



MICRO-TECH

**HIGH-QUALITY PRODUCTS FOR YOUR ENDOSCOPY
IN MIDDLE EAST & AFRICA**

GASTROENTEROLOGY

<u>INDEX</u>	3
<u>BILIARY - LONGWIRE</u>	4
<u>BILIARY - SHORTWIRE</u>	37
<u>BIOPSY</u>	48
<u>DILATION</u>	57
<u>EUS</u>	64
<u>HEMOSTASIS</u>	71
<u>NITINOL STENTS (GEN-I)</u>	78
<u>RESECTION</u>	113
<u>RETRIEVAL DEVICES</u>	122
<u>ENDOSCOPY ACCESSORIES</u>	127



Product category

BILIARY - LONGWIRE

DSP	Papillotome, 3-lumen
MTN	Eco guide wire
SRB	Stone extraction balloons
BPDS	Plastic bile duct stents without stent/pre-loaded
BPDI	Plastic bile duct stents introducer-systems
ST03	Biliary duct stents
NST03	Biliary duct stents (GEN-II)
BID	Single-use inflation-instrument
MBD	Multi-stage dilation balloons
BDC	Dilation balloons TTS / Achalasia
FWB	Fixed wire balloons
CYB	Single-use cytology brushes
NT	Retrieval net
NGF	Disposable foreign body forceps
NBF	Macro forceps
EBF	TRUBITE

BILIARY - SHORTWIRE

MT-RGL	LOCKING DEVICE guide wire
RDSP	Sphinx Papillotome, 3-lumen
MTN	Guide wire
RSRB	Sweeper stone extraction balloons
RST	SHOW -Metal-Stent

BIOPSY

NBF	Macro forceps
EBF	TRUBITE
CYB	Single-use cytology brushes
HBFO5	Hot biopsy forceps

DILATION

MBD	Multi-stage dilation balloons
BID	Single-use inflation-instrument
BDC	Dilation balloons TTS / Achalasia
FWB	Fixed wire balloons
MTN	Guide wire

EUS

EUS...	FNB- and FNA needles
MTN	Eco guide wire
NST	Pseudocyst stent (GEN-II)
DSP	Needle knife

Product category

HEMOSTASIS

LOCK	LOCKADO™
IN12	Injection needle IN
MBLS	Multiband ligation system

NITINOL STENTS

ST01-10...	Oesophagus stents (GEN-I)
ST11...	AccuraSIS®
ST01-156...	Softcup oesophagus stents
ST71...	Segmented stent
ST01-10...	Cardia-Umbrella-Stent
ST01-11...	Cardia-Valve-Stent
ST01-115...	Umbrella-Valve-Stent
ST02...	Duodenum stents
ST03	Biliary duct stents
NST03	Biliary duct stents (GEN-II)
RST	SHOW -Metal-Stent
NST	Pseudocyst stent
DSP	Needle Knife
ST04...	Colon stents TTS Colon and rectum stents OTW

RESECTION

PFS01...	Dailysnare
CS3...	Coldsnares
IN12	Injection needle IN
BBP	Poly trap
NT	Retrieval net

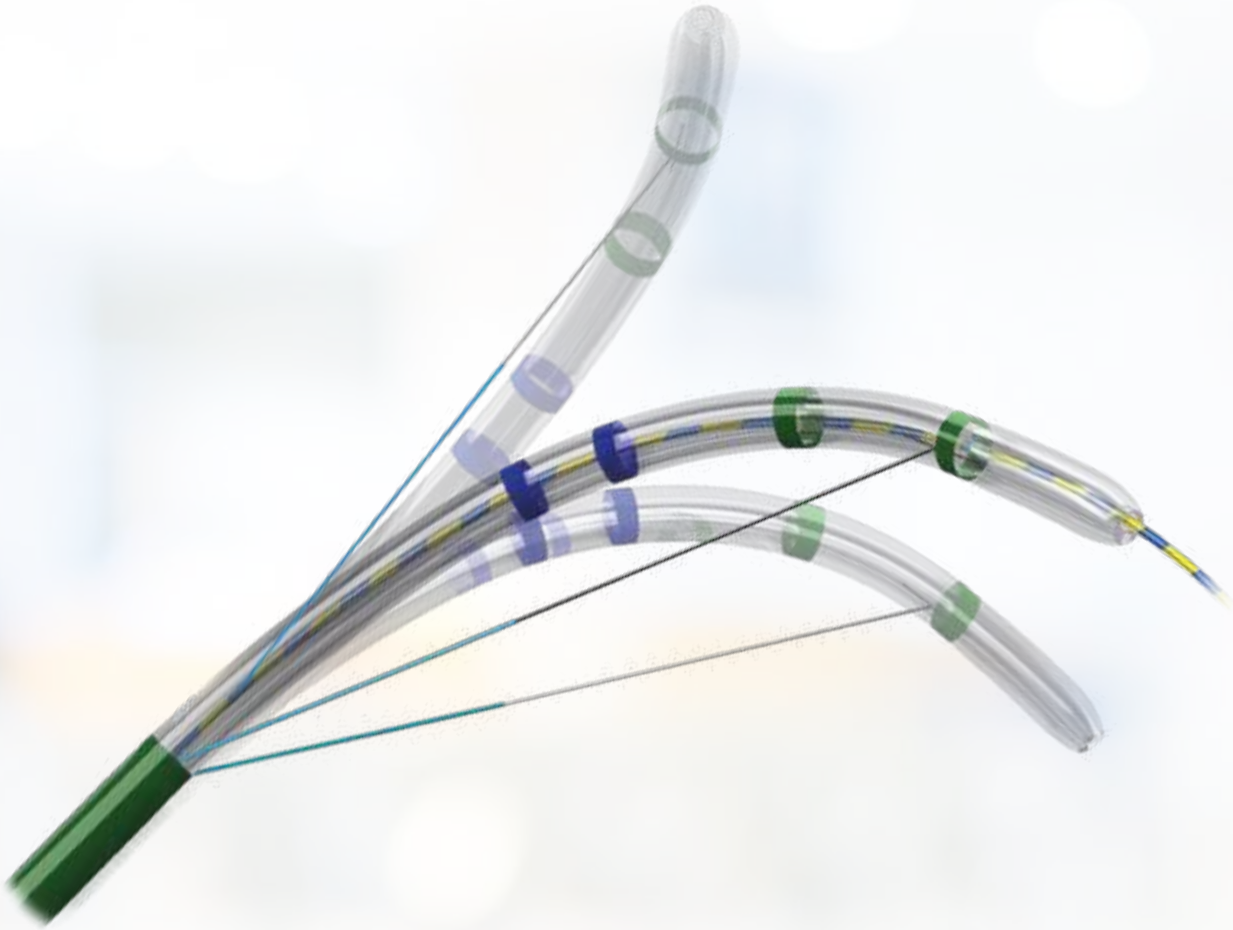
RETRIEVAL DEVICES

NGF	Disposable foreign body forceps
NT	Retrieval net

ENDOSCOPY ACCESSORIES

AC01	Mouthguard
TX03	Instrument cloth
AC03-10...	Biopsy valves
BBP	Polyp trap
AC03-221	Working channel adapter
AC03-21...	Endoscope valve set
AC03-220	Cleaning valve
AC06	Protective cap distal tip
CB	Cleaning brushes





BILIARY
LONGWIRE

YOUR TRUSTED PARTNER IN ENDOSCOPY





3-LUMEN PAPILOTOME

FOR PRECISE WIRE GUIDANCE AND CANNULATION

Positioning, cannulation and resection are the decisive features of a safe and successful papillotomy. The 3-lumen papillotome from MICRO-TECH meets these requirements in every way: Emerging from the working channel in the correct position, the atraumatic tip, tapered to 5 Fr, supports cannulation and the resection is done reliably at the "11 o'clock" marker. Maximum safety during resection

is also provided by optional proximal insulation of the cutting wire. The three lumens for cutting wire, guide wire and contrast media provide for a high level of safety and efficient contrast injection. Thanks to the ergonomic 3-ring grip handle, this papillotome is highly user-friendly and easy to control.

SPECIFIC CHARACTERISTICS

- 3 lumen for guide wire, cutting wire and contrast injection
- Optional insulation of proximal cutting wire
- Cutting direction at 11 o'clock
- Filiform tip, tapered to 5 Fr
- Working length: 2.000 mm
- Outer diameter: 2.5 mm
- Guide wire compatible fully mobile up to 0.035 inch



Precise adjustment function



Tip: Precut



Tip: Needle knife





SPECIFICATIONS

REF	Tip length mm	Cutting wire length mm	Partly insulated cutting wire	Preloaded guide wire	Ø working channel mm
PAPILLOTOME, 3-LUMEN, CONE-TIP					
DSP-30020-111111	0	20	No	No	2.8
DSP-30020-111211	0	20	Yes	No	2.8
DSP-30025-111111	0	25	No	No	2.8
DSP-30025-111211	0	25	Yes	No	2.8
DSP-30030-111111	0	30	No	No	2.8
DSP-30030-111211	0	30	Yes	No	2.8
DSP-30220-111111	2	20	No	No	2.8
DSP-30220-111211	2	20	Yes	No	2.8
DSP-30225-111111	2	25	No	No	2.8
DSP-30225-111211	2	25	Yes	No	2.8
DSP-30230-111111	2	30	No	No	2.8
DSP-30230-111211	2	30	Yes	No	2.8
DSP-30520-111111	5	20	No	No	2.8
DSP-30520-111211	5	20	Yes	No	2.8
DSP-30525-111111	5	25	No	No	2.8
DSP-30525-111211	5	25	Yes	No	2.8
DSP-30530-111111	5	30	No	No	2.8
DSP-30530-111211	5	30	Yes	No	2.8
DSP-30020-111121	0	20	No	Yes	2.8
DSP-30020-111221	0	20	Yes	Yes	2.8
DSP-30025-111121	0	25	No	Yes	2.8
DSP-30025-111221	0	25	Yes	Yes	2.8
DSP-30030-111121	0	30	No	Yes	2.8
DSP-30030-111221	0	30	Yes	Yes	2.8
DSP-30220-111121	2	20	No	Yes	2.8
DSP-30220-111221	2	20	Yes	Yes	2.8
DSP-30225-111121	2	25	No	Yes	2.8
DSP-30225-111221	2	25	Yes	Yes	2.8
DSP-30230-111121	2	30	No	Yes	2.8
DSP-30230-111221	2	30	Yes	Yes	2.8
DSP-30520-111121	5	20	No	Yes	2.8
DSP-30520-111221	5	20	Yes	Yes	2.8
DSP-30525-111121	5	25	No	Yes	2.8
DSP-30525-111221	5	25	Yes	Yes	2.8
DSP-30530-111121	5	30	No	Yes	2.8
DSP-30530-111221	5	30	Yes	Yes	2.8
PAPILLOTOME, 3-LUMEN, NEEDLE KNIFE					
DSP-30505-121111	0	5	No	No	2.8
DSP-30505-121211	0	5	Yes	No	2.8
DSP-30507-121111	0	7	No	No	2.8
DSP-30507-121211	0	7	Yes	No	2.8

Recommended guide wires 0.035": MTN-BM 89/45-A (straight), 600358-5 (straight), 600359-5 (J-Tip)

Recommended guide wires 0.025": MTN-BM 63/26-A (straight) and 600384-5 (straight)

Packaging unit: 2 pieces





GUIDE WIRES

THE RELIABLE CHOICE FOR ERCP

All guide wires are manufactured out of bending-resistant and torsion-proof Nitinol. Their hydrophilic coated tips, allow the wires to safely find their way even into areas and stenoses which are hard to reach. This is supported by the wire's high rigidity and controllability. Hence the guide wires are not only meant for sophisticated stent place-

ments, but are also perfectly suited for ERCP. The high radiopacity of the flexible hydrophilic tip facilitates exact stent placement under visual radiological control. The Eco-series from MICRO-TECH is characterized by a very good price-performance ratio.

SPECIFIC CHARACTERISTICS

- Non-kinking nitinol wire
- High level of rigidity and guidability
- Hydrophilic, atraumatic tip
- Working length: 4500 mm
- High level of radiopacity



SUCCESSFUL IN PRACTICAL ROUTINE WORK

Bending resistance and rigidity account for the very good feeding properties of guide wires. In daily applications they convince by their precision, which is primarily guaranteed by the efficient transmission of the rotatory and translatory motion all the way to the tip of the wire, as applied by the surgical assistant. This makes it possible to reach into even anatomically difficult passages with ease. In addition, the tip of each wire can be perfectly seen in the X-ray control image, allowing for optimal stent positioning.



Endoscopic view



X-ray

DISPENSER FOR EASY OPERATION

The wire can be easily ejected and retracted by means of this innovative dispenser. Owing to its compact design, the dispenser is handy and easy to operate. Rinsing the wire is also easy and fast when using the dispenser.



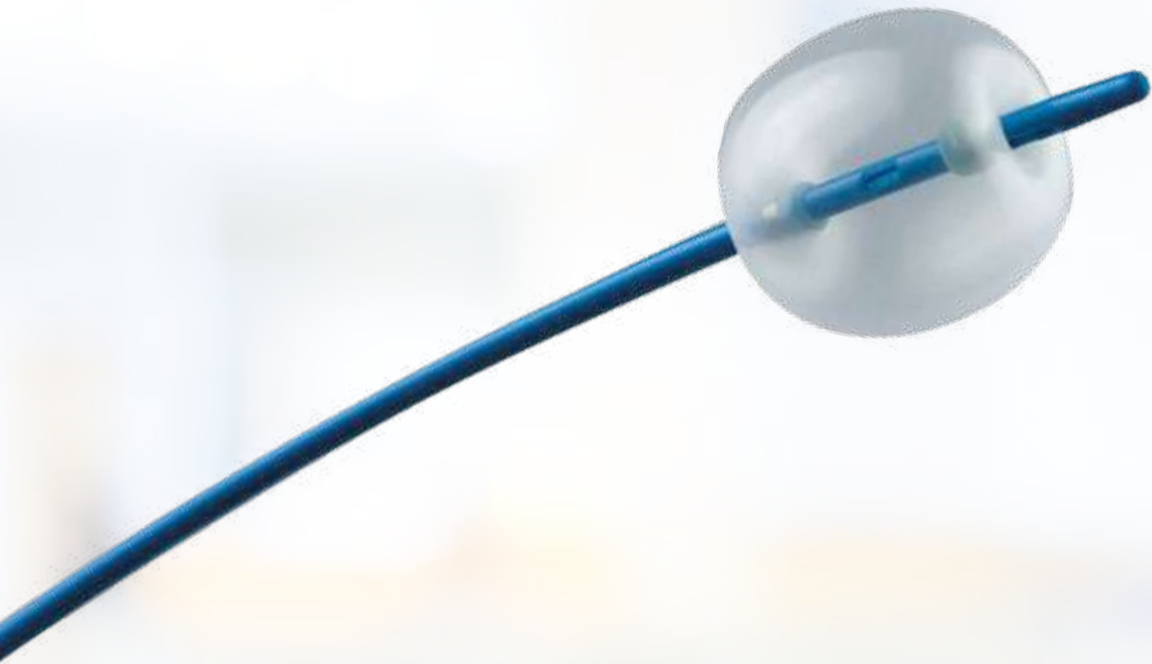
Dispenser guide wires

SPECIFICATIONS

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
ECO GUIDE WIRE						
MTN-BM-89/45-A	0.035"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/45-A-J	0.035"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A	0.025"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A-J	0.025"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-53/45-A	0.021"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-45/45-A	0.018"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering

Packaging unit: 2 pieces





STONE EXTRACTION BALLOONS

ONE BALLOON, THREE DIAMETERS

MICRO-TECH's vast product range includes high-quality 3-lumen extraction balloons for reliable removal of small stones and sludge from the bile duct. The conical, atraumatic tip of the catheter makes for easy, precise positioning using the two x-ray markers. The cylindrical balloon itself is made of high-quality latex and can be expanded to three different diameters. A specially calibrated single-use

syringe is supplied for each balloon diameter. Following insufflation, the balloon surface lies flat against the bile duct wall, enabling efficient and complete cleaning of the bile duct. A separate lumen for a 0.035 inch guidewire and one for contrast media, provide for ease of handling and contrast injection.

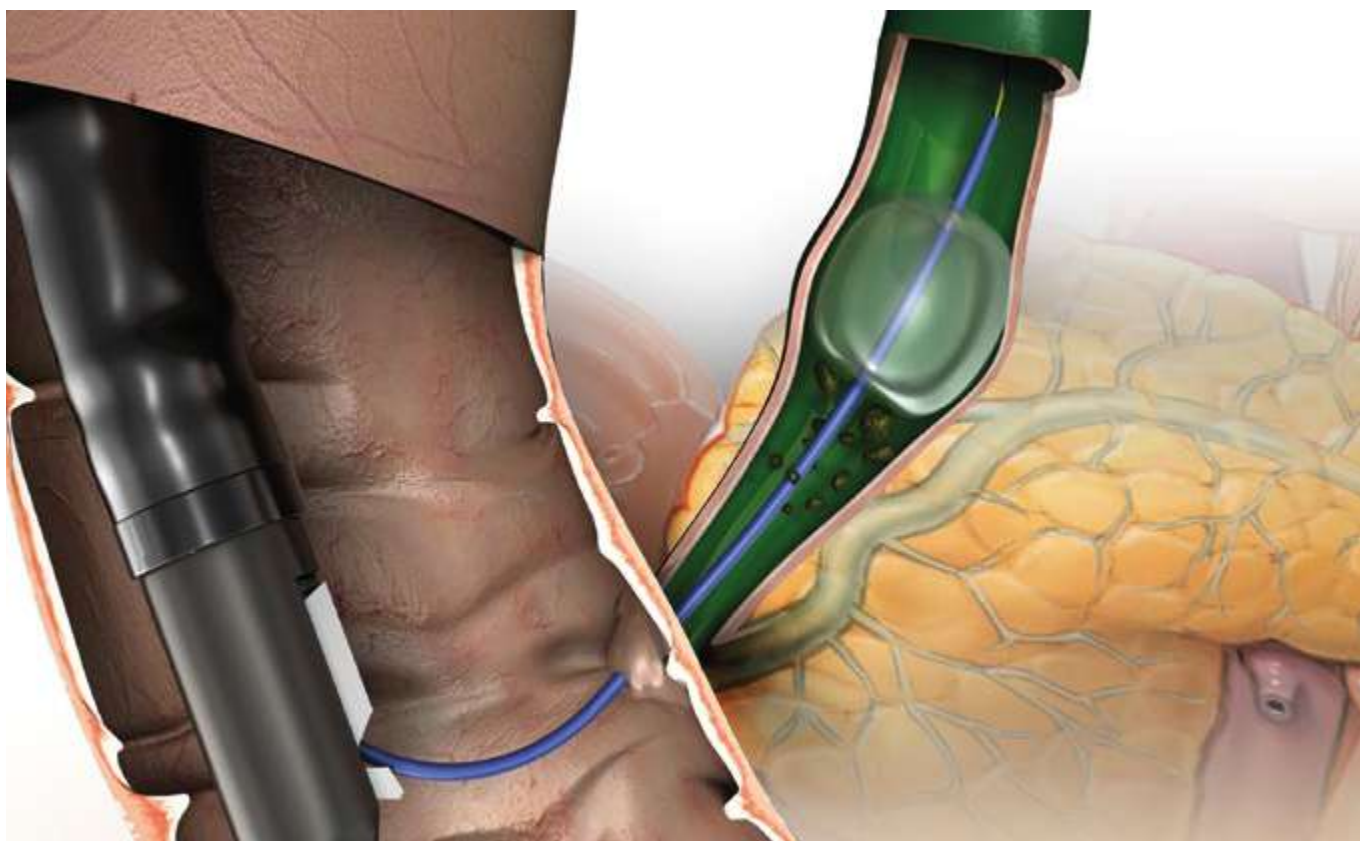
SPECIFIC CHARACTERISTICS

- 3-stage balloons
- One calibrated tip per diameter
- 3 lumens for insufflation, guidewire and contrast agent
- High X-ray visibility (radiopacity)



3-lumen stone extraction balloon from MICRO-TECH





SPECIFICATIONS

REF	Injection	Lumen	Catheter Ø Fr.	Balloon Ø mm	Working length mm
STONE EXTRACTION BALLOONS					
SRB-T-9/12/15-20	Above (distal to the balloon)	3	7	9 / 12 / 15	2000
SRB-T-12/15/18-20	Above (distal to the balloon)	3	7	12 / 15 / 18	2000
SRB-T-15/18/21-20	Above (distal to the balloon)	3	7	15 / 18 / 21	2000
SRB-T-9/12/15-20-B	Below (proximal to the balloon)	3	7	9 / 12 / 15	2000
SRB-T-12/15/18-20-B	Below (proximal to the balloon)	3	7	12 / 15 / 18	2000
SRB-T-15/18/21-20-B	Below (proximal to the balloon)	3	7	15 / 18 / 21	2000

Packaging unit: 1 piece





PLASTIC BILE DUCT STENTS

MAXIMUM DRAINAGE, MAXIMUM HOLD

MICRO-TECH offers a comprehensive range of plastic stents for short and medium-term drainage in the bile duct. The stents are available in different shapes, lengths and diameters. Thus, the ideal stent is available for each indication. The high-quality PE-/PTFE-material of the stents ensures reliable drainage and adapts optimally

to the anatomy of the patient. Flaps at the ends of the stents also ensure a secure hold with minimal migration. For rapid and safe implantation, the stents are available both individually and on pre-loaded systems. In addition, MICRO-TECH also offers introduction-systems in all relevant sizes.

SPECIFIC CHARACTERISTICS

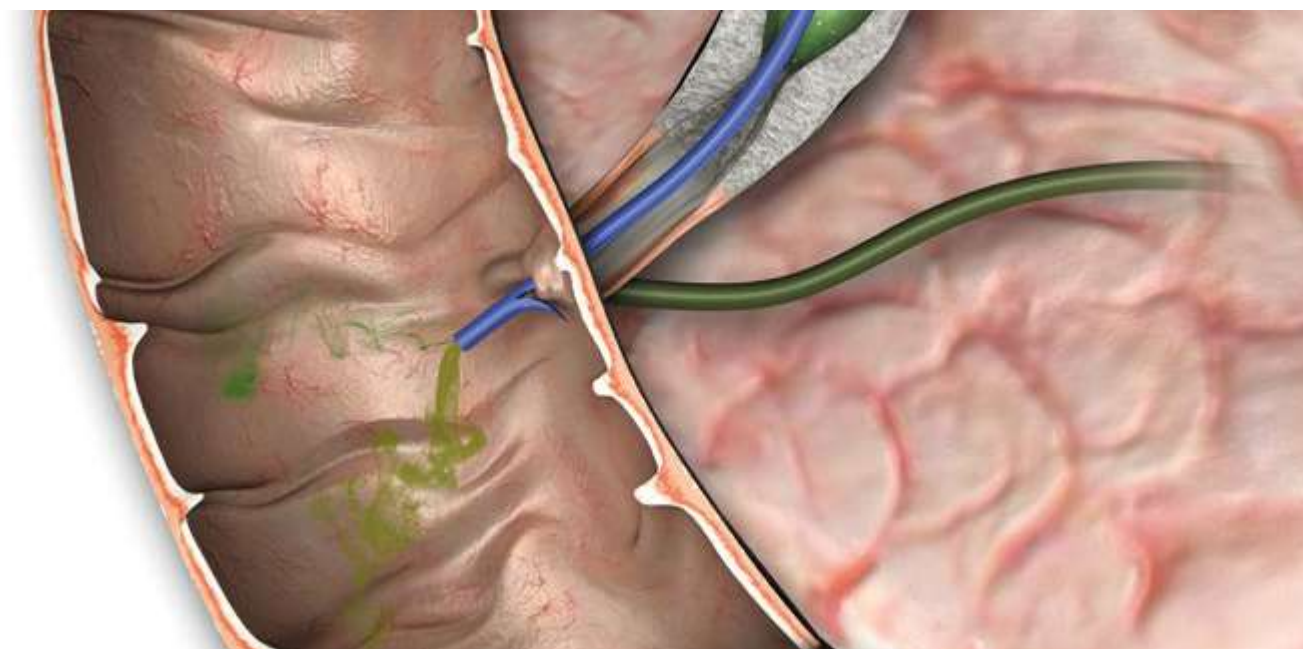
- Different shapes: straight, curved, angled, pigtail, double-pigtail and christmas tree
- Optimum flow rate
- Ideal adaptation to anatomy
- Safe hold, minimal migration
- Available single-packed or pre-loaded on introduction-system
- High x-ray visibility



Pre-loaded stent

System handle





SPECIFICATIONS

STENT STRAIGHT



- Shape: straight
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis			
	7FR	8.5FR	10FR	11.5FR
5 cm	BPDS-31114-0705	BPDS-31114-0805	BPDS-31114-1005	BPDS-31114-1105
6 cm	BPDS-31114-0706	BPDS-31114-0806	BPDS-31114-1006	BPDS-31114-1106
7 cm	BPDS-31114-0707	BPDS-31114-0807	BPDS-31114-1007	BPDS-31114-1107
8 cm	BPDS-31114-0708	BPDS-31114-0808	BPDS-31114-1008	BPDS-31114-1108
9 cm	BPDS-31114-0709	BPDS-31114-0809	BPDS-31114-1009	BPDS-31114-1109
10 cm	BPDS-31114-0710	BPDS-31114-0810	BPDS-31114-1010	BPDS-31114-1110
11 cm	BPDS-31114-0711	BPDS-31114-0811	BPDS-31114-1011	BPDS-31114-1111
12 cm	BPDS-31114-0712	BPDS-31114-0812	BPDS-31114-1012	BPDS-31114-1112
13 cm	BPDS-31114-0713	BPDS-31114-0813	BPDS-31114-1013	BPDS-31114-1113
14 cm	BPDS-31114-0714	BPDS-31114-0814	BPDS-31114-1014	BPDS-31114-1114
15 cm	BPDS-31114-0715	BPDS-31114-0815	BPDS-31114-1015	BPDS-31114-1115



SPECIFICATIONS

STENT CURVED



- Shape: 15° curved
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis			
	7FR	8.5FR	10FR	11.5FR
5 cm	BPDS-32114-0705	BPDS-32114-0805	BPDS-32114-1005	BPDS-32114-1105
6 cm	BPDS-32114-0706	BPDS-32114-0806	BPDS-32114-1006	BPDS-32114-1106
7 cm	BPDS-32114-0707	BPDS-32114-0807	BPDS-32114-1007	BPDS-32114-1107
8 cm	BPDS-32114-0708	BPDS-32114-0808	BPDS-32114-1008	BPDS-32114-1108
9 cm	BPDS-32114-0709	BPDS-32114-0809	BPDS-32114-1009	BPDS-32114-1109
10 cm	BPDS-32114-0710	BPDS-32114-0810	BPDS-32114-1010	BPDS-32114-1110
11 cm	BPDS-32114-0711	BPDS-32114-0811	BPDS-32114-1011	BPDS-32114-1111
12 cm	BPDS-32114-0712	BPDS-32114-0812	BPDS-32114-1012	BPDS-32114-1112
13 cm	BPDS-32114-0713	BPDS-32114-0813	BPDS-32114-1013	BPDS-32114-1113
14 cm	BPDS-32114-0714	BPDS-32114-0814	BPDS-32114-1014	BPDS-32114-1114
15 cm	BPDS-32114-0715	BPDS-32114-0815	BPDS-32114-1015	BPDS-32114-1115

SPECIFICATIONS

STENT LATERAL ANGLED



- Form: 45° lateral angled
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis			
	7FR	8.5FR	10FR	11.5FR
5 cm	BPDS-33114-0705	BPDS-33114-0805	BPDS-33114-1005	BPDS-33114-1105
6 cm	BPDS-33114-0706	BPDS-33114-0806	BPDS-33114-1006	BPDS-33114-1106
7 cm	BPDS-33114-0707	BPDS-33114-0807	BPDS-33114-1007	BPDS-33114-1107
8 cm	BPDS-33114-0708	BPDS-33114-0808	BPDS-33114-1008	BPDS-33114-1108
9 cm	BPDS-33114-0709	BPDS-33114-0809	BPDS-33114-1009	BPDS-33114-1109
10 cm	BPDS-33114-0710	BPDS-33114-0810	BPDS-33114-1010	BPDS-33114-1110
11 cm	BPDS-33114-0711	BPDS-33114-0811	BPDS-33114-1011	BPDS-33114-1111
12 cm	BPDS-33114-0712	BPDS-33114-0812	BPDS-33114-1012	BPDS-33114-1112
13 cm	BPDS-33114-0713	BPDS-33114-0813	BPDS-33114-1013	BPDS-33114-1113
14 cm	BPDS-33114-0714	BPDS-33114-0814	BPDS-33114-1014	BPDS-33114-1114
15 cm	BPDS-33114-0715	BPDS-33114-0815	BPDS-33114-1015	BPDS-33114-1115



SPECIFICATIONS

STENT CENTRAL ANGLED



- Shape: 90° central angled
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis			
	7FR	8.5FR	10FR	11.5FR
5 cm	BPDS-34114-0705	BPDS-34114-0805	BPDS-34114-1005	BPDS-34114-1105
6 cm	BPDS-34114-0706	BPDS-34114-0806	BPDS-34114-1006	BPDS-34114-1106
7 cm	BPDS-34114-0707	BPDS-34114-0807	BPDS-34114-1007	BPDS-34114-1107
8 cm	BPDS-34114-0708	BPDS-34114-0808	BPDS-34114-1008	BPDS-34114-1108
9 cm	BPDS-34114-0709	BPDS-34114-0809	BPDS-34114-1009	BPDS-34114-1109
10 cm	BPDS-34114-0710	BPDS-34114-0810	BPDS-34114-1010	BPDS-34114-1110
11 cm	BPDS-34114-0711	BPDS-34114-0811	BPDS-34114-1011	BPDS-34114-1111
12 cm	BPDS-34114-0712	BPDS-34114-0812	BPDS-34114-1012	BPDS-34114-1112
13 cm	BPDS-34114-0713	BPDS-34114-0813	BPDS-34114-1013	BPDS-34114-1113
14 cm	BPDS-34114-0714	BPDS-34114-0814	BPDS-34114-1014	BPDS-34114-1114
15 cm	BPDS-34114-0715	BPDS-34114-0815	BPDS-34114-1015	BPDS-34114-1115

SPECIFICATIONS

PIGTAIL DOUBLE



- Shape: Pigtail
- Double
- 4 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis			
	7FR	8.5FR	10FR	11.5FR
5 cm	BPDS-31993-0705	BPDS-31993-0805	BPDS-31993-1005	BPDS-31993-1105
6 cm	BPDS-31993-0706	BPDS-31993-0806	BPDS-31993-1006	BPDS-31993-1106
7 cm	BPDS-31993-0707	BPDS-31993-0807	BPDS-31993-1007	BPDS-31993-1107
8 cm	BPDS-31993-0708	BPDS-31993-0808	BPDS-31993-1008	BPDS-31993-1108
9 cm	BPDS-31993-0709	BPDS-31993-0809	BPDS-31993-1009	BPDS-31993-1109
10 cm	BPDS-31993-0710	BPDS-31993-0810	BPDS-31993-1010	BPDS-31993-1110
11 cm	BPDS-31993-0711	BPDS-31993-0811	BPDS-31993-1011	BPDS-31993-1111
12 cm	BPDS-31993-0712	BPDS-31993-0812	BPDS-31993-1012	BPDS-31993-1112
13 cm	BPDS-31993-0713	BPDS-31993-0813	BPDS-31993-1013	BPDS-31993-1113
14 cm	BPDS-31993-0714	BPDS-31993-0814	BPDS-31993-1014	BPDS-31993-1114
15 cm	BPDS-31993-0715	BPDS-31993-0815	BPDS-31993-1015	BPDS-31993-1115



SPECIFICATIONS

PIGTAIL DISTAL



- Shape: Pigtail
- Distal
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis	
	8.5FR	10FR
5 cm	BPDS-31196-0805	BPDS-31196-1005
6 cm	BPDS-31196-0806	BPDS-31196-1006
7 cm	BPDS-31196-0807	BPDS-31196-1007
8 cm	BPDS-31196-0808	BPDS-31196-1008
9 cm	BPDS-31196-0809	BPDS-31196-1009
10 cm	BPDS-31196-0810	BPDS-31196-1010
11 cm	BPDS-31196-0811	BPDS-31196-1011
12 cm	BPDS-31196-0812	BPDS-31196-1012
13 cm	BPDS-31196-0813	BPDS-31196-1013
14 cm	BPDS-31196-0814	BPDS-31196-1014
15 cm	BPDS-31196-0815	BPDS-31196-1015

SPECIFICATIONS

PIGTAIL PROXIMAL



- Shape: Pigtail
- Proximal
- 2 side-holes
- X-ray visible
- Material: PE

Working length	Diameter bile duct prosthesis	
	8.5FR	10FR
5 cm	BPDS-31916-0805	BPDS-31916-1005
6 cm	BPDS-31916-0806	BPDS-31916-1006
7 cm	BPDS-31916-0807	BPDS-31916-1007
8 cm	BPDS-31916-0808	BPDS-31916-1008
9 cm	BPDS-31916-0809	BPDS-31916-1009
10 cm	BPDS-31916-0810	BPDS-31916-1010
11 cm	BPDS-31916-0811	BPDS-31916-1011
12 cm	BPDS-31916-0812	BPDS-31916-1012
13 cm	BPDS-31916-0813	BPDS-31916-1013
14 cm	BPDS-31916-0814	BPDS-31916-1014
15 cm	BPDS-31916-0815	BPDS-31916-1015

