

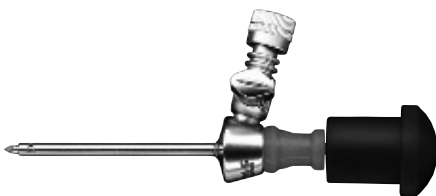
Trocars



- 2 - 3.5 mm Trocars
- 5 - 5.5 mm Trocars
- 7 - 10 mm Trocars
- 12.5 - 15 mm Trocars
- Trotec Shielded Trocars
- Dilatation and Extraction Instruments
- Fascial Closure Device
- Verres Needles
- Insufflators

Trocar Sleeves, 2 mm

with automatic valve

Trocar sleeve					
					
Instrument	WL	Inner Diameter	Without Port	With Port	Trocar, pyramidal tip
metal sleeve, standard	60 mm	2 mm	—	8309.012	8309.121
 with straight distal tip	100 mm	2 mm	—	8309.014	8309.123
plastic sleeve	60 mm	2 mm	8309.072	—	8309.121
 with retaining thread					

Replacement sealing caps, 12/pkg.,

for 2 mm trocar sleeves, 1-2 mm, red88.01RE

Luer locking cap,

for Luer port, 3 mm887.00

RIWO-ART Trocar Sleeves, 3.5 mm

with self sealing magnetic ball-valve

RIWO-ART trocar sleeves with insufflation port 					
Instrument	WL	Inner Diameter	With Port	Trocar, blunt, conical tip	Trocar, pyramidal tip
metal sleeve, standard	100 mm	3.5 mm	8903.014	8903.103	8903.123
straight distal tip					
plastic sleeve	60 mm	3.5 mm	8903.072	8903.101	8903.121
with retaining thread	100 mm	3.5 mm	8903.034	8903.103	8903.123

Replacement ball,

for RIWO-ART trocar sleeves, 3.5 mm8921.901

Replacement sealing caps, pkg of 12,

for RIWO-ART trocar sleeves, 3.5 mm, red89.01RE

Replacement O-rings, pkg of 10,

for RIWO-ART trocar sleeves, 3.5 mm8921.951

RIWO-ART Trocar Sleeves, 5.5 mm

with self sealing magnetic ball-valve

RIWO-ART trocar sleeves with insufflation port 							
Instrument	WL	Inner Diameter	Without Port	With Port	Trocar, blunt, conical tip	Trocar, conical tip	Trocar, pyramidal tip
 straight distal tip	60 mm	5.5 mm	8921.052	—	8921.101	8921.111	8921.121
	100 mm	5.5 mm	—	8921.014	8921.103	8921.113	8921.123
	150 mm	5.5 mm	—	8921.016	8921.105	8921.115	8921.125
 oblique distal tip	60 mm	5.5 mm	8921.051	—	8921.101	8921.111	8921.121
	100 mm	5.5 mm	—	8921.013	8921.103	8921.113	8921.123
 straight distal tip	60 mm	5.5 mm	8921.062	—	8921.101	8921.111	8921.121
	100 mm	5.5 mm	—	8921.024	8921.103	8921.113	8921.123
	150 mm	5.5 mm	—	8921.026	8921.105	8921.115	8921.125
 oblique distal tip	60 mm	5.5 mm	8921.061	—	8921.101	8921.111	8921.121
	100 mm	5.5 mm	—	8921.023	8921.103	8921.113	8921.123
 	60 mm	5.5 mm	8921.072	—	8921.101	8921.111	8921.121
	100 mm	5.5 mm	—	8921.034	8921.103	8921.113	8921.123

Replacement ball,

for RIWO-ART trocar sleeves, 5.5 mm 8921.901

Replacement sealing caps, pkg of 12,

for RIWO-ART trocar sleeves, 5.5 mm, blue 89.02BL

Replacement O-rings, pkg of 10,

for RIWO-ART trocar sleeves, 5.5 mm 8921.951

Trocar Sleeves, 5.5 mm

 Self-retaining, threaded, reusable, plastic trocar sleeve with automatic membrane valve, (8920.911) and sealing caps (89.02BL)				 Trocar, conical tip	 Trocar, pyramidal tip
Instrument	WL	Inner Diameter	Type		
	55 mm*	5.5 mm	8920.001	8920.011	8920.021
	95 mm	5.5 mm	8920.003	8920.013	8920.023
 Insertion sleeve	<i>This sleeve prevents the tip of the cannula being damaged when opening the valve of the trocar sleeve and protects instrument accessories (for example sealing caps, membrane valves etc.) from being damaged by sharp instruments.</i>				8383.00

