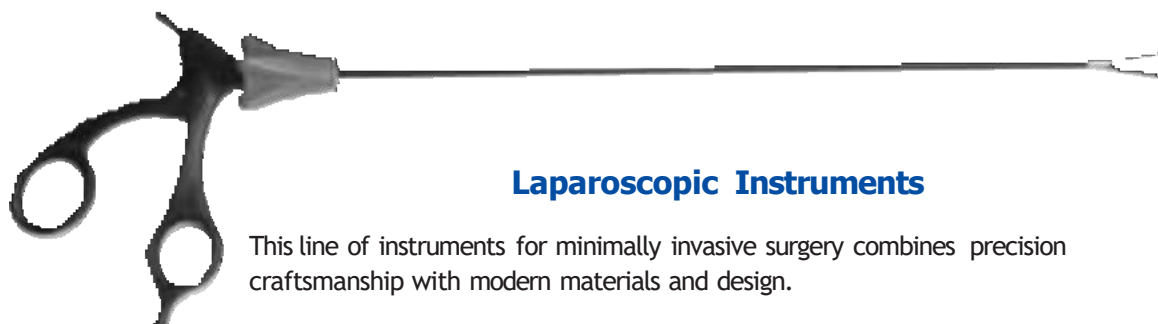


Scissors, Graspers, Dissectors - Modular System



Laparoscopic Instruments

This line of instruments for minimally invasive surgery combines precision craftsmanship with modern materials and design.

Optional Handles for Customizing Instruments - Interchangeable for 5 mm and 10 mm instruments

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/1 PO001R Hook Scissors, 5 mm, 31 cm	PO600R	PM973R		
	PO025R Hook Scissors, 5 mm, 42 cm	PO744R	PM981R		
	1/1 PO003R Micro-Dissecting Scissors, 5 mm, 31 cm	PO602R	PM973R		
	Order by component Micro-Dissecting Scissors, 5 mm, 42 cm	PO745R	PM981R		
	1/1 PO004R Metzenbaum Scissors, serrated, Tungsten Carbide inserts, 5 mm, 31 cm	PO603R	PM973R		
	PO027R Metzenbaum Scissors, serrated, Tungsten Carbide inserts, 5 mm, 42 cm	PO746R	PM981R		
	1/1 PM015R Metzenbaum Scissors, insulated to tip, Tungsten Carbide Inserts, 5 mm, 31 cm	PM697R	PM973R		

Scissors, Graspers, Dissectors - Modular System



Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

INSTRUMENTS

		COMPLETE INSTRUMENT	COMPONENTS			
			JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
1/1		PO090R Premium Metzenbaum Scissors, 5 mm, 31 cm	PO790R	PM973R		
1/1		PO002R Peritoneal Scissors, serrated, 5 mm, 31 cm	PO601R	PM973R		
1/1		PO006R Peritoneal Scissors, serrated, 5 mm, 31 cm	PO625R	PM973R		
1/1		PO011R Baby Metzenbaum Scissors, serrated, Tungsten Carbide inserts, 5 mm, 31 cm	PO655R	PM973R		
		PO028R Baby Metzenbaum Scissors, serrated, Tungsten Carbide inserts, 5 mm, 42 cm	PO754R	PM981R		
1/1		PM016R Baby Metzenbaum Scissors, insulated to tip, Tungsten Carbide inserts, 5 mm, 31 cm	PM698R	PM973R		
1/1		PO091R Premium Baby Metzenbaum Scissors, 5 mm, 31 cm	PO791R	PM973R		

Scissors, Graspers, Dissectors - Modular System



Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
1/1	 PO022R CROCE/OLMI Dissecting and Suture Scissors with Knot Pusher, 5 mm, 31 cm	PO727R	PM973R		
1/1	 PO101R Atraumatic Fixation Forceps, serrated, 5 mm, 31 cm	PO607R	PM973R		   
	PO199R Atraumatic Fixation Forceps, serrated, 5 mm, 42 cm	PO747R	PM981R		   
1/1	 PO129R Tubal Fixation Forceps, 5 mm, 31 cm	PO645R	PM973R		   
	PO200R Tubal Fixation Forceps, 5 mm, 42 cm	PO748R	PM981R		   
1/1	 PO210R Oval Grasper, 5 mm, 31 cm	PO763R	PM973R		   
	PO207R Oval Grasper, 5 mm, 42 cm	PO760R	PM981R		   
1/1	 PO211R Curved Grasper, 5 mm, 31 cm	PO764R	PM973R		   
	PO208R Curved Grasper, 5 mm, 42 cm	PO761R	PM981R		   
1/1	 PO149R Fixation Forceps, fenestrated, 5 mm, 31 cm	PO680R	PM973R		   
	PO206R Fixation Forceps, fenestrated, serrated, 5 mm, 31 cm	PO758R	PM973R		   

Scissors, Graspers, Dissectors - Modular System



Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

		COMPLETE INSTRUMENT	COMPONENTS			
			JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/1	PO100R Atraumatic Dissecting Forceps, fine tip, 5 mm, 31 cm	PO605R	PM973R		   
	1/1	PO102R Maryland Dissecting Forceps, 5 mm, 31 cm	PO608R	PM973R		   
	1/1	PO202R Maryland Dissecting Forceps, 5 mm, 42 cm	PO752R	PM981R		   
	1/1	PM165R Maryland Dissecting Forceps, insulated to tip, 5 mm, 31 cm	PM699R	PM973R		   
	1/1	PO218R Crile Dissecting Forceps, Curved, 5 mm, 31 cm	PO771R	PM973R		   
	1/1	PO213R Crile Dissecting Forceps, Curved, 5 mm, 37 cm	PO766R	PM976R		   
	1/1	PO141R Overholt 60° Dissecting Forceps, 10 mm, 31 cm	PO661R	PM975R		   
	1/1	PO103R Right Angle, 90° Dissecting Forceps, 10 mm, 31 cm	PO606R	PM975R		 

Scissors, Graspers, Dissectors - Modular System



Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



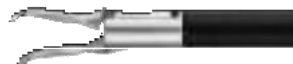
PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
1/1 	PO187R Right Angle, 90° Dissecting Forceps, 5 mm, 31 cm	PO730R	PM973R		   
1/1 	PO147R Dolphin Nose Dissecting Forceps, 5 mm, 31 cm	PO678R	PM973R		   
1/1 	PO151R Duck Bill Dissecting Forceps, 5 mm, 31 cm	PO667R	PM973R		   
1/1 	PO214R Duck Bill Dissecting Forceps, 5 mm, 37 cm	PO767R	PM976R		   
1/1 	PO190R Bullet Nose Grasper, 5 mm, 31 cm	PO735R	PM973R		   
	PO203R Bullet Nose Grasper, 5 mm, 42 cm	PO753R	PM981R		   
1/1 	PO107R Aggressive Grasping Forceps, 5 mm, 31 cm	PO613R	PM973R		   

Scissors, Graspers, Dissectors - Modular System

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

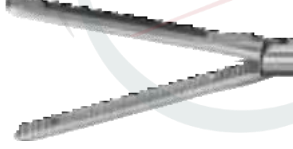
Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

INSTRUMENTS

		COMPONENTS			
COMPLETE INSTRUMENT		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/1	PO109R Alligator Grasping Forceps, 5 mm, 31 cm	PO615R	PM973R	
	1/1	PO216R Bowel Grasping Forceps, 20 mm Jaw, 5 mm, 31 cm	PO769R	PM973R	
		PO217R Bowel Grasping Forceps, 20 mm Jaw, 5 mm, 42 cm	PO770R	PM981R	
	1/1	PO112R Dorsey Intestinal Forceps, 40 mm Jaw, 5 mm, 31 cm	PO618R	PM973R	
		PO204R Dorsey Intestinal Forceps, 40 mm Jaw, 5 mm, 42 cm	PO755R	PM981R	
	1/1	PO191R Universal Grasper, Fenestrated 5 mm, 31 cm	PO736R	PM973R	
	1/2	PO215R Glassman Clamping Forceps, 60 mm Jaw, 10 mm, 31 cm	PO768R	PM974R	

Scissors, Graspers, Dissectors - Modular System



INSTRUMENTS

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
1/2	 PO118R DeBakey Atraumatic Forceps, 50 mm Jaw, 10 mm, 37 cm	PO624R	PM977R		   
1/1	 PO137R DeBakey Atraumatic Forceps, 50 mm Jaw, 5 mm, 42 cm	PO657R	PM981R		   
1/1	 PO113R Babcock Grasping Forceps, Single Action, 5 mm, 31 cm	PO619R	PM973R		   
1/1	 PO212R Babcock Grasping Forceps Double Action, 5 mm, 31 cm	PO765R	PM973R		   
	 PO209R Babcock Grasping Forceps, Double Action, 5 mm, 42 cm	PO762R	PM981R		   
1/1	 PO114R Babcock Grasping Forceps, Single Action, 10 mm, 31 cm	PO620R	PM974R		   
	 PO205R Babcock Grasping Forceps, Single Action, 10 mm, 42 cm	PO757R	PM982R		   
1/2	 PO196R Babcock Grasping Forceps, Double Action, 10 mm, 37 cm	PO741R	PM977R		   

Scissors, Graspers, Dissectors - Modular System



Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

		COMPONENTS			
COMPLETE INSTRUMENT		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/1	PO117R Claw Grasper, 2 x 3 teeth, 10 mm, 31 cm	PO623R	PM974R	
	1/1	PO104R Allis Atraumatic Grasping Forceps, 5 mm, 31 cm	PO610R	PM973R	
	1/1	PO111R Allis Grasping Forceps, 5 mm, 31 cm	PO617R	PM973R	
	1/1	PO128R Grasping Forceps, Fenestrated 5 mm, 31 cm	PO647R	PM973R	
	1/1	PO132R Grasping Forceps, 2 x 4 teeth, serrated, 5 mm, 31 cm	PO648R	PM973R	
	1/1	PO201R Grasping Forceps, 2 x 4 teeth, serrated, 5 mm, 42 cm	PO749R	PM981R	
	1/1	PO134R Grasping Forceps, fine-toothed, non-serrated, 5 mm, 31 cm	PO650R	PM973R	

Scissors, Graspers, Dissectors - Modular System



INSTRUMENTS

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

		COMPLETE INSTRUMENT	COMPONENTS			
			JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/1	PO105R Heywood-Smith Tissue Forceps, fenestrated, 10 mm, 31 cm	PO611R	PM975R		
	1/1	PO130R Atraumatic Grasping Forceps, fenestrated, 5 mm, 31 cm	PO646R	PM973R		
	1/1	PO221R Fundus Grasper, 5 mm, 31 cm,	PO774R	PM973R		
	1/1	PO222R Short Fenestrated Grasper, 5 mm, 31 cm	PO775R	PM973R		
		PO223R Short Fenestrated Grasper, 5 mm, 42 cm	PO776R	PM981R		
	1/1	PO224R Tenaculum Forceps 5 mm, 31 cm	PO777R	PM973R		
		PO225R Tenaculum Forceps 10 mm, 31 cm	PO778R	PM974R		

