

PAJUNK®

Trocar Systems
Complete and efficient



manship:

PAJUNK® Trocar systems – for all Applications

Trocar system vary greatly. n of the respective surgical stantial influence as does e surgeon in selecting the ar systems – TrocaPort and n be utilized in all sizes

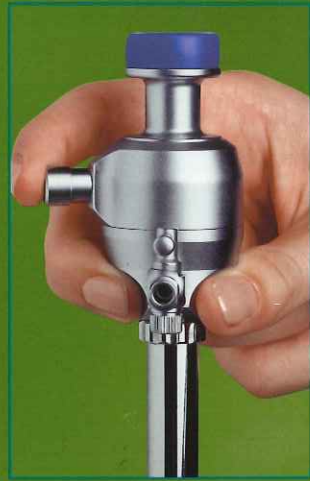
and for all applications of surgical interventions:

- for laparoscopy
 - > in general surgery
 - > in gynecology
 - > in urology
- for the "Hasson-Technique" (open laparoscopy)
- for total extraperitoneal hernioplasty (see brochure "Balloon Systems")

Both systems have a modular structure, and they can be combined with a wide variety of accessories.

The ergonomically designed valve housings are user friendly and they ensure a precise and tireless operation.

TrocaPort with silicone valve insert is available in the inexpensive disposable version and also in the reusable version. TrocaTec is available with a purely automatic trap door valve insert or with a manually and automatically activated trap door valve insert.



ort:

TrocaTec:



Reusable valve insert



Disposable valve insert with reducing system

With the quick-lock closure (just 1.5 turns) between valve insert and valve housing, the instrument is immediately ready for use. It is instantly leak-proof especially at high pressure.



TrocaTec - modular trocar sleeve with manual and automatic trap door valve operation



TrocaTec - modular trocar sleeve with automatic trap door valve



Modular and versatile:

Everything Needed for Laparoscopy



TrocaPort system with shielded trocar

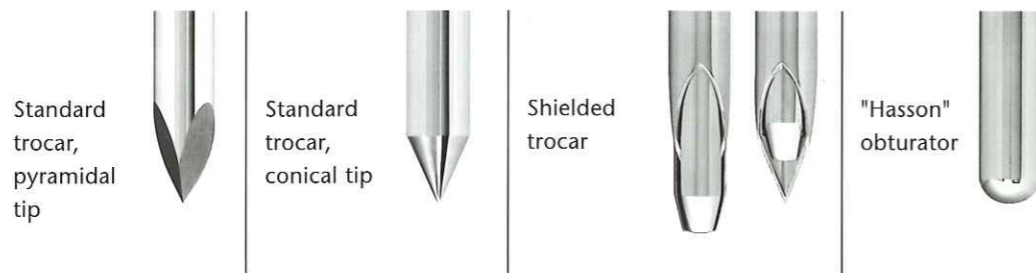
Trocars and Obturators



Shielded trocar

The shielded trocar has been designed to avoid injuries in the abdomen due to its automatic self-locking shielding device at the cutting tip. When it is activated the protective shield of the cutting tip will release the trocar tip whilst puncturing the abdominal wall. As soon as the trocar tip has passed the abdomi-

nal wall it is immediately covered again safely. The shield of the cutting tip locks itself in place thus avoiding possible injuries. The cutting edges of the trocar are rounded off in the lateral area which gives a dilating effect that guarantees a minimal puncture wound.



Standard trocar, pyramidal tip

Standard trocar, conical tip

Shielded trocar

"Hasson" obturator

Guide tubes



Standard guide tube

Our trocar sleeves are supplied with a standard guide tube. Alternatively, guide tubes with fixation threads



Guide tube with fixation thread



Ring-anchor balloon system for open laparoscopy

and a disposable ring-anchor balloon system are also available for optimal anchoring of the trocar sleeve in the abdominal wall.

Accessories

Hasson cone

This fixable sliding cone is used in open laparoscopy, and can be slipped onto all reusable modular trocar sleeves with standard guide tubes and locked in position there. It is manufactured of high-grade stainless steel and is also available with a smooth surface or with a fixation thread. It is equipped with two self-clamping suture points and can be easily dismantled.



Cone with smooth surface

Cone with fixation thread

Reducing adapters

The modular trocar system offers a variety of options for simple and efficient diameter reduction. With the aid of these reducing systems, instruments with a smaller diameter than that of the trocar sleeve can be introduced through the trocar sleeve without loss of pressure.

Reducer sleeve, short

When using the short reducer sleeve, instruments with a smaller diameter can be used without loss of pressure. Advantage: The functioning of the valve remains unimpaired.



