

trinox trocar systems

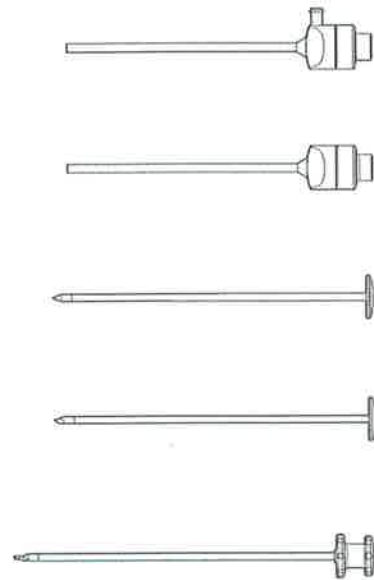
TRINOX is the logical successor of the established XION trocar system with magnetic flap valve. Addressing the increased demand of cost efficiency and automatic processing of instruments, TRINOX has been completely redesigned and is now made of stainless steel. A loosely inserted, hardened stainless steel valve flap is closed and retained in position by a magnetic system. The absence of any mechanical joints or springs ensures a high degree of functionality and safety.

- stainless steel stands for extended lifetime
- no springs or pivots, resulting in the simplest possible construction and a high level of functionality and safety
- easy to use, no additional manual activity is needed to open or close the magnetic flap valve
- no loss of gas when changing instruments
- instruments and optical systems can be easily and safely inserted and removed
- dismantling and cleaning is safe and simple, all equipment can be autoclaved
- low weight, compact dimensions
- ergonomic design
- high insufflation rate
- the elliptical chamfer of the trocar sheath increases the distal opening and facilitates the removal of tissue



trocars 2.7 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm
trocar sleeves				
with gas tap		110 639 232	110 639 200	
without gas tap		110 639 233	110 639 201	
trocars				
conical tip, closed		110 239 172	110 239 108	
pyramidal tip, closed		110 239 173	110 239 109	
shielded trocar				
without handle		110 239 181	110 239 117	








spare parts 2.7 mm




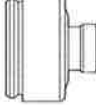
	length 70 mm	length 100 mm	length 120 mm	length 150 mm
cap seal				
standard			110 231 602	
valve flap				
5.5			110 231 215	
sealing ring				
for valve body			110 236 217	
valve body				
3.5			110 636 901	






trocars 3.5 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
trocar sleeves					
with gas tap	110 636 204		110 636 200		
without gas tap	110 636 205		110 636 201		
trocars					
conical tip, closed	110 236 112		110 236 108		
pyramidal tip, closed	110 236 113		110 236 109		
shielded trocar					
without handle			110 236 117		

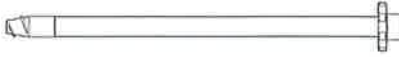

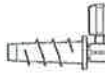
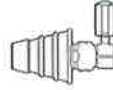
spare parts 3.5 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
cap seal					
standard			110 231 602		
valve flap					
5.5			110 231 215		
sealing ring					
for valve body			110 236 217		
valve body					
3.5			110 636 901		



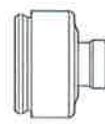
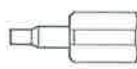
trocars 5.5 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
trocar sleeves					
with gas tap	110 631 204	110 631 232	110 631 200	110 631 202	
without gas tap	110 631 205	110 631 233	110 631 201	110 631 203	
trocars					
conical tip	110 231 104	110 231 164	110 231 100	110 231 102	
pyramidal tip	110 231 105	110 231 165	110 231 101	110 231 103	
pyramidal tip, closed		110 231 173	110 231 109		
shielded trocars					
with handle			110 231 133		
without handle		110 231 181	110 231 117		
obturator					
blunt tip, closed			110 231 308		

accessories 5.5 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
dilatation sleeves					
5/11			110 231 451		
guide tube					
			110 231 440		
fixation sleeve					
			110 231 550		
HASSON cone					
for mini laparotomy with thread fixation			110 231 563		

spare parts 5.5 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
cap seals					
5.5 standard			110 231 211		
for instr. Ø 3.0–4.5 mm			110 231 602		
valve flap					
5.5			110 231 215		
sealing ring					
for valve body			110 236 217		
valve body					
5.5			110 631 901		
clamping screw					
for fixation sleeve and HASSON cone			110 230 901		

