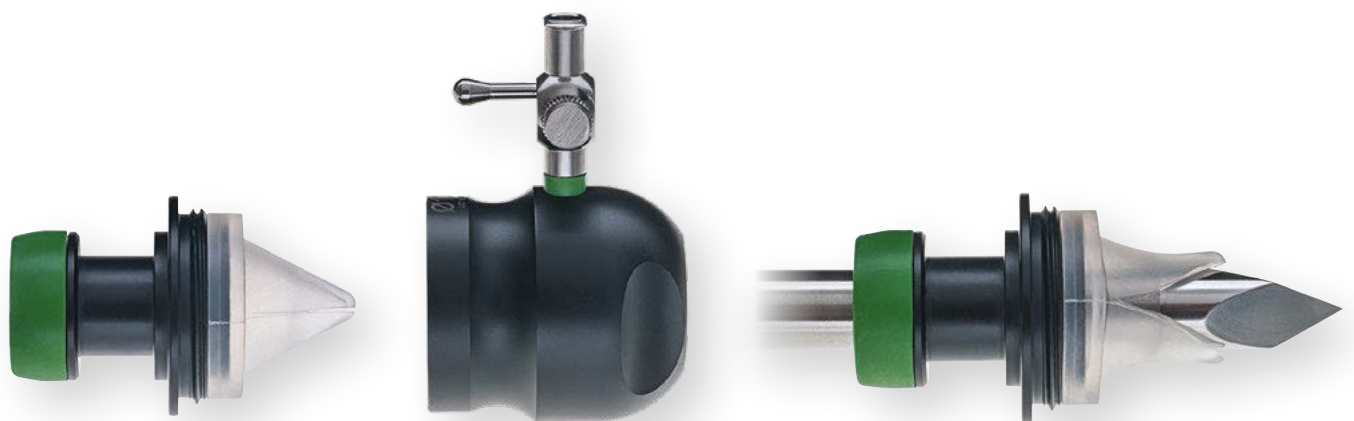
MultiPort Trocar System

The RZ MultiPort Trocar System has a very solid and long-life opening mechanism. By pushing the lever on the housing the valve opens easily. Small parts i.e. springs or pins have been abdicated. All parts including the stop cock are made of stainless steel to avoid abrasion and corrosion. The system allows a fast dis-/assembling by unscrewing the valve housing with just 1^{1/2} rotations for proper cleaning and maintenance.



SiliPort Trocar System

The RZ SiliPort Trocar System has a slim and lightweight design in combination with reusable and autoclavable silicon valves. The system allows a fast dis-/assembling by unscrewing the valve housing with just 2 rotations for proper cleaning and maintenance. The solid metal connection between housing and sleeve ensures highest safety.



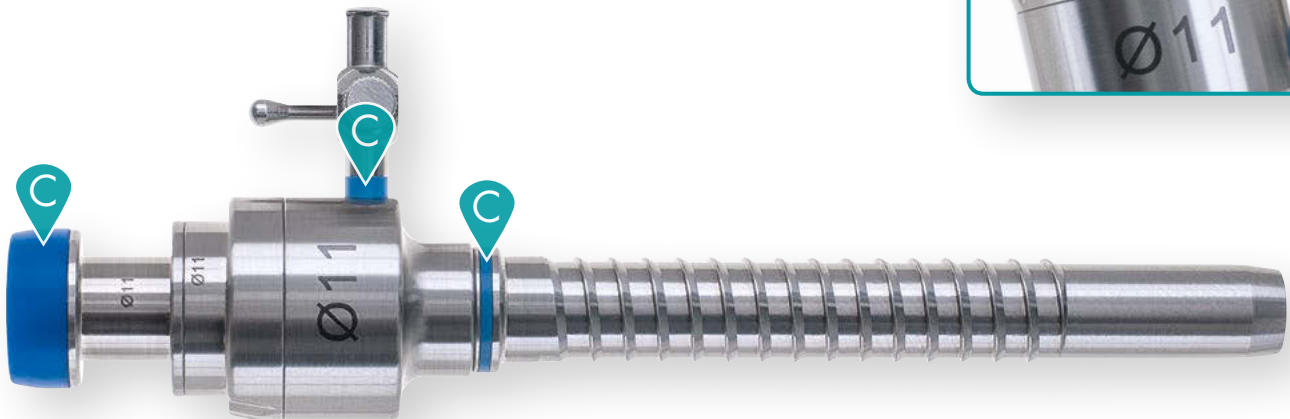


TROCAR SYSTEMS

Advanced RZ Trocar Systems

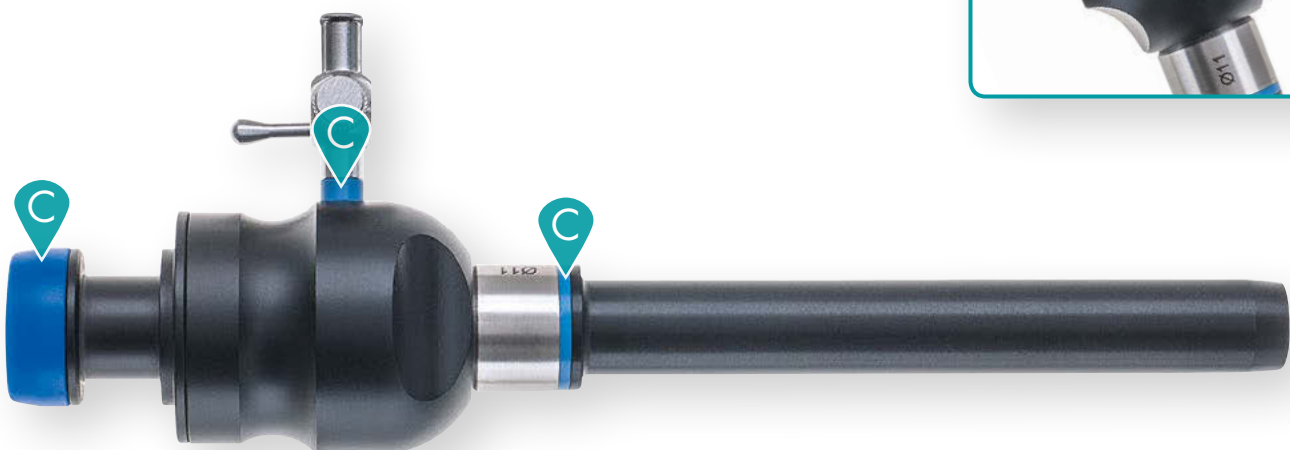
Due to the special colour coding (C) and size markings on the individual parts, the components belonging together are always easy to identify.

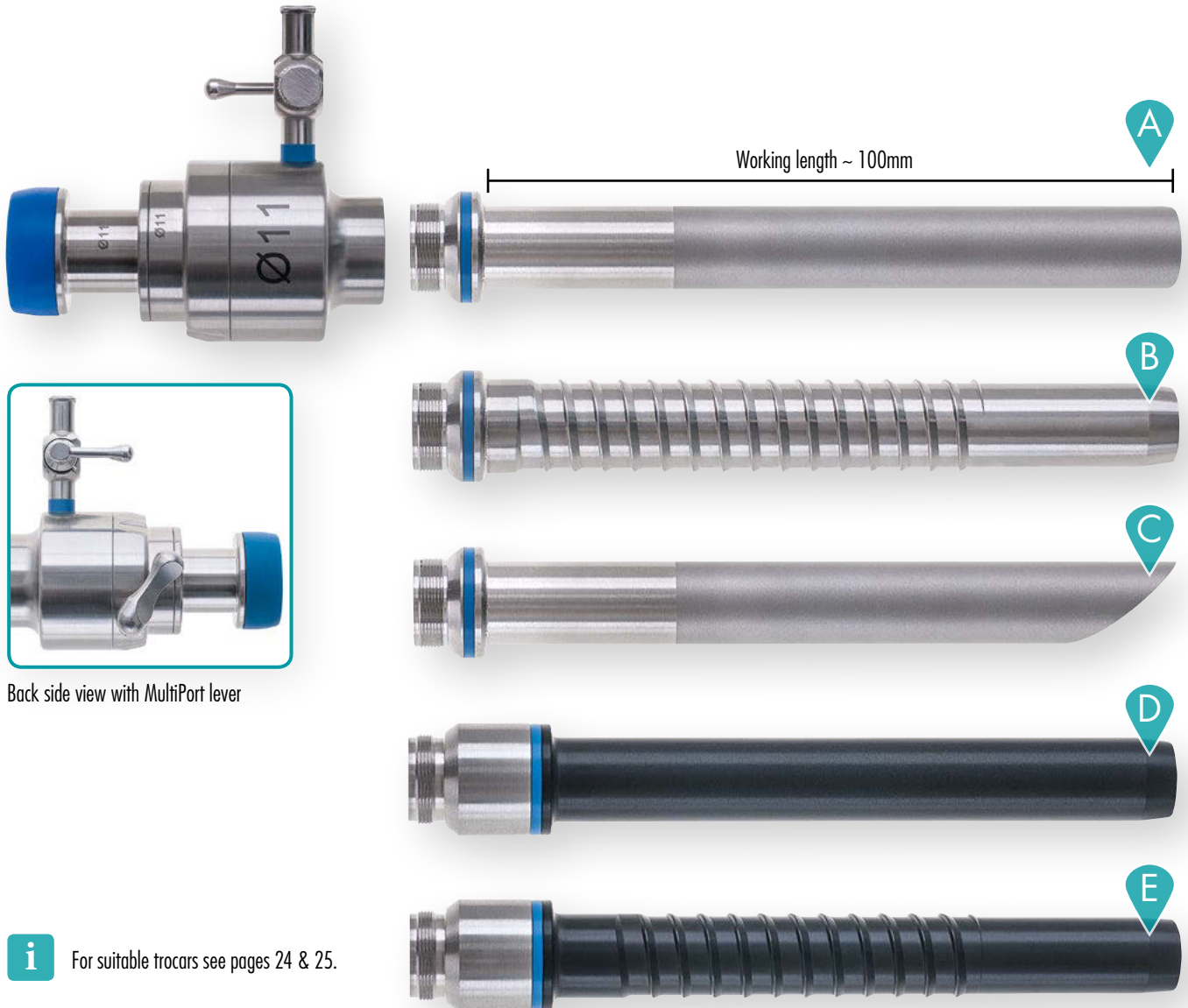
Colour code	Size
	5.5mm
	11mm
	13mm



Due to the special colour coding (C) and size markings on the individual parts, the components belonging together are always easy to identify.

Colour code	Size
	5.5mm
	11mm
	13mm





Back side view with MultiPort lever

i For suitable trocars see pages 24 & 25.

	Ø 5.5mm	Ø 11mm	Ø 13mm
A Stainless steel sleeve, smooth	300-220-055	300-220-011	300-220-013
B Stainless steel sleeve, thread	300-221-055	300-221-011	300-221-013
C Stainless steel sleeve, oblique	300-222-055	300-222-011	300-222-013
D Synthetic sleeve, smooth	300-223-055	300-223-011	300-223-013
E Synthetic sleeve, thread	300-224-055	300-224-011	300-224-013

Please note: the previous trocar systems are still available on request.



TROCAR SYSTEMS

Advanced RZ
Trocar Systems



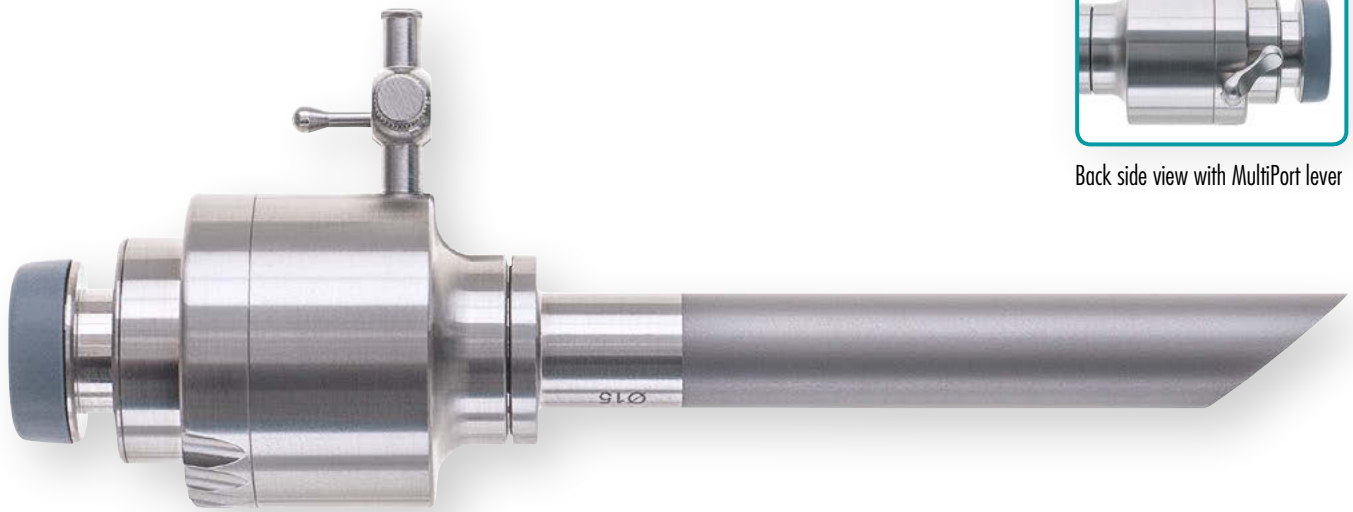
i For suitable trocars see pages 24 & 25.

	Ø 5.5mm	Ø 11mm	Ø 13mm
A Stainless steel sleeve, smooth	300-230-055	300-230-011	300-230-013
B Stainless steel sleeve, thread	300-231-055	300-231-011	300-231-013
C Stainless steel sleeve, oblique	300-232-055	300-232-011	300-232-013
D Synthetic sleeve, smooth	300-233-055	300-233-011	300-233-013
E Synthetic sleeve, thread	300-234-055	300-234-011	300-234-013

Please note: the previous trocar systems are still available on request.



Special Size Trocar System



Back side view with MultiPort lever

Stainless steel trocar with oblique sleeve, **109.9mm working length**

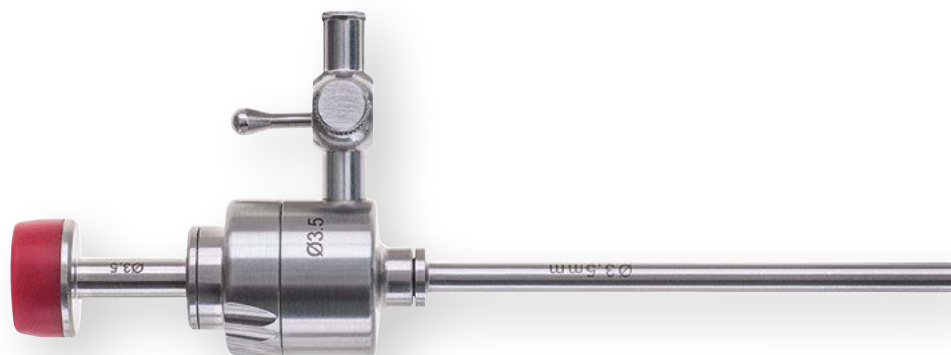
Ø 15mm 300-020-015

Stainless steel trocar with oblique sleeve, **118.7mm working length**

Ø 20mm 300-020-020

i For suitable trocars see page 22.

Pediatric Trocar System



Back side view with MultiPort lever

Stainless steel trocar with smooth sleeve, **70mm working length**

Ø 3.5mm 300-112-035

i For suitable trocars see page 22.

Please note: the previous trocar systems are still available on request.



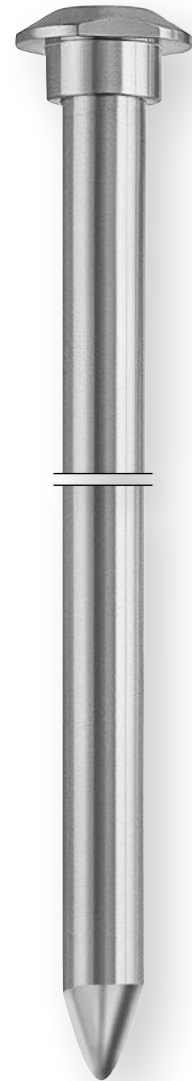
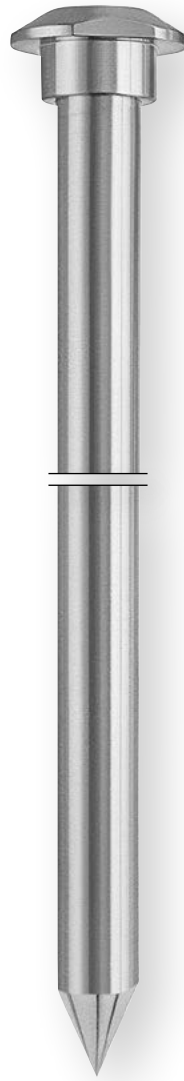
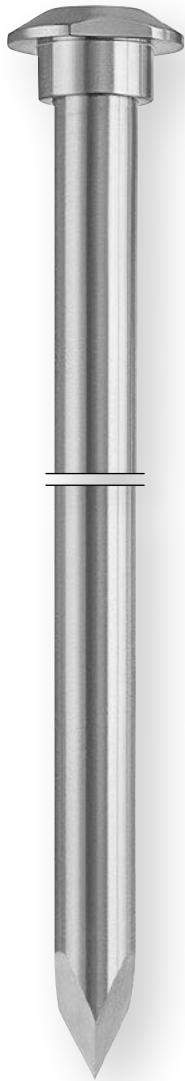
TROCAR SYSTEMS

Advanced RZ
Trocar Systems



	Ø 5.5mm	Ø 11mm	Ø 13mm
A Stainless steel sleeve, smooth	300-220-255	300-220-211	300-220-213
B Stainless steel sleeve, thread	300-221-255	300-221-211	300-221-213
C Stainless steel sleeve, oblique	300-222-255	300-222-211	300-222-213
D Synthetic sleeve, smooth	300-233-255	300-233-211	300-233-213
E Synthetic sleeve, thread	300-234-255	300-234-211	300-234-213

Please note: the previous trocar systems are still available on request.



Standard trocar
with pyramidal tip, reusable, cutting

Ø 3.5mm	300-241-035
Ø 5.5mm	300-241-055
Ø 11mm	300-241-011
Ø 13mm	300-241-013
Ø 15mm	300-241-015
Ø 20mm	300-241-020

Standard trocar
with conical tip, reusable, cutting

Ø 3.5mm	300-240-035
Ø 5.5mm	300-240-055
Ø 11mm	300-240-011
Ø 13mm	300-240-013
Ø 15mm	300-240-015
Ø 20mm	300-240-020

Hasson Obturator with blunt ball tip, reusable, atraumatic

Ø 3.5mm	300-242-035
Ø 5.5mm	300-242-055
Ø 11mm	300-242-011

Please note: the previous trocar systems are still available on request.

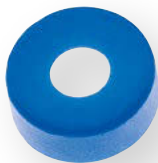


A

Silicone seal insert for SiliPort Trocar System, 5 pieces

Ø 5.5mm	300-025-358
Ø 11mm	300-025-359
Ø 13mm	300-025-359

B



Sealing caps, colour-coded, 10 pieces

For Trocar Systems with Ø

Ø 3.5mm	300-250-035 (red)
Ø 5.5mm	300-250-055 (white)
Ø 11mm	300-250-011 (blue)
Ø 13mm	300-250-013 (green)
Ø 15mm	300-020-915 (grey)
Ø 20mm	300-020-920 (grey)

C

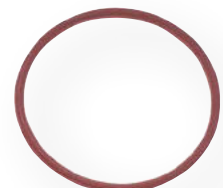


Gaskets for MultiPort Trocar System, 10 pieces

For Trocar Systems with Ø

Ø 3.5mm	300-250-235 (black)
Ø 5.5mm	300-250-255 (white)
Ø 11mm	300-250-211 (blue)
Ø 13mm	300-250-213 (green)
Ø 15mm	300-250-215 (blue)
Ø 20mm	300-250-220 (blue)

D



Gaskets for MultiPort Trocar System, 10 pieces

For Trocar Systems with Ø

Ø 3.5mm	300-250-135
Ø 5.5mm	300-250-135
Ø 11mm	300-250-111
Ø 13mm	300-250-111
Ø 15mm	300-250-115
Ø 20mm	300-250-120

Please note: the previous trocar systems are still available on request.



TROCAR SYSTEMS

Reducer Systems



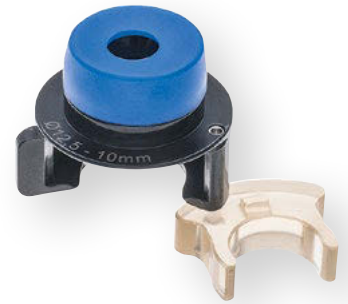
Reducer clip with silicone band for all RZ trocar systems.

Ø 11mm → 5.5 mm	300-021-011
Ø 12.5mm → 5.5 mm	300-021-125



Reducer clip with silicone band for all RZ trocar systems.

Ø 11mm → 5.5 mm	300-021-355
Ø 11mm → 8.0 mm	300-021-380
Ø 13mm → 5.5 mm	300-021-305
Ø 13mm → 10.0 mm	300-021-310



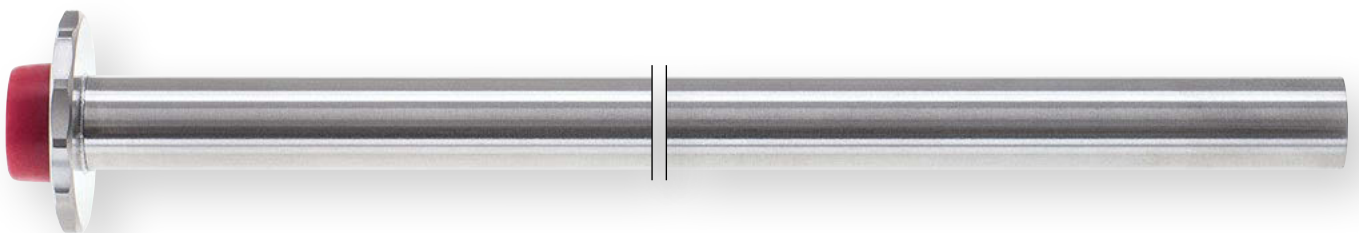
Slide-reducer for all RZ Trocar Systems

Ø 11mm → 5.5 mm	300-021-455
Ø 13mm → 5.5 mm	300-021-405
Ø 13mm → 10.0 mm	300-021-410



Reducer Sleeve short, for all RZ modular trocar systems, 60mm

Ø 10mm → 5.0 mm	300-012-106
Ø 11mm → 5.5 mm	300-012-116
Ø 12.5mm → 5.5 mm	300-012-121

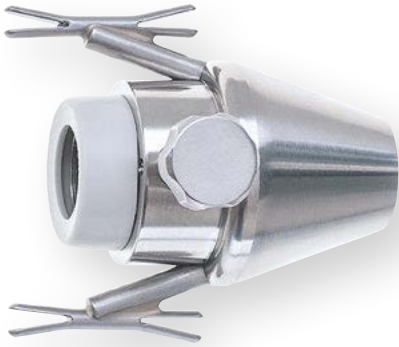


Reducer Sleeve long, for all RZ modular trocar systems, 190mm

Ø 5.0mm → 4.0mm	300-012-405 (red)*
Ø 10.0/11.0mm → 5.5mm	300-012-455 (red)
Ø 12.5mm → 10.0mm	300-012-410 (blue)
Ø 12.5mm → 5.5mm	300-012-412 (red)
Ø 15.0mm → 10.0mm	300-012-415 (blue)

Ø 15.0mm → 5.5mm	300-012-416 (red)
Ø 20.0mm → 15.0mm	300-012-425 (grey)
Ø 20.0mm → 10.0mm	300-012-420 (blue)
Ø 20.0mm → 5.5mm	300-012-421 (red)

* 175mm



Fixable sliding Hasson Cone with suture fixation device, for all RZ Modular Trocar Systems with smooth metal sleeves

Ø 5.5mm 300-014-155 Ø 11mm 300-014-111 Ø 13mm 300-014-113



Fixable sliding Hasson cone with suture fixation device, for all RZ Modular Trocar Systems with smooth metal sleeves

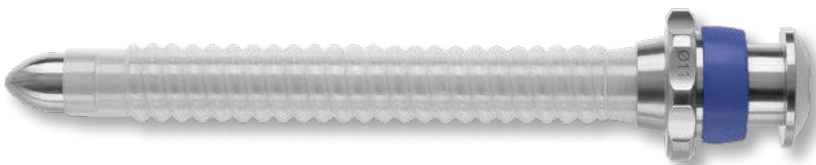
Ø 11mm 300-014-711

Please note: the previous trocar systems are still available on request.



FLEXIBLE TROCAR SYSTEM FOR THE USE OF CURVED INSTRUMENTS

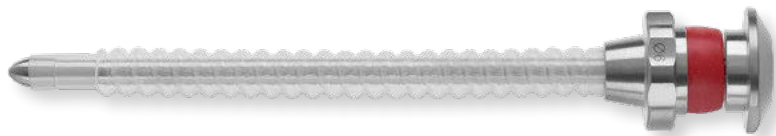
Complete Thorax Trocar System with flexible sleeve for an easy inserting of curved or strongly curved jaws.
Two different diameters available - for use with 5 mm and 10 mm instruments.



- 300-020-211 Thorax Trocar System, flexible, complete, Ø 11 mm, 100 mm working length
- 300-020-711 Thorax Trocar System, flexible, complete, Ø 11 mm, 70 mm working length



- 300-021-111 Thorax Trocar Sheath Ø 11 mm, for 100 mm



- 300-020-255 Thorax Trocar System, flexible, complete, Ø 5.5 mm, 100 mm working length
- 300-020-755 Thorax Trocar System, flexible, complete, Ø 5.5 mm, 70 mm working length



- 300-021-155 Thorax Trocar Sheath Ø 5.5 mm, for 100 mm
- 300-021-755 Thorax Trocar Sheath Ø 5.5 mm, for 70 mm



Obturator for flexible Thorax Trocar System
 300-023-111 Ø 11.0mm, 100mm
 300-023-711 Ø 11.0mm, 70mm
 300-023-255 Ø 5.5mm, 100mm
 300-023-755 Ø 5.5mm, 70mm



Plastic Trocar Sleeve, flexible, Package of 5 pieces
 300-024-111 Ø 11.0mm, 100mm
 300-024-711 Ø 11.0mm, 70mm
 300-024-155 Ø 5.5mm, 100mm
 300-024-755 Ø 5.5mm, 70mm



300-250-011 Gasket for Thorax Trocar System
 Ø 11mm, blue (Package of 10 pcs.)



300-250-055 Gasket for Thorax Trocar System
 Ø 5.5mm, white (Package of 10 pcs.)



SUCTION
AND
IRRIGATION

THE NEW DEVELOPED RZ EASYCLEAN SUCTION AND IRRIGATION SYSTEM

- ❶ -20 % lighter
- ❷ less individual parts
- ❸ colour coded



RZ EasyClean suction and irrigation system with 2 colour coded trumpet valves. Universal suction channel and new designed lateral luer-lock irrigation channel.

300-019-500

Suction and irrigation set with 5 mm and 10 mm suction tubes and large suction channel

300-019-501

Suction and irrigation handle only, with large suction channel

300-019-600

Suction and irrigation set with 5 mm and 10 mm suction tubes and small suction channel

300-019-601

Suction and irrigation handle only, with small suction channel

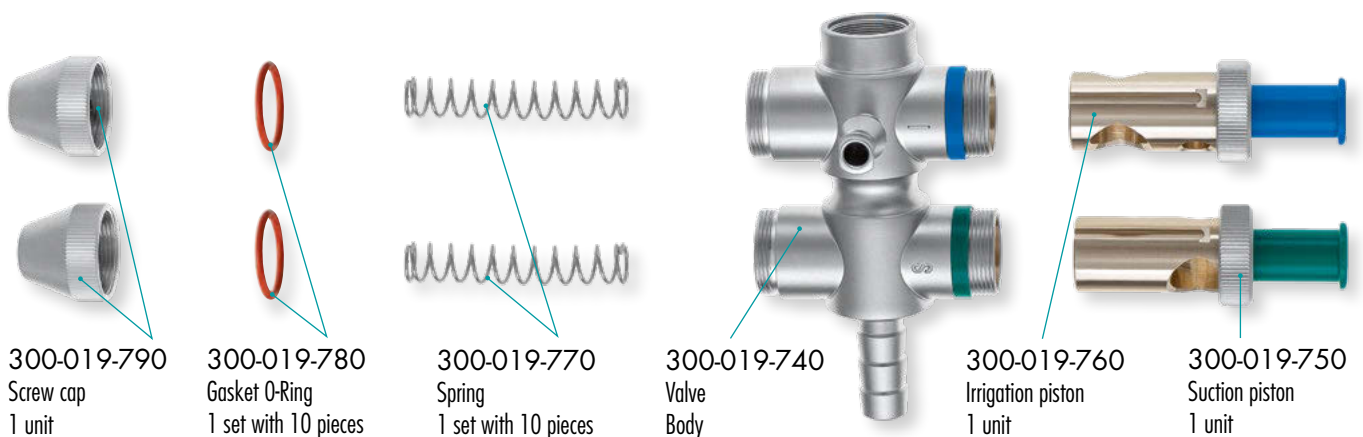


Ø 3.5 mm 300-019-735

Ø 5 mm 300-019-705

Ø 10 mm 300-019-710

Suction and irrigation tube with 4 x 4 holes for handles 300-019-501 and 300-019-601



300-019-790
Screw cap
1 unit

300-019-780
Gasket O-Ring
1 set with 10 pieces

300-019-770
Spring
1 set with 10 pieces

300-019-740
Valve
Body

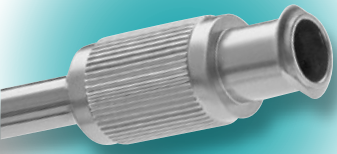
300-019-760
Irrigation piston
1 unit

300-019-750
Suction piston
1 unit

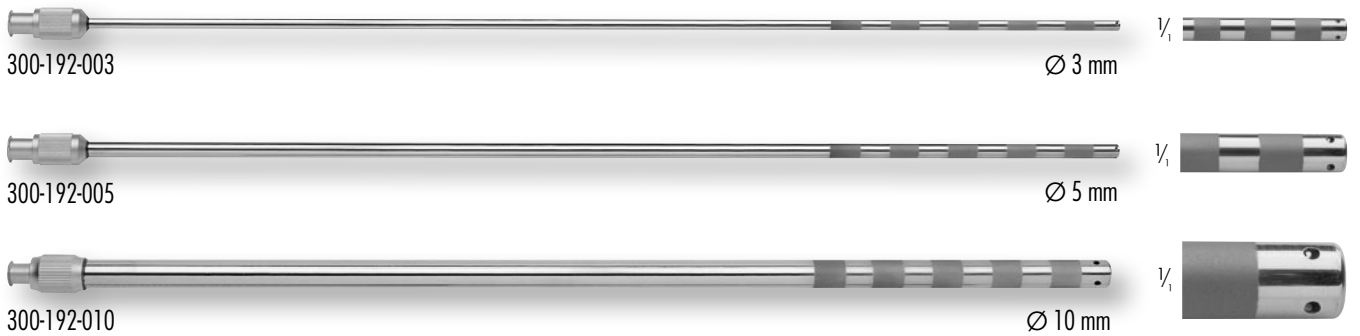


SUCTION & IRRIGATION

Suction and Irrigation System

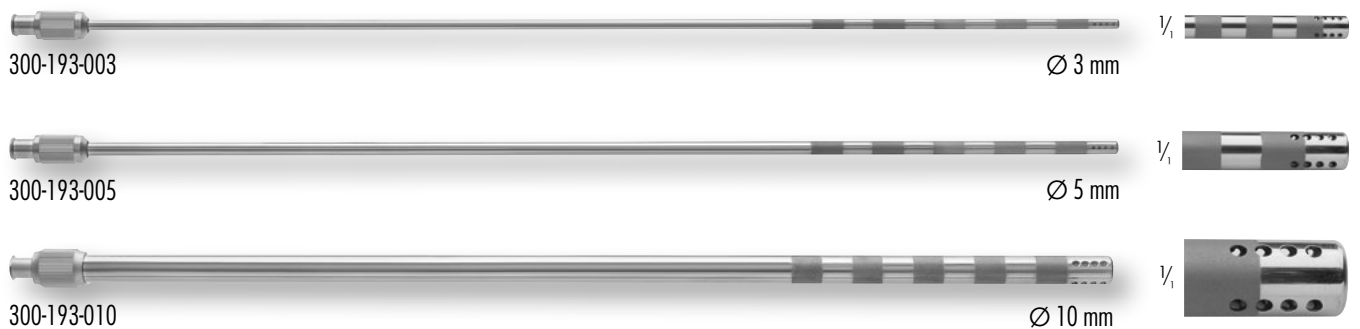


300-192-000
Suction and irrigation handle with rotating 2-way lever mechanism and 2 large universal tube adaptors with luer-lock connector



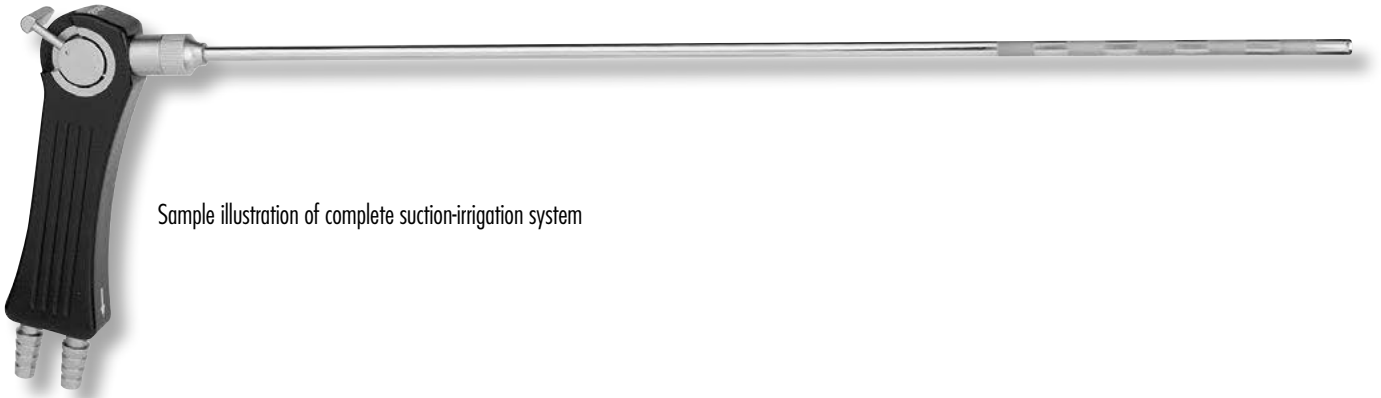
Suction and irrigation tubes with luer-lock, 330 mm, with 4 holes on the tip, for use with handle 300-192-000. Markings on the tubes indicate working depth during surgery. Additional holes prevent blockage in case of tissue contact.

- Ø 3 mm 300-192-003
- Ø 5 mm 300-192-005
- Ø 10 mm 300-192-010

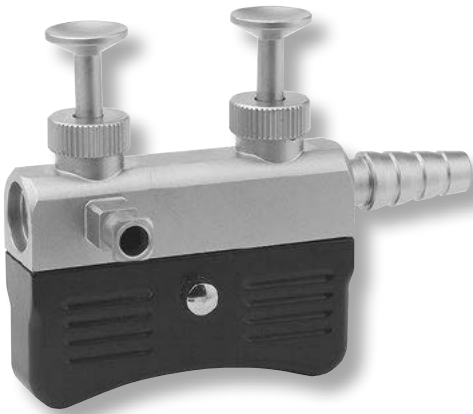


Suction and irrigation tubes, 330 mm, with 4 x 4 holes on the tip for use with handle 300-192-000. Markings on the tubes indicate working depth during surgery. Additional holes prevent blockage in case of tissue contact.

- Ø 3 mm 300-193-003
- Ø 5 mm 300-193-005
- Ø 10 mm 300-193-010



Sample illustration of complete suction-irrigation system



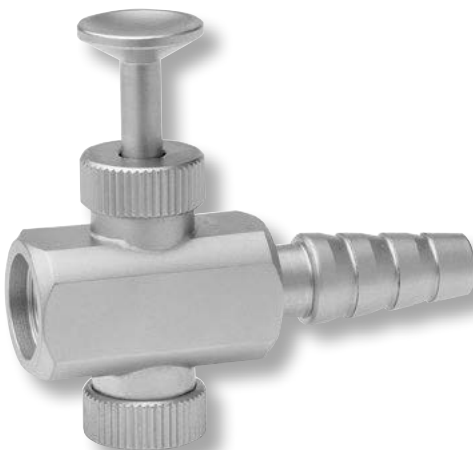
300-165-100

Suction and irrigation handle with 2 trumpet valves. Suction channel with large universal tube connector, irrigation channel with lateral luer-lock connection. Removable ergonomic handle plate for easy cleaning and maintenance.



300-166-100

Pistol-shaped suction and irrigation handle with 2-way valve and 2 large universal tube connectors for suction and irrigation. Ergonomic handle design for optimal operation condition.



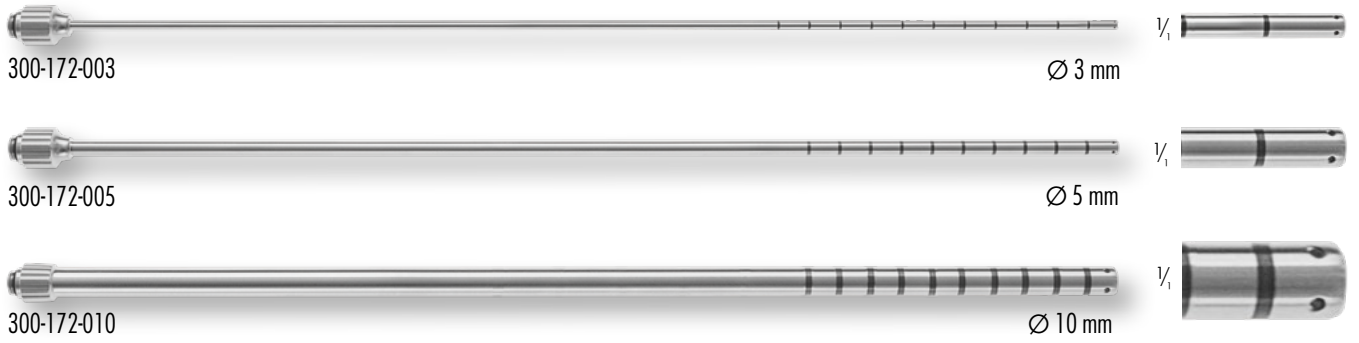
300-167-100

Suction and irrigation handle with 1 trumpet valve and large universal tube adaptor. To control suction or irrigation.



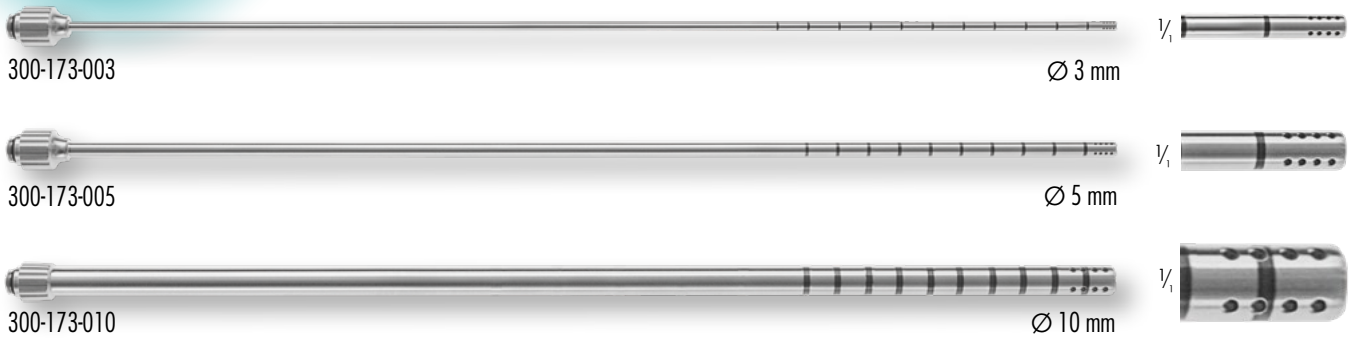
SUCTION & IRRIGATION

Suction and Irrigation System



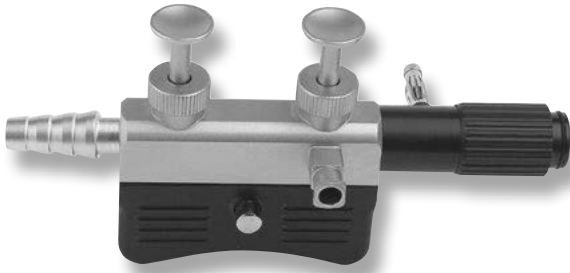
Suction and irrigation tubes, 330 mm, with 4 holes on the tip for use with handles 300-165-100, 300-166-100 and 300-167-100. Markings on the tubes indicate working depth during surgery.

