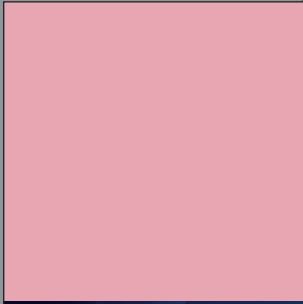


TONTARRA

ENDOSCOPY



GYNECOLOGY

ABOUT US

For more than 50 years “made by TONTARRA, Germany” is a synonym for state-of-the-art surgical and endoscopic instruments and equipment.

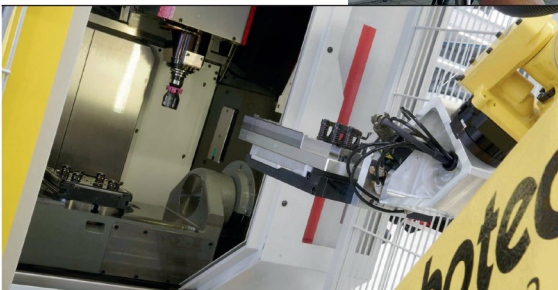
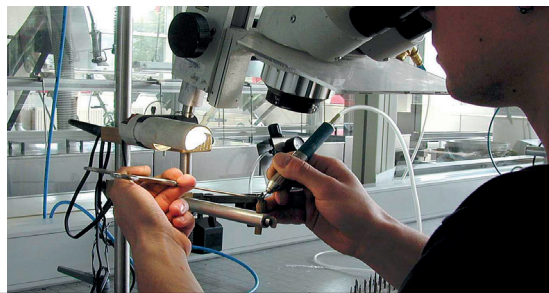
This success and the international recognition of the skillfulness in surgical and endoscopic instrument making of Tontarra Medizintechnik GmbH are based on our commitment to medical innovation, mastery in manufacturing, and a strong focus on our continuing tradition of excellence.

The confidence in our surgical and endoscopic lines as expressed by our international customers, distribution- and OEM-partners are a driving force to face and meet new challenges.

TONTARRA



Indispensable ‘tools’ for maturing new ideas into high-precision surgical instruments of highest precision include our state-of-the-art manufacturing facility and production processes, and especially the comprehensive technical know-how, ingenuity and strong commitment of our entire team.



ICONS – OVERVIEW



Function length



LuerLock



Quick Lock



For use with sheath in size



Round sheath



Oval sheath



Drop style sheath



Continuous flow

TABLE OF CONTENT


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THE QUICK LOCK CONNECTING SYSTEM

The Quick-Lock connection system's main feature is the easy assembly and disassembly of the urological sheaths. The spring mechanism allows the optimal centering of the inner and outer sheaths. Above mentioned points are the main advantages of the Quick-Lock mechanism compared to the well-known Bayonet-type lock.

Each sheath is marked with an „arrow“ on the locking cone to indicate the correct assembly position.

The Quick Lock system is characterized by a smooth running take apart and a tight sealing as soon as the sheaths are connected to each other.





TELESCOPES

- ◀ HD
- ◀ HD+
- ◀ HD+2

Light guide Cables & Connectors



GYNECOLOGY TELESCOPES HD+, HD+2

- ▶ Ø 4.0 mm
- ▶ Compatible with most instrument- and camera systems

The „See & Treat“ approach has become a synonyme for office hysteroscopy. This already implies that the image quality is an essential criteria for each hysteroscopist: the clear visualization of a patients pathology is not only a prerequisite for secure diagnostics and the choice of intervention, but as well vital for a successful performance of therapeutic treatment.

TONTARRA Telescopes feature an excellent image quality for diagnostics and therapy, and support camera systems and instruments of nearly all well-known brands.



HYSTEROSCOPES [autoclavable]

▶ Ø 4.0 mm

Description			Art. No.	<ul style="list-style-type: none"> • Field of view: 91° • Ø 4.0 mm is the traditional size used in diagnostic hysteroscopy, and our hysteroscope has been specially designed to achieve an extraordinary wide field of view (91°) • Available in 3 different angles of view • Not to be used in combination with resectoscopy sheaths
Hysteroscope HD+2	▶ Ø 4.0 mm; 0°	FL 300 mm	601-114-00HD2	
Hysteroscope HD+2	▶ Ø 4.0 mm; 12°	FL 300 mm	601-114-12HD2	
Hysteroscope HD+2	▶ Ø 4.0 mm; 30°	FL 300 mm	601-114-30HD2	



TELESCOPES FOR RESECTOSCOPY IN GYNECOLOGY [autoclavable]

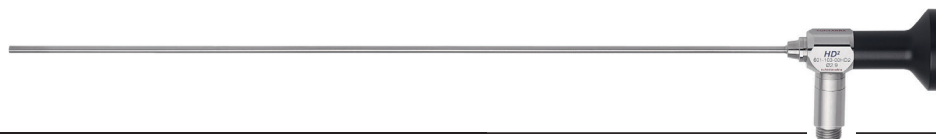
▶ Ø 4.0 mm

Description			Art. No.	<ul style="list-style-type: none"> • Field of view: 70° • For use in gynecologic resectoscopy • Available in three different angles of view
Telescope HD+	▶ Ø 4.0 mm; 0°	FL 300 mm	601-104-00HD	
Telescope HD+2	▶ Ø 4.0 mm; 0°	FL 300 mm	601-104-00HD2	
Telescope HD+	▶ Ø 4.0 mm; 12°	FL 300 mm	601-104-12HD	
Telescope HD+2	▶ Ø 4.0 mm; 12°	FL 300 mm	601-104-12HD2	
Telescope HD+	▶ Ø 4.0 mm; 30°	FL 300 mm	601-104-30HD	
Telescope HD+2	▶ Ø 4.0 mm; 30°	FL 300 mm	601-104-30HD2	

GYNECOLOGY TELESCOPES HD

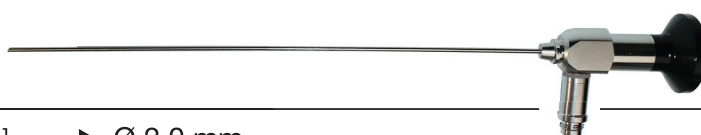


- ▶ Ø 2.9 mm / Ø 2.0 mm
- ▶ Compatible with most instrument- and camera systems



TELESCOPES FOR GYNECOLOGY [autoclavable] ▶ Ø 2.9 mm

Description			Art. No.	· Field of view: 80° · Compatible with most instrument- and camera systems
Telescopes HD+2	▶ Ø 2.9 mm; 0°	FL 300 mm	601-103-00HD2	
Telescopes HD+2	▶ Ø 2.9 mm; 12°	FL 300 mm	601-103-12HD2	
Telescopes HD+2	▶ Ø 2.9 mm; 30°	FL 300 mm	601-103-30HD2	



TELESCOPES FOR GYNECOLOGY [autoclavable] ▶ Ø 2.0 mm ▶ Fibre telescopes

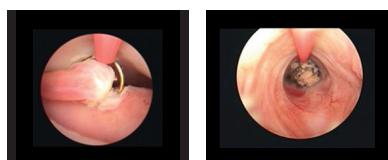
Description			Art. No.	For diagnostic miniature hysteroscopes or mini operative systems, f.e. TONTARRA's hysteroscopy continuous flow operating sheaths for Ø 2.0 mm telescopes.
Telescopes HD	▶ Ø 2.0 mm; 0°	FL 260 mm	601-112-00	
Telescopes HD	▶ Ø 2.0 mm; 30°	FL 260 mm	601-112-30	
Telescopes HD	▶ Ø 2.0 mm; 0°	FL 300 mm	601-132-00	
Telescopes HD	▶ Ø 2.0 mm; 30°	FL 300 mm	601-132-30	



“GENTLE OFFICE HYSTERO-RESECTOSCOPY” on the rise:

Contemporary Gynecology has generally shifted towards gentler treatment methods, and communication on eye-level between doctor and patient has gained importance.

TONTARRA's systems for Hystero-Resectoscopy are well in line with the demand for smaller instruments; our 16 Fr. Mini-Hystero-Resectoscope „GUBBINI“ even allows the effective resectoscopic therapy without dilatation of the cervix. This approach is not only less traumatic for the patient, but also helps to save costs as more interventions can be performed in an office-setting.



© Dr. Giampaolo Gubbini

The “GUBBINI System” is also apt for resectoscopic therapy without the need for dilatation of the cervix, and can be applied to nearly all endo-uterine pathologies.

Ask for our “GUBBINI”-catalogue!



Polypectomy performed with TONTARRA's Mini-Hystero-Resectoscope “GUBBINI”, standardly equipped with a HD+2 telescope Ø 2.9 mm.

ACCESSORIES

► Light Guide Cables & Connectors



FIBER LIGHT GUIDE CABLES

► Stability & resistance for a long life time

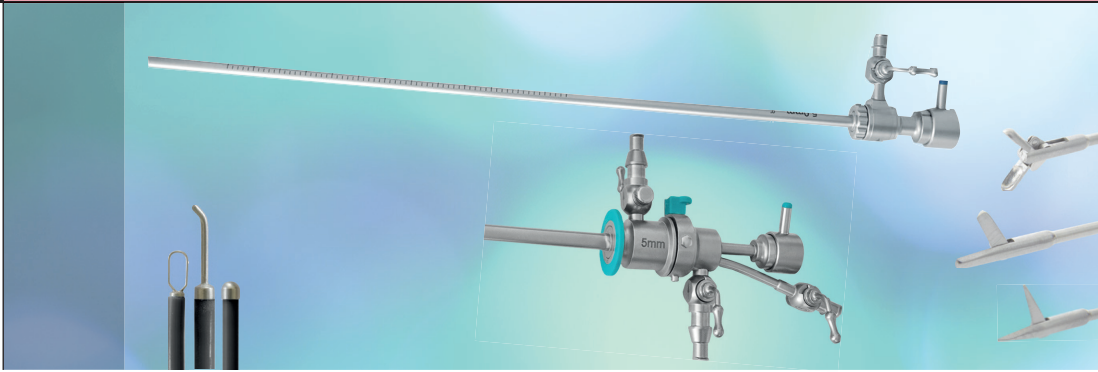
Description	Standard Cold Light Line	HTT High Temperature Technology Line	HP High Performance Line	
Cold light sources	HALOGEN <i>careful w/Xenon light!</i>	for all cold light sources (excellent light transmission)		
		optimized for XENON	optimized for LED	
Sizes	Art. No.'s			
Ø 4.9 x 1800 mm Length		540-815-18		
Ø 4.9 x 2300 mm Length		540-815-23		
Ø 4.9 x 3000 mm Length		540-815-30		
Ø 4.9 x 5000 mm Length		540-815-50		
Ø 3.5 x 1800 mm Length	540-803-18	540-813-18	540-823-18	
Ø 3.5 x 2300 mm Length	540-803-23	540-813-23	540-823-23	
Ø 3.5 x 3000 mm Length	540-803-30	540-813-30	540-823-30	
Ø 3.5 x 5000 mm Length	540-803-50		540-823-50	
Ø 2.5 x 1800 mm Length		540-812-18	540-822-18	
Ø 2.5 x 2300 mm Length		540-812-23	540-822-23	
Ø 2.5 x 3000 mm Length		540-812-30	540-822-30	
Ø 2.5 x 5000 mm Length		540-812-50	540-822-50	
Tube colours The Standard colour is grey.	Only available in grey	● LL (Lilac) ● YW (Yellow) ● GN (Green) Colour Coding made easy: If you want to order one of the shown colours Lilac, Yellow or Green, please indicate the corresponding extensions shown in the column to the right (f.e. for a green cable add „GN“, the article number then reads 540-XXX-XXGN)		
Colour of introduction piece	Black	Blue	White	

LIGHT CABLE CONNECTORS

Projector-Side (light input)			Telescope-Side (light output)		
Storz/Aesculap	540-890-02		TONTARRA/Storz/Aesculap/Olympus (old)	540-880-02	
Olympus/ACMI	540-890-10				
Olympus new (switch)	540-890-14		Olympus new	540-880-04	
Wolf	540-890-04		Wolf/HSW/Dyonics snap	540-880-13	
ACMI/British/Codman	540-890-01		ACMI/British/Codman	540-880-01	

LIGHT GUIDE ADAPTERS [spare parts]

Description	Art. No.		Description	Art. No.	
RICHARD WOLF Light guide adapter	601-900-10		Universal Light guide adapter ► 90° angled	601-900-15	
STORZ/OLYMPUS Light guide adapter	601-900-00				



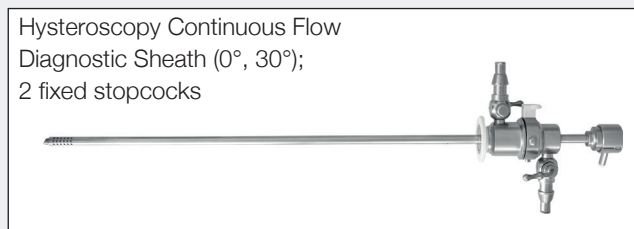
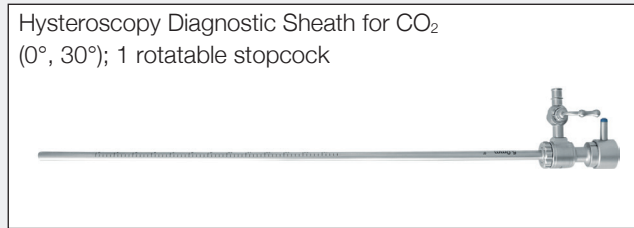
HYSTEROSCOPY



