

Aesculap[®] Trocar Solution

Reusable and Hybrid Systems



Aesculap Endoscopic Technology

Aesculap[®] Trocar Solution



Hybrid Solution

Combines the advantages of reusable trocars with the high functionality of single-use components.



The components of the Aesculap trocar system are not made with natural rubber latex.





- low instrument friction
- firm hold in the abdominal wall
- easy to clean, as the system can be fully disassembled

- excellent tactile feedback during insertion into the abdomen
- low space requirement through slender trocar design
- exceptional ergonomic properties and good weight distribution

Simple

Exceptional

Modular

Cost effective

- individual combination of the system based on a reusable trocar sleeve
- choice between a single-use universal seal and a reusable sealing unit with flap converter
- choice between single-use dilating trocar pins and reusable standard trocar pins

- an exceptional price-performance ratio leads to a high return on investment

The hybrid trocar solution

Sealing units

Reusable



EK080P
 Sealing unit
 for trocars Ø 5 mm
 20 units
 Accommodates 5 mm
 instruments

Single-use, sterile



EK001SU
 Single-use sealing unit
 for trocars Ø 5 mm
 20 units
 Accommodates 5 mm
 instruments

Trocar sleeves

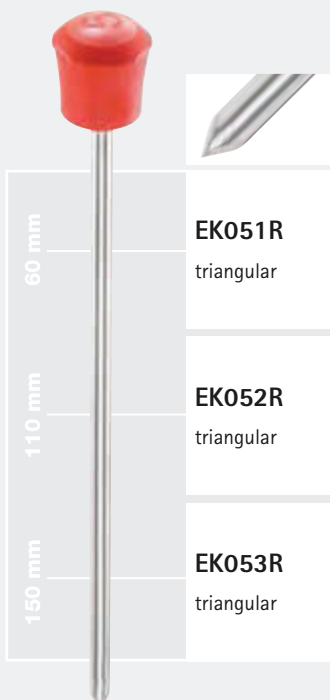
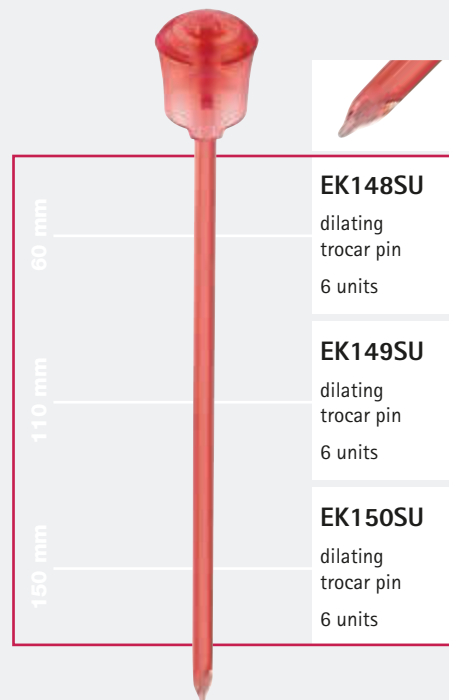
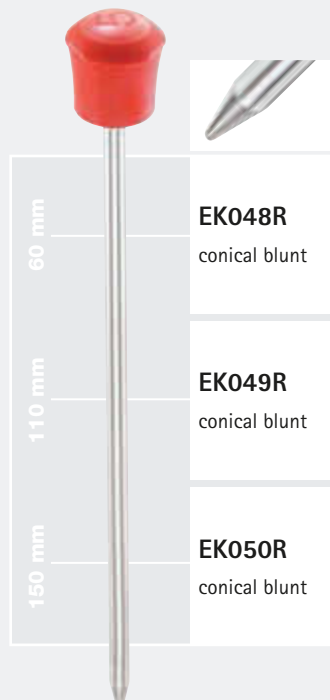
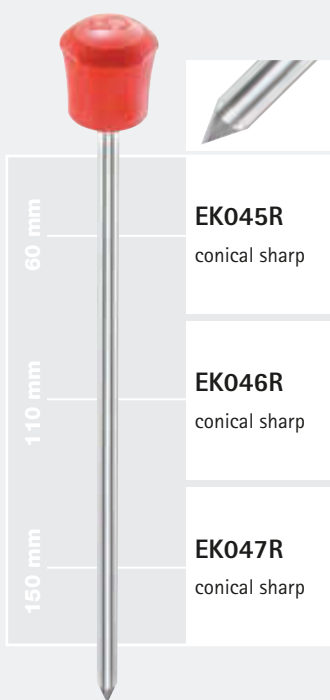
Reusable