- Ø 3 mm 300-172-003
- Ø 5 mm 300-172-005
- Ø 10 mm 300-172-010



Suction and irrigation tubes, 330 mm, with 4 x 4 holes on the tip for use with handles 300-165-100, 300-166-100 and 300-167-100. Markings on the tubes indicating working depth during surgery. The additional holes prevent blockage in case of direct tissue contact.

- Ø 3 mm 300-173-003
- Ø 5 mm 300-173-005
- Ø 10 mm 300-173-010



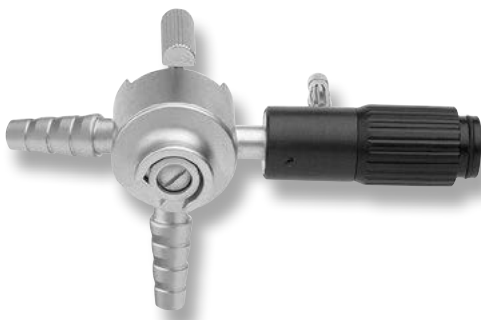
300-165-000

Suction and irrigation handle with 2 trumpet valves. Additional rotating HF connector for monopolar cables for simultaneous suction/irrigation in combination with coagulation. Suction channel with large universal tube connector, irrigation channel with lateral luer-lock adapter. Removable ergonomic handle plate for easy cleaning and maintenance.



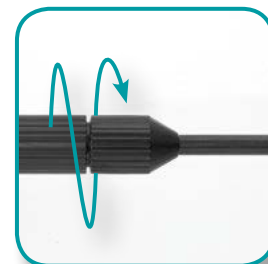
300-166-000

Pistol-shaped suction and irrigation handle with 2-way valve. Additional rotating HF connector for monopolar cables for simultaneous suction/irrigation in combination with coagulation. 2 large universal tube connectors for suction and irrigation. Ergonomic handle for best possible application.



300-169-000

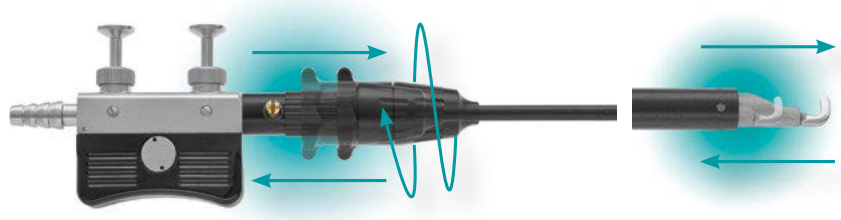
Suction and irrigation handle with 2-way lever mechanism and 2 large universal tube connectors. Additional rotating HF connector for monopolar cables for simultaneous suction/irrigation in combination with coagulation.





SUCTION & IRRIGATION

Suction and Irrigation System



Basic attachable electrodes



J-hook electrode, thin wire

J-hook electrode, thick wire

L-hook electrode

Spatula electrode

Ballpoint electrode

Knife electrode

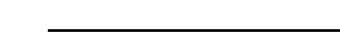
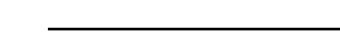
45° Needle electrode

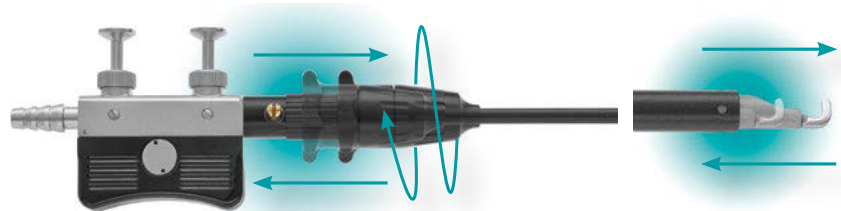
Needle electrode

Cone electrode

Irrigation tube for use without HF

Retractable, attachable electrodes





Basic attachable electrodes



L-hook electrode

Spatula electrode

Knife electrode

45° Needle electrode

Needle electrode

Retractable, attachable electrodes





MONOPOLAR COAGULATION ELECTRODES



Monopolar Coagulation Electrodes with 4 mm HF- connector
330 mm, Ø 5 mm



300-100-132

J-hook electrode



300-100-133

L-hook electrode



300-100-131

Spatula electrode



300-100-134

Ballpoint electrode

SUCTION-IRRIGATION ELECTRODES



Monopolar Irrigation and Suction Electrodes with 4 mm HF-connector
330 mm, dia. 5 mm, with one piston and luer-lock connector



300-163-111

J-hook electrode



300-163-121

L-hook electrode



300-163-131

Spatula electrode



300-163-141

Ballpoint electrode

LAPAROSCOPIC MONOPOLAR ELECTRODES

The new RZ laparoscopic surgery hook electrodes are characterized by their large and ergonomic handle design and the use of high-grade materials. The tips of monopolar electrodes are very fine to ensure precise and exact working. They have ceramic tips and a PEEK shaft for a long lifetime and safety during surgery. Optionally available with a suction connection for better view in case of bleedings.



Ø 5mm, 360mm working length



Large and ergonomic handle design



Optional suction connection



Very fine tip design



WITHOUT SUCTION



300-144-002
Spatula Electrode

300-144-004
J-Hook Electrode

300-144-005
L-Hook Electrode

300-144-006
Needle Electrode

WITH SUCTION

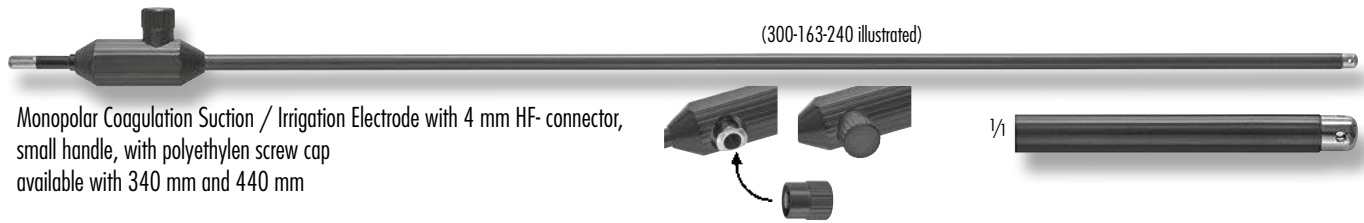


300-145-003
Spatula Electrode

300-145-004
J-Hook Electrode

300-145-005
L-Hook Electrode

300-145-006
Needle Electrode



Monopolar coagulation electrodes with suction / irrigation

Monopolar coagulation electrodes without suction / irrigation with ceramic tip



J-hook



300-163-210 340 mm
300-163-310 440 mm

300-163-410 340 mm
300-163-610 440 mm



L-hook



300-163-220 340 mm
300-163-320 440 mm

300-163-420 340 mm
300-163-620 440 mm



Spatula

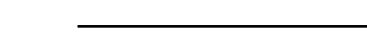


300-163-230 340 mm
300-163-330 440 mm

300-163-430 340 mm
300-163-630 440 mm



Ballpoint



300-163-240 340 mm
300-163-340 440 mm



Knife



300-163-250 340 mm
300-163-350 440 mm

300-163-450 340 mm
300-163-650 440 mm



45° needle



300-163-260 340 mm
300-163-360 440 mm

300-163-460 340 mm
300-163-660 440 mm



Needle



300-163-270 340 mm
300-163-370 440 mm

300-163-470 340 mm
300-163-670 440 mm



Suction or irrigation tube with luer-lock, 4 x 4 holes and stopcock, 5 mm diameter

330 mm working length 300-006-305
 450 mm working length 300-006-455



Suction or irrigation tube with luer-lock adaptor, with 4 holes, 5 mm diameter

330 mm working length 300-008-335



Puncture and injection needle with luer-lock adaptor, 5 mm diameter, 20 mm needle length



Needle tip	Working length	Code No.	Needle length
0.7 mm	330 mm	300-194-307	12mm
0.9 mm	330 mm	300-194-309	20mm
1.2 mm	330 mm	300-194-312	20mm
1.2 mm	450 mm	300-194-412	20mm
1.4 mm	330 mm	300-194-314	20mm
1.4 mm	450 mm	300-194-414	20mm
1.8 mm	330 mm	300-194-318	20mm
1.8 mm	450 mm	300-194-418	20mm



Palpation probe with markings and small handle



Diameter	Working length	Code No.
5 mm	300 mm	300-193-305
5 mm	330 mm	300-193-335
5 mm	400 mm	300-193-405
10 mm	400 mm	300-193-410

MONOPOLAR CABLES

Generator end		4mm socket	4mm socket, ang.	2mm plug	4mm plug	3mm socket	4mm hexagon	4mm plug
 RZ HF Unit Standard Plug	3 m	700-501-303						
	5 m	700-501-503						
 RZ HF Unit SDS Plug	3 m	700-501-300						
	5 m	700-501-500						
 Erbe, Martin, Berchtold	3 m	700-280-030	700-290-030	700-291-030		700-292-030	700-293-030	700-293-033
	5 m	700-280-050	700-290-050	700-291-050				700-293-035
 Bovie, Valleylab, Conmed	3 m	700-360-031	700-361-030	700-362-030	700-363-030	700-364-030		700-370-030
	5 m	700-360-051	700-361-050	700-362-050	700-363-050			700-370-050
 Martin, Berchtold	3 m	700-285-030		700-286-030	700-286-130			700-286-230
	5 m	700-285-050		700-286-050				
 Erbe ACC/ICC	3 m	700-101-030	700-102-030	700-103-030			700-105-030	
	5 m	700-101-050		700-103-050		700-104-050		



RZ HF Generator can be found on page 176



RING HANDLE
INSTRUMENTS

Handles



300-750-101
PEEK Polymer Handle with
HF - connection



300-750-103
PEEK Polymer Handle with ratchet
and HF - connection



300-750-105
PEEK Polymer Handle with hook up
ratchet and HF - connection



300-750-106
PEEK Polymer Handle with swing-away
ratchet, rotatable and HF - connection



300-750-001
Carbon Fiber Handle, rotating,
HF - connection



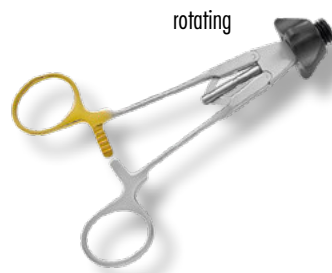
300-750-003
Carbon Fiber Handle, rotating,
with ratchet, HF - connection



300-750-020
Metall handle with inner ratchet,
rotating



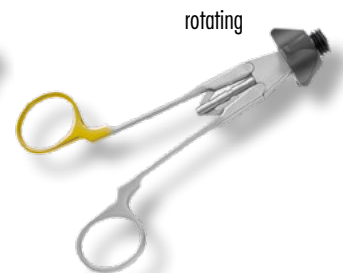
300-750-015
Axial Handle with catch for needle holder
fixed, for all needle holder inserts,
with two gold rings



300-750-115
Axial Handle with catch, rotating,
for standard instrument,
with one golden ring



300-750-215
Axial Handle without catch,
non rotating, for standard instrument,
with two gold rings



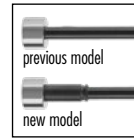
300-750-315
Axial Handle without catch, rotating,
for standard instrument, with one gold ring



Outer Sheath, insulated, adaptable to *all* handles, \varnothing 5 mm

210 mm 300-550-005
330 mm 300-660-005
450 mm 300-760-005

- exchangeable color coding locking nuts
- advantages in handling and cleaning
- strengthening of the shaft through a partial thickening at the proximal end



**PATENT
PENDING**



Outer Sheath, insulated, adaptable to *all* handles, \varnothing 10 mm

210 mm 300-550-010
330 mm 300-660-010

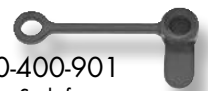


Outer Sheath, insulated, adaptable to *all* handles, **with luer-lock**

\varnothing 5 mm 210 mm 300-550-105
 \varnothing 10 mm 210 mm 300-550-110
 \varnothing 5 mm 330 mm 300-660-105
 \varnothing 10 mm 330 mm 300-660-110
 \varnothing 5 mm 450 mm 300-760-105
 \varnothing 10 mm 450 mm 300-760-110



300-400-900
Rubber Seals for luer-lock connectors
sales unit: 5 pcs.



300-400-901
Rubber Seals for luer-lock connectors
sales unit: 5 pcs.



Outer Sheath, non-insulated, adaptable to *all* handles

\varnothing 5 mm 330 mm 300-670-105
 \varnothing 10 mm 330 mm 300-670-110



Locking Nuts

300-661-005 5mm ●
 300-661-010 10mm ●
 300-661-006 5mm ●
 300-661-007 5mm ●
 300-661-008 5mm ●
 300-661-004 5mm ●
 300-661-009 3.5mm* ●



300-750-004.2
Monopolar paste, 4mm, for insulated metal handle, gold, sales unit: 5 pcs.



300-661-006OR
Sealing ring, package of 10 pieces, autoclavable

* for 3.5mm Mini Laparoscopy instruments (page 125-127)

Monopolar cables are shown on page 44



Assembled, complete 3-piece detachable Laparoscopy Instrument

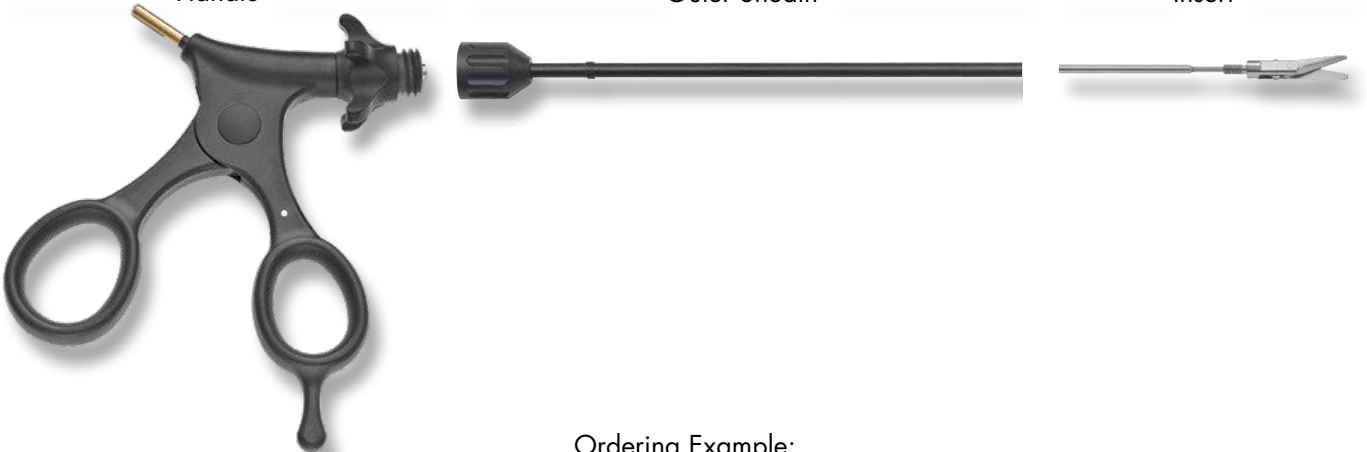


Complete 3-piece detachable Instrument consists of:

Handle

Outer Sheath

Insert



Ordering Example:

300-750-101 (Handle) + 300-660-005 (Outer Sheath) + 300-400-067 (Insert) = 300-420-067 (complete Instrument)*

Catalogue partition

The illustrated insert-handle combinations shown on this page only represent common standard combinations.

Ø 5 mm



1/1

Insert and Shaft

insert only

complete instrument

complete instrument

300-400-067

300-410-067

300-420-067

↑
Insert's Catalogue-No.

↑
Catalogue-No. of the complete Instrument

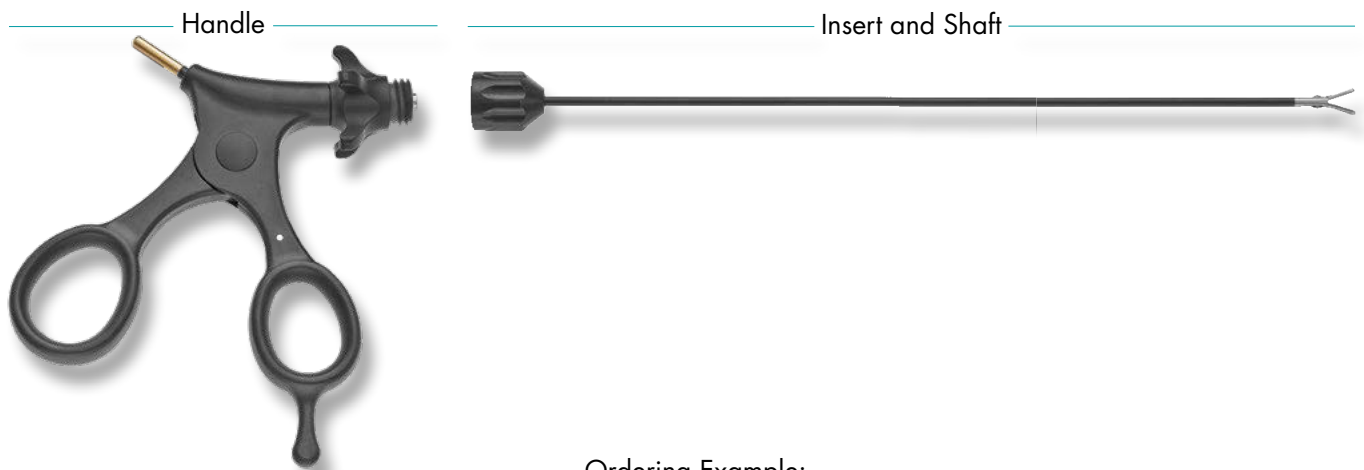
↑
Catalogue-No. of the complete Instrument

*Each piece can be ordered separately

Assembled, complete 2-piece detachable Laparoscopy Instrument



Complete 2-piece detachable Instrument consists of:



Ordering Example:

300-750-101 (Handle) + 300-500-017 (Insert and Shaft) = 300-510-017 (complete Instrument)*

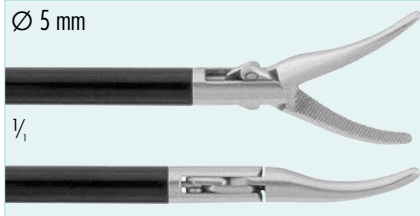
Catalogue partition

The illustrated insert-handle combinations shown on this page only represent common standard combinations.

	insert and shaft	complete instrument
	300-500-017	300-510-017
	↑	↑
	Insert and Shaft Catalogue-No.	Catalogue-No. of the complete Instrument
		↑
		Catalogue-No. of the complete Instrument

<p>∅ 3.5 mm</p> <p>1/4</p> <p>Insert and Shaft (1-Piece)</p>		
--	--	--

*Each piece can be ordered separately



Ø 5 mm

1/1

Cataloge-No. for insert only

300-400-732



Complete Instrument
with handle 300-750-001

300-410-732

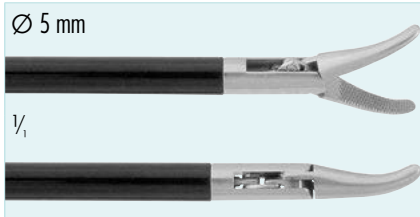


Complete Instrument
with handle 300-750-101

300-420-732

KELLY

Dissecting forceps curved, slightly tapered, cross-serrated jaws, wide opening, double action, Ø 5 mm, 330 mm



Ø 5 mm

1/1

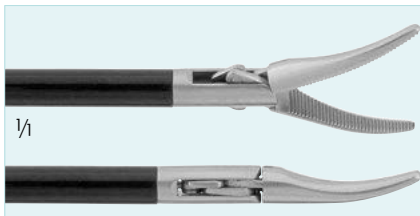
300-400-733

300-410-733

300-420-733

BABY KELLY

Short dissecting and suturing forceps, curved, tapered, cross-serrated jaws, wide opening, double action, Ø 5 mm, 330 mm



1/1

300-400-731

300-410-731

300-420-731

MARYLAND

Extra fine dissector with slightly tapered tip and gently curved for precise dissection, Ø 5 mm, 330 mm



Ø 5 mm

1/1

300-400-738

300-410-738

300-420-738

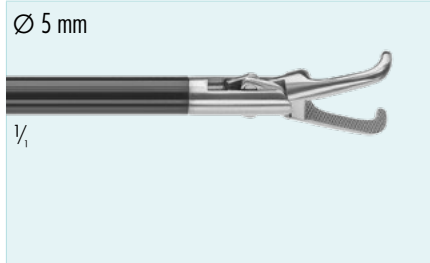
MIXTER

Fine dissecting forceps, 90° angled, fine serrated jaws, double action, Ø 5 mm, 330 mm



DISSECTING

Dissecting Forceps



insert only

300-400-735



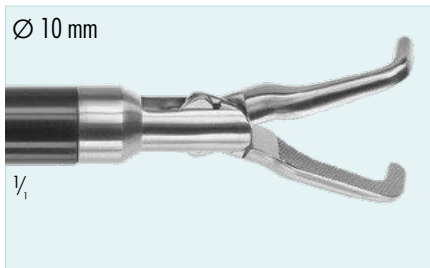
300-410-735



300-420-735

RIGHT ANGLE

Dissecting grasping forceps, fine serrated jaws, double action, Ø 5 mm, 330 mm



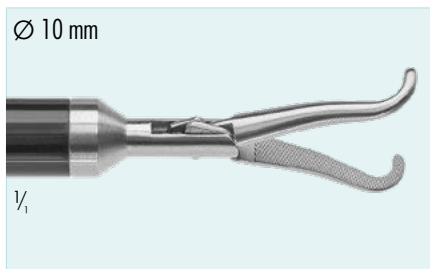
300-400-736

300-410-736

300-420-736

RIGHT ANGLE

Dissecting grasping forceps, fine serrated jaws, double action, Ø 10 mm, 330 mm



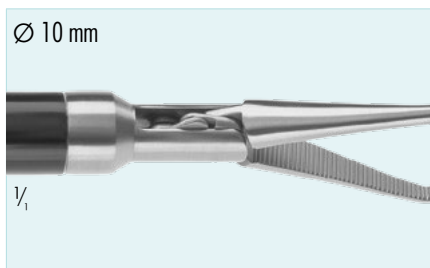
300-400-741

300-410-741

300-420-741

OVERHOLT

Dissecting forceps 90° angled jaws, double action, Ø 10 mm, 330 mm



300-400-740

300-410-740

300-420-740

MIXTER

Dissecting forceps, 10 mm long tip, 90° angled jaws, double action, Ø 10 mm, 330 mm



300-400-027

300-410-027

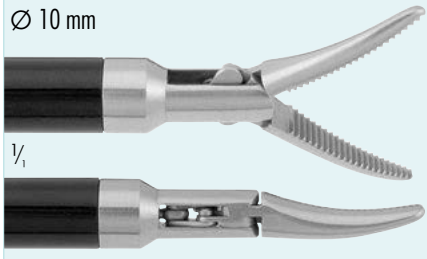
300-420-027

PETELIN

Dissecting forceps, single action jaws, angled 60° left. deep serrations, Ø 5 mm, 330 mm



insert only

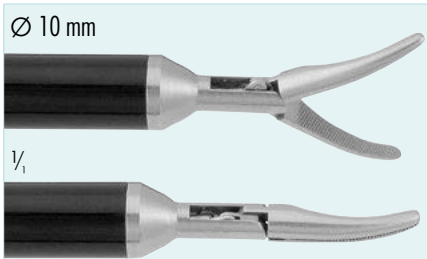


300-400-730

300-410-730

300-420-730

MARYLAND
Dissecting forceps curved left, blunt jaws, double action, Ø 10 mm, 330 mm

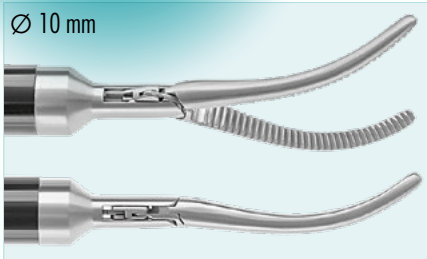
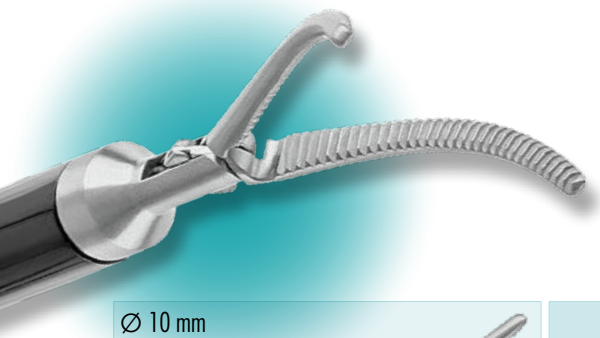


300-400-734

300-410-734

300-420-734

MIXTER 45°
Dissecting forceps curved with long fine serrated jaws, double action, Ø 10 mm, 330 mm

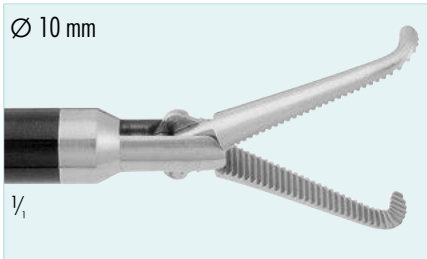


300-400-737

300-410-737

300-420-737

OVERHOLT-MIXTER
Dissecting forceps curved with slim long serrated jaws, double action, Ø 10 mm, 330 mm



300-400-739

300-410-739

300-420-739

MIXTER 90°
Dissecting forceps 90° angled, serrated jaws, double action, Ø 10 mm, 330 mm



insert only

300-400-044



300-410-044



300-420-044

ADHESION FORCEPS

Serrated jaws, one fenestrated, double action, Ø 5 mm, 330 mm



300-400-109

300-410-109

300-420-109

GRASPING FORCEPS

1x2 teeth, single action, Ø 5 mm, 330 mm



300-400-251

300-410-251

300-420-251

BABCOCK

Grasping forceps, single action, Ø 5 mm, 330 mm



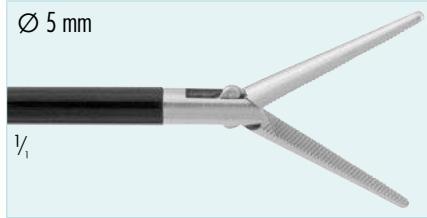
300-400-023

300-410-023

300-420-023

JOHANS

Grasping forceps, fenestrated jaws, serrated, 12mm, single action, Ø 5 mm, 330 mm



insert only

300-400-016



300-410-016



300-420-016

NEEDLE NOSE

Dissecting and grasping forceps with tapered and fine, cross-serrated jaws, double action, Ø 5 mm, 330 mm



300-400-003

300-410-003

300-420-003

NEEDLE NOSE

Dissecting and grasping forceps with tapered and fine, cross-serrated jaws, single action, Ø 5 mm, 330 mm



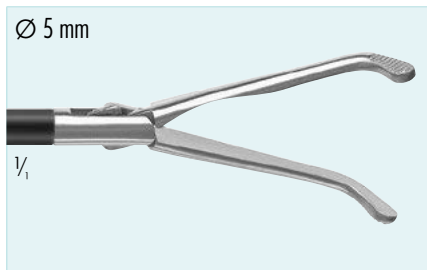
300-400-040

300-410-040

300-420-040

FENESTRATED BULLNOSE

Dissecting and grasping forceps with delicate, fenestrated and flat jaws, deep serration, double action, Ø 5 mm, 330 mm



300-400-610

300-430-610

300-440-610

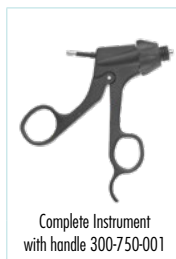
PYLORUS

Spreader, double action, Ø 5 mm, 330 mm

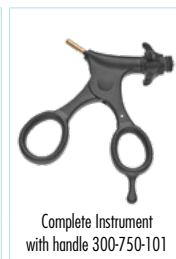


insert only

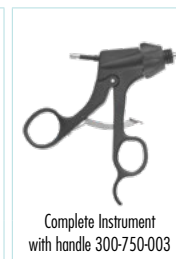
300-400-025



300-410-025



300-420-025



300-430-025



300-440-025

DOLPHIN

Dissecting and grasping forceps with biopsy cup and fine serrated and tapered jaws, double action, Ø 5 mm, 330 mm

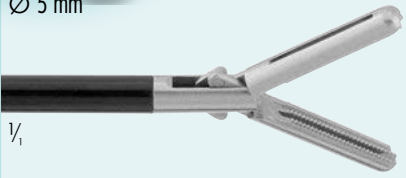


GRASPING

Grasping Forceps



Ø 5 mm



1/1

insert only

300-400-012



Complete Instrument
with handle 300-750-003

300-430-012

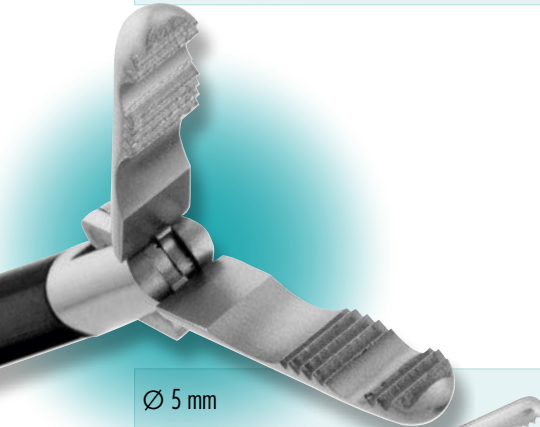


Complete Instrument
with handle 300-750-103

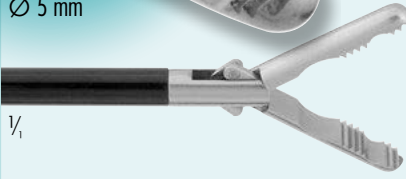
300-440-012

JAEGER

Grasping forceps with fenestrated jaws, DeBaKey serration, 20 mm, double action, Ø 5 mm, 330 mm



Ø 5 mm



1/1

300-400-015

300-430-015

300-440-015

FUNDUS

Grasping forceps with 2 cups and serrated jaws, double action, Ø 5 mm, 330 mm

Ø 5 mm



1/1

300-400-005

300-430-005

300-440-005

BULLDOG

Grasping forceps with fine serrated jaws, single action, Ø 5 mm, 330 mm

Ø 5 mm



1/1

300-400-021


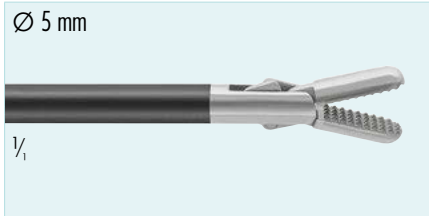

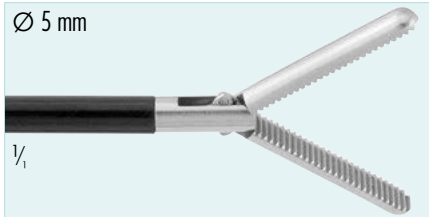

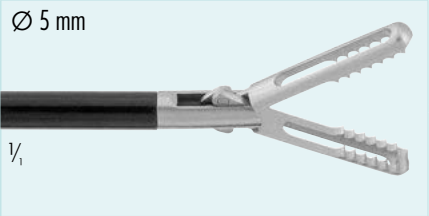
300-430-021

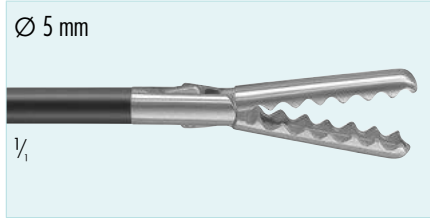
300-440-021




DOLPHIN

Grasping and dissecting forceps with fine serrated tapered jaws, double action, Ø 5 mm, 330 mm

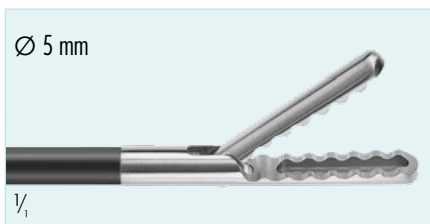


	insert only	Complete Instrument with handle 300-750-003	Complete Instrument with handle 300-750-103	Complete Instrument with handle 300-750-105
 <p>Ø 5 mm 1/1</p>	300-400-001	300-430-001	300-440-001	300-460-001
BULLNOSE Grasping forceps, heavy pattern, standard serrated jaws, double action, Ø 5 mm, 330 mm				
 <p>Ø 5 mm 1/1</p>	300-400-008	300-430-008	300-440-008	300-460-008
STRONG TC GRASPER Grasping forceps with Tungsten Carbide jaw inserts, heavy pattern, pyramidal tip, serrated jaws, double action, Ø 5 mm, 330 mm				
 <p>Ø 5 mm 1/1</p>	300-400-029	300-430-029	300-440-029	300-460-029
STRONG TC GRASPER Grasping forceps with Tungsten Carbide jaw inserts, heavy pattern, pyramidal tip, serrated, 15 mm long jaws, double action, Ø 5 mm, 330 mm				
 <p>Ø 5 mm 1/1</p>	300-400-002	300-430-002	300-440-002	300-460-002
XL BULLNOSE Grasping forceps, standard serrated jaws, double action, Ø 5 mm, 330 mm				
 <p>Ø 5 mm 1/1</p>	300-400-000	300-430-000	300-440-000	300-460-000
STANDARD Grasping forceps with biopsy cup, heavy pattern, standard serrated jaws, double action, Ø 5 mm, 330 mm				
 <p>Ø 5 mm 1/1</p>	300-400-017	300-430-017	300-440-017	300-460-017
GRIPPER #1 Grasping forceps with coarse-serrated, fenestrated jaws, double action, Ø 5 mm, 330 mm				



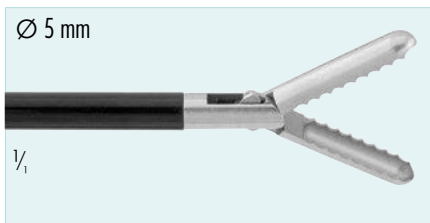
insert only	 Complete Instrument with handle 300-750-003	 Complete Instrument with handle 300-750-103	 Complete Instrument with handle 300-750-105
300-400-013	300-430-013	300-440-013	300-460-013

PRESTIGE
Atraumatic grasping forceps with long, wave shaped jaws and deep cup with lateral serration, double action, Ø 5 mm, 330 mm



300-400-033	300-430-033	300-440-033	300-460-033
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PRESTIGE
Grasping Forceps, wave-shaped lateral serration, and deep cup, single action, atraumatic, Ø 5 mm, 330 mm

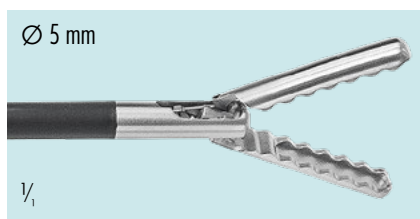


300-400-053	300-430-053	300-440-053	300-460-053
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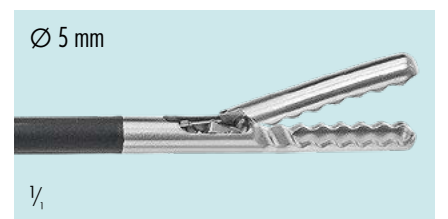
ALLIGATOR
Grasping forceps with fine sharp lateral teeth and deep cup, double action, Ø 5 mm, 330 mm

NON-DETACHABLE PRESTIGE FORCEPS

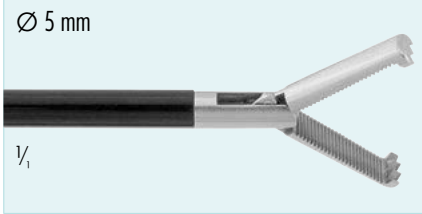




Complete Instrument, rotating, insulated, with prestige handle and Luer-Lock connection, 330mm working length



300-111-013
Double action jaws



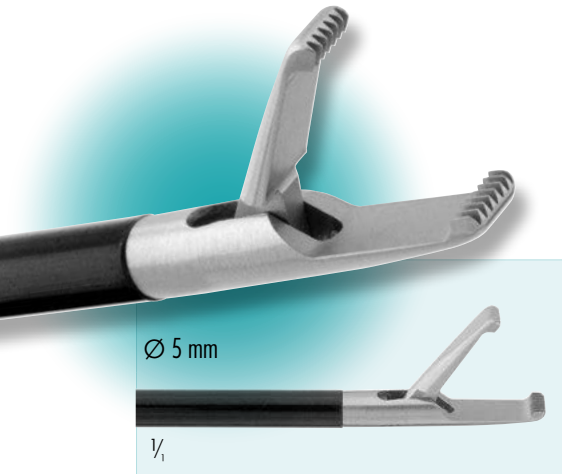
300-111-033
Single action jaws

	insert only	Complete Instrument with handle 300-750-003	Complete Instrument with handle 300-750-103	Complete Instrument with handle 300-750-105
 <p>Ø 5 mm 1/1</p> <p>KOCHER Grasping forceps with aggressive 3 x 4 teeth and serrated inner jaws, double action, Ø 5 mm, 330 mm</p>	300-400-004	300-430-004	300-440-004	300-460-004
 <p>Ø 5 mm 1/1</p> <p>KOCHER Grasping forceps with aggressive 2 x 4 teeth and serrated inner jaws, single action, Ø 5 mm, 330 mm</p>	300-400-006	300-430-006	300-440-006	300-460-006
 <p>Ø 5 mm 1/1</p> <p>ALLIS Grasping forceps with 1 x 2 teeth and smooth inner jaws, single action, Ø 5 mm, 330 mm</p>	300-400-014	300-430-014	300-440-014	300-460-014
 <p>Ø 5 mm 1/1</p> <p>ALLIS Grasping forceps with 1 x 2 teeth and serrated inner jaws, double action, Ø 5 mm, 330 mm</p>	300-400-009	300-430-009	300-440-009	300-460-009
 <p>Ø 5 mm 1/1</p> <p>COBRA Grasping forceps with sharp 2 x 4 teeth and serrated inner jaws, double action, Ø 5 mm, 330 mm</p>	300-400-201	300-430-201	300-440-201	300-460-201



GRASPING

Grasping Forceps



Ø 5 mm

1/1

insert only

300-400-011



Complete Instrument with handle 300-750-003

300-430-011



Complete Instrument with handle 300-750-103

300-440-011



Complete Instrument with handle 300-750-105

300-460-011

MARTIN

Grasping forceps with multiple fine serrations, 4.8 mm wide jaws, single action, Ø 5 mm, 330 mm



Ø 5 mm

1/1

300-400-713

300-430-713

300-440-713

300-460-713

CLAW GRASPER

Grasping forceps, aggressive 2 x 3 teeth and smooth inner jaws, single action, Ø 5 mm, 330 mm

300-401-713

300-431-713

300-441-713

300-461-713

CLAW GRASPER

Grasping forceps, aggressive 2 x 3 teeth and smooth inner jaws, single action, Ø 5 mm, 450 mm



Ø 10 mm

1/1

300-400-710

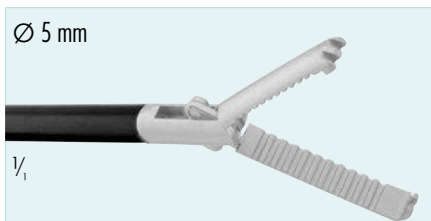
300-430-710

300-440-710

300-460-710

CLAW GRASPER

Grasping forceps, aggressive 2 x 3 teeth and smooth inner jaws, single action, Ø 10 mm, 330 mm



Ø 5 mm

1/1

300-400-717

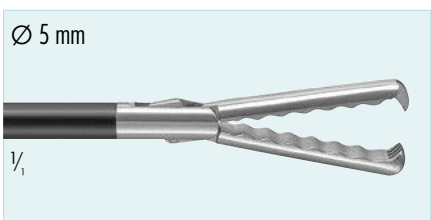
300-430-717

300-440-717

300-460-717

DAVIS

Grasping forceps, blunt interlocking 2 x 3 teeth and long ridged inner jaws, double action, Ø 5 mm, 330 mm



Ø 5 mm

1/1

300-400-715

300-430-715

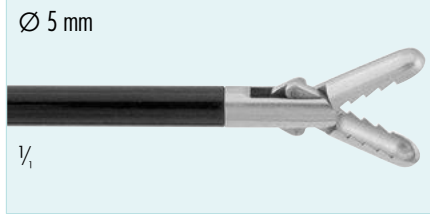
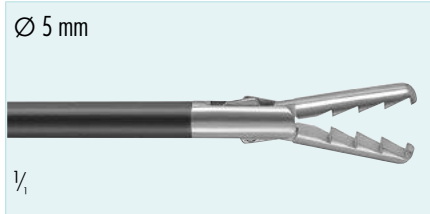
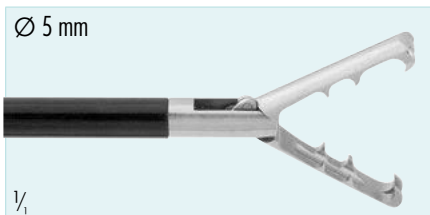
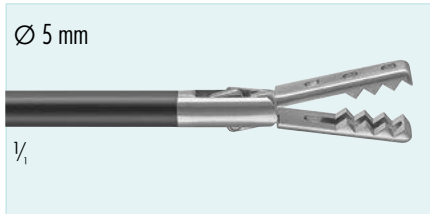
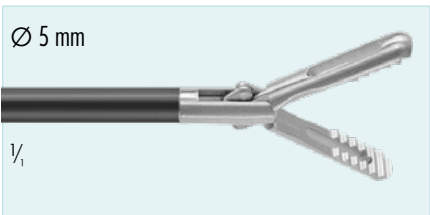
300-440-715

