

**COMPLETE  
PRODUCT CATALOG**



**Boston**  
Medical Products

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## DESCRIPTION

The Montgomery® Safe-T-Tube™ is designed to maintain an adequate airway as well as to provide support in the stenotic trachea that has been reconstituted or reconstructed. Our exclusive design of ridges and grooves along the extraluminal limb of the tube allows a ring washer to be attached, significantly reducing the possibility of accidental posterior displacement.

The Montgomery® Safe-T-Tube™ is available in five styles - Pediatric, Standard, Thoracic, Extra-long and Tapered - in both clear and radiopaque models. Safe-T-Tubes™ are easy to insert, suction and remove, and can be used with anesthesia. Speaking valves to facilitate vocalization are also available. Shortened limbs can be ordered directly from our facility at no additional charge.

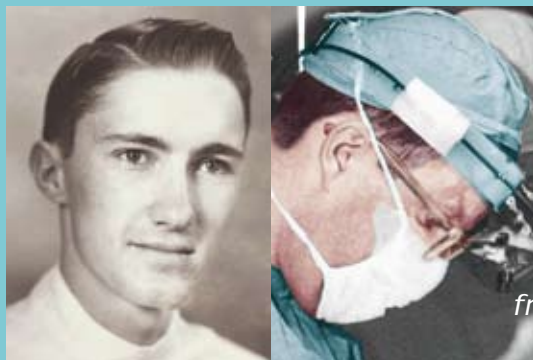
In addition, we offer the 4500 Series Hebel Safe-T-Tube™, featuring an internal balloon system for adjustable airflow, and the 8200 Series HMS System™, a complete laryngotracheal repair system with inner cannula.

A video educational kit with a CD outlining the Montgomery® Safe-T-Tube™ procedure is available. Please call Customer Service for your copy.

## Custom lengths

Special situations require shortened Safe-T-Tube™ limbs. We offer a service to shorten any Safe-T-Tube™ to your exact dimensions and finish the ends with a smooth taper. Please call Customer Service for details.

For those who prefer to customize tubes in the field, we offer the CK 1022 Tube Cutter to create an accurate and straight cut on any diameter Safe-T-Tube™. (Caution: to prevent potential damage to tracheal tissues, cut Safe-T-Tube™ limbs must be smoothed prior to tube insertion.)



William W. Montgomery, M.D.  
1923 - 2003

from physicians  
for physicians



# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 3200 SERIES PEDIATRIC

### Description

The 3200 Series Pediatric Safe-T-Tubes™ feature an angled extraluminal limb to facilitate suctioning and airway management. Shortened limbs can be ordered directly from our facility, supplied non-sterile. Please allow up to 4 working days for custom orders.

Available in sizes 6 mm, 7 mm, 8 mm and 9 mm (outside diameter) in either clear or radiopaque implant grade silicone. Each Safe-T-Tube™ set includes the tube, two plug/ring sets, and product information. Additional plug/ring sets are available. Refer to chart below for corresponding product codes.

### Indications for use

- Acute laryngotracheal injuries.
- To support intrathoracic tracheal stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

### Supplied

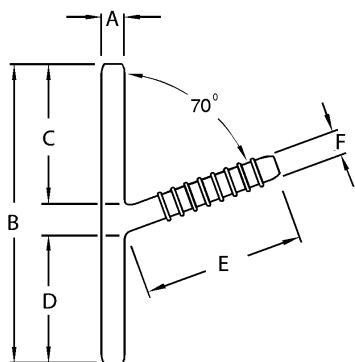
Sterile

1 tube, 2 plug/ring sets

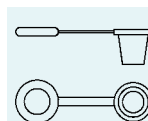


### FEATURES

- Angled extraluminal limb
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear or radiopaque material



### Dimensions, Product Codes, & Accessories



SIZE	REF		Dimensions (mm)						REF
	clear	radiopaque	A	B	C	D	E	F	Plug/Ring Set
6	320006	32006R	6	94	45	42	45	6	321066
7	320007	32007R	7	95	46	42	45	6	321066
8	320008	32008R	8	96	45	42	45	8	321086
9	320009	32009R	9	97	46	42	45	8	321086

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 4200 SERIES STANDARD

### Description

The 4200 Series Standard Safe-T-Tube™ is the original design featuring dimensions that will work for the majority of surgical cases. Shortened limbs can be ordered directly from our facility, supplied non-sterile. Please allow up to 4 working days for custom orders.

Available in sizes 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm and 16 mm (outside diameter) in either clear or radiopaque implant grade silicone. Each Safe-T-Tube™ set includes the tube, two plug/ring sets and product information. Also available are 15 mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.

### Indications for use

- Acute laryngotracheal injuries.
- To support intrathoracic tracheal stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

### Supplied

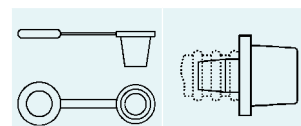
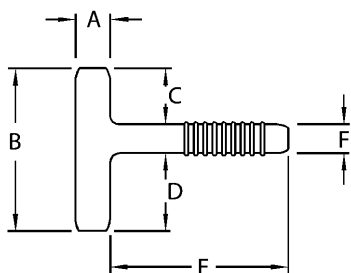
Sterile

1 tube, 2 plug/ring sets



### FEATURES

- Original design
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear or radiopaque material



### Dimensions, Product Codes, & Accessories

SIZE	REF		Dimensions (mm)						REF	
	clear	radiopaque	A	B	C	D	E	F	Plug/Ring Set	15 mm Adaptor
10	420010	42010R	10	50	19	23	39	8	321106	321107
11	420011	42011R	11	60	20	29	50	11	321126	321127
12	420012	42012R	12	66	23	32	50	11	321126	321127
13	420013	42013R	13	68	24	33	55	11	321126	321127
14	420014	42014R	14	72	26	35	59	11	321126	321127
15	420015	42015R	15	73	26	36	57	11	321126	321127
16	420016	42016R	16	75	27	37	66	11	321126	321127

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 4500 SERIES HEBELER

### Description

The 4500 Series Hebeler Safe-T-Tube™ features an integral internal balloon to adjust the airflow through the upper end of the tube. The balloon can be inflated for intermittent closure of the upper limb, creating a closed system between the tracheotomy and lungs. Following anesthesia or ventilation, the balloon is deflated and the upper limb becomes open for upper respiratory access.

Available in sizes 12 mm, 15 mm and 18 mm (outside diameter) in clear implant grade silicone. Each Safe-T-Tube™ set is supplied with the tube, two plug/ring sets and product information. Also available are 15 mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.

### Indications for use

- Acute laryngotracheal injuries.
- To support intrathoracic tracheal stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

### Supplied

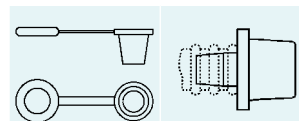
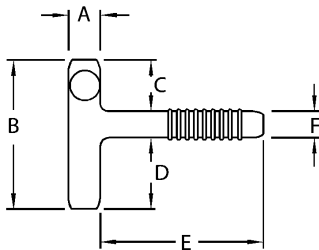
Sterile

1 tube, 2 plug/ring sets



### FEATURES

- Patented internal balloon design
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear material



### Dimensions, Product Codes & Accessories

SIZE	REF clear	Dimensions (mm)						REF	
		A	B	C	D	E	F	Plug/Ring Set	15 mm Adaptor
12	450012	12	76	25	40	60	11	321126	321127
15	450015	15	77	25	40	60	12	321156	321157
18	450018	18	79	25	40	60	14	321186	321187

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 5200 SERIES THORACIC

### Description

The 5200 Series Thoracic Safe-T-Tube™ features an extra-long lower limb for thoracic applications. Shortened limbs can be ordered directly from our facility, supplied non-sterile. Please allow up to 4 working days for custom orders.

Available in sizes 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm and 16 mm (outside diameter) in either clear or radiopaque implant grade silicone. Each Safe-T-Tube™ set is supplied with the tube, two plug/ring sets and product information. Also available are 15 mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.

### Indications for use

- Acute laryngotracheal injuries.
- To support intrathoracic tracheal stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

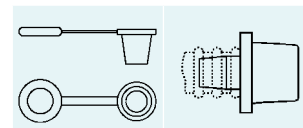
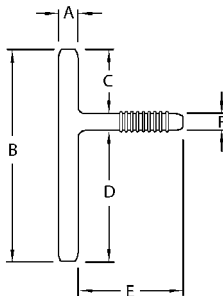
### Supplied

Sterile  
1 tube, 2 plug/ring sets



### FEATURES

- Extra-long distal limb
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear or radiopaque material



### Dimensions, Product Codes & Accessories

SIZE	REF		Dimensions (mm)						REF	
	clear	radiopaque	A	B	C	D	E	F	Plug/Ring Set	15 mm Adaptor
10	520010	52010R	10	112	30	74	38	8	321106	321107
11	520011	52011R	11	115	30	74	50	11	321126	321127
12	520012	52012R	12	112	29	72	50	11	321126	321127
13	520013	52013R	13	116	31	74	58	11	321126	321127
14	520014	52014R	14	119	33	75	58	11	321126	321127
15	520015	52015R	15	119	33	75	58	11	321126	321127
16	520016	52016R	16	119	33	75	65	11	321126	321127

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 6200 SERIES EXTRA-LONG

### Description

The 6200 Series Extra-long Safe-T-Tube™ is designed to provide the surgeon the total freedom to customize the intraluminal limbs to any desired length. Shortened limbs can be ordered directly from our facility, supplied non-sterile. Please allow up to 4 working days for custom orders.

Available in sizes 10 mm, 11 mm, 12 mm, 13 mm, 14 mm, 15 mm and 16 mm (outside diameter) in either clear or radiopaque implant grade silicone. Each Safe-T-Tube™ set includes the tube, two plug/ring sets and product information. Also available are 15 mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.

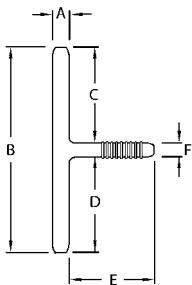
### Indications for use

- Acute laryngotracheal injuries.
- To support intrathoracic tracheal stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

### Supplied

Sterile

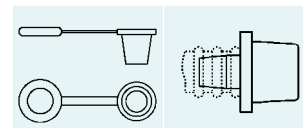
1 tube, 2 plug/ring sets



### FEATURES

- Extra-long upper and lower limbs
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear or radiopaque material

### Dimensions, Product Codes & Accessories



SIZE	REF		Dimensions (mm)						REF	
	clear	radiopaque	A	B	C	D	E	F	Plug/Ring Set	15 mm Adaptor
10	620010	62010R	10	156	74	74	38	8	321106	321107
11	620011	62011R	11	159	74	74	50	11	321126	321127
12	620012	62012R	12	161	75	74	50	11	321126	321127
13	620013	62013R	13	161	75	74	58	11	321126	321127
14	620014	62014R	14	161	75	75	58	11	321126	321127
15	620015	62015R	15	161	75	75	58	11	321126	321127
16	620016	62016R	16	163	76	75	65	11	321126	321127

# MONTGOMERY® SAFE-T-TUBE™ SERIES



## 7200 SERIES TAPERED

### Description

The 7200 Series Tapered Safe-T-Tube™ is designed to assist with the management of tracheal, subglottic and glottic stenoses. The superior end conforms to the contour of the glottis and subglottis, while the larger inferior portion simultaneously acts as a stent for the trachea. The tapered end is designed to project up beyond the true vocal cords to the level of the laryngeal ventricle. Shortened limbs can be ordered directly from our facility, supplied non-sterile. Please allow up to 4 working days for custom orders.

Available in sizes 8 mm/10 mm and 10 mm/13 mm (outside diameters) in either clear or radiopaque implant grade silicone. Each Safe-T-Tube™ set includes the tube, two plug/ring sets and product information. Also available are 15 mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.



