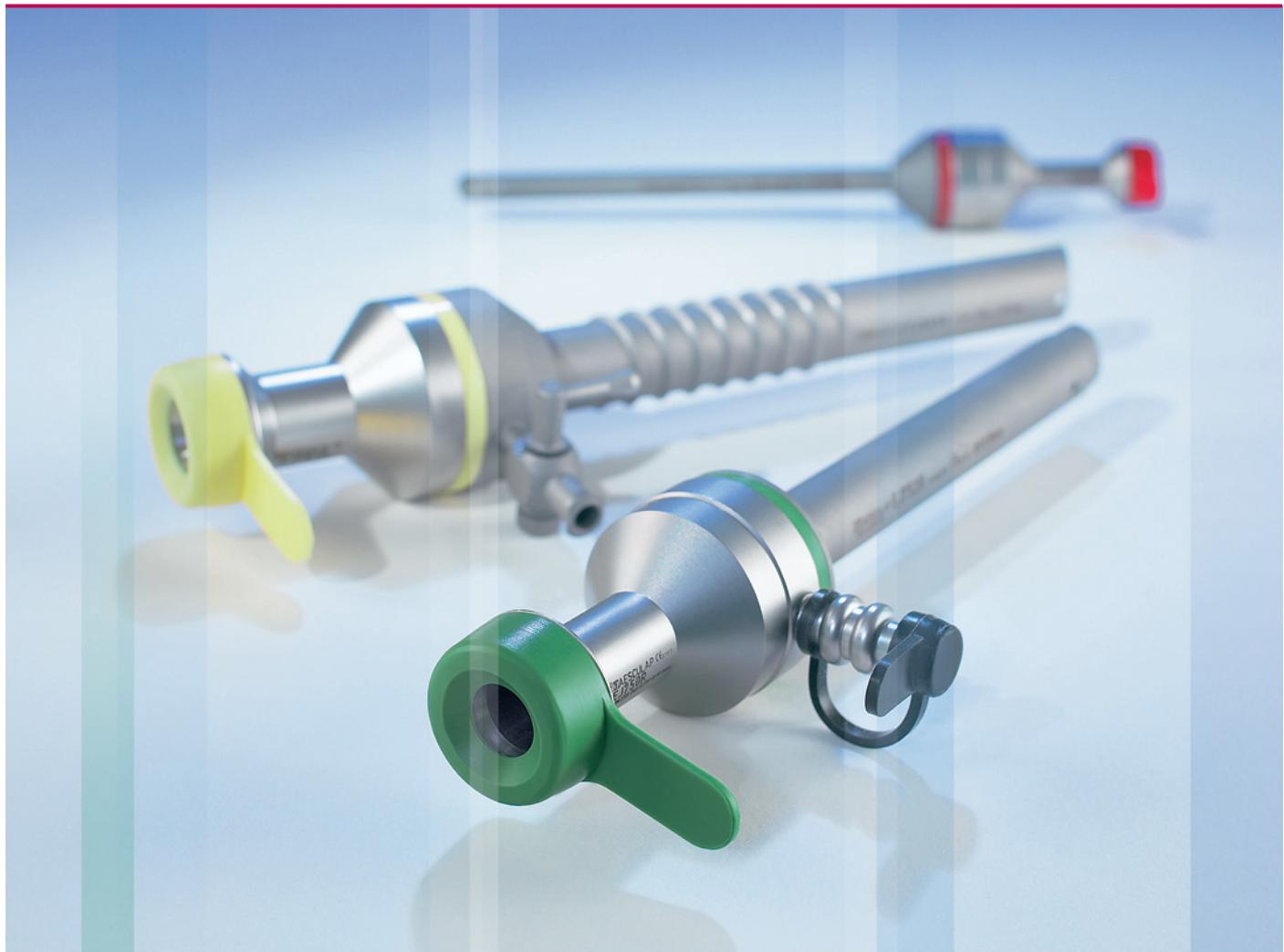


# Aesculap Endoscopic Technology

## 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 CO<sub>2</sub>-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	10 mm	13 mm
EJ701R	EJ751R	EJ580R