300-460-715

ST. ANDREWS

Grasping forceps, with sharp 2 x 4 teeth and wave shaped inner jaws, double action, Ø 5 mm, 330 mm



	insert only	Complete Instrument with handle 300-750-003	Complete Instrument with handle 300-750-103	Complete Instrument with handle 300-750-105
 <p>Ø 5 mm 1/1</p>	300-400-051	300-430-051	300-440-051	300-460-051
<p>ALLIGATOR SPOON Grasping forceps with cupped jaws, aggressive retrograde lateral teeth, double action, Ø 5 mm, 330 mm</p>				
 <p>Ø 5 mm 1/1</p>	300-400-010	300-430-010	300-440-010	300-460-010
<p>ALLIGATOR Grasping forceps with strong retrograde serrations, double action, Ø 5 mm, 330 mm</p>				
 <p>Ø 5 mm 1/1</p>	300-400-048	300-430-048	300-440-048	300-460-048
<p>SHARK Grasping forceps with very sharp and aggressive lateral retrograde teeth, double action, Ø 5 mm, 330 mm</p>				
 <p>Ø 5 mm 1/1</p>	300-400-018	300-430-018	300-440-018	300-460-018
<p>CLINCH Grasping forceps with strong serration and fenestrated jaws, double action, Ø 5 mm, 330 mm</p>				
 <p>Ø 5 mm 1/1</p>	300-400-049	300-430-049	300-440-049	300-460-049
<p>ENDOCLINCH Grasping forceps, wave-shaped, fenestrated, double action, Ø 5 mm, 330 mm</p>				



GRASPING

Grasping Forceps



insert only

300-400-042



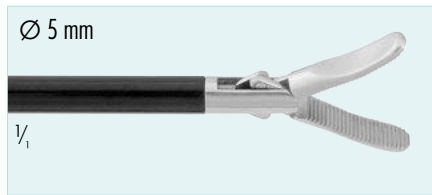
300-410-042



300-420-042

PIN GRASPER

Grasping Forceps with fine 1x2 teeth, smooth inner jaws, double action, Ø 5 mm, 330 mm



300-400-045

300-410-045

300-420-045

OVARY

Grasping forceps with fine serrated, wave shaped jaws, double action, Ø 5 mm, 330 mm



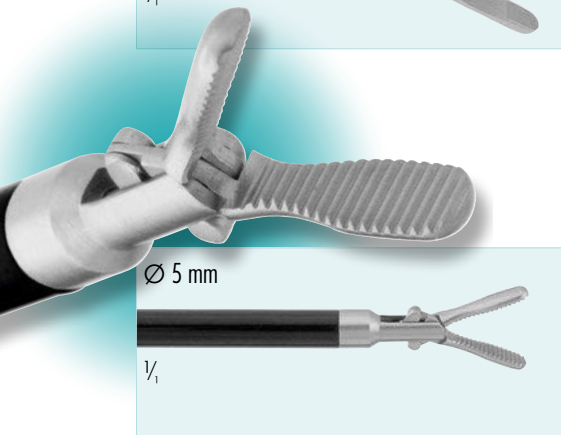
300-400-046

300-410-046

300-420-046

TUBAL

Dissecting and grasping forceps with smooth jaws, double action, Ø 5 mm, 330 mm



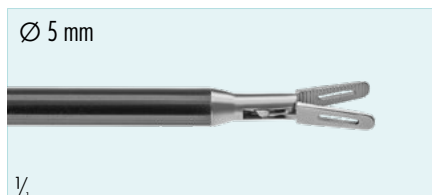
300-400-024

300-410-024

300-420-024

DUCKBILL

Grasping and dissecting forceps with flat jaws, fine serrations, double action, Ø 5 mm, 330 mm



300-400-032

300-410-032

300-420-032

PETITE

Micro Grasping Forceps, double action, fenestrated, fine jaw, fine serration



300-400-026

300-410-026

300-420-026

PETELIN

Grasping and Dissecting Forceps with serrated jaws, curved left, single action, Ø 5 mm, 330 mm



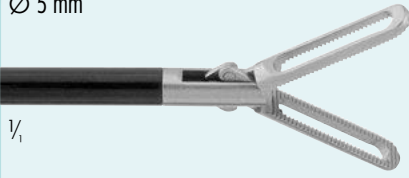
GRASPING

Grasping Forceps Fenestrated



Ø 5 mm

1/1



insert only

Complete Instrument
with handle 300-750-003

Complete Instrument
with handle 300-750-103

Complete Instrument
with handle 300-750-105

300-400-289

300-430-289

300-440-289

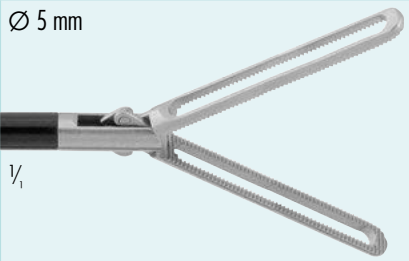
300-470-289

JOHANS

Grasping forceps with 20 mm fenestrated jaws, double action, Ø 5 mm, 330 mm

Ø 5 mm

1/1



300-400-291

300-430-291

300-440-291

300-470-291

LONG JOHANS

Grasping forceps with 40 mm fenestrated jaws, double action, Ø 5 mm, 330 mm

Ø 5 mm

1/1



300-400-285

300-430-285

300-440-285

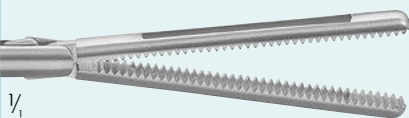
300-470-285

DORSEY

Grasping forceps with 12 mm fenestrated jaws, double action, Ø 5 mm, 330 mm

Ø 5 mm

1/1



300-400-287

300-430-287

300-440-287

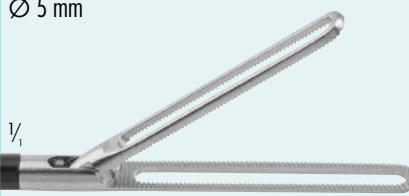
300-470-287

LONG DORSEY

Grasping forceps with 45 mm fenestrated jaws, double action, Ø 5 mm, 330 mm

Ø 5 mm

1/1



300-400-288

300-430-288

300-440-288

300-470-288

LONG JOHANS

Grasping forceps with 40 mm fenestrated jaws, single action, Ø 5 mm, 330 mm



GRASPING

Grasping Forceps Fenestrated



insert only

300-400-284



300-430-284



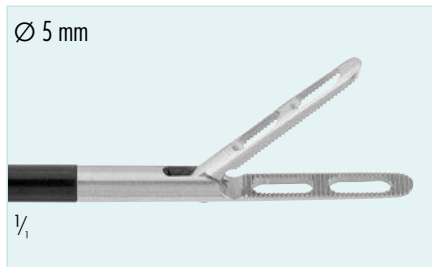
300-440-284



300-470-284

JOHANS

Grasping forceps with 20 mm fenestrated jaws, single action, Ø 5 mm, 330 mm



300-400-310

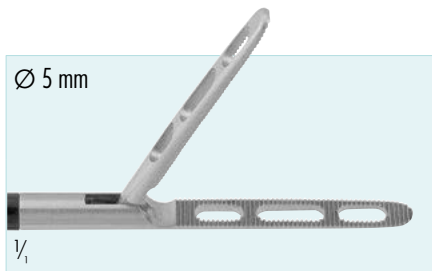
300-430-310

300-440-310

300-470-310

MARQUES

Grasping forceps with 2 fenestrations, single action, Ø 5 mm, 330 mm



300-400-312

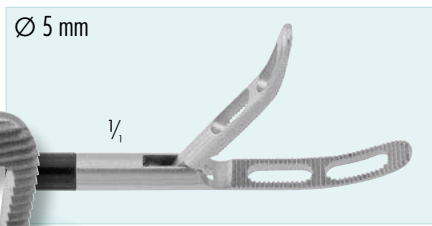
300-430-312

300-440-312

300-470-312

MARQUES

Grasping forceps with 3 fenestrations, single action, Ø 5 mm, 330 mm



300-400-314

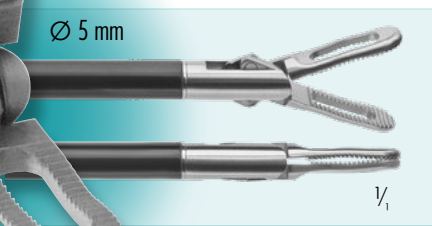
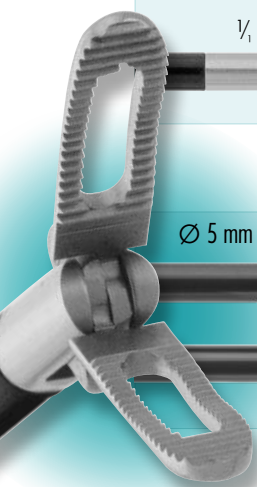
300-430-314

300-440-314

300-470-314

MARQUES

Grasping forceps with 2 fenestrations, bent up, single action, Ø 5 mm, 330 mm



300-400-052


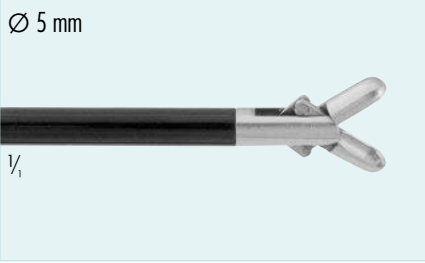
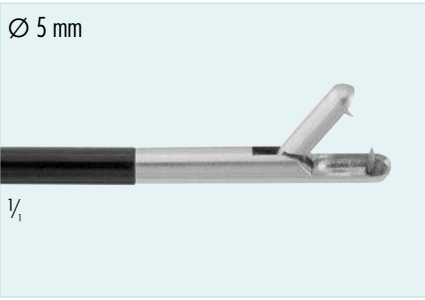

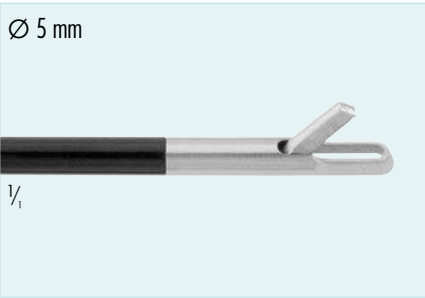
300-430-052

300-440-052

300-470-052

GRASPER

Atraumatic Grasping forceps with fenestrated jaws, fine serrations, double action, Ø 5 mm, 330 mm

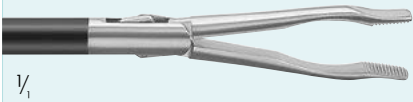
	insert only	Complete Instrument with handle 300-750-001	Complete Instrument with handle 300-750-101
<p>Ø 5 mm</p>  <p>1/1</p> <p>Biopsy forceps with 2 pinholes, sharp oval cups, double action, Ø 5 mm, 330 mm</p>	300-400-080	300-410-080	300-420-080
<p>Ø 5 mm</p>  <p>1/1</p> <p>Biopsy forceps with sharp oval cups, double action, Ø 5 mm, 330 mm</p>	300-400-082	300-410-082	300-420-082
<p>Ø 5 mm</p>  <p>1/1</p> <p>Biopsy forceps with 2 pins, sharp oval cups, single action, Ø 5 mm, 330 mm</p>	300-400-521	300-410-521	300-420-521
<p>Ø 5 mm</p>  <p>1/1</p> <p>BLAKESLEY Biopsy forceps with sharp cups, single action, Ø 5 mm, 330 mm</p>	300-400-086	300-410-086	300-420-086
<p>Ø 5 mm</p>  <p>1/1</p> <p>Hook punch forceps, thru-cutting, single action, Ø 5 mm, 330 mm</p>	300-400-100	300-410-100	300-420-100



GRASPING

Grasping Forceps

Ø 5 mm



1/1

insert only
300-400-250

Complete Instrument with handle 300-750-003
300-430-250

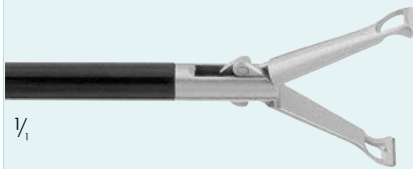
Complete Instrument with handle 300-750-103
300-440-250

Complete Instrument with handle 300-750-105
300-470-250

BABCOCK PADDLE

Grasping forceps with flat paddles and fine serration for atraumatic grip of delicate tissue, double action, Ø 5 mm, 330 mm

Ø 5 mm



1/1

300-400-252

300-430-252

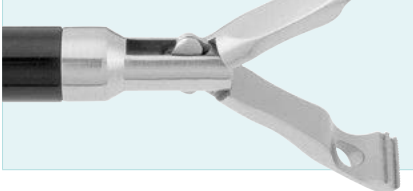
300-440-252

300-470-252

BABCOCK

Traditional style Babcock grasping forceps, rounded jaws with fine serrations, double action, Ø 5 mm, 330 mm

Ø 10 mm



300-400-079

300-430-079

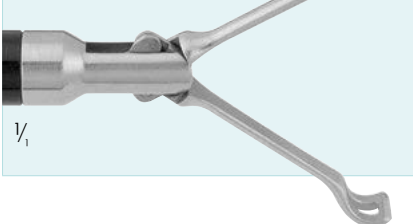
300-440-079

300-470-079

DEBAKEY BABCOCK

Traditional style Babcock grasping forceps, rounded jaws with atraumatic DeBaKey serration, double action, Ø 10 mm, 330 mm

Ø 10 mm



1/1

300-400-078

300-430-078

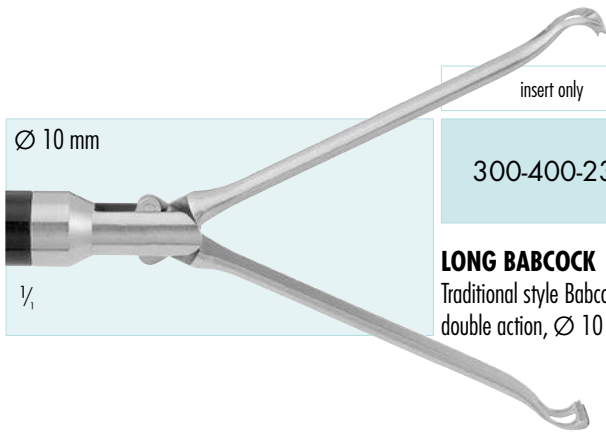
300-440-078

300-470-078

BABCOCK

Traditional style Babcock grasping forceps with medium jaws, rounded jaws with fine serrations, double action, Ø 10 mm, 330 mm





Ø 10 mm

V₁

insert only

300-400-234



Complete Instrument
with handle 300-750-003

300-430-234



Complete Instrument
with handle 300-750-103

300-440-234

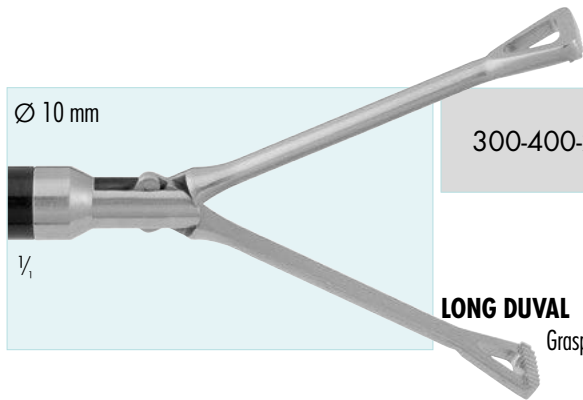


Complete Instrument
with handle 300-750-105

300-470-234

LONG BABCOCK

Traditional style Babcock grasping forceps with long jaws, rounded jaws with fine serrations, double action, Ø 10 mm, 330 mm



Ø 10 mm

V₁

300-400-280

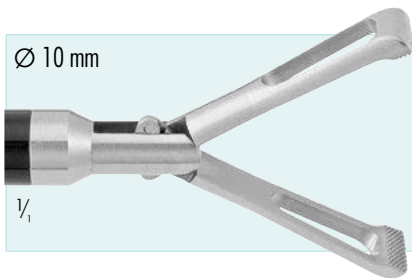
300-430-280

300-440-280

300-470-280

LONG DUVAL

Grasping forceps with long jaws, V-shaped tip with fine serrations, double action, Ø 10 mm, 330 mm



Ø 10 mm

V₁

300-400-084

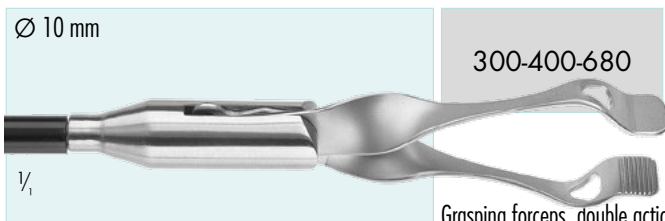
300-430-084

300-440-084

300-470-084

COLLIN-DUVAL

Grasping forceps, V-shaped tip with fine serrations on the tip, double action, Ø 10 mm, 330 mm



Ø 10 mm

V₁

300-400-680

300-430-680

300-440-680

300-470-680

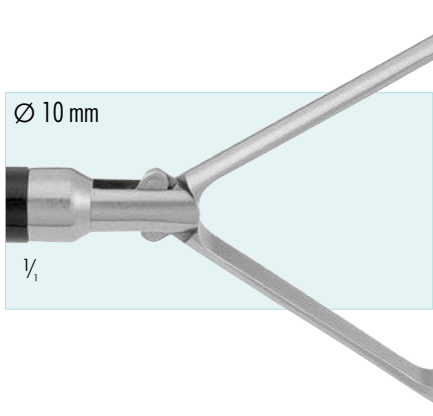



PADDLE BABCOCK

Grasping forceps, double action, Ø 10 mm, 330 mm, fitting only for shaft 300-665-210



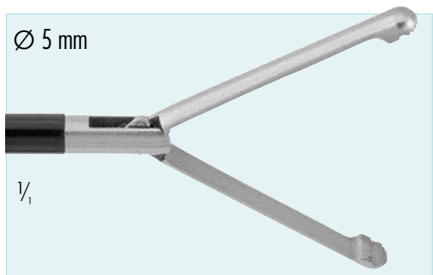
GRASPING

Grasping Forceps

 Ø 10 mm 1/1	insert only	 Complete Instrument with handle 300-750-003	 Complete Instrument with handle 300-750-103	 Complete Instrument with handle 300-750-105
	300-400-074	300-430-074	300-440-074	300-470-074

ALLIS

Traditional Allis grasping forceps, with fine serrations on the tip, double action, Ø 10 mm, 330 mm

 Ø 5 mm 1/1	300-400-097	300-430-097	300-440-097	300-470-097
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SLIM ALLIS

Grasping forceps with delicate jaws and with fine serrations on the tip, double action, Ø 5 mm, 330 mm

 Ø 5 mm 1/1	300-400-197	300-430-197	300-440-197	300-470-197
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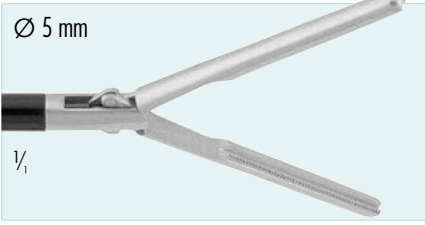



ALLIS

Bowell grasping forceps, 4 mm x 35 mm, double action, Ø 5 mm, 330 mm

 Ø 10 mm 1/1	300-400-085	300-430-085	300-440-085	300-470-085
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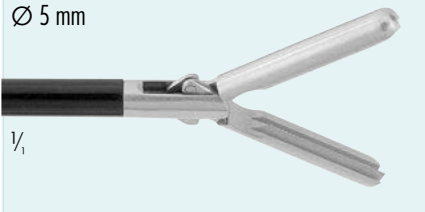
COLLIN

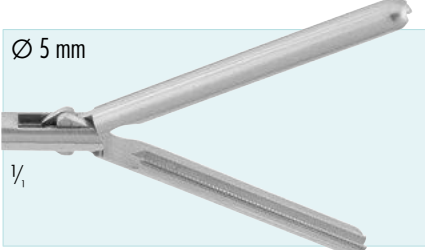
Grasping forceps, V-shaped tip with deep serrations for firm grip, double action, Ø 10 mm, 330 mm

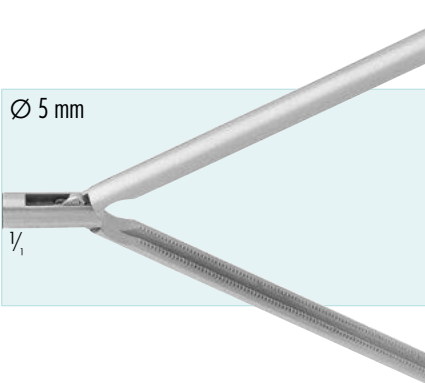
 <p>Ø 5 mm 1/1</p>	insert only	 <p>Complete Instrument with handle 300-750-003</p>	 <p>Complete Instrument with handle 300-750-103</p>	 <p>Complete Instrument with handle 300-750-105</p>
	300-400-243	300-430-243	300-440-243	300-460-243

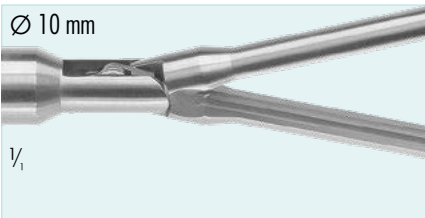
DEBAKEY

Pick-up forceps with fine 22 mm long atraumatic serrations, 38 mm jaws, double action, Ø 5 mm, 330 mm

 <p>Ø 5 mm 1/1</p>	300-400-244	300-430-244	300-440-244	300-460-244
	<p>DEBAKEY Atraumatic grasping forceps, fine atraumatic serrations, double action, 25 mm jaws, Ø 5 mm, 330 mm</p>			

 <p>Ø 5 mm 1/1</p>	300-400-245	300-430-245	300-440-245	300-460-245
	<p>DEBAKEY Atraumatic grasping forceps, fine atraumatic serrations, double action, 40 mm jaws, Ø 5 mm, 330 mm</p>			

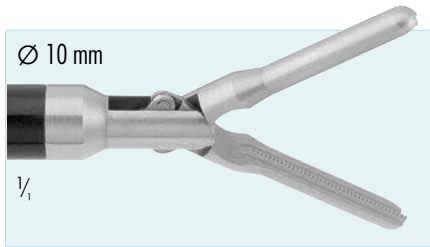
 <p>Ø 5 mm 1/1</p>	300-400-246	300-430-246	300-440-246	300-460-246
	<p>DEBAKEY Atraumatic grasping forceps, fine atraumatic serrations, double action, 60 mm jaws, Ø 5 mm, 330 mm</p>			

 <p>Ø 10 mm 1/1</p>	300-400-275	300-430-275	300-440-275	300-460-275
	<p>KOCHER Bowell forceps, 40 mm long longitudinal serrated jaws, Ø 10 mm, 330 mm</p>			



GRASPING

Grasping Forceps



Ø 10 mm

1/4

insert only
300-400-263

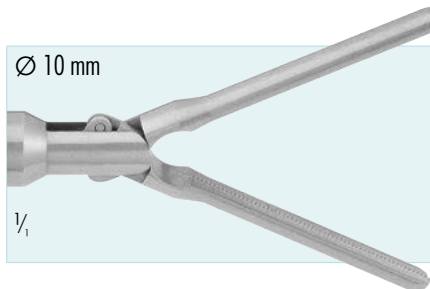
Complete Instrument with handle 300-750-003
300-430-263

Complete Instrument with handle 300-750-103
300-440-263

Complete Instrument with handle 300-750-105
300-460-263

DEBAKEY

Atraumatic grasping forceps, fine atraumatic serrations, double action, 25 mm jaws, Ø 10 mm, 330 mm



Ø 10 mm

1/4

300-400-264

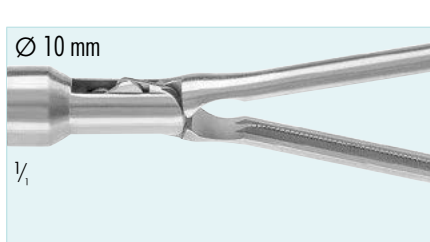
300-430-264

300-440-264

300-460-264

DEBAKEY

Atraumatic grasping forceps, fine atraumatic serrations, double action, 40 mm jaws, Ø 10 mm, 330 mm



Ø 10 mm

1/4

300-400-266

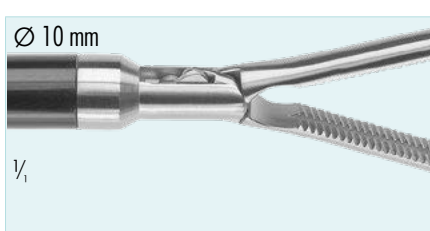
300-430-266

300-440-266

300-460-266

DEBAKEY

Atraumatic grasping forceps, fine atraumatic serrations, double action, 60 mm jaws, Ø 10 mm, 330 mm



Ø 10 mm

1/4

300-400-274

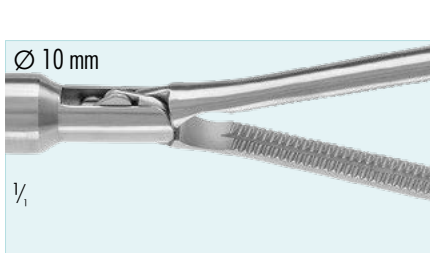
300-430-274

300-440-274

300-460-274

GLASSMAN

Grasping forceps, atraumatic serrations, double action, Ø 10 mm, 330 mm



Ø 10 mm

1/4

300-400-276

300-430-276

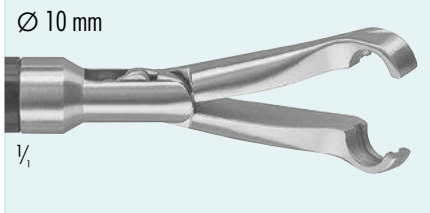
300-440-276

300-460-276

GLASSMAN

Grasping forceps with oblique, parallel serrations, double action, 60 mm jaws, Ø 10 mm, 330 mm





insert only
300-400-295



300-430-295

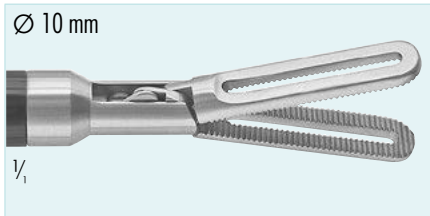


300-440-295



300-460-295

ANVIL
Grasping forceps with specially shaped jaws to grasp and hold the anvil of a circular stapler, double action, Ø 10 mm, 330 mm



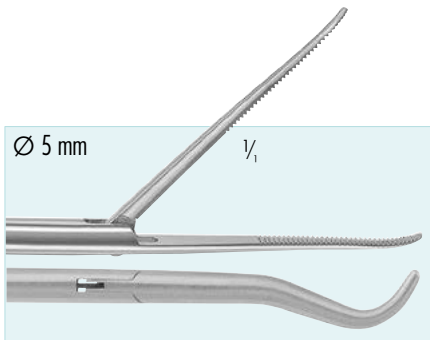
300-400-286

300-430-286

300-440-286

300-460-286

DORSEY
Grasping forceps, fenestrated jaws with medium serrations, double action, Ø 10 mm, 330 mm



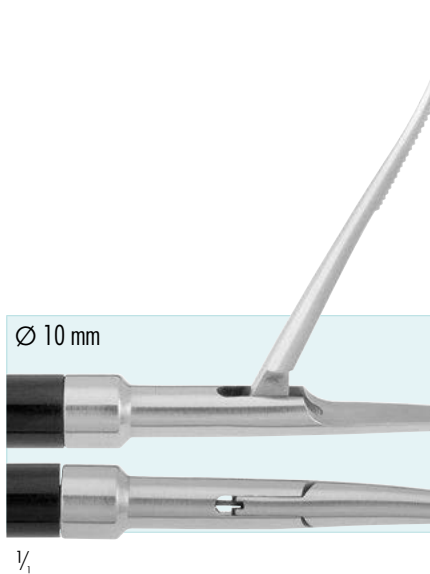
300-400-030

300-430-030

300-440-030

300-460-030

GEEGEE
Dissecting and grasping forceps with fine jaws, strongly curved and fine serrations, **single action**, Ø 5 mm, 330 mm



300-400-076

300-430-076

300-440-076

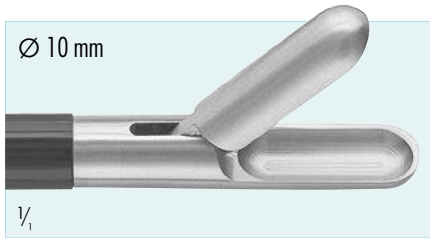
300-460-076

GEEGEE
Dissector and grasping forceps with fine jaws, strongly curved and fine serration, **single action**, Ø 10 mm, 330 mm



GRASPING

Grasping Forceps



Ø 10 mm

1/1

insert only
300-400-720

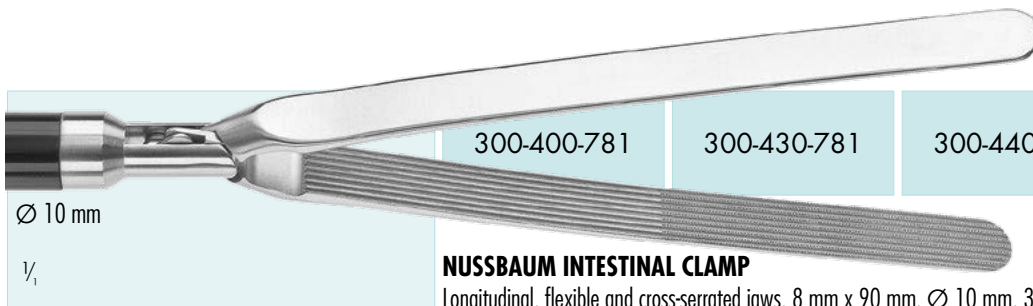
Complete Instrument with handle 300-750-003
300-430-720

Complete Instrument with handle 300-750-103
300-440-720

Complete Instrument with handle 300-750-105
300-460-720

SPOON

Forceps with sharp, cup-shaped jaws for tissue or stone removal, **single action**, Ø 10 mm, 330 mm



Ø 10 mm

1/1

300-400-781

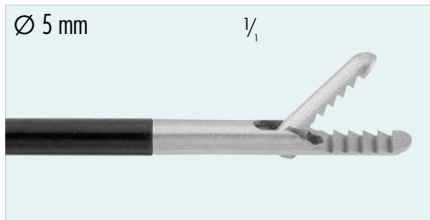
300-430-781

300-440-781

300-460-781

NUSSBAUM INTESTINAL CLAMP

Longitudinal, flexible and cross-serrated jaws, 8 mm x 90 mm, Ø 10 mm, 330 mm



Ø 5 mm

1/1

300-400-700

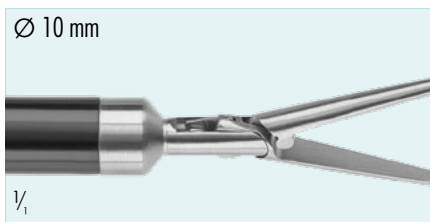
300-430-700

300-440-700

300-460-700

RETROGRADE

Grasping and extracting forceps with deep retrograde serration for a secure grip of tissue, **single action**, Ø 5 mm, 330 mm



Ø 10 mm

1/1

300-400-753

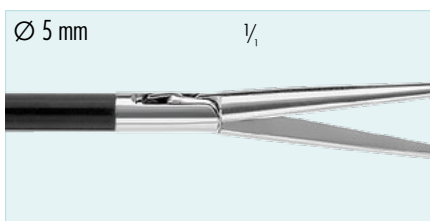
300-430-753

300-440-753

300-460-753

TENACULUM FORCEPS

35mm long jaws, **double action**, Ø 10 mm, 330 mm



Ø 5 mm

1/1

300-400-751

300-430-751

300-440-751

300-460-751

TENACULUM FORCEPS

35mm long jaws, **double action**, Ø 5 mm, 330 mm





Complete Instrument
with handle 300-750-015

insert only

Ø 5 mm

300-400-200

300-490-200

1/1

SATINSKY

Grasping Forceps, 50 mm atraumatic jaws, Ø 5 mm, 330 mm

Ø 5 mm

300-400-202

300-490-245

1/1

SATINSKY

Grasping Forceps, 40 mm atraumatic jaws, Ø 5 mm, 330 mm

Ø 5 mm

300-400-206

300-490-206

1/1

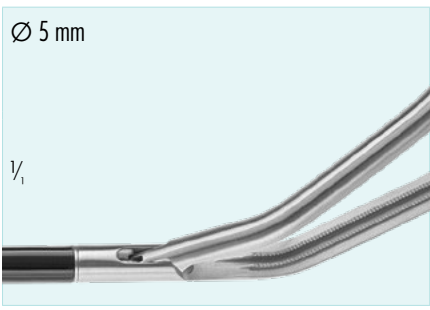
CRAFOORD


Thorax clamp, 50 mm atraumatic jaws, Ø 5 mm, 330 mm



Complete Instrument with handle 300-750-015

 <p>Ø 5 mm</p> <p>1/1</p>	insert only	300-400-204	300-490-204
	<p>CRAFOORD Thorax clamp, 35 mm atraumatic jaws, Ø 5 mm, 330 mm</p>		

 <p>Ø 5 mm</p> <p>1/1</p>	300-400-220	300-490-220
	<p>DEBAKEY Pulmonary atraumatic Clamp, curved shape, Ø 5 mm, 330 mm</p>	

 <p>Ø 5 mm</p> <p>1/1</p>	300-400-221	300-490-221
	<p>DEBAKEY Pulmonary atraumatic Clamp, s-shaped, Ø 5 mm, 330 mm</p>	



Ø 5 mm



insert only

300-400-067



300-410-067



300-420-067

ORIGINAL METZENBAUM

Scissors, short blades (12 mm), slightly curved, double action, Ø 5 mm, 330 mm

Ø 5 mm



300-400-069

300-410-069

300-420-069

METZENBAUM

Scissors, short blades (12 mm), straight, double action, Ø 5 mm, 330 mm

Ø 5 mm



300-400-172

300-410-172

300-420-172

METZENBAUM

Scissors, short, with **Diamond Dusted** blades (12 mm), curved, double action, Ø 5 mm, 330 mm

Ø 5 mm



300-400-168

300-410-168

300-420-168

METZENBAUM

Scissors, medium, with **Diamond Dusted** blades (15 mm), straight, double action, Ø 5 mm, 330 mm



SCISSORS

Scissors



insert only

300-400-072

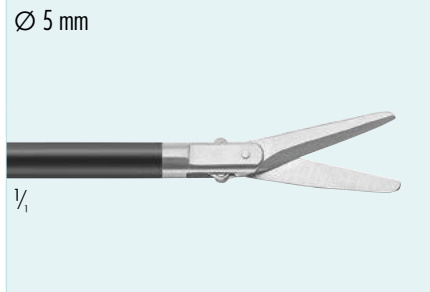


300-410-072



300-420-072

METZENBAUM
Scissors, medium blades (15 mm), slightly curved, double action, Ø 5 mm, 330 mm

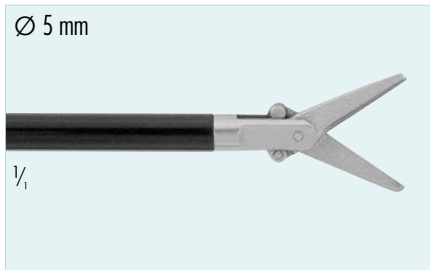


300-400-070

300-410-070

300-420-070

METZENBAUM
Scissors, long blades (18 mm), slightly curved, double action, Ø 5 mm, 330 mm

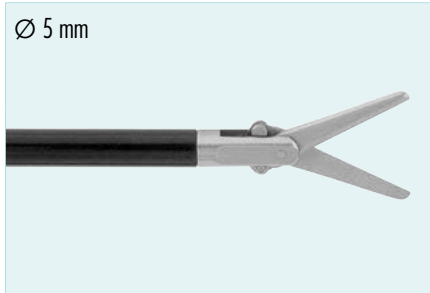


300-400-068

300-410-068

300-420-068

METZENBAUM
Scissors, medium blades (15 mm), straight, double action, Ø 5 mm, 330 mm

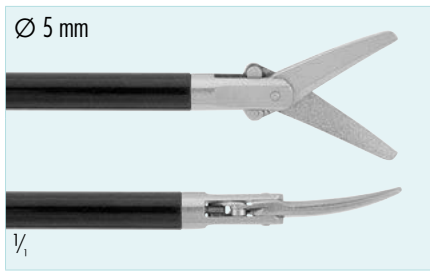


300-400-071

300-410-071

300-420-071

METZENBAUM
Scissors, long blades (18 mm), straight, double action, Ø 5 mm, 330 mm

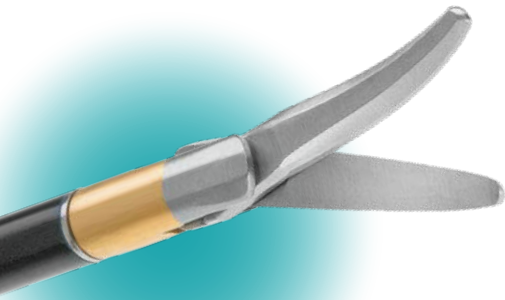


300-400-169

300-410-169

300-420-169

METZENBAUM
Scissors, medium blades (15 mm) coated with **Diamond Dust**, slightly curved, double action, Ø 5 mm, 330 mm, **DD-Coating** gives the scissors' blades a more durable cutting performance.



