

# Dr. Fritz®

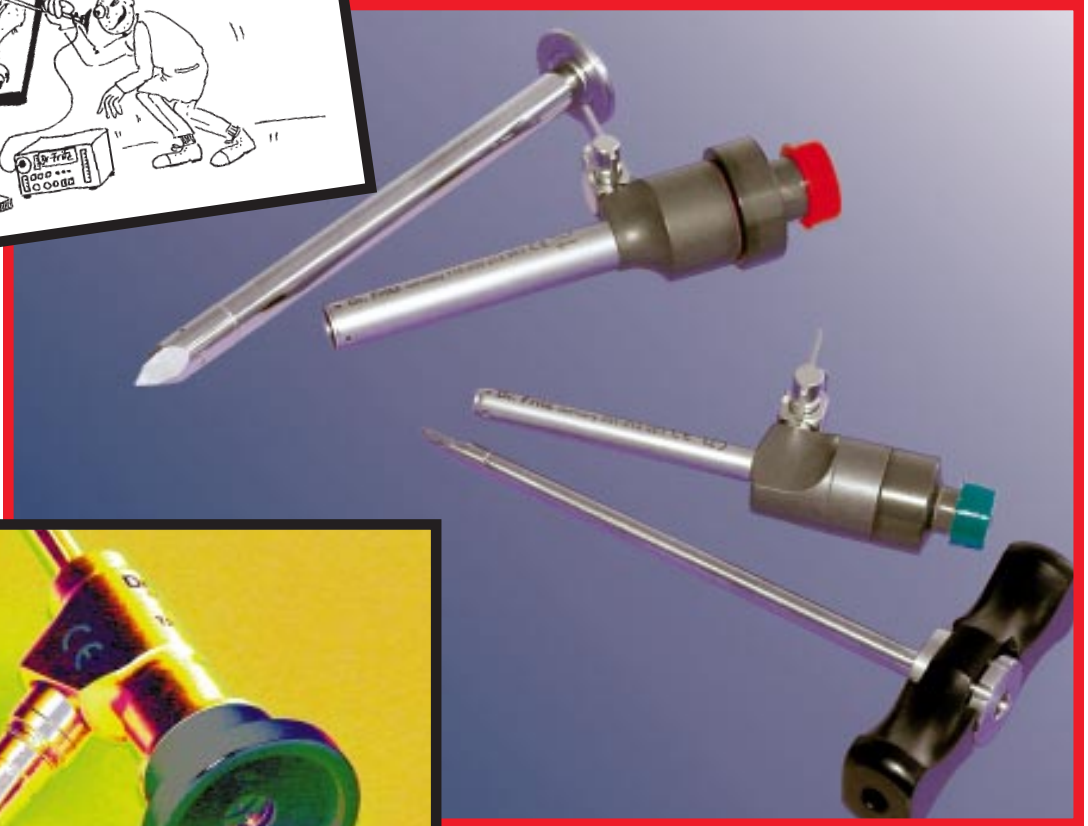
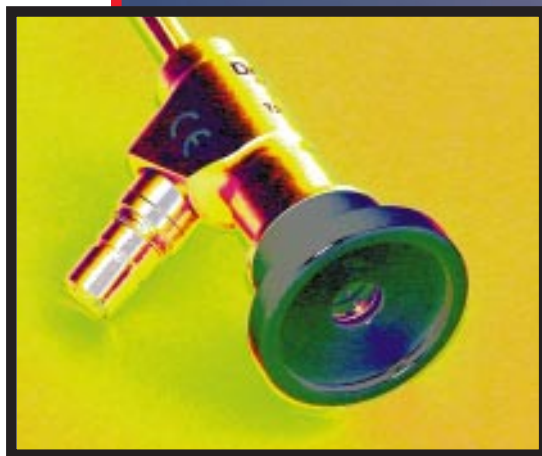
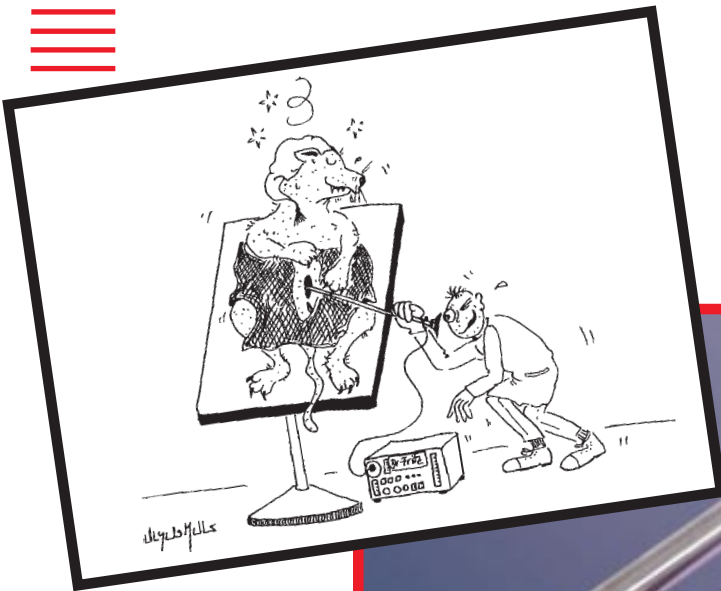
GmbH

