



LAPAROSCOPY

# AESCULAP<sup>®</sup> MIT-SYSTEM

MULTI INTERCHANGEABLE TROCAR-SYSTEM

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MULTI INTERCHANGEABLE TROCAR-SYSTEM

## PRODUCT RANGE

The AESFULAP<sup>®</sup> MIT Trocar System offers a standard trocar configuration for each diameter. If this suggestion does not match your personal requirements, you can choose the various components separately: trocar body, trocar shaft and obturator on the following pages.

## MODULAR DESIGN

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

- Reusable
- Economical
- Compatible
- Colour coded
- Easy assembly/disassembly
- Parts can be easily replaced



# STANDARD TROCAR CONFIGURATION

## RIGID TROCARS WITH SILICONE FLAP VALVE

Ø 5.5 mm

EJ701R

Trocar complete  
(without obturator)

Length: 110 mm



Ø 10 mm

EJ751R

Trocar complete  
with insuflation connection  
(without obturator)

Length: 110 mm



Ø 13 mm

EJ580R

Trocar complete  
(without obturator)

Length: 110 mm



### SILICONE FLAP VALVE

- Less instrument friction
- No damage to telescope and instrument tips
- Safe CO<sub>2</sub> seal

# AESCULAP® MIT-System

MULTI INTERCHANGEABLE TROCAR-SYSTEM

Ø 5 mm



## SILICONE FLAP VALVE

- Less instrument friction
- No damage to telescope and instrument tips
- Safe CO<sub>2</sub> seal



## MANUAL FLAP VALVE

- Trocar body with manual opening mechanism for 5 and 10 mm trocars
- Compatible to all rigid trocar shafts
- Functional reliability in the removal of resected materials

## TROCAR BODY



### EJ700R

Standard trocar body  
diam. 5 mm

1 piece

for 5 mm instruments



### EJ710R

Special trocar body (manual opening)  
diam. 5 mm

1 piece

for 5 mm instruments

# INDIVIDUAL TROCAR CONFIGURATION

## TROCAR SHAFT

stainless steel



**EJ702R**

smooth  
60 mm

**EJ712R**

smooth  
110 mm

**EJ722R**

smooth  
150 mm



**EJ703R**

with thread  
60 mm

**EK015R**

with thread  
110 mm

plastic, black



**EJ704P**

with thread  
60 mm

**EJ714P**

with thread  
110 mm

## OBTURATOR



**EJ705R**

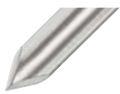
triangular  
60 mm

**EJ715R**

triangular  
110 mm

**EJ725R**

triangular  
150 mm

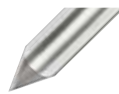


**EJ706R**

conical sharp  
60 mm

**EJ716R**

conical sharp  
110 mm

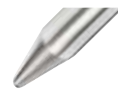


**EJ718R**

conical blunt  
110 mm

**EJ720R**

conical blunt  
150 mm



# AESFULAP<sup>®</sup> MIT-System

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Ø 10 mm



## SILICONE FLAP VALVE

- Less instrument friction
- No damage to telescope and instrument tips
- Safe CO<sub>2</sub> seal



## MANUAL FLAP VALVE

- Trocar body with manual opening mechanism for 5 and 10 mm trocars
- Compatible to all rigid trocar shafts
- Functional reliability in the removal of resected materials

## TROCAR BODY



### EJ750R

Standard trocar body  
diam. 10 mm

1 piece

for 10 mm instruments



### EJ760R

Special trocar body (manual opening)  
diam. 10 mm

1 piece

for 10 mm instruments

# INDIVIDUAL TROCAR CONFIGURATION

## TROCAR SHAFT

stainless steel

plastic, black

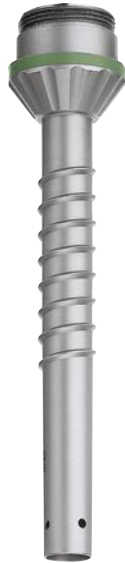


**EJ752R**

smooth  
110 mm

**EJ762R**

smooth  
150 mm



**EJ753R**

with thread  
110 mm



**EJ754P**

with thread  
110 mm

**EJ764P**

with thread  
150 mm

## OBTURATOR



**EJ775R**

triangular  
110 mm

**EJ765R**

triangular  
150 mm



**EJ756R**

conical sharp  
110 mm

**EJ766R**

conical sharp  
150 mm



**EJ558R**

conical blunt  
110 mm

**EJ568R**

conical blunt  
150 mm

# AESCULAP® MIT-System

MULTI INTERCHANGEABLE TROCAR-SYSTEM

Ø 13 mm



Rigid trocars with silicone flap valve

- Less instrument friction
- No damage to telescope and instrument tips
- Safe CO<sub>2</sub> seal