*also suitable for pediatric laparoscopy

Replacement membrane valves, pkg of 1089.103

Replacement cap housing, pkg of 1,

for 5.5 mm trocar sleeves, (8920)15135.270

Replacement sealing caps, pkg of 12,

for 5.5 mm trocar sleeves, 5.5 mm, blue89.02 BL

Trocar Sleeves, 5.5 mm

 Reusable, plastic trocar sleeve with stopcock				 	
Instrument	WL	Inner Diameter	Type	Trocar, conical tip	Trocar, pyramidal tip
	65 mm	5.5 mm	8919.333	8919.3312	8919.3313
	105 mm	5.5 mm	8919.353	8919.3512	8919.3513
 Insertion sleeve	<i>This sleeve prevents the tip of the cannula being damaged when opening the valve of the trocar sleeve and protects instrument accessories (for example sealing caps, membrane valves etc.) from being damaged by sharp instruments.</i>				8383.00

Replacement sealing caps, pkg of 12,

for 5.5 mm trocar sleeves, 5.5 mm, blue89.02 BL

Trocar Sleeves, 5 mm / 5.5 mm

Insulated trocar sleeve with automatic clip valve



**Trocar 5.5 mm,
pyramidal tip**

Instrument	WL	Inside Diameter	Type	
without stopcock	100 mm	5.5 mm	8351.07	8351.14
with stopcock	100 mm	5.5 mm	8940.07	8351.14

Insulated trocar sleeve without automatic valve



**Trocar 5.5 mm,
pyramidal tip**

Instrument	WL	Inside Diameter	Type	
without stopcock	120 mm	5.5 mm	8351.03	8351.14

Insulated Reich self-retaining trocar sleeve without automatic valve



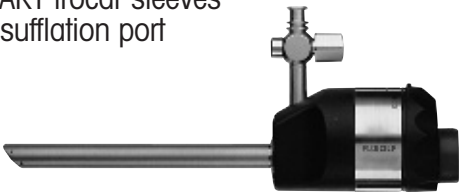
**Trocar 5 mm,
pyramidal tip**

Instrument	WL	Inside Diameter	Type	
without stopcock	55 mm	5 mm	8351.02	8351.122

Replacement sealing caps, pkg of 12,
for 5.5 mm and 5 mm trocar sleeves, 5 mm, blue89.02 BL

RIWO-ART Trocar Sleeves, 7 mm

with self sealing magnetic ball-valve

						
Instrument	WL	Inner Diameter	With Port	Trocar, blunt conical tip	Trocar, conical tip	Trocar, pyramidal tip
metal sleeve, standard	100 mm	7 mm	8922.014	8922.103		8922.123
 straight distal tip	150 mm	7 mm	8922.016	—	8922.115	8922.125

Vario Port reducer,

7 mm - 5 mm8923.802
(Also works as 12.5 mm and 10 mm - 5 mm)

Replacement ball,

for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.901

Replacement O-rings, pkg of 10,

for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.951

Replacement sealing caps, pkg of 12,

for RIWO-ART trocar sleeves, 7 mm, brown89.171BR

Replacement sealing caps, pkg of 12,

for Vario Port reducer (8923.801)89.02BL

Trocar Sleeves, *8 mm*

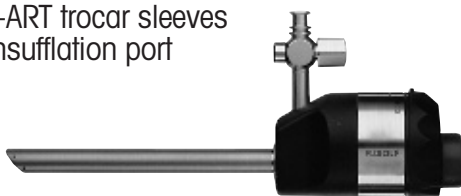
with trumpet valve, metal

				
Instrument	WL	Inner Diameter	Type	Trocar, pyramidal tip
 straight distal tip	105 mm	8 mm	8932.01	8932.12

Replacement sealing caps, pkg of 12,
for 8 mm trocar sleeves, 8 mm, yellow89.05YE

RIWO-ART Trocar Sleeves, 10 mm

with self sealing magnetic ball-valve

 RIWO-ART trocar sleeves with insufflation port						
Instrument	WL	Inner Diameter	With Port	Trocar, blunt conical tip	Trocar, conical tip	Trocar, pyramidal tip
metal sleeve, standard	100 mm	10 mm	8923.014	8923.103	8923.113	8923.123
	150 mm	10 mm	8923.016	—	8923.115	8923.125
metal sleeve, standard	100 mm	10 mm	8923.013	8923.103	8923.113	8923.123
						
metal sleeve with retaining thread	100 mm	10 mm	8923.024	8923.103	8923.113	8923.123
	150 mm	10 mm	8923.026	—	8923.115	8923.125
metal sleeve with retaining thread	100 mm	10 mm	8923.023	8923.103	8923.113	8923.123
						

Vario Port reducer,

10 mm - 5 mm8923.802
(Also works as 12.5 mm and 7 mm - 5 mm)