Endoscopes and Video Systems

Vet-Info 12-2 E

## Dogs, Cats, Exotics

Telescopes and instruments for minimally invasive surgery



Laparoscopy/Thoracoscopy  
in small animals

## Laparoscopes for minimally invasive surgery

- patented large image optical system
- extremely high definition image
- large field of vision
- full screen image



### Standard version

- T281-5000** Wide angle telescope, 0°, OD: 5 mm, WL: 29cm, standard light cable connectors, autoclavable
- T281-5030** Wide angle telescope, 30°, OD: 5 mm, WL: 29 cm, standard light cable connectors, autoclavable
- T291-1000** Wide angle telescope, 0°, OD:10mm, WL:30cm, SIRIUS system, standard light cable connectors, autoclavable  
- available also in 30° -



- T141-2430** Wide angle telescope, 30°, OD: 2,4 mm, WL: 14 cm, large image technology, standard light cable connectors, autoclavable
- S140-2433** Examination sheath, OD: 3,2 mm, WL: 12 cm, compatible to T141-2430, stopcock, including blunt trocar (without picture)
- T181-4030** Wide angle telescope, 30°, OD: 4 mm, WL: 18 cm, 115° field of vision, standard light cable connectors, autoclavable
- S180-4033** Examination sheath, OD: 5,5 mm, WL: 17 cm, compatible to T181-4030, stopcock, including blunt trocar



In addition to the standard 0° and 30° angle of vision, Dr. Fritz offers also a 50° version

### Laparoscopes with working channel

#### 6 mm working channel

- for gastropexy with one portal
- compatible to standard 5 mm instruments (long version)



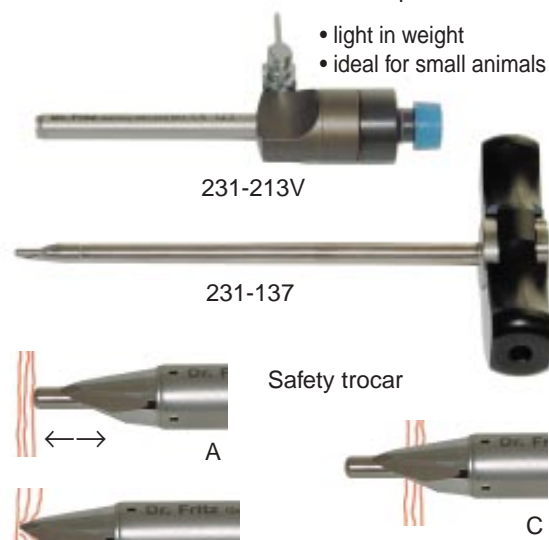
- T270-1100** Telescope with working channel, 0°, OD:11mm, WL:27cm, large image, SIRIUS optical system, standard light connectors, integrated working channel, ID: 5,5mm, with magnetic valve
- 232-232** Cannula only, magnetic valve, ID:11mm, WL:10cm, inflation stopcock
- 232-173** Trocar only with pyramidal tip for trocars

## Trocar cannulas with magnetic valve, safety trocars

Trocar cannulas are designed with different types of valves to reduce or to avoid CO<sup>2</sup> loss when changing instruments and telescope during laparoscopy and thoracoscopy. Our reusable and patented magnetic valve trocar system has several advantages compared to other valve types. First of all they are light in weight and because of the valve construction, the insertion of instruments and scopes will pass smoothly through with out scratching or touching the front lens like in a ball system or in a so called automatic valve system. In addition there is nearly no gas loss even when changing instruments. There are no mechanical parts to clean inside except the magnetic flap itself which is a great help to your staff.

