

Aesculap® AdTec® Monopolar

Extra Long Instruments For
Bariatric Patients



AdTec® Monopolar



Benefits

Aesculap® has been involved in the development of endoscopic instruments for several years. The product portfolio includes, but is not limited to, Adtec® single-use instruments (monopolar and bipolar), Adtec® needle holders, Adtec® bipolar instruments, Challenger® Ti-p instruments, and a reusable ligature clip system.

The Adtec® monopolar instrument range incorporates an updated handle design. The handle is intended to support ergonomic use and facilitate handling during procedures. the design is compatible with standard instruments currently available on the market.

The device design and materials are consistent with the intended clinical application of the product.

Compatibility

- Aesculap warrants compatible PM shafts, handles and PO instruments
- If a component wears out, it is only necessary to replace the single part, and not the entire instrument.

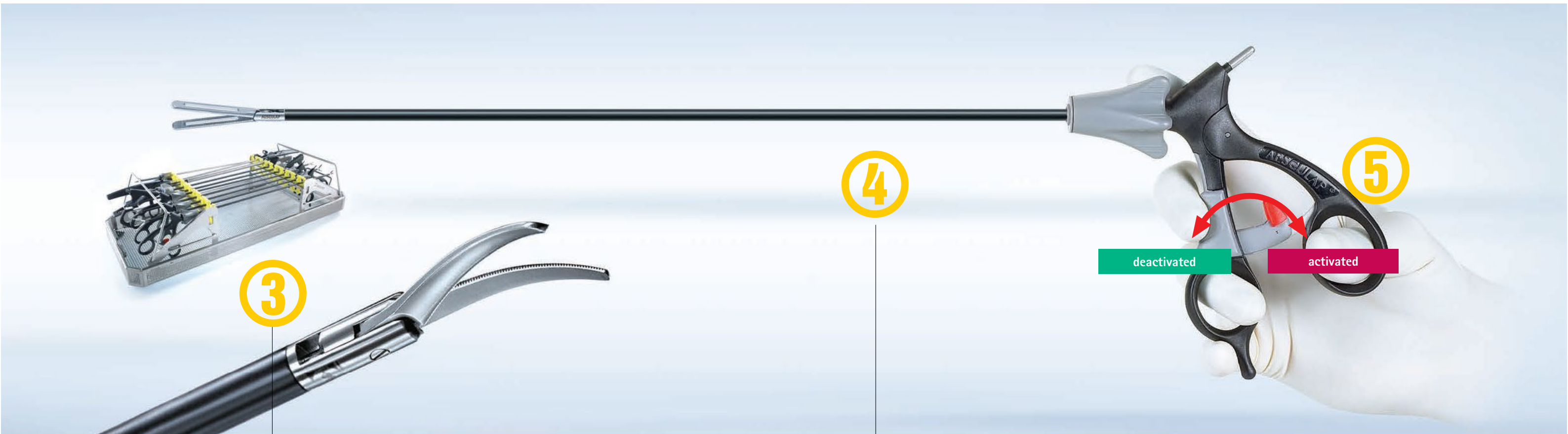
»one-click« design

- Assembly or disassembly in one step only
- User friendly



AdTec® Monopolar

Features



Jaw Mechanism

- Revised jaws mechanism (non-protruding jaw links) of AdTec® monopolar instruments, for more precise reapplication of HF current.
- Does not get caught on tissue or suture materials.

Ergonomic Handle

- Large contact surface for fingers
- Improved handling
- Handle can be grasped in various positions
- Rotation knob with slip resistant ridges

Intuitive Ratchet Mechanism

- Ratchet can be deactivated
- User friendly

AdTec® Monopolar

Features

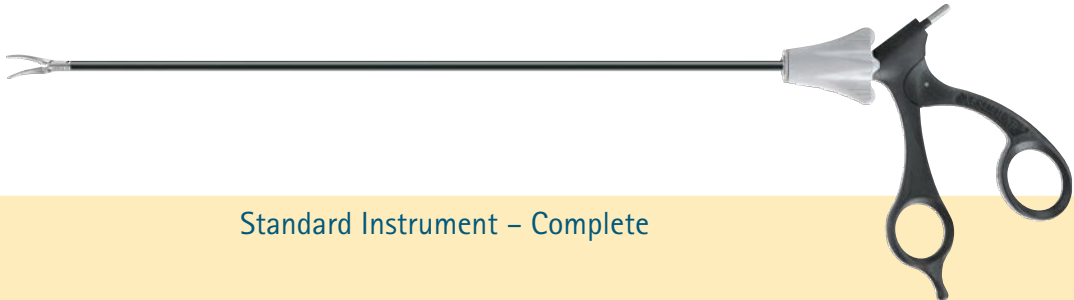


Peek Insulation

- Efficient insulation of handle and shaft
- Enhanced spark protection and resisting characteristic
- Wear-resistant and sterilisation-proof (no heat shrink tubing)
- Biocompatible

