

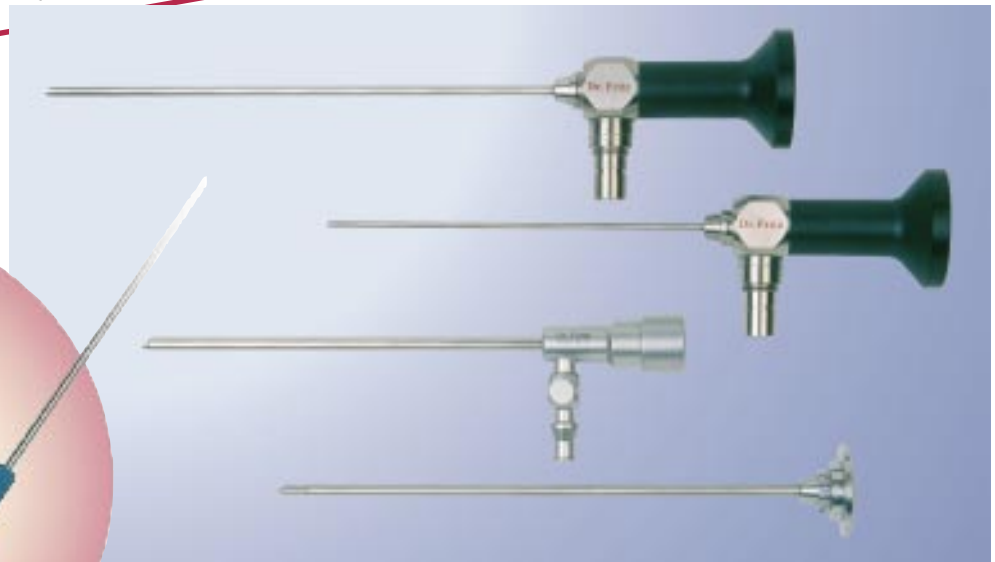
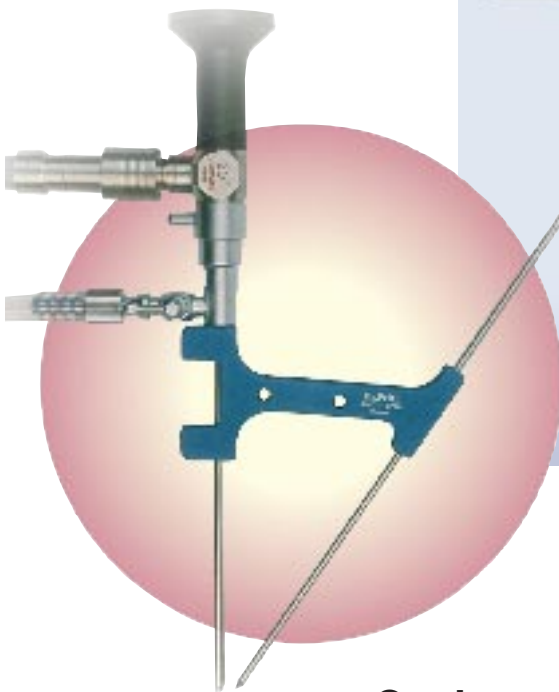
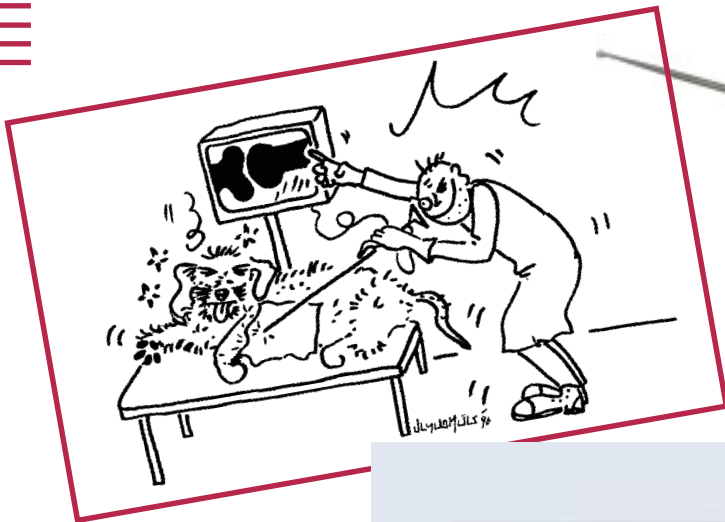
Dr. Fritz[®]
GmbH