## SILICONE FLAP VALVE

- Less instrument friction
- No damage to telescope and instrument tips
- Safe CO<sub>2</sub> seal

## TROCAR BODY



### EJ581R

Standard trocar body  
diam. 13 mm

1 piece

for 12.5 mm instruments



# INDIVIDUAL TROCAR CONFIGURATION

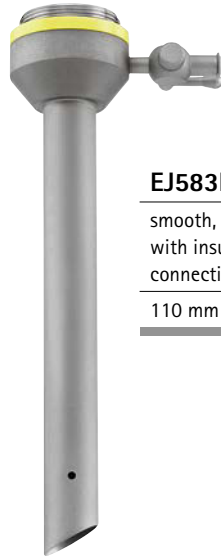
## TROCAR SHAFT

stainless steel



**EJ582R**

smooth  
110 mm



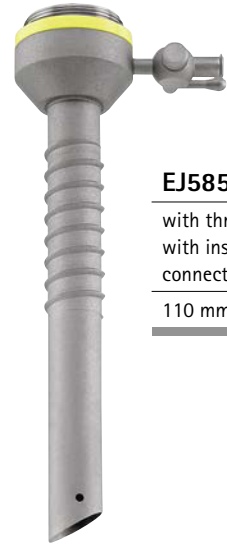
**EJ583R**

smooth,  
with insufflation  
connection  
110 mm



**EJ584R**

with thread  
110 mm



**EJ585R**

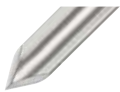
with thread,  
with insufflation  
connection  
110 mm

## OBTURATOR



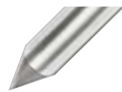
**EJ586R**

triangular  
110 mm



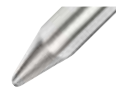
**EJ587R**

conical sharp  
110 mm



**EJ588R**

conical blunt  
110 mm



# 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 complete 110 mm length  
(without obturator)

Ø 7 mm

EJ800R

Ø 13 mm

EJ590R  
(including sealing cap  
set EJ642P)



Trocar shaft  
(pack of 3 pcs.)

Ø 7 mm

EJ806P  
100 mm length

Ø 13 mm

EJ826P  
inner diameter 12.5 mm  
100 m length



## THORACOSCOPY TROCAR COMPLETE

75 mm length

(without valve, with obturator)

Trocar complete 75 mm length  
(without obturator)

Ø 7 mm

EJ830R

Ø 13 mm

EJ595R



Trocar shaft  
(pack of 3 pcs.)

Ø 7 mm

EJ804P

75 mm length

Ø 13 mm

EJ824P

inner diameter 12.5 mm

75 m length



# Trocar for Mini Laparotomy (HASSON technique)

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

Trocar complete 110 mm length  
(without blunt obturator)

Ø 10 mm

EJ441R



Trocar body only  
(with insufflation ring)

Ø 10 mm

EJ750R



Conical attachment

Ø 10 mm

EJ430R



Trocar shaft only

Ø 10 mm

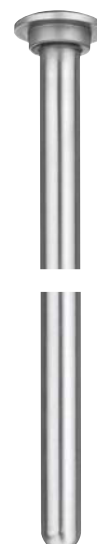
EJ432R



Obturator only (blunt)

Ø 10 mm

EJ433R



# Herloon® Trocar for Endoscopic Hernia Repair (TEP technique)

Herloon® for the total extraperitoneal patch technique (TEP) in endoscopic hernia repair

## COMPONENT 1:

Reusable Herloon® trocar body including a blunt trocar pin

## COMPONENT 2:

Single-use Herloon® balloon shaft with hand pump



Herloon® trocar body only with blunt obturator, reusable

Ø 10 mm

EJ871R

consisting of:

EJ872R: trocar body only

EJ873R: blunt obturator, length: 300 mm



Herloon® balloon shaft only single use

Ø 10 mm

EJ870P

consisting of:

shaft with distal balloon and hand pump, individual sterile packaging, pack of 10 pieces





