



**DILATION**  
**BALLOONS AND WIRES**



# 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

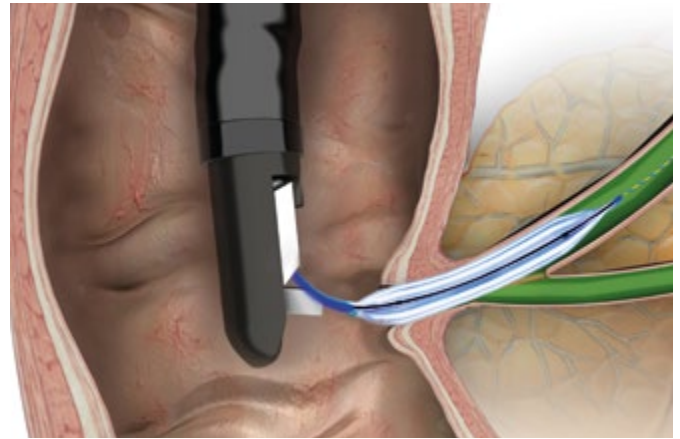
- Three different diameters with three separate pressure levels
- 2 X-ray markers on opposite ends to indicate the exact working length of the balloon
- Rounded Balloon shoulders for clear endoscopic view of the balloon's distal end
- Conical, atraumatic catheter tip
- Preloaded stiffed wire with hydrophilic, 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		
<b>SINGLE-USE INFLATION-INSTRUMENT</b>					
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
<b>MULTI-STAGE DILATION BALLOONS</b>					
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



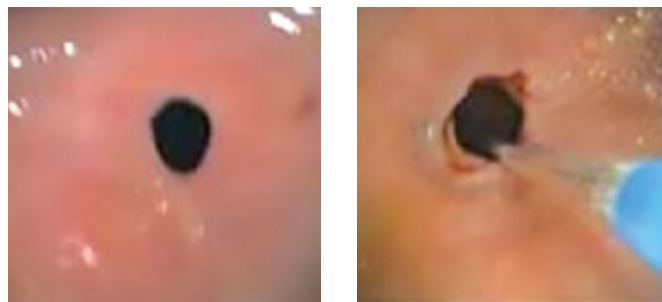
X-ray marking



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
<b>TTS – DILATION BALLOONS</b>						
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
<b>ACHALASIE-BALLOONS</b>						
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
<b>FIXED WIRE BALLOONS</b>						
FWB-06/80-6/18-M	6-7-8	80	6	1800	2.8	Oesophagus
FWB-08/80-6/18-M	8-9-10	80	6	1800	2.8	Oesophagus
FWB-10/80-6/18-M	10-11-12	80	6	1800	2.8	Oesophagus
FWB-12/80-6/18-M	12-13.5-15	80	6	1800	2.8	Oesophagus
FWB-15/80-6/18-M	15-16.5-18	80	6	1800	2.8	Oesophagus
FWB-18/80-6/18-M	18-19-20	80	6	1800	2.8	Oesophagus

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. Two different series are available: the Classic-series made in Germany and the Hydro-Slide-series from MICRO-TECH.

### 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
<b>CLASSIC GUIDE WIRE</b>						
600375-5	0.035"	2600	130	straight	extra stiff, radiopaque	black
600382-5	0.035"	4200	130	straight	hydrophilic, radiopaque	extra stiff $\pm 0.035$ "
600365-5	0.035"	2000	50	straight	radiopaque	black covering
600366-5	0.035"	2000	50	straight	radiopaque	black-yellow
600384-5	0.035"	4500	65	straight	hydrophilic, radiopaque, marks	black
600358-5	0.035"	4500	85	straight	hydrophilic, radiopaque	blue-yellow
600359-5	0.035"	4500	85	J-form	hydrophilic, radiopaque	blue-yellow
600360-5	0.035"	4500	50	straight	hydrophilic, radiopaque	blue-yellow
600361-5	0.035"	4500	50	J-form	hydrophilic, radiopaque	blue-yellow
<b>HYDRO-SLIDE GUIDE WIRE</b>						
MTN-BM-89/45-A	0.035"	4500	60	straight	hydrophilic, radiopaque	blue-yellow
MTN-BM-89/45-A-J	0.035"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow
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-63/45-A	0.025"	4500	60	straight	hydrophilic, radiopaque	blue-yellow
MTN-BM-63/45-A-S	0.025"	4500	60	straight	hydrophilic, radiopaque	extra stiff $\pm 0.035$ "
MTN-BM-63/45-A-J	0.025"	4500	60	J-form	hydrophilic, radiopaque	blue-yellow
MTN-BM-63/45-A-J-S	0.025"	4500	60	J-form	hydrophilic, radiopaque	extra stiff $\pm 0.035$ "
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
MTN-BM-53/45-A	0.021"	4500	60	straight	hydrophilic, radiopaque	blue-yellow
MTN-BM-45/45-A	0.018"	4500	60	straight	hydrophilic, radiopaque	blue-yellow

Packaging unit: Classic guide wire: 1 piece, Hydro-Slide guide wire: 2 pieces



# BOUGIE DILATORS

## SAFE, EASY AND ECONOMICAL DILATION

The reprocessing of a reusable bougie requires a great amount of effort and involves high costs. In contrast, the disposable bougies by MICRO-TECH are immediately ready for use and far more economical. Sterile packed they are durable for up to 2 years and considerably minimize the

risk of cross-contamination. For reliable dilation, you can choose from 16 sizes with a diameter varying from 5 to 20 mm and a length of 850 mm. In addition to the flexibility of the material, these bougies have graduation markers to facilitate an easier orientation during the dilation process.

### SPECIFIC CHARACTERISTICS

- Sterile disposable bougies for direct use
- Elimination of reprocessing costs
- 16 diameters from 5 to 20 mm
- Working length: 850 mm
- Distinctive markings along the working length of the bougie
- Guidewire compatible up to 0.038 inch



High quality bougie tip for precise insertion



Bougie with lengths-marking in cm



## SPECIFICATIONS

REF	Ø mm	Length mm
<b>BOUGIE DILATORS</b>		
MT-05850	5	850
MT-06850	6	850
MT-07850	7	850
MT-08850	8	850
MT-09850	9	850
MT-10850	10	850
MT-11850	11	850
MT-12850	12	850
MT-13850	13	850
MT-14850	14	850
MT-15850	15	850
MT-16850	16	850
MT-17850	17	850
MT-18850	18	850
MT-19850	19	850
MT-20850	20	850

Packaging unit: 1 piece

# SINGLE-USE MARKED SPRING TIP GUIDE WIRE

## GENTLE DILATATION WITHOUT REPROCESSING

### SPECIFIC CHARACTERISTICS

- Flexible spring tip for gentle dilation
- Guide wire with length markings
- Minimizes the risk of injury and cross-contamination
- Sterile and individually packaged



### SPECIFICATIONS

REF	Length mm	Ø spring tip mm	Ø guide wire mm	Ø working channel mm
<b>SINGLE-USE MARKED SPRING TIP GUIDE WIRE</b>				
DG-18-08-21	2100	1.8	0.8	≥2.0

Packaging unit: 10 pcs/box

# NOTES





