




# Solutions for all your airway needs



McGRATH™ MAC video laryngoscope, Shiley™ endotracheal tubes, Shiley™ tracheostomy tubes, and airway accessories product catalog

[Explore](#)

**Medtronic**

# Table of contents

Airway access solutions \_\_\_\_\_ **3**

Emergency solutions \_\_\_\_\_ **17**

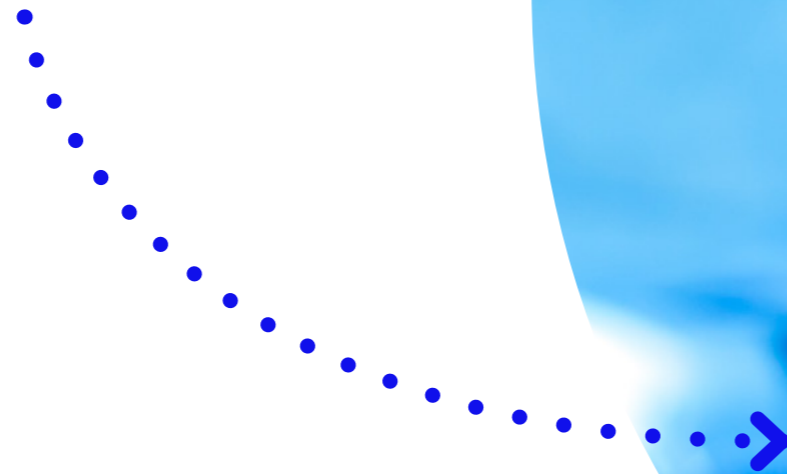
Tracheostomy solutions \_\_\_\_\_ **19**

Airway accessories \_\_\_\_\_ **27**





# Airway access solutions



# Designed for routine use

[Learn more](#)

## McGRATH™ MAC Video Laryngoscope

### One system

The McGRATH™ MAC device is a cost-effective video laryngoscope – so it’s within reach for every intubation. With disposable, sterile blades, and multiple cleaning options, it’s ready when you are.

### Technical specifications

#### McGRATH™ MAC handle

<b>Size</b>	180 x 68 x 110 mm
<b>Weight</b>	180 g
<b>Power</b>	3.6v lithium battery pack (c. 250 minutes) with auto shutoff
<b>Light source</b>	High-intensity LED
<b>Display</b>	2.5 in. LCD color display
<b>Camera</b>	CMOS
<b>Materials</b>	Durable medical-grade thermoplastics composite with structural alloy core
<b>Warranty</b>	36 months

#### McGRATH™ MAC disposable blades

<b>Material</b>	Fog-free, medical-grade optical polymer
<b>Packaging</b>	Packaged sterile for single use

### Ordering information

CFN	Description	Quantity
301-000-000	Handle	1
350-072-000	McGRATH™ MAC blade size 1	50/box
350-017-000	McGRATH™ MAC blade size 2	50/box
350-005-000	McGRATH™ MAC blade size 3	50/box
350-013-000	McGRATH™ MAC blade size 4	50/box
X3-003-000	McGRATH™ MAC X blade size 3	10/box
340-000-000	Battery pack, 250-minute	1
300-000-100	Carry case	1



# Helping reduce the tracheal impact of intubation.<sup>1</sup>

[Learn more](#)

## Shiley™ Oral/Nasal Endotracheal Tube with TaperGuard™ Cuff and Optional Preloaded Stylet

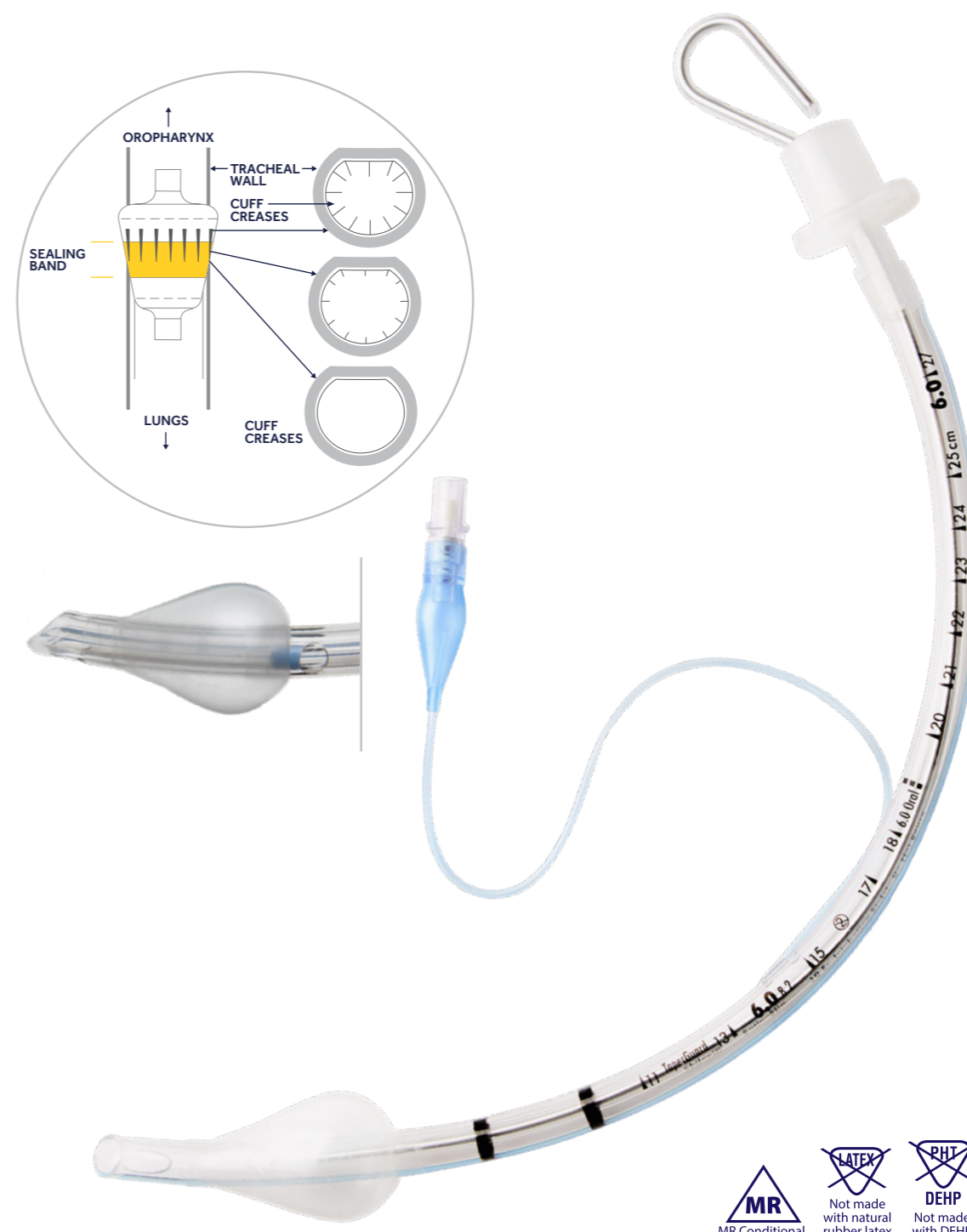
### Features and benefits

- Taper-shaped cuff
- Depth marks above the cuff
- Hooded tip with Murphy eye
- Suitable for oral and nasal intubation
- Tip-to-tip X-ray line
- Available with or without preloaded intubation stylet

### Ordering information

CFN	CFN with stylet	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
18750	18750S	5.0	6.9	240	17.4
18755	18755S	5.5	7.5	270	17.4
18760	18760S	6.0	8.2	280	20.6
18765	18765S	6.5	8.9	290	20.6
18770	18770S	7.0	9.5	300	25.4
18775	18775S	7.5	10.2	310	25.4
18780	18780S	8.0	10.8	320	25.4
18785	18785S	8.5	11.4	330	28.6
18790	18790S	9.0	12.1	335	28.6
18795	18795S	9.5	12.8	335	28.6
18710	18710S	10.0	13.5	335	28.6

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



1. Lichtenthal PR, Borg UB. Endotracheal cuff pressure: role of tracheal size and cuff volume. *Crit Care*. 2011;15:147.



# Established. Efficient.

[Learn more](#)

## Shiley™ Hi-Lo Oral/Nasal Endotracheal Tube, Intermediate, Cuffed

### Features and benefits

- High-volume, low-pressure cuff
- Thin-walled, flexible cuff
- Depth marks above the cuff
- Tip-to-tip X-ray line
- Hooded tip with Murphy eye
- Suitable for both oral and nasal intubation

