

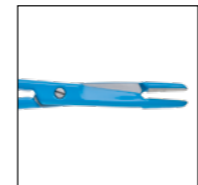
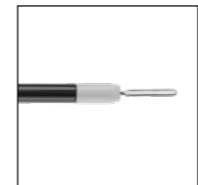
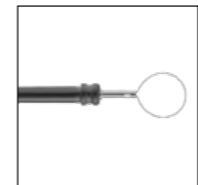
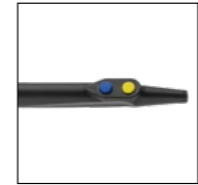
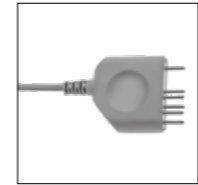
# HF SURGERY & ACCESSORIES



# HF SURGERY

High frequency surgery is one of the most common procedures and present in nearly every operating room all over the world. Surgeons in small doctor's offices and even in grand hospitals use it for procedures in every medical field of application. There are a variety of electro-surgical instruments available for open and laparoscopic surgeries.

We offer our G44 and G400 HF Units as well as the most common fitting accessory parts. Instruments for special procedures like arthroscopy, urology, hysteroscopy and laparoscopy surgery can be found in our corresponding catalogues.



ELECTROSURGICAL GENERATORS

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theRZeal INSTRUMENTS

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FURTHER HF INSTRUMENTS

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Trade Product Symbol  
Products marked with this TradeProduct-Symbol are not available with RZ-Marking and not with the CE-number of RZ.



10" Touchscreen



Easy readable interface design



Tiltable display



Instrument detecting sockets



### Electrosurgical Generator G400

- Automatic power regulation
- Detects and identifies connected instrument, and selects the appropriate program automatically (SDS plug only)
- Powerstart System eases the beginning of cutting process
- 105 various automatic programmes in 7 groups
- Real-time monitoring of output parameters
- For bipolar TUR-B/P and monopolar TUR-P

700-350-400	Electrosurgical Generator G400, 230V
700-350-410	Electrosurgical Generator G400, 110V
700-350-420	with Argon, 230V
700-350-430	with Argon, 110V
700-350-460	with the RZeal, 230V
700-350-470	with the RZeal, 110V
700-350-450	with the RZeal and Argon, 110V
700-350-440	with the RZeal and Argon, 230V



## Electrosurgical Generator G400 Technical Data

### SAFETY FEATURES

Class / Grade	I / CF
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	cc. to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	cc. to EN60601-1

NEM System	neutral electrode control optical indication 7 levels required resistance < 240 Ω
------------	--

### GENERAL

Supply voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Rated power input	500W
Weight	12.2kg
Dimensions	495 x 415 x 225mm (LxWxH)

### ARGON\*

Gas type	pure argon 4.8 (99,998%) or higher
Inlet gas pressure	0.25 - 0.4 [MPa]
Gas outflow	0.1-10 l/min, regulated 0.1 l/min in whole range
Pressure range	reducer (0.4 MPa) on argon cylinder

### theRZeal\*\*

Vessel sealing system	9 effects / 300W
AutoStop	automatic stop of sealing process after achieving the optimal effect

### MONOPOLAR CUTTING

Mono Cut	9 effects / 350W
Precise Cut	9 effects / 50W
Mixed Cut	9 effects / 150W
Polipo Cut**	9 levels
Papillo Cut**	9 levels
Arthro Cut**	9 levels
Uro Cut**	9 levels
Hystero Cut**	9 levels
Argon Cut**	9 effects / 350W

### BIPOLAR CUTTING

Bi-Cut	9 effects / 120W
Uro Bi-Cut**	9 levels
Arthro Bi-Cut**	9 levels

### MONOPOLAR COAGULATION

Soft Coag	9 effects / 200W
Forced Coag	9 effects / 200W
Spray Coag	80W
Hybrid Coag	9 effects / 200W
Standard Argon*	80W
Endo Argon*	40W
Pulse Argon*	40W
Uro Coag**	9 levels
Athro Coag**	9 levels
Hystero Coag**	9 levels

### BIPOLAR COAGULATION

Soft Bi-Coag	9 effects / 120W AutoStart / AutoStop
Forced Bi-Coag	9 effects / 120W AutoStop
Uro Bi-Coag**	9 levels
Arthro Bi-Coag**	9 levels
Sciss Bi-Coag**	9 levels



YouTube setup and operation Video on the RZ YouTube Channel:  
<https://youtu.be/MhNzO1LMn-k>

\* available only in Argon-Version

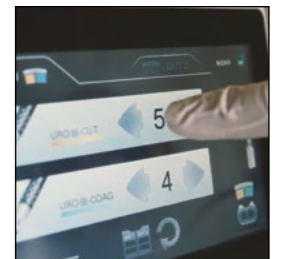
\*\* available only in theRZeal + Argon-Version



7" Touchscreen



Real-time parameter control



Instrument detecting sockets



### Electrosurgical Generator G44

- Intelligent Instrument detection system
- Intuitive Touchscreen
- Automatic power regulation
- Configurable working modes
- Real-time parameter control
- Special endoscopic modes
- Bipolar resection
- Easy software update

700-340-400	Electrosurgical Generator G44, 230V (for Urology / Hysteroscopy)
700-340-410	Electrosurgical Generator G44, 110V (for Urology / Hysteroscopy)
700-340-430	Electrosurgical Generator G44, 230V (for Arthroscopy)
700-340-420	Electrosurgical Generator G44, 110V (for Arthroscopy)



Electrosurgical Generator G44 Technical Data

SAFETY FEATURES

Protection against electric shock	I / CF
Low-frequency leakage currents	acc. to IEC 60601-1
High-frequency leakage currents	cc. to IEC 60601-2-2
Generator operation frequency	333 kHz
Defibrillation impulse resistance	cc. to IEC 60601-1
NEM System	neutral electrode control, optical indication, required resistance < 240 Ω

GENERAL

Supply voltage	230 V +/- 10% 50 Hz or 110 V +/- 10% 60 Hz
Rated power input	1100 VA
Weight	7kg
Dimensions	385 x 305 x 141mm (LxWxH)

MONOPOLAR CUTTING max. 400W (100 Ω)

Mono Cut	
Precise Cut	
Mixed Cut	9 effects
Uro Cut	
Hystero Cut	

BIPOLAR CUTTING max. 330W (150 Ω)

Bi-Cut	9 effects
Uro Bi-Cut	9 effects

MONOPOLAR COAGULATION max. 200W (200 Ω)

Soft Coag	9 effects
Forced Coag	9 effects
Spray Coag	80 effects / 80W
Hybrid Coag	9 effects
Uro Coag	9 effects
Hystero Coag	9 effects

BIPOLAR COAGULATION max. 400W (25 Ω)

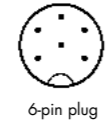
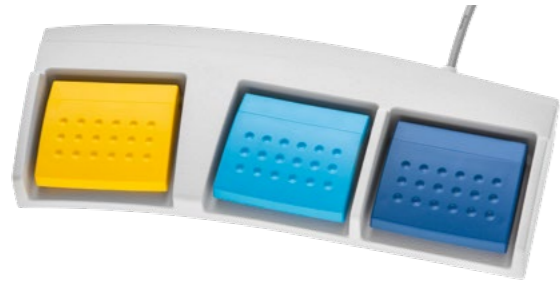
Soft Bi-Coag	9 effects AutoStart / AutoStop
Forced Bi-Coag	9 effects AutoStop
Uro Bi-Coag	9 effects
Sciss Bi-Coag	9 effects



YouTube setup and operation Video on the RZ YouTube Channel:  
<https://youtu.be/Pr-1Er1EO8M>



700-350-401 3-Button-Footswitch and  
1 Vario-Switch-Button\*  
Wireless (for G400 Generator)



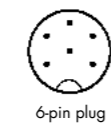
700-350-306 3-Button-Footswitch, cable length: 5m,  
(for G400 Generator)



700-350-403 2-Button-Footswitch and  
1 Vario-Switch-Button\*  
Wireless



700-350-402 2-Button-Footswitch and  
1 Vario-Switch-Button\*, length: 5m



700-350-405 2-Button-Footswitch, length: 5m

\*VARIO SWITCH BUTTON:  
Allows remote changing of the settings with a single press of the button (only G400 Generator).