<div>60 mm</div> <div>110 mm</div> <div>150 mm</div>		EK010R smooth, with stopcock 60 mm	<div>60 mm</div> <div>110 mm</div>		EK011R smooth, without stopcock 60 mm	<div>60 mm</div> <div>110 mm</div>		EK012R threaded, with stopcock 60 mm	<div>60 mm</div> <div>110 mm</div>		EK013R threaded, without stopcock 60 mm
		EK014R smooth, with stopcock 110 mm			EK015R smooth, without stopcock 110 mm			EK016R threaded, with stopcock 110 mm			EK017R threaded, without stopcock 110 mm
		EK018R smooth, with stopcock 150 mm									

Trocar pins

Reusable

Single-use, sterile



The hybrid trocar solution

Sealing units

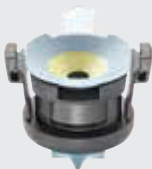
Reusable

Single-use, sterile



EK083P
Sealing unit for trocars
Ø 10/12 mm with
5 mm flap converter

Accommodates
5 mm – 12 mm
instruments



EK086P
Sealing unit for trocars
Ø 10/12 mm

Accommodates
10 mm – 12 mm
instruments



EK002SU
Single-use universal
sealing unit for trocars
Ø 10/12 mm

20 units

Accommodates
5 mm – 12 mm
instruments

Trocar sleeves

Reusable



EK024R
smooth,
with stopcock
110 mm



EK025R
smooth,
without
stopcock
110 mm



EK026R
threaded,
with stopcock
110 mm



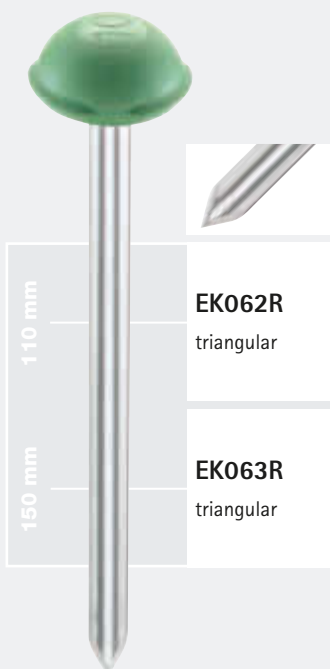
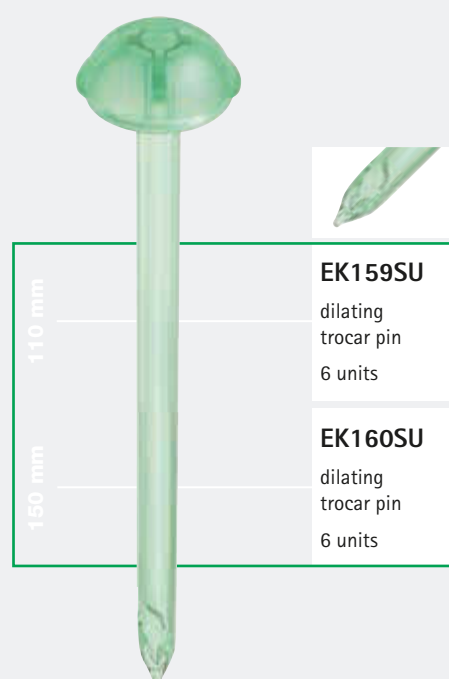
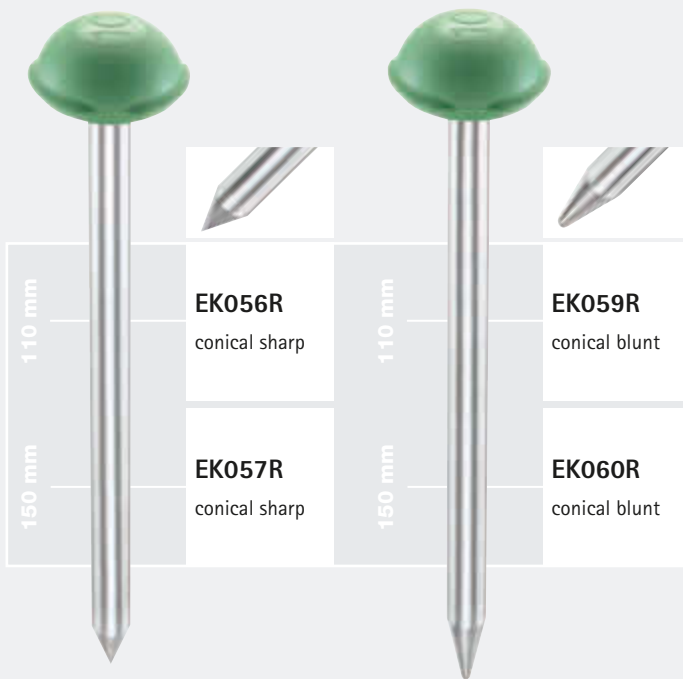
EK027R
threaded,
without
stopcock
110 mm