Endoscopes & Video Systems

Vet-Info 13-52E

Dogs, Cats

Arthroscopic equipment
and accessories



Canine and Feline Arthroscopy

Telescopes for Arthroscopy – 2,4 and 1,9 mm –

On monitors "large image telescopes" are filling nearly the full screen. Exposure control of endoscopic video cameras is much easier, even with a 1,9 mm diameter telescope!


- Standard DIN ocular
- autoclavable / fully immersible
- high resolution
- standard light cable adaptors
- large image telescopes



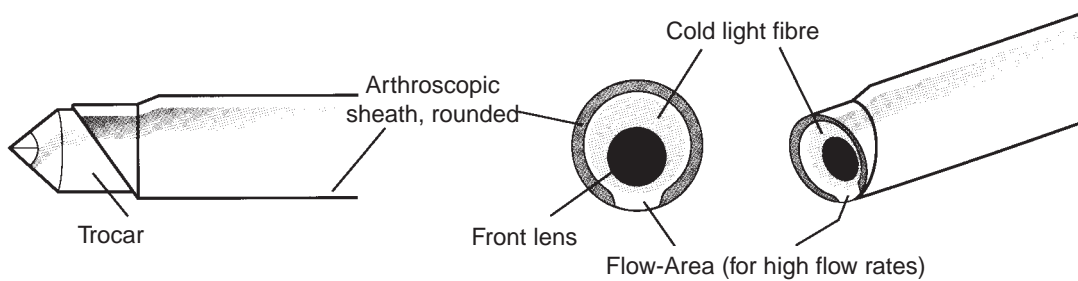
Standard Arthroscope, 2,4 mm with arthroscopic sheath

for elbow, shoulder and knee joint

- | | |
|------------------|---|
| T141-2430 | Wide angle telescope, 30° , OD: 2,4mm, WL: 14cm, large image technology, standard light cable connectors, autoclavable |
| S140-2432 | Sheath for arthroscopy , OD: 3,2mm, WL: 12cm, compatible with T140-2430 and T141-2430, stopcock, including blunt & sharp trocar
high flow version |

 Our arthroscopy sheaths are delivery including blunt and sharp trocars!

• Ask for telescopes 4 mm in case of larger knee joints



Needle Arthroscope, 1,9 mm with arthroscopic sheath (2,8 mm)