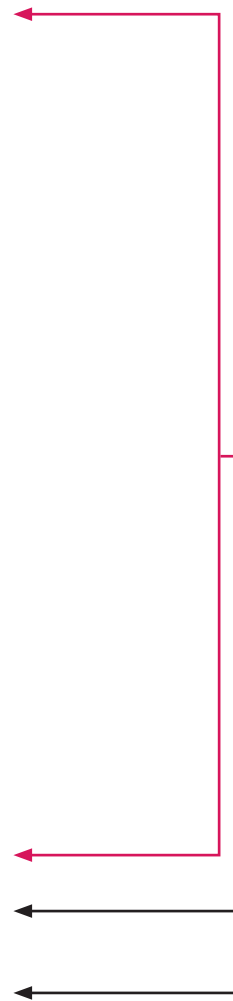
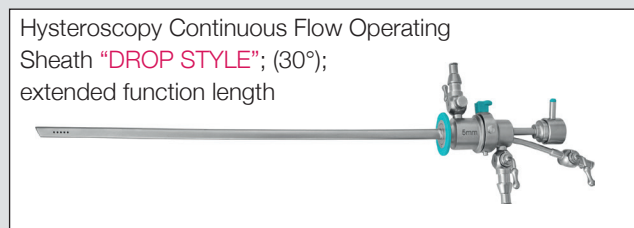
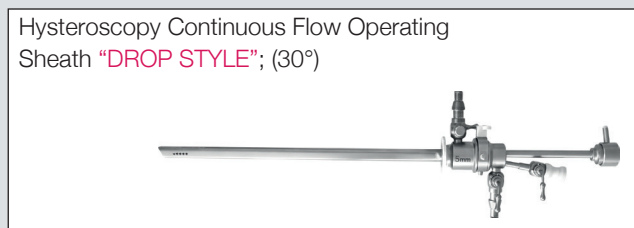
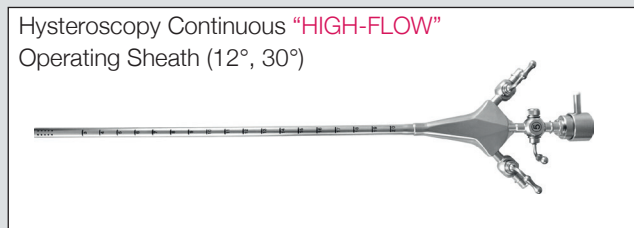
HYSTEROSCOPY & OPERATING SHEATHS

► Schematic overview

DIAGNOSTIC SHEATHS



DIAGNOSTIC & OPERATING SHEATHS

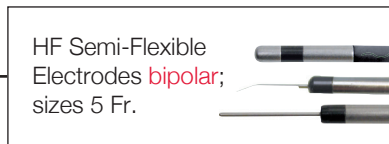
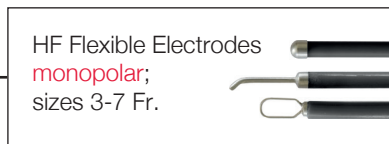
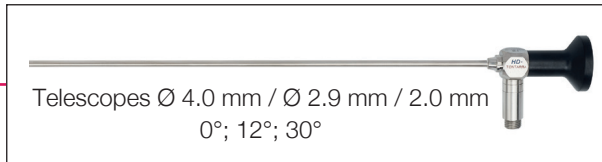




Systems and components for Ø 4.0 mm telescopes

Ø 2.9 mm telescopes

Ø 2.0 mm telescopes



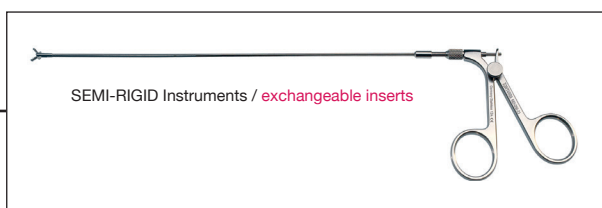
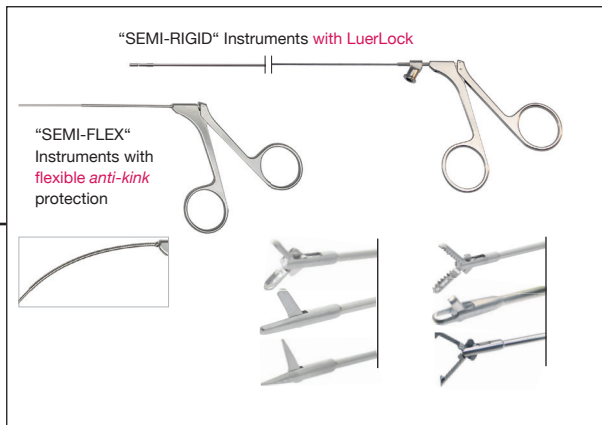
HF Connection cables (2 types):

monopolar

to connect flexible **monopolar** HF electrodes to HF generator

bipolar

to connect semi-flexible **bipolar** HF electrodes to HF generator

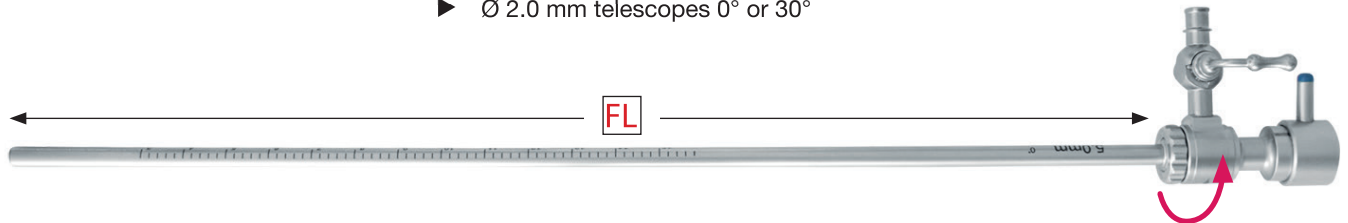


HYSTEROSCOPY CO₂ DIAGNOSTIC SHEATHS













Hysteroscopy CO₂ Diagnostic Sheath

- ▶ with 1 rotating stopcock
- Available for:
 - ▶ Ø 4.0 mm telescopes 0° or 30°
 - ▶ Ø 2.9 mm telescopes 0° or 30°
 - ▶ Ø 2.0 mm telescopes 0° or 30°



HYSTEROSCOPY CO₂ DIAGNOSTIC SHEATH



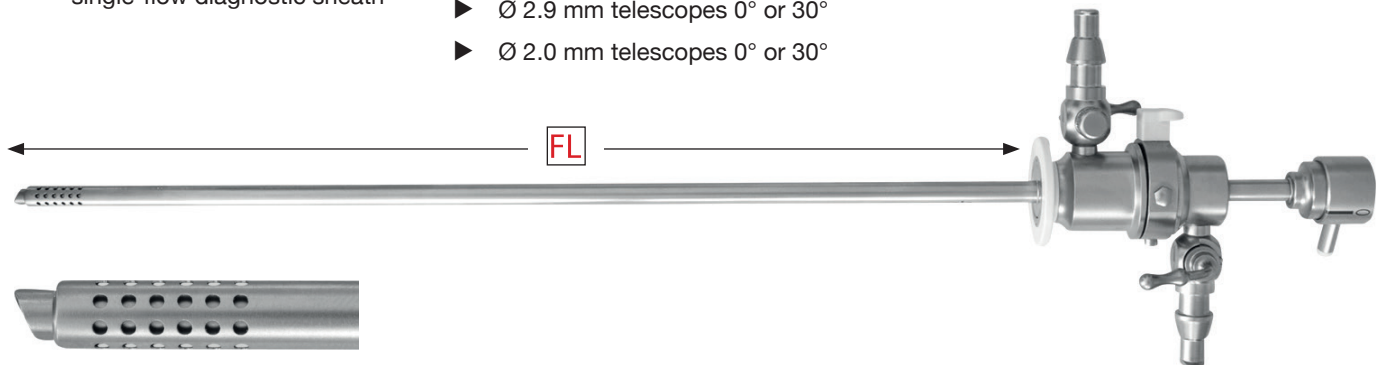
for Ø 4 mm telescopes ▶ Ø 5.0 mm FL 270 mm			
DIAGNOSTIC SHEATH 0°	■ blue	640-010-40	 601-114-00HD, 601-114-00HD2
DIAGNOSTIC SHEATH 30°	■ blue	640-010-43	 601-114-30HD, 601-114-30HD2
OBTURATOR	■ blue	640-010-45	 Ø 5.0 mm
for Ø 2.9 mm telescopes ▶ Ø 4.0 mm FL 270 mm			
DIAGNOSTIC SHEATH 0°	□ white	640-010-30	 601-103-00HD2
DIAGNOSTIC SHEATH 30°	□ white	640-010-33	 601-103-30HD2
OBTURATOR	□ white	640-010-35	 Ø 4.0 mm
for Ø 2.0 mm telescopes ▶ Ø 2.9 mm FL 228 mm			
DIAGNOSTIC SHEATH 0°	■ red	640-010-20	 601-112-00
DIAGNOSTIC SHEATH 30°	■ red	640-010-23	 601-112-30
OBTURATOR	■ red	640-010-25	 Ø 2.9 mm
for Ø 2.0 mm telescopes ▶ Ø 2.9 mm FL 270 mm			
DIAGNOSTIC SHEATH 0°	■ red	640-010-27	 601-132-00

HYSTEROSCOPY CONTINUOUS FLOW DIAGNOSTIC SHEATHS









Hysteroscopy Continuous Flow Diagnostic Sheath

- ▶ with 2 fixed stopcocks
 - ▶ Inner sheath can be used as single-flow diagnostic sheath
- Available for:
- ▶ Ø 4.0 mm telescopes 0° or 30°
 - ▶ Ø 2.9 mm telescopes 0° or 30°
 - ▶ Ø 2.0 mm telescopes 0° or 30°



HYSTEROSCOPY CONTINUOUS FLOW DIAGNOSTIC SHEATH



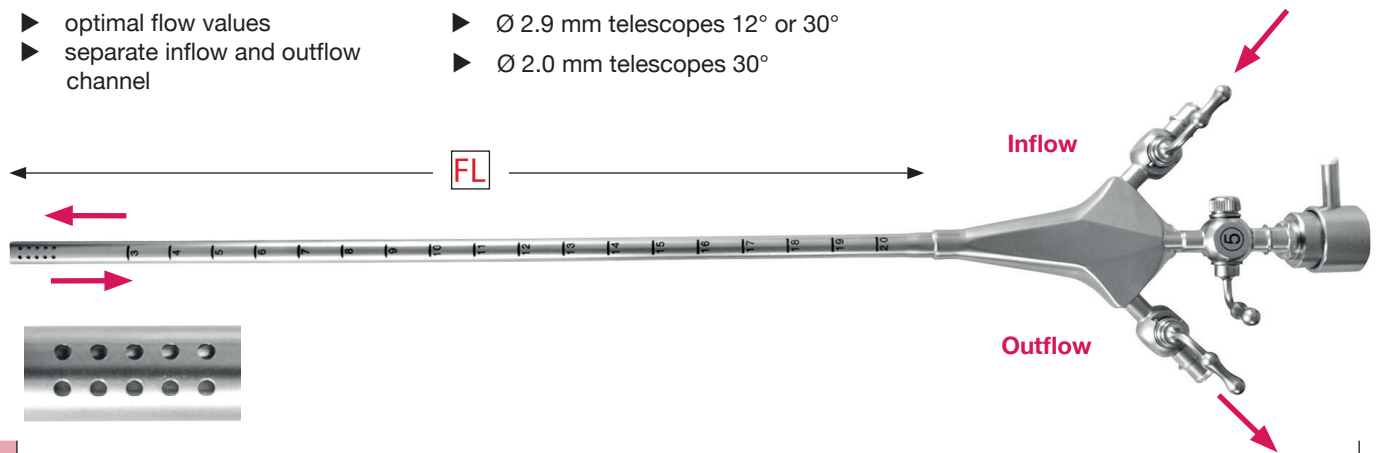
for Ø 4.0 mm telescopes	FL	Color code	Art. No.	Information
OUTER DIAGNOSTIC SHEATH; Ø 6.5 mm	240 mm	■ blue	640-015-41	
DIAGNOSTIC INNER SHEATH 30°; Ø 5.4 mm	260 mm	■ blue	640-015-44	 601-114-30HD, 601-114-30HD2
OBTURATOR		■ blue	640-015-45	 Ø 6.5 mm
for Ø 2.9 mm telescopes				
OUTER DIAGNOSTIC SHEATH; Ø 5.0 mm	244 mm	□ white	640-015-31	
DIAGNOSTIC INNER SHEATH 30°; Ø 4.0 mm	260 mm	□ white	640-015-34	 601-103-30HD2
OBTURATOR		□ white	640-010-35	 Ø 5.0 mm
for Ø 2.0 mm telescopes				
OUTER DIAGNOSTIC SHEATH; Ø 3.7 mm	200 mm	■ red	640-015-21	
DIAGNOSTIC INNER SHEATH 30°; Ø 2.9 mm	218 mm	■ red	640-015-24	 601-112-30
OBTURATOR		■ red	640-015-25	 Ø 3.7 mm

HYSTEROSCOPY CONTINUOUS FLOW OPERATING SHEATHS



Hysteroscopy Compact 'HIGH FLOW' Continuous Flow Operating Sheath

- ▶ with working channel 5 Fr.
 - ▶ optimal flow values
 - ▶ separate inflow and outflow channel
- Available for:
- ▶ Ø 2.9 mm telescopes 12° or 30°
 - ▶ Ø 2.0 mm telescopes 30°



HYSTEROSCOPY COMPACT 'HIGH FLOW' CONTINUOUS FLOW OPERATING SHEATH



for Ø 2.9 mm telescopes



Ø 5.5 mm; working channel 5 Fr.

FL 212 mm

Information

Description

Color code

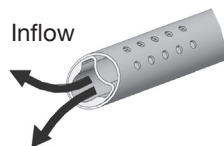
Art. No.

COMPACT OPERATING SHEATH 12° & 30°

□ white

640-022-33

601-103-12HD2
 601-103-30HD2



for Ø 2.0 mm telescopes



Ø 4.3 mm; working channel 5 Fr.

FL 173 mm

Information

COMPACT OPERATING SHEATH 30°

■ red

640-022-43

601-112-30

for Ø 2.0 mm telescopes



Ø 4.3 mm; working channel 5 Fr.