### Ordering information

	CFN	Hi-Lo, hooded	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
Pediatric	86442	-	3.0	4.3	160	7.9
	86443	-	3.5	4.9	180	9.5
	86444	-	4.0	5.6	200	9.5
	86445	-	4.5	6.2	220	14.3
	86446	86107	5.0	6.9	240	20.2
	86447	86108	5.5	7.5	270	22.2
	86448	86109	6.0	8.2	280	23.3
	86449	86110	6.5	8.9	290	25.4
	86450	86111	7.0	9.5	300	28.2
	86451	86112	7.5	10.2	310	30.2
	86452	86113	8.0	10.8	320	31.3
	86453	86114	8.5	11.4	330	33.3
	86454	86115	9.0	12.1	335	34.4
	86455	-	9.5	12.8	335	34.4
	86456	86117	10.0	13.5	335	34.4

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



# Cuffless for your smaller patients

[Learn more](#)

## Shiley™ Oral/Nasal Endotracheal Tube, Cuffless

### Features and benefits

- Distal tip reference marks and depth marks every centimeter to assist placement
- Is suitable for both oral and nasal intubation
- Hooded tip with Murphy eye
- Full Magill curve

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	Length (mm)
86232	2.0	2.9	130
86233	2.5	3.6	140
86234	3.0	4.2	160
86235	3.5	4.9	180
86236	4.0	5.5	200
86237	4.5	6.2	220
86238	5.0	6.8	240
86239	5.5	7.5	270
86240	6.0	8.2	280
86241	6.5	8.8	290
86242	7.0	9.5	300

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



# Integrated evac technology

## Shiley™ Evac Oral Endotracheal Tube with TaperGuard™ Cuff

[Learn more](#)

### Features and benefits

- Incorporates evac technology for subglottic secretion drainage, which can potentially reduce the incidence of ventilator-associated pneumonia.<sup>1</sup>
- Taper-shaped cuff
- Hooded tip with Murphy eye
- Tip-to-tip X-ray line
- Available with or without pre-loaded intubation stylet

### Ordering information

CFN	CFN with stylet	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
18860	18860S	6.0	9.0	283	20.6
18865	18865S	6.5	9.8	292	20.6
18870	18870S	7.0	10.4	298	25.4
18875	18875S	7.5	11.2	313	25.4
18880	18880S	8.0	11.8	322	25.4
18885	18885S	8.5	12.6	322	28.6
18890	18890S	9.0	13.1	337	28.6

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



1. Muscedere J, Rewa O, McKechnie K, Jiang X, Laporta D, Heyland DK. Subglottic secretion drainage for the prevention of ventilator-associated pneumonia: a systematic review and meta-analysis. *Crit Care Med.* 2011;39(8):1985-1991.





# Polyurethane, taper-shaped cuff

## Shiley™ Oral/Nasal Endotracheal Tube with Seal Guard Cuff

### Features and benefits

- Taper-shaped cuff made of strong polyurethane material
- Suitable for oral and nasal intubation
- Murphy eye
- Tip-to-tip X-ray line

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
109860	6.0	8.2	317	22
109865	6.5	8.8	327	22
109870	7.0	9.6	339	26
109875	7.5	10.2	350	27
109880	8.0	10.9	360	28
109885	8.5	11.5	370	29
109890	9.0	12.1	375	31
109810	10.0	13.5	375	33

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



# Polyurethane, taper-shaped cuff and integrated evac technology

[Learn more](#)

## Shiley™ Evac Oral Endotracheal Tube with Seal Guard Cuff

### Features and benefits

- Taper-shaped cuff made of strong polyurethane material
- Endotracheal tube with subglottic secretion drainage lumen and suction port
- May reduce the risk of respiratory infection during long-term ventilation by draining subglottic region<sup>1</sup>
- Tip-to-tip X-ray line
- Hooded tip with Murphy eye

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
110860	6.0	9.0	283	22
110865	6.5	9.8	292	22
110870	7.0	10.4	302	24
110875	7.5	11.2	313	26
110880	8.0	11.8	322	27
110885	8.5	12.6	332	29
110890	9.0	13.1	337	30

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



1. Muscedere J, Rewa O, McKechnie K, Jiang X, Laporta D, Heyland DK. Subglottic secretion drainage for the prevention of ventilator-associated pneumonia: a systematic review and meta-analysis. *Crit Care Med.* 2011;39(8):1985-1991.



# Metal-reinforced spiral to prevent kinking

[Learn more](#)

## Shiley™ Oral/Nasal Reinforced Endotracheal Tube, Cuffed

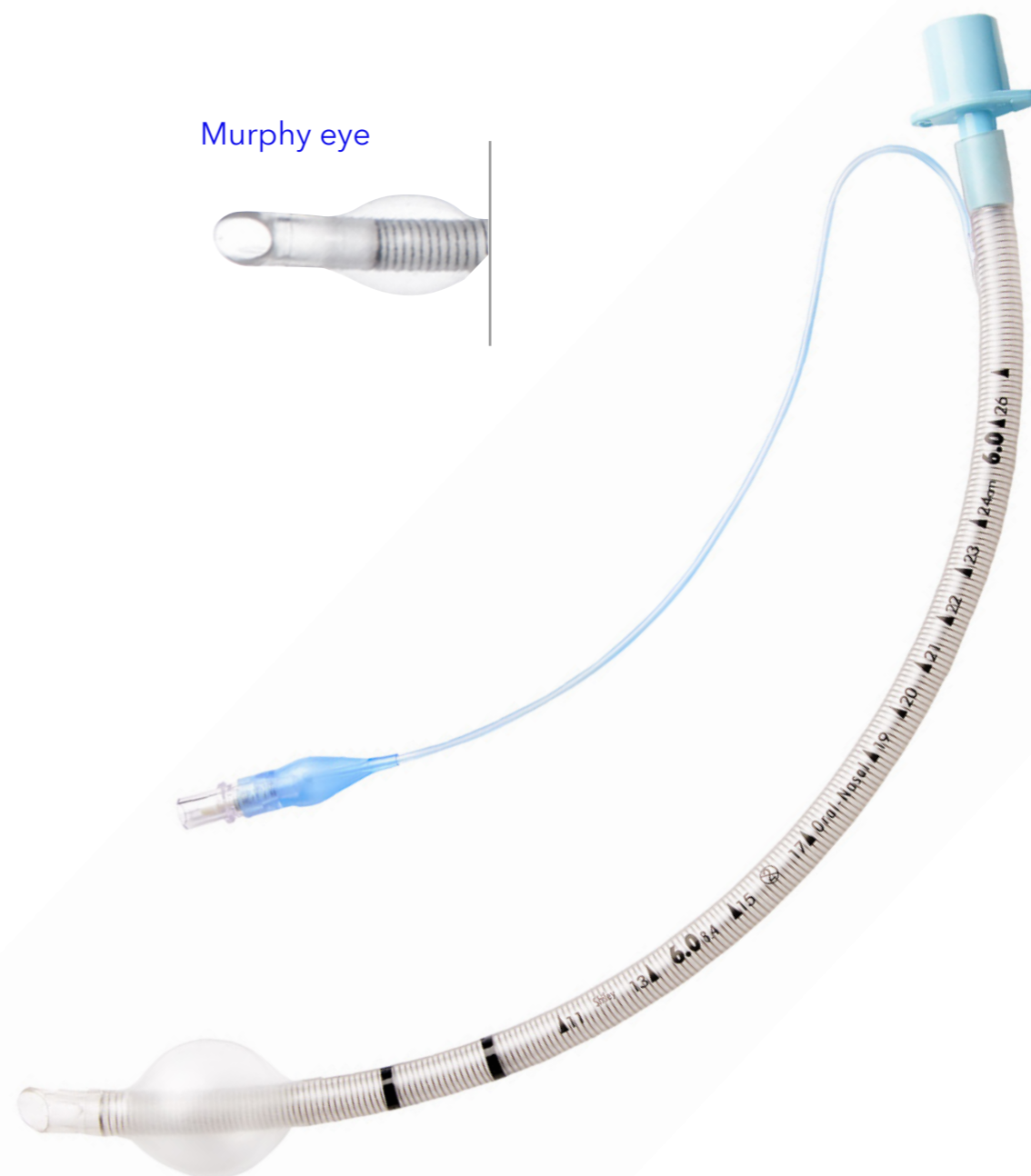
### Features and benefits

- Metal-reinforced spiral, uniformly and securely encapsulated in the wall of the tube, to help prevent kinking compared to traditional endotracheal tubes
- High-volume, low-pressure cuff
- Two depth marks above the cuff
- Reinforcement to support X-ray control and verification of tube position
- 15 mm connector bonded to the endotracheal tube
- Suitable for oral and nasal intubation
- Murphy eye

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
86548	6.0	8.2	320	21
86549	6.5	8.8	330	22
86550	7.0	9.6	340	24
86551	7.5	10.2	350	26
86552	8.0	10.8	360	28
86553	8.5	11.5	365	29
86554	9.0	12.1	370	31
86555	9.5	12.8	370	32

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.





