

Trocar Systems

Modular and flexible for maximum efficiency



Always the ideal execution

PAJUNK Trocar Systems

The requirements on trocar systems are very different. A significant influence has type and nature of the particular surgery. But also the preferences of the surgeon are decisive criteria in selecting the operational method. Therefore, PAJUNK* developed two trocar systems – TrocaTec and TrocaPort – that are universally applicable for all size- and method categories:

- Laparoscopy (general surgery, gynaecology, urology)
- Hasson technique (open laparoscopy)
- totally extraperitoneal hernioplasty

Both systems have a modular structure and can be combined with different accessories. The ergonomic valve bodies are designed in a handy shape and ensure a precise and fatigue-free working.

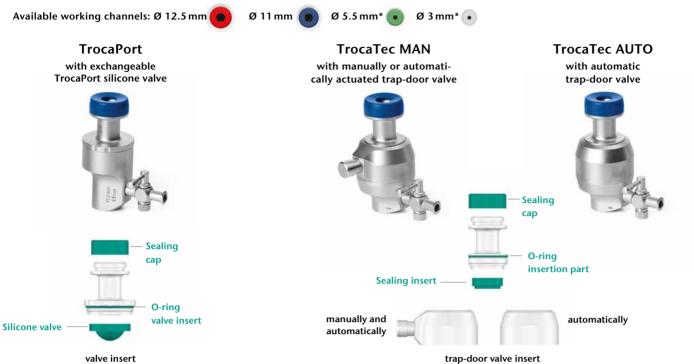
- **→** Modular system
- → Disposable components delivered sterile and ready for immediate use
- → High efficiency because of the modularity and flexibility
- → Wear parts for example silicone valves – are easy to replace
- → Manually and automatically operable reusable trap-door valve
- → Suitable sizes also for bariatrics and paediatrics

TrocaPort – disposable or reusable versions

The reusable valve can be quickly disassembled for easy cleaning and therfore it is ideally suited for the autoclaving process. If necessary sterile disposable valves can also be used. A very popular choice because of their little weight.





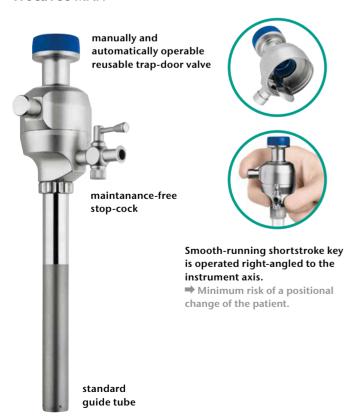


*3 mm und 5.5 mm valves optionally with or without maintenance-free stop-cock for gas insufflation

TrocaTec

TrocaTec is available in two reusable versions: with button, the trap-door valve insert is manually and automatically, then again without button only automatically operable. The flap lid is rounded off and polished. Therefore it guarantees a minimal contact area at the instrument as well as an extremely low gliding resistance.





TrocaTec AUTO



Modular and versatile

Everything necessary for laparoscopy

With its automatic, self-locking cutting-edge protection, the shielded trocar reduces abdomen injuries. If activated, the cutting-edge protection uncovers the trocar tip only when piercing the abdominal wall. As soon as the trocar tip has passed the abdominal wall, it is immediately covered again and at the same time, the cutting-edge protection is locked. The trocar cutting-edges are rounded in the lateral area, which favours a dilating effect and at the same time only results in a minimal puncture lesion.

Trocars and obturators

shielded trocar

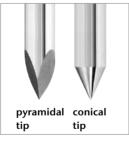
TrocaPort with shielded trocar

Guide tubes

The trocar sleeves are delivered with a guide tube, which is available with smooth surface, or alternatively – for a better anchorage of the trocar sleeve in the abdominal wall - with fixation thread or with a disposable ring-anchor balloon system.



shielded trocar



standard trocar



"Hasson" obturator



guide tube with smooth surface



quide tube with fixation thread



ring-anchor balloon system for open laparoscopy

Accessory

Diameter reduction

The modular trocar system offers various possibilities for easy and efficient diameter reduction. Via these reduction systems, instruments with a smaller diameter than the trocar sleeve can be used without pressure loss.

Reducer sleeve short and long

Enables the use of a smaller instrument diameter. The short version leaves the function of the valve unimpaired. The long version keeps the valve open, therefore i.e. a folded mesh can be introduced into the abdomen.



short version





Is put on the insertion part of the trocar sleeve, and - if needed plugged in the sealing cap.



Hasson cone

The fixable sliding cone is used in the open laparoscopy. It can be slid over all reusable, modular trocar sleeves with standard guide tube and be fixed at any position. The Hasson cone is made of stainless steel, demountable, has two self-locking string holder and is available with smooth surface or alternatively with fixation thread.



TrocaStop

For anchoring the trocar sleeve in the abdominal wall, screw-in stops are used. For this purpose, the TrocaStop is slid on the standard guide tube and fixed with a clamp screw.