with insufflation  
connection





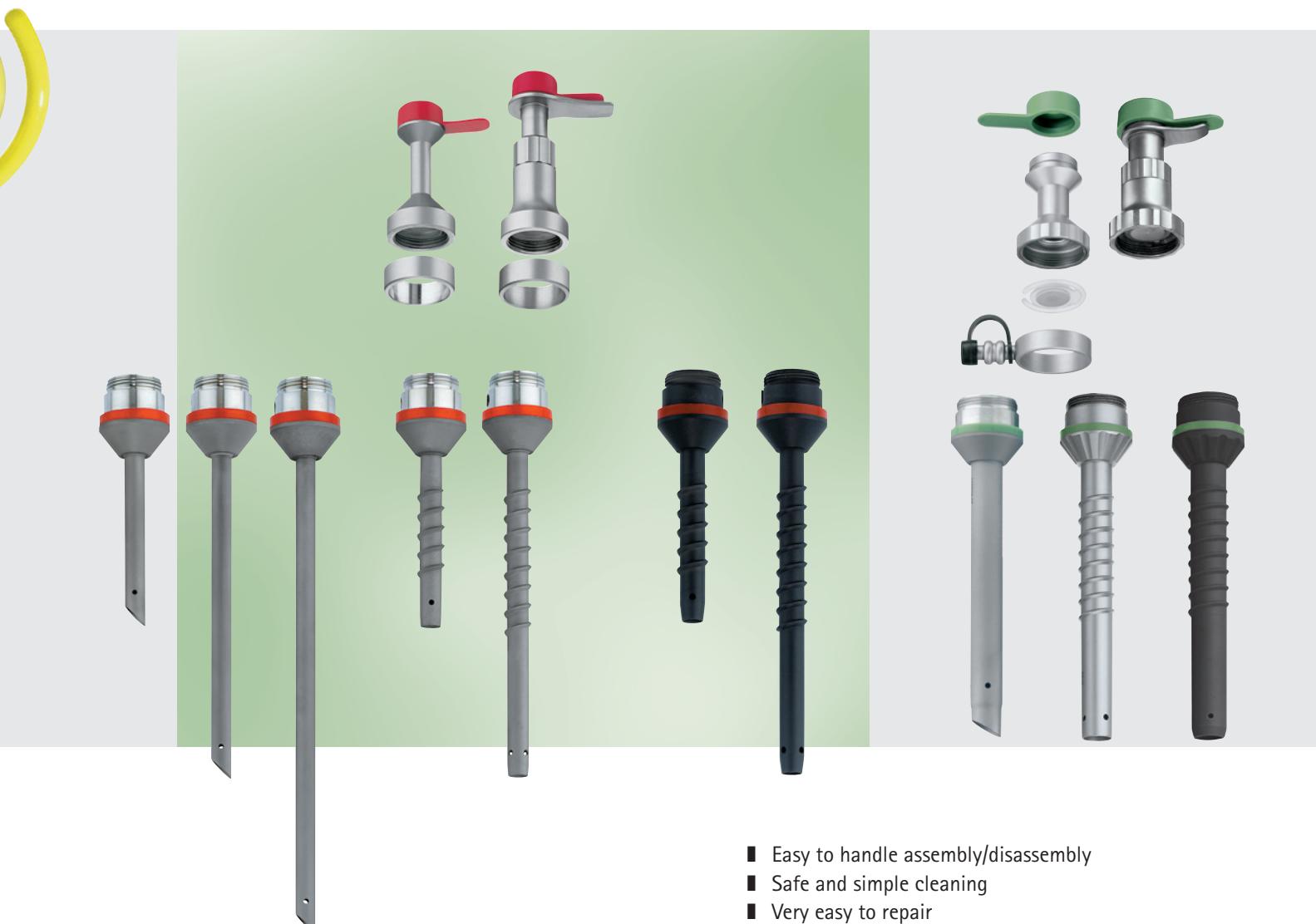
## Product range

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

# Rigid Trocars with Silicone Flap Valve



Standard trocar body	Special trocar body (Manual opening)	Trocars shaft (Stainless steel, smooth)	Trocars shaft (stainless steel, with thread)
<b>Ø 5.5 mm</b> 	<b>Ø 5.5 mm</b> 	Length: mm 60 EJ702R 110 EJ712R 150 EJ722R	Length: mm 60 EJ703R 110 EJ713R
<b>Ø 10 mm</b> 	<b>Ø 10 mm</b> 	110 EJ752R 150 EJ762R	110 EJ753R
<b>Ø 13 mm</b> 		110 EJ581R 110 EJ582R 110 EJ583R with insufflation connection	110 EJ584R