### Indications for use

- Acute laryngotracheal injuries.
- To support subglottic stenosis.
- To support a reconstructed trachea.
- Tracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

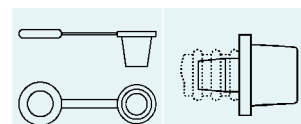
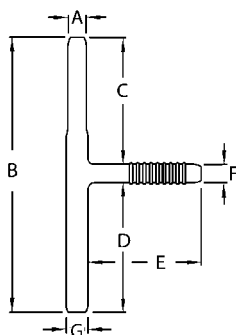
### FEATURES

- Tapered upper limbs
- Implant grade silicone
- Non-adherent smooth surface
- Safety ring and groove system
- Available in clear or radiopaque material

### Supplied

Sterile

1 tube, 2 plug/ring sets



### Dimensions, Product Codes & Accessories

SIZE	REF		Dimensions (mm)							REF	
	clear	radiopaque	A	B	C	D	E	F	G	Plug/Ring Set	15 mm Adaptor
8/10	721008	71008R	8	159	75	76	68	8	10	321106	321107
10/13	721310	71310R	10	163	76	76	66	11	13	321126	321127



# HEALY/MONTGOMERY® STENT SYSTEM



## 8200 SERIES HMS SYSTEM™

### Description

The 8200 Series HMS System™ is designed to provide support during repair and/or reconstruction procedures of the subglottis and trachea. The system combines the features of the original Montgomery® Safe-T-Tube™ with the advantages of an inner cannula system. Once the stent is in place, the inner cannula can be removed for cleaning without disturbing repaired areas. The inner cannula has a 15 mm end to connect to respiratory accessories. When repair is complete, the HMS System™ can be removed endoscopically. Available in sizes 7 mm, 9 mm and 11 mm (outside diameters). Each HMS System includes the outer tube, two inner cannulas, one plug (for upper internal limb), one exterior flange, one lubrication kit, one neck strap and product information.



### Indications for use

- Acute laryngotracheal injuries.
- To support a reconstructed trachea.
- Treatment of laryngotracheal stenosis.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To maintain a cervical trachea that cannot be repaired.

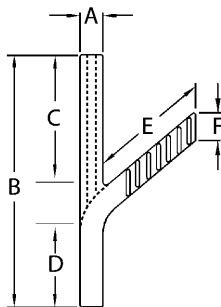
### FEATURES

- Complete system with inner cannula
- Medical grade material
- Non-adherent smooth surface
- Safety ring and groove system

### Supplied

Sterile

1 HMS System™, 1 outer tube, 2 inner cannulas, 1 plug (for upper internal limb), 1 exterior flange, 1 lubrication kit, 1 neck strap



### Dimensions & Product Codes

SIZE	REF	Dimensions (mm)					
		A	B	C	D	E	F
7	820007	7	100	50	37	45	7
9	820009	9	100	50	37	45	9
11	820011	11	110	50	45	60	11

# MONTGOMERY® TRACHEAL CANNULA SYSTEM



The patented **Montgomery® Tracheal Cannula System** is designed to give the surgeon a complete program for creating a secondary airway - from initial incision through long-term tracheostomy care. Used in place of tracheostomy tubes, the system provides long-term access to the tracheal airway in situations that require an artificial airway or where access is needed for pulmonary hygiene.

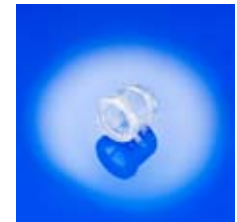
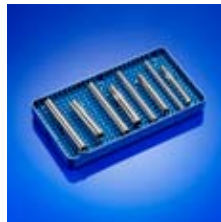
The uniquely designed thin inner flange of the cannula is shaped to fit snugly against the contour of the inner anterior tracheal wall. No tube projects into the tracheal lumen. The exclusive ring washer and groove system prevents inward displacement of the tube. All tracheal cannulas are made of flexible medical grade silicone to assure patient comfort and safety while reducing complications.

The **Montgomery® Tracheal Fenestrator** is a surgical steel instrument that incises a precise circular opening for proper placement of the Short-Term Tracheal Cannula. The fenestrator works with standard suction equipment and is easy to use.

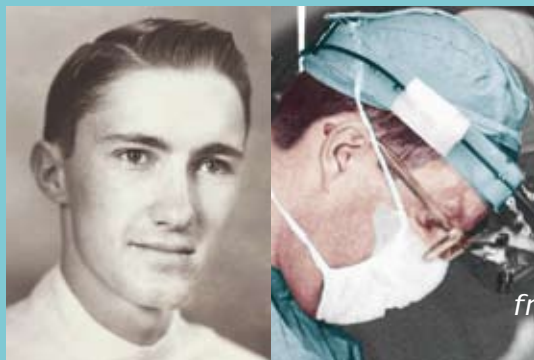
The **Montgomery® Long-Term Cannula**, used to replace either the Short-Term Cannula or a standard tracheostomy tube, is designed with a highly polished shaft - an exclusive feature that encourages the growth of epithelium to create a smooth stoma. Cannula diameters correspond to standard tracheostomy tube sizes. The stoma length in millimeters is measured along the inferior aspect of the stoma to determine the cannula model.

The **Montgomery® STOMEASURE™** makes it possible for the physician to accurately measure a patient's tracheal stoma to assure selection of the proper Long-Term Cannula model, available in 24 sizes to fit virtually any patient.

With the **Montgomery® Cannula Speaking Valve** attached to the cannula, patients can vocalize without the need for finger occlusion. The valves provide a one-way air-flow by means of a thin silicone diaphragm. A unique cough-release feature eliminates valve blowout following a forceful cough or excessive airway pressure.



CDs outlining the **Montgomery® Tracheal Cannula System** procedure and **Care and Cleaning of the Montgomery® Long-Term Cannula** are available from Boston Medical Products. Please contact Customer Service with your requests.



William W. Montgomery, M.D.  
1923 - 2003

*from physicians  
for physicians*



# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## SHORT-TERM CANNULA

### Description

The Montgomery® Short-Term Cannula is designed for use with an initial tracheotomy. Use of the Montgomery® Tracheal Fenestrator to create the incision is recommended to ensure a precise fit of the cannula in the anterior tracheal wall.

A procedural video detailing the use of the tracheal fenestrator and insertion of the short-term cannula is available. Following the fenestration and insertion procedure, the Short-Term Cannula can be left in place for several weeks and should then be replaced by the Montgomery® Long-Term Cannula to establish a long-term stoma. Each Short-Term Cannula Set includes the tube, one faceplate, one plug/ring set, and product information. Also available are 15 mm adaptors, and additional faceplates and plug/ring sets. Refer to chart below for corresponding product codes.



### Indications for use

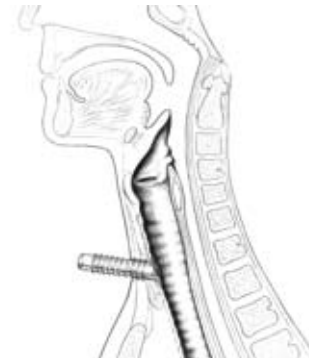
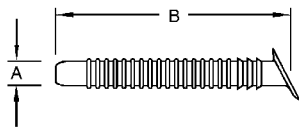
- To create a secondary airway.
- Used to replace a standard tracheostomy tube.

### Supplied

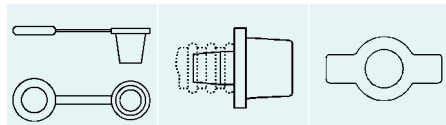
Sterile  
1 tube set  
(includes the tube, 1 faceplate, 1 plug/ring set)

### FEATURES

- No tube projecting into the trachea
- Flexible medical grade silicone
- Safety ring and groove system
- Angled internal flange for proper positioning
- Length can be trimmed to any neck size



### Dimensions, Product Codes & Accessories



SIZE	REF	Dimensions (mm)		REF		
		A	B	Plug/Ring Set	15 mm Adaptor	Faceplate
4	330401	9	101	310406	310404	310403
6	330601	11	101	310606	310604	310603
8	330801	12	101	310806	310804	310803
10	331001	13	101	311006	311004	311003

# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## TRACHEAL FENESTRATOR

### Description

The Montgomery® Tracheal Fenestrator is specifically designed to incise the correct size and shape opening for insertion of a Montgomery® Tracheal Cannula or standard tracheostomy tube. These precision instruments feature a serrated blade to penetrate both the tissue and cartilage. The fenestrator's inner cannula, connected to standard suction tubing, adheres to the desired location on the anterior tracheal wall while the knife is rotated to make the incision. The use of suction in this manner also prevents the patient from aspirating the incised tracheal core.

The fenestrator is available in four sizes:  
4 (6.5 mm); 6 (8 mm); 8 (10 mm); and 10 (11 mm).

The Montgomery® Tracheal Fenestrator Set includes all four sizes of the fenestrator housed in a convenient sterilization tray.

Individual fenestrators are supplied sterile; the fenestrator set is supplied non-sterile, ready for your sterilization and includes complete instructions. A CD demonstrating the tracheotomy procedure is available. Please call Customer Service for details.

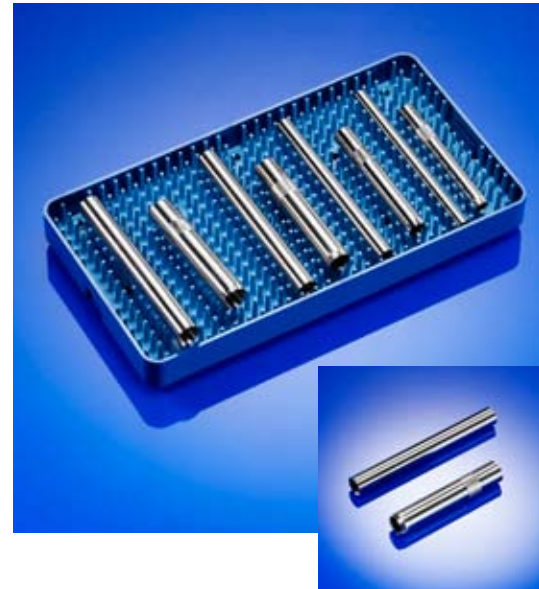
### Indications for use

To create a precise circular incision in the trachea.

### Supplied

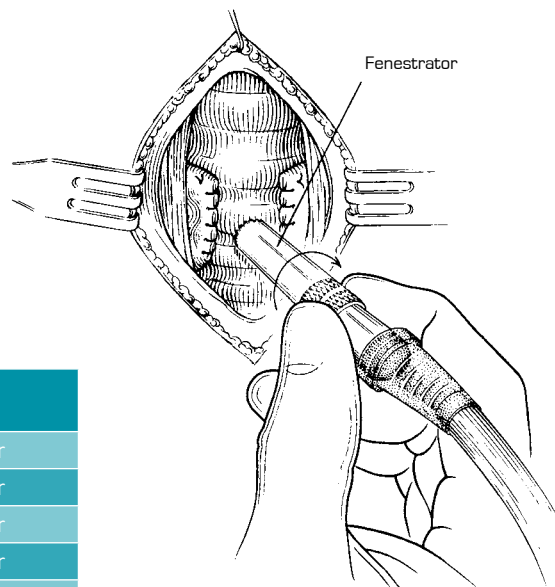
Individual Fenestrators: Sterile

Fenestrator Set: Non sterile



### FEATURES

- Simple to use
- Works with standard suction equipment
- Reduced trauma to tracheal wall
- Fenestration ensures precise fit of cannula



### Product Codes

SIZE	REF	Diameter (mm)	
4	341004	6.5	Fenestrator
6	341006	8	Fenestrator
8	341008	10	Fenestrator
10	341010	11	Fenestrator
	341000		Tracheal Fenestrator Set

# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## INITIAL CANNULA SET

### Description

The Montgomery® Initial Cannula Set includes one Short-Term Cannula Set and the corresponding Tracheal Fenestrator - everything needed to create a precise secondary airway.