Scissors, Graspers, Dissectors - Modular System

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
1/1 	PO500R Large Biopsy Spoon Forceps, 10 mm, 31 cm	PO705R	PM974R		   
1/1 	PO501R Biopsy Forceps, Cup, fenestrated, 5 mm, 31 cm	PO626R	PM973R		   
	PO509R Biopsy Forceps, Cup, fenestrated, 5 mm, 42 cm	PO750R	PM981R		   
1/1 	PO502R Biopsy Forceps, Box, 5 mm, 31 cm	PO627R	PM973R		   
	PO512R Biopsy Forceps, Box, 5 mm, 42 cm	PO759R	PM981R		   
1/1 	PO505R Biopsy Forceps, with teeth, 5 mm, 31 cm	PO652R	PM973R		   
	PO511R Biopsy Forceps, with teeth, 5 mm, 42 cm	PO756R	PM981R		   
1/1 	PO510R Biopsy Forceps, Hook, 5 mm, 42 cm	PO751R	PM981R		   

Scissors, Graspers, Dissectors - Modular System



INSTRUMENTS

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

ORDER BY COMPONENT		JAW INSERT	COMPONENTS INSULATED OUTER TUBES	OPTIONAL HANDLES
	1/1 Atraumatic Parenchyma Fixation Forceps, 5 mm, 31 cm	PM609R	PM973R	
	1/1 Dissecting Forceps, delicate, 5 mm, 31 cm	PM614R	PM973R	
	1/1 Pike Mouth Aggressive Grasper, 10 mm, 31 cm	PM621R	PM974R	
	1/1 Large Metzenbaum Scissors, TC, serrated 10 mm, 31 cm	PM604R	PM974R	

Scissors, Graspers, Dissectors - Modular System

Insulated metal design



PO958R (Non-Ratchet)



PO959R (Ratchet)

Insulated metal design



PM950R (Non-Ratchet)



PM951R (Ratchet)

Axial design



PM953R (In-Line)

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

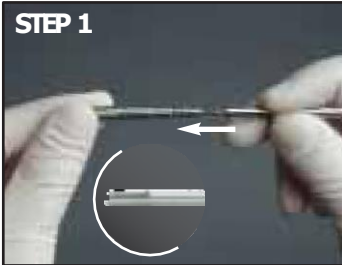
ORDER BY COMPONENT		JAW INSERT	COMPONENTS INSULATED OUTER TUBES	OPTIONAL HANDLES
1/2	Endo Lymph Node Fixation Forceps, 10 mm, 31 cm	PM688R	PM974R	 
1/2	Pennington Tissue Grasping Forceps, 10 mm, 37 cm	PM679R	PM977R	 
1/2	Duval Atraumatic Fixation Forceps, 10 mm, 37 cm	PM612R	PM977R	 
1/2	DeBakey Atraumatic Forceps, 40 mm Jaw, 5 mm, 31 cm	PM657R	PM973R	 



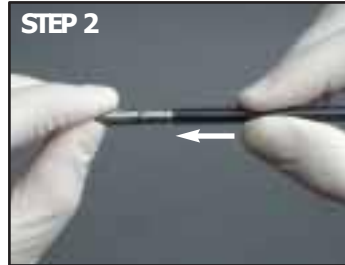
Laparoscopic Instruments

Instructions for quick and easy assembly and disassembly For use with PM950R and PM951R, insulated metal handles

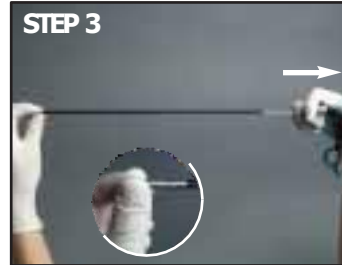
ASSEMBLY



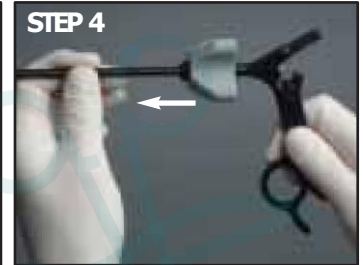
Slide the inner metal tube onto the jaw insert with its four spring tongues towards the working end until the tongues snap into place.



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



Hold the shaft firmly by its tip and pull back the handle rotation knob with fingers and maintain hold. Fully insert the shaft and release rotation knob.



Test that the instrument is secured in the handle by pulling on the shaft. If shaft pulls out of handle, then repeat step 3 and step 4.



Connect handle with jaw insert ball joint by depressing the black buttons on both sides of handle, continue to depress and lift rear ring of handle under ball joint of jaw insert until captured by handle. Release buttons.



Test instrument by opening and closing handle to verify that the jaw has been inserted properly.

- 1 rotation knob
- 2 handle buttons

jaw insert

inner metal tube

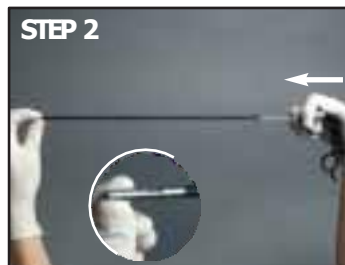
outer insulation tube



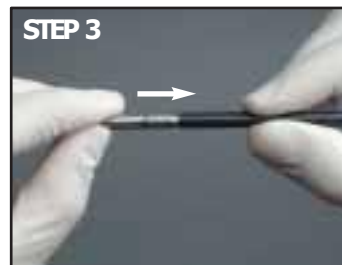
DISASSEMBLY



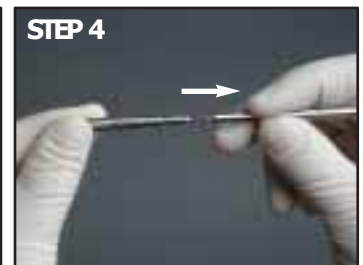
Depress black buttons on both sides of handle, continue to depress, pull rear ring down to release ball of jaw insert. Release buttons.



Pull back rotation knob and pull out shaft with other hand. Release rotation knob.



Hold the jaw insert at the tip and remove the outer insulation tube.



Hold the jaw insert at the tip and remove the inner metal tube.

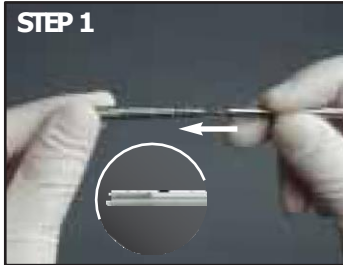


Laparoscopic Instruments

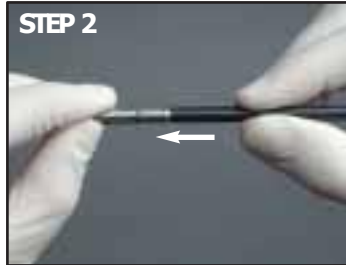
Instructions for quick and easy assembly and disassembly

For use with PM950R and PM951R, insulated metal handles

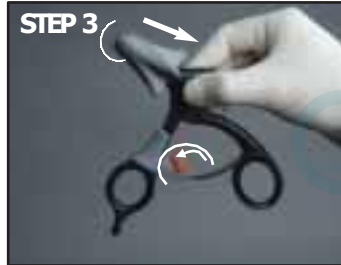
ASSEMBLY



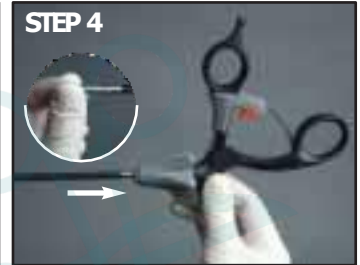
STEP 1
Slide the inner metal tube onto the jaw insert with its four spring tongues towards the working end until the tongues snap into place.



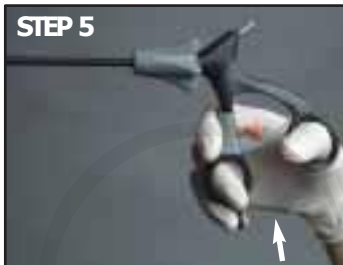
STEP 2
Slide the outer insulation tube as far as it will go over the inner metal tube.



STEP 3
If the red ring is not visible, pull the rotation knob back. If you are using the ratchet style handle, deactivate ratchet by flipping down the red toggle switch.



STEP 4
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.
Note: Do not hold onto the movable handle component.



STEP 5
Test the assembly of the instrument by opening and closing the handle to ensure the jaw is opening and closing.

- 1 toggle switch
- 2 rotation knob
- 3 movable handle component

jaw insert
inner metal tube
outer insulation tube



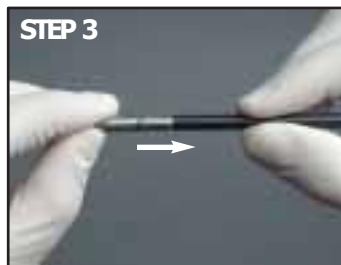
DISASSEMBLY



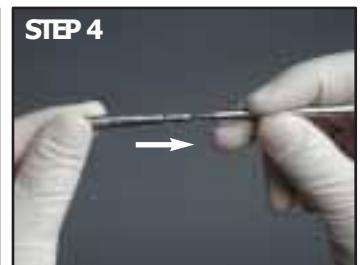
STEP 1
If ratchet style handle, deactivate ratchet by flipping down red toggle switch.



STEP 2
Pull rotation knob back until it locks into place. A red ring will become visible. Once visible remove the shaft by pulling the instrument shaft out of the handle.



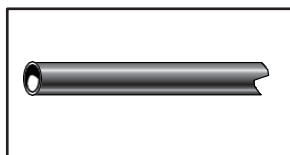
STEP 3
Hold the jaw insert at the tip and remove the outer insulation tube.



STEP 4
Hold the jaw insert at the tip and remove the inner metal tube.

MODULAR INSTRUMENT SPARE PARTS

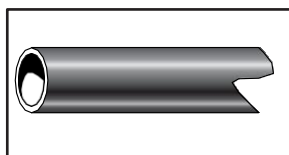
Insulated Outer Tubes



PM973R 5 mm, 31 cm

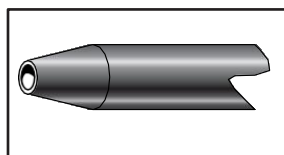
PM976R 5 mm, 37 cm

PM981R 5 mm, 42 cm



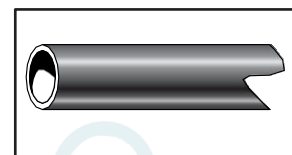
PM974R 10 mm, 31 cm

PM982R 10 mm, 42 cm



PM975R 5/10 mm, 31 cm

PM978R 5/10 mm, 37 cm



PM977R 10 mm, 37 cm

PO950400 Cautery Pin for PO handles, 5 pkg.