FL 215 mm

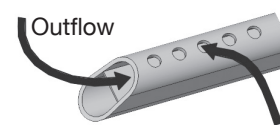
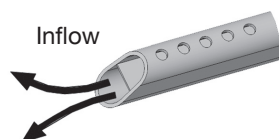
Information

COMPACT OPERATING SHEATH 30°

■ red

640-022-53

601-132-30

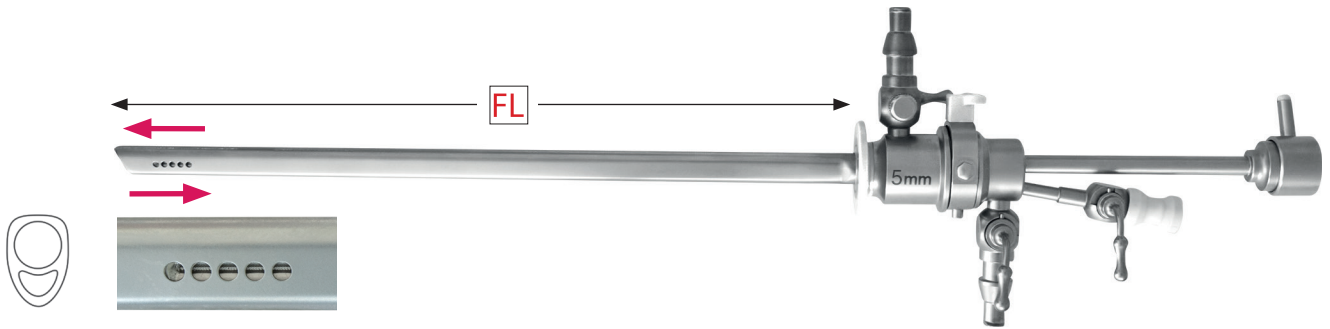


HYSTEROSCOPY CONTINUOUS FLOW OPERATING SHEATHS






Hysteroscopy Continuous Flow Operating Sheath 'DROP STYLE'

- ▶ with 2 fixed stopcocks
 - ▶ with Quick Lock connections
 - ▶ „Drop Style“ for better insertion
- Available for:
- ▶ Ø 4.0 mm telescopes 30° with working channel 5 Fr. & 7 Fr.
 - ▶ Ø 2.9 mm telescopes 30° with working channel 5 Fr.
 - ▶ Ø 2.0 mm telescopes 30° with working channel 5 Fr.



HYSTEROSCOPY CONTINUOUS FLOW OPERATING SHEATHS 'DROP STYLE'



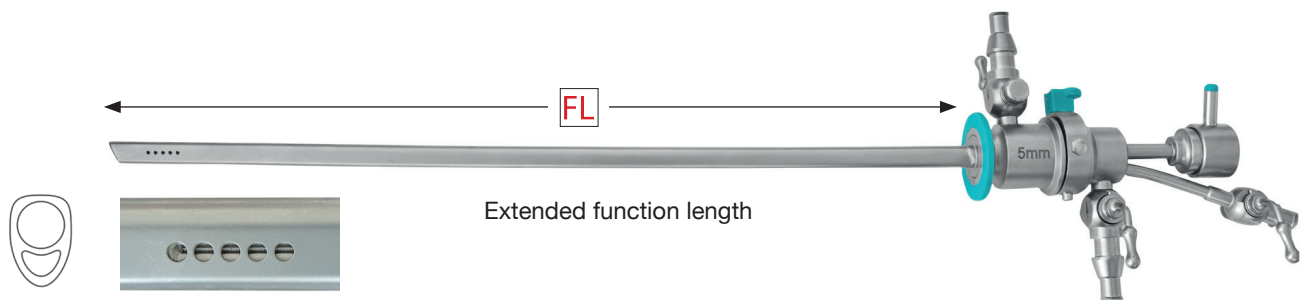
for Ø 4.0 mm telescopes			
Ø 6.5 mm; working channel 5 Fr.	FL 192 mm		
Description	Color code	Art. No.	Information
OUTER OPERATING SHEATH 30°	■ blue	640-025-41	 601-114-30HD2
INNER OPERATING SHEATH 30°	■ blue	640-025-42	
Ø 7.0 mm; working channel 7 Fr.			
OUTER OPERATING SHEATH 30°	■ green	640-025-51	
INNER OPERATING SHEATH 30°	■ green	640-025-52	
for Ø 2.9 mm telescopes			
Ø 5.0 mm; working channel 5 Fr.	FL 192 mm		Information
OUTER OPERATING SHEATH 30°	□ white	640-025-31	 601-103-30HD2
INNER OPERATING SHEATH 30°	□ white	640-025-32	
for Ø 2.0 mm telescopes			
Ø 4.3 mm; working channel 5 Fr.	FL 181 mm		Information
OUTER OPERATING SHEATH 30°	■ red	640-025-21	 601-112-30
INNER OPERATING SHEATH 30°	■ red	640-025-22	

HYSTEROSCOPY CONTINUOUS FLOW OPERATING SHEATHS



Hysteroscopy Continuous Flow Operating Sheath 'DROP STYLE' with extended function length

- ▶ with 2 fixed stopcocks
 - ▶ with Quick Lock connections
 - ▶ „Drop Style“ for better insertion
 - ▶ Extended length same scope
- Available for:
- ▶ Ø 4.0 mm telescopes 30° with working channel 5 Fr.
 - ▶ Ø 2.9 mm telescopes 30° with working channel 5 Fr. & 7 Fr.
 - ▶ Ø 2.0 mm telescopes 30° with working channel 5 Fr.



HYSTEROSCOPY CONTINUOUS FLOW OPERATING SHEATHS 'DROP STYLE'

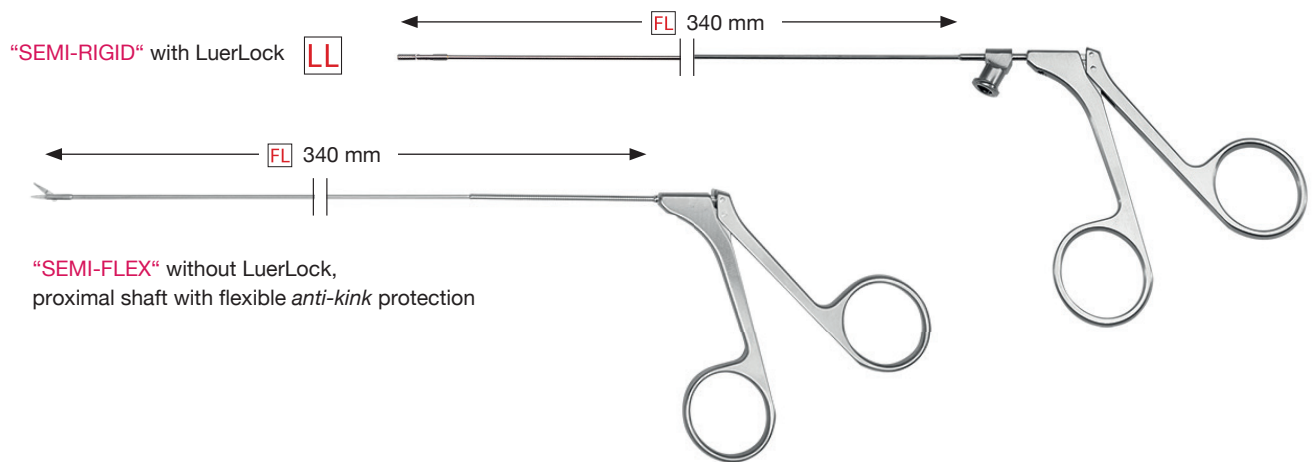


for Ø 4.0 mm telescopes			
Ø 6.5 mm; working channel 5 Fr.	FL 216 mm		
Description	Color code	Art. No.	Information
OUTER OPERATING SHEATH 30°	■ blue	640-026-41	601-114-30HD
INNER OPERATING SHEATH 30°	■ blue	640-026-42	601-114-30HD2
for Ø 2.9 mm telescopes			
Ø 5.0 mm; working channel 5 Fr.	FL 216 mm		Information
OUTER OPERATING SHEATH 30°	■ turquoise	640-026-31	601-103-30HD2
INNER OPERATING SHEATH 30°	■ turquoise	640-026-32	
Ø 5.5 mm; working channel 7 Fr.	FL 216 mm		
OUTER OPERATING SHEATH 30°	■ grey	640-026-51	
INNER OPERATING SHEATH 30°	■ grey	640-026-52	
for Ø 2.0 mm telescopes			
Ø 4.3 mm; working channel 5 Fr.	FL 216 mm		Information
OUTER OPERATING SHEATH 30°	■ red	640-026-21	601-132-30
INNER OPERATING SHEATH 30°	■ red	640-026-22	



MICRO INSTRUMENTS FOR HYSTEROSCOPY

- ▶ Semi-rigid & "semi-flex" instruments for instrument channel 5 Fr.
- ▶ Available with LuerLock, or proximal shaft with flexible *anti-kink* protection and *without* LuerLock



SEMI-RIGID INSTRUMENTS Ø 1.6 mm; with LUER LOCK or ANTI-KINK protection

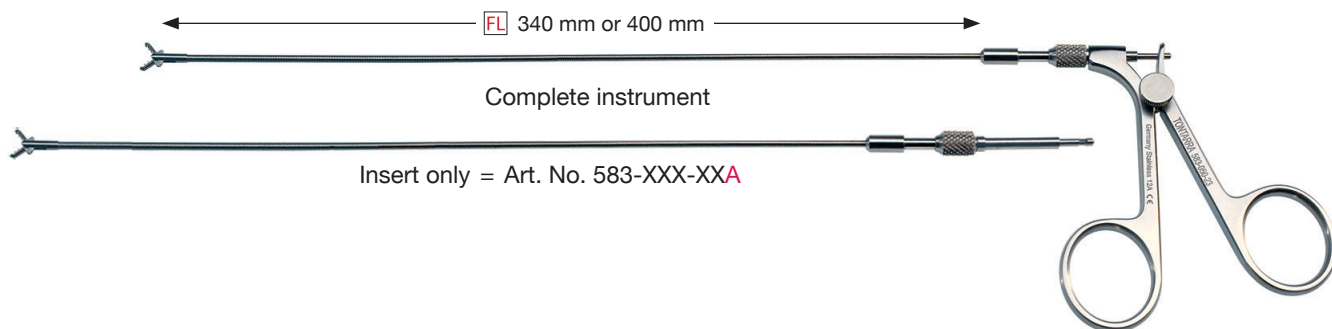
FL 340 mm

Description	Standard	Semi-Rigid (LuerLock)	Semi-Flex (Anti-Kink protection)	
BIOPSY FORCEPS ▶ oval ▶ double action	583-214-16	583-214-16LL	-	
SCISSORS ▶ blunt ▶ single action	583-228-16	583-228-16LL	583-228-16FS	
SCISSORS ▶ pointed ▶ single action	583-229-16	583-229-16LL	583-229-16FS	
BIOPSY AND GRASPING FORCEPS ▶ oval ▶ double action	583-256-16	583-256-16LL	583-256-16FS	
PUNCH ▶ through-cutting ▶ single action	583-258-16	583-258-16LL	-	
TENACULUM FORCEPS ▶ double action	583-278-16	583-278-16LL	-	
BIOPSY FORCEPS ▶ oval, Ø 1.2 mm ▶ double action, with pin	583-250-16G	-	-	
BIOPSY FORCEPS ▶ oval, Ø 1.2 mm, FL 400 mm ▶ double action, with pin	583-250-40G	-	-	
MYOMA FIXATION instrument	583-280-00	583-280-00	-	



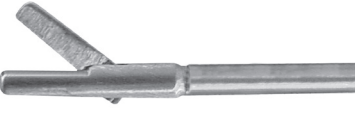

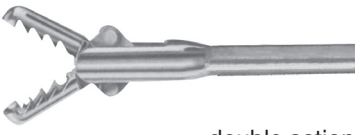
MICRO INSTRUMENTS FOR HYSTEROSCOPY

► Semi-rigid instruments for instrument channels 5 Fr. or 7 Fr.



SEMI-RIGID INSTRUMENTS Ø 1.6 mm; with EXCHANGEABLE INSERTS

FL 400 mm FL 340 mm

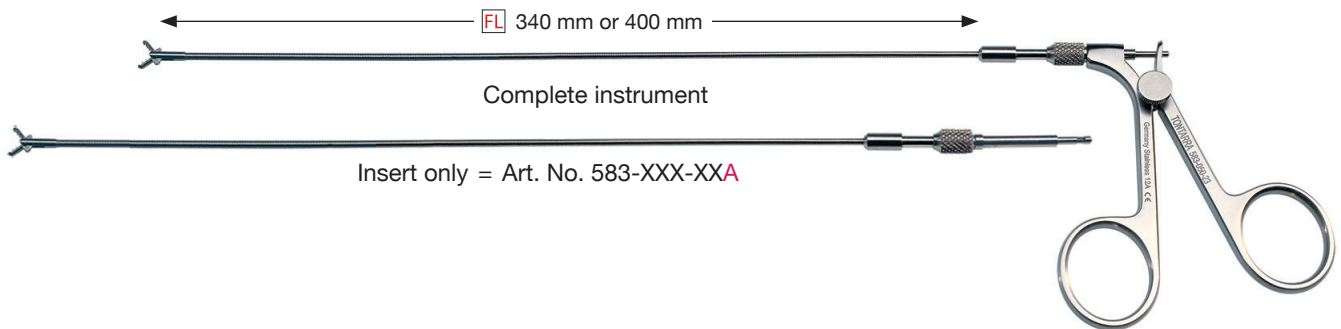
Description	Length (FL)	5 Fr.	7 Fr.	Information
BIOPSY FORCEPS ► oval	400 mm	583-012-16	583-012-23	 double action
		583-012-16A	583-012-23A	
	340 mm	583-212-16	583-212-23	
		583-212-16A	583-212-23A	
SCISSORS ► blunt	400 mm	583-022-16	583-022-23	 single action
		583-022-16A	583-022-23A	
	340 mm	583-222-16	583-222-23	
		583-222-16A	583-222-23A	
SCISSORS ► pointed	340 mm	583-223-16	583-223-23	 single action
		583-223-16A	583-223-23A	
HOOK SCISSORS	400 mm	583-032-16	583-032-23	 single action
		583-032-16A	583-032-23A	
	340 mm	583-232-16	583-232-23	
		583-232-16A	583-232-23A	
BIOPSY FORCEPS ► oval ► serrated	400 mm	583-052-16	583-052-23	 double action
		583-052-16A	583-052-23A	
	340 mm	583-252-16	583-252-23	
		583-252-16A	583-252-23A	
BIOPSY FORCEPS ► oval ► serrated	400 mm	583-256-16/R40	-	 double action
		583-256-16/RA40	-	
	340 mm	583-256-16/R	-	
		583-256-16/RA	-	

Article numbers ending with A = Insert only.

MICRO INSTRUMENTS FOR HYSTEROSCOPY






- ▶ Semi-rigid instruments for instrument channels 5 Fr. or 7 Fr.