# Flexible and kink resistant

## Shiley™ Oral/Nasal Reinforced Endotracheal Tube, Cuffless

### Features and benefits

- Highly flexible silicone tube material and reinforcement within the tube wall to help prevent kinking compared to traditional endotracheal tubes<sup>1</sup>
- Marking on both sides of the tip
- Reinforcement to support X-ray control and verification of the tube position
- Fully inserted 15 mm connector
- Intubation stylet may be used for easier tube placement
- Suitable for oral and nasal intubation
- A bite block or guedel airway may be considered when using reinforced endotracheal tubes

### Ordering information

	CFN	I.D. (mm)	O.D. (mm)	Length (mm)
Pediatric	86541	2.5	4.0	159
	86542	3.0	4.7	179
	86543	3.5	5.3	202
	86544	4.0	6.0	222
	86545	4.5	6.7	242
	86546	5.0	7.3	262
	86547	5.5	8.0	294

Carton quantity: 10  
All tubes are delivered sterile packed, for single use only.



1. Aqil M, Al-Saeed A. A simple solution to unexpected kinking of endotracheal tube. *Saudi J Anaesth.* 2013;7(3):344-346.

# Preformed shape to remove circuit from surgical field

[Learn more](#)

## Shiley™ Oral and Nasal RAE Endotracheal Tube with TaperGuard™ Cuff

### Features and benefits

- Preformed tube to help reduce the risk of kinking<sup>1</sup>
- Improved access to the operative field, as the connections lie outside this area<sup>1</sup>
- High-volume, low-pressure TaperGuard™ cuff
- Specially molded hooded tip with Murphy Eye
- Tip-to-tip X-ray line

### Ordering information

	CFN	I.D. (mm)	O.D. (mm)	Length (mm)	Cuff Ø (mm)
<b>Oral</b>					
<b>Pediatric</b>	86209*	4.0	5.5	178	9.5
	86199*	4.5	6.1	198	14.3
	76251	5.0	6.8	212	17.4
	76255	5.5	7.5	222	17.4
	76260	6.0	8.1	247	20.6
	76265	6.5	8.8	257	20.6
	76270	7.0	9.4	276	25.4
	76275	7.5	10.1	286	25.4
	76280	8.0	10.7	306	25.4
	76285	8.5	11.2	316	28.6
76290	9.0	12	335	28.6	
<b>Nasal</b>					
	96360	6.0	8.1	346	20.6
	96365	6.5	8.8	356	20.6
	96370	7.0	9.4	366	25.4
	96375	7.5	10.1	376	25.4
	96380	8.0	10.7	386	25.4



1. Nagelhout JJ, Plaus KL. Anesthesia for ear, nose, throat, maxillofacial surgery. In: *Nurse Anesthesia*. St. Louis: Elsevier; 2005.

\* Hi-Lo cuff  
Carton quantity: 10, All tubes are delivered sterile packed, for single use only.

# Spiral bound stainless steel

[Learn more](#)

## Shiley™ Laser Oral Endotracheal Tube, Dual-Cuffed



### Features and benefits

- Laser-resistant, nonflammable, flexible stainless steel tube for ventilation during CO<sub>2</sub> and KTP laser surgery of the laryngeal/tracheal area
- Accidental contact between tube shaft and laser beam results in reflection of a defocused beam<sup>1</sup>
- Airtight steel spiral design
- 15 mm connector bonded to the endotracheal tube
- Dual cuffs of extra large diameter with individual inflation lines
- Pilot balloons with self-sealing valves marked "proximal" and "distal"
- Murphy eye
- Distal tip made from soft plastic PVC material
- Both cuffs may be filled with isotonic saline to help facilitate protection during laser surgery

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	MAX O.D. (mm)	Length (mm)
86397	4.5	7.0	8.5	341
86394	5.0	7.5	9.0	341
86395	5.5	7.9	9.4	341
86398	6.0	8.5	10.1	341

Carton quantity: 5  
All tubes are delivered sterile packed, for single use only.

## Shiley™ Laser Endotracheal Tube, Cuffless



### Features and benefits

- Laser-resistant, nonflammable, flexible stainless steel tube for ventilation during CO<sub>2</sub> and KTP laser surgery of the laryngeal/tracheal area
- Accidental contact between tube shaft and laser beam results in reflection of a defocused beam<sup>1</sup>
- Airtight steel spiral design
- 15 mm connector bonded to the endotracheal tube
- Smooth polished metal tip

### Ordering information

CFN	I.D. (mm)	O.D. (mm)	MAX O.D. (mm)	Length (mm)
86400	3.0	5.2	5.9	238
86401	3.5	5.7	6.5	238
86402	4.0	6.1	6.9	238

Carton quantity: 5  
All tubes are delivered sterile packed, for single use only.

1. Lai HC, Juang SE, Lui TJ, Ho WM. Fires of endotracheal tubes of three different materials during carbon dioxide laser surgery. *Acta Anesthesiology Sin.* 2002; 40(1): 47-51.



# For left side single lung isolation

## Shiley™ Endobronchial Tube, Left, with Polyurethane Cuff

[Learn more](#)

### Features and benefits

- For left-sided endobronchial intubation when differential or one-lung ventilation is indicated during thoracic surgery or intensive care
- Polyurethane endotracheal cuff for a much higher puncture strength than conventional materials<sup>1</sup>
- Blue bronchial cuff may assist in identifying the distal tip when verifying correct placement by a fiber-optic bronchoscope
- Slightly curved bronchial tube tip to help improve placement in left main bronchus
- X-ray opaque markers at distal tip, above bronchial cuff, and at tracheal opening to aid location and verification of tube position
- Also available with X-ray opaque carinal hook for precise location of the endobronchial tube within the carina
- Accessory pack contains two swivel connectors, two endobronchial suction catheters, and one "Y" connector.

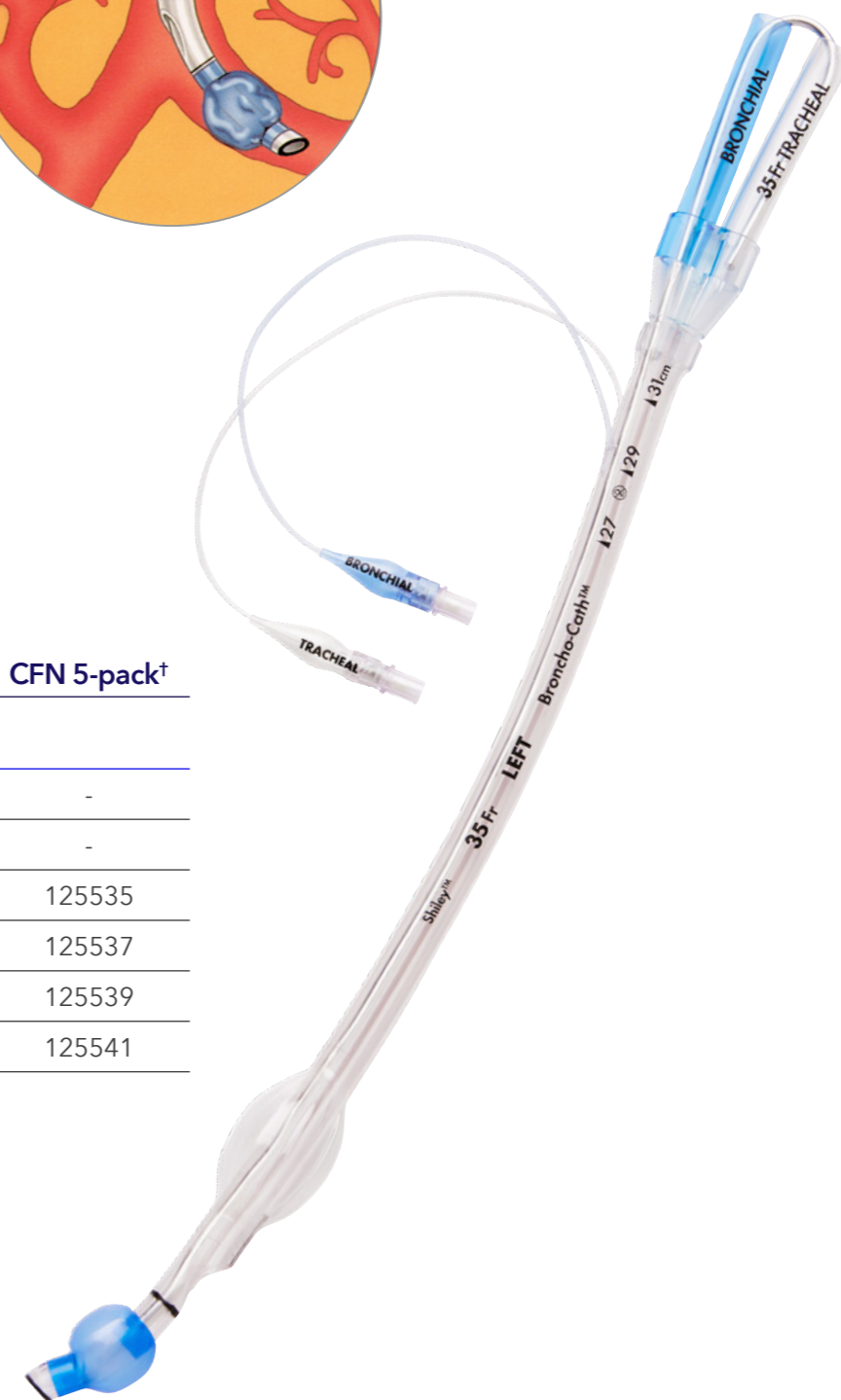
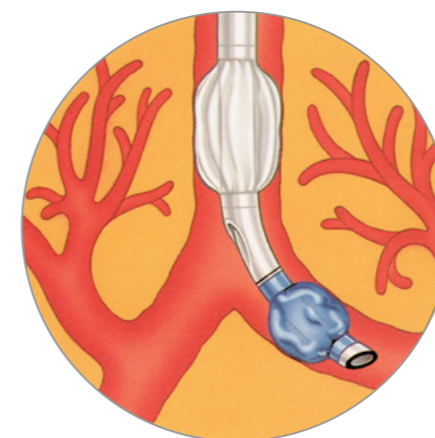
### Ordering information