EK028R
smooth,
with stopcock
150 mm

Trocar pins

Reusable

Single-use, sterile



The hybrid trocar solution

Sealing units

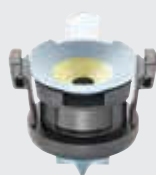
Reusable



EK083P

Sealing unit for trocars
Ø 10/12 mm with
5 mm flap converter

Accommodates
5 mm - 12 mm
instruments



EK086P

Sealing unit for trocars
Ø 10/12 mm

Accommodates
10 mm - 12 mm
instruments

Single-use, sterile



EK002SU

Single-use universal
sealing unit for trocars
Ø 10/12 mm

20 units

Accommodates
5 mm - 12 mm
instruments

Trocar sleeves

Reusable



EK034R

smooth,
with stopcock
110 mm



EK035R

smooth,
without
stopcock
110 mm



EK036R

threaded,
with stopcock
110 mm



EK037R

threaded,
without
stopcock
110 mm

110 mm

110 mm

110 mm

110 mm

150 mm

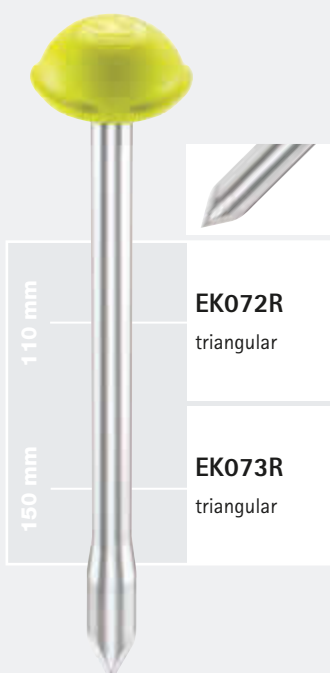
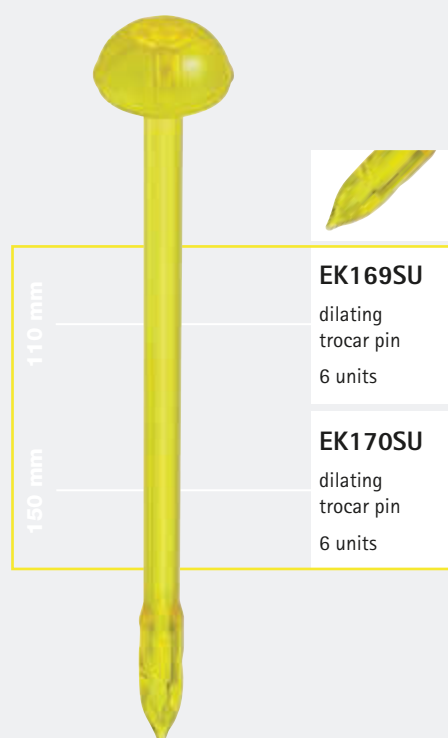
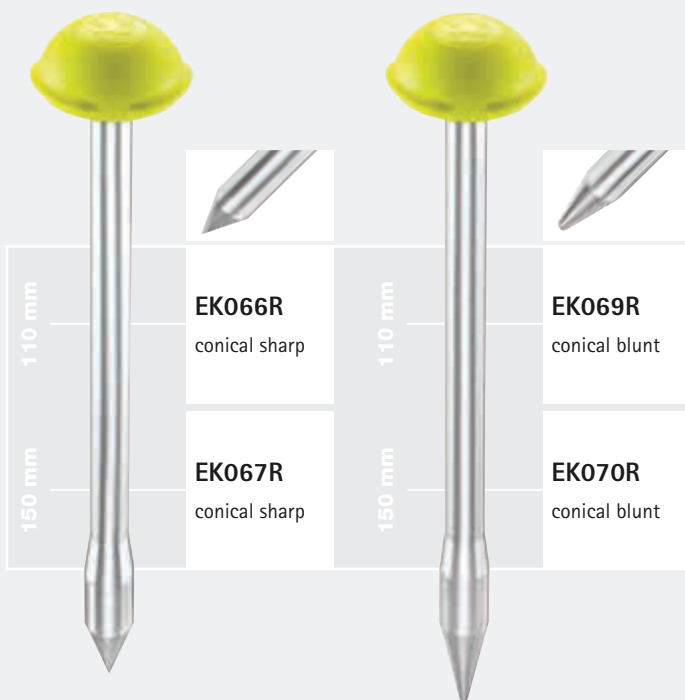
EK038R

smooth,
with stopcock
150 mm

Trocar pins

Reusable

Single-use, sterile

