

FEATURE AND SPECIFICATION COMPARISON GUIDE

Shiley™ flexible evac adult tracheostomy cannulas and Shiley™ tracheosoft hi-lo evac tracheostomy cannulas

Shiley™ flexible evac tracheostomy tubes feature several design advances, based on clinical input.[†] Using subglottic secretion drainage to remove bacteria laden secretions above the cuff may help reduce incidence of ventilator-associated pneumonia (VAP) or other healthcare-acquired infections (HAI).¹

The table below summarizes these design enhancements.

Traditional Shiley™ tracheosoft hi-lo evac tracheostomy cannula	Shiley™ flexible evac tracheostomy cannula
Flange	
<ul style="list-style-type: none"> ▪ Narrow flange with integrated opaque 15 mm connector ▪ Opaque color which does not allow visualization of underlying skin ▪ Firm, transparent PVC material with opaque 15 mm connector ▪ Static flange with opening for tracheostomy ties 	<ul style="list-style-type: none"> ▪ Soft recessed flange — designed to reduce contact with the stoma site ▪ Transparent flange which allows enhanced visualization of the underlying skin ▪ Precut suture holes ▪ Easy to read product information
Material	
Sturdy transparent PVC with DEHP material	Tube cannula is made with a material softer than what was used in the earlier generation of Shiley™ tracheostomy tubes.
Evac performance	
Evac removes aspirates from above the cuff.	<ul style="list-style-type: none"> ▪ The suction portal is located closer to the cuff,[†] which allows the device to remove secretions more effectively. ▪ Removes aspirates an average of four-times more efficiently.[†]
Cuff	
Traditional high volume, low pressure barrel-shaped cuff	<ul style="list-style-type: none"> ▪ Low volume, low pressure TaperGuard™ taper-shaped cuff ▪ Exerts 18.6 percent less lateral wall pressure on the trachea^{1,2,†} ▪ Reduces fluid leakage by 99 percent at a lower cuff pressure^{3,†}
Airflow	
Multiple products to provide the best airflow around the outer cannula	Improves airflow around the outer cannula when the cuff is deflated by an average of 242 percent compared to the Shiley™ DCT tracheostomy tube ¹
Sizing	
Traditional Jackson sizing 4,6,8,10	Expanded color coded Shiley™ Jackson sizing to include 4,5, 6,7,8,9,10
Connector	
15 mm connector is part of the disposable or reusable inner cannula.	Integrated 15 mm connector enables ventilation with or without an inner cannula.

COMFORT

HELPS WEANING

EASY TO USE

PRODUCT CODE LOGIC AND SIZING

Shiley™ Flexible Evac Tracheostomy Tubes

		Previous tracheosoft evac tracheostomy tubes		Shiley™ flexible evac adult tracheostomy tubes with a disposable inner cannula	
Size		SKU		SKU	
Jackson	ISO	Cuffed	Tracheosoft evac with LANZ	Disposable cuffed	Reusable cuffed
4	6.5			4CN65ED	4CN65ER
5	7.0			5CN70ED	5CN70ER
6	7.5	313 – 60	314 – 60	6CN75ED	6CN75ER
7	8.0			7CN80ED	7CN80ER
8	8.5	313 – 70	314 – 70	8CN85ED	8CN85ER
9	9.0	313 – 80	314 – 80	9CN90ED	9CN90ER
10	10.0	313 – 90	314 – 90	10CN10ED	10CN10ER

Specification overview

The Shiley™ tubes have:

- Equivalent outer diameter and inner diameter sizing (with the inner cannula in place)
- Equivalent tube length across disposable inner cannula product lines
- The tube length of previous Shiley™ reusable inner cannula product line is longer than Shiley™ flexible reusable product line. The Shiley™ flexible reusable tube length is now the same as the new Shiley™ flexible disposable tube length
- Cuff resting diameter that changed due to the lower-profile cuff on the Shiley™ flexible tracheostomy product line
- Additional sizes available in the Shiley™ flexible tracheostomy product line

† Compared to the previous version of Shiley™ tracheosoft hi-lo evac tracheostomy tubes tracheostomy tubes.

‡ Compared to the Shiley™ hi-lo evac tracheostomy tube, measured in a benchtop study looking at percent secretion removed above the cuff using intermittent suctioning on sizes 7.0, 8.0 & 10.0.

1. Based on internal test report #RE00127642, The Shiley™ adult flexible evac tracheostomy tube with TaperGuard™ cuff, cuff fluid sealing performance is improved when compared to the Shiley™ DCT at specified pressures.
2. Based on internal report. Results reflect measurements taken for size 7.5 Shiley™ flexible tracheostomy tube compared to the Shiley™ 6DCT tracheostomy tube at the same cuff pressure of 20cmH₂O.
3. Based on internal benchtop testing results Athlone 2013. Results reflect testing the Shiley™ flexible adult tracheostomy tube with TaperGuard™ cuff, disposable inner cannula at 20 cm H₂O versus the Shiley™ DCT tracheostomy tube with disposable Inner cannula at 25 cm H₂O.

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