PL170251 Cautery Pin for PM handles, 5 pkg.

PM950250 Rotation Knobs for PM instruments, grey, 5 pkg.

GK245 Reusable Monopolar Cable, ERBE T 4 mm diam., 12 ft.

US354 Reusable Monopolar Cable, VALLEYLAB, CONMED, BIRCHER, BOVIE, ERBE ICC, 4 mm diam., 10 ft.

GK469R Cleaning Brush, 3.7 mm diam. for Inner Tube and Outer Tube, 5 mm diam., 12 pkg.

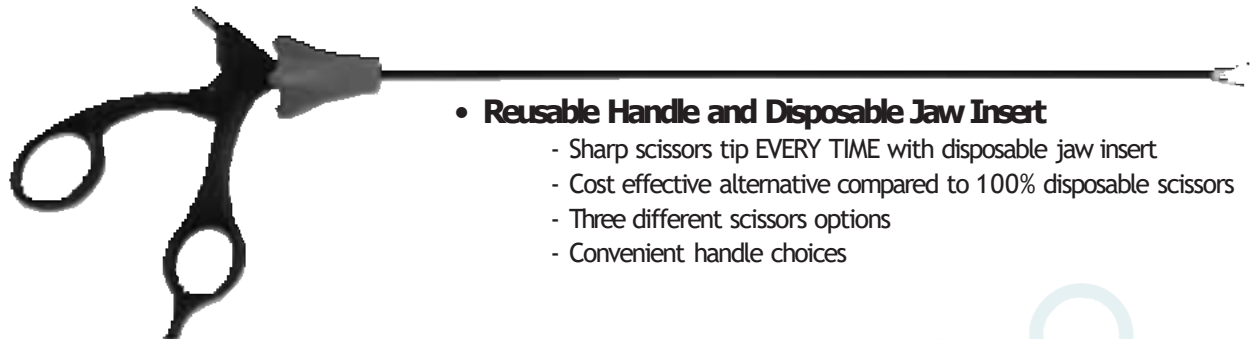
PM995R Cleaning Brush, 10 mm diam., 6 pkg.

PM600201 Inner Metal Tube, 31 cm

PM618201 Inner Metal Tube, 37 cm

PM434201 Inner Metal Tube, 42 cm

Reusable Scissors



- **Reusable Handle and Disposable Jaw Insert**
 - Sharp scissors tip EVERY TIME with disposable jaw insert
 - Cost effective alternative compared to 100% disposable scissors
 - Three different scissors options
 - Convenient handle choices

	ITEM NO.	DESCRIPTION
 1/1	PO886	Disposable Hook Scissors, 5 mm, 31 cm, 10 per box for PO/PM handles
 1/1	PO887	Disposable Mini-Metz Scissors, 5 mm, 31 cm, 10 per box for PO/PM handles
 1/1	PO888 PO889	Disposable Metzenbaum Scissors, 5 mm, 31 cm, 10 per box for PO/PM handles Disposable Metzenbaum Scissors, 5 mm, 42 cm, 10 per box for PO/PM handles
	PO958R	Quick-Snap Handle
	PM950R	Insulated Metal Handle

Monopolar Electrodes



Modular Monopolar Electrode System

QUALITY - German craftsmanship and design

DURABILITY - PEEK* insulation is resistant to cracks, peeling, shrinkage and malformations

MODULARITY - Exchange of tips and replacements as needed

ENHANCED SAFETY - Ceramic insulation to the working tip provides controlled energy delivery

SYSTEM COMPONENTS



Monopolar Handle - Complete instrument includes both Outer Tube and Inner Tube.

GK372R 5 mm diameter, 33 cm working length

GK374R 5 mm diameter, 42 cm working length



Outer Tube

GK370P 5 mm, 33 cm

GK376P 5 mm, 42 cm



Inner Tube and Handle

GK373R 5 mm, 33 cm

GK375R 5 mm, 42 cm

MONOPOLAR ELECTRODE TIPS



GK383R Ceramic Electrode Tip, J-Hook



GK384R Ceramic Electrode Tip, L-Hook



GK385R Button Electrode Tip



GK386R Spatula Electrode Tip

REUSABLE MONOPOLAR CABLES



GK245 ERBE TReusable Monopolar Cable, 4 mm diameter, 12 ft.



US354 VALLEYLAB, CONMED, BIRCHER, BOVIE, ERBE ICC Reusable Monopolar Cable, 4 mm diameter, 10 ft.

SPARE PARTS

PL170223 Contact Pin for HF Connection

GK299 Wire brush for cleaning the working tips

* PEEK = polyether-etherketone

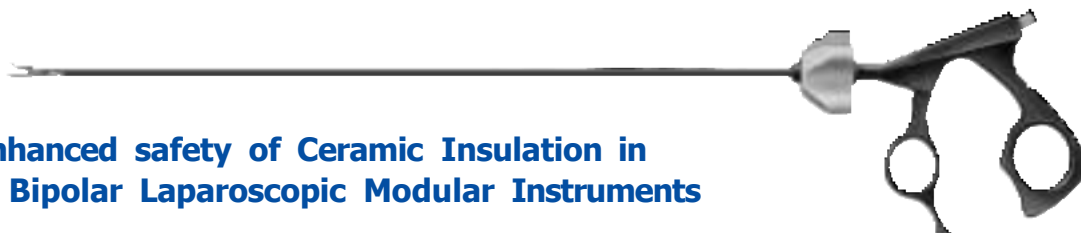
Suturing



INTRACORPOREAL		31 CM	37 CM	42 CM
	1/1 Durogrip TC Needle Holder, straight, 5 mm	PL407R	PL404R	PL416R
	1/1 Durogrip TC Needle Holder, curved left, 5 mm	PL408R	PL405R	PL417R
	1/1 Durogrip TC Needle Holder, curved right, 5 mm	PL413R	PL415R	
	1/1 "The Viper" Durogrip TC Suture Assistant / Needle Holder, 2 x 3 teeth, 5 mm	PL409R		
	1/1 Super Righting Needle Holder, 5 mm	PL414R		
	1/1 Durogrip TC Needle Holder, Fenestrated, 5 mm	PL410R		
	1/1 Durogrip TC Needle Holder, Crimped/Fenestrated, 5 mm	PL411R		
EXTRACORPOREAL				
	1/1 CROCE/OLMI Dissecting and Suture Scissors with Knot Pusher, 5 mm	PO022R		
	1/1 *Knot Pushing/Knot Tightening Forceps, 5 mm	PM654R PM973R PO958R		Jaw Insert Outer Tube Handle
	Knot Pusher, 5 mm	PL651R		
	Knot Pusher, 5 mm	PL432R		

* Instrument sold by component

Bipolar Instruments



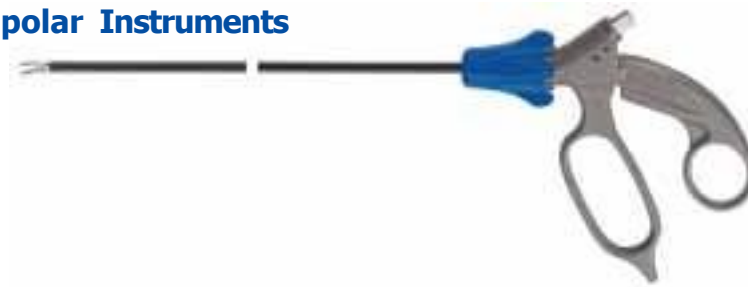
The Enhanced safety of Ceramic Insulation in Reusable Bipolar Laparoscopic Modular Instruments

	PM400R Bipolar Metzenbaum Scissors, 5 mm, 31 cm	PM430R	PM973R	PM450R
	PM404R Bipolar Metzenbaum Scissors, 5 mm, 42 cm	PM434R	PM981R	PM450R
	PM407R Bipolar Mini Metzenbaum Scissors, 5 mm, 31 cm	PM437R	PM973R	PM450R
	PM401R Bipolar Maryland Dissector, 5 mm, 31 cm	PM431R	PM973R	PM450R
	PM405R Bipolar Maryland Dissector, 5 mm, 42 cm	PM435R	PM981R	PM450R
	PM408R Bipolar Maryland Dissector, fenestrated 5 mm, 31 cm	PM438R	PM973R	PM450R
	PM415R Bipolar Maryland Dissector, fenestrated 5 mm, 42 cm	PM445R	PM981R	PM450R
	PM402R Bipolar Micro Forceps, 5 mm, 31 cm	PM432R	PM973R	PM450R
	PM403R Bipolar Macro Forceps, 5 mm, 31 cm	PM433R	PM973R	PM450R
	PM406R Bipolar Macro Forceps, 5 mm, 42 cm	PM436R	PM981R	PM450R

Bipolar Instruments



Disposable Bipolar Instruments



	ITEM NO.	DISPOSABLE BIPOLAR SCISSORS
	PL700	Metzenbaum Scissors, 5 mm, 31 cm Six Single Sterile Scissors per Box
	PL701	Maryland Grasping Forceps, 5 mm, 31 cm Six Single Sterile Graspers per Box

BIPOLAR CABLES & ACCESSORIES

	GN073 Cable for Aesculap, Wolf, Martin, Berchtold, 12 ft.
	GK200 Cable for Valleylab, Conmed, Bovie, 12 ft.
	US349SP Cable for Valleylab, Conmed, Bovie, 12 ft. (Disposable, Single-use - 10 units/box)
GK216	Cable for Erbe
GK217	Cable for Codman
GK299	Wire Brush for cleaning jaws

Classic "Kleppinger-Style" Forceps for Tubal Ligation



	ITEM NO.	CLASSIC BIPOLAR TUBAL FORCEPS
	MF970 MF980	32 cm, Syringe Handle Forceps 45 cm, Syringe Handle Forceps
	MF975 MF985	32 cm, Scissors Handle Forceps 45 cm, Scissors Handle Forceps
	MF971 MF981	32 cm, Jaw Insert Only 45 cm, Jaw Insert Only
	MF966	Reusable Cable for Wolf Generator
	MF967	Reusable Cable for Valley Lab Generator

Specialty-Locking Graspers



Aesculap Graspers

- Single- and double-action models
- Atraumatic and retraction jaw patterns
- Flush ports for optimal cleaning
- Excellent tissue grasping properties
- Slide lock ratchet mechanism

