

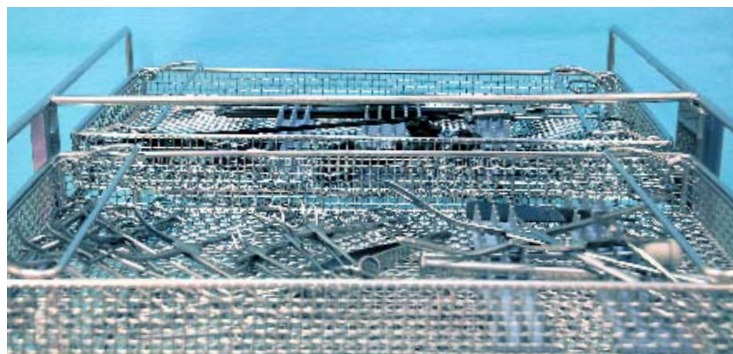
# GETINGE

## LOADING GUIDEBOOK FOR COMMON HOSPITAL INSTRUMENTS IN A GETINGE WASHER-DISINFECTOR



## HOW TO USE THIS LOADING GUIDEBOOK

1. Choose chapter depending on type of speciality i.e. Basic surgery, Orthopedics etc.
2. Each type of instrument set is represented by overview photos of a typical composition of the set. In some cases, there are different loading alternatives presented.
3. The following photos will show you how to load the set in the suitable accessories.



Instrument trays - definitions	SPRI/ISO - standard			DIN-standard	
	SPRI I	SPRI II	SPRI III	DIN 1/1	DIN 1/2
Length mm	450	340	250	480	240
Width mm	340	250	170	250	250
Height mm	70			50	

# CONTENTS

How to use this loading handbook.....	2
Preface.....	5
Loading equipment.....	6
How to load.....	7
Cleaning of spray arms.....	8
<b>■ GENERAL SURGERY .....</b>	<b>9-26</b>
Appendix removal set .....	10
Gall bladder set .....	11
Container with laparoscopic instruments .....	12
Adjustable fixation for abdominal hooks .....	16
Hooks for abdominal openings .....	18
Gastric bypass .....	20
Small vein/carotis.....	24
Stomach and intestine.....	26
<b>■ ORTHOPEDICS .....</b>	<b>27-54</b>
Basic hip joint surgery set.....	28
Hip replacement I .....	30
Hip replacement II.....	32
Cement pistol .....	34
Air driven saw .....	36
Basic knee joint set.....	37
Knee joint set – acufex.....	38
Knee joint set - femur rigid fix.....	40
Knee joint set - tibia rigid fix .....	42
Slipped disc set .....	44
Accessories for slipped disc surgery .....	46
Marrow nails .....	47
Marrow drills.....	48
Endoscopic inspection set for joint surfaces (arthroscopy) .....	50
Gamma .....	52
Stryker pistol .....	54
<b>■ GYNECOLOGY .....</b>	<b>55-66</b>
Incision of abdominal wall .....	56
Endoscopic examination of abdominal cavity.....	58
Diagnostic endoscopy of abdominal cavity .....	62
Additional laparoscopy tools .....	64
<b>■ ENT .....</b>	<b>67-74</b>
Basic ear inspection set.....	68
Eardrum inspection set.....	70
Vocal cords inspection set .....	72
Nasal partition composing set.....	74
<b>■ JAW SURGERY .....</b>	<b>75-78</b>
Jaw surgery.....	76
<b>■ UROLOGY .....</b>	<b>79-84</b>
Resectoscope .....	80
Cystoscope .....	82
<b>■ OPHTHALMIC .....</b>	<b>85-95</b>
Introduction ophthalmic surgery.....	86
Cataract set (phaco) .....	88
Vitrectomy set .....	90
Enucleation set .....	92
Glaucoma set .....	94





# PREFACE

Successful sterilization of surgical instruments depends on good cleaning prior to packaging and sterilization. In recent years, instrument technology has advanced in stride with the development of new surgical methods, e.g. minimally invasive surgery (MIS) comprising telescopes, cannulas, troacars, forceps, scissors and suction devices. These sophisticated instruments are expensive. They consist of different materials. They are complicated in design. And they are sensitive and easy to damage. In other words, skill and care are needed to handle, clean, disinfect, inspect, pack and sterilize these instruments for reuse.

**Sterilization procedures have long been** controlled by standards, tests and certificates. The international standard EN/ISO 15883, with documented requirements for good cleaning results, underlines the necessity of washer-disinfectors and their basic features.

But it's not only the washer-disinfector that is significant for good cleaning results. So are the integrated wash carts and numerous other accessories.

The purpose of this loading guidebook is to give users of Getinge washer-disinfectors illustrated examples of how to load soiled surgical instruments for best possible cleaning results. Different surgical cases need special instrument sets. Some instruments are solid, some are hinged, and others are tubular, with one or more channels. The ultimate goal is to be able to load, clean, disinfect and dry all instruments of the same surgical set on a standard wash cart - even if some instruments might need to be handled separately.

To help us show the practical loading of instruments, the Central Sterilizing Department at Kalmar Hospital, Sweden, kindly cooperated with us on this project. We would especially like to thank Ulla Eriksson and Britt-Marie Klingstedt at Kalmar

hospital for their excellent assistance and practical help in the creation of this loading guidebook.

As you will see we have used different wash-carts, some for the Getinge 8666 and some for our smaller models. This is intentional as we want to show that no matter the size of the washer-disinfector, you should be able to obtain a good cleaning result. We have also chosen to use very little explaining text. This is also intentional as we want everyone all over the world, no matter what language they use, to be able to use this book as a reference guide and as a basis for discussions. We also hope that the photos are self-explanatory.

In this second edition of the Loading Guidebook, we have also added more sections, such as Urology and Ophthalmic.

**Enjoy your copy of the Loading Guidebook!**



# LOADING EQUIPMENT

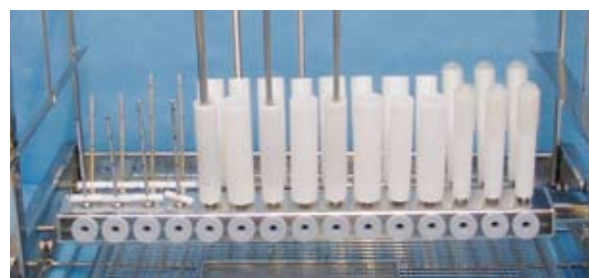
Below you can see the Loading Equipment that has been used in this Loading Guidebook.



MIS-cart



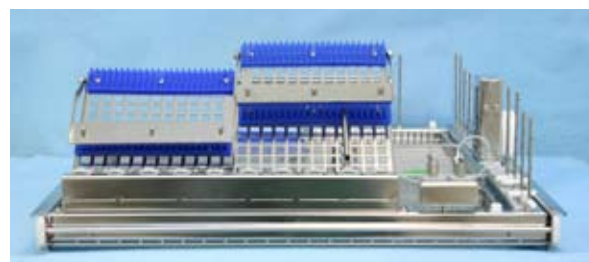
Ophthalmic ramp for 1345



MIS Instrument Ramp



OP-wash cart, 4 levels



Universal rack for tubular instruments. When using this in a OP-wash cart, remove one sprayarm and one shelf.

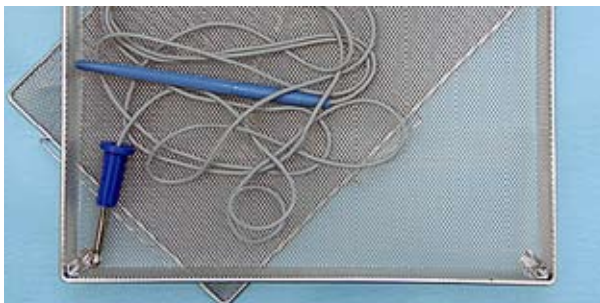


The DIN 1/1 tray is most frequently used in this Loading Guidebook. In cases where other trays are more suitable the DIN tray has been replaced.

# HOW TO LOAD



All jaws must be open during cleaning.



Place all cables in a separate tray. To prevent the cables from being damaged, use a tray with lid.



Dismount the screw



Place all small parts in a fine mesh tray with lid.  
Art No. 499363700



Use a spring to prevent light instruments from moving during the cleaning process. Art No. 123618 (L=100). Art No. 468525000 (L=160)



For telescope – use a Telescope tray.  
Art No. 561620802



For sensitive instruments use the Instrument Holding system.  
Art No. VDM411B

## CLEANING OF SPRAY ARMS

To have a good cleaning result it is important to have the right conditions. Getinge can offer easy to clean spray arms.



Remove the end caps and use a brush or compressed air to clean the inside of the wing.



# GENERAL SURGERY

Appendix removal set .....	10
Gall bladder set .....	11
Container with laparoscopic instruments .....	12
Adjustable fixation for abdominal hooks .....	16
Hooks for abdominal openings .....	18
Gastric bypass .....	20
Small vein/carotis .....	24
Stomach and intestine .....	26



## APPENDIX REMOVAL SET



The Appendix set consists of 47 solid instruments to be placed in trays.



Loading example in MIS-cart



Open all jaws before cleaning.



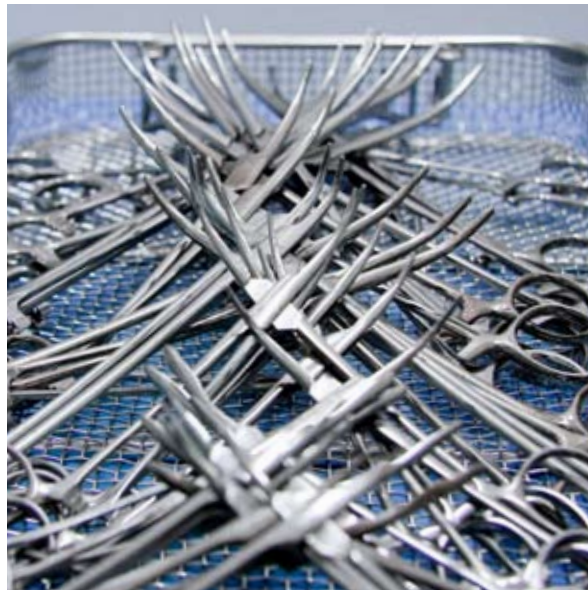
## GALL BLADDER SET



The Gall bladder set consists of:  
69 solid instruments to be placed in trays.



DIN-trays are placed on an OP-wash cart, 4 levels.



Open all jaws before cleaning.

## CONTAINER WITH LAPAROSCOPIC INSTRUMENTS

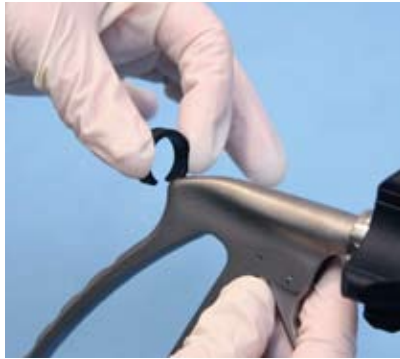


The Laparoscopy container set consists of:  
30 solid instruments to be placed in trays and 13 tubular instruments.





A.1 Grab the metallic spring.



A.2 Remove the spring.



A.3 Separate the rod from the handle.



A.4 Separate the rods from each other.



A.5 Separate the rods from each other.



A.6 Dismantle the rubber from the handle.



The instrument is now completely separated.



These instruments must also be separated before cleaning.



Place all small parts in a fine mesh tray.

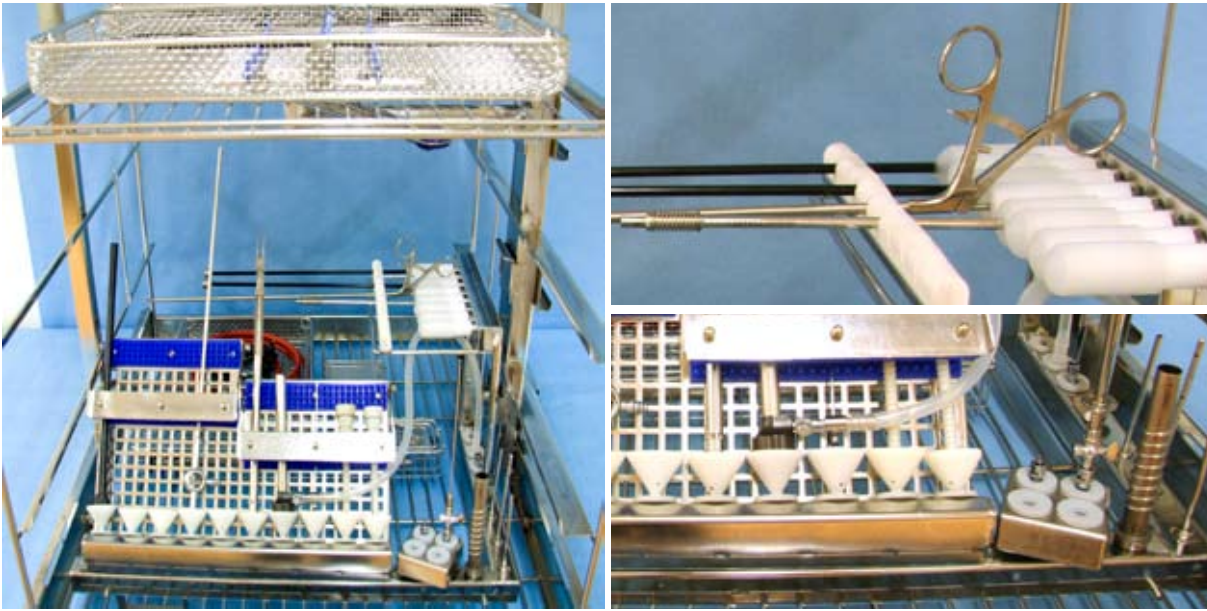


Loading example on MIS-cart. All tubular instruments are connected to injectors. Solid instruments and telescope are placed in trays.

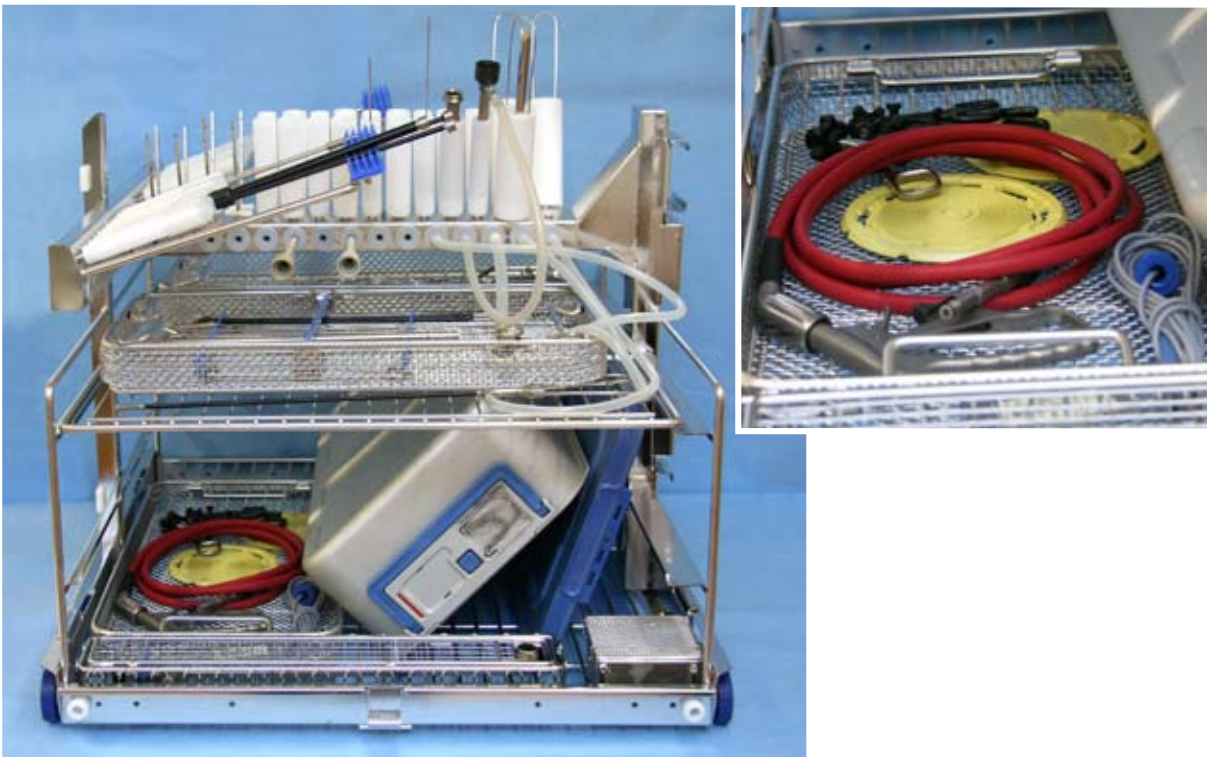


To protect sensitive instruments use the Instrument Holding System.