SEMI-RIGID INSTRUMENTS Ø 1.6 mm; with EXCHANGEABLE INSERTS

FL 400 mm FL 340 mm

Description	Length (FL)	5 Fr.	7 Fr.	Information
GRASPING FORCEPS ▶ alligator jaw	400 mm	583-062-16	583-062-23	 double action
		583-062-16A	583-062-23A	
	340 mm	583-262-16	583-262-23	
		583-262-16A	583-262-23A	
GRASPING FORCEPS ▶ serrated	400 mm	583-072-16	-	 single action
		583-072-16A	-	
	340 mm	583-272-16	-	
		583-272-16A	-	
TENACULUM FORCEPS ▶ for large fragments	340 mm	-	583-278-23	 double action
		-	583-278-23A	
HANDLE only (spare part)	583-305-00	for all micro instruments 5/7 Fr. with Art. No's 583-XXX-XX except "semi-rigid instruments with LUERLOCK or ANTIKINK PROTECTION"		

Article numbers ending with **A** = Insert only.






HF ELECTRODES FOR HYSTEROSCOPY


- ▶ Flexible electrodes for use with **monopolar** current and non-conductive solution (Sorbitol, Mannitol, Glycine); 3-7 Fr.
- ▶ Semi-flexible electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %); 5 Fr.



FLEXIBLE ELECTRODES; **MONOPOLAR** FL 470 mm

			
Size	BUTTON ELECTRODE	NEEDLE ELECTRODE, angled	LOOP ELECTRODE
3 Fr.	582-510-03	-	-
5 Fr.	582-510-05	582-511-05	582-514-05
7 Fr.	582-510-07	582-511-07	582-514-07

HF CONNECTION CABLES; **MONOPOLAR** for working elements and flexible electrodes


Available for following units:	3.0 m	Instrument side	
Erbe/ICC/ACC/Storz Ø 5.0 mm Valleylab, Conmed Ø 8.0 mm TONTARRA mod. PWT-400; Equipment with banana plug Ø 4.0 mm	582-531-02 582-532-03 582-533-04	Round plug 	For further information and pictures see the overview about cables in chapter "HF Generator & Connection cables".



SEMI-FLEXIBLE ELECTRODES; **BIPOLAR** FL 360 mm Size 5 Fr.

				
	BUTTON ELECTRODE	NEEDLE ELECTRODE angled 45°	NEEDLE ELECTRODE angled 90°	NEEDLE ELECTRODE straight
	582-515-05	582-516-05	582-518-05	582-517-05

HF CONNECTION CABLES; **BIPOLAR** for semi-flexible electrodes with flat-cable plug

Available for following units:	3.0 m	5.0 m	Instrument side	
Erbe; Storz/unit side round plug Berchthold/Martin/unit side round plug US-Models; 2-pins/unit side banana plugs TONTARRA mod. PWT-400; Valleylab; International Models; 2 pins	287-200-30 287-205-30 287-210-30 287-215-30	287-200-50 287-205-50 287-210-50 287-215-50	Flat plug 	For further information and pictures see the overview about cables in chapter "HF Generator & Connection cables".






RETRACTION BASKET FOR HYSTEROSCOPY

- ▶ By Dr. Zizza
- ▶ The retraction basket can be used for the extraction of polyps and fibroids.



RETRACTION BASKET FOR HYSTEROSCOPY

Description	Art. No.	
HANDLE for Dr. Zizza system	640-060-20	
TUBUS semiflexible; isolated; Luer-Lock	640-060-16	
NITINOL BASKET by Dr. Zizza oval; 4-wires; Luer-Lock; atraumatic tip	640-060-04	



HYSTERO-BLOCK

► Pain reduction made easy, safe and reliable.

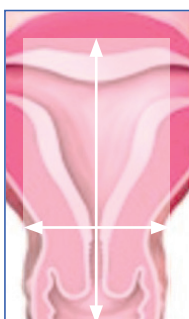
PARACERVICAL LOCAL BLOCKADE IN HYSTEROSCOPY (hysteroscopes up to approx. Ø 5.0 mm) & MINI-RESECTOSCOPY

“Applying injection of local anesthetics before hysteroscopic office procedures leads to significant pain reduction”.

The practical guideline in office hysteroscopy, by SEGI
(Società Italiana di Endoscopia Ginecologica)



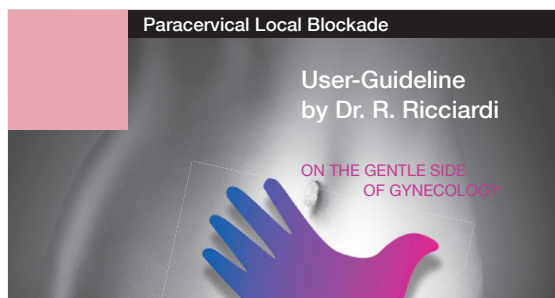
With more than 60,000 diagnostic and operative hysteroscopic procedures Dr. Raffaele Ricciardi is one of the top experts in the field. He also published and co-authored several studies and articles. Dr. Ricciardi annually performs 1.300 surgeries, of these over 700 with paracervical local blockades.



Anesthetized area

Criteria to apply local anesthesia on the patient's side are anatomic circumstances (for example patients who never gave birth may experience more pain), or the anticipated anxiety and stress level during an intervention; **applying local anesthesia is reassuring for patient and gynecologist alike.**

Another criteria is of course the intervention itself; its duration is a determining factor for pain sensation. In any case: Anesthesia assistance should be within reach in case of an emergency.



Please contact us for further information and Dr. Ricciardi's User Guideline.

Dr. Raffaele RICCIARDI

born in Andria, Italy, in 1953, graduated *cum laude* in Medicine at the University of Pavia in 1977, and received his Certification as a specialist in Obstetrics and Gynecology in 1982.

In 1983 he started his brilliant career as a gynecologist at the renowned IRCCS (Institute for Research and Health Care) polyclinic “Casa Sollievo della Sofferenza”, San Giovanni Rotondo. Since 1985 he dedicated himself intensively to diagnostic and operative hysteroscopy, participating as instructor, lecturer and speaker in several courses, conferences and congresses around the world.

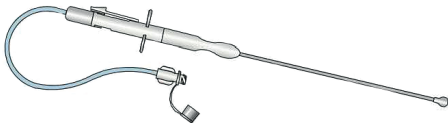
In 1998 he became a member of the Executive Council at the Diagnostic and Operative Hysteroscopy School “Arbor Vitae”, directed by Prof. Ivano Mazzon (based in Rome).

Since 2007 he is the Director of the Hysteroscopy Department, Abano Terme Polyclinic.

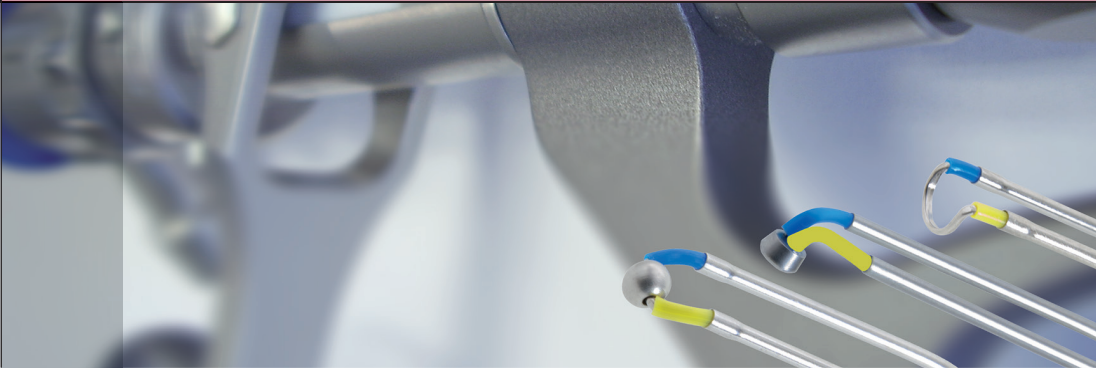
Reference center for Mini-Resectoscopy

HYSTERO-BLOCK

FL 270 mm

Description	Art. No.	
HYSTERO-BLOCK NEEDLE ► Ø 20G	BELO/2-PB02N (Box of 10 pcs.)	

Produced by BEL Bio Engineering Laboratories S.R.L, Italy - distributed by TONTARRA

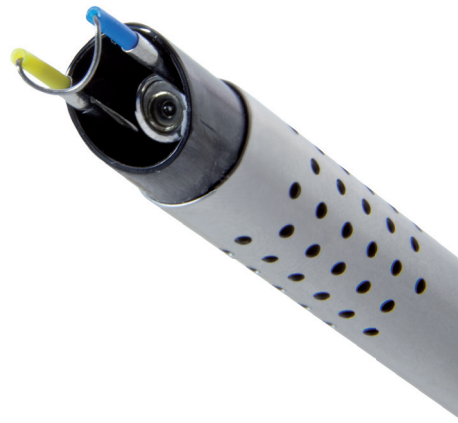


RESECTOSCOPY

Ø 4.0 mm

◀ 24/26 Fr.

◀ 27/28.5 Fr.





RESECTOSCOPY

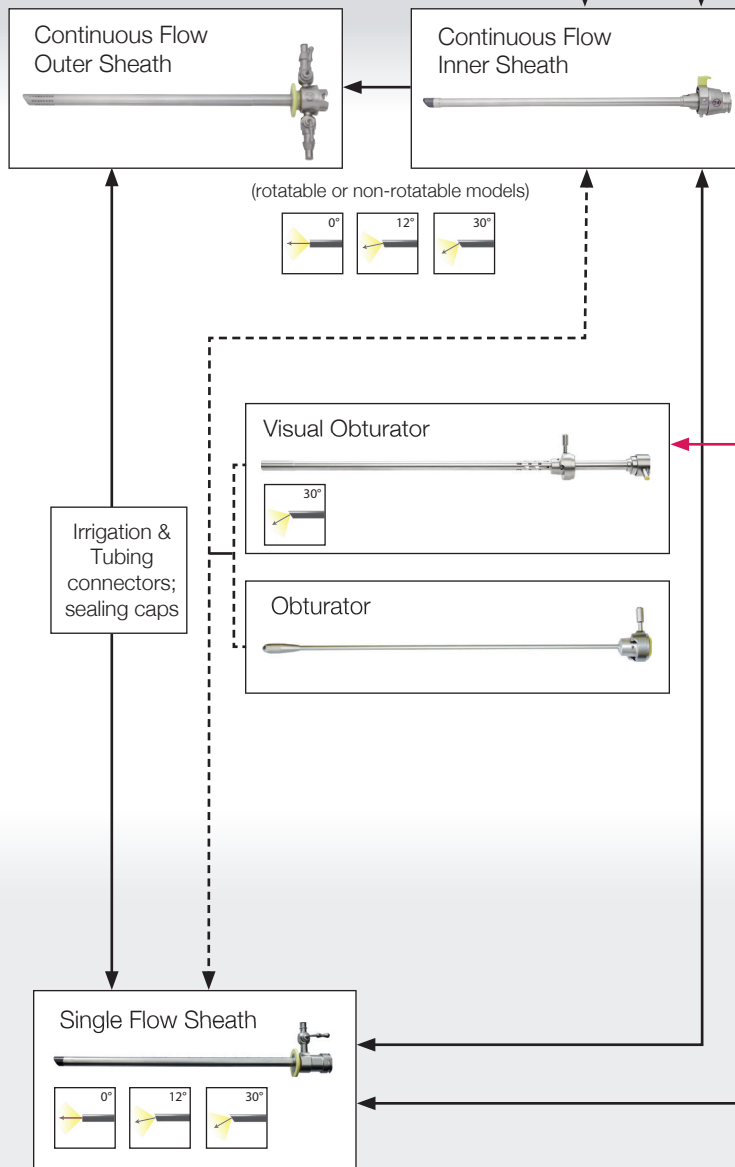
► Schematic overview

HYBRID RESECTOSCOPY



HYBRID RESECTOSCOPY

- for **monopolar** use or
- for **bipolar** use in saline solution NaCl 0.9 %



< BOTH SYSTEMS >

RESECTOSCOPY **monopolar**

RESECTOSCOPY for **monopolar** use only

■ 24/26 Fr.




Systems and components for Ø 4.0 mm telescopes

■ 27/28.5 Fr.

Systems and components for Ø 2.9 mm telescopes

□ 19/22 Fr.

MINI-HYSTERO-RESECTOSCOPE
for Ø 2.9 mm telescopes
for use with **bipolar** current
in saline solution NaCl 0.9 %



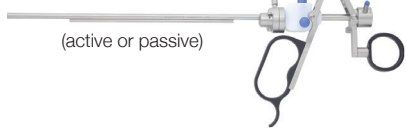
17.5/18.5 Fr.