TrocaStop

TrocaStops are used for the uncomplicated and safe anchoring of the trocar sleeves in the abdominal wall. For this purpose the TrocaStop is slid onto the standard guide tube and locked in position using a knurled thumb screw.



TrocaStop

Reducer sleeve, long

With the long reducer sleeve, the valve is kept open. Also, instruments with a smaller diameter can be utilized without obstruction, or, for example, a folded mesh can be introduced into the abdomen.



The **reducing adapter** is placed on top of the introductory part of the trocar sleeve where it is inserted into the sealing cap when needed.



Without restrictions:

The Systems in Summary

TrocaPort

TrocaPort - modular trocar sleeve with silicone valve

The integrated silicone valve and the guide tube can be replaced. Ergonomic valve housing and quick-lock. Easy to clean, light-weight, maintenance-free stop cock for gas insufflation.



with stop cock without stop cock

Size	Order no.	Order no.
Ø 3 mm	1287-21-03	1287-21-03N
Ø 5 mm	1287-21-05	1287-21-05N
Ø 5,5 mm	1287-21-55	1287-21-55N
Ø 10 mm	1287-21-10	
Ø 11 mm	1287-21-11	
Ø 12,5 mm	1287-21-12	

Trocar sleeves without valve top for TrocaPort-System

With lateral stop cock and replaceable guide tube (smooth surface or fixation thread) for combination with TrocaPort disposable valve top no. 1287-63-xx and 1287-64-xx
1 piece per pack



smooth surface fixation thread

Size	Order no.	Order no.
Ø 5 mm	1287-19-05	1287-19-05T
Ø 5,5 mm	1287-19-55	1287-19-55T
Ø 10 mm	1287-19-10	1287-19-10T
Ø 11 mm	1287-19-11	1287-19-11T

Disposable valve insert for TrocaPort-System.



Size	Order no.
Ø 5 mm	1287-63-05
Ø 5,5 mm	1287-63-55
Ø 10 mm	1287-63-10
Ø 11 mm	1287-63-11

Seal assortment for TrocaPort-trocar sleeves with silicone valve, 4-part, 10 pieces per pack



Size	Order no.
Ø 3 mm	1287-28-03
Ø 5 mm	1287-28-05
Ø 5,5 mm	1287-28-55
Ø 10 mm	1287-28-10
Ø 11 mm	1287-28-11

Disposable valve top with reducing system for TrocaPort-System for modular reusable TrocaPort-trocar sleeves no. 1287-21-xx. The system allows gastight introduction of instruments with a smaller shaft diameter simply by applying the reducing adapter. Packed individually, sterile. 5 pieces per pack



Size	Order no.
Ø 10/5 mm	1287-64-10
Ø 11/5,5 mm	1287-64-11

Silicone valve insert for TrocaPort-trocar sleeves 10 pieces per pack



Size	Order no.
Ø 3-5,5 mm	1287-27-55
Ø 10-12,5 mm	1287-27-11

Silicone sealing caps for all modular trocar sleeves, also for TrocaTec and TrocaPort 10 pieces per pack



Size	Order no.	Color
Ø 3 mm	1287-29-03	white
Ø 5 mm	1287-29-05	white
Ø 5,5 mm	1287-29-55	green
Ø 10 mm	1287-29-10	violet
Ø 11 mm	1287-29-11	blue
Ø 12,5 mm	1287-29-12	red

TrocaTec

TrocaTec - modular trocar sleeve with manual and automatic trap door valve operation

With short-stroke push-button for manual trap door application, ergonomic valve housing, easy to clean, lightweight, quick-lock, maintenance-free stop cock for gas insufflation.



with stop cock without stop cock

Size	Order no.	Order no.
Ø 3 mm	1287-13-03	1287-13-03N
Ø 5 mm	1287-13-05	1287-13-05N
Ø 5,5 mm	1287-13-55	1287-13-55N
Ø 10 mm	1287-13-10	
Ø 11 mm	1287-13-11	
Ø 12,5 mm	1287-13-12	

TrocaTec - modular trocar sleeve with automatic trap door valve

Ergonomic valve housing, easy to clean, lightweight, quick-lock, maintenance-free stop cock for gas insufflation



with stop cock without stop cock

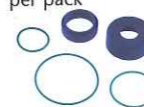
Size	Order no.	Order no.
Ø 3 mm	1287-26-03	1287-26-03N
Ø 5 mm	1287-26-05	1287-26-05N
Ø 5,5 mm	1287-26-55	1287-26-55N
Ø 10 mm	1287-26-10	
Ø 11 mm	1287-26-11	
Ø 12,5 mm	1287-26-12	