SPECIFICATIONS

CHRISTMAS TREE



- Shape: Christmas Tree
- 4 flaps per end
- 2 side-holes
- X-ray visible
- Material: PTFE

Working length	Diameter bile duct prosthesis	
	8.5FR	10FR
5 cm	BPDS-13442-0805	BPDS-13442-1005
6 cm	BPDS-13442-0806	BPDS-13442-1006
7 cm	BPDS-13442-0807	BPDS-13442-1007
8 cm	BPDS-13442-0808	BPDS-13442-1008
9 cm	BPDS-13442-0809	BPDS-13442-1009
10 cm	BPDS-13442-0810	BPDS-13442-1010
11 cm	BPDS-13442-0811	BPDS-13442-1011
12 cm	BPDS-13442-0812	BPDS-13442-1012
13 cm	BPDS-13442-0813	BPDS-13442-1013
14 cm	BPDS-13442-0814	BPDS-13442-1014
15 cm	BPDS-13442-0815	BPDS-13442-1015



INTRODUCER-SYSTEMS WITHOUT STENT

SPECIFICATIONS



- One step introducer-system
- X-ray visible

New: Extended guide catheter

REF	Ø catheter	Guide catheter	Introducer length
BPDI-0740/22	7 FR	40 cm	220 cm
BPDI-0840/22	8.5 FR	40 cm	220 cm
BPDI-1040/22	10 FR	40 cm	220 cm
BPDI-1140/22	11.5 FR	40 cm	220 cm

INTRODUCER-SYSTEMS WITH PRE-LOADED STENT



- One step introducer-system
- X-ray visible

SPECIFICATIONS

STENT STRAIGHT



- Shape: straight
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

REF	Ø catheter	Stent working/ total length	Introducer length
BPDS-31114-0805/22	8.5 FR	5 / 7 cm	220 cm
BPDS-31114-0807/22	8.5 FR	7 / 9 cm	220 cm
BPDS-31114-0809/22	8.5 FR	9 / 11 cm	220 cm
BPDS-31114-0811/22	8.5 FR	11 / 13 cm	220 cm
BPDS-31114-1005/22	10 FR	5 / 7 cm	220 cm
BPDS-31114-1007/22	10 FR	7 / 9 cm	220 cm
BPDS-31114-1009/22	10 FR	9 / 11 cm	220 cm
BPDS-31114-1011/22	10 FR	11 / 13 cm	220 cm

SPECIFICATIONS

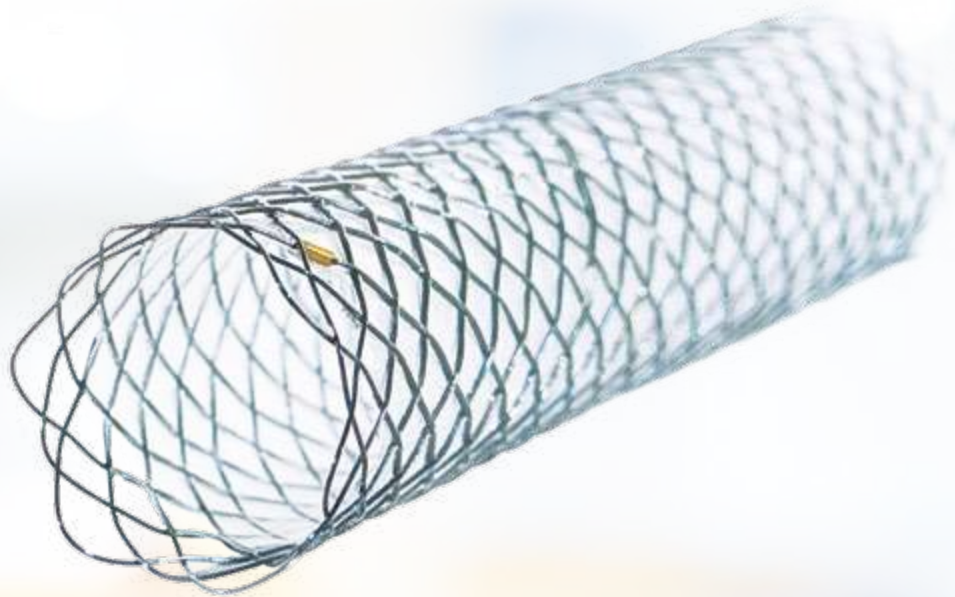
STENT CURVED



- Shape: 15° curved
- 2 flaps
- 2 side-holes
- X-ray visible
- Material: PE

REF	Ø catheter	Stent working/ total length	Introducer length
BPDS-32114-0805/22	8.5 FR	5 / 7 cm	220 cm
BPDS-32114-0807/22	8.5 FR	7 / 9 cm	220 cm
BPDS-32114-0809/22	8.5 FR	9 / 11 cm	220 cm
BPDS-32114-0811/22	8.5 FR	11 / 13 cm	220 cm
BPDS-32114-1005/22	10 FR	5 / 7 cm	220 cm
BPDS-32114-1007/22	10 FR	7 / 9 cm	220 cm
BPDS-32114-1009/22	10 FR	9 / 11 cm	220 cm
BPDS-32114-1011/22	10 FR	11 / 13 cm	220 cm





BILIARY DUCT STENTS

ALWAYS THE IDEAL SOLUTION

With the biliary stents manufactured by MICRO-TECH you will always make the ideal choice to bridge-graft biliary duct stenoses. The high expansion force of the Nitinol wire mesh accounts for an excellent positional stability. The resistant cover prevents the stent from growing into

the tissue. The product range comprises two stent lines and offers a first-class solution that suits all requirements: the classic line and the platinum line. The comprehensive platinum line is especially distinguished by its extraordinary high radiopacity.

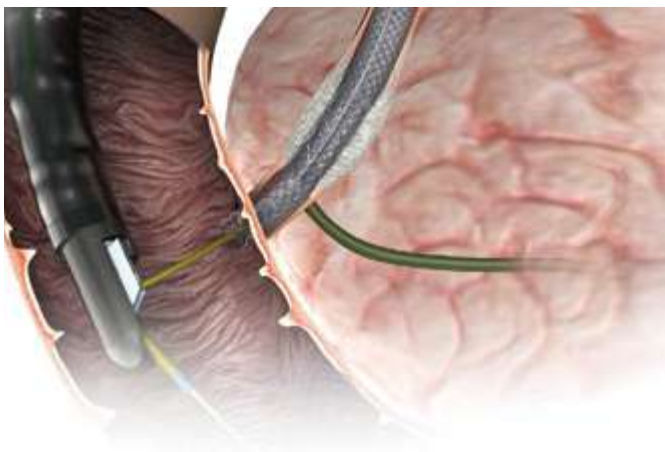
SPECIFIC CHARACTERISTICS

- Self-expanding
- Available for TTS and PTCD
- Classic- and Platinum-Line
- Nitinol wire mesh with atraumatic ends
- Release under visual endoscopic control
- Enormous position stability
- Resistant and elastic cover
- High radiopacity
- Guiding wire passable to a maximum of 0.035 inches



X-ray marking





Removal of the introducer



Endoscopic positional control



Released stent

CLASSIC-LINE. FIRST-CHOICE FOR ALL APPLICATIONS

The Classic-Line is perfectly suited for all standard interventions. With two different approaches consisting of TTS and PTCD, it perfectly meets every requirement. These stents are made of highly flexible Nitinol wire mesh. Ten additional radiopaque markers account for the good visibility of our Classic-Line stents under fluoroscopy. Our product range comprises uncovered and partially covered stents.

PTCD FOR PERCUTANEOUS ACCESS

In case of therapeutic interventions into the biliary duct, it sometimes occurs that a transpapillary access cannot be accomplished. In such cases MICRO-TECH offers PTCD systems (percutaneous transhepatic cholangio drainage) as the ideal solution.

INTRODUCER SYSTEM FOR AN EXACT RELEASE

Additional radiopaque markers on the distal end of the introducer system and on the tip of the pusher catheter provide for additional orientation. In the endoscopic image, the tip of the pusher catheter can be unambiguously and easily distinguished from the proximal end of the stent. The permanent visual endoscopic control of the stent's proximal end considerably facilitates the exact release of the stent.

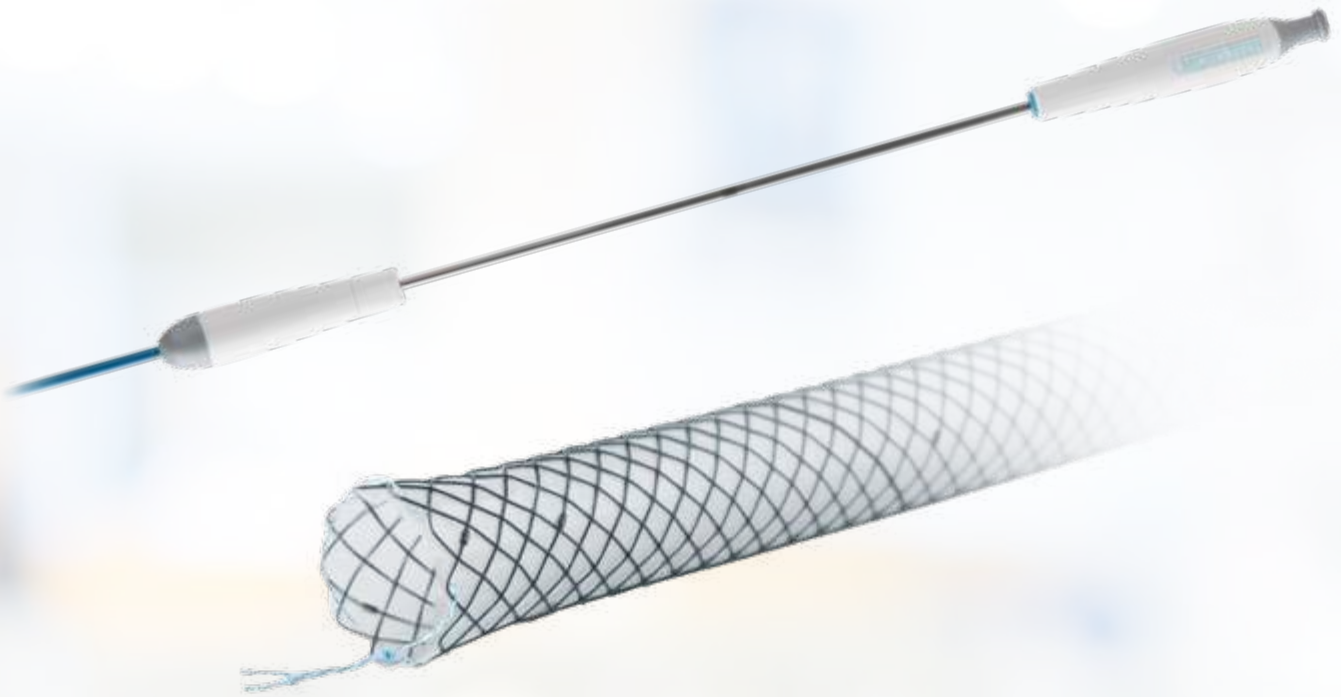
TTS STENTS FOR ROUTINE INTERVENTIONS

We offer uncovered as well as partially covered biliary duct stents in three different lengths. All stents can be placed through the working channel of the duodenoscope over the inserted guide wire (TTS – through-the-scope).

TEN PLATINUM RADIOPAQUE MARKERS

In order to achieve improved visibility under X-ray control each stent bears a total of ten radiopaque markers: four markers located at each end, and two in the middle of the stent. The two radiopaque markers in the middle guarantee for the controllability of the stent's optimal position during deployment.





BILIARY-STENT (GEN-II)

HIGH PRECISION IN SLIM DESIGN

The next generation of MICRO-TECH's biliary stents takes the bridging of bile-duct stenosis to a new level. Thanks to its slim design, the system can be pushed almost frictionless through the endoscope and released easily in the bile-duct. A high flexible, specially developed Nitinol wire and the tantalum markers ensure optimal placement under

X-ray vision. The range of stents are available in lengths from 40 to 100 mm as well as fully, partially and uncovered stents. Uncovered and partially covered variants are produced with a "point-of-no-return" that allows to re-insert the stent into the sheath again and make the repositioning much easier.

SPECIFIC CHARACTERISTICS

- Slimmer introducer set
- Point-of-no-return for uncovered and partially covered stents
- Stent system does not need to be flushed before application
- Stent with tantalum marker for good visibility under X-ray



Tantalum X-ray markings



Partly expanded



SPECIFICATIONS

REF	Ø mm	Length mm	Working channel mm	Covering	
STENTS STRAIGHT					
NST03-001-10.040	10	40	3.7	Without	
NST03-001-10.060	10	60	3.7	Without	
NST03-001-10.080	10	80	3.7	Without	
NST03-001-10.100	10	100	3.7	Without	
NST03-002-10.040	10	40	3.7	Partial	
NST03-002-10.060	10	60	3.7	Partial	
NST03-002-10.080	10	80	3.7	Partial	
NST03-002-10.100	10	100	3.7	Partial	
NST03-004-10.040	10	40	3.7	Complete	
NST03-004-10.060	10	60	3.7	Complete	
NST03-004-10.080	10	80	3.7	Complete	
NST03-004-10.100	10	100	3.7	Complete	
STENTS WITH EXTENDED TULIPS					
NST03-111-10.040	10/13	40	3.7	Without	
NST03-111-10.060	10/13	60	3.7	Without	
NST03-111-10.080	10/13	80	3.7	Without	
NST03-111-10.100	10/13	100	3.7	Without	
NST03-112-10.040	10/13	40	3.7	Partial	
NST03-112-10.060	10/13	60	3.7	Partial	
NST03-112-10.080	10/13	80	3.7	Partial	
NST03-112-10.100	10/13	100	3.7	Partial	
NST03-114-10.040	10/13	40	3.7	Complete	
NST03-114-10.060	10/13	60	3.7	Complete	
NST03-114-10.080	10/13	80	3.7	Complete	
NST03-114-10.100	10/13	100	3.7	Complete	
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	Lock ^{*2}
INTRODUCER SYSTEM					
	2.5 mm/7.5 fr., 2.8 mm/8.5 fr.	1800	0.035 inch	2	Yes

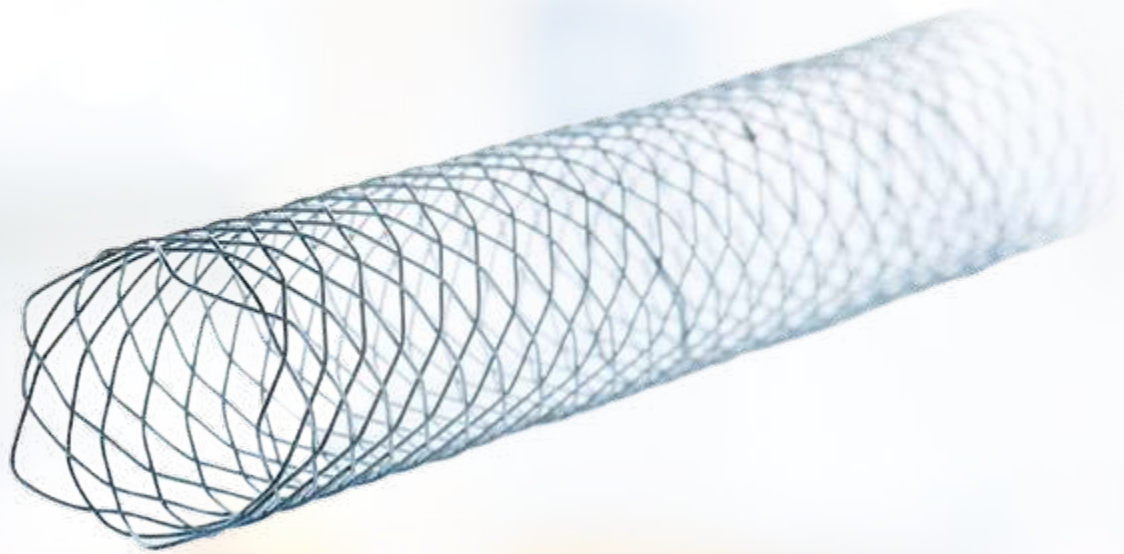
*1 RM – radiopaque markings / *2 Lock – secures the introducer system during transport, storage and insertion

Recommended guidewires:

Straight: MTN-BM-89/45-A, MTN-BM-63/45-A, MTN-BM-53/45-A, MTN-BM-45/45-A.

J-tip: MTN-BM-89/45-A-J, MTN-BM-63/45-A-J.





PLATINUM-LINE

PERFECT VISIBILITY FOR HIGHEST PRECISION

With its Platinum-Line, MICRO-TECH heralds a new generation of biliary duct stents. Under X-ray control, they are more visible than ever before, making their release even safer and precise. The secret of their extremely good visi-

bility lies in the specially developed Nitinol wire. Now with enhanced radiopacity, these platinum stents virtually glow in X-ray images. This accounts for extremely good visibility of the stent over its entire length under fluoroscopy.

UNCHALLENGED: VISIBILITY UNDER X-RAY CONTROL

Apart from the innovative Nitinol wire, each stent of the Platinum-Line is distinguished by two additional radiopaque markers which are located in the middle of the stent. This enables pinpointing the exact position of the stent's center line while the stent is being released. Additional radiopaque markers on the introducer system also facilitate orientation.



Released Platinum-Line stent

THE RIGHT CHOICE, WHETHER SHORT OR LONG

The biliary stents from MICRO-TECH are 10 mm wide throughout and differ in length according to the indication: a choice of five lengths is available, namely 40. 60. 70. 80 and 100 mm.



SPECIFICATIONS

REF	Ø centre mm	Ø end mm	Length mm	Covering mm
CLASSIC-LINE TTS				
ST03-101.10.040	10	10	40	Without
ST03-101.10.060	10	10	60	Without
ST03-101.10.080	10	10	80	Without
ST03-101.10.100	10	10	100	Without
ST03-102.10.060	10	10	60	50
ST03-102.10.080	10	10	80	70
ST03-102.10.100	10	10	100	90
CLASSIC-LINE PTCD				
ST03-111.10.060	10	10	60	Without
ST03-111.10.080	10	10	80	Without
ST03-112.10.060	10	10	60	50
ST03-112.10.080	10	10	80	70
PLATINUM-LINE TTS				
ST03-104.10.040	10	10	40	Without
ST03-104.10.060	10	10	60	Without
ST03-104.10.080	10	10	80	Without
ST03-104.10.100	10	10	100	Without
ST03-105.10.040	10	10	40	30
ST03-105.10.060	10	10	60	50
ST03-105.10.080	10	10	80	70
ST03-105.10.100	10	10	100	90
ST03-106.10.040	10	10	40	40
ST03-106.10.060	10	10	60	60
ST03-106.10.080	10	10	80	80
PLATINUM-LINE TTS, EXTENDED ENDS, EXTRACTION THREADS PRE-PAPILLARY				
ST03-126.10.040	10	10	40	30
ST03-126.10.060	10	10	60	50
ST03-126.10.080	10	10	80	70
ST03-127.10.040	10	10	40	40
ST03-127.10.060	10	10	60	60
ST03-127.10.070	10	10	70	70
ST03-127.10.080	10	10	80	80

	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
ST03-101... (TTS)	2.7/8	1800	0.035 inch	2	Yes	Yes
ST03-102 + 103... (TTS)	3.0/9	1800	0.035 inch	2	Yes	Yes
ST03-111... (PTCD)	2.7/8	500	0.035 inch	2	Yes	Yes
ST03-112... (PTCD)	2.8/8.5	500	0.035 inch	2	Yes	Yes
ST03-126... (TTS)	3.0/9	1800	0.035 inch	2	Yes	Yes
ST03-127... (TTS)	3.3/10	1800	0.035 inch	2	Yes	Yes

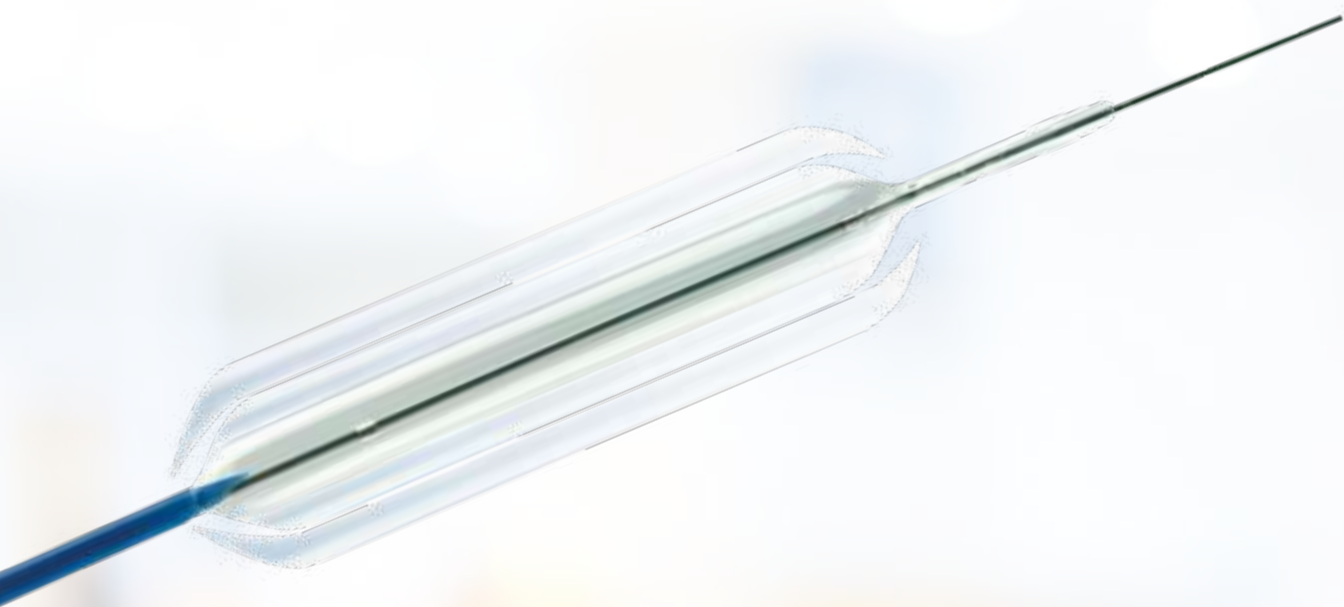
Recommended guide wire (TTS): 600360-5 Alternative: 600358-5 with a longer tip

Recommended guide wire (Perkutan): 600371-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





MULTI-STAGE DILATION BALLOONS

THREE DIAMETERS, ONE BALLOON

The multi-stage dilation balloon from MICRO-TECH facilitates simple and reliable dilation of stenoses. Each balloon can be expanded to three different, fixed diameters for progressive dilation of stenosis in three pre-defined stages. The pressure is distributed evenly over the entire working length of the balloon at every diameter. The

rounded tips enable a good endoscopic view of the stenosis, even during dilation, ensuring controlled, safe intervention and good therapeutic success. Thanks to the preloaded stiffed wire with its flexible, hydrophilic, radiopaque tip, the balloons are readily introduced and are then rapidly deflated after successful dilation.

SPECIFIC CHARACTERISTICS

- Three different diameters with three separate pressure levels
- 2 X-ray markers on opposite ends to indicate the exact working length of the balloon
- Rounded Balloon shoulders for clear endoscopic view of the balloon's distal end
- Conical, atraumatic catheter tip
- Preloaded stiffed wire with hydrophilic, radiopaque tip



Separate openings for stiffed wire and insufflation



SINGLE-USE INFLATION-INSTRUMENT

Sturdy construction and an ergonomic handle for easy control. With quick-lock mechanism for one-handed deflation, even under full pressure. The clear cylinder and the easy to read scale allow for a close look at the content and the amount. The exact gauge guarantees reliable pressure measurement.



SPECIFICATIONS

REF	Content ml air/liquid	Max. pressure ATM	Feature		
SINGLE-USE INFLATION-INSTRUMENT					
BID-15-60-01	60	15	3-way-stopcock		
REF	Balloon Ø mm	Balloon 3-stagedilation pressure (atm)	Balloon length mm	Catheter Ø fr.	Catheter length mm
MULTI-STAGE DILATION BALLOONS					
MBD-AS-BB-2	6 / 7 / 8	3 / 6 / 10	30	7	2300
MBD-AM-BA-2	6 / 7 / 8	3 / 6 / 10	55	7	1800
MBD-AM-BB-2	6 / 7 / 8	3 / 6 / 10	55	7	2300
MBD-AL-BA-2	6 / 7 / 8	3 / 6 / 10	80	7	1800
MBD-BS-BB-2	8 / 9 / 10	3 / 5.5 / 9	30	7	2300
MBD-BM-BA-2	8 / 9 / 10	3 / 5.5 / 9	55	7	1800
MBD-BM-BB-2	8 / 9 / 10	3 / 5.5 / 9	55	7	2300
MBD-BL-BA-2	8 / 9 / 10	3 / 5.5 / 9	80	7	1800
MBD-CS-BB-2	10 / 11 / 12	3 / 5 / 8	30	7	2300
MBD-CM-BA-2	10 / 11 / 12	3 / 5 / 8	55	7	1800
MBD-CM-BB-2	10 / 11 / 12	3 / 5 / 8	55	7	2300
MBD-CL-BA-2	10 / 11 / 12	3 / 5 / 8	80	7	1800
MBD-DS-BB-2	12 / 13.5 / 15	3 / 4.5 / 8	30	7	2300
MBD-DM-BA-2	12 / 13.5 / 15	3 / 4.5 / 8	55	7	1800
MBD-DM-BB-2	12 / 13.5 / 15	3 / 4.5 / 8	55	7	2300
MBD-DL-BA-2	12 / 13.5 / 15	3 / 4.5 / 8	80	7	1800
MBD-EM-BA-2	15 / 16.5 / 18	3 / 4.5 / 7	55	7	1800
MBD-EM-BB-2	15 / 16.5 / 18	3 / 4.5 / 7	55	7	2300
MBD-EL-BA-2	15 / 16.5 / 18	3 / 4.5 / 7	80	7	1800
MBD-FM-BA-2	18 / 19 / 20	3 / 4.5 / 6	55	7	1800
MBD-FM-BB-2	18 / 19 / 20	3 / 4.5 / 6	55	7	2300
MBD-FL-BA-2	18 / 19 / 20	3 / 4.5 / 6	80	7	1800

Packaging unit: 1 piece / suitable for guide wires with 0.035"





DILATION BALLOONS

SIMPLY EXPAND RELIABLY AND EFFECTIVELY

The dilation balloons from MICRO-TECH stand for maximum quality. MICRO-TECH produces all the dilation balloons itself – using state-of-the-art European and American production technology. Two x-ray markings indicate the exact working length of the balloon, thereby ensuring its precise positioning. Under application of pressure, the

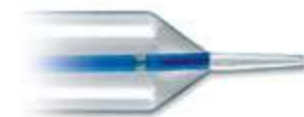
balloon is rapidly filled to acquire its predefined expansion width. Furthermore, the high-pressure design ensures the balloon retains its shape over the entire working length, thereby allowing optimum dilation success. All balloons are available as TTS (through-the-scope) systems up to a diameter of 18 mm and a catheter length of 1800 mm.

SPECIFIC CHARACTERISTICS

- Dimensionally stable high pressure design
- 2 X-ray markers on opposite ends to indicate the exact working length of the balloon
- Separate guide wire and insufflation lumens
- Conical shaped catheter tip
- Rapid expansion
- Constant dilation over the entire length
- Guide-wire compatible up to 0.035 inches



X-ray marking

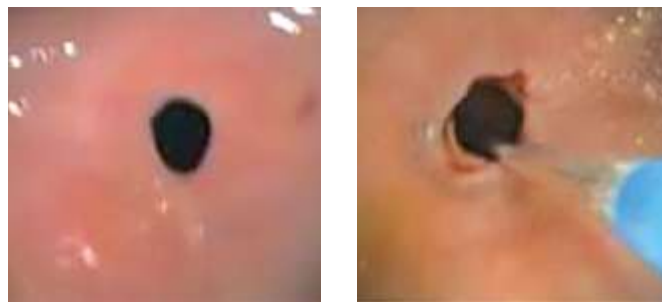


Conical tip



SUCCESSFUL IN PRACTICAL USE

Stenoses are effectively dilated using the MICRO-TECH dilation balloons. The balloon dilates the stenosis safely and gently and prepares the area to be treated in an optimum manner. The uniform distribution of pressure over the entire working length of the balloon and the outstanding dimensional stability during dilation guarantee excellent therapeutic success over the entire length of the stenosis.