#### Silicone flat valve

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

#### Triangular Obturator

#### Conical Obturator (Sharp)

#### Conical Obturator (Blunt)

Length: mm



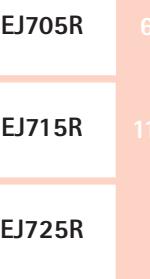
EJ704R

Length: mm



EJ714P

Length: mm



EJ705R

Length: mm



EJ725R

Length: mm



EJ706R

Length: mm



EJ716R

EJ718R

EJ720R



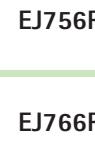
EJ754P



EJ755R



EJ765R



EJ756R

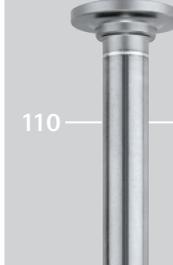


EJ558R

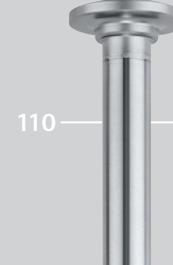
EJ568R



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**  
EJ800R

**Ø 13 mm**  
EJ590R

including  
sealing cap set EJ642P



**EJ826P**  
inner diameter  
12.5 mm



**Ø 7 mm**

**Ø 13 mm**



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

**Ø 7 mm**  
EJ830R

**Ø 13 mm**  
EJ595R



**Trocar shaft**  
(Package of 3 pcs.)

Length: mm

EJ804P



**Ø 7 mm**

EJ824P  
inner diameter  
12.5 mm



**Ø 13 mm**

# Trocar for the Mini Laparotomy (HASSON technique)

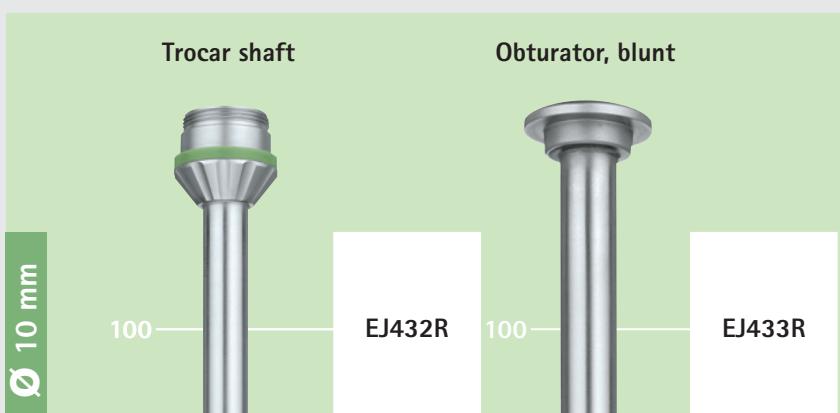
**Trocar complete  
100 mm length**  
(with blunt obturator)

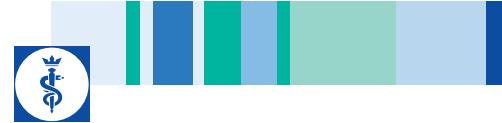
$\varnothing$  10 mm



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





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

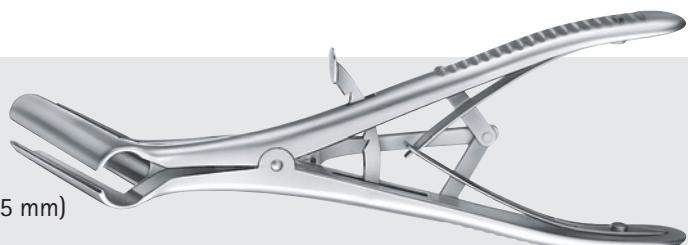
see also Aesculap leaflet C 730 02



# Additional Instruments

**BV941R**

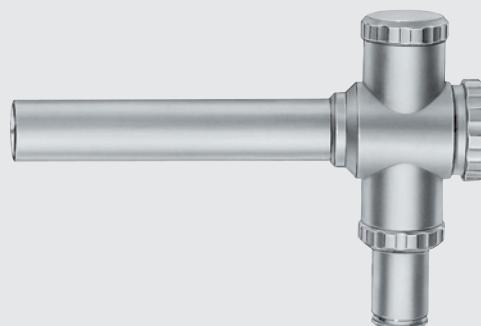
**Gall bladder extractor**  
with 3 blades (blade length: 55 mm)



