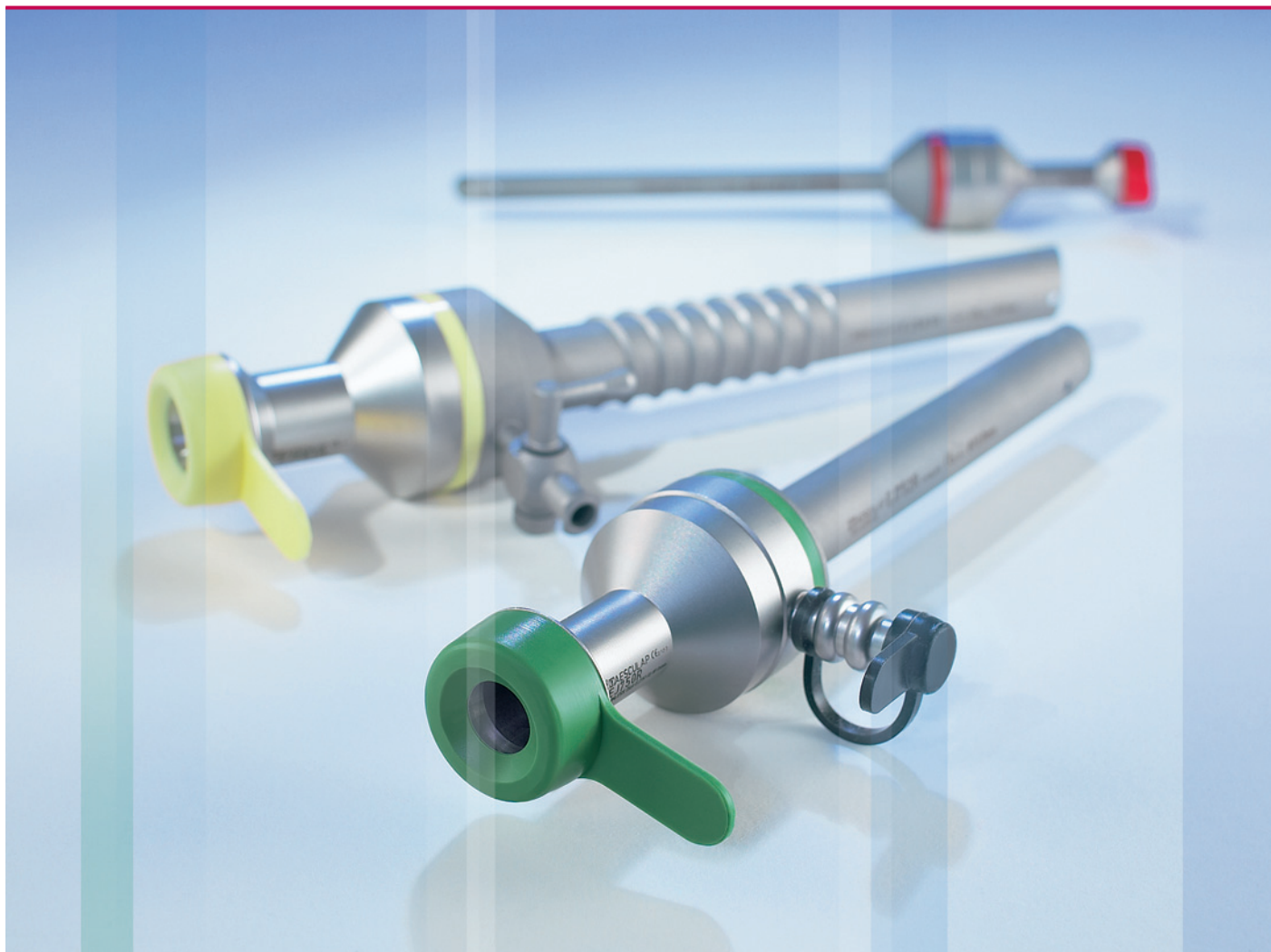


Aesculap Endoscopic Technology

MIT-System

Multi Interchangeable Trocar-System



MIT-System

In the development of the trocar, Aesculap has paid particular attention to the aspects most criticized by the users:

- High instrument friction,
- Damage to the instrument surfaces or the endoscope and instrument tips,
- No permanent CO₂-seal,
- Cost-efficiency considerations

Our trocar line has taken all these aspects into consideration and has combined them to give a product which meets the market requirements.