Stopcock for trocar body

SK271C

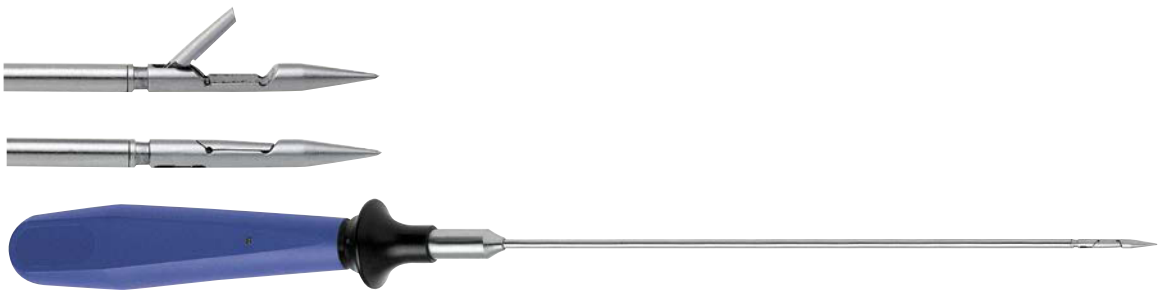

(to be ordered separately)

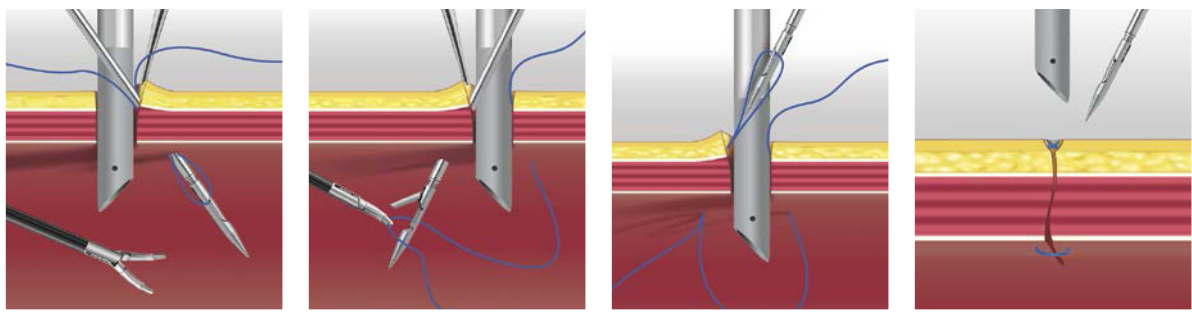


# Additional Instruments




Order number	Description	Diameter	Length
BV941R	<p>Gall bladder extractor with 3 blades (blade length: 55 mm)</p> <ul style="list-style-type: none"> <li>▪ For use with a 10 mm trocar</li> <li>▪ For assisting the recovery process</li> <li>▪ Extends the abdominal access</li> </ul>		
EJ475	<p>Removal trocar complete (includes triangular and conical obturator)</p>		
EJ475811 (triangular obturator)		20 mm	110 mm
EJ475812 (conical, sharp obturator)		20 mm	110 mm

Order number	Description	from Diameter	↔	to Diameter	Sealing caps
<b>Dilatation Set</b>					
					
EJ477R		5.5 mm		10 mm	 EJ477250 Pack of 20 pcs.
EJ480R		10 mm		20 mm	 EJ480250 Pack of 20 pcs.
EJ482R		10 mm		15 mm	 EJ021200 Pack of 1 pcs.

Order number	Description	Diameter	Length
PL162R	Fascial suture instrument for subcutaneous closure of trocar incisions. Reduces the risk of postoperative hernias when using 10 mm trocars or bigger.	2.5 mm	170 mm
			
PL163R	Shaft only for PL162R consisting of: outer tube, inner tube and jaw insert		
			



# Spare Parts and Accessories





Order number	Description	Diameter	Shaft length
PG003	VERESS-Insufflation needle	2.1 mm	100 mm
PG008		2.1 mm	120 mm
PG011		2.1 mm	150 mm
EJ995	VERESS-Insufflation needle single use, pack of 20 pcs.	2.1 mm	120 mm
			
EJ996	VERESS-Insufflation needle single use, pack of 20 pcs.	2.1 mm	150 mm
			
EJ570P	Silicone flap valve pack of 20 pcs.	5.5 / 7.0 mm	
EJ571P		10.0 / 12.5 mm	
EJ572P		13.0 mm	
EJ700251	Adapter ring with insufflation connection	5.5 / 7.0 mm	
EJ750251		10.0 / 12.5 mm	
EJ651R	Adapter ring with stopcock	5.5 mm	
EJ650R		10.0 / 12.5 mm	
EJ700250	Adapter ring without insufflation connection	5.5 / 7.0 mm	
EJ750250		10.0 / 12.5 mm	
SK271C	Metal stopcock		
EJ751251	Sealing cap Luer-Lock, pack of 20 pcs.		
EJ702250 red	Colour coding ring, pack of 20 pcs.	5.5 mm	
EJ752250 green		10.0 mm	
EJ772250 black		12.5 mm	
EJ644P yellow		13.0 mm	



Reducing sleeves	Working length	Diameter	Guide	Sealing caps
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PL650R	150 mm	5 mm	4 mm	PL650250	Pack of 20 pcs.
EJ601R	165 mm	10 mm	5.5 mm	EJ601250	Pack of 20 pcs.
EJ602R	165 mm	13 mm	5.5 mm	EJ602203	Pack of 1 pc.
EJ604R	165 mm	13 mm	10 mm	EJ645P	Pack of 20 pcs.
EJ614R	190 mm	20 mm	10 mm	EJ624P	Pack of 10 pcs.