ITEM NO.	DESCRIPTION	HANDLE	SHAFT
PL049R	Sovereign Atraumatic Grasper, double action, 5 mm, 42 cm	Slide Lock	Rotatable
PL054R	Sovereign Atraumatic Grasper, single action, 5 mm, 36 cm	Slide Lock	Non-Rotatable
PL055R	Sovereign Atraumatic Grasper, double action, 5 mm, 36 cm	Slide Lock	Rotatable
PL056R	Sovereign Retraction Grasper, single action, 5 mm, 36 cm	Slide Lock	Non-Rotatable
PL057R	Sovereign Retraction Grasper, double action, 5 mm, 36 cm	Slide Lock	Rotatable
8360-00	Prestige Atraumatic Grasper, single action, 5 mm, 36 cm	Slide Lock	Non-Rotatable
8360-10	Prestige Atraumatic Grasper, double action, 5 mm, 36 cm	Slide Lock	Rotatable
8361-00	Prestige Retraction Grasper, single action, 5 mm, 36 cm	Slide Lock	Non-Rotatable
8361-10	Prestige Retraction Grasper, double action, 5 mm, 36 cm	Slide Lock	Rotatable



Sovereign® Graspers



Prestige™ Graspers



Sovereign PL048R/54R
Prestige 8360-00



Sovereign PL049R/55R
Prestige 8360-10



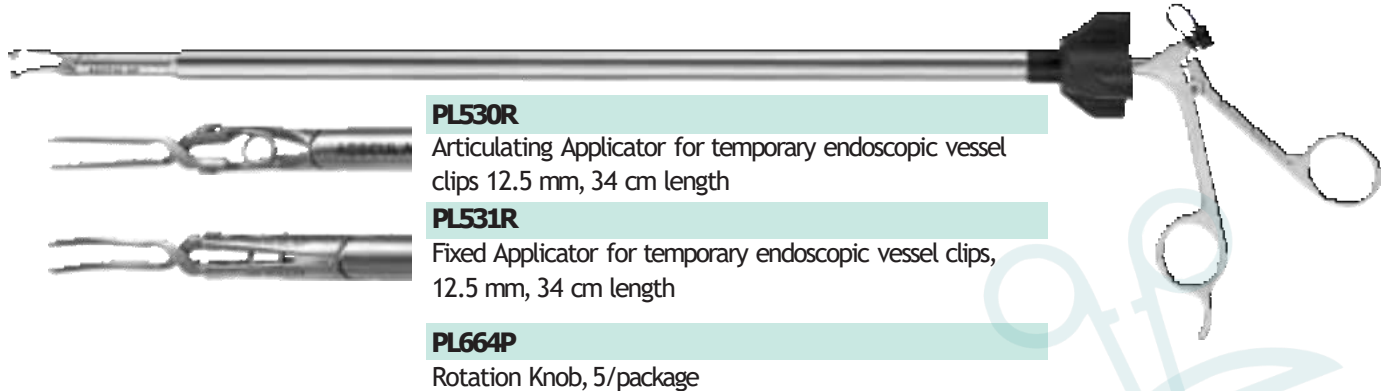
Sovereign PL056R
Prestige 8361-00



Sovereign PL057R
Prestige 8361-10

Specialty Instruments Sets- Advances Procedure

LAPAROSCOPIC VASCULAR CONTROL INSTRUMENTS



PL530R

Articulating Applicator for temporary endoscopic vessel clips 12.5 mm, 34 cm length

PL531R

Fixed Applicator for temporary endoscopic vessel clips, 12.5 mm, 34 cm length

PL664P

Rotation Knob, 5/package

Atraumatic Endo Vessel Clips (for temporary occlusion)

	CLOSING FORCE	JAW LENGTH	JAW SHAPE
	PL544S 350 g	25 mm	short/straight
	PL545S 450 g	45 mm	long/straight
	PL548S 350 g	25 mm	short/curved
	PL549S 450 g	45 mm	long/curved

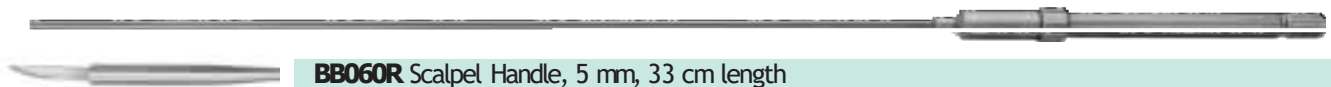
DISSECTING SPATULA



PL657R Dissecting Spatula, straight, 5 mm, 33 cm length

PL659R Dissecting Spatula, curved, 5 mm, 33 cm length (shown)

SCALPEL HANDLE for KNIFE BLADES Handle Features a retractable blade mechanism



BB060R Scalpel Handle, 5 mm, 33 cm length

KNIFE BLADES (order separately 10 per package)



BB363R

BB364R

BB365R

BB367R

Specialty Instruments Sets- Advances Procedure

INSTRUMENTS

Optional Handles for Customizing Instruments- Interchangeable for 5 mm and 10 mm instruments



PO958R (Non-Ratchet)



PO959R (Ratchet)



PM950R (Non-Ratchet)



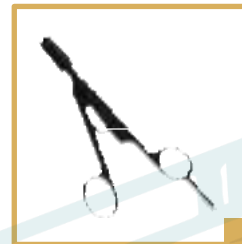
PM951R (Ratchet)



PM953R (In-Line)



PM954R (Ratchet)

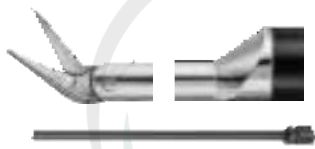


PM955R (Non-Ratchet)



PM957R (Ratchet)
with lock

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

	COMPLETE INSTRUMENT	COMPONENTS			
		JAW INSERT	INSULATED OUTER TUBES	STANDARD	OPTIONAL
	PO014R Potts-DeMartell Scissors, 10 mm, 31 cm	PO682R	PM992R		
	PM941R Protection Sleeve for safe introduction through the 12.5 mm trocar				 
1/2	PM171R* Satinsky Atraumatic Clamp, 38 mm jaw, 5 mm, 31 cm	PM711R	PM973R		    
	PM177R* Satinsky Atraumatic Clamp, 51 mm jaw, 5 mm, 31 cm				    
1/2	Order by component De Bakey Atraumatic Clamp, straight, 50 mm Jaw, 10 mm, 22 cm	PM712R	PM992R		    
					
1/2	PM175R* De Bakey Atraumatic Clamp, curved, 5 mm, 31 cm	PM671R	PM973R		    
					

* For use with 12.5 mm flexible trocars

Specialty Instruments Sets- Advances Procedure



Optional Handles for Customizing Instruments- Interchangeable for 5 mm and 10 mm instruments



PO958R (Non-Ratchet)



PO959R (Ratchet)



PM950R (Non-Ratchet)



PM951R (Ratchet)



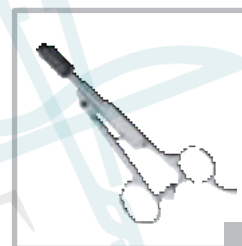
PM953R (In-Line)



PM954R (Ratchet)



PM955R (Non-Ratchet)



PM957R (Ratchet)
with lock

Instruments may be ordered COMPLETE or assembled from COMPONENTS ordered separately

		COMPLETE INSTRUMENT	JAW INSERT	COMPONENTS		
				INSULATED OUTER TUBES	STANDARD	OPTIONAL
	1/2	PM176R* De Bakey Atraumatic Clamp, S-shaped, 5 mm, 31 cm	PM689R	PM973R		
	1/2	PM173R Crafoord Endo-vascular Clamp, short jaw, 5 mm, 31 cm	PM713R	PM973R		
		PM178R Crafoord Endo-vascular Clamp, long jaw, 5 mm, 31 cm	PM719R	PM973R		
	1/1	PO103R Overholt Dissecting Clamp, 90°, 10 mm, 31 cm	PO606R	PM975R		
	1/1	PO218R Crile Dissecting Forceps, Curved 5 mm, 31 cm	PO771R	PM973R		
		PO213R Crile Dissecting Forceps, Curved 5 mm, 37 cm	PO766R	PM976R		

* For use with 12.5 mm flexible trocars

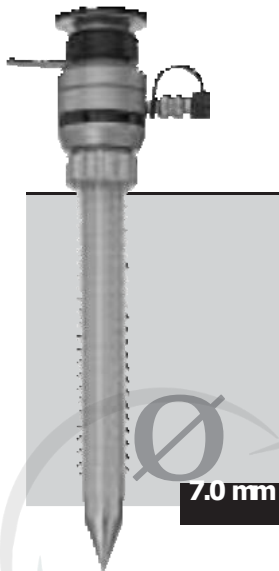
Specialty Instruments Sets- Advances Procedure

FLEXIBLE TROCARS



Complete trocar -100 mm length with valve and obturator

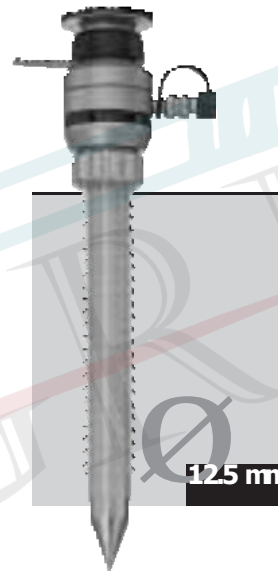
- Shaft sufficiently flexible to permit insertion of curved instruments and sufficiently firm to ensure access to the peritoneal orthoracic cavity
- For the use of curved instruments or special mouth shapes
- Trocar shaft in two different diameters and two different lengths



EJ800R

Complete Trocar

Includes: Obturator, Cannula and Trocar Body, 7 mm x 100 mm



EJ590R

Complete Trocar

Includes: Obturator, Cannula and Trocar Body, 12.5 mm x 100 mm



EJ804P Flexible Cannula, 7 mm x 75 mm

EJ806P Flexible Cannula, 7 mm x 100 mm

EJ824P Flexible Cannula, 12.5 mm x 75 mm

EJ826P Flexible Cannula, 12.5 mm x 100 mm



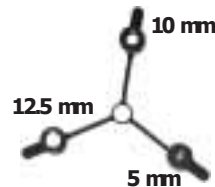
EJ801R

Trocar Body, 7 mm



EJ805R Obturator, 7 mm x 75 mm

EJ807R Obturator, 7 mm x 100 mm



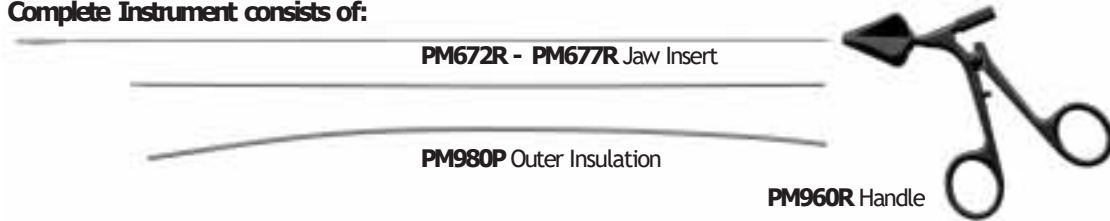
EJ641P

Reducing Converter

Specialty Instruments Sets- Needlescopic

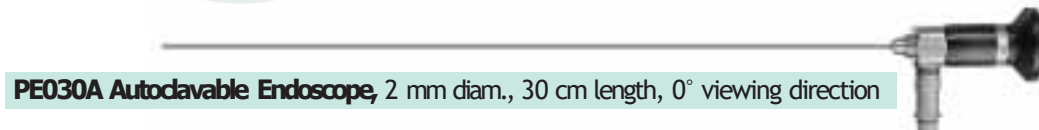
Needlescopic Instrument System- Long (31 cm)