CFN standard	CFN with CPAP system	CFN with carinal hook	I.D. (mm)*	O.D. (mm)	O.D. (Fr)	Length (mm)	CFN 5-pack†
<b>Left</b>							
125028	125128	-	3.1	9.3	28	420	-
125032	125132	-	3.4	10.7	32	420	-
125035	125135	125235	4.8	11.7	35	420	125535
125037	125137	125237	5.1	12.3	37	420	125537
125039	125139	125239	5.3	13.0	39	420	125539
125041	125141	125241	5.4	13.7	41	420	125541

Carton quantity: 1  
All tubes are delivered sterile packed, for single use only.

\* Applicable limit when using a fiber-optic bronchoscope

†Carton quantity 5, without accessories.



1. Based on internal benchtop testing

# For right side single lung isolation

## Shiley™ Endobronchial Tube, Right, with Polyurethane Cuff

[Learn more](#)

### Features and benefits

- For right-sided endobronchial intubation when differential or one-lung ventilation is indicated during thoracic surgery or intensive care
- The polyurethane endotracheal cuff provides for a higher puncture strength than conventional PVC materials<sup>1</sup>
- Blue color-coded bronchial cuff, bronchial proximal lumen, and bronchial pilot balloon for easy identification
- X-ray opaque markers at the distal tip, around the side eye, above the bronchial cuff, and at the tracheal opening aid location and verification of the tube position
- The accessory pack contains two swivel connectors, two endobronchial suction catheters, and one "Y" connector

### Ordering information

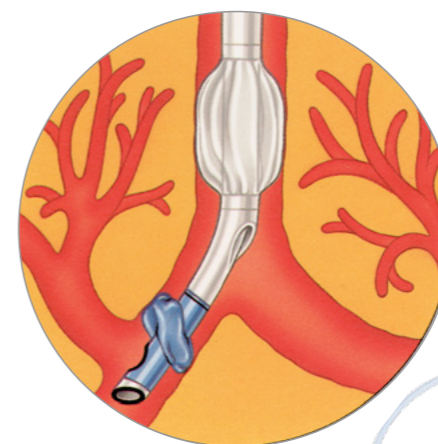
CFN standard	CFN with CPAP system	I.D. (mm)*	O.D. (mm)	O.D. (Fr)	Length (mm)	CFN 5-pack†
Right						
126035	126135	4.8	11.7	35	420	266535
126037	126137	5.1	12.3	37	420	266537
126039	126139	5.3	13.0	39	420	266539
126041	126141	5.4	13.7	41	420	266541

Carton quantity: 1

All tubes are delivered sterile packed, for single use only.

\* Applicable limit when using a fiber-optic bronchoscope

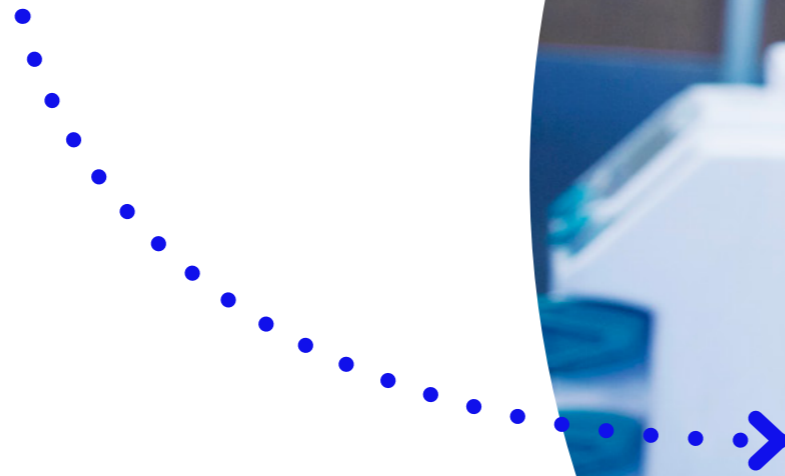
†Carton quantity 5, without accessories.



1. Based on internal benchtop testing



# Emergency solutions





# Emergency airway access

[Learn more](#)

## Shiley™ Esophageal Tracheal Airway, Double Lumen, Cuffed

When establishing a difficult airway, time and accuracy are critical. Unlike traditional endotracheal tubes, the Shiley™ esophageal tracheal airway, double lumen is designed to establish a nonsurgical patent airway when placed in either the trachea or the esophagus.