Ø 5 mm



1/1

insert only

300-400-170



Complete Instrument
with handle 300-750-001

300-410-170



Complete Instrument
with handle 300-750-101

300-420-170

TC METZENBAUM

Scissors, long blades (18 mm) with **Tungsten Carbide** inserts, strong curved, double action, Ø 5 mm, 330 mm

Ø 5 mm



1/1

300-400-171

300-410-171

300-420-171

TC METZENBAUM

Scissors, short blades (12 mm) with **Tungsten Carbide** inserts, slight curved, double action, Ø 5 mm, 330 mm

Ø 5 mm



1/1

300-400-180

300-410-180

300-420-180

HINGELESS TC METZENBAUM

Scissors, long blades (18 mm), curved, double action, Ø 5 mm, 330 mm, with **Tungsten Carbide** inserts
For use with shaft 300-660-015 only

Ø 5 mm



1/1

300-400-181

300-410-181

300-420-181

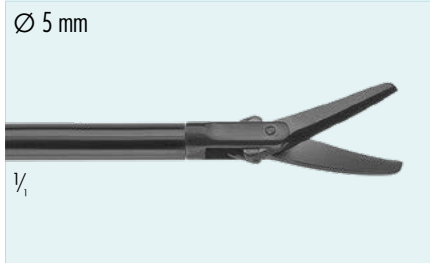
HINGELESS TC METZENBAUM

Scissors, short blades (12 mm), curved, double action, Ø 5 mm, 330 mm, with **Tungsten Carbide** inserts
For use with shaft 300-660-015 only



SCISSORS

Scissors



insert only

300-400-072CC



300-410-072CC



300-420-072CC

METZENBAUM CERA CUT®

Scissors, medium blades (15 mm) slightly curved, double action, Ø 5 mm, 330 mm



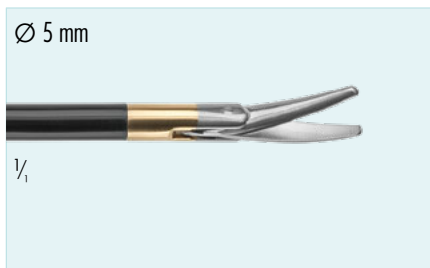
300-400-170CC

300-410-170CC

300-420-170CC

METZENBAUM TC CERA CUT®

TC Scissors, medium blades (16 mm), curved, double action, Ø 5 mm, 330 mm



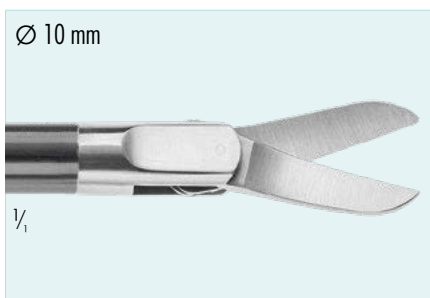
300-400-173

300-410-173

300-420-173

METZENBAUM TC

TC Scissors, medium blades (15 mm), curved, double action, Ø 5 mm, 330 mm



300-400-056

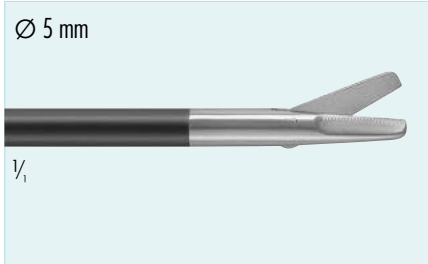
300-410-056

300-420-056

METZENBAUM

Scissors, slightly curved, double action, Ø 10 mm, 330 mm





insert only

300-400-063



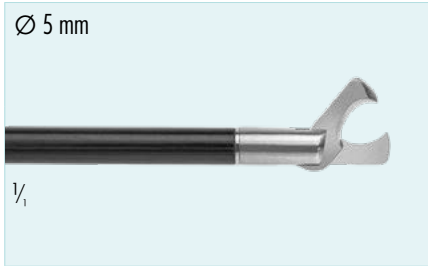
300-410-063



300-420-063

PERITONEAL

Scissors, delicate with fine serrated blades, straight, single action, Ø 5 mm, 330 mm



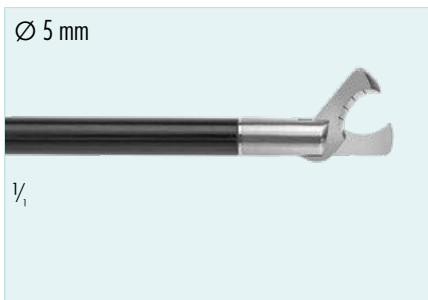
300-400-060

300-410-060

300-420-060

HOOK

Scissors with round cutting blades, single action, Ø 5 mm, 330 mm



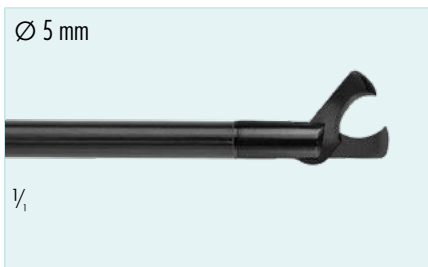
300-400-062

300-410-062

300-420-062

HOOK

Scissors with round cutting blades, fine serrated lower blade, single action, Ø 5 mm, 330 mm



300-400-060CC

300-410-060CC

300-420-060CC

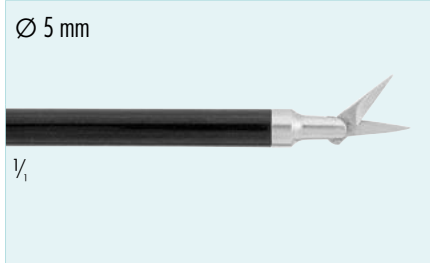
HOOK CERA CUT®

Scissors with round cutting blades, single action, Ø 5 mm, 330 mm



SCISSORS

Scissors



insert only

300-400-570



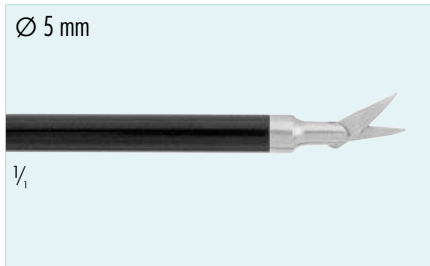
300-410-570



300-420-570

MICRO

Scissors with straight sharp blades, single action, Ø 5 mm, 330 mm



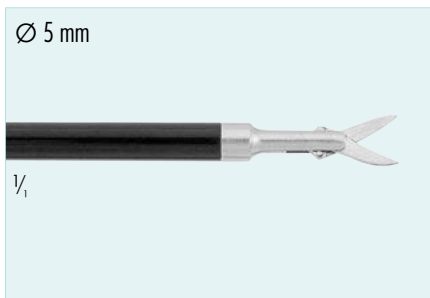
300-400-571

300-410-571

300-420-571

MICRO

Scissors with curved sharp blades, single action, Ø 5 mm, 330 mm



300-400-572

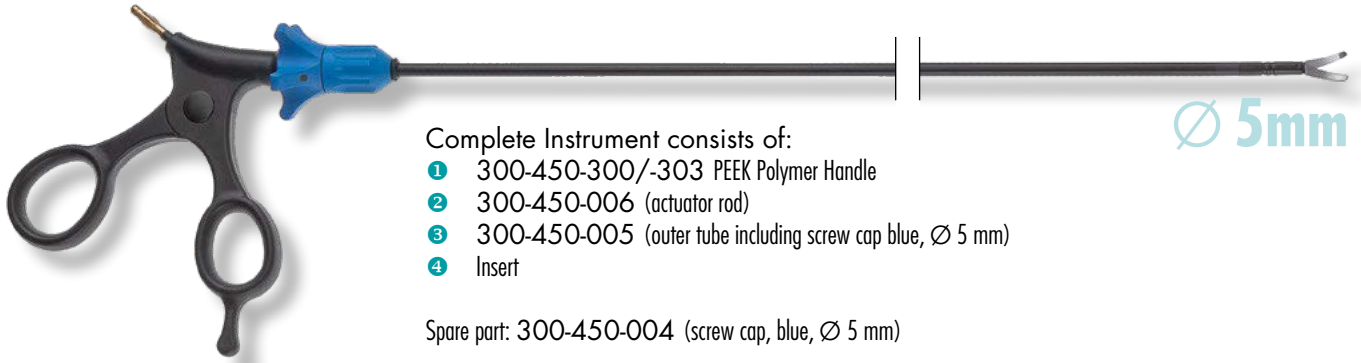
300-410-572

300-420-572

MICRO

Scissors with curved sharp blades, double action, Ø 5 mm, 330 mm





Complete Instrument consists of:

- 1 300-450-300/-303 PEEK Polymer Handle
- 2 300-450-006 (actuator rod)
- 3 300-450-005 (outer tube including screw cap blue, Ø 5 mm)
- 4 Insert

Spare part: 300-450-004 (screw cap, blue, Ø 5 mm)

Ø 5mm

1 PEEK POLYMER HANDLES



300-450-303
PEEK Polymer Handle, blue rotating wheel, with ratchet



300-450-300
PEEK Polymer Handle, blue rotating wheel



Multiple use



4 INSERTS



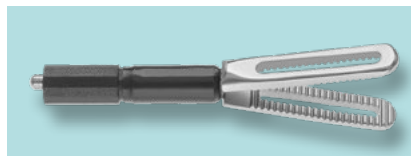
METZENBAUM SCISSORS

non-sterile, reusable, limited use

- 300-450-171 short, 10 mm, curved
- 300-450-173 long, 18 mm, curved
- 300-450-174 long, 18 mm, straight
- 300-450-176 medium, 15 mm, straight
- 300-450-177 medium, 15 mm, curved

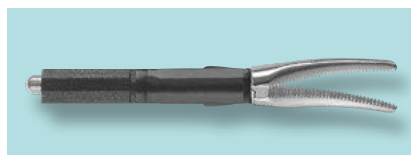
METZENBAUM SCISSORS, STERILE

- 300-450-171S short, 10 mm, curved
- 300-450-173S long, 18 mm, curved
- 300-450-177S medium, 15 mm, curved



JOHANS

- 300-450-289 non-sterile, reusable, limited use
- 300-450-289S Sterile*



MARYLAND

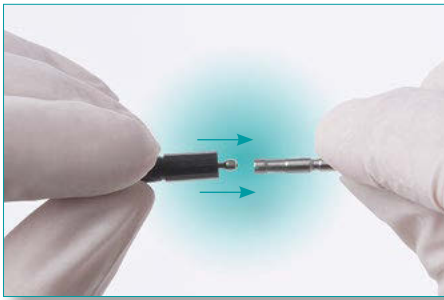
- 300-450-731 non-sterile, reusable, limited use
- 300-450-731S Sterile*



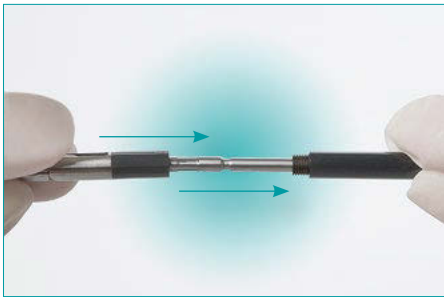
ENDOCLINCH

- 300-450-049 non-sterile, reusable, limited use
- 300-450-049S Sterile*

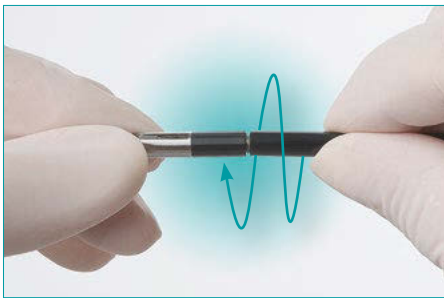
ASSEMBLY INSTRUCTIONS



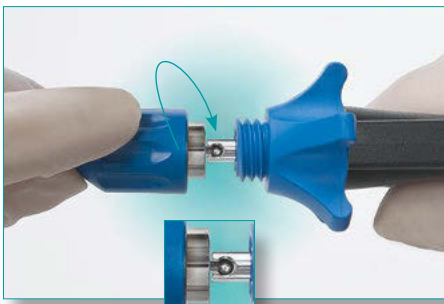
Slide the tip into the insert until it snaps into place.



Introduce the insert into the outer sheath.



Screw the insert in the outer sheath in clockwise direction.



Open the handle so that the ball receiver becomes visible. Close the insert's tip and lead the insert's ball end to the handle's receiver.



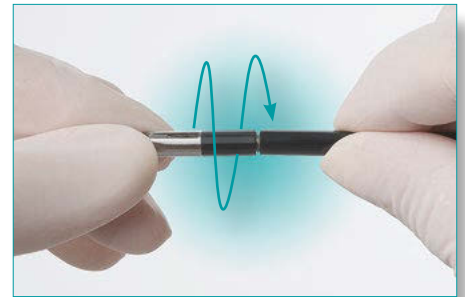
Close the handle and screw the cap on the thread of the handle.

DISASSEMBLY INSTRUCTIONS

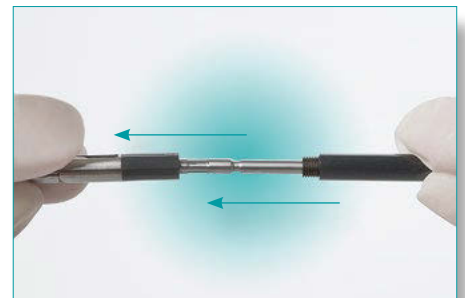
Close the handle and unscrew the cap counterclockwise. Open the handle and lift the insert from the ball receiver.



Keep holding the insert's tip and unscrew the outer sheath counterclockwise.



Take the insert out of the outer sheath.



For care and maintenance of the insert, spray the jaws with oil spray (700-900-149) after use.



FULLY DISPOSABLE LAPAROSCOPIC SCISSORS INSERTS

This brand-new system of laparoscopic scissors is a combination of disposable scissors insert, sheath and locking nut with a fully autoclavable, reusable carbon fiber handle.

Advantages:

- reusable handle fits to all RZ laparoscopic inserts
- cost - effective scissors insert



REUSABLE PART



300-661-006 Red colour coded locking nut





Metzenbaum Scissors Inserts,
Ø 5mm, 330mm working length

STERILE*, 10 pcs.

Insert only	Jaw	Length
300-600-170S	straight	10mm short
300-600-171S	curved	10mm short
300-600-173S	curved	18mm long
300-600-174S	straight	18mm long
300-600-176S	straight	15mm medium
300-600-177S	curved	15mm medium

* on request



Metzenbaum Scissors Inserts,
Ø 5mm, 330mm working length

NON-STERILE, 1 pc. (REUSABLE, limited use)

Insert only	Jaw	Length
300-600-170	straight	10mm short
300-600-171	curved	10mm short
300-600-173	curved	18mm long
300-600-174	straight	18mm long
300-600-176	straight	15mm medium
300-600-177	curved	15mm medium



CHOLANGIOGRAPHY SYSTEM



300-100-760

Cholangiography fixation clamp with channel for 6 Fr. catheters, \varnothing 5 mm, 330 mm working length, with ratchet and Luer-Lock, double action jaws



300-100-641

Cholangiography catheter, 6 Fr., for use with Cholangiography fixation clamp



300-011-500

2-way stop cock with 2 valves and luer-lock connector for use with flexible tube 300-011-501 for contrast solution



300-011-501

Flexible tube with 2 luer-lock connectors



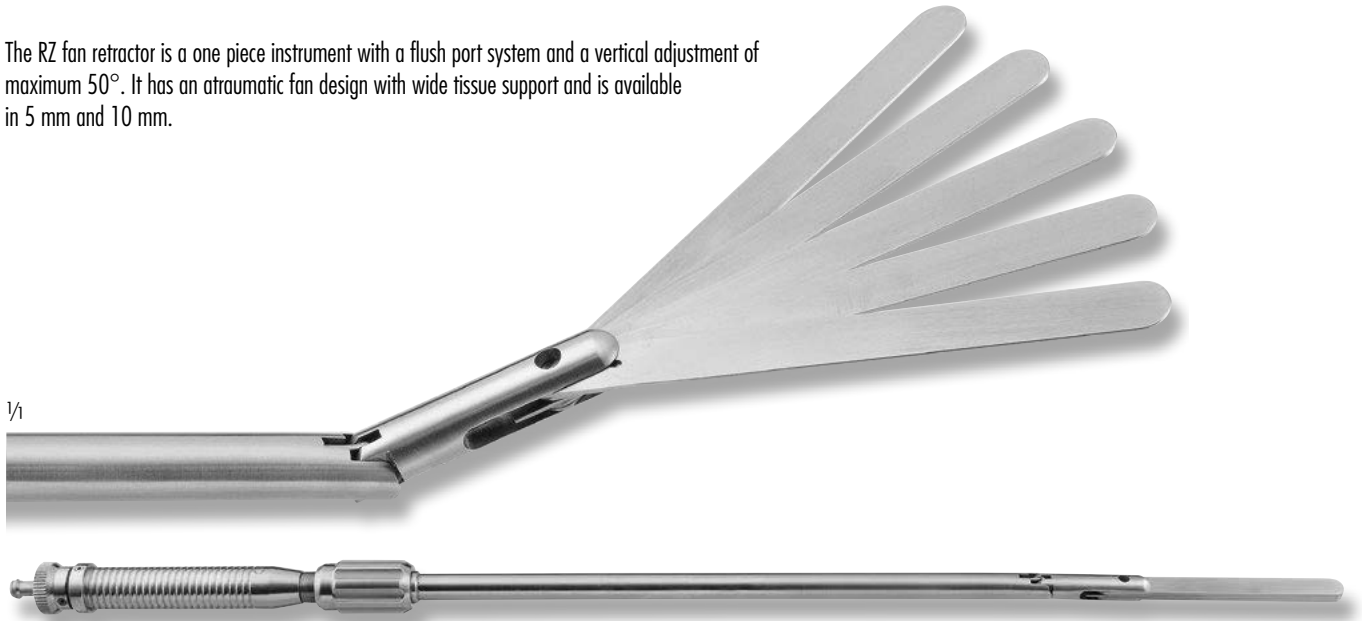
300-193-330

Guide tube for Cholangiography catheter, \varnothing 5 mm, 330 mm working length

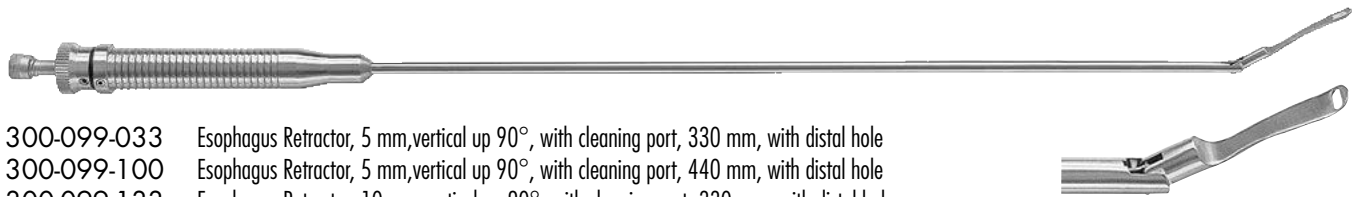


RZ FAN RETRACTOR

The RZ fan retractor is a one piece instrument with a flush port system and a vertical adjustment of maximum 50°. It has an atraumatic fan design with wide tissue support and is available in 5 mm and 10 mm.

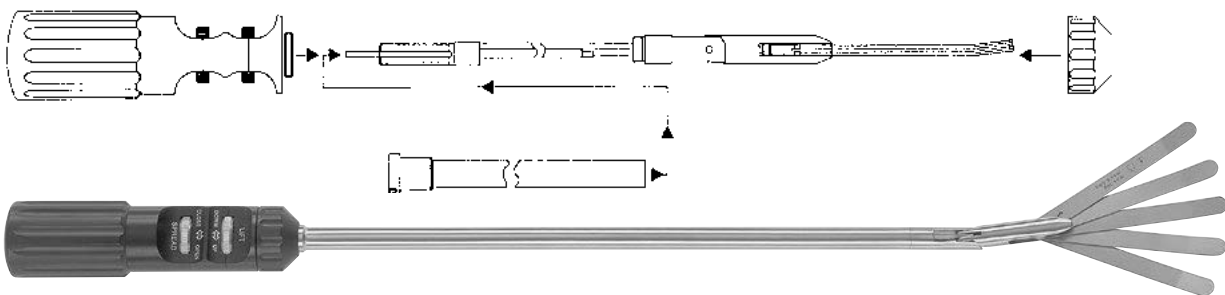


- 300-065-000 RZ Fan Retractor, 10 mm, with 5 prongs, working length 330 mm
- 300-063-000 RZ Fan Retractor, 5 mm, with 3 prongs, working length 330 mm



- 300-099-033 Esophagus Retractor, 5 mm, vertical up 90°, with cleaning port, 330 mm, with distal hole
- 300-099-100 Esophagus Retractor, 5 mm, vertical up 90°, with cleaning port, 440 mm, with distal hole
- 300-099-133 Esophagus Retractor, 10 mm, vertical up 90°, with cleaning port, 330 mm, with distal hole
- 300-099-140 Esophagus Retractor, 10 mm, vertical up 90°, with cleaning port, 440 mm, with distal hole

The advanced fan retractor is fully detachable to meet the newest cleaning and maintenance standards.



- 300-065-100 Advanced Fan Retractor, 10 mm, 5 prongs, angulation: max. 80°, spread: max. 60°, length: 330 mm

ARTICULATING LAPAROSCOPIC RETRACTORS AND BAND-PASSER

Used in the peritoneal space to retract organs and structures, these unique advanced instruments feature a slim 5mm shaft to make it easy to use with any 5.0 or 5.5mm trocar sleeve. A Luer Lock flushing port allows a thorough cleaning.



More comfortable carbon handle



Overload protection



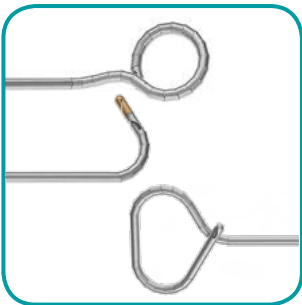
Faster opening and closing



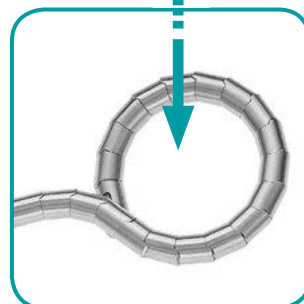
Atraumatic segments, jamming is prevented



Larger model variety



High loading capacity and stability



The nitinol wire straightens the working end to allow easy introduction and extraction

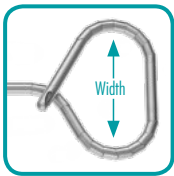




RETRACTOR

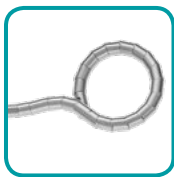
Articulating Retractor

Ø 5mm, 340mm or 450mm working length



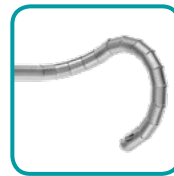
TRIANGULAR

Orientation	Width	Length	Order Number
Straight	60mm	330mm	300-069-000
	60mm	450mm	300-069-450
	80mm	330mm	300-070-000
	80mm	450mm	300-070-450
30° angled	60mm	330mm	300-072-000
	60mm	450mm	300-072-450
	80mm	330mm	300-073-000
	80mm	450mm	300-073-450



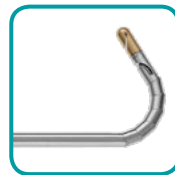
CIRCLE

Orientation	Width	Length	Order Number
Straight	40mm	340mm	300-076-001
Angled	40mm	340mm	300-076-101



HOOK

Orientation	Width	Length	Order Number
90° upwards	Curved right	340mm	300-075-001
	Curved left	340mm	300-075-002
45° angled	Curved right	340mm	300-075-101
	Curved left	340mm	300-075-102



BAND-PASSER

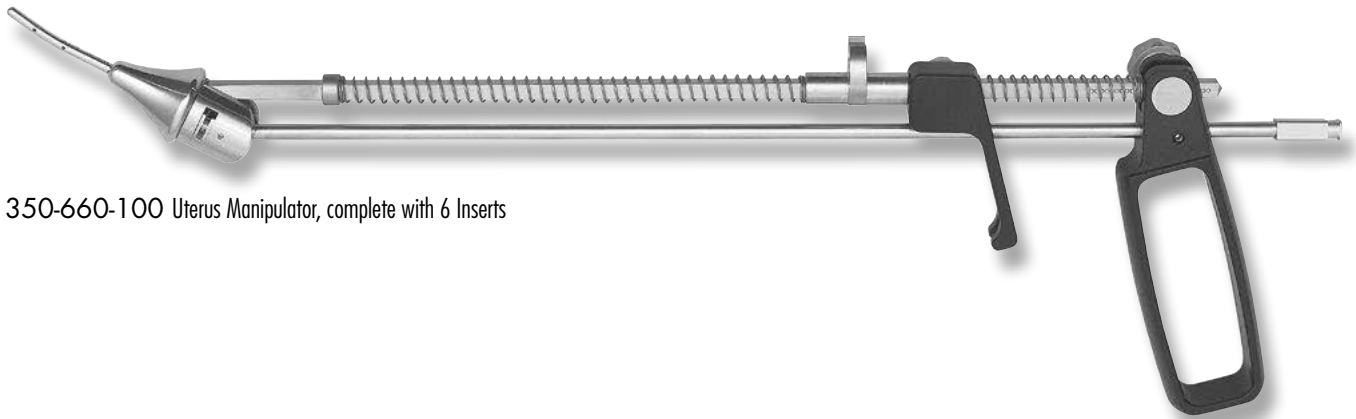
Length	Order Number
330mm	300-071-000
450mm	300-071-450



J-RETRACTOR

Length	Order Number
340mm	300-077-000





350-660-100 Uterus Manipulator, complete with 6 Inserts



350-660-111 Adaptor \varnothing 8 x 80 mm



350-660-112 Adaptor \varnothing 10 x 100 mm



350-660-113 Adaptor \varnothing 3 x 45 mm



350-660-114 Adaptor \varnothing 3 x 55 mm



350-660-115 Adaptor \varnothing 3.2 x 34 mm



350-660-116 Adaptor \varnothing 3.2 x 45 mm



350-750-000 **COHEN**

Self retaining Cannula complete with 2 interchangeable acorns

350-750-002 Acorn only, large

350-750-001 Acorn only, small



Myoma screw

- 300-032-015 Ø 5 mm, 330 mm working length
- 300-042-005 Ø 5 mm, 420 mm working length
- 300-033-010 Ø 10 mm, 330 mm working length
- 300-042-010 Ø 10 mm, 420 mm working length



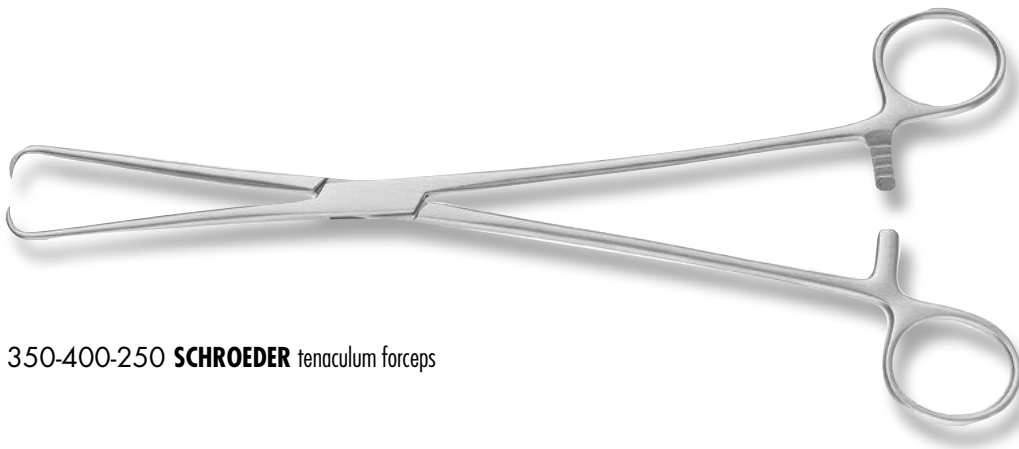
Morcellator

- 300-032-015 Ø 11 mm, 320 mm working length
- 300-250-011 Spare Cap



RZ Myoma Grasping Forceps, 330 mm working length

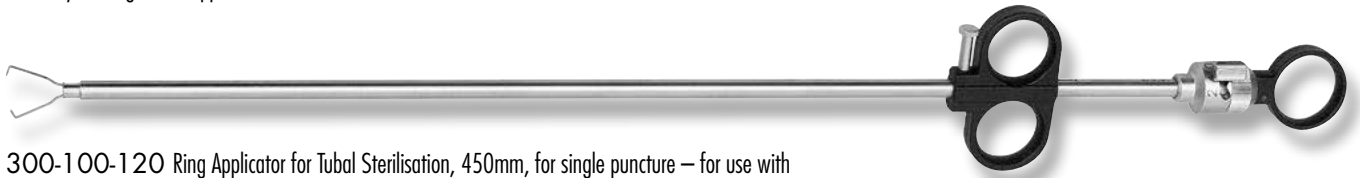
- 350-755-007 7 mm jaws
- 350-755-011 11 mm jaws
- 350-755-017 17 mm jaws



350-400-250 **SCHROEDER** tenaculum forceps

RZ RING APPLICATORS

All RZ Ring Applicators are supplied with a quick loading adaptor to ensure a fast and easy loading of the applicator.



300-100-120 Ring Applicator for Tubal Sterilisation, 450mm, for single puncture – for use with Operating Laparoscopes with \varnothing 6mm instrument channels (300-099-006 and 300-099-106).
A knurled screw is fixing the Ring Applicator securely to the telescope

300-100-122 Ring Applicator for Tubal Sterilisation, 330mm, for second puncture, for use with Trocar sleeves \varnothing 7.0mm



300-100-125 Cone for Ring Applicator

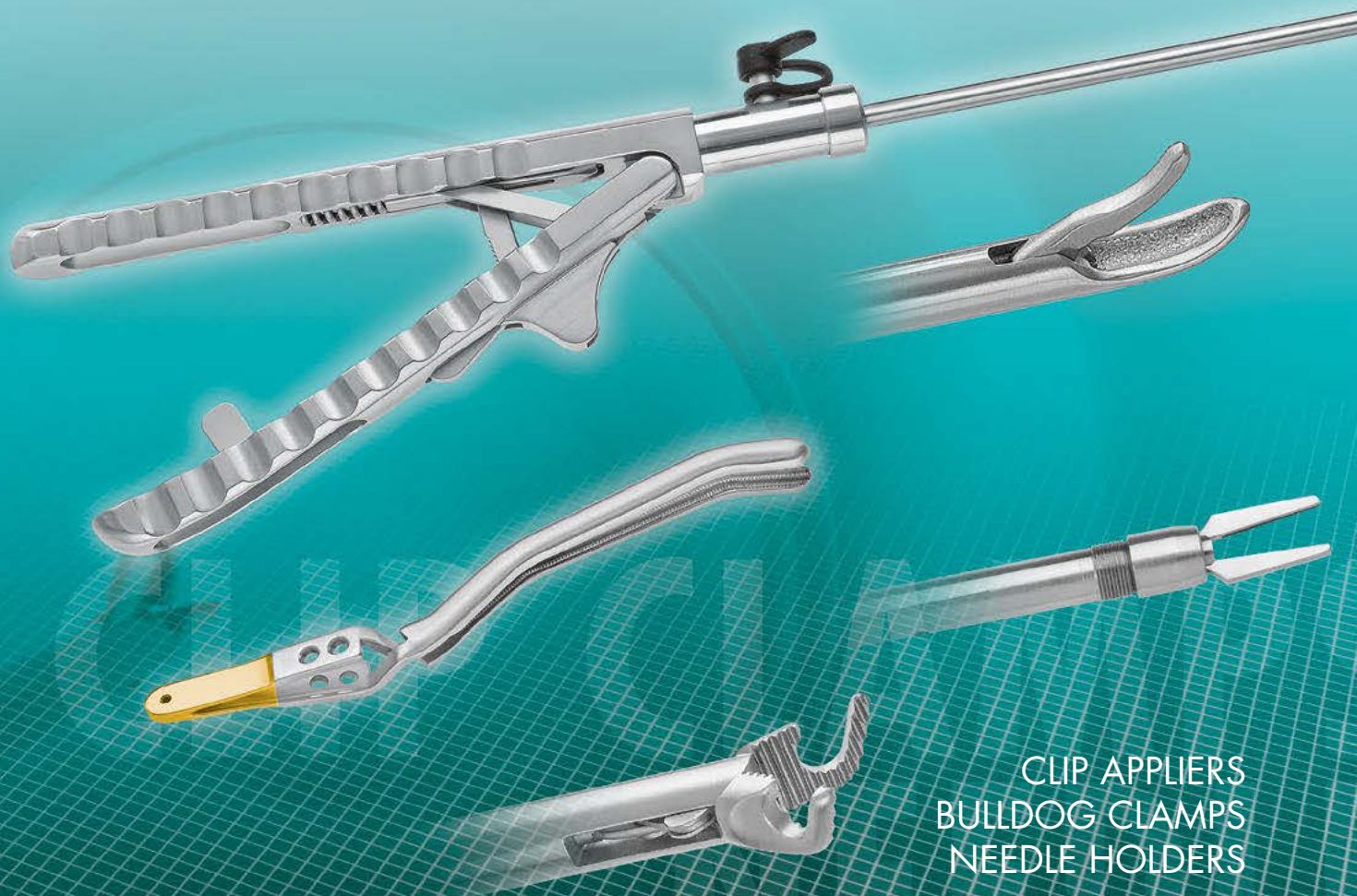


300-100-127 Loading Device for Ring Applicator



300-100-124 Plastic Rings, package of 50 pieces, autoclavable

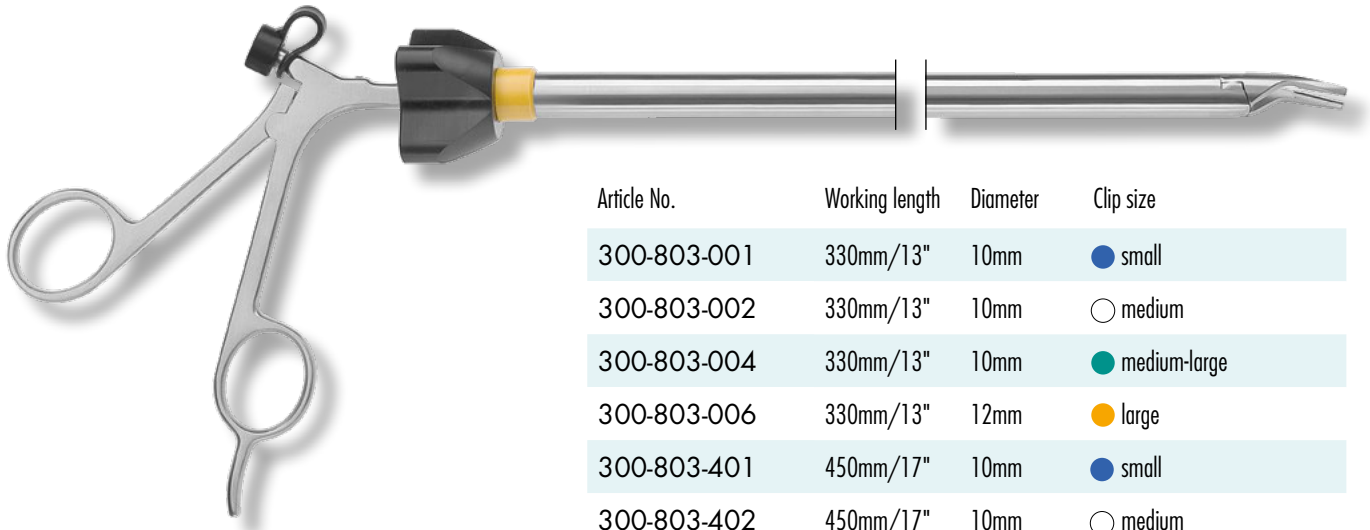
300-100-126 Plastic Rings, sterile package of 2 pieces



CLIP APPLIERS
BULLDOG CLAMPS
NEEDLE HOLDERS

ADVANCED ENDOSCOPIC RZ CLIP APPLYING FORCEPS

For laparoscopic and XXL Bariatric laparoscopic procedures



Article No.	Working length	Diameter	Clip size
300-803-001	330mm/13"	10mm	● small
300-803-002	330mm/13"	10mm	○ medium
300-803-004	330mm/13"	10mm	● medium-large
300-803-006	330mm/13"	12mm	● large
300-803-401	450mm/17"	10mm	● small
300-803-402	450mm/17"	10mm	○ medium
300-803-404	450mm/17"	10mm	● medium-large
300-803-406	450mm/17"	12mm	● large

Features of the RZ Clip Applier:

- Coloured ring indicates clip size to be used.
- Exact clip positioning in the centre of jaws, for equal pressure applied on the clips.
- 1-hand clip loading by use of narrow jaws.
- Thorough cleaning of the inner shaft via a rinsing adaptor in the rear of the handle.
- Light weight design for less strain during surgery.



Narrow jaws design



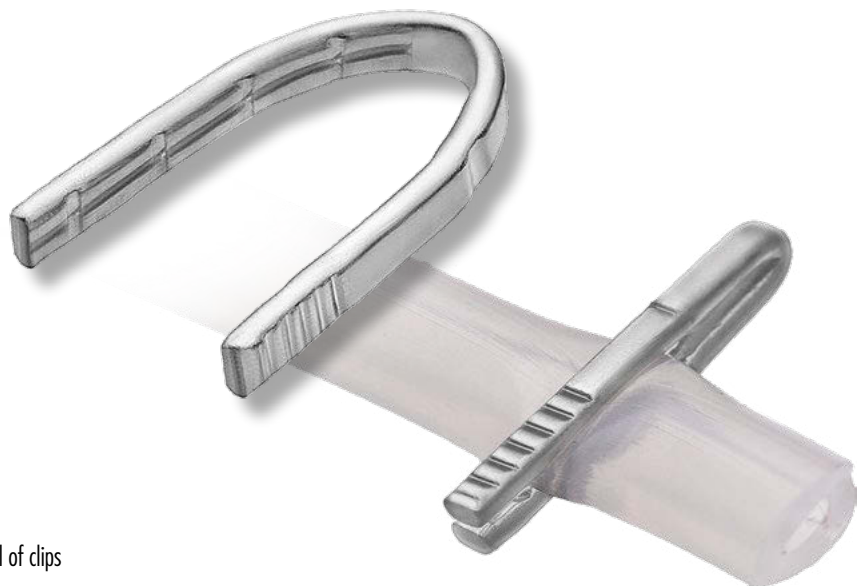
Jaws for small clips



Jaws for medium, medium-large and large clips



Safe and precise removal of clips





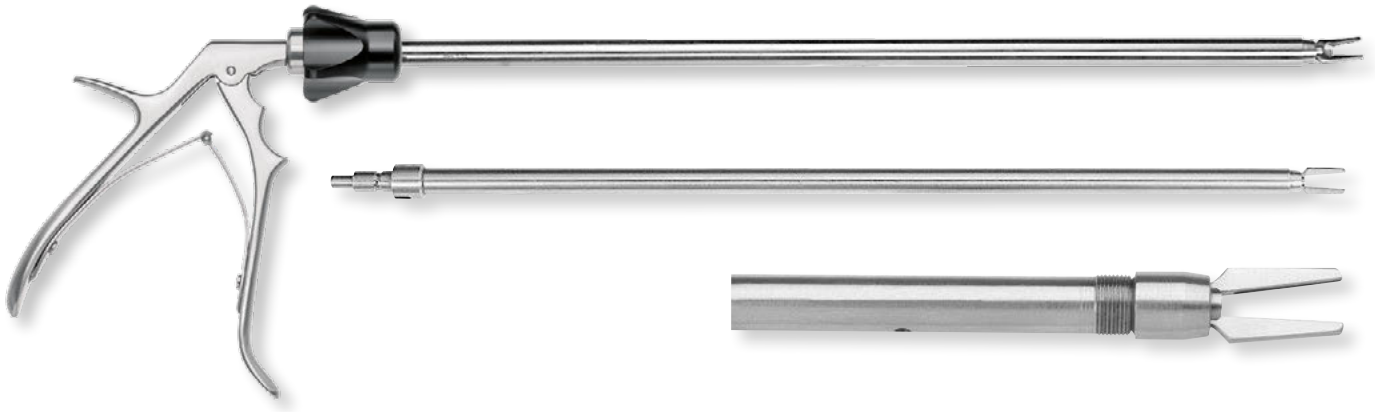
Clip applying forceps, \varnothing 10 mm, length 330 mm, 360° rotatable, with LL-rinsing channel, for TITAN-Clips

Forceps, complete	For Clips-Type
300-801-001	Ethicon - small
300-801-002	Ethicon - medium
300-801-004	Ethicon - medium-large
300-801-006	Ethicon - large
300-801-007	Pilling/Weck - small
300-801-008	Pilling/Weck - medium
300-801-010	Pilling/Weck - medium-large
300-801-011	Horizon - small
300-801-012	Horizon - medium
300-801-014	Horizon - medium-large



CLIP APPLYING

Clip Applying Forceps



Clip applying forceps, \varnothing 10 mm, length 330 mm, detachable, 360° rotatable, for TITAN-Clips

Forceps, complete	For Clips-Type
300-810-001	Ethicon - small
300-810-002	Ethicon - medium
300-810-004	Ethicon - medium-large
300-810-006	Ethicon - large
300-810-007	Pilling/Weck - small
300-810-008	Pilling/Weck - medium
300-810-010	Pilling/Weck - medium-large
300-810-011	Horizon - small
300-810-012	Horizon - medium
300-810-014	Horizon - medium-large



Insert only	For Clips-Type
300-801-101	Ethicon - small
300-801-102	Ethicon - medium
300-801-104	Ethicon - medium-large
300-801-106	Ethicon - large
300-801-107	Pilling/Weck - small
300-801-108	Pilling/Weck - medium
300-801-110	Pilling/Weck - medium-large
300-801-111	Horizon - small
300-801-112	Horizon - medium
300-801-114	Horizon - medium-large



300-811-010
Shaft for all patterns

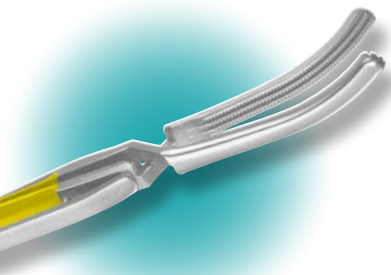


300-811-110
Handle only



300-101-775
Endoscopic **Klein** Bulldog Clamp Applier,
10 mm, rotating, with luer-lock, length 330 mm

Serrated tip for
better grip



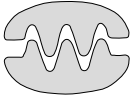
300-101-779
Stabilization tube to avoid rotating of the
bulldogs in the jaw of the Endoscopic Bulldog
Clamp Applier, length: 300 mm



300-410-775
Endoscopic Bulldog Clamp Applier,
detachable, 10mm, rotatating, length: 330 mm



300-401-775
Endoscopic Bulldog Clamp Applier,
detachable (insert only)



2 x 3 rows of teeth



300-100-773 17 mm jaws

300-100-774 25 mm jaws

Endoscopic **Klein** vascular bulldog clamp, straight, with DeBakey serration



300-100-771 45 mm jaws

300-100-772 60 mm jaws

Endoscopic **Klein** bulldog clamp for bowel surgery, straight, with DeBakey serration



300-100-776 17 mm jaws

300-100-777 25 mm jaws

Endoscopic **Klein** Vascular bulldog clamp, curved, with DeBakey serration



300-100-778 45 mm jaws

300-100-779 60 mm jaws

Endoscopic **Klein** bulldog clamp for bowel surgery, curved, with DeBakey serration



300-100-786 60 mm jaws

Endoscopic **Klein** Satinsky bulldog clamp, w/DeBakey serration golden spring, to be used with 12.5 mm trocar system



300-100-789 60 mm jaws

Endoscopic **Klein** Satinsky bulldog clamp, curved, with atraumatic DeBakey serration, to be used with 12.5 mm trocar system

Endoscopic **Klein** Bulldog Clamps with DeBakey Serration Advantages:

- ① Secure holding of occluded tissue structure
- ② Occlusion of vessel and other tissue without an additional port
- ③ Atraumatic cross clamping of the colon

Klein[®] ROBOTIC BULLDOG CLAMP

This Robotic Bulldog Clamp has been specifically designed with the patient in mind. With its wide 2x3 DeBakey Jaws, the clamp properly distributes the pressure along the vessel to allow for an atraumatic occlusion. The open design of the clamp allows for easy cleaning and sterilization along with a consistent closing force, and the proximal post and suture port make retrieving the clamp effortless. Manufactured with AISI 420 Steel, RZ Medizintechnik GmbH ensures an extremely high quality and durable Bulldog Clamp.