Complete Instrument consists of:



		COMPLETE INSTRUMENT	COMPONENTS		
			JAW INSERT	INSULATED OUTER TUBES	HANDLE
	1/1	PM012R N.I.S. Peritoneal Scissors, 2.5 mm diam., 31 cm length	PM672R	PM980P	PM960R
	1/1	PM013R N.I.S. Micro Scissors, 2.5 mm diam., 31 cm length	PM673R	PM980P	PM960R
	1/1	PM145R N.I.S. Maryland Dissector, 2.5 mm diam., 31 cm length	PM674R	PM980P	PM960R
	1/1	PM146R N.I.S. Babcock Forceps, 2.5 mm diam., 31 cm length	PM675R	PM980P	PM960R
	1/1	PM507R N.I.S. Biopsy Forceps, 2.5 mm diam., 31 cm length	PM676R	PM980P	PM960R
	1/1	PM560R N.I.S. Needle Holder, 2.5 mm diam., 31 cm length	PM677R	PM980P	PM960R
	1/1	N.I.S. Monopolar Electrode, 2.5 mm diam., 31 cm length	GK476R	--	GK253Y with cable

SCOPE



PE030A Autoclavable Endoscope, 2 mm diam., 30 cm length, 0° viewing direction

TROCARS

EJ671R Cannula complete, with trocar, 2.5 mm diam., 9 cm length

EJ670R Trocar body, 2.5 mm

EJ683R Cannula shaft, threaded, 2.5 mm

EJ685R Tri-tip trocar, 2.5 mm



TROCAR SPARE PARTS

EJ570P Flap valve, 20/pkg.

EJ670202 Sealing cap, 2.5 mm for
EJ671R

EJ700250 Trocar ring w/o insufflation

EJ700251 Trocar ring w/insufflation

PM961R Ratchet Handle option

Specialty Instruments Sets- Needlescopic

		COMPONENTS		
	COMPLETE INSTRUMENT	JAW INSERT	INSULATED OUTER TUBES	HANDLE
	1/1 PM017R N.I.S. Peritoneal Scissors, 2.5 mm diam., 22 cm length	PM706R	PM979P	PM960R
	1/1 PM018R N.I.S. Micro Scissors, 2.5 mm diam., 22 cm length	PM707R	PM979P	PM960R
	1/1 PM170R N.I.S. Maryland Dissector, 2.5 mm diam., 22 cm length	PM708R	PM979P	PM960R
	1/1 PM180R N.I.S. Babcock Forceps, 2.5 mm diam., 22 cm length	PM723R	PM979P	PM960R
	1/1 PM181R N.I.S. Straight Grasping and Dissecting Forceps, 2.5 mm diam., 22 cm length	PM724R	PM979P	PM960R
	1/1 PM508R N.I.S. Biopsy Forceps, 2.5 mm diam., 22 cm length	PM725R	PM979P	PM960R
	1/1 PM564R N.I.S. Durogrip Needle Holder, 2.5 mm diam., 22 cm length	PM709R	PM979P	PM960R

SCOPE

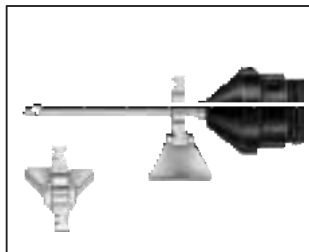


PE032A Autoclavable Endoscope, 2.5 mm diam., 22 cm length, 0° viewing direction

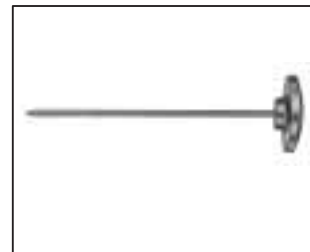
TROCARS



EJ670R Trocar Body,
including insufflation ring
flap valve and sealing cap



EJ672R Trocar Cannula
with removable suture fixation,
2.5 mm diam., 4 cm length



EJ675R Triangular Obturator
EJ676R Blunt Conical Obturator

TROCAR SPARE PARTS

EJ570P Silicone Flap Valve, 20/pkg.

EJ700251 Trocar Ring w/insufflation

EJ670202 Sealing Cap, 2.5 mm for EJ671R

EJ751251 Insufflation Ring Cap, 20/pkg.

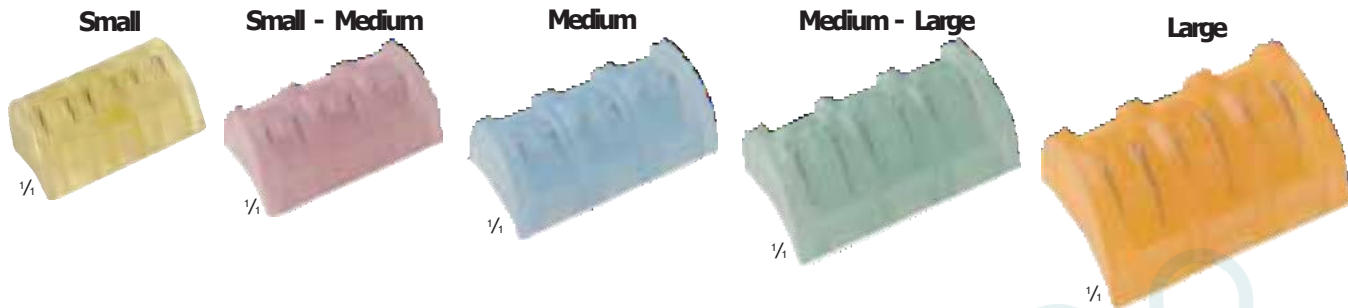
EJ700250 Trocar Ring w/o insufflation

EJ700800 Insufflation Ring with Cap

Clip Appliers



SLS Single-Fire Ligation System



A Reliable and Cost-Efficient System that Delivers Superior Performance

- Clip cartridge is designed for easy loading and precise clip pickup
- Rotation knob allows for one finger, 360° rotation of applicator shaft
- Modular clip applicator can be disassembled for easy cleaning

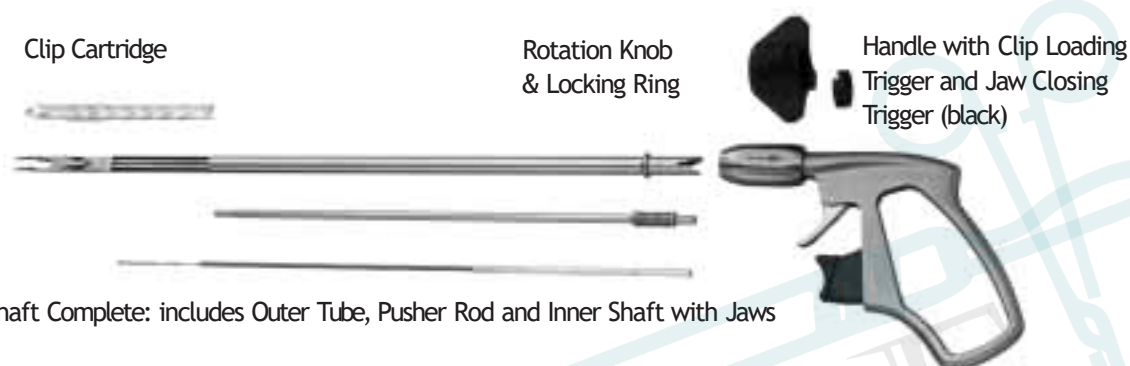
ORDERING INFORMATION

	Small	Small-Medium	Medium	Medium-Large	Large
Titanium Ligation Clips 	J1180-1 Available in boxes of 30 cartridges of 6 clips = 180 clips	L5180-1 Available in boxes of 30 cartridges of 6 clips = 180 clips	B2180-1 Available in boxes of 30 cartridges of 6 clips = 180 clips	V3120-1 Available in boxes of 20 cartridges of 6 clips = 120 clips	O4120-1 Available in boxes of 20 cartridges of 6 clips = 120 clips
Laparoscopic Clip 	LCASLS1R Diameter 5.5 mm Length 30 cm	LCASLS2R Diameter 5.5 mm Length 30 cm	LCASLS3R Diameter 6.5 mm Length 30 cm LCASLS4R Diameter 10.0 mm Length 33 cm	LCASLS5R Diameter 10.0 mm Length 33 cm (<i>shown left</i>)	LCASLS6R Diameter 12.5 mm Length 33 cm

Multifire Clip Applier

The **Reusable** Endoscopic Multifire Clip Applier with Titanium Clips

The Ideal Choice for Quality, Dependability and Economy



Sovereign Shaft Complete: includes Outer Tube, Pusher Rod and Inner Shaft with Jaws

SOVEREIGN MULTIFIRE CLIP APPLIER

PL508R	Sovereign Multifire Clip Applier , shaft 10 mm diam., 26 cm length
PL506R	Sovereign Multifire Clip Applier , shaft 10 mm diam., 37 cm length
PL569T	Clip Cartridge , Box of 12 sterile Cartridges. Each cartridge contains 8 medium-large Titanium Clips



Convenient 8-clip cartridge allows fast, multiple clip application without reloading.



Sterile cartridge loads quickly and securely into the applier.



Clip design guarantees occlusion of lumen of the vessel.