The Montgomery® Tracheal Fenestrator is specifically designed to incise the correct size and shape opening for insertion of the Montgomery® Short-Term Cannula. These precision instruments feature a serrated blade to penetrate both the tissue and cartilage. The fenestrator's inner cannula, connected to standard suction tubing, adheres the instrument to the desired location on the anterior tracheal wall while the knife is rotated to make the incision. The use of suction in this manner also prevents the patient from aspirating the incised tracheal core. The fenestrator is reusable for future procedures.

The Montgomery® Short-Term Cannula features an extra-long length that can be trimmed following insertion. The angled internal flange ensures proper positioning and rests on the anterior tracheal wall. Three barbed rings adjacent to the cannula flange reside in the tracheostoma and help to secure the cannula while the tracheotomy heals. The faceplate is sutured to the skin for additional immobilization of the cannula.

Following the fenestration and insertion procedure, the Short-Term Cannula can be left in place for several weeks and should then be replaced by the Montgomery® Long-Term Cannula to establish a long-term stoma. A CD detailing the use of the tracheal fenestrator and insertion of the short-term cannula is available.

### Indications for use

- To create a secondary airway.
- Used to replace a standard tracheostomy tube.

### Supplied

Sterile

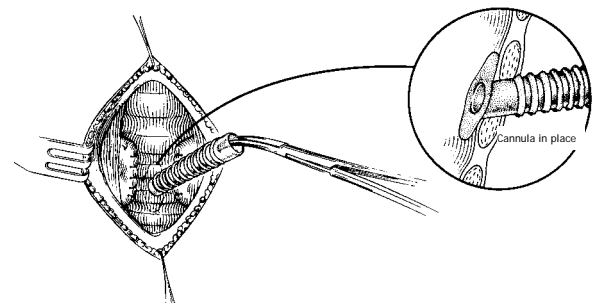
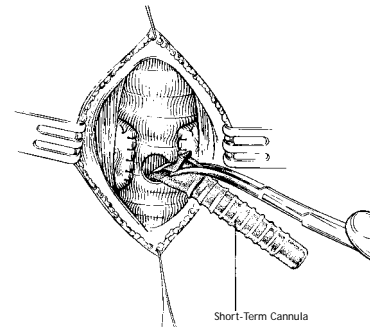
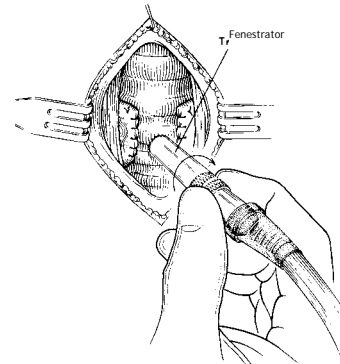
1 Short-Term Cannula Set

(includes the tube, 1 faceplate, 1 plug/ring set)  
and corresponding fenestrator per carton

See page 3 for Short-Term Cannula dimensions.

### Product Codes

SIZE	REF	
4	330400	Initial Set
6	330600	Initial Set
8	330800	Initial Set
10	331000	Initial Set



# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## STOMEASURE™

### Description

The Montgomery® STOMEASURE™ is a special device used to accurately measure the tracheal stoma for proper fitting of the Montgomery® Long-Term Cannula.

Made from medical grade materials, the STOMEASURE™ measures both the diameter and length of the stoma. With these measurements, the physician can select a Long-Term Cannula model to fit most tracheotomies.

A CD demonstrating use of the STOMEASURE™ is available from Boston Medical Products.

The STOMEASURE™ is disposable for single patient use.

### Indications for use

To measure the diameter and length of the tracheal stoma for selection of the proper Long-Term Cannula.

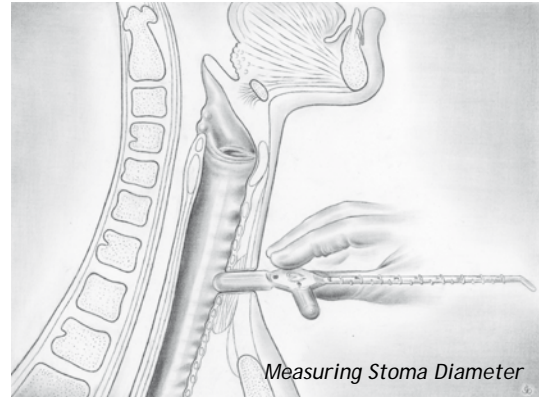
### Supplied

Sterile

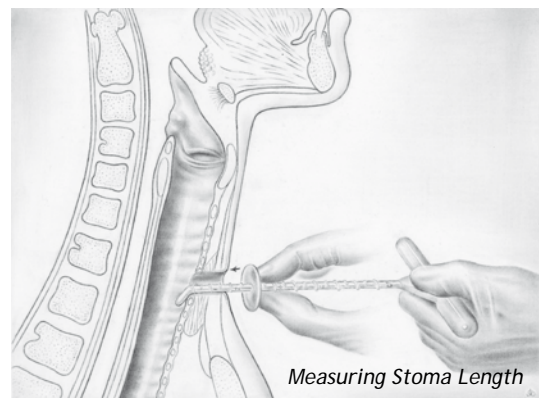


### FEATURES

- Easy-to-use
- Disposable



Measuring Stoma Diameter



Measuring Stoma Length

### Product Code

REF	
STM100	STOMEASURE™

# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## LONG-TERM CANNULA

### Description

The patented Montgomery® Long-Term Cannula is the result of many years of clinical research and design. Used to replace either the Short-Term Cannula or a standard tracheostomy tube, the cannula features a 27°-angled flange to ensure that the tube rests horizontally when seated in the trachea - nothing protrudes into the trachea.

Made from flexible Implant grade silicone, the tube has a highly polished surface that permits and encourages growth of epithelium between the trachea and the skin. Once inserted, a ring washer is applied, ensuring patient safety. The tube can be trimmed to a low profile. A dual-purpose groove along the axis of the tube rests in the "6 o'clock" position for orientation and serves as a drainage vent.

Long-Term Cannula diameters correspond to standard tracheostomy tube sizes 4, 6, 8, and 10. The stoma length in millimeters is measured along the inferior aspect of the stoma from the anterior tracheal wall to the outside skin. These measurements are made easily using the STOMEASURE™. There are 24 sizes of Long-Term Cannula to choose from. Each Long-Term Cannula includes the tube, two plug/ring sets, and product information. Also available are 15mm adaptors and additional plug/ring sets. Refer to chart below for corresponding product codes.

Please call Customer Service for a copy of our "Care and Cleaning of the Montgomery® Long-Term Cannula" CD.

### Indications for use

- To provide a secondary airway.
- Used to replace a standard tracheostomy tube.

### Supplied

Sterile

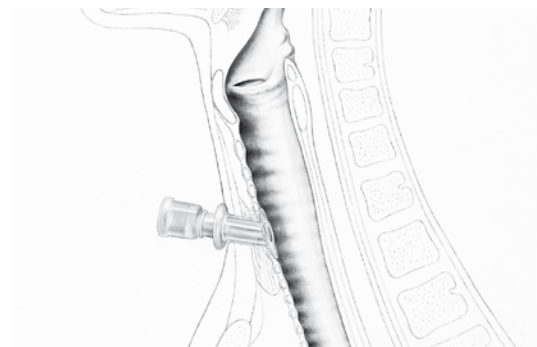
1 tube set

(includes the tube, 2 plug/ring sets)

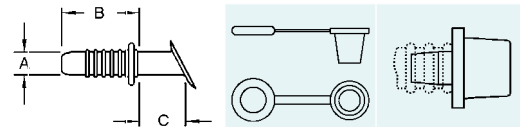


### FEATURES

- No tube projecting into the trachea
- Angled internal flange for proper positioning
- Easy to clean and maintain
- Flexible implant grade silicone
- Safety ring and groove system
- Length can be trimmed to any neck size



## Dimensions, Product Codes & Accessories



SIZE	Dimensions (mm)		REF for the following stoma lengths (dimension "C") in millimeters						REF	
	A	B	17-25	25-33	33-41	41-49	49-57	57-65	Plug/Ring Set	15 mm Adaptor
4	9	37	330425	330433	330441	330449	330457	330465	310406	310404
6	11	37	330625	330633	330641	330649	330657	330665	310606	310604
8	12	37	330825	330833	330841	330849	330857	330865	310806	310804
10	13	37	331025	331033	331041	331049	331057	331065	311006	311004

# MONTGOMERY® TRACHEAL CANNULA SYSTEM



## CANNULA SPEAKING VALVES

### Description

The Montgomery® Speaking Valves are designed to allow cannula patients to vocalize without the need for finger occlusion. All valves provide one-way airflow using a thin silicone hinged diaphragm that opens on inspiration and closes on expiration. Choose from premium silicone or medical grade plastic (MGP) models. All valves feature our unique cough-release feature, eliminating valve or tube displacement following a forceful cough or excessive airway pressure.

### Indications for use

For use as a one-way speaking valve for the Montgomery® Tracheal Cannula.



### FEATURES

- Easy-to-use and durable
- Low resistance to inspired airflow
- Exclusive cough-release feature
- 2 models to choose from

### Product Codes

SIZE	REF	
	Silicone Valve	MGP Valve
4	350401	350402
6	350601	350602
8	350801	350802
10	351001	351002



# LARYNGEAL AND ESOPHAGEAL PRODUCTS



**Innovation, quality and service that define today's Gold Standards.**

The **Montgomery® Laryngeal Stent** is a molded silicone prosthesis designed to conform to the normal endolaryngeal surface. The stent may be utilized as a direct support for intralaryngeal mucosal or dermal grafts to denuded areas of the endolarynx. The **Montgomery® Laryngeal Keel**, with its unique umbrella shape, has proven useful in the repair of anterior subglottic stenosis (web), with or without vocal cord paralysis.

Use of the **Montgomery® Salivary Bypass Tube** following surgery has successfully prevented fistulae occurrence, as well as repair of existing cervical esophageal and hypopharyngeal fistulae. The unique superior funnel shape of the **Har-EI Pharyngeal Tube** is designed for anchoring at the level of the tongue base. The **Montgomery® Esophageal Tube** is used to bridge the gap between the pharyngostome and esophagostome following laryngoesophagectomy and first stage reconstruction of the cervical esophagus.



*from physicians  
for physicians*

**William W. Montgomery, M.D.**  
1923 - 2003

# LARYNGEAL AND ESOPHAGEAL PRODUCTS



## MONTGOMERY® LARYNGEAL STENT

### Description

The Montgomery® Laryngeal Stent is a molded silicone prosthesis designed to conform to the normal endolaryngeal surface. The stent is constructed of radiopaque implant grade silicone that is firm enough to support the endolarynx postoperatively, yet is soft and flexible enough to ensure a conforming fit while minimizing injury to soft tissues.

The stent may be utilized as a direct support for intralaryngeal mucosal or dermal grafts to denuded areas of the endolarynx. Each Montgomery® Laryngeal Stent includes two silicone suture buttons to support the stent externally.

### Indications for use

For the prevention and treatment of laryngeal stenosis when the glottic stenosis involves the midglottis, posterior glottis, supraglottis, and subglottis, singularly or in combination.

### Supplied

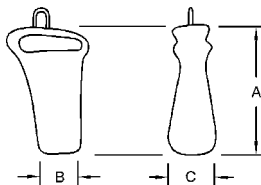
Sterile

1 stent, 2 suture buttons



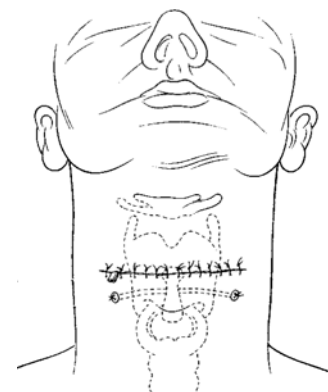
### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Integral removal loop
- Radiopaque material



### Dimensions, Product Codes, & Accessories

SIZE	REF	Dimensions (mm)			REF
		A	B	C	
Child	323010	33	10	9	323011
Small Adult	323020	37	10	11	323011
Medium Adult	323025	40	12	10	323011
Large Adult	323030	47	15	16	323011



# LARYNGEAL AND ESOPHAGEAL PRODUCTS



## MONTGOMERY® LARYNGEAL KEEL

### Description

The Montgomery® Laryngeal Keel, with its unique umbrella shape, has proven useful in the repair of anterior subglottic stenosis (web), with or without vocal cord paralysis. Use of the keel can be made following repair of stenosis or following removal of the Montgomery® Laryngeal Stent to aid in formation of a sharp anterior commissure.