300-001-700 RZ Trolley for HF devices  
with drawer, two shelves  
861 x 614 x 625mm (H x W x D)



300-001-982 CO2 Gas bottle holder for 20 - 50 L  
with shelf/holder

CALES FOR UROLOGY

SDS Plug, pre-coded.  
G400 Unit identifies  
Urology automatically

For bipolar resectoscopes	4.5m	700-500-453
For monopolar resectoscopes and electrodes	4.5m	700-501-453

CABLES FOR ARTHROSCOPY

SDS Plug, pre-coded.  
G400 Unit identifies  
Arthroscopy automatically

For bipolar electrodes	3m	700-500-300
	5m	700-500-500
For monopolar electrodes	3m	700-501-300
	5m	700-501-500

CABLES FOR HYSTEROSCOPY

SDS Plug, pre-coded.  
G400 Unit identifies  
Hysteroscopy automatically

For bipolar resectoscopes	4.5m	700-500-453
For bipolar coagulation electrodes	3m	700-500-300
	5m	700-500-500
For monopolar coagulation resectoscopes	4.5m	700-501-453

CABLES FOR LAPAROSCOPY

SDS Plug, pre-coded.  
G400 Unit identifies  
Laparoscopy automatically

For bipolar electrodes and instruments	3m	700-500-300
	5m	700-500-500
For monopolar electrodes and instruments	3m	700-501-300
	5m	700-501-500

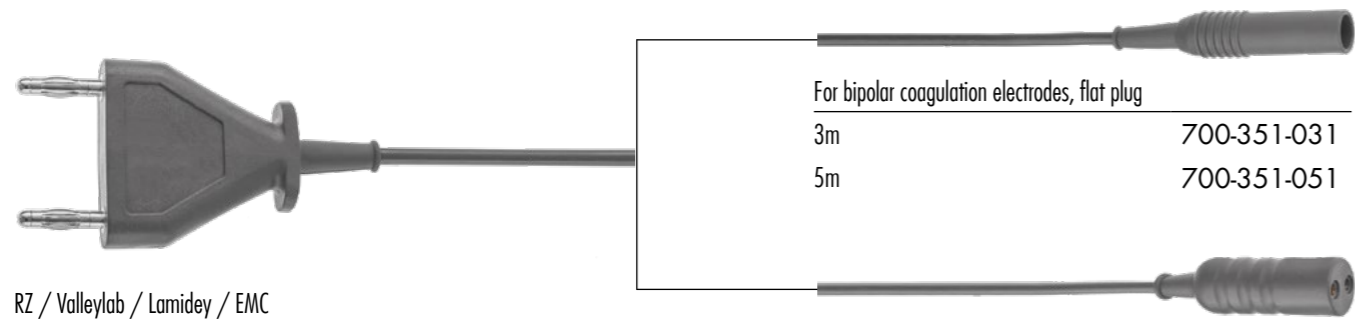
CABLES FOR BIPOLAR SCISSORS

SDS Plug, pre-coded.  
G400 Unit identifies  
Instrument automatically

For bipolar scissors	3m	700-500-305
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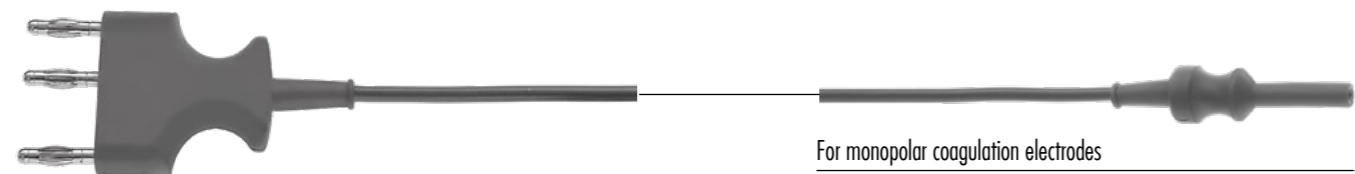


CABLES FOR LAPAROSCOPY / ENT / ARTHROSCOPY  
UROLOGY & HYSTEROSCOPY



For bipolar coagulation electrodes, flat plug	
3m	700-351-031
5m	700-351-051

RZ / Valleylab / Lamidey / EMC

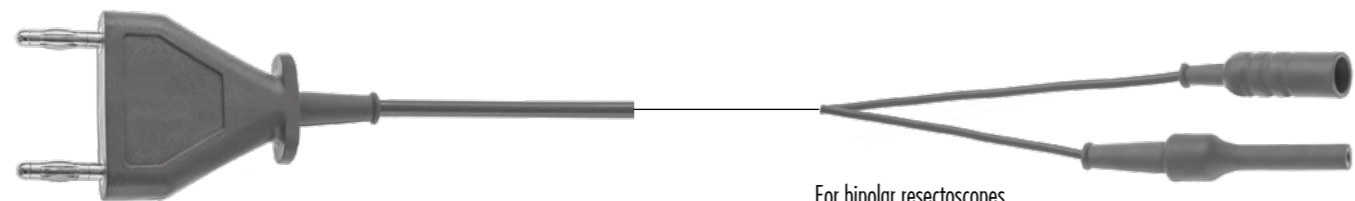


For bipolar coagulation electrodes, 2-pin plug	
3m	700-300-203
5m	700-300-205

RZ HF Unit Standard Plug

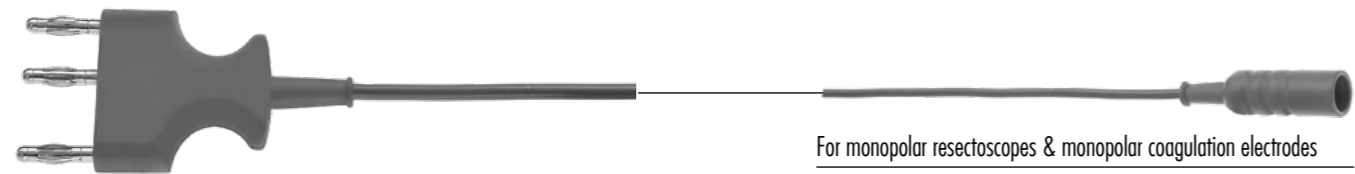
For monopolar coagulation electrodes	
3m	700-501-303
5m	700-501-503

CABLES FOR UROLOGY & HYSTEROSCOPY



For bipolar resectoscopes	
4.5m	253-400-603

RZ / Valleylab / Lamidey / EMC




For monopolar resectoscopes & monopolar coagulation electrodes	
4.5m	700-501-045

RZ HF Unit Standard Plug

NEUTRAL ELECTRODES & CABLES



Neutral Electrode, single use, pack of 50pcs. 

