

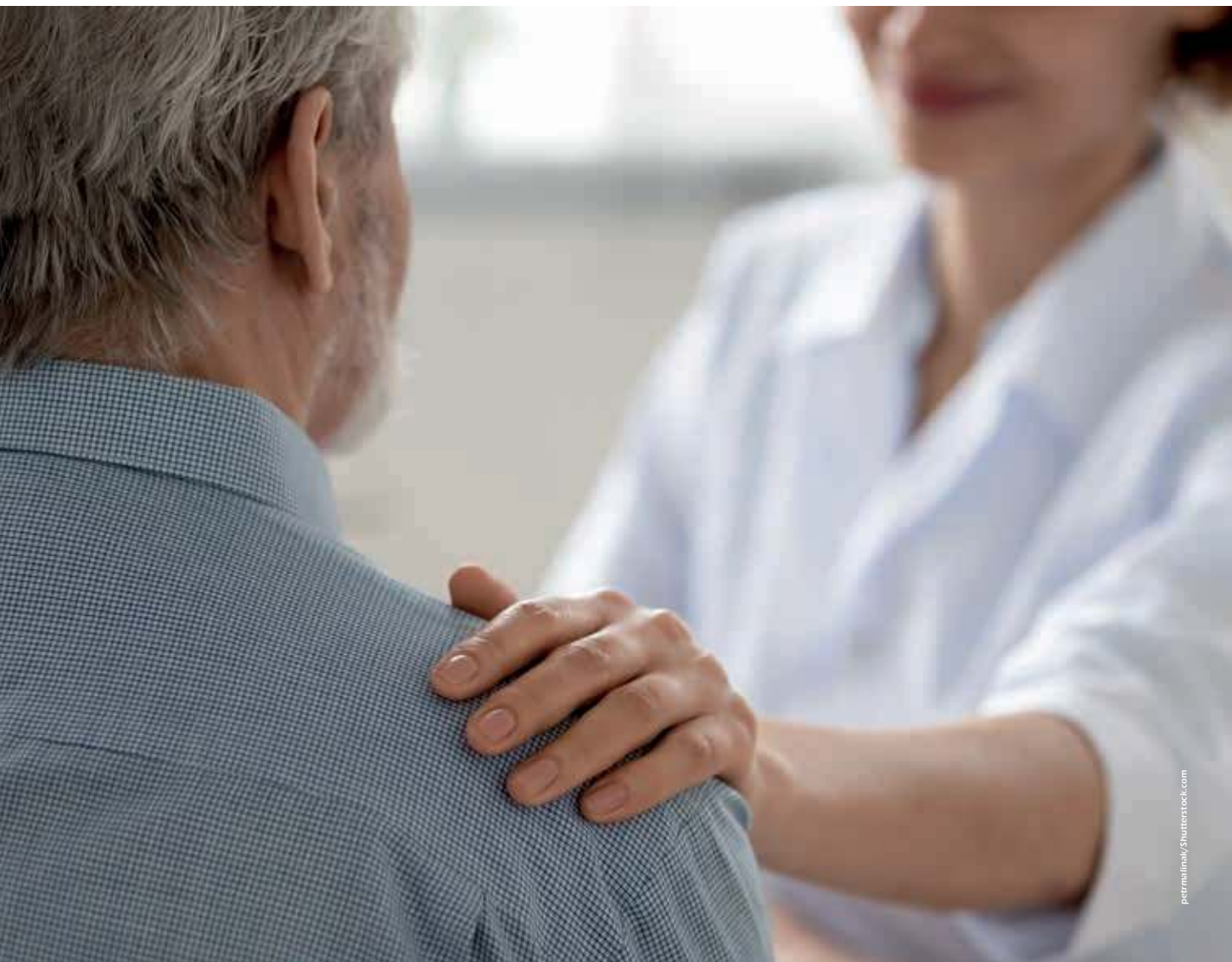
TRACHEOSTOMY TUBES

We see it as our task to provide individual and needs-oriented care for tracheotomised and laryngectomised patients. To accomplish this, we offer a variety of tracheostomy tubes in different materials, sizes, lengths and in a wide range of designs.

To meet the needs of the patient in the best possible way, we also carry the products of all other cannula manufacturers in our product portfolio in addition to our own tracheostomy tubes. Last but not least, we achieve the fastest possible delivery through our large stock holdings, with a stock of approx. 60,000 tracheostomy tubes in approx. 4,000 variants.

Our range includes various tracheostomy tubes which differ in numerous features, such as material, size, length and type of design.

Finding the optimal tracheostomy tube for the individual patient requires a high level of expertise. Various factors play a role in the decision to use a tracheostomy tube, whereby the focus should always be on a suitable fitting for the individual. The diagnosis is crucial here (laryngectomy, laryngectomy with tracheoesophageal shunt, tracheotomy, ventilation). When searching for the right tracheostomy tube, it is necessary to ask in detail about factors that are decisive for finding right the product.



WHICH DIAGNOSES REQUIRE A TRACHEOTOMY?

- ▶ Ventilation or spontaneous breathing
- ▶ Limited vocal cord function
- ▶ COPD
(chronic obstructive pulmonary disease)
- ▶ Stenosis
(due to recurrent paresis or tumour)
- ▶ Hypoxic brain damage
- ▶ Dysphagia
- ▶ Laryngectomy with placement of a tracheoesophageal shunt
- ▶ Apoplexy
- ▶ laryngectomy

WHAT TYPES OF TRACHEOSTOMA ARE THERE?

- ▶ Percutaneous dilatation tracheotomy
- ▶ Plastic tracheotomy
- ▶ Surgical tracheotomy/tracheostomy

WHAT ARE THE OBJECTIVES OF REHABILITATION?

- ▶ Securing the airways
- ▶ Pulmonary rehabilitation
- ▶ Option of phonation
- ▶ Optimising the swallowing process
- ▶ Decannulation
- ▶ Mobilisation
- ▶ Optimisation of care in case of hypersalivation (increased salivation)

WHAT IS THE PATIENT'S CLINICAL CONDITION?

- ▶ Assessment of the patient's level of consciousness and orientation
- ▶ Possibility of instructing the patient in tracheostomy tube care

CHOOSING THE CANNULA SIZE

When selecting a tracheostomy tube, one should ensure that a tracheostomy tube with the largest possible internal diameter is used. This both allows the cannula wearer to breathe safely with little resistance and reduces the risk of obstruction of the lumen due to accumulation of secretions.

To avoid the accumulation of secretions in the tracheostomy tube, it is possible to use tubes with an inner cannula. The inner cannula can be removed quickly and cleaned if necessary. This avoids having to change the entire outer cannula. In the selection of tracheostomy tubes of different materials, it should be noted that the material strength could also influence the inner volume of the cannula. For example, because of the relatively thick-walled material, a plastic cannula has a smaller inner lumen than the thin-walled silver cannula. When making a comparison, therefore, both the inner diameter (I. D.) and the outer diameter (O. D.) need to be taken into account. In practice, this has an impact especially when a cannula type is being changed (e.g. from a silver cannula to a plastic spiral cannula).

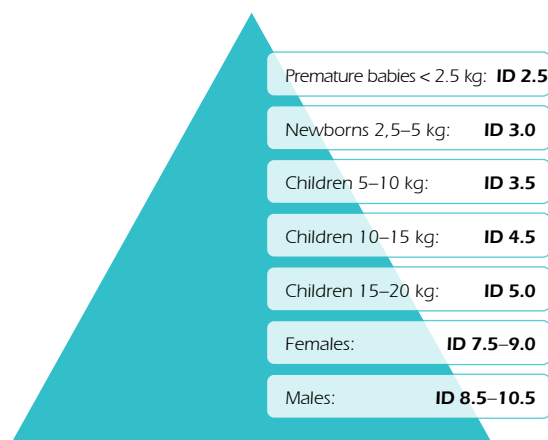
Of course, the first thing to pay attention to is the outer diameter, which is relevant for the exact adaptation of the tracheostomy tube to the individual anatomy of the tracheostoma and the trachea. When selecting the size, it should be noted that the different materials and their respective wall thicknesses have different effects on the outer diameter. For example, a tracheostomy tube in size 9 results in a 2 - 5 mm larger outer diameter, depending on the preferred material.

In addition, the tracheostomy tube needs to be checked to see whether it is a tapered tracheostomy tube or a cylindrical tube, whereby tapered tracheostomy tubes are more comfortable to insert when changing the tube. As tapered tracheostomy tubes have a smaller diameter at their tip than immediately behind the neck flange, the standard

defines that the size designation of the tube refers to the inner diameter at the tip of the tube.

When changing to a different type of cannula while taking the outer diameter into account, it must also be taken into consideration that the inner diameter may be reduced due to the material used. The subjective breathing sensation of the cannula wearer may be impaired here (shortness of breath/performance restrictions). In terms of phonation, a larger inner diameter can sometimes be problematic for the patient, as the pressure of the airflow decreases, making it more difficult to speak.

The following information is based on experience and can be used as a guide for the use and sizing of tracheostomy tubes:



Care should be taken to ensure that in children the cannula needs to be continuously adjusted according to the stages of growth/development.

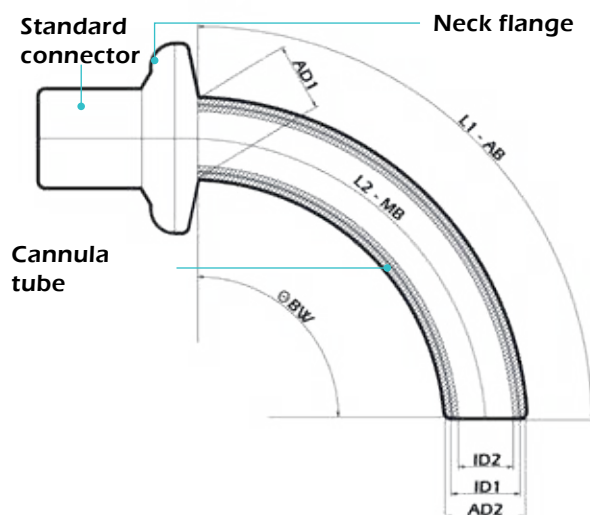
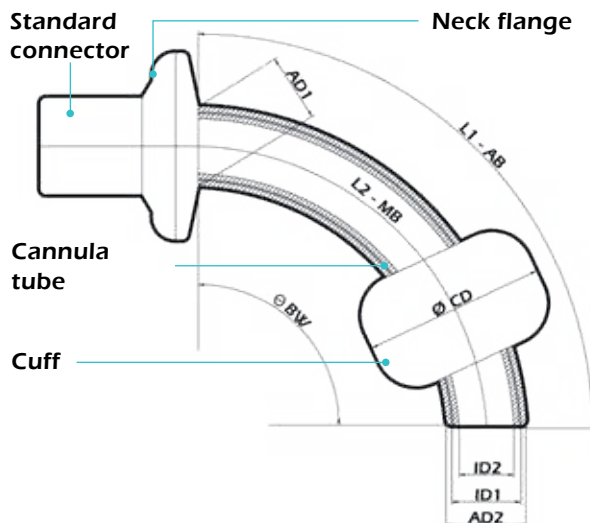
CHOOSING THE CANNULA LENGTH

When selecting the length of the tracheostomy tube, the special conditions of the tracheostoma and trachea play a decisive role. To provide effective prophylaxis against tracheomalacia or tracheal stenosis, care should be taken to alternate tracheostomy tubes of different lengths. In general, extra-long tracheostomy tubes are ideal for bridging stenoses, whereas short tubes are well suited for the exclusive stabilisation of the tracheostoma, e.g. after a laryngectomy. They largely avoid irritations such as foreign body sensation,

increased secretion, etc.

Today, there is a wide range of materials that are used to manufacture tracheostomy tubes. Incompatibilities with materials should be avoided here (e.g. allergies to silver or latex).

The length of the cannula must always be adapted to the individual anatomy.



AD1	= Outer diameter at the neck flange
AD2	= Outer diameter of the tip of the cannula
ID1	= Inner diameter at the cannula tip of the outer cannula
ID2	= Inner diameter at the cannula tip of the inner cannula
L1 - AB	= Length over the outer curve
L2 - MB	= Length over the central arch
Θ - BW	= Bending angle
$\emptyset$ - CD	= CUFF diameter
IC	= Inner cannula
AK	= Outer cannula
All specifications in mm	

TRACHEOSTOMY TUBES MADE OF SILVER

ADVANTAGES

- ▶ Very long durability when regularly reconditioning by the manufacturer
- ▶ Very large inner diameter is possible due to the thin material thickness
- ▶ Antibacterial effect due to silver
- ▶ Easy cleaning of the cannula
- ▶ Sterilisation possible
- ▶ Individual product modifications are feasible

DISADVANTAGES

- ▶ Risk of pressure ulceration within the trachea and the tracheostoma canal
- ▶ Inner cannulas are only compatible with a specific outer cannula
- ▶ Cold conductor at very low temperatures
- ▶ Not flexible in case of incorrect cannula length



TRACHEOSTOMY TUBES MADE OF SILICONE DEHP-FREE

ADVANTAGES

- ▶ Very soft and supple quality
- ▶ Period of use up to approx. 6 months
- ▶ Special sieving possible, thus individual adaptation for voice prosthesis wearers or phonation optimisation for tracheotomised patients
- ▶ Various lengths are available
- ▶ Very well suited for weaning from cannulas
- ▶ Can be used with radiotherapy
- ▶ Sterilisation is possible (depending on the product, see manufacturer's instructions)

DISADVANTAGES

- ▶ Relatively thick-walled cannula tube
- ▶ Candida colonisation possible



TRACHEOSTOMY TUBES MADE OF PVC

DEHP-FREE

ADVANTAGES

- ▶ Plastic cannulas turn softer at body temperature and thus adapt very well to anatomical structures
- ▶ High degree of variability due to the use of different inner cannulas
- ▶ Can be used during magnetic resonance imaging (MRI) (only applies to tracheostomy tubes without metal components)
- ▶ Very well suited for weaning from cannulas
- ▶ Low weight
- ▶ Individual product modifications are feasible (e.g. sieving)
- ▶ Many plastic tracheostomy tubes feature an X-ray contrast strip

DISADVANTAGES

- ▶ Relatively thick-walled cannula tube
- ▶ Candida colonisation possible



TRACHEOSTOMY TUBES MADE OF POLYURETHANE

ADVANTAGES

- ▶ Thinner wall thickness and dimensionally stable
- ▶ Easy change of cannula by the patient
- ▶ Can be used during magnetic resonance imaging (MRI) (only applies to tracheostomy tubes without metal components)
- ▶ Many tracheostomy tubes made of polyurethane feature an X-ray contrast strip
- ▶ High degree of variability due to the use of different inner cannulas

DISADVANTAGES

- ▶ Steam sterilisation not possible
- ▶ Individual product modifications rarely feasible



SPIRAL CANNULAS WITH METAL SPIRAL

ADVANTAGES	DISADVANTAGES
▶ Highly flexible, thus good adaptation to the anatomy and good acceptance by the cannula wearer ▶ Good compensation to the skin level possible with adjustable neck flange ▶ Very well suited for obese patients ▶ Also available as sieved variants ▶ Various lengths are available	▶ No individual product modifications possible (e.g. special sieving) ▶ Relatively thick-walled cannula tube, hence smaller inner diameter ▶ Contraindicated for irradiation in the cannula region (risk of burns) ▶ Cannot be used during MRI (risk of dislocation)



SPIRAL CANNULAS WITH PLASTIC SPIRAL

ADVANTAGES	DISADVANTAGES
▶ Use during magnetic resonance imaging (MRI) possible due to the plastic spiral ▶ Highly flexible, thus good adaptation to the anatomy and good acceptance by the cannula wearer ▶ Good compensation to the skin level possible with adjustable neck flange ▶ Very well suited for obese patients	▶ No individual product modifications possible (e.g. special sieving) ▶ Relatively thick-walled cannula tube, hence smaller inner diameter



NECK FLANGE

Selection of the appropriate tracheostomy tube often also depends on the neck flange. Due to the variety of different materials and shapes available on the cannula market, care must be taken to ensure that individual needs and anatomical conditions are taken into consideration. For example, this includes very deep stomas and protruding muscle bundles of the patient. There are rigid, flexible, straight, oval and concave neck flanges, which are usually firmly attached to the cannula tube. An additional variant is an adjustable neck flange, which allows a variable cannula length of the proximal branch.

Furthermore, there are tracheostomy tubes with a neck flange that can be moved vertically and horizontally or in a ball-and-socket joint by means of a special suspension. The placement of the retaining eyelets for the tube holding strap also plays a decisive role. Slightly vertically angled retaining eyelets may prevent unintentional dislocation from the tracheostoma. The holding strap should not

move the cannula in a cranial direction, as the tracheostoma can be severely deformed by such permanent loading.



TRACHEOSTOMY TUBES WITHOUT CUFF

Cannulas without a cuff are to be used in patients who are not normally ventilated or are not at a high risk of aspiration. A prerequisite for the use of these cannulas is an efficient and safe swallowing process of the patient.

The tracheostomy tubes without cuff usually have an inner cannula, which makes secretion management easier for the user.

In paediatric care, these cannulas play a major role, especially with regard to ventilation, as unblocked tracheostomy tubes are usually used here.



TRACHEOSTOMY TUBES WITH CUFF

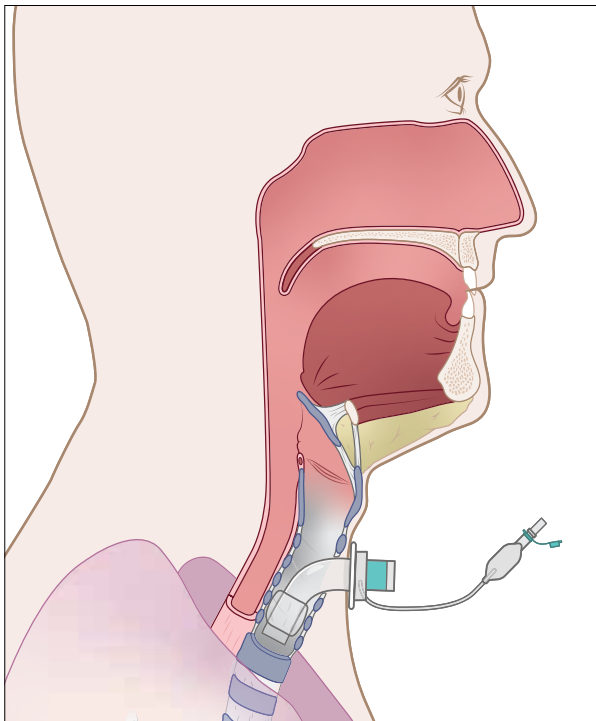
The cuff is used to seal the cannula tube against the tracheal wall. It can be inflated like a balloon. A distinction is made between tracheostomy tubes with a cuff (low-pressure cuff) to keep the pressure load on the tracheal mucosa as low as possible or tracheostomy tubes with high-pressure cuffs, where a higher pressure is built up in the cuff. These are currently rarely used and only offered by few manufacturers. The small pilot balloon on the inflation tube indicates whether the tracheostomy tube is in sealed (inflated) or non-sealed condition.

Of course, regular and documented cuff pressure checks should be performed in case of blocked cannulas. With the aid of a cuff pressure gauge, the cuff pressure must be checked at least every 6 hours and adjusted if necessary. In addition,

this check should be performed every time the patient changes position.



TRACHEOSTOMY TUBE WITH CUFF



- ▶ Preserved larynx
- ▶ Breathing through the cannula
- ▶ Protection against aspiration of liquids into the airways



TRACHEOSTOMY TUBES WITH CUFF

INDICATION	DISADVANTAGES
▶ For ventilated patients ▶ For patients suffering from dysphagia ▶ For patients with increased bleeding tendency due to tumours ▶ As aspiration protection	▶ Changing tracheostomy tubes is associated with more effort than with tubes without a cuff ▶ A cuff pressure check must be performed regularly with the aid of a cuff pressure gauge (the cuff pressure should be kept constant at 20 - 30 cm H₂O) ▶ Risk of complications, e.g. pressure necrosis in the trachea due to identical contact surface of the cuffs ▶ There is a risk of tracheomalacia and dangerous tracheoesophageal fistulas if the same cannula lengths are used continuously or if the cuff pressure is too high ▶ May cause irritation and interfere with swallowing.

SIEVED TRACHEOSTOMY TUBES

Sieved tracheostomy tubes are generally used for phonation in tracheotomised patients with an intact glottis function and adequate subglottal pressure. When using such tracheostomy tubes it is important to ensure free airways in direction of the larynx.

The field of indication also extends to laryngectomised patients provided with a shunt valve ("voice prosthesis"). Care should be taken to ensure that the sieve is under no circumstances placed in the tracheostoma canal and does not come into direct contact with the tracheal mucosa. This prevents the infiltration of tissue into the sieve, which could otherwise result in injuries when changing the

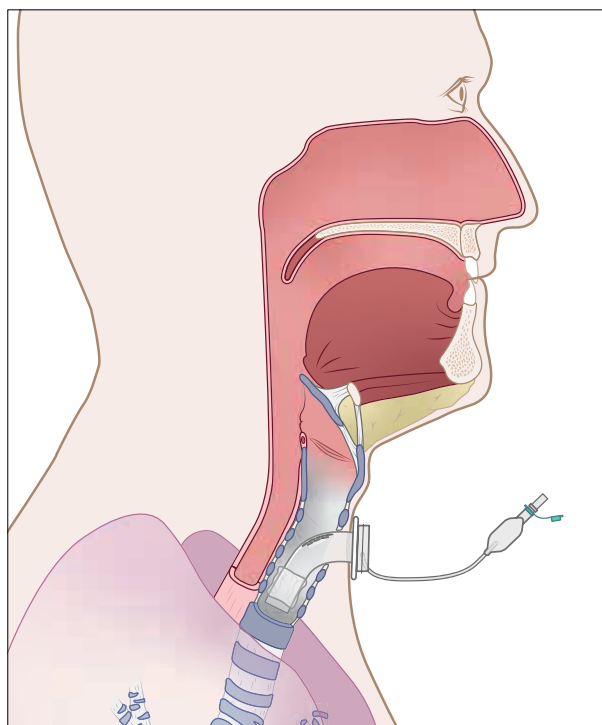
tracheostomy tube. Especially for children, an unsieved cannula in a smaller size should be preferred instead of a sieved cannula.

There are tracheostomy tubes with horizontal sieving as well as graduated sieving in the cannula tube. This roof-tile-like sieving reduces secretion leakage through the sieve into the tracheobronchial system. At the same time, the atraumatic cannula sieving ensures that granulation formation is reduced. If possible, continuous fenestration of outer cannulas should be avoided, as this can favour tissue infiltration on the one hand, and on the other causes an increased risk of catheter-related injuries to the tracheal mucosa during suction procedures.

SIEVED TRACHEOSTOMY TUBES



TRACHEOSTOMY TUBE WITH CUFF AND SIEVE



- ▶ Preserved larynx
- ▶ Breathing through the cannula
- ▶ Phonation option
- ▶ Protection against aspiration of liquids into the airways with closed inner cannula



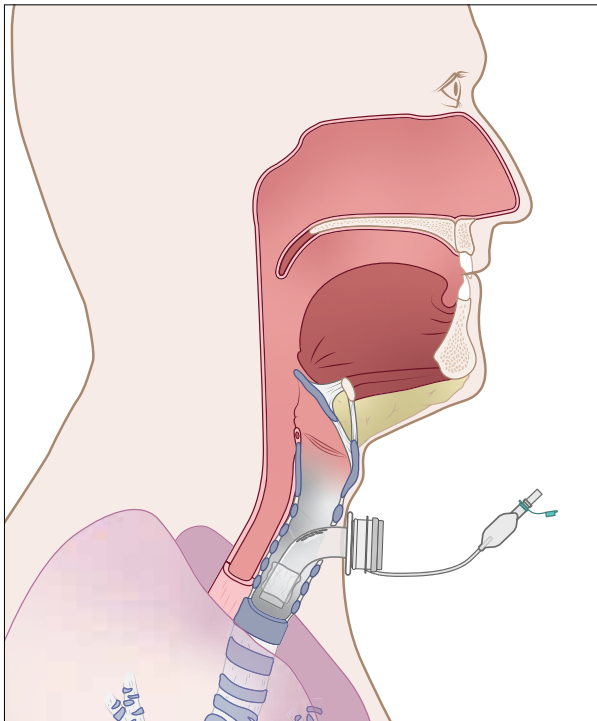
SPEAKING VALVES

Speaking valves can be used in tracheotomised patients in conjunction with a sieved outer cannula. The speaking valve closes during expiration and the air flows through the sieve in the outer cannula in direction of the larynx and can then be used for voice formation. One distinguishes between two different types of valves: those which close themselves (active) and those which close as a result of the air flow (passive). Which one is to be used for which patient depends on the patient's individual situation and respiratory capacity. In laryngectomised patients, the use of a classic tracheostomy tube with a speaking valve is not possible. For patients fitted with a shunt valve for vocalisation, special tracheostoma valves are used for phonation (those which are only closed for speaking when the blowing pressure is increased) in combination

with a sieved tracheostomy tube, stoma button or base plate with finger-free speaking function.