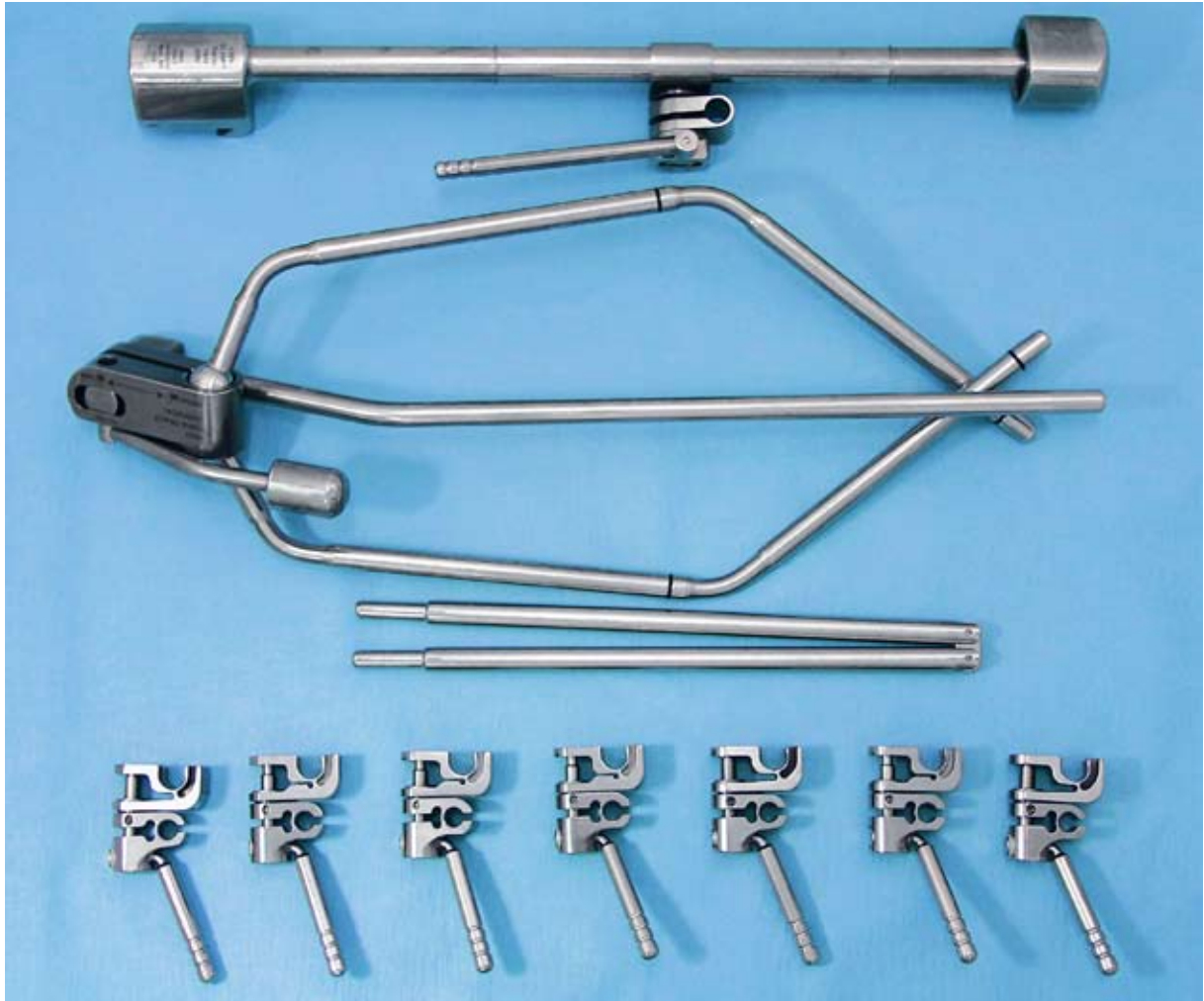


Loading example on OP-wash cart, 4 level equipped with rack for tubular instruments and Clamp injector head .



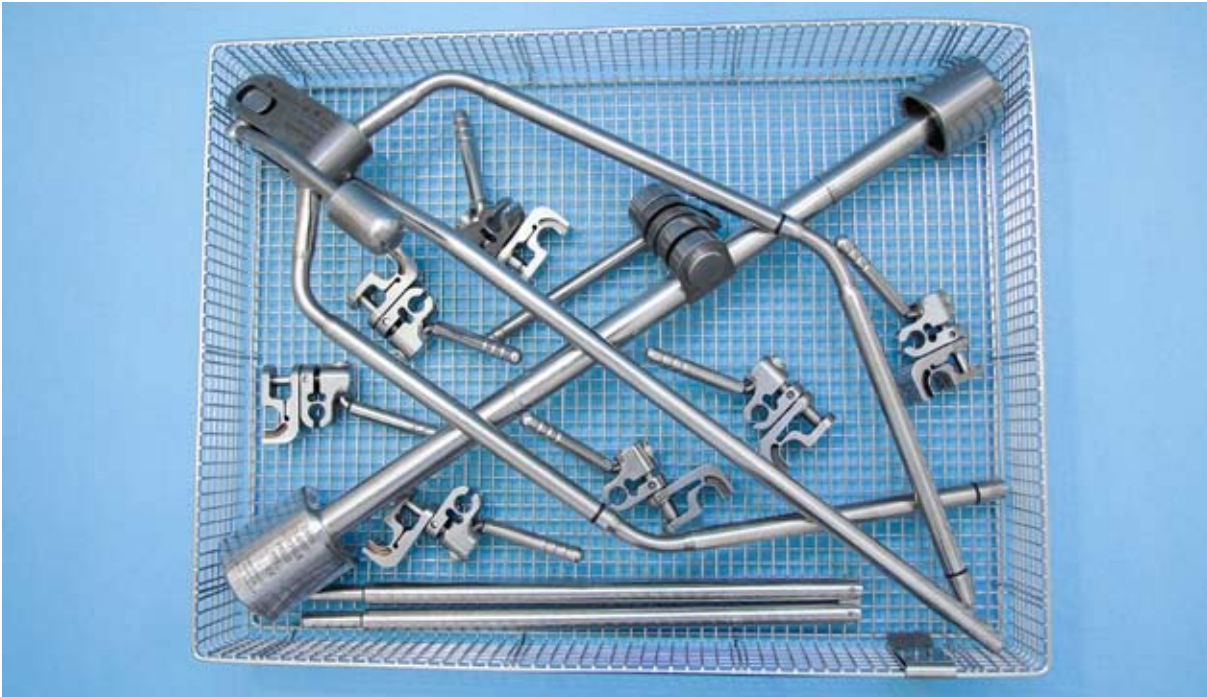
Container and instruments can all be cleaned together. This is a loading example on a MIS-cart.

## ADJUSTABLE FIXATION FOR ABDOMINAL HOOKS



The Adjustable fixation for abdominal openings consists of:  
10 solid instruments to be placed in trays.





The picture shows a SPRI I tray. Please note that a DIN 1/1 tray is too small for Abdomen fixation.

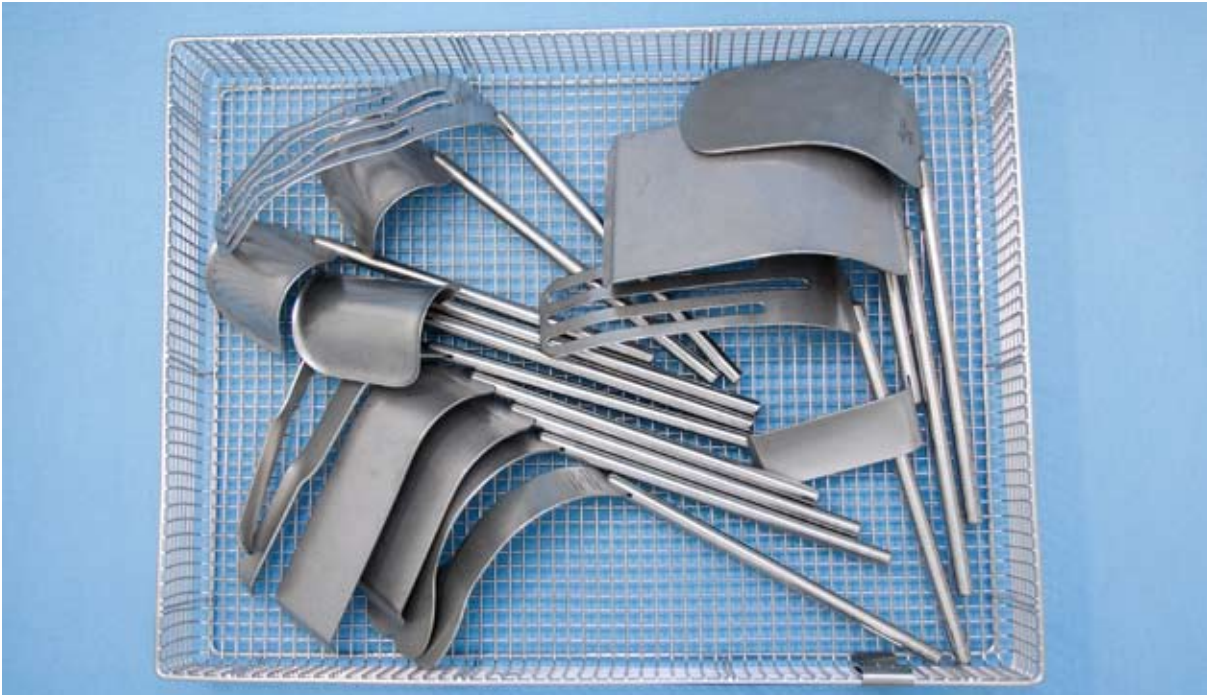


Loading example on OP-wash cart, 4 level.

## HOOKS FOR ABDOMINAL OPENINGS



The Abdomen hooks set consists of:  
14 solid instruments to be placed in trays.



The picture shows a SPRI I tray. Please note that a DIN 1/1 tray is too small for Abdomen blades.



Loading example on OP wash cart, 4 level.

## GASTRIC BYPASS



The Gastric bypass set consists of:  
2 solid instruments to be placed in trays, and 6 tubular instruments.





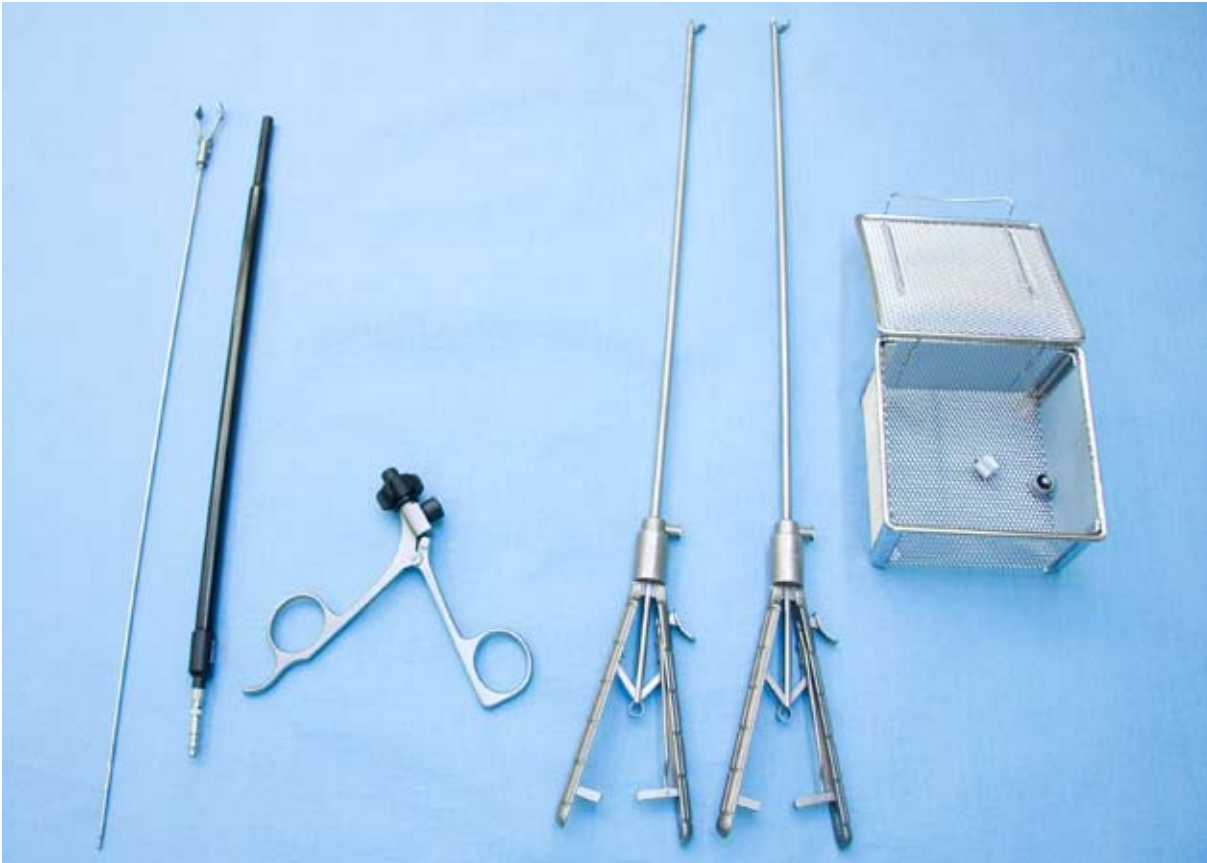
A.1 Push the button on the handle.



A.2 Separate the pipe from the handle.



A.3 Pull out the rod from the pipe.



The instruments are now correctly separated. Place the small parts in a fine mesh tray.