Cleaning/Sterilisation

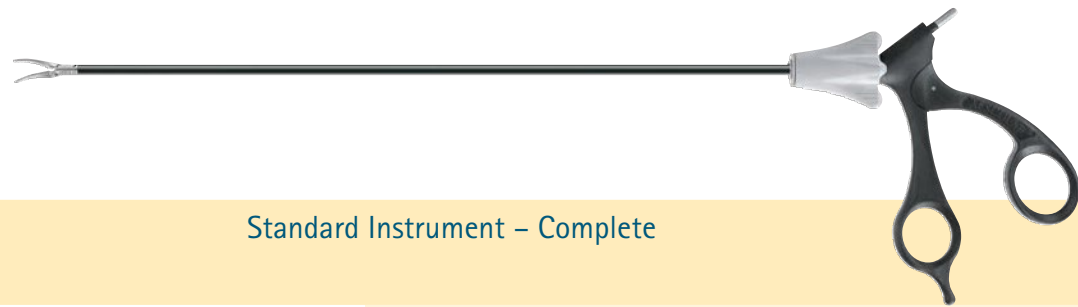
- Complete disassembly of the instrument into four components
- Sterilisation of the assembled instrument possible

						
Standard Instrument – Complete			Single Parts			
			Jaw insert	Insulated outer tube	Handle	Individual Components
			P0746R	PM981R	P0958R	
	P0027R	Metzenbaum scissors, serrated, tips curved to the left, with carbide inserts				
	P0031R	Medium-metzenbaum scissors, serrated, tips curved to the left, with carbide inserts				
	P0028R	Mini-metzenbaumscissors, serrated, tips curved to the left, with carbide inserts				
	P0025R	Hook scissors, blunt				
			Micro-dissecting scissors, tips curved to the left			

8

9

Scissors



Standard Instrument – Complete

	P0202R	Maryland fixation and dissecting forceps, curved	5 mm / 420 mm
	P0238R	Maryland Fixation and dissecting forceps, curved with cross teething	5 mm / 420 mm
	P0199R	Atraumatic fixation and dissecting forceps	5 mm / 420 mm
	P0203R	Fixation and dissecting forceps with jaw groove	5 mm / 420 mm