The keel also has application following hemilaryngectomy to prevent stenosis. The intralaryngeal extension of the keel is thinner than the umbrella of the extralaryngeal portion. The extralaryngeal portion, when secured to thyroid laminae with a figure-of-eight suture, covers the thyrotomy repair with its umbrella. Tightly secured, the keel prevents stenosis and the migration of granulation tissue into the larynx.

The keel is made of soft implant grade silicone (clear or radiopaque) and is available in three sizes.

### Indications for use

Repair of anterior glottic stenosis.

Formation of a sharp anterior commissure following laryngeal stent removal.

Prevention of stenosis following hemilaryngectomy.

### Supplied

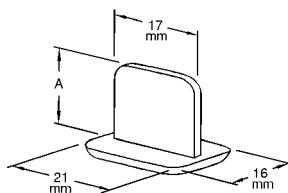
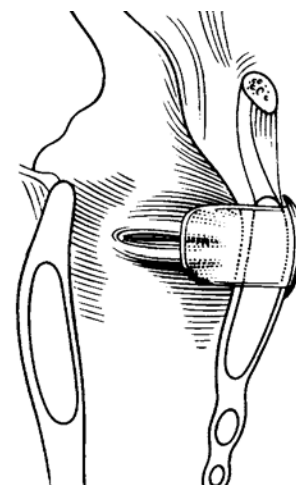
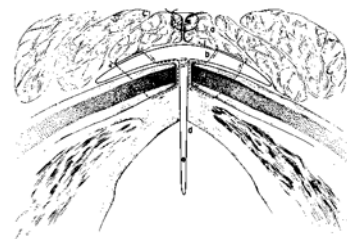
Sterile

1 keel



### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Available in clear or radiopaque material



### Dimensions & Product Codes

SIZE	REF		Dimensions (mm)
	clear	radiopaque	
12	323040	323040R	A
14	323050	323050R	14
16	323060	323060R	16

# LARYNGEAL AND ESOPHAGEAL PRODUCTS



## MONTGOMERY® SALIVARY BYPASS TUBE

### Description

The Montgomery® Salivary Bypass Tube may be used to stent repair of cervical esophageal and hypopharyngeal strictures or to facilitate the management of fistulae resulting from a variety of causes including advanced malignancy, surgery, radiation, trauma, and caustic ingestion. The constant bathing by saliva to the tissues altered by surgery, infection, or radiation therapy is a prime factor in retarding the progress of healing and fistula closure.

The Montgomery® Salivary Bypass Tube directs the saliva into the distal esophagus and allows for spontaneous closure of the fistula, or at least permits the tissue to recover sufficiently to be an improved recipient for more formidable measures such as repair using pedicled skin flap tissue. A feeding tube may be inserted through the salivary bypass tube. Impending fistulae and strictures may be prevented by tube placement alone or following bougienage dilation.

### Indications for use

Repair of cervical esophageal and hypopharyngeal strictures.  
Management of esophageal and hypopharyngeal fistulae.

### Supplied

Sterile  
1 tube



### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Available in clear or radiopaque material



### Dimensions & Product Codes

SIZE	REF		Dimensions (mm)		
	clear	radiopaque	A	B	C
8	322080	322080R	34	191	8
10	322100	322100R	36	191	10
12	322120	322120R	38	191	12
14	322140	322140R	40	191	14
16	322160	322160R	42	191	16
18	322180	322180R	44	191	18
20	322200	322200R	46	191	20

# LARYNGEAL AND ESOPHAGEAL PRODUCTS



## HAR-EL PHARYNGEAL TUBE

### Description

The Har-El Pharyngeal Salivary Bypass Tube allows the surgeon to handle a wider variety of indications for treatment of esophageal fistulae. The tube features a unique superior funnel shape designed for anchoring at the level of the tongue base.

The tube has applications for: 1) the treatment of orocutaneous and pharyngocutaneous fistulae following head and neck oncologic resection, 2) placement in patients with an existing fistula prior to reconstructive procedures, and, 3) prophylactic placement in patients who are at high risk for development of a fistula.

### Indications for use

Treatment of esophageal fistulae.

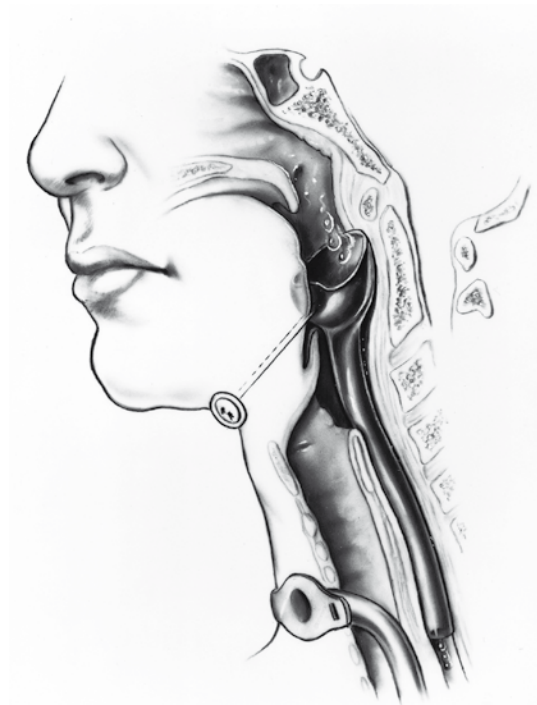
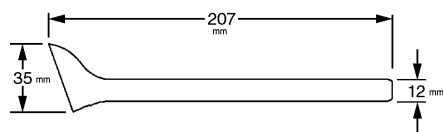
### Supplied

Sterile  
1 tube



### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Available in clear or radiopaque material



### Product Codes

SIZE	REF	
	clear	radiopaque
12	355120	355120R

# LARYNGEAL AND ESOPHAGEAL PRODUCTS



## MONTGOMERY® ESOPHAGEAL TUBE

### Description

The Montgomery® Esophageal Tube is used to bridge the gap between the pharyngostome and esophagostome following laryngoesophagectomy and first stage reconstruction of the cervical esophagus. The tube features a funnel-shaped superior end to conform to the hypopharynx, and two firm oval bands designed to ensure proper positioning and to prevent leakage of saliva after laryngoesophagectomy.

The Montgomery® Esophageal Tube has three functions: 1) it tends to eliminate the problem of profuse salivary leakage by way of the pharyngostome, 2) it maintains a widely patent pharyngostome and esophagostome, and, 3) it creates a trough between the pharyngostome and esophagostome facilitating the second stage procedure.

### Indications for use

For two-stage reconstruction of the cervical esophagus.

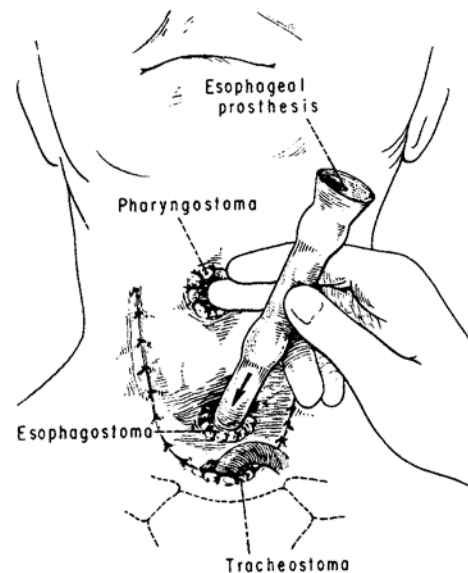
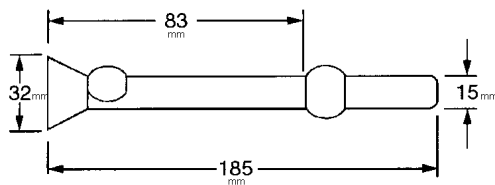
### Supplied

Sterile  
1 tube



### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Available in clear or radiopaque material



### Product Codes

REF	
clear	radiopaque
322000	322000R

# MONTGOMERY® THYROPLASTY IMPLANT SYSTEM

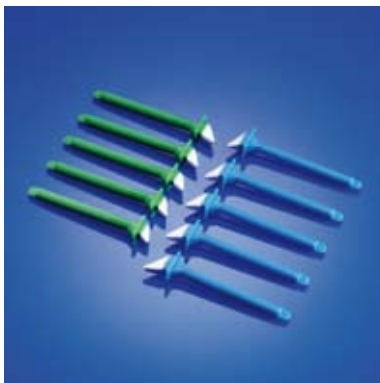
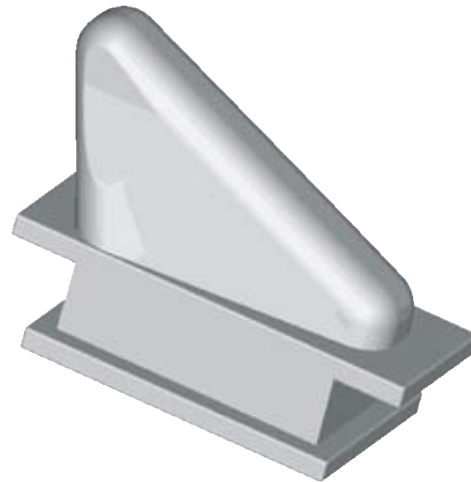


The **Montgomery® Thyroplasty Implant System** is the result of over a decade of research and development.

Designed to treat unilateral vocal cord paralysis, this revolutionary new system is standardized, eliminating the time-consuming process of customizing implants at the time of surgery. Standardization translates to consistent results. Solid clinical experience involving thousands of patients has produced outstanding voice improvement while reducing long procedures and complications associated with hand-carved implants and injection techniques.

### Indications for use

For medialization thyroplasty in patients with unilateral vocal cord paralysis to improve voice quality.



### FEATURES

- Complete standardized system
- Eliminates need to hand-fashion implants
- Self-retaining implant design
- No suturing is necessary
- Reduced trauma and surgery time
- Reversible
- Proven clinical success



# MONTGOMERY® THYROPLASTY IMPLANT SYSTEM



## THE DESIGN

The system consists of specially designed surgical instruments, devices for measuring medialization distance prior to implant insertion, and a range of five implant sizes for female patients and five sizes for males. The implants are constructed using implant grade silicone which has undergone extensive biocompatibility testing.

The surgical procedure has been fine-tuned and involves a step-by-step process for locating the thyroplasty window, creating the window, determining implant size, and inserting the implant. The procedure reduces surgery time and is completely reversible. [A procedural CD demonstrating the surgical procedure is available.](#)

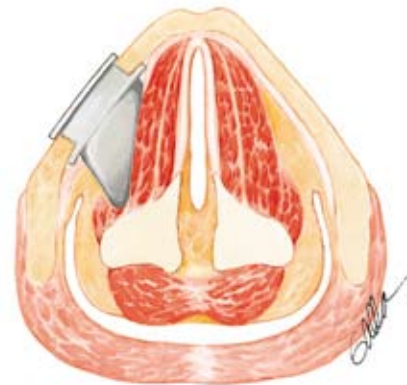
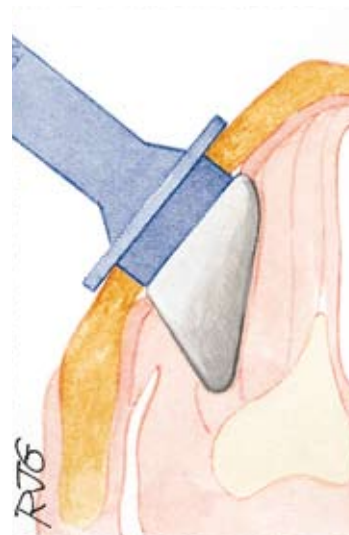
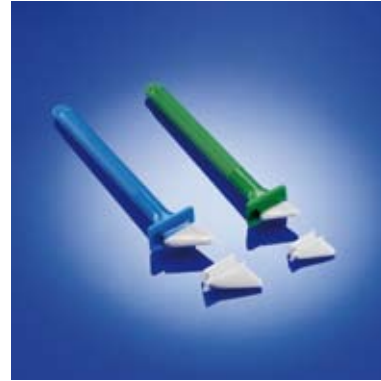
The unique design of the Montgomery® Thyroplasty Implant consists of two major components: the rectangular base and the triangular top. The base is constructed of firm silicone and features three tiers. The lateral, or outer tier, remains on the outer surface of the thyroid lamina and prevents medial displacement of the implant. The middle tier stabilizes the implant and prevents rotation. The inner tier rests against the inner surface of the thyroid lamina and prevents outward displacement. There is a common base for females and a common base for males.