A resterilizable silicone flap valve is the centrepiece of these trocars.

Standard assembling

Trocar complete 110 mm length
(Without obturator)

5.5 mm

EJ701R

10 mm

EJ751R

13 mm

EJ580R

with insufflation
connection





Product range

On page 2 you see an appropriate Aesculap standard product for each trocar diameter. If this suggestion does not match your personal requirements, you can choose the various components separately: trocar body, trocar shaft and obturator.

Modular design

The modular design ensures individuality and compatibility of the individual components.

- Reusability
- Economical
- Compatible
- Colour Coded



- Easy to handle assembly/disassembly
- Safe and simple cleaning
- Very easy to repair
- Parts easily replaced
- Timesaving



Silicone flat valve

- No instrument friction
- No damage to telescope and instrument tips
- Safe CO₂ seal

Manual flat valve

- Trocar body with manual opening mechanism for 5 and 10 mm trocars
- Compatible to all rigid trocar shafts
- High functional reliability in the recovery of resected materials
- No jamming of the instrument tip

Trocar shaft (Plastic, with thread)

Length: mm

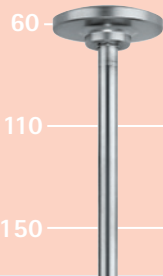


EJ704R

EJ714P

Triangular Obturator

Length: mm



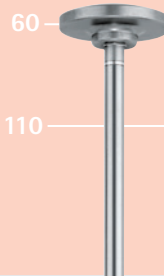
EJ705R

EJ715R

EJ725R

Conical Obturator (Sharp)

Length: mm

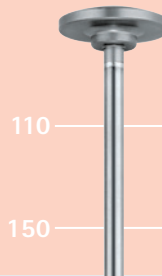


EJ706R

EJ716R

Conical Obturator (Blunt)

Length: mm



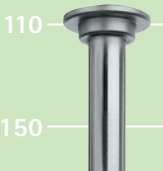
EJ718R

EJ720R



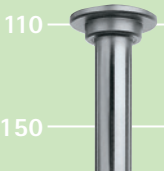
EJ754P

EJ764P



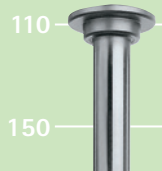
EJ755R

EJ765R



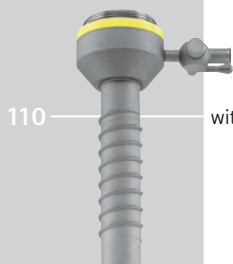
EJ756R

EJ766R

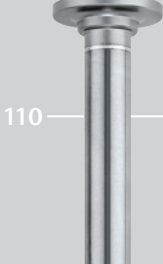


EJ558R

EJ568R



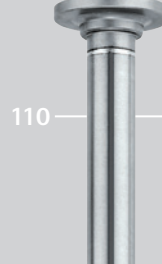
EJ585R
with insufflation
connection



EJ586R



EJ587R



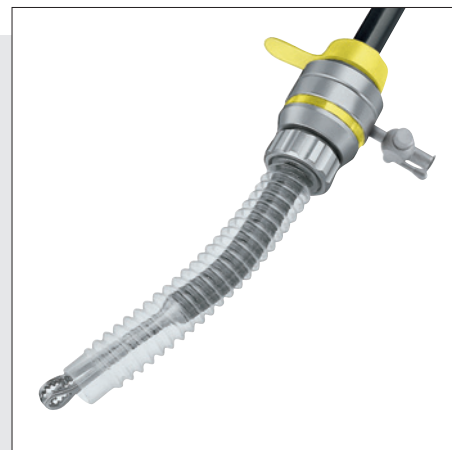
EJ588R



Flexible Trocars for curved instruments and for special jaw types

Laparoscopy Trocar complete 100 mm length (With valve and obturator)

- Both sufficiently flexible to permit insertion of curved instruments and sufficiently firm to ensure access to the operation area
- Trocar shaft in two different diameters:
 - 7 mm for use of 5 mm instruments
 - 13 mm for use of 10 mm instruments and endoscopes