Trocar systems

All at a glance

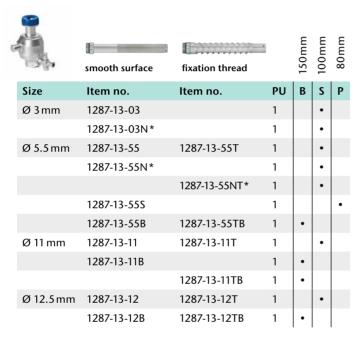
TrocaTec



Working length:

B=Bariatric (150 mm), S=Standard (100 mm), P=Paediatric (80 mm)

TrocaTec MAN



TrocaPort



Working length:

B=Bariatric (150 mm), S=Standard (100 mm), P=Paediatric (80 mm)

TrocaPort

Modular trocar sleeve with silicone valve

	smooth surface	fixation thread	ð	150mm	100mm	80mm
Size	ltem no.	Item no.	PU	В	S	Р
Ø3mm	1287-21-03		1		•	
	1287-21-03N*		1		•	
	1287-21-03S		1			•
Ø 5.5 mm	1287-21-55	1287-21-55T	1		•	
	1287-21-55N*	1287-21-55NT*	1		•	
	1287-21-55\$		1			•
	1287-21-55B	1287-21-55TB	1	•		
Ø 11 mm	1287-21-11	1287-21-11T	1		•	
	1287-21-11B	1287-21-11TB	1	•		
Ø 12.5 mm	1287-21-12	1287-21-12T	1		•	
	1287-21-12B	1287-21-12TB	1	•		

TrocaTec AUTO

Modular trocar sleeve with automatic trap-door valve

	smooth surface	fixation thread	i	150 mm	100 mm	80 mm
Size	Item no.	Item no.	PU	В	s	Р
Ø 3 mm	1287-26-03		1		•	
	1287-26-03N*		1		•	
Ø 5.5 mm	1287-26-55	1287-26-55T	1		•	
	1287-26-55N*	1287-26-55NT*	1		•	
	1287-26-55\$		1			•
	1287-26-55B	1287-26-55TB	1	•		
Ø 11 mm	1287-26-11	1287-26-11T	1		•	
	1287-26-11B	1287-26-11TB	1	•		
Ø 12.5 mm	1287-26-12	1287-26-12T	1		•	
	1287-26-12B	1287-26-12TB	1	•		

TrocaPort SLEEVE

Modular trocar sleeve without valve insert for combination with TrocaPort disposable valve inserts (item no. 1287-63-xx/1287-64-xx)

	smooth surface	fixation thread	Ď	150 mm	100 mm	80 mm
Size	Item no.	Item no.	PU	В	S	Р
Ø 5.5 mm	1287-19-55	1287-19-55T	1		•	
Ø 11 mm	1287-19-11	1287-19-11T	1		•	

Trocars and obturators

Working length: B=Bariatric (150 mm), S=Standard (100 mm), P=Paediatric (80 mm) 150 mm 100 mm 80 mm

Product	Size	Item no.	PU	В	S	P
TrocaObt PYRAMID)					
Pyramidal tip, cut- ting, reusable	Ø3mm	1287-92-03	1		•	
		1287-92-03S	1			•
	Ø 5.5 mm	1287-92-55	1		•	
		1287-92-55\$	1			•
		1287-92-55B	1	•		
	Ø 11 mm	1287-92-11	1		•	
		1287-92-11B	1	•		
	Ø 12.5 mm	1287-92-12	1		•	
		1287-92-12B	1			

TrocaObt CONE

Conical tip, atraumatic, reusable



1287-93-03	1		•	
1287-93-03\$	1			•
1287-93-55	1		•	
1287-93-55\$	1			•
1287-93-55B	1	•		
1287-93-11	1		•	
1287-93-11B	1	•		
1287-93-12	1		•	
1287-93-12B	1	•		
	1287-93-03S 1287-93-55 1287-93-55S 1287-93-55B 1287-93-11 1287-93-11B 1287-93-12	1287-93-55S 1 1287-93-55B 1 1287-93-11 1 1287-93-11B 1	1287-93-03S 1 1287-93-55 1 1287-93-55S 1 1287-93-55B 1 • 1287-93-11 1 1287-93-11B 1 • 1287-93-12 1	1287-93-03S 1

TrocaObt PROTECT

Ø 5.5 mm

Dilating, atraumatic, reusable



	1287-96-55\$	1			•
	1287-96-55B	1	•		
Ø 11 mm	1287-96-11	1		•	
	1287-96-11B	1	•		
Ø 12.5 mm	1287-96-12	1		•	
	1207 06 120	1			

1287-96-55

TrocaObt HASSON

Blunt with sphere tip (open laparoscopy), reusable

Ø 5.5 mm	1287-94-55	1	•	
Ø 11 mm	1287-94-11	1	•	
Ø 12.5 mm	1287-94-12	1	•	



TrocaObt SHIELD

Shielded trocar, self-locking, sharp, reusable

Ø3mm	1287-90-03	1	•	
Ø 5.5 mm	1287-90-55	1	•	
Ø 11 mm	1287-90-11	1	•	
Ø 12.5 mm	1287-90-12	1	•	