300-100-799 30mm
 300-100-798 25mm
 Robotic Bulldog Clamp, bayonet shape,
 with suture hole, blunt teeth

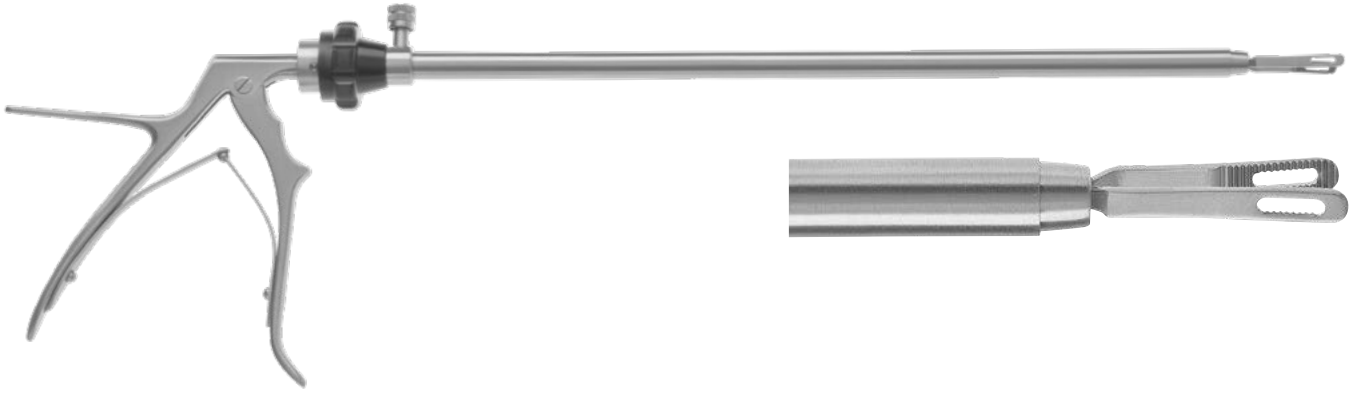
- Specifically designed for use with robotic surgical system
- Single surgeon placement via Pro-Grasp[®] instrument
- Full control for optimal clamp placement
- Atraumatic DeBakey clamp design
- Introduced through 12.5mm cannula
- Suture hole for easy retrieval



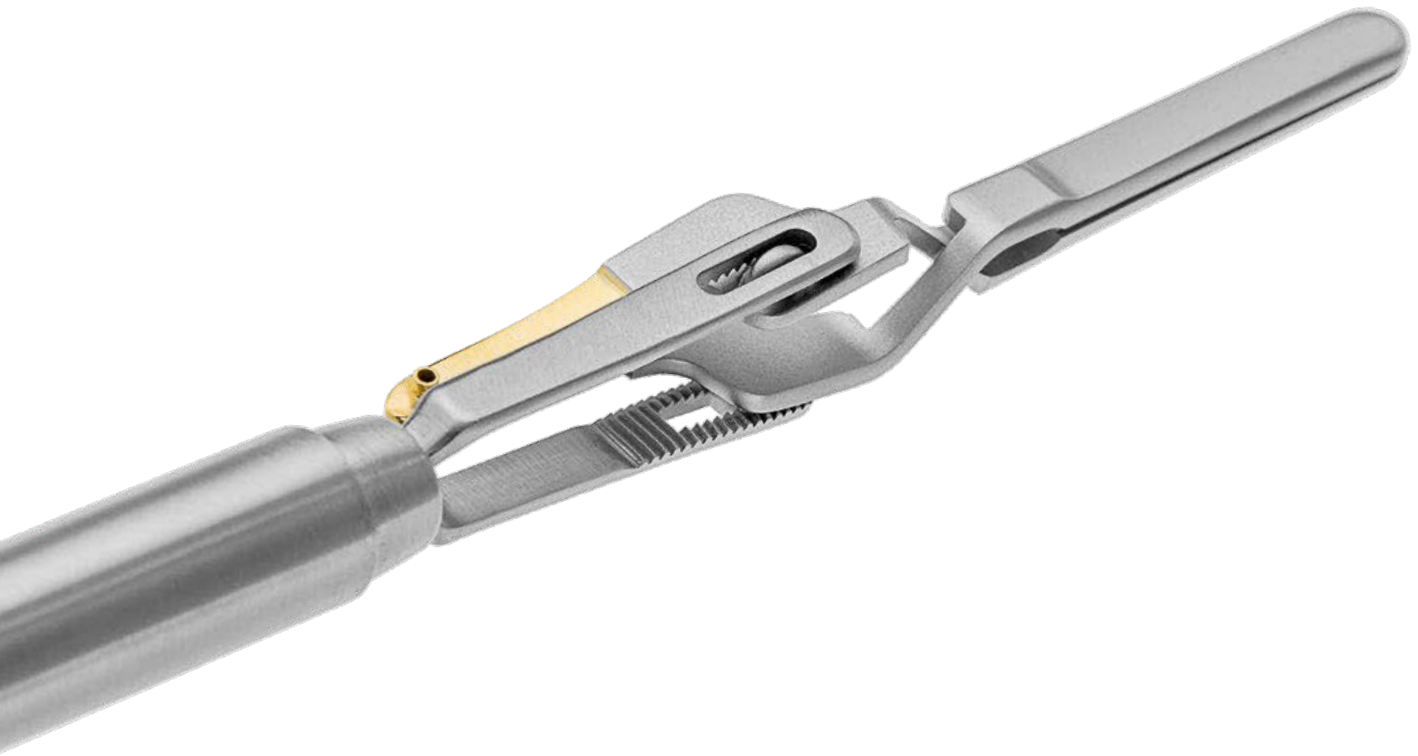


REMOVER

Robotic Bulldog
Clamp Applier



300-101-777
Robotic Bulldog Clamp Remover
10mm, rotatable, with Luer Lock



DICK III NEEDLE HOLDERS

The Dick III Needle holder convinces with ergonomic and extremely light handle design for comfortable operation. The whole instrument weighs less than 120gr. An aluminium anodized handle provides protection against corrosion.



Lightweight design with satin black surface



65° Luer Lock flushing port for optimal accessibility



5 different jaw designs available



Rubber sealing cap included



Rubber sealing cap included



Straight



Left curved



Right curved



1x2 teeth



Concave/convex



NEEDLE HOLDER

Endoscopic
Needle Holder



∅ 5mm		straight handle	
Article-No.	Jaw shape	Jaw feature	Length
300-300-130	straight	TC serrated	330mm
300-300-131	straight, 1x2 teeth	TC serrated	330mm
300-300-140	left curved	TC serrated	330mm
300-300-141	right curved	TC serrated	330mm
300-300-142	concave/convex	diamond dusted	330mm
300-300-230	straight	TC serrated	450mm
300-300-231	straight, 1x2 teeth	TC serrated	450mm
300-300-240	left curved	TC serrated	450mm
300-300-241	right curved	TC serrated	450mm
300-300-242	concave/convex	diamond dusted	450mm

∅ 5mm		angled handle	
Article-No.	Jaw shape	Jaw feature	Length
300-300-160	straight	TC serrated	330mm
300-300-161	straight, 1x2 teeth	TC serrated	330mm
300-300-170	left curved	TC serrated	330mm
300-300-171	right curved	TC serrated	330mm
300-300-172	concave/convex	diamond dusted	330mm
300-300-260	straight	TC serrated	450mm
300-300-261	straight, 1x2 teeth	TC serrated	450mm
300-300-270	left curved	TC serrated	450mm
300-300-271	right curved	TC serrated	450mm
300-300-272	concave/convex	diamond dusted	450mm

∅ 3mm		straight handle	
Article-No.	Jaw shape	Jaw feature	Length
300-300-330	straight	TC serrated	330mm
300-300-340	left curved	TC serrated	330mm
300-300-341	right curved	TC serrated	330mm
300-300-430	straight	TC serrated	450mm
300-300-440	left curved	TC serrated	450mm
300-300-441	right curved	TC serrated	450mm

∅ 3mm		angled handle	
Article-No.	Jaw shape	Jaw feature	Length
300-300-360	straight	TC serrated	330mm
300-300-370	left curved	TC serrated	330mm
300-300-371	right curved	TC serrated	330mm
300-300-460	straight	TC serrated	450mm
300-300-470	left curved	TC serrated	450mm
300-300-471	right curved	TC serrated	450mm

DICK I NEEDLE HOLDERS

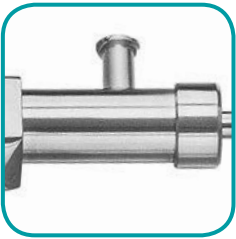
Appreciated features of the axial handle like automatic mechanism and smoothly releasing interlock in combination with either TC or diamond dusted jaw design is this endoscopic needle holder the basic instrument for every laparoscopic surgery.



Smooth release lock, very robust handle design



Ergonomic and reliable handle design



Straight Luer Lock flushing port (sealing cap included)



Straight



Left curved



Right curved



Diamond dusted



Ø 5mm straight handle

Article-No.	Jaw profile	Working length	Jaw feature
300-100-694	right curved	330mm	serration TC
300-100-695	straight	330mm	serration TC
300-100-696	left curved	330mm	serration TC
300-100-697	straight	450mm	serration TC
300-100-698	left curved	450mm	serration TC
300-100-699	right curved	450mm	serration TC
300-100-702	straight	330mm	diamond dusted
300-100-703	straight	450mm	diamond dusted

Ø 3mm straight handle

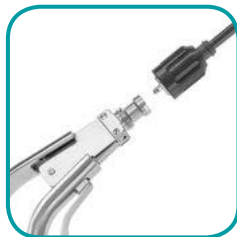
Article-No.	Jaw profile	Working length	Jaw feature
300-100-687	left curved	250mm	serration TC
300-100-688	right curved	250mm	serration TC
300-100-689	straight	250mm	serration TC
300-100-691	left curved	330mm	serration TC
300-100-692	right curved	330mm	serration TC
300-100-693	straight	330mm	serration TC

WERNER NEEDLE HOLDERS

Lightweight and axial needle holders with detachable and single-piece option for a maximum of flexibility and comfort. These needle holders are designed for a precise handling to grasp and hold needles more securely. The 3-piece detachable model allows efficient cleaning.



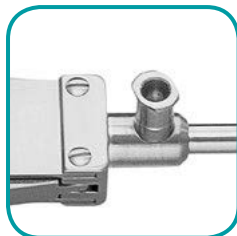
Ergonomic axial handle design
for effortless working



Detachable 3-piece system



Smooth and ergonomic ratchet



Straight Luer Lock flushing
port (sealing cap included)



NEEDLE HOLDER

Endoscopic
Needle Holder



Ø 5mm		detachable	
Article-No.	Jaw shape	Jaw feature	Length
300-300-001	straight	TC serrated	330mm
300-300-101	left curved	TC serrated	330mm
300-300-201	right curved	TC serrated	330mm
300-300-501	convex/concave	toothed	330mm
300-302-001	straight	TC serrated	450mm
300-302-101	left curved	TC serrated	450mm
300-302-201	right curved	TC serrated	450mm
300-302-501	convex/concave	toothed	450mm

Ø 5mm		single-piece	
Article-No.	Jaw shape	Jaw feature	Length
300-300-000	straight	TC serrated	330mm
300-300-100	left curved	TC serrated	330mm
300-300-200	right curved	TC serrated	330mm
300-300-500	convex/concave	toothed	330mm
300-302-000	straight	TC serrated	450mm
300-302-100	left curved	TC serrated	450mm
300-302-200	right curved	TC serrated	450mm

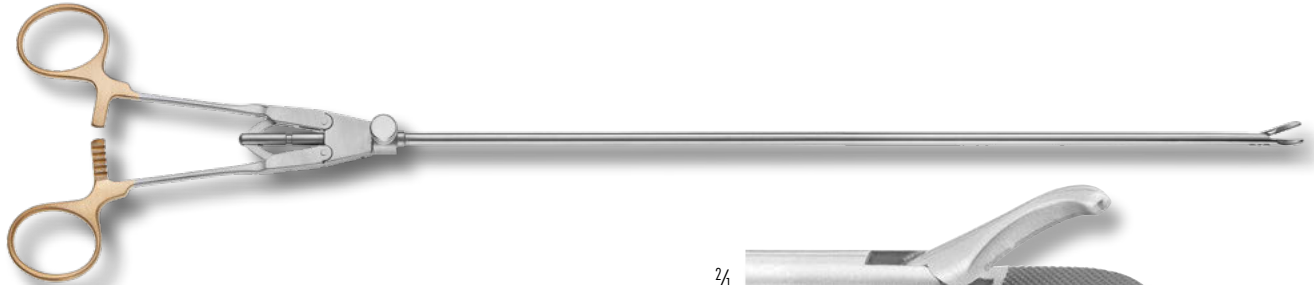
Ø 3mm		detachable	
Article-No.	Jaw shape	Jaw feature	Length
300-303-001	straight	TC serrated	330mm
300-303-101	left curved	TC serrated	330mm
300-303-201	right curved	TC serrated	330mm
300-303-501	convex/concave	toothed	330mm

Ø 3mm		single-piece	
Article-No.	Jaw shape	Jaw feature	Length
300-303-000	straight	TC serrated	330mm
300-303-100	left curved	TC serrated	330mm
300-303-200	right curved	TC serrated	330mm
300-303-500	convex/concave	toothed	330mm

TC ENDOSCOPIC NEEDLE HOLDER

Features:

- Axial ring handle
- For intra- & extracorporeal suturing
- Jaw with TC inserts: firm & reliable grip of suturing needles, long lifetime of the needle holder
- Wide range of different jaws: universal use for all endoscopic suturing procedures



300-101-588 330 mm working length
 300-101-589 450 mm working length
 TC endoscopic needle holder with axial handle, **curved left**, Ø 5 mm



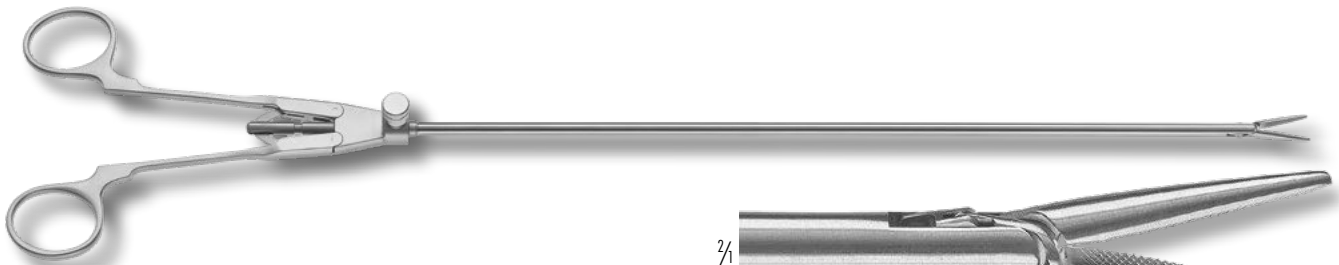
300-101-592 330 mm working length
 300-101-599 450 mm working length
 TC endoscopic needle holder with axial handle, **curved right**, Ø 5 mm



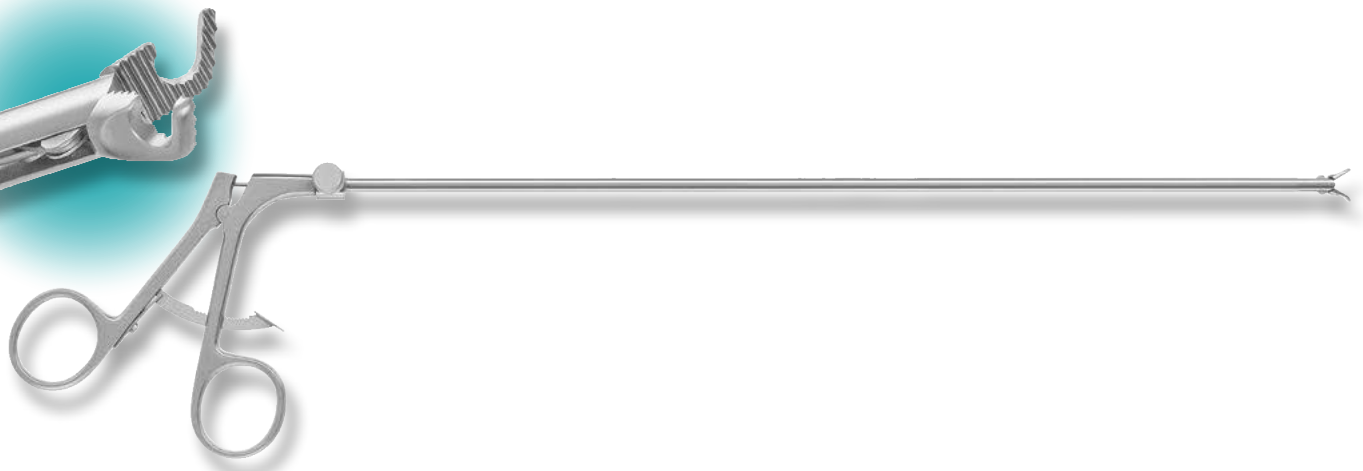
300-101-594
 TC endoscopic needle holder with axial handle, **straight jaw**,
 Ø 5 mm, 330 mm working length



300-101-596
 TC Bullnose endoscopic needle holder with axial handle,
straight jaw, Ø 5 mm, 330 mm working length



300-332-320 **LIONS** Needle forceps Ø 5 mm, 330 mm without ratchet,
 with luer-lock, double-action

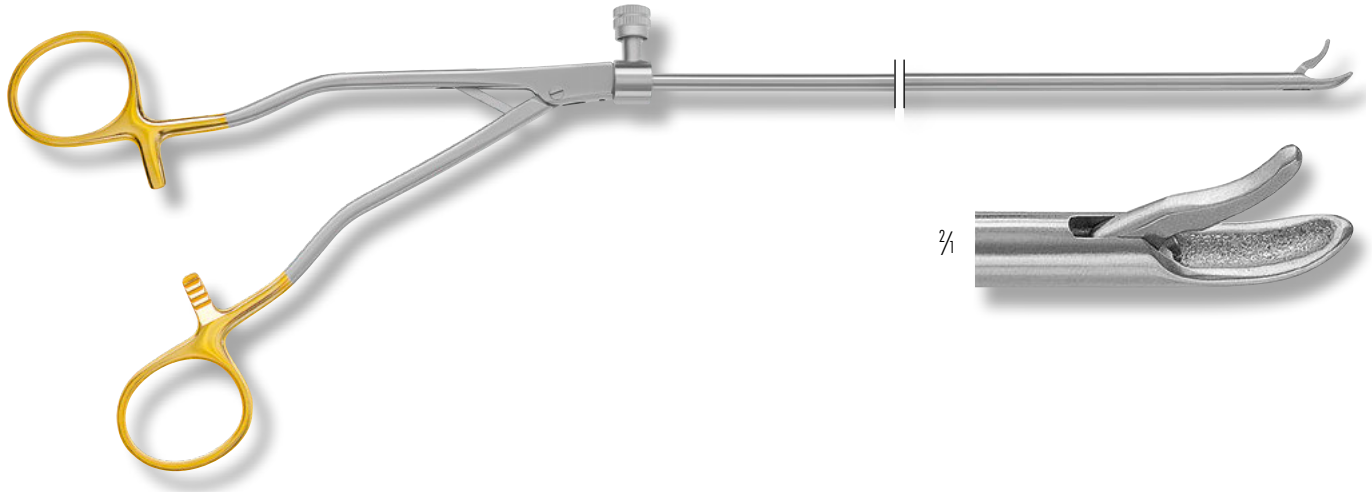


300-101-583 Needle holder and Suture forceps, U-shaped jaw, Ø 5 mm, 330 mm with ratchet, not insulated, with luer-lock

ROMEO DIAMOND DUSTED NEEDLE HOLDER

Features:

- Auto-aligning of needles
- New designed, concave shaped jaw: aligns curved endoscopic needles by itself in 90° position to the jaw's horizontal line
- Diamond dusted jaw: keeps needle securely in place



300-101-602

Romeo needle holder with diamond dusted jaw and curved axial ring handle, with luer-lock, Ø 5 mm, 330 mm working length

300-101-593

TC Needle Holder straight jaw, 5 mm, with Axial Handle and ratchet, with LL "Parrot Design", 360 mm, 90° jaws opening



MATHIEU TC ENDOSCOPIC NEEDLE HOLDER

Features:

- For intra- & extracorporeal suturing
- Jaw with TC inserts: firm & reliable grip of suturing needles
- Ergonomic designed handle: easy posture by alignment of the surgeon's hand with the suturing needle
- Curved, fine tapered jaw: precise control



300-330-033 330 mm working length
 300-330-045 450 mm working length
 Mathieu endoscopic TC needle holder with traditional ratchet design,
 spring-loaded handle, **curved left**



300-332-033
 Mathieu endoscopic TC needle holder with traditional ratchet design,
 spring-loaded handle, **curved right**



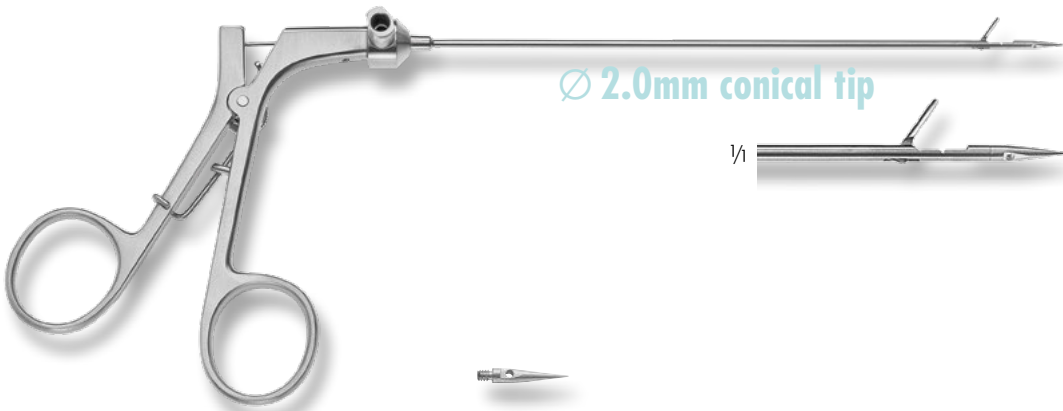
300-334-033
 Mathieu endoscopic TC needle holder with traditional ratchet design,
 spring-loaded handle, **straight**



300-336-033
 Mathieu Fino endoscopic TC needle holder with traditional ratchet design,
 spring-loaded handle, **curved left**

TOBIAS AND TOBIAS II FASCIA SUTURING INSTRUMENTS

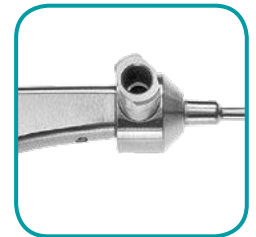
with self closing spring mechanism are unique instruments to close trocar incisions under vision.



300-151-000
Tobias Fascia Suturing Instrument with slim 2.0mm shaft and detachable conical tip

- Shaft diameter: 2.0mm
- Working length: 150mm
- Tip Geometry: sharp conical tip, detachable
- Cleaning: Luer Lock flush port

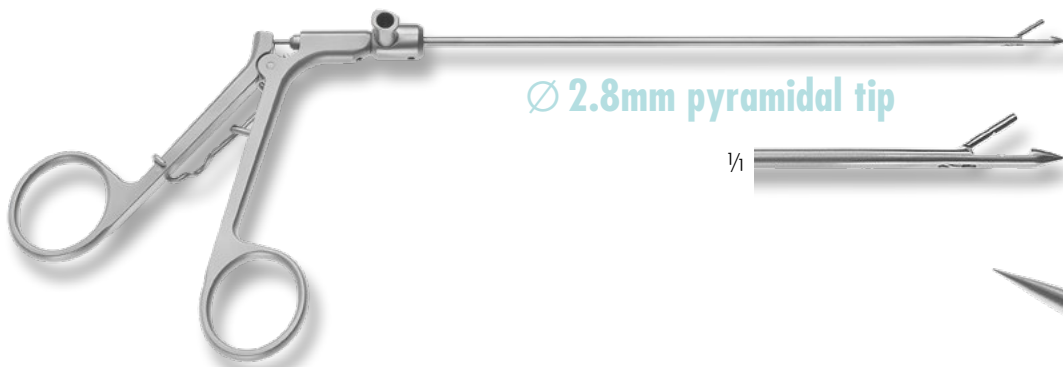
300-152-000
Tip only for Tobias Fascia suturing instrument, set with 5 pieces



Luer Lock flush port



Self closing spring mechanism



300-153-000
Tobias II Fascia Suturing Instrument with strong 2.8mm shaft and fixed pyramidal tip

- Shaft diameter: 2.8mm
- Working length: 170mm
- Tip Geometry: sharp six-sided pyramidal tip, fixed
- Cleaning: Luer Lock flush port



300-151-100
Rainer Fascia Suturing Device, 2.3 mm / 140 mm

KNOT TIERS



300-030-001 330 mm working length

300-030-003 450 mm working length

Classic knot tier with slit and eye for extra corporal knotting, Ø 4 mm.

Ergonomic handle design for secure holding and rotation of the knot tier.



300-030-004 330 mm working length

300-030-006 450 mm working length

Knot tier with eye for extra corporal knotting, Ø 4 mm.

Ergonomic handle design for secure holding and rotation of the knot tier.



300-030-000

Knot tier with longitudinal conical form for secure holding of extracorporal knots to

suture site, Ø 4 mm, 330 mm working length. Ergonomic handle design

for secure holding and rotation of the knot tier.

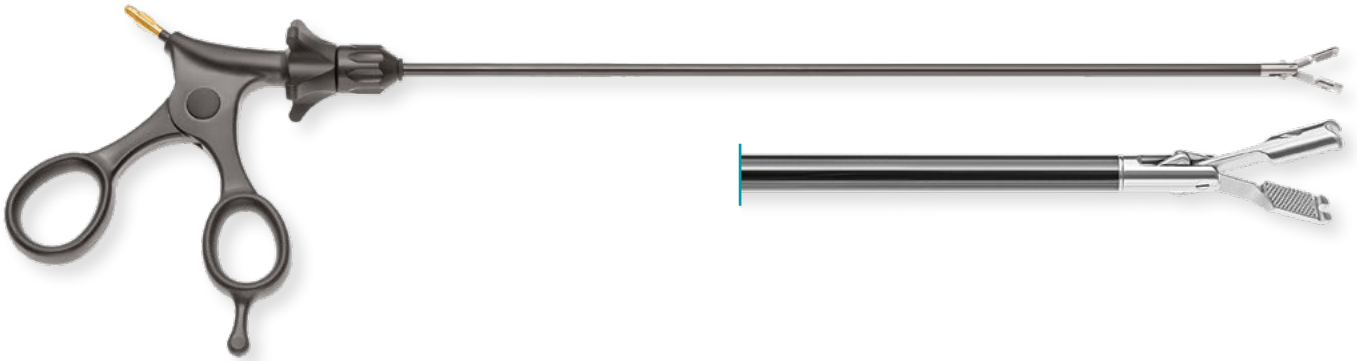


1/2

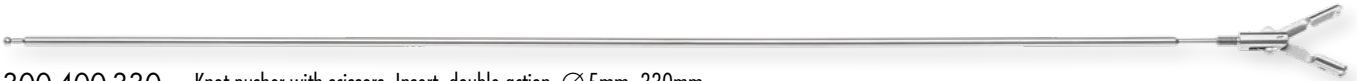
300-020-504

Endoloop Applicator sleeve for placement of endoloop sutures intraperitoneally, 5 to 4 mm, length: 180 mm

KNOT PUSHER WITH SCISSORS



Consists of:



300-400-330 Knot pusher with scissors, Insert, double action, Ø5mm, 330mm



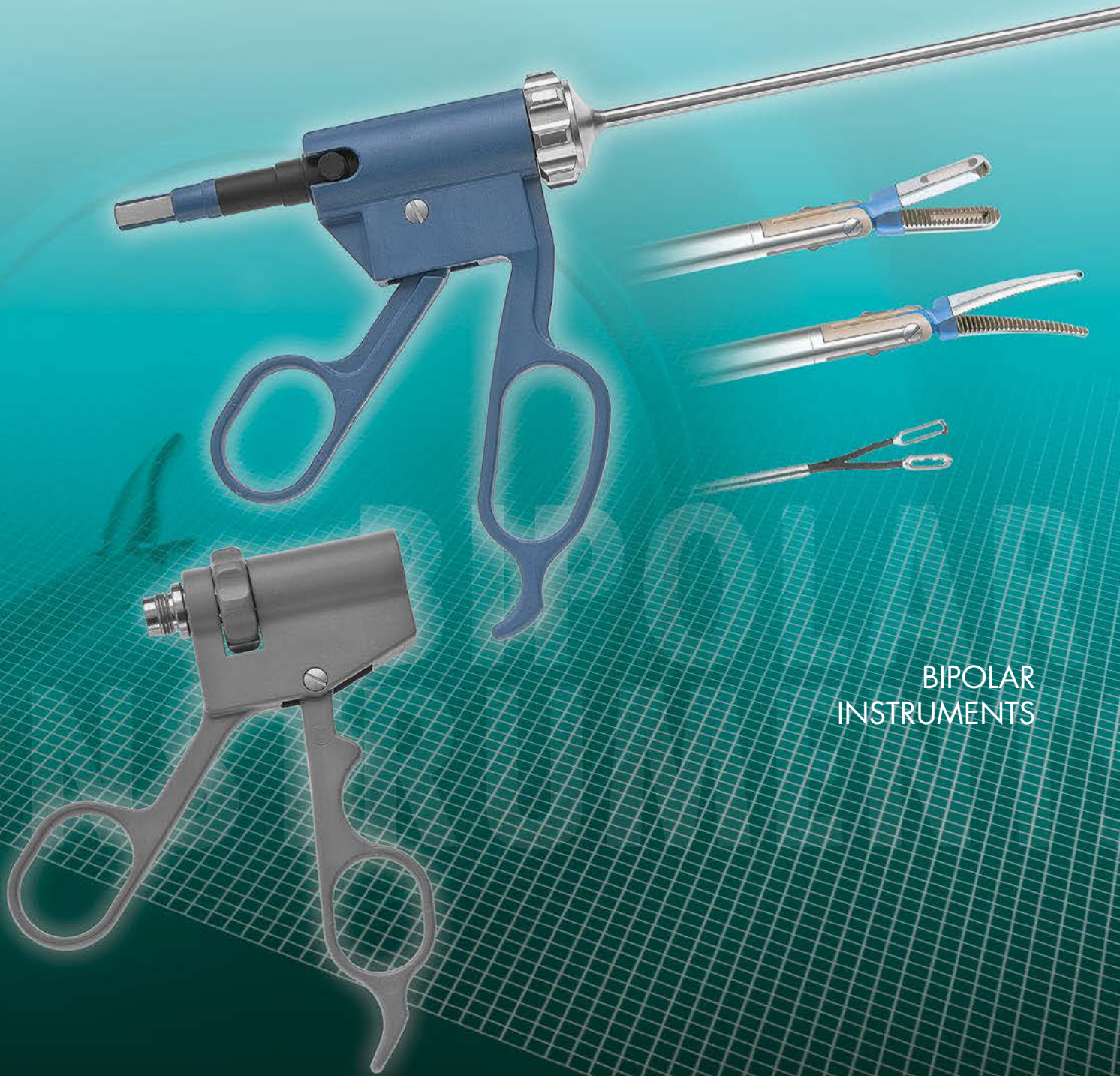
300-660-005 Outer Sheath, insulated, Ø5mm, 330mm, adaptable to all handles



300-750-101 Carbon Fiber Handle, HF-connection



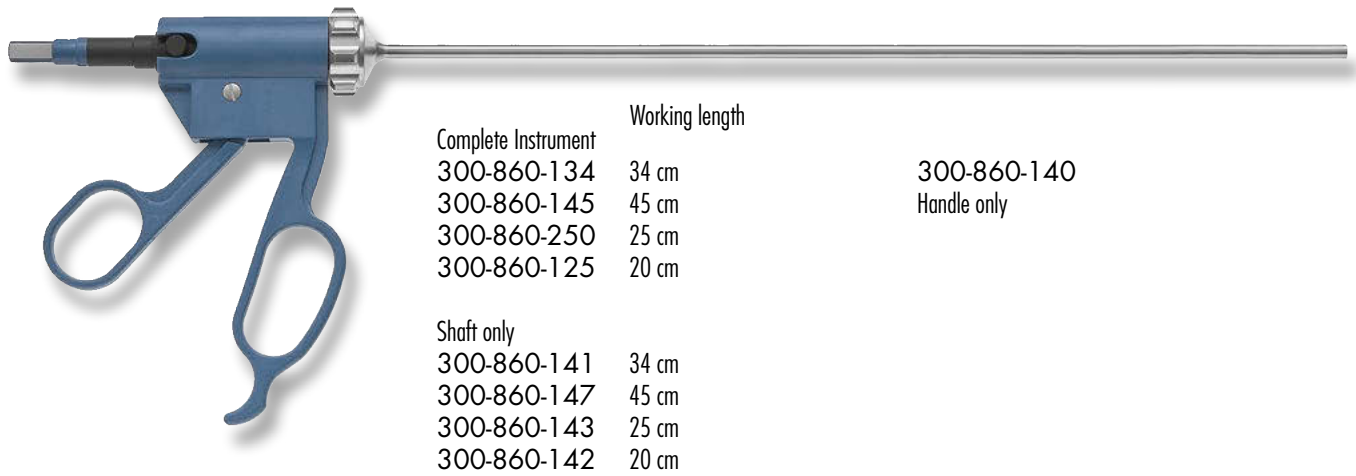
300-750-105 Carbon Fiber Handle, hook up ratchet, HF-connection



BIPOLAR
INSTRUMENTS

DETACHABLE BIPOLAR FORCEPS

Powergrip Bipolar Coagulation Forceps consisting of forceps body and shaft - without electrode



DETACHABLE 720° ROTATABLE BIPOLAR FORCEPS

The BiPOspin handle rotates 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. The handle can be rotated 360°, and with the rotating stop, the surgeon's ideal ergonomic handling position can be achieved.



	Working length
Complete Instrument	
300-860-534	34 cm
300-860-545	45 cm
Shaft only	
300-560-535	34 cm
300-560-546	45 cm
300-860-500	
Handle only, with adjustment (rotating stop)	

ELECTRODES



Insulated up to the end of the working zone, these exchangeable Electrode Inserts are safe, easy to use and offer surpassing cleaning qualities.

	Powergrip Bipolar Grasping Forceps, fenestrated jaws, curved, double action, 5 mm	300-860-009	34 cm
		300-860-039	45 cm
	Powergrip Bipolar Grasping Forceps, fenestrated jaws, double action, serrated, 5 mm	300-860-079	20 cm*
		300-860-013	34 cm
	Powergrip Bipolar Grasping Forceps, slightly curved, 5 mm, double action	300-860-023	45 cm
		300-860-063	20 cm*
	Powergrip Bipolar Grasping Forceps, slightly curved, 5 mm, double action	300-860-011	34 cm
		300-860-021	45 cm
	Powergrip Bipolar Forceps, 2x3 teeth 5 mm, double action	300-860-061	25 cm*
		300-860-012	34 cm
	Powergrip Bipolar Forceps, 2x3 teeth 5 mm, double action	300-860-022	45 cm
		300-860-062	25 cm*
	Powergrip Bipolar Delta grasping forceps, 5 mm	300-860-014	34 cm
		300-860-024	45 cm
	Powergrip Bipolar Delta grasping forceps, 5 mm	300-860-064	25 cm*
		300-860-015	34 cm
	Powergrip Bipolar Grasping Forceps, 5 mm, curved	300-860-025	45 cm
		300-860-065	20 cm*
	Powergrip Bipolar Duckbill Forceps, double action, 5 mm	300-860-016	34 cm
		300-860-026	45 cm
	Powergrip Bipolar Duckbill Forceps, double action, 5 mm	300-860-066	20 cm*
		300-860-018	34 cm
	Powergrip Bipolar TC-Metzenbaum Scissors, 5 mm	300-860-028	45 cm
		300-860-068	20 cm*
	Powergrip Bipolar Maryland Insert, 5 mm	300-860-019	34 cm
		300-860-029	45 cm
		300-860-069	20 cm*

* 20 / 25 cm pattern not available for 720° rotatable Bipolar Forceps



BIPOLAR FORCEPS

Detachable Bipolar Forceps



Parts

Forceps body standard
300-855-001

Inner tube	Working length
300-855-006	34 cm
300-855-051	45 cm
300-855-002	20 cm

Detachable Bipolar Coagulation Forceps, consisting of forceps body, inner- and outer tube - without electrode

With standard handle	Working length	With ring handle	Working length
300-855-034	34 cm	300-855-134	34 cm
300-855-045	45 cm	300-855-145	45 cm
300-855-020	20 cm	300-855-120	20 cm

Outer Tube	Working length
300-855-007	34 cm
300-855-052	45 cm
300-855-003	20 cm



Forceps body, ring handle
300-855-101

Electrodes



Tubal ligation, insert	Working length
300-855-010	34 cm
300-855-022	45 cm
300-855-060	20 cm



Micro jaw, 1 mm, insert	Working length
300-855-011	34 cm
300-855-021	45 cm
300-855-061	20 cm



Grasping forceps, 3 mm, insert	Working length
300-855-015	34 cm
300-855-025	45 cm
300-855-065	20 cm



Scissors, curved, insert	Working length
300-855-017	34 cm
300-855-027	45 cm
300-855-067	20 cm



Kleppinger, serrated, insert	Working length
300-855-013	34 cm
300-855-023	45 cm
300-855-063	20 cm



Scissors with TC blades, curved	Working length
300-855-018	34 cm
300-855-028	45 cm
300-855-068	20 cm



Dissector Maryland, curved	Working length
300-855-019	34 cm
300-855-029	45 cm
300-855-069	20 cm

Bipolar Cables, Length 3 m

Generator

2 banana plug	300-855-100
Valleylab plug	300-855-105
Martin plug	300-855-102
Erbe plug	300-855-103

Adaptor

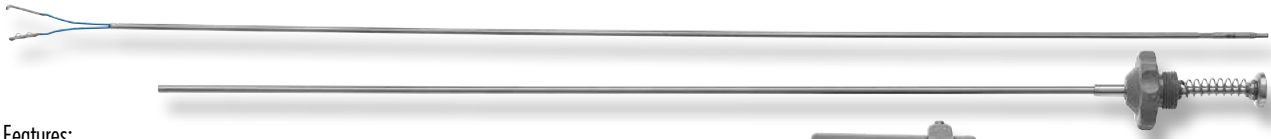


(illustrated 300-855-401)

For bipolar cable with flat plug	300-855-400
For bipolar cable with 2-pin-plug	300-855-401



MICRO BIPOLAR SYSTEM



Features:

- Suits for all operations in Laparoscopy
- Especially for fine coagulation of tissue and small vessels
- Easy detachable for cleaning purposes
- Exchangeable Inserts for different applications
- Minimal incision due to 3 mm \varnothing



300-857-205
Cable only for 300-857-100

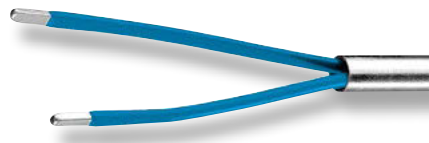


300-857-100
Bipolar Micro Coagulation Forceps 3 mm

Electrode inserts for Bipolar Micro Coagulation Forceps 3 mm



300-857-111
Micro Electrode, rippled bar



300-857-112
Micro Electrodes, fluted tip, 1mm



Bipolar Micro Electrodes, 3 mm



300-857-301
Bipolar L-Hook



300-857-302
Bipolar V-Hook



300-857-303
Bipolar Needle



Suitable Bipolar Cables are shown on pages 118 & 119

BIPOLAR CABLES

		Flat Plug	Flat plug, angled	Flat plug, square	2-pin plug		
Generator end 	RZ HF Unit	3 m	700-500-300				
	SDS Plug, programmable	5 m	700-500-500				
	2-Banana*	3 m	700-350-030	300-860-100	700-350-130	700-351-030	
		5 m	700-350-050	300-860-111	700-350-150	700-351-050	
	Erbe	3 m	700-101-001	700-100-130	700-101-130	700-100-102	
		5 m	700-100-101	700-100-150	700-101-150	700-100-103	
	Martin, Aesculap Berchtold	3 m	700-287-030	700-200-130	700-287-130	700-200-132	
	5 m	700-287-050	700-200-150	700-287-150	700-200-152		
RZ, Valleylab, Lamidey, EMC	3 m	700-351-031	700-300-003	700-351-131	700-300-203		
	5 m	700-351-051	700-300-005	700-351-151	700-300-205		
Erbe EMC/Dolley	3 m	700-400-050	700-400-003	700-400-103	700-400-203		
	5 m	700-400-055		700-400-105			
Valleylab autobipolar	3 m	700-400-030		700-400-130			
	5 m						