TRACHEOSTOMY TUBE WITH CUFF AND SPEAKING VALVE



- ▶ Preserved larynx
- ▶ Breathing through the cannula
- ▶ Protection against aspiration of liquids into the airways
- ▶ Speaking option with additional speaking valve possible with unblocked cannula



CANNULAS WITH SUBGLOTTIC SUCTION

A special variant of a tracheostomy tube with cuff is the tube with subglottic suction. These trache-

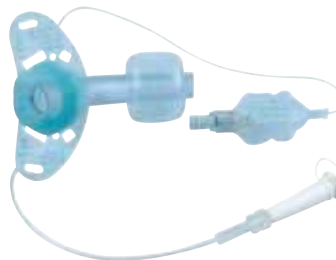
ostomy tubes are usually used in patients at high risk of aspiration.

ADVANTAGES

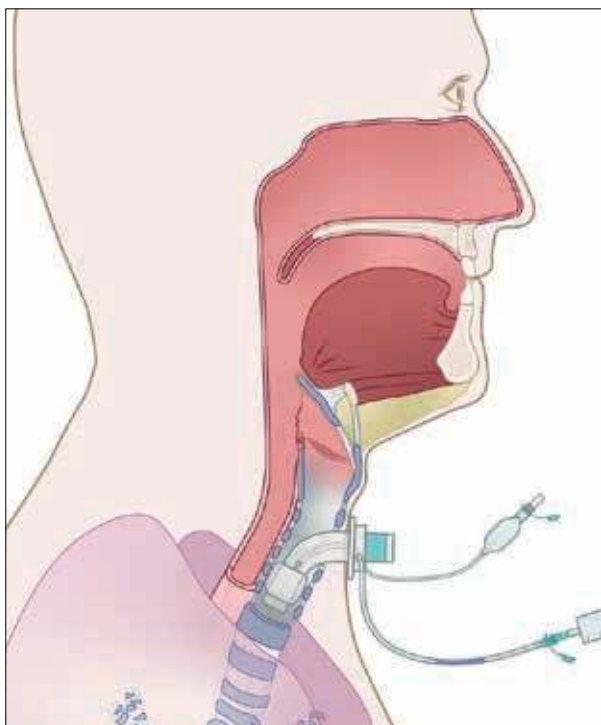
- ▶ For suctioning secretions in the subglottic space above the cuff
- ▶ To prevent micro-aspirations and recurrent bronchopulmonary infections
- ▶ For patients suffering from dysphagia
- ▶ For patients with hypersalivation (increased secretion)

DISADVANTAGES

- ▶ Not to be used in case of anticoagulant therapy (risk of bleeding)
- ▶ Rapid occlusion of the suction channel in case of viscous secretion



CUFFED CANNULA WITH SUBGLOTTIC SUCTION



- ▶ Preserved larynx
- ▶ Breathing through the cannula
- ▶ Protection against penetration of foreign matter into the airways
- ▶ Suction option via integrated suction tube of the cannula



INNER CANNULAS

Inner cannulas are generally used to facilitate secretion management for the user, so that the inner cannula can be replaced quickly and easily at any time when the tracheostomy tube is repositioned. Inner cannulas are available with a wide variety of connectors and adapters. Attention must be paid to selecting the correct size and length of the inner cannula.

Another advantage of using inner cannulas is a possible reduction in suction intervals. Changing the inner cannula is unproblematic and can easily be done in front of a mirror after appropriate instruction of the patient. The inner cannula should

be changed and cleaned three times a day, but can also be changed at other intervals if required and/or medically indicated.



15 MM CONNECTOR

Connectors are used to connect compatible tube accessories. As a rule they are permanently attached to the cannula. This is a universal attachment (15 mm connector) which enables the use of so-called "artificial noses" (filters for heat and moisture exchange). Connectors are also available in a special version as 15 mm swivel connector. The swivel version of the 15 mm connector is suitable, for example, to relieve the pressure on the cannula when using a ventilation tube system and to stabilise the position. This can largely reduce the occurrence of mucosal irritation in the trachea.



22 MM COMBI-ADAPTER

The 22 mm combi adapter enables attaching compatible filters and valve systems with a 22 mm connector, for example speaking valves, HME filters or tracheostoma valves. The use of a combination adapter provides an option for relatively flat, close-to-the-body filter and speaking valve systems which are visually less conspicuous. The individual option depends on the clinical condition, such as status after laryngectomy or tracheotomy.





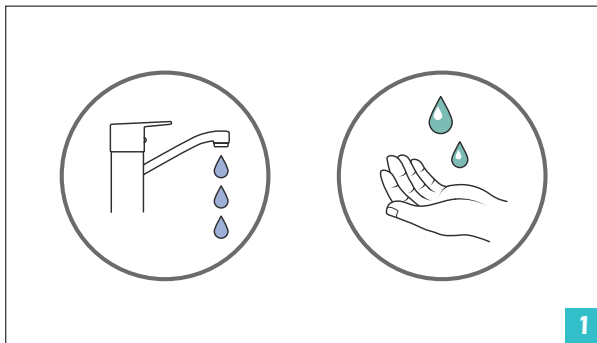
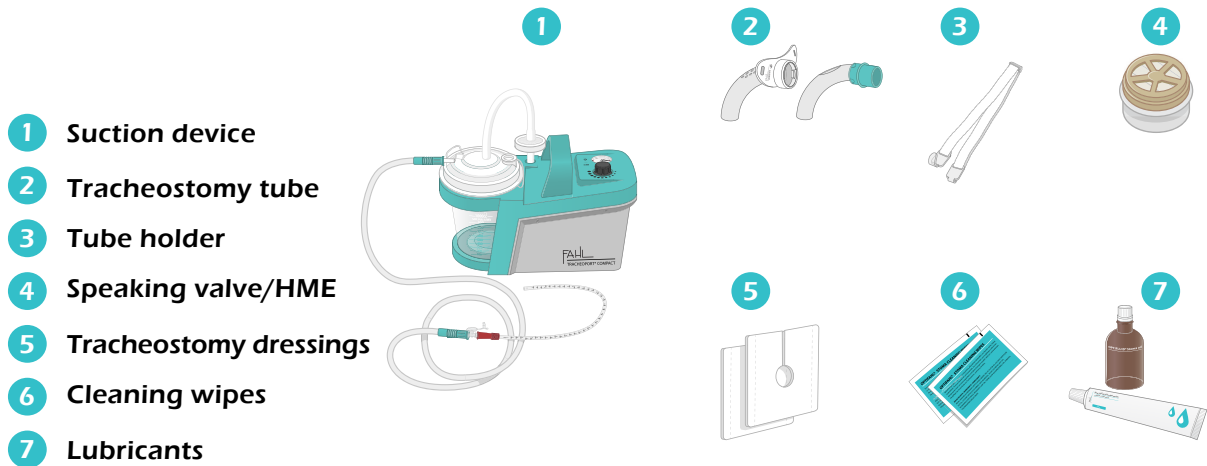
CHANGING THE TRACHEOSTOMY TUBE

The function of the tracheostoma is to protect the airway for the patient. However, this clear advantage also entails certain disadvantages or risks (see complications). In general, it must be taken into account that the shortening of the airway will also bring about a faster penetration of pathogenic (disease-causing) organisms. Therefore, correct handling of the associated medical aids is absolutely necessary to minimise potential infection risks. In addition to the cleaning and possibly disinfection recommendations given by the manufacturer, this also includes adherence

to the maximum service life of the tracheostomy tube or other aids, e.g. HMEs. However, other indications for which the physician is responsible may also make it necessary to change the tracheostomy tube, irrespective of how long it has been used.

Changing the cannula is generally a stressful procedure for the patient, which not only means stress for the patient, but can also end in an emergency situation. Accordingly, diligence and a planned professional approach are an absolute must.

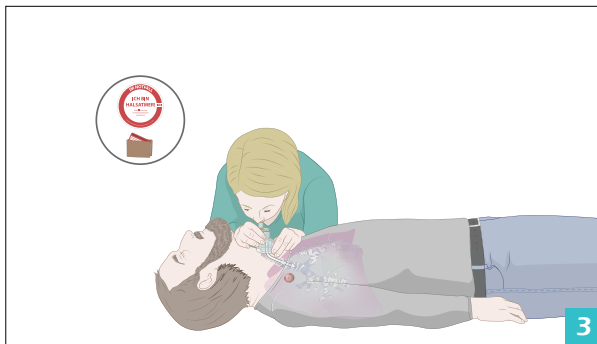
CHANGING THE TRACHEOSTOMY TUBE



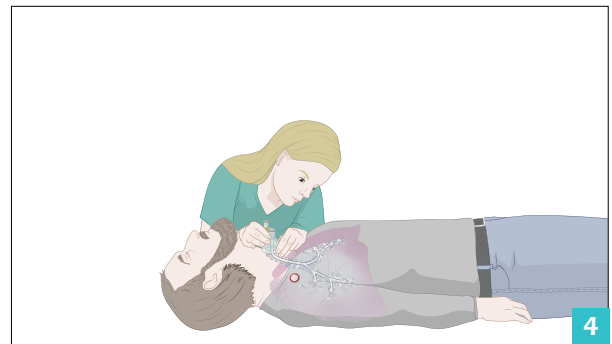
First wash your hands thoroughly. Then disinfect them. If necessary, wear disposable gloves.



Make sure that the suction device is functional. Connect the suction tube, finger tip and suction catheter correctly.

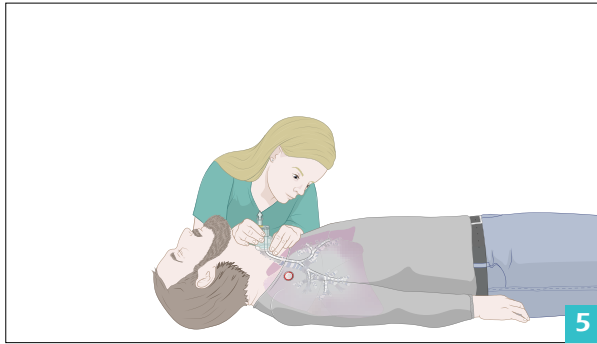


Check the outer as well as the inner cannula for integrity. Wet the inner cannula with the lubricant.

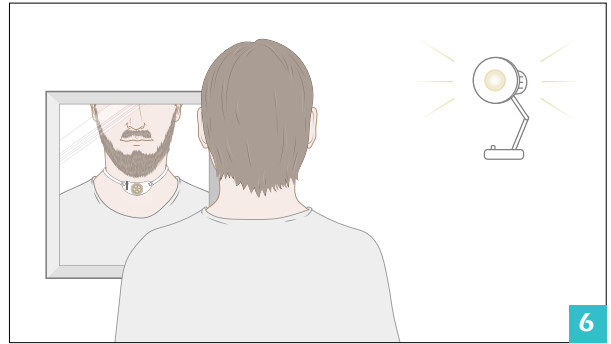


Assemble the cannula. In this process, push the inner cannula forward into the outer cannula until it can be fixated.

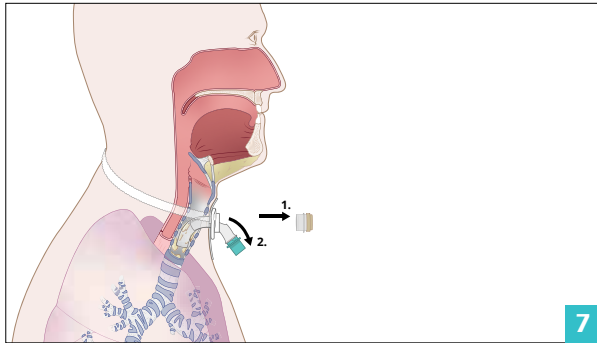
CHANGING THE TRACHEOSTOMY TUBE



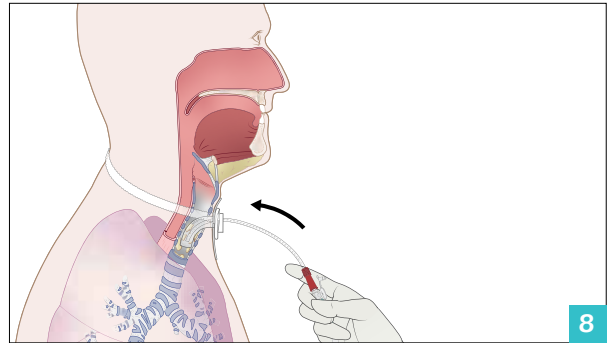
Advance the tube into the tracheal compress. Then attach the cannula tube holder band to one side of the cannula.



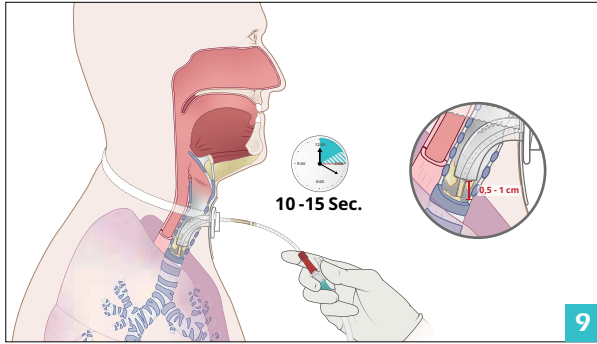
Always change the tracheostomy tube in front of a mirror. Improve your vision with optimal lighting.



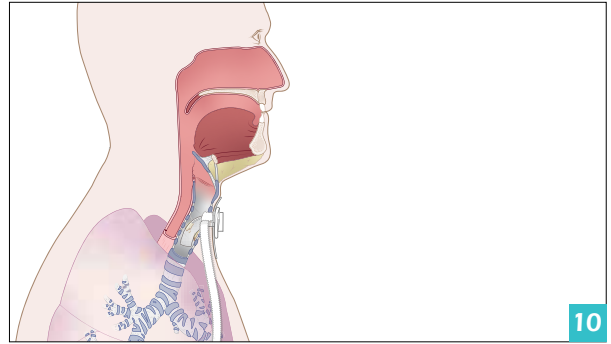
First remove the speaking valve/HME (if applicable) from the currently worn tracheostomy tube. Then pull out the inner cannula from the outer cannula.



For suction of secretion, the catheter is carefully inserted into the trachea through the cannula tube in the tracheostoma. Avoid unnecessary contact with the catheter.

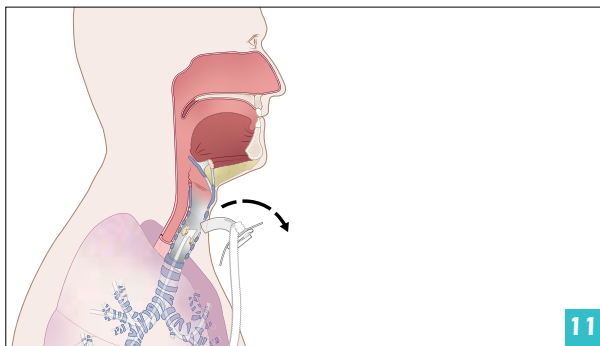


Advance the catheter by no more than 0.5-1 cm above the edge of the cannula tip. Suction is applied through closure of the finger tip.

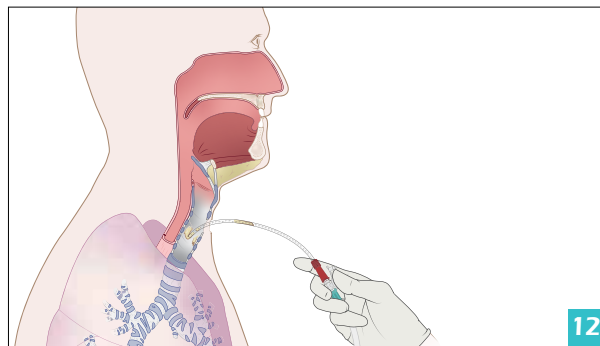


Loosen the cannula support band on one side and ensure that the tracheostomy tube remains in the correct position.

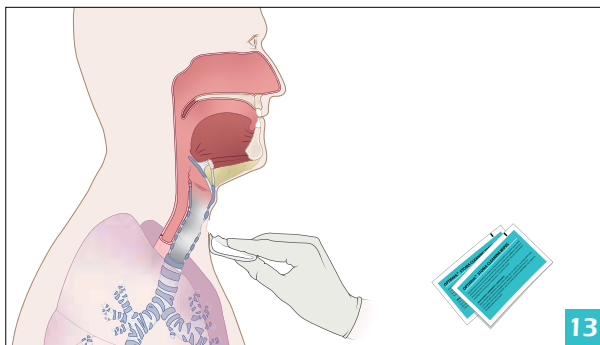
CHANGING THE TRACHEOSTOMY TUBE



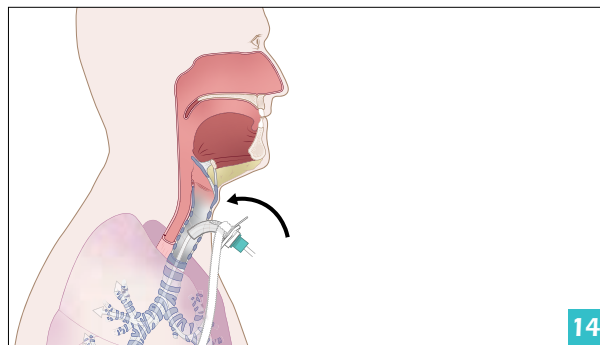
Carefully pull the outer cannula from the tracheostoma while the patient exhales.



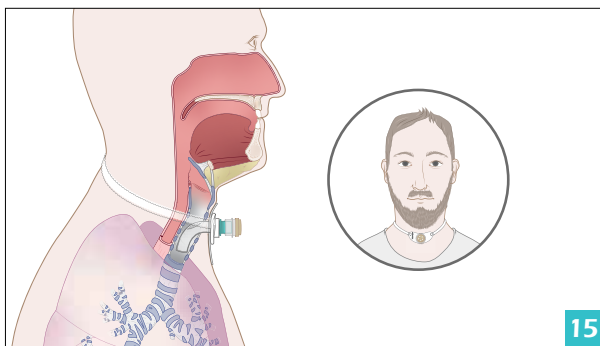
If necessary, repeat endotracheal suctioning (10-15 seconds).



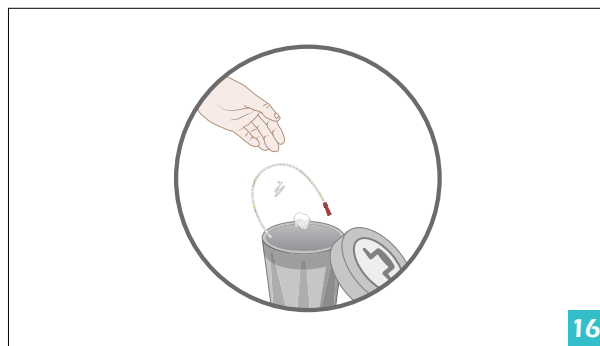
Then clean the skin around the tracheostoma thoroughly with the special cleaning wipes.



Carefully insert the fully assembled tracheostomy tube into the trachea while the patient inhales (see Fig. 5).



Place the tube holding strap around the neck and attach it to the neck flange. Plug the speaking valve/HME onto the uni-connector if applicable.



Used disposable products must be disposed of. Finally, check all materials for completeness for the next change.

SPIRAFLEX®

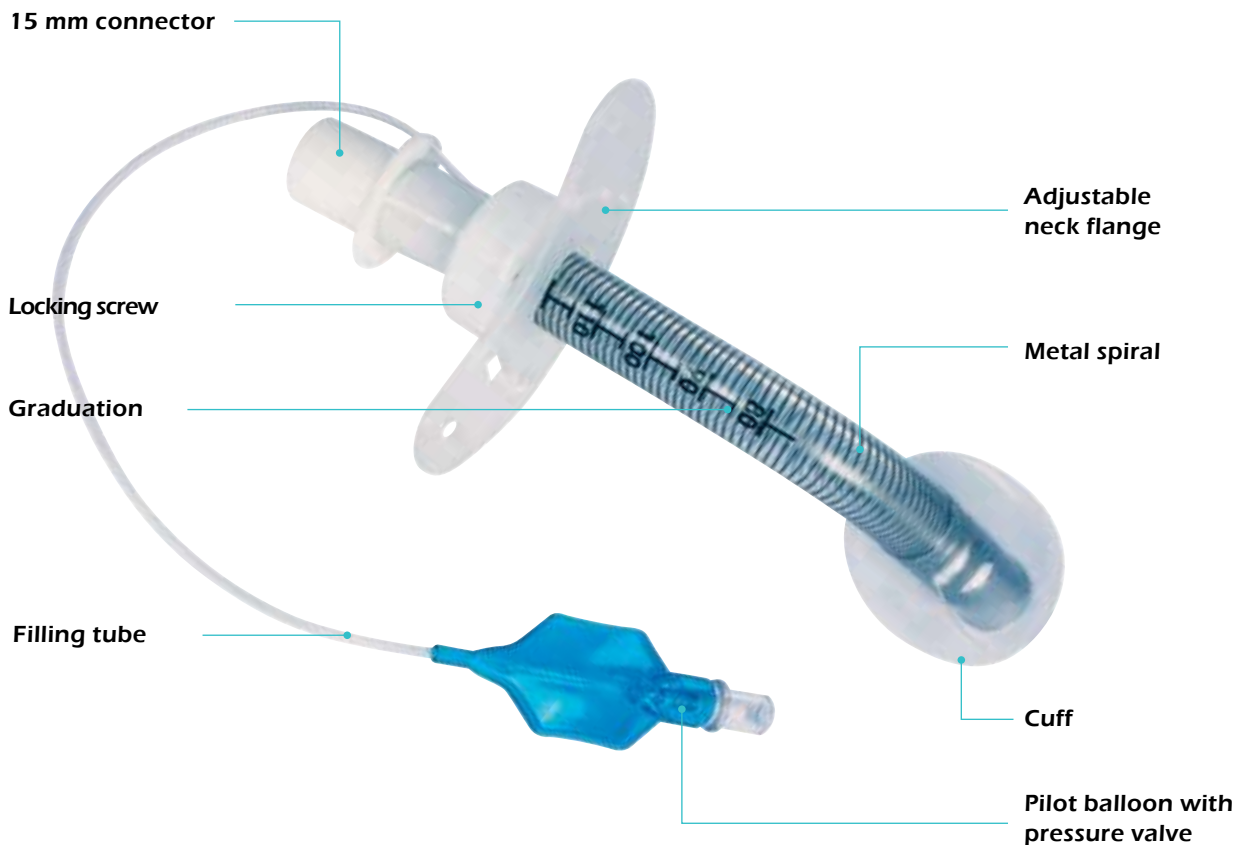
STERILE

The SPIRAFLEX® tracheostomy tube – flexible, variably adjustable, soft. This cannula is characterised by its spiral reinforcement and the adjustable neck flange. The spiral reinforcement lends the cannula a high degree of flexibility at simultaneous pressure stability. In addition, the soft material of the plastic sheathing contributes to a high level of wearing comfort. The neck flange is adjustable via an easy-to-use fixation mechanism and can thus be adapted optimally to the anatomy of each individual patient. The SPIRAFLEX® is therefore also the ideal solution for patients with different tracheostoma canal lengths. The clearly visible graduation in 5 mm

steps at the top of the cannula tube allows exact and reproducible positioning of the neck flange.