Order number	Description		Diameter
EJ446255	Sealing cap, pack of 20 pcs.		5.5 mm
EJ449255			10.0 mm
EJ450255			12.5 mm
EJ643P			13.0 mm

Sealing cap set, pack of 5 pcs.

**EJ640P**

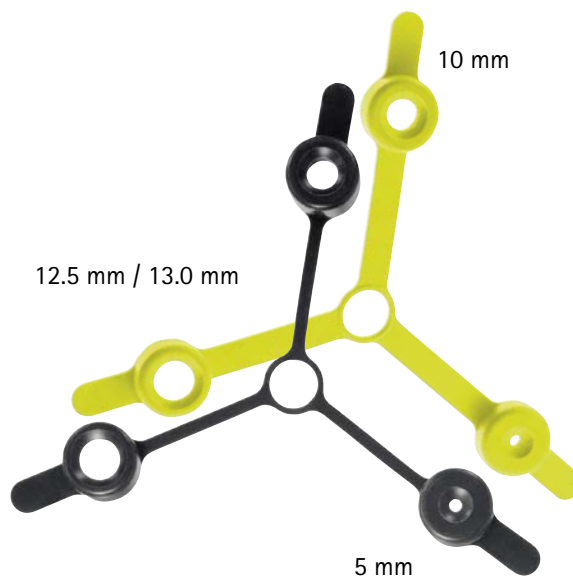
(green) for diam.  
5 mm / 10 mm

**EJ641P**

(black) for diam.  
5 mm / 10 mm / 12.5 mm

**EJ642P**

(yellow) for diam.  
5 mm / 10 mm / 13 mm



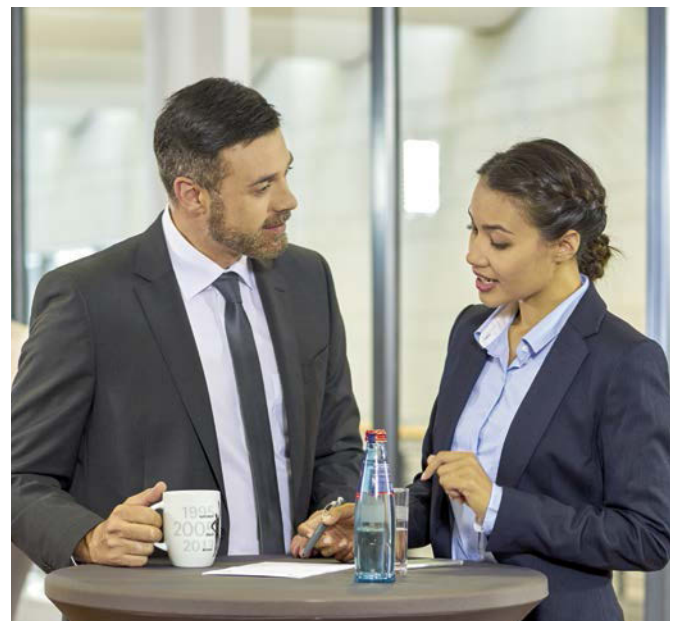


# DIALOG – DEDICATED TO LIFE.

The Aesculap Academy is one of the leading medical education forums for everyone who is professionally, passionately and ambitiously committed to people's health. To those medical professionals we offer top quality knowledge transfer based on globally recognized quality criteria using innovative methods and technologies. We share our pursuit of excellence in healthcare with our course participants and partners. We offer teaching for anyone who strives to protect life and health as well as they possibly can.

The Aesculap Academy has its roots in the company B. Braun, which has been protecting and improving people's health for more than 175 years. With our courses, hands-on trainings and symposia we help to honor our parent company's promise of SHARING EXPERTISE.

The courses at the Aesculap Academy offer participants who want to continue to learn in an inspiring environment knowledge transfer and teaching that are adapted to real life: lifelong learning, true-to-life training situations and realistic content for a better life for patients and medical staff. But it is even more: it is an open and constructive dialog – dedicated to life.



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# AESCULAP<sup>®</sup> – a B. Braun brand

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