Adult	700-503-000
Children	700-503-001



RZ / Valleylab /  
Erbe / Conmed  
4.5m



700-503-003  
(for single use neutral electrode)



700-700-005  
260 x 150mm



700-700-003  
160 x 80mm



Erbe / Integra /  
KLS Martin  
4.5m



700-503-013  
(for single use neutral electrode)

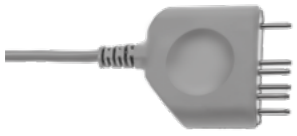





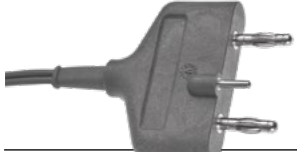


700-700-006  
260 x 150mm



700-700-004  
160 x 80mm

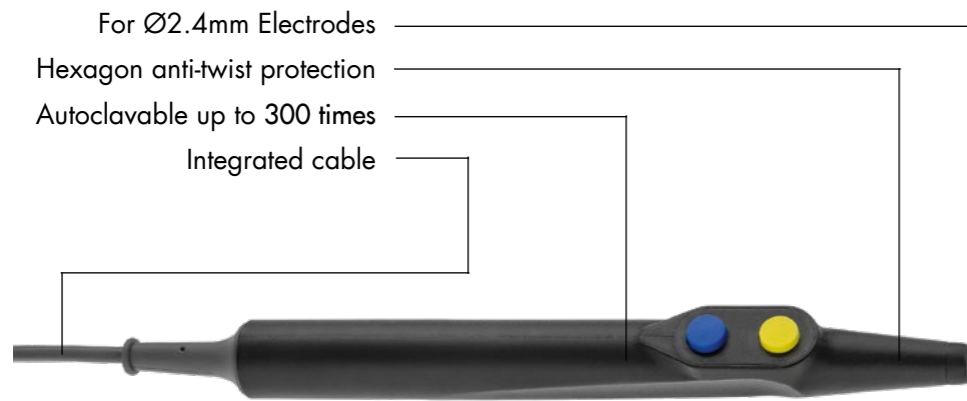
BIPOLAR CABLES

		Flat plug	Flat plug, angled	Flat plug, square	2-pin plug
	RZ HF Unit SDS Plug, programmable	3m 700-500-300			
		5m 700-500-500			
	2-Banana*	3m 700-350-030	300-860-100	700-350-130	700-351-030
		5m 700-350-050	300-860-111	700-350-150	700-351-050
	Erbe	3m 700-101-001	700-100-130	700-101-130	700-100-102
		5m 700-100-101	700-100-150	700-101-150	700-100-103
	Martin, Aesculap Berchtold	3m 700-287-030	700-200-130	700-287-130	700-200-132
		5m 700-287-050	700-200-150	700-287-150	700-200-152
	RZ, Valleylab, Lamidey, EMC	3m 700-351-031	700-300-003	700-351-131	700-300-203
		5m 700-351-051	700-300-005	700-351-151	700-300-205
	Erbe EMC/Dolley	3m 700-400-050	700-400-003	700-400-103	700-400-203
		5m 700-400-055		700-400-105	
	Valleylab autobipolar	3m 700-400-030		700-400-130	
		5m			

2-pin plug, angled	2-pin plug, angled	Round plug	R. Wolf plug	Karl Storz plug	Ethicon Scissors plug	Aesculap Plug
700-345-403	700-345-003	700-739-003	700-630-003	700-351-047	700-351-053	700-200-030
700-345-405	700-345-005	700-739-005		700-351-048	700-351-055	700-200-050
700-101-230		700-100-202	700-100-104	700-100-302	700-100-402	700-100-502
700-101-250		700-100-303	700-100-105	700-100-305	700-100-405	700-100-505
700-287-230		700-200-232	700-390-030	700-200-332	700-200-432	700-200-532
700-287-250		700-200-252	700-390-050	700-200-352	700-200-452	700-200-552
700-351-231	700-300-403	700-736-003	700-300-503	700-300-603	700-300-703	
700-351-251	700-300-405	700-736-005	700-300-505		700-300-705	700-300-805
700-400-303	700-400-403	700-400-503		700-400-603		
		700-400-205				

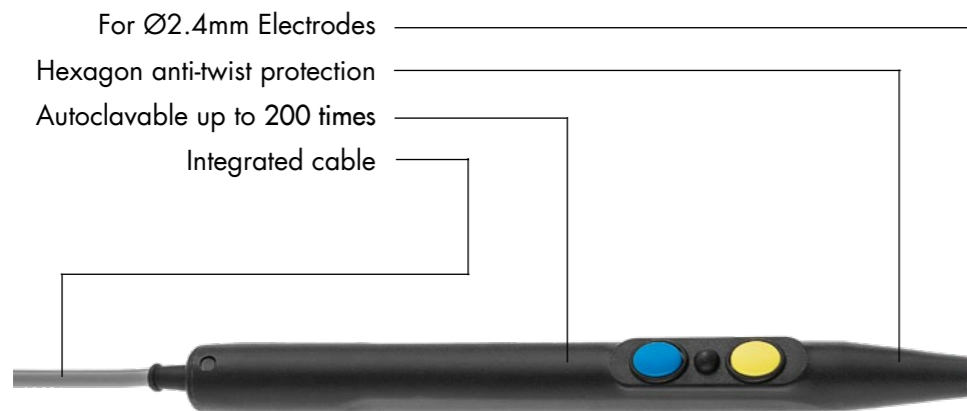
\* Not available with CE marking within Europe

## HF PENCIL HANDLES WITH INTEGRATED CABLES



**1** Handle with integrated cable, 2 Buttons

1pc.



**2** Handle with integrated cable, 2 Buttons

1pc.

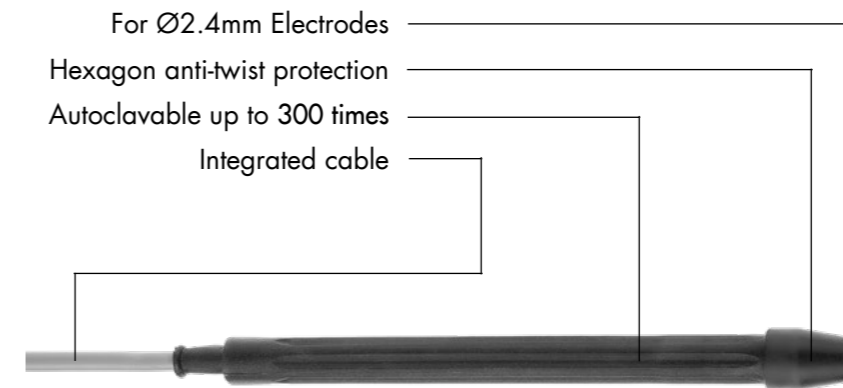


Generator end for **1**

Erbe / Storz	Martin	Valleylab / RZ
5m 700-700-125	5m 700-700-123	4m 700-700-120

Generator end for **2**

Erbe / Storz	Martin	Valleylab / RZ
4m 700-700-025	4m 700-700-023	4m 700-700-020



Handle with integrated cable, without buttons

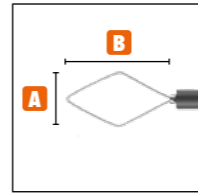
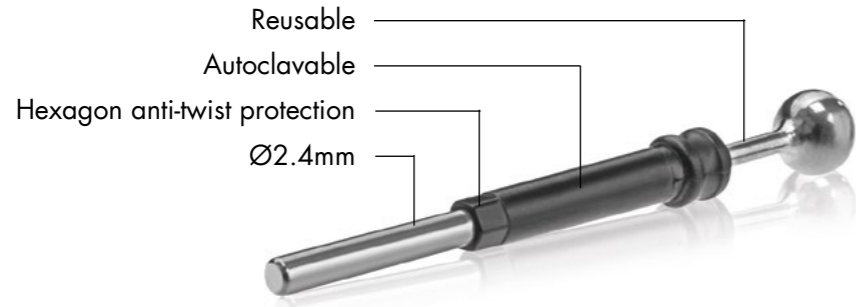
1pc.