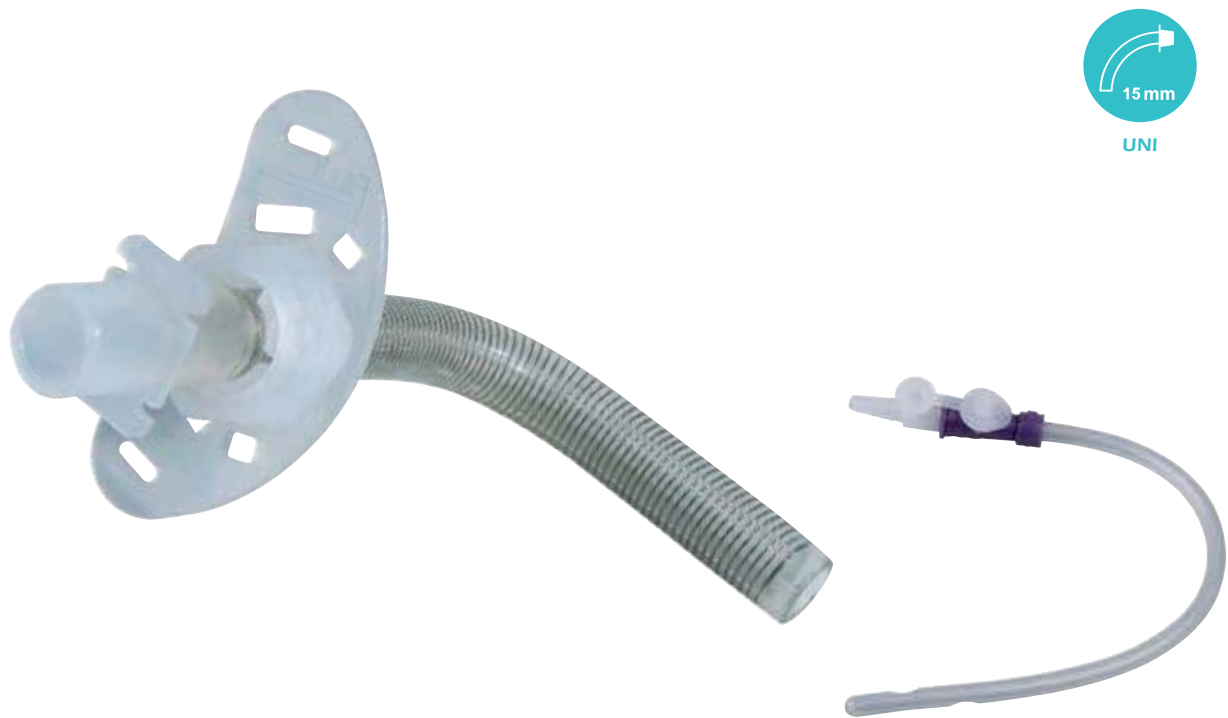
The SPIRAFLEX® cannula is available with and without cuff. The flexible inner cannulas (ICX) are available separately as required.

An extra-long version, the SPIRAFLEX® XL tracheostomy tube, also allows use of the tube for deep-seated stenoses as an example. The plastic spiral reinforcement even enables the use of the SPIRAFLEX® MRT variant during magnetic resonance imaging (MRI).



SPIRAFLEX® UNI

STERILE



Good dimensional stability can be guaranteed with this SPIRAFLEX® UNI tracheostomy tube with integrated spiral reinforcement despite its high flexibility. The neck flange is adjustable and can be fixed to the cannula with a screw fastener. The insertion aid (obturator) included in the set can also be used to aspirate secretion fluids.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® tracheostomy tubes (REF 17543), whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	REF ICX	REF
06	8.4	8.4	6.0	4.5	60.0	52.0	80°-110°	17543-06	17504-06
07	10.2	10.2	7.0	5.5	80.0	68.0	80°-110°	17543-07	17504-07
08	11.2	11.2	8.0	6.5	100.0	88.0	80°-110°	17543-08	17504-08
09	12.2	12.2	9.0	7.5	130.0	117.0	80°-110°	17543-09	17504-09
10	13.2	13.2	10.0	8.5	135.0	118.0	80°-110°	17543-10	17504-10
11	14.2	14.2	11.0	9.5	140.0	123.0	80°-110°	17543-11	17504-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® UNI CUFF

STERILE



The SPIRAFLEX® UNI CUFF tracheostomy tube is fully flexible and adapts to any change in the patient's position. This prevents bruising. The integrated spiral reinforcement ensures that the SPIRAFLEX® cannula retains its shape. A 15 mm connector enables the use of artificial noses and the connection to a ventilation device. The SPIRAFLEX® cannula is equipped with an adjustable neck flange, which allows positioning of the neck flange on the cannula tube to be varied. This allows the length of the cannula in the tracheostoma to be individually adjusted. The insertion aid (obturator) included in the set can also be used to aspirate secretion fluids. At the end of the insertion aid, there is an additional tube connector/fingertip, with which the suction tube of the suction device is connected to the insertion aid.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® tracheostomy tubes (REF 17543), whereby the size must be selected according to the outer cannula.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	Ø	Ø	REF	REF
Size	Flange	Tip	AK	IC			BW	CD	ICX	
06	8.4	8.4	6.0	4.5	60.0	52.0	80°-110°	20.0	17543-06	17503-06
07	10.2	10.2	7.0	5.5	80.0	68.0	80°-110°	22.0	17543-07	17503-07
08	11.2	11.2	8.0	6.5	100.0	88.0	80°-110°	24.0	17543-08	17503-08
09	12.2	12.2	9.0	7.5	130.0	117.0	80°-110°	25.0	17543-09	17503-09
10	13.2	13.2	10.0	8.5	135.0	118.0	80°-110°	26.0	17543-10	17503-10
11	14.2	14.2	11.0	9.5	140.0	123.0	80°-110°	26.0	17543-11	17503-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® UNI CUFF XL

STERILE



UNI



CUFF

The SPIRAFLEX® UNI CUFF tracheostomy tube in its extra long version XL is fully flexible and adapts to any change in the patient's position. This prevents bruising. The integrated spiral reinforcement ensures that the SPIRAFLEX® UNI CUFF tracheostomy tube retains its shape. At the same time, the metal spiral acts as an X-ray contrast agent. A 15 mm connector enables the use of artificial noses and the connection to a ventilation device. The SPIRAFLEX® UNI CUFF tracheostomy tube is equipped with an adjustable neck flange, which allows the height of the neck flange on the cannula tube to be varied. This allows the length of the cannula in the tracheostoma to be individually adjusted.

The insertion aid (obturator) included in the set can also be used to aspirate secretion fluids.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® tracheostomy tubes (REF 17549), whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	Ø CD	REF ICX	REF
07	10.2	10.2	7.0	5.5	155.0	132.0	80°-110°	22.0	17549-07	17519-07
08	11.2	11.2	8.0	6.5	155.0	132.0	80°-110°	24.0	17549-08	17519-08
09	12.2	12.2	9.0	7.5	155.0	132.0	80°-110°	25.0	17549-09	17519-09
10	13.2	13.2	10.0	8.5	155.0	132.0	80°-110°	26.0	17549-10	17519-10
11	14.2	14.2	11.0	9.5	155.0	132.0	80°-110°	26.0	17549-11	17519-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® UNI CUFF SUCTION

STERILE


The SPIRAFLEX® UNI CUFF SUCTION with suction device is a blockable tracheostomy tube with 15 mm connector, which offers the option of removing secretions collected above the cuff from the trachea through a special tube line. For this purpose, there is an integrated tube in the tracheostomy tube. This is incorporated in such a way that it is not obtrusive and thus avoids additional irritation of the tracheal wall.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® tracheostomy tubes (REF 17543), whereby the size must be selected according to the outer cannula.

The insertion aid (obturator) included in the set can be used to aspirate secretion fluids. The set also includes a disposable syringe for aspirating subglottic secretion.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW/	Ø CD	REF ICX	REF
07	10.2	10.2	7.0	5.5	80.0	68.0	80°-110°	22.0	17543-07	17523-07
08	11.2	11.2	8.0	6.5	100.0	88.0	80°-110°	24.0	17543-08	17523-08
09	12.2	12.2	9.0	7.5	130.0	117.0	80°-110°	25.0	17543-09	17523-09
10	13.2	13.2	10.0	8.5	135.0	118.0	80°-110°	26.0	17543-10	17523-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® MRT UNI CUFF

STERILE



UNI



CUFF



MRI

The SPIRAFLEX® MRT UNI CUFF tracheostomy tube is fully flexible and adapts to any change in the patient's position. This prevents bruising. The SPIRAFLEX® MRT UNI CUFF tracheostomy tube features a spiral reinforcement made of plastic and even allows the use of the tube during magnetic resonance imaging (MRI). A 15 mm connector enables the use of artificial noses and the connection to a ventilation device. The SPIRAFLEX® MRT UNI CUFF is equipped with an adjustable neck flange, which allows positioning of the neck flange on the cannula tube to be varied. This allows the length of the cannula in the tracheostoma to be individually adjusted.

The insertion aid (obturator) included in the set can also be used to aspirate secretion fluids.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® tracheostomy tubes (REF 17543), whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	Ø CD	REF ICX	REF
06	8.4	8.4	6.0	4.5	60.0	52.0	80°-110°	20.0	17543-06	17520-06
07	10.2	10.2	7.0	5.5	80.0	68.0	80°-110°	22.0	17543-07	17520-07
08	11.2	11.2	8.0	6.5	100.0	88.0	80°-110°	24.0	17543-08	17520-08
09	12.2	12.2	9.0	7.5	130.0	117.0	80°-110°	25.0	17543-09	17520-09
10	13.2	13.2	10.0	8.5	135.0	118.0	80°-110°	26.0	17543-10	17520-10
11	14.2	14.2	11.0	9.5	140.0	123.0	80°-110°	26.0	17543-11	17520-11

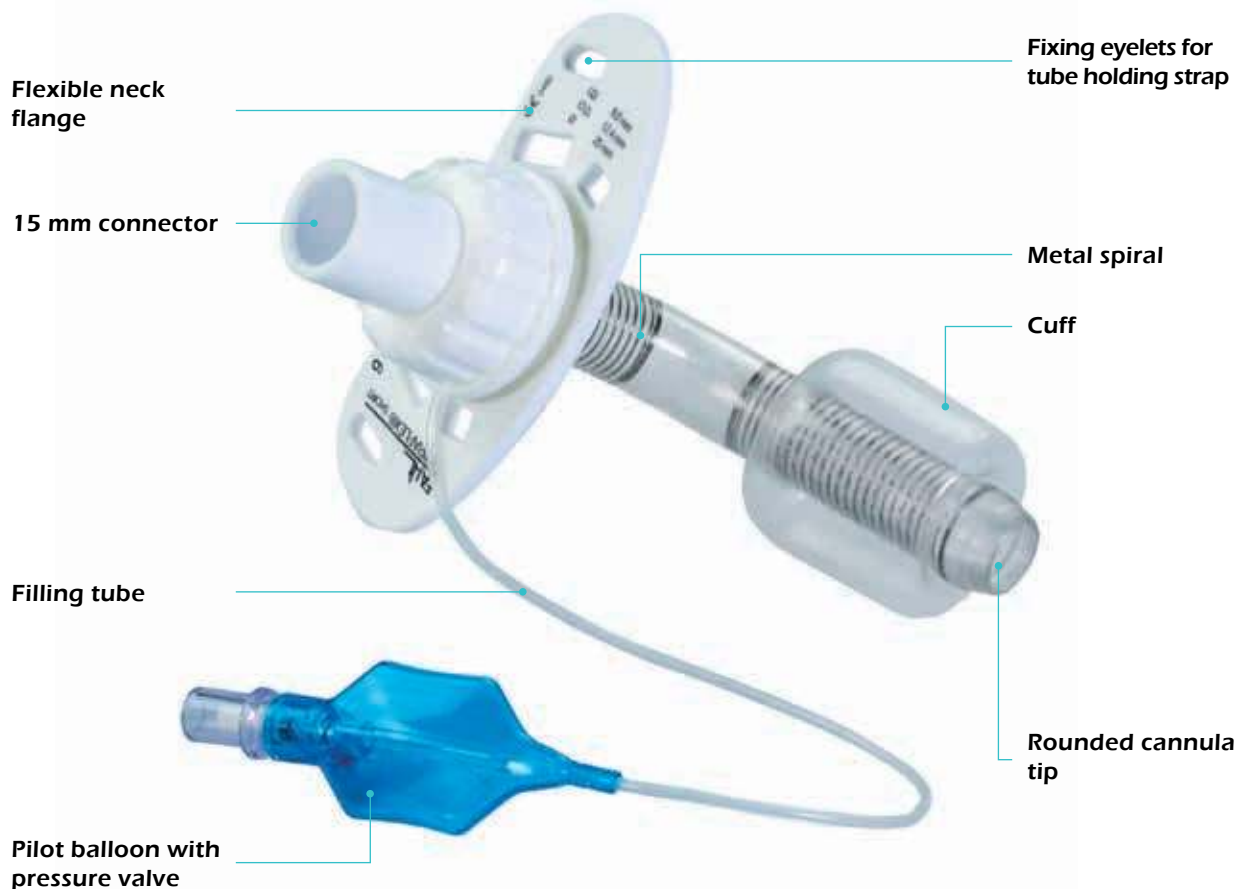
AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® SHORT

STERILE

SPIRAFLEX® SHORT ideally supplements the SPIRAFLEX® system. While cannulas in standard length and extra long make up the established SPIRAFLEX® family, the SPIRAFLEX® SHORT cannula accommodates the wishes of some customers for slightly shorter cannulas. Here, too, spiral reinforcement ensures a high degree of flexibility of the cannula, while at the same time generating a high degree of pressure stability to guarantee an unobstructed flow of air at all times. Two inner cannulas are standard here in each case. They are made of a very flexible yet at the same time sturdy material

so as not to impair the flexibility of the cannula. A colour code on the proximal end indicates whether this refers to an inner cannula with or without sieving at first glance. The cannula is available as a variant with or without cuff and with or without fenestration and thus covers a wide range of applications. In addition to the two inner cannulas, each set contains a 15 mm connector to be connected separately and a cough protection cap as well as an obturator, a holding strap and a cannula ID card. In addition, the fenestrated cannulas are supplied with a speaking valve and a sealing cap.



SPIRAFLEX® SHORT UNI

STERILE



The SPIRAFLEX® SHORT UNI tracheostomy tube is a tube without a cuff.

In addition to the tracheostomy tube, the scope of delivery includes two flexible inner cannulas as well as a 15 mm connector and a cough cap, which can be connected to the tracheostomy tube by means of a simple twist closure. An insertion aid (obturator) is also included in the scope of delivery to facilitate the use of the tracheostomy tube.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® SHORT UNI tracheostomy tubes (REF 17516), whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	REF ICX	REF
06	9.4	9.4	6.0	4.5	75.0	61.0	95°-110°	17516-06	17506-06
07	10.4	10.4	7.0	5.5	81.0	67.0	95°-110°	17516-07	17506-07
08	11.4	11.4	8.0	6.5	91.0	77.0	95°-110°	17516-08	17506-08
09	12.4	12.4	9.0	7.5	91.0	77.0	95°-110°	17516-09	17506-09
10	13.4	13.4	10.0	8.5	102.0	88.0	95°-110°	17516-10	17506-10
11	14.4	14.4	11.0	9.5	102.0	88.0	95°-110°	17516-11	17506-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® SHORT UNI LINGO PHON

STERILE



This version of the SPIRAFLEX® SHORT UNI LINGO PHON tracheostomy tube has a fenestration in the cannula tube to enable the patient to phonate. One of the inner cannulas therefore has an appropriate sieve.

In addition to the tracheostomy tube, the scope of delivery includes two inner cannulas (1x sieved inner cannula and 1x unsieved inner cannula) as well as a closure cap, a speaking valve, a 15 mm connector and a cough cap. An insertion aid (obturator) is also included in the scope of delivery to facilitate the use of the tracheostomy tube.

Two flexible inner cannulas (ICX) with flat profile (REF 17516) or with sieving (REF 17517) are available separately for the SPIRAFLEX® SHORT tracheostomy tubes, whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	REF ICX	REF
06	9.4	9.4	6.0	4.5	75.0	61.0	95°-110°	17517-06	17508-06
07	10.4	10.4	7.0	5.5	81.0	67.0	95°-110°	17517-07	17508-07
08	11.4	11.4	8.0	6.5	91.0	77.0	95°-110°	17517-08	17508-08
09	12.4	12.4	9.0	7.5	91.0	77.0	95°-110°	17517-09	17508-09
10	13.4	13.4	10.0	8.5	102.0	88.0	95°-110°	17517-10	17508-10
11	14.4	14.4	11.0	9.5	102.0	88.0	95°-110°	17517-11	17508-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® SHORT UNI CUFF

STERILE



UNI



CUFF

The SPIRAFLEX® SHORT UNI CUFF tracheostomy tube with universal attachment and cuff is yet a further option. By inflating the cuff, the tracheostomy tube can be sealed against the tracheal wall inside the tracheostoma, thus preventing the breathing air from flowing past laterally. Choking on secretion fluids passing along the side of the cannula is also largely prevented.

An insertion aid (obturator) is included in the scope of delivery to facilitate the use of the tracheostomy tube. In addition to the tracheostomy tube, the scope of delivery also includes two flexible inner cannulas as well as a 15 mm connector and a cough cap, which can be attached to the tracheostomy tube by means of a simple twist closure.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	Ø CD	REF ICX	REF
06	9.4	9.4	6.0	4.5	75.0	61.0	95°-110°	20.0	17516-06	17507-06
07	10.4	10.4	7.0	5.5	81.0	67.0	95°-110°	22.0	17516-07	17507-07
08	11.4	11.4	8.0	6.5	91.0	77.0	95°-110°	24.0	17516-08	17507-08
09	12.4	12.4	9.0	7.5	91.0	77.0	95°-110°	25.0	17516-09	17507-09
10	13.4	13.4	10.0	8.5	102.0	88.0	95°-110°	26.0	17516-10	17507-10
11	14.4	14.4	11.0	9.5	102.0	88.0	95°-110°	28.0	17516-11	17507-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® SHORT UNI LINGO PHON CUFF

STERILE


The SPIRAFLEX® SHORT UNI LINGO PHON cannula with cuff has a fenestration in the cannula tube to enable the patient to phonate. One of the inner cannulas therefore has a sieve appropriate to the fenestration of the outer cannula.

In addition to the tracheostomy tube, the scope of delivery also includes two inner cannulas (1x sieved inner cannula and 1x unsieved inner cannula) as well as a closure cap, a speaking valve, a 15 mm connector and a cough cap. An insertion aid (obturator) is also included in the scope of delivery to facilitate the use of the tracheostomy tube.

Two flexible inner cannulas (ICX) with flat profile (REF 17516) or with sieving (REF 17517) are available separately for the SPIRAFLEX® SHORT tracheostomy tubes, whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	Ø CD	REF ICX	REF
06	9.4	9.4	6.0	4.5	75.0	61.0	95°-110°	20.0	17517-06	17509-06
07	10.4	10.4	7.0	5.5	81.0	67.0	95°-110°	22.0	17517-07	17509-07
08	11.4	11.4	8.0	6.5	91.0	77.0	95°-110°	24.0	17517-08	17509-08
09	12.4	12.4	9.0	7.5	91.0	77.0	95°-110°	25.0	17517-09	17509-09
10	13.4	13.4	10.0	8.5	102.0	88.0	95°-110°	26.0	17517-10	17509-10
11	14.4	14.4	11.0	9.5	102.0	88.0	95°-110°	28.0	17517-11	17509-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SPIRAFLEX® SHORT UNI CUFF SUCTION

STERILE



The SPIRAFLEX® SHORT UNI CUFF SUCTION is a blockable tracheostomy tube with suction device.

In addition to the tracheostomy tube, the scope of delivery includes two unfenestrated inner cannulas as well as a closure cap, a 15 mm connector and a cough cap, which can be connected to the tracheostomy tube by means of a simple twist closure. An insertion aid (obturator) is also included in the scope of delivery to facilitate the use of the tracheostomy tube.

A flexible inner cannula (ICX) with flat profile is available separately for the SPIRAFLEX® SHORT tracheostomy tubes (REF 17516), whereby the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 TIP	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	Ø CD	REF ICX	REF
06	9.4	9.4	6.0	4.5	75.0	61.0	95°-110°	20.0	17516-06	17513-06
07	10.4	10.4	7.0	5.5	81.0	67.0	95°-110°	22.0	17516-07	17513-07
08	11.4	11.4	8.0	6.5	91.0	77.0	95°-110°	24.0	17516-08	17513-08
09	12.4	12.4	9.0	7.5	91.0	77.0	95°-110°	25.0	17516-09	17513-09
10	13.4	13.4	10.0	8.5	102.0	88.0	95°-110°	26.0	17516-10	17513-10
11	14.4	14.4	11.0	9.5	102.0	88.0	95°-110°	28.0	17516-11	17513-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

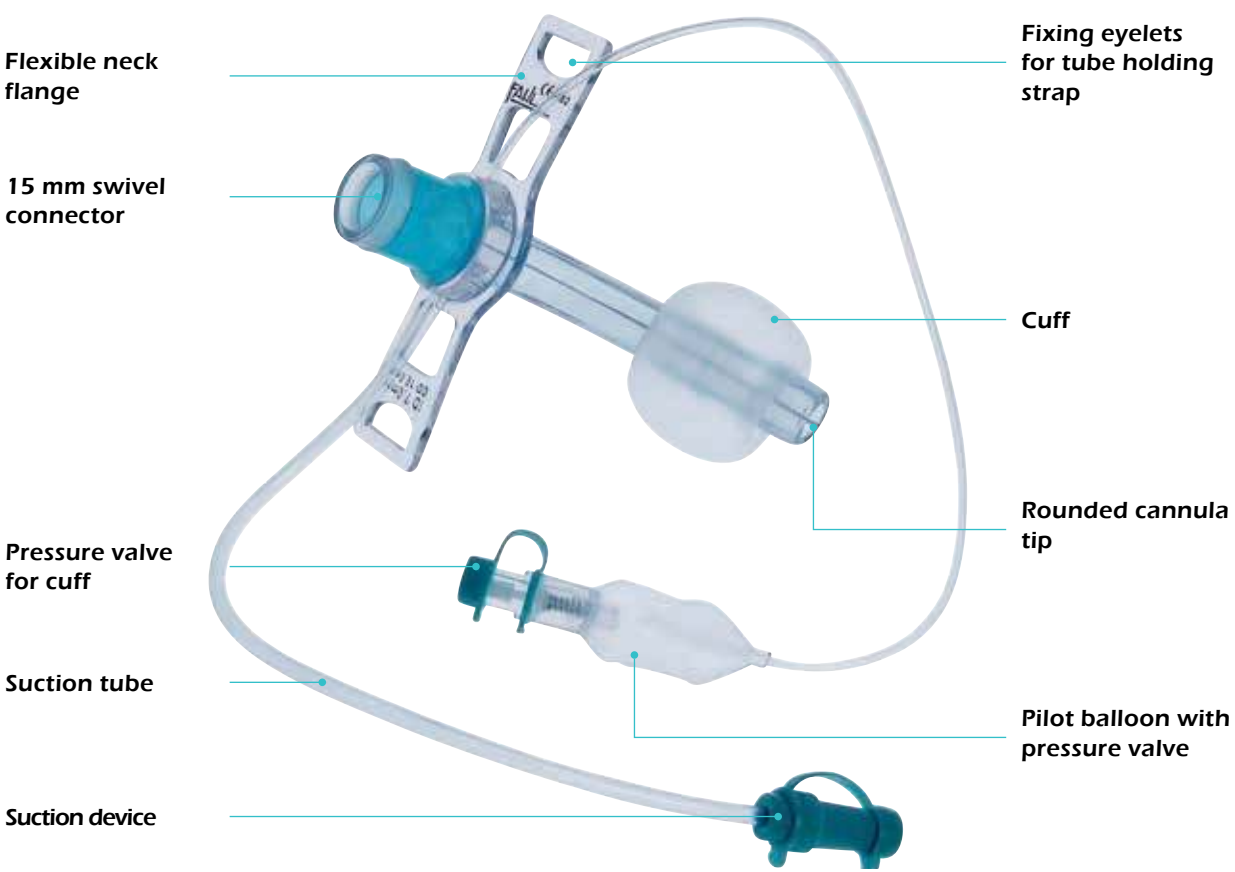
TRACHEOTEC®

As a practical all-round tracheostomy tube, the TRACHEOTEC® tube is particularly indicated when frequent tube changes are necessary. The cannula is available with and without cuff. In addition, it is also available as a version with cuff and integrated suction tube for subglottic suction. The suction tube runs inside the cannula tube to maintain a smooth outer surface. This avoids additional irritation of the trachea and tracheostoma.