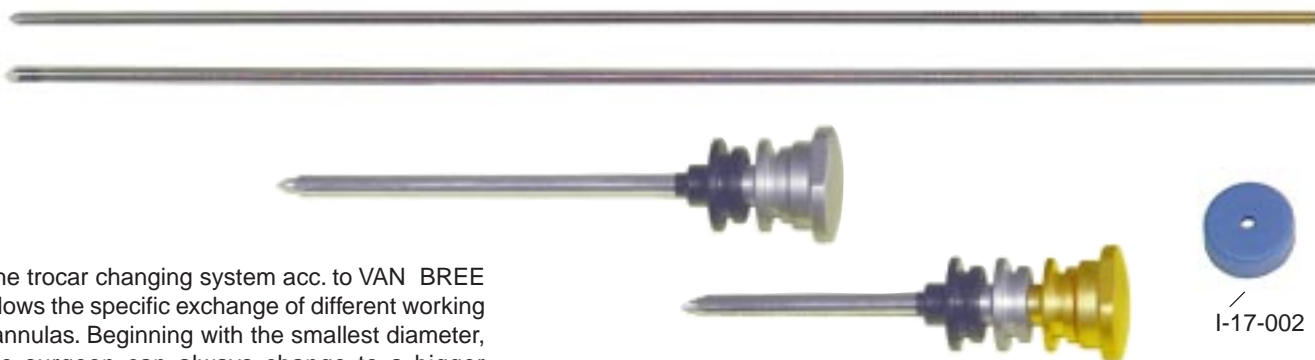
for small dogs and small joints

- | | |
|------------------|--|
| T111-1930 | Wide angle telescope, 30° , OD: 1,9/2,1mm, WL: 11cm, large image technology, stand. light cable connectors, autoclavable |
| S110-1932 | Sheath for arthroscopy , OD: 2,8/3mm, WL: 8cm, compatible with T111-1930, stopcock, including blunt & sharp trocar
high flow version |
| I-17-019 | Changing rod for arthroscopy sheats
from 1,9mm up to 2,7mm telescopes, with sharp tip |



- | | |
|------------------|--|
| S110-1935 | Protection and transportation sheath for small telescopes, 12cm, autoclavable |
| DE-10-65 | Lenze polish for telescopes , 5g (without picture) off, autoklavierbar |

Irrigation and Working Cannulas, Trocar Changing System acc. to VAN BREE



The trocar changing system acc. to VAN BREE allows the specific exchange of different working cannulas. Beginning with the smallest diameter, the surgeon can always change to a bigger diameter by using the changing rods. According to the different joints a so called "elbow set" (working length 3,5-5 cm) and a "shoulder set" (7-7,5 cm) is differentiated. In addition it is possible to change the working portal with the telescope portalusing the changing rod. The color code system allows easy size differentiation.

Complete Set

- I-17-755 Working cannula set "shoulder and elbow"**
acc. to van BREE, D: 2,3 / 2,9 / 3,5 mm; WL: 3,5-5 cm and 7-8 cm, (consisting of: I-17-500 and I-17-700)