Sealing insert for TrocaTec-trocar sleeves with trap door valve 10 pieces per pack



Size	Order no.
Ø 3 mm	1287-24-03
Ø 5 mm	1287-24-05
Ø 5,5 mm	1287-24-55
Ø 10 mm	1287-24-10
Ø 11 mm	1287-24-11
Ø 12,5 mm	1287-24-12

Seal assortment for TrocaTec-trocar sleeves with trap door valve; 5-part., 10 pieces per pack



Size	Order no.
Ø 3 mm	1287-20-03
Ø 5 mm	1287-20-05
Ø 5,5 mm	1287-20-55
Ø 10 mm	1287-20-10
Ø 11 mm	1287-20-11
Ø 12,5 mm	1287-20-12

Guide tubes

Standard guide tube Metal guide tube (smooth) for modular trocar sleeves



Size	Order no.
Ø 3 mm	1287-16-03
Ø 5 mm	1287-16-05
Ø 5,5 mm	1287-16-55
Ø 10 mm	1287-16-10
Ø 11 mm	1287-16-11
Ø 12,5 mm	1287-16-12

Guide tube Metal guide tube with fixation thread for modular trocar sleeves



Size	Order no.
Ø 5 mm	1287-15-05
Ø 5,5 mm	1287-15-55
Ø 10 mm	1287-15-10
Ø 11 mm	1287-15-11
Ø 12,5 mm	1287-15-12

Ring-anchor balloon system Sterile disposable set for open laparoscopy with ring-anchor balloon and instrument channel, Ø 11 mm. Usable with all standard and shielded trocars and obturators 5 pieces per pack



Size	Order no.
Ø 11 mm	1285-40-11

Standard trocar with pyramidal tip reusable, cutting



Size	Order no.
Ø 3 mm	1287-92-03
Ø 5 mm	1287-92-05
Ø 5,5 mm	1287-92-55
Ø 10 mm	1287-92-10
Ø 11 mm	1287-92-11
Ø 12,5 mm	1287-92-12

Standard trocar with conical tip reusable, atraumatic



Size	Order no.
Ø 3 mm	1287-93-03
Ø 5 mm	1287-93-05
Ø 5,5 mm	1287-93-55
Ø 10 mm	1287-93-10
Ø 11 mm	1287-93-11
Ø 12,5 mm	1287-93-12

"Hasson" Obturator reusable standard obturator, blunt with ball tip (open laparoscopy)



Size	Order no.
Ø 5 mm	1287-94-05
Ø 5,5 mm	1287-94-55
Ø 10 mm	1287-94-10
Ø 11 mm	1287-94-11
Ø 12,5 mm	1287-94-12

Shielded trocar reusable, cutting, with self-locking shielding of the cutting tip



Size	Order no.
Ø 3 mm	1287-90-03
Ø 5 mm	1287-90-05
Ø 5,5 mm	1287-90-55
Ø 10 mm	1287-90-10
Ø 11 mm	1287-90-11
Ø 12,5 mm	1287-90-12

Accessories

TrocaStop Screw-in limiting stop with fixation thread for modular trocar sleeves



Size	Order no.
Ø 5 mm	1287-82-05
Ø 5,5 mm	1287-82-55
Ø 10 mm	1287-82-10
Ø 11 mm	1287-82-11
Ø 12,5 mm	1287-82-12

Hasson cone Fixable sliding cone for open laparoscopy, can be slipped onto all reusable modular trocar sleeves. Made of high-grade stainless steel, able to be dismantled



Size	Order no.	Order no.
Ø 5 mm	1287-43-05	1287-43-05T
Ø 5,5 mm	1287-43-55	1287-43-55T
Ø 10 mm	1287-43-10	1287-43-10T
Ø 11 mm	1287-43-11	1287-43-11T
Ø 12,5 mm	1287-43-12	1287-43-12T



Reducing adapter

Size	Order no.
Ø 10/5 mm	1287-81-10
Ø 11/5,5 mm	1287-81-11
Ø 12,5/5,5 mm	1287-81-12



Reducer sleeve, long

Size	Order no.	Order no.
Ø 5/3 mm	1287-85-05	1287-85-05S
Ø 10/5 mm	1287-85-10	1287-85-10S
Ø 11/5,5 mm	1287-85-11	1287-85-11S
Ø 12,5/5,5 mm	1287-85-12	1287-85-12S
Ø 12,5/10 mm	1287-85-22	1287-85-22S
Ø 12,5/11 mm	1287-85-23	1287-85-23S



Reducer sleeve, short