The triangular portion is made using soft silicone and serves to medialize the vocal cord and the vocal process of the arytenoid. The hypotenuse of the triangle corresponds to the long axis of the vocal cord. The height of the triangle is measured in millimeters and is available in 6, 7, 8, 9, and 10 mm for females and 8, 9, 10, 11, and 12 mm for males.

Special measuring devices have been designed to accurately simulate vocal cord medialization eliminating the need to insert and replace multiple implants. This results in less trauma to the patient and reduced surgery time. The disposable set includes all five sizes to correspond to the implants and is available in both female and male kits.

Custom surgical instruments to facilitate locating, designing, and creating the window and inserting the implant are available individually, or as a complete 13-piece set with sterilization tray.

A Single Procedure Kit is now available and includes everything you need to perform one thyroplasty procedure. We will send you a complete instrument set, measuring kit, and five implants. After performing the case, simply send back the instruments and unused implants in the convenient supplied container. Boston Medical Products now makes it even easier to use the Montgomery Thyroplasty Implant System!





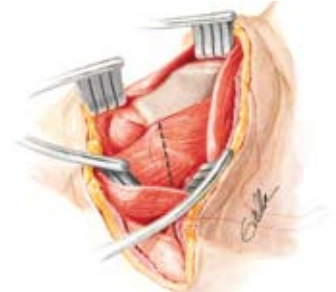
# MONTGOMERY<sup>®</sup> THYROPLASTY IMPLANT SYSTEM

## THE PROCEDURE

The Montgomery<sup>®</sup> Thyroplasty Implant System procedure has been standardized and refined through years of research and development. The following illustrations summarize the basic steps in performing the procedure. For detailed instructions, refer to the Montgomery<sup>®</sup> Thyroplasty Implant System Surgeon's Implant Guide.



a. Prep and Drape



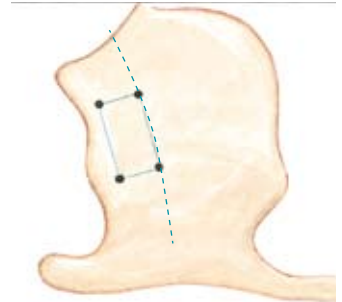
b. Expose Thyroid Cartilage



c. Locate key point after having defined a connecting line



d. Apply Outline Instrument on the key point



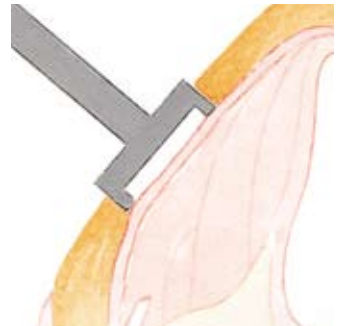
e. Window Outline



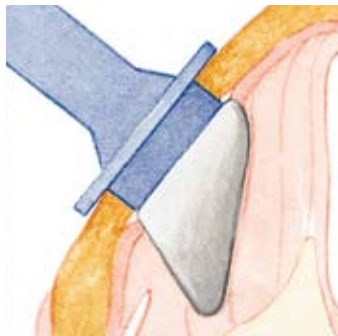
f. Create Window



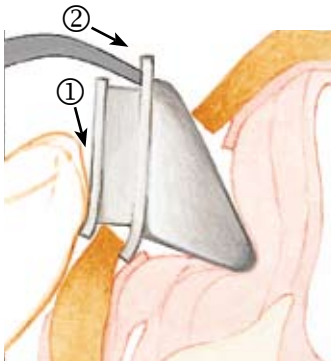
g. Remove Cartilage



h. Confirm Window Size



i. Apply Measuring Devices



j. Insert Implant with implant inserter



k. Implant in Place

# SYSTEM OPTIONS



## OPTION 1 - INDIVIDUAL SYSTEM COMPONENTS

Montgomery® Thyroplasty Implants, supplied sterile, one implant per carton.

REF		REF	
MTF-06	Female Size 6	MTM-08	Male Size 8
MTF-07	Female Size 7	MTM-09	Male Size 9
MTF-08	Female Size 8	MTM-10	Male Size 10
MTF-09	Female Size 9	MTM-11	Male Size 11
MTF-10	Female Size 10	MTM-12	Male Size 12

16-Implant Dispenser Sets, contains 16 implants. Significant savings over purchasing individual implants.

REF	
MTC-01	Male and Female Combination Implant Set, contains 16 implants: 1 ea. female sizes 6,7 / 2 ea. female sizes 8,9,10 1 ea. male sizes 8,9 / 2 ea. male sizes 10,11,12
MTF-01	Female Implant Set, contains 16 implants: 2 ea. female sizes 6,7 / 4 ea. female sizes 8,9,10
MTM-01	Male Implant Set, contains 16 implants: 2 ea. male sizes 8,9 / 4 ea. male sizes 10,11,12

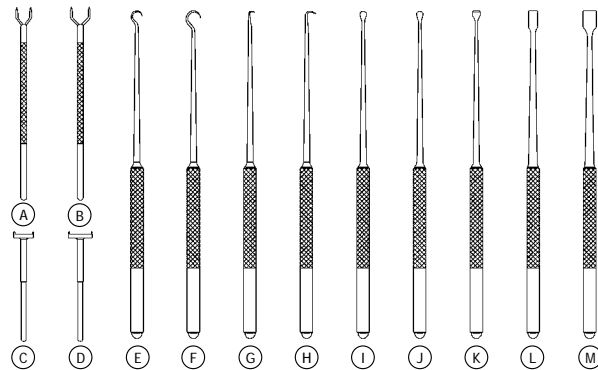
Montgomery® Thyroplasty Measuring Device Kits Supplied sterile, disposable. Kits include one of each size measuring device (5 sizes per kit).

REF	
MT-300	Female Measuring Device Kit
MT-400	Male Measuring Device Kit

Montgomery® Thyroplasty Surgical Instruments, supplied non sterile.

REF	
MT-201	(A) 7 mm Female Window Caliper
MT-202	(B) 9 mm Male Window Caliper
MT-203	(C) Female Window Outline Instrument
MT-204	(D) Male Window Outline Instrument
MT-205	(E) Small Curved Hook
MT-206	(F) Large Curved Hook
MT-207	(G) Small Sharp Hook
MT-208	(H) Large Sharp Hook
MT-209	(I) 3 mm Duckbill Elevator
MT-210	(J) 5 mm Duckbill Elevator
MT-211	(K) Chisel Elevator
MT-212	(L) Female Implant Inserter
MT-213	(M) Male Implant Inserter

REF	
MT-200	13-piece Surgical Instruments Set with Custom Sterilization Tray



## OPTION 2 - SINGLE PROCEDURE THYROPLASTY KIT

A cost-effective and convenient option designed for surgeons who perform a limited number of thyroplasty procedures. Choose either a female or male kit. Boston Medical Products will send you the complete 13-piece instrument set in sterilization tray, one disposable measuring device kit, and five thyroplasty implants. Following the surgery, simply return the instrument set and four unused implants.

Montgomery® Thyroplasty Single Procedure Kit

REF		REF	
MT-SPF	Female Single Procedure Kit	MT-SPM	Male Single Procedure Kit

## OPTION 3 - MULTIPLE PROCEDURE THYROPLASTY KIT

Designed for surgeons or facilities performing multiple thyroplasty procedures annually.

Montgomery® Thyroplasty Multiple Procedure Kit

REF	
MT-MP	Thyroplasty Multiple Procedure Kit, includes: 1 ea. MT-200 13-piece Surgical Instrument Set with Custom Sterilization Tray 4 ea. MT-300 Female Measuring Device Kits 4 ea. MT-400 Male Measuring Device Kits 1 ea. MTC-01 Male and Female Combination Implant Set (16 implants)



## MOORE TRACHEOSTOMY TUBE

### Description

The Moore Tracheostomy Tube is a flexible tracheostomy tube designed to conform to individual anatomies while providing patient comfort. Constructed of radiopaque implant grade silicone, the tube offers a physiological inertness and nonwetting surface to aid in reducing incrustation and clotting. The standard long length can be trimmed for individual applications.

The Moore Tracheostomy Tube is designed to maintain an adequate airway while providing support in the stenotic cervical or thoracic trachea. The tube is supplied sterile and includes the outer tube, obturator, plain inner cannula, 15 mm inner cannula, and neck strap.

### Indications for use

- To provide a secondary airway.
- To support a reconstructed trachea.
- To support a reconstituted trachea.
- Segmental resection and anastomosis.
- To support intrathoracic tracheal stenosis.
- Tracheal stenosis when the cervical or thoracic trachea cannot be repaired.

### Supplied

Sterile

1 tube set and neck strap per carton



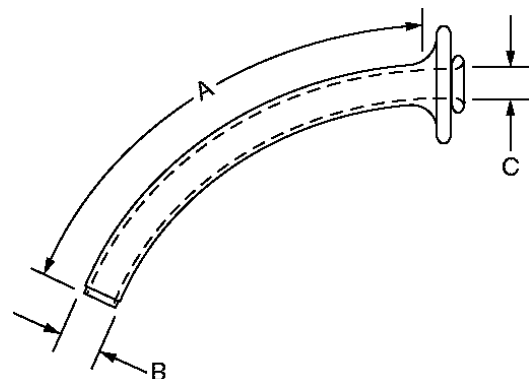
### FEATURES

- Implant grade silicone
- Non-adherent smooth surface
- Extra-long standard length
- Radiopaque color for maximum visualization

New size ✓

### Dimensions & Product Codes

SIZE	REF	Dimensions (mm)		
		A	B	C
6	MTT-006	115	11	6.5
8	MTT-008	115	12	7.5
10	MTT-010	115	13	8.5





## SINGER LARYNGECTOMY TUBE

### Description

The Singer Laryngectomy Tube is a flexible silicone tracheostomy tube designed to maintain the tracheostoma following laryngectomy surgery. The tube can also be used to prevent tracheostoma stenosis for the laryngectomy patient on a longer-term basis.

Available in 28 sizes, each tube is supplied sterile and features flange slots to accommodate a neck strap or trach tape. The unique flange design of the Singer Laryngectomy Tube covers a wider surface area and helps keep trach tape and holders away from the healing tracheostoma.

### Indications for use

To maintain patency of the tracheostoma following laryngectomy.

### Supplied

Sterile

1 tube per carton

Includes adjustable neck strap.