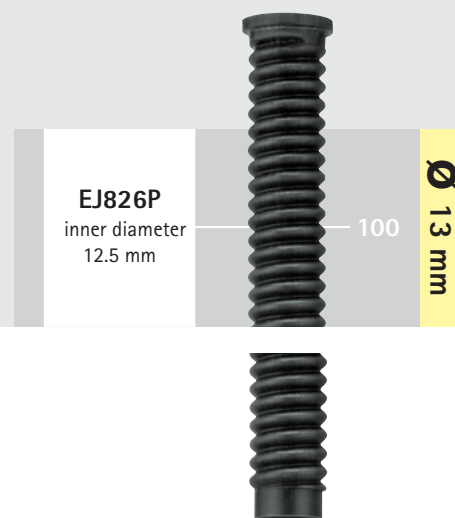
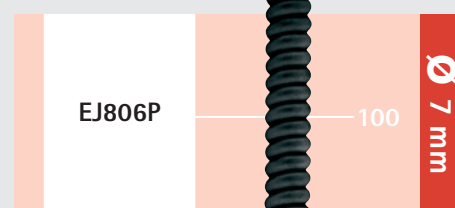


Trocar shaft
(Package of 3 pcs.)

Length: mm

Ø 7 mm	Ø 13 mm
EJ800R	EJ590R

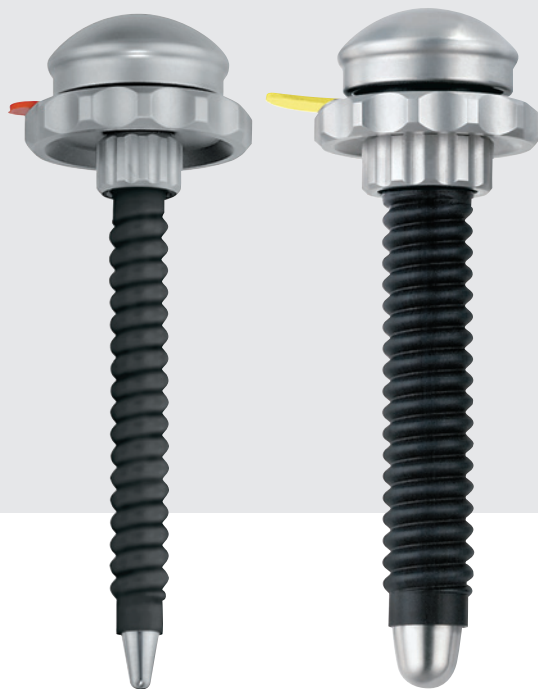
including
sealing cap set EJ642P





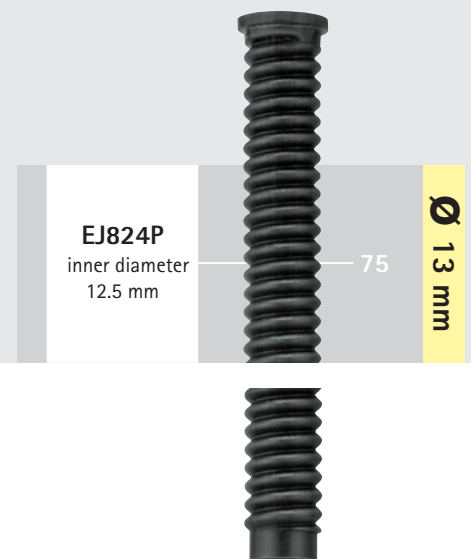
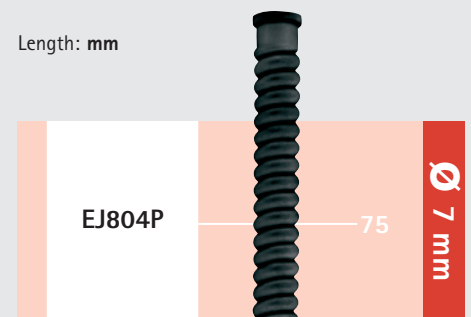
Thoracoscopy Trocar complete 75 mm length (Without valve, with obturator)

Ø 7 mm	Ø 13 mm
EJ830R	EJ595R



Trocar shaft (Package of 3 pcs.)