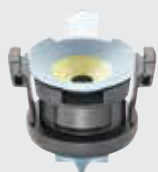


The hybrid trocar solution

Trocar for mini-laparotomy (Hasson technique)

Sealing units

Reusable



EK086P

Sealing unit for trocars
Ø 10/12 mm

Accommodates
10 mm – 12 mm
instruments

Single-use, sterile



EK002SU

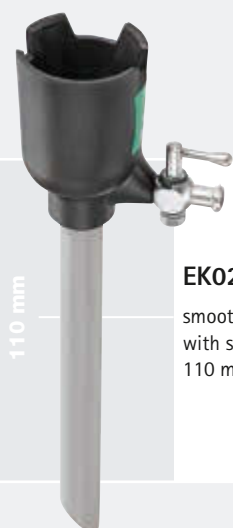
Single-use
universal sealing unit
for trocars
Ø 10/12 mm

20 units

Accommodates
5 mm – 12 mm
instruments

Trocar sleeves

Reusable



110 mm

EK024R

smooth,
with stopcock
110 mm



110 mm

EK064R

blunt
(HASSON)

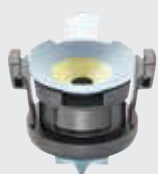


EK098R

Conical
attachment
for 10 mm
trocar sleeve

Sealing units

Reusable



EK086P

Sealing unit for trocars
Ø 10/12 mm

Accommodates
10 mm – 12 mm
instruments

Single-use, sterile



EK002SU

Single-use universal
sealing unit for trocars
Ø 10/12 mm

20 units

Accommodates
5 mm – 12 mm
instruments

Trocar sleeves

Reusable



EK034R

smooth,
with stopcock
110 mm



EK074R

blunt
(HASSON)