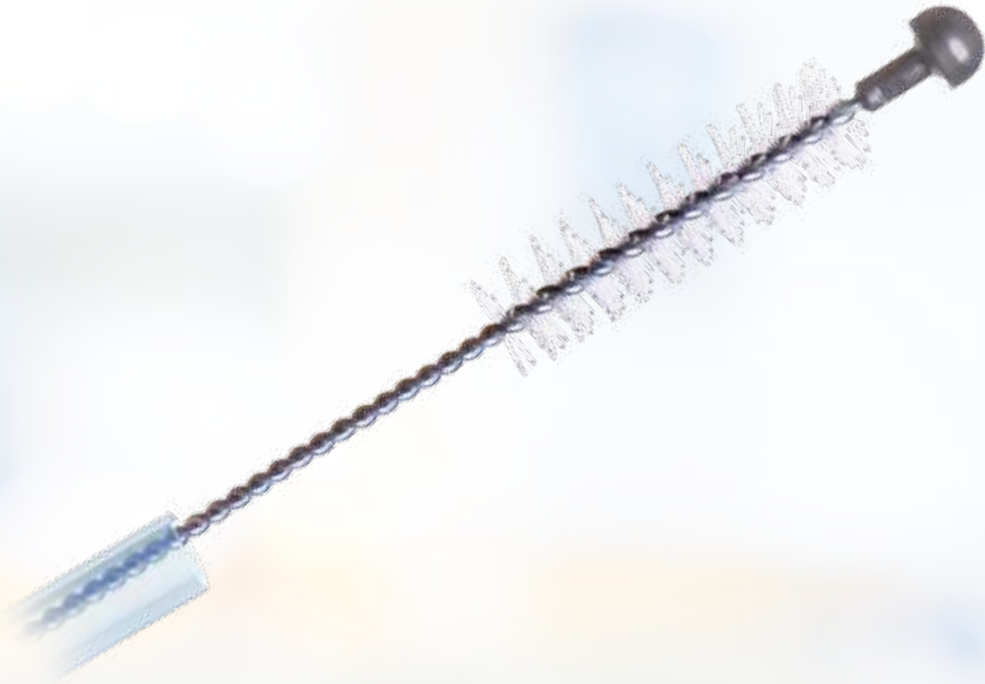
Endoscopic control during dilation therapy

SPECIFICATIONS

REF	Balloon Ø mm	Balloon length mm	Catheter Ø fr.	Catheter length mm	Channel Ø mm	Application
TTS – DILATION BALLOONS						
BDC-8/55-7/18	8	55	7	1800	2.8	Oesophagus/Bile duct
BDC-8/55-7/24	8	55	7	2400	2.8	Pylorus/Colon
BDC-10/55-7/18	10	55	7	1800	2.8	Oesophagus/Bile duct
BDC-10/55-7/24	10	55	7	2400	2.8	Pylorus/Colon
BDC-12/55-7/18	12	55	7	1800	2.8	Oesophagus
BDC-12/55-7/24	12	55	7	2400	2.8	Pylorus/Colon
BDC-16/55-7/18	16	55	7	1800	2.8	Oesophagus
BDC-16/55-7/24	16	55	7	2400	2.8	Pylorus/Colon
BDC-18/55-7/18	18	55	7	1800	2.8	Oesophagus
BDC-18/55-7/24	18	55	7	2400	2.8	Pylorus/Colon
BDC-20/55-7/18	20	55	7	1800	4.2	Oesophagus
BDC-20/55-7/24	20	55	7	2400	4.2	Pylorus/Colon
BDC-12/80-7/18	12	80	7	1800	2.8	Oesophagus
BDC-12/80-7/24	12	80	7	2400	2.8	Pylorus/Colon
BDC-16/80-7/18	16	80	7	1800	2.8	Oesophagus
BDC-16/80-7/24	16	80	7	2400	2.8	Pylorus/Colon
BDC-18/80-7/18	18	80	7	1800	2.8	Oesophagus
BDC-18/80-7/24	18	80	7	2400	2.8	Pylorus/Colon
BDC-20/80-7/18	20	80	7	1800	4.2	Oesophagus
BDC-20/80-7/24	20	80	7	2400	4.2	Pylorus/Colon
ACHALASIE-BALLOONS						
BDC-26/80-7/10	26	80	7	1000	–	Achalasie
BDC-30/80-7/10	30	80	7	1000	–	Achalasie
BDC-34/80-7/10	34	80	7	1000	–	Achalasie
FIXED WIRE BALLOONS						
FWB-06/80-6/18-M	6-7-8	80	6	1800	2.8	Upper/lower GI
FWB-08/80-6/18-M	8-9-10	80	6	1800	2.8	Upper/lower GI
FWB-10/80-6/18-M	10-11-12	80	6	1800	2.8	Upper/lower GI
FWB-12/80-6/18-M	12-13.5-15	80	6	1800	2.8	Upper/lower GI
FWB-15/80-6/18-M	15-16.5-18	80	6	1800	2.8	Upper/lower GI
FWB-18/80-6/18-M	18-19-20	80	6	1800	2.8	Upper/lower GI

Packaging unit: 1 piece / suitable for guide wires with 0.035"





CYTOLOGY BRUSHES

THE SOLUTION FOR EASY AND SAFE CYTOLOGIC SMEARS

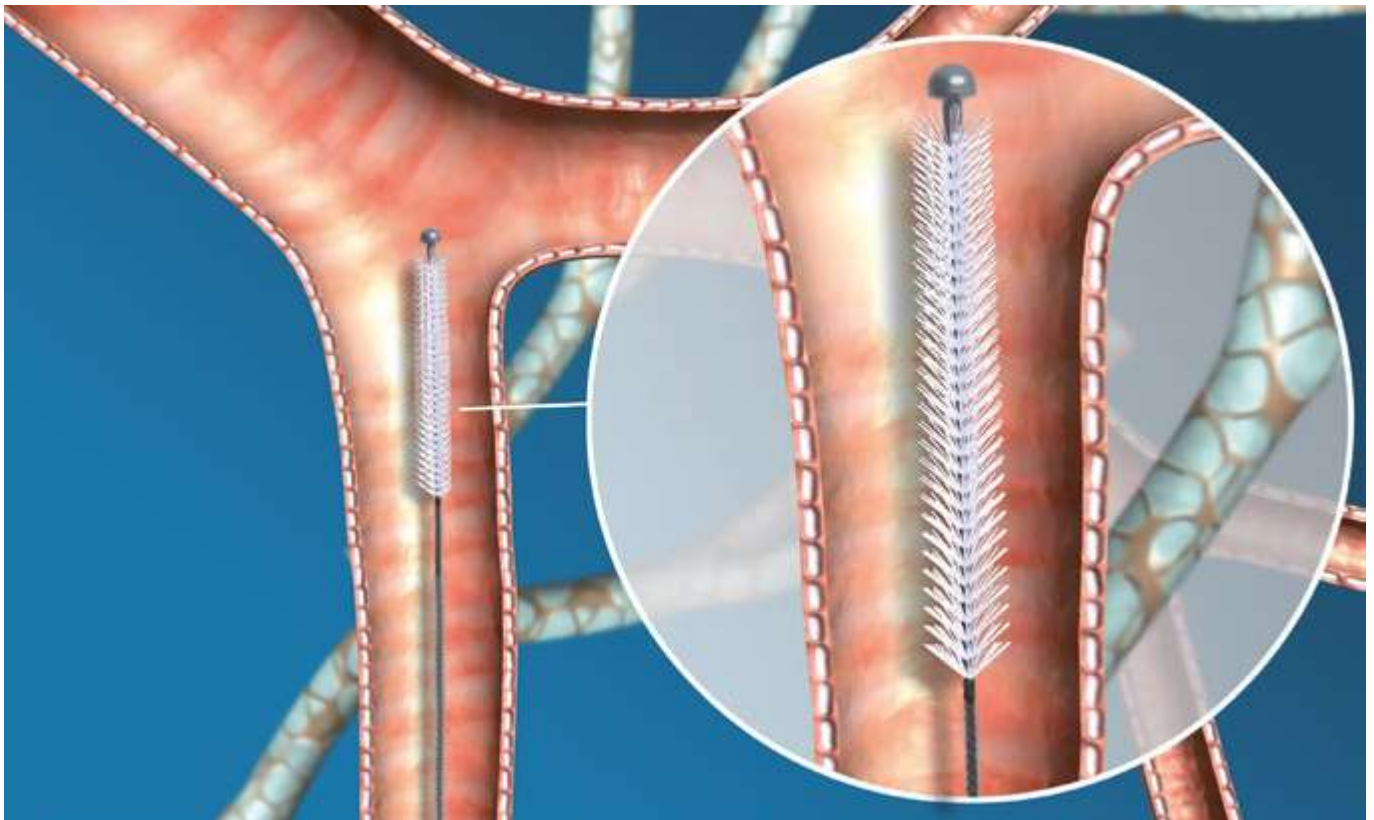
One established method of acquiring cell specimens consists of taking cytologic smears with cytology brushes: MICRO-TECH makes cytologic smearing efficient and safe, owing to a series of cytology brushes which are especially adapted to clinical requirements. The MICRO-TECH cytology brush can be push forward

easily to the desired site through the endoscope. The thin bristles enable a tissue-sparing cytologic smear. The plastic tube and the distal ball for closure protect the tissue sample when the device is retracted. A potential contamination of the sample or even a loss of sample is thus excluded.

SPECIFIC CHARACTERISTICS

- Thin bristles for an optimal collection of cells
- Includes a plastic tube and a metal “ball shaped” head for tight closure
- For endoscopes with a minimum working channel diameter of 2.0 mm
- Sterile single packaging





SAFE AND CONTROLLED INTRODUCTION

By using MICRO-TECH cytology brushes, you can access lesions that are hard to reach, easily and safely. The ergonomically shaped 3-ring handle also gives the user a secure and comfortable grip. Every movement is conveyed to the brush head, directly and with precision.



Ergonomically handle

COMPREHENSIVE RANGE OF PRODUCTS

MICRO-TECH offers a great variety of cytology brush models which are suited for many application fields and comply with clinical specifications.

SPECIFICATIONS

REF	Brush Ø mm	Length mm	Catheter Ø mm
SINGLE-USE CYTOLOGY BRUSH			
CYB-30S-24C	3.0	2400	2.3
CYB-40S-24C	4.0	2400	2.3

Packaging unit: 20 pieces





NETS

SAFELY REMOVE FOREIGN BODIES AND POLYPS

The MT net has been developed for the removal of polyps and foreign bodies and enables the reliable recovery of tissue samples. The net itself consists of a reinforced thread

material, which offers additional safety during recovery. Thanks to its unique dimensional stability and large opening, it facilitates work over several passes.

SPECIFIC CHARACTERISTICS

- Large net
- High quality manufacture
- Comfortable 3-ring handle
- Easy and precise opening



Shape stable MT net



SPECIFICATIONS

REF	Ø net mm	Snare	Working length mm	Ø working channel mm
RETRIEVAL NET				
NT-E-30/23-P	30	Oval	2300	2.8
NT-E-30/16-P	30	Oval	1600	2.8

Packaging unit: 2 pieces





FOREIGN BODY FORCEPS

QUALITY CRAFTED FOR HIGH PRECISION CONTROL

Due to the ergonomic 3-ring handle the one-time foreign body forceps can be used with ease and comfort. Each movement is passed exactly to the forceps – even in angled body regions. The calipers themselves are made

of high quality material and are perfectly manufactured. These qualities allow you to grab firmly, guaranteeing safe foreign body retrievals. The range includes forceps for gastroenterology, pneumology, paediatrics and urology.

SPECIFIC CHARACTERISTICS

- High-quality processing
- Covering with markings
- Ergonomic 3-ring handle
- Easy and safe operation
- Different areas of application
- 3 types: Alligator, 2-1 teeth and Griffin
- Sterile and individually wrapped
- Type Griffin also for stent-extraction and -repositioning



Type Griffin: long alligator jaw with 2:1 teeth



Type: 2-1 teeth



SPECIFICATIONS

REF	Type	Length mm	Ø mm
DISPOSABLE FOREIGN BODY FORCEPS - GASTROENTEROLOGY			
NGF03-11023230	2-1 teeth	2300	2.3
NGF13-11023230	Alligator	2300	2.3
NGF33-11023230	Griffin	2300	2.3
DISPOSABLE FOREIGN BODY FORCEPS - PNEUMOLOGY, PAEDIATRICS, UROLOGY			
NGF32-11018180	Griffin	1800	1.8
NGF32-11018120	Griffin	1200	1.8

Packaging unit: 10 pieces

Type Griffin is ideal and our recommendation for stent-extraction and -repositioning.





DISPOSABLE BIOPSY FORCEPS

NO COMPROMISES: QUALITY MEETS COMFORT

The wide choice of disposable biopsy forceps ensures that you are perfectly equipped for every application. MICRO-TECH offers forceps with diameters of 1.8 mm, 2.3 mm and 3.0 mm in addition to lengths of 120, 180, 230 and 260 cm. Whether they come with or without a spike, coated or uncoated, with standard or toothed

spoons – all models are characterized by their high reliability. The excellent cutting edge of our biopsy forceps allows you to take diagnostically conclusive tissue samples in a safe and easy manner. In addition to the comfort-forceps with soft grip, our range also includes the more cost-efficient eco-forceps (TRUBITE).

SPECIFIC CHARACTERISTICS

- Reliability
- Very comfortable to use
- Diagnostically conclusive biopsies
- Wide product variety
- High quality riveted scissors joints
- Working channel-friendly design



Toothed spoon



Scissors joint



SUCCESSFUL IN PRACTICAL USE

The biopsy forceps perform in practice thanks to their ease of insertion and excellent mobility. The area to be examined can therefore be reached easily and rapidly. During tissue sampling, the forceps are outstanding for their accurate control and precise cut.

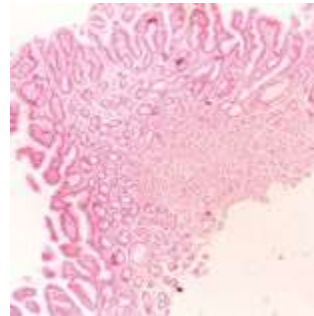
Due to their particularly sharp cutting edge, the forceps allow precise removal of biopsates. The amount of effort in this case is minimal. The biopsates acquired biopsy samples are large and therefore provide sufficient tissue for diagnostically conclusive findings.



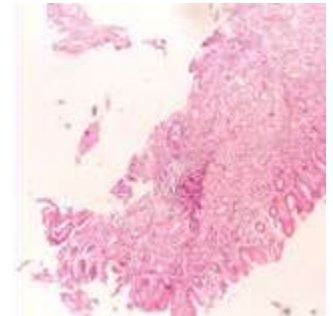
Biopsy removal



After biopsy removal



Biopsate removed with a toothed cutting edge



Biopsate removed with a smooth cutting edge



GRIP IN A COMFORT- OR ECO-VERSION

With the grip of the forceps, the jaw section is perfectly under control. It offers you precise guidance even with sharply angled endoscopes. The soft, anti-slip rubber coating handle makes work safe and pleasant. Two different handles are available:

The comfort-version with the soft antiskid rubber makes handling safe and convenient to the eco-version with the plastic handle.

JAW SECTIONS FOR EVERY INTERVENTION

Whether for biopsies or for removal of small polyps – the disposable biopsy forceps are perfectly equipped for any task with different jaw sections: with a smooth or a toothed cutting edge and with or without a spike. The jaw section can be precisely controlled and opened at a wide angle.





HIGH QUALITY COATING

A choice of an uncoated and coated metal coil is available. Additional markings are provided on the coating to facilitate orientation during use.

RAPID IDENTIFICATION

The forceps components have different colour codes for quick identification and choice of application field.

Handle:

- white – toothed cutting edge
- grey – smooth cutting edge

Jaw section protective cap:

- red – with spike
- yellow – without spike

Coating:

- grey – bronchial forceps
Ø 1.8 mm, 120 cm long
- yellow – paediatric forceps
Ø 1.8 mm, 180 cm long
- orange – gastric forceps
Ø 2.3 mm, 180 cm long
- blue – colon forceps
Ø 2.3 mm, 230 cm long
- orange or blue – macro forceps
Ø 3.0 mm, 180 und 230 cm long



SPECIFICATIONS

REF	Ø mm	Length mm	Spike	Covering	Jaw
MACRO FORCEPS					
NBF01-01030180	3.0	1800	No	Without	Standard
NBF01-01030230	3.0	2300	No	Without	Standard
NBF01-01130180	3.0	1800	Yes	Without	Standard
NBF01-01130230	3.0	2300	Yes	Without	Standard
NBF03-01030180	3.0	1800	No	Orange	Standard
NBF03-01030230	3.0	2300	No	Blue	Standard
NBF03-01130180	3.0	1800	Yes	Orange	Standard
NBF03-01130230	3.0	2300	Yes	Blue	Standard
TRUBITE					
EBF51-11023180	2.3	1800	No	Without	Standard
EBF51-11023230	2.3	2300	No	Without	Standard
EBF51-11123180	2.3	1800	Yes	Without	Standard
EBF51-11123230	2.3	2300	Yes	Without	Standard
EBF53-11023180	2.3	1800	No	Orange	Standard
EBF53-11023230	2.3	2300	No	Blue	Standard
EBF53-11123180	2.3	1800	Yes	Orange	Standard
EBF53-11123230	2.3	2300	Yes	Blue	Standard

Packaging unit: 10 pieces

Also available as hot-biopsy-forceps





BILIARY
SHORTWIRE

SHOW
SHORT WIRE SYSTEM

YOUR TRUSTED PARTNER IN ENDOSCOPY





LOCKING DEVICE GUIDE WIRE

OPTIMAL HOLD FOR UP TO TWO WIRES

The guide wire holder LOCKING DEVICE holder facilitates the use of short wire compatible instruments and fixes up to two guide wires in parallel. The double diaphragm of the valve reduces the escape of air and bile

reflux. It is possible to change the instrument at any time with the Albarran lever open, which is particularly helpful if the Albarran does not hold the guide wire optimally.

SPECIFIC CHARACTERISTICS

- Instrument change with open Albarran lever
- For short wire compatible instruments
- Up to two guide wires in parallel
- Double membrane reduces air leakage and bile reflux



SPECIFICATIONS

REF

Compatible Endoscope

LOCKING DEVICE GUIDE WIRE

MT-RGL-O

Olympus/ Fujifilm

MT-RGL-P

Pentax

Packaging unit: 10 pieces





SPHINX 3-LUMEN PAPILOTOME

FOR PRECISE WIRE GUIDANCE AND CANNULATION

Thanks to the novel opening mechanism of the guide wire port, the papillotome can be used for both short wire and long wire procedures. The C-shaped guide wire lumen allows a gentle splitting movement to separate the guide

wire from the papillotome catheter. The adjustable tip ensures accurate cannulation and positioning of the cutting wire prior to papillotomy.

SPECIFIC CHARACTERISTICS

- 3 lumen for guide wire, cutting wire and contrast injection
- Optional insulation of proximal cutting wire
- Cutting direction at 11 o'clock
- Cone shape tip, tapered to 5 Fr
- Working length: 2.000 mm
- Outer diameter: 2.5 mm
- Guide wire compatible fully mobile up to 0.035 inch

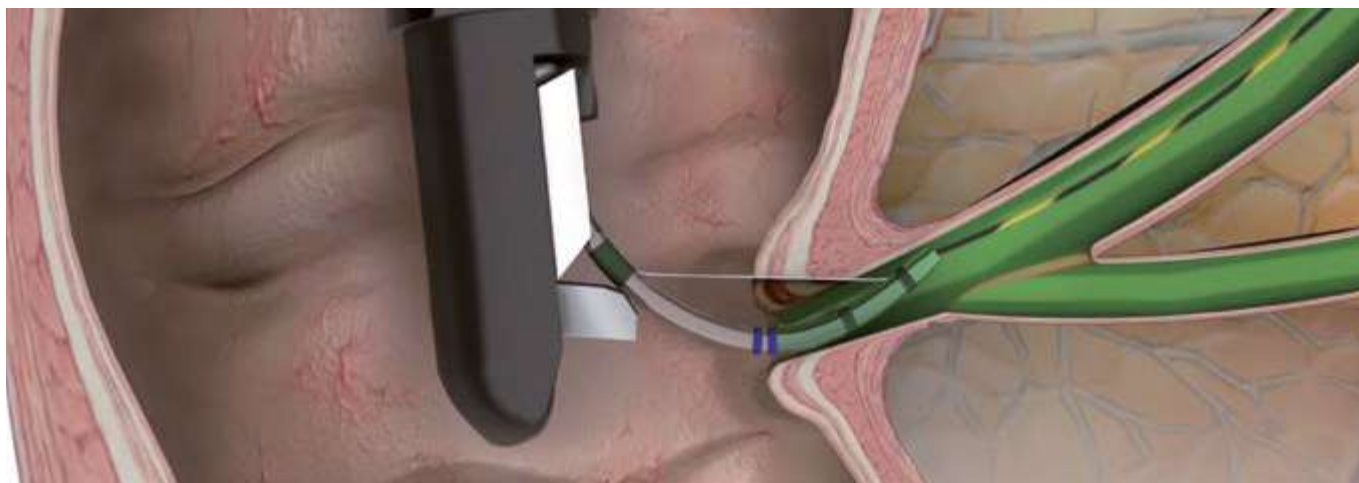


Precise adjustment function



Tip: Precut





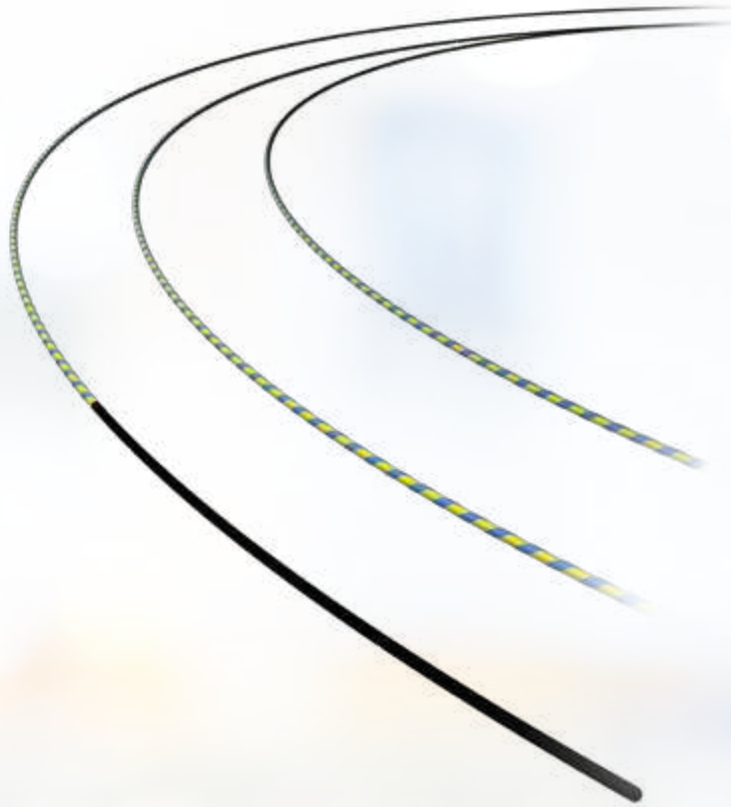
SPECIFICATIONS

REF	Tip length mm	Cutting wire length mm	Insulating coating	Guide wire length cm	Cutting wire monofil/polyfil	Tip shape	Working channel mm
SPHINX PAPILOTOME, 3-LUMEN							
RDSP-0020-111	0	20	No	No	monofil	Cone	≥ 3.2
RDSP-0020-121	0	20	No	260	monofil	Cone	≥ 3.2
RDSP-0020-131	0	20	No	450	monofil	Cone	≥ 3.2
RDSP-0025-111	0	25	No	No	monofil	Cone	≥ 3.2
RDSP-0025-121	0	25	No	260	monofil	Cone	≥ 3.2
RDSP-0025-131	0	25	No	450	monofil	Cone	≥ 3.2
RDSP-0030-111	0	30	No	No	monofil	Cone	≥ 3.2
RDSP-0030-121	0	30	No	260	monofil	Cone	≥ 3.2
RDSP-0030-131	0	30	No	450	monofil	Cone	≥ 3.2
RDSP-0220-111	2	20	No	No	monofil	Cone	≥ 3.2
RDSP-0220-121	2	20	No	260	monofil	Cone	≥ 3.2
RDSP-0220-131	2	20	No	450	monofil	Cone	≥ 3.2
RDSP-0225-111	2	25	No	No	monofil	Cone	≥ 3.2
RDSP-0225-121	2	25	No	260	monofil	Cone	≥ 3.2
RDSP-0225-131	2	25	No	450	monofil	Cone	≥ 3.2
RDSP-0230-111	2	30	No	No	monofil	Cone	≥ 3.2
RDSP-0230-121	2	30	No	260	monofil	Cone	≥ 3.2
RDSP-0230-131	2	30	No	450	monofil	Cone	≥ 3.2
RDSP-0520-111	2	20	No	No	monofil	Cone	≥ 3.2
RDSP-0520-121	5	20	No	260	monofil	Cone	≥ 3.2
RDSP-0520-131	5	20	No	450	monofil	Cone	≥ 3.2
RDSP-0525-111	5	25	No	No	monofil	Cone	≥ 3.2
RDSP-0525-121	5	25	No	260	monofil	Cone	≥ 3.2
RDSP-0525-131	5	25	No	450	monofil	Cone	≥ 3.2
RDSP-0530-111	5	30	No	No	monofil	Cone	≥ 3.2
RDSP-0530-121	5	30	No	260	monofil	Cone	≥ 3.2
RDSP-0530-131	5	30	No	450	monofil	Cone	≥ 3.2

Packaging unit: 1 piece

All Papillotome are also available with polyfilen and partly insulated cutting wires available on request. Cutting wire length also available in 20mm and 30mm on request.





GUIDE WIRES

THE RELIABLE CHOICE FOR ERCP

All guide wires are manufactured out of bending-resistant and torsion-proof Nitinol. Their hydrophilic coated tips, allow the wires to safely find their way even into areas and stenoses which are hard to reach. This is supported by the wire's high rigidity and controllability. Hence the guide

wires are not only meant for sophisticated stent placements, but are also perfectly suited for ERCP. The high radiopacity of the flexible hydrophilic tip facilitates exact stent placement under visual radiological control.

SPECIFIC CHARACTERISTICS

- Non-kinking nitinol wire
- High level of rigidity and guidability
- Hydrophilic, atraumatic tip
- Working length: up to 2600 mm
- High level of radiopacity



SUCCESSFUL IN PRACTICAL ROUTINE WORK

Bending resistance and rigidity account for the very good feeding properties of guide wires. In daily applications they convince by their precision, which is primarily guaranteed by the efficient transmission of the rotatory and translatory motion all the way to the tip of the wire, as applied by the surgical assistant. This makes it possible to reach into even anatomically difficult passages with ease. In addition, the tip of each wire can be perfectly seen in the X-ray control image, allowing for optimal stent positioning.



Endoscopic view



X-ray

DISPENSER FOR EASY OPERATION

The wire can be easily ejected and retracted by means of this innovative dispenser. Owing to its compact design, the dispenser is handy and easy to operate. Rinsing the wire is also easy and fast when using the dispenser.



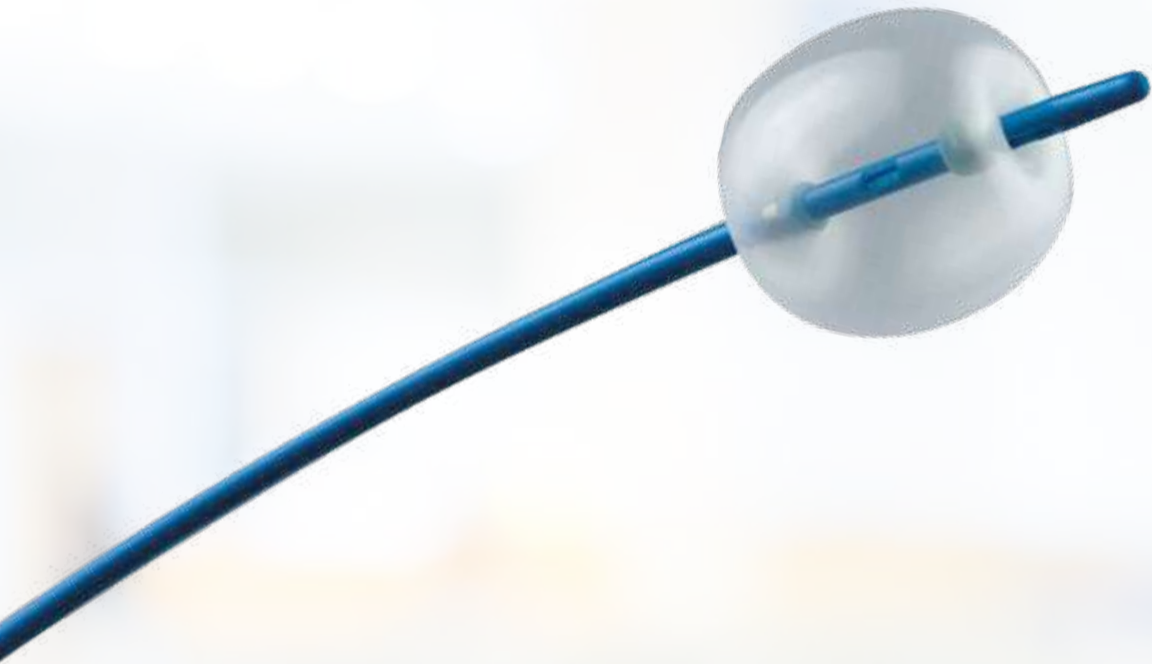
Dispenser guide wires

SPECIFICATIONS

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
GUIDE WIRE						
MTN-BM-89/26-A	0.035"	2600	65	straight	hydrophilic, radiopaque	blue-yellow
MTN-BM-89/26-A-J	0.035"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow
MTN-BM-63/26-A	0.025"	2600	65	straight	hydrophilic, radiopaque	blue-yellow
MTN-BM-63/26-A-J	0.025"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow

Packaging unit: 2 pieces





SWEEPER STONE EXTRACTION BALLOONS

ONE BALLOON, THREE DIAMETERS

MICRO-TECH's vast product range includes high-quality 3-lumen extraction balloons for reliable removal of small stones and sludge from the bile duct. The conical, atraumatic tip of the catheter makes for easy, precise positioning using the two x-ray markers. The cylindrical balloon itself is made of high-quality latex and can be expanded to three different diameters. A specially calibrated single-use

syringe is supplied for each balloon diameter. Following insufflation, the balloon surface lies flat against the bile duct wall, enabling efficient and complete cleaning of the bile duct. A separate lumen for a 0.035 inch guidewire and one for contrast media, provide for ease of handling and contrast injection.

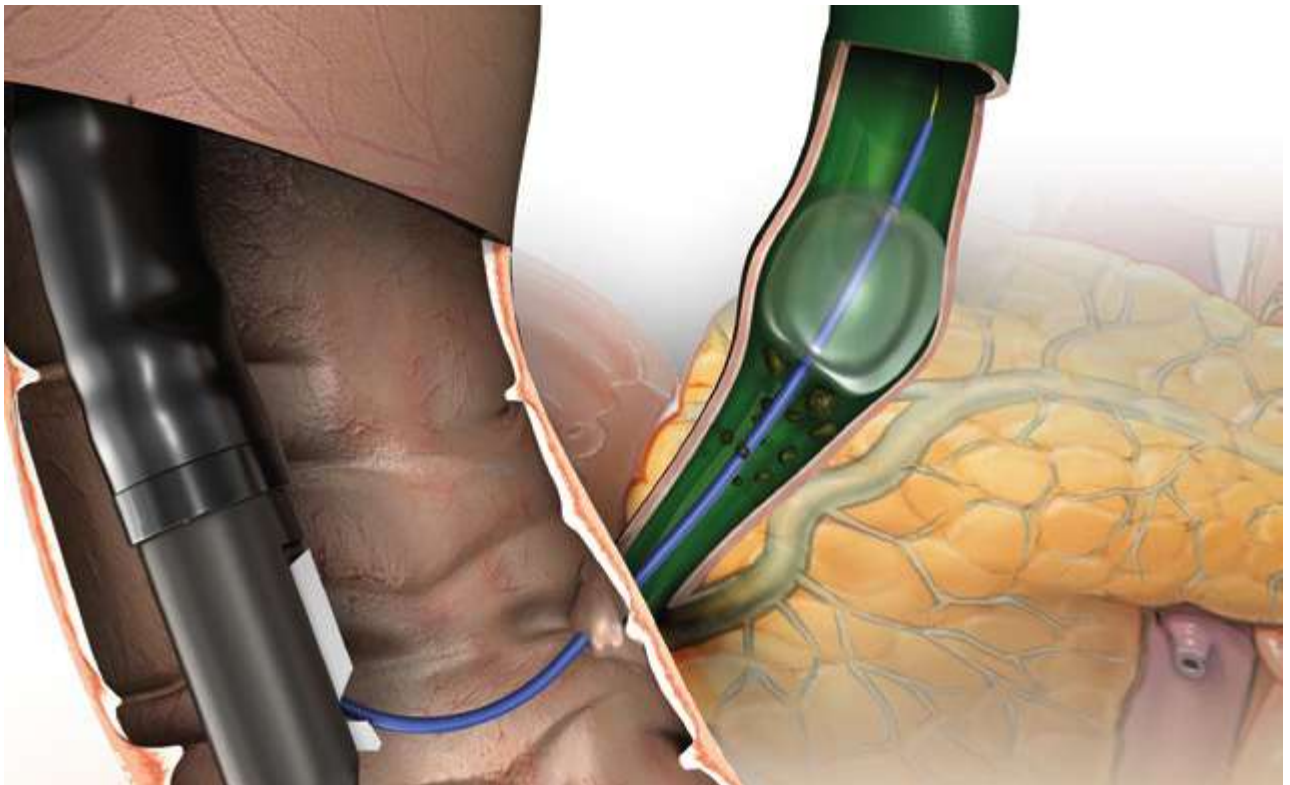
SPECIFIC CHARACTERISTICS

- 3-stage balloons
- One calibrated tip per diameter
- High quality latex
- 3 lumen for insufflation, guidewire and contrast agent
- High X-ray visibility (radiopacity)



3-lumen stone extraction balloon from MICRO-TECH



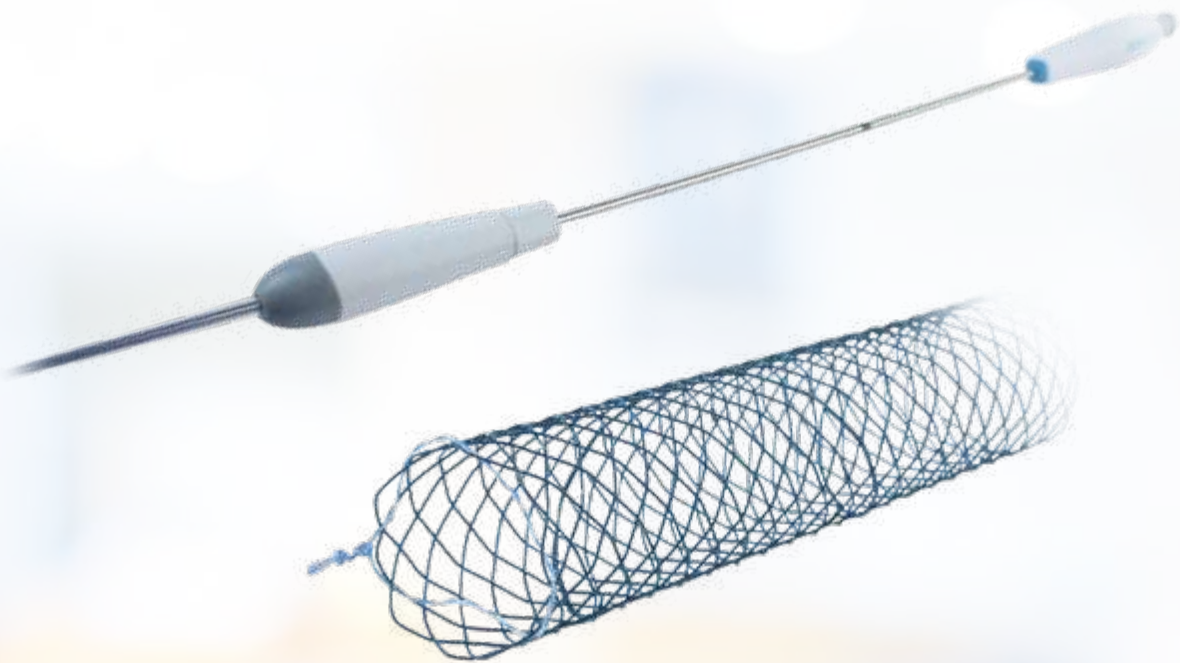


SPECIFICATIONS

REF	Injection	Lumen	Catheter Ø Fr.	Balloon Ø mm	Working length mm
SWEEPER STONE EXTRACTION BALLOONS					
RSRB-T-9/12/15-20	Above (distal to the balloon)	3	7	9 / 12 / 15	2000
RSRB-T-12/15/18-20	Above (distal to the balloon)	3	7	12 / 15 / 18	2000
RSRB-T-15/18/21-20	Above (distal to the balloon)	3	7	15 / 18 / 21	2000
RSRB-T-9/12/15-20-B	Below (proximal to the balloon)	3	7	9 / 12 / 15	2000
RSRB-T-12/15/18-20-B	Below (proximal to the balloon)	3	7	12 / 15 / 18	2000
RSRB-T-15/18/21-20-B	Below (proximal to the balloon)	3	7	15 / 18 / 21	2000

Packaging unit: 1 piece





SHOW-METAL-STENT

INDEPENDENCE AT ITS BEST

The SHOW-Metal-Stent from MICRO-TECH is indicated for applications in the bile duct and is suitable for both short and long wire systems. Time-consuming preparation and irrigation is no longer necessary. Made of flexible nitinol wire, the stent is designed to adapt ideally to biliary conditions. The atraumatic stent ends are characterized by their soft edges. For precise placement, there are overall

10 radiopaque markers on the stent itself and three more on the introducer set. The point-of-no-return (for uncovered and partially covered stents) allows resheathing of the stent which means it can be repositioned. The guide wire exit is located at approx. 30 cm. Our range includes stents with four different lengths of 40 to 100 mm and thus offers for each operation the ideal solution.