Length: mm



Trocar for the Mini Laparotomy (HASSON technique)

Trocar complete 100 mm length

(with blunt obturator)

Ø 10 mm



EJ441R

- Introduction of first trocar under direct vision
- To be used with a blunt obturator
- Conical attachment ensures air tight closure of the mini-incision
- Used with patients who have had prior abdominal surgical procedures, and may have tissue adhering to the walls of the abdomen

Trocar body only

Conical attachment

Ø 10 mm



EJ750R



EJ430R

Trocar shaft

Obturator, blunt

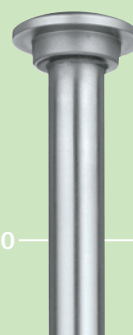
Ø 10 mm

100



EJ432R

100



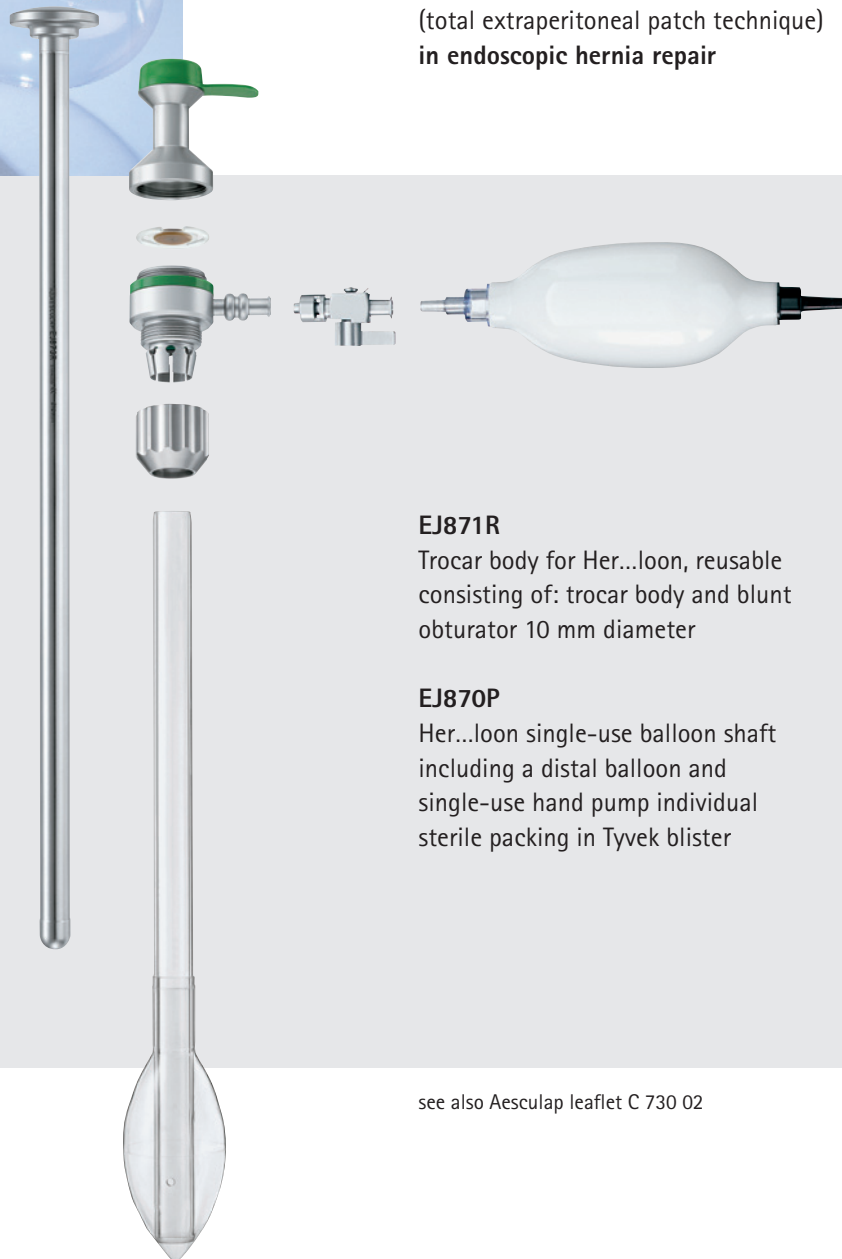
EJ433R



Do you know Her...loon?

her...loon

For the TEP technique
(total extraperitoneal patch technique)
in endoscopic hernia repair