Individual parts



I-17-524



I-17-500




I-17-700



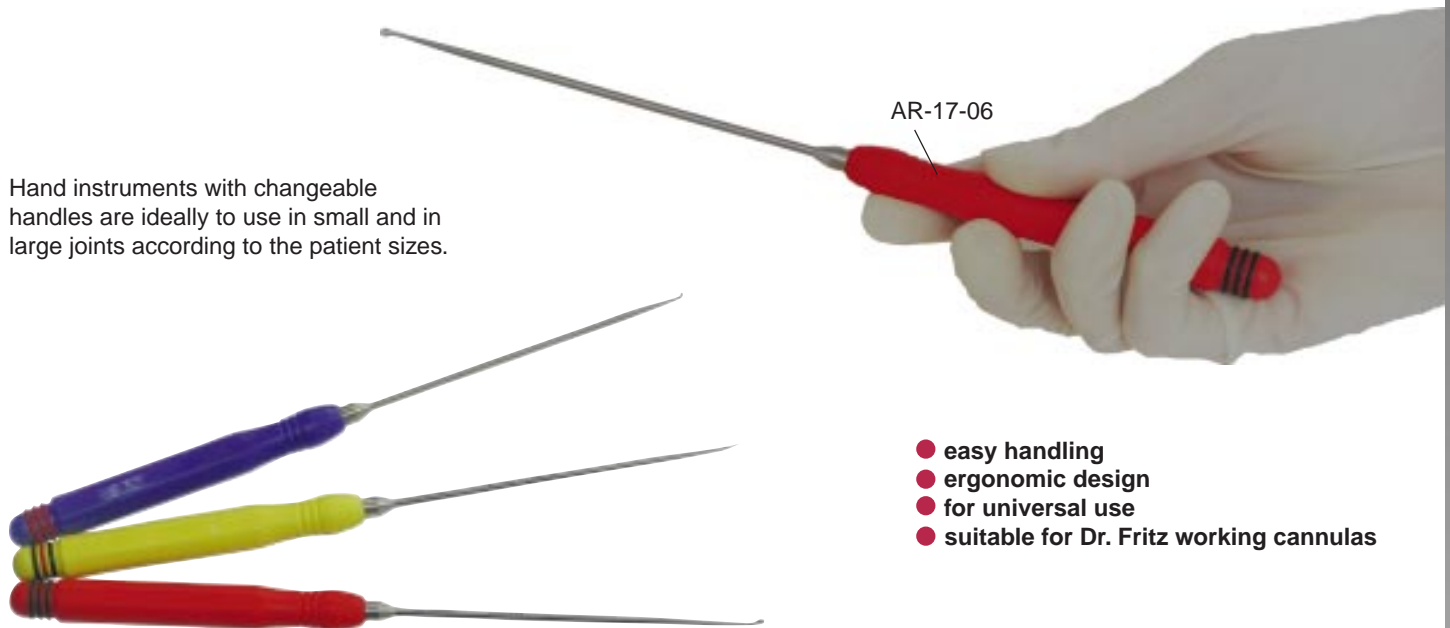
I-18-518

- I-17-024 Changing rod** for 2,3mm working cannulas, round, pointed, color code:gold
- I-17-028 Changing & puncture rod**, for 2,9mm working cannulas & shoulder puncture system, color code: metal
- I-17-524 Working cannula**, ID: 2,3mm, WL: 5,5cm, incl. sharp obturator, color code: gold
- trocar changing system acc.to VAN BREE
- I-17-528 Working cannula**, only, ID: 2,9mm, WL: 4,8cm color code: metal
- trocar changing system acc.to VAN BREE
- I-17-535 Working cannula**, only, ID: 3,5mm, WL: 3,5cm color code: black
- trocar changing system acc.to VAN BREE
- I-17-728 Working cannula**, ID: 2,9mm, WL: 7,5cm, incl. sharp obturator,color code: metal
- changing system acc.to VAN BREE**
- I-17-735 Working cannula, only**, ID: 3,5mm, WL: 6,8cm, color code: black
- trocar changing system acc.to VAN BREE
- I-17-735 Working cannula, only**, ID: 3,5mm, WL: 6,8cm, color code: black
- trocar changing system acc.to VAN BREE
- I-17-002 Sealing caps for working cannulas**, opening size 2mm, pg of 5 pcs
- I-17-500 Working cannula set "elbow"** acc. to van Bree, consist. of 3 cannulas D: 2,3/2,9 and 3,5mm, WL: 3,5-5cm, incl.1 sharp trocar and 1 changing rod (2,3mm)
- I-17-700 Working cannula set "shoulder"** acc. to van Bree, consist. of 2 cannulas D: 2,9/3,5mm, WL: 7-8cm, incl.1 sharp trocar and 1 changing rod (2,8mm)
- I-18-518 Egress cannula**, with sharp trocar stopcock, ID: 2,7mm, WL: 7cm,

 Dr. Fritz hand instruments are suitable to all fine working cannulas. Inner diameter and working lengths of the instruments are specially designed for small animal arthroscopy.

Hand Instruments

Hand instruments with changeable handles are ideally to use in small and in large joints according to the patient sizes.



- easy handling
- ergonomic design
- for universal use
- suitable for Dr. Fritz working cannulas

enlarged



AR-17-03S **Bajonett knife** 2,7mm, silicon handle, yellow, autoclavable, color code: black



AR-17-05S **Banana knife**, 2,7mm, silicon handle, yellow, autoclavable, color code: green



AR-17-06S **Curette**, small 2,7mm, silicon handle, yellow, autoclavable, color code: red



AR-17-07S **Ring curette**, 2,7mm, silicon handle, red, autoclavable, color code: black



AR-17-11S **Smilie knife**, 2,7mm, silicon handle, yellow, autoclavable, color code: blue



AR-17-09S **Hook probe**, 2,2mm, silicon handle, comp. autoclavable, color code: red



AR-17-12S **Mikro picking knife**, acc. to Dr. Beale, 2,7mm, silicon handle, yellow autoclavable, color code: black, red