An X-ray contrast strip allows verification of the localisation of the cannula in situ.

A 15 mm swivel connector buffers tensile or torsional forces that may be generated by the respiratory tube.

Furthermore, the soft, flexible neck flange contributes to a most atraumatic and comfortable wearing comfort.



TRACHEOTEC® VARIO

STERILE


The TRACHEOTEC® VARIO is a tracheostomy tube with inner cannula.

The integrated universal attachment enables the attachment of heat and moisture exchangers (HMEs), so-called "artificial noses", with 15 mm swivel connector.

An insertion aid (obturator) is included in the scope of delivery to facilitate the use of the tracheostomy tube.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
03	4.7	4.7	3.0	47.2	43.7	95°	18560-03
04	6.0	6.0	4.0	57.1	52.7	95°	18560-04
05	7.3	7.3	5.0	61.1	55.7	95°	18560-05
06	8.7	8.7	6.0	67.1	60.7	95°	18560-06
07	10.0	10.0	7.0	77.0	69.6	95°	18560-07
08	11.3	11.3	8.0	87.9	79.5	95°	18560-08
09	12.7	12.7	9.0	94.9	85.5	95°	18560-09
10	14.0	14.0	10.0	105.3	95.0	95°	18560-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOTEC® VARIO CUFF

STERILE

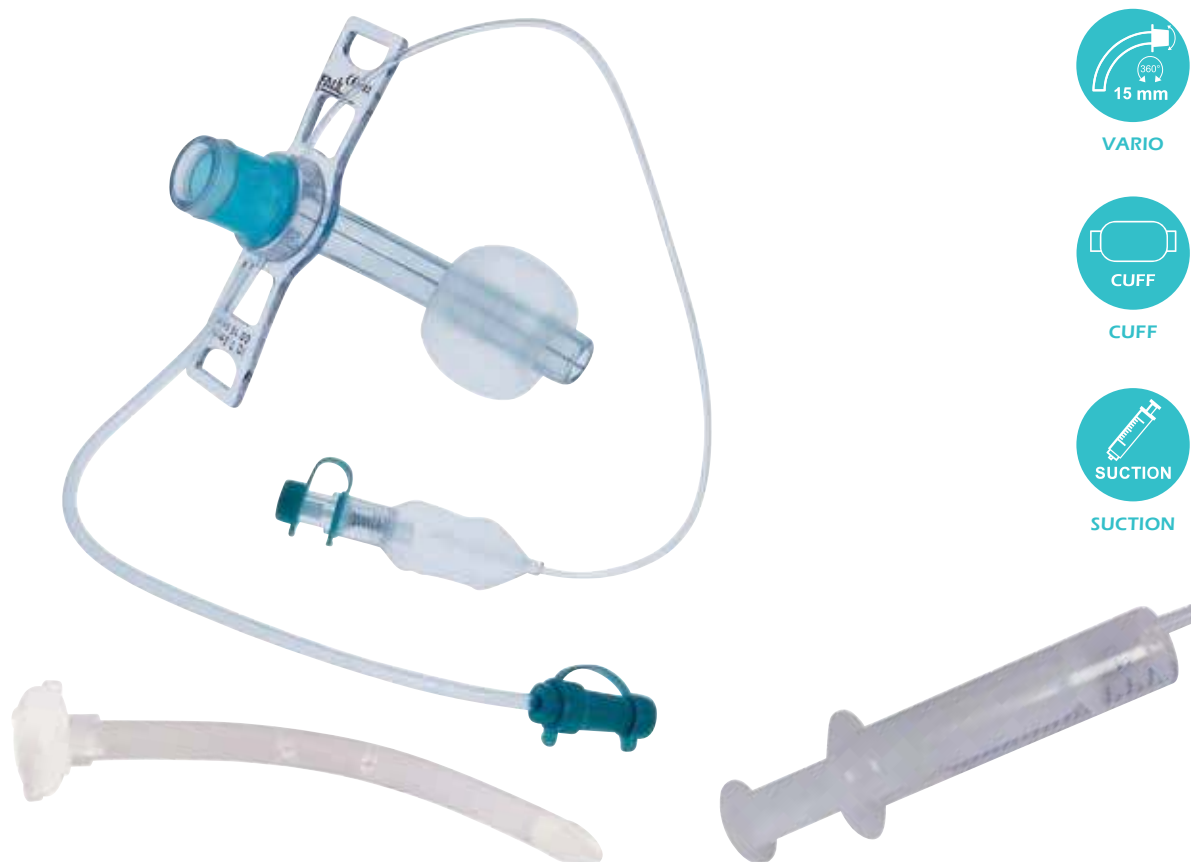

The cuff of the TRACHEOTEC® VARIO CUFF tracheostomy tube can be filled through a pilot line with one-way valve and seals the tube to the tracheal wall. The cuff's pilot line is integrated into the outer cannula of the tracheostomy tube, thus achieving a rounded and smooth outer shape. This prevents additional irritation of the mucous membranes.

An insertion aid (obturator) is included in the scope of delivery to facilitate the use of the tracheostomy tube.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	Ø CD	REF
03	4.7	4.7	3.0	47.2	43.7	95°	15.0	18920-03
04	6.0	6.0	4.0	57.1	52.7	95°	19.0	18920-04
05	7.3	7.3	5.0	61.1	55.7	95°	19.0	18920-05
06	8.7	8.7	6.0	67.1	60.7	95°	22.0	18920-06
07	10.0	10.0	7.0	77.0	69.6	95°	30.0	18920-07
08	11.3	11.3	8.0	87.9	79.5	95°	30.0	18920-08
09	12.7	12.7	9.0	94.9	85.5	95°	30.0	18920-09
10	14.0	14.0	10.0	105.3	95.0	95°	30.0	18920-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOTEC® VARIO CUFF SUCTION

STERILE

VARIO

CUFF

SUCTION

The TRACHEOTEC® VARIO CUFF SUCTION with suction line is a blockable tracheostomy tube with 15 mm swivel connector, which offers the option of removing secretions collected above the cuff from the trachea through a special tube line. For this purpose, there is an integrated tube in the tracheostomy tube. This is incorporated in such a way that it is not obtrusive and thus avoids additional irritation of the tracheal wall. The scope of delivery includes a disposable syringe for aspirating the subglottic secretion, as well as an insertion aid (obturator) which facilitates insertion of the cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	Ø CD	REF
05	7.3	7.3	5.0	61.1	55.7	95°	19.0	18930-05
06	8.7	8.7	6.0	67.1	60.7	95°	22.0	18930-06
07	10.0	10.0	7.0	77.0	69.6	95°	30.0	18930-07
08	11.3	11.3	8.0	87.9	79.5	95°	30.0	18930-08
09	12.7	12.7	9.0	94.9	85.5	95°	30.0	18930-09
10	14.0	14.0	10.0	105.3	95.0	95°	30.0	18930-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOTEC® PRO VARIO CUFF

STERILE



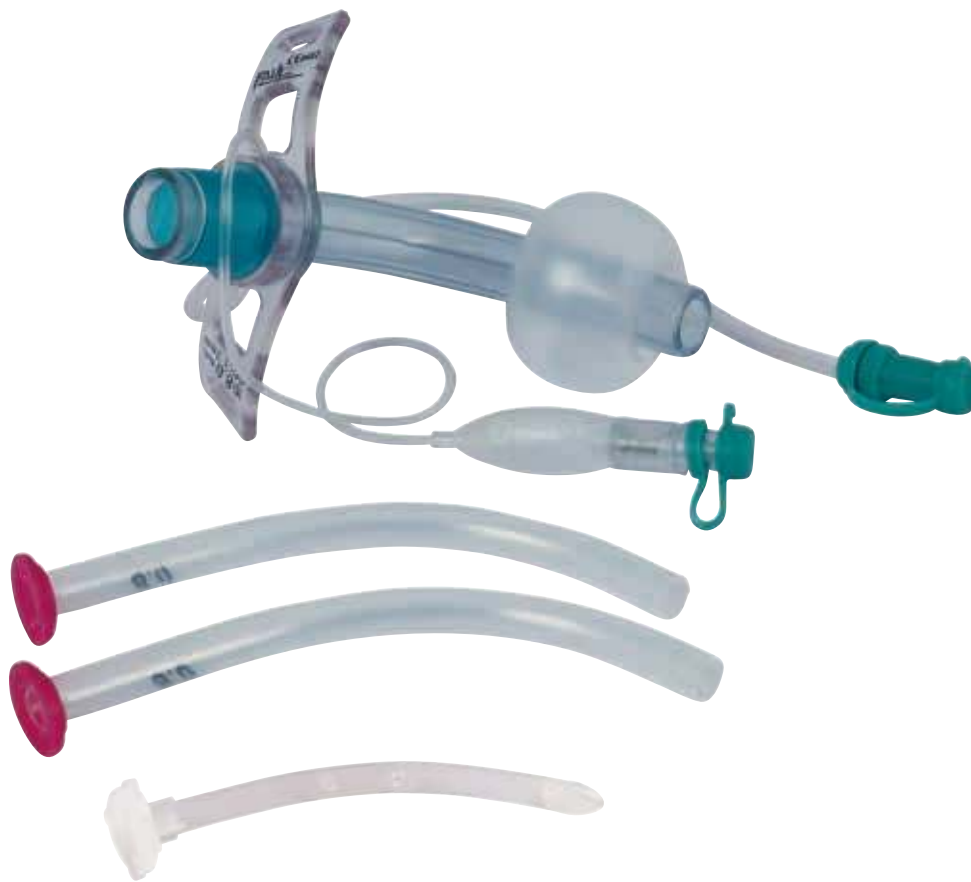
The TRACHEOTEC® PRO VARIO CUFF tracheostomy tube is fitted with a standardised 15 mm connector. All essential specifications, e.g. size information, are visible to the user on the flexible neck flange. The TRACHEOTEC® PRO VARIO CUFF can also be used during ventilation. To buffer possible tensile and compressive forces through the ventilation tube, the tracheostomy tube features a 15 mm swivel connector.

Two inner cannulas with a flat profile are included in the scope of delivery. The inner cannulas are also available separately, the size must be selected according to the outer cannula.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	Θ	Ø	REF	REF
Size	Flange	Tip	AK	IC			BW	CD	IC	
06	8.7	8.7	6.0	4.2	67.1	60.7	95°	22.0	18933-06	18922-06
07	10.0	10.0	7.0	5.1	77.0	69.6	95°	30.0	18933-07	18922-07
08	11.3	11.3	8.0	6.0	87.9	79.5	95°	30.0	18933-08	18922-08
09	12.7	12.7	9.0	7.0	94.9	85.5	95°	30.0	18933-09	18922-09
10	14.0	14.0	10.0	8.0	105.3	95.0	95°	30.0	18933-10	18922-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOTEC® PRO VARIO CUFF SUCTION

STERILE


The TRACHEOTEC® PRO VARIO CUFF SUCTION with suction line is a blockable tracheostomy tube, which offers the option of removing secretions collected above the cuff from the trachea through a special tube line.

Two inner cannulas with a flat profile are included in the scope of delivery. The inner cannulas are also available separately, the size must be selected according to the outer cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	Ø CD	REF IC	REF
06	8.7	8.7	6.0	4.2	67.1	60.7	95°	22.0	18933-06	18932-06
07	10.0	10.0	7.0	5.1	77.0	69.6	95°	30.0	18933-07	18932-07
08	11.3	11.3	8.0	6.0	87.9	79.5	95°	30.0	18933-08	18932-08
09	12.7	12.7	9.0	7.0	94.9	85.5	95°	30.0	18933-09	18932-09
10	14.0	14.0	10.0	8.0	105.3	95.0	95°	30.0	18933-10	18932-10

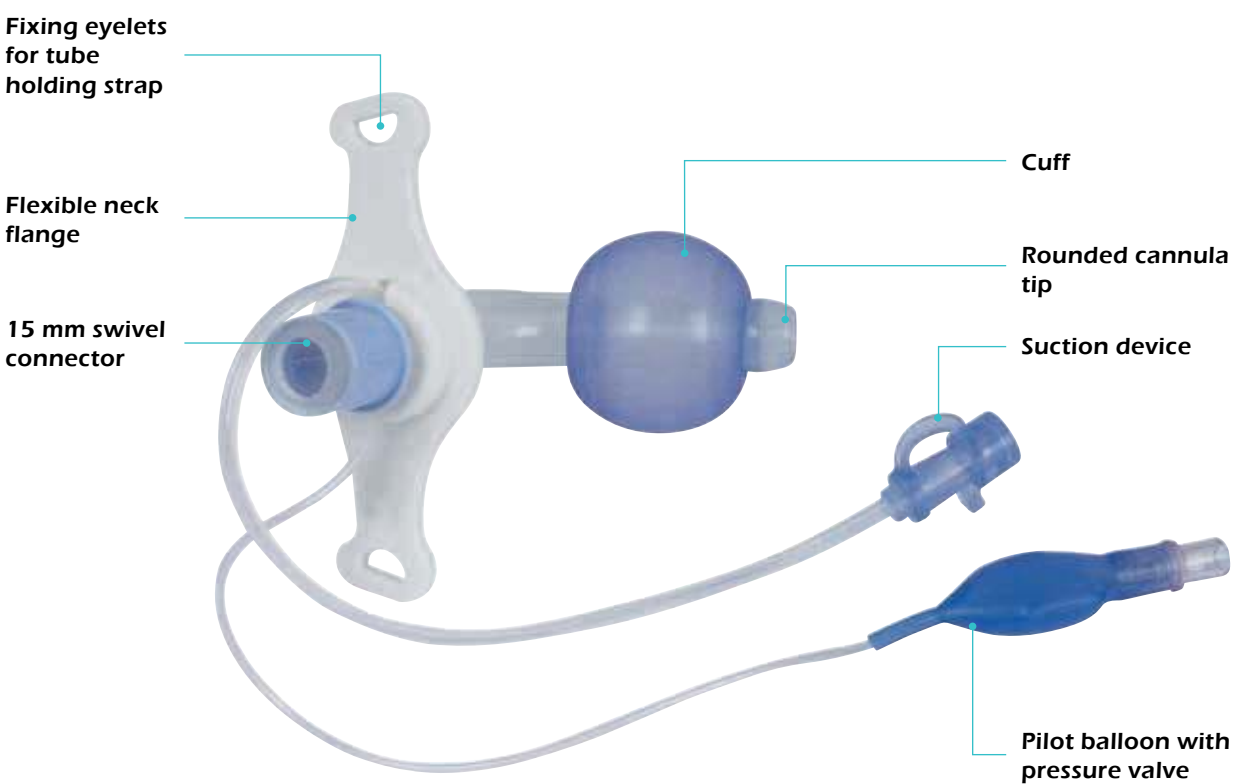
AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOSILC®

STERILE

The TRACHEOSILC® is a tracheostomy tube made of silicone for special indications. These tracheostomy tubes are made of high quality medical grade silicone. The pleasant material properties of silicone are ideally combined here with the dimensional stability offered by a tracheostomy tube. Furthermore, a soft, flexible neck flange contributes to the comfortable wearing properties. A freely rotating 15 mm swivel connector buffers external torsional

forces and reduces the direct transmission of these forces to the sensitive trachea. TRACHEOSILC® tracheostomy tubes are offered with or without a cuff. In addition, a variant with cuff and integrated subglottic suction tube enables it to be used for efficient pneumonia prophylaxis. As a further step towards optimal care, especially for very sensitive patients, this cannula is also offered in half sizes in the common size range.



TRACHEOSILC® VARIO

STERILE


The TRACHEOSILC® VARIO tracheostomy tube has a standardised 15 mm swivel connector, which is used to accommodate heat and moisture exchangers (HMEs), so-called "artificial noses", with a 15 mm connector.

All essential specifications, e.g. the size of the tracheostomy tube, are easily visible to the user on the flexible neck flange.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
05	7.3	7.3	5.0	57.0	52.0	110°	18820-05
06	8.7	8.7	6.0	63.0	59.0	110°	18820-06
07	10.0	10.0	7.0	71.0	68.0	110°	18820-07
7.5	10.7	10.7	7.5	73.0	69.0	110°	18820-075
08	11.0	11.0	8.0	75.0	71.0	110°	18820-08
8.5	11.7	11.7	8.5	78.0	72.0	110°	18820-085
09	12.3	12.3	9.0	80.0	74.0	110°	18820-09
9.5	13.3	13.3	9.5	83.0	79.0	110°	18820-095

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | ° = specification in degrees | all specifications in mm

TRACHEOSILC® VARIO CUFF

STERILE



VARIO



CUFF

The TRACHEOSILC® VARIO CUFF tracheostomy tubes are each fitted with a standardised 15 mm swivel connector, which is used to accommodate heat and moisture exchangers (HMEs), so-called "artificial noses", with a 15 mm connector. An insertion aid (obturator) is included in the scope of delivery which facilitates the use of the tracheostomy tube.

All essential specifications, e.g. the size of the tracheostomy tube, are easily visible to the user on the flexible neck flange.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	Ø CD	REF
05	7.3	7.3	5.0	57.0	52.0	110°	15.0	18830-05
06	8.7	8.7	6.0	63.0	59.0	110°	17.0	18830-06
07	10.0	10.0	7.0	71.0	68.0	110°	19.0	18830-07
7.5	10.7	10.7	7.5	73.0	69.0	110°	23.0	18830-075
08	11.0	11.0	8.0	75.0	71.0	110°	23.0	18830-08
8.5	11.7	11.7	8.5	78.0	72.0	110°	23.0	18830-085
09	12.3	12.3	9.0	80.0	74.0	110°	23.0	18830-09
9.5	13.3	13.3	9.5	83.0	79.0	110°	26.0	18830-095

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOSILC® VARIO CUFF SUCTION

STERILE

VARIO

CUFF

SUCTION

The TRACHEOSILC® VARIO CUFF SUCTION is a tracheal cannula with CUFF and suction device, which offers the possibility of removing secretions accumulated above the cuff from the trachea via a separate tube line, e.g. by means of a syringe via the suction device, if required.

An insertion aid (obturator) is included in the scope of delivery which facilitates the use of the tracheostomy tube.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	Ø CD	REF
05	7.3	7.3	5.0	57.0	52.0	110°	15.0	18840-05
06	8.7	8.7	6.0	63.0	59.0	110°	17.0	18840-06
07	10.0	10.0	7.0	71.0	68.0	110°	19.0	18840-07
7.5	10.7	10.7	7.5	73.0	69.0	110°	23.0	18840-075
08	11.0	11.0	8.0	75.0	71.0	110°	23.0	18840-08
8.5	11.7	11.7	8.5	78.0	72.0	110°	23.0	18840-085
09	12.3	12.3	9.0	80.0	74.0	110°	23.0	18840-09
9.5	13.3	13.3	9.5	83.0	79.0	110°	26.0	18840-095

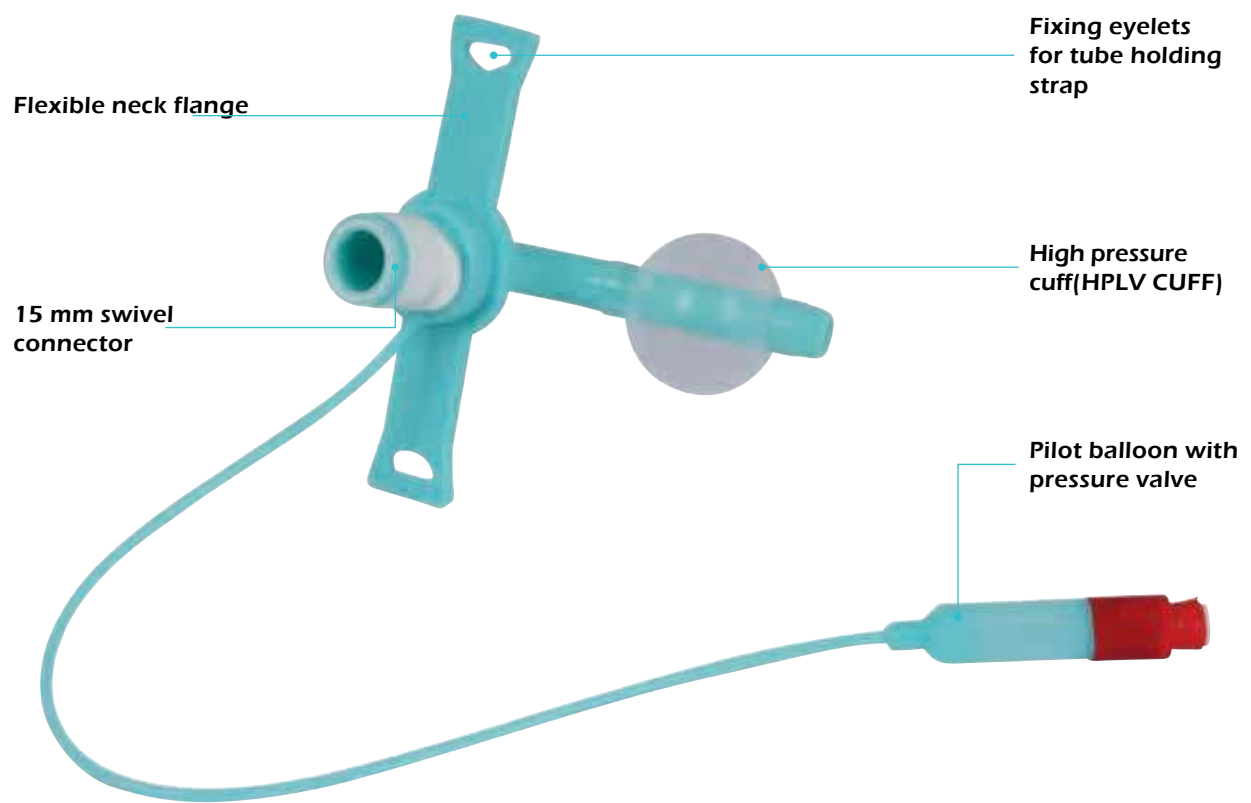
AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHEOTEC® SILC VARIO CUFF

STERILE

The TRACHEOTEC® SILC VARIO CUFF is considered to be a truly special cannula: unlike other cannulas, it has a high-pressure cuff (HPLV cuff) which is used for special areas of application. The filling volume of the high pressure cuff is to be determined

by the physician. In its unfilled state, the cuff lies very close to the cannula shaft, which allows for particularly easy and atraumatic insertion of the tracheostomy tube.



TRACHEOTEC® SILC VARIO CUFF

STERILE


The TRACHEOTEC® SILC VARIO CUFF tracheostomy tube with high-pressure cuff is made of medical-grade silicone, which offers extremely comfortable properties. By inflating the cuff, the cannula can be sealed against the tracheal wall inside the tracheostoma in a targeted and controlled manner. Aspiration of secretion fluid running along the side of the tracheostomy tube is also largely prevented.

