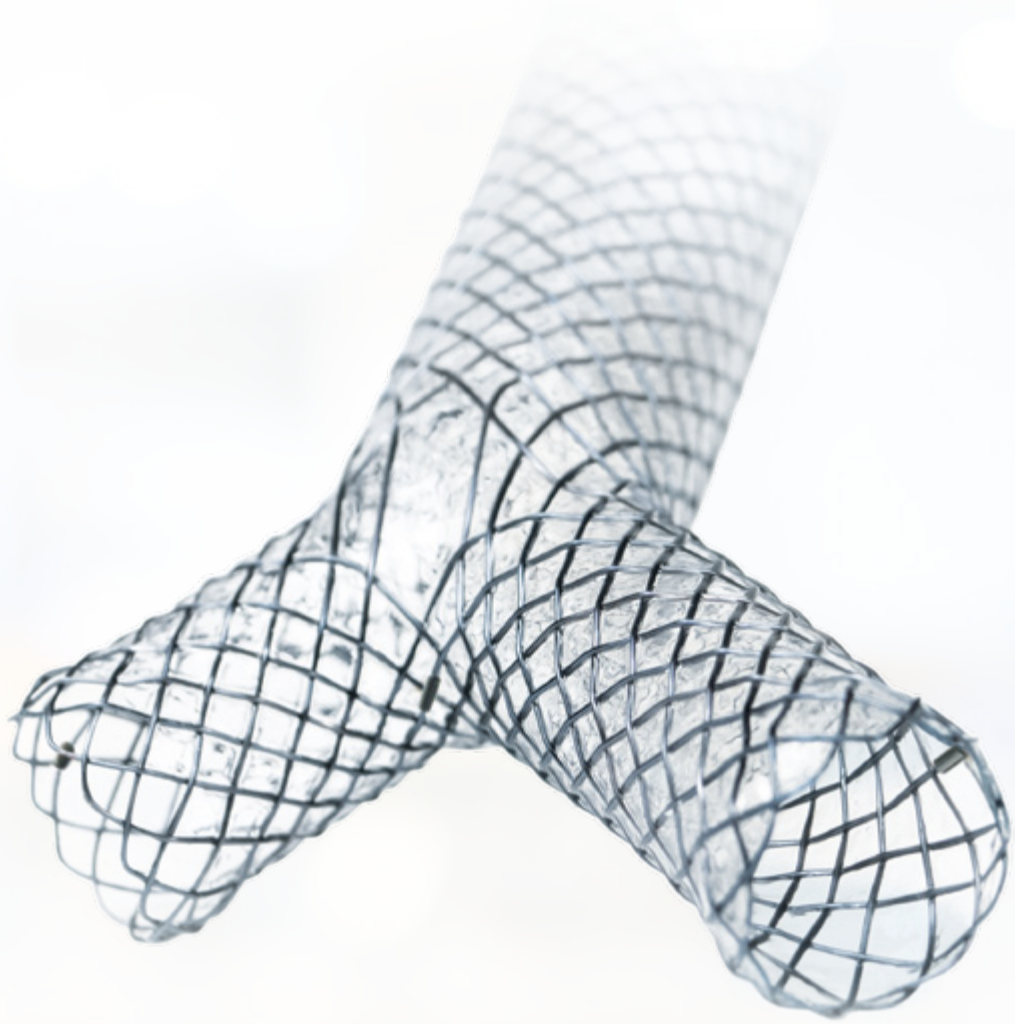
MICRO-TECH
ENDOSCOPY

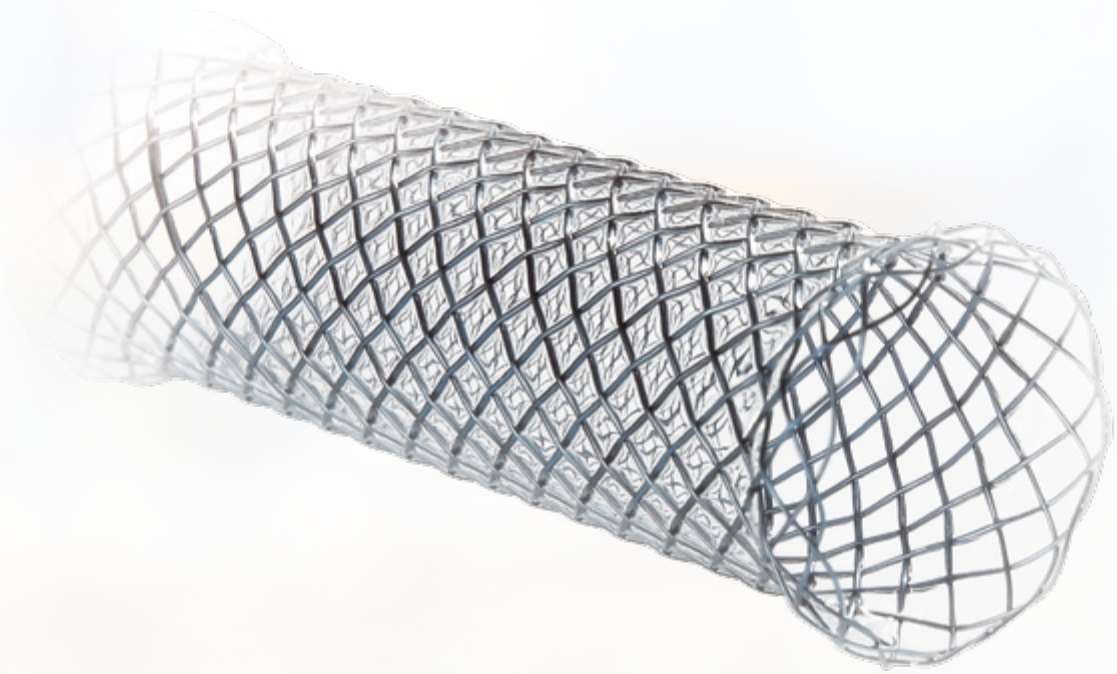


AIRWAY STENTS

TRACHEAL AND BRONCHIAL

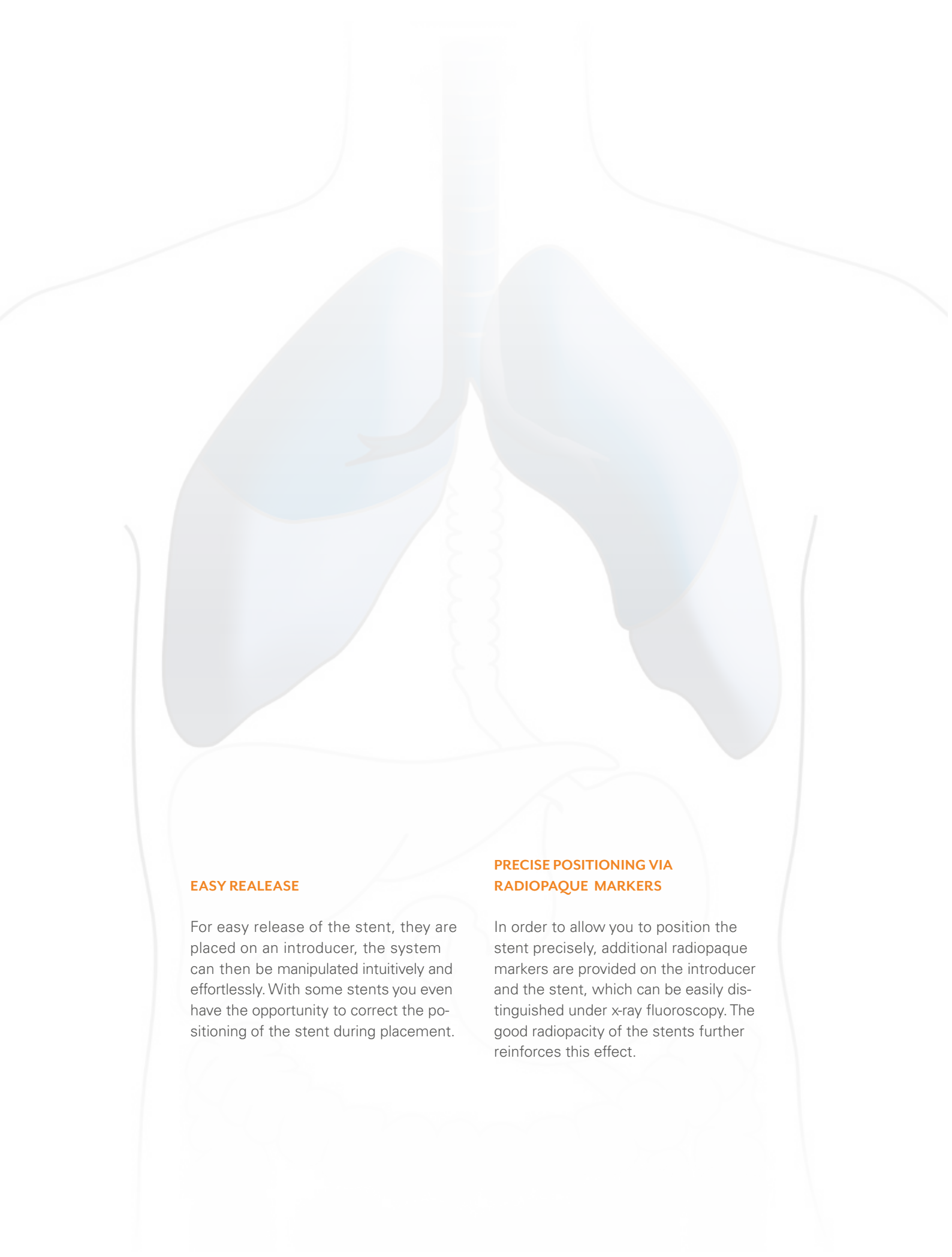
YOUR TRUSTED PARTNER IN ENDOSCOPY

NITINOL STENTS FOR PULMONOLOGY



The safe and effective bridging of stenoses and leakages in the airway demands the highest quality standards from a stent. As one of the world's leading providers, MICRO-TECH offers a comprehensive range of nitinol stents – developed to address a wide variety of indications and clinical challenges.

Each stent is manufactured from a single nitinol wire. This seamless design significantly reduces the risk of fractures at connecting points and ensures exceptional stability. Every stent is crafted by hand with great care – for precision, durability, and reliable performance in everyday clinical use.