AR-17-19S **Hook knife**, 2,7mm, Silicon handle orange, autoclavable, color code: blue

Hand Instruments

Elevator



AR-17-13

Special elevator, 2,7mm, with handle,
color code:metal

Milling Drill acc. to VAN RYSSSEN & VAN BREE

– The latest development allows cartilage and bone curettage even through the smallest working cannula –



rotating handpiece



● changable drill



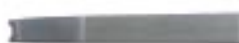
I-17-822

Milling drill for arthroscopy, acc.to van RYSSSEN,
OD: 2,2mm; WL: 12cm, with rotating handpiece, long
lasting drill steel, dismantable, consisting of:

I-17-820 handpiece

I-17-821 milling drill

Jssel



AR-17-22

Coronoid jssel acc. to Meyer-Lindenberg
3 mm, 20 cm



Dr. Fritz hand instruments are suitable to all fine working cannulas. Inner diameter and working lengths of the instruments are specially designed for small animal arthroscopy.

Arthroscopic Punches, Biopsy Forceps, Rongeurs and Grasping Forceps



• long life span and extremely durable

• easy handling
adapted to veterinary applications



2 mm Instruments, working length 11 cm



AS-17-561 Mini grasping forceps, D: 2,0mm



AS-17-531 Mini rongeur and biopsy forceps, D: 2,0mm



AS-17-551 Mini punch for arthroscopy, OD: 2mm



AS-17-521 Mini scissors for arthroscopy, OD: 2mm

– made for hard veterinary use
– overstraining protected

Arthroscopic Punches, Biopsy Forceps, Rongeurs and Grasping Forceps



2,7 mm Instruments, working length 12 cm



AS-17-662 Alligator grasping forceps, with ratchet, OD: 2,7mm
 – with overstraining protection –



AS-17-632 Universal rongeur and grasping forceps, fenestrated, OD: 2,7mm
 – with overstraining protection –

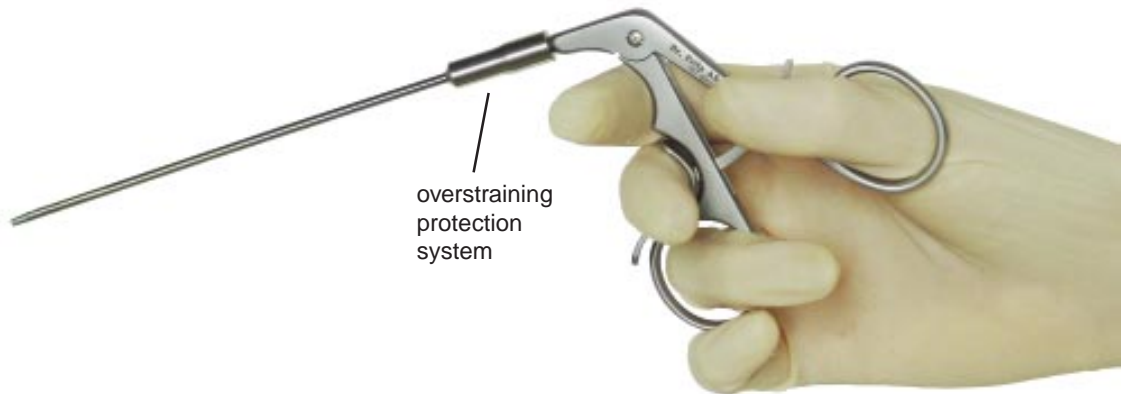


AS-17-672 Arthroscopic punch, OD: 2,7mm
 – with overstraining protection –



AS-17-621 Arthroscopic hook scissors, OD: 2,7mm

- extremely durable
- ergonomic design
- long life span




3,4 mm Instruments, working length 12 cm



AS-17-762 Universal rongeur and grasping forceps, without ratchet, OD: 3,4mm
 – with overstraining protection –



Handle with ratchet ergonomic and small grip

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Puncture System acc. to Dr. Lehmann for the canine shoulder joint