Loading example on a OP-wash cart, 4 levels equipped with MIS instrument ramp



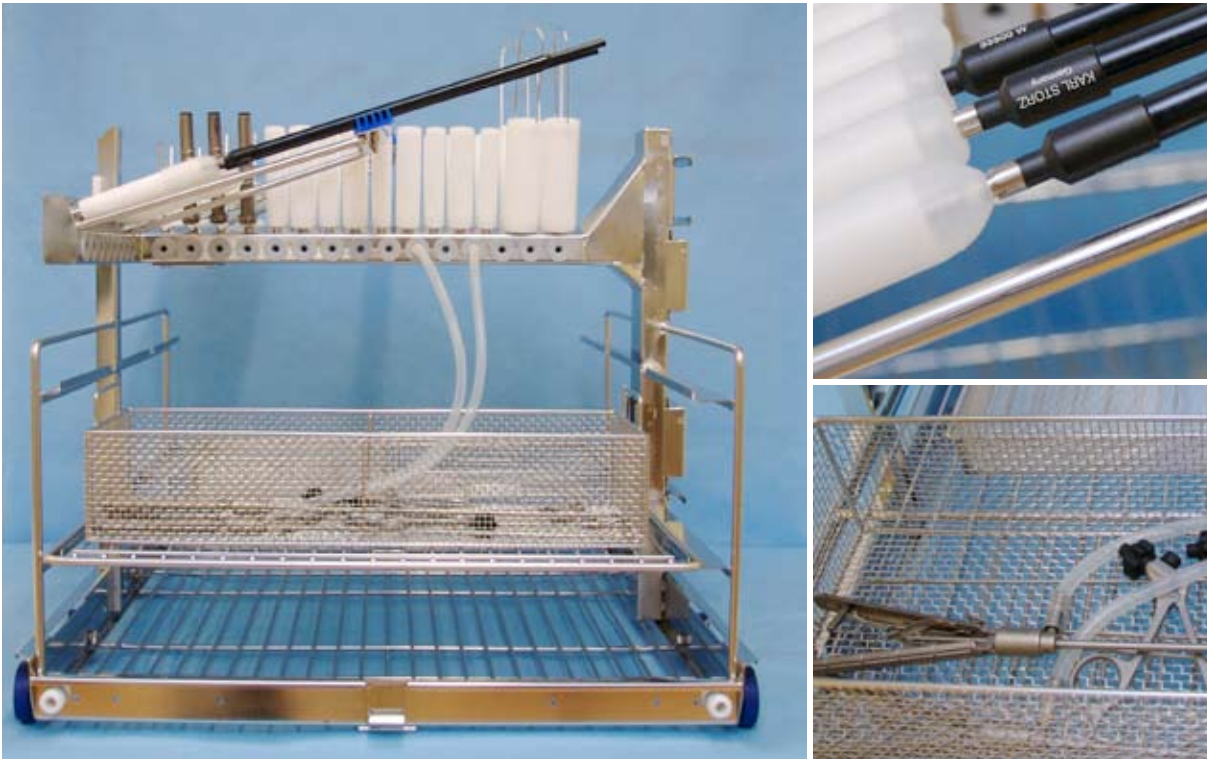
Open all jaws before cleaning



Place the fine mesh trays on the shelf. Make sure they don't stand directly under the MIS ramp to prevent cleaning shadows.



Connect the needle holder to silicon hoses and place them in a DIN-tray.



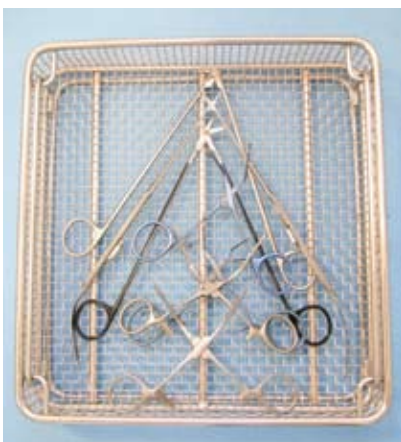
Loading example on MIS cart.



## SMALL VEIN/CAROTIS



Small Vein/Carotis set consists of:  
8 solid instruments to be placed in trays and 2 tubular instruments.



Open all jaws.

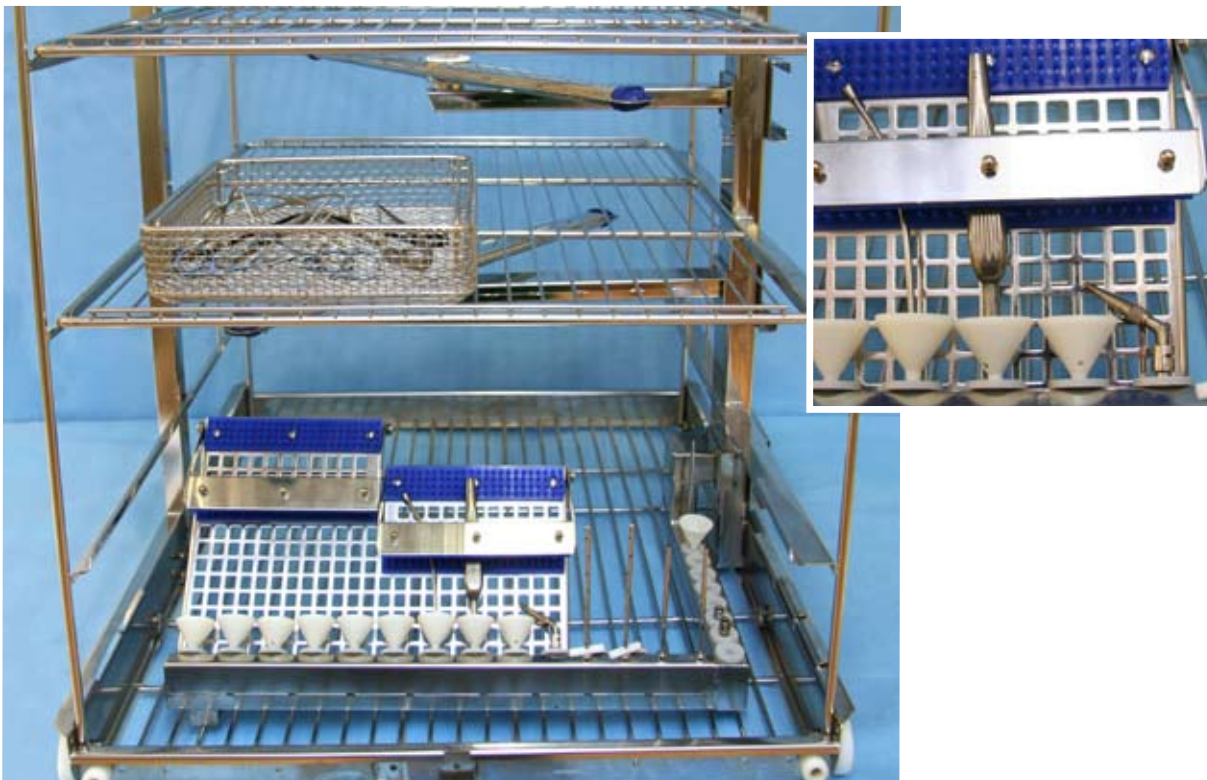




A.1 Separate the instrument by holding the handle and twist the upper part.



A.2 The instrument is now correctly separated.

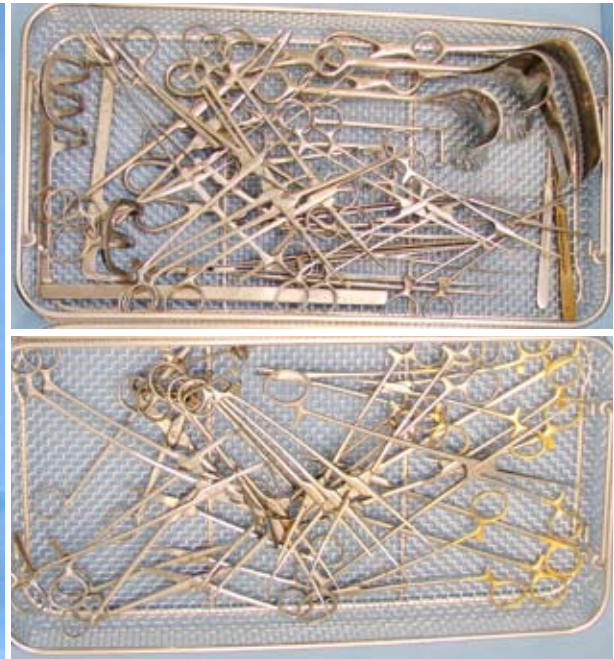


Loading example on OP-wash cart, 4 levels equipped with rack for tubular instruments. All tubular instruments are connected to injectors. Solid instruments are placed in trays.

## STOMACH AND INTESTINE



The Stomach and Intestine set consists of:  
92 solid instruments to be placed in trays.



Loading example on OP-wash cart, 4 levels.



## ORTHOPEDICS

Basic hip joint surgery set .....	28
Hip replacement i .....	30
Hip replacement ii .....	32
Cement pistol .....	34
Air driven saw .....	36
Basic knee joint set .....	37
Knee joint set – acufex .....	38
Knee joint set - femur rigid fix .....	40
Knee joint set - tibia rigid fix .....	42
Slipped disc set .....	44
Accessories for slipped disc surgery .....	46
Marrow nails .....	47
Marrow drills .....	48
Endoscopic inspection set for joint surfaces (arthroscopy) .....	50
Gamma .....	52
Stryker pistol .....	54





## BASIC HIP JOINT SURGERY SET



The Basic Hip joint surgery set consists of:  
71 solid instruments to be placed in trays.

**A hip surgery consist of four instrumentation sets:**

- **Basic Hip joint surgery**
- **Hip Replacement I**
- **Hip Replacement II**
- **Cement pistol**

**All four sets are presented before the examples of loading.**



A. The "bone rongeur" must be separated before cleaning.

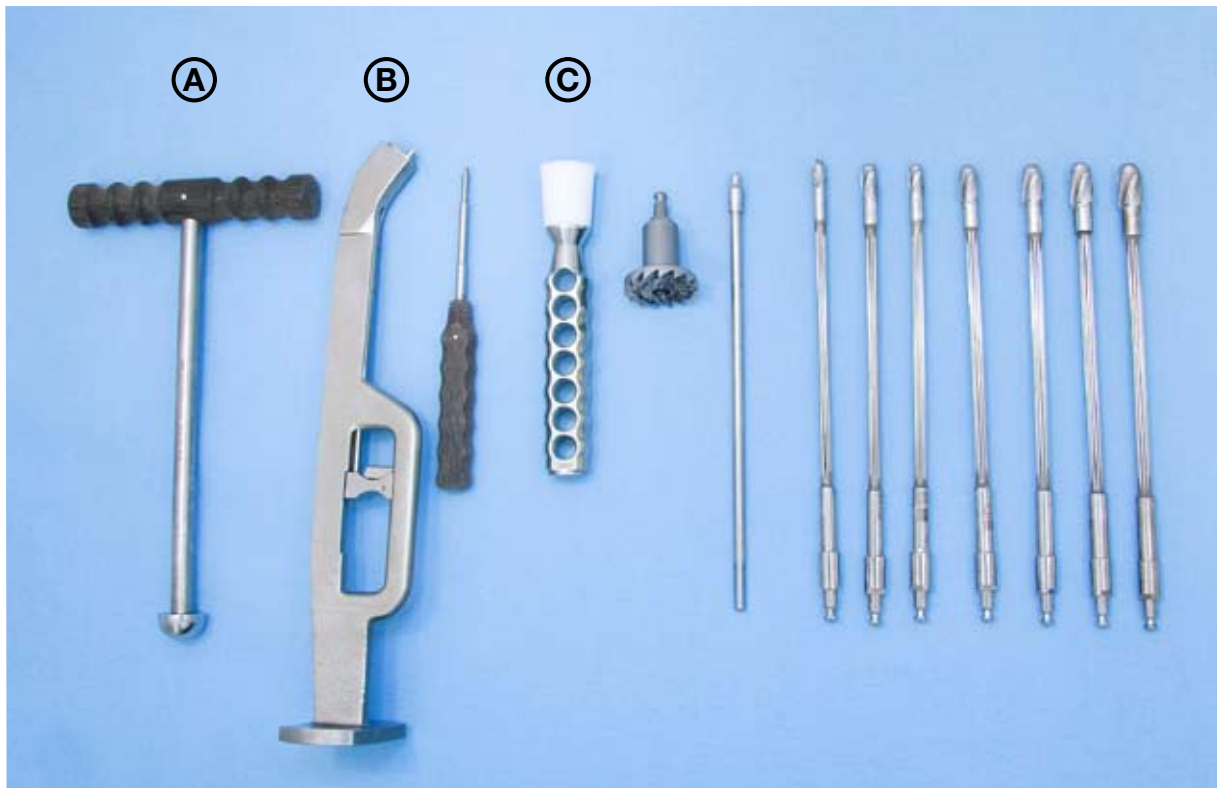


Place the small parts in a fine mesh tray.



Open all jaws.

## HIP REPLACEMENT I



Hip Replacement I set consists of:  
5 solid instruments to be placed in trays and 7 tubular instruments.

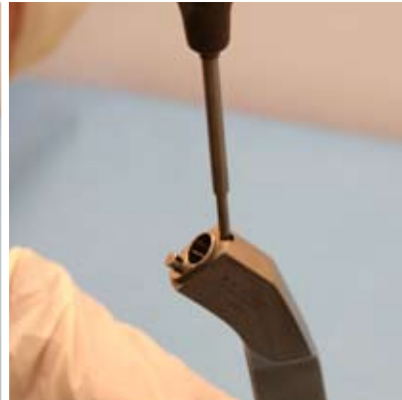




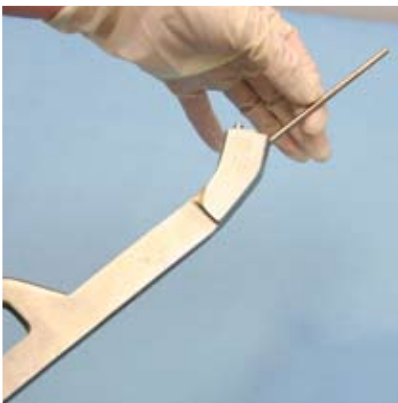
A. Dismantle the top.



B.1 Push the button upwards.



B.2 Loose the pin by using the screwdriver that belongs to the instrument.



B.3 Pull out the pin.



B.4 Push out the bottom.

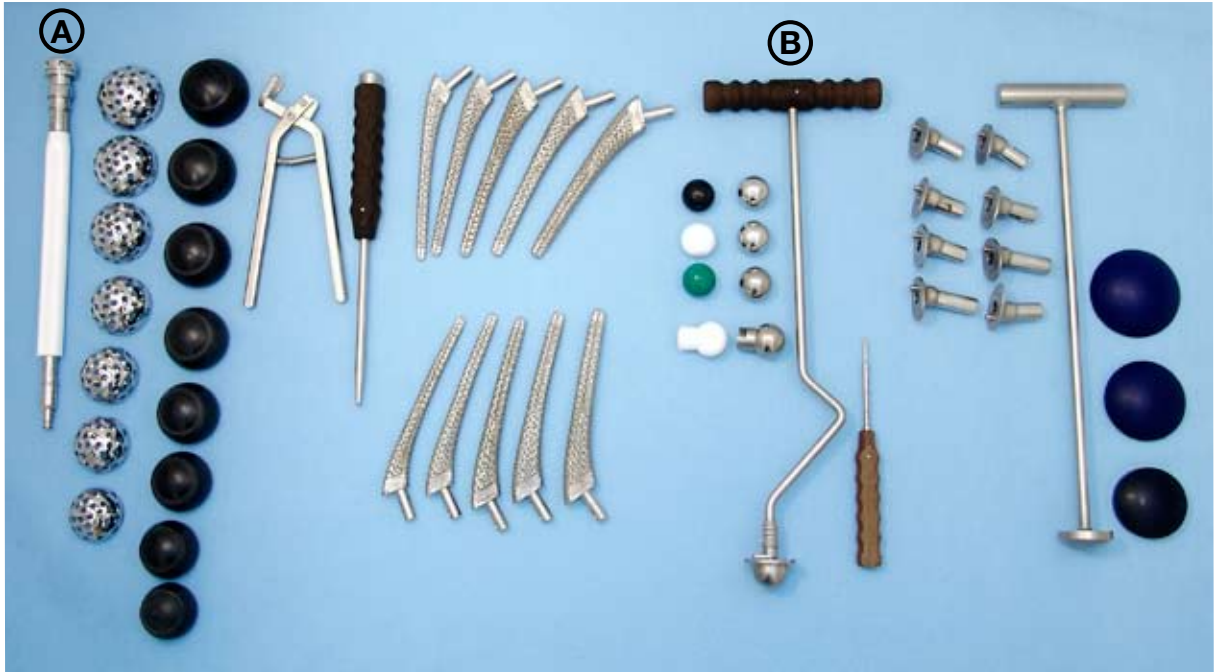


C Dismantle the plastic top.