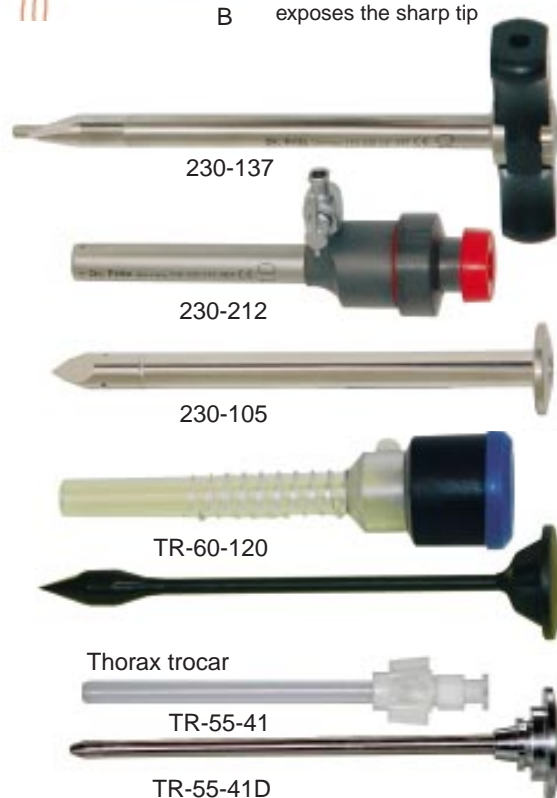
### Inner diameter 5,5 mm (for standard 5 mm instruments)

- 231-213V** Cannula only, magnetic valve, ID: 5,5 mm, WL: 7 cm, inflation stopcock, 40 g
- 231-212V** Cannula only, magnetic valve, ID: 5,5 mm, WL: 7 cm, 30 g (without picture)
- 231-137V** Safety trocar only comp. to cannulas with ID: 5,5 mm, WL: 7 cm, fully dismantable, cork screw handles
- 231-105V** Trocar only with pyramidal tip (without picture)



### Inner diameter 10 mm (for telescopes and 10 mm instruments)

- 230-212V** Cannula only with magnetic valve, inflation stopcock, ID: 10 mm, WL: 7 cm, 55 g
- 230-213V** Cannula, only with magnetic valve ID: 10 mm, WL: 7 cm, 45 g, (without picture)
- 230-137V** Safety trocar only, comp. to cannulas with ID: 10 mm, WL: 7 cm, fully dismantable cork screw handles
- 230-105V** Trocar only with pyramidal tip



### Disposable trocars, inner diameter 4, 5, 8 and 12 mm

- TR-60-120** Trocar disposable, ID: 12 mm, WL: 6 cm with reducer 12-8 mm and 5 mm
- TR-55-41** Cannula only, disposable, ideal for thoracoscopy, ID: 4 mm, WL: 5 cm, 10 pc.
- TR-55-41D** Trocar, compatible to cannula TR-55-41



### Accessories

- 230-505** Reducer adapter for trocar cannulas with ID: 10 to 5,5 mm
- 230-525** Snap reducer adapter for trocar cannulas with ID: 10 to 5,5 mm
- 231-211** Sealing caps for trocars and reducer adapters, size 5,5 mm, pg. of 10 pcs
- 230-211** Sealing caps for trocars and reducer adapters, size 10/11/12 mm, pg. of 10 pcs
- 231-215** Magnetic valve flap, for trocar cannulas size 5,5 mm, pg. with 2 pcs
- 230-215** Magnetic valve flap for trocar cannulas size 8/10/11 mm, pg. with 2 pcs