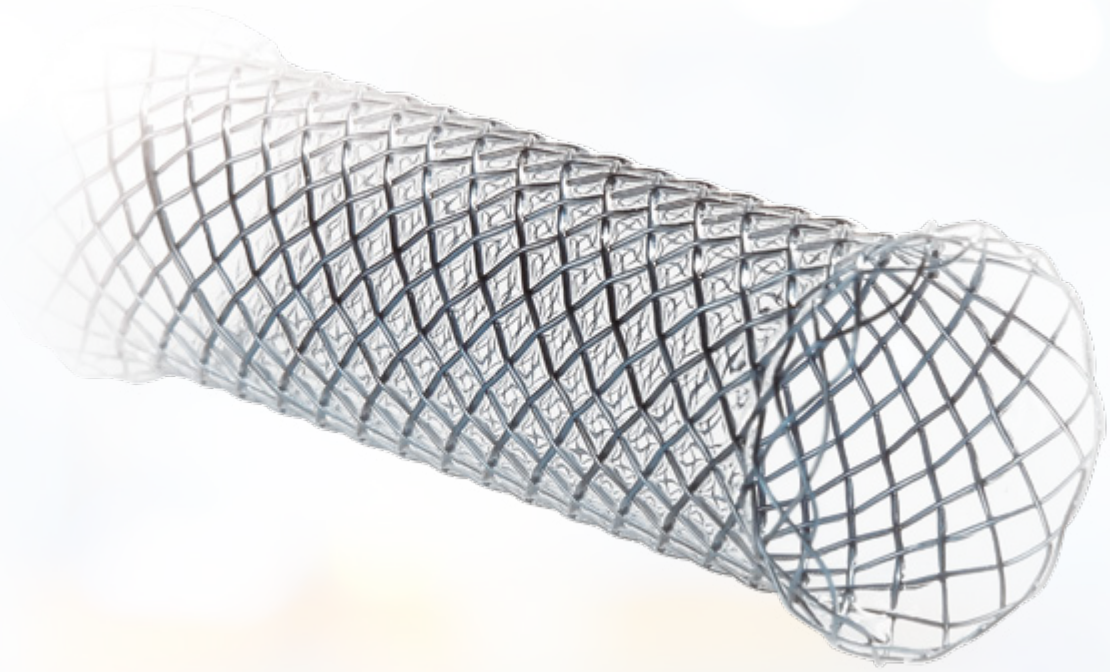


EASY REALEASE

For easy release of the stent, they are placed on an introducer, the system can then be manipulated intuitively and effortlessly. With some stents you even have the opportunity to correct the positioning of the stent during placement.

PRECISE POSITIONING VIA RADIOPAQUE MARKERS

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



TRACHEAL AND BRONCHIAL STENTS OTW

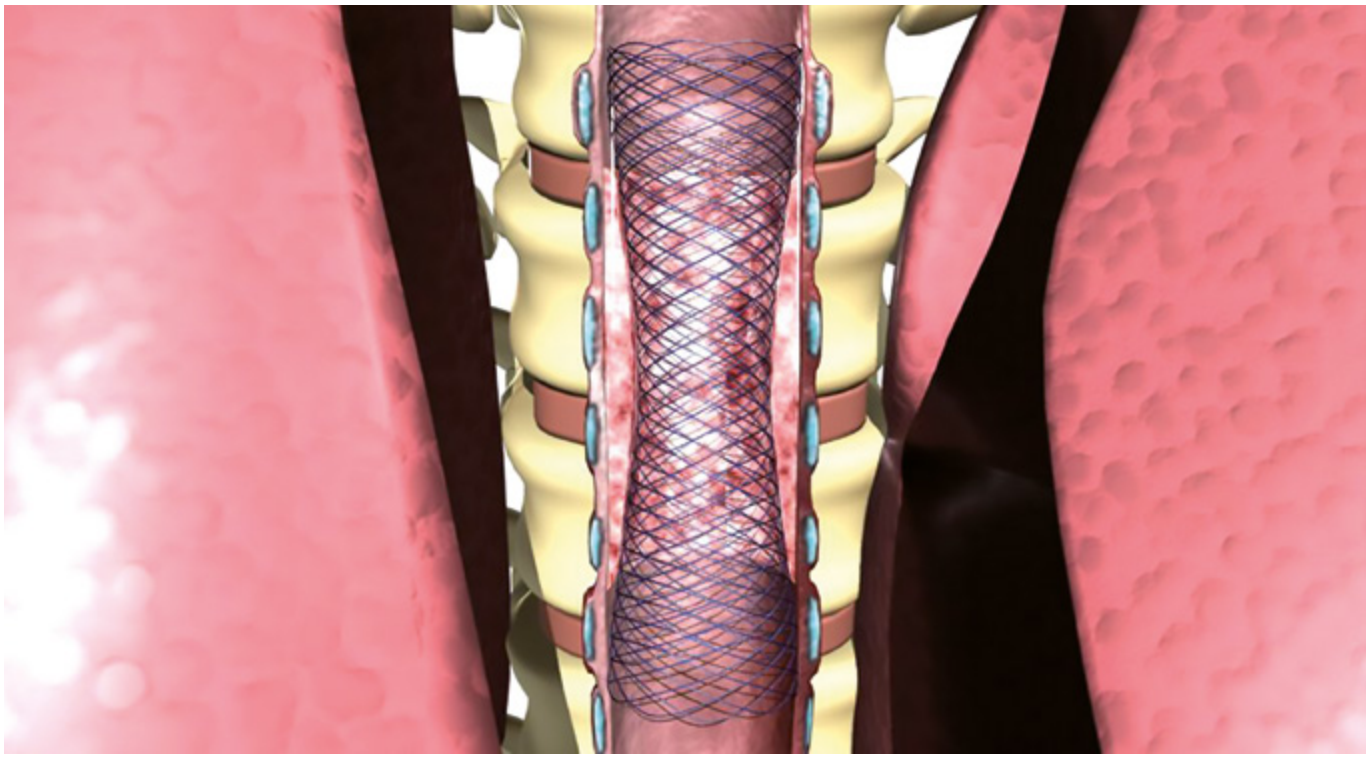
THE RIGHT SOLUTION FOR A WIDE RANGE OF INDICATIONS

The wide range of self-expanding airway stents offers suitable solutions for a variety of indications. In total, six different diameters ranging from 10 to 20 mm and six lengths between 20 and 80 mm are available. Spherical ends and high radial force ensure secure placement and help minimise the risk of migration.