- 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



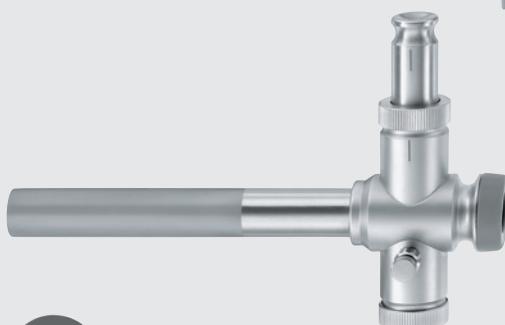
**EJ794R**

**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**

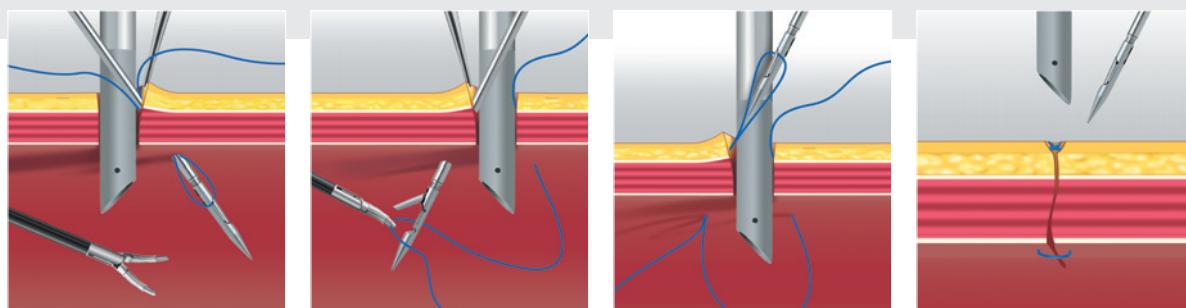




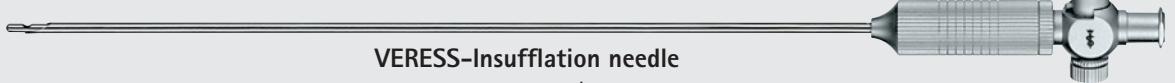
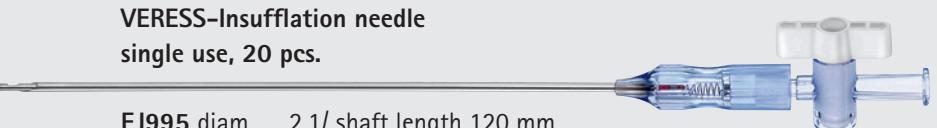
Dilatation set	from diam.	← →	to diam.	Sealing cap	
EJ477R	5.5 mm		10.0 mm	EJ477250	20 pcs.
EJ482R	10.0 mm		15.5 mm	EJ021P	10 pcs.
EJ480R	10.0 mm		20.0 mm	EJ480250	10 pcs.

#### 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

	<b>VERESS-Insufflation needle</b> PG003 diam. 2.1/ shaft length 100 mm PG008 diam. 2.1/ shaft length 120 mm PG0011 diam. 2.1/ shaft length 150 mm
	<b>VERESS-Insufflation needle single use, 20 pcs.</b> EJ995 diam. 2.1/ shaft length 120 mm
	<b>EJ996</b> diam. 2.1/ shaft length 150 mm
	<b>Silicone flap valve</b> 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.
	<b>Adapter ring with insufflation connection</b> EJ700/251 diam. 5.5 / 7.0 mm EJ750/251 diam. 10.0 / 12.5 mm
	<b>Adapter ring with stop-cock</b> EJ651R diam. 5.5 EJ650R diam. 10.0 / 12.5 mm
	<b>Adapter ring without insufflation connection</b> EJ700/250 diam. 5.5 / 7.0 mm EJ750/250 diam. 10.0 / 12.5 mm
	<b>Metal tap</b> SK271C
	<b>Sealing cap Luer-Lock</b> EJ751/251 à 20 pcs.
	<b>Colour coding ring, 20 pcs.</b> 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



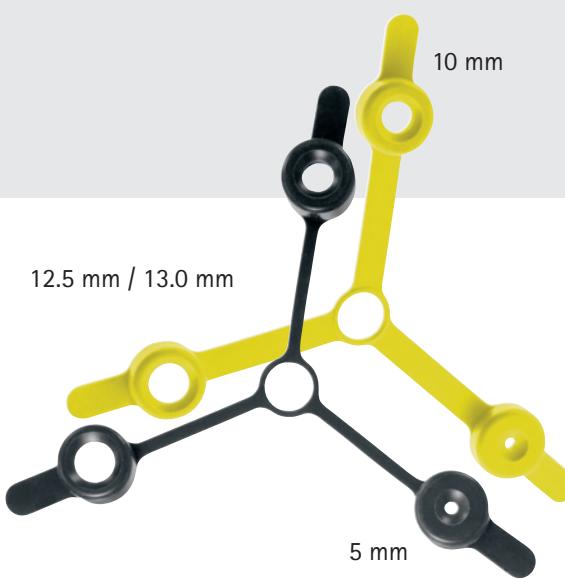
EJ450/255, diam. 12.5 mm



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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