Place all instruments in a DIN tray. The flexible cutters are connected to injectors.

## HIP REPLACEMENT II



Hip Replacement II set consists of:  
47 solid instruments to be placed in trays and 1 tubular instrument.



A.1 Remove the white cover.  
Rotate one quarter turn.



A.2 Grab the spring.



A.4 The handle is now correctly separated.



B.1 Pull of the block



B.2 Dismantle the screw. The cup holder with  
block is now correctly separated.



The separated instruments.  
Place the small parts in a fine mesh tray.





## CEMENT PISTOL



Cement pistol set consists of:  
6 solid parts to be placed in trays.



**Loading examples with Basic Hip joint, Hip Replacement I,  
Hip Replacement II and Cement pistol**



Loading example on OP-wash cart, 4 levels equipped with Rack for Tubular Instruments and Clamp Injector Head. In total there are 8 tubular instruments.



Loading example on MIS-cart.

## AIR DRIVEN SAW



The Air driven saw set consists of:  
11 solid instruments to be placed in trays.



Connect the hose before cleaning. Place the tray in a Wash Cart



The handle is sensitive and requires hand washing.



## BASIC KNEE JOINT SET



The Basic knee joint set consists of:  
36 solid instruments to be placed in trays.



Open all jaws before cleaning. Place the tray in a wash cart.

## KNEE JOINT SET – ACUFEX



The Knee joint Acufex set consists of:  
12 solid instruments to be placed in trays and 16 tubular instruments.



A.1 Pull out the screw



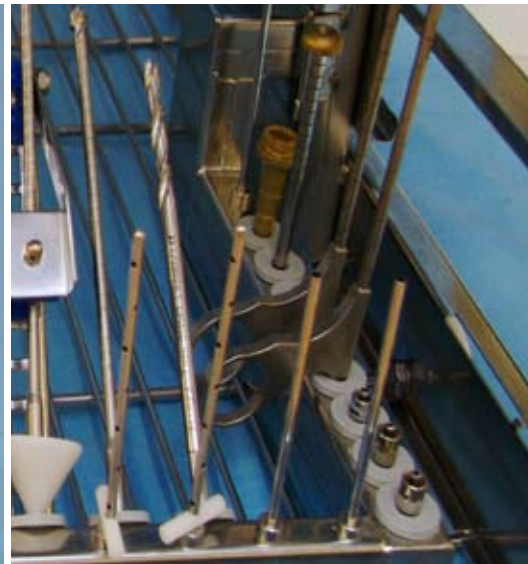
A.2 Twist the black button



A.3 Separate the two parts.



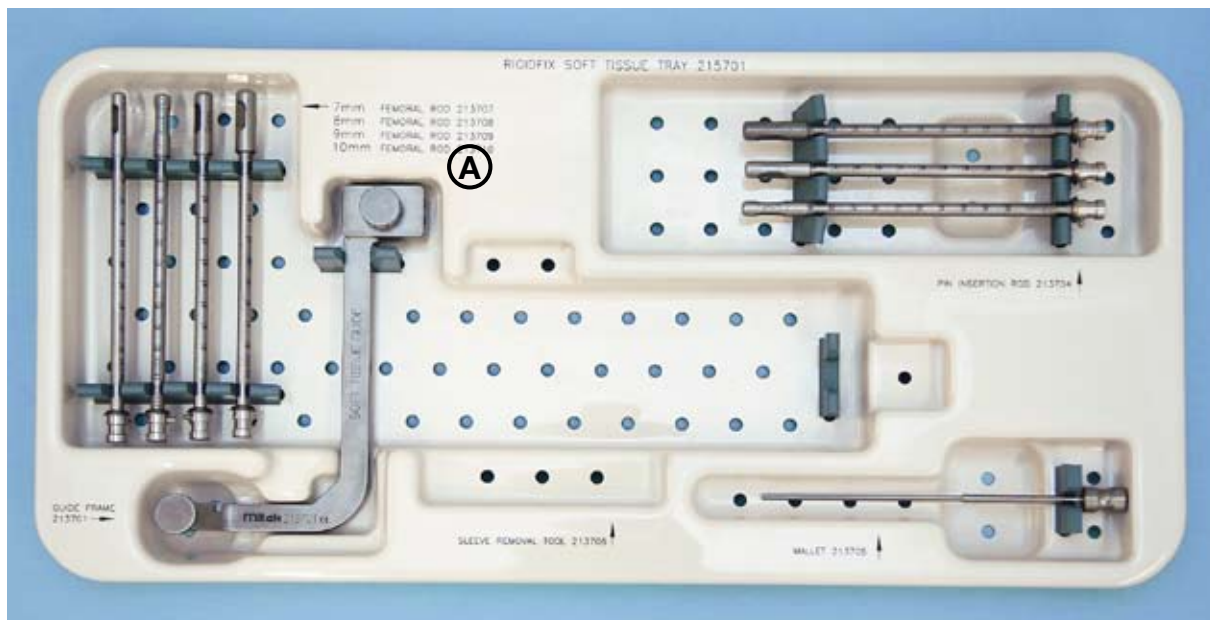
This is a loading example on MIS-cart. Place all tubular instruments in injectors and the solid instruments in DIN trays. Small parts are placed in a fine mesh tray.



Loading example on OP-wash cart, 4 levels equipped with a Rack for Tubular Instruments.



## KNEE JOINT SET - FEMUR RIGID FIX



The Knee joint set - Femur Rigid Fix consists of:  
1 solid instrument to be placed in trays and 7 tubular instruments.



A.1 Twist the screw.



A.2 Separate the two parts.



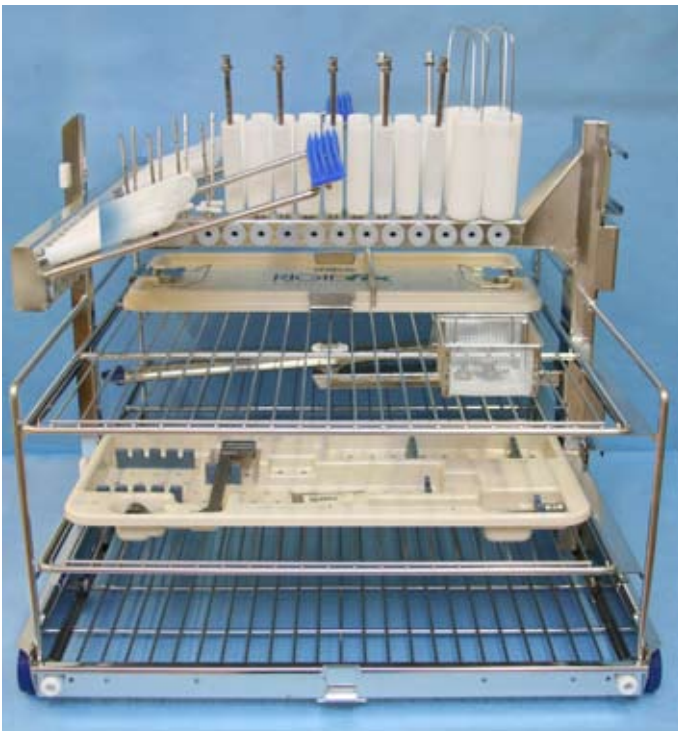
A.3 Remove the screw.



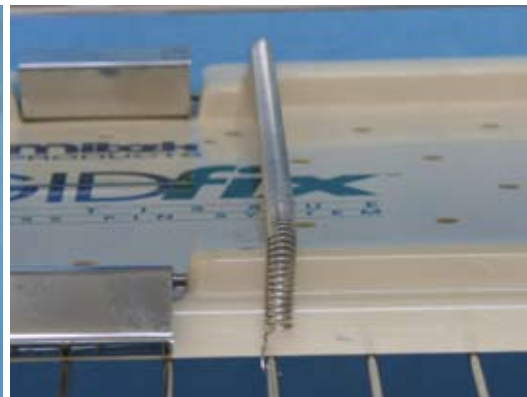
Loading example on a MIS-cart. Both used and unused instruments are placed in DIN trays on injectors. The container can either be placed on the MIS-cart or on a separate wash cart.



Place all small parts in a fine mesh tray.

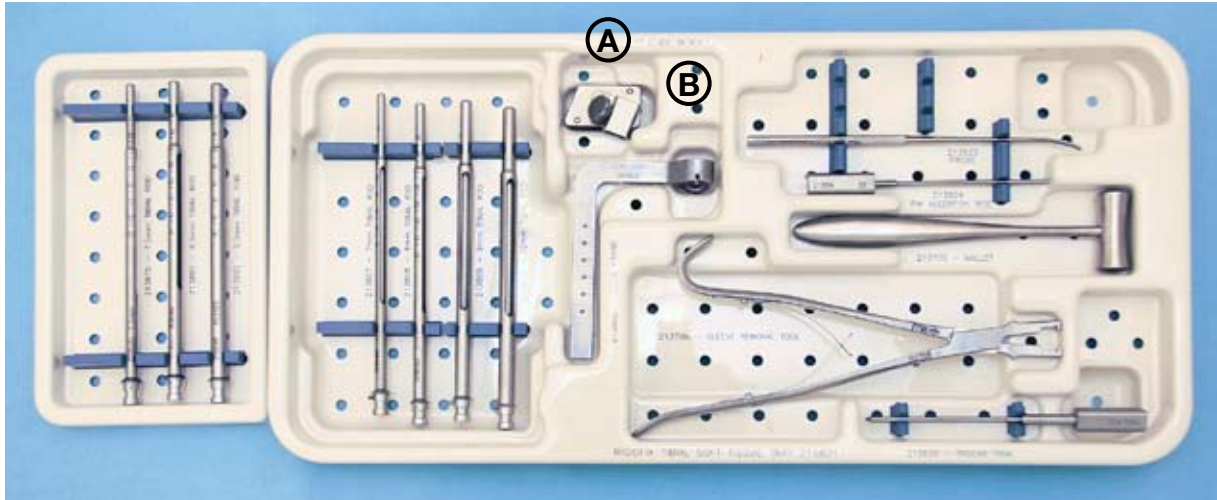


Loading example on a MIS-cart. The unused solid instruments are still in the container. All instruments can preferably be placed in a DIN tray.



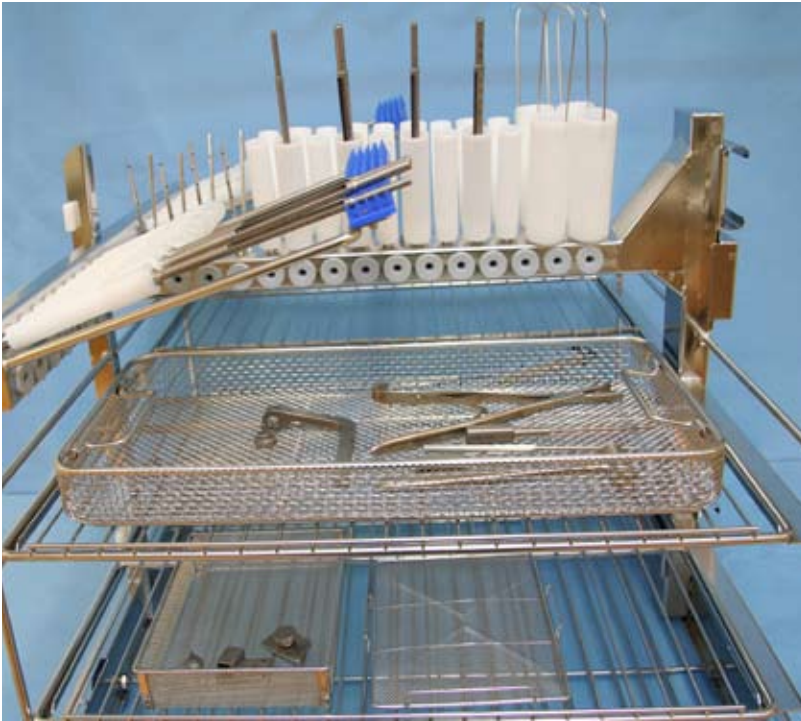
Use a spring for the container lid to prevent it from moving around during the washing process.

## KNEE JOINT SET - TIBIA RIGID FIX



The Knee joint set - Tibia rigid fix consists of:  
5 solid instruments to be placed in trays and 7 tubular instruments.





Loading example on a MIS-cart. Both used and unused instruments are placed in DIN trays or on injectors. The container can either be placed on the MIS-cart or together with other containers on a separate wash cart.



Place the small parts in a fine mesh tray with lid.



Loading example on a OP-wash cart, 4 levels.

## SLIPPED DISC SET



The Slipped Disc set consists of:  
64 solid instruments to be placed in trays.



The bone rongeur must be separated before  
cleaning.





Place the small parts and the cable in separate trays with lids.





## ACCESSORIES FOR SLIPPED DISC SURGERY



The Accessories for slipped disc set consists of:  
12 solid instruments to be placed in trays.



Place the tray in a wash cart.



Open all jaws before cleaning.

# MARROW NAILS



The Marrow Nails set consists of:  
30 solid instruments to be placed in trays.



Place all nails in DIN trays. Place the tray on a wash cart.

## MARROW DRILLS



The Marrow drills set consists of:  
19 solid instruments to be placed in trays and 5 tubular instruments.





Loading example in a OP-wash cart, 4 levels, equipped with a Rack for Instruments.



Place the bore heads in a fine mesh tray with lid.



Loading example in a OP-wash cart, 4 levels, equipped with a MIS Instrument Ramp.

## ENDOSCOPIC INSPECTION SET FOR JOINT SURFACES (ARTHROSCOPY)



The Endoscopic inspection set for joint surfaces set consists of:  
9 solid instruments to be placed in trays and 3 tubular instruments.



A. Dismantle the screw

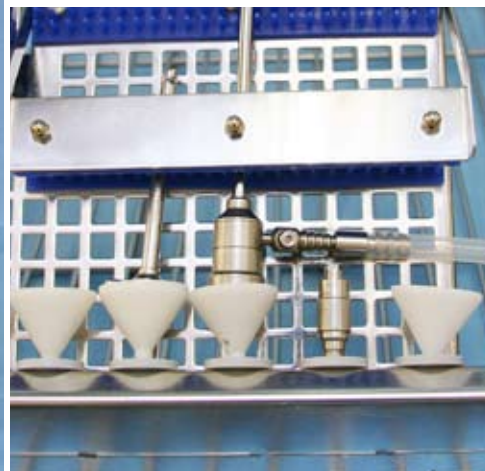


Connect the Trocar to a silicon hose which is connected to the MIS-cart. Make sure the tap is open.



Loading example on a OP-wash cart, 4 levels equipped with a Rack for Tubular instruments.

Place all solid instruments in a DIN tray, the telescope in a Telescope tray and connect tubular instruments to injectors.



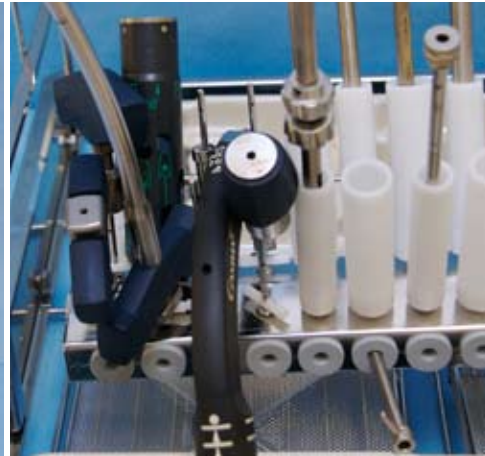
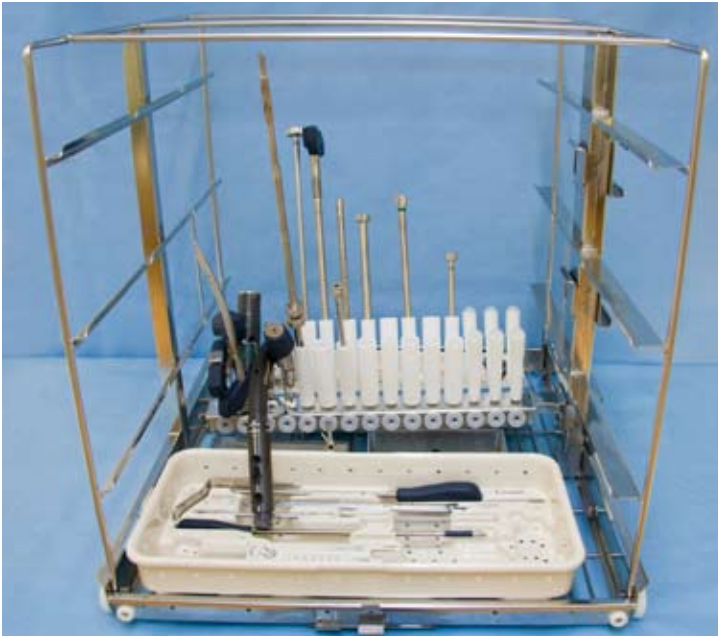
Make sure the tap is open.