Generator end

4mm	
5m	700-700-018

ACTIVE MONOPOLAR  
ELECTRODES



Needle  
20mm / Ø 0.7mm 5 pcs. 700-700-057



Tungsten  
20mm / Ø 0.5mm 5 pcs. 700-700-056



Tungsten, angled  
20mm / Ø 0.5mm 5 pcs. 700-700-055



Tungsten, with ceramic isolation  
25mm / Ø 0.5mm 1 pc. 700-700-054



Wire loop, triangular, flexible  
**A** 9mm, Ø 0.2mm 5 pcs. 700-700-049



Wire loop, triangular, flexible  
**A** 7mm, Ø 0.2mm 5 pcs. 700-700-048



Wire loop, flexible  
Ø 5mm, Ø 0.2mm 5 pcs. 700-700-043



Wire loop, rhombus, flexible  
**A** 6mm, **B** 10mm 5 pcs. 700-700-050



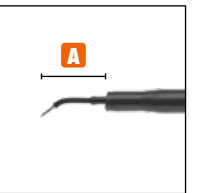
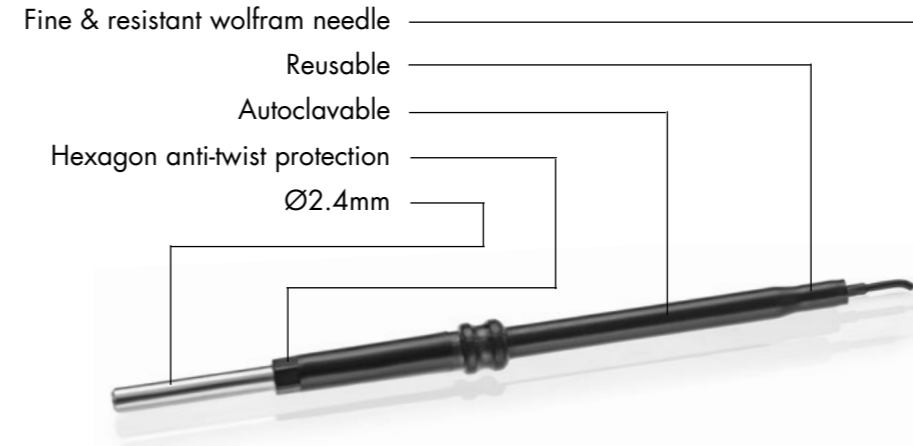
Ball, flexible  
Ø 1mm 5 pcs. 700-700-045



Wire loop, flexible  
Ø 8mm, Ø 0.2mm 5 pcs. 700-700-044



Ball, flexible  
Ø 3mm 5 pcs. 700-700-046



Needle  
**A** 5mm / Ø 0.4mm 5 pcs. 700-700-030



Needle  
**A** 20mm / Ø 0.5mm 1 pc. 700-700-031



Needle, angled  
**A** 20mm / Ø 0.5mm 1 pc. 700-700-032

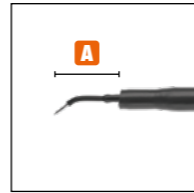
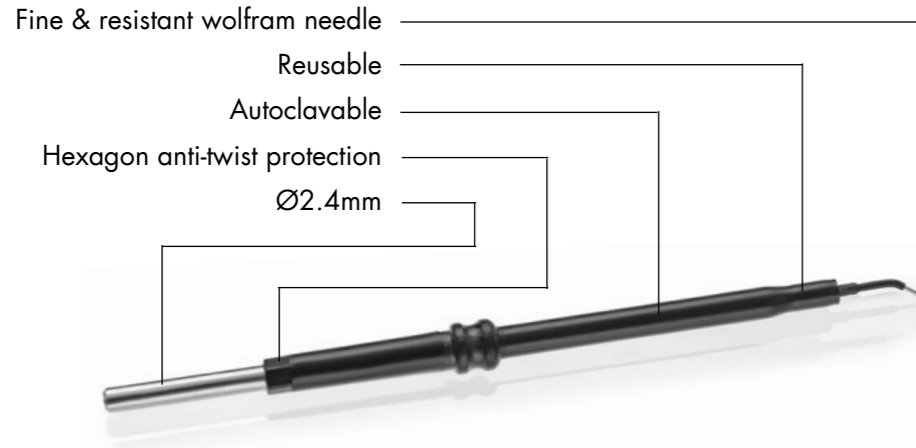


Needle  
**A** 40mm / Ø 0.4mm 1 pc. 700-700-033



Needle, angled  
**A** 40mm / Ø 0.4mm 1 pc. 700-700-034

**ACTIVE MONOPOLAR ELECTRODES**



Needle  
**A** 75mm / Ø 0.4mm 1 pc. 700-700-026



Needle, angled  
**A** 75mm / Ø 0.4mm 1 pc. 700-700-027

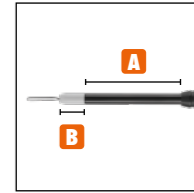
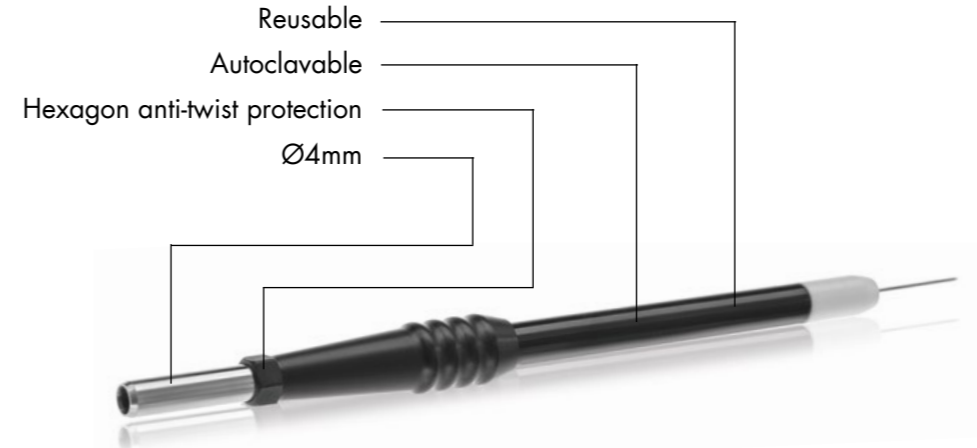


Needle, straight  
**A** 110mm / Ø 0.4mm 1 pc. 700-700-028



Needle, angled  
**A** 110mm / Ø 0.4mm 1 pc. 700-700-029

**ARGON ELECTRODES**



Monopolar Argon Electrode **P**  
**A** 75mm 1 pc. 700-557-075  
**A** 150mm 1 pc. 700-557-150  
**A** 350mm 1 pc. 700-557-350



Monopolar Argon Electrode with Needle **P**  
**A** 100mm **B** 14mm / Ø 0.4mm 1 pc. 700-557-100  
**A** 180mm **B** 14mm / Ø 0.4mm 1 pc. 700-557-180



Monopolar Argon Electrode with Knife **P**  
**A** 100mm **B** 14mm / Ø 0.4mm 1 pc. 700-557-200  
**A** 180mm **B** 14mm / Ø 0.4mm 1 pc. 700-557-210



HF ARGON handle with 2 buttons, Ø4mm, integrated cable  
 3.5m 700-700-130



Electrode container stainless steel for storage or during sterilization



Sterilization Container for  
 ∅ 4mm Electrodes  
 8 Electrodes holding capacity 1 pc. 700-700-002



Sterilization Container for  
 ∅ 2.4mm Electrodes  
 8 Electrodes holding capacity 1 pc. 700-700-001

## NON-STICK FORCEPS

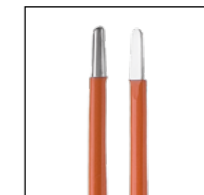
By using a polished noble material with excellent thermal properties for the forcep's tip, the undesired effect of sticking tissue is now completely eliminated and non-stop working is ensured.