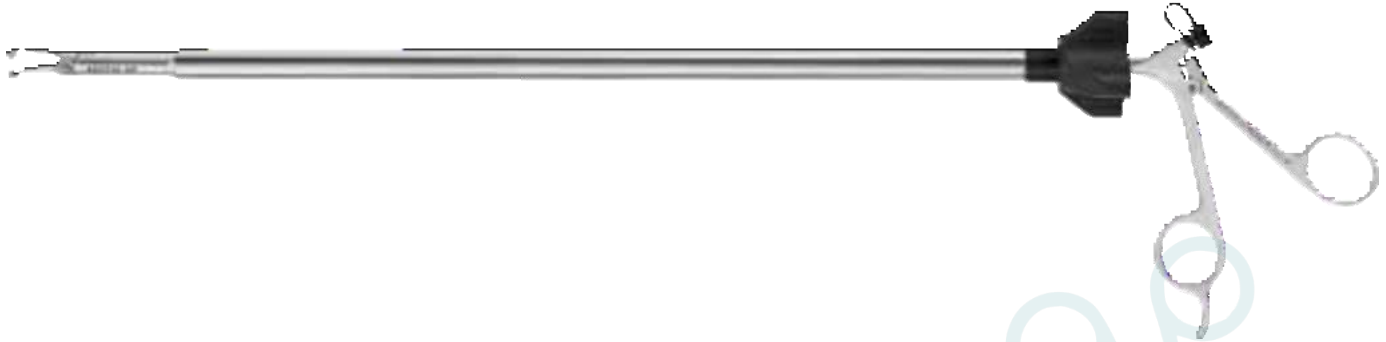
SPARE PARTS

26 cm

37 cm

PL538R	PL536R	Shaft Complete, Includes Outer Tube, Pusher Rod, Inner Tube with Jaws
PL538801	PL536801	Pusher Rod
PL538205	-	Outer Tube
PL538802	PL536802	Inner Tube
PL510R	PL510R	Handle
PL510300	PL510300	Rotation Knob
PL510301	PL510301	Locking Ring

Vascular Clip Applier / Remover



CLIP APPLIER/REMOVER



PL530R

Articulating Applicator for temporary endoscopic vessel clips, 12.5 mm, 34 cm length



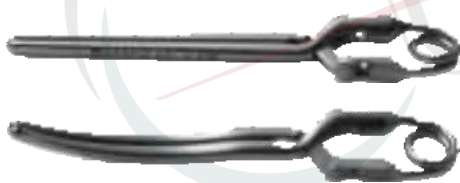
PL531R

Fixed Applicator for temporary endoscopic vessel clips, 12.5 mm, 34 cm length

PL664P

Rotation Knob, 5/package

Atraumatic Endo Vessel Clips (for temporary occlusion)



ITEM NO.	CLOSING FORCE	JAW LENGTH	JAW SHAPE
PL544S	350 g	25 mm	short/straight
PL545S	450 g	45 mm	long/straight
PL548S	350 g	25 mm	short/curved
PL549S	450 g	45 mm	long/curved

INTESTINAL BULLDOG CLIP



PL541S

Intestinal bulldog clip,
Jaw length: 70 mm, Closing force: 3.94 mm

Endoscopes

Endoscopes



LAPAROSCOPES

ITEM NO.		DIAMETER	VIEWING DIRECTION	LENGTH	STEAM AUTOCLAVE	STERRAD	STERIS
PE030A	Needlescopic, Semi-rigid	2 mm	0°	30 cm	•	•	
PE032A	Needlescopic, Semi-rigid	2.5 mm	0°	22 cm	•	•	•
PE590A	Full Screen Technology	5 mm	0°	30 cm	•	•	•
PE610A	Full Screen Technology	5 mm	30°	30 cm	•	•	•
PE889A	Full Screen Technology	10 mm	0°	33 cm	•	•	•
PE909A	Full Screen Technology	10 mm	30°	33 cm	•	•	•
PE969A	Full Screen Technology	10 mm	45°	33 cm	•	•	•
PE898A	Operative Laparoscope, with working channel for 5 mm instruments	10 mm	0°	27 cm	•	•	

NEUROENDOSCOPES

ITEM NO.		DIAMETER	VIEWING DIRECTION	LENGTH	STEAM AUTOCLAVE	STERRAD	STERIS
PE183A	Short Ventriculoscope	2.7 mm	0°	26 cm	•	•	
PE203A	Short Ventriculoscope	2.7 mm	30°	26 cm	•	•	
PE188A	Ventriculoscope, Wide angle lens	2.7 mm	0°	30 cm	•	•	
PE208A	Ventriculoscope, Wide angle lens	2.7 mm	30°	30 cm	•	•	
PE184A	MINOP Angled Endoscope	2.7 mm	0°	18 cm	•	•	•
PE204A	MINOP Angled Endoscope	2.7 mm	30°	18 cm	•	•	•
PE486A	Pernechky Angled Endoscope	4 mm	0°	16 cm	•	•	•
PE506A	Pernechky Angled Endoscope	4 mm	30°	16 cm	•	•	•
PE526A	Pernechky Angled Endoscope	4 mm	70°	16 cm	•	•	•

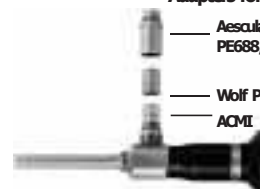
STORAGE SYSTEMS

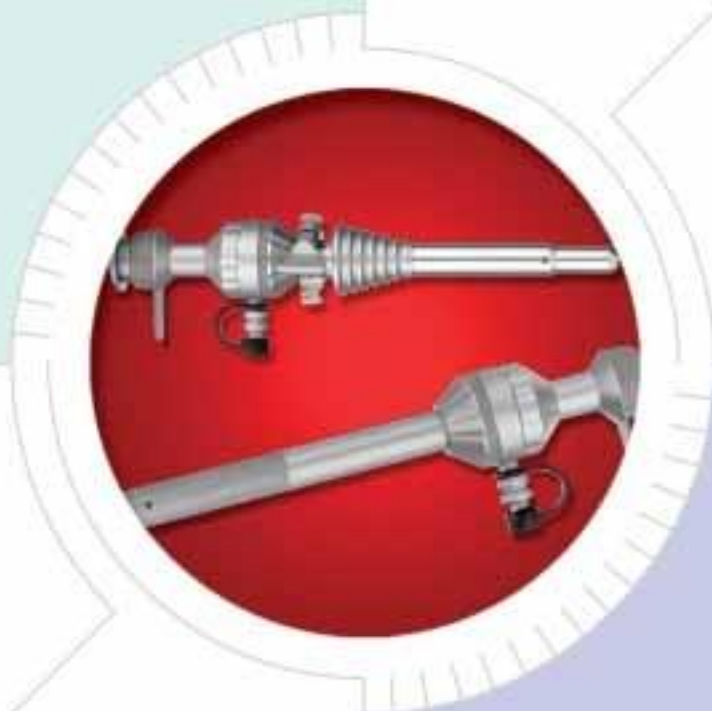
JF431R	Single Scope Tray, 17", for 5 mm/10 mm diameter scopes
JF432R	Double Scope Tray, 17", for 5 mm/10 mm diameter scopes
JF433R	Double Scope Tray, 17", for 2 mm/3 mm diameter scopes
JF324R	Half-Size Storage Basket for 4 mm Pernechky angled scopes
FF358R	Storage Rack for 2.7 mm MINOP angled scopes and trocars

Adapters for light guide cable

— Aesculap, Storz, Olympus, PE688/221

— Wolf PE688/219
— ACMI





Trocars

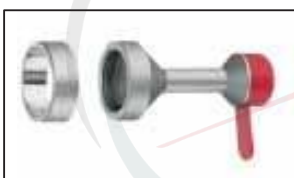
TROCARS

Reusable Trocar Systems

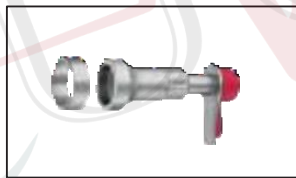
5.5 mm TROCARS



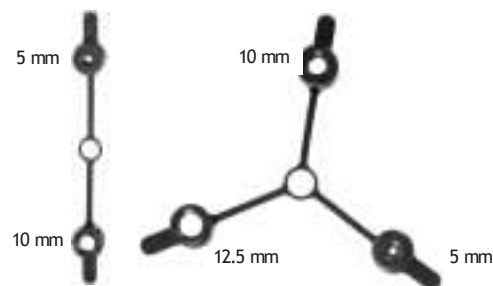
	WORKING LENGTH	COMPLETE TROCAR	CANNULA ONLY	PYRAMIDAL TIP OBTURATOR	CONICAL TIP OBTURATOR	BLUNT TIP OBTURATOR
Smooth Cannula	60 mm	---	EJ702R	EJ705R	EJ706R	---
	110 mm	EJ701R	EJ712R	EJ715R	EJ716R	EJ718R
	150 mm	---	EJ722R	EJ725R	---	EJ720R
Threaded Cannula	60 mm	---	EJ703R	EJ705R	EJ706R	---
	110 mm	---	EJ713R	EJ715R	EJ716R	EJ718R
	150 mm	---	---	---	---	EJ720R
Radiolucent Threaded Cannula	60 mm	---	EJ704P	EJ705R	EJ706R	---
	110 mm	---	EJ714P	EJ715R	EJ716R	EJ718R
	150 mm	---	---	EJ725R	---	EJ720R



EJ700R Standard Trocar Body without insufflation ring (order EJ700251 for insufflation ring)



EJ710R Manual Opening Trocar Body



Reducing Sleeve

ITEM NO.	DIAMETER	LENGTH	GUIDE
EJ601R	10 mm	180 mm	5.5 mm
EJ602R	13 mm	180 mm	5.5 mm
EJ604R	13 mm	180 mm	10 mm

5.5 mm/10 mm 5.5 mm/12.5 mm 10 mm/12.5 mm

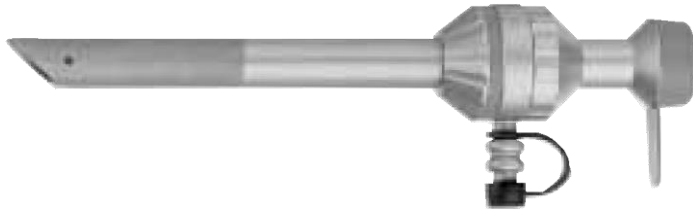
EJ601250	EJ603250	EJ605250
EJ601251		

Reducing Converters

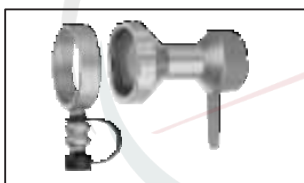
ITEM NO.	TROCAR DIAMETER	CONVERTS TO:
EJ640P	10 mm & 12.5 mm	5 mm/10 mm
EJ641P	12.5 mm	5 mm, 10 mm, 12.5 mm
EJ642P	13 mm	5 mm, 10 mm, 13 mm