Jaw insert

P0752R



P0718R



P0747R



P0753R



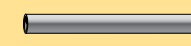
Single Parts

Insulated outer tube

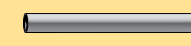
PM981R



PM981R



PM981R



PM981R



Handle

P0958R



P0958R



P0958R



P0958R

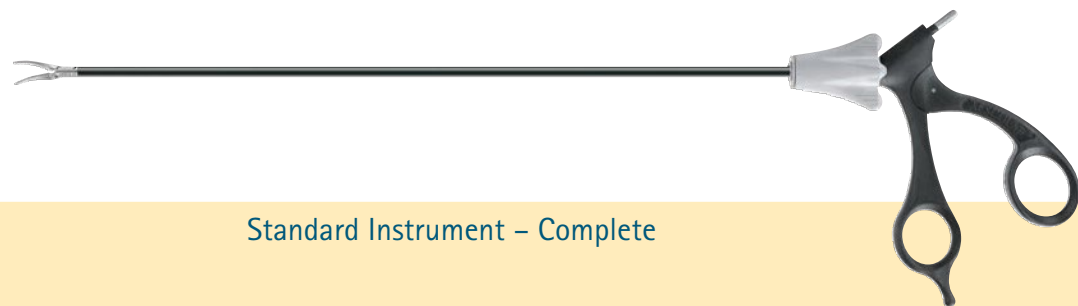


Individual Components

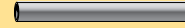
PM975R

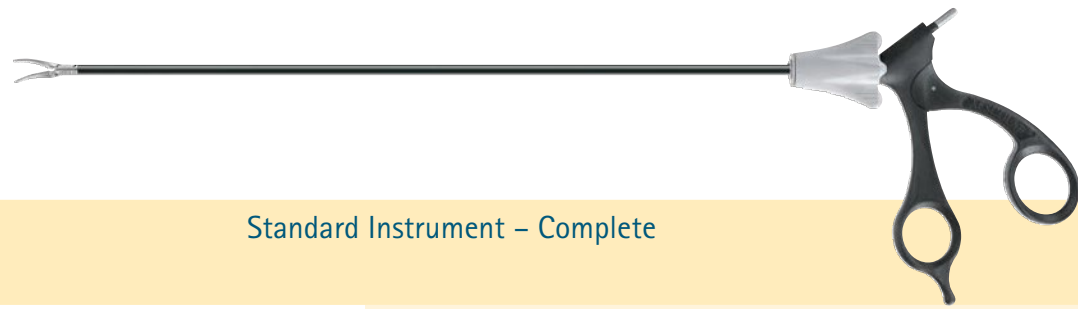


Ø 5/10 mm



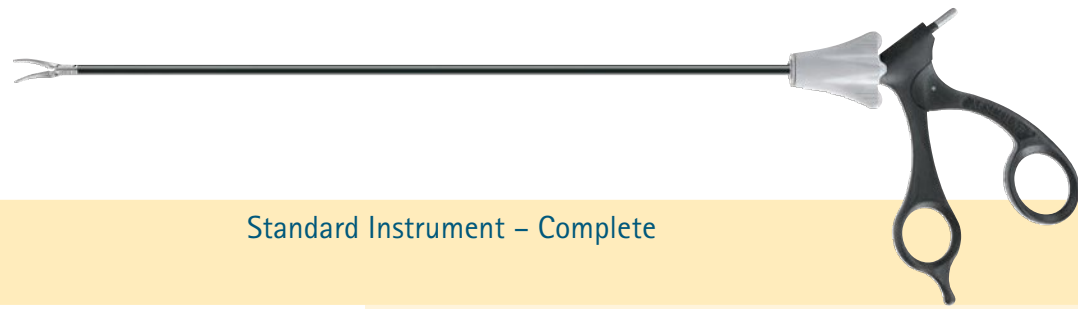
Standard Instrument – Complete

 1/1	P0230R	Universal grasping forceps with reservoir in the jaws	5 mm / 420 mm	 P0783R	 PM981R	 P0959R	
 1/1	P0234R	Atraumatic universal forceps with grooves	5 mm / 420 mm	 P0787R	 PM981R	 P0959R	pm975r  Ø 5/10 mm
 1/1	P0236R	Atraumatic universal forceps with grooves	5 mm / 420 mm	 P0789R	 PM981R	 P0959R	
 1/1	P0217R	Atraumatic grasping forceps, jaw part fenestrated	5 mm / 420 mm	 P0770R	 PM981R	 P0958R	
 1/1	P0229R	Atraumatic universal grasping forceps, jaw part fenestrated	5 mm / 420 mm	 P0782R	 PM981R	 P0959R	pm975r  Ø 5/10 mm
 1/1	P0223R	Short universal fixation and dissecting forceps, jaw part fenestrated	5 mm / 420 mm	 P0776R	 PM981R	 P0959R	
 1/1	P0204R	Dorsey Intestinal grasping forceps	5 mm / 420 mm	 P0755R	 PM981R	 P0959R	
 1/1	P0205R	Babcock Tissue-grasping forceps	10 mm / 420 mm	 P0757R	 PM982R	 P0959R	



Standard Instrument – Complete

			Jaw insert	Insulated outer tube	Handle	Individual Components
	P0209R Babcock Tissue-grasping forceps	5 mm / 420 mm	P0762R 	PM981R 	P0959R 	
	P0208R Fixation forceps, medium size serration	5 mm / 420 mm	P0761R 	PM981R 	P0958R 	
	P0200R Tube fixation and dissecting forceps	5 mm / 420 mm	P0748R 	PM981R 	P0958R 	
	P0207R Tube fixation forceps	5 mm / 420 mm	P0760R 	PM981R 	P0958R 	
	P0137R De Bakey Atraumatic clamp, length of jaw: 50 mm	5 mm / 420 mm	P0657R 	PM981R 	P0959R 	
	P0201R Grasping forceps, 2 x 4 teeth	5 mm / 420 mm	P0749R 	PM981R 	P0959R 	



Standard Instrument – Complete

 	P0509R	Sample excision forceps	5 mm / 420 mm	 	 	 	
 	P0511R	Biopsy forceps with teeth	5 mm / 420 mm	 	 	 	
 	P0512R	Biopsy forceps cutting	5 mm / 420 mm	 	 	 	
 	P0510R	Frangenheim Biopsy forceps cutting	5 mm / 420 mm	 	 	 	

Monopolar Laparoscopy Electrodes



- The basic modular principle**
- Easy disassembly
 - Bayonet connection
 - Improved for cleaning
 - Individual combinations
 - Rapid exchange of individual components
- also includes important **safety aspects**
- Robust ceramic tips
 - Fully insulated right up to the working tip
 - Heat resistant outer tube insulation

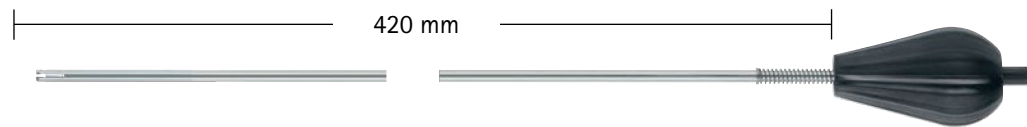
GK374R



Handle for monopolar laparoscopy electrodes, diam. 5 mm

Spare parts (components of GK372R/GK374R)

GK375R



Handle with inner tube, diam. 5 mm

GK376P



Separate outer tube, diam. 5 mm

GK383R



Hook electrode, J-shaped

GK385R



ball electrode

GK393R



Hook electrode tip, J-shaped

GK395R



Monopolar connecting cable 3.5 m on the instrument side for a 4 mm contact pin ball electrode, curved