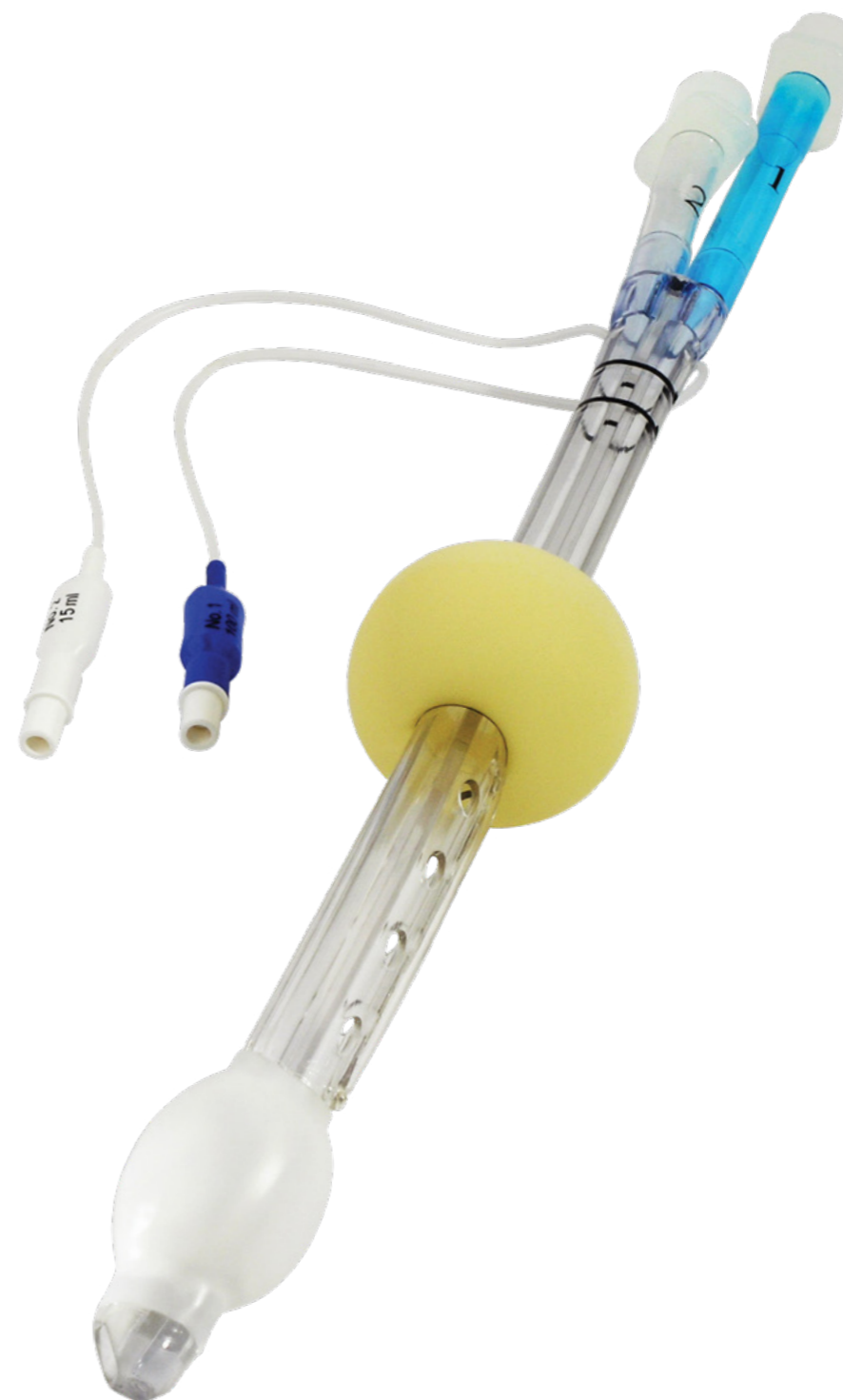
### Features and benefits

- Special double lumen may establish an effective airway through either esophagus or trachea
- Pharyngeal balloon inflates and is designed to hold device firmly in place and help prevent the escape of gas through nose or mouth
- Full-length lumen may enable suctioning of gastric contents with no interruption of patient ventilation if esophageal tracheal airway is placed in esophagus
- Esophageal cuff inflates to seal the esophagus to help prevent gas from entering the stomach and gastric contents from being aspirated
- Appropriate for pre-hospital, surgical, and emergency use
- Tip-to-tip X-ray line
- Esophageal/tracheal double-lumen airway fits an array of patients
  - Size 37 for patients 4' (122 cm) to 5' 6" (183 cm) tall
  - Size 41 for patients 5' (152 cm) tall and above

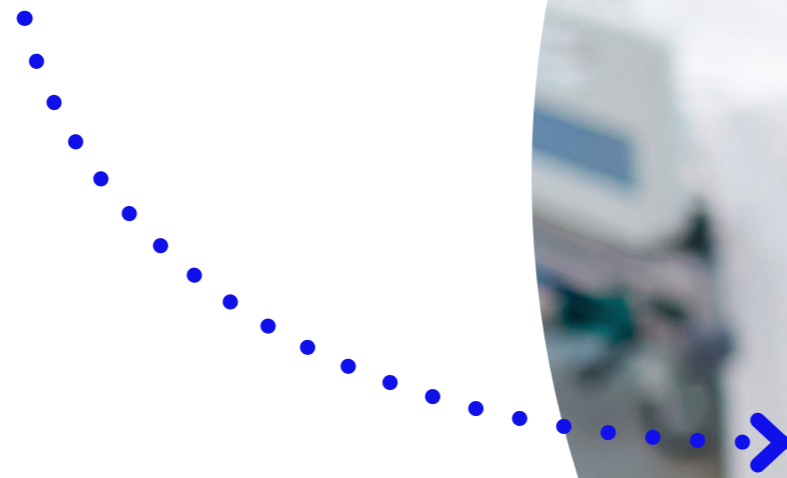
### Ordering information

CFN	Description	Size (Fr)
5-18537	Esophageal tracheal airway standard trays	37
5-18541	Esophageal tracheal airway standard trays	41
5-18237	Esophageal tracheal airway singles	37
5-18241	Esophageal tracheal airway singles	41
5-18437	Esophageal tracheal airway roll-ups	37
5-18441	Esophageal tracheal airway roll-ups	41
5-18141	Esophageal tracheal airway trainer – demonstration airway	41

Carton quantity: 4



# Tracheostomy solutions



# Designed for the distinct anatomy of neonate and pediatric airways

[Learn more](#)

## Shiley™ Flexible Neonatal and Pediatric Tracheostomy Tubes

### Features and benefits

- Distinct flange designed specifically for neonatal or pediatric patients
- Transparent, soft flange, supports patient comfort and visualization of the skin below
- Raised outer flange eyelets for easier access when inserting the tracheostomy tube holder/tape
- Comfort recess on the bottom of the connector to help reduce stoma irritation
- Available in cuffless and cuffed configurations. The low profile (low volume), low pressure TaperGuard™ cuff:
  - Reduces fluid leaks by 94.8% at intracuff pressures of 20 cm H<sub>2</sub>O<sup>†</sup>
  - Significantly improves management of airway leaks at pressures below 25 cm H<sub>2</sub>O<sup>†</sup>
  - Reduces removal force by 58.3%, reducing the potential for stoma damage during removal<sup>††</sup>
  - Integrated 15 mm connector

### Ordering information

Neonatal					
CFN Cuffless	CFN with TaperGuard™ cuff	I.D. (mm)	O.D. (mm)	Length	Cuff resting diameter <sup>†</sup>
2.5NEF	2.5NCF	2.5	4.2	28	8.0
3.0NEF	3.0NCF	3.0	4.8	30	9.1
3.5NEF	3.5NCF	3.5	5.4	32	10.1
4.0NEF	4.0NCF	4.0	6.0	34	11.5
4.5NEF	4.5NCF	4.5	6.7	36	12.3
Pediatric					
2.5PEF	2.5PCF	2.5	4.2	38	8.0
3.0PEF	3.0PCF	3.0	4.8	39	9.1
3.5PEF	3.5PCF	3.5	5.4	40	10.1
4.0PEF	4.0PCF	4.0	6.0	41	11.5
4.5PEF	4.5PCF	4.5	6.7	42	12.3
5.0PEF	5.0PCF	5.0	7.3	44	14.2
5.5PEF	5.5PCF	5.5	7.9	46	15.6
Extra-long pediatric					
5.0PELF	5.0PLCF	5.0	7.3	50	14.2
5.5PELF	5.5PLCF	5.5	7.9	52	15.6
6.0PELF	6.0PLCF	6.0	8.5	54	17.2
6.5PELF	6.5PLCF	6.5	9.0	56	19.1

Carton quantity: 1  
All tubes are delivered sterile packed, for single use only.



<sup>†</sup>Compared to earlier generation Shiley™ tracheostomy tubes.

<sup>††</sup>Applicable to cuffed product only.

1. Based on internal testing. Comparative ventilator air leak test performed using the Shiley™ 4.0PCF and 6.5PLCF pediatric tracheostomy tubes with taper-shaped cuff vs. predicate Shiley™ 4.0PDC and 6.5PLC pediatric tracheostomy tubes with barrel-shaped cuff.





# Same trusted brand, clinician-inspired advanced design

[Learn more](#)

## Shiley™ Flexible Adult Tracheostomy Tubes

### Features and benefits

- Available in cuffless and cuffed configurations. The TaperGuard™ cuff:
  - Reduces fluid leakage by 99%<sup>1†</sup>
  - Exerts 18.6% less lateral wall pressure on the trachea<sup>2†</sup>
- New beveled tip design:
  - Reduces insertion force by 39% with a thinner, less bulky cuff<sup>3†</sup>
  - Eases percutaneous insertion
- Transparent, soft, flexible flange:
  - Conforms to patient's anatomy
  - Promotes airflow around the stoma
  - Reduces skin contact with a recessed flange
- Mechanical ventilation and faster weaning:
  - Titrates ventilator air leaks with 65% greater ability<sup>4†</sup>
  - Increases airflow around the outer cannula by an average of 242% when the cuff is deflated<sup>3†</sup>
- Smooth, continuous curvature enables proper positioning
- 15 mm connector is integrated into the outer cannula to enable ventilation with or without an inner cannula



### Ordering information

Size		Disposable inner cannula			Reusable inner cannula		I.D. (mm)	O.D. (mm)	Inner Cannula I.D. (mm)	Length	Cuff resting diameter <sup>††</sup>
Jackson	ISO	CFN cuffless	CFN with TaperGuard™ cuff	CFN inner cannula	CFN cuffless	CFN with TaperGuard™ cuff					
4	6.5	4UN65H	4CN65H	4IC65	4UN65R	4CN65R	6.5	9.4	5.5	62	20.6
5	7.0	5UN70H	5CN70H	5IC70	5UN70R	5CN70R	7.0	10.1	6.0	68	23.0
6	7.5	6UN75H	6CN75H	6IC75	6UN75R	6CN75R	7.5	10.8	6.5	74	25.4
7	8.0	7UN80H	7CN80H	7IC80	7UN80R	7CN80R	8.0	11.4	7.0	77	25.4
8	8.5	8UN85H	8CN85H	8IC85	8UN85R	8CN85R	8.5	12.2	7.5	79	26.6
9	9.0	9UN90H	9CN90H	9IC90	9UN90R	9CN90R	9.0	12.7	8.0	79	27.6
10	10.0	10UN10H	10CN10H	10IC10	10UN10R	10CN10R	10.0	13.8	9.0	79	28.6

Carton quantity: 1

All tubes are delivered sterile packed, for single use only.