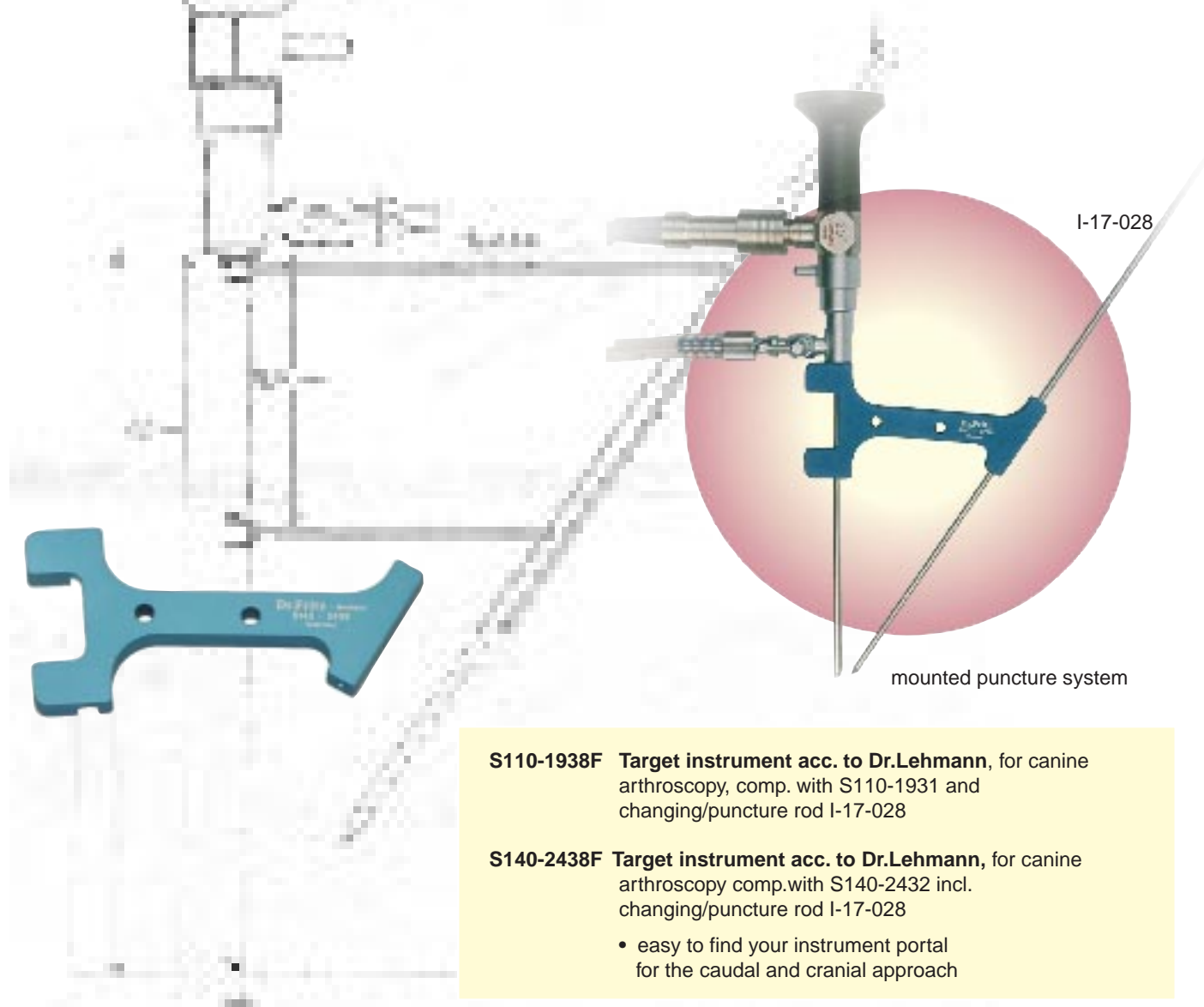
Innovation in

small animal arthroscopy

developed and tested at the Veterinary Faculty of Vienna, Austria

During recent years, as arthroscopy in small animals has developed, researchers realized the necessity of a specific puncture system to create an instrument portal in the larger joints. Due to the dense muscle mass in shoulder joints, creating a puncture for a working cannula is often quite difficult. If a clean puncture allowing access directly to the joint is not achieved the first time, the risk of a subsynovial oedema increases greatly, thus decreasing the time frame to complete the surgery with each failed puncture. The shoulder puncture system has been specifically designed