GK384R



Hook electrode tip, L-shaped

GK386R



Spatula electrode

GK394R



Hook electrode tip, J-shaped, 90° curved to the right

GN202



AESCULAP, Acmi, Berchtold, Martin

GK239



ERBE ICC /ACC, Karl Storz

GK245



ERBE T

GK246R



Valleylab, ACMI, Conmed, Eschmann, Erbe ICC INTERN., US-Norm

Accessories

GK299



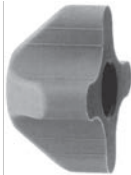
Wire brush for cleaning the electrodes

Accessories

Spare Parts

HF contact pin for AdTec monopolar handle PO950R, PO951R only		
	Aesculap, Wolf, Storz (click-line), Olympus (HiQ+) package of 5 pieces	PO950/400
	Storz, old type / alt package of 5 pieces	PO950/410
	Olympus (HiQ) diam./ Ø 3 mm , package of 5 pieces	PO950/420

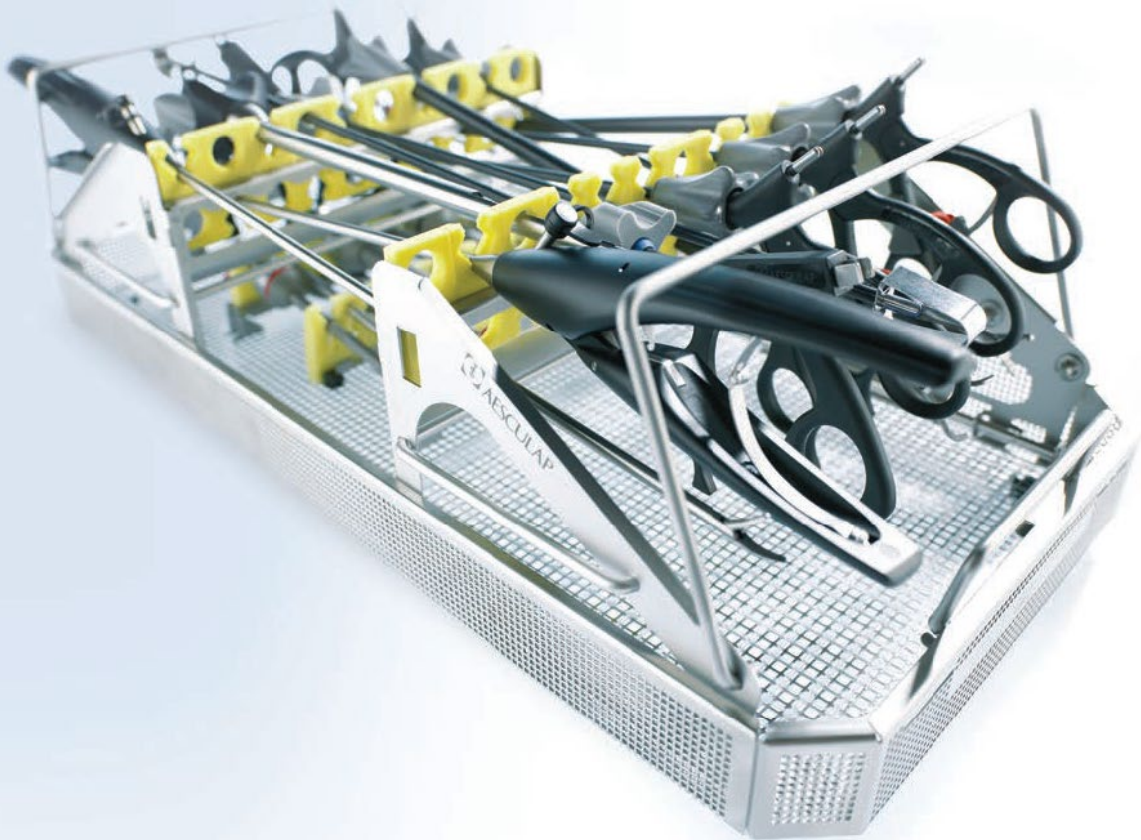
HF contact pin for AdTec monopolar handle PM950R, PM951R, PM953R, PM955R only		
	Aesculap, Wolf, Storz (click-line), Olumpus (HiQ+) package of 5 pieces	PL170/256
not illustrated	Olympus (HiQ), diam. / Ø 3 mm package of 5 pieces	
not illustrated	Storz, old type / alt package of 5 pieces	PL170/258
 PO950R PO951R PM950R PM951R PM953R PM955R for handles	luer-lock adapter replaces Hf-pin for rinsing the instrument, package of 5 pieces	PL170/250

Rotation knob / Drehknopf	
	Rotation knob in different colours, for easier identification of the instruments, for PM950R and PM951R only. Package of 5 pieces