SPECIFIC CHARACTERISTICS

- Short and long wire compatible
- No preparation or flushing necessary
- Easy handling
- Uncovered, partially covered and fully covered
- Available in a straight form
- Automatic guide wire exit
- Point-of-no-return
- Very good visibility through tantalum markers
- Very flexible application system facilitates the placement



Extraction suture at proximal Stent-End



Guidewire discharge at ca. 30 cm from distal end



SPECIFICATIONS

REF	Ø mm	Length mm	Covering mm	Ø Catheter mm	Working length mm	Repositionable	Recommended GW inch
SHOW-METAL-STENTS							
RST43-001-10.040	10	40	without	2.83	1900	Yes	0.035"
RST43-001-10.060	10	60	without	2.83	1900	Yes	0.035"
RST43-001-10.080	10	80	without	2.83	1900	Yes	0.035"
RST43-001-10.100	10	100	without	2.83	1900	Yes	0.035"
RST43-002-10.040	10	40	30	2.83	1900	Yes	0.035"
RST43-002-10.060	10	60	50	2.83	1900	Yes	0.035"
RST43-002-10.080	10	80	70	2.83	1900	Yes	0.035"
RST43-002-10.100	10	100	90	2.83	1900	Yes	0.035"
RST43-004-10.040	10	40	40	2.83	1900	No	0.035"
RST43-004-10.060	10	60	60	2.83	1900	No	0.035"
RST43-004-10.080	10	80	80	2.83	1900	No	0.035"
RST43-004-10.100	10	100	100	2.83	1900	No	0.035"

Packaging unit: 1 piece

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
GUIDEWIRE						
MTN-BM-89/26-A	0.035"	2600	65	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/26-A-J	0.035"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow covering

Packaging unit: 2 pieces





BIOPSY
FORCEPS AND BRUSHES

YOUR TRUSTED PARTNER IN ENDOSCOPY





DISPOSABLE BIOPSY FORCEPS

NO COMPROMISES: QUALITY MEETS COMFORT

The wide choice of disposable biopsy forceps ensures that you are perfectly equipped for every application. MICRO-TECH offers forceps with diameters of 1.8 mm, 2.3 mm and 3.0 mm in addition to lengths of 120, 180, 230 and 260 cm. Whether they come with or without a spike, coated or uncoated, with standard or toothed

spoons – all models are characterized by their high reliability. The excellent cutting edge of our biopsy forceps allows you to take diagnostically conclusive tissue samples in a safe and easy manner. In addition to the comfort-forceps with soft grip, our range also includes the more cost-efficient eco-forceps.

SPECIFIC CHARACTERISTICS

- Reliability
- Very comfortable to use
- Diagnostically conclusive biopsies
- Wide product variety
- High quality riveted scissors joints
- Working channel-friendly design



Toothed spoon



Scissors joint



SUCCESSFUL IN PRACTICAL USE

The biopsy forceps perform in practice thanks to their ease of insertion and excellent mobility. The area to be examined can therefore be reached easily and rapidly. During tissue sampling, the forceps are outstanding for their accurate control and precise cut.

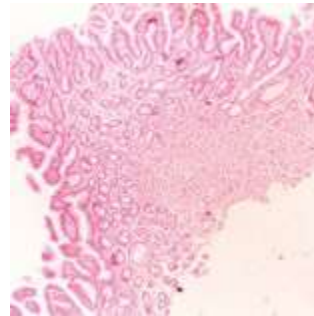
Due to their particularly sharp cutting edge, the forceps allow precise removal of biopsates. The amount of effort in this case is minimal. The biopsates acquired biopsy samples are large and therefore provide sufficient tissue for diagnostically conclusive findings.



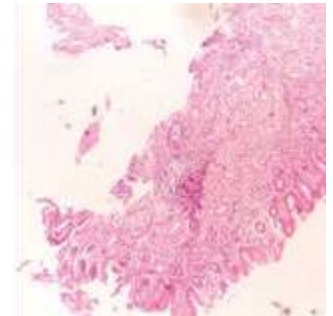
Biopsy removal



After biopsy removal



Biopsate removed with a toothed cutting edge



Biopsate removed with a smooth cutting edge



JAW SECTIONS FOR EVERY INTERVENTION

Whether for biopsies or for removal of small polyps – the disposable biopsy forceps are perfectly equipped for any task with different jaw sections: with a smooth or a toothed cutting edge and with or without a spike. The jaw section can be precisely controlled and opened at a wide angle.

GRIP IN A COMFORT- OR ECO-VERSION

With the grip of the forceps, the jaw section is perfectly under control. It offers you precise guidance even with sharply angled endoscopes. The soft, anti-slip rubber coating handle makes work safe and pleasant. Two different handles are available:

The comfort-version with the soft antiskid rubber makes handling safe and convenient to the eco-version with the plastic handle.





HIGH QUALITY COATING

A choice of an uncoated and coated metal coil is available. Additional markings are provided on the coating to facilitate orientation during use.

RAPID IDENTIFICATION

The forceps components have different colour codes for quick identification and choice of application field.

Handle:

- white – toothed cutting edge
- grey – smooth cutting edge

Jaw section protective cap:

- red – with spike
- yellow – without spike

Coating:

- grey – bronchial forceps
Ø 1.8 mm, 120 cm long
- yellow – paediatric forceps
Ø 1.8 mm, 180 cm long
- orange – gastric forceps
Ø 2.3 mm, 180 cm long
- blue – colon forceps
Ø 2.3 mm, 230 cm long
- orange or blue – macro forceps
Ø 3.0 mm, 180 und 230 cm long



SPECIFICATIONS

REF	Ø mm	Length mm	Spike	Covering	Jaw
MACRO FORCEPS					
NBF01-01030180	3.0	1800	No	Without	Standard
NBF01-01030230	3.0	2300	No	Without	Standard
NBF01-01130180	3.0	1800	Yes	Without	Standard
NBF01-01130230	3.0	2300	Yes	Without	Standard
NBF03-01030180	3.0	1800	No	Orange	Standard
NBF03-01030230	3.0	2300	No	Blue	Standard
NBF03-01130180	3.0	1800	Yes	Orange	Standard
NBF03-01130230	3.0	2300	Yes	Blue	Standard
TRUBITE					
EBF51-11023180	2.3	1800	No	Without	Standard
EBF51-11023230	2.3	2300	No	Without	Standard
EBF51-11123180	2.3	1800	Yes	Without	Standard
EBF51-11123230	2.3	2300	Yes	Without	Standard
EBF53-11023180	2.3	1800	No	Orange	Standard
EBF53-11023230	2.3	2300	No	Blue	Standard
EBF53-11123180	2.3	1800	Yes	Orange	Standard
EBF53-11123230	2.3	2300	Yes	Blue	Standard

REF	Ø mm	Length mm	Span width jaw mm	Jaw Ø mm	Spike	Covering	Jaw
TECHBITE™							
EBF33-11018120	2.0	1200	4.5	1.8	No	Grey	Standard
EBF33-11018180	2.0	1800	4.5	1.8	No	Orange	Standard
EBF33-11018230	2.0	2300	4.5	1.8	No	Blue	Standard
EBF33-11023120	2.8	1200	6.7	2.3	No	Grey	Standard
EBF33-11023180	2.8	1800	6.7	2.3	No	Orange	Standard
EBF33-11023230	2.8	2300	6.7	2.3	No	Blue	Standard
EBF33-11123120	2.8	1200	6.7	2.3	Yes	Grey	Standard
EBF33-11123180	2.8	1800	6.7	2.3	Yes	Orange	Standard
EBF33-11123230	2.8	2300	6.7	2.3	Yes	Blue	Standard
EBF43-11018120	2.0	1200	4.5	1.8	No	Grey	Serrated
EBF43-11018180	2.0	1800	4.5	1.8	No	Orange	Serrated
EBF43-11018230	2.0	2300	4.5	1.8	No	Blue	Serrated
EBF43-11023120	2.8	1200	6.7	2.3	No	Grey	Serrated
EBF43-11023180	2.8	1800	6.7	2.3	No	Orange	Serrated
EBF43-11023230	2.8	2300	6.7	2.3	No	Blue	Serrated
EBF43-11123120	2.8	1200	6.7	2.3	Yes	Grey	Serrated
EBF43-11123180	2.8	1800	6.7	2.3	Yes	Orange	Serrated
EBF43-11123230	2.8	2300	6.7	2.3	Yes	Blue	Serrated

Packaging unit: 10 pieces

Also available as hot-biopsy-forceps





CYTOLOGY BRUSHES

THE SOLUTION FOR EASY AND SAFE CYTOLOGIC SMEARS

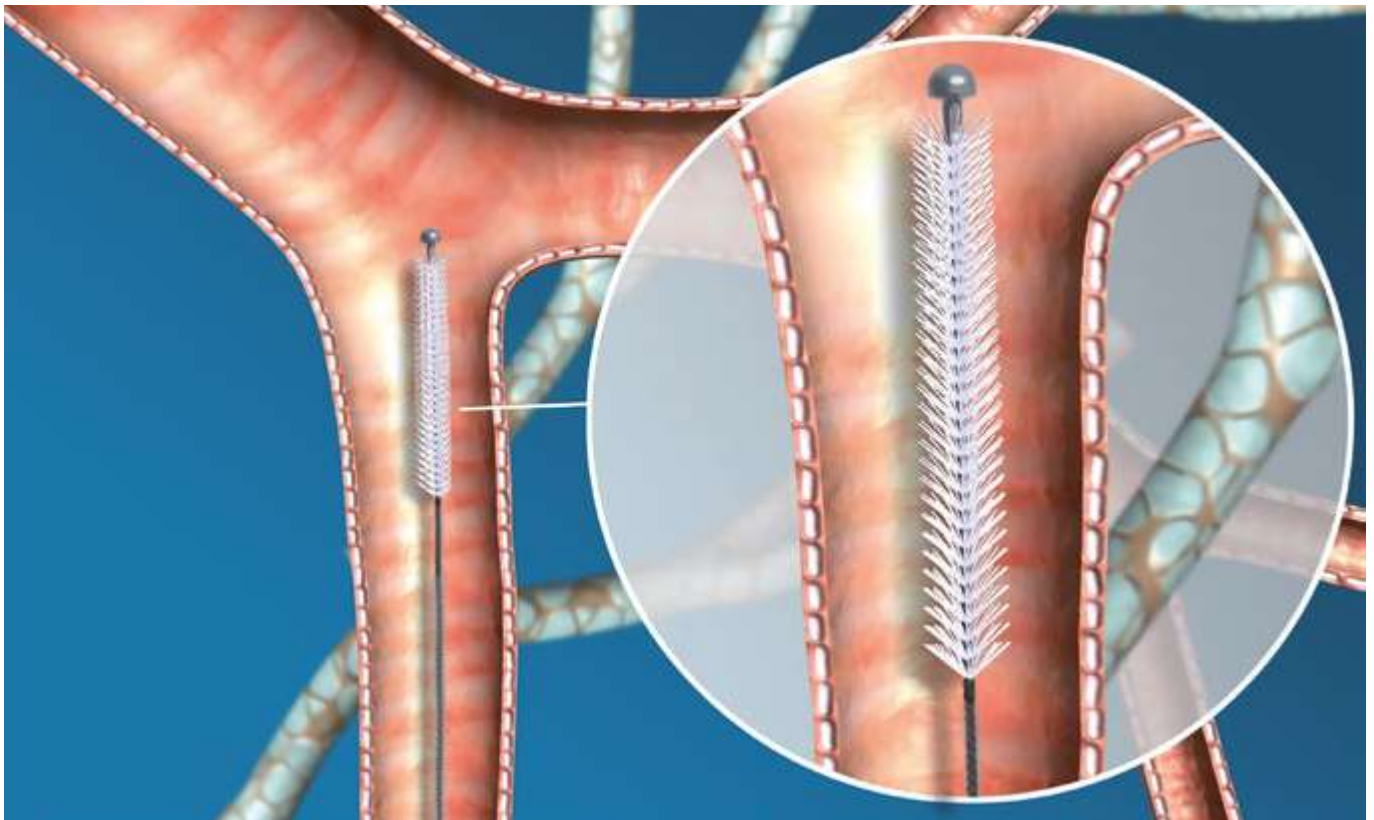
One established method of acquiring cell specimens consists of taking cytologic smears with cytology brushes: MICRO-TECH makes cytologic smearing efficient and safe, owing to a series of cytology brushes which are especially adapted to clinical requirements. The MICRO-TECH cytology brush can be push forward

easily to the desired site through the endoscope. The thin bristles enable a tissue-sparing cytologic smear. The plastic tube and the distal ball for closure protect the tissue sample when the device is retracted. A potential contamination of the sample or even a loss of sample is thus excluded.

SPECIFIC CHARACTERISTICS

- Thin bristles for an optimal collection of cells
- Includes a plastic tube and a metal “ball shaped” head for tight closure
- For endoscopes with a minimum working channel diameter of 2.0 mm
- Sterile single packaging





SAFE AND CONTROLLED INTRODUCTION

By using MICRO-TECH cytology brushes, you can access lesions that are hard to reach, easily and safely. The ergonomically shaped 3-ring handle also gives the user a secure and comfortable grip. Every movement is conveyed to the brush head, directly and with precision.



Ergonomically handle

COMPREHENSIVE RANGE OF PRODUCTS

MICRO-TECH offers a great variety of cytology brush models which are suited for many application fields and comply with clinical specifications.

SPECIFICATIONS

REF	Brush Ø mm	Length mm	Catheter Ø mm
SINGLE-USE CYTOLOGY BRUSH			
CYB-24S-12C	2.4	1200	1.8
CYB-30S-12C	3.0	1200	1.8
CYB-30S-24C	3.0	2400	2.3
CYB-40S-12C	4.0	1200	1.8
CYB-40S-24C	4.0	2400	2.3

Packaging unit: 20 pieces





HOT BIOPSY FORCEPS

REMOVE BIOPSIES AND STOP BLEEDING

MICRO-TECH unites several therapeutic working steps with its practical 2-in-1 solution. On one hand, the hot biopsy forceps serve as conventional hot forceps, removing small colonic polyps precisely and safely in active mode while taking diagnostically conclusive tissue samples in non-active mode. On the other hand, they serve as an

urgent measure for stopping bleeding, since the smallest lesions can be closed again at any time via coagulation. In this respect, MICRO-TECH's hot biopsy forceps suitability for treating patients with increased risk of bleeding is unparalleled.

SPECIFIC CHARACTERISTICS

- Very comfortable to use
- High quality riveted scissors joints
- Puncture-proof PTFE insulation
- 3-ring handle with Olympus-HF-connection
- Excellent cutting properties



HF-connection



Scissors joint



SUCCESSFUL IN PRACTICAL USE

The hot biopsy forceps from MICRO-TECH are particularly suitable for use in patients with an increased risk of bleeding. If bleeding occurs during tissue sampling or polyp removal, this can be treated immediately and stopped via coagulation current.



Hot biopsy forceps in endoscopic use



TARGET-ORIENTED USE OF POWER

The 3-ring handle is equipped with a universal HF-connection for safe and controlled power supply. The PTFE insulation of the metal coil is impact-resistant and prevents current conductive contact with the tissue.

SPECIFICATIONS

REF	Ø mm	Length mm	Spike	Insulated	Jaw
HOT-BIOPSY FORCEPS WITH COATING					
HBF05-11018120	1.8	1200	No	Yes	Standard
HBF05-11018180	1.8	1800	No	Yes	Standard
HBF05-11023180	2.3	1800	No	Yes	Standard
HBF05-11023230	2.3	2300	No	Yes	Standard

Packaging unit: 10 pieces

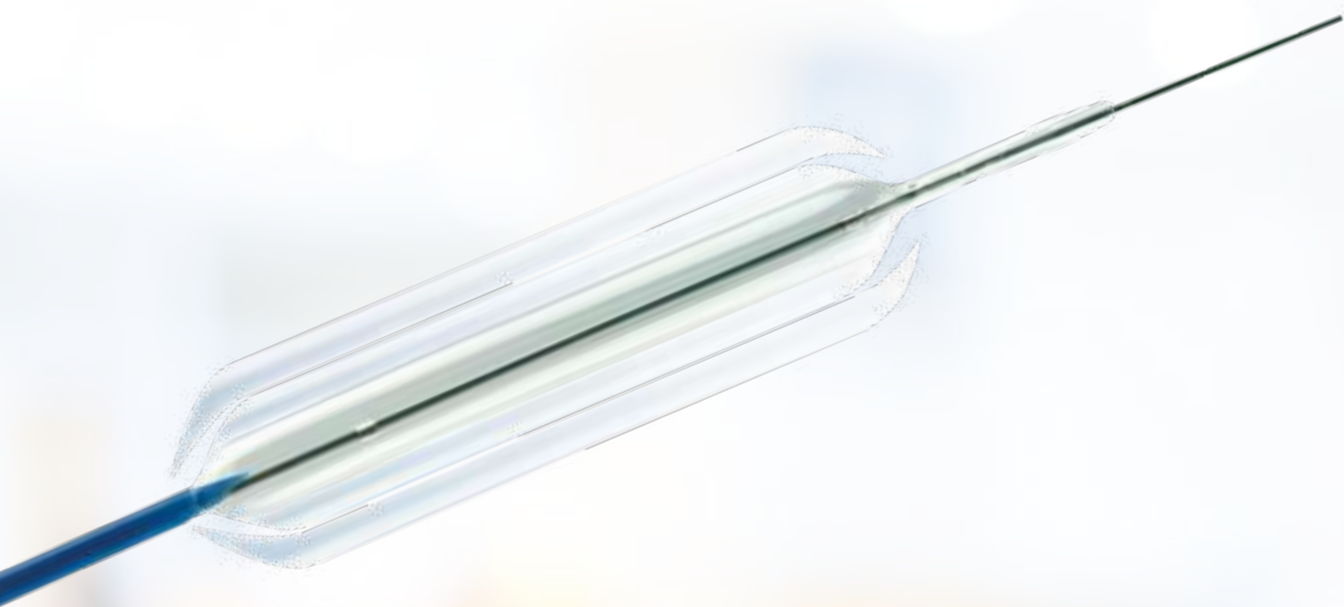




DILATION
BALLOONS AND WIRES

YOUR TRUSTED PARTNER IN ENDOSCOPY





MULTI-STAGE DILATION BALLOONS

THREE DIAMETERS, ONE BALLOON

The multi-stage dilation balloon from MICRO-TECH facilitates simple and reliable dilation of stenoses. Each balloon can be expanded to three different, fixed diameters for progressive dilation of stenosis in three pre-defined stages. The pressure is distributed evenly over the entire working length of the balloon at every diameter. The

rounded tips enable a good endoscopic view of the stenosis, even during dilation, ensuring controlled, safe intervention and good therapeutic success. Thanks to the preloaded stiffed wire with its flexible, hydrophilic, radiopaque tip, the balloons are readily introduced and are then rapidly deflated after successful dilation.

SPECIFIC CHARACTERISTICS

- Three different diameters with three separate pressure levels
- 2 X-ray markers on opposite ends to indicate the exact working length of the balloon
- Rounded Balloon shoulders for clear endoscopic view of the balloon's distal end
- Conical, atraumatic catheter tip
- Preloaded stiffed wire with hydrophilic, radiopaque tip



Separate openings for stiffed wire and insufflation



SINGLE-USE INFLATION-INSTRUMENT

Sturdy construction and an ergonomic handle for easy control. With quick-lock mechanism for one-handed deflation, even under full pressure. The clear cylinder and the easy to read scale allow for a close look at the content and the amount. The exact gauge guarantees reliable pressure measurement.



SPECIFICATIONS

REF	Content ml air/liquid	Max. pressure ATM	Feature		
SINGLE-USE INFLATION-INSTRUMENT					
BID-15-60-01	60	15	3-way-stopcock		
REF	Balloon Ø mm	Balloon 3-stagedilation pressure (atm)	Balloon length mm	Catheter Ø fr.	Catheter length mm
MULTI-STAGE DILATION BALLOONS					
MBD-AS-BB-2	6 / 7 / 8	3 / 6 / 10	30	7	2300
MBD-AM-BA-2	6 / 7 / 8	3 / 6 / 10	55	7	1800
MBD-AM-BB-2	6 / 7 / 8	3 / 6 / 10	55	7	2300
MBD-AL-BA-2	6 / 7 / 8	3 / 6 / 10	80	7	1800
MBD-BS-BB-2	8 / 9 / 10	3 / 5.5 / 9	30	7	2300
MBD-BM-BA-2	8 / 9 / 10	3 / 5.5 / 9	55	7	1800
MBD-BM-BB-2	8 / 9 / 10	3 / 5.5 / 9	55	7	2300
MBD-BL-BA-2	8 / 9 / 10	3 / 5.5 / 9	80	7	1800
MBD-CS-BB-2	10 / 11 / 12	3 / 5 / 8	30	7	2300
MBD-CM-BA-2	10 / 11 / 12	3 / 5 / 8	55	7	1800
MBD-CM-BB-2	10 / 11 / 12	3 / 5 / 8	55	7	2300
MBD-CL-BA-2	10 / 11 / 12	3 / 5 / 8	80	7	1800
MBD-DS-BB-2	12 / 13.5 / 15	3 / 4.5 / 8	30	7	2300
MBD-DM-BA-2	12 / 13.5 / 15	3 / 4.5 / 8	55	7	1800
MBD-DM-BB-2	12 / 13.5 / 15	3 / 4.5 / 8	55	7	2300
MBD-DL-BA-2	12 / 13.5 / 15	3 / 4.5 / 8	80	7	1800
MBD-EM-BA-2	15 / 16.5 / 18	3 / 4.5 / 7	55	7	1800
MBD-EM-BB-2	15 / 16.5 / 18	3 / 4.5 / 7	55	7	2300
MBD-EL-BA-2	15 / 16.5 / 18	3 / 4.5 / 7	80	7	1800
MBD-FM-BA-2	18 / 19 / 20	3 / 4.5 / 6	55	7	1800
MBD-FM-BB-2	18 / 19 / 20	3 / 4.5 / 6	55	7	2300
MBD-FL-BA-2	18 / 19 / 20	3 / 4.5 / 6	80	7	1800

Packaging unit: 1 piece / suitable for guide wires with 0.035"





DILATION BALLOONS

SIMPLY EXPAND RELIABLY AND EFFECTIVELY

The dilation balloons from MICRO-TECH stand for maximum quality. MICRO-TECH produces all the dilation balloons itself – using state-of-the-art European and American production technology. Two x-ray markings indicate the exact working length of the balloon, thereby ensuring its precise positioning. Under application of pressure, the

balloon is rapidly filled to acquire its predefined expansion width. Furthermore, the high-pressure design ensures the balloon retains its shape over the entire working length, thereby allowing optimum dilation success. All balloons are available as TTS (through-the-scope) systems up to a diameter of 18 mm and a catheter length of 1800 mm.

SPECIFIC CHARACTERISTICS

- Dimensionally stable high pressure design
- 2 X-ray markers on opposite ends to indicate the exact working length of the balloon
- Separate guide wire and insufflation lumens
- Conical shaped catheter tip
- Rapid expansion
- Constant dilation over the entire length
- Guide-wire compatible up to 0.035 inches



X-ray marking

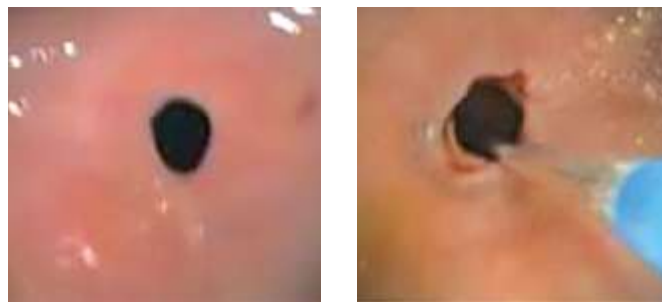


Conical tip



SUCCESSFUL IN PRACTICAL USE

Stenoses are effectively dilated using the MICRO-TECH dilation balloons. The balloon dilates the stenosis safely and gently and prepares the area to be treated in an optimum manner. The uniform distribution of pressure over the entire working length of the balloon and the outstanding dimensional stability during dilation guarantee excellent therapeutic success over the entire length of the stenosis.



Endoscopic control during dilation therapy

SPECIFICATIONS

REF	Balloon Ø mm	Balloon length mm	Catheter Ø fr.	Catheter length mm	Channel Ø mm	Application
TTS – DILATION BALLOONS						
BDC-8/55-7/18	8	55	7	1800	2.8	Oesophagus/Bile duct
BDC-8/55-7/24	8	55	7	2400	2.8	Pylorus/Colon
BDC-10/55-7/18	10	55	7	1800	2.8	Oesophagus/Bile duct
BDC-10/55-7/24	10	55	7	2400	2.8	Pylorus/Colon
BDC-12/55-7/18	12	55	7	1800	2.8	Oesophagus
BDC-12/55-7/24	12	55	7	2400	2.8	Pylorus/Colon
BDC-16/55-7/18	16	55	7	1800	2.8	Oesophagus
BDC-16/55-7/24	16	55	7	2400	2.8	Pylorus/Colon
BDC-18/55-7/18	18	55	7	1800	2.8	Oesophagus
BDC-18/55-7/24	18	55	7	2400	2.8	Pylorus/Colon
BDC-20/55-7/18	20	55	7	1800	4.2	Oesophagus
BDC-20/55-7/24	20	55	7	2400	4.2	Pylorus/Colon
BDC-12/80-7/18	12	80	7	1800	2.8	Oesophagus
BDC-12/80-7/24	12	80	7	2400	2.8	Pylorus/Colon
BDC-16/80-7/18	16	80	7	1800	2.8	Oesophagus
BDC-16/80-7/24	16	80	7	2400	2.8	Pylorus/Colon
BDC-18/80-7/18	18	80	7	1800	2.8	Oesophagus
BDC-18/80-7/24	18	80	7	2400	2.8	Pylorus/Colon
BDC-20/80-7/18	20	80	7	1800	4.2	Oesophagus
BDC-20/80-7/24	20	80	7	2400	4.2	Pylorus/Colon
ACHALASIE-BALLOONS						
BDC-26/80-7/10	26	80	7	1000	–	Achalasie
BDC-30/80-7/10	30	80	7	1000	–	Achalasie
BDC-34/80-7/10	34	80	7	1000	–	Achalasie
FIXED WIRE BALLOONS						
FWB-06/80-6/18-M	6-7-8	80	6	1800	2.8	Upper/lower GI
FWB-08/80-6/18-M	8-9-10	80	6	1800	2.8	Upper/lower GI
FWB-10/80-6/18-M	10-11-12	80	6	1800	2.8	Upper/lower GI
FWB-12/80-6/18-M	12-13.5-15	80	6	1800	2.8	Upper/lower GI
FWB-15/80-6/18-M	15-16.5-18	80	6	1800	2.8	Upper/lower GI
FWB-18/80-6/18-M	18-19-20	80	6	1800	2.8	Upper/lower GI

Packaging unit: 1 piece / suitable for guide wires with 0.035"





GUIDE WIRES

THE RELIABLE CHOICE FOR STENT PLACEMENT AND ERCP

All guide wires are manufactured out of bending-resistant and torsion-proof Nitinol. Their hydrophilic coated tips, allow the wires to safely find their way even into areas and stenoses which are hard to reach. This is supported by the wire's high rigidity and controllability. Hence the guide wires are not only meant for sophisticated stent place-

ments, but are also perfectly suited for ERCP. The high radiopacity of the flexible hydrophilic tip facilitates exact stent placement under visual radiological control. The Eco-series from MICRO-TECH is characterized by a very good price-performance ratio.

SPECIFIC CHARACTERISTICS

- Non-kinking nitinol wire
- High level of rigidity and guidability
- Hydrophilic, atraumatic tip
- Working length: 4500 mm
- High level of radiopacity



SUCCESSFUL IN PRACTICAL ROUTINE WORK

Bending resistance and rigidity account for the very good feeding properties of guide wires. In daily applications they convince by their precision, which is primarily guaranteed by the efficient transmission of the rotatory and translatory motion all the way to the tip of the wire, as applied by the surgical assistant. This makes it possible to reach into even anatomically difficult passages with ease. In addition, the tip of each wire can be perfectly seen in the X-ray control image, allowing for optimal stent positioning.



Endoscopic view



X-ray

DISPENSER FOR EASY OPERATION

The wire can be easily ejected and retracted by means of this innovative dispenser. Owing to its compact design, the dispenser is handy and easy to operate. Rinsing the wire is also easy and fast when using the dispenser.



Dispenser guide wires

SPECIFICATIONS

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
ECO GUIDE WIRE						
MTN-BM-89/45-A	0.035"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/45-A-J	0.035"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/26-A	0.035"	2600	65	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/26-A-J	0.035"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A	0.025"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A-S	0.025"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A-J	0.025"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/26-A	0.025"	2600	65	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/26-A-J	0.025"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-53/45-A	0.021"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-45/45-A	0.018"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering

Packaging unit: 2 pieces





EUS
NEEDLES, WIRES AND STENTS





EUS-FNB TRIDENT™ NEEDLE

FOR TISSUE ARCHITECTURE

- Designed for cases when FNA is non-diagnostic or inadequate and tissue architecture is needed.
- Co-Cr alloy needle utilized for enhanced needle flexibility, durability and target accessibility.
- Unique Trident™ multi-blade three-prong tip facilitates histological quality tissue sampling.
- Innovative one-button adjusters for needle depth and sheath length provide easy and precise one-hand control.
- V-notch laser etched markings for enhanced needle echogenicity under ultrasound.
- Smooth sheath ensures pushability in angulated EUS endoscope as well as protection for the working channel.
- Compatible with the full range of EUS endoscopes.



Handgrip FNB Trident™ with red adjuster,
FNA-needle with blue adjuster



EUS-FNA AREUS PREMIUM NEEDLE

FOR DIAGNOSTIC AND THERAPEUTIC INTERVENTION

- Co-Cr alloy needle utilized for enhanced needle flexibility, durability, and target.
- Accessibility, designed for diagnostic and therapeutic intervention at challenging anatomies.
- V-notch laser etched markings for enhanced needle echogenicity under ultrasound.
- Innovative one-button adjusters for needle depth and sheath length provide easy and precise one-hand control.
- Smooth sheath ensures pushability in angulated EUS endoscope as well as protection for the working channel.
- Compatible with the full range of EUS endoscopes.



EUS-FNA AREUS ECO NEEDLE

FOR STANDARD EUS PUNCTURES

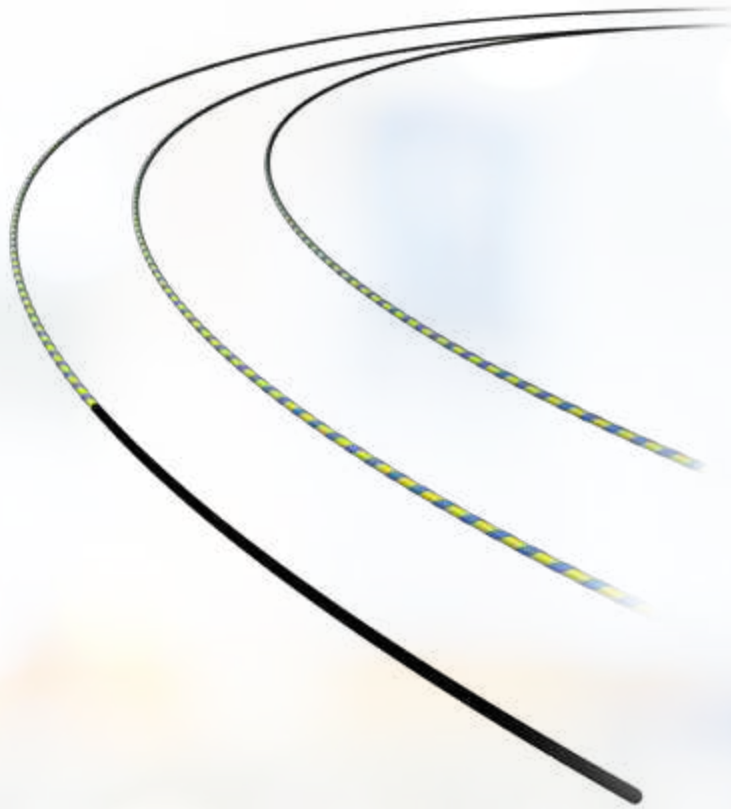
- Stainless steel needle ensures good needle flexibility, durability, and target accessibility for standard EUS punctures.
- Bevel tip facilitates quality tissue acquisition.
- Innovative one-button adjusters for needle depth and sheath length provide easy and precise one-hand control.
- Sandblasting needle treatment technology delivers clearneedle echogenicity.
- Smooth sheath ensures pushability in angulated EUS endoscope as well as protection for the working channel.
- Compatible with the full range of EUS endoscopes.
- The EUS-FNA Areus ECO needle combines good functionality and operating efficiency in standard EUS procedures.