to help eliminate this risk. The system allows you to align your arthroscope accurately in the joint space. Simply attach the puncture system to the arthroscopic sheaths and maintain your arthroscopic vision in a parallel direction to the shoulder joint rim. At this point you will find the working triangulation portal in an ideal position. After a puncture is created with the desired trocar, simply replace the trocar with a working cannula and start working with your instruments.



S110-1938F Target instrument acc. to Dr. Lehmann, for canine arthroscopy, comp. with S110-1931 and changing/puncture rod I-17-028

S140-2438F Target instrument acc. to Dr. Lehmann, for canine arthroscopy comp. with S140-2432 incl. changing/puncture rod I-17-028

- easy to find your instrument portal for the caudal and cranial approach

Puncture Systems compatible with other manufactures on request.

Fluid / CO² Supply System for Arthroscopy

Pressure Infusor

Pressure infusors pose the best options for small animal arthroscopy as well as for fluid and gas supply. New pressure infusors eliminate arduous hand pumping via pressure infusion cuffs. The new continuously adjusted pressure setting allowing for better regulation. The complete system is very easy to handle and does not experience problems like conventional roller pumps. Two types of infusors are available. The first, a pneumatic infusor, is connected to the central pressure supply. The second, a carbon dioxide infusor, is connected to a carbon dioxide bottle or a special carbon dioxide supply. By means of a three-way stopcock connection, it is possible to use the carbon dioxide infusor for direct carbon dioxide gas arthroscopy as well as the normal fluid supply. This makes possible the use of carbon dioxide which offers better working conditions when compared to fluid arthroscopy, especially when the joint is experiencing synovitis.



AR-10-100 Pneumatic pressure infusor, for infusion cuffs, for veterinary arthroscopy, compl 4m tube to central pressure supply, DIN tube connection, front side Luer-Lock (f), universal table fixator, easy pressure setting, automatic regulation (0-300mmHg)

AR-10-901 CO²-Infusor, for large/small animal arthroscopy, DIN connector tube to pressure reducer (DIN type), pressure setting from 0-300mmHg, including humidity separator, tube connection Luer-Lock (f)

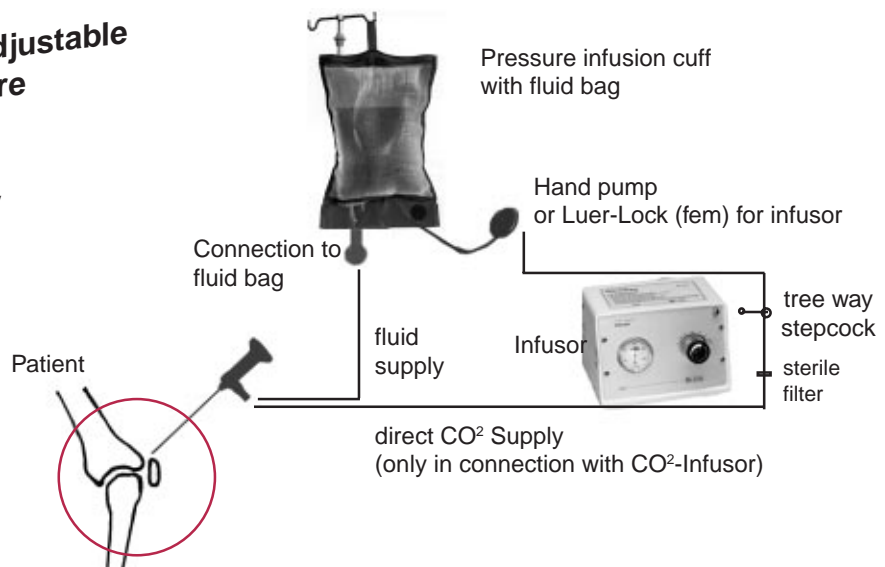


AR-10-922 Sterile filter for CO² infusor and air pressure infusor, compatible for tubes ID: 4-6mm, disposable, box with 50 pcs