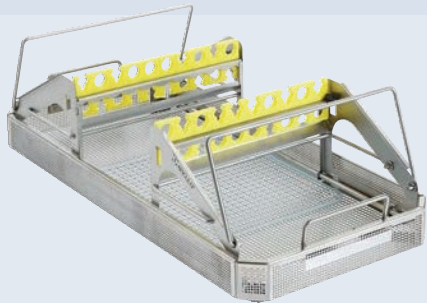
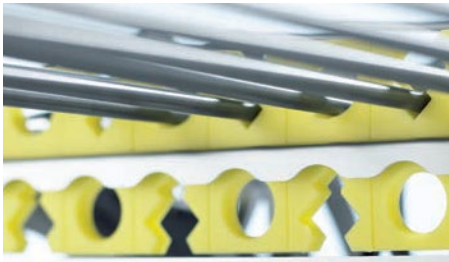
Inner tube		length	
	inner tube, straight, for instruments	420 mm	PM434/201
Insulated outer tube		length	diam./Ø
		420 mm	5/5 mm
		420 mm	10/10 mm
			PM981R
			PM982R

Endo Rack

Standard



- Universal silicone storage rack for instruments 3.5 – 12.5 mm in diameter
- Provides storage for up to 18 instruments
- Variable instrument storage
- Fold down handles for easier instrument removal
- Optional trocar storage

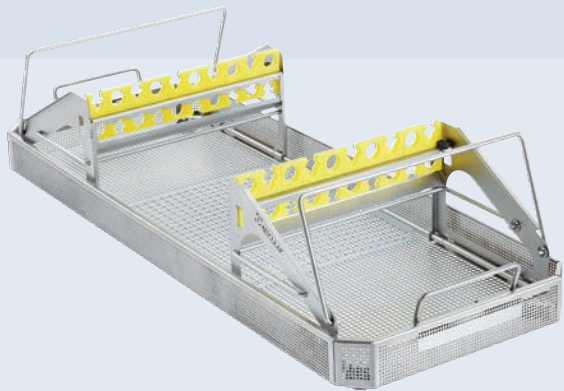


PL960R
Storage rack set for MIS instruments, standard
 consisting of:
 storage rack, standard, perforated tray and silicone mat
 dimensions: 540 x 253 x 166 mm



JK444 + JK489
Container for storage rack set PL960R
 JK444 bottom and JK489 lid external
 dimensions: 592 x 285 x 205 mm

Long



PL961R
Storage rack set for MIS instruments, long consisting
 of: storage rack, long, perforated tray and silicone mat for
 instruments with shaft length up to 420 mm dimensions:
 660 x 253 x 166 mm



JN445 + JK490
Container for storage rack set PL961R
 JN445 bottom and JK490 lid external dimensions:
 711 x 285 x 205 mm nb: The endocontainer can only be
 sterilised in sterilisers with the appropriate chamber size (at
 least 720 mm working depth).

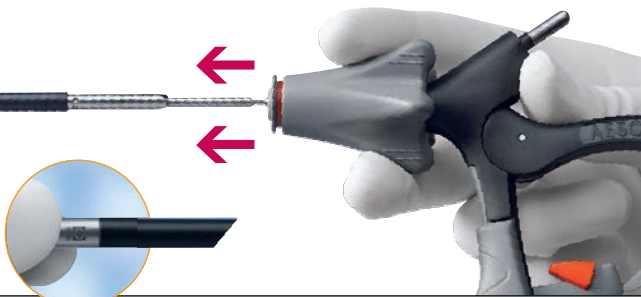
Disassembly



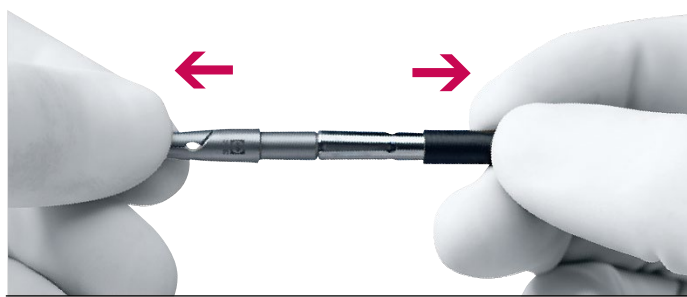
I Deactivate ratchet on ratchet handle
Flip down red toggle switch. **N.B.:** for P0959R only



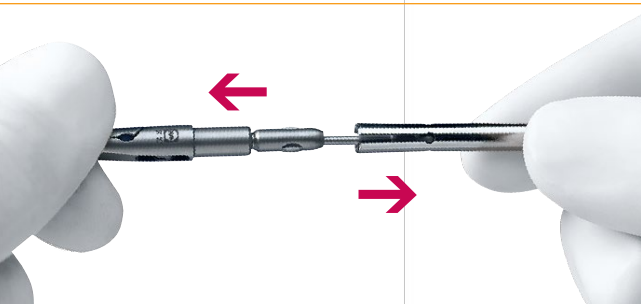
II Disconnect shaft and handle
Pull rotation knob back until it locks in place. A red ring becomes visible.
Important: do not hold on to the movable handle component.