Replacement ball,

for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.901

Replacement O-rings, pkg of 10,

for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.951

Replacement sealing caps, pkg of 12,

for Vario Port reducer, 5 mm89.02BL

Replacement sealing caps, pkg of 12,

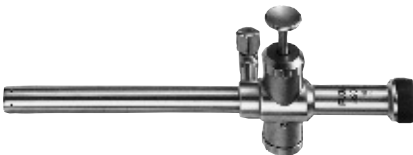
for RIWO-ART trocar sleeves, 10 mm, red89.08RE

Self retaining sleeve, for standard

RIWO-ART trocar sleeves, 10 mm,

10 mm8934.301

Trocar Sleeves / Self-retaining Sleeves, 10 mm

with trumpet valve, metal						
Instrument	WL	Inner Diameter	Type	Trocar, conical tip	Trocar, pyramidal tip	
 straight distal tip	100 mm	10 mm	8934.01	8923.113	8923.123	
	145 mm	10 mm	8934.071**	8923.115	8923.125	
 oblique distal tip	100 mm	10 mm	8934.03*	8923.113	8923.123	

*The trocar sleeve with the oblique tip allows tissue to be penetrated more easily.

**long version for heavier patients

Replacement sealing caps, pkg of 12,

for 10 mm trocar sleeves, 10 mm, red89.08 RE



For 10 mm trocar sleeves:*

Self-retaining sleeve, 10 mm8934.301

*for use with 8934... series and 8923... series RIWO-ART trocar sleeves

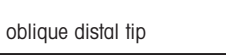
Sliding Cone for 10 mm RIWO-ART Trocar Sleeves for Open Laparoscopy / Pelviscopy

8934.901 	Sliding cone to fit over trocar sleeves shown below. Also fits R.Wolf trumpet valve 10 mm trocar sleeves with smooth sheath, 8934.01/.03/.071			8934.901
Instrument	Working Length	Inner Diameter	Type	also available: Obturator , blunt tip
 RIWO-ART trocar sleeve (standard length)	100 mm	10 mm	8923.014	8934.15
 RIWO-ART trocar sleeve and oblique distal tip (standard length)	100 mm	10 mm	8923.013	8934.15
 RIWO-ART trocar sleeve (long version)	150 mm*	10 mm	8923.016	8934.175

*long version for heavier patients

	To expose anatomical layers: Tissue retractors, S-shaped, set of two	8928.90
---	--	-----------------------

RIWO-ART Trocar Sleeves, 12.5 mm with self sealing magnetic ball-valve

RIWO-ART trocar sleeves						
Instrument	WL	Inner Diameter	With Port	Trocar, blunt conical tip	Trocar, conical tip	Trocar, pyramidal tip
metal sleeve, standard 	100 mm	12.5 mm	8924.014	8924.103	8924.113	8924.123
straight distal tip 	150 mm	12.5 mm	8924.016	—	8924.115	8924.125
metal sleeve, standard 	100 mm	12.5 mm	8924.013	8924.103	8924.113	8924.123
oblique distal tip 						
metal sleeve with retaining thread 	60 mm	12.5 mm	8924.022			8924.121
straight distal tip 	150 mm	12.5 mm	8924.026	—	8924.115	8924.125

Vario Port reducer,
12.5 mm - 10 mm8924.802

Replacement sealing caps, pkg of 12,
for Vario Port reducer, 10 mm89.08 RE

Vario Port reducer,
12.5 mm - 5.5 mm8923.802
(Also works as 12.5 mm-7 mm)

Replacement sealing caps, pkg of 12,
for Vario Port reducer, 5 mm.....89.02 BL

Replacement ball,
for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.901

Replacement O-rings, pkg of 10,
for RIWO-ART trocar sleeves, 7 - 12.5 mm8923.951

Replacement sealing caps, pkg of 12,
for RIWO-ART trocar sleeves, 12.5 mm, blue89.09 BL

Trocar Sleeve, 15 mm

with flap valve

			
Instrument	WL	Inner Diameter	Type
 straight distal tip	100 mm	15 mm	8943.60
Dilation 10-15 mm rod and sleeve set			8943.601

Replacement sealing caps, pkg of 10,
for 15 mm trocar sleeve, gray8943.602

Replacement valve door seals, pkg of 10,
for 8943.60 trocar sleeve.....8943.603

TROTEC

Trocars with automatic shielding function



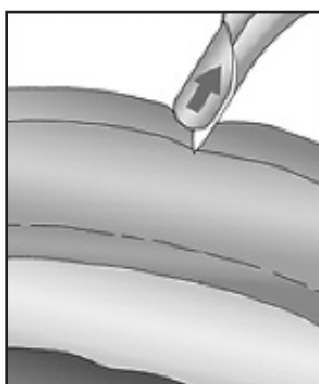
Conical Tip

Conical tip dilates fascia for secure holding of the trocar sleeve in the abdominal wall.