SPECIFIC CHARACTERISTICS

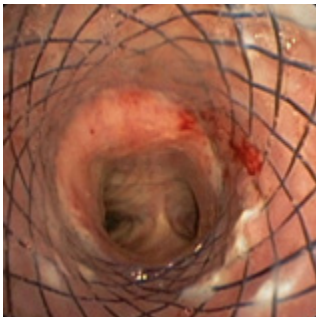
- Atraumatic ends
- Reliable positional stability due to strong radial force
- Resistant and elastic covering
- Increased visibility due to high radiopacity

Spherical end

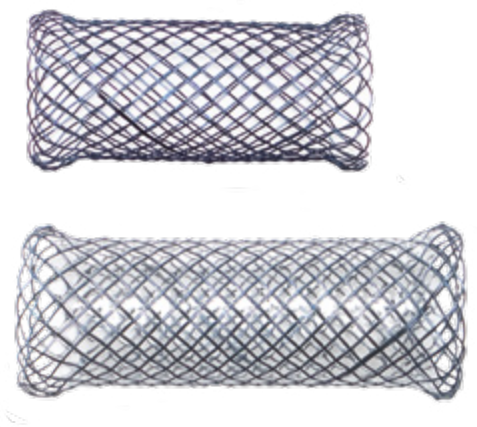


SUCCESSFUL PRACTICAL USE

The characteristic 2.5 mm spherical ends of MICRO-TECH stents, in combination with high radial force, provide reliable positional stability when bridging airway stenoses and leakages.



View into the released Tracheal Stent

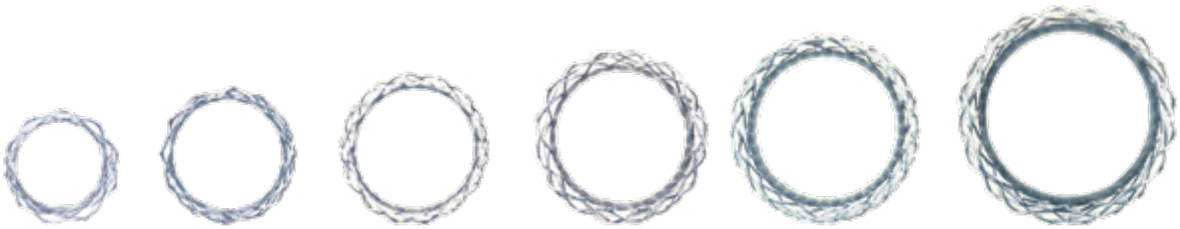


COVERING ACCORDING TO REQUIREMENTS

The stents are fully or partially covered according to requirements.

SIX DIFFERENT DIAMETERS

With a total of six different diameters, the stent size can be precisely adapted to the patient's anatomy. This ensures maximum hold and wearing comfort.



ø 10 mm ø 12 mm ø 14 mm ø 16 mm ø 18 mm ø 20 mm

FOR LONG AND SHORT BYPASSES

A selection of six different lengths is available varying from 20 to 80 mm.

20 mm 30 mm 40 mm 50 mm 60 mm 80 mm

EASILY MANEUVERABLE INTRODUCER

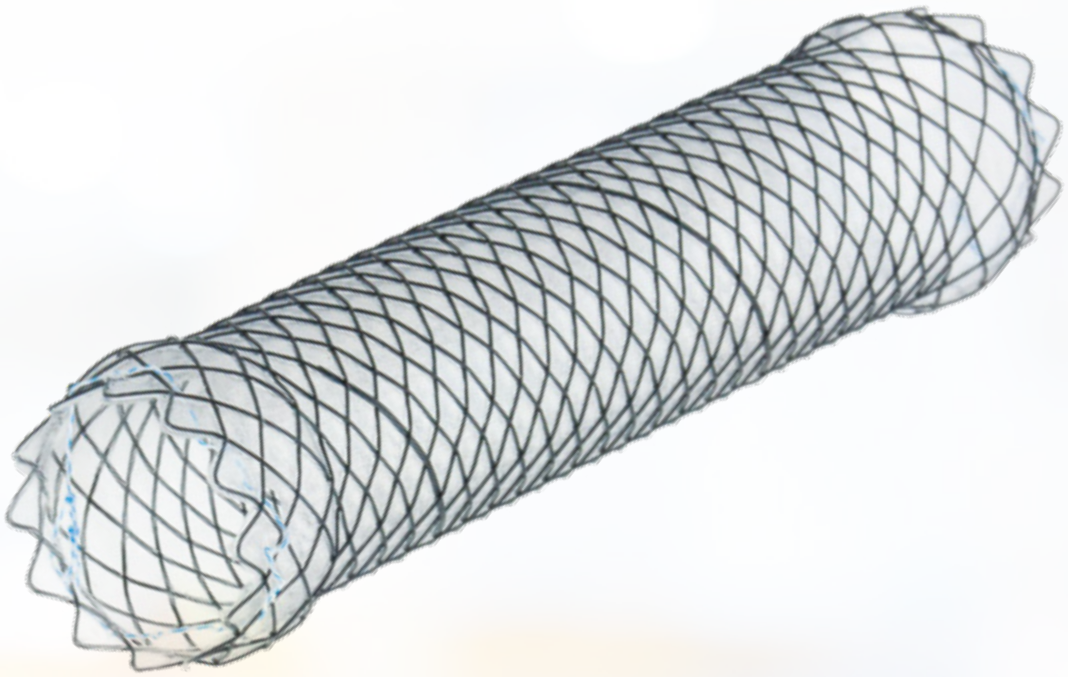
Each stent comes preloaded on an easy-to-use introducer system that allows for quick and accurate deployment. If the stent is released too deep, it can be repositioned proximally after deployment.