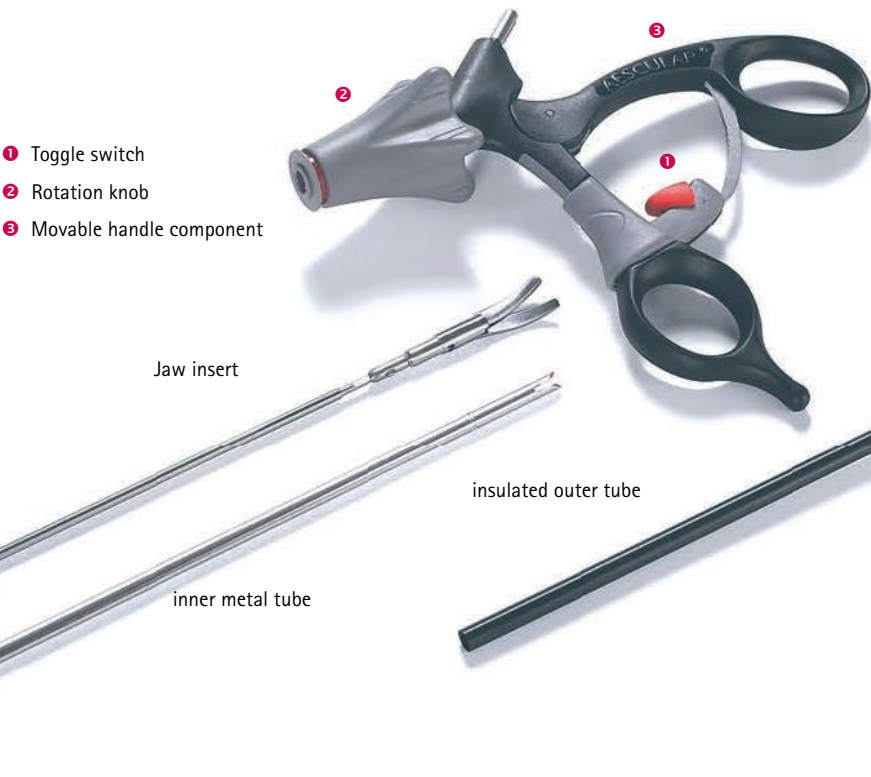
III Remove shaft from handle
Remove the shaft by pulling the instrument shaft out of the handle.



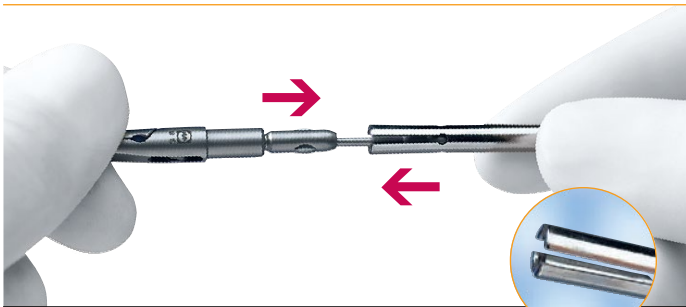
IV Disassemble shaft I
Hold the jaw insert at the tip and remove the outer insulation tube.



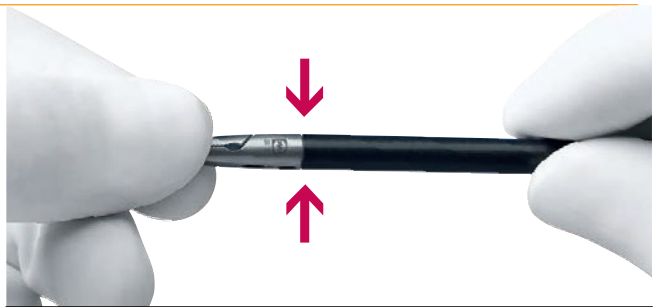
V Disassemble shaft II
Hold the jaw insert at the tip and remove the inner metal tube.



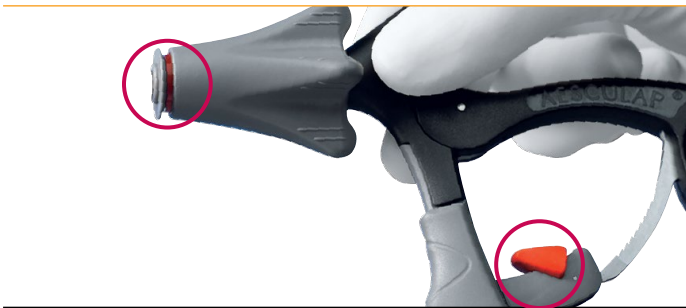
Assembly



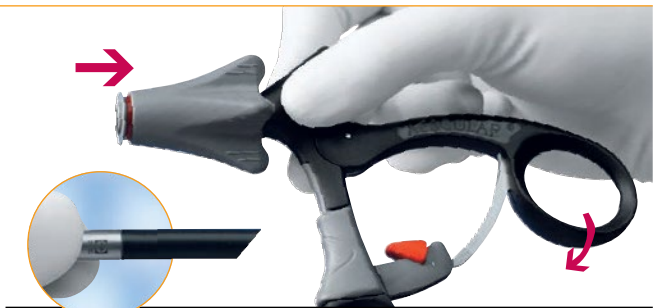
I Assemble shaft I
Slide the metal inner tube onto the jaw insert with its four spring tongues towards the working end until the tongues snap in place.