Electrodes **bipolar**
(Reusable or SALINAE Single use)



(examples)

Hybrid Working Element
(active or passive)




HF Connection cables (2 types):

monopolar
- - - - - to connect working element to HF generator

bipolar
~~~~~ to connect working element to HF generator


Telescopes Ø 4.0 / Ø 2.9 mm  
0°; 12°; 30°



HF Generator

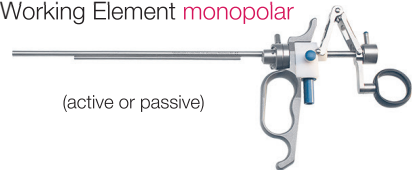


Electrodes **monopolar**



(examples)

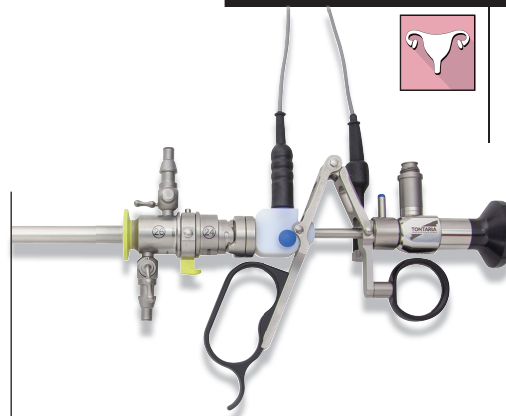
**Working Element monopolar**  
(active or passive)



# RESECTOSCOPY



TONTARRA features an extensive modular resectoscopy system build around supreme quality resectoscopic sheaths in different sizes, several types of working elements, plus a wide range of electrodes for use with monopolar current, or bipolar current in saline solution (0.9 % NaCl).



TONTARRA Hybrid Resectoscopy Systems respond to actual trends in contemporary gynecological resectoscopy.

## TONTARRA'S PORTFOLIO INCLUDES

### FOR Ø 4.0 mm TELESCOPES:

► RESECTOSCOPY LINE 24/26 Fr.

- Continuous flow sheaths for mono- & bipolar use
- Single flow sheaths for monopolar use
- Hybrid Working elements for mono- or bipolar current, or working elements only for monopolar use; working elements for Gyrus electrodes

► RESECTOSCOPY LINE 27/28.5 Fr.

- Continuous flow sheaths for monopolar use
- Single flow sheaths for monopolar use

► PREPARATION LOOPS

- For myomectomy

### FOR Ø 2.9 mm TELESCOPES:

► RESECTOSCOPY LINE 19/22 Fr.

- Continuous flow sheaths for mono- & bipolar use
- Single flow sheaths for monopolar use

► PREPARATION LOOPS

- For myomectomy

The tendency clearly goes towards the use of bipolar current with saline solution (0.9 % NaCl) as distension medium thanks to several advantages:

- less risk of hyponatremia and hypervolemia
- less distension volume/less strain on the tissue
- lower work temperature on tissue during surgery which results in less necrosis around the treated areas

- Reusable Mono- & Bipolar electrodes and bipolar **single use** electrodes (Salinæ)

19/22 Fr.    24/26 Fr.    27/28.5 Fr.

#### Monopolar electrodes



(examples)

#### Bipolar electrodes

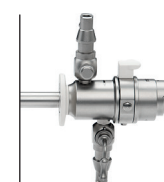
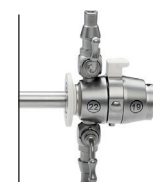


#### Preparation loops



(examples)

#### 19/22 Fr: TONTARRA's „White Line“



A further miniaturization of instruments in Gynecology is reflected by TONTARRA's 19/22 Fr. resectoscopy system for Ø 2.9 mm telescopes with loops optimally designed for more patient-friendly, lower impact interventions which result in a faster healing process for the patient and cost reduction for health care systems.

# RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

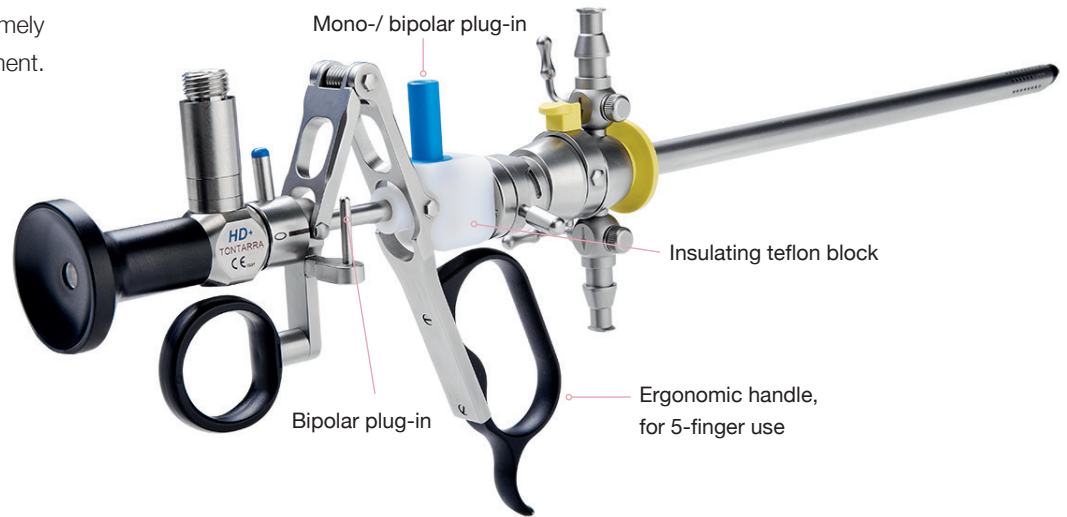
► HYBRID HF working elements 24/26 Fr.



■ 24/26 Fr.




Hybrid Resectoscopes facilitate the gradual integration of new procedures into clinics, and provide the freedom of choice to either proceed working with monopolar distension mediums, or to gradually change procedures to the use of bipolar current in saline solution.

A light-weight and extremely ergonomic working element.



## HYBRID HF WORKING ELEMENTS; closed handle

- For use with electrodes in **monopolar** current mode and non-conductive solution (e.G. Sorbitol, Mannitol, Glycine)
- For use with electrodes in **bipolar** current mode and conductive solution (physiologic saline solution, NaCl 0.9 %)

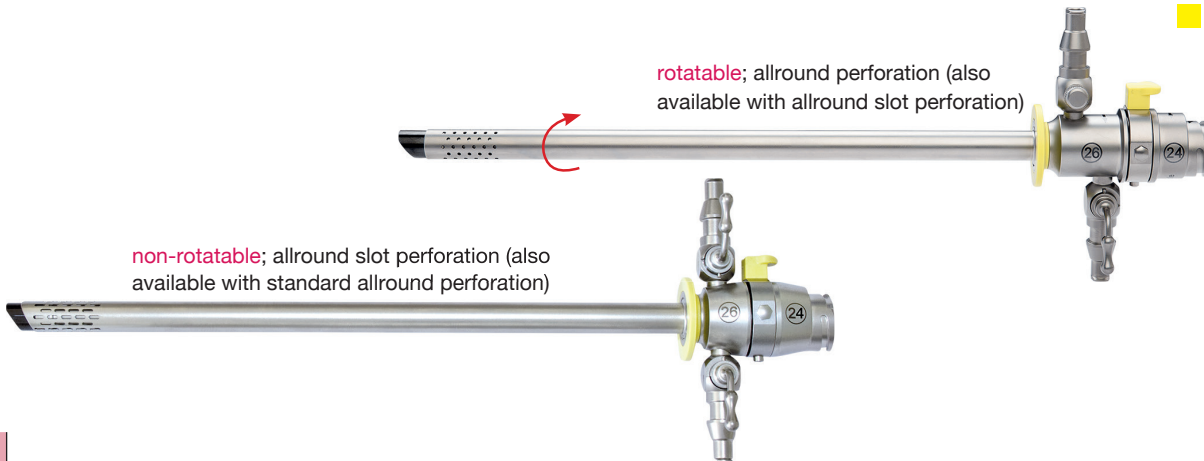
| Description                                                                                                                                                                                    | Art. No.      | HF-Connection |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------|
| WORKING ELEMENT;<br>active<br>                                                                              | 630-235-10B   | upwards       |
| WORKING ELEMENT;<br>passive<br>                                                                             | 630-235-60B   | upwards       |
| SAFETY DISTANCE HOLDER<br>for bipolar working element 630-235-10B;<br>635-235-60B (2.0 mm width); 1 pc.<br> | 582-150-02GUB | -             |

# RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES



► HYBRID continuous flow sheaths for **mono-** & **bipolar** use

■ 24/26 Fr.



CONTINUOUS FLOW SHEATHS; 2 stopcocks; without obturator

► ■ yellow



| Description                                                                                              | Allround perforation           | Slot perforation               |
|----------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|
| The continuous flow sheaths are available with allround- or slot perforation (see pictures to the right) |                                |                                |
| <b>non-rotatable</b>                                                                                     |                                |                                |
| <b>OUTER SHEATH</b><br>► 26 Fr.<br>► 2 stopcocks                                                         |                                | 630-204-06                     |
| <b>INNER SHEATH</b><br>► 24/26 Fr.                                                                       |                                | 630-204-07                     |
| <b>rotatable</b>                                                                                         |                                |                                |
| <b>OUTER SHEATH</b><br>► 26 Fr.<br>► 2 stopcocks                                                         |                                | 630-204-26                     |
| <b>INNER SHEATH</b><br>► 24/26 Fr.                                                                       |                                | 630-209-06                     |
| <b>OUTER SHEATH</b><br>► 26 Fr.<br>► 2 stopcocks                                                         |                                | 630-209-07                     |
| <b>INNER SHEATH</b><br>► 24/26 Fr.                                                                       |                                | 630-209-26                     |
| 601-104-00HD;<br>601-104-00HD2                                                                           | 601-104-12HD;<br>601-104-12HD2 | 601-104-30HD;<br>601-104-30HD2 |

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES







► Obturators



■ 24/26 Fr.

OBTURATORS; ADAPTOR

➡ 24/26 Fr.

| Description                                                                                                                             | ■ yellow   | Information                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------------|
| STANDARD OBTURATOR<br>                                | 630-215-24 |                                                                                                                          |
| DEFLECTING TIP OBTURATOR<br>                          | 630-220-24 |                                       |
| VISUAL OBTURATOR<br>                                  | 630-225-24 |  30°<br>601-104-30HD<br>601-104-30HD2 |
| VISUAL OBTURATOR with 1 instrument channel 5 Fr.<br> | 630-230-24 |                                                                                                                          |

## RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES



- ▶ Reusable electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %)
- ▶ SALINÆ disposable electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %)

■ 24/26 Fr.

### BIPOLAR ELECTRODES; reusable or single use

➡ 24/26 Fr.

| Description                                                       | Color code    | Reusable      | SALINÆ Single use electrodes* |  |
|-------------------------------------------------------------------|---------------|---------------|-------------------------------|--|
| LOOP ELECTRODE; angled; 30°                                       | ■ yellow/blue | 630-240-00B   | 630-240-00B-S                 |  |
| PI CUT LOOP ELECTRODE; high temperature resistance and longer use | ■ yellow/blue | 630-240-00BPI | -                             |  |
| LOOP ELECTRODE                                                    | ■ yellow/blue | 630-240-05B   | -                             |  |
| LOOP ELECTRODE; straight                                          | ■ yellow/blue | 630-240-10B   | 630-240-10B-S                 |  |
| BALL ELECTRODE; Ø 3 mm                                            | ■ yellow/blue | 630-240-15B   | 630-240-15B-S                 |  |
| BALL ELECTRODE; Ø 5 mm                                            | ■ yellow/blue | 630-240-20B   | -                             |  |
| ROLLER ELECTRODE; Ø 3 mm                                          | ■ yellow/blue | 630-240-25B   | -                             |  |
| ROLLER ELECTRODE; Ø 5 mm                                          | ■ yellow/blue | 630-240-30B   | -                             |  |
| CONICAL ELECTRODE                                                 | ■ yellow/blue | 630-240-35B   | -                             |  |
| KNIFE ELECTRODE                                                   | ■ yellow/blue | 630-240-40B   | 630-240-40B-S                 |  |

\* Sterile, single packaged; 5 pcs./box

For cable connection see cable overview on the next page or in chapter "HF Generator & Connection cables".

RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES


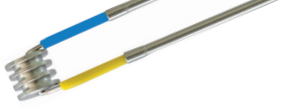

▶ Reusable electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %)



■ 24/26 Fr.

**BIPOLAR** ELECTRODES; reusable

➡ 24/26 Fr.

| Description                             | Color code    | Reusable    | SALINÆ Single use electrodes |                                                                                     |
|-----------------------------------------|---------------|-------------|------------------------------|-------------------------------------------------------------------------------------|
| VAPORIZATION ELECTRODE; Ø 3 mm; toothed | ■ yellow/blue | 630-240-45B | –                            |  |
| VAPORIZATION ELECTRODE; Ø 5 mm; smooth  | ■ yellow/blue | 630-240-60B | –                            |  |
| VAPORIZATION ELECTRODE; cone shaped     | ■ yellow/blue | 630-240-75B | –                            |  |

# RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- ▶ Working elements; **monopolar**
- ▶ Single flow sheaths



- 24/26 Fr.
- 27/28.5 Fr.

## MONOPOLAR HF WORKING ELEMENTS; closed handles

| Description                 | Art. No.   | HF-Connection |  |
|-----------------------------|------------|---------------|--|
| WORKING ELEMENT;<br>active  | 630-235-10 | downwards     |  |
| WORKING ELEMENT;<br>passive | 630-235-60 | downwards     |  |
| WORKING ELEMENT;<br>active  | 630-235-11 | upwards       |  |
| WORKING ELEMENT;<br>passive | 630-235-61 | upwards       |  |

Can be used with continuous flow sheaths

## SINGLE FLOW SHEATHS; 24 Fr. (**monopolar use recommended**)

| Size                                      | Color code | Art. No.   | Information |
|-------------------------------------------|------------|------------|-------------|
| SINGLE FLOW SHEATH with 1 stopcock<br>    | ■ yellow   | 630-200-24 |             |
| SINGLE FLOW SHEATH with central valve<br> |            | 630-202-24 |             |



# RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- ▶ Reusable electrodes for use with **monopolar** current and non-conductive solution (Sorbitol, Mannitol, Glycine)



■ 24/26 Fr.

## MONOPOLAR HF ELECTRODES

➡ 24/26 Fr.

| ➡ 24/26 Fr.                        | Color code | Art. No.   | Electrode Spec. |  |
|------------------------------------|------------|------------|-----------------|--|
| LOOP ELECTRODE;<br>angled 30°      | ■ yellow   | 630-240-00 | 30°             |  |
| LOOP ELECTRODE;<br>angled 12°      | ■ blue     | 630-240-05 | -               |  |
| LOOP ELECTRODE;<br>straight        | ■ yellow   | 630-240-10 | -               |  |
| BALL ELECTRODE                     | ■ yellow   | 630-240-15 | Ø 3.0 mm        |  |
|                                    | ■ yellow   | 630-240-20 | Ø 5.0 mm        |  |
| ROLLER ELECTRODE                   | ■ yellow   | 630-240-25 | Ø 3.0 mm        |  |
|                                    | ■ yellow   | 630-240-30 | Ø 5.0 mm        |  |
| CONICAL ELECTRODE                  | ■ yellow   | 630-240-35 | -               |  |
| KNIFE ELECTRODE;<br>angled         | ■ yellow   | 630-240-40 | -               |  |
| VAPORIZATION ELECTRODE;<br>toothed | ■ yellow   | 630-240-45 | Ø 3.0 mm        |  |
|                                    | ■ yellow   | 630-240-50 | Ø 5.0 mm        |  |
| VAPORIZATION ELECTRODE;<br>smooth  | ■ yellow   | 630-240-55 | Ø 3.0 mm        |  |
|                                    | ■ yellow   | 630-240-60 | Ø 5.0 mm        |  |
| BAND ELECTRODE;<br>angled          | ■ yellow   | 630-240-65 | 30°             |  |
|                                    | ■ yellow   | 630-240-70 | 0°/12°          |  |

For cable overview see Chapter "HF Generator & Connection cables"



24/26 Fr.

## PREPARATION LOOPS

- ▶ » COLD LOOPS « for safe submucosal Myomectomy, or Synechiolysis
- ▶ For submucosal G1 and G2 Myomas



### THE MECHANICAL ENUCLEATION TECHNIQUE / ADVANTAGES OF COLD LOOPS:

- ▶ Less traumatizing intervention: less weakening of the myometrium
- ▶ Avoiding of thermal damage to blood vessels: The vascularised connective tissue bridges are lacerated without the use of any type of HF current
- ▶ No forming of fibrotic scarring during the healing process

### THE METHOD IN SHORT:

Following the elimination of the intracavitary component using the traditional resectoscopic "slicing" technique with a monopolar or bipolar current, the intramural component gets removed with the use cold loops by exercising force in the cleavage space between the myoma and the surrounding myometrium to separate the myoma from the uterine wall. Thus, the intramural component of the myoma is transformed into an intracavitary component, which can then be removed using the traditional technique.

## PREPARATION LOOPS (COLD LOOPS)

24/26 Fr.

| Description                                                                                                                                                                                                                                                                                                                                             | Art. No.   |  | Information                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>▶ straight</li> <li>▶ with rectangular shape</li> </ul>                                                                                                                                                                                                                                                          | 630-250-00 |  | »Cold Loops«, so-called because they are used without HF current, only employ mechanical energy for enucleation. <ul style="list-style-type: none"> <li>▶ For currentless use only</li> <li>▶ <b>CAUTION:</b><br/>The PREPARATION LOOPS may never be used when the current is on. Make absolutely sure that the resectoscopes is not connected to any HF-unit when you are using the PREPARATION LOOPS.</li> </ul> |