SPECIFICATIONS

REF	Ø centre mm	Ø end mm	Length mm	Covering mm	Design of the stent ends
STENTS WITH PARTIAL COVERING					
NST02-332-10.020	10	12	20	15	Spherical
NST02-332-10.030	10	12	30	25	Spherical
NST02-332-12.040	12	14	40	35	Spherical
NST02-332-12.050	12	14	50	45	Spherical
NST02-332-14.020	14	16	20	15	Spherical
NST02-332-14.030	14	16	30	25	Spherical
NST02-332-14.040	14	16	40	35	Spherical
NST02-332-16.040	16	18	40	35	Spherical
NST02-332-16.050	16	18	50	45	Spherical
NST02-332-16.060	16	18	60	55	Spherical
NST02-332-18.060	18	20	60	55	Spherical
NST02-332-20.040	20	22	40	35	Spherical
NST02-332-20.060	20	22	60	55	Spherical
NST02-332-20.080	20	22	80	75	Spherical
STENTS WITH FULL COVERING					
NST02-334-10.020	10	12	20	20	Spherical
NST02-334-10.030	10	12	30	30	Spherical
NST02-334-10.040	10	12	40	40	Spherical
NST02-334-12.020	12	14	20	20	Spherical
NST02-334-12.030	12	14	30	30	Spherical
NST02-334-12.040	12	14	40	40	Spherical
NST02-334-12.050	12	14	50	50	Spherical
NST02-334-14.020	14	16	20	20	Spherical
NST02-334-14.030	14	16	30	30	Spherical
NST02-334-14.040	14	16	40	40	Spherical
NST02-334-14.050	14	16	50	50	Spherical
NST02-334-14.060	14	16	60	60	Spherical
NST02-334-16.030	16	18	30	30	Spherical
NST02-334-16.040	16	18	40	40	Spherical
NST02-334-16.050	16	18	50	50	Spherical
NST02-334-16.060	16	18	60	60	Spherical
NST02-334-16.080	16	18	80	80	Spherical
NST02-334-18.030	18	20	30	30	Spherical
NST02-334-18.040	18	20	40	40	Spherical
NST02-334-18.050	18	20	50	50	Spherical
NST02-334-18.060	18	20	60	60	Spherical
NST02-334-20.040	20	22	40	40	Spherical
NST02-334-20.060	20	22	60	60	Spherical
NST02-334-20.080	20	22	80	80	Spherical

	Ø mm / Fr	Length mm	Guide wire inch	RM*
INTRODUCER SYSTEM (NOT AVAILABLE SEPARATELY)				
NST02-332/334-10. …	4/12	650	0.035	3
NST02-332/334-12 - 20. …	6/18	650	0.035	3

*RM – radiopaque markers



TRACHEAL AND BRONCHIAL STENTS TTS

PRECISE CONTROL DURING BRONCHOSCOPY

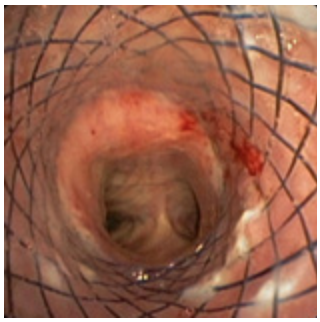
Our through-the-scope (TTS) Tracheal and Bronchial Stents expand the MICRO-TECH range of self-expanding stents. Unlike over-the-wire models, TTS stents allow easy and safe stent placement when viewed directly through a bronchoscope. Five different diameters and six different lengths are available. Each stent features a self-expanding Nitinol wire. Together with the uniquely braided stent ends, this ensures strong hold and minimises the risk of migration.

SPECIFIC CHARACTERISTICS

- Thin application system for 2.8 mm working channels
- Reliable positional stability due to strong radial force
- Resistant and elastic covering
- Integrated guide wire with atraumatic end
- No rigid bronchoscopy required

SUCCESSFUL APPLICATION IN PRACTICE

The signature TTS stent ends provide secure bridging of stenoses and leakages in the trachea. The slightly spherical design ensures a firm hold in any position, which is reinforced by the radial expansion force of the Nitinol wire, enabling the flexible adaptation of the stent to the patient's anatomy.