†Compared to earlier generation Shiley™ tracheostomy tubes.

††Applicable to cuffed product only.

1. Internal benchtop testing results. Results reflect testing the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff, disposable inner cannula versus the Shiley™ DCT tracheostomy tube with disposable inner cannula at the same cuff pressure of 25 cm H<sub>2</sub>O. 2. Internal testing results. Results reflect measurements taken for size 7.5 Shiley™ Flexible adult tracheostomy tube compared to the Shiley™ 6DCT tracheostomy tube at the same cuff pressure of 20 cm H<sub>2</sub>O. 3. Based on internal testing comparing the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff to the Shiley™ DCT tracheostomy tube cuffed. 4. Internal benchtop testing results. Results reflect the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff, disposable inner cannula tubes ability to titrate / control ventilator air leak in comparison to the Shiley™ tracheostomy tube cuffed with disposable inner cannula (DCT).





# Integrated evac technology

[Learn more](#)

## Shiley™ Flexible Evac Tracheostomy Tubes with TaperGuard™ Cuff Technology

### Features and benefits

- Integrated evac lumen enables removal of secretions from subglottic spaces
- Removes aspirates an average of four times more efficiently than the legacy Hi-Lo evac product
- May help protect the lungs from VAP or other HAI by allowing subglottic secretion drainage from above the cuff.<sup>1</sup>
- The suction portal is located close to the cuff, allowing for effective secretion removal.
- The evac lumen cap has the same design and color-coding as other Shiley™ secretion drainage management products, indicating secretion removal capability.
- Designed with a slightly larger outer diameter† to support the evac lumen for secretion removal
- Available in single cannula, reusable inner cannula, and disposable inner cannula configurations



### Ordering information

CFN single cannula	CFN reusable inner cannula	Trach tube		Inner cannula		Inner cannula I.D.	Length
		CFN disposable inner cannula	CFN disposable inner cannula*	I.D.	O.D.		
4CN65ES	4CN65ER	4CN65ED	4IC65	6.5 mm	9.4 mm	5.5 mm	62 mm
5CN70ES	5CN70ER	5CN70ED	5IC70	7.0 mm	10.1 mm	6.0 mm	68 mm
6CN75ES	6CN75ER	6CN75ED	6IC75	7.5 mm	10.8 mm	6.5 mm	74 mm
7CN80ES	7CN80ER	7CN80ED	7IC80	8.0 mm	11.4 mm	7.0 mm	77 mm
8CN85ES	8CN85ER	8CN85ED	8IC85	8.5 mm	12.2 mm	7.5 mm	79 mm
9CN90ES	9CN90ER	9CN90ED	9IC90	9.0 mm	12.7 mm	8.0 mm	79 mm
10CN10ES	10CN10ER	10CN10ED	10IC10	10.0mm	13.8 mm	9.0 mm	79 mm

Carton quantity: 1  
All tubes are delivered sterile packed, for single use only.

\*Compatible only with the disposable inner cannula version.  
†Compared to standard Shiley™ flexible adult tracheostomy tube

1. Internal benchtop test #10122514. Results reflect the Shiley™ flexible adult tracheostomy tube with TaperGuard™ cuff, disposable inner cannula tubes' ability to titrate/control ventilator air leak in comparison to the Shiley™ tracheostomy tube cuffed with disposable inner cannula (DCT).



# Extended length for patients who need it

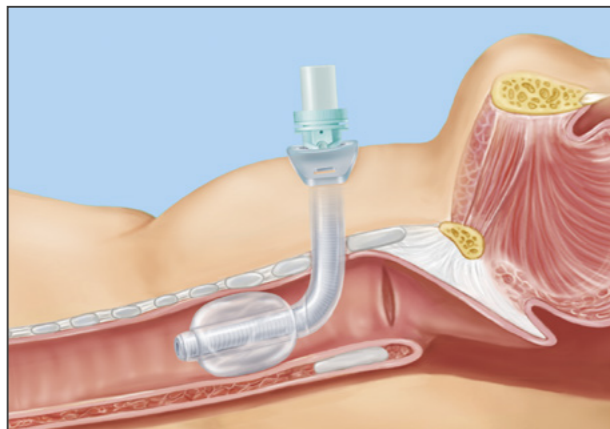
[Learn more](#)

## Shiley™ XLT Tracheostomy Tubes

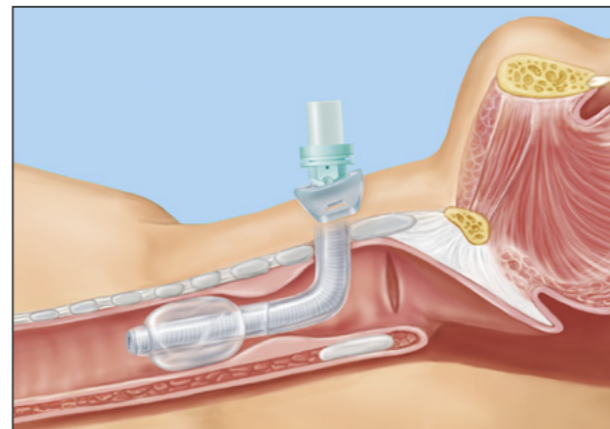
Patients with a greater distance between skin and tracheal wall – as well as those with long tracheal anatomies – may require extra-long tracheostomy tubes in order to achieve a proper fit. With extra length in the proximal or distal portions, the Shiley™ XLT tube accommodates different anatomical challenges.

### Features and benefits

- Choice of distal or proximal extensions:
  - Extended-length, cuffless tracheostomy tube with extra length in proximal portion
  - Extended-length, cuffed tracheostomy tube with extra length in proximal portion
  - Extended-length, cuffless tracheostomy tube with extra length in distal portion
  - Extended-length, cuffed tracheostomy tube with extra length in distal portion
- Extended-length, disposable inner cannula with integral 15 mm twist-lock connector
- Smooth, rounded-tip obturator facilitates insertion
- Flexible inner and outer cannula and high-volume, low-pressure cuff



Shiley™ XLT tube with proximal extension (XLTCP or XLTUP)



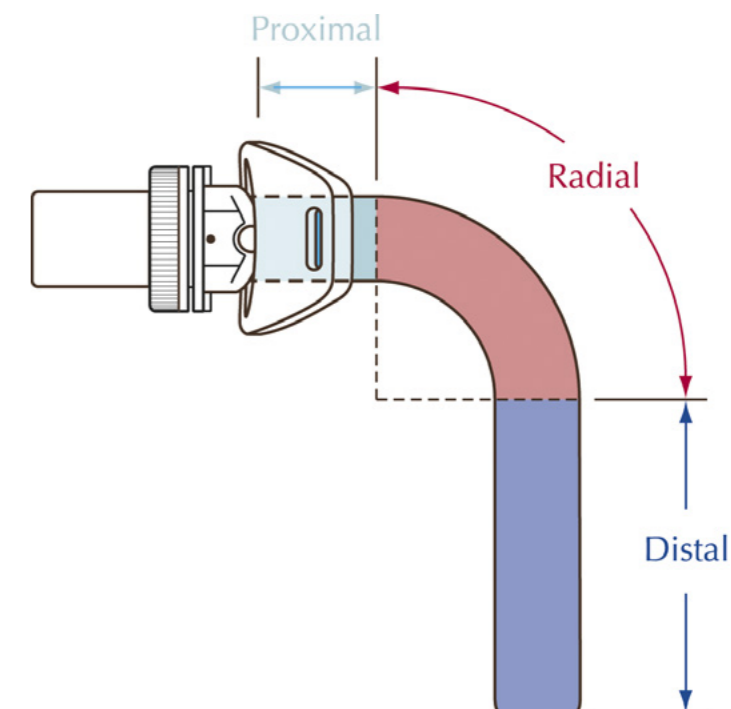
Shiley™ XLT tube with distal extension (XLTCDD or XLTUD)