## Palpation, Dissection and Puncture Instruments



**Laparoscopy first puncture needle**

**L-19-100** Veress needle, D:2 mm, 10 cm, LL(f)



**Thoracoscopy first puncture needle, long version**

**TR-03-201** Puncture needle for thoracoscopy, ID:3 mm  
WL:20cm, incl. sharp trocar



**L-33-210** Palpation probe and puncture cannula, 5 mm, 33 cm, protected interchangeable needle with outer tube, complete, consisting of:  
L-33 inside tube, LL, connector  
L-33-2 outside tube/probe  
L-210 needle, 1x 26 mm

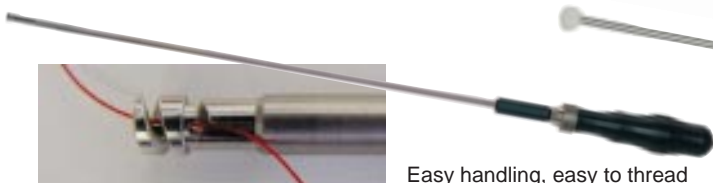


**L-210** Injection cannula, spare needle, thin size:1x26 mm, compatible to L-33/47; 1pc  
**L-218** Injection cannula, spare needle, large size:1,9x26 mm, compatible to L-33/47;1pc  
**L-218R** Injection cannula, spare needle, rounded size:2x28 mm, compatible to L-33/47, 1pc.



**Fan retractor, adjustable**

**L-19-1006** Fan retractor, 5 fingers, adjustable, OD:10 mm, WL: 34 cm, Luer Lock irrigation connector



Easy handling, easy to thread and tighten suture, with cutting device

**Knot tier and cutter**

**L-19-532** Knot tier, long version, 5 mm, 31 cm with cutting device, easy to thread suture, fully dismantable



**Preparation**

**GE-10-553** Safety sponge forceps, 3 hooks, 5 mm, 33 cm, non-reflecting surface, fully dismantable, easy mounting, straight handle, consisting of: handle (GE-10), outer tube: (GE-10-53), jaws (GE-10-5)

**Atraumatic grasping forceps**

**L-19-645** Atraumatic grasping forceps, spring handles, OD: 5 mm, WL: 32 cm easily dismantable



 Please ask for additional special instruments

## Standard Instruments, 5 mm



HA 11/HN 82



H 52



H 01/H 05/H 11



H 21/H 22

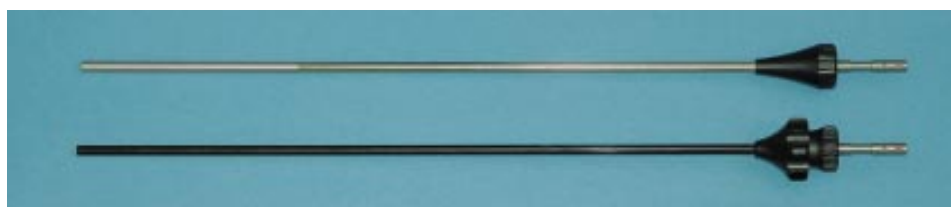
### Handles

plastic or standard handles  
without ratchet, with external  
or with internal ratchet  
HF connector

- easily dismantlable
- reusable
- with HF connector
- long life span - one system
- compatible to 5 mm and 10 mm trocar cannulas

### Tubular sheaths

- 5 mm and 10 mm diameter
- different working lengths
- rotatable through 360°, or fixed
- insulated or stainless steel



Each jaw insert and outer sheath can be used with any type of handle.

### Complete instruments, fully dismantlable

#### Scissors



**531.02H05V Mini-Metzenbaum scissors**, 5mm, 33cm  
curved left, insulated, dismantlable, rotatable,  
consisting of: jaws insert (53M02), sheath (53R1)  
handle (H05) , color code: white



**531.04H05V Hook scissors**, 5mm, 33cm, single action  
jaws, insulated, rotatable, dismantlable, high quality,  
consisting of: jaws insert (53M04), sheath (53 R 1)  
handle (H05), color code:white

#### Biopsy forceps



**531.60H01V Biopsy forceps**, 5mm, 33cm, double action jaws, dismantlable,  
consisting of: jaws insert (53M60), sheath (53R1)  
handle (H01), color code:black