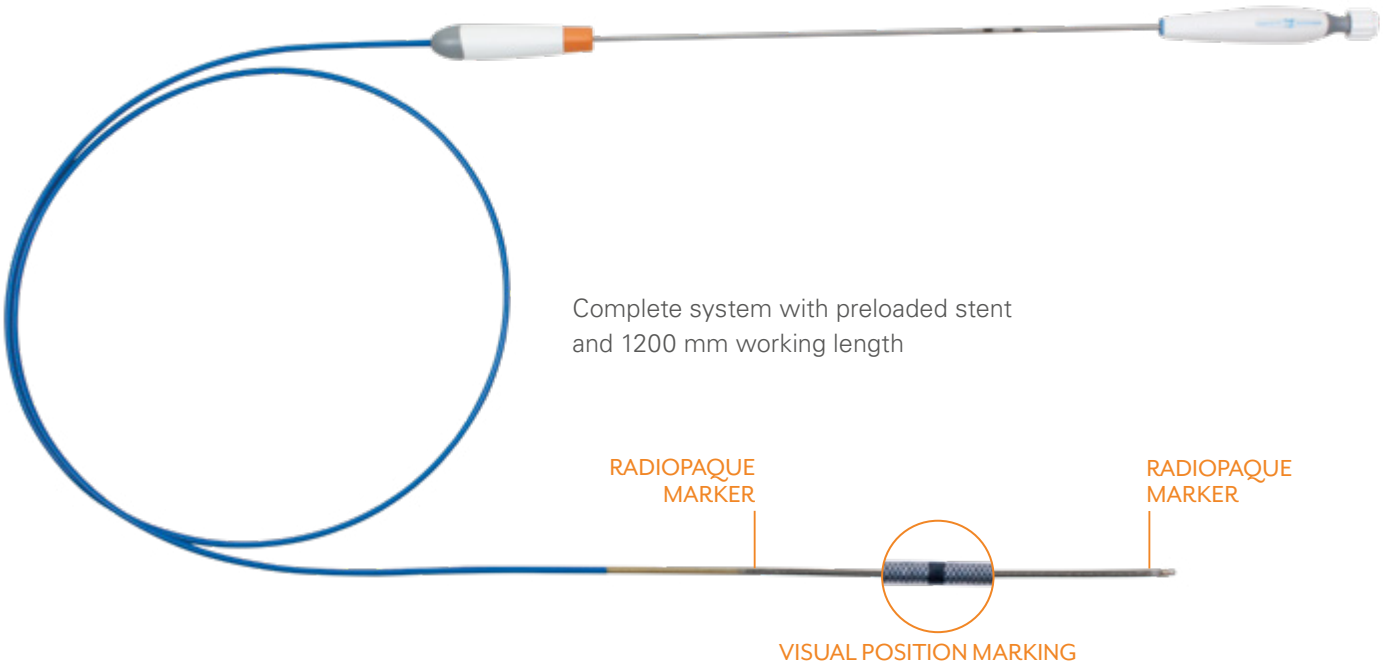
View into the released Tracheal Stent

SPECIALLY BRAIDED STENT ENDS

The stent is made from Nitinol wire, which is both highly flexible and retains its shape. The tips at the stent ends have an angle of less than 90°, which holds them in place inside the tissue and minimises migration. The extraction thread enables accurate repositioning of the stent, supporting optimal placement.

FULLY COVERED

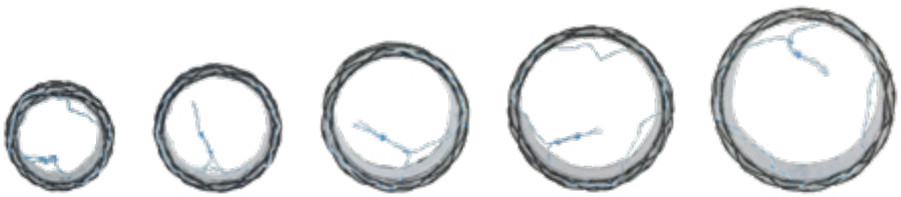
The covering is particularly resilient and elastic. It fits perfectly to the tracheal wall and ensures reliable ventilation.



Complete system with preloaded stent and 1200 mm working length

FIVE DIAMETERS TO CHOOSE FROM

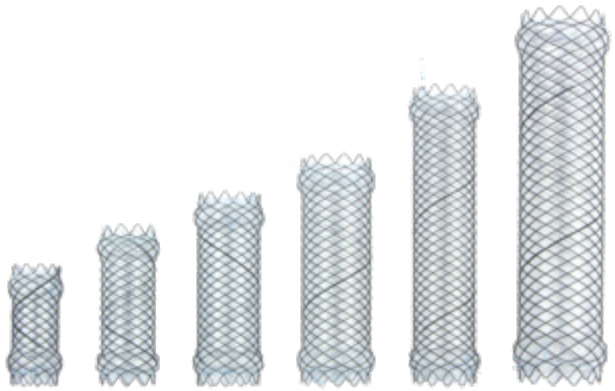
For a precise adaptation of the stent to the patient's anatomy, it is manufactured in five different diameters. This ensures secure positioning and supports patient comfort.



ø 10 mm ø 12 mm ø 14 mm ø 16mm ø 18 mm

STENT LENGTHS FROM 20 TO 80 MM

Our TTS stent portfolio includes six lengths ranging from 20 mm to 80 mm. You thus have the ideal solution at your disposal, depending on the distance that needs to be bridged.



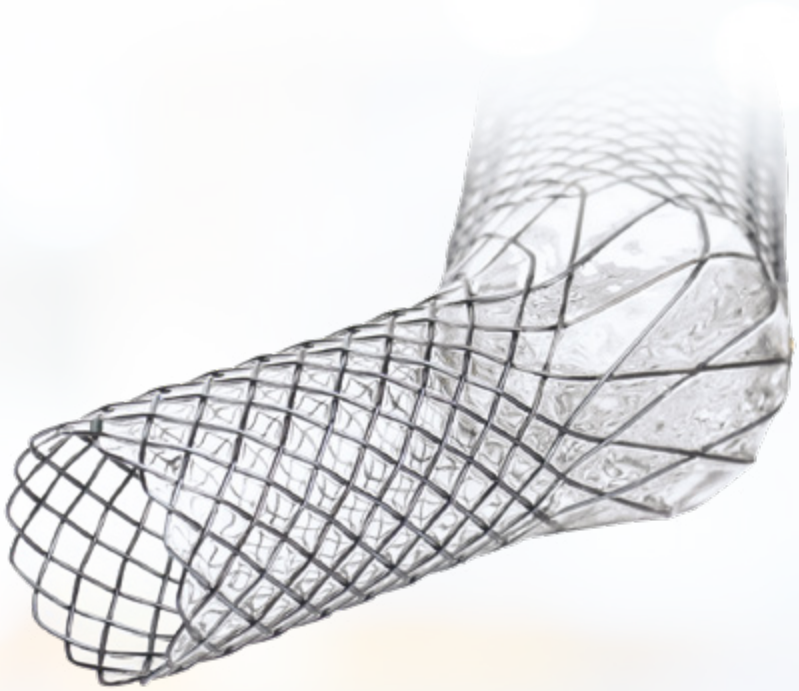
20 mm 30 mm 40 mm 50 mm 60 mm 80 mm

SPECIFICATIONS

REF	Ø mm	Length mm	Working channel mm	Design of the stent ends
TTS STENTS WITH FULL COVERING				
NST12-334-10.020	10	20	2.8	Spherical
NST12-334-10.030	10	30	2.8	Spherical
NST12-334-10.040	10	40	2.8	Spherical
NST12-334-12.020	12	20	2.8	Spherical
NST12-334-12.030	12	30	2.8	Spherical
NST12-334-12.040	12	40	2.8	Spherical
NST12-334-14.020	14	20	2.8	Spherical
NST12-334-14.030	14	30	2.8	Spherical
NST12-334-14.040	14	40	2.8	Spherical
NST12-334-16.040	16	40	2.8	Spherical
NST12-334-16.050	16	50	2.8	Spherical
NST12-334-16.060	16	60	2.8	Spherical
NST12-334-16.080	16	80	2.8	Spherical
NST12-334-18.040	18	40	2.8	Spherical
NST12-334-18.050	18	50	2.8	Spherical
NST12-334-18.060	18	60	2.8	Spherical
NST12-334-18.080	18	80	2.8	Spherical