EJ871R

Trocar body for Her...loon, reusable
consisting of: trocar body and blunt
obturator 10 mm diameter

EJ870P

Her...loon single-use balloon shaft
including a distal balloon and
single-use hand pump individual
sterile packing in Tyvek blister

see also Aesculap leaflet C 730 02

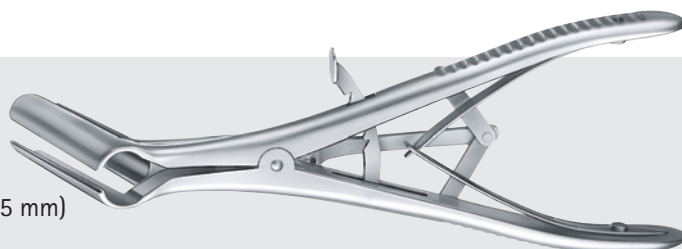


Additional Instruments

BV941R

Gall bladder extractor
with 3 blades (blade length: 55 mm)

- For use with a 10 mm trocar
- For assisting the recovery process
- Extends the abdominal access



EJ475

Recovery trocar complete
(includes triangular and conical obturator)

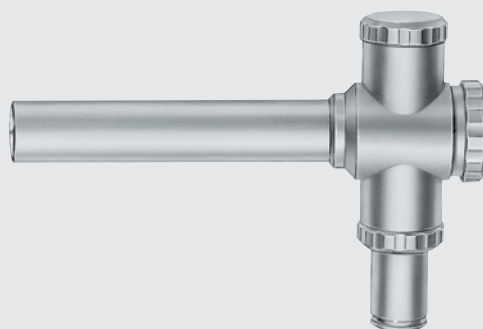
110 mm length, diam. 20 mm

EJ475/811

Triangular obturator

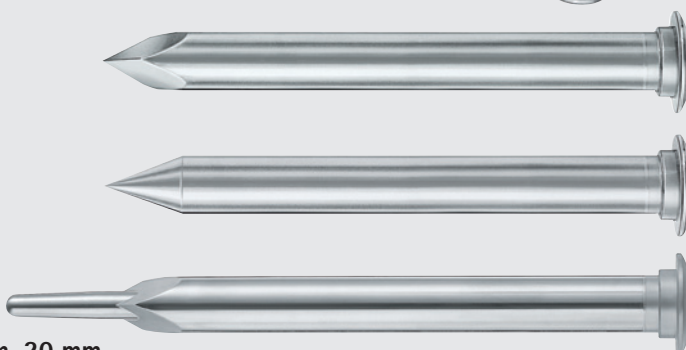
EJ475/812

Conical obturator



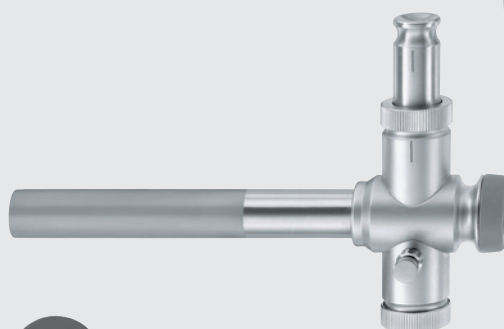
EJ794R

Dilatation obturator,
225 mm length, diam. 20 mm



EJ474R

Trocar with trumpet valve
110 mm length, diam. 15 mm



EJ473P

Sealing cap for trocar EJ474
(20 pcs.)