An insertion aid (obturator) is included in the scope of delivery which facilitates the use of the tracheostomy tube.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	Ø CD	COLOUR CODE	REF
05	7.3	7.3	5.0	59.0	56.0	107°	18.8		18850-05
06	8.7	8.7	6.0	70.0	66.0	107°	20.5		18850-06
07	10.0	10.0	7.0	75.0	69.0	107°	22.6		18850-07
08	11.0	11.0	8.0	81.0	75.0	108°	28.2		18850-08
09	12.3	12.3	9.0	92.0	85.0	108°	29.3		18850-09

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHLINE®

STERILE

The standard tracheostomy tube with a very broad range of applications! Five variants ensure that this cannula is the tracheostomy tube of choice in numerous common applications. Variants are available with and without cuff, with sieving and unsieved; and in addition, also as a special cannula with integrated suction tube for subglottic suction.

All TRACHLINE® variants contain three inner cannulas, which gives the cannula great flexibility in terms of application and use. The inner cannulas

are fixed in the outer cannula using a bayonet lock. Here again, easy handling has been combined with maximum patient safety. The inner cannula with flat profile is secured via a special locking ring. The set of sieved variants includes a speaking valve and a locking cap. For atraumatic insertion of the cannula, all variants include an insertion aid (obturator).

An interesting extra: a cough protection cap protects the patient's surroundings in case of cough stimuli.



TRACHLINE® UNI

STERILE



The TRACHLINE® UNI comes with a total of three inner cannulas. Two inner cannulas are fitted with a standardised 15 mm connector. And a further inner cannula with flat profile is also included. In addition to the inner cannulas, the scope of delivery also includes a separate 15 mm connector which can be attached to the TRACHLINE® tracheostomy tube without an inner cannula. The connector makes it possible to use HMEs or other accessories with a 15 mm connector. A cough cap is also included. An insertion aid (obturator) is included in the scope of delivery to facilitate the use of the tracheostomy tube.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	REF
05	9.1	8.1	6.5	5.0	67.0	62.0	115°	13803-05
06	10.2	9.1	7.5	6.0	75.0	70.0	110°	13803-06
07	11.2	10.1	8.5	7.0	79.0	72.0	105°	13803-07
08	12.2	11.5	9.5	8.0	85.0	80.0	100°	13803-08
09	13.1	12.0	10.5	9.0	91.0	82.0	95°	13803-09
10	14.3	13.6	11.5	10.0	95.0	84.0	90°	13803-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHLINE® UNI LINGO PHON

STERILE



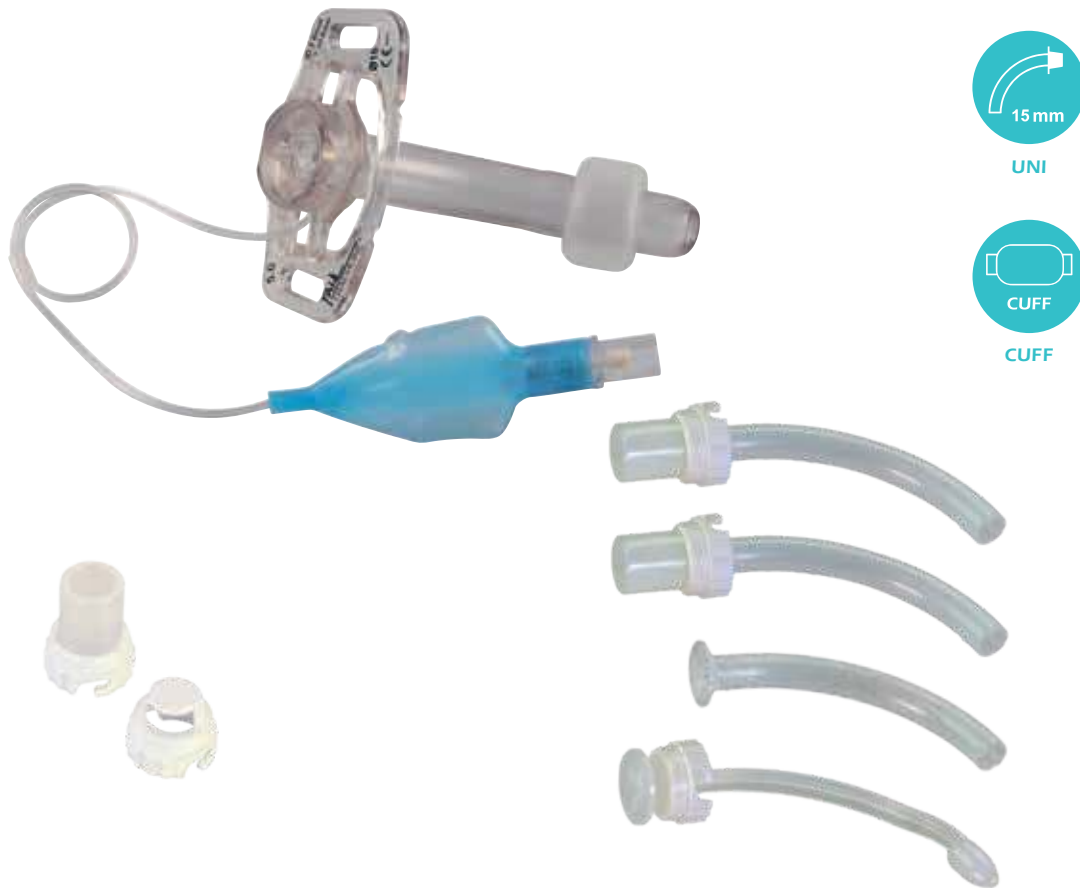
The TRACHLINE® UNI LINGO PHON is a tracheostomy tube with sieving that enables voice rehabilitation for tracheotomised patients.

The scope of delivery includes an inner cannula fitted with a standardised 15 mm connector. In addition, there is a sieved flat inner cannula and a sieved inner cannula with a 15 mm connector. In addition to the safety ring, the cough cap and the separate 15 mm connector, the cannula set also includes a red decannulation plug and a speaking valve.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	REF
05	9.1	8.1	6.5	5.0	67.0	62.0	115°	13804-05
06	10.2	9.1	7.5	6.0	75.0	70.0	110°	13804-06
07	11.2	10.1	8.5	7.0	79.0	72.0	105°	13804-07
08	12.2	11.5	9.5	8.0	85.0	80.0	100°	13804-08
09	13.1	12.0	10.5	9.0	91.0	82.0	95°	13804-09
10	14.3	13.6	11.5	10.0	95.0	84.0	90°	13804-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHLINE® UNI CUFF

STERILE


UNI



CUFF

The TRACHLINE® UNI CUFF tracheostomy tube comes with a total of three inner cannulas. Two inner cannulas are fitted with a standardised 15 mm connector. Suitable 15 mm accessories (e.g. "artificial noses") can be attached to this connection. And a further inner cannula with flat profile is also included. In addition to the inner cannulas, the scope of delivery also includes a separate 15 mm connector which can be attached to the TRACHLINE® tracheostomy tube without an inner cannula. The connector makes it possible to use HMEs or other accessories with a 15 mm connection. A cough cap is also included. The insertion aid (obturator) facilitates insertion of the cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	Ø CD	REF
05	10.6	10.0	6.5	5.0	68.0	62.0	115°	18.0	13800-05
06	11.7	11.0	7.5	6.0	76.0	70.0	110°	22.0	13800-06
07	12.8	12.2	8.5	7.0	80.0	72.0	105°	22.0	13800-07
08	13.8	13.0	9.5	8.0	86.0	80.0	100°	26.0	13800-08
09	14.8	14.0	10.5	9.0	92.0	82.0	95°	30.0	13800-09
10	15.8	14.5	11.5	10.0	96.0	84.0	90°	32.0	13800-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHLINE® UNI LINGO PHON CUFF

STERILE



The TRACHLINE® UNI LINGO PHON CUFF is a tracheostomy tube with cuff and sieving that enables voice rehabilitation for tracheotomised patients.

The TRACHLINE® UNI LINGO PHON CUFF tracheostomy tube comes with a total of three inner cannulas. One inner cannula is fitted with a standardised 15 mm connector. In addition, there is a sieved flat inner cannula and a sieved inner cannula with a 15 mm connector. In addition to the safety ring, the cough cap and the separate 15 mm connector, the scope of delivery also includes a red decannulation plug/sealing plug and a speaking valve.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	Ø CD	REF
05	10.6	10.0	6.5	5.0	68.0	62.0	115°	18.0	13801-05
06	11.7	11.0	7.5	6.0	76.0	70.0	110°	22.0	13801-06
07	12.8	12.2	8.5	7.0	80.0	72.0	105°	22.0	13801-07
08	13.8	13.0	9.5	8.0	86.0	80.0	100°	26.0	13801-08
09	14.8	14.0	10.5	9.0	92.0	82.0	95°	30.0	13801-09
10	15.8	14.5	11.5	10.0	96.0	84.0	90°	32.0	13801-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

TRACHLINE® UNI CUFF SUCTION

STERILE


The TRACHLINE® UNI CUFF SUCTION tracheostomy tube with suction device is a blockable tracheostomy tube, which offers the option of removing secretions collected above the cuff from the trachea, through a separate tube, if required. For this purpose, the outer cannula contains a fine tube, which can be connected to an external vacuum pump or syringe. Suction accessories can be adapted safely using the suction funnel or Luer connection supplied.

The TRACHLINE® UNI CUFF SUCTION tracheostomy tube comes with a total of three inner cannulas. Two inner cannulas are fitted with a standardised universal adapter. Suitable 15 mm accessories (e.g. "artificial noses") can be attached to this 15 mm connector. And a further inner cannula with flat profile is also included. The flat inner cannula is secured by a locking ring in the outer cannula. In addition to the inner cannulas, the set also includes a separate 15 mm connector which can be attached to the TRACHLINE® tracheostomy tube without an inner cannula. The connector makes it possible to use HMEs or other accessories with a 15 mm connector. A cough cap is also included. The insertion aid (obturator) facilitates insertion of the cannula.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	Ø CD	REF
07	12.8	12.2	8.5	7.0	80.0	72.0	105°	22.0	13802-07
08	13.8	13.0	9.5	8.0	86.0	80.0	100°	26.0	13802-08
09	14.8	14.0	10.5	9.0	92.0	82.0	95°	30.0	13802-09

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | ° = specification in degrees | all specifications in mm

FAHL® BIESALSKI

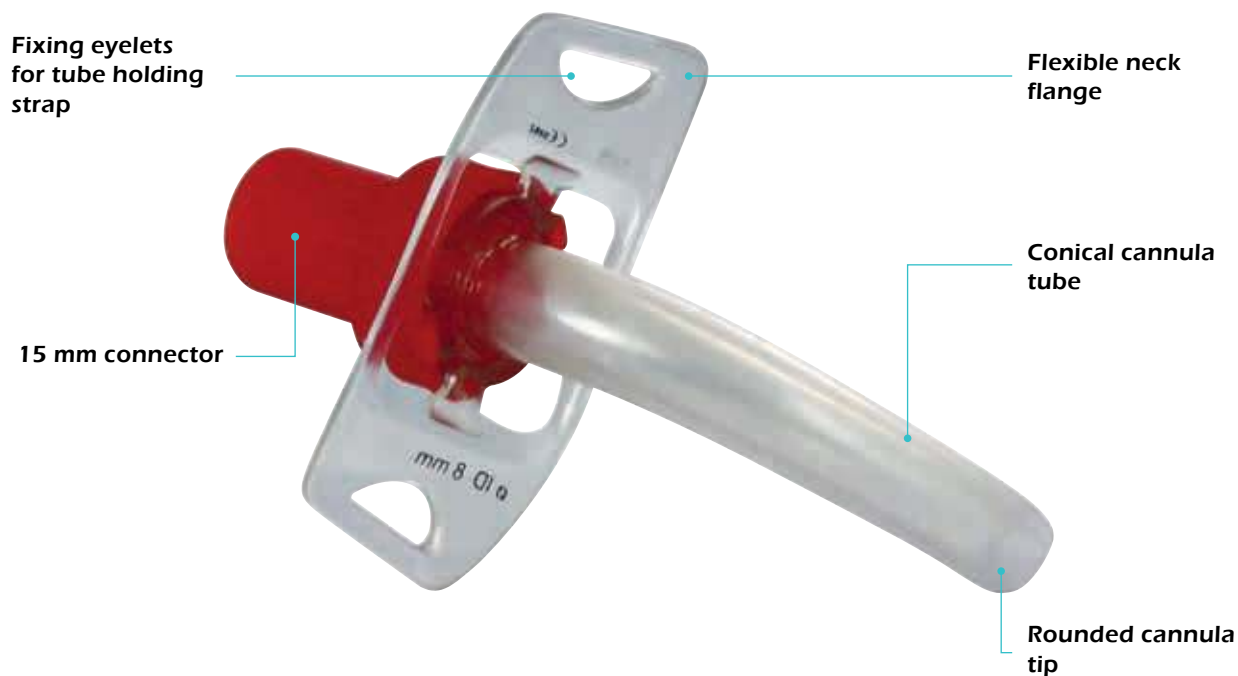
STERILE

Popular and proven: the FAHL® BIESALSKI tracheostomy tube has proven itself in practice for many years due to its uncomplicated, practical design and it is impossible to imagine the FAHL® range being without it.

An extensive range of sizes, from particularly small cannula sizes for use in providing aids for children to adult sizes, enables an individual selection. The cannula features two inner cannulas, a 15 mm connector to be attached separately and a speaking valve.

These elements can also be attached to the outer cannula when an inner cannula is placed, so that all intended uses are possible with one type of inner cannula.

The 15 mm connector, the neck flange and the inner cannula are colour-coded according to their size. The FAHL® BIESALSKI tracheostomy tube is characterised by a unique feature in that the special shape of the cannula enables speaking even though the cannula is not fenestrated. Here, the air to be exhaled flows around the outer cannula.



FAHL® BIESALSKI**STERILE**

The cannula tube of the FAHL® BIESALSKI tracheostomy tube is conical. This means that the tracheostomy tube has a larger diameter at the neck flange than at the rounded tip of the cannula. The reduced diameter at the tip simplifies insertion of the tracheostomy tube. Due to the conical cannula tube, exhaled air flows around the cannula and enables voice rehabilitation for tracheotomised patients, even though the cannula is not fenestrated.

Two inner cannulas are included, as well as a clip-on speaking valve and a cough cap.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	CODE COLOUR	REF IC	REF
04	8.4	5.6	4.0	2.3	44.0	40.0	60°		-	17900-04
05	9.0	6.5	5.0	3.3	46.0	43.0	70°		-	17900-05
06	9.7	7.7	6.0	3.9	52.0	47.0	70°		17905-06	17900-06
07	11.0	8.6	7.0	5.0	60.0	56.0	80°		17905-07	17900-07
08	12.0	9.7	8.0	5.9	66.0	62.0	85°		17905-08	17900-08
09	14.0	11.5	9.0	7.0	71.0	65.0	85°		17905-09	17900-09
10	15.0	12.1	10.0	7.9	75.0	67.0	90°		17905-10	17900-10
11	16.0	12.4	11.0	9.2	78.5	67.0	90°		17905-11	17900-11
12	17.0	13.9	12.0	9.8	77.0	71.0	90°		17905-12	17900-12

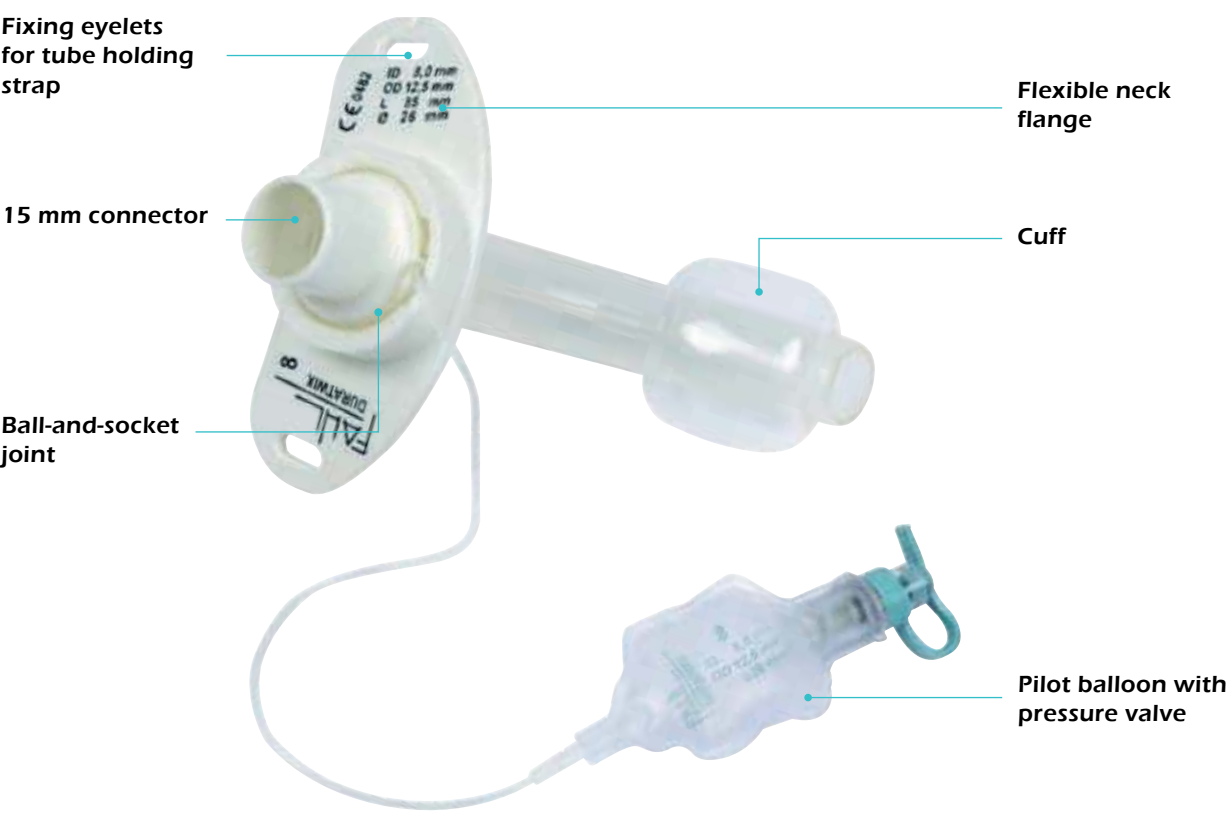
AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX®

STERILE

The classic among FAHL tracheostomy tubes: made of high-quality medical-grade polyurethane, both with and without cuff and optional sieving, this tube is the ideal solution for intensive care, for patients requiring ventilation, for use in ENT or in the home-care sector. The neck flange in combination with a ball-and-socket joint, rotatable through 360°, allows extensive neck mobility and reduces the pressure of the flange on the neck. Sieving helps to reduce

aspiration. Different inner cannulas accommodate different requirements. For example, the inner cannula with rotating 15 mm connector is often used where it is necessary to counteract external torsional and shear forces (ventilation tube). Inner cannulas with a fixed 15 mm connector are preferred, for example, when wearing an HME. Colour coding of the different connectors allows quick differentiation of the individual inner cannulas in situ.



DURATWIX® UNI VARIO**STERILE**

In this Duratwix® UNI VARIO tracheostomy tube, the inner cannulas are each fitted with a 15 mm connector. This way, heat and moisture exchangers (HMEs), so-called "artificial noses" or speaking valves can be placed onto the adapter.

In one inner cannula, the connector is in the form of a swivel version. The 15 mm swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes.

An insertion aid and a tube holding strap are included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	REF Short	REF
06	11.9	10.3	8.0	6.3	82.0	72.0	-	-	90°	-	19211-06
07	11.9	10.8	8.6	7.0	82.0	72.0	72.0	63.0	90°	19212-07	19211-07
08	12.5	11.4	9.5	8.0	85.0	73.0	75.0	64.0	90°	19212-08	19211-08
09	13.7	12.5	10.6	9.0	88.0	74.0	78.0	65.0	90°	19212-09	19211-09
10	15.0	13.8	11.6	10.0	91.0	75.0	81.0	66.0	90°	19212-10	19211-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® UNI VARIO LINGO

STERILE



The DURATWIX® UNI VARIO LINGO is a sieved tracheostomy tube for voice rehabilitation. To use the speaking function, you need an additional speaking valve which can be attached to the 15 mm connector of the inner cannula or an additional replacement fenestrated inner cannula with speaking valve (REF. 19841/19842). These articles must be ordered separately if required.

We supply the DURATWIX® LINGO tracheostomy tube with 2 inner cannulas, one with a 15 mm swivel connector and a fenestrated inner cannula with a 15 mm connector.

The swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes in the trachea.

An insertion aid (obturator), a decannulation plug and a tube holding strap are included in the scope of delivery.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Θ	REF	REF
Size	Flange	Tip	AK	IC			Short	Short	BW	Short	
06	11.9	10.3	8.0	6.3	82.0	72.0	-	-	90°	-	19261-06
07	11.9	10.8	8.6	7.0	82.0	72.0	72.0	63.0	90°	19262-07	19261-07
08	12.5	11.4	9.5	8.0	85.0	73.0	75.0	64.0	90°	19262-08	19261-08
09	13.7	12.5	10.6	9.0	88.0	74.0	78.0	65.0	90°	19262-09	19261-09
10	15.0	13.8	11.6	10.0	91.0	75.0	81.0	66.0	90°	19262-10	19261-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | ° = specification in degrees | all specifications in mm

DURATWIX® UNI VARIO CUFF

STERILE


DURATWIX® UNI VARIO CUFF tracheostomy tubes with cuff are supplied with two inner cannulas with universal attachment, one with a 15 mm swivel connector and one inner cannula with a 15 mm connector.

Heat and moisture exchangers (HME), so-called "artificial noses" with 15 mm connection can be adapted onto the connector.

In one inner cannula, the connector is in the form of a swivel version. The 15 mm swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes in the trachea.

Also available as short version DURATWIX® UNI VARIO CUFF short. An insertion aid (obturator) and a tube holder are included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	Ø CD	REF Short	REF
06	11.9	10.3	8.0	6.3	82.0	72.0	-	-	90°	22.0	-	19611-06
07	11.9	10.8	8.6	7.0	82.0	72.0	72.0	63.0	90°	22.0	19612-07	19611-07
08	12.5	11.4	9.5	8.0	85.0	73.0	75.0	64.0	90°	26.0	19612-08	19611-08
09	13.7	12.5	10.6	9.0	88.0	74.0	78.0	65.0	90°	28.0	19612-09	19611-09
10	15.0	13.8	11.6	10.0	91.0	75.0	81.0	66.0	90°	30.0	19612-10	19611-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® UNI VARIO LINGO CUFF

STERILE

UNI

VARIO

CUFF

LINGO

The DURATWIX® UNI VARIO LINGO CUFF is a tracheostomy tube with cuff which can be used by tracheotomised patients. To be able to use the basic speaking function of the DURATWIX® tracheostomy tube, you require an additional speaking valve which can be attached to the 15 mm connector of the fenestrated inner cannula. This speaking valve can be ordered separately if required. An additional replacement fenestrated inner cannula with speaking valve (REF 19841/19842) is also available.

We supply the DURATWIX® UNI VARIO LINGO CUFF tracheostomy tube with 2 inner cannulas, one with a 15 mm swivel connector and a fenestrated inner cannula with a 15 mm connector. The swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes in the trachea.

An insertion aid (obturator), a decannulation plug and a tube holding strap are included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	Ø CD	REF Short	REF
06	11.9	10.3	8.0	6.3	82.0	72.0	-	-	90°	22.0	-	19661-06
07	11.9	10.8	8.6	7.0	82.0	72.0	72.0	63.0	90°	22.0	19662-07	19661-07
08	12.5	11.4	9.5	8.0	85.0	73.0	75.0	64.0	90°	26.0	19662-08	19661-08
09	13.7	12.5	10.6	9.0	88.0	74.0	78.0	65.0	90°	28.0	19662-09	19661-09
10	15.0	13.8	11.6	10.0	91.0	75.0	81.0	66.0	90°	30.0	19662-10	19661-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICU REPLACEMENT INNER CANNULA

STERILE



The DURATWIX® ICU replacement inner cannula is an inner cannula fitted with a 15 mm connector.