trocars 8 mm

length **length** **length** **length**
 70 mm 100 mm 120 mm 150 mm

trocar sleeves

with gas tap

110 634 200



without gas tap

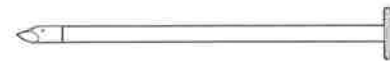
110 634 201



trocars

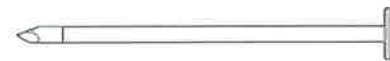
pyramidal tip

110 234 101



pyramidal tip, closed

110 234 109





shielded trocar

without handle



110 234 117



accessories 8 mm

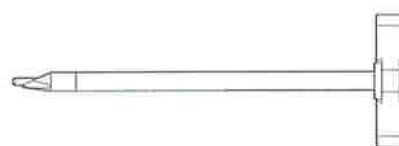
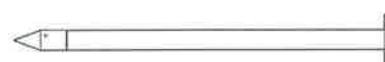
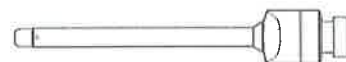
	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
extraction sleeves					
8/5.5			110 234 405		
reducer adapter					
8/5.5			110 234 505		
flap reducer					
8/5.5			110 234 525		
fixation sleeve					
			110 234 550		

spare parts 8 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
cap seals					
8, standard			110 234 211		
for instr. Ø 5.0 – 6.0 mm			110 234 604		
valve flap					
10			110 230 215		
sealing rings					
for valve body			110 234 217		
for reducer adapter			110 234 218		
valve body					
8			110 634 901		
clamping screw					
for fixation sleeve and HASSON cone			110 230 901		

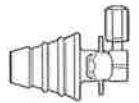
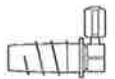
trocars 10 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm
trocar sleeves				
with gas tap	110 630 204	110 630 232	110 630 200	110 630 202
without gas tap	110 630 205	110 630 233	110 630 201	110 630 203
trocars				
conical tip	110 230 104	110 230 164	110 230 100	110 230 102
pyramidal tip	110 230 105	110 230 165	110 230 101	110 230 103
pyramidal tip, closed			110 230 109	
shielded trocars				
with handle			110 230 133	
without handle		110 230 181	110 230 117	
obturator				
blunt tip, closed			110 230 308	



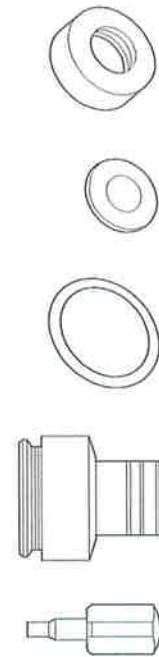
accessories 10 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm
extraction sleeves				
10/5.5			110 230 405	
10/8			110 230 408	
reducer adapters				
10/5.5			110 230 505	
10/8			110 230 508	
flap reducers				
10/5.5			110 230 525	
10/8			110 230 528	
fixation sleeve				
standard			110 230 550	
HASSON cone				
for mini laparotomy with thread fixation			110 230 563	






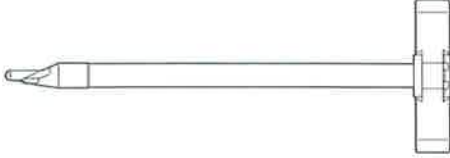
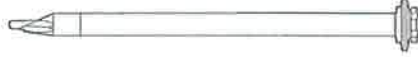



spare parts 10 mm




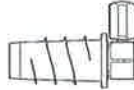
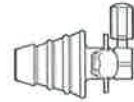
	length 70 mm	length 100 mm	length 120 mm	length 150 mm
cap seals				
10, standard			110 230 211	
for instr. Ø 5.0 – 6.0 mm			110 234 604	
for instr. Ø 9.0 – 10.0 mm			110 234 608	
valve flap				
10			110 230 215	
sealing rings				
for valve body			110 230 217	
for reducer adapter			110 230 218	
valve body				
10			110 630 901	
clamping screw				
for fixation sleeve and HASSON cone			110 230 901	






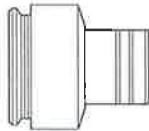
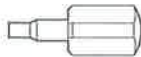
trocars 11 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
trocar sleeves					
with gas tap			110 632 200		
without gas tap			110 632 201		
trocars					
conical tip			110 232 100		
pyramidal tip			110 232 101		
pyramidal tip, closed			110 232 109		
shielded trocars					
with handle			110 232 133		
without handle			110 232 117		
obturator					
blunt tip, closed			110 232 308		