EK099R

Conical
attachment
for 12 mm
trocar sleeve

The hybrid trocar solution

Sealing units

Reusable



EK380P
Sealing unit
for trocars Ø 3.5 mm

Accommodates
3.5 mm instruments

Trocar sleeves

Reusable



EK311R
smooth,
without
stopcock
60 mm



EK315R
smooth,
without
stopcock
110 mm



EK310R
smooth,
with stopcock
60 mm



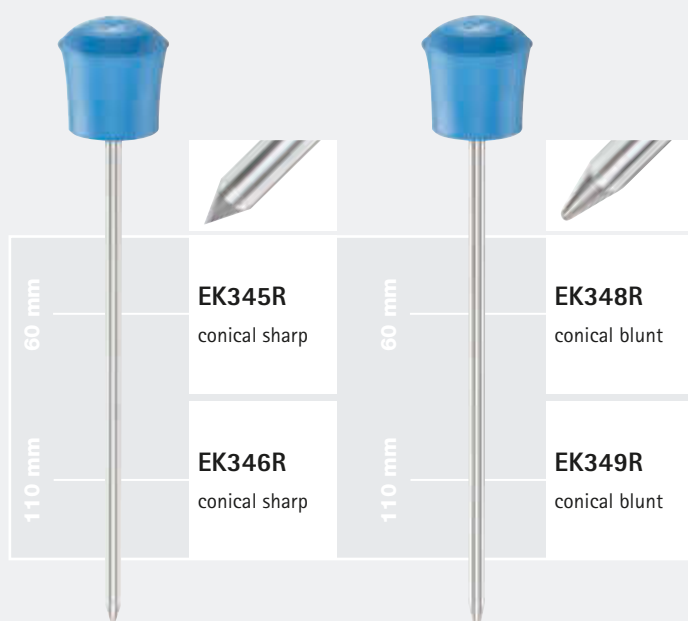
EK314R
smooth,
with stopcock,
110 mm

Enlarged inner diameter for improved insufflation, insertion of needles and 4 mm scopes.

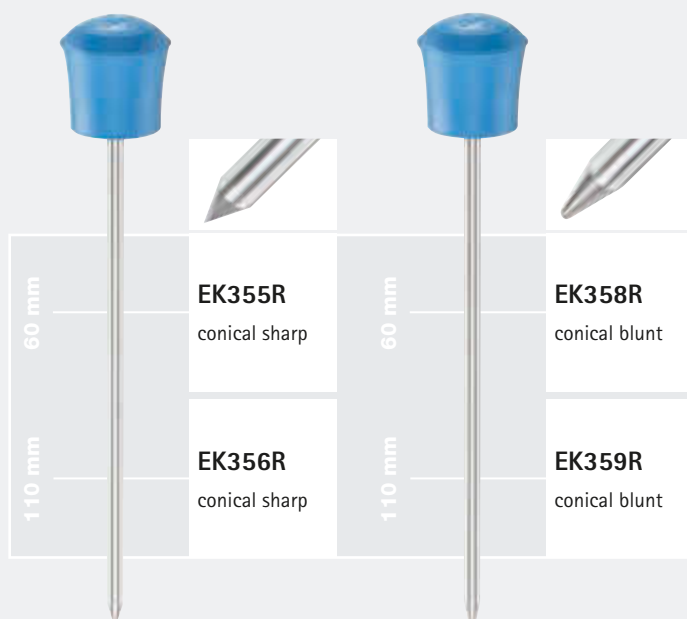
Trocar pins

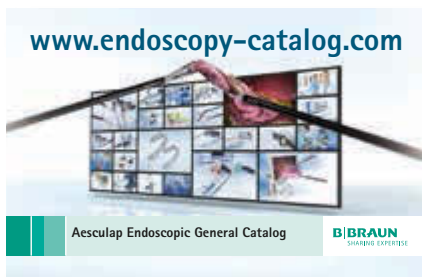
Reusable

Suitable for EK311R / EK315R



Suitable for EK310R / EK314R









All Aesculap endoscopy products on our internet homepage

...just a click away!