It can be used with all tracheostomy tubes of the DURATWIX® series.

This way, heat and moisture exchangers (HME), so-called "artificial noses" or ventilation tubes can be adapted on this adapter.

GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
06	6.3	82.0	72.0	-	-	90°	3	-	19811-06
07	7.0	82.0	72.0	72.0	63.0	90°	3	19812-07	19811-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19812-08	19811-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19812-09	19811-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19812-10	19811-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICV REPLACEMENT INNER CANNULA

STERILE

The DURATWIX® ICV replacement inner cannula is an inner cannula fitted with a 15 mm swivel connector. The swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes in the trachea. This way, heat and moisture exchangers (HME), so-called "artificial noses" or ventilation tubes can be adapted on this connector.



GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
07	7.0	82.0	72.0	72.0	63.0	90°	3	19822-07	19821-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19822-08	19821-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19822-09	19821-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19822-10	19821-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICK REPLACEMENT INNER CANNULA**STERILE**

The DURATWIX® ICK replacement inner cannula is an inner cannula fitted with a 22 mm combi-adapter.

It can be used with all tracheostomy tubes of the DURATWIX® series.

The combi-adapter enables the connection of compatible accessories with a 22 mm combi-adapter, e.g., for the use of special filters such as Humidotwin or standard HMEs.

GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
07	7.0	82.0	72.0	72.0	63.0	90°	3	19832-07	19831-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19832-08	19831-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19832-09	19831-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19832-10	19831-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICFU REPLACEMENT INNER CANNULA**STERILE**

The DURATWIX® ICFU replacement inner cannula is a fenestrated inner cannula fitted with a 15 mm connector. It can be used with all Lingo variants of the DURATWIX® tracheostomy tube series. This way, heat and moisture exchangers (HMEs), so-called "artificial noses" or speaking valves can be placed onto the adapter.



GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
06	6.3	82.0	72.0	-	-	90°	3	-	19861-06
07	7.0	82.0	72.0	72.0	63.0	90°	3	19862-07	19861-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19862-08	19861-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19862-09	19861-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19862-10	19861-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICFV REPLACEMENT INNER CANNULA

STERILE

VARIO

LINGO


The DURATWIX® ICFV replacement inner cannula is a fenestrated inner cannula fitted with a 15 mm swivel connector. It can be used with all LINGO variants of the DURATWIX® tracheostomy tube series.

The swivel connector also minimises any possible tractive forces from adapted tube systems, preventing irritation of the mucous membranes.

GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
06	6.3	82.0	72.0	-	-	90°	3	-	19871-06
07	7.0	82.0	72.0	72.0	63.0	90°	3	19872-07	19871-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19872-08	19871-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19872-09	19871-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19872-10	19871-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® ICFK REPLACEMENT INNER CANNULA

STERILE

The DURATWIX® ICFK replacement inner cannula is a fenestrated inner cannula fitted with a 22 mm combi-adapter. It can be used with all Lingo variants of the DURATWIX® tracheostomy tube series. The combi-adapter enables the connection of compatible accessories with a 22 mm combi-adapter.


KOMBI

LINGO

GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
07	7.0	82.0	72.0	72.0	63.0	90°	3	19882-07	19881-07
08	8.0	85.0	73.0	75.0	64.0	90°	3	19882-08	19881-08
09	9.0	88.0	74.0	78.0	65.0	90°	3	19882-09	19881-09
10	10.0	91.0	75.0	81.0	66.0	90°	3	19882-10	19881-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® PHON ICF REPLACEMENT INNER CANNULA

STERILE



LINGO



PHON



The DURATWIX® PHON ICF replacement inner cannula is a fenestrated inner cannula, fitted with a plastic speaking valve.

It must only be used in combination with a DURATWIX® LINGO tracheostomy tube.

The DURATWIX® PHON ICF replacement inner cannula is packaged sterile.

GR Size	ID2 IC	L1 AB	L2 MB	L1 AB Short	L2 MB Short	Θ BW	PU	REF Short	REF
07	7.0	82.0	72.0	72.0	63.0	90°	2	19842-07	19841-07
08	8.0	85.0	73.0	75.0	64.0	90°	2	19842-08	19841-08
09	9.0	88.0	74.0	78.0	65.0	90°	2	19842-09	19841-09
10	10.0	91.0	75.0	81.0	66.0	90°	2	19842-10	19841-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURATWIX® SOLO ADAPTER VARIO

STERILE

This DURATWIX® universal attachment is a 15 mm swivel connector. This adapter can be fixed to the outer cannula, without an inner cannula. It can be used with all tracheostomy tubes of the DURATWIX® series. This way, heat and moisture exchangers (HMEs), so-called "artificial noses" or speaking valves can be placed onto the adapter.



VARIO

ORDER INFORMATION	PU	REF
DURATWIX® SOLO ADAPTER VARIO	3	19807

DURATWIX® PLUG

STERILE


The DURATWIX® PLUG decannulation plug is required when tracheotomised patients, with retained larynx, are to be weaned off their tracheostomy tubes. With the aid of the PLUG, the air supply through the tracheostoma is blocked, under medical supervision, for a certain period. This requires the patient to breathe naturally through the nose/mouth, for this period of time. Because natural breathing is fairly strenuous after a tracheotomy, the patient must become accustomed to normal breathing again, step-by-step.

The DURATWIX® PLUG decannulation plug may only be used with the DURATWIX® LINGO series; the outer cannula must be sieved.

ORDER INFORMATION	PU	REF
DURATWIX® PLUG	5	19805

DURATWIX® SOLO ADAPTER KOMBI

STERILE

The DURATWIX® KOMBI-ADAPTER SOLO is an adapter which features a 22 mm combi-adapter. This connector can be fixed to the outer cannula, without an inner cannula.

It can be used with all tracheostomy tubes of the DURATWIX® series. The combi-adapter enables the connection of compatible accessories with a 22 mm combi-adapter, e.g., for the use of special filters e.g., Humidotwin, standard HMEs for voice prosthesis users or the HUMIDOPHONE®.speaking valve with filter function, specially developed for tracheotomised patients.


KOMBI

ORDER INFORMATION	PU	REF
DURATWIX® SOLO ADAPTER KOMBI	3	19808

DURACUFF®

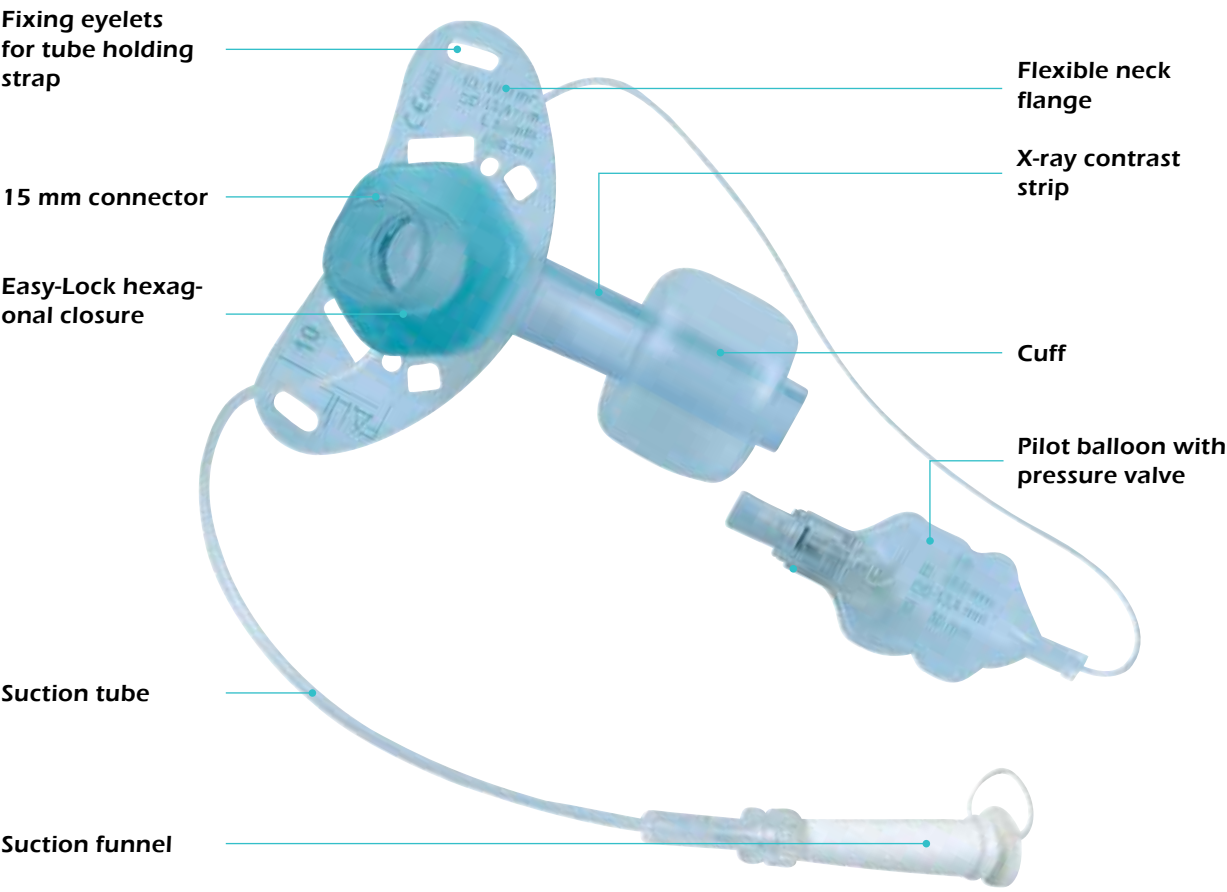
STERILE

All DURACUFF® cannulas feature a cuff. They feature two inner cannulas with a 15 mm connector, one with a fixed connector, the other with a rotating connector, to buffer torsional and pressure forces of the ventilation tube. The inner cannulas are fitted into the outer cannula with the proven Easy-Lock hexagonal closure and firmly locked in place with the DURACUFF® Clip to ensure the safety required in ventilation. DURACUFF® cannu-

las are offered in three different lengths per size: standard, M and XL.

Cannulas with an integrated suction tube are available for subglottic suction.

The speaking cannulas are fitted with the lightweight and easy-to-replace Combiphon® speaking valve.



DURACUFF® VARIO

STERILE



VARIO



CUFF

In the DURACUFF® VARIO tracheostomy tubes, the cannulas are each fitted with a standardised universal adapter. In this version of the DURACUFF® tracheostomy tube, a 15 mm swivel connector is located directly on the outer cannula's neck flange. This way, heat and moisture exchangers (HMEs), so-called "artificial noses" or speaking valves can be placed onto the connector. The swivel connector also minimises any possible tractive forces from adapted tube systems, preventing injury to the mucous membranes.

The DURACUFF® VARIO tracheostomy tube is also available as medium length M.

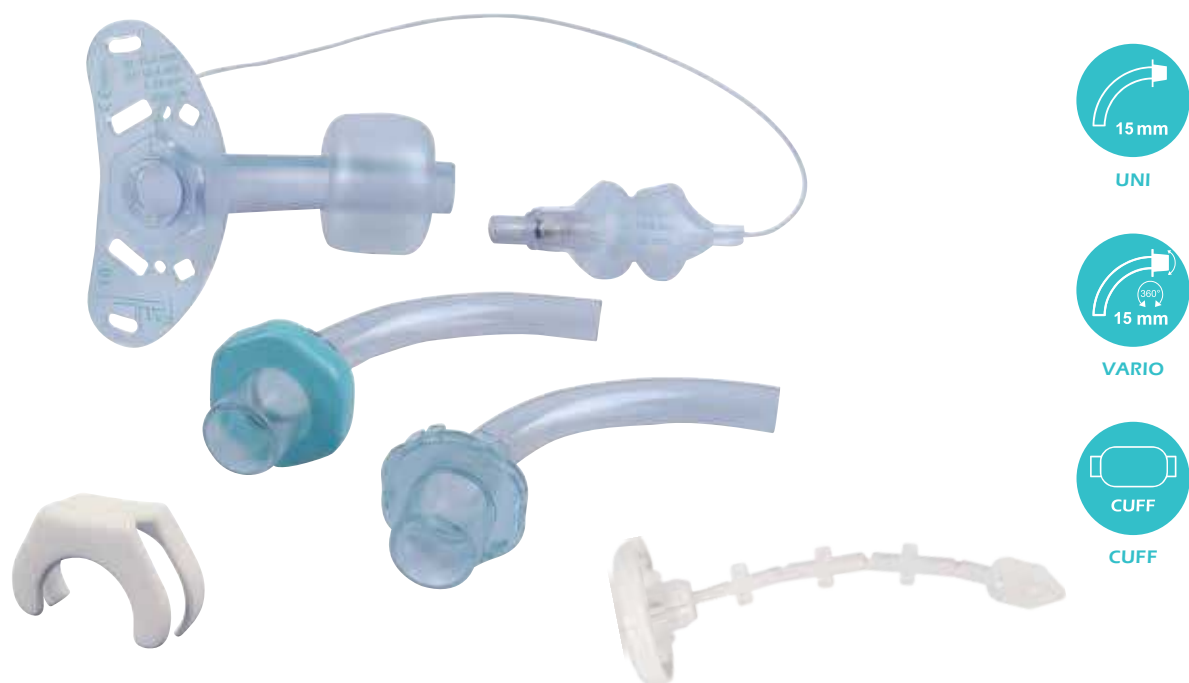
In addition, an insertion aid (obturator) and a tube holding strap are included in the scope of delivery.

GR	AD1	AD2	ID1	L1 AB	L2 MB	L1 AB	L2 MB	Ø	Ø	REF	REF
Size	Flange	Tip	AK			M	M	BW	CD	M	
07	10.2	8.8	7.0	65.0	56.0	75.0	66.0	90°	22.0	13100-07	13000-07
08	11.2	9.8	8.0	70.0	61.0	80.0	73.0	90°	26.0	13100-08	13000-08
09	12.4	11.2	9.0	75.0	66.0	85.0	77.0	90°	30.0	13100-09	13000-09
10	13.4	12.2	10.0	85.0	76.0	95.0	86.0	90°	30.0	13100-10	13000-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® UNI VARIO

STERILE



In this DURACUFF® UNI VARIO tracheostomy tubes, the inner cannula is fitted with a standardised uni-
versal adapter in each case. This way, heat and moisture exchangers (HME), so-called "artificial noses"
can be adapted on this adapter.

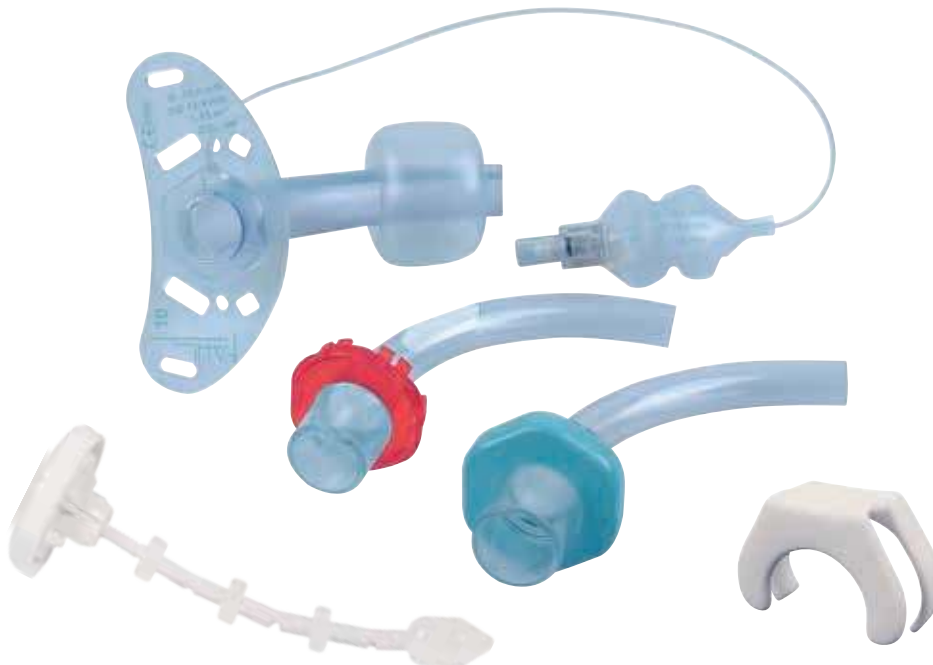
In one inner cannula, the universal adapter is in the form of a swivel connector. The swivel connector
also minimises any possible tractive forces from adapted tube systems, preventing injury to the mucous
membranes.

The DURACUFF® UNI VARIO tracheostomy tube is also available as medium length M and as XL.

The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a
15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube
holding strap.

GR	AD1	AD2	ID1	ID2	L1-AB	L2-MB	L1-AB	L2-MB	Ø	Ø	REF	REF
Size	Flange	TIP	AK	IC			M	M	BW	CD	M	
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13102-07	13002-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13102-08	13002-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13102-09	13002-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13102-10	13002-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13102-11	13002-11
12	15.4	14.2	12.0	10.2	-	-	100.0	91.0	90°	32.0	13102-12	-

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannu-
la | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® UNI VARIO LINGO**STERILE**

UNI



VARIO



CUFF



LINGO

The DURACUFF® UNI VARIO LINGO is a sieved tracheostomy tube for voice rehabilitation. To be able to use the speaking function, you require an additional speaking valve which can be attached to the 15 mm connector of the inner cannulas.

We supply the DURACUFF® UNI VARIO LINGO tracheostomy tube with 2 inner cannulas, one with a 15 mm swivel connector and a fenestrated inner cannula with a 15 mm connector.

The DURACUFF® UNI VARIO LINGO tracheostomy tube is also available as medium length M and as XL.

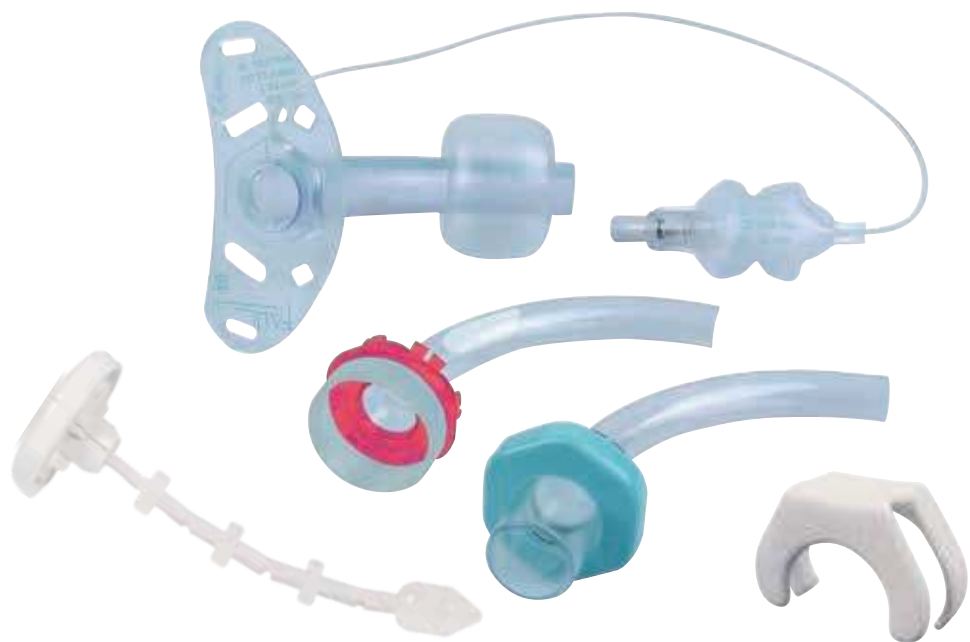
The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Θ	Ø	REF	REF
Size	Flange	Tip	AK	IC			M	M	BW	CD	M	
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13122-07	13022-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13122-08	13022-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13122-09	13022-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13122-10	13022-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13122-11	13022-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® VARIO KOMBI LINGO

STERILE



VARIO



KOMBI



CUFF



LINGO

The DURACUFF® UNI VARIO LINGO is a sieved tracheostomy tube for voice rehabilitation. To be able to use the speaking function, you require an additional speaking valve which can be attached to the 15 mm connector of the inner cannulas.

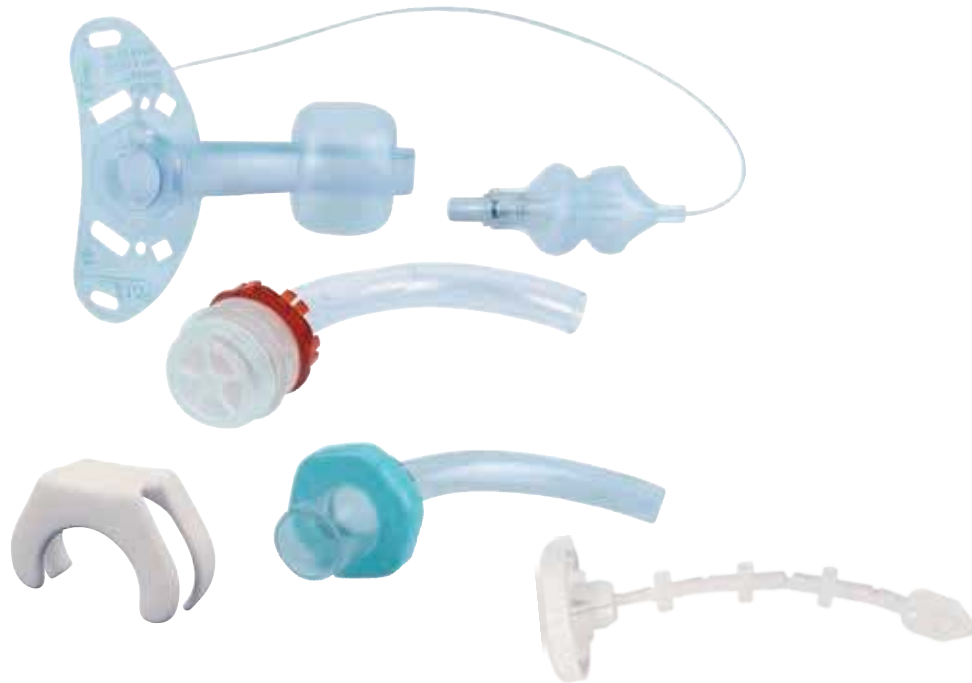
The DURACUFF® VARIO KOMBI LINGO sieved tracheostomy tube is supplied with 2 inner cannulas. One of these is fenestrated and has a 22 mm combi-adapter; the other inner cannula is equipped with a 15 mm swivel connector. The combi-adapter enables the connection of compatible accessories with a 22 mm combi-adapter, e.g., for the use of special filters, speaking valves and tracheostoma valves. The inner cannula with a 15 mm connector is used when, for example, the respiratory air is to be conditioned using so-called "artificial noses".

The DURACUFF® VARIO KOMBI LINGO tracheostomy tube is also available as medium length M and as XL in size 9.

The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Θ	Ø	REF	REF
Size	Flange	Tip	AK	IC			M	M	BW	CD	M	
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13172-08	13072-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13172-09	13072-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13172-10	13072-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® VARIO KOMBI LINGO PHON**STERILE**

VARIO



KOMBI



LINGO



PHON

The Duracuff® VARIO KOMBI LINGO PHON is the speech version of the Duracuff® tracheostomy tube with cuff.

We supply the Duracuff® VARIO KOMBI LINGO PHON with two inner cannulas, one of which features a 15 mm swivel connector and the other a 22 mm combi-adapter to accommodate a silicone speaking valve, for example.

The DURACUFF® VARIO KOMBI LINGO tracheostomy tube is also available as medium length M and as XL in sizes 8 and 9.