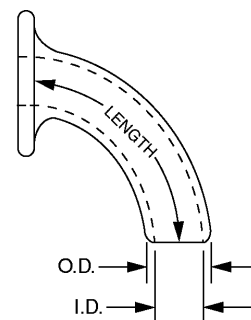


### FEATURES

- Unique flange design
- Large size range to choose from
- Implant grade silicone
- Non-adherent smooth surface

### Dimensions & Product Codes

SIZE	Diameter (mm)		Length (mm)			
	O.D.	I.D.	18	27	36	55
8	12.0	9.5	SLT-0818	SLT-0827	SLT-0836	SLT-0855
9	13.5	10.5	SLT-0918	SLT-0927	SLT-0936	SLT-0955
10	15.0	12.0	SLT-1018	SLT-1027	SLT-1036	SLT-1055
11	16.0	13.0	SLT-1118	SLT-1127	SLT-1136	SLT-1155
12	17.0	13.5	SLT-1218	SLT-1227	SLT-1236	SLT-1255
14	20.0	16.5	SLT-1418	SLT-1427	SLT-1436	SLT-1455
16	24.0	20.5	SLT-1618	SLT-1627	SLT-1636	SLT-1655



## MONTGOMERY® TRACHEOSTOMY SPEAKING VALVE

### Description

The Montgomery® Tracheostomy Speaking Valve is designed to allow tracheostomy patients to vocalize without the need for finger occlusion. The valve provides one-way airflow using a thin silicone diaphragm that opens on inspiration and closes on expiration. An exclusive feature of this valve is a "cough-release" mechanism, eliminating valve or tube dislodgment as a result of coughing or excessive airway pressure.

### Indications for use

For use as a one-way speaking valve on a tracheostomy tube.

### Supplied

Non-sterile

1 speaking valve per carton (221201)

2 speaking valves per carton (221202)

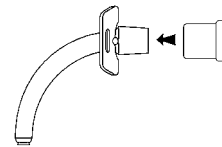
### Product Codes

REF	
221201	Montgomery® Speaking Valve, Single Pack
221202	Montgomery® Speaking Valve, Double Pack



### FEATURES

- Easy to use and maintain
- Low resistance to inspired airflow
- Exclusive cough-release feature



## MONTGOMERY® VENTRACH™ SPEAKING VALVE

### Description

The VENTRACH™ Speaking Valve is designed to offer ventilator-dependent, tracheostomized patients the opportunity to speak during inspiration and expiration without interruption. The valve is placed in-line between the tracheostomy tube and the ventilator and features a low-resistant diaphragm.

### Indications for use

For use as a one-way speaking valve between a tracheostomy tube (15 mm) and ventilation equipment (22 mm).

### Supplied

Non-sterile

1 speaking valve per carton

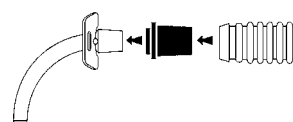
### Product Code

REF	
221401	VENTRACH™ Speaking Valve, Single Pack



### FEATURES

- Low resistance to inspired airflow
- Green color for increased visibility inline





## INFORMATION

Please refer to our

- **Montgomery® Tracheal Cannula System Catalog**
  - **Tracheostomy Product Catalog**
  - **Montgomery® Safe-T-Tube™ Catalog**
- for detailed information about other products for tracheostomy care.

Please call Customer Service for your copy.



## MONTGOMERY® SAFE-T-TUBE™ SERIES

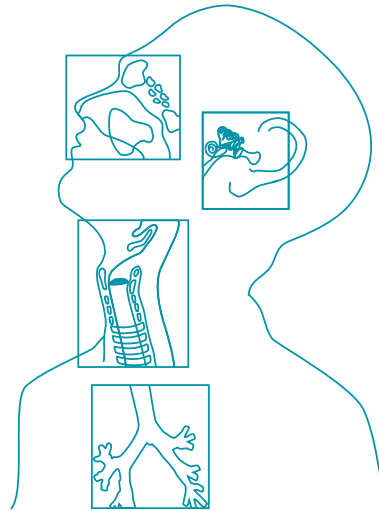
The Montgomery® Safe-T-Tube™ is designed to maintain an adequate airway as well as to provide support in the stenotic trachea that has been reconstituted or reconstructed. Our exclusive design of ridges and grooves along the extraluminal limb of the tube allows a ring washer to be attached, significantly reducing the possibility of accidental posterior displacement.

The Montgomery® Safe-T-Tube™ is available in five styles

- **Pediatric**
- **Standard**
- **Thoracic**
- **Extra-long**
- **Tapered**

in both clear and radiopaque models. Safe-T-Tubes™ are easy to insert, suction and remove, and can be used with anesthesia. Speaking valves to facilitate vocalization are also available. Shortened limbs can be ordered directly from our facility at no additional charge.

In addition, we offer the 4500 Series Hebel Safe-T-Tube™, featuring an internal balloon system for adjustable airflow, and the 8200 Series HMS System™, a complete laryngotracheal repair system with inner cannula.





## OTOCELL® EAR WICKS

### Description

OTOCELL® Ear Wicks are constructed of a unique medical grade sponge material. The wicks are supplied fully compressed for ease of insertion. The material will expand as fluid is introduced, giving the surgeon time for accurate positioning. OTOCELL® Ear Wicks are available in 8 mm diameter and two lengths (15 mm and 24 mm), with or without fenestration.

### Indications for use

For use in the treatment of otitis externa.

### Supplied

Sterile

50 wicks per dispenser carton

(1 wick per pouch, 50 pouches per carton)



### FEATURES

- Lint and fiber-free sponge material
- Superior liquid absorption and wicking
- Supplied compressed for ease of insertion
- Extremely soft and pliable cell structure

### Product Codes

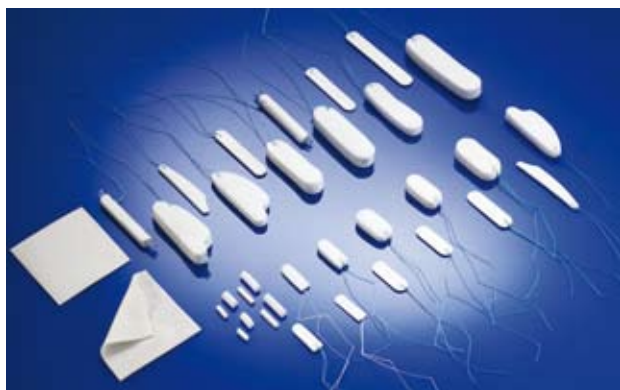
SIZE	REF	
	not fenestrated	fenestrated
15 mm	EW-0815	EW-0815F
24 mm	EW-0824	EW-0824F



OTOCELL® Ear Wick, not fenestrated



OTOCELL® Ear Wick, fenestrated



**NEW**  
Improved Quality

More sponge products are available.

Contact us for your copy of our catalog with RHINOCELL® PVA sponges for Rhinology.



## OTOCCELL® INSTRUMENT WIPES

### Description

OTOCCELL® Instrument Wipes are 3.25" x 3.25" sheets made of a unique medical grade sponge material. The lint and fiber free material is used for intraoperative removal of debris from delicate optics or instruments which will not snag on its smooth surface. Microsurgical instruments used in tympanoplasty and stapedioplasty can be cleaned safely and efficiently without a risk of introducing any fiber into the sensitive middle ear area.

### Indications for use

For intraoperative cleaning of delicate instruments.

### Supplied

Sterile  
20 wipes per dispenser carton  
(1 wipe per pouch)



### Dimensions & Product Codes

REF	Dimensions (cm)		
	Thickness	Length	Width
WP-881	0.1	8.25	8.25
WP-882	0.2	8.25	8.25

### FEATURES

- Lint and fiber-free sponge material
- Superior liquid absorption and wicking
- Supplied compressed for ease of insertion
- Extremely soft and pliable cell structure

New ✓

## OTOLOGICAL SILICONE STRIPS

### Description

Silicone Strips, made of medical grade silicone, are used in the process of packing the external auditory canal following surgical procedures such as tympanoplasty or stapedectomy. The strips are intended for temporary use (up to 30 days) and have rounded edges to minimize the risk of trauma to the auditory canal. They can be moistened prior to use using sterile saline solution. The blue color of the strips aids in visualization during removal.

### Indications for use

For use as a temporary dressing in the external auditory canal following surgery.

### Supplied

Sterile  
30 strips per carton  
(3 strips / pouch, 10 pouches / carton)



### Dimensions & Product Codes

REF	Dimensions (mm)		
	Thickness	Length	Width
SS-4506B	0.12	45	6

### FEATURES

- Thin, soft and pliable material
- Economical pre-cut strips
- Non-adherent material
- Transparent blue color for increased visualization



# OTOLOGY PRODUCTS

## OTOSILK™ OTOLOGICAL STRIPS

### Description

OTOSILK™ Otolological Strips are used in the process of packing the external auditory canal following surgical procedures such as tympanoplasty or stapedectomy. The strips can be moistened prior to use using either sterile saline or medication solution. The blue color of the strips aids in visualization during removal. The ends of the OTOSILK™ strips have been heat-sealed to prevent unraveling or shedding.

### Indications for use

For use as a temporary dressing in the external auditory canal following surgery.

### Supplied

Sterile

200 strips per carton

(10 strips / pouch, 20 pouches / dispenser carton)

### Dimensions & Product Codes

REF	Dimensions (mm)	
	Length	Width
OT-17510	45	6.5
OT-16610	45	4



### FEATURES

- Convenient, economical pre-cut strips
- Non-adherent material
- Blue color for increased visualization
- Heat-sealed edges

## OTOSILK™ GRAFT DRESSING

### Description

The OTOSILK™ Graft Dressing is a 10 x 15 cm sheet of blue, nonadherent material for use as a carrier for split thickness skin grafts placed in the external auditory canal. The graft is placed on the dressing and trimmed to the desired size and shape. The dressing and graft combination is then placed in the canal. Following the healing process, the graft dressing is removed, leaving the newly healed graft in position.

### Indications for use

For use as a temporary dressing in the external auditory canal following surgery.

### Supplied

Sterile

10 dressings per carton

(1 dressing/sterile pouch; 10 pouches/dispenser carton)



### FEATURES

- 10 x 15 cm sheet, easily trimmed
- Non-adherent material
- Blue color for increased visualization

### Product Code

REF	
OT-4601	OTOSILK™ Graft Dressing



## DOYLE EAR DRESSING

### Description

The patented Doyle Ear Dressing is a postoperative ear dressing used to protect the external ear following surgery. The unique anatomical shape provides for a better fit and increased comfort. The plastic ear cup protects the external ear area while small openings provide ventilation. The soft fabric strap is color-coordinated and fully adjustable.

Doyle Ear Dressings are available for both adult and pediatric patients. Adult models are available in natural and blue colors. Pediatric models are available in natural, blue, green, orange, and pink colors. A pediatric assorted pack is also available containing one green, one orange, two blue, and two pink dressings.

Each Doyle Ear Dressing contains an ear cup with integral foam pad, color-coordinated adjustable strap, anatomically shaped non-adherent dressing, gauze fluff, adhesive pads, and cotton balls. Pediatric dressings include fun stickers that can be applied to the ear cup for decoration.

### Indications for use

For use as an external ear dressing following internal and/or external ear surgery.

### Supplied

6 dressings per carton  
(1 ear dressing per sterile pouch, 6 pouches per dispenser carton)

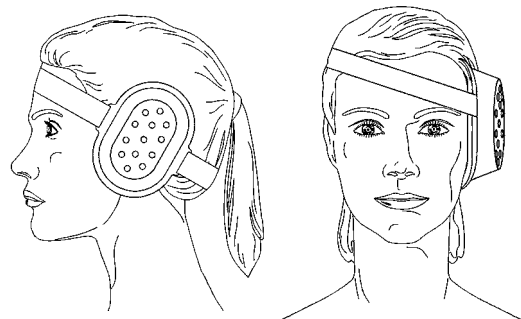


### FEATURES

- Patented anatomical design
- Comfortable, adjustable strap
- All accessories included
- 4 fun colors and stickers for children
- Adult models in natural or blue

### Product Codes

REF	
50-401N	adult, natural
50-401B	adult, blue
50-402N	pediatric, natural
50-402B	pediatric, blue
50-402G	pediatric, green
50-402R	pediatric, orange
50-402P	pediatric, pink
50-402A	pediatric, assorted pack (2 ea. blue, 2 ea. pink, 1 ea. green, 1 ea. orange)



# RHINOLOGY PRODUCTS



## RHINOLOGY PRODUCTS

Superior solutions for superior patient care.

The **Doyle Combo Splint** is an exclusive hybrid airway splint, combining the benefits of the original airway splint with the expandability and comfort of sponge.