SPECIFICATIONS

REF	Needle Ø Gauge	Sheath Ø mm	Maximum needle length mm	Needle material	Channel size Ø mm	Working length mm
EUS-FNB TRIDENT™ NEEDLE (CO-CR ALLOY)						
EUS-25-1-N	25	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-22-1-N	22	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-19-1-N	19	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-FNA AREUS PREMIUM NEEDLE (CO-CR ALLOY)						
EUS-25-0-N	25	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-22-0-N	22	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-19-0-N	19	1.8	80	Co-Cr Alloy	≥2.8	1375 ~ 1415
EUS-FNA AREUS ECO NEEDLE (SANDBLASTED)						
EUS-25-0	25	1.8	80	Stainless steel	≥2.8	1375 ~ 1415
EUS-22-0	22	1.8	80	Stainless steel	≥2.8	1375 ~ 1415
EUS-19-0	19	1.8	80	Stainless steel	≥2.8	1375 ~ 1415





GUIDE WIRES

THE RELIABLE CHOICE FOR STENT PLACEMENT AND EUS

All guide wires are manufactured out of bending-resistant and torsion-proof Nitinol. Their hydrophilic coated tips, allow the wires to safely find their way even into areas and stenoses which are hard to reach. This is supported by the wire's high rigidity and controllability. Hence the guide wires are not only meant for sophisticated stent

placements, but are also perfectly suited for EUS. The high radiopacity of the flexible hydrophilic tip facilitates exact stent placement under visual radiological control. The Eco-series from MICRO-TECH is characterized by a very good price-performance ratio.

SPECIFIC CHARACTERISTICS

- Non-kinking nitinol wire
- High level of rigidity and guidability
- Hydrophilic, atraumatic tip
- Working length: 4500 mm
- High level of radiopacity



SUCCESSFUL IN PRACTICAL ROUTINE WORK

Bending resistance and rigidity account for the very good feeding properties of guide wires. In daily applications they convince by their precision, which is primarily guaranteed by the efficient transmission of the rotatory and translatory motion all the way to the tip of the wire, as applied by the surgical assistant. This makes it possible to reach into even anatomically difficult passages with ease. In addition, the tip of each wire can be perfectly seen in the X-ray control image, allowing for optimal stent positioning.



Endoscopic view



X-ray

DISPENSER FOR EASY OPERATION

The wire can be easily ejected and retracted by means of this innovative dispenser. Owing to its compact design, the dispenser is handy and easy to operate. Rinsing the wire is also easy and fast when using the dispenser.



Dispenser guide wires

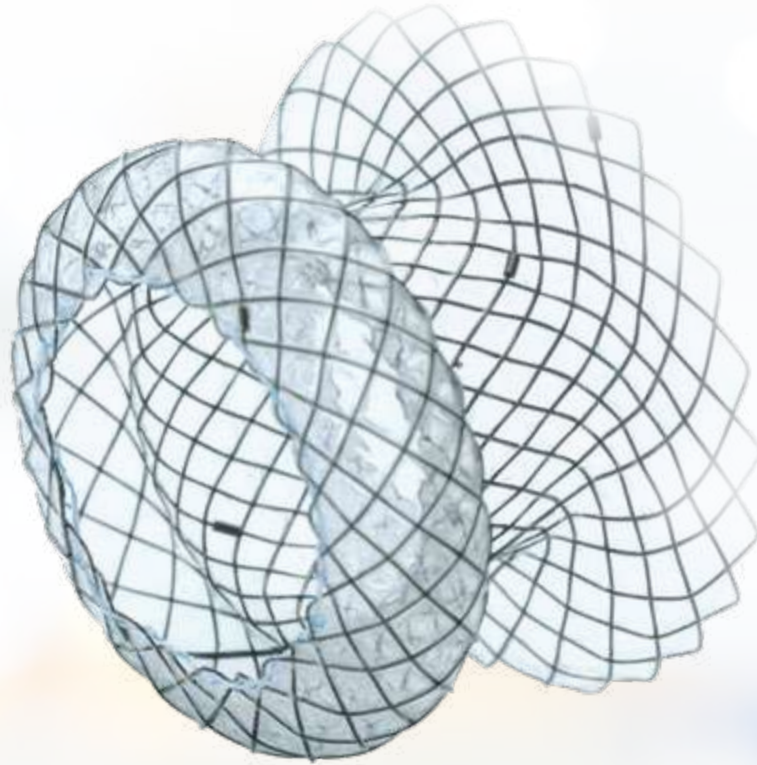
SPECIFICATIONS

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
ECO GUIDE WIRE						
MTN-BM-89/45-A	0.035"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/45-A-J	0.035"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A	0.025"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-63/45-A-J	0.025"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-53/45-A	0.021"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-45/45-A	0.018"	4500	60	straight	hydrophilic, radiopaque	blue-yellow covering

Packaging unit: 2 pieces

0.035 Ø inches guide wires can only be used for needles in 19 Ø gauge





PSEUDOCYST STENT (GEN-II)

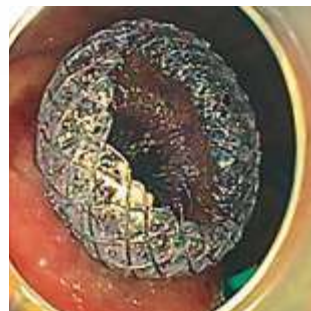
SECURE HOLD FOR RELIABLE DRAINAGE

The Pancreatic pseudocyst stent is used for reliable drainage of endoscopically removed concretions. The design of the stent with its distal umbrella and proximal tulip shapes, ensures that during an eventual migration a dislocation would only occur into the stomach and not into the cyst. The large diameter of 16 mm in the middle of the

stent allows for endoscopic removal of concretions. The 10.5 French TTS (through-the-scope) insertion system is brought into position through the working channel of the endoscope with the aid of a guide wire. When the stent is released, 4 radiopaque markers at each end of the stent guarantee excellent identification on radiological images.

SPECIFIC CHARACTERISTICS

- Stent with complete silicone covering
- High degree of positional stability
- Atraumatic tips
- High level of radial force
- Tantalum radiomarkers
- Guide wire passage up to 0.035 inches
- TTS insertion system with 3.5 mm diameter, 1,800 mm length, two x-ray markings, rinsing attachment and lock to secure the introducer set during transport, storage and insertion



Transgastric access from stomach into pseudocyst



SPECIFICATIONS

REF	Ø centre mm	End Ø mm proximal/distal	Total length mm	Covering mm	End design proximal-distal	System length mm	System Ø mm
PSEUDOCYST STENT							
NST33-544-16.015	16	26/30	15	15	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.020	16	26/30	20	20	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.025	16	26/30	25	25	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.030	16	26/30	30	30	mushroom-umbrella	1800	3.5 (=10.5F)

	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM	3.5/10.5	1800	0.035 inch	2	Yes	Yes

Recommended guide wire: 600358-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent

REF	Tip length mm	Needle length mm	Partly insulated cutting wire	Preloaded guide wire	Ø working channel mm
NEEDLE KNIFE					
DSP-30505-121111	0	5	No	No	2.8
DSP-30505-121211	0	5	Yes	No	2.8
DSP-30507-121111	0	7	No	No	2.8
DSP-30507-121211	0	7	Yes	No	2.8





HEMOSTASIS

CLIPS, ENDOCLOT®, NEEDLES AND
LIGATION-SYSTEMS

YOUR TRUSTED PARTNER IN ENDOSCOPY





LOCKADO™

STRONGER HOLD, MORE CONTROL

LOCKADO™ developed by MICRO-TECH to stop bleeding more efficiently. The main reason for this is the increased compression pressure. Thanks to the improved locking force, the clip is also suitable for treating large lesions, defects and tumor tissue by providing a reliable grip. Ten teeth, six of which are positioned on the side of the clip, reinforce the hold. They ensure optimal inclusion and re-

tention of the tissue. Repeated positioning before clip final deployment enables more precision and flexibility. The clip segment protruding into the lumen is particularly short and thus reduces the risk of injuries to the opposing tissue. MICRO-TECH offers the LOCKADO™ in three different clip widths (8, 11 and 16 mm) to cover different needs and possible areas of application.

SPECIFIC CHARACTERISTICS

- Bleeding can be stopped quickly and in a targeted manner
- Increased compression force
- Ten teeth (six of them on the side of the clip) ensure an ideal grip
- Repositioning is possible before final deployment of the clip into place
- High degree of fixation due to better tissue adaptation
- Short clip segment reduces injuries to the surrounding tissue
- Precise control even in angled areas



Reliable fixation



Precise rotatability



Span of up to 16 mm

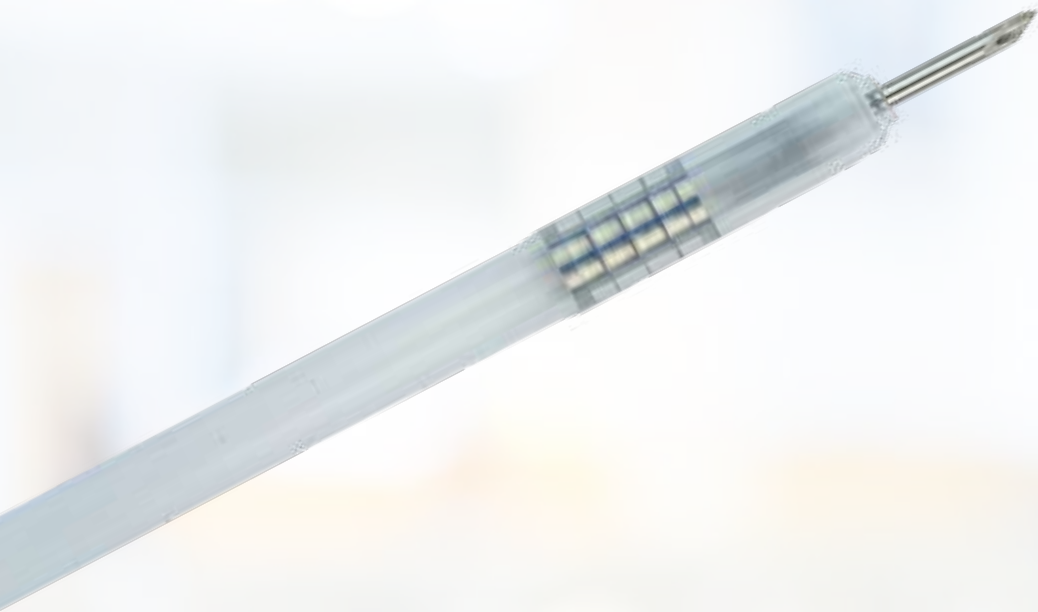


SPECIFICATIONS

REF	Clip max. span width mm	Length mm	Clip angle	Instrument Ø mm	Grip color	Covering
LOCKADO™						
LOCK-C-26-195-C	8	1950	135°	2,6	Pink	Pink
LOCK-C-26-230-C	8	2300	135°	2,6	Pink	Pink
LOCK-D-26-195-C	11	1950	135°	2,6	Blue	Blue
LOCK-D-26-230-C	11	2300	135°	2,6	Blue	Blue
LOCK-F-26-195-C	16	1950	135°	2,6	Yellow	Yellow
LOCK-F-26-230-C	16	2300	135°	2,6	Yellow	Yellow

Packaging unit: 10 pieces





INJECTION NEEDLE IN

RELIABLE AND SAFE TO THE TIP

The disposable MICRO-TECH's disposable injection needle facilitates clinical practice due to its ergonomic handle and especially sharp needle. The anti-skid design guarantees convenient control with just one hand. For

even more precise punctures the handle can be locked in several stages. When the needle is released, it snaps back into the catheter to avoid damage to the working channel.

SPECIFIC CHARACTERISTICS

- Ergonomic anti-slip handle
- Adjustable pressure pad
- Automatic needle-feed
- Soft, atraumatic silicone head
- Needle with extremely sharp, precision cut
- Different needle diameters
- LL needle connector



Needle completely retracted



Compact ergonomical design



SPECIFICATIONS

REF	Needle stroke mm	Needle Ø mm	Ø mm	Length mm
INJECTION NEEDLE				
IN12-195232302	5	19 G = 0.9 mm	2.3	2300
IN12-225232302	5	22 G = 0.7 mm	2.3	2300
IN12-255232302	5	25 G = 0.5 mm	2.3	2300

Packaging unit: 10 pieces





MULTIBAND LIGATION-SYSTEM

EASY, RELIABLE, LATEX FREE

The MICRO-TECH multiband ligating system is suitable for the effective treatment of bleedings in esophageal varices and anorectal hemorrhoids. The complete system is preloaded for 4 or 6 ligations and can be easily installed.

The silicone cap provides a clear view and a reliable suction of tissue. It is the only system also available in a latex-free variant, which significantly reduces the risk of an allergic reaction in sensitive patients.

SPECIFIC CHARACTERISTICS

- Easy assembly and handling
- Suitable for endoscopes of 9.4 to 14.0 mm in diameter
- For minimum working channels of 2.8 mm diameter
- With flush attachment
- Preloaded for 4/6 ligations
- Ligation-design with or without latex



Silicone cap with release thread



Latex cap with release thread

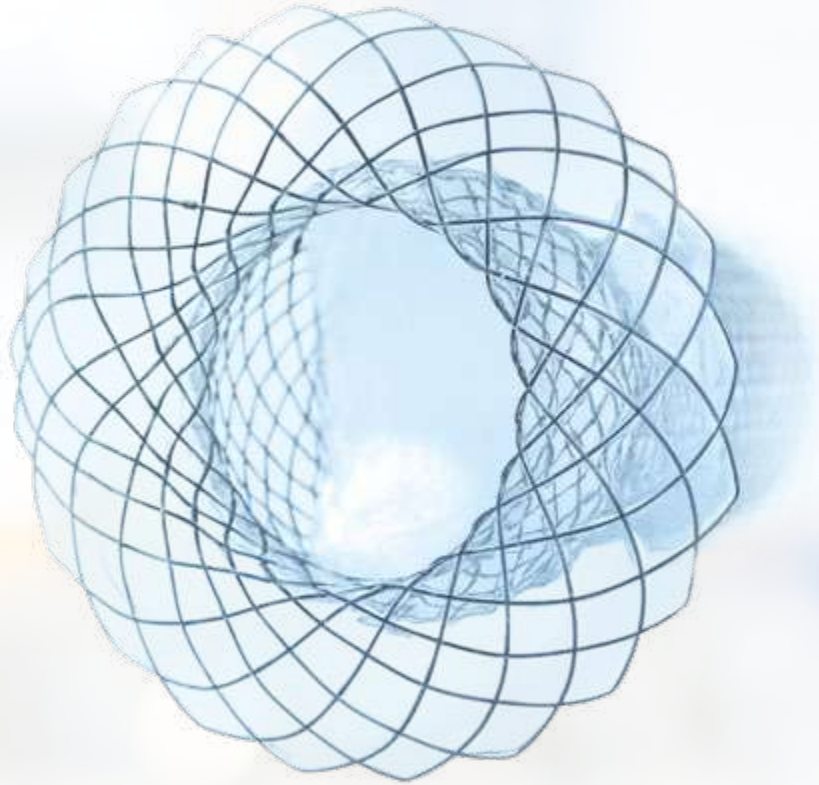


SPECIFICATIONS

REF	Soft cap Ø mm	Endoscope Ø mm	X-shooter	Thread length mm	Thread color
LATEX					
MBLS-6F	8.8	9.4 – 13.0	6	1450	Blue/transparent
MBLS-4F	8.8	9.4 – 13.0	4	1450	Blue/transparent
MBLS-XL-6F	9.8	11.0 – 14.0	6	1900	Blue/transparent
MBLS-XL-4F	9.8	11.0 – 14.0	4	1900	Blue/transparent
LATEX FREE					
MBLS-6F-NL	8.8	9.4 – 13.0	6	1450	Yellow/black
MBLS-4F-NL	8.8	9.4 – 13.0	4	1450	Yellow/black
MBLS-XL-6F-NL	9.8	11.0 – 14.0	6	1900	Yellow/black
MBLS-XL-4F-NL	9.8	11.0 – 14.0	4	1900	Yellow/black

Packaging unit: 1 piece, relay prices on request





NITINOL STENTS

GASTROINTESTINAL

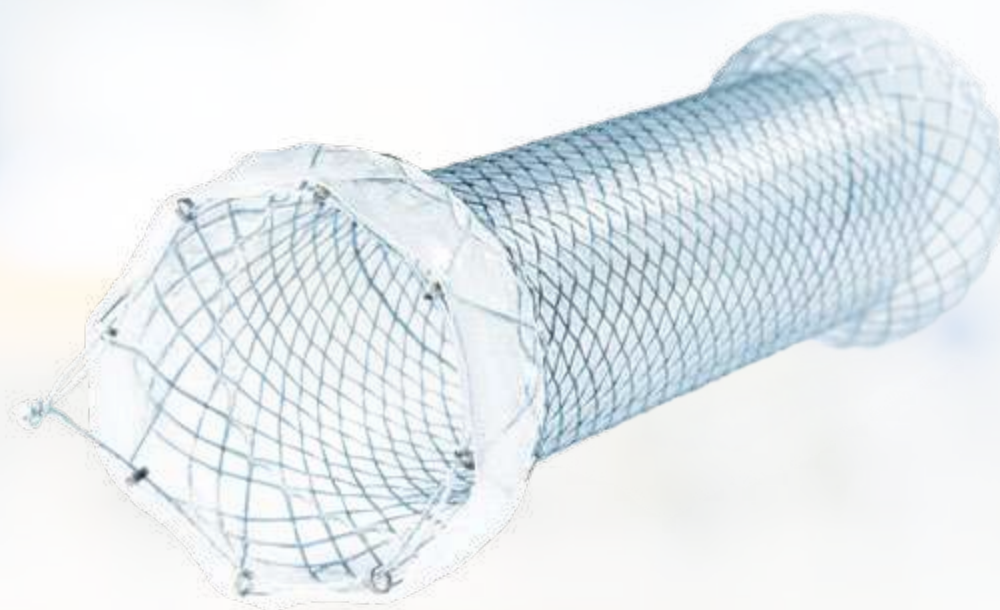
YOUR TRUSTED PARTNER IN ENDOSCOPY



NITINOL STENTS

Reliable bypassing of stenoses in the area of the digestive or respiratory tract places high expectations on a stent. As one of the leading international manufacturers,

MICRO-TECH more than meets such requirements with its innovative solutions. Rely on the utmost in quality and optimum positional stability.



SELF-EXPANDING STENTS

Every stent from the MICRO-TECH range is manufactured using high quality Nitinol wire. The “thermal memory effect” of Nitinol causes the released stent to unfold into its predetermined dimensions at body temperature. It therefore adapts to the anatomy and achieves the desired dilation of the stenosis in an optimum manner.

SIMPLE TO RELEASE

In order to make release of the stent as easy as possible, the stents are preloaded on an introducer. The system can be manipulated intuitively and effortlessly. With some stents you even have the opportunity to correct the positioning of the stent during implantation.



MANUFACTURED FROM ONE WIRE

MICRO-TECH Nitinol stents are - with the exception of the segmented stent - braided from one single wire. Therefore the risk of a stent fracture at connecting loops is almost impossible.

PRECISE POSITIONING VIA X-RAY MARKINGS

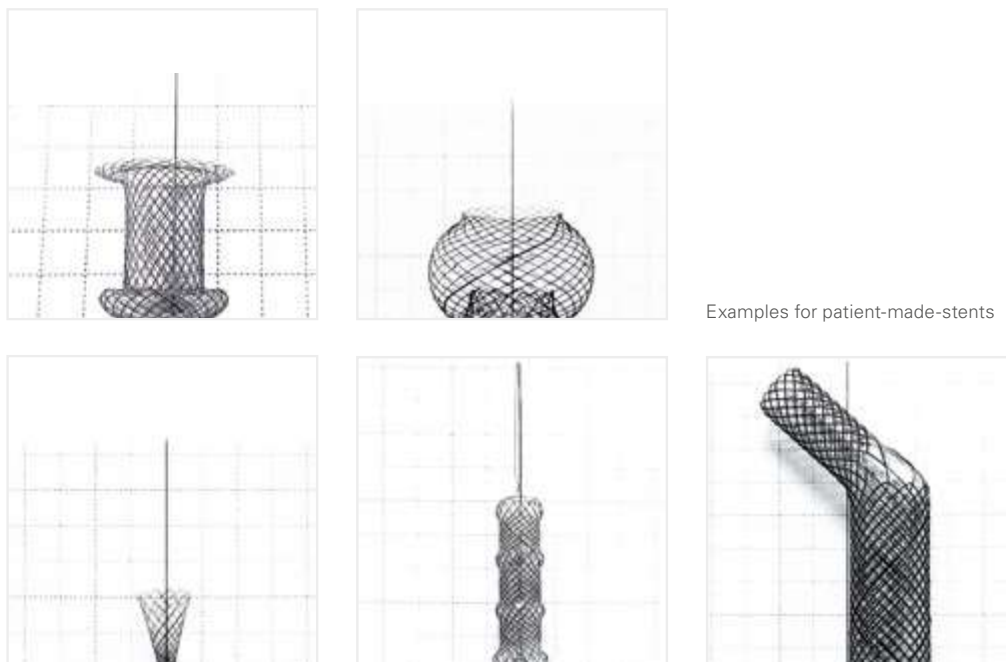
In order to allow you to position the stent precisely, additional X-ray markings are provided on the introducer and the stent, which can be easily distinguished under X-ray fluoroscopy. The excellent overall radiopacity of the stents further reinforces this effect.



X-ray markings

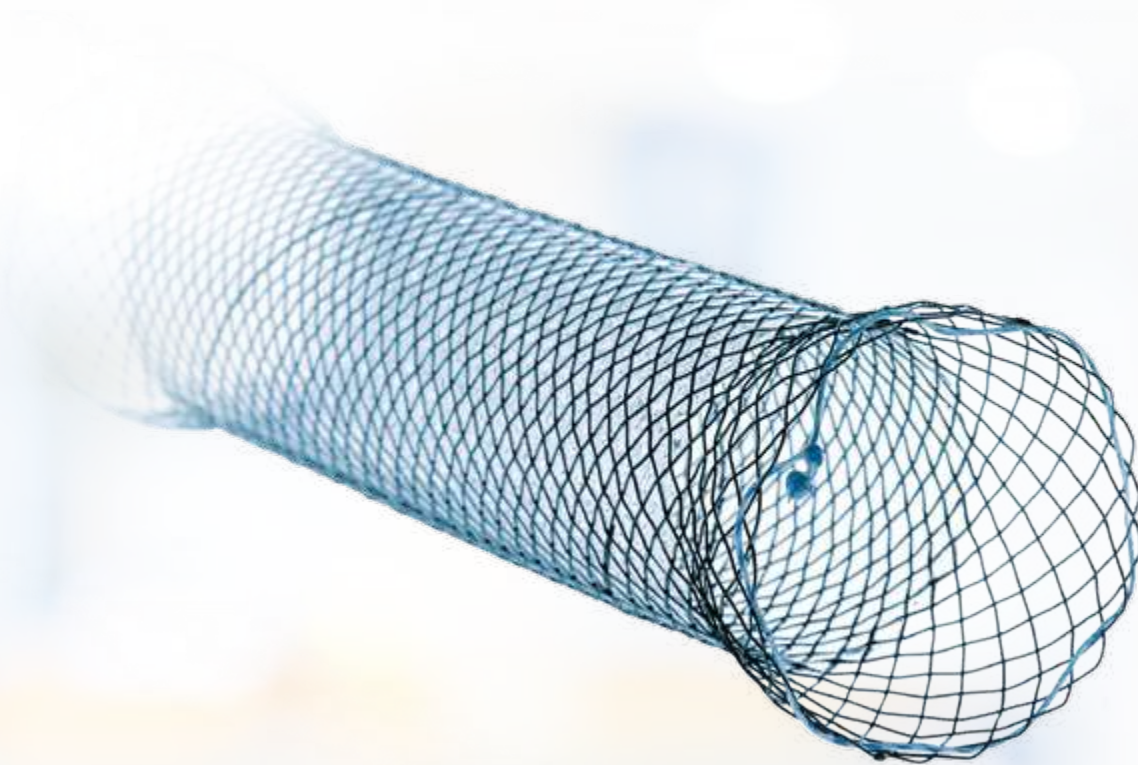
SPECIAL SIZES AND PATIENT-MADE STENTS

MICRO-TECH also supplies you with stents in special sizes in addition to stents in standard sizes. MICRO-TECH is the only manufacturer in the world to also develop individual productions specially adapted to your patients' anatomical requirements. The delivery usually only takes 10 working days.



Examples for patient-made-stents





OESOPHAGUS STENTS (GEN-I)

HIGHEST QUALITY FOR EVERY INDICATION

MICRO-TECH provides you with a comprehensive selection of self-expanding stents for bypassing oesophageal stenoses. The stents are characterised by very high flexibility and are available with and without covering. The

working diameter of the stent is 20, 24 or 28 mm while lengths vary of between 60 and 140 mm. Therefore, the optimum solution is always at hand for every indication.

SPECIFIC CHARACTERISTICS

- Self-expanding
- Nitinol mesh with atraumatic ends
- Excellent positional stability
- High radial force
- Resistant and elastic covering
- Fully covered stents available
- Parylene coated
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches

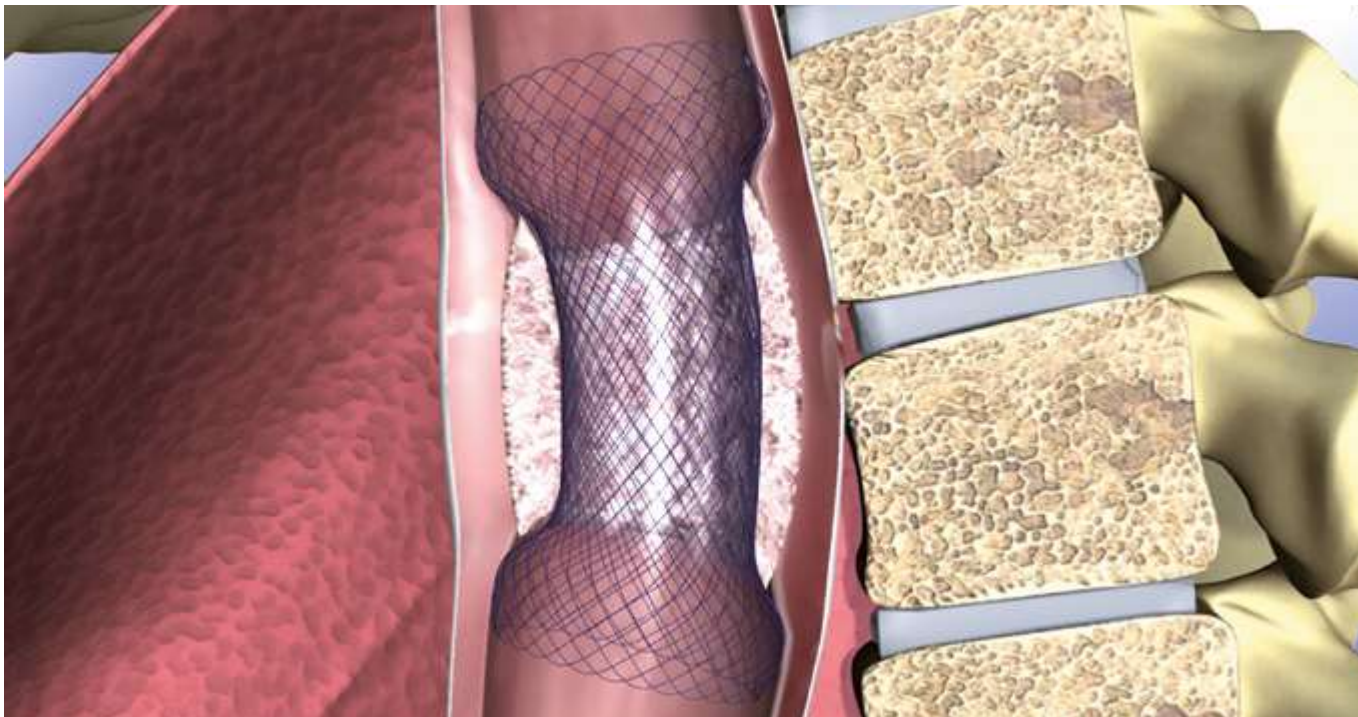


X-ray markings



Extraction thread

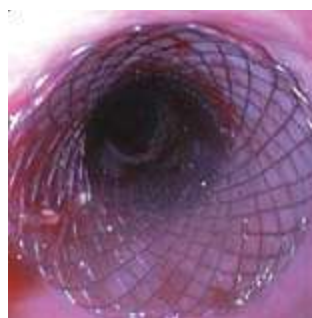




SUCCESSFUL IN PRACTICAL USE

The MICRO-TECH oesophagus stent has already proved its worth thousands of times in practice owing to its reliability, positional stability, excellent handling and the wide selection of lengths.

The stent adapts to the oesophageal wall in the best possible manner thanks to its atraumatic shape and high radial force. Furthermore, the stent possesses excellent radiopacity and can be positioned with good visibility and precision at significant points with the aid of the additional X-ray markings.



View of the proximal tulip



Released under X-ray



Control with contrast medium



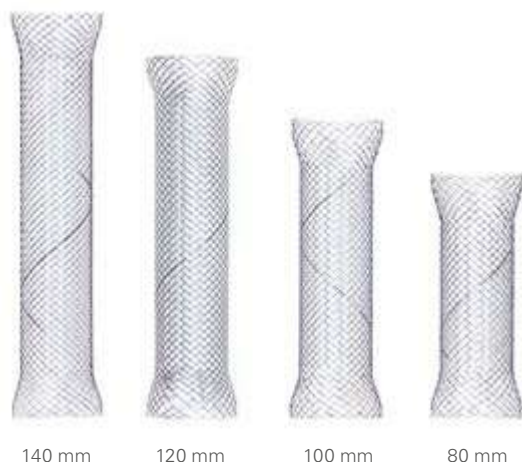
POSITIONALLY STABLE STENT DESIGN

The oesophagus stent is extremely positionally stable. Its self-expanding Nitinol wire adapts itself perfectly to the patient's anatomy and the atraumatic ends ensure a maximum hold.



DIAMETERS UP TO 28 MM

MICRO-TECH always offers you the appropriate solution with the oesophagus stent in three different diameters: 20, 24 or 28 mm in the central section. The stent end is 6 mm wider in each case.

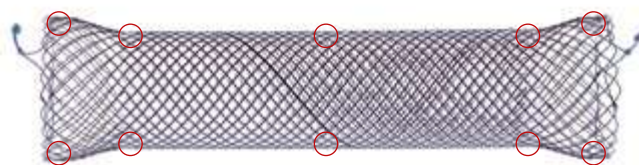


NUMEROUS STANDARD LENGTHS

Depending on the length of the site to be bypassed, you can resort to one of five standard lengths: short stents measuring 60 and 80 mm, medium lengths of 100 and 120 mm and long versions of 140 mm.

RADIOPAQUE MARKERS FOR SECURE INSERTION OF STENTS

All of our esophagus stents are equipped with up to 10 radiopaque markers. They are clearly visible under radiological control and thus enable a secure and precise stent release.



10 X-ray markers on all significant positions

WITH AND WITHOUT COVERING

Depending on the model, the stents have a protective covering. Choose between a complete covering from one stent end to the other, a partial covering in which the ends remain free and a cover-free stent.

POINT OF NO RETURN

A mark on the delivery system shows the "point of no return" at stent placement.



INTRODUCER FOR PRECISE RELEASE

All stents are preloaded on the easy-to-manipulate introducer, which allows rapid and precise stent release. The system also allows you to bring the stent into the desired position even when in the oral cavity during release.