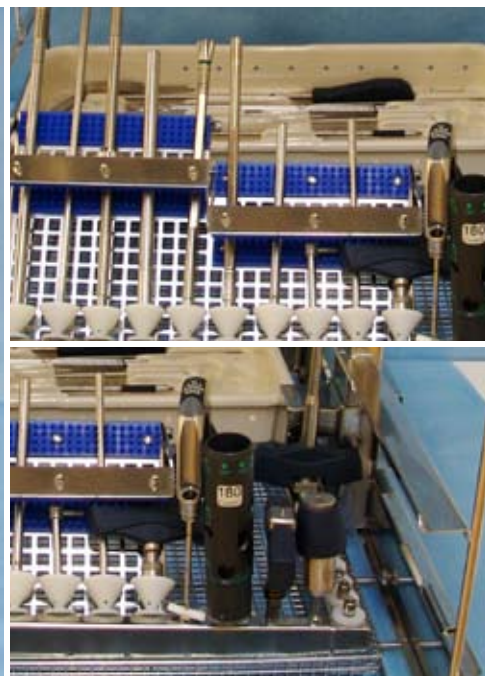
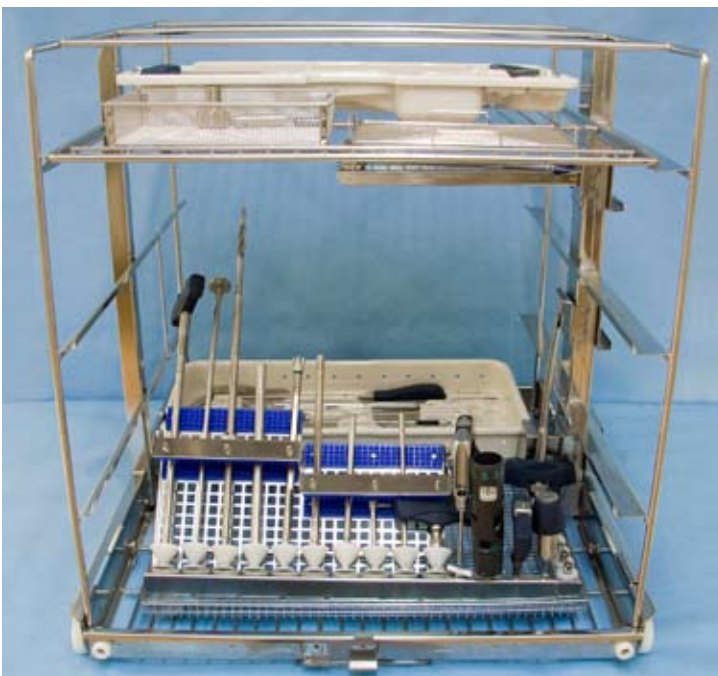
# GAMMA



The Gamma set consists of:  
16 solid instruments to be placed in trays and 15 tubular instruments.



Loading example on OP-wash cart, 4 levels equipped with MIS Instrument Ramp. Tubular instruments are connected to injectors and unused solid instruments are still in the manufacturer's container. All instruments can preferably be placed in a DIN tray.



Loading example on OP-wash cart, 4 levels equipped with Universal holder.

## STRYKER PISTOL



The Stryker pistol consists of:  
11 solid parts to be placed in trays.



Place the DIN tray on the shelf of a wash cart. The picture shows a  
DIN tray with Stryker stand from the the instrument manufacturer.



## GYNECOLOGY

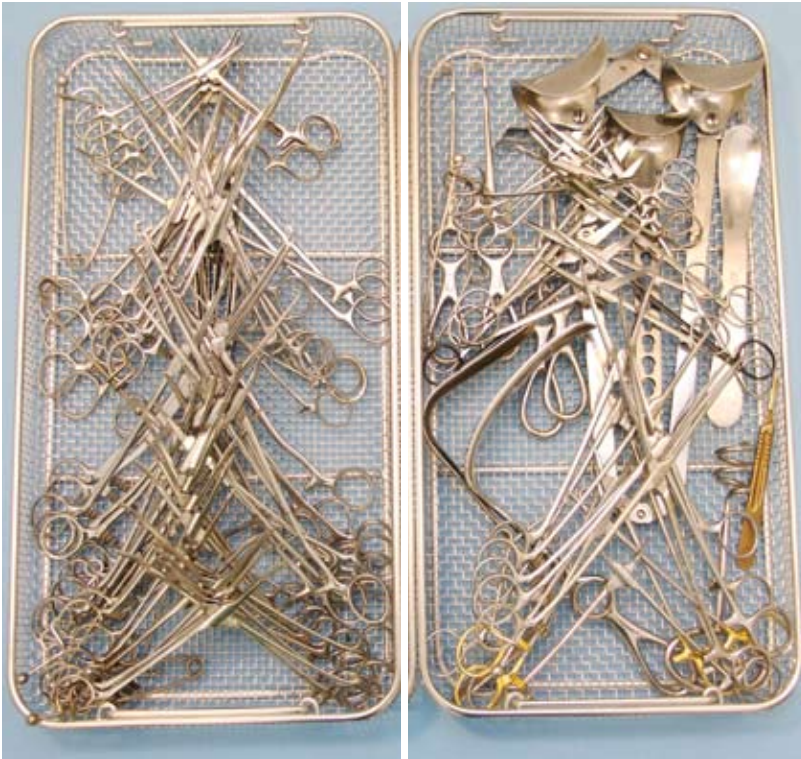
Incision of abdominal wall .....	56
Endoscopic examination of abdominal cavity.....	58
Diagnostic endoscopy of abdominal cavity .....	62
Additional laparoscopy tools .....	64



## INCISION OF ABDOMINAL WALL



The Incision of abdominal wall set consists of:  
79 solid instruments to be placed in trays.



Place all instruments in DIN-trays.



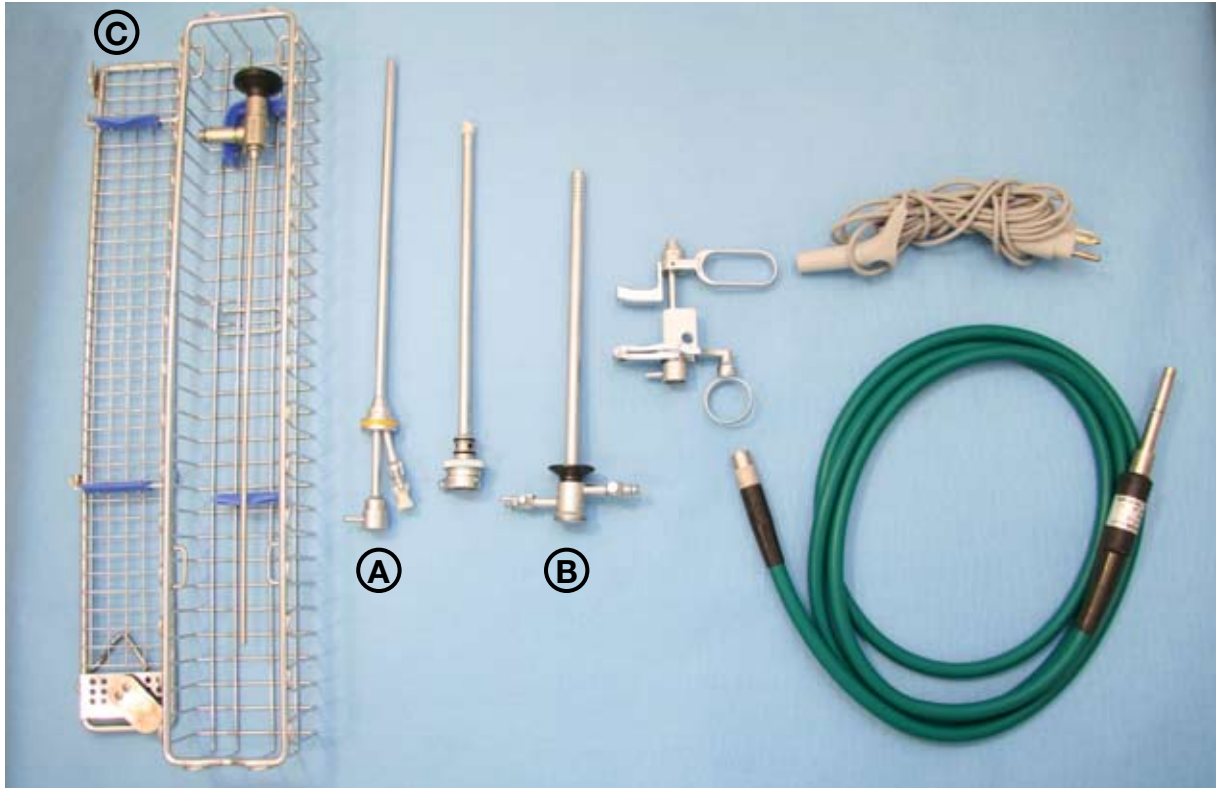
Loading example on a MIS-cart.



Open all jaws.



## ENDOSCOPIC EXAMINATION OF ABDOMINAL CAVITY



The Endoscopic examination of abdominal cavity set consists of:  
1 solid instrument to be placed in trays and 4 tubular instruments.



A.1 Remove the white hat.



A.2 Unscrew the screw.



A.3 Separate the tap from the instrument.



B.1 Unscrew the screw.



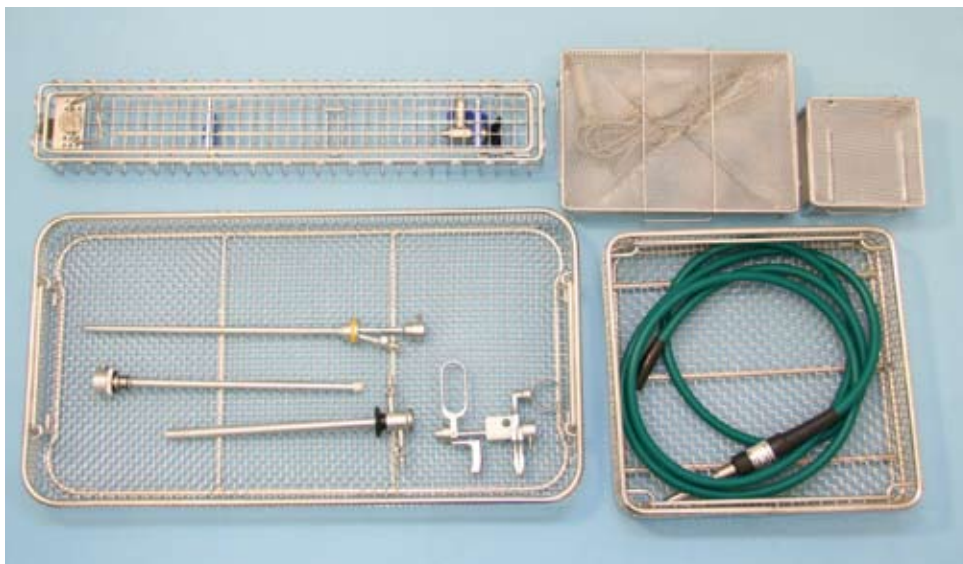
B.2 Separate the tap from the instrument.



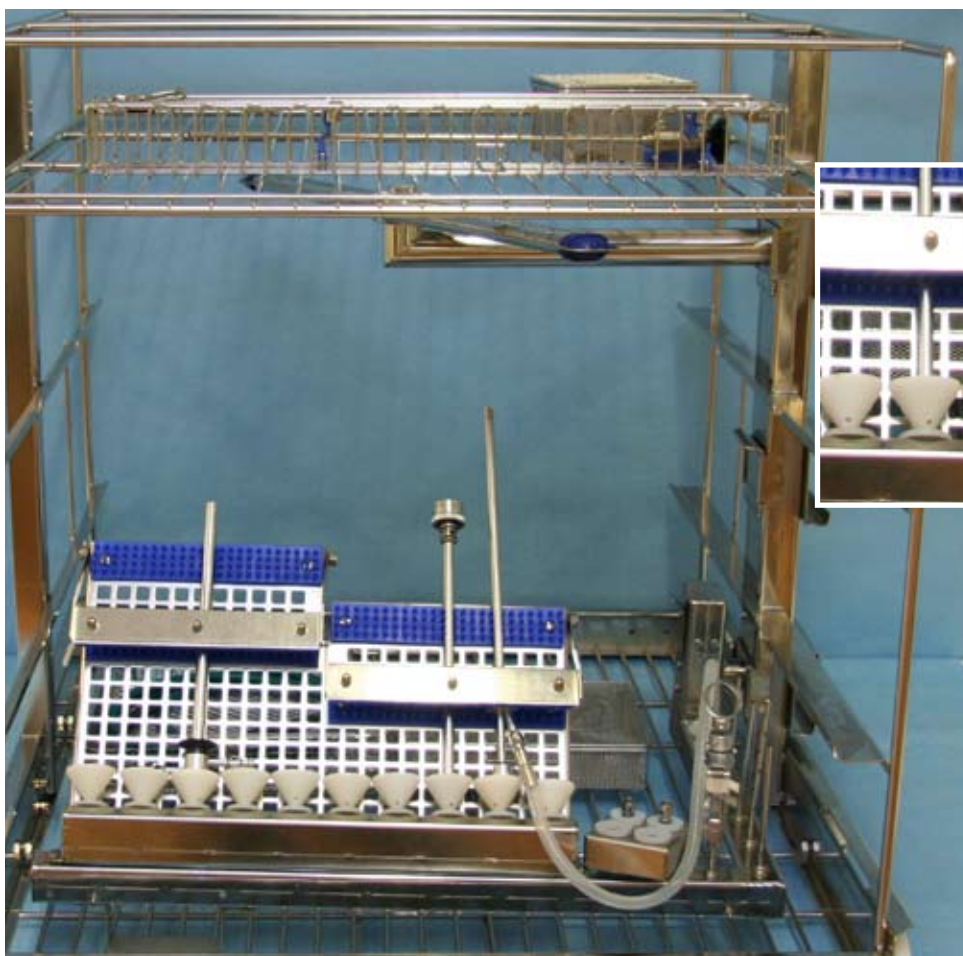
C. Dismantle the screw.



Place all small parts in a fine mesh tray.



Place the telescope in a Telescope basket and the small cable in a tray with lid.

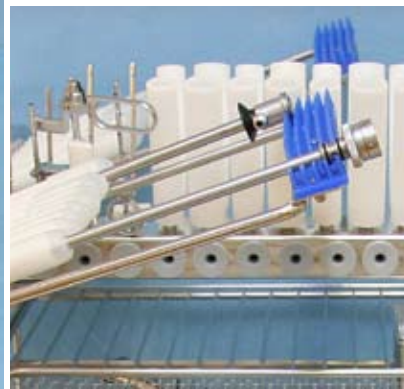


Place all tubular instruments in the Rack for Tubular instruments. Connect the gynecare with the hat with an extra silicon hose.