Guide tubes

Working length:

B=Bariatric (150 mm), S=Standard (100 mm), P=Paediatric (80 mm)

TrocaTube						
	smooth surface	fixation thread		150 mm	100 mm	80 mm
Size	Item no.	Item no.	PU	В	S	Р
Ø 3 mm	1287-16-03		1		•	
	1287-16-03S		1			•
Ø 5.5 mm	1287-16-55	1287-15-55	1		•	
	1287-16-55\$		1			•
	1287-16-55B	1287-15-55B	1	•		
Ø 11 mm	1287-16-11	1287-15-11	1		•	
	1287-16-11B	1287-15-11B	1	•		
Ø 12.5 mm	1287-16-12	1287-15-12	1		•	
	1287-16-12B	1287-15-12B	1	•		

EcoBalloon RA-S¹

Sterile disposable kit with short ring-anchor balloon and instrument channel



	Working lengt	h: 80 mm
izo	Itom no	DII

Ø 11 mm	1285-40-11\$	5

EcoBalloon URO-S¹

Sterile disposable kit with short, flat ring-anchor balloon and instrument channel



Working	lenath.	80 mm

Size	Item no.	PU
Ø 11 mm	1285-75-11\$	5

Accessory

Product

Accessory TrocaTec

TrocaTec SEALSET			
Seal range for trocar sleeves with trap-door valve, 5 pieces	Ø 3 mm	1287-20-03	10
	Ø 5.5 mm	1287-20-55	10
	Ø 11 mm	1287-20-11	10
	Ø 12.5 mm	1287-20-12	10
TrocaTec SEAL			
Sealing insert for trocar sleeves and trap-door valve	Ø 3 mm	1287-24-03	10
	Ø 5.5 mm	1287-24-55	10
	Ø 11 mm	1287-24-11	10
	Ø 12.5 mm	1287-24-12	10

Size

Item no.

PU

Accessory TrocaPort

Product	Size	Item no.	PU
TrocaPort TOP			
Disposable valve insert	Ø 5.5 mm	1287-63-55	5
	Ø 11 mm	1287-63-11	5
with reducing system	Ø 11 mm	1287-64-11	5

Ø 5.5 mm

Ø 11 mm

TrocaPort SEALSET

Seal range with silicone Ø 3 mm valve, 4 pieces



TrocaPort SEAL

Silikone valve insert



Ø 12.5 mm	1287-28-12	10
Ø 3–5.5 mm	1287-27-55	10
Ø 10–12.5 mm	1287-27-11	10

1287-28-03

1287-28-55

1287-28-11

Accessory TrocaTec and TrocaPort			
Product	Size	Item no.	PU
TrocaCap			
Silicone sealing caps	Ø 3 mm	1287-29-03	10
	Ø 5.5 mm	1287-29-55	10
	Ø 11 mm	1287-29-11	10
	Ø 12.5 mm	1287-29-12	10
TrocaStop			
Screw-in stop with fixation	Ø 5.5 mm	1287-82-55	1
thread for modular trocar sleeves	Ø 11 mm	1287-82-11	1
	Ø 12.5 mm	1287-82-12	1
TrocaCone			
Hasson cone, fixable sliding	Ø 11 mm/smooth	1287-43-11	1
cone for open laparoscopy, stainless steel, demountable	Ø 11 mm/fixng th.	1287-43-11T	1
stanness steet, demountable	Ø 12.5 mm/smooth	1287-43-12	1
smooth fixation thread	Ø 12.5 mm/fixng th.	1287-43-12T	1
TrocaReducer			
Reducer sleeves	Ø 11/5.5 mm	1287-81-11	1
T	Ø 12.5/5.5 mm	1287-81-12	1



TrocaReducer L			
Reducing bush long	Ø 11/5.5 mm	1287-85-11	1
d	Ø 12.5/5.5 mm	1287-85-12	1
A	Ø 12.5/10 mm	1287-85-22	1
	Ø 12.5/11 mm	1287-85-23	1

TrocaReducer S

Reducing bush short



Ø 11/5.5 mm	1287-85-115	1
Ø 12.5/5.5 mm	1287-85-12\$	1
Ø 12.5/11 mm	1287-85-23\$	1





PAJUNK* GmbH

10

10

10

Medizintechnologie Karl-Hall-Strasse 1 D-78187 Geisingen / Germany Phone +49 (0) 77 04/92 91-0 Telefax +49 (0) 77 04/92 91-6 00 www.pajunk.com

PAJUNK * Medical Produkte GmbH

Germany • Austria • Benelux Karl-Hall-Strasse 1 D-78187 Geisingen / Germany Phone +49 (0) 77 04/80 08-0 Telefax +49 (0) 77 04/80 08-150 www.pajunk.com