

# FEATURE AND SPECIFICATION COMPARISON GUIDE

## Shiley™ flexible adult tracheostomy tubes

Shiley™ flexible tracheostomy tubes for adult patients feature several design advances, based on clinical input, compared to the previous version of Shiley™ tracheostomy tubes.<sup>†</sup> The table below summarizes these design enhancements.

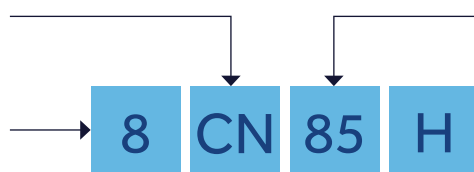


Traditional Shiley™ tracheostomy tube product line	Shiley™ flexible adult tracheostomy tubes	COMFORT	
<b>Flange</b>			
<ul style="list-style-type: none"> <li>▪ Flange is more rigid.</li> <li>▪ Opaque color does not allow visualization of underlying skin.</li> <li>▪ Firm, opaque PVC material</li> <li>▪ Soft swivel neck with tracheostomy ties for securing</li> </ul>	<ul style="list-style-type: none"> <li>▪ Soft recessed flange is designed to reduce contact with the stoma site.</li> <li>▪ Clear flange allows enhanced visualization of the underlying skin.</li> </ul>		
<b>Material</b>			
<ul style="list-style-type: none"> <li>▪ Sturdy PVC material</li> </ul>	<ul style="list-style-type: none"> <li>▪ Tube cannula is made with a softer material than that used in the earlier generation of Shiley™ tracheostomy tubes.</li> </ul>		
<b>Cuff</b>		HELPS WEANING	
Traditional high volume, low pressure barrel-shaped cuff	<ul style="list-style-type: none"> <li>▪ Low-profile Taperguard™ taper-shaped cuff</li> <li>▪ Reduces insertion force by 39% compared to the Shiley™ DCT tracheostomy tube cuffed.<sup>1</sup></li> <li>▪ Exerts 18.6%<sup>2</sup> less lateral wall pressure on the trachea than the Shiley™ DCT tube with a traditional barrel-shaped cuff.<sup>1</sup></li> <li>▪ Reduces fluid leakage by 96% at a lower cuff pressure versus the Shiley™ DCT tracheostomy tube.<sup>3</sup></li> </ul>		
<b>Airflow</b>			
<ul style="list-style-type: none"> <li>▪ Multiple products to provide the best airway airflow around the outer cannula</li> </ul>	<ul style="list-style-type: none"> <li>▪ Airflow around the outer cannula when the cuff is deflated has increased by an average of 242% compared to the Shiley™ DCT tracheostomy tube.<sup>1</sup></li> <li>▪ Improved airflow may reduce the work of breathing required to speak and wean from a tracheostomy tube.<sup>4</sup></li> </ul>		
<b>Sizing</b>		EASY TO USE	
<ul style="list-style-type: none"> <li>▪ Traditional Jackson sizing 4,6,8,10</li> </ul>	<ul style="list-style-type: none"> <li>▪ Expanded color coded Shiley™ Jackson sizing to include 4,5, 6,7,8,9,10</li> </ul>		
<b>Connector</b>			
<ul style="list-style-type: none"> <li>▪ 15-mm connector is part of the disposable or reusable inner cannula.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Integrated 15-mm connector enables ventilation with or without an inner cannula.</li> </ul>		

# Product code logic and sizing for the Shiley™ flexible tracheostomy tubes

The first letters indicate a cuffed tube (CN) or uncuffed tube (UN)

The first number is the Jackson size



The second numbers indicate the ISO size as well as the inner diameter of the outer cannula

The last letter indicates disposable (H) or reusable (R) inner cannula

		Previous Shiley™ tracheostomy tubes with disposable inner cannula		Shiley™ flexible adult tracheostomy tubes with disposable inner cannula	
Size		SKU		SKU	
Jackson	ISO	Cuffed	Cuffless	Cuffed	Cuffless
4	6.5	4DCT	4DCFS	4CN65H	4UN65H
5	7.0			5CN70H	5UN70H
6	7.5	6DCT	6DCFS	6CN75H	6UN75H
7	8.0			7CN80H	7UN80H
8	8.5	8DCT	8DCFS	8CN85H	8UN85H
9	9.0			9CN90H	9UN90H
10	10.0	10DCT	10DCFS	10CN10H	10UN10H

		Previous Shiley™ tracheostomy tubes with reusable inner cannula		Shiley™ flexible adult tracheostomy tubes with reusable inner cannula	
Size		SKU		SKU	
Jackson	ISO	Cuffed	Cuffless	Cuffed	Cuffless
4	6.5	4LPC	4CFS	4CN65R	4UN65R
5	7.0			5CN70R	5UN70R
6	7.5	6LPC	6CFS	6CN75R	6UN75R
7	8.0			7CN80R	7UN80R
8	8.5	8LPC	8CFS	8CN85R	8UN85R
9	9.0			9CN90R	9UN90R
10	10.0	10LPC	10CFS	10CN10R	10UN10R

† Previous Shiley tracheostomy tubes refers to Shiley DCT, DCFS, DCFN, DFEN, LPC, CFS, CFN, FEN and Perc tracheostomy tubes.

## Specification overview

- Equivalent outer diameter and inner diameter sizing (with the inner cannula in place)
- Equivalent tube length across disposable inner cannula product lines
- 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 has changed due to the lower-profile cuff on the Shiley™ flexible tracheostomy product line
- Additional sizes available in the Shiley™ flexible tracheostomy product line

1. Based on internal testing comparing the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff to the Shiley™ DCT tracheostomy tube cuffed. Data on file.
2. Internal testing results Athlone 2013. Results reflect measurements taken for size 7.5 Shiley™ Flexible adult tracheostomy tube compared to the Shiley™ 6DCT tracheostomy tube at 20 cm H<sub>2</sub>O. Data on file.
3. Internal benchtop testing results Athlone 2013. Results reflect testing the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff, disposable inner cannula at 20 cm H<sub>2</sub>O versus the Shiley™ DCT tracheostomy tube with disposable Inner cannula at 25 cm H<sub>2</sub>O.
4. Mullins JB, Templer JW, Kong J, Davis WE, Hinson J Jr. Airway resistance and work of breathing in tracheostomy tubes. *Laryngoscope*.1993;103(12):1367-1372.

© 2016, 2018, 2019 Medtronic. All rights reserved. Medtronic, Medtronic logo and Further, Together are trademarks of Medtronic. All other brands are trademarks of a Medtronic company. 02/2019-14-AW-0115(1)a(4)-[WF#2970960]

6135 Gunbarrel Avenue  
Boulder, CO 80301

800.635.5267 [medtronic.com/covidien](http://medtronic.com/covidien)

**Medtronic**