EJ504R

Conical obturator, diam. 15 mm




EJ793R

Dilatation obturator,
215 mm length, diam. 15 mm

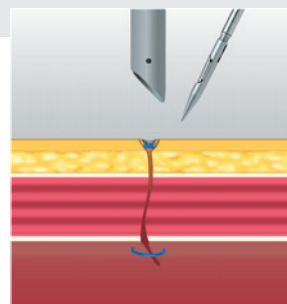
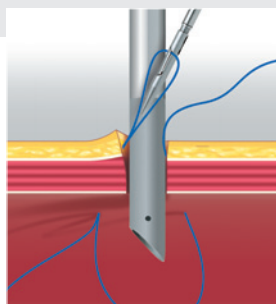
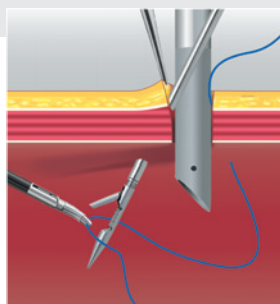
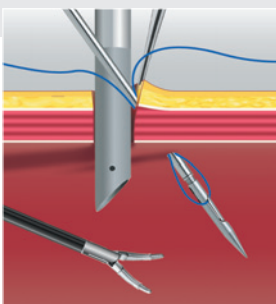
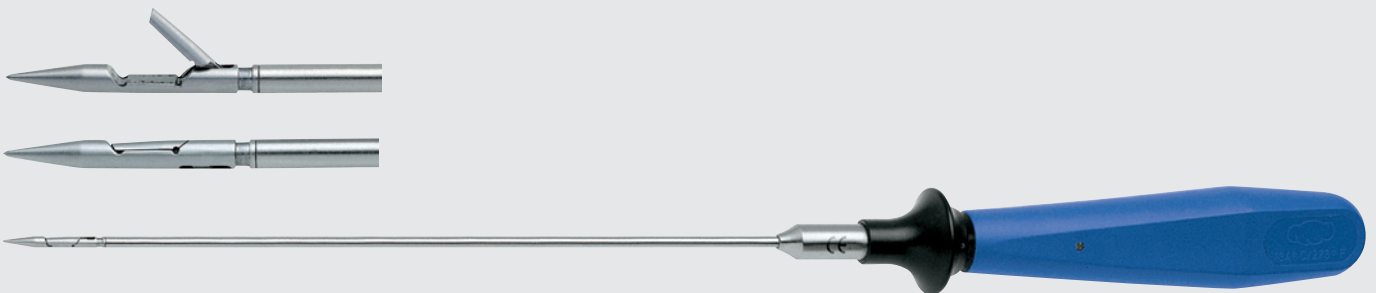





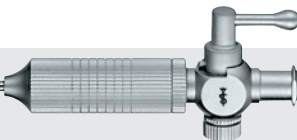
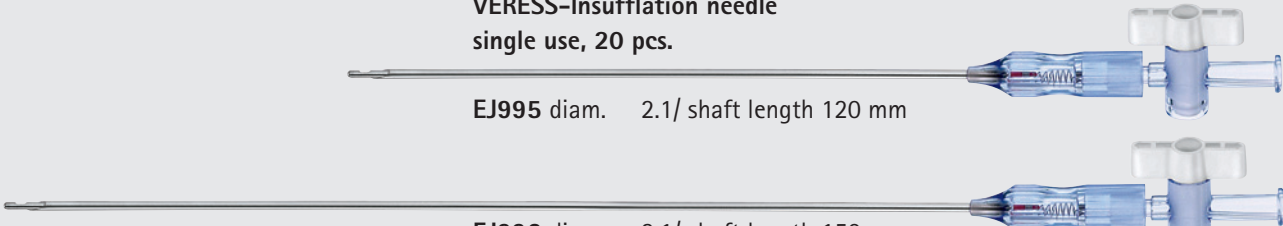

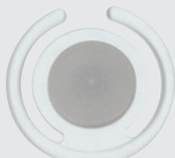






Dilatation set	from diam.	← →	to diam.	Sealing cap 
EJ477R	5.5 mm		10.0 mm	EJ477250 20 pcs.
EJ482R	10.0 mm		15.5 mm	EJ021P 10 pcs.
EJ480R	10.0 mm		20.0 mm	EJ480250 10 pcs.

PL162R Fascial suture instrument 170 mm length, diam. 2.5 mm

for subcutaneous closure of trocar incisions. Prevents the risk of postoperative hernias when using 10 mm trocars or bigger.