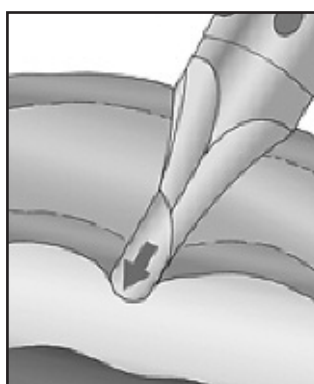


Linear Tip

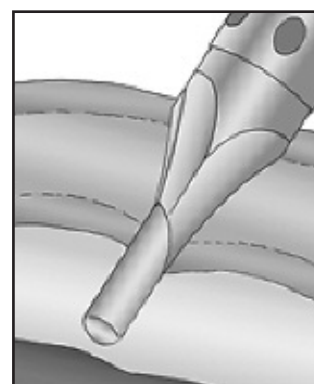
Linear blade provides for easy penetration of the abdominal wall, and minimizes fascial defect size.



The shielding rod retracts automatically into the cannula when it makes contact with the abdominal wall.



Immediately after penetrating the peritoneum, the shielding rod snaps back into the free abdominal cavity.

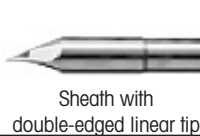


The extreme distal position of the atraumatic shielding rod covers the trocar tip after insertion.

TROTEC trocar consisting of:



Sheath with conical tip



Sheath with double-edged linear tip



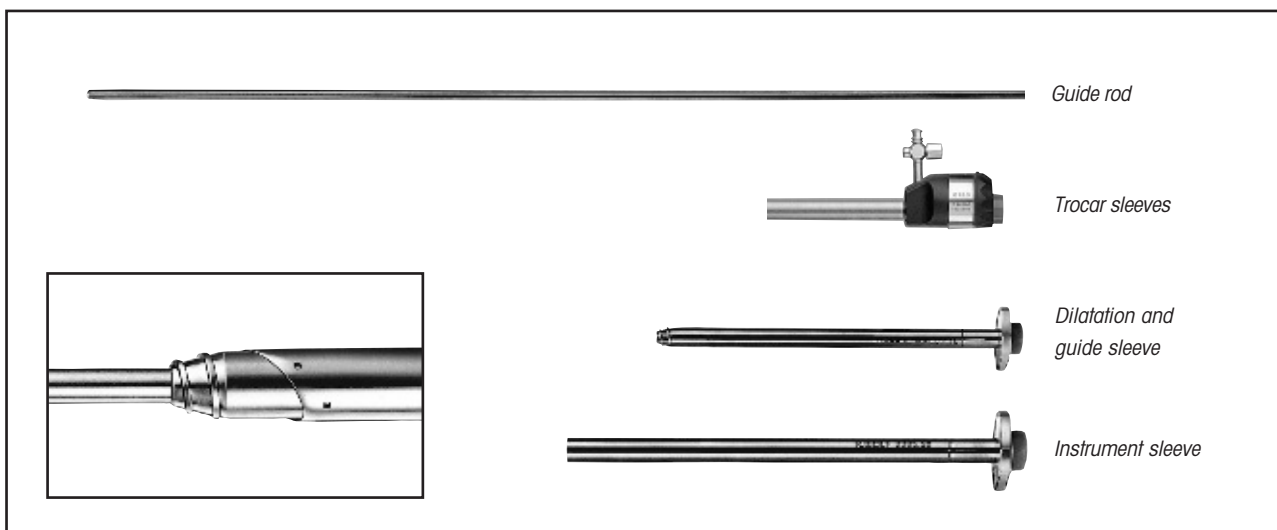
Handle with spring-mounted rod



For RIWO-ART trocar sleeves:

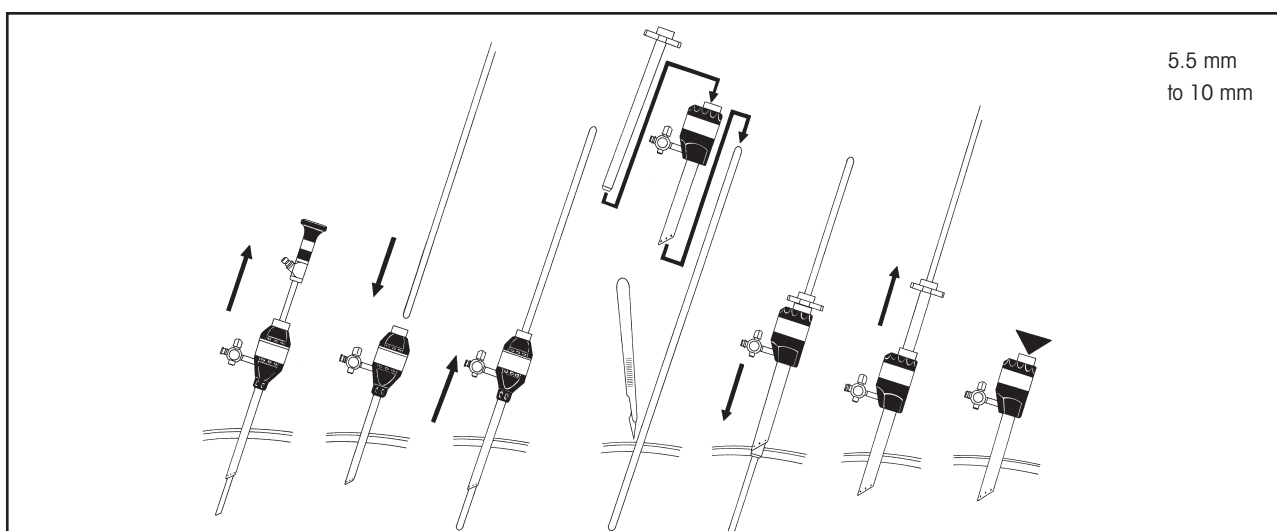
WL mm	Diameter mm	TROTEC trocar complete with sheath and spring rod
100	5.5	8921.131
100	5.5	8921.133
100	10.0	8923.131
100	10.0	8923.133
100	12.5	8924.131
100	12.5	8924.133

Dilatation and Extraction Instruments

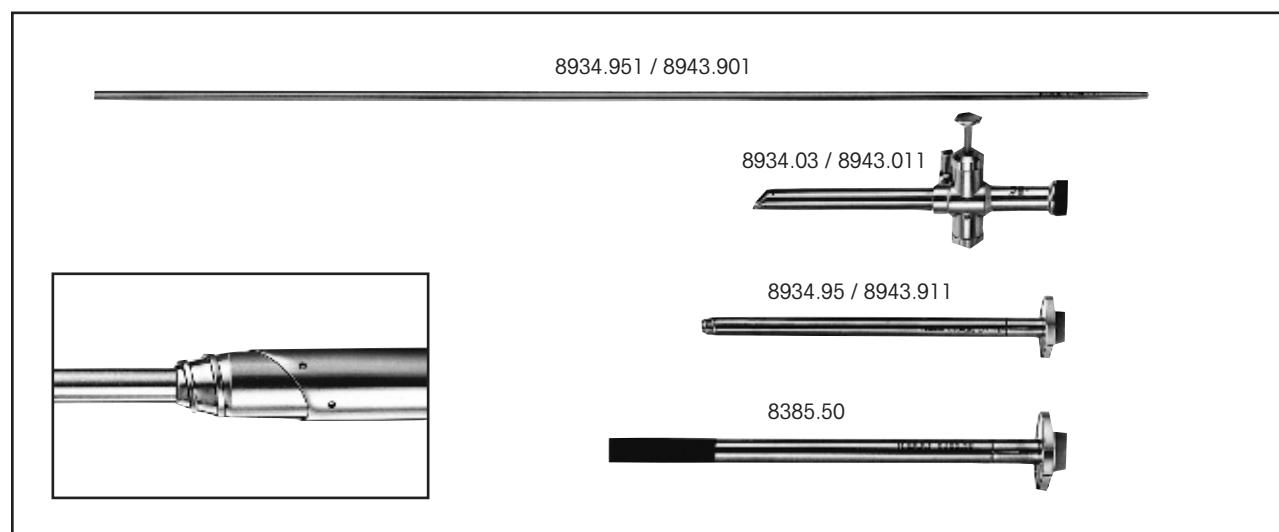


To extend the puncture site from	Guide rod	Trocar sleeve	Dilatation and guide sleeve	Instrument sleeve and extractor
5.5 - 10 mm	8934.951	8923.013	8934.95	8385.50*
10 -12.5 mm	8943.901	8924.013	8924.931	—

* for sealed application of 5 mm instruments in the 10 mm trocar sleeve and for extraction of the appendix.