| <ul style="list-style-type: none"> <li>▶ straight</li> <li>▶ with round shape</li> </ul>                                                                                                                                                                                                                                                                | 630-250-05 |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>▶ 90°-right angled</li> <li>▶ pointed</li> </ul>                                                                                                                                                                                                                                                                 | 630-250-10 |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>▶ 45°-angled</li> <li>▶ pointed</li> </ul>                                                                                                                                                                                                                                                                       | 630-250-15 |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>▶ straight</li> <li>▶ pointed</li> </ul>                                                                                                                                                                                                                                                                         | 630-250-20 |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>▶ right angle</li> <li>▶ double pointed</li> </ul>                                                                                                                                                                                                                                                               | 630-250-25 |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <ul style="list-style-type: none"> <li>▶ Recommended for use with TONTARRA Resectoscopes 24/26 Fr. (Art. No. 630-235-60 and 630-235-60B)</li> <li>▶ Sterilizable and reusable; compatible with the following sterilization methods: AUTOCLAVE (Stream), STERIS (Peracetic and Peroxyacetic Acid), STERRAD (Gas Plasma), ETO (Ethylene Oxide)</li> </ul> |            |  |                                                                                                                                                                                                                                                                                                                                                                                                                    |

# RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

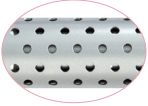
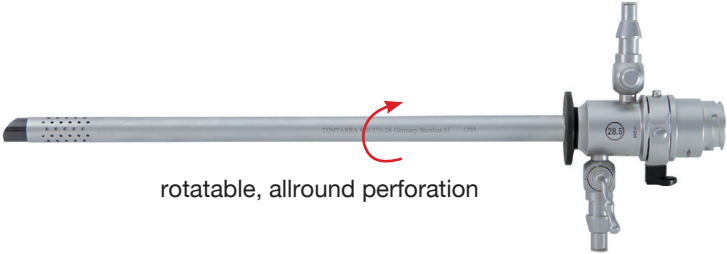
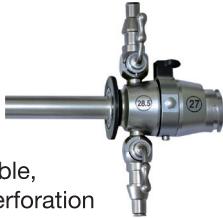
- ▶ HYBRID continuous flow sheaths for **mono-** & **bipolar** use
- ▶ Obturators & adaptor



■ 27/28.5 Fr.

## CONTINUOUS FLOW SHEATHS; 2 stopcocks



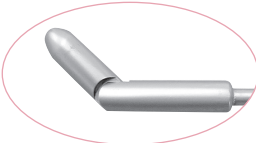





| Description                                                                                                                                                                                                                             | Allround perforation                                                                                                                                           |                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
|   <p style="text-align: center;">rotatable, allround perforation</p> |  <p style="text-align: center;">non-rotatable,<br/>allround perforation</p> |                                |
| OUTER SHEATH (28.5 Fr.)                                                                                                                                                                                                                 | <b>Non-rotatable</b><br>630-204-08                                                                                                                             | <b>Rotatable</b><br>630-209-08 |
| INNER SHEATH (27 Fr.)                                                                                                                                                                                                                   | 630-204-28                                                                                                                                                     | 630-209-28                     |

All mono- and bipolar electrodes for the 24/26 Fr. resectoscopy system can also be used with the 27/28.5 Fr. system. For monopolar electrodes 27/28.5 Fr. see next page

## OBTURATORS; ADAPTOR

⇒ 27/28.5 Fr.

| Description                                                                                                                              | Art. No.   | Information                                                                                                                |
|------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------|
| STANDARD OBTURATOR<br>                               | 630-215-27 |                                                                                                                            |
| DEFLECTING TIP OBTURATOR<br>                         | 630-220-27 |                                       |
| VISUAL OBTURATOR<br>                                 | 630-225-27 |  30°<br>601-104-30HD<br>601-104-30HD2 |
| VISUAL OBTURATOR with 1 instrument channel 7 Fr.<br> | 630-230-27 |                                                                                                                            |

## RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES



- ▶ Single flow sheaths for **monopolar** use
- ▶ Reusable electrodes for use with **monopolar** current and non-conductive solution (Sorbitol, Mannitol, Glycine)



■ 27/28.5 Fr.





### SINGLE FLOW SHEATHS (**monopolar use recommended**)



| Description                                                                                                                         | Art. No.   |
|-------------------------------------------------------------------------------------------------------------------------------------|------------|
| SINGLE FLOW SHEATH with 1 stopcock; 27 Fr.<br>    | 630-200-27 |
| SINGLE FLOW SHEATH with central valve; 27 Fr.<br> | 630-202-27 |


### MONOPOLAR ELECTRODES

⇒ 27/28.5 Fr.

| ⇒ 27/28.5 Fr.               | Color code | Art. No.   | Electrode Spez. |                                                                                       |
|-----------------------------|------------|------------|-----------------|---------------------------------------------------------------------------------------|
| LOOP ELECTRODE;<br>angled   | ■ brown    | 630-240-01 | 30°             |  |
|                             | ■ brown    | 630-240-06 | 12°             |  |
| LOOP ELECTRODE;<br>straight | ■ brown    | 630-240-11 |                 |  |
| KNIFE ELECTRODE;<br>angled  | ■ brown    | 630-240-41 |                 |  |

Monopolar electrodes for 24/26 Fr. resectoscopes can also be used with TONTARRA's 27/28.5 Fr. resectoscopes.

### HF CONNECTION CABLES; **MONOPOLAR** for working elements and flexible electrodes

|                                                                                                                                                                  |                                                        |                                                                                                                              |                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Available for following units:</b><br>Erbe/ICC/ACC/Storz Ø 5.0 mm<br>Valleylab, Conmed Ø 8.0 mm<br>TONTARRA mod. PWT-400; Equipment with banana plug Ø 4.0 mm | <b>3.0 m</b><br>582-531-02<br>582-532-03<br>582-533-04 | <b>Instrument side</b><br>Round plug<br> | For further information and pictures see the overview about cables in chapter "HF Generator & Connection cables". |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|

## RESECTOSCOPY SYSTEM FOR Ø 4.0 mm TELESCOPES

- ▶ Working elements for Ø 4.0 mm telescopes
- ▶ To use with **bipolar** Gyrus electrodes and Gyrus generator  
(from company Olympus/Gyrus)



■ 24/26 Fr.

### WORKING ELEMENT TO USE WITH GYRUS ELECTRODES; **BIPOLAR**

- ▶ Titanium; closed handle

| Compatibility   | Active cutting | Passive cutting | Conus      |  |
|-----------------|----------------|-----------------|------------|--|
| GYRUS / Storz   | 630-350-05     | 630-350-55      | 2 included |  |
| extra conus     |                |                 | 630-350-90 |  |
| GYRUS / Wolf    | 630-351-05     | 630-351-55      | 1 included |  |
| extra conus     |                |                 | 630-351-90 |  |
| GYRUS / Olympus | 630-352-05     | 630-352-55      | 1 included |  |
| extra conus     |                |                 | 630-352-90 |  |





# RESECTOSCOPY

Ø 2.9 mm

◀ 19/22 Fr.



# RESECTOSCOPY SYSTEM FOR Ø 2.9 mm TELESCOPES





- ▶ Working elements (**hybrid** or **monopolar**) for Ø 2.9 mm telescopes

## HYBRID WORKING ELEMENTS; closed handles

- ▶ For use with electrodes in **monopolar** current mode and non-conductive solution (e.G. Sorbitol, Mannitol, Glycine)
- ▶ For use with electrodes in **bipolar** current mode and conductive solution (physiologic saline solution, NaCl 0.9 %)

| Description                                      | Art. No.    | HF-Connection |                                                                                     |
|--------------------------------------------------|-------------|---------------|-------------------------------------------------------------------------------------|
| <b>HYBRID WORKING ELEMENT;</b><br><b>active</b>  | 630-335-10B | upwards       |   |
| <b>HYBRID WORKING ELEMENT;</b><br><b>passive</b> | 630-335-60B | upwards       |  |

## WORKING ELEMENTS FOR **MONOPOLAR USE**; closed handles

| Description                               | Art. No.   | HF-Connection |                                                                                      |
|-------------------------------------------|------------|---------------|--------------------------------------------------------------------------------------|
| <b>WORKING ELEMENT;</b><br><b>active</b>  | 630-335-10 | downwards     |  |
| <b>WORKING ELEMENT;</b><br><b>passive</b> | 630-335-60 | downwards     |  |



# RESECTOSCOPY SYSTEM FOR Ø 2.9 mm TELESCOPES

- ▶ Resectoscopy sheaths for **mono & bipolar** use
- ▶ Obturators



19/22 Fr.

## HYBRID CONTINUOUS FLOW SHEATHS; 2 stopcocks

| Description                            | Allround perforation                       |            |
|----------------------------------------|--------------------------------------------|------------|
| <p>rotatable, allround perforation</p> | <p>non-rotatable, allround perforation</p> |            |
|                                        | Non-rotatable                              | Rotatable  |
| OUTER SHEATH; 22 Fr.                   | 630-304-01                                 | 630-309-01 |
| INNER SHEATH; 19 Fr.                   | 630-304-21                                 | 630-309-21 |

## SINGLE-FLOW SHEATH (monopolar use recommended)

| Description                                       | Color code                     | Art. No.   |
|---------------------------------------------------|--------------------------------|------------|
| <p>RESECTOSCOPY SHEATH; 19 Fr.<br/>1 stopcock</p> | <input type="checkbox"/> white | 630-300-19 |

## OBTURATORS

19/22 Fr.

| Size                      | Color code                     | Art. No.   | Information          |
|---------------------------|--------------------------------|------------|----------------------|
| <p>STANDARD OBTURATOR</p> | <input type="checkbox"/> white | 630-315-19 |                      |
| <p>VISUAL OBTURATOR</p>   | <input type="checkbox"/> white | 630-325-19 | <p>601-103-30HD2</p> |

## RESECTOSCOPY SYSTEM FOR Ø 2.9 mm TELESCOPES



- ▶ Reusable electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %)
- ▶ SALINÆ disposable electrodes for use with **bipolar** current and conductive solution (NaCl 0.9 %)  19/22 Fr.
- ▶ Reusable electrodes for use with **monopolar** current and non-conductive solution (Sorbitol, Mannitol, Glycine)

### MONOPOLAR ELECTRODES; reusable BIPOLAR ELECTRODES; reusable & single use

19/22 Fr.

| Description                         | Monopolar                      | Bipolar                             | SALINÆ Single use electrodes*       |  |
|-------------------------------------|--------------------------------|-------------------------------------|-------------------------------------|--|
|                                     | <input type="checkbox"/> white | <input type="checkbox"/> white/blue | <input type="checkbox"/> white/blue |  |
| LOOP ELECTRODE;<br>angled; 12°      | 630-340-00                     | 630-340-00B                         | 630-340-00B-S                       |  |
| LOOP ELECTRODE;<br>straight; 0°/12° | 630-340-05                     | 630-340-05B                         | 630-340-05B-S                       |  |
| BALL ELECTRODE;<br>Ø 3 mm           | 630-340-10                     | 630-340-10B                         | 630-340-10B-S                       |  |
| KNIFE ELECTRODE;<br>angled          | 630-340-15                     | 630-340-15B                         | 630-340-15B-S                       |  |
| ROLLER ELECTRODE;<br>Ø 3 mm         | 630-340-20                     | -                                   | -                                   |  |

\*Sterile, single packaged; 5 pcs./box

Example for the bipolar electrode:



630-340-05B or 630-340-05B-S

Reusable and Salinæ single use electrodes for **bipolar** applications come with white/blue insulation.

### HF CONNECTION CABLES; **MONOPOLAR** for working elements and flexible electrodes

| Available for following units:                             | 3.0 m      | Instrument side |                                                                                                                   |