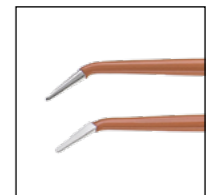
Straight		150mm		180mm		200mm	220mm
		straight tips	angeld tips	straight tips	angeld tips	straight tips	straight tips
0.3mm tip (point)	flat plug	700-610-150	700-611-150	700-610-180	700-611-180	700-610-200	700-610-220
	2-pin	700-612-150	700-613-150	700-612-180	700-613-180	700-612-200	700-620-220
0.6mm tip (blunt)	flat plug	700-620-150	700-621-150	700-620-180	700-621-180	700-620-200	700-620-220
	2-pin	700-622-150	700-623-150	700-622-180	700-623-180	700-622-200	700-622-220
1.0mm tip (blunt)	flat plug	700-630-150	700-631-150	700-630-180	700-631-180	700-630-200	700-630-220
	2-pin	700-632-150	700-633-150	700-632-180	700-633-180	700-632-200	700-632-220
2.0mm tip (blunt)	flat plug	700-640-150	700-641-150	700-640-180	700-641-180	700-640-200	700-640-220
	2-pin	700-642-150	700-643-150	700-642-180	700-643-180	700-642-200	700-642-220



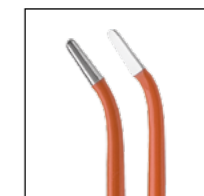
JEWELER TYPE		110mm	
		straight tips	angeld tips
0.25mm tip (point)	flat plug	700-601-710	700-601-730
	2-pin	700-601-711	700-601-731
0.6mm tip (blunt)	flat plug	700-601-712	700-601-732
	2-pin	700-601-713	700-601-733
1.0mm tip (blunt)	flat plug	700-601-714	700-601-734
	2-pin	700-601-715	700-601-735



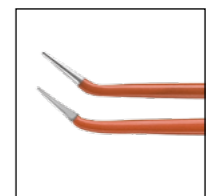
straight tips



angled tips



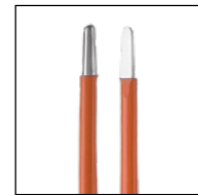
angled down tips



angled up tips



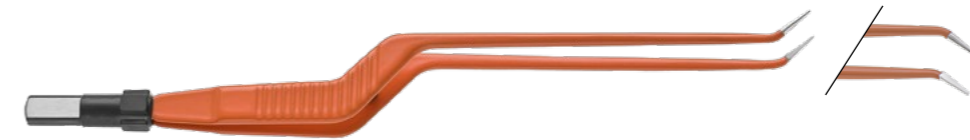
Bayonet		180mm straight tips	200mm straight tips
0.3mm tip (point)	flat plug	700-050-180	700-050-200
	2-pin	700-052-180	700-052-200
0.6mm tip (blunt)	flat plug	700-060-180	700-060-200
	2-pin	700-062-180	700-062-200
1.0mm tip (blunt)	flat plug	700-070-180	700-072-200
	2-pin	700-072-180	700-072-200
2.0mm tip (blunt)	flat plug	700-080-180	700-082-200
	2-pin	700-082-180	700-082-200
Bayonet		225mm straight tips	250mm straight tips
0.3mm tip (point)	flat plug	700-050-220	700-050-250
	2-pin	700-052-220	700-052-250
0.6mm tip (blunt)	flat plug	700-060-220	700-060-250
	2-pin	700-062-220	700-062-250
1.0mm tip (blunt)	flat plug	700-070-220	700-070-250
	2-pin	700-072-220	700-072-250
2.0mm tip (blunt)	flat plug	700-080-220	700-080-250
	2-pin	700-082-220	700-082-250



straight tips



Bayonet Shape		180mm straight tips	200mm straight tips	220mm straight tips	240mm straight tips
0.3mm tip (point)	flat plug	700-650-180	700-650-200	700-650-220	700-650-240
	2-pin	700-652-180	700-652-200	700-652-220	700-652-240
0.6mm tip (blunt)	flat plug	700-660-180	700-660-200	700-660-220	700-660-240
	2-pin	700-622-180	700-662-200	700-622-220	700-662-240
1.0mm tip (blunt)	flat plug	700-670-180	700-670-200	700-670-220	700-670-240
	2-pin	700-672-180	700-672-200	700-672-220	700-672-240
2.0mm tip (blunt)	flat plug	700-680-180	700-680-200	700-680-220	700-680-240
	2-pin	700-682-180	700-682-200	700-682-220	700-682-240



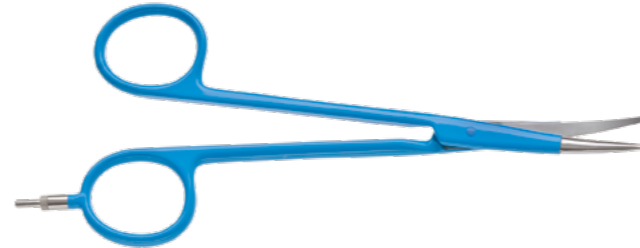
Bayonet Shape, angled up/angled down		200mm angled up tips	220mm angled up tips	200mm angled down tips	220mm angled down tips
1.0mm tip (blunt)	flat plug	700-670-201	700-670-221	700-670-203	700-670-223
	2-pin	700-672-201	700-672-221	700-672-203	700-670-223

### BIPOLAR MICRO SCISSORS

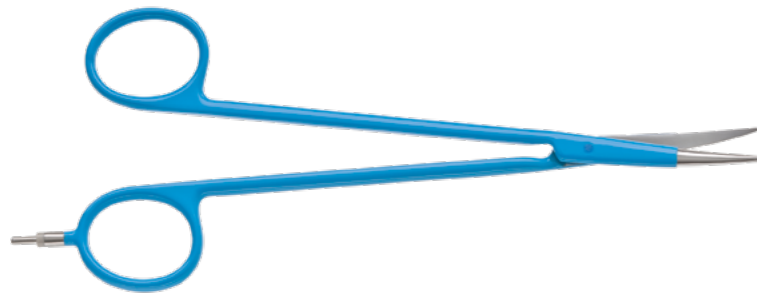
RZ Micro Scissors are especially made for precise cutting when it comes to highly delicate surgery. Its thin scissors blades are a major advantage e.g. for plastic and reconstructive surgery.