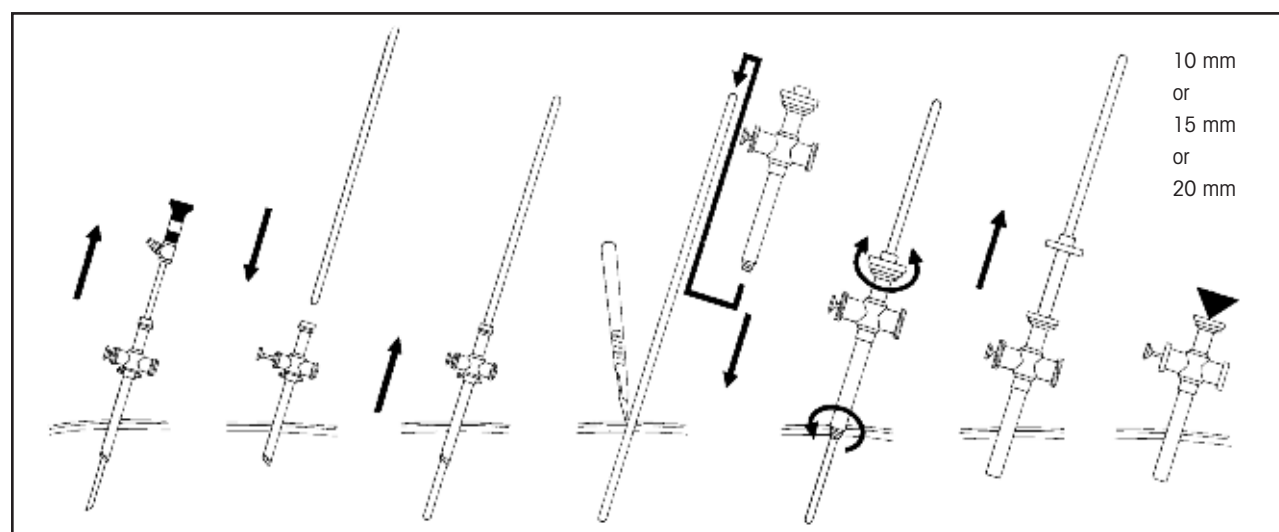


Dilatation and Extraction Instruments, 5-10 mm



To expand the puncture site	Guide rod	Trocar sleeve with trumpet valve	Dilatation and guide sleeve	Instrument sleeve and extractor
5 -10 mm	8934.951	8934.03	8934.95	8385.50*
10 -15 mm	8943.901	8943.011	8943.911	

*for sealed application of 5 mm instruments in the 10 mm trocar sleeve and for extraction of the appendix.



Reducing Sleeves and Adapters

for trocar sleeves

				
Description	Outer Diameter	Working Length	Inner Diameter	Type
10 / 5 mm Instrument sleeve and extractor	10 mm	170 mm	5 mm	8385.50
10 / 5 mm Reducing sleeve	10 mm	160 mm	5.5 mm	8934.98