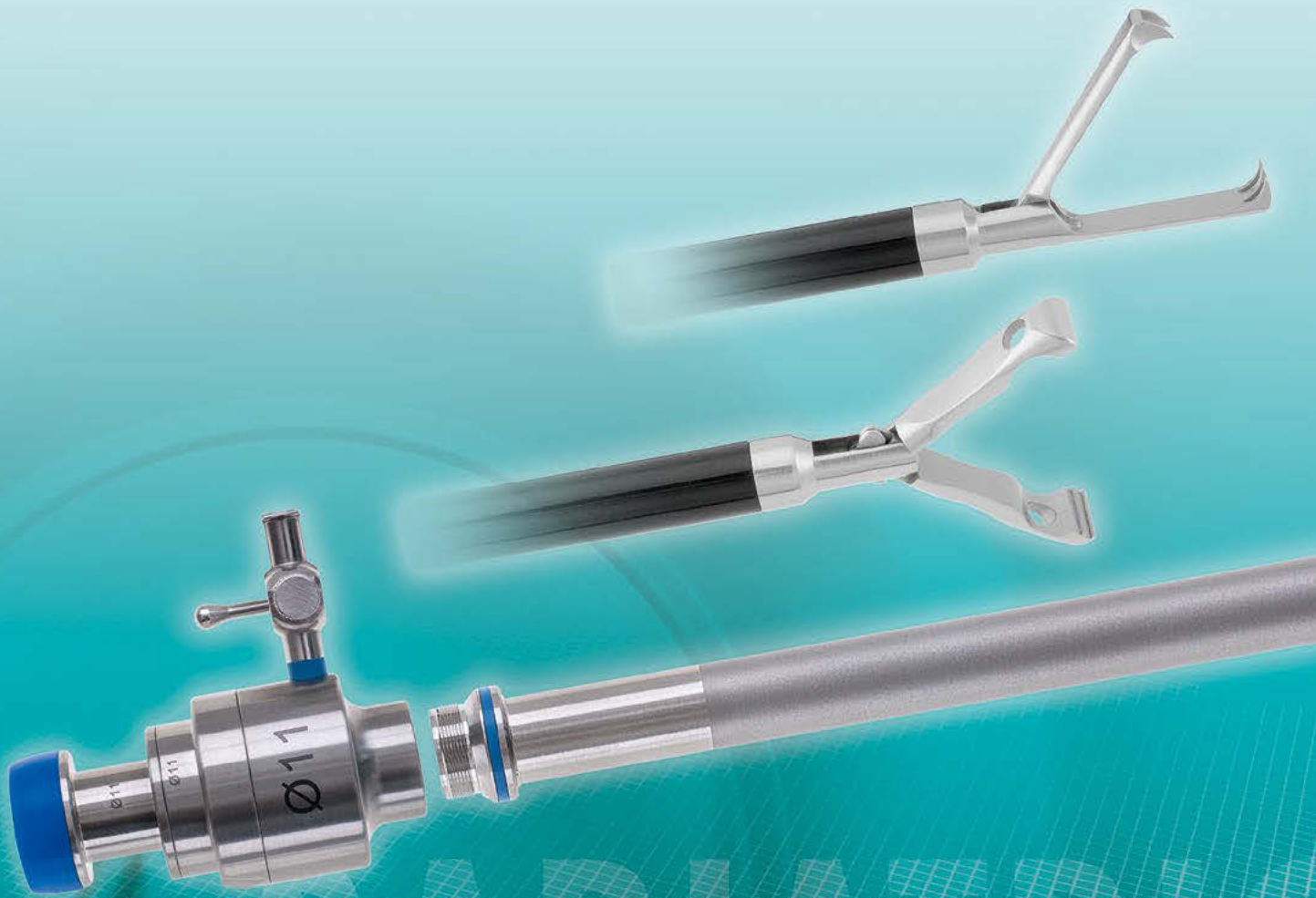
* Not available with CE marking within Europe



BIPOLAR CABLES

Bipolar Cables

						
2-pin plug, angled	2-pin plug, angled	Round plug	R. Wolf plug	Karl Storz plug	Ethicon Scissors plug	Aesculap Plug
700-345-403 700-345-405	700-345-003 700-345-005	700-739-003 700-739-005	700-630-003	700-351-047 700-351-048	700-351-053 700-351-055	700-200-030 700-200-050
700-101-230 700-101-250		700-100-202 700-100-303	700-100-104 700-100-105	700-100-302 700-100-305	700-100-402 700-100-405	700-100-502 700-100-505
700-287-230 700-287-250		700-200-232 700-200-252	700-390-030 700-390-050	700-200-332 700-200-352	700-200-432 700-200-452	700-200-532 700-200-552
700-351-231 700-351-251	700-300-403 700-300-405	700-736-003 700-736-005	700-300-503 700-300-505	700-300-603	700-300-703 700-300-705	700-300-805
700-400-303	700-400-403	700-400-503 700-400-205		700-400-603		



BARIATRIC
INSTRUMENTS



Back side view with MultiPort lever

Stainless steel valve, XL smooth stainless steel sleeve

Ø 5.5mm 300-220-155

Ø 11mm 300-220-111

Ø 13mm 300-220-113

Working length 150mm



Synthetic valve, XL smooth stainless steel sleeve

Ø 5.5mm 300-230-155

Ø 11mm 300-230-111

Ø 13mm 300-230-113

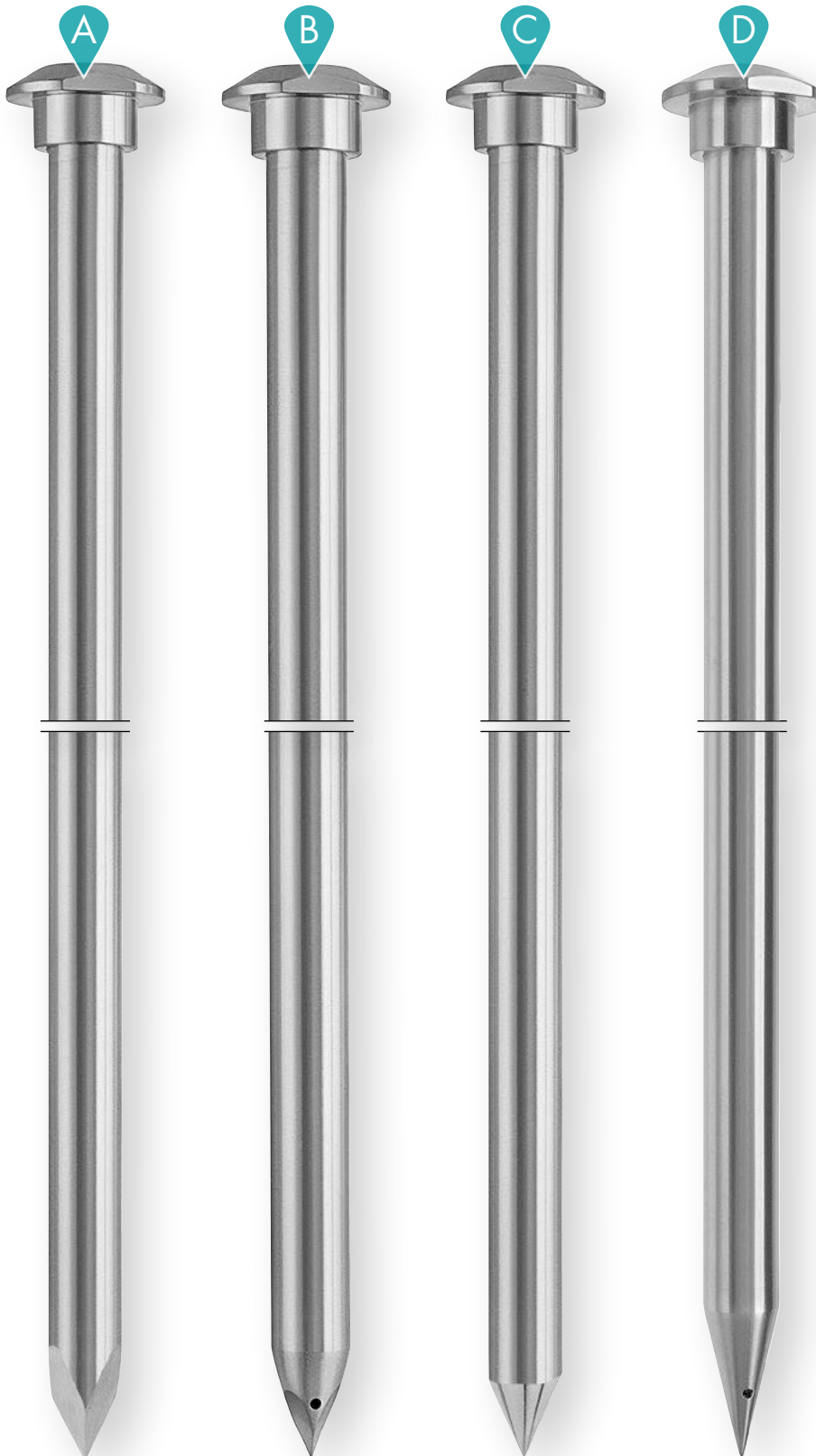
Working length 150mm

Please note: the previous trocar systems are still available on request.



XL TROCAR SYSTEM

XL Trocar Systems
WL 150mm



A	With pyramidal tip, reusable, cutting
Ø 5.5mm	300-241-155
Ø 11mm	300-241-111
Ø 13mm	300-241-113

B	Cannulated with hole, pyramidal tip
Ø 5.5mm	300-244-155
Ø 11mm	300-244-111
Ø 13mm	300-244-113

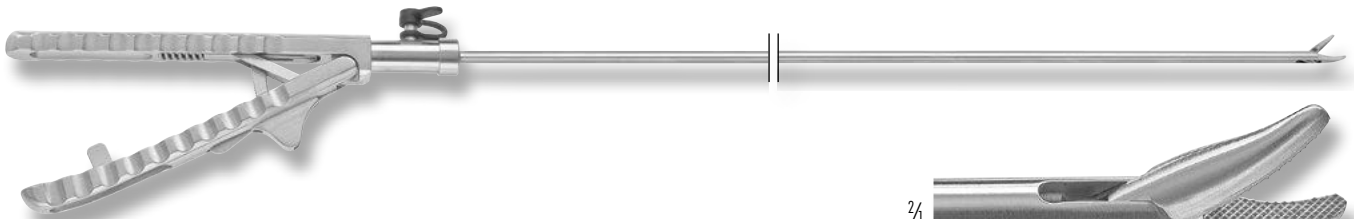
C	With conical tip, reusable, cutting
Ø 5.5mm	300-240-155
Ø 11mm	300-240-111
Ø 13mm	300-240-113

D	Cannulated with hole, conical tip
Ø 5.5mm	300-243-155
Ø 11mm	300-243-111
Ø 13mm	300-243-113

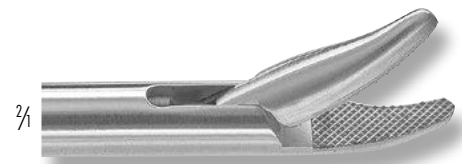
Please note: the previous trocar systems are still available on request.



300-330-045 **MATHIEU** Endoscopic TC needle holder, traditional ratchet design, spring-loaded, curved left, Ø 5 mm, 450 mm working length



300-100-697 **DICK** Endoscopic TC needle holder, strong axial handle, automatic locking mechanism straight jaw, Ø 5 mm, 450 mm working length



300-100-698 **DICK** Endoscopic TC needle holder, strong axial handle, automatic locking mechanism left curved jaw, Ø 5mm, 450 mm working length



300-102-775 Endoscopic **Klein** Bulldog Clamp Applier, 10 mm, rotating, with luer-lock, length 450 mm



Serrated tip for better grip



300-100-772 60 mm jaws Endoscopic **Klein** bulldog clamp for bowel surgery, straight, with DeBaKey serration



300-100-786 60 mm jaws Endoscopic **Klein** Satinsky bulldog clamp, w/DeBaKey serration golden spring, to be used with 12.5 mm trocar system



300-100-789 60 mm jaws Endoscopic **Klein** Satinsky bulldog clamp, curved, with atraumatic DeBaKey serration, to be used with 12.5 mm trocar system



XL INSERTS

Dissecting XL Bariatric Inserts



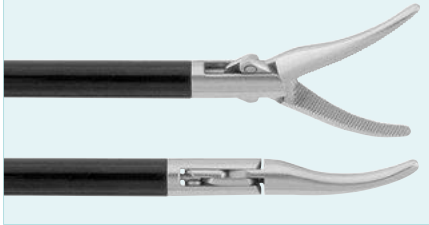
Complete Instrument
with handle 300-750-001



Complete Instrument
with handle 300-750-101

insert only

Ø 5 mm



300-401-732

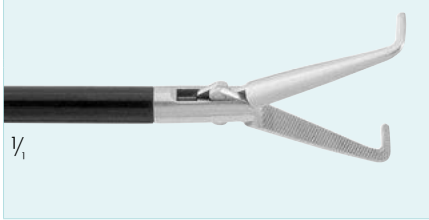
300-411-732

300-421-732

KELLY

Dissecting forceps curved, fine-tapered, cross-serrated jaws with wide opening, double action, Ø 5 mm, 450 mm

Ø 5 mm



300-401-738

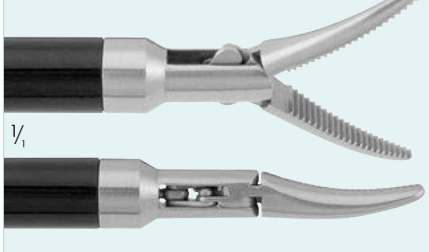
300-411-738

300-421-738

MIXTER

Fine dissecting forceps 90° angled, fine serrated jaws, double action, Ø 5 mm, 450 mm

Ø 10 mm



300-401-730

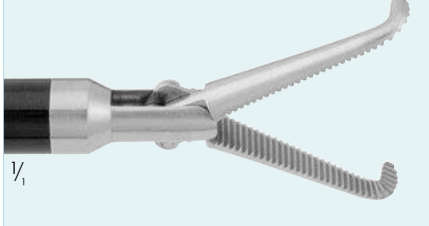
300-411-730

300-421-730

MARYLAND

Dissecting forceps curved, blunt jaws, double action, Ø 10 mm, 450 mm

Ø 10 mm



300-401-739

300-411-739

300-421-739

MIXTER

Dissecting forceps 90° angled, serrated jaws, double action, Ø 10 mm, 450 mm

Ø 5 mm



300-401-025

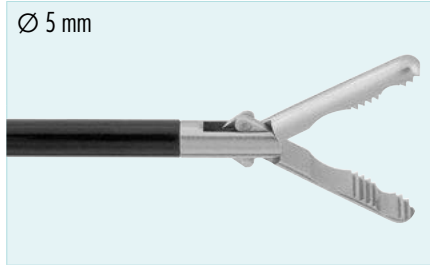
300-411-025

300-421-025

DOLPHIN

Grasping and dissecting forceps, fine serrated and tapered jaws, double action, Ø 5 mm, 450 mm





Ø 5 mm

insert only

300-401-015



Complete Instrument
with handle 300-750-003

300-431-015

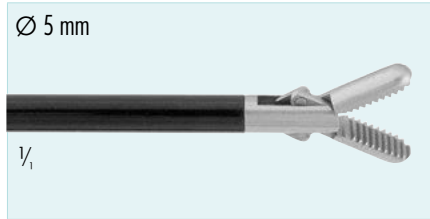


Complete Instrument
with handle 300-750-103

300-441-015

FUNDUS

Grasping forceps with 2 cups and serrated jaws, double action, Ø 5 mm, 450 mm



Ø 5 mm

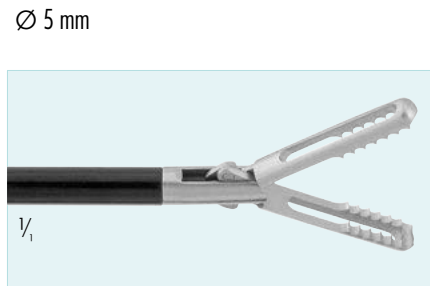
300-401-001

300-431-001

300-441-001

BULLNOSE

Grasping forceps, heavy pattern, standard serrated jaws, double action, Ø 5 mm, 450 mm



Ø 5 mm

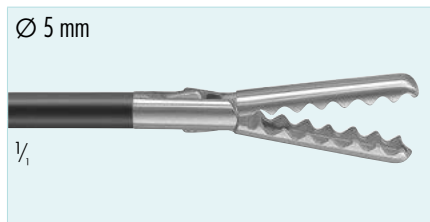
300-401-017

300-431-017

300-441-017

GRIPPER #1

Grasping forceps with coarse serration and fenestration, double action, Ø 5 mm, 450 mm



Ø 5 mm

300-401-013

300-431-013

300-441-013

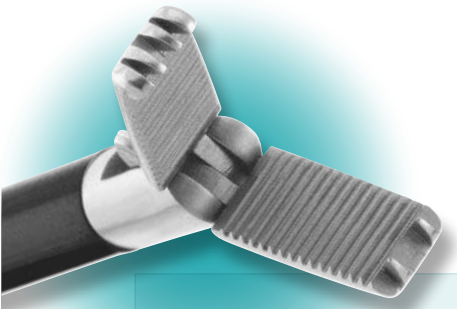
PRESTIGE

Grasping forceps with long, bevelled-edge jaws and deep cup for large tissue collection, double action, Ø 5 mm, 450 mm



XL INSERTS

Grasping XL Bariatric Inserts



Ø 5 mm



1/1

insert only

300-401-201



Complete Instrument
with handle 300-750-003

300-431-201



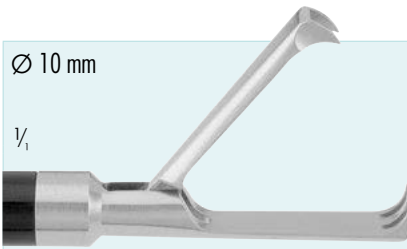
Complete Instrument
with handle 300-750-103

300-441-201

COBRA

Grasping forceps with sharp 2 x 4 teeth and serrated inner jaws, double action, Ø 5 mm, 450 mm

Ø 10 mm



1/1

300-401-710

300-431-710

300-441-710

CLAW GRASPER

Grasping forceps, aggressive 2 x 3 teeth and smooth inner jaws, single action, Ø 10 mm, 450 mm

Ø 5 mm



1/1

300-401-289

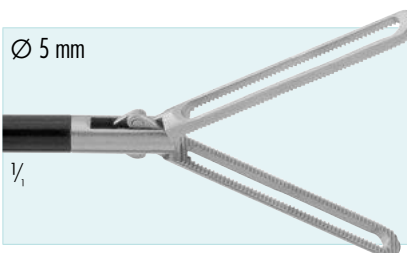
300-431-289

300-441-289

JOHANS

Grasping forceps with 20 mm fenestrated jaws, double action, Ø 5 mm, 450 mm

Ø 5 mm



1/1

300-401-291

300-431-291

300-441-291

LONG JOHANS

Grasping forceps with 40 mm fenestrated jaws, double action, Ø 5 mm, 450 mm



Ø 5 mm



1/1

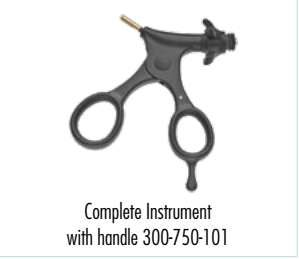
insert only

300-401-082



Complete Instrument
with handle 300-750-001

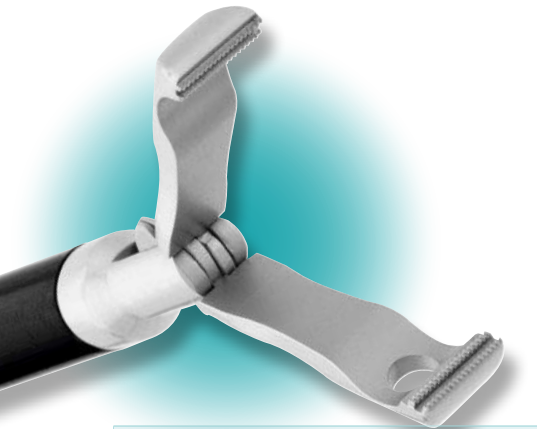
300-411-082



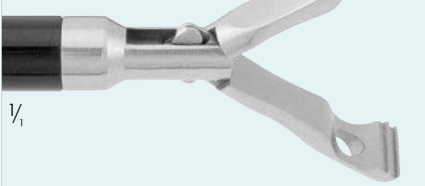
Complete Instrument
with handle 300-750-101

300-421-082

Biopsy forceps with sharp oval cups, double action, Ø 5 mm, 450 mm



Ø 10 mm



1/1

insert only

300-401-079



Complete Instrument
with handle 300-750-003

300-431-079



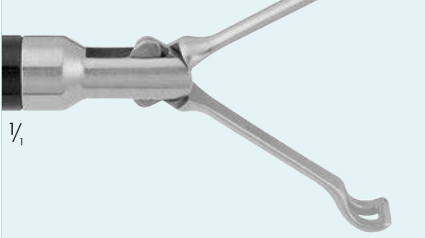
Complete Instrument
with handle 300-750-103

300-441-079

DEBAKEY BABCOCK

Traditional style Babcock grasping forceps, fenestrated jaws with atraumatic DeBakey serration, double action, Ø 10 mm, 450 mm

Ø 10 mm



1/1

300-401-078

300-431-078

300-441-078

BABCOCK

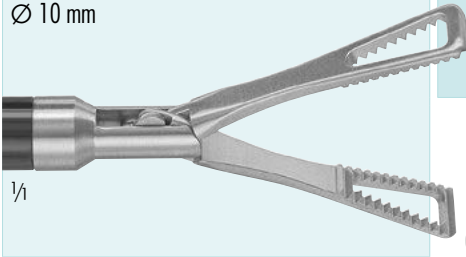
Traditional style Babcock grasping forceps, fenestrated jaws with fine serration, double action, Ø 10 mm, 450 mm



XL INSERTS

Grasping / Scissors XL Bariatric Inserts

Ø 10 mm



1/1

insert only

300-401-085



Complete Instrument
with handle 300-750-003

300-431-085

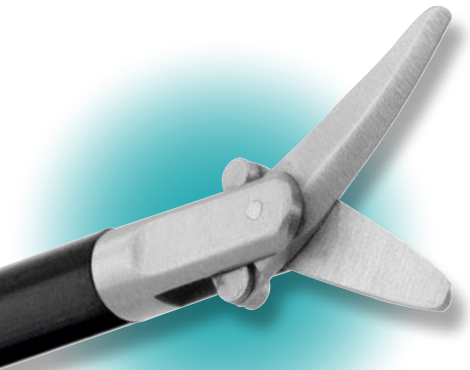


Complete Instrument
with handle 300-750-103

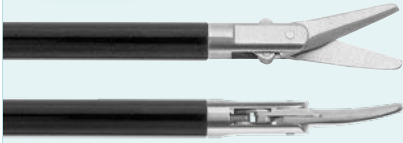
300-441-085

COLLIN

Grasping forceps, V-shaped tip with deep serrations for a firm grip, double action, Ø 10 mm, 450 mm



Ø 5 mm



1/1

insert only

300-401-067



Complete Instrument
with handle 300-750-001

300-411-067



Complete Instrument
with handle 300-750-101

300-421-067

ORIGINAL METZENBAUM

Scissors, short blades (12 mm), slightly curved, double action, Ø 5 mm, 450 mm

Ø 5 mm



1/1

300-401-070

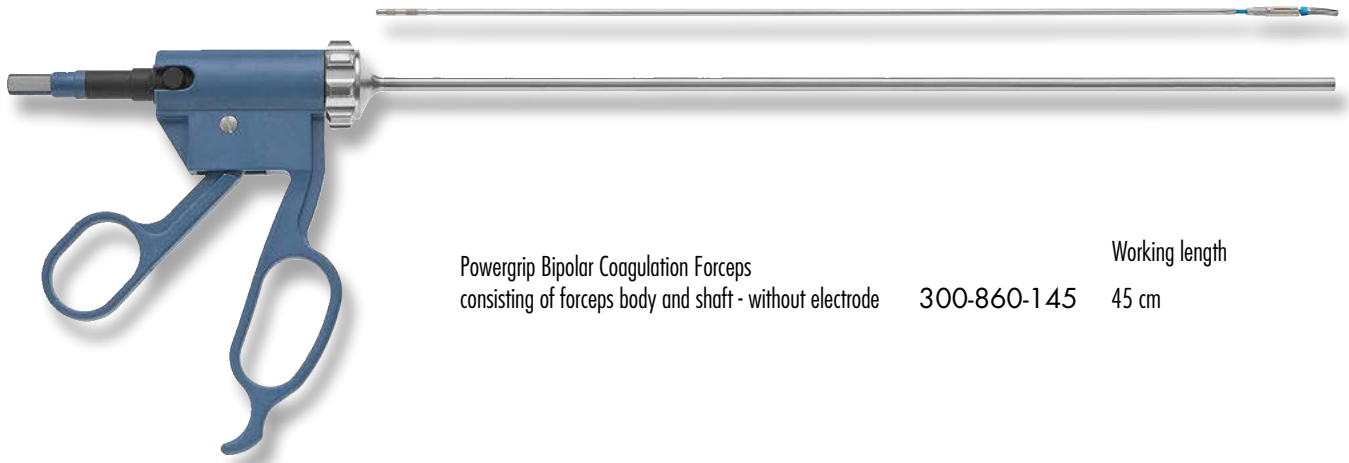
300-411-070

300-431-070

METZENBAUM

Scissors, long blades (18 mm), slightly curved, double action, Ø 5 mm, 450 mm





Powergrip Bipolar Coagulation Forceps
consisting of forceps body and shaft - without electrode

300-860-145

Working length

45 cm

Electrodes



Powergrip Bipolar Grasping Forceps, fenestrated jaws,
double action, serrated, 5 mm

300-860-023

45 cm



Powergrip Bipolar Grasping Forceps, slightly curved,
5 mm, double action

300-860-021

45 cm



Powergrip Bipolar Delta grasping forceps, 5 mm

300-860-024

45 cm



Powergrip Bipolar Grasping Forceps, 5 mm, curved

300-860-025

45 cm



Powergrip Bipolar TC-Metzenbaum Scissors, 5 mm

300-860-028

45 cm



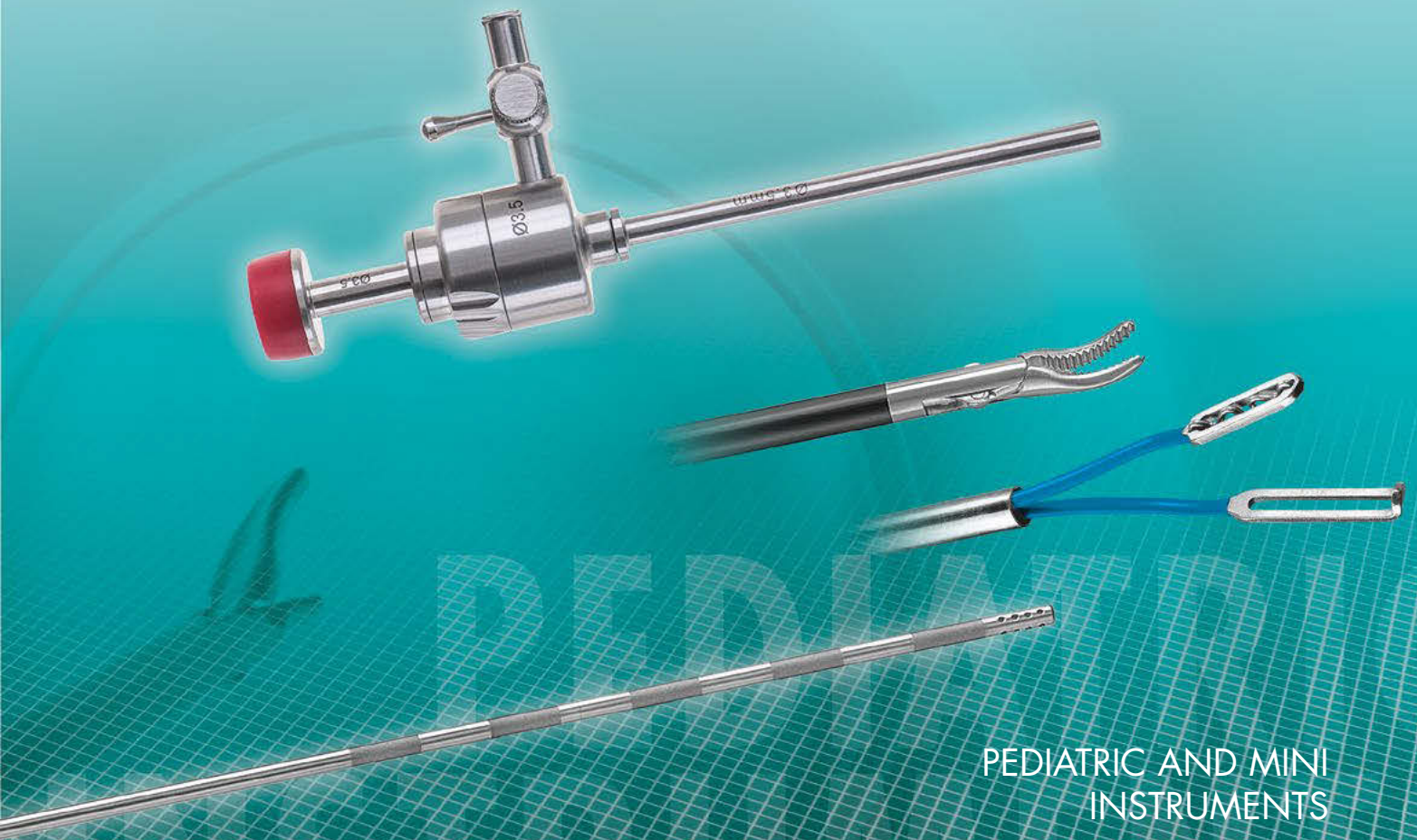
Powergrip Bipolar Maryland Insert, 5 mm

300-860-029

45 cm



Suitable Bipolar Cables are shown on pages 118 & 119








PEDIATRIC AND MINI
INSTRUMENTS

MONOPOLAR COAGULATION ELECTRODES



Monopolar coagulation electrode, \varnothing 2.8 mm.

	working length	working tips
		J-hook
300-200-132	330 mm	
300-200-232	250 mm	
		L-hook
300-200-133	330 mm	
300-200-233	250 mm	
		Ballpoint
300-200-134	330 mm	
300-200-234	250 mm	
		Spatula
300-200-131	330 mm	
300-200-231	250 mm	
		Needle
300-200-137	330 mm	
300-200-237	250 mm	



Suitable Monopolar Cables are shown on page 44
Suitable Bipolar Cables are shown on pages 118 & 119

BIPOLAR COAGULATION ELECTRODES

Bipolar coagulation electrodes, \varnothing 3 mm, 340 mm working length



300-275-002
L-hook electrode



300-275-004
V-hook electrode



300-275-015
Needle electrode



TROCAR SYSTEM

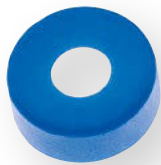
Pediatric Trocar System



Back side view with MultiPort lever

Stainless steel trocar with smooth sleeve, 70mm working length

Ø 3.5mm 300-112-035



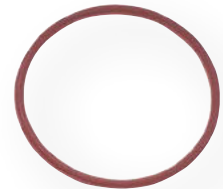
Sealing caps, colour-coded, 10 pieces

Ø 3.5mm 300-250-035 (red)



Gaskets for MultiPort Trocar System, 10 pieces

Ø 3.5mm 300-250-235 (black)

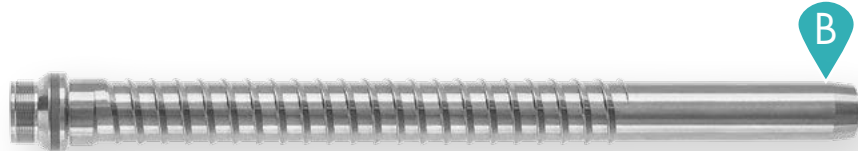
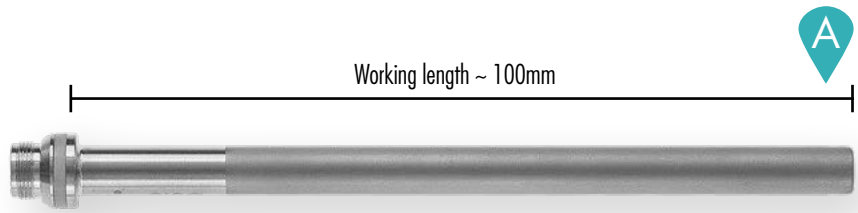


Gaskets for MultiPort Trocar System, 10 pieces

Ø 3.5mm 300-250-135



MultiPort Trocar System



SiliPort Trocar System



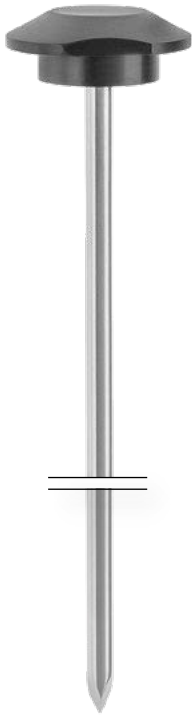
	MultiPort Trocar System 5.5mm	Siliport Trocar System 5.5mm
A Stainless steel sleeve, smooth	300-220-055	300-230-055
B Stainless steel sleeve, thread	300-221-055	300-231-055
C Stainless steel sleeve, oblique	300-222-055	300-232-055
D Synthetic sleeve, smooth	300-223-055	300-233-055
E Synthetic sleeve, thread	300-224-055	300-234-055

Please note: the previous trocar systems are still available on request.



TROCAR SYSTEM

Mini Laparoscopy



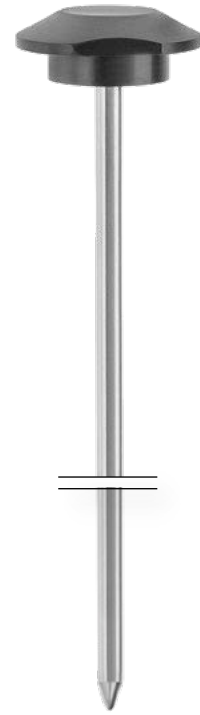
With pyramidal tip, reusable, cutting

Ø 3.5mm	300-241-035
Ø 5.5mm	300-241-055



With conical tip, reusable, cutting

Ø 3.5mm	300-240-035
Ø 5.5mm	300-240-055



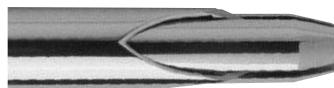
Hasson Obturator with blunt ball tip, reusable, atraumatic

Ø 3.5mm	300-242-035
Ø 5.5mm	300-242-055

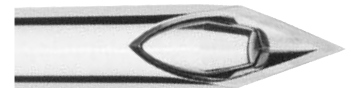


Safety Trocar

Ø 5.5mm 300-152-055



Shielded trocar tip

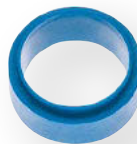


Sharp trocar tip



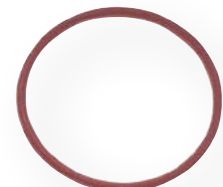
Sealing caps, colour-coded, 10 pieces

Ø 3.5mm	300-250-035 (red)
Ø 5.5mm	300-250-055 (white)



Gaskets for MultiPort Trocar System, 10 pieces

Ø 3.5mm	300-250-235 (black)
Ø 5.5mm	300-250-255 (white)



Gaskets for MultiPort Trocar System, 10 pieces

Ø 3.5mm	300-250-135
Ø 5.5mm	300-250-135



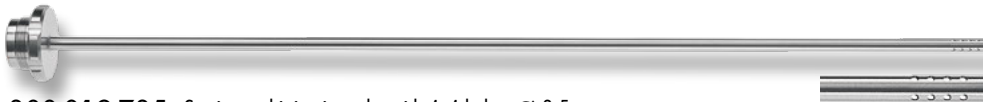
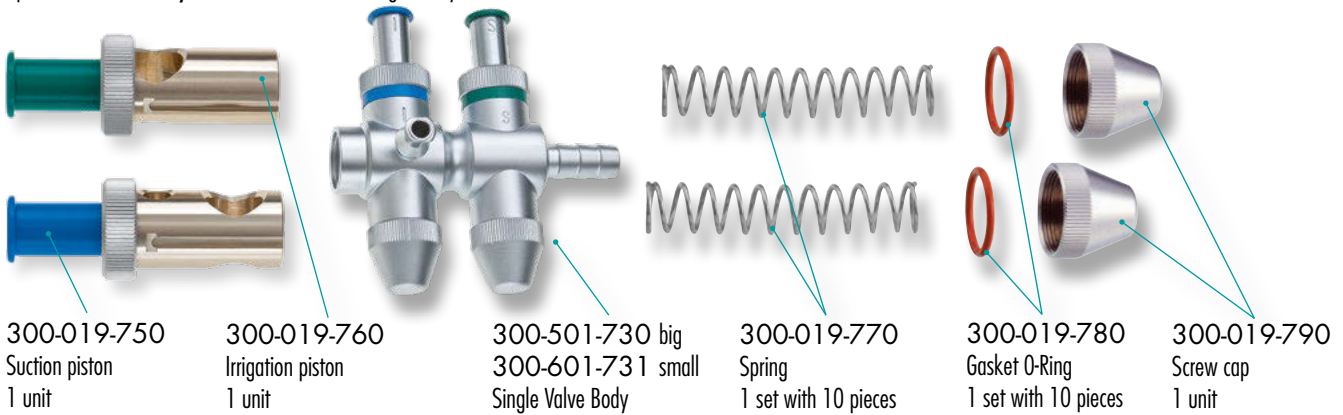
RZ EASYCLEAN MINI SUCTION AND IRRIGATION SYSTEM

With 2 colour coded trumpet valves. Universal suction channel and new designed lateral luer-lock irrigation channel



- 300-019-700 Suction and irrigation set: suction tube 300-019-735 and big valve body 300-019-501
- 300-019-701 Suction and irrigation set: suction tube 300-019-735 and small valve body 300-019-601

Spare Parts for RZ EasyClean Mini suction and irrigation system



- 300-019-750 Suction piston 1 unit
- 300-019-760 Irrigation piston 1 unit
- 300-501-730 big
300-601-731 small
Single Valve Body
- 300-019-770 Spring 1 set with 10 pieces
- 300-019-780 Gasket O-Ring 1 set with 10 pieces
- 300-019-790 Screw cap 1 unit

DICK III TC ENDOSCOPIC NEEDLE HOLDERS, Ø 3MM



STRAIGHT HANDLE

Article-No.	Jaw shape	Length
300-300-330	straight	330mm
300-300-340	left curved	330mm
300-300-341	right curved	330mm
300-300-430	straight	450mm
300-300-440	left curved	450mm
300-300-441	right curved	450mm

ANGLED HANDLE

Article-No.	Jaw shape	Length
300-300-360	straight	330mm
300-300-370	left curved	330mm
300-300-371	right curved	330mm
300-300-460	straight	450mm
300-300-470	left curved	450mm
300-300-471	right curved	450mm


LAPAROSCOPIC MICRO INSTRUMENTS

Modular laparoscopic instruments with a \varnothing 3 mm shaft are used primarily in paediatrics but are also used in bariatric surgery. The working component and shaft form a single unit. Therefore, the instruments come as standard with a LUER Lock irrigation adapter.