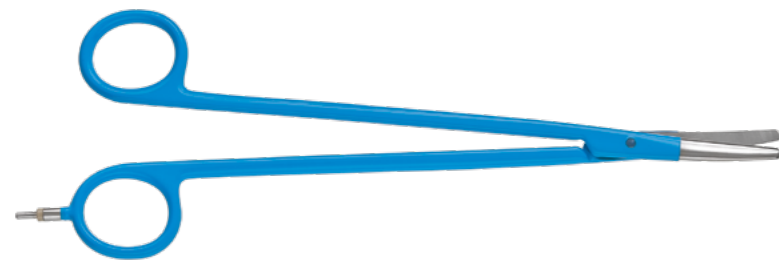
Short Scissors, curved, slim and thin blades  
130mm 120-742-130



Medium Scissors, curved, slim and thin blades  
140mm 120-742-140



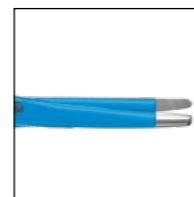
Long Scissors, curved, slim and thin blades  
175mm 120-742-175



Bipolar Scissors, curved blades		Bipolar Scissors, slim curved blades	
180mm	120-740-180	180mm	120-741-180
210mm	120-740-210	210mm	120-741-210
230mm	120-740-230	230mm	120-741-230
280mm	120-740-280	280mm	120-741-280



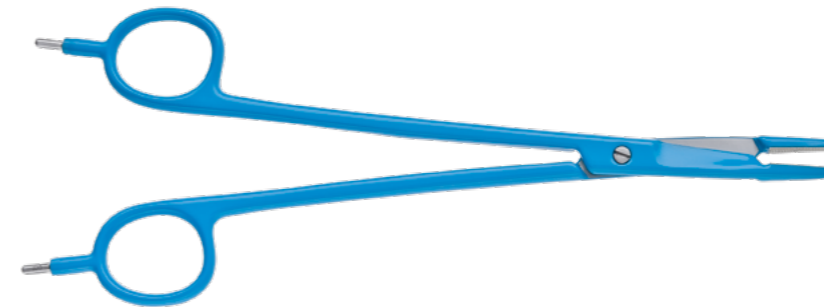
curved blades



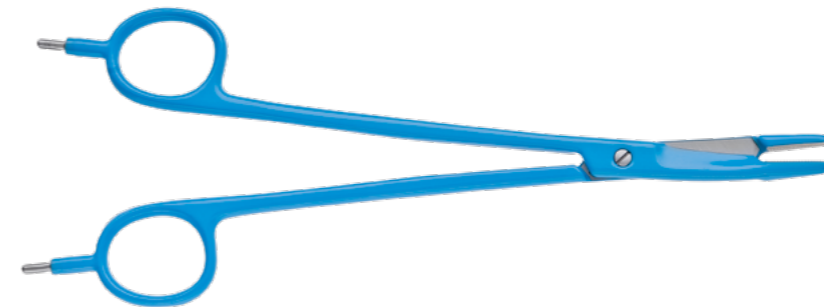
slim curved blades

### BIPOLAR SCISSORS-FORCEPS

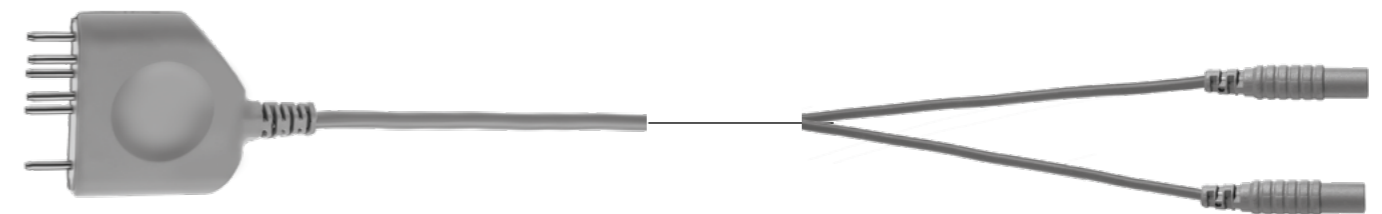
The RZ bipolar scissors-forceps enables powerful grasping and compression of tissue, combined with bipolar coagulation or sealing of blood vessels. Now, tissue can be cut without changing the instrument.



Bipolar Scissors-Forceps, straight, serrated jaws  
140mm 700-120-140  
190mm 700-120-190



Bipolar Scissors-Forceps, curved, serrated jaws  
140mm 700-121-140  
190mm 700-121-190

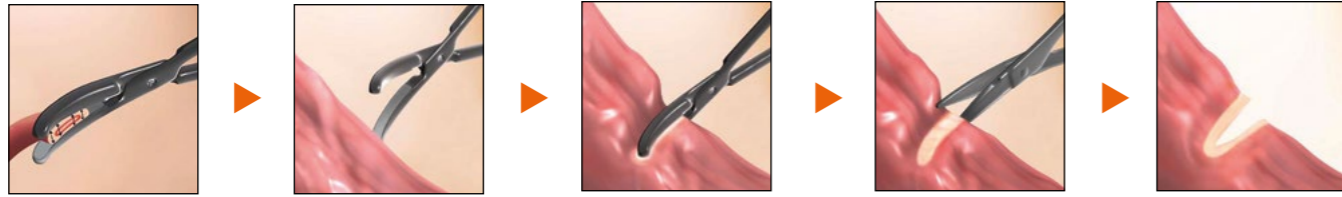


SDS Plug, pre-coded.  
G400 Unit identifies  
Instrument automatically

For bipolar Scissors-Forceps  
3m 700-500-302



TheRZeal INSTRUMENTS

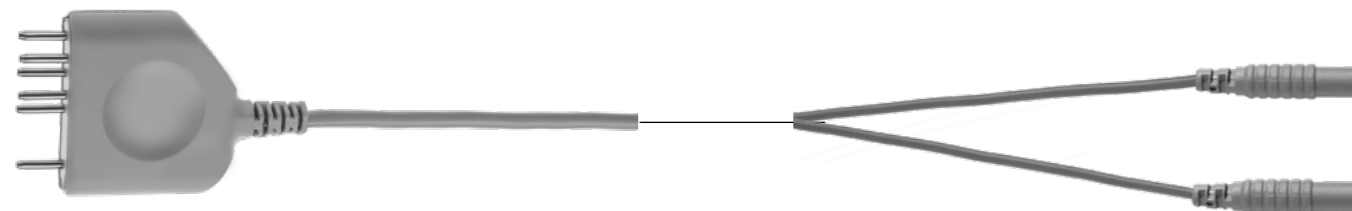


This special bipolar forceps is a combination of a thermal effect, obtained due to the use of especially modulated high frequency current with a mechanical pressure of the clamps. The result is a permanent sealing of the vessel membranes and tissue structures.

The vessel can easily be cut with the use of surgical scissors without the risk of bleeding. Vessels closed with the use of the RZ system are capable of withholding significant pressure. The safety of the closure with the use of the RZ system is comparable to the one obtained with the use of other mechanical methods.