Replacement sealing caps, pkg of 12,

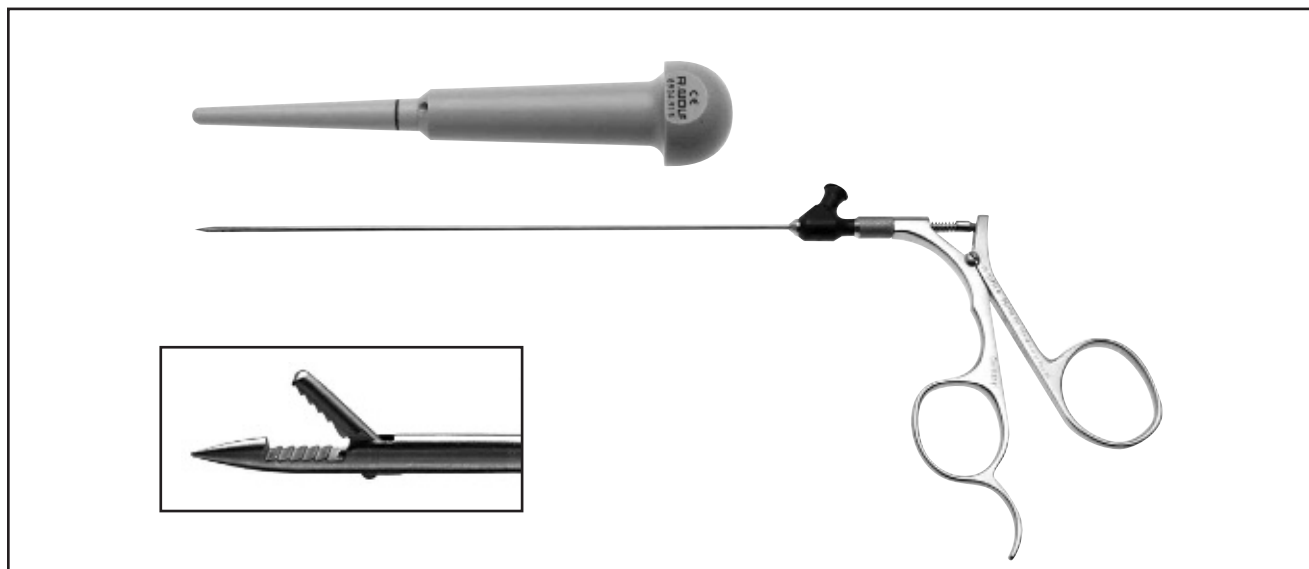
for 5 mm instruments, blue89.02 BL

for 10 mm instruments, red89.08 RE

	Description	Reduce from	To	Type
	VARIO-PORT reducing adapter (pkg of 5)	12.5 mm Ø 10.0 mm Ø 7.0 mm Ø	5.5 mm Ø	8923.802
		12.5 mm Ø	10.0 mm Ø	8924.802

Fascial Closure System

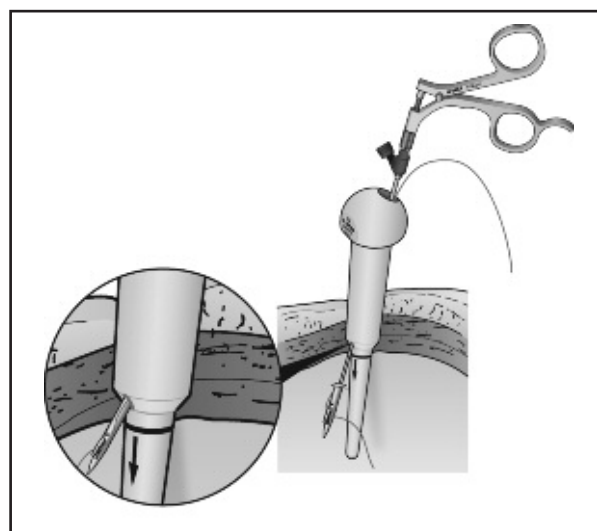
for visualized full-thickness closure of trocar defects



- ☐ Extended tip of the guide allows easy insertion and preserves pneumoperitoneum
- ☐ Marking on the guide indicates the position for placement of the ligature
- ☐ Suture is grasped with the forceps and passed through the hole in the guide
- ☐ Sutures are tied under direct visual control

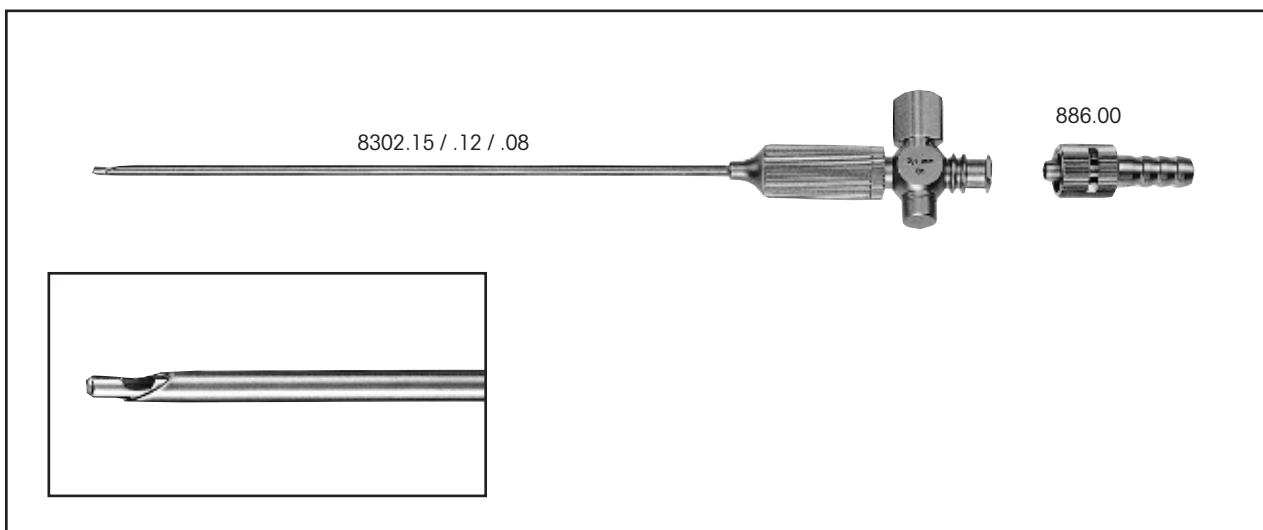
Fascial Closure Kit:8756.205

Closure guide 10-12 mm (8934.915), closure guide 12-15 mm (8943.915), closure guide 15-20 mm (8945.915), needle-tipped grasper (8756.201) and instrument tray for storage and sterilization (8585.091M)