**531.61H01V Biopsy forceps**, 5mm, 33cm, double action jaws, dismantlable,  
consisting of: jaws insert (53M61), sheath (53R1)  
handle (H01), color code:black

➔ Above mentioned instruments are used most frequently,  
for additional types see also our special brochure

## Standard Instruments, 5 mm



**531.40H01V Dissecting forceps, (Maryland)**, turned, 5mm, 33cm, insulated, dismantable, rotatable, consisting of: jaws insert (53 M 40), sheath (53 R 1) handle (H 01) color code:black



**531.23H11V Atraumatic grasper**, curved, 5mm, 33cm insulated, rotatable, dismantable, inside ratchet, consisting of: jaws insert (53 M 23), sheath (53 R 1) handle (H11, HF-connector), color code:black



**531.22H21V Grasping forceps**, universal use, 5mm, 33cm, insulated, dismantable, rotatable, outside ratchet, consisting of: jaws insert (53 M 22), sheath (53 R 1) handle (H 21, HF-connector), color code:black



**531.27H11V Babcock grasping forceps**, 5 mm, 33 cm, insulated, dismantable, rotatable, inside ratchet, consisting of: jaws insert (53 M 27), sheath (53 R 1) handle (H 11, HF-connector), color code:black



**531.35H21V DeBaKey grasping forceps**, 5mm, 33cm, insulated, dismantable, rotatable, HF-connector consisting of: jaws insert (53 M 35) sheath (53 R 1) handle (H 21, HF-connector) color code:black



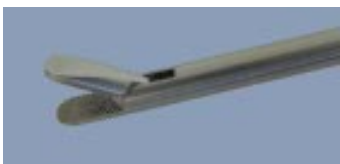
**531.36H21V Bowel grasping forceps**, 5mm, 33cm, insulated, dismantable, rotatable, outside ratchet, consisting of: jaws insert (53 M 36), sheath (53 R 1) handle (H 21), color code:black



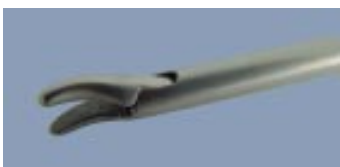
**536.30H52V Claw grasping forceps**, 5mm, 33cm, metal, fixed tube, outside ratchet, consisting of: jaws insert (53 M 36), sheath (53 R 6) handle (H 52), metal

## Needle holders


Only available with Axial handles (the frog)



**90-53N82V Needle holder**, 5 mm, 32 cm, straight complete, "Easy Clean System", overstraining protected consisting of: jaw/tube 90-53N, metal axial handle (HN 82)



**91-53N82V Needle holder**, 5 mm, 32 cm, curved, "Easy Clean System", overstraining protected consisting of: jaw/tube 91-53N, metal axial handle (HN 82)

 Please ask for different working lengths, see also special brochure Inst 1-03E

## Special Instruments

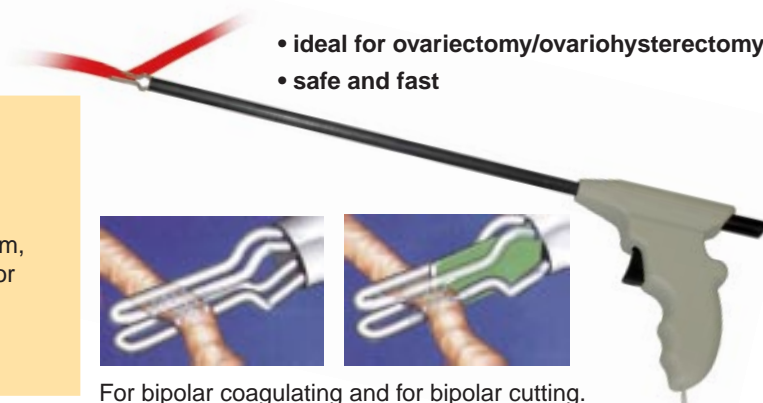
### Bipolar coagulating and cutting

disposable

**BP-10-321** Bipolar grasping & cutting forceps, 10 mm, WL: 320mm  
disposable, universal connector

**BP-05-321** Bipolar grasping & cutting forceps, 5 mm, WL: 320 m, disposable, universal connector

**BP-300-11** Bipolar cable, 3 m, compatible to Martin, unit to Martin/Berchtold instrument



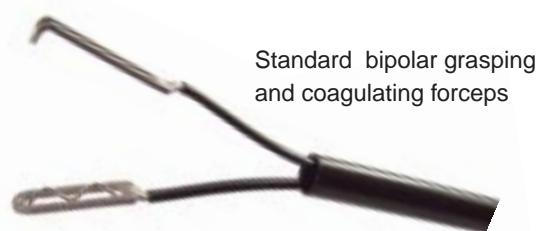
- ideal for ovariectomy/ovariohysterectomy
- safe and fast