Peritoneal scissors working end

SCISSORS

\varnothing 3mm	
1:1	
	
330 mm	300-503-069
210 mm	300-505-069


Metzenbaum Scissors
straight, short blade: 12mm, double action

\varnothing 3mm	
1:1	
	
330 mm	300-503-060
210 mm	300-505-060

Hook Scissors
round cutting blade, single action

\varnothing 3mm	
1:1	
	
330 mm	300-503-063
210 mm	300-505-063

Peritoneal Scissors
straight, delicate, fine serrated, single action

\varnothing 3mm	
1:1	
	
330 mm	300-503-067
210 mm	300-505-067

Metzenbaum Scissors
slightly curved, short blade: 12mm, double action

\varnothing 3mm	
1:1	
	
330 mm	300-503-570
210 mm	300-505-570

Micro Scissors
straight, sharp, single action



Biopsy cup working end

BIOPSY CUP

\varnothing 3mm	
1:1	
	
330 mm	300-503-082
210 mm	300-505-082

Biopsy Cup Forceps
sharp, oval cups, double action

\varnothing 3mm	
1:1	
	
330 mm	300-503-080
210 mm	300-505-080

Biopsy Cup Forceps
sharp, oval cups, 1 pin, 1 hole, double action



Dissector working end

FORCEPS

Ø 3mm

1:1

330 mm	300-503-015
210 mm	300-505-015

Fundus Grasping Forceps
serrated, double action

Ø 3mm

1:1

330 mm	300-503-025
210 mm	300-505-025

Dolphin Dissecting Forceps
fine serrated, biopsy cup, conical shape,
double action

Ø 3mm

1:1

330 mm	300-503-731
210 mm	300-505-731

Maryland fine Dissector
serrated, curved, conical shape, double action

Ø 3mm

1:1

330 mm	300-503-021
210 mm	300-505-021

Dolphin Dissecting Forceps
fine serrated, double action

Ø 3mm

1:1

330 mm	300-503-052
210 mm	300-505-052

Johans atraumatic Grasping Forceps
fenestrated, serrated, double action

Ø 3mm

1:1

330 mm	300-503-016
210 mm	300-505-016

Needle Nose" Dissecting & Grasping Forceps
fine, conical shape, cross serrated, double action

Ø 3mm

1:1

330 mm	300-503-000
210 mm	300-505-000

Standard Grasping Forceps
biopsy cup, serrated, double action

Ø 3mm

1:1

330 mm	300-503-710
210 mm	300-505-710

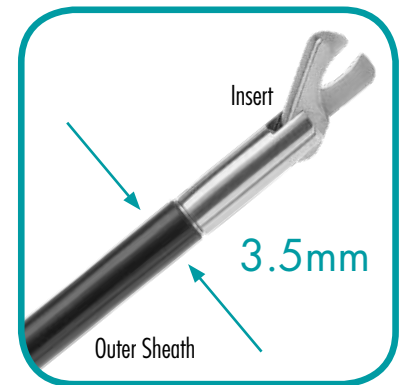
Claw Grasper Forceps
2x3 teeth, smooth, single action

3.5mm LAPAROSCOPIC INSTRUMENTS

- Stronger 3-piece detachable mini laparoscopic instruments for less invasive and scarless surgery
- Perfect combination giving stability, strength and force transmission
- Very simple cleaning, assembling and disassembling
- 3.5mm Mini Instruments designed for pediatric (250mm) and Mini Laparoscopy use



3-piece Instrument



Ø 3.5mm	
330 mm	300-660-035
250 mm	300-550-035

Outer Sheath
insulated, adaptable to all handles



Biopsy cup working end

BIOPSY CUP

Ø 3.5mm	
1:1 	
330 mm	300-403-082
250 mm	300-404-082

Biopsy Cup Forceps
sharp, oval cups, double action



3.5MM INSTRUMENTS

3.5mm Laparoscopic Instruments



Peritoneal scissors working end

SCISSORS

Ø 3.5mm	
1:1	
330 mm	300-403-060
250 mm	300-404-060

Hook Scissors
round cutting blade, single action

Ø 3.5mm	
1:1	
330 mm	300-403-069
250 mm	300-404-069

Metzenbaum Scissors
slightly curved, short blade: 12mm, double action



Forceps working end

FORCEPS

Ø 3.5mm	
1:1	
330 mm	300-403-732
250 mm	300-404-732

Kelly Dissecting Forceps
cross-serrated, slightly tapered, double action

Ø 3.5mm	
1:1	
330 mm	300-403-738
250 mm	300-404-738

Mixer Dissecting Forceps
90° angled, fine serrated jaws, double action

Ø 3.5mm	
1:1	
330 mm	300-403-015
250 mm	300-404-015

Fundus Grasping Forceps
2 cups, serrated, double action

Ø 3.5mm	
1:1	
330 mm	300-403-244
250 mm	300-404-244

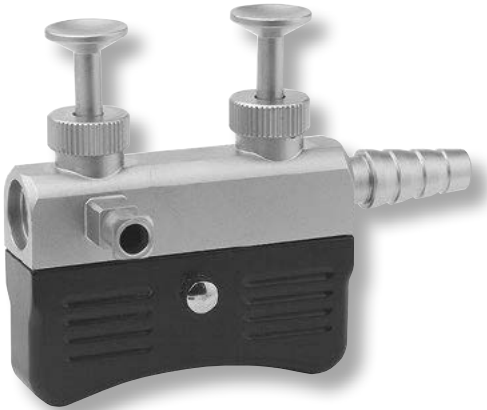
DeBaKey Grasping Forceps
25mm long, atraumatic, double action

Ø 3.5mm	
1:1	
330 mm	300-403-284
250 mm	300-404-284

Johans Grasping Forceps
20mm long, fenestrated, single action

Ø 3.5mm	
1:1	
330 mm	300-403-289
250 mm	300-404-289

Johans Grasping Forceps
20mm long, fenestrated, double action



300-165-100

Suction and irrigation handle with 2 trumpet valves. Suction channel with large universal tube connector, irrigation channel with lateral luer-lock connection. Removable ergonomic handle plate for easy cleaning and maintenance.



300-166-100

Pistol-shaped suction and irrigation handle with 2-way valve and 2 big universal tube connectors for suction and irrigation. Ergonomic handle design for optimal operating convenience.



Suction and irrigation cannula with 4 holes, Ø 3 mm.

330 mm working length	300-172-003
250 mm working length	300-172-253



Suction and irrigation cannula with 16 holes, Ø 3 mm.

330 mm working length	300-173-003
250 mm working length	300-173-253



300-192-000

Suction and irrigation handle with rotating 2-way lever mechanism and 2 big universal tube adaptor.



Suction and irrigation tube with 4 holes on the tip for use with handle 300-192-000. Markings on the tube indicate working depth during surgery.

330 mm working length	300-192-003
250 mm working length	300-192-253



Suction and irrigation tube with 4 x 4 holes on the tip for use with handle 300-192-000. Markings on the tube indicate working depth during surgery. The additional holes prevent a blocking of the suction tube in case of direct tissue contact.

330 mm working length	300-193-003
250 mm working length	300-193-253



Palpation Probe, graduated, Ø 2.8 mm.

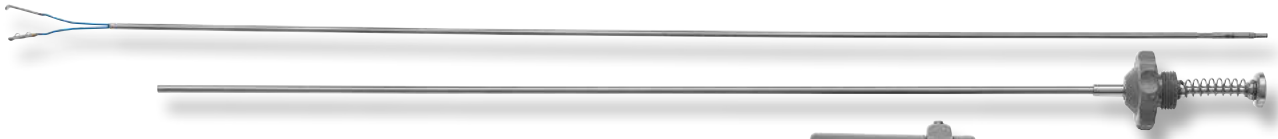
330 mm working length	300-193-303
250 mm working length	300-195-253



Injection and puncture needle, 2.8 mm, 1.2 mm sharp needle tip.

330 mm working length	300-194-303
250 mm working length	300-194-253

MICRO BIPOLAR SYSTEM



Features:

- Suits for all operations in Laparoscopy
- Especially for fine coagulation of tissue and small vessels
- Easy detachable for cleaning purposes
- Exchangeable Inserts for different applications
- Minimal incision due to 3 mm \varnothing

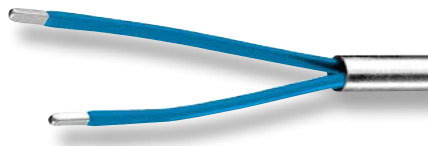


300-857-100
Bipolar Micro Coagulation Forceps 3 mm

Electrode inserts for Bipolar Micro Coagulation Forceps 3 mm



300-857-111
Micro Electrode, rippled bar



300-857-112
Micro Electrodes, fluted tip, 1mm



Bipolar Micro Electrodes, 3 mm



300-857-301
Bipolar L-Hook



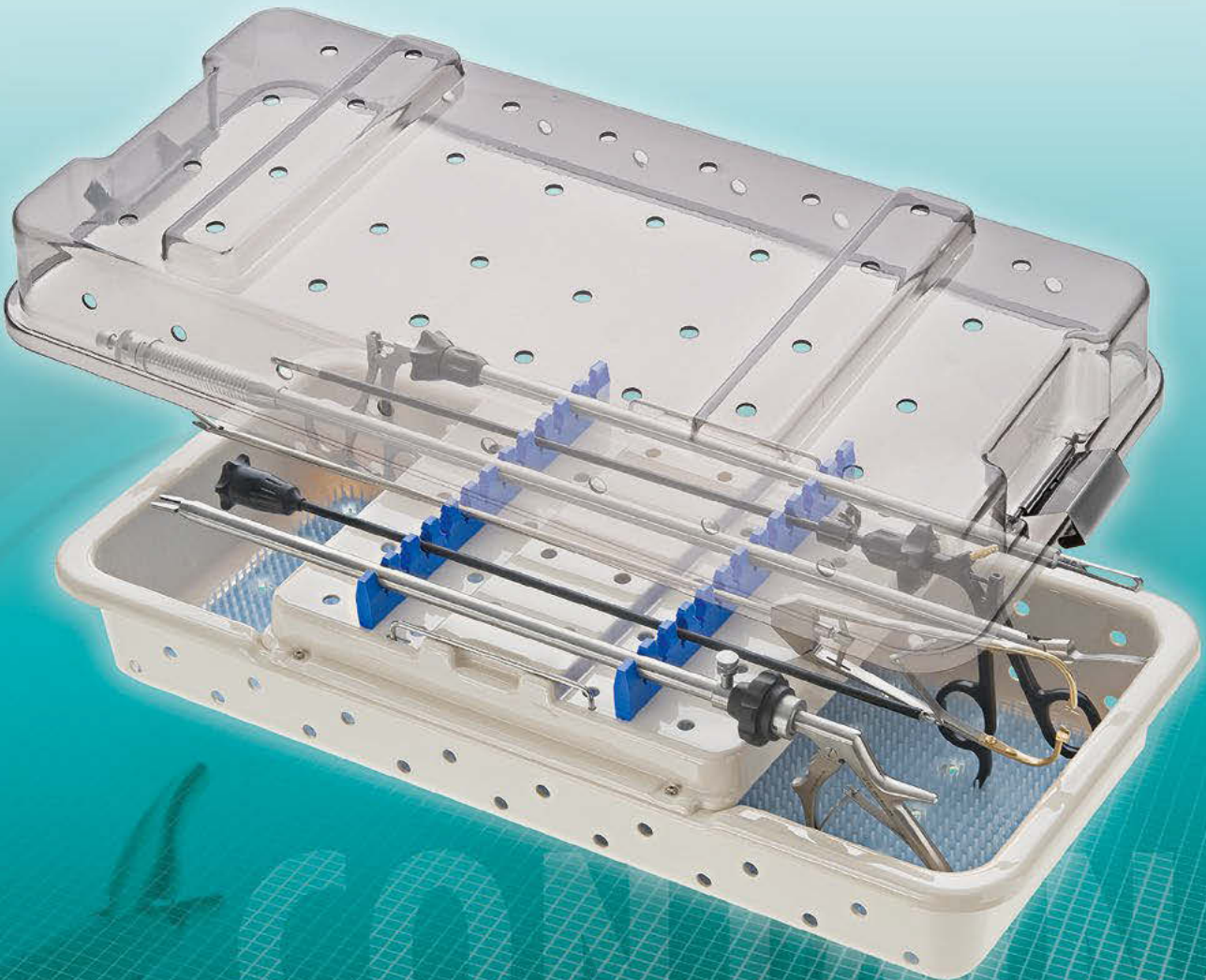
300-857-302
Bipolar V-Hook



300-857-303
Bipolar Needle



Suitable Bipolar Cables are shown on pages 118 & 119

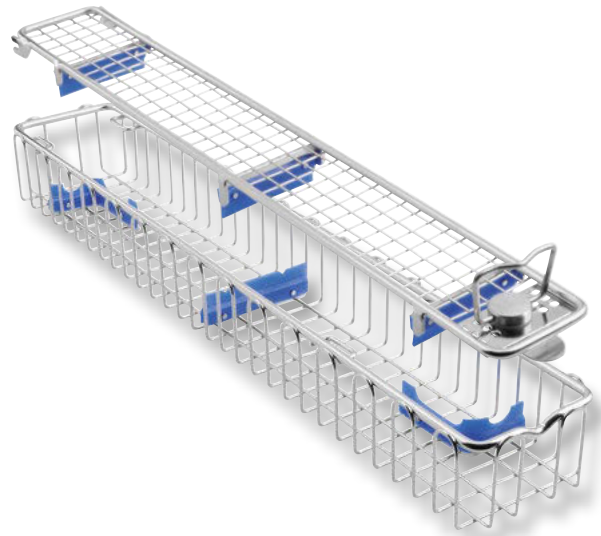


CONTAINER &
CLEANING

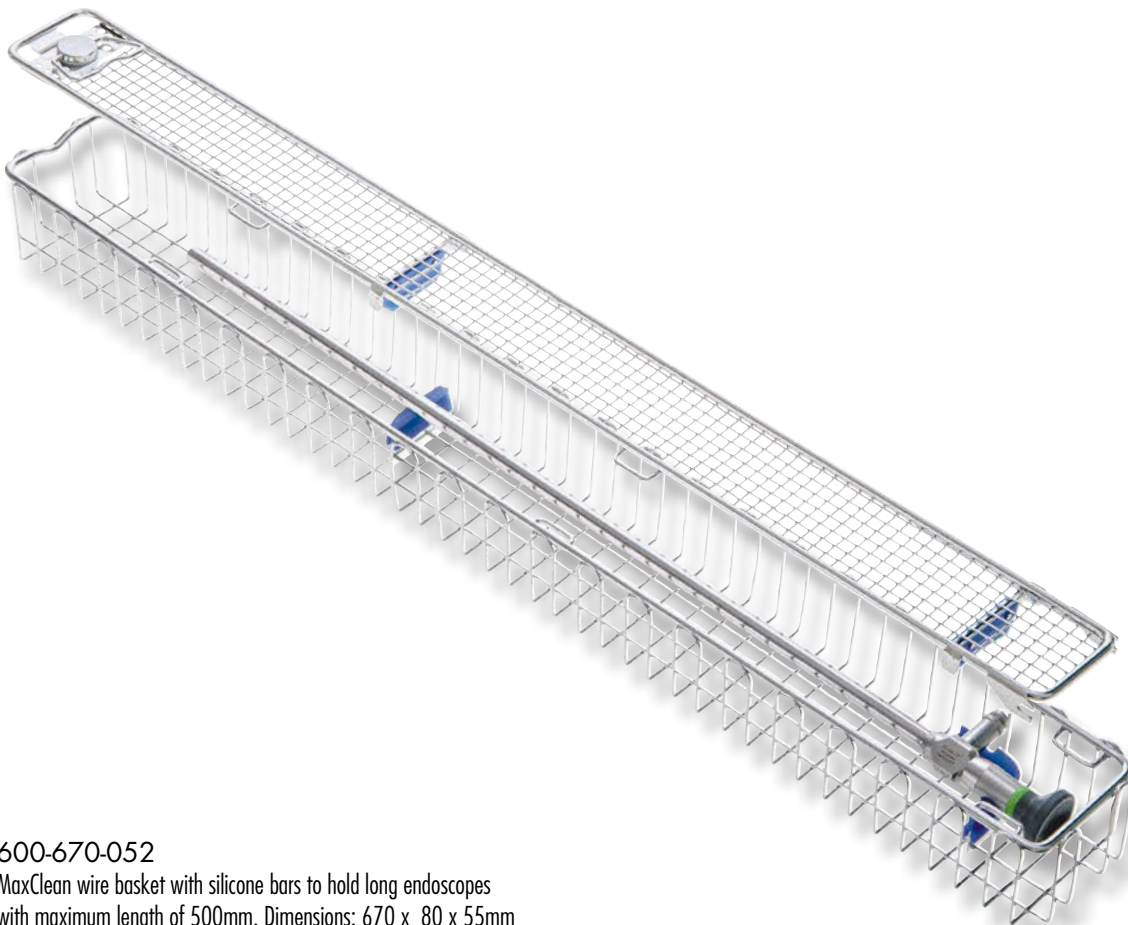
TELESCOPE STERILIZATION BASKETS



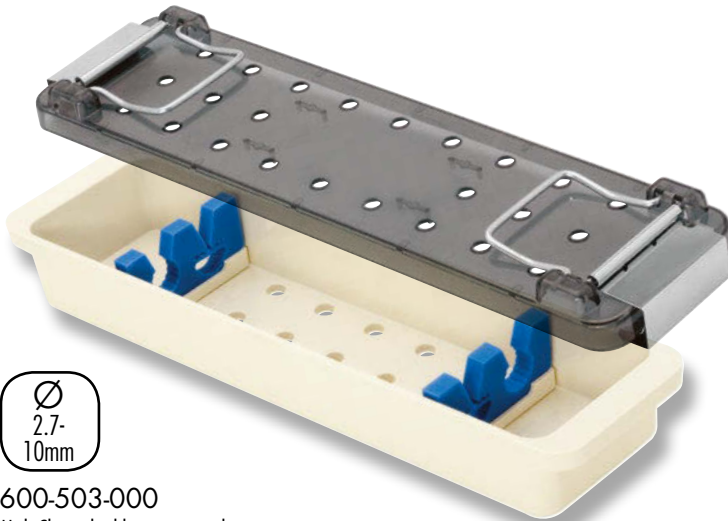
600-292-052
MaxClean wire basket with silicone bars to hold short endoscopes with maximum length of 190mm. Dimensions: 290 x 80 x 52mm



600-462-052
MaxClean wire basket with silicone bars to hold long endoscopes with maximum length of 350mm. Dimensions: 460 x 80 x 52mm

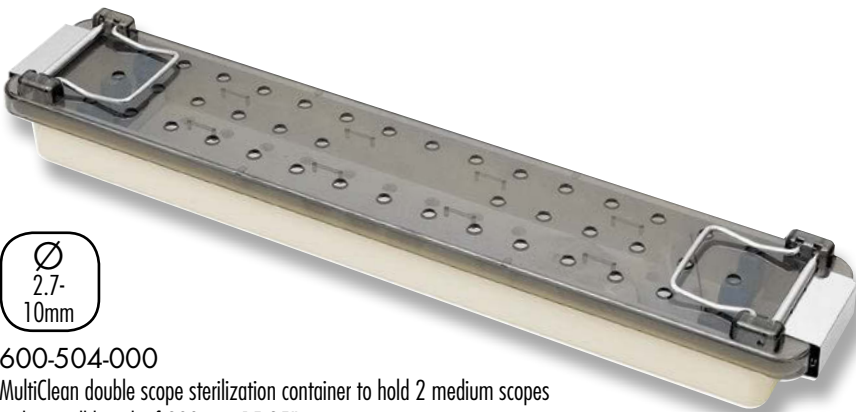


600-670-052
MaxClean wire basket with silicone bars to hold long endoscopes with maximum length of 500mm. Dimensions: 670 x 80 x 55mm



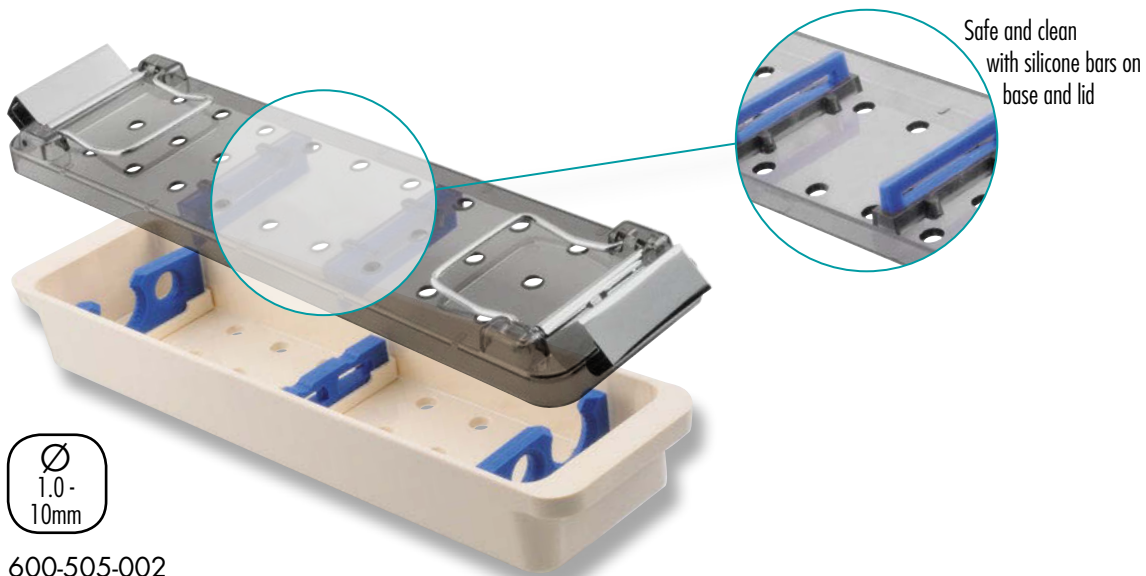
600-503-000

MultiClean double scope sterilization container
to hold 2 short scopes with overall length of 270mm, 10.63".
Dimensions: 271 x 70 x 35mm, 10.67 x 2.75 x 1.38".



600-504-000

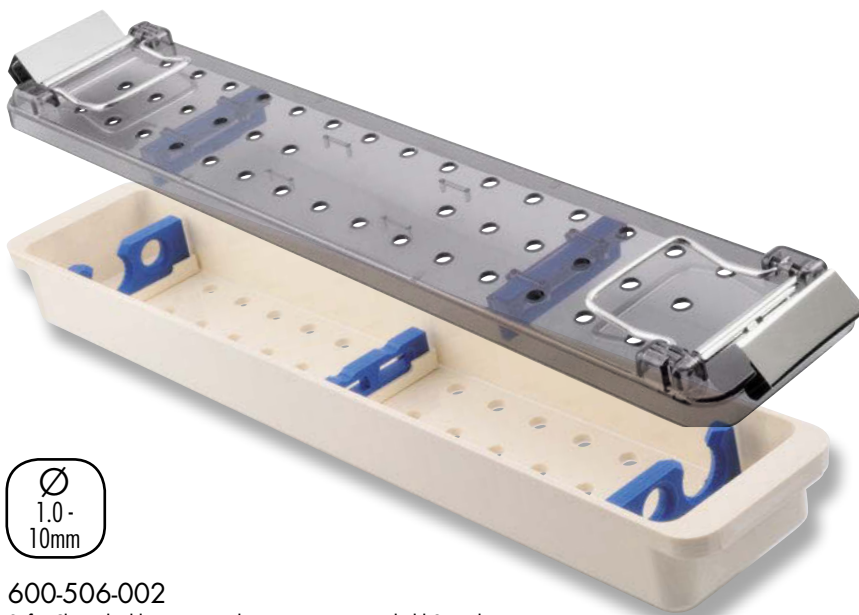
MultiClean double scope sterilization container to hold 2 medium scopes
with overall length of 390mm, 15.35".
Dimensions: 394 x 70 x 35mm, 15.5 x 2.75 x 1.38".



Ø
1.0-
10mm

600-505-002

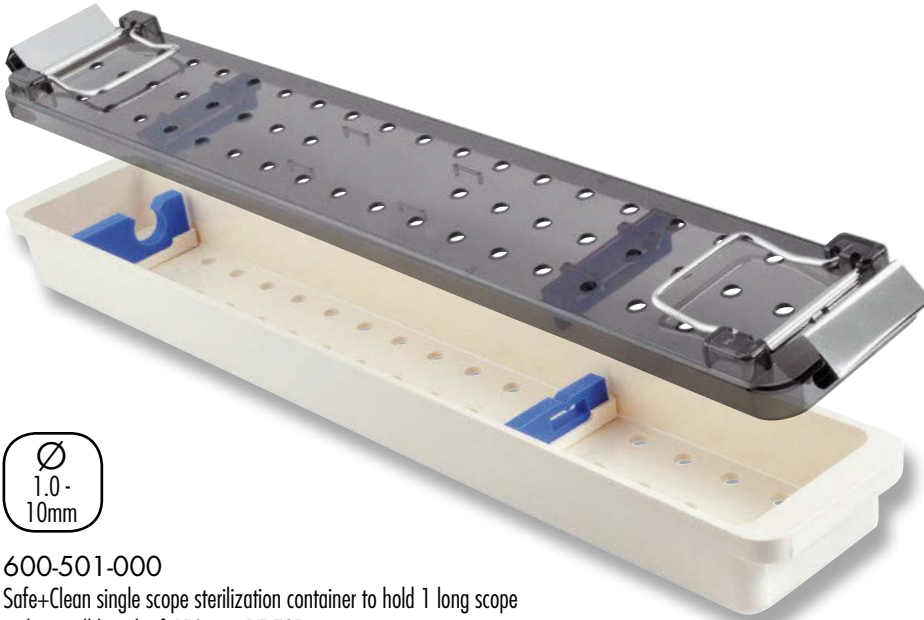
Safe+Clean double scope sterilization container
to hold 2 short scopes with maximum length of 270mm, 10.63".
Dimensions: 271 x 70 x 35mm, 10.67 x 2.75 x 1.38" with
silicone bars on base and lid



600-506-002

Safe+Clean double scope sterilization container to hold 2 medium scopes with overall length of 390mm, 15.35".

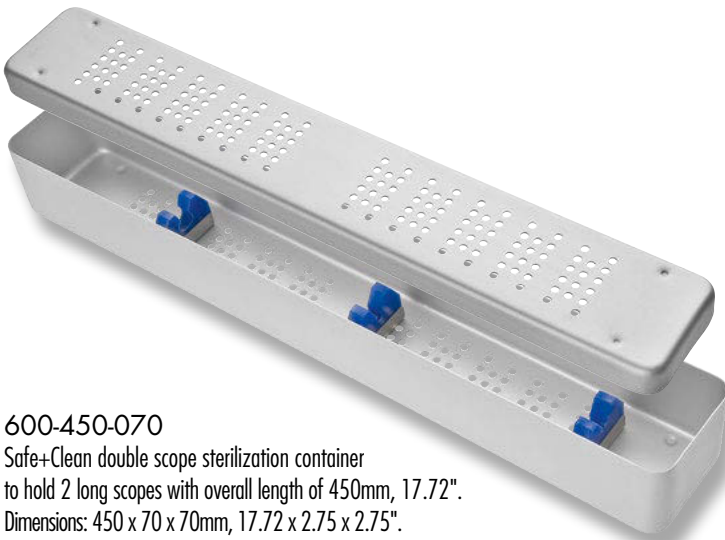
Dimensions: 394 x 70 x 35mm, 15.5 x 2.75 x 1.38"



600-501-000

Safe+Clean single scope sterilization container to hold 1 long scope with overall length of 450mm, 17.72".

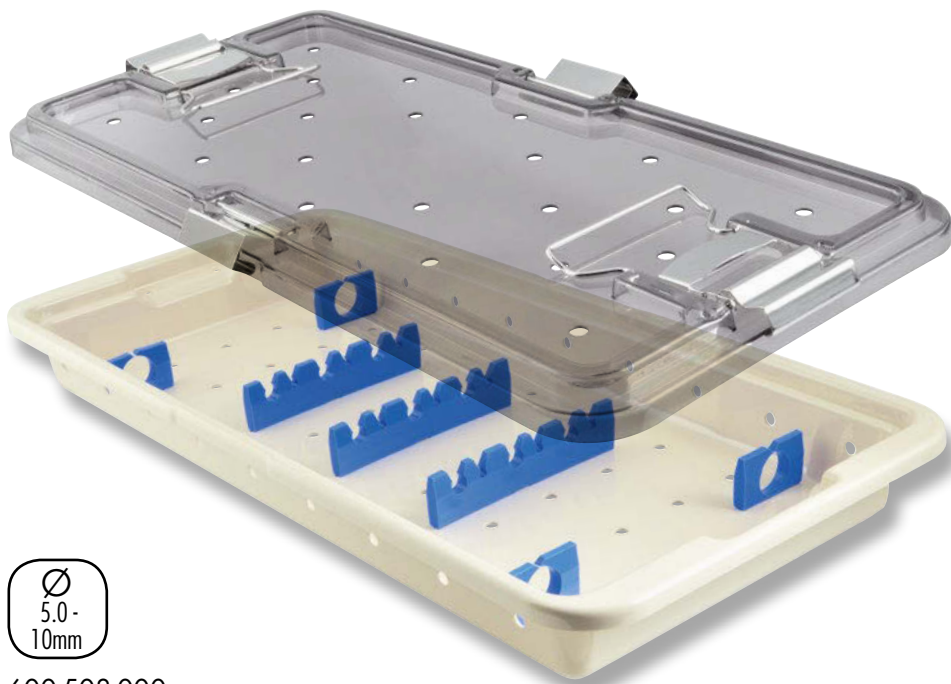
Dimensions: 457 x 70 x 35mm, 18 x 2.75 x 1.38".



600-450-070

Safe+Clean double scope sterilization container to hold 2 long scopes with overall length of 450mm, 17.72".

Dimensions: 450 x 70 x 70mm, 17.72 x 2.75 x 2.75".

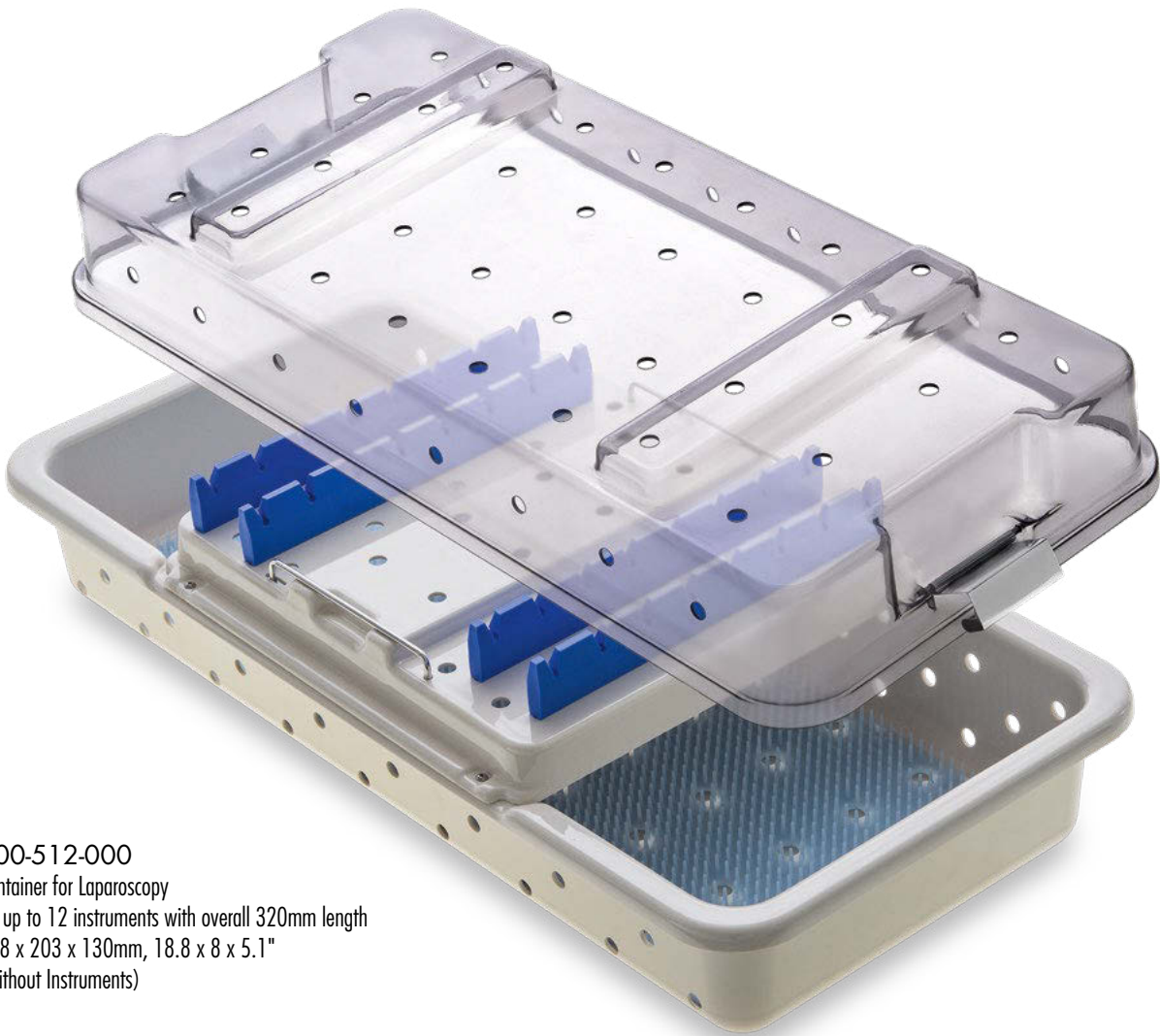


600-508-000

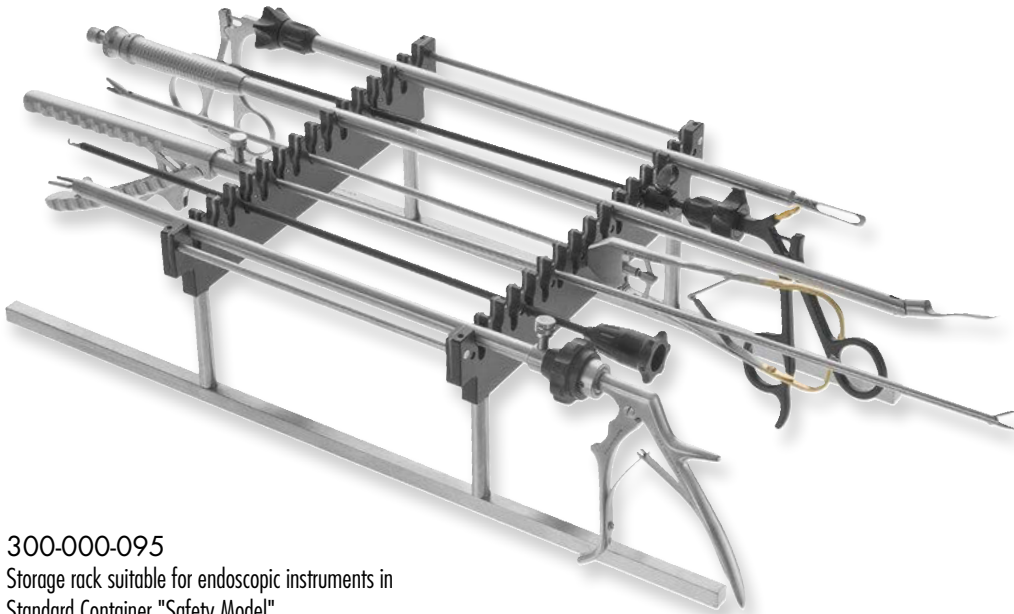
MultiClean Scope and light guide cable container to hold 3 scopes, with overall length 460mm, 18.11"
5mm or 10mm in diameter and 1 fiber optic light guide cable. Dimensions: 465 x 212 x 51mm, 18.3 x 8.35 x 2"



600-511-000
 Universal Plastic Container, suitable for
 sterilization of various instruments on 2 levels.
 Dimensions: 502 x 239 x 102mm,
 19.76 x 9.41 x 4.02"



600-512-000
Container for Laparoscopy
for up to 12 instruments with overall 320mm length
478 x 203 x 130mm, 18.8 x 8 x 5.1"
(without Instruments)

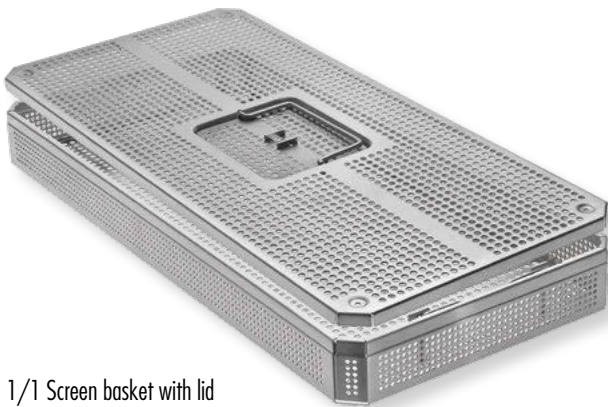


300-000-095
Storage rack suitable for endoscopic instruments in Standard Container "Safety Model"



1/1 Wire basket, rippled wire mesh

Size (LxWxH)	Order number
485x255x30 mm	600-485-030
485x255x50 mm	600-485-050
485x255x70 mm	600-485-070
485x255x100 mm	600-485-100
540x255x30 mm	600-540-030
540x255x50 mm	600-540-050
540x255x70 mm	600-540-070
540x255x100 mm	600-540-100



1/1 Screen basket with lid

Size (LxWxH)	Order number
545x255x35mm	600-540-535
545x255x55mm	600-540-555
545x255x75mm	600-540-575
545x255x105mm	600-540-605

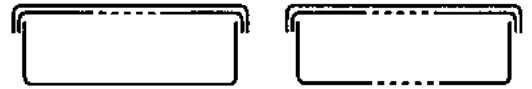


CONTAINER

Container



1/1 Safety Container,
580 x 280 x 200mm



●	600-580-201	600-579-201
●	600-580-202	600-579-202
●	600-580-203	600-579-203
●	600-580-204	600-579-204
●	600-580-205	600-579-205
●	600-580-206	600-579-206



1/1 Safety Container,
580 x 280 x 260mm



●	600-580-261	600-579-261
●	600-580-262	600-579-262
●	600-580-263	600-579-263
●	600-580-264	600-579-264
●	600-580-265	600-579-265
●	600-580-266	600-579-266



600-290-610
Paper filter STANDARD, 100 pieces per package



600-480-100
Textile filter STANDARD, 1 piece per package

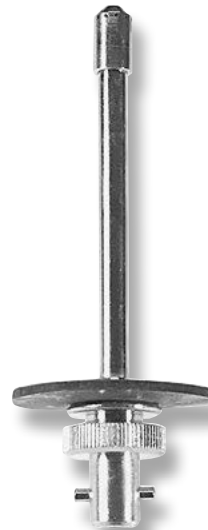


600-380-100
PTFE (TEFLON) Filter, for all standard containers,
round, 1200 steril. cycles





600-100-000
RZ-Aquajet
Water Jet Pistol compl. with 9 tips
600-100-001 to 600-100-009 and
1 m pressure tubing, with strap
and suspension hook



600-100-001
Cleansing Tip for Bottles



600-100-002
Cleansing Tip for Cones
of Record Syringes



600-100-003
Cleansing Tip for Catheters



600-100-004
Cleansing Tip for Drainage Tubings



600-100-005
Cleansing Tip for
Receptacles (Shower)



600-100-006
Cleansing Tip for hypodermic
needles with Record Cone



600-100-007
Cleansing Tip for hypodermic
needles with Luer Cone



600-100-008
Cleansing Tip for measuring
and Volumetric Pipettes



600-100-009
Cleansing Tip for (Water Jet
Filter Pump) for fine Pipettes



600-050-000
Hand brush, autoclavable (10 pcs. per box)



600-950-100
RZ - Brush dispenser
for 10 brushes with suspension hook



300-135-905
Cleaning brush for \varnothing 5 mm, 50 cm length,
(1 piece per box)

300-135-910
Cleaning brush for \varnothing 10 mm, 50 cm length,
(1 piece per box)



300-215-000
Cleaning Brush, length 215 mm, brush length 60 mm
brush \varnothing 13 mm



300-420-065
Cleaning Brush, length 420 mm, brush length 65 mm,
brush \varnothing 3 mm



700-900-149
Oil Spray (400 ml)



700-900-160
Instrument oil in 50 ml bottle



700-900-220
Special Cotton for polishing metal sheaths and instruments



700-900-250
Oil Dispenser, 140 mm



160-510-300
Cotton applicator, 300 mm, 3 prongs



430-467-170
Young tongue holding forceps
170 mm



EQUIPMENT



AIRFLOW SERIES CO2

The new AIRFLOW Series increase efficiency and safety considerably. Use either gas bottles or central gas supply. Choose your unit with gasflow power up to 45L/min and with or without an advanced, autoclavable and efficient heating system. All units display needed values easily observable. No disruption between gasflow

and pressure reading phases thanks to newest technology in CO2 Insufflation. An automatic self-check after switching on ensures the perfect function of all system components. Contamination of the gas way is eliminated by the included sterile filter.



Choose with or without gas heater



Skid-proof pedestals



Optional available:
300-902-008
CO2 Bottle, 0.75kg, empty

	AIRFLOW Series	Maximum gasflow	Heating unit
A2	300-900-020	20L/min	-
	300-900-021	20L/min	✓
A3	300-900-030	30L/min	-
	300-900-031	30L/min	✓
A4	300-900-040	45L/min	-
	300-900-041	45L/min	✓



INSUFFLATOR

Insufflator

Set includes:



Main Unit
(Mains Cable included)



Sterile Filter*
300-902-007



Wrench Set (SW30/SW17)
300-902-006



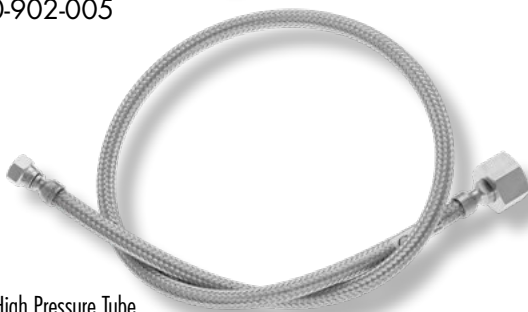
Silicone Tube (only Heater-Version)
300-902-004



Standard Silicone Tube
300-902-005



Gas heater with tube (only Heater-Version)
300-902-001



CO2 High Pressure Tube
300-902-003

* Trade Product:
Products marked with this TradeProduct-Symbol are not available with RZ-Marking and not with the CE-number of RZ.



300-000-300 LAP Suction and Irrigation Pump P 3000, complete set

This ultramodern pump system is optimized for Abdomen, Thorax and Retroperitoneum usages. With the manual control handle, suction and irrigation power can be regulated stepless and directly from the surgeon without further assistance. The operating concept of this easy to use and robust pump allows dispensation of mechanically vulnerable trumpet valves. This increases progress in surgery noticeable.

Delivery contains:

- Pump device
- Silicone Tubing Set
- Suction-Irrigation Cannula Set 5mm/10mm
- Instrument Adapter
- Manual Control Handle
- Double-Lumen Control Tube
- Mains cable
- 2 Spare fuses

Optional available:

300-000-304
Adapter with instrument connector, autoclavable

300-000-307
Pneumatic double footswitch



Complete set of suction and irrigation work element included, fully autoclavable.