Bipolar „TheRZeal“ Clamp, curved jaws  
230mm 700-730-230



SDS Plug, pre-coded.  
G400 Unit identifies  
Instrument automatically

For bipolar Scissors-Forceps  
3m 700-500-302

BIPOLAR BALL ELECTRODES

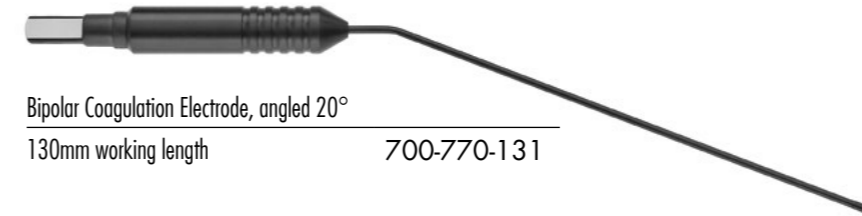
- Specially designed for coagulation even in smallest cavities at diffusely bleeding areas (e.g. nose)
- Shaft Diameter only 2mm, coagulation area approx. 2.5mm, depth approx. 0.5mm
- Two electrical poles form a divided cupola on the working tip
- Very low generator power necessary (approx.10 Watts), thermal tissue damage is strongly reduced
- Standard flat plug design for use with all common bipolar cables and generators
- Completely reusable, autoclavable, no dismantling necessary, cost-efficient usage
- Three shapes available, one malleable to bent individually for any anatomical incident



Bipolar Coagulation Electrode, Bayonet shape  
130mm working length 700-770-130



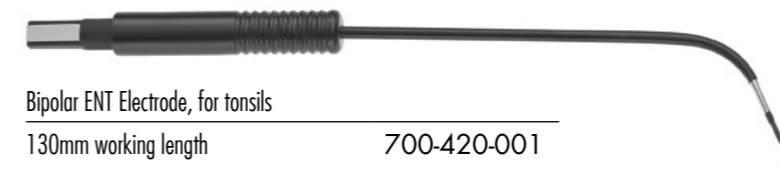
Bipolar Coagulation Electrode, straight, malleable  
140mm working length 700-770-140



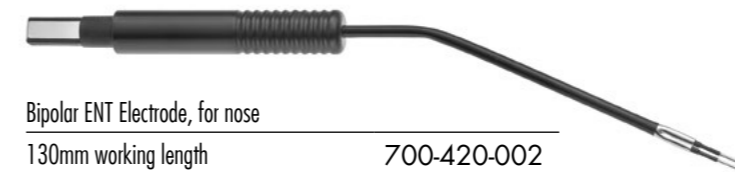
Bipolar Coagulation Electrode, angled 20°  
130mm working length 700-770-131

BIPOLAR ENT ELECTRODES

RZ ENT electrodes are available for different applications; the slim and anatomical shape of these instruments as well as an atraumatic tip design offer a real alternative to forceps or monopolar electrodes in ENT. High technology materials make the electrodes reusable and autoclavable.



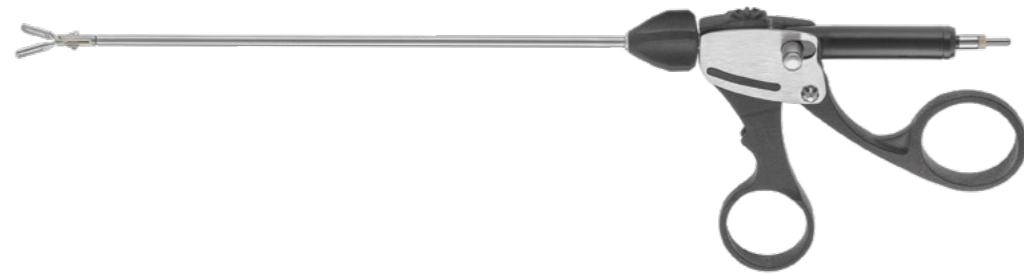
Bipolar ENT Electrode, for tonsils  
130mm working length 700-420-001



Bipolar ENT Electrode, for nose  
130mm working length 700-420-002

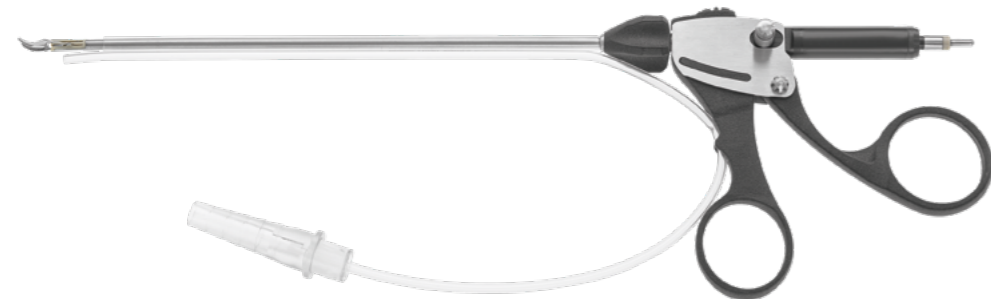
BIPOLAR MICRO-COAGULATION FORCEPS

- For operations with difficult accessible operation areas
- Bipolar technology for a maximum of patient safety
- Various popular electrode inserts, available
- Ergonomic, surgeon friendly handle design
- 3 piece take apart system with an additional single use cleaning and flushing tube