Loading example on MIS-cart.



Loading example on MIS Instrument ramp. Use a spring to prevent the instrument from moving during the wash process.



## DIAGNOSTIC ENDOSCOPY OF ABDOMINAL CAVITY



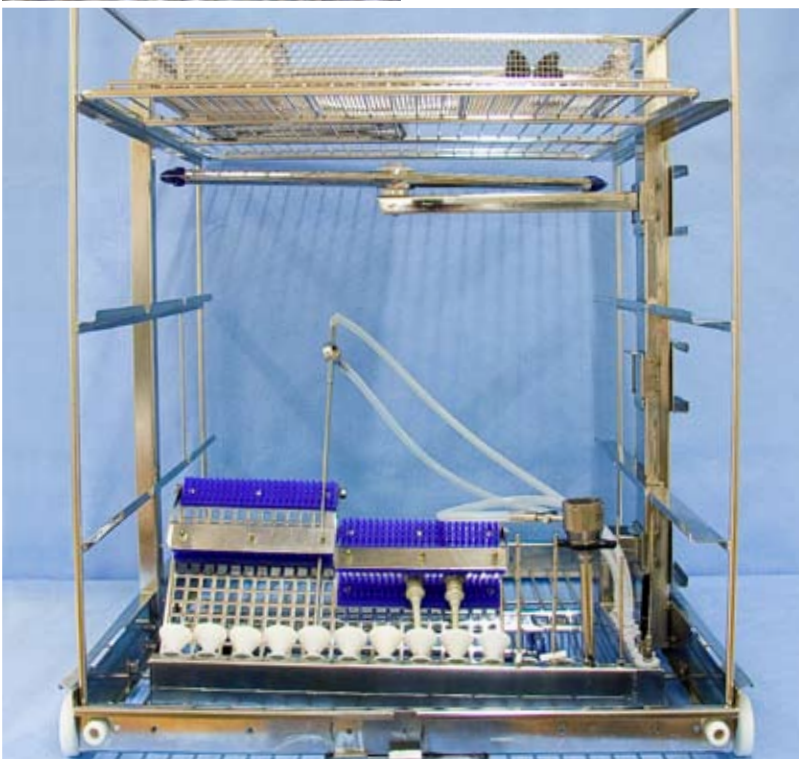
The Diagnostic endoscopy of abdominal cavity set consists of:  
3 solid instruments to be placed in trays and 6 tubular instruments.







Loading example on a MIS-cart.



Loading example in OP-wash cart, 4-levels equipped with Rack for Tubular Instrument.





## ADDITIONAL LAPAROSCOPY TOOLS



The Additional laparoscopy tools set consists of:  
10 tubular instruments.



A.1 Push the button.



A.2 Separate the parts.



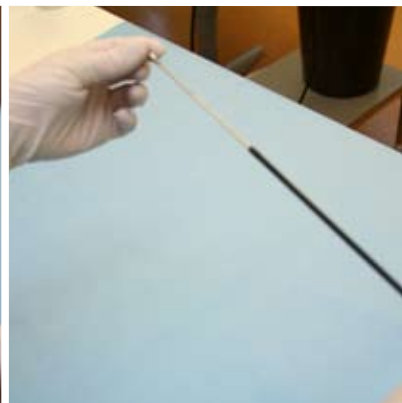
A.3 Pull out the rod.



B.1 Push the button.



B.2 Separate the parts.



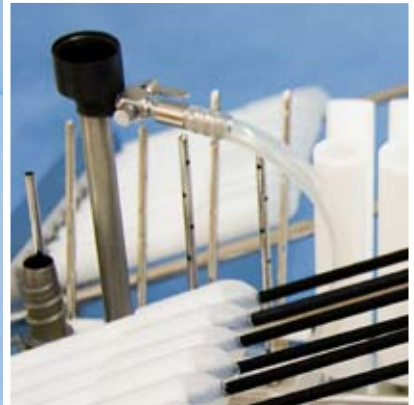
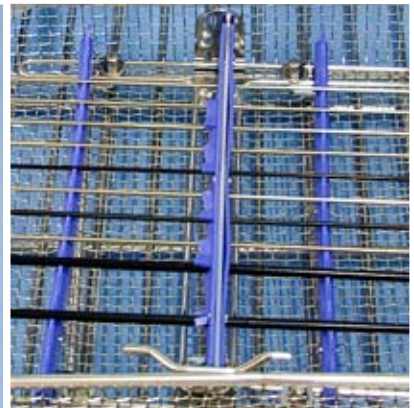
B.3 Pull out the rod.



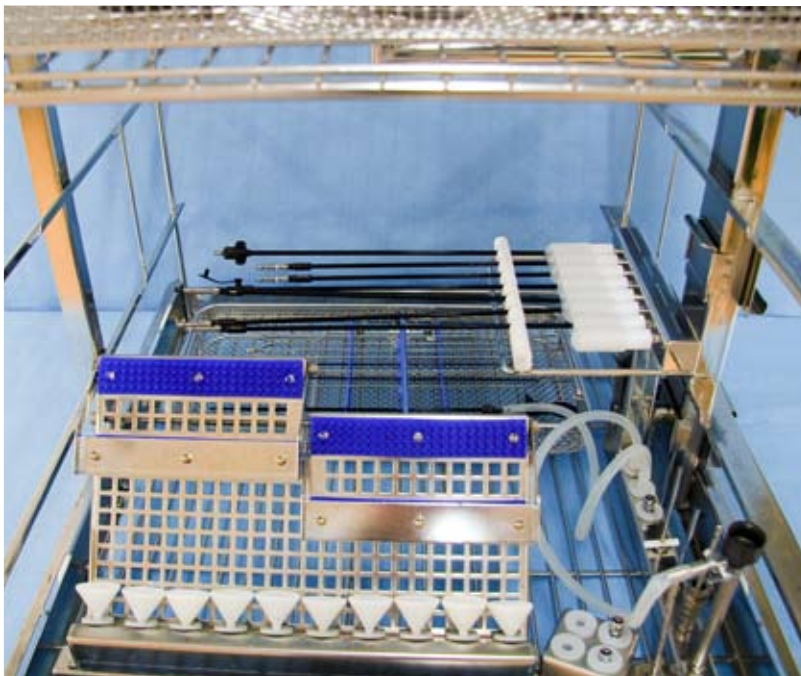
All parts are separated and can be washed.



Place all small parts in a fine mesh tray.



Loading example on a MIS-cart. Connect the tubular instruments to injectors and place the rod in the Instrument holding system.



Loading example on OP-wash cart, 4 levels equipped with a Rack for tubular instruments and Clamp injector head.



## ENT

Basic ear inspection set.....	68
Eardrum inspection set.....	70
Vocal cords inspection set.....	72
Nasal partition composing set.....	74



## BASIC EAR INSPECTION SET



The Basic ear inspection set consists of:  
47 solid instruments to be placed in trays and 2 tubular instruments.





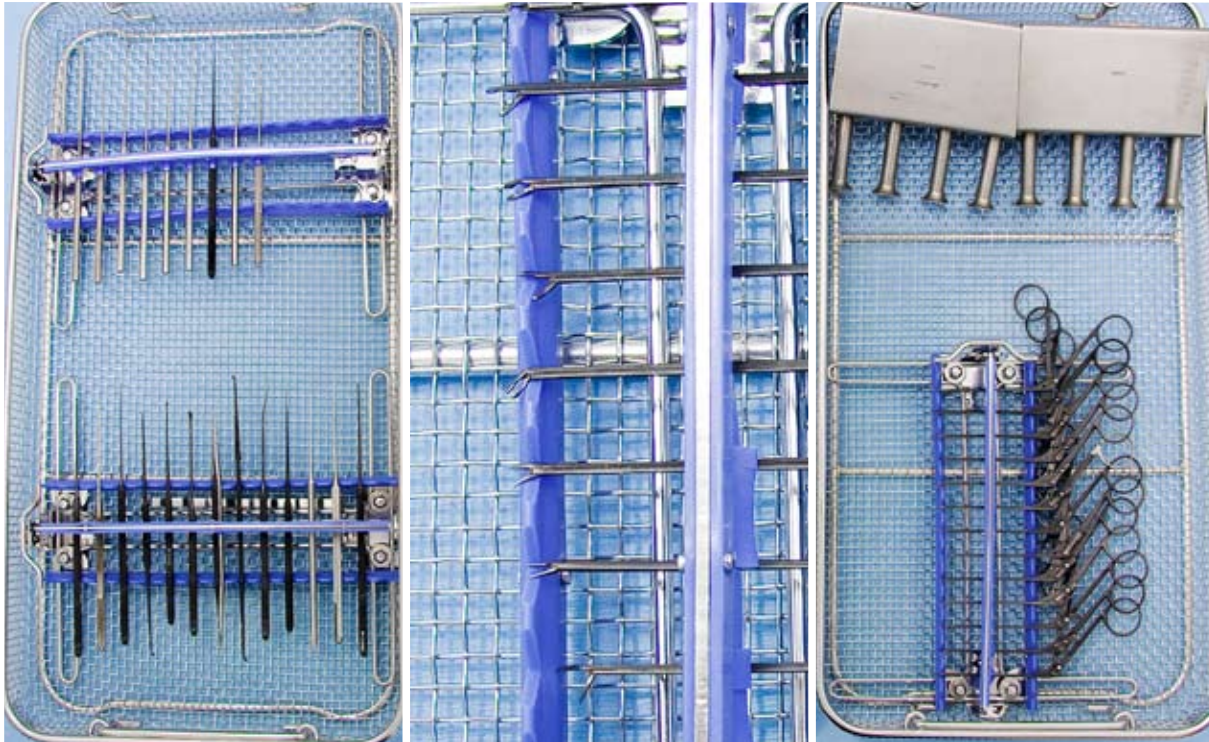
Loading example on OP-wash cart, 4 levels equipped with Rack for Tubular Instruments and Clamp injector head. Connect the suctions to injectors.



## EARDRUM INSPECTION SET



The Eardrum inspection set consists of:  
46 solid instruments to be placed in trays.

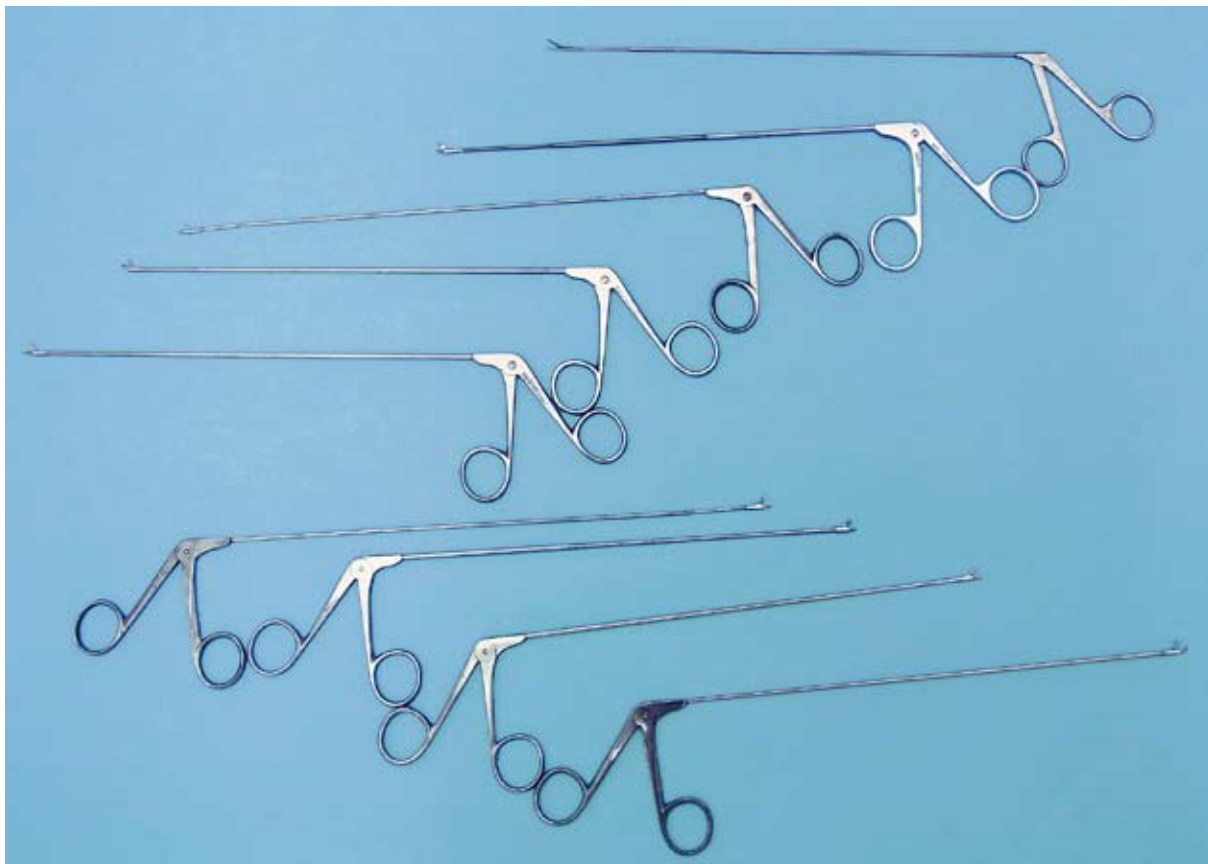


To protect sensitive instruments use the Instrument Holding System. Open the jaws before cleaning.



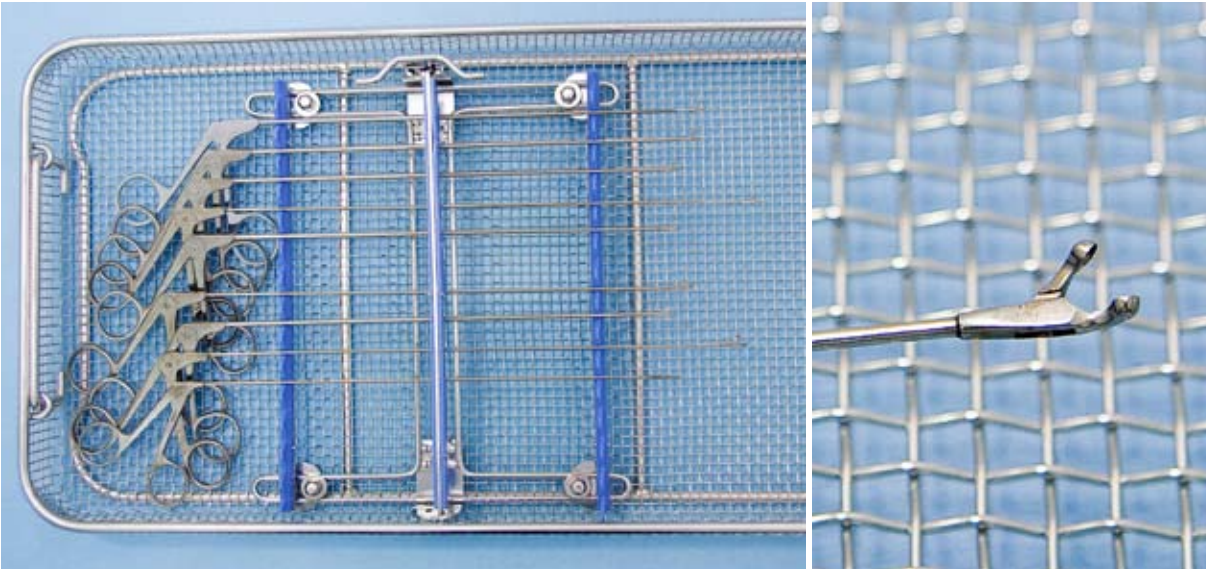
Loading example on OP-wash cart, 4 levels.

## VOCAL CORDS INSPECTION SET



The Vocal Cords set consists of:  
9 solid instruments to be placed in trays.





The picture indicates Instrument Holding System which is used to protect the instruments during cleaning. Open all jaws.