The **Doyle Open Lumen Splint** addresses the problem of potential closure of the airway lumen by a hypertrophied turbinate. We also offer the original **Nasal Airway Splint**, designed to provide septal support and allow nasal breathing. The new **Intranasal Splint INS** provides soft and flexible support of the septum.

Our **Nasal Septal Button** provides nonsurgical closure of nasal perforations.

**Bivalve Nasal Splints** are available in two sizes and two thicknesses, and feature slits and suture holes for ease of placement.

The **Custom Nasal Splints** allow the surgeon to create any size and shape splint at the time of surgery.

The **Salman FES Stent** has a proven track record of success for helping prevent common complications associated with FES surgery.

**RHINOCELL®** Nasal, Sinus, and Epistaxis Packs are constructed of a unique sponge material, providing a smooth surface maximizing comfort while minimizing tissue ingrowth. The high tensile strength of the sponge prevents shedding or tearing. The packs are supplied compressed for ease of insertion and will expand as fluid comes in contact.

In addition to RHINOCELL® Epistaxis Packs, we offer a line of **Epistaxis Catheters**, providing adjustable control of anterior and posterior epistaxis using inflatable balloons.



More sponge products are available.

Contact us for your copy of our catalog with OTOCELL® PVA sponges for Otolaryngology.



## DOYLE COMBO SPLINT

### Description

The Doyle Combo Splint combines all the benefits of the original nasal airway splint with the expandability and comfort of sponge. This patented device is designed for use postoperatively following a septal and/or turbinate procedure. Our exclusive RHINOCELL® sponge portion expands after introduction of fluid and provides a snug yet comfortable fit. The silicone splint portion serves to stabilize the septum while providing an airway through the integral tube.

### Indications for use

To maintain a nasal airway while providing septal support following surgery.

### Supplied

Sterile

10 splints per dispenser carton

(1 pair per pouch, 5 pairs per carton)

### Product Code

REF	
60-202	Doyle Combo Splint



### FEATURES

- Dual-purpose patented design
- Superior liquid absorption and wicking
- Integral airway and suture holes

## NASAL AIRWAY SPLINT

### Description

The Nasal Airway Splint is designed to provide septal support and allow nasal breathing post-operatively through the integral airway. The flexible splints can be sutured through the preformed holes in the anterior tips for stabilization. Material is clear medical-grade silicone.

### Indications for use

To maintain a nasal airway while providing support following surgery.

### Supplied

Sterile

10 splints per dispenser carton

(1 pair per pouch, 5 pairs per carton)

### Product Code

REF	
60-201	Nasal Airway Splint



### FEATURES

- Clear medical grade silicone
- Integral airway
- Can be trimmed prior to insertion



## DOYLE OPEN LUMEN SPLINT

### Description

The Doyle Open Lumen Splint is designed to keep the nasal airway patent while maintaining support of the septum. This patented device, designed for use postoperatively following a septal and/or turbinate procedure, addresses the problem of potential closure of the lumen by a hypertrophied turbinate. Made from medical grade silicone, the stent includes suture holes. The curved portion of the open lumen design encompasses the inferior aspect of the turbinate to maintain natural airflow.

### Indications for use

To maintain a nasal airway while providing septal support following surgery.

### Supplied

Sterile

10 splints per dispenser carton  
(1 pair per pouch, 5 pairs per carton)

### Product Code

REF	Description
60-203	Doyle Open Lumen Splint



### FEATURES

- Patented open lumen design
- Provides increased airflow
- Includes suture holes

New ✓

## INTRANASAL SPLINT INS

### Description

The Intranasal Splint INS is designed to support the nasal septum and to minimise the adhesion risk between septum and lateral nasal wall following septoplasty or septorhinoplasty. Made from particularly soft and flexible medical grade silicone, the Intranasal Splint INS is atraumatic and very comfortable for the patient. Two designs are available: Soft and extra-soft. The splints can be sutured through the preformed holes in the anterior tips for stabilization.

### Indications for use

To provide septal support following surgery.

### Supplied

Sterile, 10 splints per dispenser carton  
(1pair per pouch, 5 pairs per carton)

### Product Codes

REF	Description	Type
60-204	Intranasal Splint INS	soft
60-204L	Intranasal Splint INS	extra-soft



### FEATURES

- Soft and flexible material
- Includes suture holes



## BIVALVE NASAL SPLINT

### Description

The Bivalve Nasal Splint is designed to provide septal support and reduce or prevent adhesions between the septum and lateral nasal wall following surgery. The splint is available in four models: standard or large, 0.25 mm or 0.50 mm thick. All models feature a lengthwise slit to facilitate insertion and removal, and preformed suture holes for stabilization. Made of clear medical grade fluoroplastic that is flexible and non-adherent.

### Indications for use

To provide septal support and reduce or prevent adhesions between the septum and lateral nasal wall following surgery.

### Supplied

Sterile

10 splints per dispenser carton

(1 pair per pouch, 5 pairs per carton)

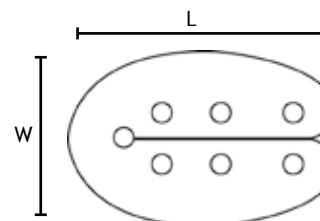


### FEATURES

- Medical grade fluoroplastic material
- Clear color for maximum visualization
- Integral suture holes
- Can be trimmed prior to insertion

### Product Codes & Dimensions

REF	Description	Type	Dimensions (mm)		
			Thickness	Length	Width
60-301	Bivalve Nasal Splint	Standard	0.25	27	42
60-302	Bivalve Nasal Splint	Standard	0.50	27	42
60-303	Bivalve Nasal Splint	Large	0.25	60	38
60-304	Bivalve Nasal Splint	Large	0.50	60	38





## CUSTOM NASAL SPLINT

### Description

The Custom Nasal Splints are designed to be trimmed by the surgeon for custom splinting applications. The splints provide septal support and reduce or prevent adhesions between the septum and lateral nasal wall following surgery. The splints are available in a choice of clear medical grade silicone or fluoroplastic in various thicknesses.

### Indications for use

To provide septal support and reduce or prevent adhesions between the septum and lateral nasal wall following surgery.

### Supplied

Sterile

10 splints per dispenser carton

(1 splint per pouch)

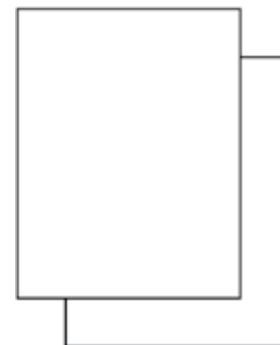


### FEATURES

- Medical grade silicone or fluoroplastic
- Can be trimmed prior to insertion
- 6 models to choose from

### Product Codes & Dimensions

REF	Custom Nasal Splint Dimensions (mm)	Material	Thickness (mm)
60-310	51 x 76	fluoroplastic	0.25
60-311	51 x 76	fluoroplastic	0.50
60-312	51 x 76	Silicone	0.13
60-313	51 x 76	Silicone	0.50
60-314	51 x 76	Silicone	1.0
60-315	51 x 76	Silicone	1.5





## NASAL SEPTAL BUTTON

### Description

The Nasal Septal Button is designed for non-surgical closure of septal perforations. The device is constructed using soft silicone and can be trimmed at the time of placement. Studies have shown that use of a nasal septal button increases nasal respiration while decreasing symptoms of nasal perforations which include epistaxis and crusting. The button features two 3.2 cm diameter flanges connected by a central 7mm diameter post.

### Indications for use

For non-surgical closure of nasal perforations.

### Supplied

Sterile

1 button per carton



### FEATURES

- Soft implant grade silicone
- Can be trimmed prior to insertion



### Product Code

REF	
60-101	Nasal Septal Button, Ø 3.2 cm





## SALMAN FES STENT

### Description

The Salman FES Stent is designed to help prevent potential complications resulting from functional endoscopic sinus surgery (FES). The stent has an oval-shaped base that may be trimmed for different anatomies and is designed to fit between the middle turbinate and lateral nasal wall. The two "fingers" arising from the base are introduced into the maxillary sinus through the middle meatal antrostomy. These "fingers" will prevent dislodgment of the stent, thus eliminating the need for any suturing.

### Indications for use

Prevention of post-operative adhesions.  
Prevention of narrowing or closure of the middle meatal antrostomy.

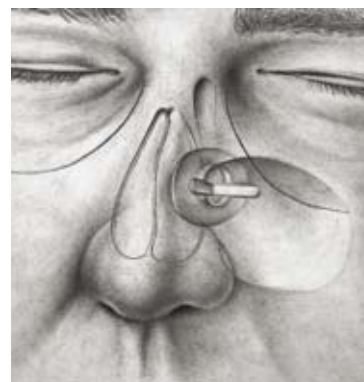
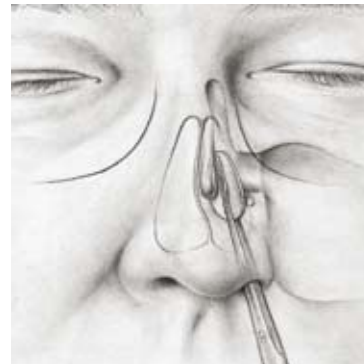
### Supplied

Sterile  
1 stent per carton



### FEATURES

- Medical grade silicone material
- White color for maximum visualization
- Smooth non-adherent surface
- Can be trimmed prior to insertion



### Product Code

REF	
SS2000	Salman FES Stent



## RHINOCELL® SINUS PACKING

### Description

RHINOCELL® Sinus Packs are constructed of a unique sponge material using an exclusive formula. The small cell structure of RHINOCELL® together with a non-stick surface treatment provides a smooth surface, which maximizes comfort while minimizing tissue ingrowth. The high tensile strength of the sponge material prevents shedding or tearing. The packs are supplied compressed for ease of insertion and will expand as fluid is introduced, giving time for accurate positioning.

### Indications for use

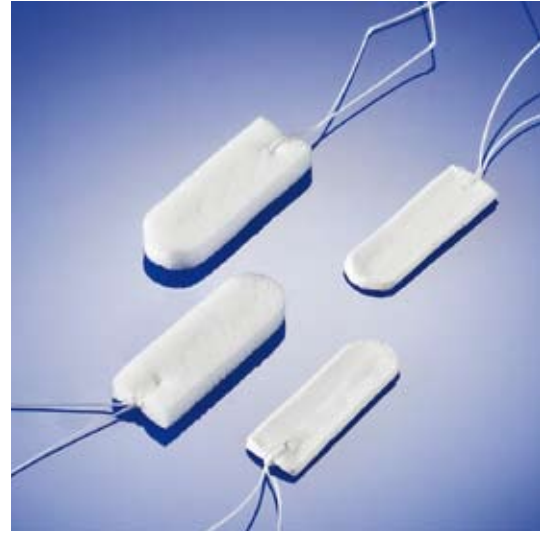
For use as sinus packing.