SPECIFICATIONS

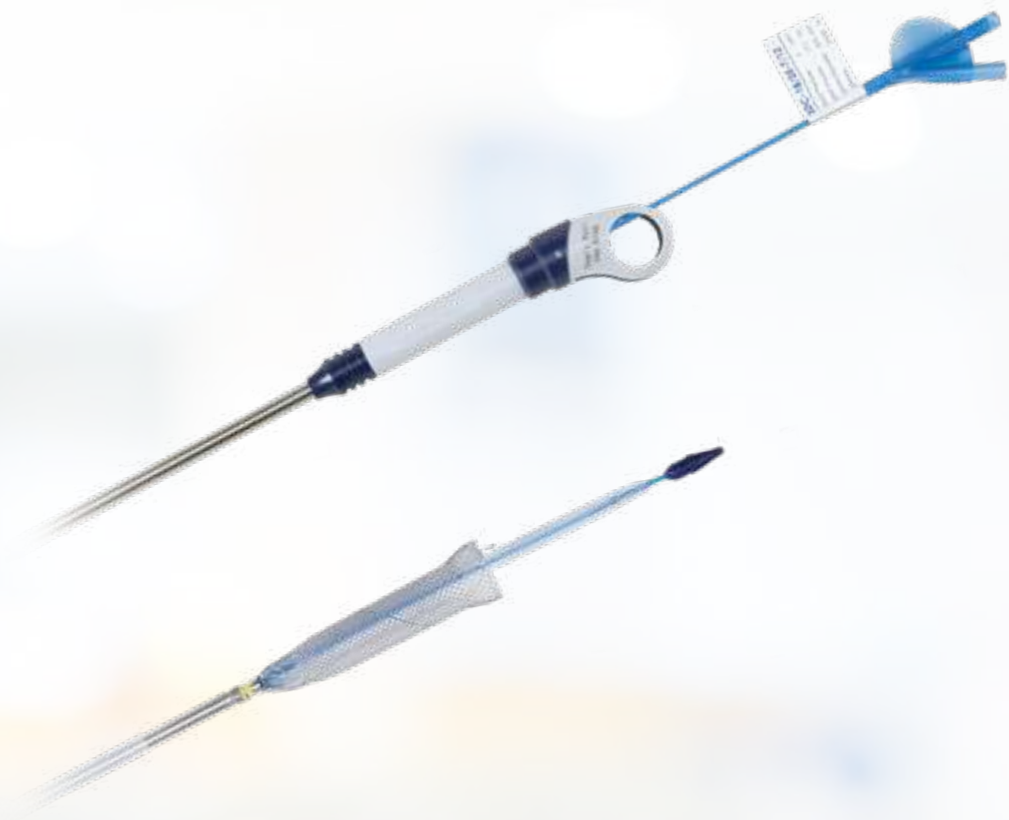
REF	Ø centre mm	Ø end mm	Length mm	Covering mm		
STENTS WITHOUT COVERING						
ST01-101.20.080	20	26	80	Without		
ST01-101.20.100	20	26	100	Without		
ST01-101.20.120	20	26	120	Without		
ST01-101.20.140	20	26	140	Without		
ST01-101.24.080	24	30	80	Without		
ST01-101.24.100	24	30	100	Without		
ST01-101.24.120	24	30	120	Without		
ST01-101.24.140	24	30	140	Without		
STENTS WITH PARTIAL COVERING						
ST01-102.20.060	20	26	60	30		
ST01-102.20.080	20	26	80	50		
ST01-102.20.100	20	26	100	70		
ST01-102.20.120	20	26	120	90		
ST01-102.20.140	20	26	140	110		
ST01-102.24.080	24	30	80	50		
ST01-102.24.100	24	30	100	70		
ST01-102.24.120	24	30	120	90		
ST01-102.24.140	24	30	140	110		
STENTS WITH END-TO-END COVERING						
ST01-103.20.060	20	26	60	60		
ST01-103.20.080	20	26	80	80		
ST01-103.20.100	20	26	100	100		
ST01-103.20.120	20	26	120	120		
ST01-103.20.140	20	26	140	140		
ST01-103.24.060	24	30	60	60		
ST01-103.24.080	24	30	80	80		
ST01-103.24.100	24	30	100	100		
ST01-103.24.120	24	30	120	120		
ST01-103.24.140	24	30	140	140		
ST01-103.28.100	28	34	100	100		
ST01-103.28.120	28	34	120	120		
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	8/24	700	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





ACCURASIS®

THE REVOLUTIONARY INTRODUCER SYSTEM: RETRIEVABLE AFTER 100% STENT RELEASE

An exact positioning of the stent is of greatest importance to ensure successful therapy. With its new generation of introducer systems, MICRO-TECH now sets new standards for highest precision. AccuraSIS® stands for “Accurate

Stent Introducer System” and enables a yet more exact and safe stent release. Via its innovative system the stent can completely be opened and resealed up to the proximal end. Thus, an exact positioning and release is possible.

SPECIFIC CHARACTERISTICS

- Precise and safe stent placement
- Integrated dilatation balloon
- Easy handling
- Enormous positioning stability
- Ergonomically shaped handles
- Stable stainless steel tension rod
- Radiopaque olive tip, easily introducible
- Minimum length reduction
- Extreme flexibility of the introducer system
- 10 radiopaque markers
- Calibration in cm on the metal coil



Handle with ergonomic design



Optimized olive tip for easy insertion



ERGONOMIC PRECISION DESIGN

The system can be comfortably handled owing to the optimized design of the handles. The new designed radio-paque olive tip is shaped in such a manner that it is ideally flush with the introducer catheter and safely harbors the pre-mounted stent inside the introducer catheter.

INTEGRATED DILATATION BALLOON

The in-built dilatation balloon measuring 14 mm in diameter additionally supports the expansion of the stent and can also be used for the purpose of pre-dilatating the stenosis. It also facilitates the removal of the introducer system in cases of very narrow strictures in which the olive would otherwise result in the dislocation of the stent or the examiner would have to accept a prolonged waiting period to safely remove the introducer system.



SPECIFICATIONS

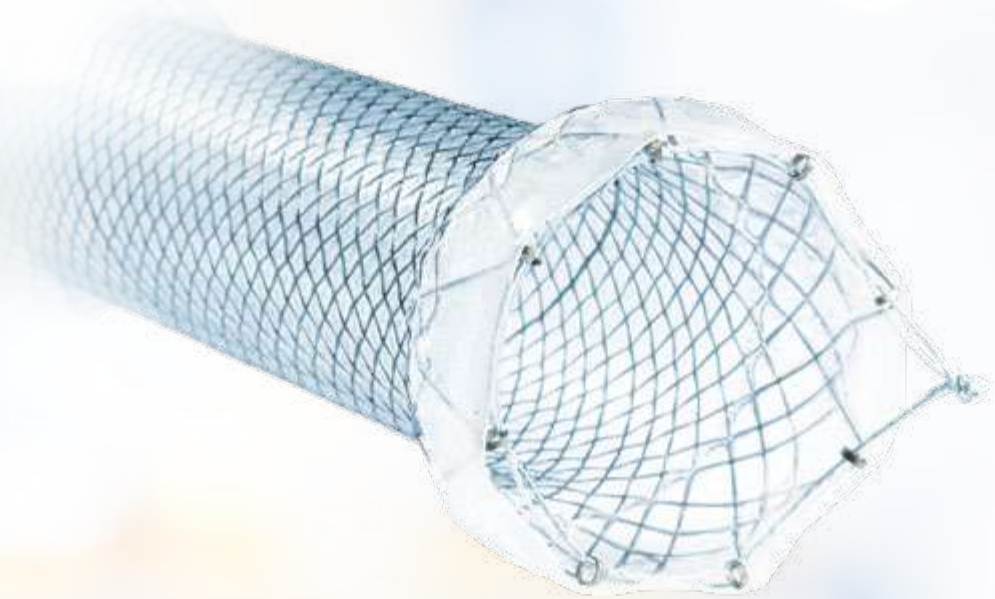
REF	Centre/end Ø mm	Length mm	RM* Stent/RM* Introducer system
INTRODUCER SYSTEM, PARTIAL SILICONE COVERING			
ST11-102.20.080	20/26	80	10 / 2
ST11-102.20.100	20/26	100	10 / 2
ST11-102.20.120	20/26	120	10 / 2
ST11-102.20.140	20/26	140	10 / 2
ST11-102.24.080	24/30	80	10 / 2
ST11-102.24.100	24/30	100	10 / 2
ST11-102.24.120	24/30	120	10 / 2
ST11-102.24.140	24/30	140	10 / 2
INTRODUCER SYSTEM, COMPLETE SILICONE COVERING			
ST11-103.20.080	20/26	80	10 / 2
ST11-103.20.100	20/26	100	10 / 2
ST11-103.20.120	20/26	120	10 / 2
ST11-103.20.140	20/26	140	10 / 2
ST11-103.24.080	24/30	80	10 / 2
ST11-103.24.100	24/30	100	10 / 2
ST11-103.24.120	24/30	120	10 / 2
ST11-103.24.140	24/30	140	10 / 2
ST11-103.28.100	28/34	100	10 / 2
ST11-103.28.120	28/34	120	10 / 2

Recommended guide wire: 600375-5 / Outer diameter of the integrated dilation balloon: 14 mm / Guide wire extractable 0.035 inch-GW /

Introduction-system 24 Fr/8 mm

*RM – radiopaque markings





SOFTCUP OESOPHAGUS STENT

INCREASED COMFORT FOR PATIENTS WITH HIGH-SEATED STENOSES

High-seated oesophageal stenoses place special demands on the stent. Stent positioning in this extremely sensitive area just under the pharynx can result in unpleasant irritative stress for the patient. The Softcup oesophagus stent from MICRO-TECH is equipped with a particularly soft proximal stent end, which makes the stent more tolerable for the patient. In order to perform positioning of the stent

as precisely as possible, the stent is preloaded on the high-precision PRODIS introducer. This guarantees reliable release and simultaneously leaves the choice open to the user as to whether the stent should be released from the proximal towards the distal direction (PROximal release) or from the distal towards the proximal direction (DISTal release)

SPECIFIC CHARACTERISTICS

- Nitinol mesh with atraumatic ends
- Proximal Softcup design
- Excellent positional stability, high radial force
- Resistant and elastic covering
- Complete covering
- High radiopacity
- Extraction threads for removal and repositioning
- PRODIS introducer
- Guide wire-compatible up to 0.035 inches



X-ray marking



Extraction thread



SUCCESSFUL IN PRACTICAL USE

The Softcup oesophagus stent is completely covered and reduces the irritative stress for the patient with its particularly soft short proximal tulip and complete covering. Its special design and the high radial force render the stent extremely positionally stable and ensure a very snug fit on the oesophageal wall. The good radiopacity and additional X-ray markings at significant points also facilitate orientation during stent placement.



View into the released stent



Released stent



MAXIMUM HOLD, MAXIMUM COMFORT

The special design of the Softcup oesophagus stent ensures excellent positional stability and is gentle on the patient at the same time. The soft end reduces the unpleasant sensation of carrying a foreign body in the oesophagus and enables a high proximal positioning.

SPECIFICATIONS

REF	Ø centre mm	Ø end mm	Length mm	Covering mm	End design	
					Proximal	Distal
STENTS WITH END-TO-END COVERING						
ST01-156.20.100	20	26	100	100	Softcup	Spherical
ST01-156.24.100	24	30	100	100	Softcup	Spherical
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
PRODIS	8/24	700	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





SEGMENTED STENT

FLEXIBILITY REDEFINED

This oesophagus stent with segmented design maximizes flexibility and adaptability when stenting stenoses and leakages. In contrast to conventional one-piece stents, this design comprises several segments that are independently mobile. This enables the stent to adapt perfectly to both

anatomy and peristalsis and ensures maximum positional stability. All segmented stents have a double full-cover and two extraction threads for a safe removal and repositioning of the stents. By the segmentation the stent loses at no time the defined lumen.

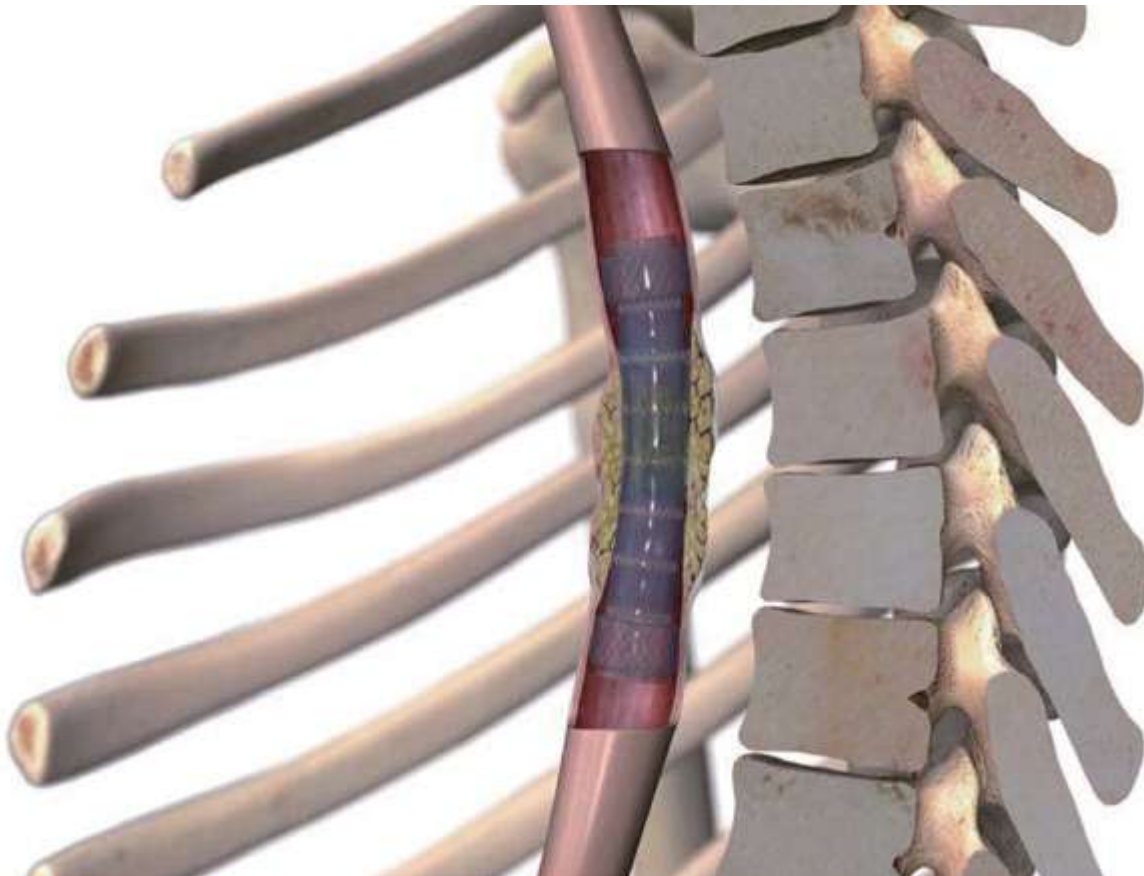
SPECIFIC CHARACTERISTICS

- Segmented stent design
- Self-expanding nitinol fabric
- High level of radial force and positional stability
- Robust, elastic covering
- Guide wire passage up to 0.035 inches



Stent with eight segments





SPECIFICATIONS

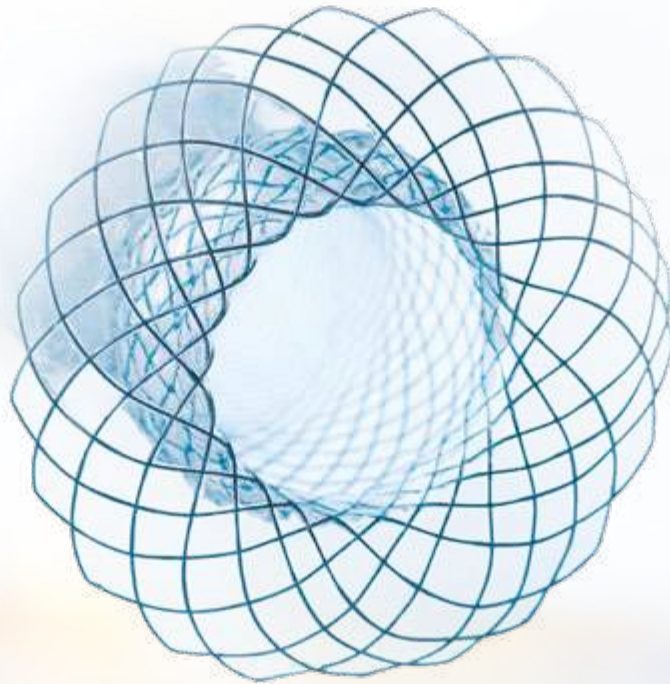
REF	Ø centre mm	Ø end mm	Length mm	Covering mm		
SEGMENTED STENT						
ST71-224-18.060	18	22	60	With covering, double-cup		
ST71-224-18.080	18	22	80	With covering, double-cup		
ST71-224-18.100	18	22	100	With covering, double-cup		
ST71-224-18.120	18	22	120	With covering, double-cup		
ST71-224-18.140	18	22	140	With covering, double-cup		
ST71-224-22.060	22	28	60	With covering, double-cup		
ST71-224-22.080	22	28	80	With covering, double-cup		
ST71-224-22.100	22	28	100	With covering, double-cup		
ST71-224-22.120	22	28	120	With covering, double-cup		
ST71-224-22.140	22	28	140	With covering, double-cup		
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	8/24	650	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





CARDIA-UMBRELLA-STENT

FOR A PERFECT HOLD IN THE CARDIA AREA

The Cardia-Umbrella-Stent by MICRO-TECH is a specially designed stent perfectly tailored to the challenging anatomical diagnosis of the cardia. Its unique design gives the stent extremely high positional stability and prevents its migration in both the gastric and oral directions. Since the lower oesophageal sphincter lies between the bulbous section and the distal end of the stent we have implemen-

ted a special feature which is an “opened umbrella” type shape to facilitate this anatomical challenge. Furthermore, the stent does not protrude into the stomach as a result of this umbrella-shaped design, ending directly behind the oesophageal gastric junction. The risk of pressure necrosis is thus significantly reduced and any potential patient discomfort is decreased.

SPECIFIC CHARACTERISTICS

- Unique umbrella design
- Self-expanding
- Nitinol mesh with atraumatic ends
- Excellent positional stability
- High radial force
- Resistant and elastic covering
- Fully covered stents available
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches

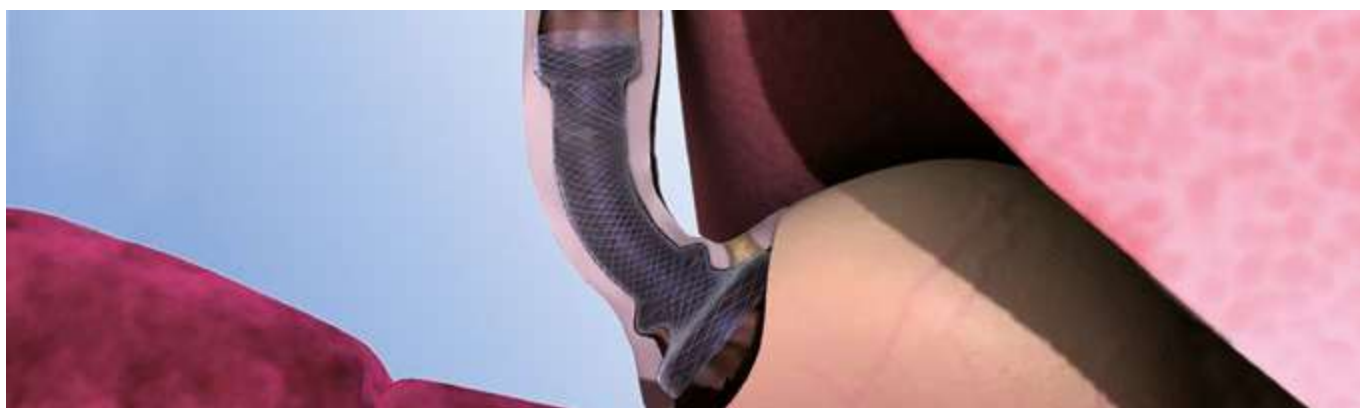


X-ray marking



Extraction thread





SUCCESSFUL IN PRACTICAL USE

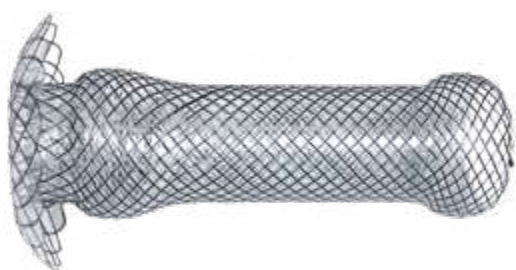
The inverse view from the stomach of the distal end of the stent shows how the umbrella end clings to the gastric mucosa directly behind the cardia without protruding into the stomach. From the perspective of the oesophagus into the stent, the bulge before the cardia and the shaping of the stent in the area of the cardia can be clearly distinguished. Both guarantee excellent positional stability for the stent.



Inverted view of the stomach showing the umbrella end



View into the released stent (oesophagus)



KEEPS ITS PROMISES

Together with the high radial force, the spherical proximal end and the complete covering, the innovative umbrella design guarantees ideal hold in the area of the cardia. Radiopaque markers in prominent positions ease the placement of the stent under radiological view.

SPECIFICATIONS

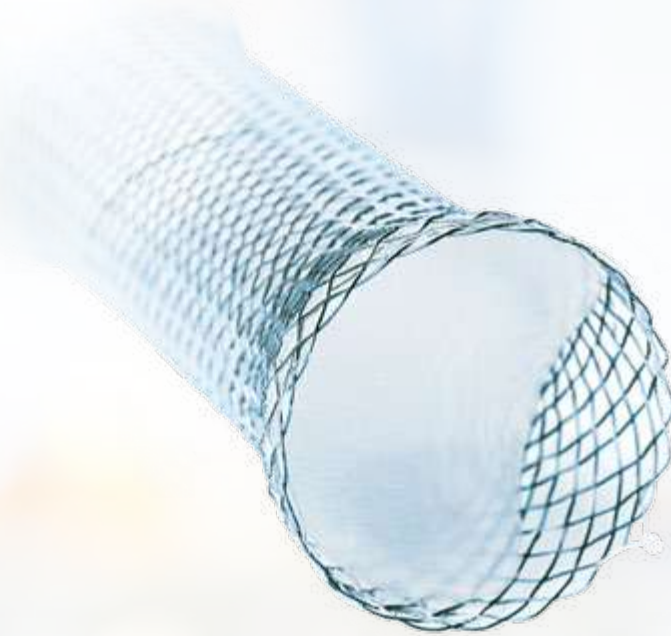
REF	Ø centre mm	Ø end prox./bulge/end dist. mm	Length mm	Covering mm	End design	
					Proximal	Distal
STENTS WITH PARTIAL COVERING						
ST01-108.24.100	24	30/30/50	100	85	Spherical	Umbrella
ST01-108.24.120	24	30/30/50	120	105	Spherical	Umbrella
STENTS WITH END-TO-END COVERING						
ST01-109.24.100	24	30/30/50	100	100	Spherical	Umbrella
ST01-109.24.120	24	30/30/50	120	120	Spherical	Umbrella
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	8.5/25	700	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





CARDIA-VALVE-STENT

THE EFFECTIVE SOLUTION AGAINST REFLUX

Bypass of the cardia with a stent results in gastroesophageal reflux. In order to prevent the latter and thereby minimise the risk of bronchopulmonary aspirations, the Cardia-Valve-Stent from MICRO-TECH is equipped with a unique valve system. The revolutionary aspect of the valve is its 2-way function which imitates the human protective mechanism perfectly. On the one hand, it allows food

and liquids to enter the stomach unimpeded and reliably prevents reflux. On the other, it opens in the oral direction in case of excessive pressure. The patient can therefore obtain relief by vomiting in spite of the valve. The valve is particularly flexible and at the same time highly resistant to gastric acid.

SPECIFIC CHARACTERISTICS

- Innovative 2-way valve system
- Self-expanding
- Nitinol mesh with atraumatic ends
- Excellent positional stability
- High radial force
- Resistant and elastic covering
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches



X-ray marking



Anti-reflux valve

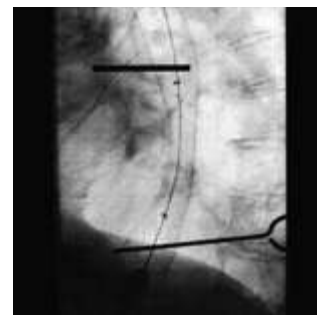


SUCCESSFUL IN PRACTICAL USE

Up to now, use of anti-reflux stents, which are intended to prevent unimpeded reflux, have been controversial. With the Cardia-Valve-Stent, MICRO-TECH is offering a solution that almost perfectly imitates the natural closing mechanism. The 2-way valve, which is flat at the distal end of the stent endeavours to achieve the functional opening and closing of the sphincter.



View of the proximal tulip



Released under X-ray



INNOVATIVE STENT DESIGN

In addition to the unique 2-way valve system, the Cardia-Valve-Stent possesses a series of features that makes it very safe. The reliable covering for instance, which is available in different versions: partially covered, without covering at the proximal end and completely covered.

SPECIFICATIONS

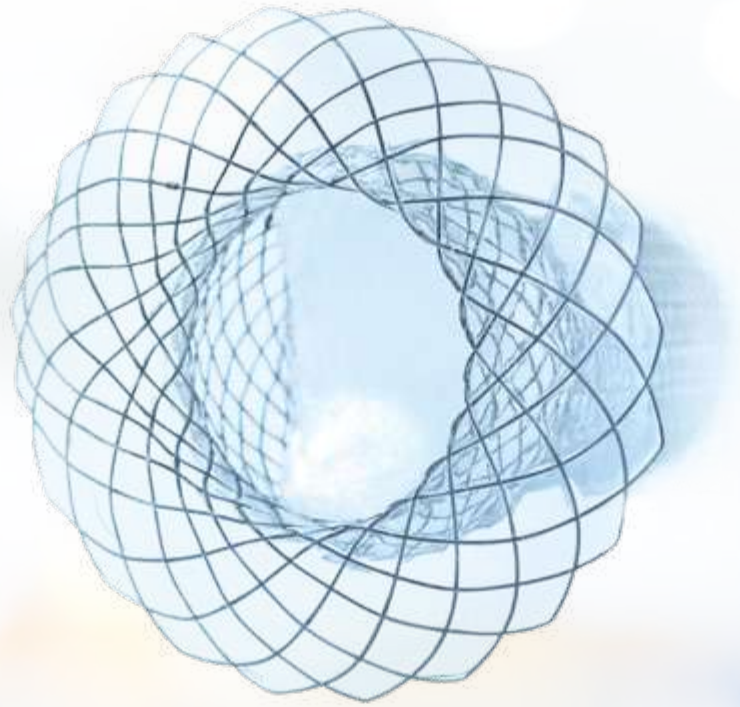
REF	Ø centre mm	Ø end mm	Length mm	Covering mm	Anti-reflux valve	
STENTS WITH PARTIAL COVERING						
ST01-111.20.100	20	26	100	85	Distal	
ST01-111.20.120	20	26	120	105	Distal	
ST01-111.24.100	24	26	100	85	Distal	
ST01-111.24.120	24	26	120	105	Distal	
STENTS WITH END-TO-END COVERING						
ST01-112.20.100	20	26	100	100	Distal	
ST01-112.24.080	24	30	100	100	Distal	
ST01-112.24.100	24	26	100	100	Distal	
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	8,5/25	700	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





UMBRELLA-VALVE-STENT

THE ULTIMATE SOLUTION FOR PERFECT HOLD AND REFLUX PREVENTION

With the Umbrella-Valve-Stent, MICRO-TECH combines perfect hold with effective protection against reflux. Its innovative design prevents stent migration and avoids development of pressure necrosis in the stomach. For even greater patient comfort, the stent is also equipped

with the unique 2-way valve system from MICRO-TECH. Liquids and foods reach the stomach unimpeded through the valve system and reflux is dramatically prevented. In the event of excessive pressure, the valve opens towards the oral direction allowing the patient to vomit.

SPECIFIC CHARACTERISTICS

- Unique umbrella design
- Innovative 2-way valve system
- Self-expanding
- Nitinol mesh with atraumatic ends
- Excellent positional stability
- High radial force
- Resistant and elastic covering
- Fully covered stents available
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches



X-ray marking

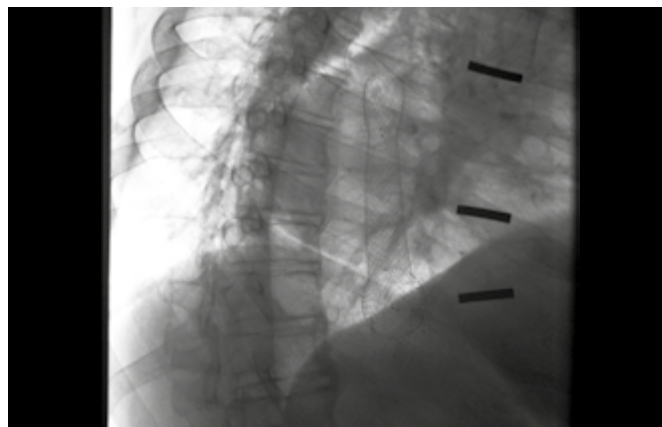


Valve

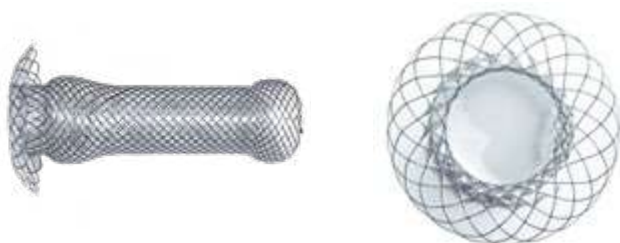


SUCCESSFUL IN PRACTICAL USE

Like every stent from MICRO-TECH, the Umbrella-Valve-Stent is characterised by excellent radiopacity which renders release of the stent easier from a radiological standpoint. Additional X-ray markings at significant points on the stent facilitate orientation and assist precise placement of the stent.



Released stent



TOP FORM DESIGN

The unique umbrella design prevents migration of the stent in the oral and gastric directions. The stents' adaptability in the area of the cardia eliminates the possibility of protruding into the stomach, which in turn prevents development of pressure necrosis to a great extent.

SPECIFICATIONS

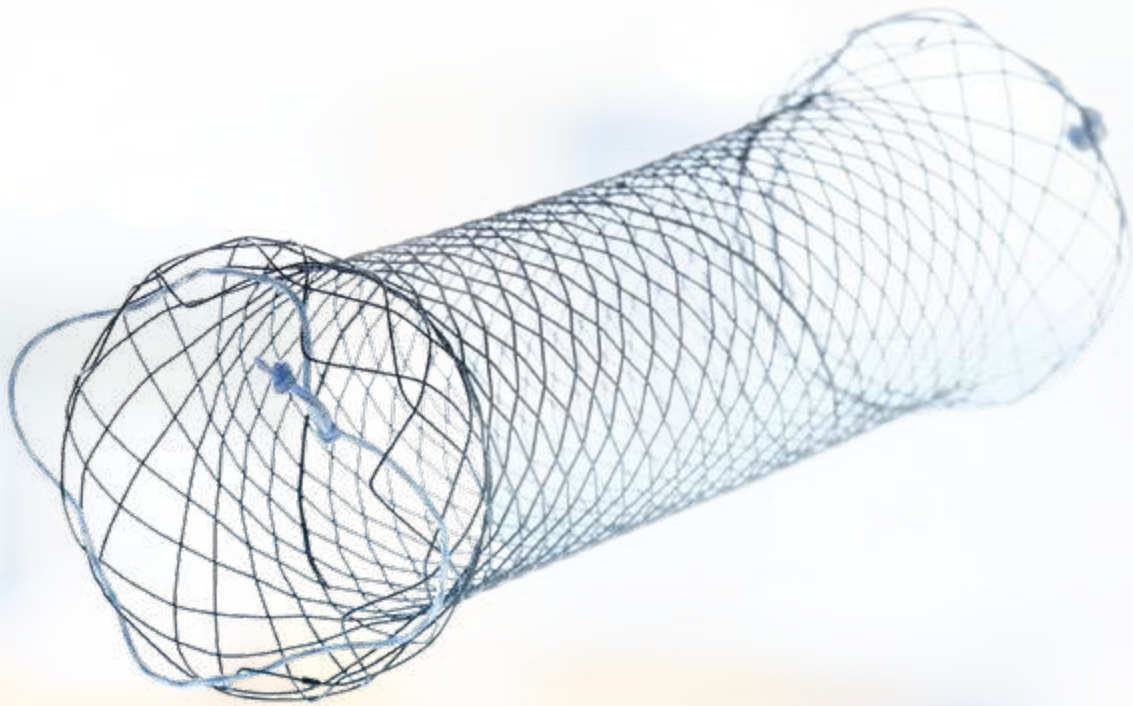
REF	Ø centre mm	Ø end prox./bulge/end dist. mm	Length mm	Covering mm	End design	
					proximal	distal
STENTS WITH END-TO-END COVERING						
ST01-115.24.080	24	30/30/50	80	80	Spherical	Umbrella anti-reflux-valve
ST01-115.24.100	24	30/30/50	100	100	Spherical	Umbrella anti-reflux-valve
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	8,5/25	700	0.035 inch	2	Yes	Yes

Recommended guide wire: 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





DUODENUM STENTS

HIGH LEVEL OF POSITIONAL STABILITY VIA ANATOMICAL DESIGN

The self-expanding Nitinol stents are used to bypass stenoses in the duodenum. Their spherical ends adapt perfectly to the anatomy of the duodenum, thereby guaranteeing maximum positional stability. Stents with and without covering are available depending on the indication. The duodenal stent is preloaded on a TTS introducer

(through-the-scope) as standard. Insertion is therefore carried out through the working channel of the endoscope and release of the stent is observed endoscopically. X-ray markings on the introducer and on the stent itself ensure optimum radiological visualisation.