	Ø mm / Fr	Length mm	Guide wire	RM*
INTRODUCER SYSTEM (NOT AVAILABLE SEPARATELY)				
NST12-334-xx.0xx	2.7/8	1200	Integrated guidewire	2

*RM – radiopaque markers



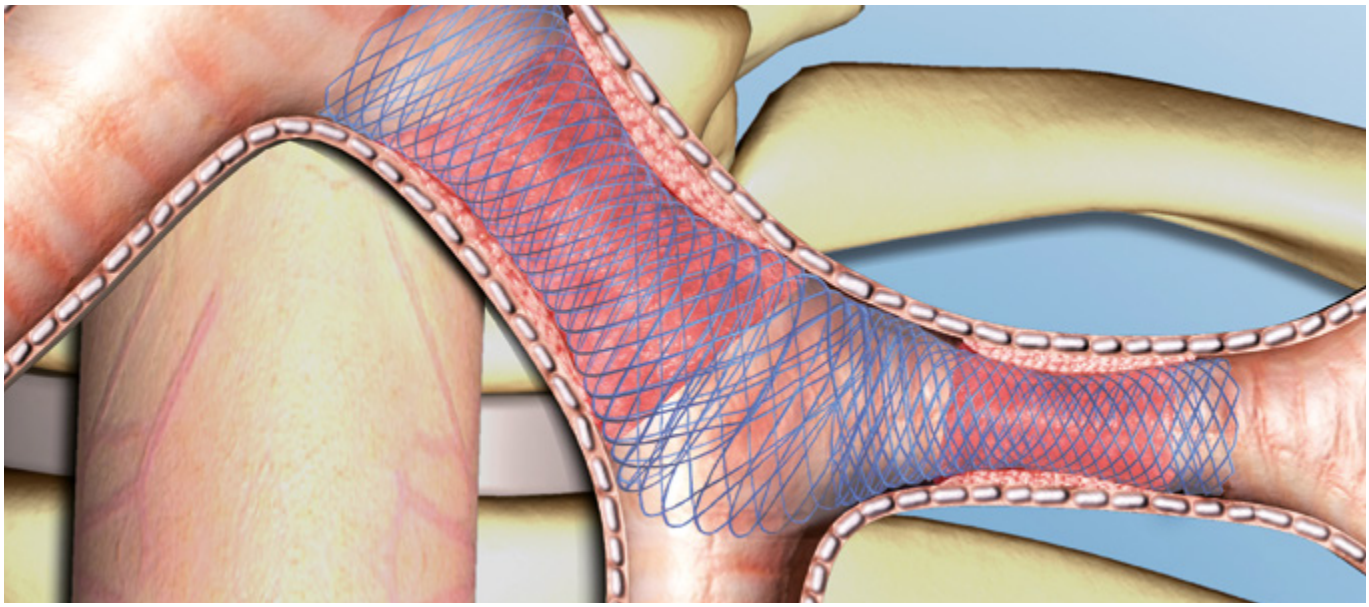
CARINA-J-STENT OTW

SUCCESSFUL RISK MANAGEMENT AFTER PNEUMONECTOMY

MICRO-TECH presents another specialised stent for airway treatment: the self-expanding Carina-J-Stent.The angled J-shaped design allows for secure placement in the trachea and the remaining main bronchus following pneumonectomy. The fully covered stent protects the surgical suture line, seals existing anastomotic leakages, and effectively helps prevent stricture formation. As a result, the Carina-J-Stent reduces the risk of complications and supports the patient's healing process.

SPECIFIC CHARACTERISTICS

- Angled J-design
- Atraumatic ends
- Reliable positional stability due to strong radial force
- Resistant and elastic covering
- Increased visibility due to high radiopacity