# Shiley™ XLT Tracheostomy Tubes

## Ordering information

CFN	I.D. (mm)	O.D. (mm)	Total length (mm)	Proximal length (mm)	Radial length (mm)	Distal length (mm)	Cuff Ø (mm)	Qty.
<b>Shiley™ XLT cuffed tracheostomy tube – Extended distal</b>								
50XLTC	5.0	9.6	90	5	37	48	29	1
60XLTC	6.0	11.0	95	8	38	49	31	1
70XLTC	7.0	12.3	100	12	39	49	35	1
80XLTC	8.0	13.3	105	15	40	50	35	1
<b>Shiley™ XLT uncuffed tracheostomy tube – Extended distal</b>								
50XLTD	5.0	9.6	90	5	37	48		1
60XLTD	6.0	11.0	95	8	38	49		1
70XLTD	7.0	12.3	100	12	39	49		1
80XLTD	8.0	13.3	105	15	40	50		1
<b>Shiley™ XLT cuffed tracheostomy tube – Extended proximal</b>								
50XLTCP	5.0	9.6	90	20	37	33	29	1
60XLTCP	6.0	11.0	95	23	38	34	31	1
70XLTCP	7.0	12.3	100	27	39	34	35	1
80XLTCP	8.0	13.3	105	30	40	35	35	1
<b>Shiley™ XLT uncuffed tracheostomy tube – Extended proximal</b>								
50XLTUP	5.0	9.6	90	20	37	33		1
60XLTUP	6.0	11.0	95	23	38	34		1
70XLTUP	7.0	12.3	100	27	39	34		1
80XLTUP	8.0	13.3	105	30	40	35		1
<b>Shiley™ XLT replacement inner cannula</b>								
50XLTIN	5.0							10
60XLTIN	6.0							10
70XLTIN	7.0							10
80XLTIN	8.0							10



### Measurements

This diagram illustrates how the proximal, radial, and distal measurements are determined for proper sizing.

Carton quantity: 1  
All tubes are delivered sterile packed, for single use only.

# For breathing through the upper airway

[Learn more](#)

## Shiley™ Adult Fenestrated Tracheostomy Tubes

### Features and benefits

- Allows for increased airflow and helps permit patients to breathe through the upper airway
- May support the ability to cough, speak/phonate, and wean more effectively
- Soft-swivel opaque flange moves with the patient
- Smooth, rounded tip obturator facilitates insertion
- Not made with natural rubber latex
- Available in four configurations:
  - DFEN: High-volume, low-pressure cuff with disposable inner cannula
  - DCFN: Cuffless with disposable inner cannula
  - FEN: High-volume, low-pressure cuff with reusable inner cannula
  - CFN: Cuffless with reusable inner cannula
- DFEN and DCFN products feature:
  - Disposable inner cannula with an integral 15 mm snap-lock connector
  - Disposable decannulation plug (DDCP)
- FEN products feature:
  - Reusable inner cannula with an integral 15 mm twist lock connector
  - Decannulation plug (DCP)
- CFN products feature:
  - Reusable inner cannula with an integral 15 mm twist lock connector
  - Inner cannula with open or closed lumen and low-profile connector that reduces bulk at stoma (not adaptable to ventilator equipment)
  - Decannulation plug (DCP)

### DFEN



With disposable inner cannula, obturator, and disposable decannulation plug

### DCFN



With disposable inner cannula, obturator, and disposable decannulation plug

### FEN



With reusable inner cannula, fenestrated inner cannula, obturator, and decannulation plug

### CFN



With reusable inner cannula, inner cannula with low-profile connector, fenestrated inner cannula, obturator, and decannulation plug

### Ordering information

Size	Disposable IC products		Reusable IC products		I.D. (mm)	O.D. (mm)	Length	Cuff†
	CFN cuffed with disposable inner cannula	CFN cuffless with disposable inner cannula	CFN cuffed with reusable inner cannula	CFN cuffless with reusable inner cannula				
4	4DFEN	4DCFN	4FEN	4CFN	5.0	9.4	62	20
6	6DFEN	6DCFN	6FEN	6CFN	6.4	10.8	74	24
8	8DFEN	8DCFN	8FEN	8CFN	7.6	12.2	79	27
10	10DFEN	10DCFN	10FEN	10CFN	8.9	13.8	79	29

†Applicable to cuffed product only.

Carton quantity: 1. Sterile packed, for single use only.

Reference the [ICU solutions accessories](#) section for additional information on fenestrated tracheostomy tube accessories.



# Patient support for total laryngectomy

## Shiley™ Laryngectomy Tubes, Cuffless

### Features and benefits

- Made with high-quality, compliant material
- Comfortable, convenient alternative to metal tubes
- Inner cannula with an integral 15 mm twist-lock connector permits connection of ancillary equipment and is translucent for easy inspection
- Inner cannula with open lumen and low-profile connector reduces bulk at stoma (Caution: Low profile inner cannula is not adaptable to ventilator equipment.)
- Inner cannula with closed lumen and low-profile connector, which directs breathing through the upper airway
- Smooth, rounded-tip obturator facilitates insertion

### Ordering information

Size	CFN	I.D. (mm)	O.D. (mm)	Length
6	6LGT	6.4	11.1	50
8	8LGT	7.6	12.6	50
10	10LGT	8.9	13.7	50

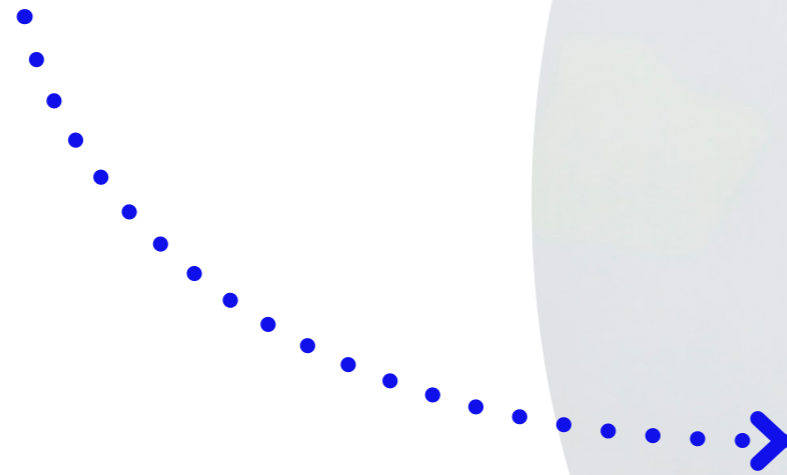
Carton quantity: 1. All tubes are delivered sterile packed, for single use only.

LGT



With inner cannula, inner cannula with open lumen, inner cannula with closed lumen, and obturator

# Airway accessories



# OR solutions accessories

## Shiley™ Nasopharyngeal Airway

[Learn more](#)

### Features and benefits

- Provides an open airway that is designed to make suctioning and bronchoscopy easier, safer, and less traumatic
- Material is extra soft for patient comfort and helps to minimize patient coughing and gagging
- May provide protection to mucosa in patients requiring repeated catheter passage during procedures or nasotracheal suctioning
- Can be placed in the conscious and semiconscious patient without causing the patient to gag
- Size markings on flange
- Thin wall construction enables a large inside diameter
- Non-adjustable nasopharyngeal airway flange

### Ordering information

CFN	I.D. (mm)	O.D. (Fr)	O.D. (mm)	Length (mm)
8888247015	6.0	24	8.0	110
8888247023	6.5	26	8.7	114
8888247031	7.0	28	9.3	127
8888247049	7.5	30	10.0	140
8888247056	8.0	32	10.7	152
8888247064	8.5	34	11.3	159

Carton quantity: 10  
Single packed, ready for use



## Shiley™ Intubating Stylet

[Learn more](#)

### Features and benefits

- Made of malleable aluminum covered with a plastic sheath in lubricated Satin-Slip™ surface
- Use of the stylet helps to maintain the shape of the endotracheal tube during intubation
- Sheath helps reduce friction between stylet and endotracheal tube insertion and withdrawal
- Sheath extends beyond the tip of the endotracheal tube, reducing the potential risk of trauma to the patient

### Ordering information

CFN satin slip	Recommended tube I.D. (mm)	Length (mm)	Size
85863	2.5 to 4.5	280	6 Fr
85864	4.0 to 6.0	350	10 Fr
85865	> 5.0	350	14 Fr

Carton quantity: 20  
Packed clean, for single use only. Also available sterile.