Reusable Trocar Systems

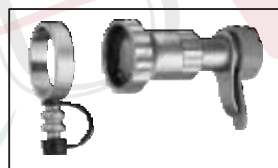
10 mm TROCARS



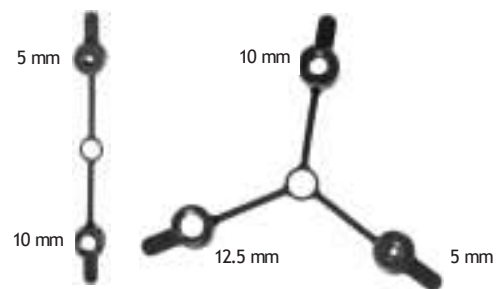
	WORKING LENGTH	COMPLETE TROCAR	CANNULA ONLY	PYRAMIDAL TIP OBTURATOR	CONICAL TIP OBTURATOR	BLUNT TIP OBTURATOR
Smooth Cannula	60 mm	---	---	---	---	---
	110 mm	EJ751R	EJ752R	EJ755R	EJ756R	EJ558R
	150 mm	---	EJ762R	EJ765R	EJ766R	EJ568R
Threaded Cannula	60 mm	---	---	---	---	---
	110 mm	---	EJ753R	EJ755R	EJ756R	EJ558R
	150 mm	---	---	EJ765R	EJ766R	EJ568R
Radiolucent Threaded Cannula	60 mm	---	---	---	---	---
	110 mm	---	EJ754P	EJ755R	EJ756R	EJ558R
	150 mm	---	---	EJ765R	EJ766R	EJ568R



EJ750R Standard Trocar Body



EJ760R Manual Opening Trocar Body



Reducing Sleeve

ITEM NO.	DIAMETER	LENGTH	GUIDE
EJ601R	10 mm	180 mm	5.5 mm
EJ602R	13 mm	180 mm	5.5 mm
EJ604R	13 mm	180 mm	10 mm

Reducing Converters

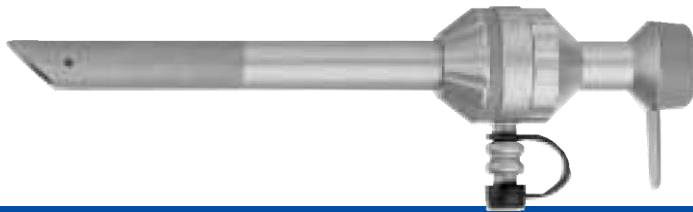
ITEM NO.	TROCAR DIAMETER	CONVERTS TO:
EJ640P	10 mm & 12.5 mm	5 mm/10 mm
EJ641P	12.5 mm	5 mm, 10 mm, 12.5 mm
EJ642P	13 mm	5 mm, 10 mm, 13 mm

5.5 mm/10 mm 5.5 mm/12.5 mm 10 mm/12.5 mm

EJ601250	EJ603250	EJ605250
EJ601251		

Reusable Trocar Systems

13 mm TROCARS



WORKING LENGTH	COMPLETE TROCAR	CANNULA ONLY	PYRAMIDAL TIP OBTURATOR	CONICAL TIP OBTURATOR	BLUNT TIP OBTURATOR
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110 mm	EJ580R	EJ582R	EJ586R	EJ587R	EJ588R
--------	--------	--------	--------	--------	--------

Smooth Cannula



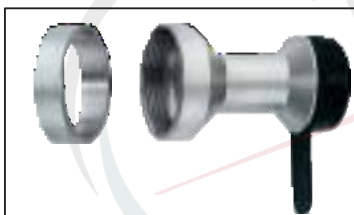
110 mm	---	EJ584R	EJ586R	EJ587R	EJ588R
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Threaded Cannula

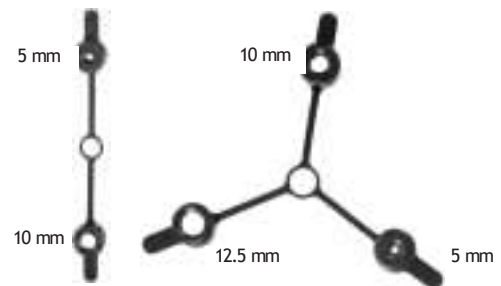


110 mm	---	---	EJ586R	EJ587R	EJ588R
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Radiolucent Threaded Cannula



EJ581R Standard Trocar Body, without insufflation ring
(order EJ750251 for insufflation ring)



Reducing Sleeve

Reducing Converters

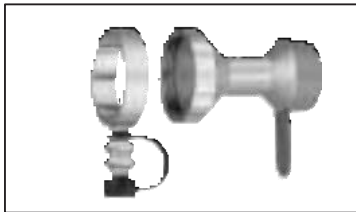
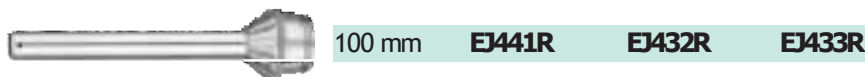
ITEM NO.	DIAMETER	LENGTH	GUIDE	ITEM NO.	TROCAR DIAMETER
EJ601R	10 mm	180 mm	5.5 mm	EJ640P	10 mm & 12.5 mm
EJ602R	13 mm	180 mm	5.5 mm	EJ641P	12.5 mm
EJ601R	10 mm	180 mm	10 mm	EJ642P	13 mm
Sealing Caps for Reducing Sleeve 20/pkg					
5.5 mm/10 mm	5.5 mm/12.5 mm	10 mm/12.5 mm	5.5 mm/13 mm	10 mm/13 mm	
EJ601250	EJ603250	EJ605250	EJ646P	EJ645P	
EJ601251					

Reusable Trocar Systems

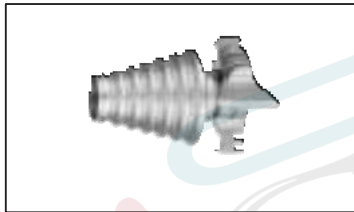
HASSON/MINI LAPAROTOMY STYLE TROCARS



COMPLETE
TROCAR
W/OBTURATOR CANNULA
ONLY BLUNT TIP
OBTURATOR

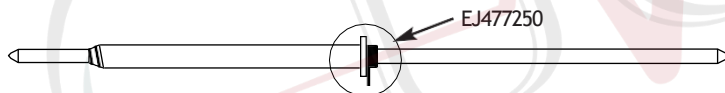


EJ750R Trocar Body



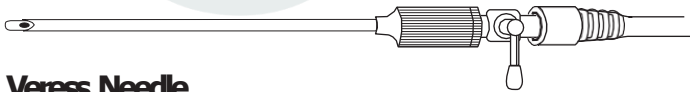
EJ430R Stability Cone

TROCAR SPARE PARTS



EJ477R Dilation/Exchange Rod, 5 mm - 10 mm

EJ477250 Sealing Cap for EJ477R, 20/pkg.



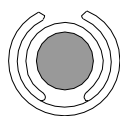
Veress Needle

ITE M NO.	O.D. CANNULATED NEEDLE	O.D. CANNULA NEEDLE	LENGTH
PG003	1.6 mm	2.1 mm	100 mm
PG008	1.6 mm	2.1 mm	120 mm
PG011	1.6 mm	2.1 mm	150 mm

REUSABLE TROCAR SYSTEMS



Trocar Spare Parts (continued)



- EJ570P** Silicone Flap Valve for 5.5 mm or 7 mm trocars, 20/pkg.
EJ571P Silicone Flap Valve for 10 mm or 12.5 mm trocars, 20/pkg.
EJ572P Silicone Flap Valve for 13 mm trocars, 20/pkg.



- EJ751251** Sealing Cap for Insufflation Connection for modular Trocars, 20/pkg.



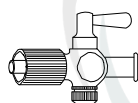
- EJ750251** Trocar Insufflation Ring with Luer Lock, 10 mm/12.5 mm, one piece
EJ700251 Trocar Insufflation Ring with Luer Lock, 5 mm/7 mm, one piece



- EJ750250** Trocar Ring without Luer Lock Connector, 10 mm/12.5 mm, one piece
EJ700250 Trocar Ring without Luer Lock Connector, 5 mm/7 mm, one piece



- EJ702250** Plastic Ring for 5 mm trocars, 20/pkg.
EJ752250 Plastic Ring for 10 mm trocars, 20/pkg.
EJ644P Plastic Ring for 13 mm trocars, 20/pkg.



- SK271C** Metal Valve for Insufflation Connection, one piece



- EJ446255** Sealing Cap for Modular Trocars, 5.5 mm, 20/pkg.
EJ417255 Sealing Cap for Modular Trocars, 7 mm, 20/pkg.
EJ449255 Sealing Cap for Modular Trocars, 10 mm, 20/pkg.
EJ450255 Sealing Cap for Modular Trocars, 12.5 mm, 20/pkg.
EJ643P Sealing Cap for Modular Trocars, 13 mm, 20/pkg.



- MD156** Reducing Cap for Modular Trocars, 5/pkg.

Needlescopic and Pediatric Trocars



NEEDLESCOPIC



EJ671R Cannula complete with Trocar, 2.5 mm diam., 9 cm

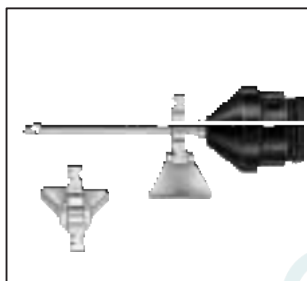
EJ683R Cannula Shaft, threaded, 2.5 mm diam.

EJ670R Tri-tip Trocar, 2.5 mm diam.



EJ670R Trocar Body including insufflation ring with cap, flap valve and sealing cap

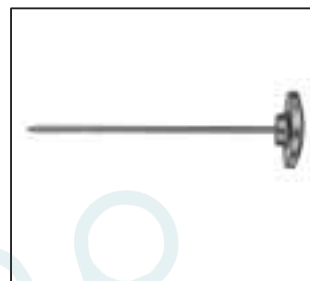
PEDIATRIC



EJ672R Trocar Cannula with removable suture fixation, 2.5 mm diam., 4 cm length

EJ675R Triangular Obturator

EJ676R Blunt Conical Obturator



EJ670R Trocar Body including insufflation ring with cap, flap valve and sealing cap

TROCAR SPARE PARTS

EJ570P Silicone Flap Valve, 20/pkg.

EJ670202 Sealing Cap, 2.5 mm

EJ700250 Trocar Ring w/o insufflation

EJ700251 Trocar Ring w/insufflation

EJ751251 Insufflation Port Cap, 20/pkg.