II Assemble shaft II
Slide the outer insulation tube as far as it will go over the inner metal tube.



III Prepare Handle
If the red ring is not visible, pull the rotation knob back. deactivate the ratchet by flipping down the red toggle switch. **N.B.:** for P0959R only.



IV Connect shaft and handle
Hold the shaft firmly by its tip and the handle behind the rotation knob. push the shaft into the handle until it locks in place and the red ring disappears. **Important:** do not hold on to the movable handle component.



V Function test
Test the assembly of the instrument by opening and closing the handle to ensure the jaw is opening and closing.

Curved Thoracic Instrument



Disassembly

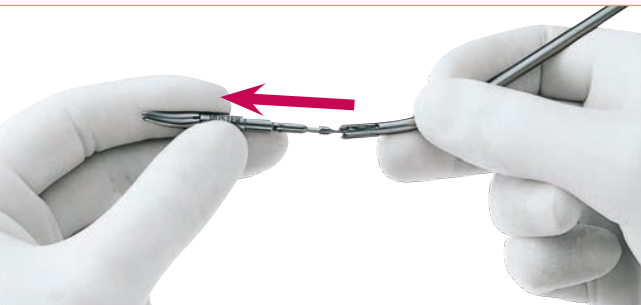
Assembly



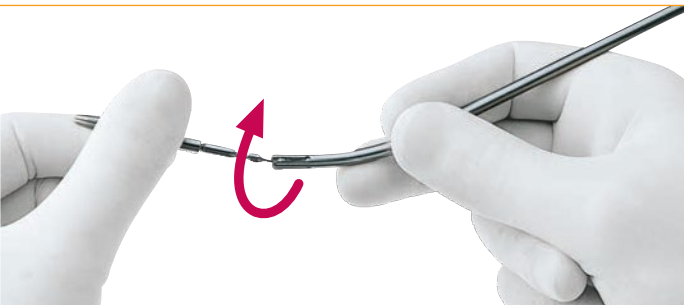
I Pull back the spring mechanism indicated with an arrow as far as it will go. Hold at this position and at the same time pull out the shaft. **Note:** in the case of handle with a lock (pm954r, pm957r), open the ratchet completely.



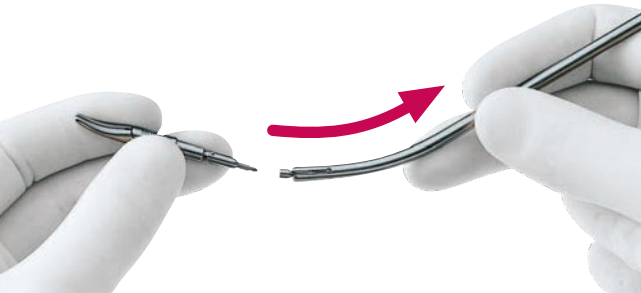
II Pull off the insulated, flexible outer tube from the shaft.



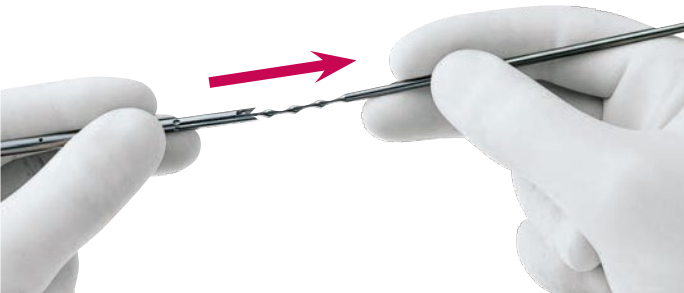
III Push flexible tension rod towards the jaw part (approx. 1 cm).



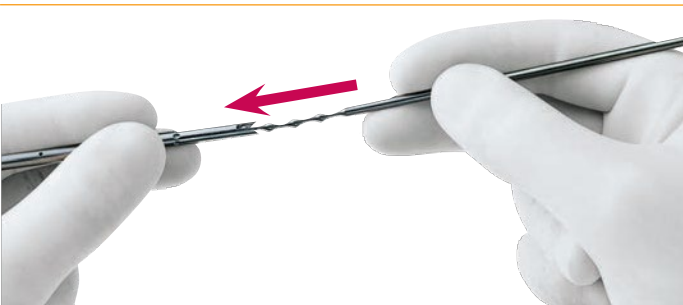
IV Unscrew the jaw part as indicated by the arrow.