Verres Needles

for establishing the pneumoperitoneum



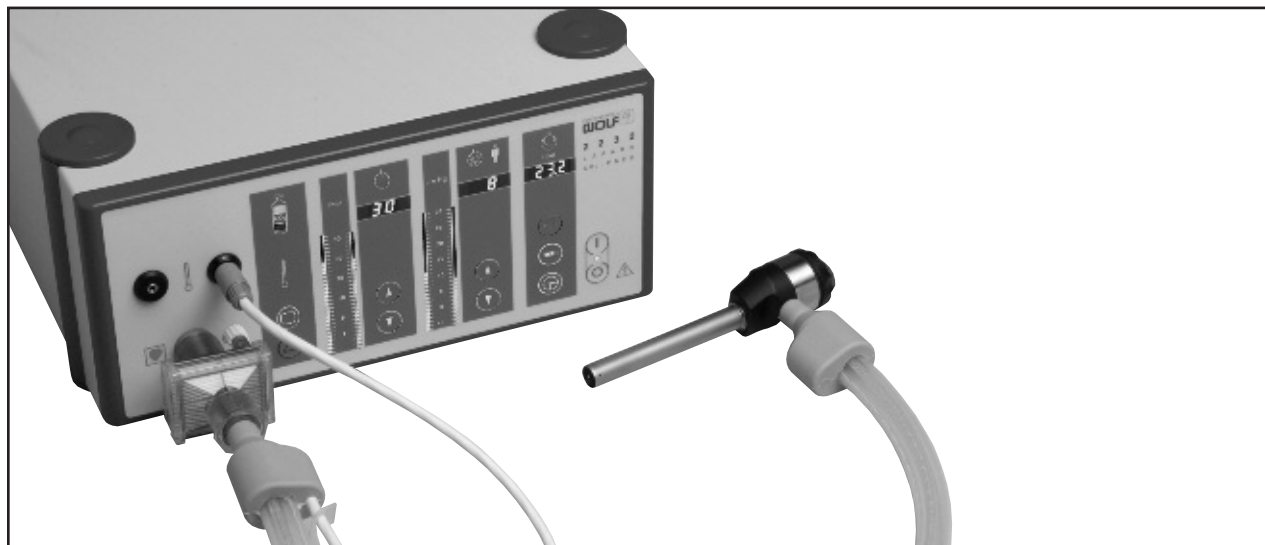
Verres Needles,

including detachable Luer lock connector (886.00),

150 mm working length	8302.15
120 mm working length (standard length)	8302.12
80 mm working length.....	8302.08

Laparoscopic CO₂ Insufflator 2232

up to 30 L/min



Laparoscopic CO₂ Insufflator

Included with insufflator:

CO₂ hose (2026.62), CO₂ yoke (2026.64),
power cord (N710154), 1 box of disposable
high-flow tubing (4170.512)2232.601

Laparoscopic CO₂ Insufflator with electronic circuits for gas warming

Included with insufflator:

CO₂ hose (2026.62), CO₂ yoke (2026.64),
power cord (N710154), reusable insufflation tube
for gas warming (8170.201), 1 box of disposable
filters (4171.111), 1 box of disposable high-flow
tubing (4170.512)2232.621

High-flow insufflation tubing

disposable, with high flow filter,

sterile, box of 104170.512

High-flow insufflation tubing for gas warming

reusable, autoclavable, 10ft. long8170.201

Filters for gas warming tubing

disposable, sterile, box of 104171.111

CO₂ high pressure hose2026.62

CO₂ yoke2026.64

Universal tube set adapter886.231

Verres Needle, 120mm WL8302.12

Verres Needle, 150mm WL8302.15

Please Note:

High-flow disposable tubing sets 4170.512 may be used on the
2232.621 unit when not using the gas warming feature.

Laparoscopic CO₂ Insufflator 2236

40 L/min



- ❑ High-flow insufflation up to 40 liters/minute
- ❑ Gas warming feature - warms CO₂ to body temperature
- ❑ Variable flow rate for verres needle or trocar
- ❑ Automatic over-pressure alarm

40 L/min Laparoscopic CO₂ Insufflator

Included with insufflator:

CO₂ hose (2026.62), CO₂ yoke (2026.64),

disposable high flow tubing with filter,

10/box (4170.512).....2236.6011

Accessories:

High-flow insufflation tubing

disposable, with high flow filter,

sterile, box of 104170.512

High-flow insufflation tubing for gas warming

reusable, autoclavable, 10ft. long8170.201

Filters for gas warming tubing

disposable, sterile, box of 104171.111

CO₂ high pressure hose2026.62

CO₂ yoke.....2026.64

Universal tube set adapter886.231

Verres Needle, 120mm WL.....8302.12

Verres Needle, 150mm WL.....8302.15