Set consisting of:

300-000-301
Suction and Irrigation Tubing Set

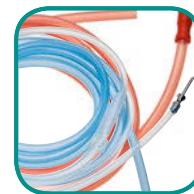
300-000-302
Cannula, Ø 5mm

300-000-303
Cannula, Ø 10mm

300-000-304
Adapter Tube

300-000-305
Pneumatic Hand Control

300-000-306
Double Lumen Control Tubing



Tubing Set included

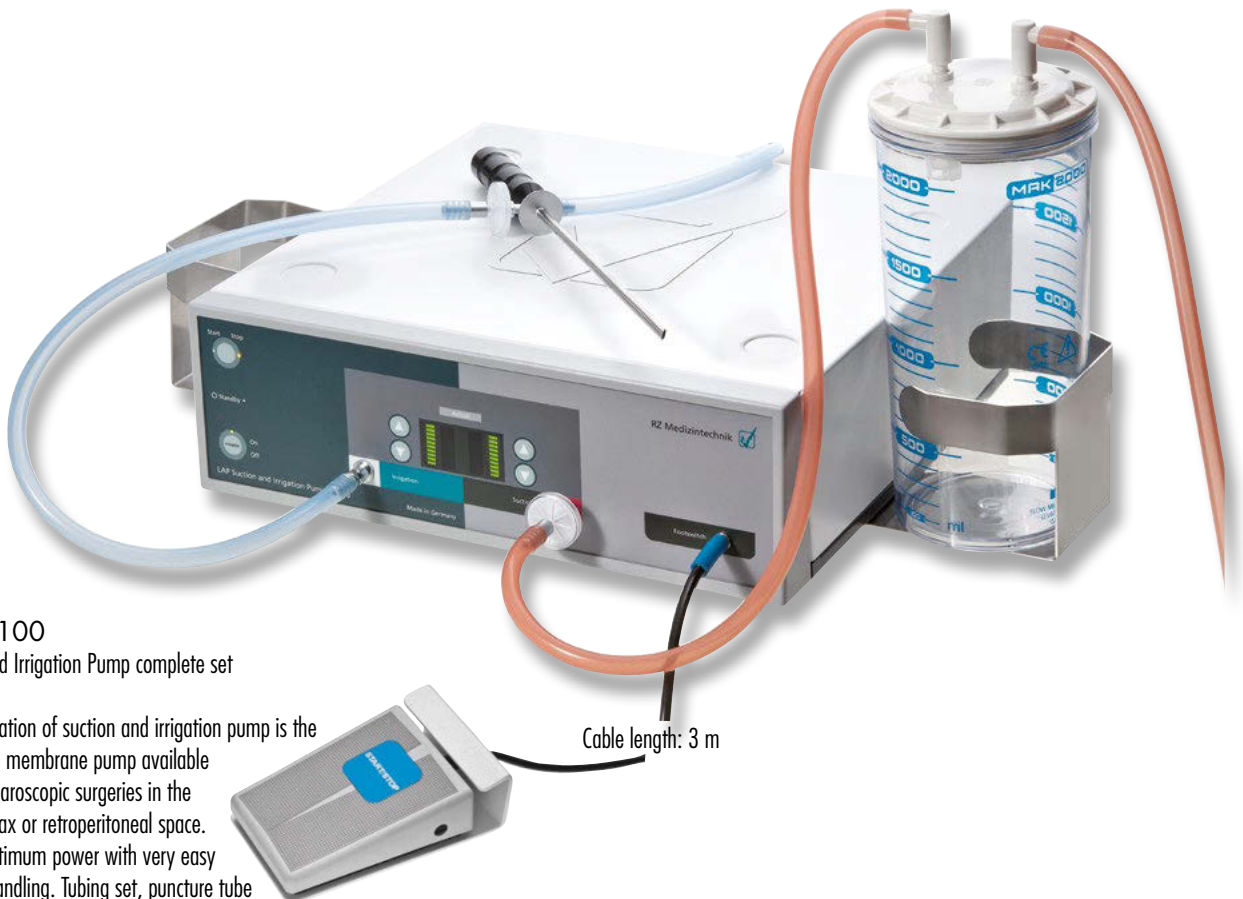
300-000-301 (included)
Tubing Set, non-sterile, autoclavable
300-000-309 (optional)
Tubing Set, single-use, sterile, moq: 200 pcs.



Splashproofed display, easy to operate



Skid-proof pedestals



300-000-100 LAP Suction and Irrigation Pump complete set

Our new generation of suction and irrigation pump is the most advanced membrane pump available from RZ for laparoscopic surgeries in the abdomen, thorax or retroperitoneal space. It combines optimum power with very easy and intuitive handling. Tubing set, puncture tube and aspiration bottle are fully autoclavable.



Cable length: 3 m

Features:

- Independently digital pre-setting for maximum suction and irrigation pressures
- Digital display of actual suction and irrigation pressures
- High efficiency with rates up to 3 L/minute
- Colour coded tubing sets
- Skid-proof pedestals
- Standby function
- Low noise level
- Optional footswitch for comfortable operation during surgery
- Hydrophobic disposable filters for maximum patient safety
- Stainless steel housing for maximum lifetime



Special filters ensure sterility



Digital display shows actual suction and irrigation pressures

Delivery contains:

- Pump device
- Suction and irrigation tubing set
- Aspiration bottle 2L with overflow valve
- 2 Retainers with screws
- Puncture tube 235mm
- 2 Hydrophobic disposable sterile filters
- Mains cable
- 2 Spare fuses

Technical data

Line Voltage	100 - 230 V
AC - Fuse	T 3.15 A L 250 V
Frequency	50-60 Hz
Power Input	80 VA
Device Type acc. to DIN EN 60601-1:2005	BF
Classified acc. to EG-Guidelines 93/42/EEC	Ila
Safety Class acc. to DIN EN 60601-1:2005	I
Irrigation Power	3 L/min
Suction Power	3 L/min
Max. Vacuum	-525 mmHg
Max. Pressure	750 mmHg
Registration	CE 0297
Measurements (WxHxD)	Device 380 x 120x 360 mm
with Aspiration Bottle-Retainers (WxHxD)	ca. 440 x 120 x 360 mm
Weight	Device ca. 11 kg
Aspiration Bottle-Retainer	(for 1 Liter=0.34 kg / 2 Liter=0.44 kg)



Full HD recording function (F4 only)



USB pen drive included (F4 only)



Ergonomic high-end camera head included

Order number	Description
300-001-800	3 Chip HD-Camera F3
300-001-804	3 Chip HD-Camera F4

FULL HD

3 Chip HD-Camera F3

The Full HD camera system generates cristal clear images of highest resolution with 1920 x 1080 pixels. The latest MOS technology produces pure natural colours for safe and unequivocal diagnoses. A user-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences.

The ergonomic camera head features 3 remote control buttons which can be programmed by the user as required during surgery. A multitude of digital video outputs allows the best possible picture transmission to the medical grade monitors.

3 Chip HD-Camera F4

The brand new F4 camera system combines our F3 system with a Full HD recording function. Pictures and videos can be stored easily on a USB pen drive. Recorded data can be used for an extensive documentation of the procedures.

Delivery contains

- Main unit
- Camera head
- HDMI-DVI cable
- HDMI cable
- S-Video cable
- Mains cable
- User manual
- USB pen drive (F4 only)

Features F3

- Full HD-Camera with latest 3-MOS technology for brilliant picture quality
- Pure Natural Colours technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors
- Ergonomic camera head with 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences

Features F4

- All features of the F3 model
- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Text generator (optional with keyboard)



VIDEO CAMERA

Image Processing Video Camera



FULL HD



300-001-616 (optional) Title generator keyboard, waterproof IP68, US-Layout, USB Connector, cable 1.8m, Colour: grey, 305x140x15mm, 600gr.



300-001-610 (optional) Footswitch for HD Cameras, cable length: 2m

300-001-802 (included) High-End 3-MOS Camera Head Full HD 1920 x 1080p

Technical data

Camera head	Aspect ratio: 16:9 Image sensor: 3 MOS Immersible (using the attached cap)
System	Image resolution: Full HD 1920 x 1080 TV resolution: > 1000 lines, horizontal Min. Sensivity: < 3 lux (1/1.4) White balance automatically, with data hold Shutter speed: 1/50 (1/60) to 1/100.000 sec Power supply: 100/240 VAC, 47-63 Hz Power consumption: 20VA (~20W) Fuses: 2 Fine fuses, 5x20 mm, delay acting 3,15 AH (I=1500A)

Technical data

Video recording (F4 only)	Video format: Full HD 1920x1080p / Mpeg4 (H.264) / Frame rate: 60 fps Image format: JPG (1920x1080)
Video out (digital)	2x HD SDI, 1x HDMI/DVI
Video out (analogue)	1x YPbPr/RGB, 1x Y/C (Pal/NTSC), 1x CVBS (Pal/NTSC)
Recording connection	1 x USB A (only F4)
Standards	Classification acc. 93/42/EEC: I Protection class: I Application part type: BF Protection type: IP21 EMC classification: 1B
Dimensions	Control unit: 380 x 131.5 x 375.5 mm (WxHxD); 11 kg Camera head: Ø38.5mm, length: 81mm, 145g



Full HD recording function
(F2 Pro only)



USB pen drive included
(F2 Pro only)



Ergonomic high-end
camera head included

Order number

Description

300-001-600

HD-Camera F1

300-001-601

HD-Camera F2 Pro

FULL HD

HD-Camera F1

The new F1 camera system fulfills the need of high resolution in video endoscopic surgery. Thanks to Full HD resolution combined with newest technology this camera generates cristal-clear images with highest attention to detail that allows better diagnostics and more efficient surgery.

HD-Camera F2 Pro

The brand new F2 Pro camera system combines our F1 system with a Full HD recording function. Pictures and videos can be stored easily on a USB pen drive. Recorded data can be used for an extensive documentation of the procedures.

Delivery contains

- Main Unit
- Camera head
- HDMI - DVI cable
- HDMI cable
- S-Video cable
- RGB-Cable
- BNC cable
- Mains cable
- Operating manual
- USB pen drive (F2 Pro only)

Features F1

- Pure Natural Colours technology
- Multitude of digital video outputs for best possible picture transmission to medical grade monitors
- Ergonomic camera head with 3 programmable remote control buttons
- User-friendly multilingual menu allows a large variety of setups for individual procedures and surgeons preferences

Features F2 Pro

- All F3 features
- Full HD 60fps video recording
- Full HD image saving
- USB pen drive included
- Text generator (optional with keyboard)



VIDEO CAMERA

Image Processing Video Camera



300-001-602 High-End 1/3" MOS Camera
(included) Head Full HD 1920 x 1080p

FULL HD



300-001-616 Title generator keyboard, waterproof
(optional) IP68, US-Layout, USB Connector,
cable 1.8m, Colour: grey,
305x140x15mm, 600gr.



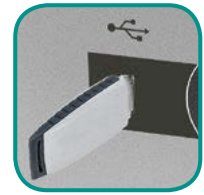
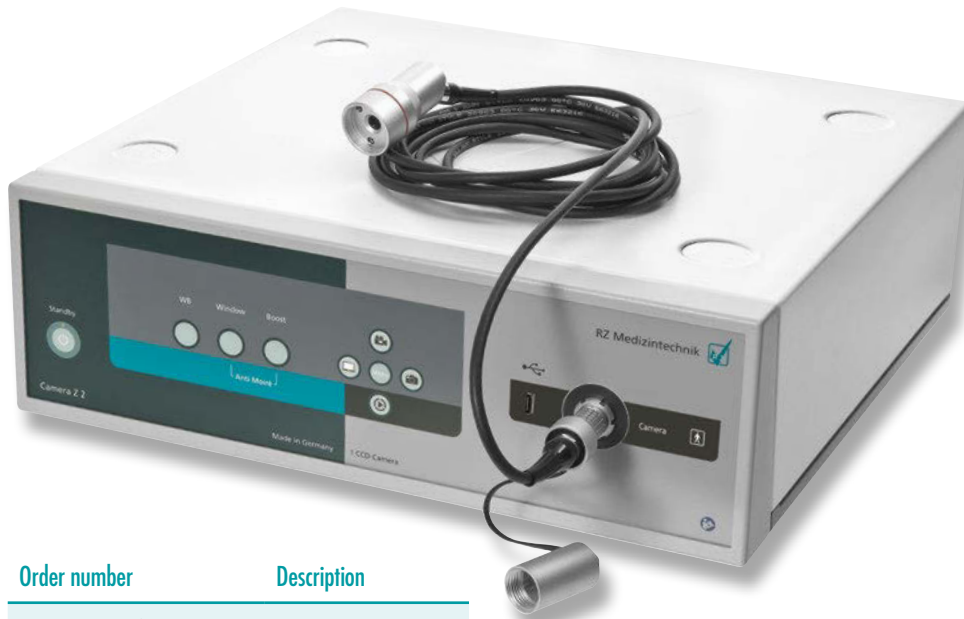
300-001-610 Footswitch for HD Cameras,
(optional) cable length: 2m

Technical data

Camera head	Aspect ratio: 16:9
	Image sensor: 1/3" MOS
	Immersible (using the attached cap)
System	Image resolution: Full HD 1920 x 1080
	TV resolution: > 1000 lines, horizontal
	Min. Sensivity: < 3 lux (1/1.4)
	White balance automatically, with data hold
	Shutter speed: 1/50 (1/60) to 1/100.000 sec
	Power supply: 100/240 VAC, 47-63 Hz
	Power consumption: 20VA (~20W)
Fuses: 2 Fine fuses, 5x20 mm, delay acting 3,15 AH (I=1500A)	

Technical data

Video recording (F4 only)	Video format: Full HD 1920x1080p / Mpeg4 (H.264) / Frame rate: 60 fps
	Image format: JPG (1920x1080)
Video out (digital)	2x HD SDI (optional), 1x HDMI/DVI
Video out (analogue)	1x YPbPr/RGB, 1x Y/C (Pal/NTSC), 1x CVBS (Pal/NTSC)
Recording connection	1 x USB A (only F2 Pro)
Standards	Classification acc. 93/42/EEC: I
	Protection class: I
	Application part type: BF
	Protection type: IP21
	EMC classification: 1B
Dimensions	Control unit: 380 x 131.5 x 375.5 mm (WxHxD); 11 kg
	Camera head: Ø 34mm, length: 78mm, 105g



USB port for use with flash drives to record data (Camera Z2 only)

Order number	Description
300-001-410	Camera Z2
300-001-400	Camera Z1

Features:

- State-of-the-art CCD-Camera, true colour reproduction
- All features of the camera can be directly controlled and set up on a menu
- To be prepared to work under extreme illumination conditions, the control unit offers further features to improve the image quality (WINDOW- and PEAK-function)
- Lightweight camera head ensures fatigue-free working
- USB Video and Image recording (Camera Z2 only)

Delivery contains:

- CCU • Camera head • USB cable • Composite cable
- YPbPr/RGB cable • BNC cable • Jack cable
- 4GB USB Stick (Camera Z2 only) • Mains cable • User manual

Technical data

Camera head	Aspect ratio: 4:3
	Image sensor: 1/3" CCD
	Immersible (using the attached cap)
System	Image resolution: PAL 752 H x 582 V NTSC: 768 H x 494 V
	TV resolution: 740 lines
	Min. Sensivity: 1 lux (1/1.4)
	White balance automatically, with data hold
	Shutter speed: 1/50 (1/60) to 1/100.000 sec
	Power supply: 100/240 VAC, 50-60 Hz
	Power consumption: 20VA (~20W)
	Fuses: 2 Fine fuses, 5x20 mm, delay acting 3,15 AH (I=1500A)

Technical data

Video out (digital)	1x SDI, 1 x USB (Camera Z2 only)
Video out (analogue)	1x YPbPr/RGB, 2 x Hosiden (Y/C), 2 x CVBS (1Vpp/75Ω), BNC
Recording connection	1 x USB A (Camera Z2 only)
Standards	Classification acc. 93/42/EEC: I
	Protection class: I
	Application part type: BF
	Protection type: IP21
Dimensions	EMC classification: 1B
	Control unit: 380 x 131.5 x 375.5 mm (WxD); 11 kg Camera head: Ø29mm, length: 55mm, 80g

DAVID INSTINCTIVE DIAGNOSTIC & RECORD CENTRAL DATA SOFTWARE

Software system for the collecting and archiving of video findings in the medical field based on state-of-the-art PC technology Windows VISTA / XP, DirectX, DV digital Video – device independent

Multilingual

English, French, German, Italian, Russian, Spanish

Intuitive

dialog-oriented user interface for smooth integration into everyday practice

Ready for network

one point data storage and simultaneously video recordings

Integrated license module

after a demo period of 30 days the software needs to be activated via an activation key

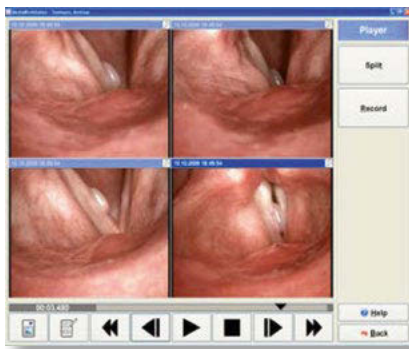


300-001-190

Software, full Version

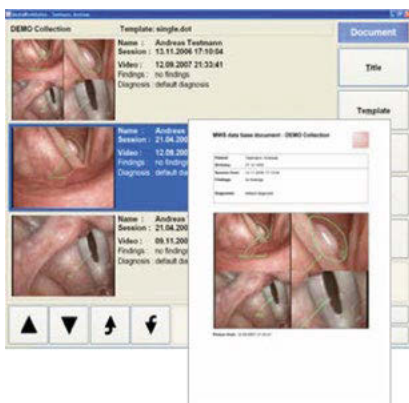
300-001-192

Software, without recording possibilities (e.g. for computers located in another room or office)



Diagnostics & Results

- high video and freeze image quality / natural reproduction of motion sequences
- Multiple-split display during recording and playing
- automatic optimization of stroboscopic recordings
- recording controllable by foot or camera switch
- simple-to-use video cut function
- integrated database of findings and diagnoses allows quick workflow
- integrated On-Screen-Keyboard for touch screen displays



Recordings & Documentation

- graphics marks for emphasizing of findings
- MPEG2 video export with optional overlay of patient data and session comments
- integrated CD/DVD recording
- image export in the DICOM format
- Compare-function for videos and pictures
- automatic creation of diagnostic letters in MS Word format with freely definable document templates
- textual export of patient and diagnostic data for passing on and statistical evaluations



Management

- patient data is stored in structured database
- automatic assignment of videos, findings, diagnoses and comments to patients and data sets
- search and edit functions
- drag'n'drop import of pictures and documents
- native support for MediCapture USB sticks
- data exchange with other systems via remote interface
- user management for controlling access and edit rights



LIGHT CABLE

Fiber Optic Light Cables



Fiber optic light cable, without adaptor pieces

250-025-230	∅ 2.5 mm, 2300 mm
250-025-300	∅ 2.5 mm, 3000 mm
250-035-180	∅ 3.5 mm, 1800 mm
250-035-230	∅ 3.5 mm, 2300 mm
250-035-300	∅ 3.5 mm, 3000 mm
250-048-180	∅ 4.8 mm, 1800 mm
250-048-230	∅ 4.8 mm, 2300 mm
250-048-300	∅ 4.8 mm, 3000 mm

FIBER OPTIC CABLE

	∅ 2.5mm	∅ 3.5mm	∅ 4.8mm	
ENDOSCOPES	∅ 2.9mm	✓	✓	X
	∅ 4mm	X	✓	X
	∅ 5mm	X	X	✓
	∅ 10mm	X	X	✓

COMPATIBILITY NOTE: A fiber optic cable with a bigger opening **does not** increase the light output of an instrument with a small opening.

For example: a ∅ 4.8mm fiber optic cable adapted to a ∅ 2.9mm or ∅ 4mm endoscope may lead to burning at the light entry of the endoscope and even endanger the patient.

Adaptor pieces for fiber light cable for use with telescope



250-042-000 RZ/Storz/Olympus



250-040-000 Wolf



250-041-000 ACMI/British Standard

Adaptor pieces for fiber light cable for use with light source



250-039-000 RZ/Storz



250-037-000 Wolf



250-038-000 ACMI/British Standard /CUDA



250-044-000 Olympus



250-048-000 Luxtec



250-052-000 Heine



250-051-000 Stryker



250-059-000 Pentax



250-042-000 RZ/Storz/Olympus Telescope adaptor



Ordering Example:
250-048-180 Fiber optic light cable + 250-039-000 RZ/Storz light guide Adaptor



LIGHT SOURCE

Illumination LED Light Source



Automatic light control



Controlable daylight quality

PHASER® TECHNOLOGY

LUMEN LED 3

Latest PHASER® technology for unsurpassed medical lighting. Excellent light sources are characterized by high colour rendering, high luminance and a very low ultraviolet and infrared radiation. With the LUMEN LED 3 light source RZ Medizintechnik offers the latest technology in medical lighting, Made in Germany. Whether the light source is used with modern head lights or in endoscopic surgeries, the new PHASER® technology always generates enough light for meaningful pictures.

Features

- 30.000h lamp lifetime
- Latest PHASER® technology
- Waterproof touch control panel
- High colour rendering
- High luminance
- Daylight colour temperature
- Low noise level
- No UV or IR light
- Low power consumption

Delivery contains

- Main unit
- BNC cable
- Mains cable
- User manual

Order number	Description
300-900-300	LUMEN LED 3 High Intensity Light Source

Technical data	
Mains voltage	100-240 VAC, 47-63Hz
Power consumption	max. 200VA (±10%)
Mains fuses	2 fine fuses, 5x20mm, delay acting 6.3 AT, with high breaking capacity (I _a = 1500 A)
LED lifetime	30.000h
Colour temperature	6000K (±500K)
Light guide connection	RZ / STORZ compatible
Video in terminal	1 x Video (VBS)
Service	1 x RJ45
Storage temperature	-20°C to +60°C
Operation temperature	+10°C to +40°C
Relative humidity	Storage: 10% to 90% Operation: 30% to 75%
Atmospheric pressure	Storage: 600mbar to 1300mbar Operation: 700mbar to 1060mbar
Application part type	BF
Test according to	IEC 601-1ff, EN 60601-1ff
Classification acc. 93/42/EEC	I
Dimensions	380 x 131.5 x 375.5mm (W x H x D)
Weight	approx. 12 kg



Automatic or manual light intensity control



Digital light intensity display

LUMEN LED 1

Benefitting from the newest LED technology, this light source offers increased luminous efficiency by lowest heat conduction and operating costs. The daylight quality LED lamp lifetime is more than 20.000 hours to provide enhanced working.

Features

- 20.000h lamp lifetime
- Manual or automatic light control
- Waterproof touch control panel
- Low heat conduction by improved LED technology
- Boost function: temporarily increase of light power of 20% additionally to the 100% light output

Delivery contains

- Main unit
- BNC cable
- Mains cable
- User manual

Order number

300-900-180

Description

LUMEN LED1 High Intensity Light Source, 180W

Technical data

Mains voltage	100-240 V AC, 47-63Hz
Power consumption	max. 100VA (±10%)
Mains fuses	2 fine fuses, 5x20mm, delay acting 6.3 AT, with high breaking capacity (I _a = 1500 A)
LED lifetime	20.000h
Colour temperature	6500 K
Light guide connection	RZ / STORZ compatible
Video in terminal	1 x Video (VBS)
Service	1 x RJ45
Storage temperature	-20°C to +60°C
Operation temperature	+10°C to +40°C
Relative humidity	Storage: 10% to 90% Operation: 30% to 75%
Atmospheric pressure	Storage: 600mbar to 1300mbar Operation: 700mbar to 1060mbar
Application part type	BF
Test according to	IEC 601-1ff, EN 60601-1ff
Classification acc. 93/42/EEC	I
Dimensions	380 x 131.5 x 375.5mm (W x H x D)
Weight	approx. 8.5 kg



X7 HIGH END

Xe⁵⁴non HALOGEN



X5

Xe⁵⁴non

300-001-308 LUMEN X7

300-001-305 LUMEN X5

- 2 turret adapters (revolvable)
- RZ, Storz • Wolf • Olympus • ACMI

- 1 turret adapter (revolvable)
- RZ, Storz • Wolf • Olympus • ACM

300 Watt Xenon arc lamp
LED 150 Watt (approx. 250 Watt Halogen) spare lamp

300 Watt Xenon arc lamp
-

Power Consumption: 370 Watt

Power Consumption: 370 Watt

These new high-performance Xenon daylight sources provide excellent illumination and a long lamp lifetime for at least 500 hours. After activating the automatic function and with plugged BNC-Cable, the device automatically controls the

intensity to guarantee the optimal image for the surgeon. The turret adapter enables an universal connection of the most common light guides.

Features:

- Automatic light intensity control • Pure daylight quality • Easy lamp replacement • > 500hr lamp lifetime
- Mechanical diaphragm to adjust the output intensity without any influence on the colour temperature

Delivery contains:

- Light Source • BNC Cable • Mains Cable • User Manual



Automatic and manual light control



Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt
300-001-301 XENON Spare Lamp 300 Watt

Technical data

Power supply	100-240 V AC, 50-60 Hz
Fuses	2 fine fuses, 5x20mm, delay acting 6.3 AT
Video In	1 x VBS (1Vpp/75Ω), BNC only)
Protection Class	I

Application part	Type BF
Classification	IEC 601-1, EN 60601-1
CE marking according to	MDD 93/42/EWG
Dimensions (WxDxH)	380 x 120 x 360 mm
Weight	approx. 11kg



X3

Xe⁵⁴non

300-001-300 LUMEN X3

300 Watt Xenon arc lamp

Power Consumption: 370 Watt

Pure daylight quality together with low noise and heat conduction - this Xenon Light Sources offers all functions needed to illuminate the field of view. The lamp can be replaced simply.

Features:

- Manual light intensity control
- Pure daylight quality
- Easy lamp replacement
- > 500hr lamp lifetime
- Lap fixed in a reflector - calibration is not necessary
- Mechanical diaphragm to adjust the output intensity without any influence on the colour temperature
- RZ/Storz light guide

Delivery contains:

- Light Source
- BNC Cable
- Mains Cable
- User Manual



Manual light intensity control



Lamp lifetime indicator



300-001-181 XENON Spare Lamp 180 Watt
300-001-301 XENON Spare Lamp 300 Watt

Technical data

Power supply	100-240 V AC, 50-60 Hz
Fuses	2 fine fuses, 5x20mm, delay acting 6.3 AT
Video In	1 x VBS (1Vpp/75Ω), BNC only)
Protection Class	I

Application part	Type BF
Classification	IEC 601-1, EN 60601-1
CE marking according to	MDD 93/42/EWG
Dimensions (WxHxD)	380 x 120 x 360 mm
Weight	approx. 11kg



LIGHT CABLE TESTER

Fiber Optic
Light Cable Tester



250-930-100
Fiber optic Cable Testing Unit
for RZ - Fiberoptic Lightcable



Connect Fiber optic Cable's - Instrument end
on the left ("out")



Plug in remaining end of Fiber optic Cable on the
right ("in")

Display 70% - 100% : Cable OK
Display <70% : Cable defect

250-930-103
Fiber optic Cable Testing Unit
for WOLF - Fiberoptic Lightcable

250-930-104
Fiber optic Cable Testing Unit
for ACMI - Fiberoptic Lightcable

250-930-105
Fiber optic Cable Testing Unit
for OLYMPUS- Fiberoptic Lightcable



Electrosurgical Generator G400

- Automatic power regulation
- Detects and identifies connected instrument, and selects the appropriate program automatically (SDS plug only)
- Powerstart System eases the beginning of cutting process
- 105 various automatic programmes in 7 groups
- Real-time monitoring of output parameters
- For bipolar TUR-B/P and monopolar TUR-P

Delivery contains

- Main Unit, mains cable, operating manual

Power Supply

Power supply voltage	230V ± 10% 50Hz or 110V ± 10% 60Hz
Nominal power consumption	770 VA

Argon

Argon-type	4.8 (99,998%) or higher
Gas input pressure	0.25–0.4 [MPa]
Gas outflow	0.1–10.0 [l/min]
Adjustment	0.1 l/min throughout the range
Pressure measurement	Reducer (with manometer) (0.4 [MPa]) on argon cylinder

Other

Device dimensions	495 x 415 x 225mm, with display
Weight	12.2kg

Order number Description WITHOUT ARGON

700-350-400	Electrosurgical Generator G400, 230V
700-350-410	Electrosurgical Generator G400, 110V

Order number Description

700-350-420	Electrosurgical Generator G400, 230V, with Argon
700-350-430	Electrosurgical Generator G400, 110V, with Argon

Safety conditions – Electric shock protection

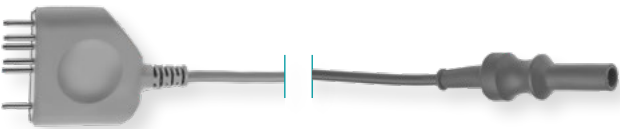
Class/Grade	I/CF
Protection degree	IP2X
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Generator operation frequency	333kHz
Defibrillation impulse resistance	acc. to EN 60601-1
High-frequency leakage currents	acc. to IEC 60601-2-2
Defibrillation impulse resistance	acc. to EN 60601-1
NEM system	neutral electrode control optical indication 7 levels required resistance < 240 Ω
Manufactured and tested	acc. to EN60601-1, EN60601-2-2
Protection degree	IP2X



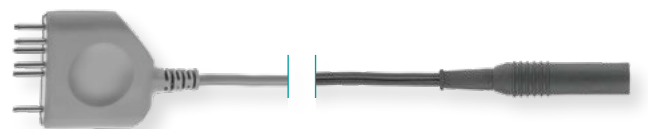
Order number	Length	Description
700-350-405	5m	2-Button-Footswitch




Order number	Length	Description
700-350-404	5m	2-Button-Footswitch, Quick Access Key



Order number	Length	Description
700-501-300	3m	Monopolar Cable, SDS to 4mm female
700-501-500	5m	Monopolar Cable, SDS to 4mm female

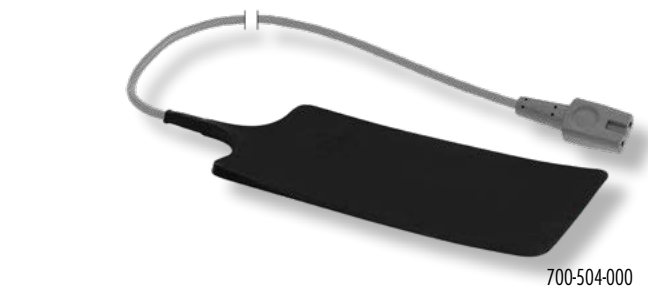


Order number	Length	Description
700-500-300	3m	Bipolar Cable, SDS to straight connector
700-500-500	5m	Bipolar Cable, SDS to straight connector

 Many other accessories are available on request.
Feel free to contact your area manager!

OTHER ACCESSORIES

Order number	Description
700-504-000	Reusable Neutral Electrode, 30x17cm, 4m
700-801-100	Rubber Band for Fixation of Neutral Electrodes, 100cm
700-801-900	Button for Rubber Band
700-503-003	Cable for Disposable Neutral Electrode, 5m
700-503-002	Cable for Disposable Neutral Electrode, 3m





The RZ iLumen Endovue offers a high definition interface (HDTV) featuring high brightness, high resolution, exceptional contrast, and true colour reproduction with unsurpassed visual quality. The RZ iLumen delivers the key advantages of the series from RZ in environments where only video-based images are required. Multiple sizes and high flexibility make it ideal for a wide variety of surgical and other applications.

High Definition Imaging, Superior Clarity, Consistency, Quality, Fastest Response time (10-16ms), Widest Viewing Angle, Widest colour Gamut, Programmable User and Modality Preferences, Re-Drive Capability Enables Image Viewing on Multiple Displays, Video-Switching with Serial Port Interface, Save low Voltage 24 VDC Remote Power, Compact and lightweight.

Model / Type	300-001-145	300-001-149	300-001-146
Size	15" / 20.0 x 9 inches	19" / 14.8 x 11.9 inches	24" / 20.4 x 12.8 inches
Resolution	1024x768 (XGA)	1280x1024 (SXGA)	1920x1200 (WUXGA)
Signal Input	SVideo, Composite, RGBS, DVI		
Viewing angle	178°		
LCD Panel	TFT Active Matrix		



The RZ HD iLumen RADIANCE surgical flat panel display is the worldwide LCD monitor of choice for surgeons and operating rooms. Its superior HDTV capabilities including HD – SDI and YPbPr – and sophisticated signal processing produce sharp, accurate, true and very bright images. The RZ iLumen is the only medical-grade flat panel for simultaneous use as a Radiology, Fluoroscopy, Physiology, and/or minimally Invasive Surgery display.

Full HD and Digital Capable, Full Range of Analog Surgical Inputs, DICOM Response DVI Input for PACS, Fingertip/Footswitch Instant Remote Switching between sources, High Resolution, High Bright LCD with Wide Viewing Angle, Fully Compliant Medical Grade, FDA, UL and CE Approved, Re- Drive Capability Enables Image Viewing on Multiple Display, Traditional 4:3 Aspect Ratio, Surgeon- Specific User Selectable Settings.

Model / Type	300-010-219	300-010-224	300-010-226	300-001-232
Size	19" / 14.8 x 11.9 inches	24" / 20.4 x 12.8 inches	26" / 22.7 x 12.7 inches	32" / 27.5 x 15.4 inches
Resolution	1280x1024 (SXGA)	1920x1200 (WUXGA)	1920x1080 (FULL HD)	1920x1080 (FULL HD)
Signal Input	SDI, HD-SDI, RGBS, YPbPr, SVideo, Composite. DVI, VGA			
Viewing angle	178°			
LCD Panel	TFT Active Matrix with IPS			



The 21" iLumen Endovue SE delivers the image performance of a high-end surgical display at a fraction of the cost. Targeted for cost-sensitive emerging markets this monitor is a great value.

It features an LED backlight and supports both digital and analog high-definition video inputs.

The 21" iLumen Endovue SE is an affordable alternative to a full-featured surgical display.

It accommodates high-definition signals from a variety of medical imaging sources, including endoscopes, ultrasound, PACS, and vital signs.

It also features a fanless cooling design to minimize the risk of spreading airborne contaminants within the sterile field.

ONLY AVAILABLE OUTSIDE EU + NORTH AMERICA

Model / Type	300-001-148
Size	21.5" / 18.8 x 10.6 inches
Resolution	1920 x 1080 (FULL HD)
Signal Input	DVI, RGBS, YPbPr, VGA, SVideo, Composite
Viewing angle	178°
LCD Panel	TFT Active Matrix with IPS, LED-Backlight



The innovative surgical Monitors of Sony deliver advanced image processing technology and enable physicians to see still and moving images with accurate, HD clarity and precision.

Model / Type	300-001-025	300-001-021	300-001-023	300-001-026
Size	19" / 14.8 x 11.9 inches	21" / 18.8 x 10.7 inches	24" / 20.4 x 12.8 inches	24" / 20.4 x 12.8 inches
Resolution	1280x1024 (SXGA)	1920x1080 (FULL HD)	1920x1200 (WUXGA)	1920x1080 (FULL HD)
Signal Input	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), HDMI, Audio Jack	Composite, Y/C, RGB (BNC), DVI-D, VGA	Composite, Y/C, RGB (BNC), DVI-D, VGA
Viewing angle	170°			
LCD Panel	α-Si Active Matrix TFT	α-Si Active Matrix TFT	α-Si Active Matrix TFT LED	Medical OLED

RZ TROLLEY

Very variable and universal Trolley with high loading capacity. Hydraulic monitor attachments enable main and secondary monitors that can be swivelled in the desired positions. We offer a broad assortment of expansion options and many possibilities of adaption to individual needs.

- Optional doors and rear panel in order to protect valuable equipment
- Optional main on/off switch
- Power columns for cables
- Endoscope Holder
- Variable height support arms
- Conductive rolls

DIMENSIONS
1600mm x 500mm x 625mm
Rollers: Ø 125mm



300-002-001
RZ High-End-Trolley



300-001-999
RZ Basic Trolley

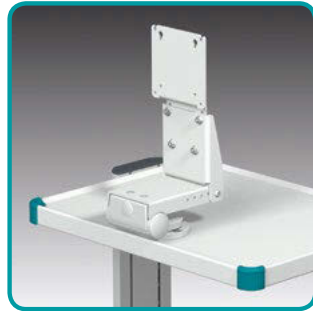


TROLLEY

Trolley



300-001-988
Hydraulic monitor holding, 400mm



300-001-989
Monitor Shelf with adjustable monitor holding VESA 75/100 up to 14kg



300-001-986
Keyboard Holder



300-001-990
Camera Head Holder with cable suspension



300-001-980 3/5/10 L
300-001-982 20/50 L
CO₂ Bottle Holder



300-001-979
Camera Holder



300-001-978
Cable Holder



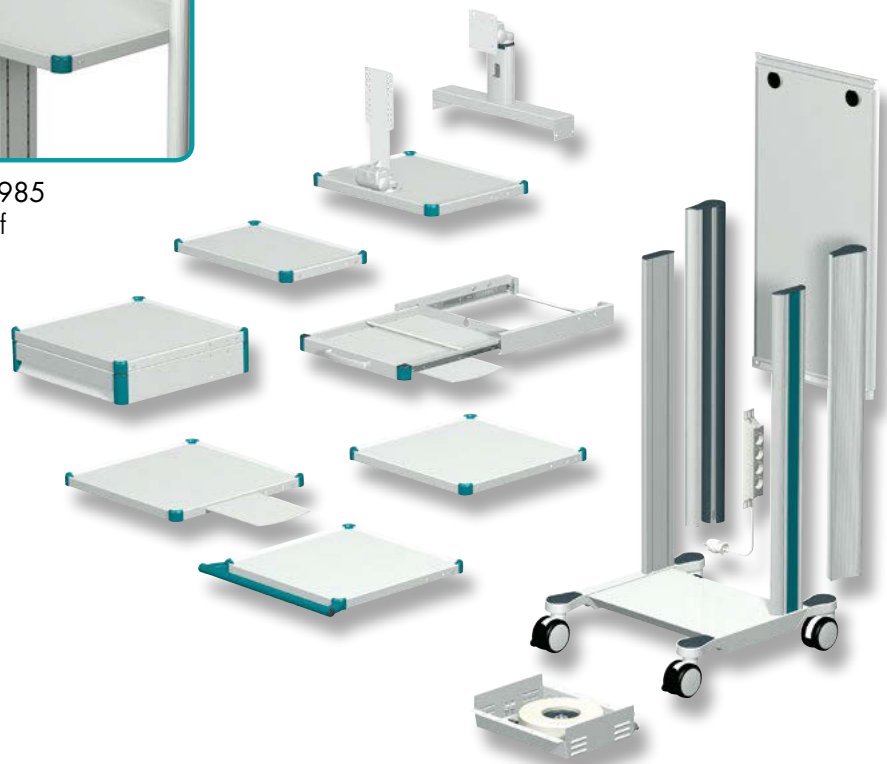
300-001-991
Computer Holder, load capacity max. 20kg



300-001-983
Rear Panel



300-001-985
Additional Shelf





HIGH-END

300-900-915

High-End Tower System Set

consisting of:

- | | |
|---------------|--|
| 300-001-800 | HD Digital Camera System F3 |
| 300-900-300 | LUMEN LED 3 |
| 300-000-300 | LAP Pump P3000 |
| 300-900-041 | AIRFLOW A4 Insufflator with heating unit |
| 300-010-226 | RZ iLumen RADIANCE 26" Monitor |
| 300-001-149 | RZ HD iLumen EndoVue 19" Monitor |
| 300-002-001 | RZ High-End Trolley |
| + Accessories | |



MEDIUM-END

300-900-916

Medium-End Tower System Set

consisting of:

- 300-001-600 HD Digital Camera System F1
- 300-001-305 LUMEN X5 Xenon Light Source
- 300-000-100 LAP Pump P1000
- 300-900-030 AIRFLOW A3 Insufflator
- 300-001-146 RZ iLumen LED EndoVue 24" Monitor
- 300-001-999 RZ Basic Trolley
- + Accessories



BASIC LINE

300-900-917

Basic Line Tower System Set

consisting of:

- 300-001-410 Digital Camera System Z2
- 300-900-180 LUMEN LED1 Light Source
- 300-000-100 LAP Pump P1000
- 300-900-020 AIRFLOW A2 Insufflator
- 300-001-148 RZ iLumen LED EndoVue SE 21.5" Monitor
- 300-001-999 RZ Basic Trolley



INSULATION TESTER

Insulation
Tester



700-999-000
RZ Insulation & Continuity Tester
complete, including accessories, carrying case
and foot control

SPARE PARTS



700-999-009
Test Plate



700-999-004
Cable male-female
for Iso Tester



700-999-007
Brush Test Electrode
for Iso Tester



700-999-010
Foot pedal for Iso Tester



700-999-006
Adaptor male-alligator
for Iso Tester



TV COUPLER

TV Coupler



300-001-813 f=14mm
300-001-814 f=25mm
300-001-815 f=28mm
Manual lock,
C-mount, soakable, Full HD



250-015-036
Zoom-TV-Adapter
f=15 - 36mm
c-mount, soakable
Full HD



250-020-025 F=25mm (splitting 90/10)
250-020-030 F=30mm (splitting 90/10)
Beamsplitter, allows simultaneous video and
direct views, c-mount, soakable, Full HD



250-022-025 F=25mm
250-022-030 F=30mm
Angled 90°, with swivel and fixation,
c-mount, soakable, Full HD

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