AR-10-903 Pressure reducer, for CO²-bottles, DIN-system connectors

- automatic controlling
- pressure continuously adjustable
- max. 300mm Hg pressure
- easy handling
- no mechanical parts
- for fluid and CO² supply

How to use



Fluid / CO² Supply System for Arthroscopy

one of the cheapest possibilities for fluid supply



Pressure Infusion Cuffs

AR-08-100 Pressure infusion cuff for 500-1000ml complete with manometer and hand pump reusable, high quality manufacturing

AR-08-110 Pressure infusion cuff for 500-1000ml without manometer, Luer Lock (fem) reusable, basic version, high quality manufacturing



for high flow fluid supply, please use big infusion tubes



AR-10-948

AR-10-948 Silicon tube, 6x2 mm, 3 m, autoclavable, Luer-Lock (m), needle f. sterile bags/bottles, large inner diameter



AR-10-9

AR-10-9 Needle for infusion bottles/bags, ID: 4 mm compatible to silicon tubes 3,5-5 mm



X-180-26 +
X-5-15-10

X-180-26 Silicon tube, ID: 5 mm, 180 cm, LLM b.ends

X-5-15-10 Silicon spare tube, 1 meter, size: 5 x1,5 mm, color: nature

LLM-1250 Luer-Lock connector, male, comp. to 5x1,5mm tube, (without picture)

LLM-1258 Luer-Lock connector, male, comp. to 8x2mm tube, (without picture)

Accessories

Camera Covers



DE-10-25



DE-10-01

DE-10-25 **Camera covers**, disposable, 1 pcs, polyethylen, 13x250 cm, minimal amount 30 pcs

DE-10-01 **Camera cover**, reusable, waterproof, washable, autoclavable, 12x200 cm, 1 pc.



Fibre Light Cable

OW-48-230 **Fibre light cable**, 4,8 mm, 2,3 m, O/W, unit side comp.to Olympus, endoscope side comp. to R. Wolf, autoclavable

KW-48-231 **Fibre light cable**, 4,8 mm, 2,3 m, W/W both sides comp. to R. Wolf, Dr. Fritz, autoclavable

KS-48-231 **Fibre light cable**, 4,8 mm, 2,3 m, S/W uni side comp. to Storz, endoscope side comp. to Dr.Fritz/Wolf, autoclavable

Adaptors for cold light sources of other manufactures on request

Disinfection Soak Basin, Cleaning Brushes, Disinfection Solutions



DE-5-17 **Cleaning brush** for small cannulas with ID: 2-4 mm, length 17 cm

DE-10-300 **Disinfection and cleaning solution IP**, for flexible and rigid fibrescopes, concentrated, 1x5 litres

DE-10-425 **Soak basin** for chemical solution disinfection, cons. of basin (perforated) tray & cover for basin, size: 42x16x9,5 cm

Video Cameras, Recorder, Printer for Documentation on request

Video Cart – completely mounted –

- 50 cm unit size
- Camera fixation knob
- Drawer
- 6 power succets
- CO² bottle stand
- ask for additional accessories



● Ask for the new
Dr. Fritz Suction-/
irrigation pump

WV-54043 **Video cart**, size: 62x63 cm, h:143 cm, completely mounted, basic version, color: grey, partly blue,
**drawer inbuilt
**fixation knob for video camera head
**specially rust protected
max. weight: 150kg/330lbs

WV-53022 **Video cart**, size: 62x63 cm, h:110 cm, completely mounted, basic version, color: grey, partly blue,
**drawer inbuilt
**specially rust protected
**max.weight: 150kg/330lbs