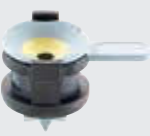











Reduzierhülsen

Reusable

 <p>EKO90R Reducing sleeve, Ø 10 mm incl. sealing cap EK093P 5 mm guide</p>	 <p>EKO91R Reducing sleeve, Ø 12 mm incl. sealing caps EK093P 5 mm guide EK094P 10 mm guide</p>	<p>Zubehör</p> <div data-bbox="1050 813 1289 976">  <p>EK093P Sealing cap 5 mm guide 20 units</p> </div> <div data-bbox="1050 1003 1289 1167">  <p>EK094P sealing cap 10 mm guide 20 units</p> </div>
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Sealing units

Reusable

 <p>EK080P Sealing unit for trocars Ø 5 mm 20 units</p>	 <p>EK380P Sealing unit for trocars Ø 3.5 mm 20 units</p>	 <p>EK086P Sealing unit for trocars Ø 10 - 12 mm with sealing cap</p>	 <p>EK083P Sealing unit for trocars Ø 10 - 12 mm with 5 mm flap converter</p>
<p>consisting of:</p> <div data-bbox="124 1749 256 1845">  <p>Sealing cap EK082P 20 units</p> </div> <div data-bbox="124 1861 256 1935">  <p>Kreuzschlitzventil EK081P 20 units</p> </div>	<p>consisting of:</p> <div data-bbox="472 1749 604 1845">  <p>Sealing cap EK382P 20 units</p> </div> <div data-bbox="472 1861 604 1935">  <p>Cross slit valve EK381P 20 units</p> </div>	<p>consisting of:</p> <div data-bbox="818 1749 967 1845">  <p>Sealing cap EK085P 20 units</p> </div> <div data-bbox="818 1845 967 1935">  <p>Sealing housing EK088P 1 unit</p> </div> <div data-bbox="818 1935 967 2029">  <p>Cross slit valve EK084P 20 units</p> </div>	<p>consisting of:</p> <div data-bbox="1174 1749 1323 1845">  <p>Reducing converter EK087P 5 units</p> </div> <div data-bbox="1174 1845 1323 1935">  <p>Sealing housing EK088P 1 unit</p> </div> <div data-bbox="1174 1935 1323 2029">  <p>Cross slit valve EK084P 20 units</p> </div>

Suture anchorage

Reusable



EK097R

Suture fixation
for trocars Ø 5 mm



EK397R

Suture fixation
for trocars Ø 3.5 mm

Suitable for EK311R / EK315R

Aesculap dilation trocar pin meets TRBA 250 safety standards

Preventive protective measures during the use, reprocessing and disposal of trocars are becoming increasingly important. Reusable trocar pins can hide a significant potential for injury, which can sometimes have considerable consequences for the user in the OR or CSSD in the form of infections. Aesculap has had the dilating pins of its Trocar System inspected by the renowned University of Wuppertal. The pins have a rounded tip, which does not limit their ability to penetrate the abdominal wall. The University of Wuppertal confirmed that these dilating trocar pins can help prevent accidental needlestick injuries in laparoscopic procedures, that they are suitable for subsequent disposal in the hospital and that they meet the requirements of TRBA 250 and the Ordinance on Biological Agents in the 2014 version. The geometry of the dilating trocar pin provides better access. As a result, potentially infectious injuries to the human skin are extremely unlikely with this dilating trocar pin.**

Suture sleeve

Reusable



EK390R

Suture sleeve,
for trocars Ø 5 mm,
incl. sealing cap
3.5 mm



EK391R

Suture sleeve,
for trocars Ø 3.5 mm,
incl. sealing cap

Suitable for EK310R / EK314R



**Source: Expert opinion on Aesculap® Single Use Trocar Obturators, Prof. Dr.-Ing. Andreas Wittmann, University of Wuppertal