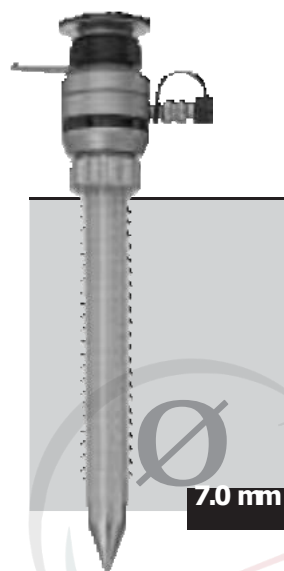
EJ700800 Insufflation Ring with Cap

Flexible Trocars

Complete trocar -100 mm length with valve and obturator



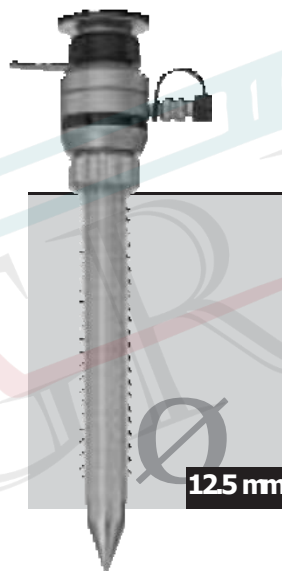
- Shaft sufficiently flexible to permit insertion of curved instruments and sufficiently firm to ensure access to the operation area
- For the use of curved instruments or special mouth shapes
- Trocar shaft in two different diameters and two different lengths



EJ800R

Complete Trocar

Includes: Obturator, Cannula and Trocar Body, 7 mm x 100 mm



EJ590R

Complete Trocar

Includes: Obturator, Cannula and Trocar Body, 12.5 mm x 100 mm



EJ804P Flexible Cannula, 7 mm x 75 mm

EJ806P Flexible Cannula, 7 mm x 100 mm

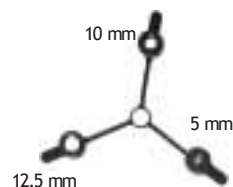
EJ824P Flexible Cannula, 12.5 mm x 75 mm

EJ826P Flexible Cannula, 12.5 mm x 100 mm



EJ801R

Trocar Body, 7 mm



EJ641P

Reducing Converter



EJ805R Obturator, 7 mm x 75 mm

EJ807R Obturator, 7 mm x 100 mm



Video Systems



VIDEO
SYSTEMS

David Cameras

NTSC DAVID THREE-CHIP CAMERA



TECHNICAL DATA

Chip	3x 1/2" Micro-lens-on-chip technology
Resolution Horizontal	>800 Lines
Signal-To-Noise Ratio	62 dB
Min. Light Sensitivity	0.4 Lux
Scope Optimization "mode"	Laparoscopy (High), Arthroscopy (Medium), Neuroendoscopy (Low)
Gain Function	Automatic
Video Outputs	1 RGB, 1 Composite Video, 2 SVHS, 1 SDI, 1 Remote Control
Dimensions (w x h x d)	12" x 3" x 12" (305 x 89 x 305 mm)
Weight CCU	10 lbs. (4.5 kg)
Camera Head Weight	3.9 oz. (113 g)

ITEM NO. DESCRIPTION

PV422 **NTSC DAVID3 Three-Chip Camera**

Consisting of:

Camera Control Unit

PV423 Camera Head and Cable, 3 m

PV963 SVHS Connecting Cable, 2 m

SYSTEM ACCESSORIES

PV122S	Endocoupler, f=25-50 mm, focusable
PV123S	Endocoupler, f = 30 mm, focusable
PV967	Remote Control Cable, for use with a Sony VCR/Videoprinter
PV416	RGB-RGB Cable (for connecting RGB videoprinter monitor), 2 m
PV424	RGB Connecting Cable, 1.8 m
US735	Power Cord

Light Sources

AXeL 180 XENON LIGHTSOURCE



TECHNICAL DATA

Lamp	Xenon
Lamp Power	180 W
Lamp Voltage	15 V/12.0A
Light Intensity	Continuously Adjustable
Color Temperature	Approx. 6000 K
Dimensions (w x h x d)	12" x 5" x 12" (305 x 125 x 305 mm)
Weight	17 lbs., 17 oz. (6.5 kg)

ITEM NO.

DESCRIPTION

OP930 **AXeL Xenon Lightsource (180 W)**

Consisting of:

OP931	Xenon Lamp, 15V, 180 W
OP935	Standard Adapter, Aesculap

SYSTEM ACCESSORIES

OP936	Wolf LIGHT SOURCE Adapter
OP937	Olympus Lightsource Adapter
OP938	Circon ACMI Lightsource Adapter
OP913	Light Guide Cable, diameter: 5 mm, length: 250 cm (8.2 ft.) with additional bending protection
OP931	Xenon Spare Lamp

Light Cables

AESCULAP LIGHT CABLES and ADAPTERS

Light Cable Ordering Information

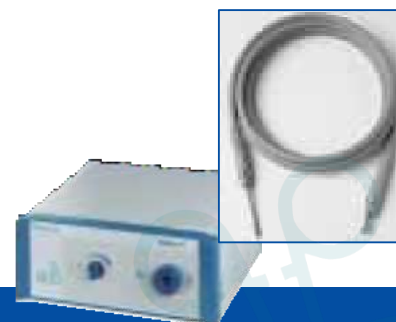
- Follow these steps to use the table below to identify the appropriate light cable:

Step 1 - Select your light source from the horizontal column.

Step 2 - Select your scope from the vertical column.

Step 3 - The box where they meet represents the appropriate light cable.

(Example: Using an Aesculap light source and an Aesculap scope - Order MB111)



IF YOUR LIGHT SOURCE (LS) IS FROM:

YOUR SCOPE (S) IS FROM	AESCULAP / STORZ	OLYMPUS	CIRCON/ACMI	STRYKER	WOLF/DYONICS
	Light cable: MB111 • AESCULAP LS • AESCULAP S	Light cable: MB112 • OLYMPUS LS • AESCULAP S	Light cable: MB113 • CIRCON LS • AESCULAP S	Light cable: MB114 • STRYKER LS • AESCULAP S	Light cable: MB115 • WOLF LS • AESCULAP S
	Light cable: MB121 • AESCULAP LS • OLYMPUS S	Light cable: MB122 • OLYMPUS LS • OLYMPUS S	Light cable: MB123 • CIRCON LS • OLYMPUS S	Light cable: MB124 • STRYKER LS • OLYMPUS S	Light cable: MB125 • WOLF LS • OLYMPUS S
	Light cable: MB131 • AESCULAP LS • CIRCON S	Light cable: MB132 • OLYMPUS LS • CIRCON S	Light cable: MB133 • CIRCON LS • CIRCON S	Light cable: MB134 • STRYKER LS • CIRCON S	Light cable: MB135 • WOLF LS • CIRCON S
	Light cable: MB151 • AESCULAP LS • WOLF S	Light cable: MB152 • OLYMPUS LS • WOLF S	Light cable: MB153 • CIRCON LS • WOLF S	Light cable: MB154 • STRYKER LS • WOLF S	Light cable: MB155 • WOLF LS • WOLF S

- The universal light cable and all adapters can also be ordered separately

MB100 Universal light cable with no end fittings, Light fiber bundle: 5 mm, Length: 10 ft.

MB001 Aesculap / Storz adapter for light cable (LS end)

MB002 Olympus adapter for light cable (LS end)

MB003 Circon / ACMI adapter for light cable (LS end)

MB004 Stryker adapter for light cable (LS end)

MB005 Wolf/Dyonics adapter for light cable (LS end)

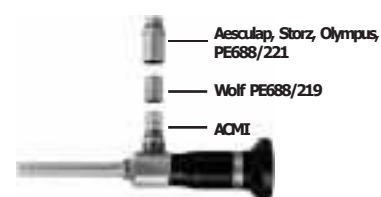
MB010 Aesculap / Storz / Olympus adapter for light cable (S end)

MB030 Circon / ACMI / Stryker adapter for light cable (S end)

MB050 Wolf/Dyonics adapter for light cable (S end)

OP917 Light cable tester

Adapters for light guide



Accessories

MONITORS and VIDEO ACCESSORIES



ITEM NO.	DESCRIPTION
PV925U	20" CRT Monitor including power cord, splash cover, control panel
MB019	21" Medical Grade LCD Monitor
MB027	Stand for 21" LCD Monitor
PV913U	SVHS Video recorder (NTSC) with power cord
MB036	nStream SingleStream Digital Video Recorder
MB007	Foot Switch for nStream SingleStream Digital Video Recorder
MB009	Medical Video Producer Software
MB037	DVD's (100 pack) for nStream SingleStream Digital Video Recorder
MB028	Color Video Printer with USB Digital Capture Capability
MB029	Media Print Pack for Color Video Printer with USB Digital Capture Capability
MB011	Video Cart, 5 Shelves with Door for CRT
MB031	LCD Post Mount for MB011
MB017	Video Cart, 5 Shelves with Door and LCD Post



Miscellaneous

Miscellaneous

REUSABLE SUCTION IRRIGATION SYSTEMS



GF320R Suction Tube

With Luer-Lock connection and finger valve. Can be used with Y-connector, SK330C, 5 mm diam., 33 cm length.

GF321R Suction/Irrigation Tube

With Luer-Lock connection. Can be used with Y-connector, SK330C, 5 mm diam., 33 cm length.



SK330C Y-Connector

For suction and irrigation in connection with SR550R, SR551R, SR552R, SR553R, GF320R and GF321R



GK633R Bipolar Coagulation Suction and Irrigation Tube

Insulated, 5 mm diam., 41 cm length. Can be disassembled.



SR550R Puncture Needle

With Luer-Lock connection and finger valve, 5 mm diam., 33 cm length

SR551R Injection Cannula, Sharp

With Luer-Lock connection, 5 mm diam., 33 cm length

SR553R Injection Cannula, Sharp

With Luer-Lock connection, 5 mm diam., 45 cm length

Miscellaneous

LIGATURE INSTRUMENTS



PL650R
Loop Applier

Outside diam. -5 mm
Inside diam. -4.4 mm

PL650/250
Loop Applier Sealing Cap

20/pkg.



PL162R
Fascia Port-Closure Instrument 2.7 mm diam., 15.2 cm length

ADDITIONAL ITEMS



PL430R
Myoma Fixation Screw 5 mm diam., 31 cm length



PL100R
Cholangiography Clamp with Catheter Guide (Maximum catheter diameter-5 French),
ratcheted, 5 mm diam., 33 cm length

PL401230
Sealing Cap for PL100R 20/pkg.



BV941R
Gall Bladder Extractor Three-blade design, 55 mm blade length.
Use with 10 mm trocars.

Miscellaneous

ADDITIONAL ITEMS



BN320R
Exploratory Probe 5 mm diam., 40 cm length

BN321R
Exploratory Probe 5 mm diam., 50 cm length



1/2

PL406R Anvil Grasper, 10 mm, 37 cm

LUBRICANTS



JG598
Aesculap Instrument Oil
For box locks, ratchets, etc.
Physiologically inert.



JG600
Aesculap Oil Spray
For maintenance of instruments prior to sterilization
Physiologically inert.

ENDOSCOPY TRAYS and BASKETS*



JF436R
Single Scope Tray, 10"
Two fit securely into
a Quarter Size container



JF432R or JF433R
Double Scope Tray, 17", with or without silicone supports
Fits into a full size basket
17½" long x 3¾" wide x 1⅜" deep

* For additional sterilization and storage products please contact Customer Service at 800-282-9000 - Request SterilContainer™ System catalog, DOC132