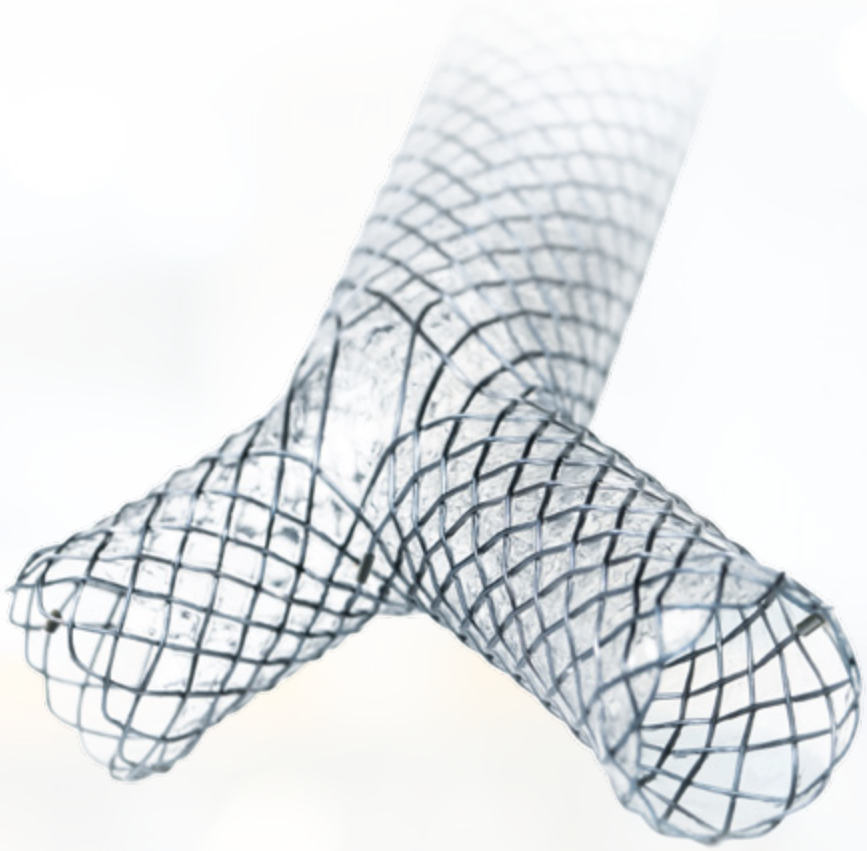


SPECIFICATIONS

REF	Tracheal arm		Bronchial arm		Covering mm
	Ø mm	Length mm	Ø mm	Length mm	Trachea / main bronchus
STENTS WITH FULL COVERING					
NST02-974-16.040-10	16	40	12	30	40/30
NST02-974-20.050-11	20	50	14	30	50/30

	Ø mm / Fr	Length mm	Guide wire inch	RM*
INTRODUCER SYSTEM (NOT AVAILABLE SEPARATELY)				
NST02-974-…	6/18	650	0.035	3

*RM – radiopaque markers



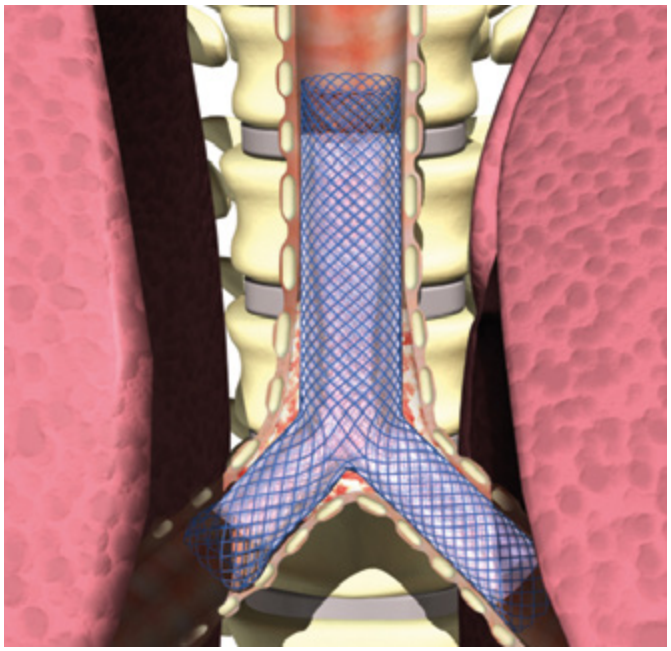
CARINA-Y-STENT OTW

A SUITABLE SOLUTION FOR THE CENTRAL AIRWAYS

Rely on a proven solution for bridging airway stenoses at the carina: the Carina-Y-Stent from MICRO-TECH. First developed in 2006, it has since been continuously refined. Our many years of experience with this specialised stent design are reflected in every detail of the product. The angled Y-shape ensures stable positioning and secure placement in stenoses of the trachea and main bronchi – especially at the carina. The specially developed introducer system enables precise and controlled application. Its ergonomically designed structure allows for comfortable and safe handling, while colour-coded olive tips and pull rings provide additional orientation during the release of the two bronchial arms.

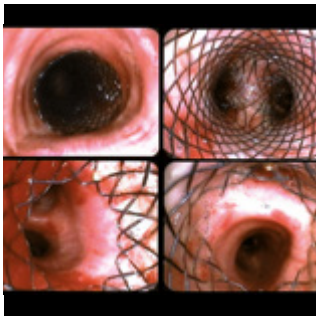
SPECIFIC CHARACTERISTICS

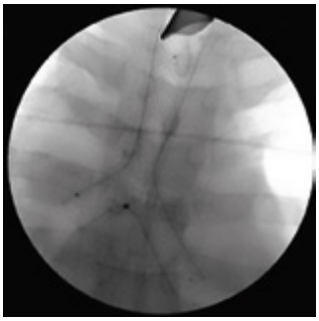
- Y-design
- Atraumatic ends
- Reliable positional stability due to strong radial force
- Resistant and elastic covering
- Increased visibility due to high radiopacity
- Compatible for 2 guide wires of up to 0.035 inches



SUCCESSFUL PRACTICAL USE

When using the Y-stent from MICRO-TECH, the trachea, both main bronchi and the carina area can be reliably by-passed and sealed. In doing so, the covered Nitinol mesh adapts to the anatomy ideally. The excellent radiopacity of the stent and the additional radiopaque markers at significant orientation points ensure precise positioning.





Photos: Positional control of released Y-stent
(Dr. Dutau, Hôpital Sainte-Marguerite, Marseille)

SPECIFICATIONS

REF	Trachea Ø mm / Length mm	Right main bronchus Ø mm / Length mm	Left main bronchus Ø mm / Length mm	Covering mm Trachea / right / left main bronchus
CARINA-Y-STENT OTW				
NST02-962-16.040-78	16/40	12/20	12/30	40/15/30
NST02-962-20.050-106	20/50	14/20	14/30	50/15/30
NST02-962-16.040-77	16/40	12/15	12/30	40/10/30
NST02-962-20.050-105	20/50	14/15	14/30	50/10/30

	Ø mm / Fr	Length mm	Guide wire inch	RM*
INTRODUCER SYSTEM (NOT AVAILABLE SEPARATELY)				
NST02-962-…	8/24	650	2 x 0.035	2

*RM – radiopaque markers

MICRO-TECH ENDOSCOPY

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