# OR solutions accessories

[Learn more](#)

## Nellcor™ Colorimetric Adult and Pediatric CO<sub>2</sub> Detectors

### Features and benefits

- Attaches directly to an endotracheal tube to indicate exhaled CO<sub>2</sub> levels during intubation for up to two hours
- Responds quickly to exhaled CO<sub>2</sub> with a simple color change from purple to yellow
- Features an easy-to-see display window that provides constant visual feedback with breath-to-breath response
- Aids in the assessment of CPR effectiveness
- May help verify that patients are properly intubated right from the start – and that they stay that way during transport<sup>1</sup>
- Provides an easy, economical way to assess exhaled CO<sub>2</sub> during airway management<sup>1</sup>



### Ordering information

CFN	Description	Recommended patient weight	Internal volume	Resistance to flow	Detector weight	Connector ports		Usage time
						Patient end (mm)	Circuit end (mm)	
PEDICAP	Case of 24	1 to 15 kg	3 cc	2.5 cm H <sub>2</sub> O ± 0.5 cm 10 L/min flow	Less than 5 g	18 OD/15 ID	15 OD/5 ID	Up to 2 hours
PEDICAP 6	Case of 6	1 to 15 kg	3 cc	2.5 cm H <sub>2</sub> O ± 0.5 cm 10 L/min flow	Less than 5 g	18 OD/15 ID	15 OD/5 ID	Up to 2 hours
EASYCAP II	Case of 24	Over 15 kg	25 cc	3.0 cm H <sub>2</sub> O ± 1.0 cm 60 L/min flow	Less than 20 g	22 OD/15 ID	15 OD/13 ID	Up to 2 hours
EASYCAP II 6	Case of 6	Over 15 kg	25 cc	3.0 cm H <sub>2</sub> O ± 1.0 cm 60 L/min flow	Less than 20 g	22 OD/15 ID	15 OD/13 ID	Up to 2 hours

1. Ornato JP, Shipley JB, Racht EM, et al. Multicenter study of a portable, hand-size, colorimetric end-tidal carbon dioxide detection device. *Ann Emerg Med.* 1992;21(5):518-523.





# Tracheostomy accessories

## Shiley™ Disposable Inner Cannulas



[Learn more](#)

### Features and benefits

- Disposability offers convenience of care and maintenance
- Disposable inner cannula (DIC) has an integral 15 mm snap-lock connector for quick and safe disposal after a single use
- Disposable fenestrated inner cannula (DICFEN) features a snap-lock, green color-coded connector

### Ordering information

Size	CFN disposable inner cannula	CFN disposable fenestrated inner cannula	For use with	
4	4DIC	4DICFEN	4DFEN	4DCFN
6	6DIC	6DICFEN	6DFEN	6DCFN
8	8DIC	8DICFEN	8DFEN	8DCFN
10	10DIC	10DICFEN	10DFEN	10DCFN

Carton quantity: 10. Sterile individually packed, for single use only.



## Shiley™ Spare Inner Cannulas



[Learn more](#)

### Features and benefits

- For temporary use during cleaning or removal of the inner cannula of Shiley™ tracheostomy tubes
- Disposability offers convenience of care and maintenance
- Features a red color-coded twist-lock connector

### Ordering information

Size	CFN	For use with	
4	4SIC	4FEN	4CFN
6	6SIC	6FEN	6CFN
8	8SIC	8FEN	8CFN
10	10SIC	10FEN	10CFN

Carton quantity: 10. Sterile individually packed, for single use only.



## Shiley™ Tracheostomy Plugs and Caps



[Learn more](#)

### Features and benefits

- Closes the proximal end of fenestrated tracheostomy tubes to enable breathing through the fenestration and upper airway
- White 15 mm Shiley™ tracheostomy tube cap (CAP) attaches to the fenestrated inner cannula
- Decannulation plug (DCP) closes the proximal end of the reusable inner cannula products
- Disposable decannulation plug (DDCP) closes the proximal end of the disposable inner cannula products

### Ordering information

Size	CFN tracheostomy tube cap	CFN decannulation plug	For use with	
4	CAP (Fits with any size)	4DCP	4FEN	4CFN
6		6DCP	6FEN	6CFN
8		8DCP	8FEN	8CFN
10		10DCP	10FEN	10CFN

Carton quantity: 10. Sterile individually packed, for single use only.

Size	CFN disposable decannulation plug	For use with	
4	DDCP (Fits with any size)	4DFEN	4DCFN
6		6DFEN	6DCFN
8		8DFEN	8DCFN
10		10DFEN	10DCFN

Carton quantity: 10. Sterile individually packed, for single use only.



# Tracheostomy accessories

## Shiley™ Speaking Valves

[Learn more](#)



### Features and benefits

- Facilitates vocalization for alert, awake patients who are independently breathing
- Available with (SSVO) or without (SSV) a supplemental oxygen port cap
- Connects to any 15 mm tracheostomy tube connector
- Directs airflow past the vocal cords, helping patients speak without finger occlusion
- Hinged cap for easy cleaning
- Lightweight material may help reduce additional pressure on stoma site

### Ordering information

CFN	Description	Quantity per carton
SSVO	Speaking valve for use with low-flow oxygen port	1
SSV	Speaking valve	1



## Shiley™ Tracheostomy Tube Holder

[Learn more](#)



### Features and benefits

- Securely holds a tracheostomy tube in place
- Convenient alternative to tape
- Fits most patients, from pediatric to adults
- Soft, foam-padded cotton material provides patient comfort
- Wide band may promote good skin care
- Band tapers at hooks to help reduce excess secretion accumulation

### Ordering information

CFN	Description	Quantity per carton
TTH	Tracheostomy tube holder for pediatric and adult	10



# ICU solutions accessories

[Learn more](#)

## DAR™ Filters

### Features and benefits

- Minimize the spread of infection and the risk of cross-contamination by removing pathogens before they enter the airway and as they are exhaled
- Heat and moisture exchangers (HMEs) provide humidification by adding heat and moisture to the inspired air
- Electrostatic filters use positive and negative charges to attract and capture particles
- Mechanical filters feature a multilayered, pleated filtration medium for greater efficiency compared to electrostatic filters<sup>1</sup> and protect against microbes as small as 0.02 μ
- Low resistance to airflow reduces work of breathing
- ISO standard 15 mm and 22 mm fitting connects to breathing circuit

### Ordering information

CFN	Description
352U5805	Adult-pediatric electrostatic filter HME, large
352U5996	Adult-pediatric electrostatic filter HME, small, angled port
355U5430	Pediatric-neonatal electrostatic filter HME, small
355U5427	Pediatric-neonatal electrostatic filter HME
354U19028	Mechanical filter HME, small

Carton quantity: 50; Clean and individually packaged.



1. Cann C, Hampson MA, Wilkes AR, Hall JE. The pressure required to force liquid through breathing system filters. *Anaesthesia*. 2006;61(5):492-497.



# ICU solutions accessories

[Learn more](#)

## DAR™ Tracheolife II Heat and Moisture Exchanger (HME)

### Features and benefits

- For use on tracheostomy patients who can breathe spontaneously
- Oxygen port positioned to allow heating and humidification of all inspired gases
- Collection chamber ensures functionality is not compromised in the presence of sputum
- Central port allows suctioning and sampling to be performed without removing the HME
- ISO standard 15 mm fitting



## DAR™ Hygrolife II HME

### Features and benefits

- For use with ventilated patients
- Hygroscopic HME media traps patient's own moisture and reduces heat loss
- Low airflow resistance
- End tidal CO<sub>2</sub> port offers easy access to airway gases
- Moisture output greater than 30 mg H<sub>2</sub>O/L
- ISO standard 15 mm and 22 mm fittings



## DAR™ Tracheolife III HME

### Features and benefits

- For use on tracheostomy patients who can breathe spontaneously
- Oxygen port enables oxygen supply simply by connecting an O<sub>2</sub> line
- Membranes located on both sides (t-shape)
- Lightweight, compact design
- 15 mm connector with tracheostomy tube



## DAR™ Double Swivel Connector

### Features and benefits

- For use with tracheostomy and endotracheal patients to reduce the trauma associated with movement of the circuit connection
- Double swivel connector moves with the circuit to reduce torque on the tube
- Port with cap allows access for bronchoscope and suction catheters



### Ordering information

CFN	Description	Quantity per carton
353U19004	Tracheolife II HME	25
353S19046	Tracheolife III HME	25
353S19007	Hygrolife II HME	25
610/5257	Double swivel connector	10





Table of  
contents

Airway access  
solutions

Emergency  
solutions

Tracheostomy  
solutions

Airway  
accessories

For trained personnel only. For specific indications and instructions for use, please refer to the IFU.

**IMPORTANT:** Please refer to the package insert for complete instructions, contraindications, warnings, and precautions.

©2023 Medtronic. Medtronic, Medtronic logo, and Engineering the extraordinary are trademarks of Medtronic. All other brands are trademarks of a Medtronic company. 03/2023-US-RE-2000286-[WF#3769592]

6135 Gunbarrel Avenue Boulder, CO 80301 800.635.5267 [medtronic.com/covidien](https://www.medtronic.com/covidien)

**Medtronic**