For bipolar coagulating and for bipolar cutting.

### Bipolar coagulating

reusable

**BP2-533-10** Bipolar grasping forceps, totally dismantable, standard handle, 5 mm WL: 34 cm, jaws: 13x4,5 mm with hook upwards, connector type: European, flat consisting of: handle BP-2  
outer tube BP-2-53  
inner tube BP-2-02  
insert forceps BP-2-10



Standard bipolar grasping and coagulating forceps

### Suction/irrigation instrument,

consisting of: metal tube, suction/irrigation valve, cap for instrument channel and handle



The system allows a total separation of suction + irrigation canal.



| Ø     | Length | tube, only                     | handle | complete number | suction/irrigation way |
|-------|--------|--------------------------------|--------|-----------------|------------------------|
| 5 mm  | 30 cm  | SM1-53                         | RH98   | SM1-53RH98      | 1                      |
|       | 37 cm  | SM1-54                         | "      | SM1-54RH98      | 1                      |
|       | 30 cm  | SK1-53                         | RH98   | SK1-53RH98      | 1                      |
|       | 37 cm  | SK1-54                         | "      | SK1-54RH98      | 1                      |
| 10 mm | 30 cm  | S9-13/13T2<br>inner /outertube | RH98   | S9-13T2RH98     | 2 (separate canals)    |

### Accessories/spare parts

- RH18** Suction/irrigation valve, compatible to RH98, 1 pcs, reusable, metal, non sterile
- RH99-56** Cap for instrument canal compatible for suction/irrigation handle RH98

## Accessories:

### Camera covers



- DE-10-25** Camera covers, disposable, 1 pcs, polyethylen, 13x250cm
- DE-10-01** Camera cover, reusable, waterproof washable, autclavable, 12x200cm, 1 pc.

### Fibre light cable



- KW-48-300** Fibre light cable, 4,8mm, 3m, W/W, both sides compatible to. R. Wolf, autoclavable
- OW-48-300** Fibre light cable, 4,8mm, 3m; O/W, unit side comp.to Olympus, endoscope side compatible to R.Wolf, autoclavable
- KS-48-231** Fibre light cable, 4,8mm, 2,3m, S/W unit side compatible to Storz, endoscope side compatible to Dr.Fritz/Wolf, autoclavable

Adaptors for cold light sources of other manufactures on request

## Disinfection and cleaning



DA3014-11



DE-10-300



DE-10-425



DE-5-17

- DA3014-11** Sterilizing & storing case, Aluminium, 300x140x110mm, red lid, perforated, with textile filter
- DA4628-11** Sterilizing & storing case, Aluminium, 460x280x110mm, red lid, perforated, with textile filter
- DE-10-425** Soak basin for chemical solution disinfection, cons. of basin (perforated) tray & cover for basin, size: 42x16x9,5cm
- DE-5-17** Cleaning brush for small cannulas with ID: 2-4mm, length 17cm
- DE-3-456-E** Cleaning brush for long tubes, size: 2,5-5mm
- DE-10-300** Disinfection and cleaning solution for flexible fibrescopes, concentrated, 1x5 litres



- DE4680-52** Sterilizing & storing tray, 460 x 80 x 52 mm, perforated, stainless steel with silicon bars specially designed for rigid telescopes



CO<sup>2</sup>-Inflator, electronically monitored, gas heating system



Compact high frequency/ radio frequency unit – universal



Ask for additional brochures about **CO<sup>2</sup>-Inflator, compact high frequency unit, video cameras, light sources, recorders and printers** and see our homepage [www.dr-fritz.com](http://www.dr-fritz.com)