|------------------------------------------------------------|------------|-----------------|-------------------------------------------------------------------------------------------------------------------|
| Erbe/ICC/ACC/Storz Ø 5.0 mm                                | 582-531-02 | Round plug      | For further information and pictures see the overview about cables in chapter "HF Generator & Connection cables". |
| Valleylab, Conmed Ø 8.0 mm                                 | 582-532-03 |                 |                                                                                                                   |
| TONTARRA mod. PWT-400; Equipment with banana plug Ø 4.0 mm | 582-533-04 |                 |                                                                                                                   |



## PREPARATION LOOPS

- ▶ » COLD LOOPS « for safe submucosal Myomectomy, or Synechiolysis
- ▶ For submucosal G1 and G2 Myomas



### THE MECHANICAL ENUCLEATION TECHNIQUE / ADVANTAGES OF COLD LOOPS:

- ▶ Less traumatizing intervention: less weakening of the myometrium
- ▶ Avoiding of thermal damage to blood vessels: The vascularised connective tissue bridges are lacerated without the use of any type of HF current
- ▶ No forming of fibrotic scarring during the healing process

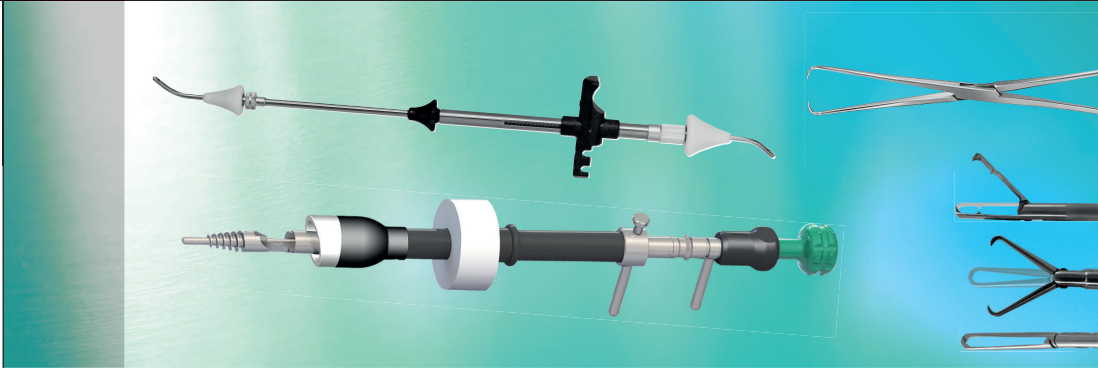
### THE METHOD IN SHORT:

Following the elimination of the intracavitary component using the traditional resectoscopic "slicing" technique with a monopolar or bipolar current, the intramural component gets removed with the use cold loops by exercising force in the cleavage space between the myoma and the surrounding myometrium to separate the myoma from the uterine wall. Thus, the intramural component of the myoma is transformed into an intracavitary component, which can then be removed using the traditional technique.

### PREPARATION LOOPS (COLD LOOPS)

| Description                                                                                                                                                                                   | Art. No.   |  | Information                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>▶ straight</li> <li>▶ with rectangular shape</li> </ul>                                                                                                | 630-255-00 |  | »Cold Loops«, so-called because they are used without HF current, only employ mechanical energy for enucleation.<br><br>▶ For currentless use only<br>▶ <b>CAUTION:</b><br>The PREPARATION LOOPS may never be used when the current is on. Make absolutely sure that the resectoscopes is not connected to any HF-unit when you are using the PREPARATION LOOPS. |
| <ul style="list-style-type: none"> <li>▶ 90°-right angled</li> <li>▶ pointed</li> </ul>                                                                                                       | 630-255-10 |  |                                                                                                                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>▶ right angle</li> <li>▶ double pointed</li> </ul>                                                                                                     | 630-255-25 |  |                                                                                                                                                                                                                                                                                                                                                                  |
| ▶ Sterilizable and reusable; compatible with the following sterilization methods:<br>AUTOCLAVE (Stream), STERIS (Peracetic and Peroxyacetic Acid), STERRAD (Gas Plasma), ETO (Ethylene Oxide) |            |  |                                                                                                                                                                                                                                                                                                                                                                  |





# INSTRUMENTS FOR GYNECOLOGY

Endoscopic Standard Instruments



Laparoscopic Standard Instruments







**INSTRUMENTS FOR GYNECOLOGY**



- ▶ Uterine tenaculum forceps
- ▶ Uterus probes



**UTERINE TENACULUM FORCEPS**

| Description                        |                                                                                      | Size  | Art. No.   |
|------------------------------------|--------------------------------------------------------------------------------------|-------|------------|
| BARRETT uterine tenaculum forceps  |    | 18 cm | 180-410-18 |
| POZZI uterine tenaculum forceps    |    | 26 cm | 180-402-26 |
| BRAUN uterine tenaculum forceps    |   | 25 cm | 180-404-25 |
| SCHACKE uterus manipulator forceps |  | 23 cm | 180-494-23 |

**UTERUS PROBES; Rigid or malleable**

| Description                                                                                                     | Art. No.                | Description                                                                                                        | Art. No.                  |
|-----------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------|
| SIMS uterus probe; 32 cm<br> | curved up<br>180-510-32 | SIMSON uterus probe; 32 cm<br> | curved down<br>180-516-32 |
| RIGID                                                                                                           | 180-510-32              | RIGID                                                                                                              | 180-516-32                |
| MALLEABLE                                                                                                       | 180-511-32              | MALLEABLE                                                                                                          | 180-518-32                |

## INSTRUMENTS FOR GYNECOLOGY

- ▶ Hegar uterine dilators
- ▶ Intra-uterine probe
- ▶ Portio adapters



### HEGAR UTERINE DILATORS; Available in sets, or single dilators

| Description                                     | Specification                                                                  | Art. No.       |  |            |
|-------------------------------------------------|--------------------------------------------------------------------------------|----------------|--|------------|
| Extra small dilator (not included in a set):    | Ø 1.0/2.0 mm                                                                   | 180-354-01     |  |            |
| SET with 8 DILATORS Ø 3.0/4.0 – Ø 17.0/18.0 mm  | <b>Set 8 dilators</b>                                                          | 180-354-98     |  |            |
|                                                 | Ø 3.0/4.0 mm                                                                   | 180-354-03     |  |            |
|                                                 | Ø 5.0/6.0 mm                                                                   | 180-354-05     |  |            |
|                                                 | Ø 7.0/8.0 mm                                                                   | 180-354-07     |  |            |
|                                                 | Ø 9.0/10.0 mm                                                                  | 180-354-09     |  |            |
|                                                 | Ø 11.0/12.0 mm                                                                 | 180-354-11     |  |            |
|                                                 | Ø 13.0/14.0 mm                                                                 | 180-354-13     |  |            |
|                                                 | Ø 15.0/16.0 mm                                                                 | 180-354-15     |  |            |
| SET with 12 DILATORS Ø 3.0/4.0 – Ø 25.0/26.0 mm | <b>Set 12 dilators</b>                                                         | 180-354-99     |  |            |
|                                                 | Content:<br>same as set with 8 DILATORS, plus Ø 19.0/20.0 mm to Ø 25.0/26.0 mm | Ø 19.0/20.0 mm |  | 180-354-19 |
|                                                 | Ø 21.0/22.0 mm                                                                 | 180-354-21     |  |            |
|                                                 | Ø 23.0/24.0 mm                                                                 | 180-354-23     |  |            |
|                                                 | Ø 25.0/26.0 mm                                                                 | 180-354-25     |  |            |

### COHEN INTRA-UTERINE PROBE

| Description                                                                                                                                                                                                                                                         |  |                      |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|----------------------|
| COHEN INTRA-UTERINE PROBE <ul style="list-style-type: none"> <li>▶ Including 2 portio adapters</li> <li>▶ Firm positioning of the uterus during surgery</li> <li>▶ Instillation of contrast medium</li> <li>▶ Adapters optimally seal towards the cervix</li> </ul> |  | PORTIO ADAPTER small | PORTIO ADAPTER large |
| 180-530-00                                                                                                                                                                                                                                                          |  | 180-530-01           | 180-530-02           |

**INSTRUMENTS FOR GYNECOLOGY**



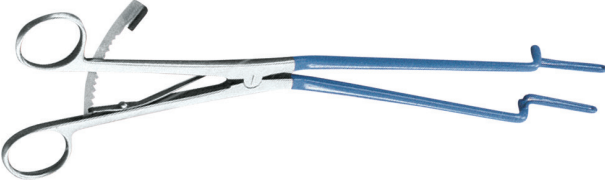


- ▶ Endospecula
- ▶ Endometrium suction biopsy curettes

**ENDOSPECULA**

▶ Ø 3.0 / 4.0 / 5.0 mm


▶ FL 28.0 cm / 11"

| Description                                         |                                                                                     | Diameter | Art. No.   |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|----------|------------|
| KOGAN ENDOSPECULUM<br>▶ without ratchet             |   | Ø 3.0 mm | 180-090-03 |
|                                                     |                                                                                     | Ø 4.0 mm | 180-090-04 |
|                                                     |                                                                                     | Ø 5.0 mm | 180-090-05 |
| KOGAN ENDOSPECULUM<br>▶ with ratchet                |   | Ø 3.0 mm | 180-092-03 |
|                                                     |                                                                                     | Ø 4.0 mm | 180-092-04 |
|                                                     |                                                                                     | Ø 5.0 mm | 180-092-05 |
| KOGAN ENDOSPECULUM<br>▶ with ratchet<br>▶ insulated |  | Ø 3.0 mm | 180-093-03 |
|                                                     |                                                                                     | Ø 4.0 mm | 180-093-04 |
|                                                     |                                                                                     | Ø 5.0 mm | 180-093-05 |

**ENDOMETRIUM SUCTION BIOPSY CURETTES**

▶ Ø 1.0 / 2.0 / 3.0 / 4.0 mm

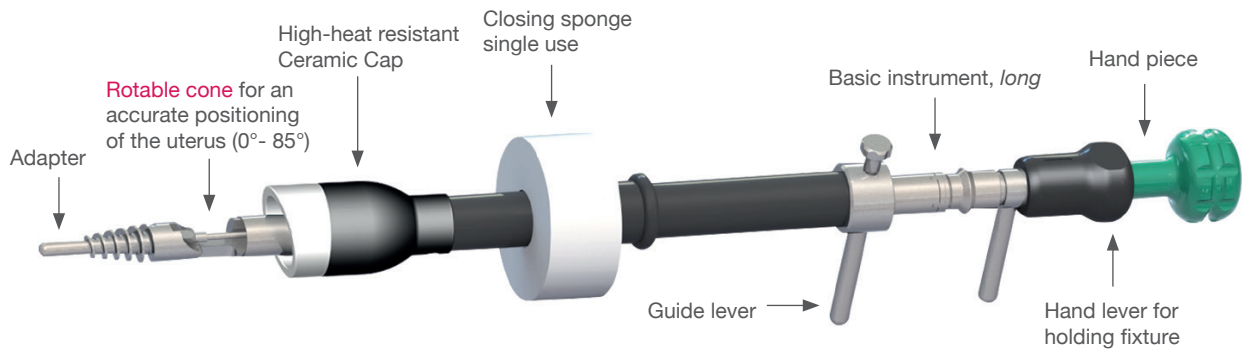
▶ FL 23.0 cm / 9.2"

| Description                              |                                                                                      | Diameter | Art. No.   |
|------------------------------------------|--------------------------------------------------------------------------------------|----------|------------|
| NOVAK ENDOMETRIUM SUCTION BIOPSY CURETTE |  | Ø 1.0 mm | 180-550-01 |
|                                          |                                                                                      | Ø 2.0 mm | 180-550-02 |
|                                          |                                                                                      | Ø 3.0 mm | 180-550-03 |
|                                          |                                                                                      | Ø 4.0 mm | 180-550-04 |



# LAPAROSCOPIC INSTRUMENTS FOR GYNECOLOGY

► **solidUterus** – rigid Uterus Manipulator



## UTERUS MANIPULATOR

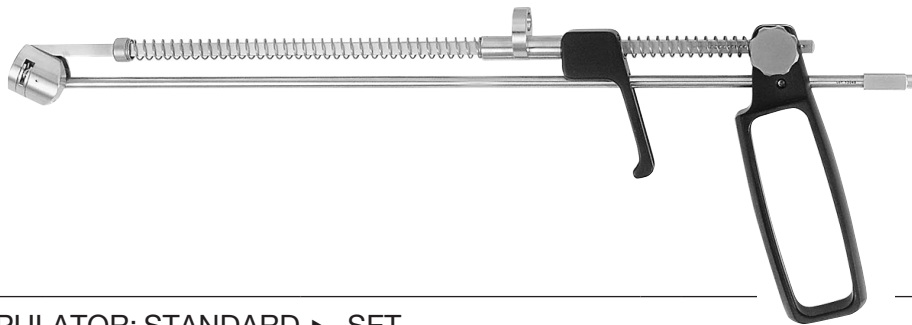
► SET

| Description                                     | Art. No     |  |
|-------------------------------------------------|-------------|--|
| UTERUS MANIPULATOR SET                          | 02-00045-1  |  |
| <b>consisting of:</b> ► 1 x basic instrument    | 02-00045-10 |  |
| ► 1 x counter hold tube                         | 02-00145-11 |  |
| ► 1 x ceramic cap; Ø 36 mm                      | 02-00045-13 |  |
| ► Adapter-Set with 11 tips; 20-120 mm           | 02-00053    |  |
| ► Closing sponge (3x1 pc.); sterile; disposable | 02-00052-2  |  |

## ACCESSORIES / SPARE PARTS

|                                                                |             |                                |             |
|----------------------------------------------------------------|-------------|--------------------------------|-------------|
|                                                                |             |                                |             |
| <b>CERAMIC CAP</b><br>(high-heat resistant; long evity); 1 pc. |             | <b>PEEK CAP</b><br>1 pc.       |             |
| Ø 32.0 mm                                                      | 02-00045-12 |                                |             |
| Ø 36.0 mm                                                      | 02-00045-13 | 25 x 50 mm                     | 02-00045-22 |
| Ø 40.0 mm                                                      | 02-00045-14 | 30 x 50 mm                     | 02-00045-23 |
|                                                                |             |                                |             |
| <b>ADAPTER SET WITH 11 TIPS</b> ► 20 - 120 mm                  |             | <b>CLOSING SPONGE</b>          |             |
| Set complete                                                   | 02-00053    | 5 pcs.; sterile;<br>disposable | 02-00052    |







LAPAROSCOPIC INSTRUMENTS FOR GYNECOLOGY