SPECIFIC CHARACTERISTICS

- Spherical ends
- Self-expanding
- Nitinol mesh with atraumatic ends
- Release under endoscopic observation
- Excellent positional stability
- Resistant and elastic covering
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches



X-ray marking

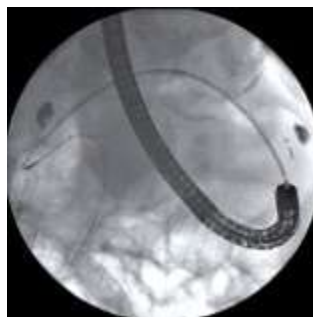


Extraction thread

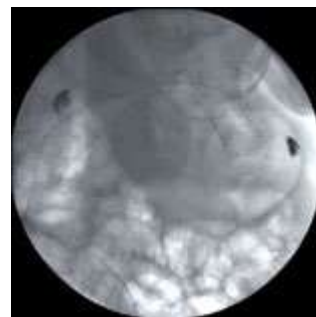


SUCCESSFUL IN PRACTICAL USE

The X-ray images show the release process under radiological monitoring. The good radiopacity plus additional X-ray markings on the stent assist orientation and facilitate the release of the duodenal stent. The endoscopic position control clarifies the stent's optimum expansion.



Stent during release



Deployed stent



View deployed stent



100 mm

80 mm

60 mm

ALWAYS THE APPROPRIATE SOLUTION

With a diameter of 20 mm and different lengths of 60, 80, 100 or 120 mm, the range of duodenal stents always provides the right size for your patient.

SPECIFICATIONS

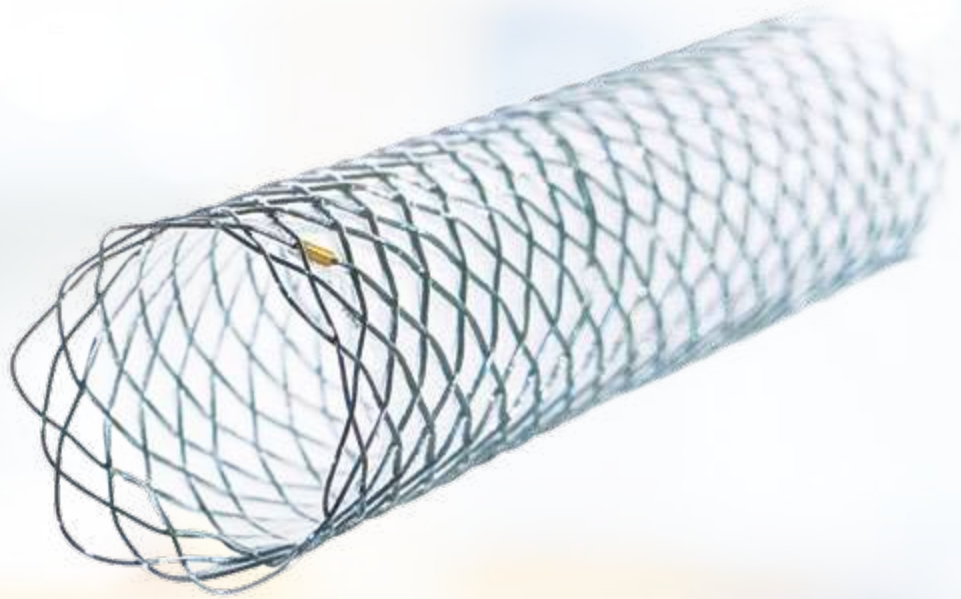
REF	Ø centre mm	Ø end mm	Length mm	Covering mm		
STENTS WITHOUT COVERING						
ST02-101.20.060	20	26	60	Without		
ST02-101.20.080	20	26	80	Without		
ST02-101.20.100	20	26	100	Without		
ST02-101.20.120	20	26	120	Without		
STENTS WITH PARTIAL COVERING						
ST02-102.20.060	20	26	60	40		
ST02-102.20.080	20	26	80	60		
ST02-102.20.100	20	26	100	80		
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	3.3/10	1800	0.035 inch	2	Yes	Yes

Recommended guide wire: 600360-5 Alternative: 600358-5 with a longer tip or 600382-5 extra stiff

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





BILIARY DUCT STENTS

ALWAYS THE IDEAL SOLUTION

With the biliary stents manufactured by MICRO-TECH you will always make the ideal choice to bridge-graft biliary duct stenoses. The high expansion force of the Nitinol wire mesh accounts for an excellent positional stability. The resistant cover prevents the stent from growing into

the tissue. The product range comprises two stent lines and offers a first-class solution that suits all requirements: the classic line and the platinum line. The comprehensive platinum line is especially distinguished by its extraordinary high radiopacity.

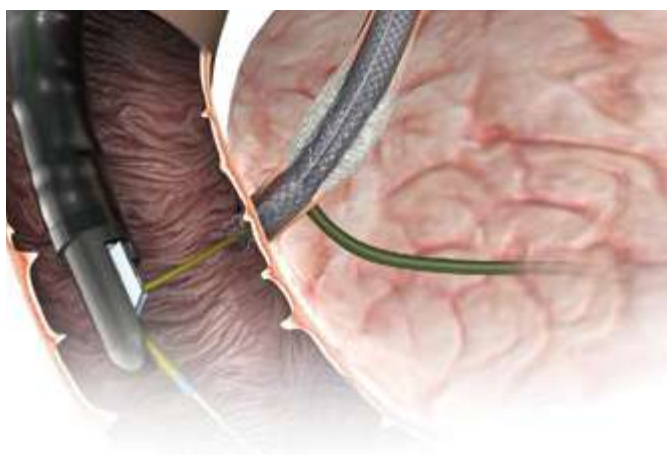
SPECIFIC CHARACTERISTICS

- Self-expanding
- Available for TTS and PTCD
- Classic- and Platinum-Line
- Nitinol wire mesh with atraumatic ends
- Release under visual endoscopic control
- Enormous position stability
- Resistant and elastic cover
- High radiopacity
- Guiding wire passable to a maximum of 0.035 inches



X-ray marking





Removal of the introducer



Endoscopic positional control



Released stent

CLASSIC-LINE. FIRST-CHOICE FOR ALL APPLICATIONS

The Classic-Line is perfectly suited for all standard interventions. With two different approaches consisting of TTS and PTCD, it perfectly meets every requirement. These stents are made of highly flexible Nitinol wire mesh. Ten additional radiopaque markers account for the good visibility of our Classic-Line stents under fluoroscopy. Our product range comprises uncovered and partially covered stents.

PTCD FOR PERCUTANEOUS ACCESS

In case of therapeutic interventions into the biliary duct, it sometimes occurs that a transpapillary access cannot be accomplished. In such cases MICRO-TECH offers PTCD systems (percutaneous transhepatic cholangio drainage) as the ideal solution.

INTRODUCER SYSTEM FOR AN EXACT RELEASE

Additional radiopaque markers on the distal end of the introducer system and on the tip of the pusher catheter provide for additional orientation. In the endoscopic image, the tip of the pusher catheter can be unambiguously and easily distinguished from the proximal end of the stent. The permanent visual endoscopic control of the stent's proximal end considerably facilitates the exact release of the stent.

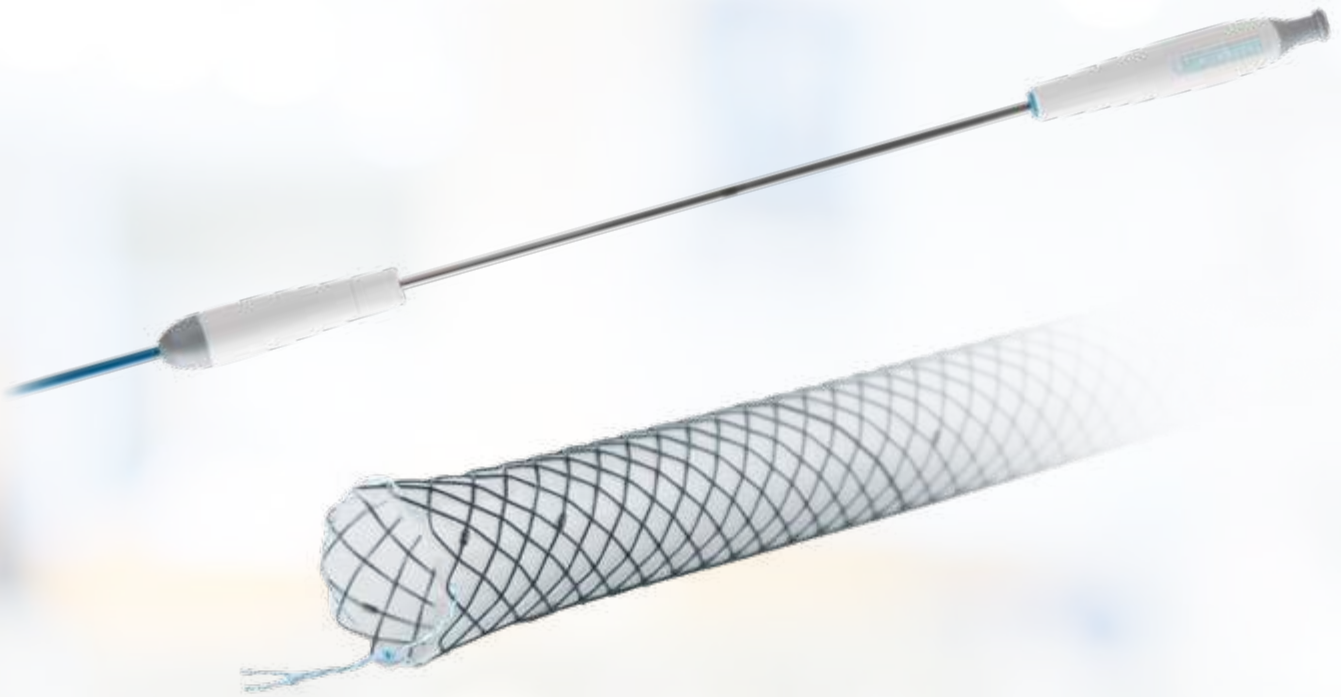
TTS STENTS FOR ROUTINE INTERVENTIONS

We offer uncovered as well as partially covered biliary duct stents in three different lengths. All stents can be placed through the working channel of the duodenoscope over the inserted guide wire (TTS – through-the-scope).

TEN PLATINUM RADIOPAQUE MARKERS

In order to achieve improved visibility under X-ray control each stent bears a total of ten radiopaque markers: four markers located at each end, and two in the middle of the stent. The two radiopaque markers in the middle guarantee for the controllability of the stent's optimal position during deployment.





BILIARY-STENT (GEN-II)

HIGH PRECISION IN SLIM DESIGN

The next generation of MICRO-TECH's biliary stents takes the bridging of bile-duct stenosis to a new level. Thanks to its slim design, the system can be pushed almost frictionless through the endoscope and released easily in the bile-duct. A high flexible, specially developed Nitinol wire and the tantalum markers ensure optimal placement under

X-ray vision. The range of stents are available in lengths from 40 to 100 mm as well as fully, partially and uncovered stents. Uncovered and partially covered variants are produced with a "point-of-no-return" that allows to re-insert the stent into the sheath again and make the repositioning much easier.

SPECIFIC CHARACTERISTICS

- Slimmer introducer set
- Point-of-no-return for uncovered and partially covered stents
- Stent system does not need to be flushed before application
- Stent with tantalum marker for good visibility under X-ray



Tantalum X-ray markings



Partly expanded



SPECIFICATIONS

REF	Ø mm	Length mm	Working channel mm	Covering	
STENTS STRAIGHT					
NST03-001-10.040	10	40	3.7	Without	
NST03-001-10.060	10	60	3.7	Without	
NST03-001-10.080	10	80	3.7	Without	
NST03-001-10.100	10	100	3.7	Without	
NST03-002-10.040	10	40	3.7	Partial	
NST03-002-10.060	10	60	3.7	Partial	
NST03-002-10.080	10	80	3.7	Partial	
NST03-002-10.100	10	100	3.7	Partial	
NST03-004-10.040	10	40	3.7	Complete	
NST03-004-10.060	10	60	3.7	Complete	
NST03-004-10.080	10	80	3.7	Complete	
NST03-004-10.100	10	100	3.7	Complete	
STENTS WITH EXTENDED TULIPS					
NST03-111-10.040	10/13	40	3.7	Without	
NST03-111-10.060	10/13	60	3.7	Without	
NST03-111-10.080	10/13	80	3.7	Without	
NST03-111-10.100	10/13	100	3.7	Without	
NST03-112-10.040	10/13	40	3.7	Partial	
NST03-112-10.060	10/13	60	3.7	Partial	
NST03-112-10.080	10/13	80	3.7	Partial	
NST03-112-10.100	10/13	100	3.7	Partial	
NST03-114-10.040	10/13	40	3.7	Complete	
NST03-114-10.060	10/13	60	3.7	Complete	
NST03-114-10.080	10/13	80	3.7	Complete	
NST03-114-10.100	10/13	100	3.7	Complete	
	Ø mm/fr.	Length mm	Guide wire	RM^{*1}	Lock^{*2}
INTRODUCER SYSTEM					
	2.5 mm/7.5 fr., 2.8 mm/8.5 fr.	1800	0.035 inch	2	Yes

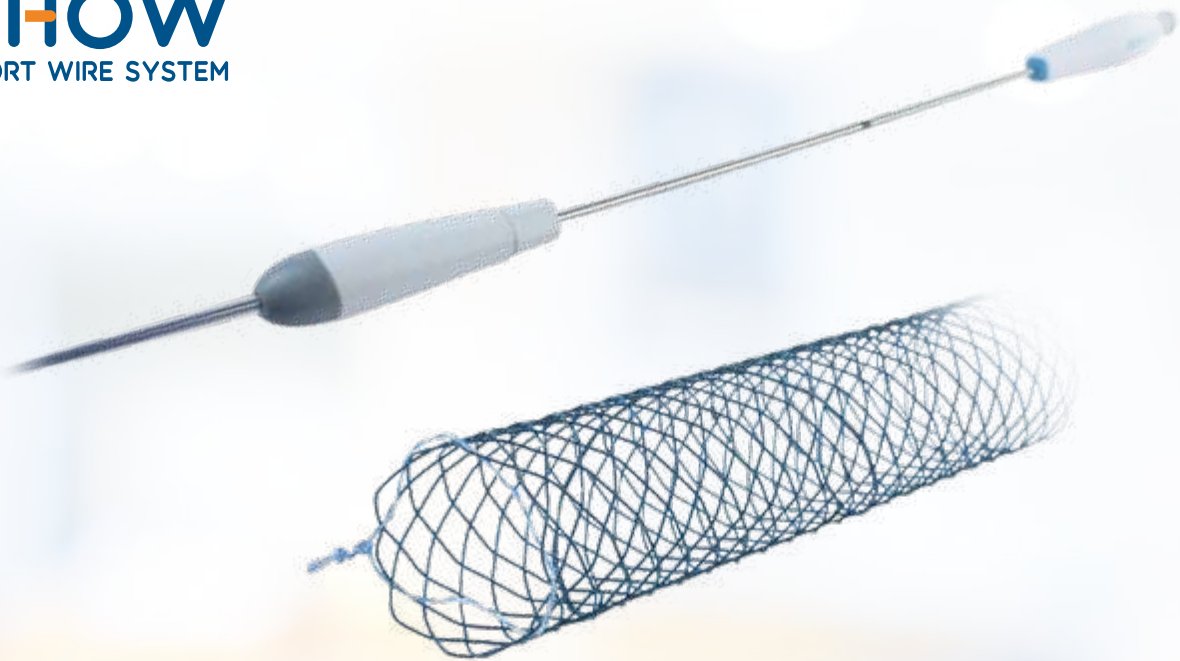
*1 RM – radiopaque markings / *2 Lock – secures the introducer system during transport, storage and insertion

Recommended guidewires:

Straight: MTN-BM-89/45-A, MTN-BM-63/45-A, MTN-BM-53/45-A, MTN-BM-45/45-A.

J-tip: MTN-BM-89/45-A-J, MTN-BM-63/45-A-J.





SHOW-METAL-STENT

INDEPENDENCE AT ITS BEST

The SHOW-Metal-Stent from MICRO-TECH is indicated for applications in the bile duct and is suitable for both short and long wire systems. Time-consuming preparation and irrigation is no longer necessary. Made of flexible nitinol wire, the stent is designed to adapt ideally to biliary conditions. The atraumatic stent ends are characterized by their soft edges. For precise placement, there are overall

10 radiopaque markers on the stent itself and three more on the introducer set. The point-of-no-return (for uncovered and partially covered stents) allows resheathing of the stent which means it can be repositioned. The guide wire exit is located at approx. 30 cm. Our range includes stents with four different lengths of 40 to 100 mm and thus offers for each operation the ideal solution.

SPECIFIC CHARACTERISTICS

- Short and long wire compatible
- No preparation or flushing necessary
- Easy handling
- Uncovered, partially covered and fully covered
- Available in a straight form
- Automatic guide wire exit
- Point-of-no-return
- Very good visibility through tantalum markers
- Very flexible application system facilitates the placement



Extraction suture at proximal Stent-End



Guidewire discharge at ca. 30 cm from distal end



SPECIFICATIONS

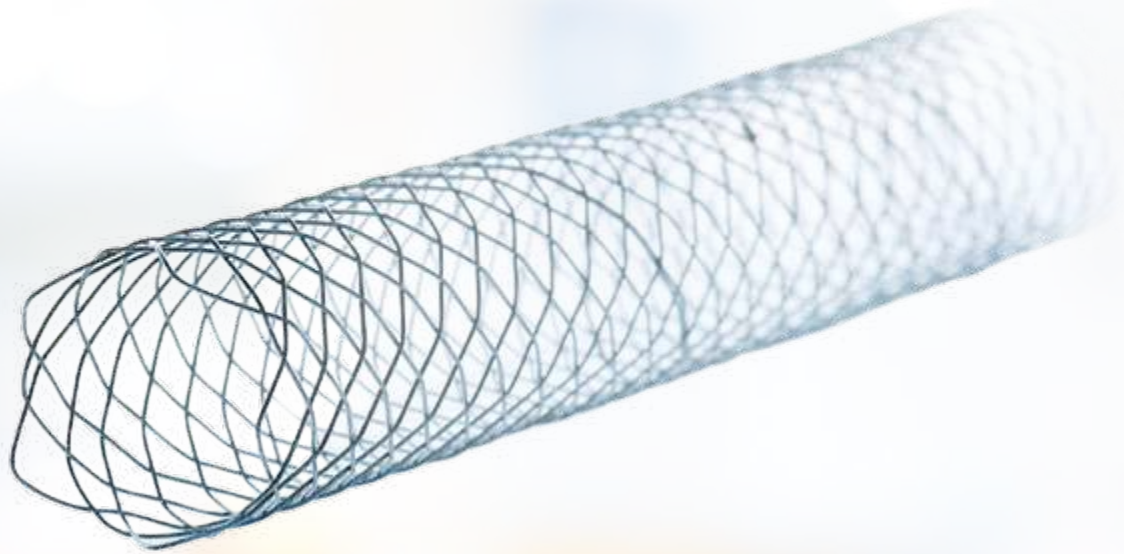
REF	Ø mm	Length mm	Covering mm	Ø Catheter mm	Working length mm	Repositionable	Recommended GW inch
SHOW-METAL-STENTS							
RST43-001-10.040	10	40	without	2.83	1900	Yes	0.035"
RST43-001-10.060	10	60	without	2.83	1900	Yes	0.035"
RST43-001-10.080	10	80	without	2.83	1900	Yes	0.035"
RST43-001-10.100	10	100	without	2.83	1900	Yes	0.035"
RST43-002-10.040	10	40	30	2.83	1900	Yes	0.035"
RST43-002-10.060	10	60	50	2.83	1900	Yes	0.035"
RST43-002-10.080	10	80	70	2.83	1900	Yes	0.035"
RST43-002-10.100	10	100	90	2.83	1900	Yes	0.035"
RST43-004-10.040	10	40	40	2.83	1900	No	0.035"
RST43-004-10.060	10	60	60	2.83	1900	No	0.035"
RST43-004-10.080	10	80	80	2.83	1900	No	0.035"
RST43-004-10.100	10	100	100	2.83	1900	No	0.035"

Packaging unit: 1 piece

REF	Ø inches	Total length mm	Tip length mm	Tip form	Set-up	Covering
GUIDEWIRE						
MTN-BM-89/26-A	0.035"	2600	65	straight	hydrophilic, radiopaque	blue-yellow covering
MTN-BM-89/26-A-J	0.035"	2600	65	J-form	hydrophilic, radiopaque	blue-yellow covering

Packaging unit: 2 pieces





PLATINUM-LINE

PERFECT VISIBILITY FOR HIGHEST PRECISION

With its Platinum-Line, MICRO-TECH heralds a new generation of biliary duct stents. Under X-ray control, they are more visible than ever before, making their release even safer and precise. The secret of their extremely good visi-

bility lies in the specially developed Nitinol wire. Now with enhanced radiopacity, these platinum stents virtually glow in X-ray images. This accounts for extremely good visibility of the stent over its entire length under fluoroscopy.

UNCHALLENGED: VISIBILITY UNDER X-RAY CONTROL

Apart from the innovative Nitinol wire, each stent of the Platinum-Line is distinguished by two additional radiopaque markers which are located in the middle of the stent. This enables pinpointing the exact position of the stent's center line while the stent is being released. Additional radiopaque markers on the introducer system also facilitate orientation.



Released Platinum-Line stent

THE RIGHT CHOICE, WHETHER SHORT OR LONG

The biliary stents from MICRO-TECH are 10 mm wide throughout and differ in length according to the indication: a choice of five lengths is available, namely 40. 60. 70. 80 and 100 mm.



SPECIFICATIONS

REF	Ø centre mm	Ø end mm	Length mm	Covering mm
CLASSIC-LINE TTS				
ST03-101.10.040	10	10	40	Without
ST03-101.10.060	10	10	60	Without
ST03-101.10.080	10	10	80	Without
ST03-101.10.100	10	10	100	Without
ST03-102.10.060	10	10	60	50
ST03-102.10.080	10	10	80	70
ST03-102.10.100	10	10	100	90
CLASSIC-LINE PTCD				
ST03-111.10.060	10	10	60	Without
ST03-111.10.080	10	10	80	Without
ST03-112.10.060	10	10	60	50
ST03-112.10.080	10	10	80	70
PLATINUM-LINE TTS				
ST03-104.10.040	10	10	40	Without
ST03-104.10.060	10	10	60	Without
ST03-104.10.080	10	10	80	Without
ST03-104.10.100	10	10	100	Without
ST03-105.10.040	10	10	40	30
ST03-105.10.060	10	10	60	50
ST03-105.10.080	10	10	80	70
ST03-105.10.100	10	10	100	90
ST03-106.10.040	10	10	40	40
ST03-106.10.060	10	10	60	60
ST03-106.10.080	10	10	80	80
PLATINUM-LINE TTS, EXTENDED ENDS, EXTRACTION THREADS PRE-PAPILLARY				
ST03-126.10.040	10	10	40	30
ST03-126.10.060	10	10	60	50
ST03-126.10.080	10	10	80	70
ST03-127.10.040	10	10	40	40
ST03-127.10.060	10	10	60	60
ST03-127.10.070	10	10	70	70
ST03-127.10.080	10	10	80	80

	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
ST03-101... (TTS)	2.7/8	1800	0.035 inch	2	Yes	Yes
ST03-102 + 103... (TTS)	3.0/9	1800	0.035 inch	2	Yes	Yes
ST03-111... (PTCD)	2.7/8	500	0.035 inch	2	Yes	Yes
ST03-112... (PTCD)	2.8/8.5	500	0.035 inch	2	Yes	Yes
ST03-126... (TTS)	3.0/9	1800	0.035 inch	2	Yes	Yes
ST03-127... (TTS)	3.3/10	1800	0.035 inch	2	Yes	Yes

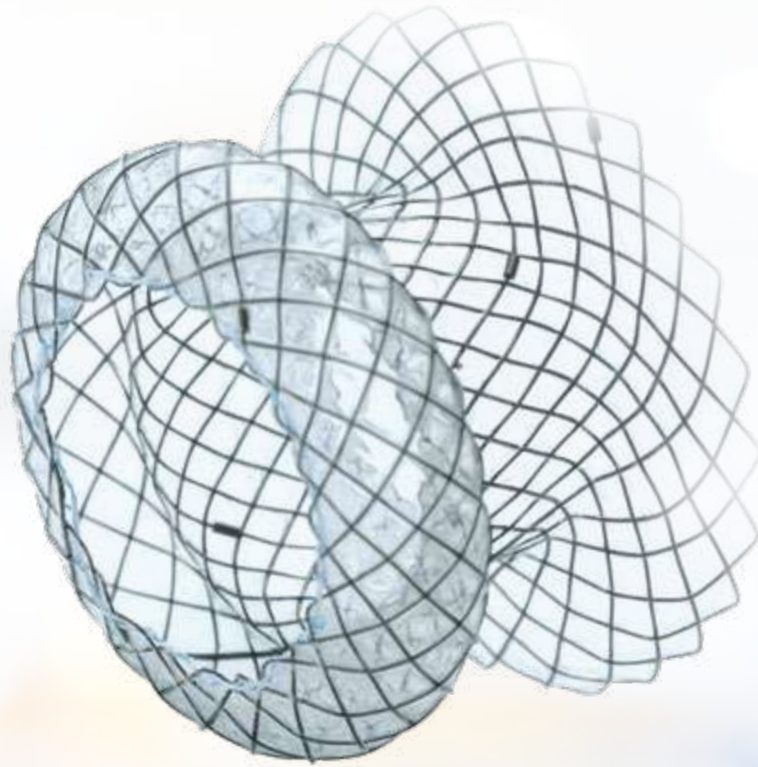
Recommended guide wire (TTS): 600360-5 Alternative: 600358-5 with a longer tip

Recommended guide wire (Perkutan): 600371-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





PSEUDOCYST STENT (GEN-II)

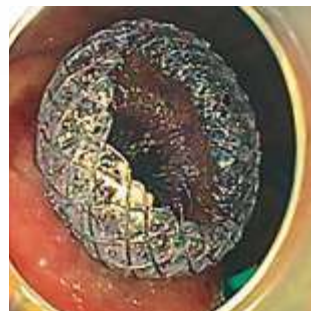
SECURE HOLD FOR RELIABLE DRAINAGE

The Pancreatic pseudocyst stent is used for reliable drainage of endoscopically removed concretions. The design of the stent with its distal umbrella and proximal tulip shapes, ensures that during an eventual migration a dislocation would only occur into the stomach and not into the cyst. The large diameter of 16 mm in the middle of the

stent allows for endoscopic removal of concretions. The 10.5 French TTS (through-the-scope) insertion system is brought into position through the working channel of the endoscope with the aid of a guide wire. When the stent is released, 4 radiopaque markers at each end of the stent guarantee excellent identification on radiological images.

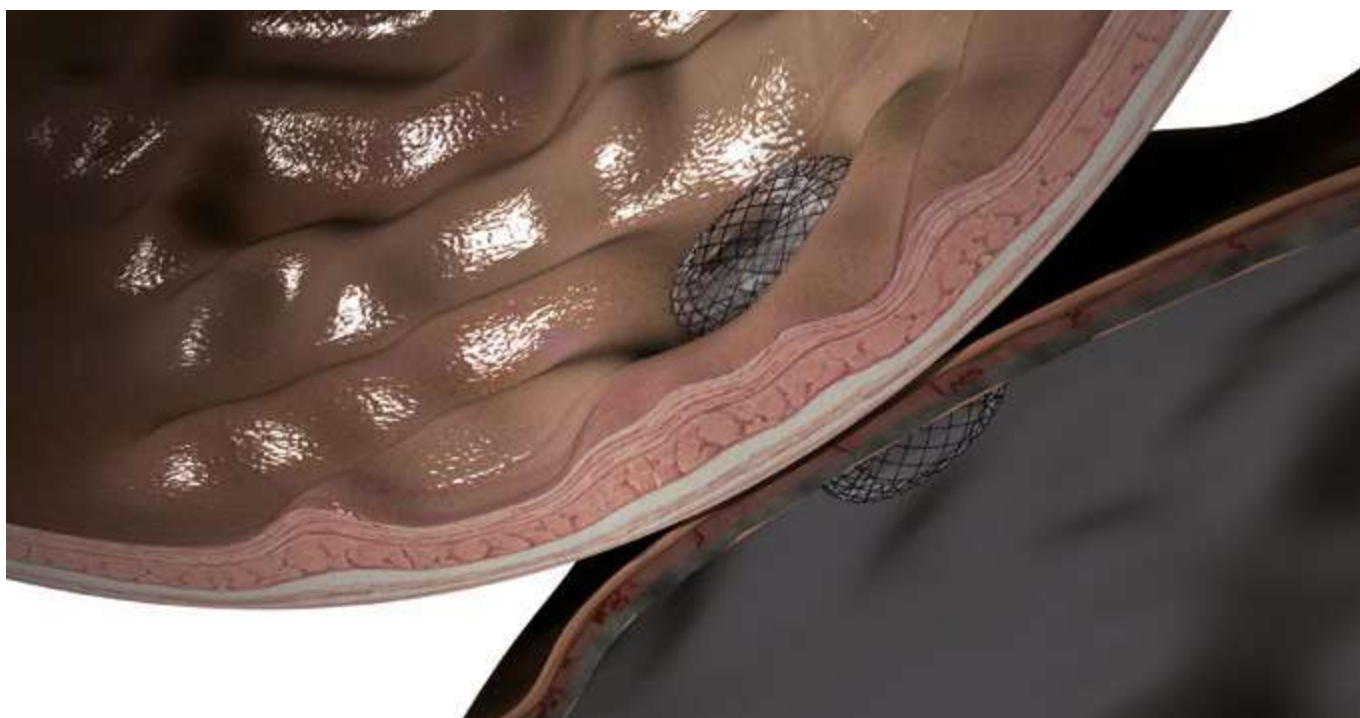
SPECIFIC CHARACTERISTICS

- Stent with complete silicone covering
- High degree of positional stability
- Atraumatic tips
- High level of radial force
- Tantalum radiomarkers
- Guide wire passage up to 0.035 inches
- TTS insertion system with 3.5 mm diameter, 1,800 mm length, two x-ray markings, rinsing attachment and lock to secure the introducer set during transport, storage and insertion



Transgastric access from stomach into pseudocyst





SPECIFICATIONS

REF	Ø centre mm	End Ø mm proximal/distal	Total length mm	Covering mm	End design proximal-distal	System length mm	System Ø mm
PSEUDOCYST STENT							
NST33-544-16.015	16	26/30	15	15	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.020	16	26/30	20	20	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.025	16	26/30	25	25	mushroom-umbrella	1800	3.5 (=10.5F)
NST33-544-16.030	16	26/30	30	30	mushroom-umbrella	1800	3.5 (=10.5F)

	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM	3.5/10.5	1800	0.035 inch	2	Yes	Yes

Recommended guide wire: 600358-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent

REF	Tip length mm	Needle length mm	Partly insulated cutting wire	Preloaded guide wire	Ø working channel mm
NEEDLE KNIFE					
DSP-30505-121111	0	5	No	No	2.8
DSP-30505-121211	0	5	Yes	No	2.8
DSP-30507-121111	0	7	No	No	2.8
DSP-30507-121211	0	7	Yes	No	2.8





COLONIC STENTS TTS

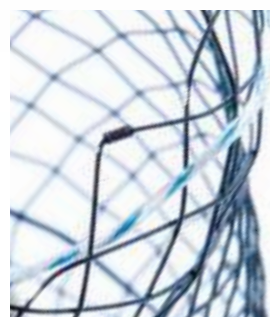
SECURE PLACEMENT UNDER VISUAL ENDOSCOPIC CONTROL

Whereas OTW systems can be placed over-the-wire, TTS colonic stents can be delivered through the working channel of the colonoscope. This way, application time is reduced dramatically. Due to the visible endoscopic control during placement stent deployment takes place in

an even more controlled fashion. In comparison with OTW colonic and rectal stents, TTS applications are especially flexible and better suited for the curved segments of the colon, e.g. the right and left colonic flexures.

SPECIFIC CHARACTERISTICS

- Self-expanding
- Nitinol wire mesh with atraumatic ends
- Flexible and positionally stable
- 10 Radiopaque markers for enhanced visibility under X-ray
- Extraction threads for removal and repositioning
- Guide wire passable up to 0.035 inches



X-ray marking

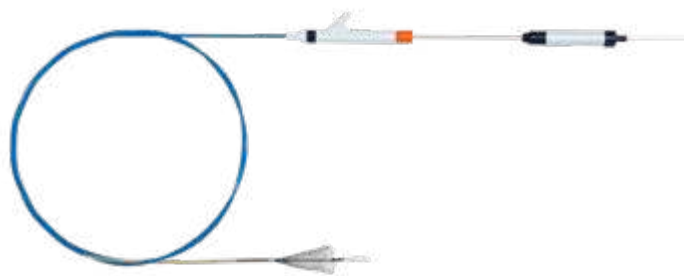


Dispenser for guide wires



ALWAYS IN IDEAL SHAPE

As a standard among TTS colonic stents, you can choose from four different lengths: 60, 80, 100, and 120 mm for stents without covering. In all other versions the stent end working diameter amounts to 25 mm and to 30 mm. The introducer system for MICRO-TECH TTS colonic stents has a diameter of 10 fr. (= 3.3 mm). It therefore fits to all working channels having a diameter of at least 3.6 mm.