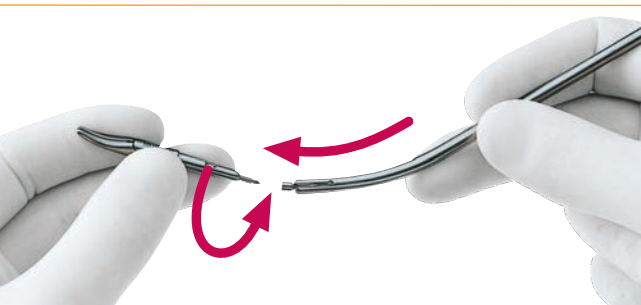
V After unscrewing the jaw part, pull the tension rod backwards.



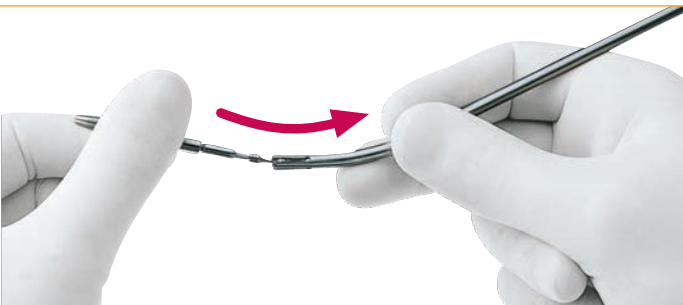
VI remove the complete tension rod in a backward direction from the inner tube.



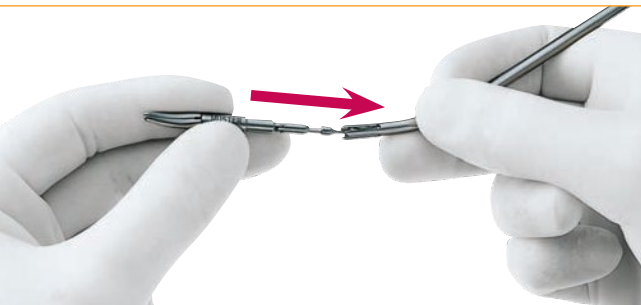
I push the flexible tension rod into the inner tube.



II push the tension rod forwards until the receptacle of the jaw part (screw thread) is clearly visible.



III Screw on jaw part. set the position of the jaw part relative to the shaft to meet the surgeon's needs. To do this, the thread connection must be slightly slackened (max. 1 turn).



IV Push jaw part with the flexible tension rod into the inner tube with the 4 slots.



V Push insulated flexible outer tube pm983p onto the inner tube.



VI Press movable ring part of the handle forwards and hold at this position. Pull back spring mechanism of the axial handle as far as it will go and hold it. Take the shaft at the distal tip, push shaft into the spring mechanism as far as it will go and join with a slightly rotary movement.

Aesculap Oil Spray



JG600
Aesculap oil spray in aerosol can, for maintenance of instruments prior to sterilisation.

JG598
Aesculap instrument oil for box locks, ratchets etc. prior to sterilisation.



Lubricate the defined places on the instruments (instruments jaw and red toggle switch) with Aesculap Sterilit oil after each cleaning cycle.

Cleaning brush



GK469R



PM995R

Cleaning brush diam. 3.7 mm, length 550 mm package of 6 pieces for inner tube and outer tube diam. 5 mm

Cleaning brush diam. 10 mm, length 550 mm package of 6 pieces for outer tube diam. 5 mm and diam. 10 mm



By utilising Aesculap Technical Services, you are ensuring your surgical instruments are maintained and ready for maximum performance. The life expectancy of your instruments is also prolonged.

B. braun Aesculap Technical services (ATS) provides professional repair service to customers within Australia and new Zealand.

This service allows Hospitals, day surgeries, dental and veterinary customers to return instruments in need of repair and or replacement.

All repaired instruments are returned to customers in an 'as new' condition and will be laser marked (etched) with the global standard ATS date of repair (eg. ATS0912 Aus).

Laparoscopic Instrument Repairs



AdTec® Monopolar instruments



AdTec® Needle Holders



AdTec® Mini



AdTec® Bipolar instruments



Trocars



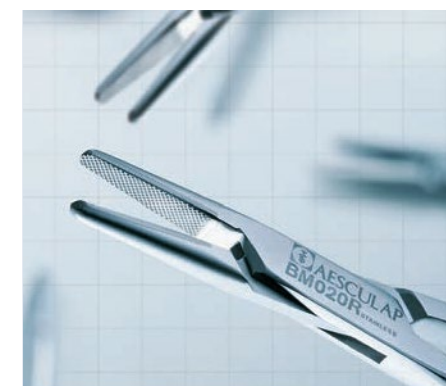
AdTec® Challenger® Ti and pneumatic

ATS also provides:



Customised Laser Marking Service (Etching)

free of charge at the time of ordering for Aesculap surgical instruments.



Tungsten Carbide Needle Holder Repair Pool

We offer a reduced priced replacement for Tungsten carbide needleholders (any brand) which are not repairable.



Expertise in Craftsmanship

Fully qualified surgical instrument technicians trained to adhere to and work within stringent Aesculap quality standards.

AESCULAP® – a B. Braun brand

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