**UTERUS MANIPULATOR; STANDARD ▶ SET**

| Description                                                                          | Art. No    |
|--------------------------------------------------------------------------------------|------------|
| UTERUS MANIPULATOR SET<br>(tips can also be ordered separately; Art. No's see below) | 587-060-00 |
| <b>consisting of:</b> ▶ 1 x basic instrument<br>▶ 6 x tips                           | 587-060-01 |
|                                                                                      | 587-061-08 |
|                                                                                      | 587-061-10 |
|                                                                                      | 587-063-45 |
|                                                                                      | 587-063-55 |
|                                                                                      | 587-064-60 |
| 587-064-70                                                                           |            |
| UTERUSMANIPULATOR; without tips                                                      | 587-060-01 |

**TIPS FOR UTERUS MANIPULATOR**

| Description                                                                                                                     | Art. No.   | Description                                                                                                                      | Art. No.   |
|---------------------------------------------------------------------------------------------------------------------------------|------------|----------------------------------------------------------------------------------------------------------------------------------|------------|
| Ø 8.0 mm; 80 mm<br>                          | 587-061-08 | Ø 10.0 mm; 100 mm<br>                       | 587-061-10 |
| Ø 3.0 mm; 45 mm<br>                          | 587-063-45 | Ø 3.0 mm; 55 mm<br>                         | 587-063-55 |
| TIP SHORT; with cone;<br>Ø 3.2 mm; 60 mm<br> | 587-064-60 | TIP LONG, with cone;<br>Ø 3.2 mm; 70 mm<br> | 587-064-70 |

LAPAROSCOPIC INSTRUMENTS FOR GYNECOLOGY

► Accessories for morcellation



MYOMA DRILL ► 5.0 / 10.0 mm **FL** 330 / 420 mm

| Description     | Diameter  | FL     | Art. No.   |
|-----------------|-----------|--------|------------|
| MYOMA DRILL<br> | Ø 10.0 mm | 330 mm | 587-210-33 |
|                 |           | 420 mm | 587-210-42 |
|                 | Ø 5.0 mm  | 330 mm | 587-205-32 |
|                 |           | 420 mm | 587-205-42 |

FORCEPS ► 5.0 / 10.0 mm **FL** 420 mm ► one-piece instruments (non-detachable)





| Description           | Diameter  | FL     | Art. No.   |
|-----------------------|-----------|--------|------------|
| TENACULUM-FORCEPS<br> | Ø 5.0 mm  | 420 mm | 587-220-05 |
| CLAW FORCEPS<br>      | Ø 10.0 mm | 420 mm | 587-220-10 |
| TENACULUM-FORCEPS<br> | Ø 10.0 mm | 420 mm | 587-225-10 |

LAPAROSCOPIC INSTRUMENTS FOR GYNECOLOGY

▶ Ring Applicators



**RING APPLICATORS**

| Description                                                                                                                                                     | Art. No.   | Information                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|
| RING APPLICATOR for TUBE STERILIZATION (reversible)<br>➡ Ø 6.5 mm trocars<br> | 587-230-30 | ▶ for 2 loops per application<br><br>▶ simple click mechanism                        |
| RING APPLICATOR for OP-LAPARASCOPE<br>➡ Ø 6.0 mm laparoscopes<br>             | 587-235-30 | ▶ for 2 loops per application<br><br>▶ simple click mechanism                        |
| APPLIER                                                                                                                                                         | 587-231-65 |    |
| INSERT CONE                                                                                                                                                     | 587-232-65 |  |

To be used with an operation Laparoscope.



# HF GENERATOR & CONNECTION CABLES



# HF GENERATOR **PLASMA WAVE**

▶ PWT-400



## HF Generator for electrical surgery **PWT-400** **SMART - SAFE - POWERFUL**

Many options – one device.



### SMART

- ▶ Multi disciplinary use
- ▶ Optimized modes for various clinical applications
- ▶ 99 storage positions for application-specific programs/profiles
  - All presets can be adapted individually
  - Customizable program settings and descriptions

### SAFE

- ▶ Self-test during system start and permanent auto check during use
- ▶ Current leakage monitoring
- ▶ Neutral electrode monitoring:
  - use of small neutral electrodes for pediatrics or neonates possible
  - use of split neutral electrodes possible

### POWERFUL

- ▶ Accurate, smooth incisions and effective coagulation due to optimized presettings
- ▶ 14 monopolar and bipolar cutting modes and 10 coagulation modes; self-adjusting of output power

### HYBRID RESECTOSCOPY SYSTEMS

- ▶ **A perfect match!** The Plasma Wave HF generator and the TONTARRA bipolar resectoscopy system are perfectly synchronized to each other. Excellent resection effect due to precisely adjusted parameters.

For technical data & more details please ask for our Plasma Wave brochure.



- ▶ Suitable for monopolar and bipolar applications
- ▶ The unit features the simultaneous use of two monopolar handles
- ▶ Compatible with one or two twin foot-switches
- ▶ Intuitive menu navigation via touch display



Twin foot-switch

#### HF connection cables for PWT-400

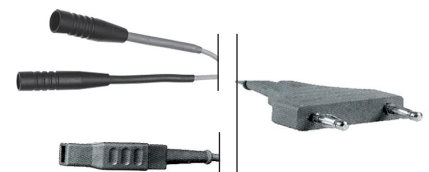
HF-connection cables **monopolar**

3 m: Art. No. 582-533-04



HF-connection cables **bipolar**, to connect:

- working element to HF generator  
3 m: Art. No. 287-215-30BR






- bipolar electrodes to HF generator  
3 m: Art. No. 287-215-30  
5 m: Art. No. 287-215-50

# HF GENERATOR & HF CONNECTION CABLES

- ▶ HF Unit Plasma Wave PWT 400



## HF UNIT PLASMA WAVE





| Description                                                                                                                                                                                                                      | Art. No.            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PWT-400 Plasma Wave; HF generator for electrical surgery<br>  | 540-280-50(PWT-400) |
| TWIN FOOT-SWITCH<br>                                                                                                                           | 540-284-50          |

## HF CONNECTION CABLES



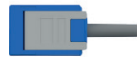

- ▶ HF connection cables; Monopolar; Neutral

### HF CONNECTION CABLES; **MONOPOLAR**

- ▶ to connect working elements to HF generator; **monopolar** mode for resectoscopy
- ▶ to connect flexible **monopolar** HF electrodes for hysteroscopy to HF generator

| Available for following units:                              | 3.0 m      | Instrument-side                                                                      | Unit-side                                                                             |
|-------------------------------------------------------------|------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Erbe/ICC/ACC/Storz; Ø 5.0 mm                                | 582-531-02 |  |  |
| Valleylab; Conmed; Bowa Ø 8.0 mm                            | 582-532-03 |                                                                                      |  |
| TONTARRA mod. PWT-400; Equipment with banana plug; Ø 4.0 mm | 582-533-04 |                                                                                      |  |

### HF CONNECTION CABLES; NEUTRAL ELECTRODES

| Description                                             | length | Art. No.   | Electrode side                                                                        | Unit-Side                                                                             |
|---------------------------------------------------------|--------|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| TONTARRA mod. PWT-400 for reusable Neutral Electrodes   | 4.5 m  | 289-215-45 |   |  |
| TONTARRA mod. PWT-400 for single-use Neutral Electrodes | 4.5 m  | 289-025-45 |  |  |



## HF CONNECTION CABLES

► Bipolar HF connection cables

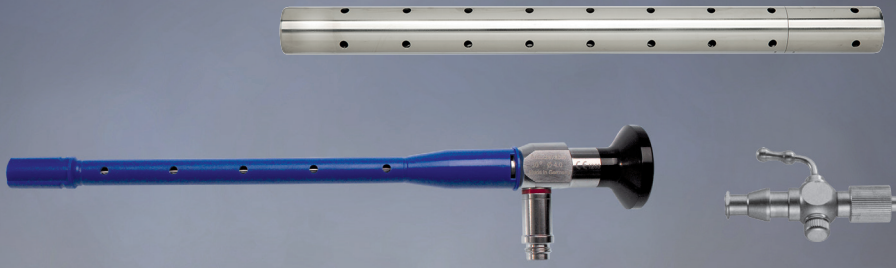
HF CONNECTION CABLES; **BIPOLAR** ► to connect working element to HF generator;  
**bipolar** mode for resectoscopy

| Description                                                                    | Length | Art. No.     | Instrument-side | Unit-side |
|--------------------------------------------------------------------------------|--------|--------------|-----------------|-----------|
| Erbe mod. ICC/ACC; Storz                                                       | 3.0 m  | 287-200-30BR |                 |           |
| Berchthold/Martin mod. Maxium                                                  | 3.0 m  | 287-205-30BR |                 |           |
| TONTARRA mod. PWT-400; International Models; 2-pins                            | 3.0 m  | 287-215-30BR |                 |           |
| Covidien mod. ForceTriad™; Valleylab™ FT10                                     | 3.0 m  | 287-240-30BR |                 |           |
| Erbe mod. VIO300D with multi-contact connector; Karl Storz mod. Autocon II 400 | 3.0 m  | 287-220-30BR |                 |           |
| Erbe mod. VIO 3 with MF-U socket                                               | 4.5 m  | 287-235-30BR |                 |           |
| Emed-HF mod. Spectrum                                                          | 4.0 m  | 287-225-30BR |                 |           |
| Bowa mod. ARC 350 & 400                                                        | 4.5 m  | 287-230-30BR |                 |           |

HF CONNECTION CABLES; **BIPOLAR** ► to connect semi-flexible **bipolar** HF electrodes for hysteroscopy to HF generator

| Available for following units:                                           | 3.0 m      | 5.0 m      | Instrument-side | Unit-side |
|--------------------------------------------------------------------------|------------|------------|-----------------|-----------|
| Erbe; Storz/unit side round plug                                         | 287-200-30 | 287-200-50 | <br>flat plug   |           |
| Berchthold/Martin/unit side round plug                                   | 287-205-30 | 287-205-50 |                 |           |
| US-Models; 2-pins/unit side banana plugs; Ø 4.0 mm                       | 287-210-30 | 287-210-50 |                 |           |
| TONTARRA mod. PWT-400; Valleylab; International Models; 2 pins; Ø 4.0 mm | 287-215-30 | 287-215-50 |                 |           |





# ACCESSORIES

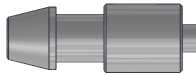




General Gynecologic Accessories  
Maintenance, Storage & Sterilization

**ACCESSORIES**



- ▶ Tubing Connectors & Sealing caps; Stopcock handle and nut



**TUBING CONNECTORS & SEALING CAPS**

| Description                                                                                 |                                                                                              | Art. No.   |
|---------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------|
| LuerLock TUBING CONNECTOR                                                                   |           | 087-940-01 |
| LuerLock TUBING CONNECTOR with STOPCOCK                                                     |           | 087-940-02 |
| SEALING CAP for instrument channel with special WATER STOP VALVE;<br><b>10 pcs. per box</b> | 3-10 Fr.  | 499-198-00 |
| SEALING CAP for instrument channel <b>10 pc. per box</b>                                    |           | 499-199-00 |
| SHAFT SEALING ADAPTER for use in female urethroscopy                                        |           | 582-090-00 |

**SPARE PART SET: STOPCOCK HANDLE AND NUT**

| Description                                                                   |                                                                                       | Art. No.   |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|
| SPARE PART SET <b>MIDDLE</b> :<br>stopcock handle and nut for stopcock handle |  | 087-940-03 |
| SPARE PART SET <b>BIG</b> :<br>stopcock handle and nut for stopcock handle    |  | 087-940-04 |



## ACCESSORIES

- ▶ Maintenance; storage & sterilization

### MAINTENANCE; STORAGE & STERILIZATION

| Description                                                                                                                                                                           | Art. No.        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| <p>TAP &amp; STOPCOCK LUBRICANT</p> <ul style="list-style-type: none"> <li>▶ special grease for surgical instruments (especially for stopcocks)</li> <li>▶ 5 gram per tube</li> </ul> | 582-095-00      |
| <p>INSTRUMENT OIL</p> <ul style="list-style-type: none"> <li>▶ 500 ml</li> </ul>                                                                                                      | DRSO/00-108-005 |
| <p>POLISHING PASTE FOR ENDOSCOPES</p> <ul style="list-style-type: none"> <li>▶ 5 pcs.</li> </ul>                                                                                      | 601-900-20      |

### PROTECTION

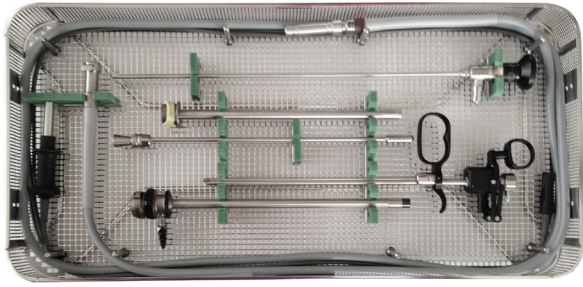
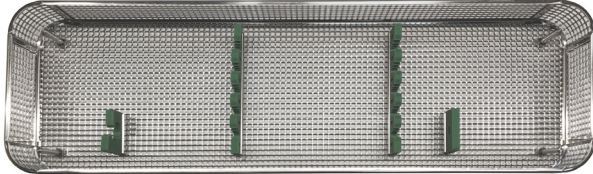
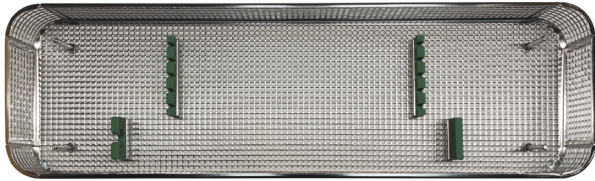
| Description                                                                                                                                                                            | Art. No.                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| <p>PROTECTING SLEEVE FOR ALL TELESCOPES</p> <ul style="list-style-type: none"> <li>▶ easy handling;</li> <li>▶ up to Ø 5.5 mm</li> <li>▶ reusable</li> <li>▶ Plastic sleeve</li> </ul> | 590-000-01<br>(10 pcs./box) |
| <p>PROTECTING SLEEVE for ELECTRODES</p> <p>for storage and sterilization</p> <p>for up to 8 electrodes, reusable</p>                                                                   | 590-000-03                  |



## ACCESSORIES

- ▶ Maintenance; storage & sterilization

### WIRE BASKETS

| Description                                                                                                                                                | Art. No.            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <p>WIRE BASKET WITH LID FOR RESECTOSCOPY SETS<br/>▶ 480x240x50 mm</p>    | <p>CBMO/74TRP</p>   |
| <p>WIRE BASKET WITH LID FOR SCOPE AND SHEATHS<br/>▶ 480x150x50 mm</p>  | <p>CBMO/66/1RES</p> |
| <p>WIRE BASKET WITH LID FOR SCOPE AND SHEATHS<br/>▶ 480x150x50 mm</p>  | <p>CBMO/66/1K</p>   |





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