SPECIFICATIONS

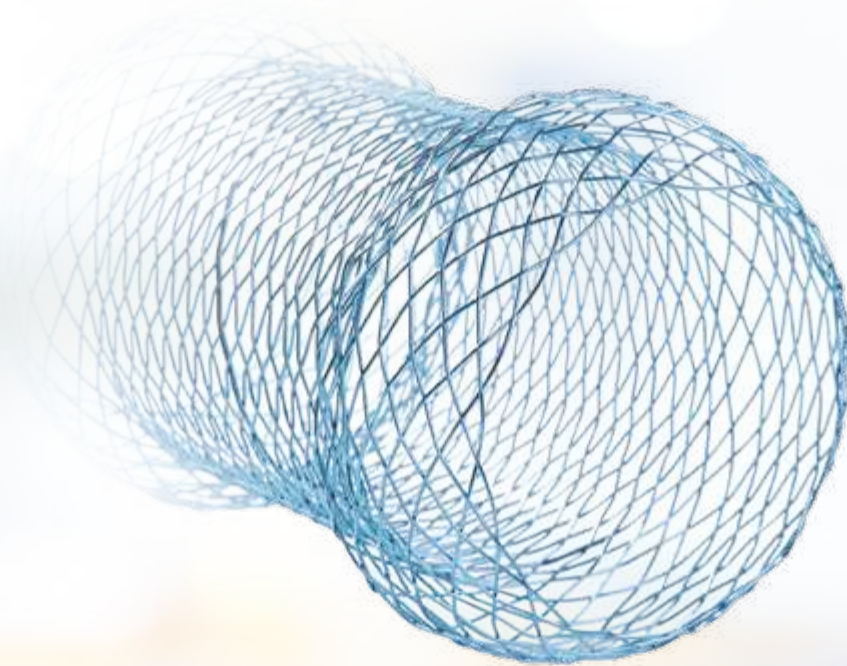
REF	Ø centre mm	Ø end mm	Length mm	Covering mm	Application	End design
STENTS WITHOUT COVERING						
ST04-104.25.060	25	30	60	Without	Colon	Spherical
ST04-104.25.080	25	30	80	Without	Colon	Spherical
ST04-104.25.100	25	30	100	Without	Colon	Spherical
ST04-104.25.120	25	30	120	Without	Colon	Spherical
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
	3.3/10	2300	0.035 inch	2	Yes	Yes

Recommended guide wire: 600382-5 extra stiff

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





COLONIC AND RECTAL STENTS OTW

MAXIMUM HOLD FOR MAXIMUM PATIENT COMFORT

The OTW (over-the-wire) colonic and rectal stents of MICRO-TECH have a particularly high positional stability. In the OTW colonic stents this is achieved via a square-edged transition, situated near each end of the stent. This virtually anchors the stent inside the lumen and adapts it optimally to the anatomy and peristalsis of the colon. In contrast, rectal stents are less stimulating and hence more

“ball-shaped”. This ensures the patient experiences less irritations in this sensitive area, thus decisively increasing quality of life. The partially sheathed OTW colonic and rectal stents produce very high radial forces. Therefore, they should be placed into straight segments of the colon, and not into the bent segments, such as the right and left flexure of the colon.

SPECIFIC CHARACTERISTICS

- Nitinol mesh with atraumatic ends
- Anatomical design
- Excellent positional stability
- High radial force
- Resistant and elastic covering
- High radiopacity
- Extraction threads for removal and repositioning
- Guide wire-compatible up to 0.035 inches



Spherical end

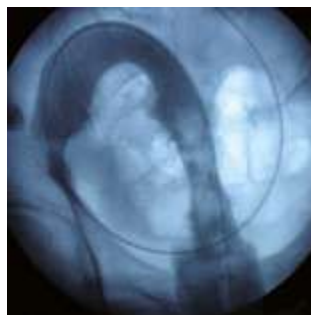


Mushroom design

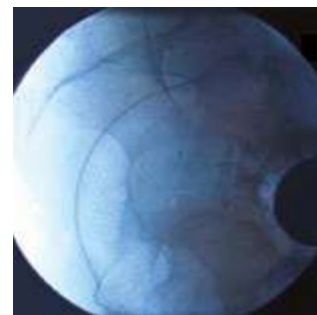


SUCCESSFUL IN PRACTICAL USE

The stents are convincing in practice by their good opening performance and the special distinctive end shape of this type with which the stents can be firmly anchored in the semilunar folds of the colon. In order to facilitate orientation during deployment, the stents have additional X-ray markings at all significant points.



Control with contrast medium



Released colon stent



Colon stents



Rectum stents

POSITIONALLY STABLE IN ALL SIZES

Colonic and rectal stents are available in lengths of 80 mm and 100 mm. Stents for patients who have undergone anastomosis have a length of 60 mm. You can choose between non-covered, partially covered and end-to-end covered versions.

SPECIFICATIONS

REF	Ø centre mm	Ø end mm	Length mm	Covering mm	Application	End design
STENTS WITHOUT COVERING						
ST04-101.30.080	30	36	80	Without	Colon	Mushroom
ST04-101.30.100	30	36	100	Without	Colon	Mushroom
ST04-111.30.080	30	36	80	Without	Rectum	Spherical
ST04-111.30.100	30	36	100	Without	Rectum	Spherical
STENTS WITH PARTIAL COVERING						
ST04-102.30.080	30	36	80	50	Colon	Mushroom
ST04-102.30.100	30	36	100	70	Colon	Mushroom
ST04-112.30.080	30	36	80	50	Rectum	Spherical
ST04-112.30.100	30	36	100	70	Rectum	Spherical
ANASTOMOSIS STENTS WITH END-TO-END COVERING						
ST04-109.20.060	20	26	60	60	Colon	Spherical
ST04-109.26.060	26	32	60	60	Colon	Spherical
ST04-109.30.060	30	36	60	60	Colon	Spherical

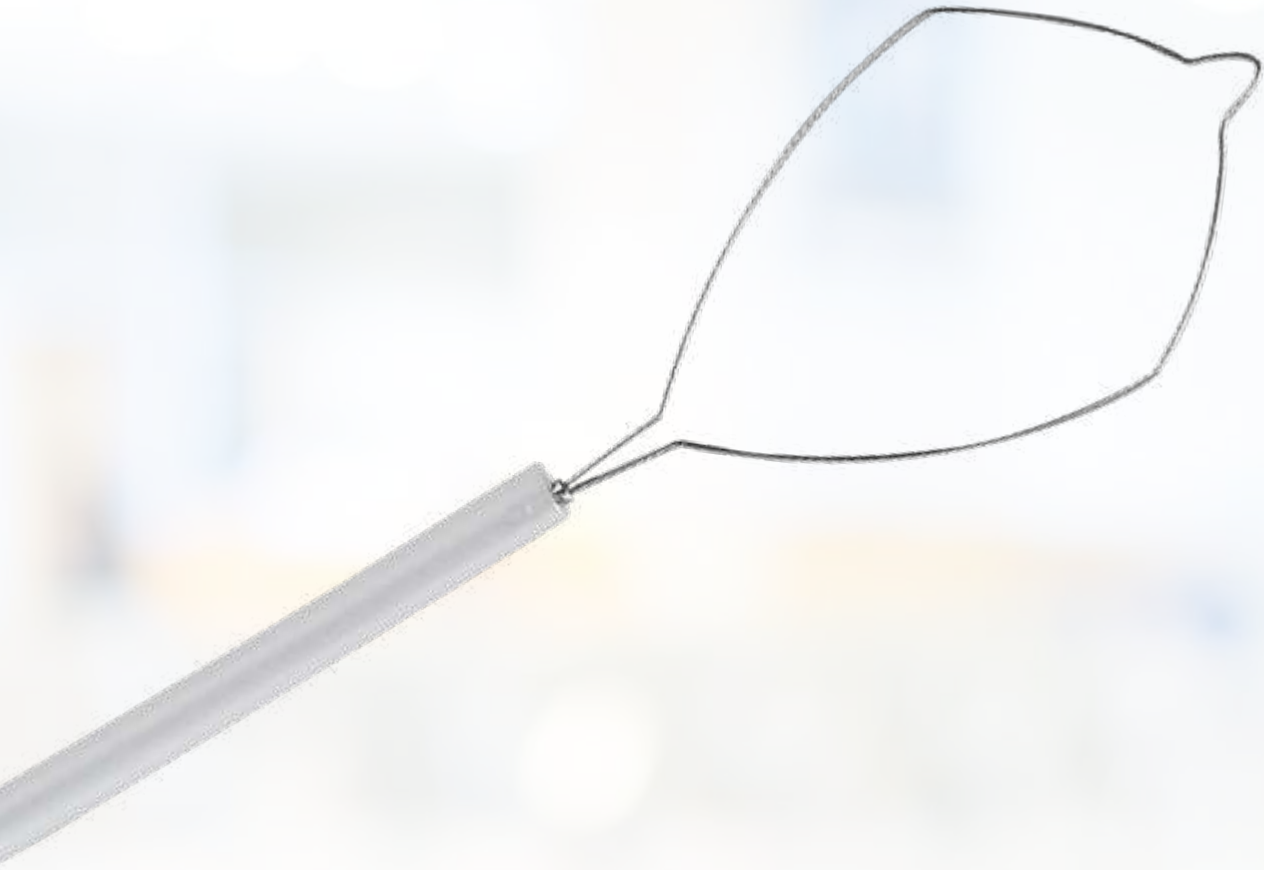
	Ø mm/fr.	Length mm	Guide wire	RM ^{*1}	IC ^{*2}	Lock ^{*3}
INTRODUCER SYSTEM						
ST04-111 + 112...	8/24	700	0.035 inch	2	Yes	Yes
ST04-101 + 102 + 109...	8/24	1100	0.035 inch	2	Yes	Yes

Recommended guide wire: (Colon): 600382-5; (Rectum): 600375-5

*1 RM – radiopaque markings / *2 IC – irrigation channel / *3 Lock – secures the introducer system during storage, transportation and introduction

Also as a special size or individual stent





RESECTION

SNARES, NEEDLES AND NETS

YOUR TRUSTED PARTNER IN ENDOSCOPY





DAILYSNARE

MORE COMFORT AND RELIABILITY IN EVERYDAY HOSPITAL ROUTINE

In order to make the removal of polyps in everyday hospital routine as efficient as possible, MICRO-TECH has developed a program of disposable polypectomy snares which perfectly combines quality with cost effectiveness. Each

oval snare is made of a specially stranded wire, with enduring radial force, high dimensional stability and precise cutting properties. The 3-ring handle offers a secure hold and transmits every movement reliably to the snare.

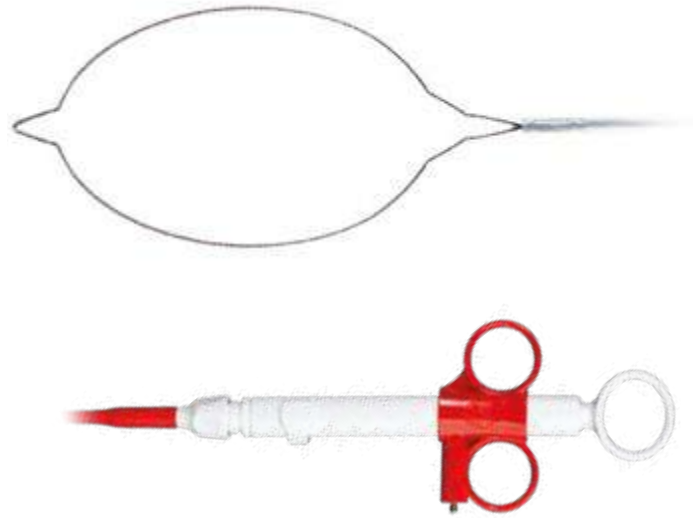
SPECIFIC CHARACTERISTICS

- Very comfortable to use
- Reliable and safe
- Innovative HF-connection
- Ergonomic 3-ring handle
- Excellent cutting properties
- High strength of shape



SUCCESSFUL IN PRACTICAL USE

The special stranded wire of DailySnare endows the snare with the radial force it needs to open and be controlled in any position, easily and reliably. DailySnare has proved its worth as a reliable solution in daily routine work owing to its enormous dimensional stability and good cutting properties. Thanks to the new handle the snare can easily be opened and closed even if connected to the HF-cable.



SPECIFICATIONS

REF	Catheter Ø mm	Length mm	Snare Ø mm	Snare type
POLYPECTOMY SNARES				
PFS01-01023230	2.3	2300	10	Oval
PFS01-01523230	2.3	2300	15	Oval
PFS01-02023230	2.3	2300	20	Oval
PFS01-02423230	2.3	2300	24	Oval
PFS01-03623230	2.3	2300	36	Oval
PFS01-12423230	2.3	2300	24	Hexagonal
PFS01-22423230	2.3	2300	24	Crescent
PFS01-33023230	2.3	2300	10/ 20/ 30	3 in 1 vario

Packaging unit: 10 pieces





COLDSNARE

RELIABLE RESECTION OF POLYPS <10 MM

The Coldsnare from MICRO-TECH is an instrument that is suitable above all for cold resection of polyps < 10 mm. This thin, braided cutting wire was specially developed for cold resection and makes for a highly precise, clean cut in

combination with the snare design optimized for excision of small polyps. The excised polyp is free of thermal defects and ensures that the histological assessment will provide valuable information.

SPECIFIC CHARACTERISTICS

- Developed for polyps < 10 mm
- Special cutting wire
- Optimized snare design
- Precise, uniform cut
- High level of control
- Ergonomic grip



Precision grip with ergonomic design



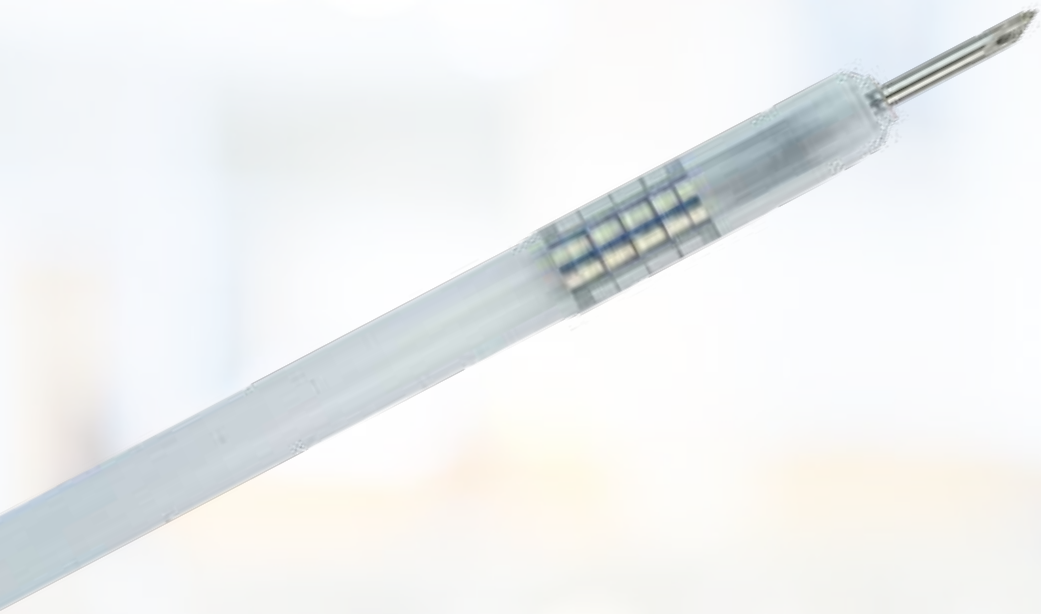


SPECIFICATIONS

REF	Tube Ø mm	Length mm	Snare Ø mm	Snare type	Wire Ø mm
COLDSNARE					
CS3-11023230	2.3	2300	10	Rhombus	0.23
CS3-11523230	2.3	2300	15	Rhombus	0.23

Packaging unit: 10 pieces





INJECTION NEEDLE IN

RELIABLE AND SAFE TO THE TIP

MICRO-TECH's disposable injection needle facilitates clinical practice due to its ergonomic handle and especially sharp needle. The anti-skid design guarantees convenient control with just one hand. For even more precise punc-

tures the handle can be locked in several stages. When the needle is released, it snaps back into the catheter to avoid damage to the working channel.

SPECIFIC CHARACTERISTICS

- Ergonomic anti-slip handle
- Adjustable pressure pad
- Automatic needle-feed
- Soft, atraumatic silicone head
- Needle with extremely sharp, precision cut
- Different needle diameters
- LL needle connector



Needle completely retracted



Compact ergonomical design



SPECIFICATIONS

REF	Needle stroke mm	Needle Ø mm	Ø mm	Length mm
INJECTION NEEDLE IN				
IN12-195232302	5	19 G = 0.9 mm	2.3	2300
IN12-225232302	5	22 G = 0.7 mm	2.3	2300
IN12-255232302	5	25 G = 0.5 mm	2.3	2300

Packaging unit: 10 pieces



POLYP TRAP

WITH FOUR CHAMBERS

SPECIFIC CHARACTERISTICS

- Four separate numbered chambers in transparent transport container
- Flexible connecting hoses
- Accurate allocation of samples
- Safe connection to endoscope and suction system



SPECIFICATIONS

REF	Description
POLYP TRAP	
BBP-50	Polyp trap with 4-chamber





NETS

SAFELY REMOVE FOREIGN BODIES AND POLYPS

The MT net has been developed for the removal of polyps and foreign bodies and enables the reliable recovery of tissue samples. The net itself consists of a reinforced thread

material, which offers additional safety during recovery. Thanks to its unique dimensional stability and large opening, it facilitates work over several passes.

SPECIFIC CHARACTERISTICS

- Large net
- High quality manufacture
- Comfortable 3-ring handle
- Easy and precise opening



Shape stable MT net

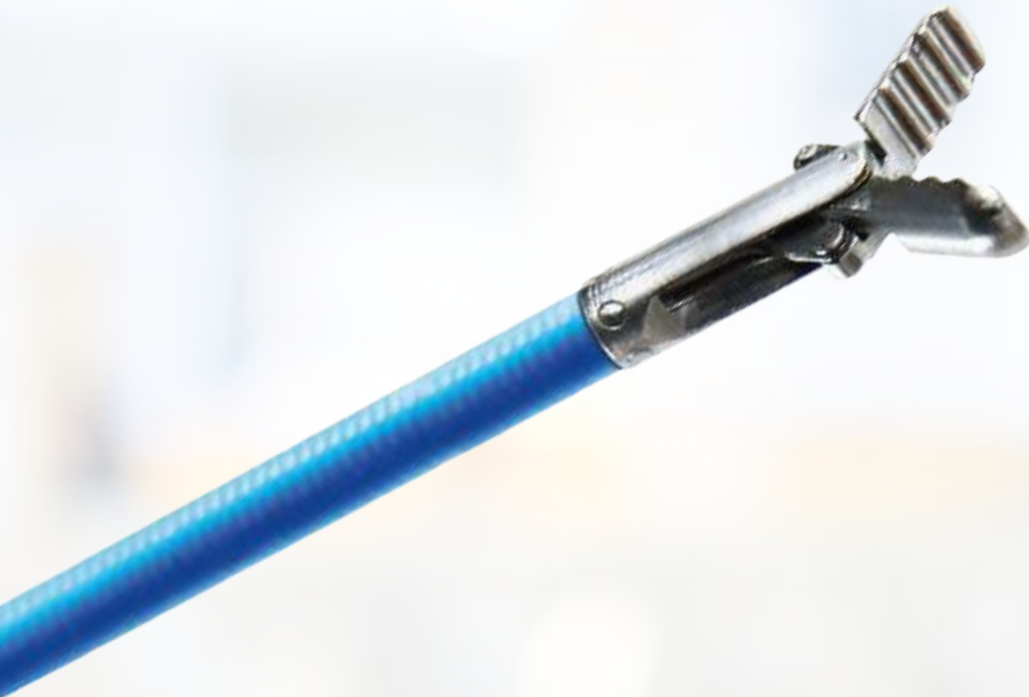


SPECIFICATIONS

REF	Ø net mm	Snare	Working length mm	Ø working channel mm
RETRIEVAL NET				
NT-E-30/23-P	30	Oval	2300	2.8
NT-E-30/16-P	30	Oval	1600	2.8

Packaging unit: 2 pieces





RETRIEVAL DEVICES

FORCEPS AND NETS

YOUR TRUSTED PARTNER IN ENDOSCOPY





FOREIGN BODY FORCEPS

QUALITY CRAFTED FOR HIGH PRECISION CONTROL

Due to the ergonomic 3-ring handle the one-time foreign body forceps can be used with ease and comfort. Each movement is passed exactly to the forceps – even in angled body regions. The calipers themselves are made

of high quality material and are perfectly manufactured. These qualities allow you to grab firmly, guaranteeing safe foreign body retrievals. The range includes forceps for gastroenterology, pneumology, paediatrics and urology.

SPECIFIC CHARACTERISTICS

- High-quality processing
- Covering with markings
- Ergonomic 3-ring handle
- Easy and safe operation
- Different areas of application
- 3 types: Alligator, 2-1 teeth and Griffin
- Sterile and individually wrapped
- Type Griffin also for stent-extraction and -repositioning



Type Griffin: long alligator jaw with 2:1 teeth



Type: 2-1 teeth



SPECIFICATIONS

REF	Type	Length mm	Ø mm
DISPOSABLE FOREIGN BODY FORCEPS - GASTROENTEROLOGY			
NGF03-11023230	2-1 teeth	2300	2.3
NGF13-11023230	Alligator	2300	2.3
NGF33-11023230	Griffin	2300	2.3
DISPOSABLE FOREIGN BODY FORCEPS - PNEUMOLOGY, PAEDIATRICS, UROLOGY			
NGF32-11018180	Griffin	1800	1.8
NGF32-11018120	Griffin	1200	1.8

Packaging unit: 10 pieces

Type Griffin is ideal and our recommendation for stent-extraction and -repositioning.





NETS

SAFELY REMOVE FOREIGN BODIES AND POLYPS

The MT net has been developed for the removal of polyps and foreign bodies and enables the reliable recovery of tissue samples. The net itself consists of a reinforced thread

material, which offers additional safety during recovery. Thanks to its unique dimensional stability and large opening, it facilitates work over several passes.

SPECIFIC CHARACTERISTICS

- Large net
- High quality manufacture
- Comfortable 3-ring handle
- Easy and precise opening



Shape stable MT net



SPECIFICATIONS

REF	Ø net mm	Snare	Working length mm	Ø working channel mm
RETRIEVAL NET				
NT-E-30/23-P	30	Oval	2300	2.8
NT-E-30/16-P	30	Oval	1600	2.8

Packaging unit: 2 pieces





ACCESSORIES

ENDOSCOPY ACCESSORIES, EQUIPMENT AND BRUSHES

YOUR TRUSTED PARTNER IN ENDOSCOPY



ENDOSCOPY ACCESSORIES

OPTIMALLY EQUIPPED FOR EVERY INTERVENTION

MICRO-TECH provides you optimally with products around endoscopy. The product range includes devices that offer work protection to doctors and nurses as well as textiles which increase patient comfort. All solutions

are naturally certified according to EN ISO 13485 and fulfill the stringent requirements of directive 93/42 EEC concerning medical devices.



DISPOSABLE MOUTHGUARDS

Different models are available: standard, pediatric and mouthguards with a special atraumatic design



DISPOSABLE STERILE INSTRUMENT CLOTH

Light blue water resistant and absorbent cloth with either 4 transparent instrument pockets – rear adhesive tape for fixation



DISPOSABLE CHANNEL VALVES

The channel valves fit on Olympus and Pentax endoscopes



POLYP TRAP

The 4-chamber system enables the separate capture of up to 4 polyps or biopsy material



SPECIFICATIONS

REF	Description	Measurements
MOUTHGUARD		
AC01-102.M	Disposable mouthguard, yellow, NO strap	Medium (M)
AC01-103.A	Disposable mouthguard, atraumatic design, blue, latex free textile strap	Atraumatic (A)
AC01-103.M	Disposable mouthguard, blue, textile strap	Medium (M)
AC01-103.P	Disposable pediatric mouthguard, latex free textile strap	Pediatric (P)
AC01-150	Disposable textile strap, blue (also available separately)	Medium (M)
INSTRUMENT CLOTH		
TX03-101.M4	Light blue, 4 pockets (l x w: 20 x 25 cm each)	90 x 70 cm
BIOPSY VALVES		
AC03-102.O	Blue, for Olympus and Fujifilm endoscopes (G5 and higher)	
AC03-101.P	Red, for Pentax endoscopes	
POLYP TRAP		
BBP-50	Polyp trap with 4-chamber	

*cm of relaxed waistband, stretchable up to bottom size





DISPOSABLE ENDOSCOPY VALVES

STERILE VALVE SETS FOR MORE EFFICIENCY AND SAFETY

The possibility of cross contamination cannot be eliminated even when preparation is done under the highest standards. The MICRO-TECH disposable valves, provide a safe and efficient solution to ensure the protection for users and patients. Time-consuming manual cleaning processes are no longer necessary. What that means for you: Simple processes, reducing time and costs, elimi-

nating the need to document reprocessing steps and reducing the risk of infection for your patients. All MICRO-TECH valves are manufactured from high quality materials and are precisely fabricated to ensure optimum functionality. The range includes valves for the most common endoscopes from Olympus, Fujifilm and Pentax.

SPECIFIC CHARACTERISTICS

- Single use sterile packaged
- Ready for instant use
- Reduced risk of infection for users and patients
- No time consuming preparation
- More efficiency and budget security
- Compatible with endoscopes from Olympus, Fujifilm and Pentax



3-part sets (air-water-, purge and biopsy valve)



SPECIFICATIONS

REF	Description	Package unit
WORKING CHANNEL ADAPTER		
AC03-221.F7	for Fujifilm 700 series endoscopes	Box of 100, carton 800 pieces: 8 pieces of 100
AC03-221.O	for Olympus endoscopes	Box of 100, carton 800 pieces: 8 pieces of 100
AC03-221.P	for Pentax endoscopes	Box of 100, carton 800 pieces: 8 pieces of 100
ENDOSCOPE VALVE SET		
AC03-212.F7	for Fujifilm 700 series with biopsy-, air-water-, purge valve	Box of 25, carton 100 pieces: 4 piece of 25
AC03-212.O	for Olympus with biopsy-, air-water-, purge valve	Box of 25, carton 100 pieces: 4 piece of 25
AC03-211.F7	for Fujifilm 700 series with air-water-, purge valve	Box of 25, carton 100 pieces: 4 piece of 25
AC03-212.F	for Fujifilm 500/600 series with biopsy-, air-water-, purge valve	Box of 25, carton 100 pieces: 4 piece of 25
AC03-213.O	for Olympus with biopsy-, air-water-, purge valve, Jet Adapter	Box of 25, carton 100 pieces: 4 piece of 25
AC03-211.O	for Olympus with air-water-, purge valve	Box of 25, carton 100 pieces: 4 piece of 25
CLEANING VALVE		
AC03-220.F7	for Fujifilm 700 series endoscopes	Box of 100, carton 400 pieces: 4 pieces of 100
AC03-220.O	for Olympus endoscopes	Box of 100, carton 400 pieces: 4 pieces of 100
PROTECTIVE CAP DISTAL TIP		
AC06-201	External diameter endoscope: 7-15 mm (like registered)	100 pieces
AC06-202	External diameter endoscope: 2-10 mm (like registered)	100 pieces





DISPOSABLE CLEANING BRUSHES

THE STANDARD IN DEPENDABLE HYGIENE

The disposable cleaning brushes from MICRO-TECH ensure a perfectly cleaned endoscope, thus reducing the risk of cross-contamination to a minimum. The brushes also protect your endoscope. Spherical beads on the brush ends prevent the endoscope's working channel

from being damaged during cleaning. If you wish to make your work even safer, more rapid and more efficient, the disposable double cleaning brushes with 2 heads are recommended. Two cleaning processes can therefore be performed simultaneously in a single working step.

SPECIFIC CHARACTERISTICS

- 2 brush heads for time-saving cleaning
- Protective beads on the brush heads
- Brushes made of resistant nylon
- Individually hygienically packed



Handle



Nylon brushes



CONICAL BRUSH HEADS

The product range has also been supplemented with disposable cleaning brushes with tapered brush heads. According to preference, brushes with constant and decreasing brush diameters are available. Conical brush heads are indicated by a T in the product number.



YOUR CHOICE: 1 OR 2 BRUSH HEADS

An ergonomic ring handle on the single head brush supports easy removal of the cleaning brush from the endoscope channel. Alternatively the use of a double headed cleaning brush can be recommended - a catheter with a brush at each end that is pulled through the channel thus allowing greater cleaning efficiency with its double brush action.



PRECISELY FITTING DIAMETER

Whether a bronchoscope or a therapeutic endoscope with a large working channel is involved – you can obtain ideal cleaning brushes for all endoscopes with diameters ranging from 3 mm to 11 mm.



SPECIFICATIONS

REF	Catheter Ø mm	Total length mm	Brushes Ø mm	Brush length mm
CLEANING BRUSHES WITH ONE HEAD				
CB18-0050-18	1.8	1800	5	20
CB18-0050-23	1.8	2300	5	20
CB18-T0050-23	1.8	2300	5-7 tapered	20
CLEANING BRUSHES WITH TWO HEADS				
CB18-3030-18	1.8	1800	3/3	20/20
CB18-5060-18	1.8	1800	5/6	20/20
CB18-5050-23	1.8	2300	5/5	20/20
CB18-T5050-23	1.8	2300	5-7/ 5-7 tapered	20/20
CB23-5050-18	2.3	1800	5/5	20/20
CB23-5050-23	2.3	2300	5/5	20/20

Packaging unit: 100 pieces



COMBINATION CLEANING BRUSH SOLUTIONS

THE 2 IN 1 SOLUTION FOR THE DAILY PRACTICE

The cleaning of both the endoscope channels and its air-water valve requires a different kind of brush. MICRO-TECH offers smart devices for this purpose that makes the daily

practice easier and more efficient. The dual cleaning brush and valve brush combination set made by MICRO-TECH is such a solution for the reprocessing of the endoscope.

SPECIFIC CHARACTERISTICS

- Double cleaning brush for air-water valve/control head
- Intensive and efficient cleaning
- Protective beads on the brush heads
- Brushes made of resistant nylon
- Individually hygienically packed sets available



Tapered



Protective bead



ONE BRUSH FITS ALL VALVES

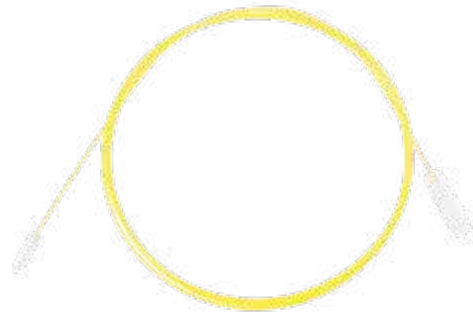
MICRO-TECH offers the all inclusive solution for the thorough brushing of the air-water valve vents and ports. The double header brush combines a 40 mm long and 11 mm thick port brush with a 20 mm long and 5 mm thin vent brush. Both brushes are flexible and have protective distal beads to help prevent damage to the endoscope.



Double headed cleaning brush for air-water valve

COMBINATION DUAL FUNCTION BRUSH

A cleaning brush with a conical brush head for the endoscope channels and a large calibre and long brush head for the airwater valve- ports allow channel and valve-port brushing with a single cleaning brush. This saves time and reduces costs.



Combination cleaning brush

SMART AND EFFICIENT: CLEANING BRUSH SETS

The MICRO-TECH cleaning brush set includes all necessary brushes for a thorough and easy cleaning of the endoscope. It contains one cleaning brush for the endoscope channels and one double header cleaning brush for the valve vents

and ports. The sets are alternatively available with one single or one double headed cleaning endoscope channel brush. Each set is delivered individually hygienically packed.

SPECIFICATIONS

REF	Catheter Ø mm	Total length mm	Brushes Ø mm	Brush length mm
CLEANING BRUSH FOR VALVE VENT				
CB13-50120-01	1.3	160	5/12	20/40
COMBINATION CLEANING BRUSH				
CB18-T50110-23	1.8	2300	5-7 tapered/ 11	20/40
CLEANING BRUSH SET				
CB18-T0050-23-B				
CB18-T0050-23	1.8	2300	5-7 tapered	20
CB13-50120-01	1.3	-	5/12	20/40
CB18-T5050-23-B				
CB18-T5050-23	1.8	2300	5-7 tapered	20/20
CB13-50120-01	1.3	-	5/12	20/40

Packaging unit: 100 pieces