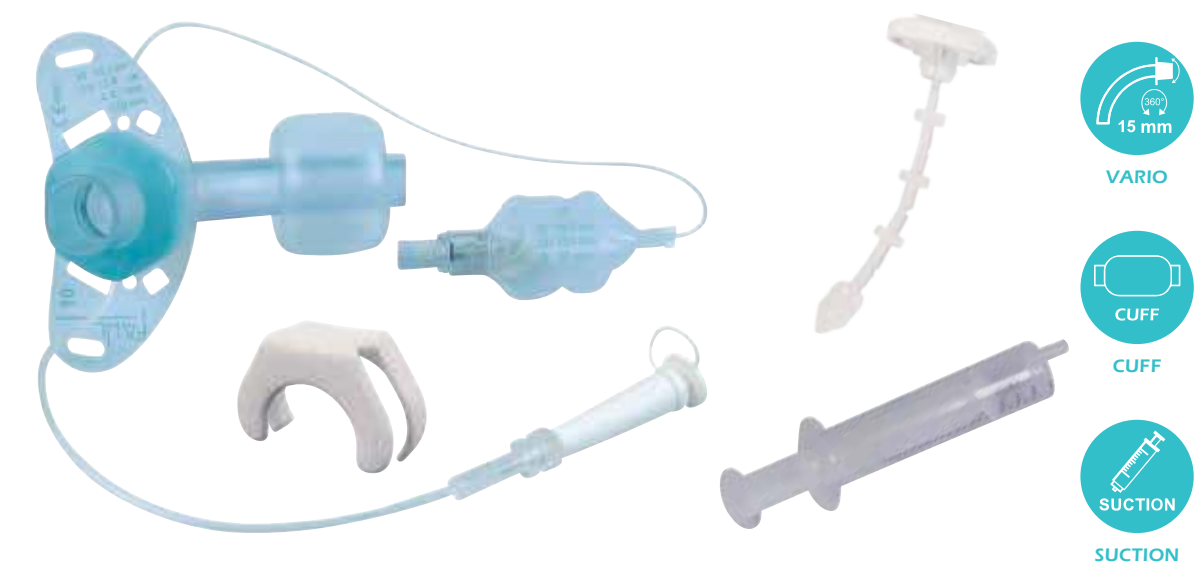
The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Ø	Ø	REF	REF
Size	Flange	Tip	AK	IC			M	M	BW	CD	M	
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13112-07	13012-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13112-08	13012-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13112-09	13012-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13112-10	13012-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13112-11	13012-11
12	15.4	14.2	12.0	10.2	90.0	81.0	-	-	90°	32.0	-	13012-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® VARIO SUCTION

STERILE



The DURACUFF® VARIO SUCTION tracheostomy tube with suction device is a blockable tracheostomy tube, which offers the option of suctioning secretions collected above the cuff from the trachea, through a separate tube, if required. For this purpose, the outer cannula contains a fine tube with suction funnel which can, for example, be connected to an external suction device. The suction line is incorporated into the outer cannula in such a way that it does not stand out and therefore does not lead to additional irritation of the tracheal wall.

Suction can be carried out using a suction line with vacuum regulator, or the attached disposable syringe. Suction accessories can be adapted safely using the suction funnel or Luer connection. The tracheostomy tube features a 15 mm swivel connector (VARIO).

The DURACUFF® UNI VARIO SUCTION tracheostomy tube is also available as medium length M and as XL.

The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Ø	Ø	REF	REF
Size	Flange	Tip	AK	IC			M	M	BW	CD	M	
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13140-07	13040-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13140-08	13040-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13140-09	13040-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13140-10	13040-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13140-11	13040-11
12	15.4	14.2	12.0	10.2	90.0	81.0	-	-	90°	32.0	-	13040-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® UNI VARIO SUCTION

STERILE


UNI



VARIO



CUFF



SUCTION

The DURACUFF® UNI VARIO SUCTION tracheostomy tube with suction device is a tracheostomy tube, which offers the option of suctioning secretions collected above the cuff from the trachea, through a separate tube, if required. For this purpose, the outer cannula contains a fine tube with suction funnel which can, for example, be connected to an external suction device. The suction line is incorporated into the outer cannula in such a way that it does not stand out and therefore does not lead to additional irritation of the tracheal wall. The DURACUFF® UNI VARIO SUCTION is supplied, as standard with two inner cannulas with 15 mm connector, where one of the two adapters is a swivel adapter.

Suction can be carried out using a suction line with vacuum regulator, or the attached disposable syringe. Suction accessories can be adapted safely using the suction line or Luer connection.

The DURACUFF® UNI VARIO SUCTION tracheostomy tube is also available as medium length M and as XL.

The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 OB	L2 CA	L1 AB M	L2 MB M	Ø BW	Ø CD	REF M	REF
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13132-07	13032-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13132-08	13032-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13132-09	13032-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13132-10	13032-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13132-11	13032-11
12	15.4	14.2	12.0	10.2	90.0	81.0	100.0	91.0	90°	32.0	13132-12	13032-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® VARIO KOMBI LINGO PHON SUCTION

STERILE



The DURACUFF® VARIO KOMBI LINGO PHON SUCTION is the speech cannula version of the DURACUFF® VARIO KOMBI SUCTION. It combines the features of a blockable DURACUFF® speech cannula with the options of subglottic secretion aspiration.

We supply the DURACUFF® VARIO KOMBI LINGO PHON SUCTION with two inner cannulas, one of which features a 15 mm swivel connector and the other a 22 mm combi-adaptor to accommodate a speaking valve.

The version with suction funnel and Luer connection enables the adaptation of the suction accessories so that suction can be performed using either a syringe or a suction device.

The DURACUFF® VARIO KOMBI LINGO PHON SUCTION tracheostomy tube is also available as medium length M and as XL.

The scope of delivery also includes the DURACUFF® CLIP adapter, for locking the inner cannula, with a 15 mm swivel connector for mechanical ventilation, as well as an obturator (insertion aid) and a tube holding strap.

GR	AD1	AD2	ID1	ID2	L1 OB	L2 CA	L1 AB	L2 MB	Θ	Ø	REF	REF
Size	Flange	Tip	AK	IC			M	M	BW	CD	M	
07	10.2	8.8	7.0	5.5	65.0	56.0	75.0	66.0	90°	22.0	13142-07	13042-07
08	11.2	9.8	8.0	6.5	70.0	61.0	80.0	73.0	90°	26.0	13142-08	13042-08
09	12.4	11.2	9.0	7.5	75.0	66.0	85.0	77.0	90°	30.0	13142-09	13042-09
10	13.4	12.2	10.0	8.5	85.0	76.0	95.0	86.0	90°	30.0	13142-10	13042-10
11	14.4	13.2	11.0	9.5	87.0	77.0	97.0	91.0	90°	32.0	13142-11	13042-11

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURACUFF® CLIP



The DURACUFF® CLIP for locking the inner cannula enables fixation of the inner cannula with 15 mm swivel connector, such that DURACUFF® tracheostomy tubes with inner cannulas and 15 mm swivel connector can be used during mechanical ventilation of a patient.

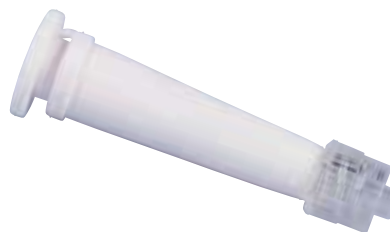
The DURACUFF® CLIP for locking the inner cannula must be used with all DURACUFF® tracheostomy tubes with inner cannulas with a 15 mm swivel connector when patients are ventilated mechanically!

The DURACUFF® CLIP is attached to the DURACUFF® tracheostomy tube before starting mechanical ventilation. It secures the inner cannula via the lock with the outer cannula and so prevents the inner cannula from accidentally detaching.

ORDER INFORMATION	PU	REF
DURACUFF® CLIP	1	13299

DURACUFF® SUCTION FUNNEL

The suction funnel with Luer connection enables the adaptation of the suction accessories for tracheostomy tubes with Luer connection, so that suction can be performed using either a syringe or a vacuum pump.

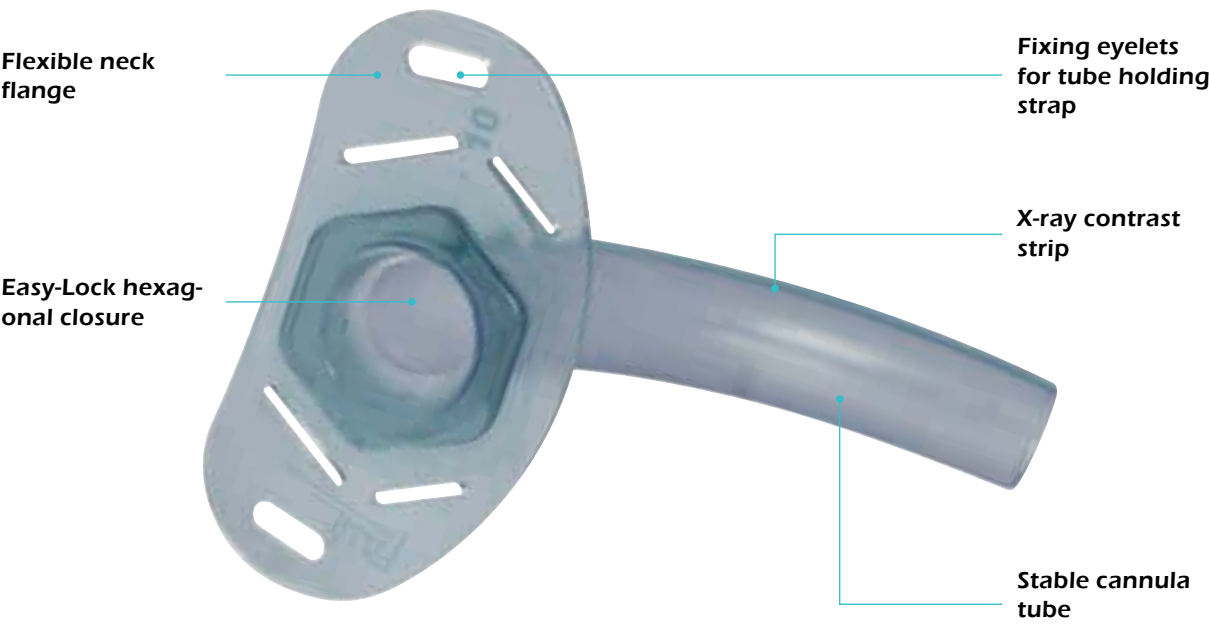


ORDER INFORMATION	PU	REF
DURACUFF® SUCTION FUNNEL	1	13995

DURAVENT®

This tracheostomy tube made of thermoflexible material has already proven itself for many years and offers an excellent solution package for the long-term or permanent cannula wearer with its large number of variants. According to requirements, the wearing time is up to six months. The Easy-Lock hexagonal closure allows the inner cannula to be locked easily into the outer cannula without twisting. Removal is by simple pulling. Such simple and at the same time safe handling is especially advantageous for the patient at home, where trained nursing

staff is not always available. The inner cannulas include variants with a flat profile, for example with a 15 mm connector. Two different types of speaking valves are offered for phonation: a metal speaking valve or a push-on COMBIPHON® speaking valve, with a lightweight silicone membrane which is easy to replace. The DURAVENT® tracheostomy tubes are available in standard length and XL versions. We also offer the service of customising DURAVENT® cannulas to customer specifications. The length, sieving and bending angle are variable here.



DURAVENT® UNI



The DURAVENT® UNI tracheostomy tube consists of an outer cannula and an inner cannula with a standardised 15 mm connector. Here, the connector is used to accommodate heat and moisture exchangers (HME), so-called "artificial noses", or speaking valves with a 15 mm connection.

The DURAVENT® UNI tracheostomy tube is a cannula with an integrated X-ray contrast strip. This allows the cannula to be checked for optimal positioning. The large inner diameter of the cannula allows easier and more comfortable breathing and, despite the thin-walled and flexible tube thickness, provides secure and comfortable wearing without any loss of stability.

The Easy Lock hexagonal connection enables the attachment of the SOLO adapter which is matched to the DURAVENT® cannulas. The DURAVENT® UNI tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap is included in the scope of delivery

GR Size	AD1 Flange	AD2 TIP	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB XL	L2 MB XL	Θ BW	REF XL	REF
03	5.2	3.8	2.7	1.8	55.0	51.0	-	-	90°	-	11011-03
3.5	6.2	4.8	3.6	2.7	55.0	51.0	-	-	90°	-	11011-035
04	7.2	5.8	4.4	3.3	55.0	51.0	-	-	90°	-	11011-04
05	8.4	6.6	5.4	4.3	55.0	51.0	95.0	89.0	90°	11211-05	11011-05
06	9.4	7.8	6.2	4.9	60.0	55.0	95.0	90.0	90°	11211-06	11011-06
07	10.2	8.8	7.0	5.5	65.0	59.0	100.0	92.0	90°	11211-07	11011-07
08	11.2	9.8	8.0	6.5	70.0	61.0	105.0	98.0	90°	11211-08	11011-08
09	12.4	11.2	9.0	7.5	75.0	67.0	105.0	98.0	90°	11211-09	11011-09
10	13.4	12.2	10.0	8.5	85.0	75.0	110.0	102.0	90°	11211-10	11011-10
11	14.4	13.2	11.0	9.5	87.0	78.0	115.0	103.0	90°	11211-11	11011-11
12	15.4	14.2	12.0	10.2	90.0	82.0	-	-	90°	-	11011-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAVENT® UNI KOMBI LINGO



UNI



KOMBI



LINGO

The DURAVENT® UNI KOMBI LINGO tracheostomy tube consists of a sieved outer cannula and two inner cannulas. One inner cannula has a 22 mm combi-adapter and is fenestrated. The combi-adapter enables the use of different filter and valve systems with 22 mm combi-adapters.

Insertion of a speaking valve into the housing ring of the inner cannula is also possible. Speaking valves e.g. COMBIPHON can be ordered separately.

The second fenestrated inner cannula is fitted with a 15 mm connector for attaching 15 mm filter systems (e.g. "artificial noses") as an example.

Furthermore, a tube holding strap is included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Ø BW	REF
08	11.2	9.8	8.0	6.5	70.0	61.0	90°	11072-08
09	12.4	11.2	9.0	7.5	75.0	67.0	90°	11072-09
10	13.4	12.2	10.0	8.5	85.0	75.0	90°	11072-10

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAVENT® UNI LINGO PHON



The DURAVENT® UNI LINGO PHON speaking cannula consists of an outer cannula and two inner cannulas, one of which has a push-on silver speaking valve. The speaking valve opens on inspiration and air can flow into the trachea. On exhalation, the silver valve closes and the air is directed towards the larynx for speaking. The inner cannula with a speaking valve features an oval opening, the so-called window.

The second inner cannula features a 15 mm connector, which enables the attachment of Heat and Moisture Exchangers (HMEs), so-called "artificial noses".

The DURAVENT® UNI LINGO PHON tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap is included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB XL	L2 MB XL	Ø BW	REF XL	REF
07	10.2	8.8	7.0	5.5	65.0	59.0	-	-	90°	-	21042-07
08	11.2	9.8	8.0	6.5	70.0	61.0	105	98.0	90°	21242-08	21042-08
09	12.4	11.2	9.0	7.5	75.0	67.0	105	98.0	90°	21242-09	21042-09
10	13.4	12.2	10.0	8.5	85.0	75.0	110	102.0	90°	21242-10	21042-10
11	14.4	13.2	11.0	9.5	87.0	78.0	-	-	90°	-	21042-11
12	15.4	14.2	12.0	10.2	90.0	82.0	-	-	90°	-	21042-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAVENT® UNI KOMBI LINGO PHON



UNI



KOMBI



LINGO



PHON

The DURAVENT® UNI-KOMBI LINGO PHON speaking cannula consists of an outer cannula and two inner cannulas, one with a 22 mm combi-adapter, the other with a 15 mm connector. The outer cannula features several small holes, which are referred to as a sieve. One of the inner cannulas supplied has a speaking valve attachment. The speaking valve opens on inspiration and air can flow into the trachea. On exhalation, the valve closes and the air is directed towards the larynx for speaking. This inner cannula features an oval opening, the so-called window.

The second inner cannula features a 15 mm connector, which enables the attachment of Heat and Moisture Exchangers (HMEs), so-called "artificial noses".

The DURAVENT® UNI KOMBI LINGO PHON tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap as well as a speaking valve are included in the scope of delivery.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Θ	REF	REF
Size	Flange	Tip	AK	IC			XL	XL	BW	XL	
05	8.4	6.6	5.4	4.3	55.0	51.0	-	-	90°	-	21072-05
06	9.4	7.8	6.2	4.9	60.0	55.0	-	-	90°	-	21072-06
07	10.2	8.8	7.0	5.5	65.0	59.0	-	-	90°	-	21072-07
08	11.2	9.8	8.0	6.5	70.0	61.0	105.0	98.0	90°	21272-08	21072-08
09	12.4	11.2	9.0	7.5	75.0	67.0	105.0	98.0	90°	21272-09	21072-09
10	13.4	12.2	10.0	8.5	85.0	75.0	110.0	102.0	90°	21272-10	21072-10
11	14.4	13.2	11.0	9.5	87.0	78.0	-	-	90°	-	21072-11
12	15.4	14.2	12.0	10.2	90.0	82.0	-	-	90°	-	21072-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAVENT® SOLO ATTACHMENT FOR TRACHINAZE® PLUS FILTER



The DURAVENT® SOLO attachment specifically for TRACHINAZE® PLUS FILTERS provides the option of a simple way to combine a TRACHINAZE® Plus filter system with a DURAVENT® Standard inner cannula to ensure the optimal conditioning of respiratory air, depending on the current use and requirements. The filter elements are easy to insert into the adapter and equally easy to remove. What is convenient here is that

the entire system, including the attachment, can be used relatively inconspicuously. The DURAVENT® SOLO attachment for TRACHINAZE® Plus filters thus provides an alternative for all those patients who wish to use the TRACHINAZE® Plus filter system but do not tolerate adhesive dressings very well.

ORDER INFORMATION	PU	REF
DURAVENT® SOLO ATTACHMENT FOR TRACHINAZE® PLUS FILTER	5	11991

DURAVENT® SOLO ADAPTER UNI

To accommodate HMEs and speaking valves with 15 mm connector.



ORDER INFORMATION	PU	REF
DURAVENT® SOLO ADAPTER UNI SIZES 5–12	5	11992-XX

DURAVENT® SOLO ADAPTER KOMBI



The DURAVENT® SOLO combi-adapter is designed to be fixed to the outer cannula. To accommodate HMEs, tracheostoma and speaking valves.

ORDER INFORMATION	PU	REF
DURAVENT® SOLO ADAPTER KOMBI SIZES 5–12	5	11990-XX

DURAPUR®

This line of cannulas was designed for long-term and continuous use and is made of a thermosensitive plastic which develops its optimal product properties at body temperature. The outer tube of the cannula is made of one piece, without adhesives or attachments and therefore offers maximum user safety. A multitude of inner cannulas opens up a wide range of applications for the cannula. In addition to the standard flat profile inner cannulas with 15 mm connector, an inner cannula with 22 mm combi-adapter allows the use of, for example, LARYVOX® HMEs with a

22 mm combination adapter, thus providing a variety of different humidification and breathing resistance parameters.

The speaking valve of the speech cannula is located in the inner cannula and is made of high-quality sterling silver. The bactericidal properties of silver contribute to an increased durability of the valve.

The DURAPUR® tracheostomy tube is also available in XL versions for use in tracheomalacia or deep-seated stenoses as examples.



DURAPUR® UNI



The DURAPUR® UNI tracheostomy tubes are made of an environmentally friendly plastic and are cast in one piece. They are characterised by good wearing properties.

This DURAPUR® tracheostomy tube features an inner cannula with universal attachment. The universal attachment enables the mounting of so-called "artificial noses" (HME) for humidification of the respiratory air.

The DURAPUR® UNI tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap is included in the scope of delivery.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	L1 AB XL	L2 MB XL	Ø BW	REF XL	REF
07	10.6	8.7	7.2	5.6	65.0	60.0	-	-	90°	-	23011-07
08	12.5	10.4	8.2	6.1	70.0	62.0	105.0	95.0	90°	23211-08	23011-08
09	13.6	11.3	9.3	7.1	75.0	68.0	110.0	100.0	90°	23211-09	23011-09
10	14.6	12.4	10.0	8.0	85.0	75.0	115.0	104.0	90°	23211-10	23011-10
11	15.3	13.3	11.1	9.0	87.0	75.0	-	-	90°	-	23011-11
12	16.5	14.3	12.3	10.2	90.0	78.0	-	-	90°	-	23011-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® KOMBI



The DURAPUR® KOMBI tracheostomy tubes are made of an environmentally friendly plastic and are cast in one piece. They are characterised by good wearing properties.

This tracheostomy tube is supplied as standard with an inner cannula with 22 mm combi-adapter.

The DURAPUR® KOMBI tracheostomy tube is designed for long-term use.

The DURAPUR® KOMBI tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap is included in the scope of delivery.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Ø	REF	REF
Size	Flange	Tip	AK	IC			XL	XL	BW	XL	
07	10.6	8.7	7.2	5.6	65.0	60.0	-	-	90°	-	23081-07
08	12.5	10.4	8.2	6.1	70.0	62.0	105.0	95.0	90°	23281-08	23081-08
09	13.6	11.3	9.3	7.1	75.0	68.0	110.0	100.0	90°	23281-09	23081-09
10	14.6	12.4	10.0	8.0	85.0	75.0	115.0	104.0	90°	23281-10	23081-10
11	15.3	13.3	11.1	9.0	87.0	75.0	-	-	90°	-	23081-11
12	16.5	14.3	12.3	10.2	90.0	78.0	-	-	90°	-	23081-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® LINGO PHON



LINGO



PHON

The DURAPUR® LINGO PHON tracheostomy tubes are made of an environmentally friendly plastic and are cast in one piece. They are characterised by good wearing properties.

This version of the DURAPUR® LINGO PHON tracheostomy tubes consists of a sieved outer cannula and an inner cannula with a sterling silver speaking valve which is secured with a bayonet lock. The speaking valve can be disengaged with a brief turn and can then be removed, e.g. for cleaning the cannula.

The DURAPUR® LINGO PHON tracheostomy tube is also available as XL version.

Furthermore, a tube holding strap is included in the scope of delivery.

GR	AD1	AD2	ID1	ID2	L1 AB	L2 MB	L1 AB	L2 MB	Ø	REF	REF
Size	Flange	Tip	AK	IC			XL	XL	BW	XL	
07	10.6	8.7	7.2	5.6	65.0	60.0	-	-	90°	-	23032-07
08	12.5	10.4	8.2	6.1	70.0	62.0	105.0	95.0	90°	23232-08	23032-08
09	13.6	11.3	9.3	7.1	75.0	68.0	110.0	100.0	90°	23232-09	23032-09
10	14.6	12.4	10.0	8.0	85.0	75.0	115.0	104.0	90°	23232-10	23032-10
11	15.3	13.3	11.1	9.0	87.0	75.0	-	-	90°	-	23032-11
12	16.5	14.3	12.3	10.2	90.0	78.0	-	-	90°	-	23032-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® IC

DURAPUR® IC are internal cannulas with integrated spacer for the DURAPUR® tracheostomy tubes.

The inner cannula is not fenestrated, i.e. is closed. The inner cannula must always be used together with a DURAPUR® outer cannula.

The DURAPUR® IC inner cannula is also available as XL version.



GR Size	ID2 IC	L1 AB	L2 MB	L1 AB XL	L2 MBXL	PU	REF XL	REF
07	5.6	65.0	60.0	-	-	1	-	23801-07
08	6.1	70.0	62.0	105.0	95.0	1	23701-08	23801-08
09	7.1	75.0	68.0	110.0	100.0	1	23701-09	23801-09
10	8.0	85.0	75.0	115.0	104.0	1	23701-10	23801-10
11	9.0	87.0	75.0	-	-	1	-	23801-11
12	10.2	90.0	78.0	-	-	1	-	23801-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® ICU

The DURAPUR® ICU inner cannula features a standardised 15 mm connector. The universal attachment enables the mounting of so-called "artificial noses" (HME) for humidification of the respiratory air. The inner cannula is not fenestrated, i.e. is closed. The inner cannula must always be used together with a DURAPUR® outer cannula.



GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23811-07
08	6.1	70.0	62.0	1	23811-08
09	7.1	75.0	68.0	1	23811-09
10	8.0	85.0	75.0	1	23811-10
11	9.0	87.0	75.0	1	23811-11
12	10.2	90.0	78.0	1	23811-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® ICK



KOMBI

DURAPUR® ICK is an inner cannula with 22 mm combination adapter (ICK), e.g. to connect HMEs (22 mm combi-adapter).

The inner cannula is not fenestrated, i.e. is closed. The inner cannula must always be used together with a DURAPUR® outer cannula.

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23881-07
08	6.1	70.0	62.0	1	23881-08
09	7.1	75.0	68.0	1	23881-09
10	8.0	85.0	75.0	1	23881-10
11	9.0	87.0	75.0	1	23881-11
12	10.2	90.0	78.0	1	23881-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® ICFK

The DURAPUR® ICFKs are fenestrated inner cannulas with a 22 mm combi-adapter for DURAPUR® tracheostomy tubes. They allow accommodating speaking valves or HMEs.

The inner cannula must always be used together with a DURAPUR® outer cannula.



KOMBI



LINGO

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23885-07
08	6.1	70.0	62.0	1	23885-08
09	7.1	75.0	68.0	1	23885-09
10	8.0	85.0	75.0	1	23885-10
11	9.0	87.0	75.0	1	23885-11
12	10.2	90.0	78.0	1	23885-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® ICFU



DURAPUR® ICFU is a fenestrated inner cannula for the DURAPUR® tracheostomy tubes with a fixed 15 mm connector (ICFU) for connection to an HME or a speaking valve.

The inner cannula must always be used together with a DURAPUR® outer cannula.



UNI



LINGO

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23816-07
08	6.1	70.0	62.0	1	23816-08
09	7.1	75.0	68.0	1	23816-09
10	8.0	85.0	75.0	1	23816-10
11	9.0	87.0	75.0	1	23816-11
12	10.2	90.0	78.0	1	23816-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® PHON ICF

DURAPUR® phon ICFs are fenestrated inner cannulas with a silver speaking valve, which is attached to the inner cannula via a bayonet lock. The inner cannula must always be used together with a DURAPUR® outer cannula.



LINGO



PHON

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23808-07
08	6.1	70.0	62.0	1	23808-08
09	7.1	75.0	68.0	1	23808-09
10	8.0	85.0	75.0	1	23808-10
11	9.0	87.0	75.0	1	23808-11
12	10.2	90.0	78.0	1	23808-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® PHON ICF O₂



LINGO



PHON

O₂

DURAPUR® phon ICF O₂s are fenestrated inner cannulas with a silver speaking valve and lateral oxygen connector.

The speaking valve is fitted with a rotating bayonet lock and can be removed, e.g. for cleaning.

The inner cannula must always be used together with a DURAPUR® outer cannula.

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23809-07
08	6.1	70.0	62.0	1	23809-08
09	7.1	75.0	68.0	1	23809-09
10	8.0	85.0	75.0	1	23809-10
11	9.0	87.0	75.0	1	23809-11
12	10.2	90.0	78.0	1	23809-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

DURAPUR® ICF

The DURAPUR® ICFs are fenestrated inner cannulas for the DURAPUR® tracheostomy tubes with flat profile (ICF) when no connection for an HME or speaking valve is required.

The inner cannula must always be used together with a DURAPUR® outer cannula.



LINGO

GR Size	ID2 IC	L1 AB	L2 MB	PU	REF
07	5.6	65.0	60.0	1	23807-07
08	6.1	70.0	62.0	1	23807-08
09	7.1	75.0	68.0	1	23807-09
10	8.0	85.0	75.0	1	23807-10
11	9.0	87.0	75.0	1	23807-11
12	10.2	90.0	78.0	1	23807-12

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SILVERVENT®

SILVERVENT® is a tracheostomy tube made of sterling silver and continues to impress by its distinctive features such as exceptionally long durability, its thin wall, which ensures an optimal ratio between outer diameter and free inner lumen, or bactericidal properties. The SILVERVENT® cannulas feature all these properties. The cannulas are offered with one or more inner cannulas, including flat profile inner cannulas, with a 15 mm connector for attaching an "artificial nose" or - in the case of the speech cannula - with a removable speaking valve. The

SILVERVENT® multi-cannula represents a highlight with its two inner cannulas, one with a 15 mm connector, the other fenestrated with a speaking valve and oxygen connection. In addition to the standard versions, we offer custom-made cannulas for the SILVERVENT®, where several parameters are manufactured according to the customer's wishes.

We also offer a service for refurbishing cannulas that have already been used to optimise wearing time.



SILVERVENT® WITH INNER CANNULA



SILVERVENT® tracheostomy tubes are made of silver and are manufactured from a conical seamless tube. Conical means that the diameter of the cannula tube decreases from the neck flange to the cannula tip. This makes inserting the tracheostomy tube considerably easier.

Silver tracheostomy tubes always contain an inner cannula, so that the entire tracheostomy tube does not have to be exchanged if there is a high production of secretion or encrustation. To temporarily increase the air intake, the free inner lumen of the cannula can be increased by removing the inner cannula.

The inner cannula is secured against falling out by a latch fitted to the outer cannula.

The advantages of silver tracheostomy tubes can be outlined as follows: the thin wall of the cannula ensures a large inner lumen, even with small tracheostomy tubes. In addition, silver also offers an antibacterial effect.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	REF
07	10.9	9.0	8.2	7.1	65.0	58.0	90°	10000-07
08	11.6	9.7	8.9	7.7	70.0	60.0	90°	10000-08
09	12.3	10.4	9.6	8.7	75.0	65.0	90°	10000-09
10	13.2	11.0	10.2	9.3	80.0	68.0	90°	10000-10
11	13.8	11.7	10.9	10.0	90.0	77.0	90°	10000-11
12	14.6	12.4	11.6	10.6	90.0	77.0	90°	10000-12
13	15.0	13.0	12.2	11.3	90.0	77.0	90°	10000-13

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | * = specification in degrees | all specifications in mm

SILVERVENT® UNI



SILVERVENT® UNI tracheostomy tubes with 15 mm connector are intended for patients who need to attach a heat and moisture exchanger (HME or "artificial nose") to their cannula.

The tracheostomy tube consists of an outer cannula and an inner cannula, which has an attachment with a 15 mm connector.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	REF
07	10.9	9.0	8.2	7.1	65.0	58.0	90°	10500-07
08	11.6	9.7	8.9	7.7	70.0	60.0	90°	10500-08
09	12.3	10.4	9.6	8.7	75.0	65.0	90°	10500-09
10	13.2	11.0	10.2	9.3	80.0	68.0	90°	10500-10
11	13.8	11.7	10.9	10.0	90.0	77.0	90°	10500-11
12	14.6	12.4	11.6	10.6	90.0	77.0	90°	10500-12
13	15.0	13.0	12.2	11.3	90.0	77.0	90°	10500-13

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

SILVERVENT® LINGO PHON



LINGO



PHON



The SILVERVENT® LINGO-PHONs are tracheostomy tubes made of sterling silver with a sieve in the outer tube and an oval opening in the inner tube, also referred to as "fenestration". The inner cannula features a removable silver speaking valve, which is specially secured with a chain in addition.

A round valve flap closes off the tube during speaking and expiration. On inhaling, the valve is automatically opened by the incoming airflow. The speaking valve can be slipped out of the holder at any time.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	ID2 IC	L1 AB	L2 MB	Θ BW	REF
07	10.9	9.0	8.2	7.1	65.0	58.0	90°	20000-07
08	11.6	9.7	8.9	7.7	70.0	60.0	90°	20000-08
09	12.3	10.4	9.6	8.7	75.0	65.0	90°	20000-09
10	13.2	11.0	10.2	9.3	80.0	68.0	90°	20000-10
11	13.8	11.7	10.9	10.0	90.0	77.0	90°	20000-11
12	14.6	12.4	11.6	10.6	90.0	77.0	90°	20000-12
13	15.0	13.0	12.2	11.3	90.0	77.0	90°	20000-13

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

LARYNGOTEC®

STERILE

As the product name suggests, the LARYNGOTEC® tracheostomy tube has been specifically developed for the special requirements and anatomical conditions of laryngectomised patients. The cannula is made of high-quality, soft, medical-grade silicone. The bending angle is wider and the length slightly shorter than a tracheostomy tube of comparable size. The wearing time of this cannula is up to six months. The transparency of the cannula facilitates

cleaning and contributes to an inconspicuous appearance. The 22 mm combi-adapter of the LARYNGOTEC® Kombi enables the connection of an HME and/or a hands-free speaking valve, for example from the LARYVOX® series. The cannula is offered both unsieved and sieved.

The LARYNGOTEC® cannula can be modified according to customer requirements.



LARYNGOTEC® KOMBI

STERILE



KOMBI

The LARNYGOTEC® KOMBI version of the LARNYGOTEC® tracheostomy tubes features a combination adapter on the neck flange. It features an opening with a diameter of 22 mm and is thus compatible with standard commercial filter and valve systems with a 22 mm combi-adaptor. This allows attaching special filters such as heat and moisture exchangers (HME), so-called "artificial noses". It is possible to provide the tracheostomy tube with additional openings ("sieve") in the cannula tube or to create specialised fenestrations.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
07	10.2	10.2	7.2	44.0	38.0	66°	14920-0744
07	10.2	10.2	7.2	62.0	54.0	92°	14920-0762
08	11.2	11.2	8.2	44.0	38.0	59°	14920-0844
08	11.2	11.2	8.2	62.0	54.0	82°	14920-0862
08	11.2	11.2	8.2	70.0	61.0	92°	14920-0870
09	12.4	12.4	9.4	44.0	36.0	56°	14920-0944
09	12.4	12.4	9.4	62.0	55.0	77°	14920-0962
09	12.4	12.4	9.4	75.0	65.0	93°	14920-0975
10	13.4	13.4	10.4	44.0	36.0	49°	14920-1044
10	13.4	13.4	10.4	62.0	55.0	67°	14920-1062
10	13.4	13.4	10.4	85.0	75.0	90°	14920-1085
11	14.4	14.4	11.4	44.0	36.0	48°	14920-1144
11	14.4	14.4	11.4	62.0	55.0	66°	14920-1162
11	14.4	14.4	11.4	87.0	76.0	91°	14920-1187
12	15.4	15.4	12.4	44.0	36.0	48°	14920-1244
12	15.4	15.4	12.4	62.0	55.0	66°	14920-1262
12	15.4	15.4	12.4	90.0	77.0	93°	14920-1290
13	16.6	16.6	13.0	44.0	37.0	47°	14920-1344
13	16.6	16.6	13.0	62.0	55.0	65°	14920-1362
13	16.6	16.6	13.0	90.0	77.0	92°	14920-1390

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

LARYNGOTEC® KOMBI LINGO

STERILE

KOMBI

LINGO

The LARYNGOTEC® KOMBI LINGO has a combi-adapter on the neck flange. It features an opening with a 22 mm diameter and is thus compatible with commercially available filter and valve systems with a 22 mm combi-adapter. This allows special filters such as heat and moisture exchangers (HME), so-called "artificial noses" to be attached. In addition, there are numerous small holes ("sieve") in the cannula tube to allow the respiratory air required for speaking to flow out. Tracheostoma valves or speaking valves can also be simply and easily used here.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
07	10.2	10.2	7.2	44.0	38.0	66°	14720-0744
07	10.2	10.2	7.2	62.0	54.0	92°	14720-0762
08	11.2	11.2	8.2	44.0	38.0	59°	14720-0844
08	11.2	11.2	8.2	62.0	54.0	82°	14720-0862
08	11.2	11.2	8.2	70.0	61.0	92°	14720-0870
09	12.4	12.4	9.4	44.0	36.0	56°	14720-0944
09	12.4	12.4	9.4	62.0	55.0	77°	14720-0962
09	12.4	12.4	9.4	75.0	65.0	90°	14720-0975
10	13.4	13.4	10.4	44.0	36.0	49°	14720-1044
10	13.4	13.4	10.4	62.0	55.0	66°	14720-1062
10	13.4	13.4	10.4	85.0	75.0	90°	14720-1085
11	14.4	14.4	11.4	44.0	36.0	48°	14720-1144
11	14.4	14.4	11.4	62.0	55.0	66°	14720-1162
11	14.4	14.4	11.4	87.0	76.0	91°	14720-1187
12	15.4	15.4	12.4	44.0	36.0	48°	14720-1244
12	15.4	15.4	12.4	62.0	55.0	66°	14720-1262
12	15.4	15.4	12.4	90.0	77.0	90°	14720-1290

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | ø - CD = CUFF diameter | IC = inner cannula | * = specification in degrees | all specifications in mm

LARYNGOTEC® KOMBI CLIP

STERILE



KOMBI

The LARYNGOTEC® KOMBI CLIP has a combi-adapter on the neck flange. It features an opening with a diameter of 22 mm and is thus compatible with standard commercial filter and valve systems with a 22 mm combi-adapter. This allows attaching special filters such as heat and moisture exchangers (HME), so-called "artificial noses". A feature of the LARYNGOTEC® KOMBI CLIP silicone tube is a beaded ring below the combi-adapter, which enables the use of, for example, fixable base plates so that additional compresses or holding straps are not required. The cannula tip is specially rounded to prevent irritation of the mucous membranes in the trachea.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
07	10.2	10.2	7.2	44.0	38.0	66°	14830-0744
08	11.2	11.2	8.2	44.0	38.0	59°	14830-0844
08	11.2	11.2	8.2	62.0	54.0	82°	14830-0862
09	12.4	12.4	9.4	44.0	36.0	56°	14830-0944
09	12.4	12.4	9.4	62.0	55.0	77°	14830-0962
09	12.4	12.4	9.4	75.0	65.0	93°	14830-0975
10	13.4	13.4	10.4	44.0	36.0	49°	14830-1044
10	13.4	13.4	10.4	62.0	55.0	67°	14830-1062
10	13.4	13.4	10.4	85.0	75.0	90°	14830-1085
11	14.4	14.4	11.4	44.0	36.0	48°	14830-1144
11	14.4	14.4	11.4	62.0	55.0	66°	14830-1162
11	14.4	14.4	11.4	87.0	76.0	91°	14830-1187
12	15.4	15.4	12.4	44.0	36.0	48°	14830-1244
12	15.4	15.4	12.4	62.0	55.0	66°	14830-1262
13	16.6	16.6	13.0	44.0	37.0	47°	14830-1344

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch | Θ-BW = bending angle | Ø-CD = CUFF diameter | IC = inner cannula | ° = specification in degrees | all specifications in mm

LARYNGOTEC® KOMBI CLIP LINGO

STERILE

KOMBI

LINGO

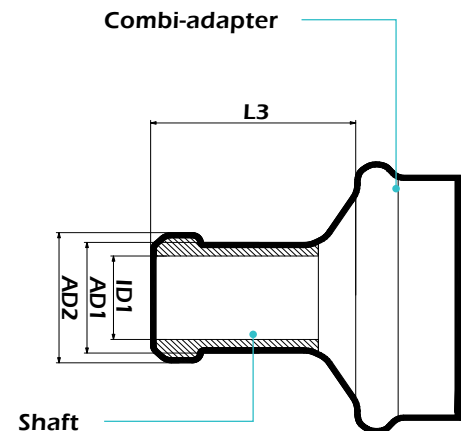
The LARYNGOTEC® KOMBI CLIP LINGO version features a 22 mm combi-adapter and is thus compatible with commercially available filter and valve systems with a 22 mm combi-adapter. This allows attaching special filters such as heat and moisture exchangers (HME), so-called "artificial noses". In addition, there are numerous small holes ("sieve") in the cannula tube to allow the respiratory air required for speaking to flow out. Tracheostoma valves or speaking valves can also be simply and easily used here.

A feature of the LARYNGOTEC® KOMBI CLIP LINGO silicone tube is a beaded ring below the combi-adapter, which enables the use of, for example, fixable base plates so that additional compresses or holding straps are not required. The cannula tip is specially rounded to prevent irritation of the mucous membranes in the trachea.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Ø BW	REF
07	10.2	10.2	7.2	44.0	38.0	66°	14820-0744
07	10.2	10.2	7.2	62.0	54.0	92°	14820-0762
08	11.2	11.2	8.2	44.0	38.0	59°	14820-0844
08	11.2	11.2	8.2	62.0	54.0	82°	14820-0862
09	12.4	12.4	9.4	44.0	36.0	56°	14820-0944
09	12.4	12.4	9.4	62.0	55.0	77°	14820-0962
10	13.4	13.4	10.4	44.0	36.0	49°	14820-1044
10	13.4	13.4	10.4	62.0	55.0	66°	14820-1062
10	13.4	13.4	10.4	85.0	75.0	90°	14820-1085
11	14.4	14.4	11.4	44.0	36.0	48°	14820-1144
11	14.4	14.4	11.4	62.0	55.0	66°	14820-1162
12	15.4	15.4	12.4	44.0	36.0	48°	14820-1244
12	15.4	15.4	12.4	62.0	55.0	66°	14820-1262

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
 Ø - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

LARYNGOTEC® KOMBI STOMA BUTTON FIX



The LARYNGOTEC® KOMBI STOMA BUTTON FIX made of flexible silicone is used to keep the tracheostoma open and is ideally suited for patients who can do without a tracheostomy tube.

The fastening eyelets on the LARYNGOTEC® KOMBI STOMA BUTTON FIX for a tube holder are fitted at a specific angle so that the minimum of pressure is placed on the button, making it comfortable for the patient to wear. At the same time, the position and stability of the button in the tracheostoma are optimised.

The 22 mm combi-adapter allows the attachment of compatible accessories and special filters, such as heat and moisture exchangers (HME), so-called "artificial noses".

GR Size	AD1	AD2	ID1	L3	L3 Short	REF Short	REF
08	11.0	13.0	8.0	22.0	15.0	15960-08	15950-08
09	12.0	14.0	9.0	22.0	15.0	15960-09	15950-09
10	13.0	15.0	10.0	22.0	15.0	15960-10	15950-10
11	14.0	16.0	11.0	22.0	15.0	15960-11	15950-11
12	15.0	17.0	12.0	22.0	15.0	15960-12	15950-12

AD1 = outer diameter shaft | AD2 = outer diameter tip | ID1 = inner diameter shaft | L3 = length across the shaft. All dimensions in mm

LARYNGOTEC® PRO

As the product name suggests, the LARYNGOTEC® Pro tracheostomy tube has been specifically developed for the special requirements and anatomical conditions of laryngectomised patients. The cannula is made of high-quality, soft, medical-grade silicone. The bending angle is wider and the length slightly shorter than a tracheostomy tube of comparable size. The wearing time of this cannula is up to six months. The transparency of the tracheostomy tube facilitates cleaning and contributes to an inconspicuous appearance.

The LARYNGOTEC® PRO KOMBI LINGO version features several small holes ("sieve") on the cannula tube to provide a speech function.

In the LARYNGOTEC® PRO cannula, the transition between the 22 mm combi-adapter and the cannula shaft is designed as a proximal cone. The tracheostoma is thus optimally sealed and the cannula is perfectly fixed with the carrying strap included in the scope of delivery.



LARYNGOTEC® PRO KOMBI



The LARYNGOTEC® PRO KOMBI silicone tube is available in various sizes and lengths. The especially rounded tip of the LARYNGOTEC® PRO tracheostomy tubes protects the trachea against injury. The transition between the 22 mm combi-adapter and the cannula shaft is designed as a proximal cone. There are two lateral fastening eyelets on the neck flange for attaching a tube holder.

The size designation is printed on the cone of the 22mm combi-adapter. This facilitates size determination.

The 22 mm combi-adapter enables attaching various filter systems.

GR Size	AD 1 Flange	AD 2 Tip	ID 1 AK	L1 AB	L2 MB	Θ BW	REF
08	12.0	12.0	9.5	42.0	36.0	54°	14922-0836
08	12.0	12.0	9.5	65.5	55.0	74°	14922-0855
09	13.5	13.5	10.5	42.0	36.0	54°	14922-0936
09	13.5	13.5	10.5	65.5	55.0	74°	14922-0955
10	15.0	15.0	12.0	42.0	36.0	54°	14922-1036
10	15.0	15.0	12.0	65.5	55.0	74°	14922-1055
12	17.0	17.0	13.5	42.0	36.0	54°	14922-1236
12	17.0	17.0	13.5	65.5	55.0	74°	14922-1255

AD 1 = outer diameter neck flange | AD 2 = outer diameter cannula tip | ID 1 = inner diameter cannula tip of outer cannula | ID 2 = inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm

LARYNGOTEC® PRO KOMBI LINGO



KOMBI



LINGO

In the LARYNGOTEC® PRO KOMBI LINGO version there are numerous small holes (“sieve”) in the cannula tube to allow the respiratory air required for speaking to flow out. The 22 mm combi-adapter enables attaching various filter systems, speaking valves can also be inserted easily and conveniently here.

The size designation is printed on the cone of the 22mm combi-adapter. This facilitates size determination.

The LARYNGOTEC® PRO KOMBI LINGO silicone tube is available in various sizes and lengths.

GR Size	AD 1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF
08	12.0	12.0	9.5	42.0	36.0	54°	14722-0836
08	12.0	12.0	9.5	65.5	55.0	74°	14722-0855
09	13.5	13.5	10.5	42.0	36.0	54°	14722-0936
09	13.5	13.5	10.5	65.5	55.0	74°	14722-0955
10	15.0	15.0	12.0	42.0	36.0	54°	14722-1036
10	15.0	15.0	12.0	65.5	55.0	74°	14722-1055
12	17.0	17.0	13.5	42.0	36.0	54°	14722-1236
12	17.0	17.0	13.5	65.5	55.0	74°	14722-1255

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | ø - CD = CUFF diameter | IC = inner cannula | * = specification in degrees | all specifications in mm

LARYNGOTEC® PRO KOMBI CLIP/LINGO CLIP



KOMBI



LINGO

The LARYNGOTEC® PRO KOMBI CLIP silicone tube is a tracheostomy tube made of soft and flexible silicone for laryngectomees and tracheotomees.

The LARYNGOTEC® PRO KOMBI CLIP silicone cannula is characterised by a turquoise ring behind the proximal cone of the cannula, which allows the use of fixable base plates.

The LARYNGOTEC® PRO KOMBI CLIP has a 22 mm combi-adapter on the neck flange. It features an opening with a diameter of 22 mm and is thus compatible with standard commercial filter and valve systems, for example, heat and moisture exchangers (HME), so-called "artificial noses" with a 22 mm connection.

The LARYNGOTEC® PRO KOMBI CLIP silicone tube is available in various sizes and lengths. In addition, custom-made products are possible.

GR Size	AD1 Flange	AD2 Tip	ID1 AK	L1 AB	L2 MB	Θ BW	REF KOMBI CLIP	REF LINGO
08	12.0	12.0	9.5	42.0	36.0	54°	14835-0836	14825-0836
08	12.0	12.0	9.5	65.5	55.0	74°	14835-0855	14825-0855
09	13.5	13.5	10.5	42.0	36.0	54°	14835-0936	14825-0936
09	13.5	13.5	10.5	65.5	55.0	74°	14835-0955	14825-0955
10	15.0	15.0	12.0	42.0	36.0	54°	14835-1036	14825-1036
10	15.0	15.0	12.0	65.5	55.0	74°	14835-1055	14825-1055
12	17.0	17.0	13.5	42.0	36.0	54°	14835-1236	14825-1236
12	17.0	17.0	13.5	65.5	55.0	74°	14835-1255	14825-1255

AD1 = outer diameter neck flange | AD2 = outer diameter cannula tip | ID1 = inner diameter cannula tip of outer cannula | ID2 inner diameter cannula tip of inner cannula | L1-AB = length over outer bend | L2-MB = length over central arch
Θ - BW = bending angle | Ø - CD = CUFF diameter | IC = inner cannula | AK = outer cannula | ° = specification in degrees | all specifications in mm