**A** Shaft,  $\varnothing$  3mm, 360° rotatable  
150mm working length 252-808-001

**B** Ring Handle 252-808-000



Disposable Silicone Tube 252-808-007

INSERTS

150mm working length



Grasping Forceps, fenestrated 252-808-002



Spoon Forceps,  $\varnothing$  2mm, curved 252-808-003



Spoon Forceps,  $\varnothing$  2.7mm, curved 252-808-004



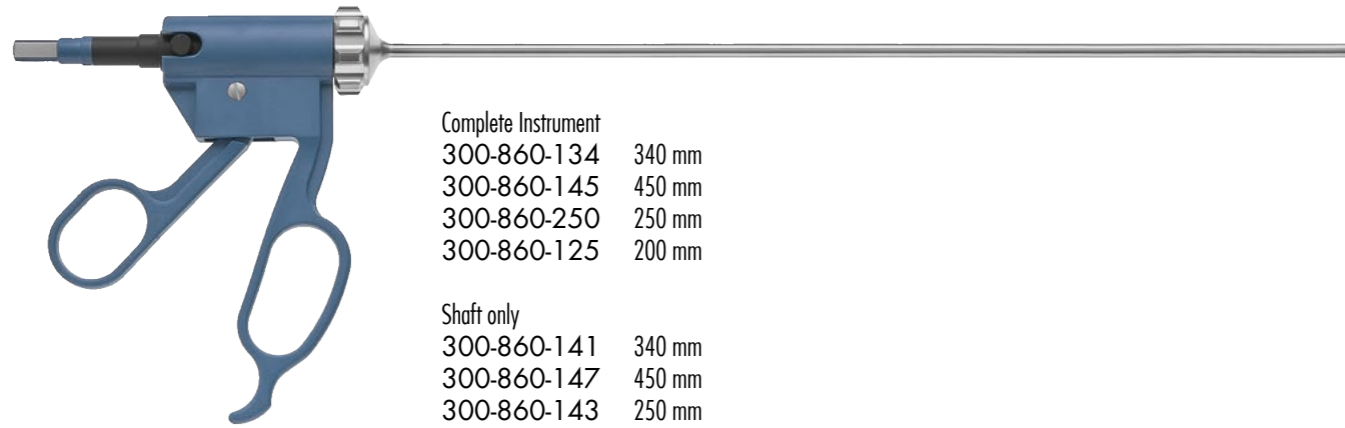
Maryland Dissector, curved 252-808-005



Dissector, angled 252-808-006

## DETACHABLE BIPOLAR FORCEPS

- 360° rotatable
- Consists of forceps body & shaft - without electrode



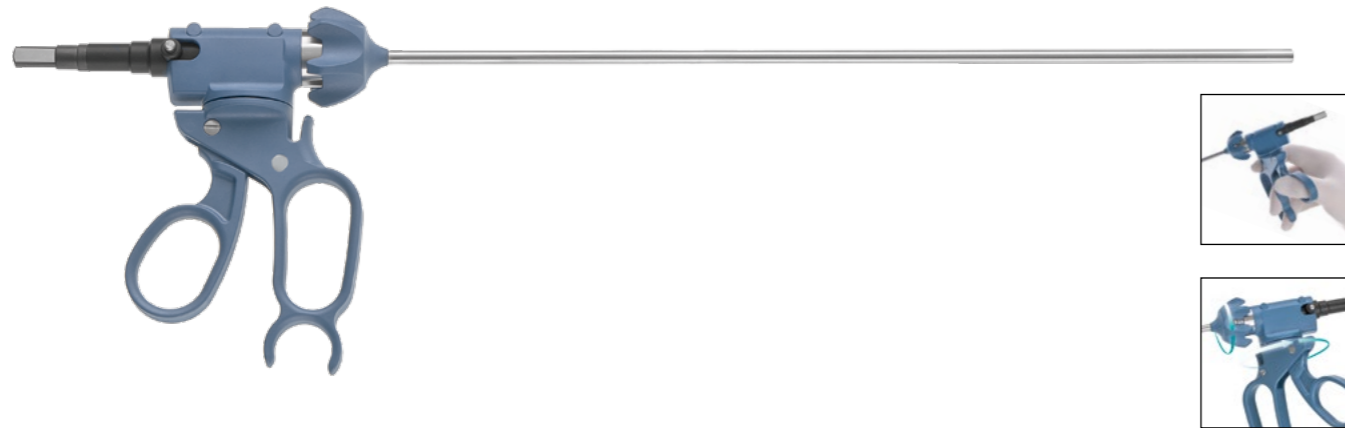
Complete Instrument  
 300-860-134 340 mm  
 300-860-145 450 mm  
 300-860-250 250 mm  
 300-860-125 200 mm

Shaft only  
 300-860-141 340 mm  
 300-860-147 450 mm  
 300-860-143 250 mm  
 300-860-142 200 mm

Handle only  
 300-860-140

## DETACHABLE 720° ROTATABLE BIPOLAR FORCEPS

- 720° rotatable, independently of the shaft
- Consists of forceps body & shaft - without electrode



Complete Instrument  
 300-860-534 340 mm  
 300-860-545 450 mm

Shaft only  
 300-560-535 340 mm  
 300-560-546 450 mm

Handle only, with adjustment (rotating stop)  
 300-860-500

## POWERGRIP BIPOLAR ELECTRODE INSERTS

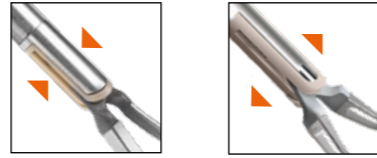
- Insulated up to the end of the working zone
- Ø 5mm



	Grasping Forceps, fenestrated jaws, curved	300-860-009	340 mm
	Grasping Forceps, fenestrated jaws, serrated	300-860-013 300-860-023 300-860-063	340 mm 450 mm 200 mm
	Grasping Forceps, slightly curved	300-860-011 300-860-021 300-860-061	340 mm 450 mm 250 mm
	Powergrip Bipolar Forceps, 2x3 teeth	300-860-012	340 mm
	Delta Grasping Forceps, double action	300-860-014 300-860-024	340 mm 450 mm
	Grasping Forceps, curved	300-860-015 300-860-025 300-860-065	340 mm 450 mm 200 mm
	Duckbill Forceps	300-860-016 300-860-026 300-860-066	340 mm 450 mm 200 mm
	TC-Metzenbaum Scissors	300-860-018 300-860-028 300-860-068	340 mm 450 mm 200 mm
	Maryland Insert	300-860-019* 300-860-029 300-860-069	340 mm 450 mm 200 mm

POWERGRIP PREMIUM BIPOLAR ELECTRODE INSERTS

- Joint mechanism stays in place
- Insulated up to the end of the working zone
- Ø 5mm



Premium model - joint mechanism stays in place

Standard model - joint mechanism exposes

	Grasping Forceps, fenestrated jaws, curved	300-860-009	340 mm
		300-860-032	340 mm
		300-860-033	340 mm
		300-860-035	340 mm
		300-860-037	340 mm
		300-860-040	340 mm

3mm DETACHABLE BIPOLAR FORCEPS




- Small diameter, equal performance
- One-finger control of the 360° rotation wheel
- Overload protection and direct force transmission
- Flat plug for common bipolar cables



300-867-100 Handle with flat plug



Shaft, Ø 3mm  
300-867-129 290mm  
300-867-120 200mm

	Grasping Forceps, fenestrated	300-867-529	290mm
		300-867-520	200mm
	Maryland Forceps, curved	300-867-929	290 mm
		300-867-620	200 mm
	Micro Forceps	300-867-729	290 mm
		300-867-720	200 mm

## BIPOLAR FORCEPS SYSTEM, Ø 5mm

- Detachable
- Consists of forceps body, inner & outer tube - without electrode



With standard handle **1**

300-855-034 340 mm  
300-855-045 450 mm  
300-855-020 200 mm

With ring handle **4**

300-855-134 340 mm  
300-855-145 450 mm  
300-855-120 200 mm



Forceps body standard  
300-855-001



Forceps body ring handle  
300-855-101

Outer Tube **2**

300-855-007 340 mm  
300-855-052 450 mm  
300-855-003 200 mm

Inner tube **3**

300-855-006 340 mm  
300-855-051 450 mm  
300-855-002 200 mm



Bipolar Cables, length: 3m  
2 banana plug 300-855-100  
Valleylab plug 300-855-105  
Martin plug 300-855-102  
Erbe plug 300-855-103



Adapter for bipolar cable  
300-855-400 with flat plug  
300-855-401 with 2-pin-plug

### Electrodes / Inserts

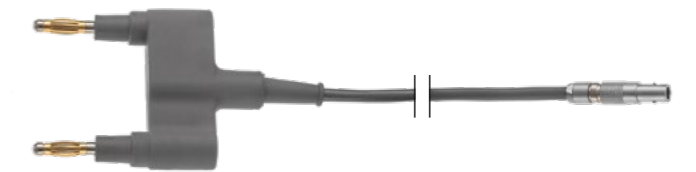
	Tubal ligation	300-855-010 340 mm 300-855-022 450 mm 300-855-060 200 mm
	Micro jaw, 1 mm	300-855-011 340 mm 300-855-021 450 mm 300-855-061 200 mm
	Grasping forceps, 3 mm	300-855-015 340 mm 300-855-025 450 mm 300-855-065 200 mm
	Scissors, curved	300-855-017 340 mm 300-855-027 450 mm 300-855-067 200 mm
	Kleppinger, serrated	300-855-013 340 mm 300-855-023 450 mm 300-855-063 200 mm
	Scissors with TC blades, curved	300-855-018 340 mm 300-855-028 450 mm 300-855-068 200 mm
	Dissector Maryland, curved	300-855-019 340 mm 300-855-029 450 mm 300-855-069 200 mm

## MICRO BIPOLAR SYSTEM, Ø 3mm

- Suits for all operations in Laparoscopy
- Especially for fine coagulation of tissue and small vessels
- Easy detachable for cleaning purposes



300-857-100 Bipolar Micro Coagulation Forceps, Ø 3mm



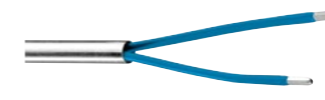
300-857-205  
Cable only for 300-857-100

### Electrode Inserts



Micro Electrode, rippled bar

300-857-111



Micro Electrode, fluted tip, 1mm

300-857-112



### Bipolar Micro Electrodes, 3 mm



Bipolar L-Hook

300-857-301



Bipolar V-Hook

300-857-302



Bipolar Needle

300-857-303



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