### Supplied

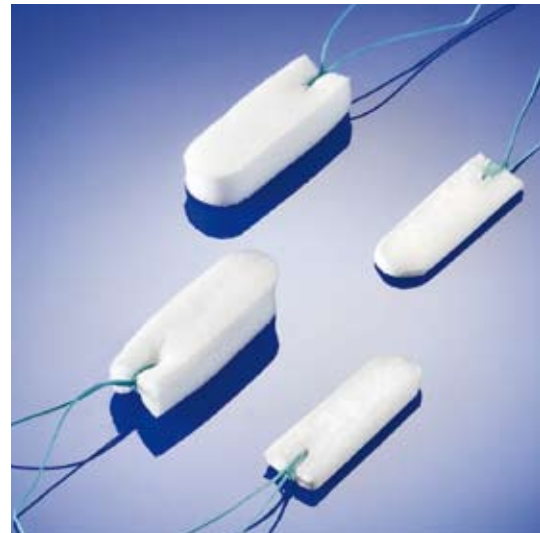
Sterile

20 packs per dispenser carton

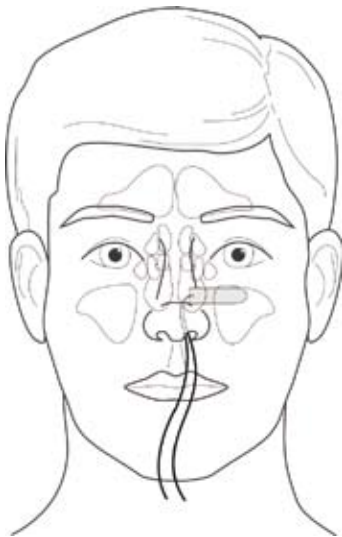
(2 packs per pouch)



SP-350612



SP-350912



### Product Codes & Dimensions

REF	Rhinocell® Sinus Pack
SP-350612	3.5 x 0.6 x 1.2 cm
SP-350912	3.5 x 0.9 x 1.2 cm

### FEATURES

- Biocompatible lint and fiber-free sponge material
- Superior liquid absorption and wicking
- Supplied compressed for ease of insertion
- Extremely soft and pliable cell structure
- Attached lanyard to secure packing



## RHINOCELL® NASAL PACKING

### Description

RHINOCELL® Nasal Packs are constructed of a unique sponge material using an exclusive formula. The small cell structure of RHINOCELL® together with a special surface treatment provides a smooth surface, which maximizes comfort while minimizing tissue ingrowth. The high tensile strength of the sponge material prevents shedding or tearing. The packs are supplied compressed for ease of insertion and will expand as fluid is introduced, giving time for accurate positioning. Available with an integral airway to facilitate nasal airflow during use. All packs are supplied with integral lanyard for securing packing.

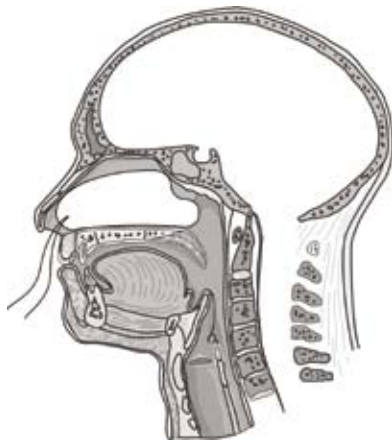
### Indications for use

For use as a general nasal packing.

### Supplied

Sterile

10 packs per dispenser carton, individually pouched



### Nasal Packings, standard



NP-451520



NP-801520



NP-801530

### Nasal Packings, ThinPack

✓ New



TP-451020



TP-801020



TP-801030

### Nasal Packings, with airway



NP-801520A



NP-801530A

### FEATURES

- Biocompatible lint and fiber-free sponge material
- Superior liquid absorption and wicking
- Supplied compressed for ease of insertion
- Extremely soft and pliable cell structure
- Attached lanyard to secure packing

### Product Codes & Dimensions

REF	RHINOCELL® NASAL PACK	
	Dimensions (cm)	Design
NP-451520	4.5 x 1.5 x 2.0	standard
NP-801520	8.0 x 1.5 x 2.0	standard
NP-801530	8.0 x 1.5 x 3.0	standard, anatomical
TP-451020	4.5 x 1.0 x 2.0	ThinPack
TP-801020	8.0 x 1.0 x 2.0	ThinPack
TP-801030	8.0 x 1.0 x 3.0	ThinPack, anatomical
NP-801520A	8.0 x 1.5 x 2.0	with airway
NP-801530A	8.0 x 1.5 x 3.0	with airway, anatomical



## RHINOCELL® EPISTAXIS PACKING

### Description

RHINOCELL® Epistaxis Packs are constructed of a unique sponge material using an exclusive formula designed for rapid and effective treatment of epistaxis. RHINOCELL® Epistaxis Packs provide anterior epistaxis control (EP-551525) and posterior epistaxis control (EP-1001525). The small cell structure of RHINOCELL® provides a smooth surface, which maximizes comfort while minimizing tissue ingrowth. The high tensile strength of the sponge material prevents shedding or tearing. The packs are supplied compressed for ease of insertion and will expand as fluid is introduced, giving time for accurate positioning. All RHINOCELL® Epistaxis Packs are supplied with an integral lanyard to secure dressing to the outside nose.

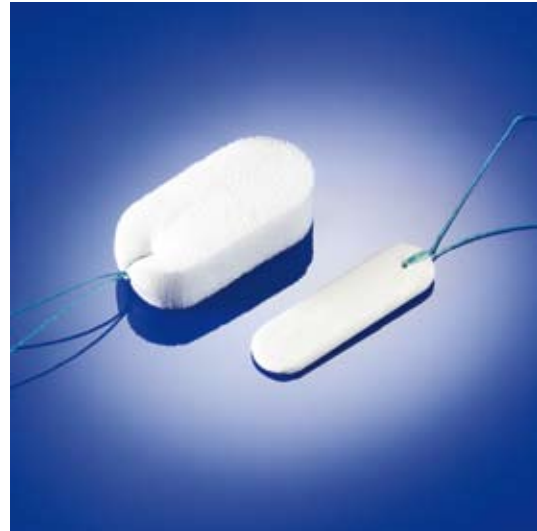
### Indications for use

For use as nasal epistaxis packing.

### Supplied

Sterile

10 packs per dispenser carton, individually pouched



EP-551525



EP-1001525

### FEATURES

- Biocompatible lint and fiber-free sponge material
- Superior liquid absorption and wicking
- Supplied compressed for ease of insertion
- Extremely soft and pliable cell structure
- Attached lanyard to secure packing

### Product Codes & Dimensions

REF	RhinoCell® Epistaxis Pack	
EP-551525	5.5 x 1.5 x 2.5 cm	anterior
EP-1001525	10.0 x 1.5 x 2.5 cm	posterior



## EPI-STOP™ EPISTAXIS CATHETER

### Description

The Epi-Stop™ is a single balloon epistaxis catheter with integral airway designed for both nasal packing and control of anterior nasal bleeds. As a packing, it can be used following septoplasty, rhinoplasty, and other intra-nasal surgical procedures. The included syringe is used to expand the balloon with normal saline. The volume of saline injected determines the ultimate size and pressure of the balloon. The result is a controlled uniform pressure to manage bleeding. The airway tube provides a passage for breathing while the balloon is inflated.

### Indications for use

For control of anterior nasal epistaxis.  
For nasal packing following septoplasty, rhinoplasty, and other intra-nasal surgical procedures.

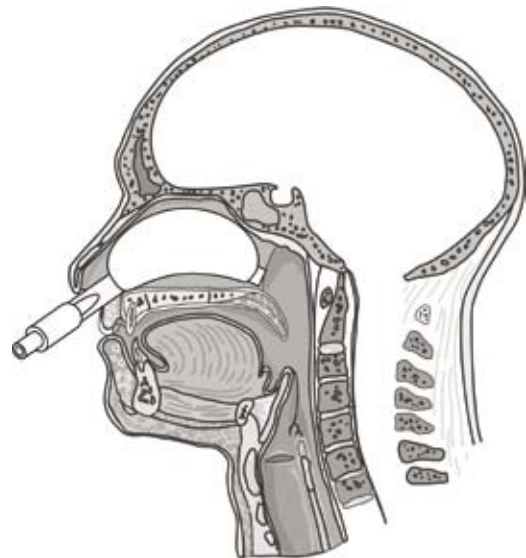
### Supplied

Sterile  
2 catheters per carton,  
(1 pair/pouch)



### FEATURES

- Medical grade silicone with blue tint
- Single balloon with adjustable size and pressure
- Integral airway
- 20cc syringe included



### Product Code

REF	
60-401	EPI-STOP™ Epistaxis Catheter



## EPI-MAX™ EPISTAXIS CATHETER

### Description

The Epi-Max™ is a two-balloon epistaxis catheter designed to control intranasal bleeding. As a nasal packing, it can be used following septoplasty, rhinoplasty, and other intra-nasal surgical procedures. For epistaxis, the smaller balloon controls posterior bleeding, while the larger balloon handles anterior bleeding. The included syringe is used to expand the balloons with normal saline. The volume of saline injected determines the ultimate size and pressure of the balloons. The result is a controlled uniform pressure to manage bleeding. The integral airway tube provides a passage for breathing while the balloons are inflated. Two lengths are available, 97 mm and 120 mm.

### Indications for use

For control of anterior and/or nasal epistaxis.  
For nasal packing following septoplasty, rhinoplasty, and other intra-nasal surgical procedures.

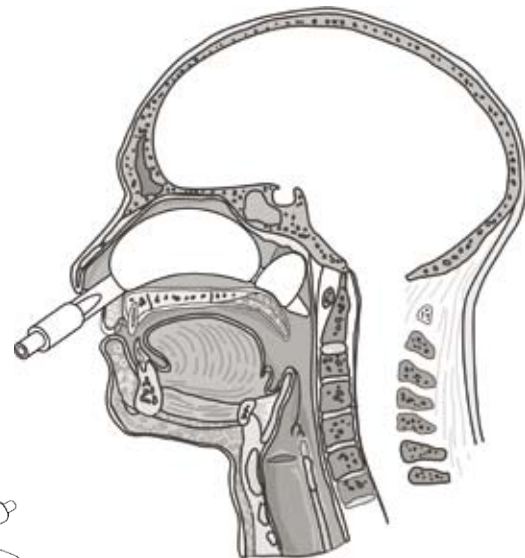
### Supplied

Sterile  
1 catheter per carton

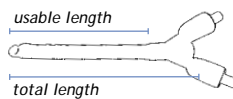


### FEATURES

- Medical grade silicone with blue tint for visualization
- Dual balloons with adjustable size and pressure
- Integral airway
- 20cc syringe included



New size ✓



### Product Codes

REF	Description	total length (mm)	usable length (mm)
60-402	EPI-MAX™ Epistaxis Catheter	97	85
60-402L	EPI-MAX™ Epistaxis Catheter	120	95



## POST-STOP™ EPISTAXIS CATHETER

### Description

The POST-STOP™ is a single balloon epistaxis catheter with an integral suction/irrigation feature designed for control of posterior bleeding. As a packing, it can be used during septoplasty, rhinoplasty, and other intranasal surgical procedures to aid in the control of fluid aspiration. For epistaxis, the smaller balloon controls posterior bleeding. The included syringe is used to expand the balloon with normal saline. The volume of saline injected determines the ultimate size and pressure of the balloon. The result is a controlled uniform pressure to manage bleeding. The multi-port suction/irrigation feature can be used to keep the nasal area clear and to help prevent the catheter from clogging. An internal guide wire is included to help direct the catheter into the posterior chamber and is removed after catheter placement.

### Indications for use

For control of posterior nasal epistaxis.

For posterior nasal packing during surgery to prevent fluid aspiration.

### Supplied

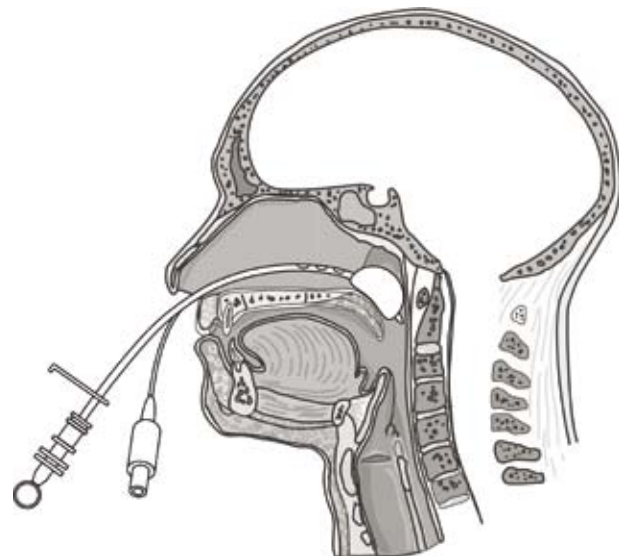
Sterile

1 catheter per carton



### FEATURES

- Medical grade silicone with blue tint for visualization
- Single balloon with adjustable size and pressure
- Multi-port suction/irrigation feature
- 20cc syringe included



### Product Code

REF	
60-403	POST-STOP™ Epistaxis Catheter