Spare Parts and Accessories

	<p>VERESS-Insufflation needle PG003 diam. 2.1/ shaft length 100 mm PG008 diam. 2.1/ shaft length 120 mm PG0011 diam. 2.1/ shaft length 150 mm</p>																	
	<p>VERESS-Insufflation needle single use, 20 pcs.</p> <p>EJ995 diam. 2.1/ shaft length 120 mm</p> <p>EJ996 diam. 2.1/ shaft length 150 mm</p>																	
	<p>Silicone flap valve EJ570P diam. 5.5 – 7.0 mm à 20 pcs. EJ571P diam. 10.0 – 12.5 mm à 20 pcs. EJ572P diam. 13.0 mm à 20 pcs.</p>																	
	<p>Adapter ring with insufflation connection EJ700/251 diam. 5.5 / 7.0 mm EJ750/251 diam. 10.0 / 12.5 mm</p>																	
	<p>Adapter ring with stop-cock EJ651R diam. 5.5 EJ650R diam. 10.0 / 12.5 mm</p>																	
	<p>Adapter ring without insufflation connection EJ700/250 diam. 5.5 / 7.0 mm EJ750/250 diam. 10.0 / 12.5 mm</p>																	
	<p>Metal tap SK271C</p>																	
	<p>Sealing cap Luer-Lock EJ751/251 à 20 pcs.</p>																	
	<p>Colour coding ring, 20 pcs.</p> <table><tr><td>EJ702/250</td><td>red</td><td>diam.</td><td>5.5 mm</td></tr><tr><td>EJ752/250</td><td>green</td><td>diam.</td><td>10.0 mm</td></tr><tr><td>EJ772/250</td><td>black</td><td>diam.</td><td>12.5 mm</td></tr><tr><td>EJ644P</td><td>yellow</td><td>diam.</td><td>13.0 mm</td></tr></table>	EJ702/250	red	diam.	5.5 mm	EJ752/250	green	diam.	10.0 mm	EJ772/250	black	diam.	12.5 mm	EJ644P	yellow	diam.	13.0 mm	
EJ702/250	red	diam.	5.5 mm															
EJ752/250	green	diam.	10.0 mm															
EJ772/250	black	diam.	12.5 mm															
EJ644P	yellow	diam.	13.0 mm															



Reducing sleeves	Working length	diam.	Guide	Sealing cap	
PL650R	150 mm	5 mm	4 mm	PL650/250	20 pcs.
EJ601R	165 mm	10 mm	5.5 mm	EJ601/250	20 pcs.
EJ602R	165 mm	13.0 mm	5.5 mm	EJ646P	20 pcs.
EJ604R	165 mm	13.0 mm	10 mm	EJ645P	20 pcs.
EJ609R	165 mm	15 mm	10 mm	EJ021P	10 pcs.
EJ614R	190 mm	20 mm	10 mm	EJ624P	10 pcs.

Sealing cap, à 20 pcs.



EJ446/255, diam. 5.5 mm



EJ449/255, diam. 10.0 mm



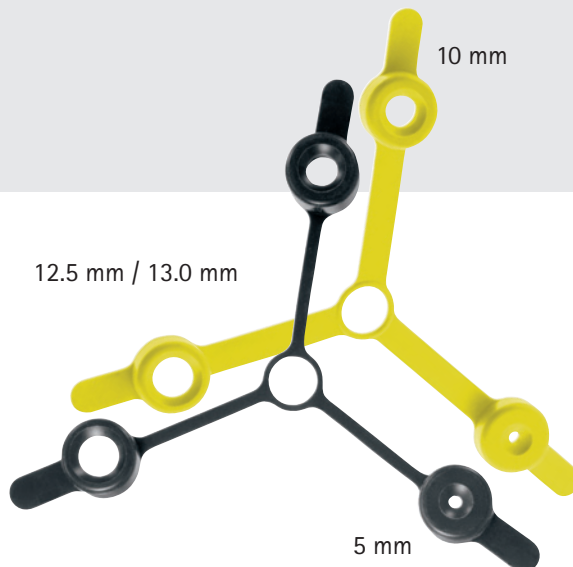
EJ450/255, diam. 12.5 mm



EJ643P, diam. 13.0 mm

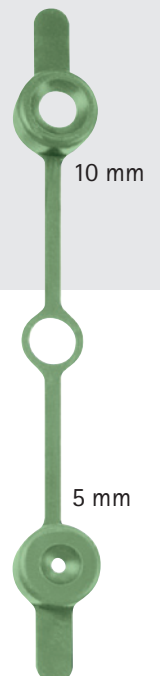
Sealing cap set, à 5 pcs.

EJ641P (black) for diam. 5 mm / 10 mm / 12.5 mm
EJ642P (yellow) for diam. 5 mm / 10 mm / 13 mm



Sealing cap set, à 5 pcs.

EJ640P for diam. 5 mm / 10 mm



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