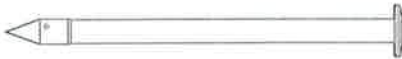
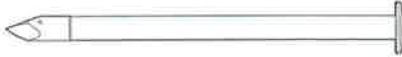
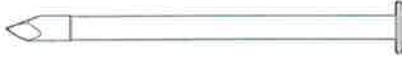
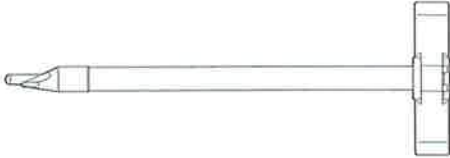


accessories 11 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
extraction sleeve					
11/5.5			110 232 405		
reducer adapters					
11/5.5			110 232 505		
11/8			110 232 508		
11/10			110 232 510		
flap reducers					
11/5.5			110 232 525		
11/8			110 232 528		
11/10			110 232 520		
fixation sleeve					
			110 232 550		
HASSON cone					
for mini laparotomy with thread fixation			110 232 563		

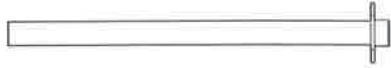



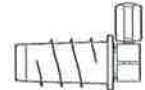
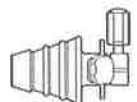
spare parts 11 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
cap seals					
10, standard			110 230 211		
for instr. Ø 9.0–10.0 mm			110 234 608		
valve flap					
10			110 230 215		
sealing rings					
for valve body			110 230 217		
for reducer adapter 11/5.5			110 231 218		
for reducer adapter 11/8			110 233 219		
valve body					
11			110 632 901		
clamping screw					
for fixation sleeve and HASSON cone			110 230 901		




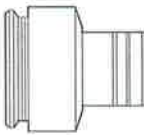

trocars 13 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
trocar sleeves					
with gas tap			110 637 200		
without gas tap			110 637 201		
trocars					
conical tip			110 237 100		
pyramidal tip			110 237 101		
pyramidal tip, closed			110 237 109		
shielded trocars					
with handle			110 237 133		
without handle			110 237 117		
obturator					
blunt tip, closed			110 237 308		






accessories 12.5 mm – 13 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
extraction sleeves					
12.5/5.5			110 233 405		
12.5/10			110 233 410		
reducer adapters					
12.5/5.5			110 233 505		
12.5/8			110 233 508		
12.5/10			110 233 510		
12.5/11			110 233 511		
flap reducers					
12.5/5.5			110 233 525		
12.5/8			110 233 528		
12.5/10			110 233 520		
12.5/11			110 233 521		
double flap reducers					
12.5/5.5+8			110 233 531		
12.5/5.5+10			110 233 530		
12.5/5.5+11			110 233 532		
12.5/8+10			110 233 533		
12.5/8+11			110 233 534		
12.5/10+11			110 233 535		
fixation sleeve					
			110 233 550		
HASSON cone					
for mini laparotomy with thread fixation			110 233 563		

spare parts 13 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
cap seal					
13, standard			110 237 211		
valve flap					
12,5			110 230 215		
sealing rings					
for valve body			110 230 217		
for reducer adapter 12.5/5.5, 12.5/8			110 233 218		
for reducer adapter 12.5/10			110 233 219		
valve body					
12,5			110 637 901		
clamping screw					
for fixation sleeve and HASSON cone			110 230 901		

trocars 16 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
trocar sleeves					
with gas tap			110 635 200	110 635 202	
without gas tap			110 635 201	110 635 203	
trocar					
pyramidal tip, closed			110 235 109	110 235 111	
shielded trocar					
without handle			110 235 117		
obturator					
blunt tip, closed			110 235 308		

accessories 16 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm	
extraction sleeves					
16/5.5			110 235 415	110 235 425	
16/12.5			110 235 412	110 235 422	
reducer adapters					
16/5.5			110 235 505		
16/10			110 235 510		
16/12.5			110 235 512		

spare parts 16 mm

	length 70 mm	length 100 mm	length 120 mm	length 150 mm
sealing				
16			110 235 211	
valve flap				
16			110 235 215	
valve body				
16			110 635 901	
sealing ring				
for valve body			110 235 217	