Place the tray in a wash cart.

## NASAL PARTITION COMPOSING SET



The Nasal partition composing set consists of:  
44 solid instruments to be placed in trays.



Place the tray in a wash cart. The picture indicates an OP-wash cart, 4 levels.



All jaws must be open before wash.



Connect the septum specula to each other to keep them open during cleaning.



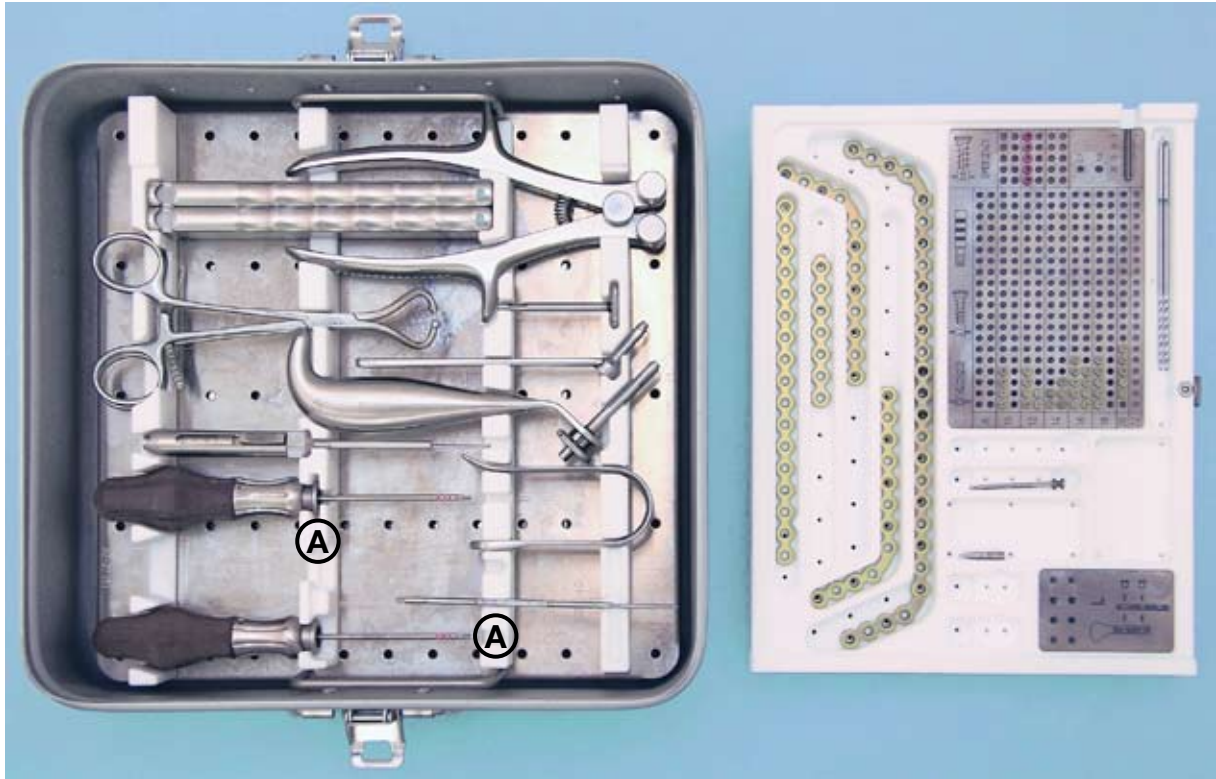
# JAW SURGERY

Jaw surgery..... 76

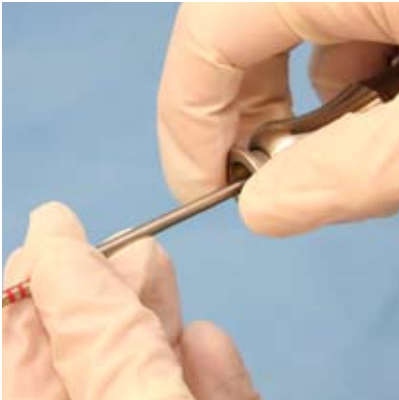




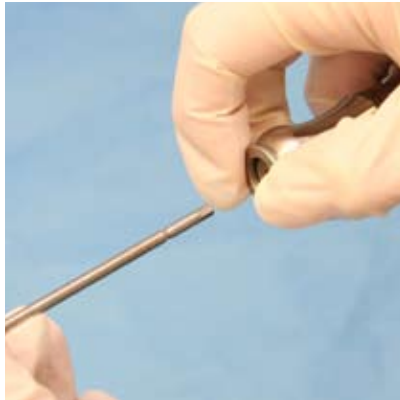
## JAW SURGERY



The Jaw surgery set consist of:  
14 solid instruments and 6 tubular instruments.



A.1 Push the lock ring towards the handle



A.2 Separate the instrument.



Use a spring to fix small tubular instruments.







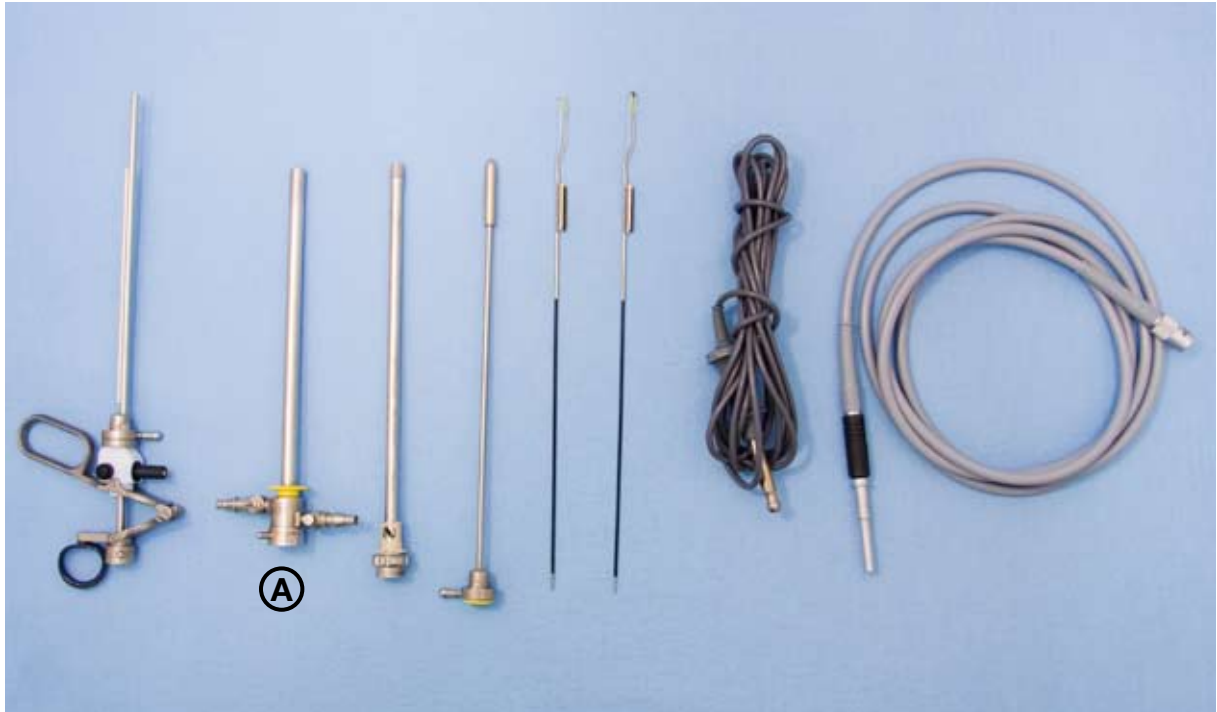
# UROLOGY

Resectoscope ..... 80

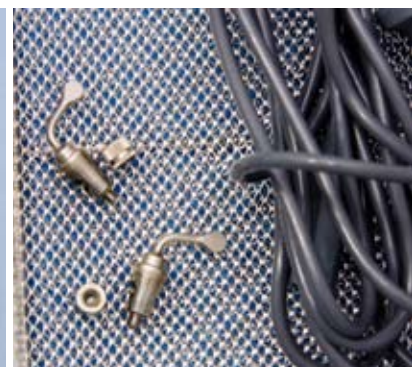
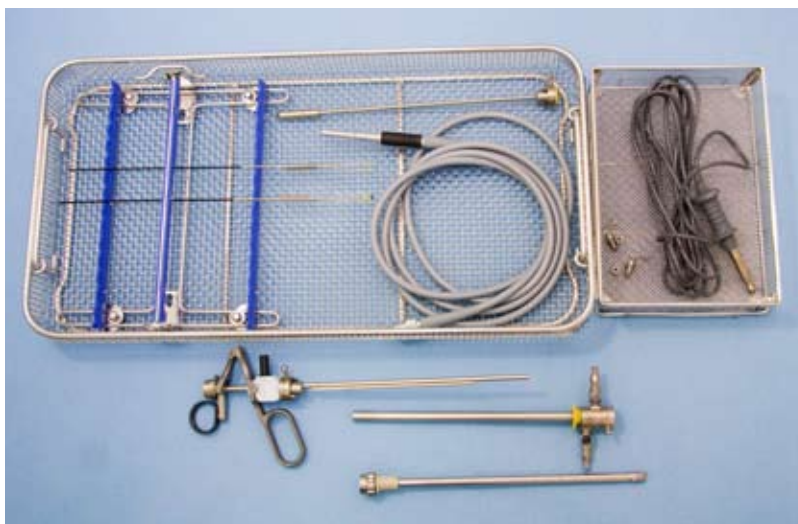
Cystoscope ..... 82



## RESECTOSCOPE



The Resectoscope set consists of:  
4 solid instruments to be placed in trays and 3 tubular instruments.



Place the cable and small parts in a separated fine mesh tray with lid.



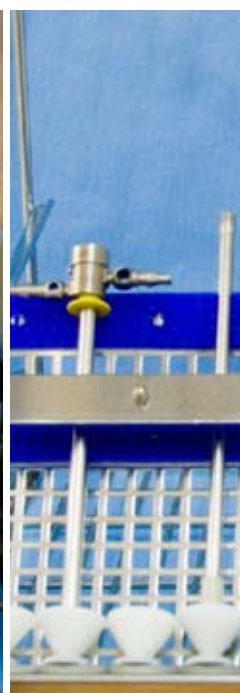
A.1 Unscrew the screw



A.2 Remove the tap.

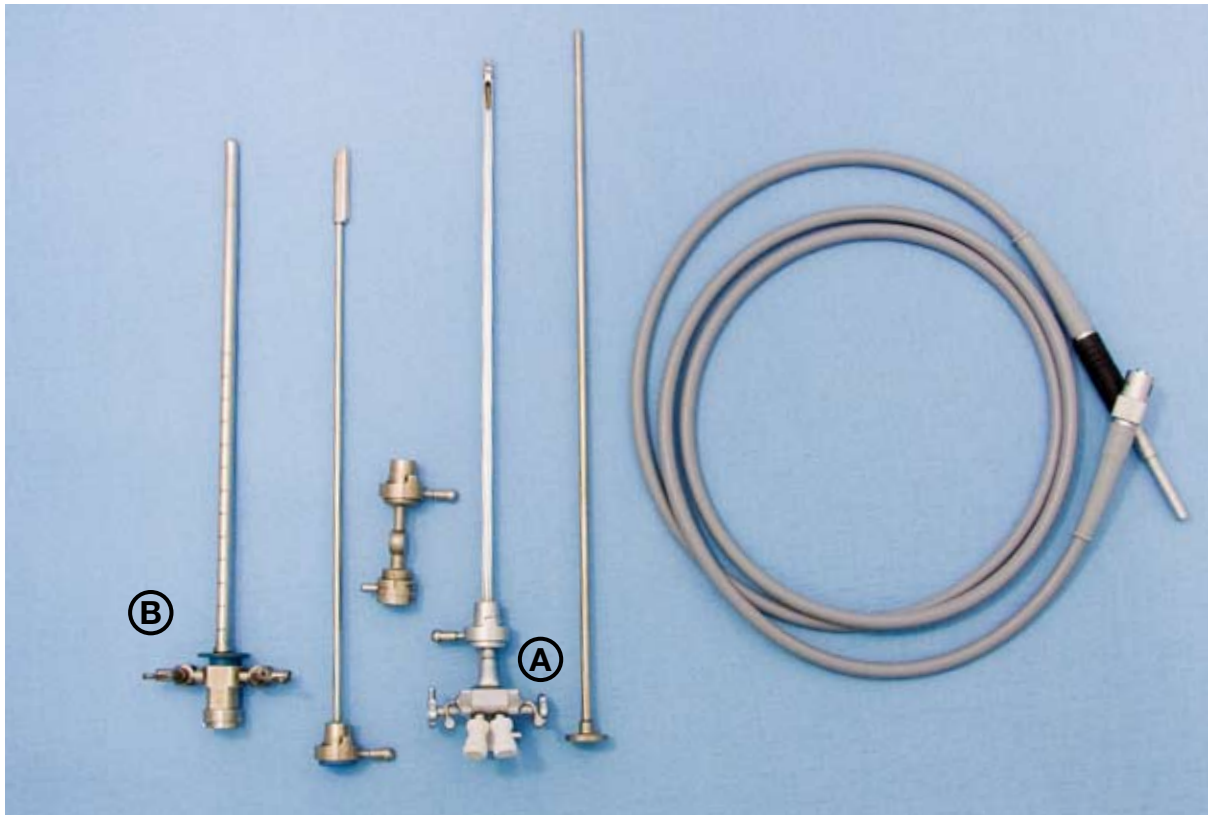


Place all solid instruments in DIN trays and connect the tubular instruments to injectors.





## CYSTOSCOPE



The Cystoscope set consists of:  
6 solid instruments to be placed in trays and 3 tubular instruments.



A.1 Remove the white hat.



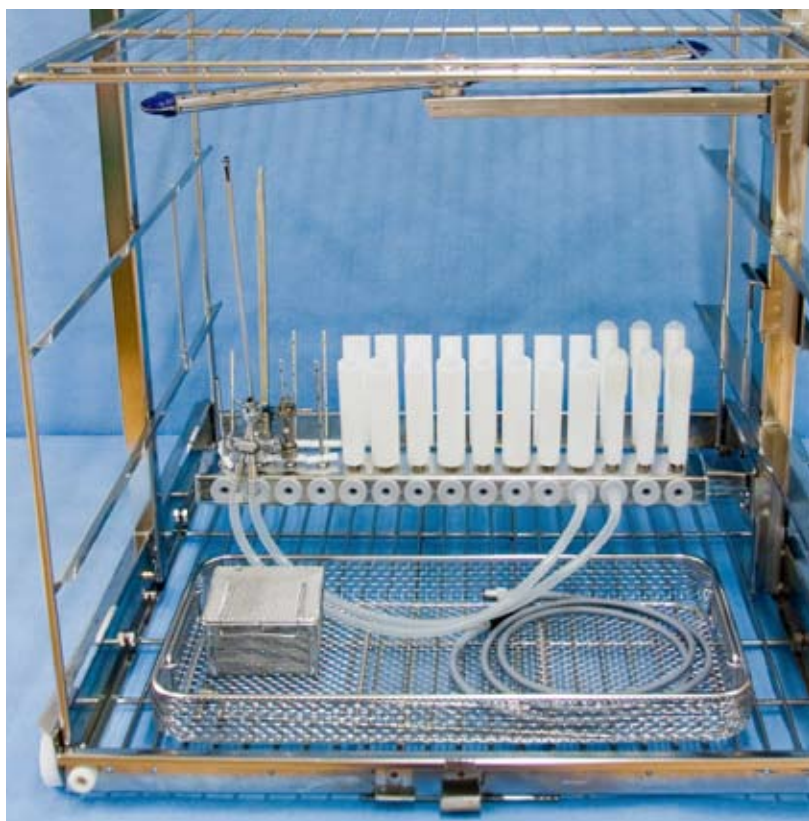
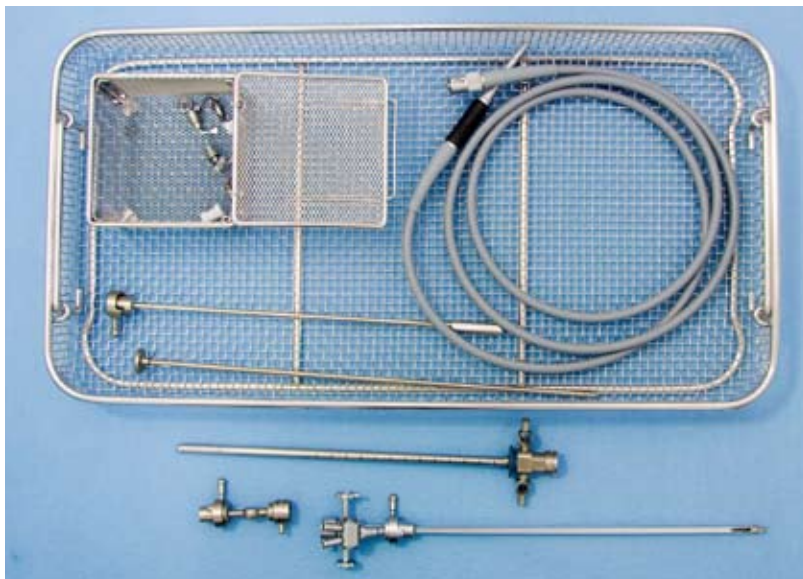
A.2 Unscrew the screw



A.3 Separate the tap from the instrument



Place all small parts in a separate fine mesh tray with lid.



Loading example of OP-wash cart, 4 levels equipped with a MIS instrument ramp.



Place the tubular instruments on the injector pipes.





Place the albaran in the Instrument holding system and connect silicon hoses.



# OPHTHALMIC

Introduction ophthalmic surgery.....	86
Cataract set (phaco) .....	88
Vitrectomy set .....	90
Enucleation set .....	92
Glaucoma set .....	94

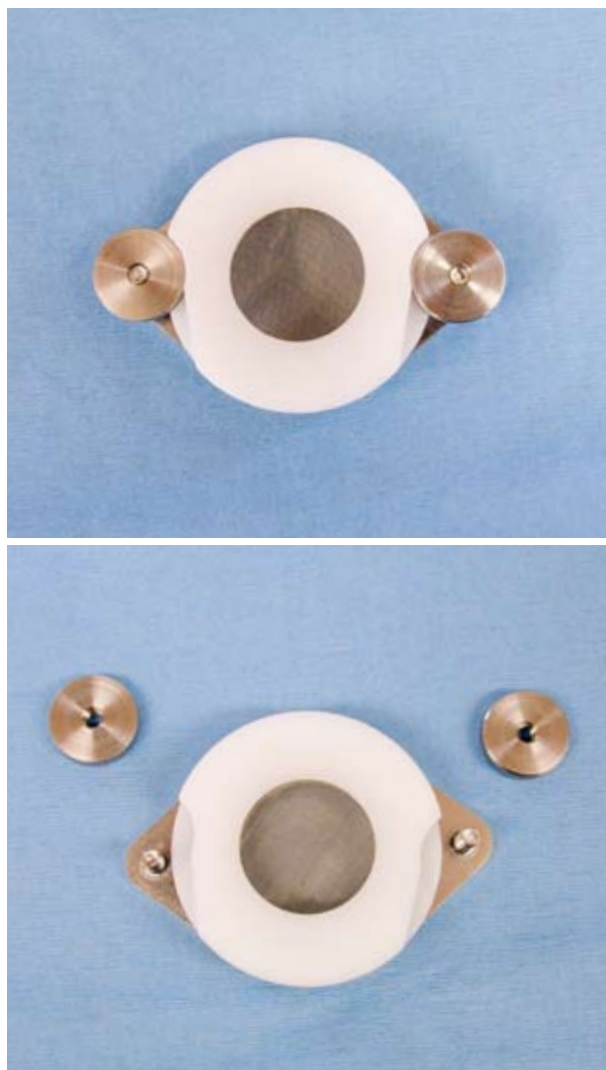


## INTRODUCTION OPHTHALMIC SURGERY

This chapter illustrates how to load Ophthalmic instruments in Universal rack for tubular instrument and a Getinge 1345 Washer-Disinfector. The pictures in this chapter are realized both in Kalmar CSSD and Linköping CSSD. Therefore, there are small differences in the instruments sets.

When cleaning Ophthalmic it is very important to use a washer-disinfector with accessories for ophthalmic instruments including a metallic fine mesh filter.

Mesh size 0,1mm (150 mesh). Tubular instruments with bore less than 2mm (0,8mm S-1345) need an extra fine mesh filter.



When cleaning Ophthalmic instruments:

- Check and clean the filter after each process.
- No mixed loads. Instruments from other disciplines should be washed in a separate wash process.
- Flush instruments directly after use, to remove residues of secretions and blood.
- If necessary, dismantle the instruments.
- Place carefully in provided transport systems and on the loading equipment.
- Secure vibration free transportation.
- If alkaline detergents are used, use neutralizing agent immediately after cleaning.  
Select pinpointed Getinge standard cleaning and disinfecting programs.
- Do not use any instrument lubrication.



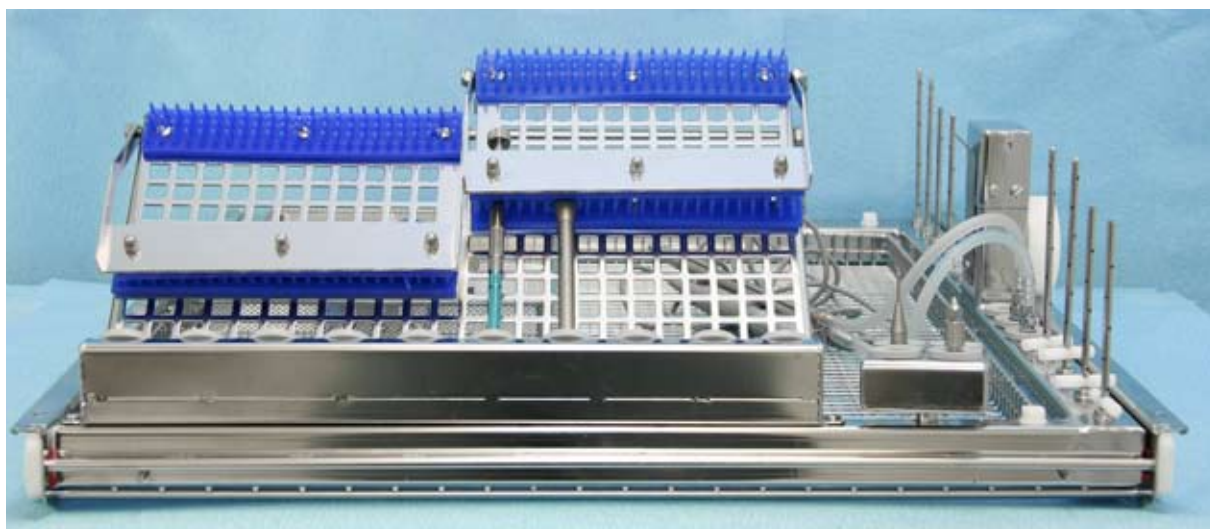
## CATARACT SET (PHACO)



The Cataract set consists of:  
4 solid instruments to be placed in trays and 3 tubular instruments.



Phaco handle is included in the set.



Loading example on Rack for Tubular Instrument for 46-series, 86-series or 88 Turbo.



Place the sensitive instruments in an Instrument holding system.

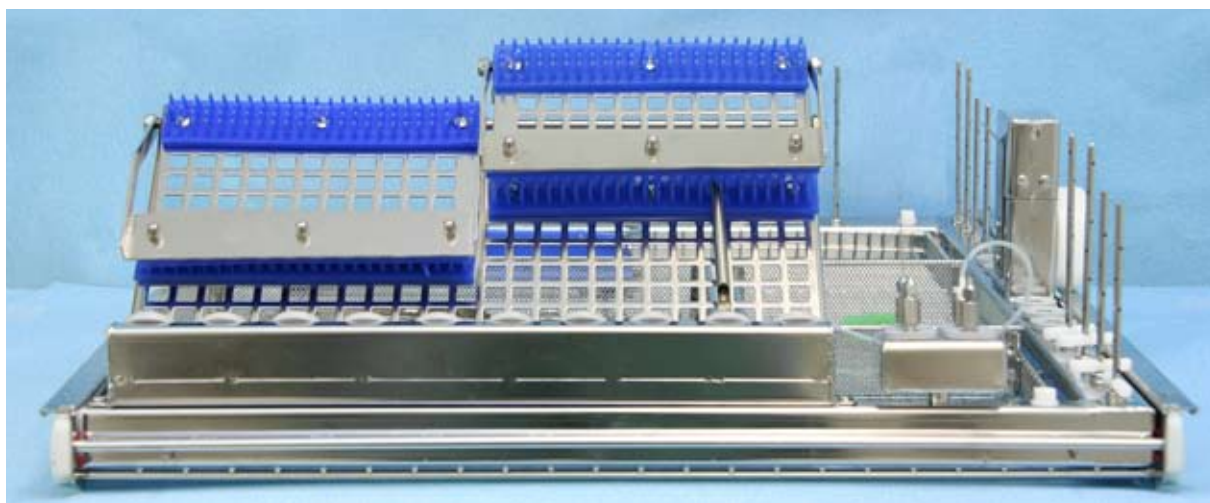
Open all jaws.



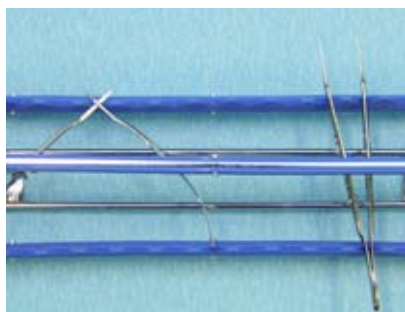
Loading example on 1345 with ophthalmic ramp. To prevent unnecessary loss of water pressure, the unused openings should be plugged with silicon hoses.







Loading example on Universal Rack for Tubular instrument for 46-series, 86-series or 88 Turbo.



Place the sensitive instruments in the Instrument Holding System.



Place the solid instruments in a fine mesh tray or if possible, in an instrument holding system.

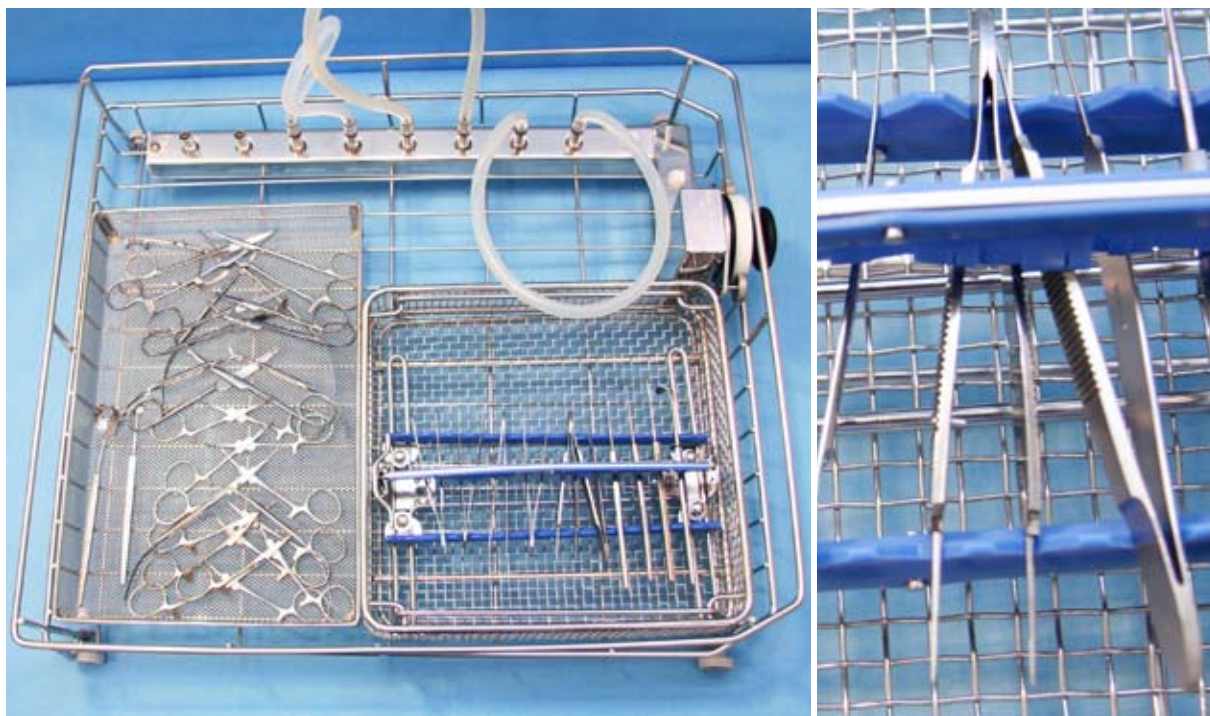


Loading example on 1345 with ophthalmic ramp. To prevent unnecessary loss of water pressure, the unused openings should be plugged with silicon hoses.

## ENUCLEATION SET



The Enucleation set consists of:  
28 solid instruments to be placed in trays.



If possible, all instruments can be put in an instrument holding system.



## GLAUCOMA SET



The Glaucoma set consists of:  
12 solid instruments to be placed in trays and 3 tubular instruments.



Use a Special connection, made by the instrument manufacturer, to connect to the loading equipment of the washer-disinfector.



Loading example on a Universal wash rack.



Place the solid instruments in a fine mesh tray.



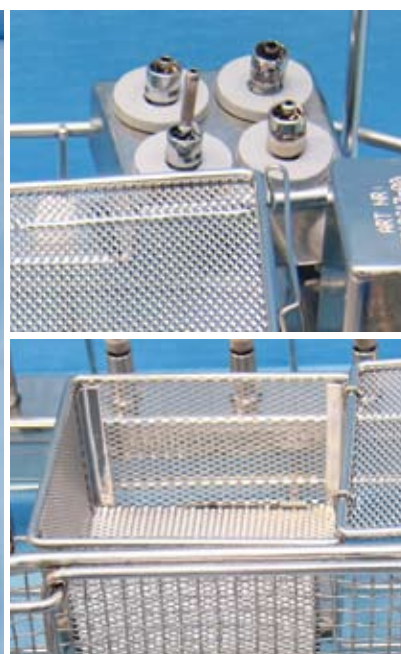
Place solid instruments in a tray.



Place the sensitive instruments in an Instrument holding system. Open all jaws before cleaning.



Loading example in 1345.



Place the small pin in a fine mesh tray with lid.



Getinge provides complete solutions for effective and efficient cleaning, disinfection and sterilization in the healthcare and life science sectors. Our know-how comprises everything from architectural planning, production and handling equipment, to systems for full traceability of sterile goods. Our commitment covers expert advice, training and long-term technical support.

# GETINGE

Getinge Infection Control  
 PO Box 69, SE-310 44 Getinge, Sweden  
 Phone: +46 35 15 55 00  
 Fax: +46 35 18 14 50  
[info@getinge.com](mailto:info@getinge.com)    [www.getinge.com](http://www.getinge.com)

## GETINGE

**GETINGE GROUP** is a leading global provider of equipment and systems that contribute to quality enhancement and cost efficiency within healthcare and life sciences. Equipment, service and technologies are supplied under the brands **ArjoHuntleigh** for patient handling and hygiene, disinfection, DVT prevention, medical beds, therapeutic surfaces and diagnostics, **GETINGE** for infection control and prevention within healthcare and life science and **MAQUET** for surgical work places, cardiopulmonary and critical care.