

Medtronic

Engineering the extraordinary

Shiley™ flexible adult
tracheostomy tubes

Enhance
patient comfort –
simplify care



Trusted for over 50 years

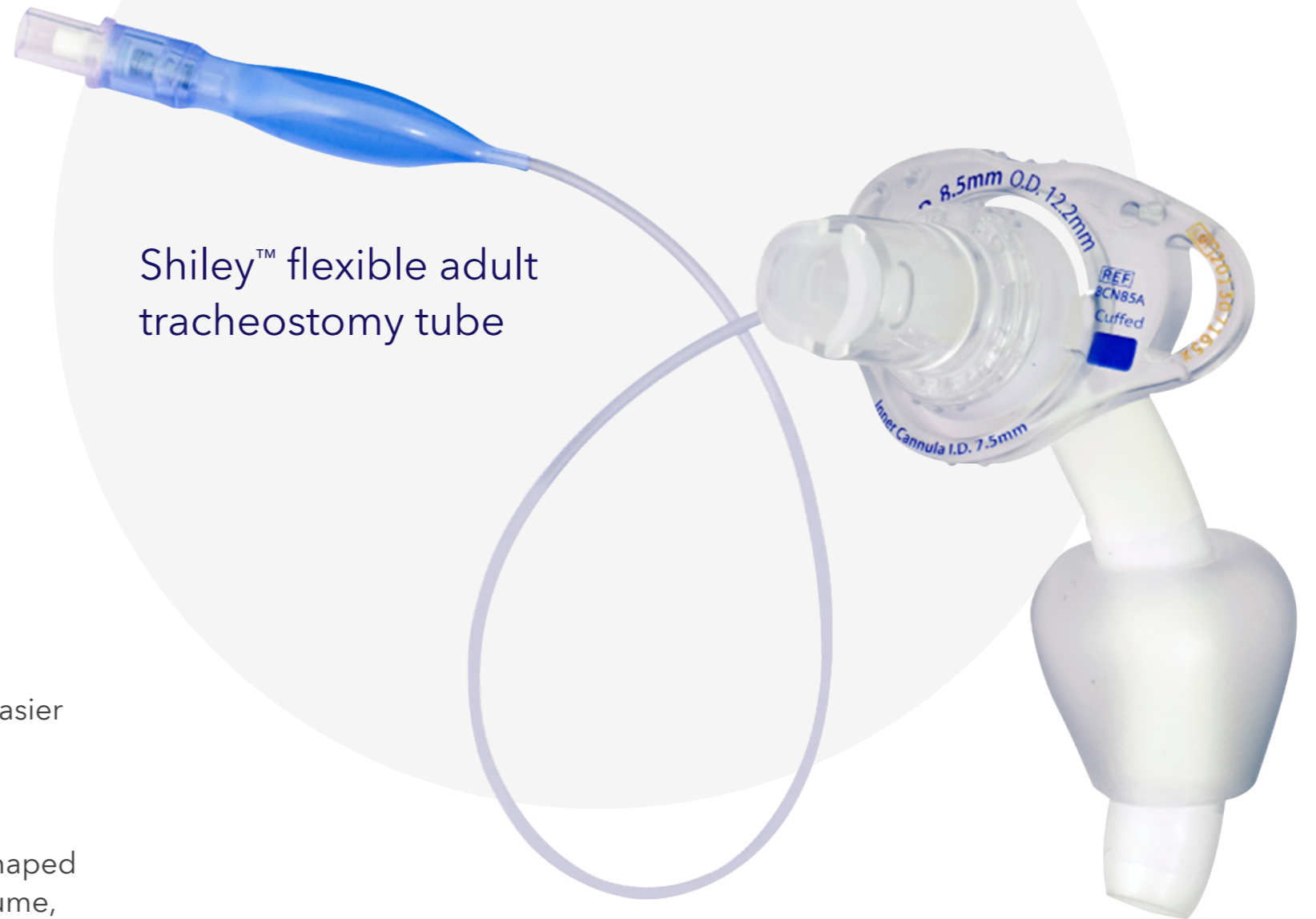
Over 760 million Shiley™ tracheostomy tubes
used around the world.

Shiley™ adult
tracheostomy
tube



Since 1970

Better fit, greater comfort, easier to use



Shiley™ flexible adult tracheostomy tube

More anatomically correct

The new Shiley™ flexible adult tracheostomy tube is easier to place – and more comfortable for your patient.¹

TaperGuard™ cuff technology

Clinician-inspired enhancements include the taper-shaped TaperGuard™ cuff. The latest development in low-volume, low-pressure cuff design helping you to secure your patient's pathway.

2015 and beyond

Shiley™ flexible tubes – advanced design



Initial placement

New beveled tip design

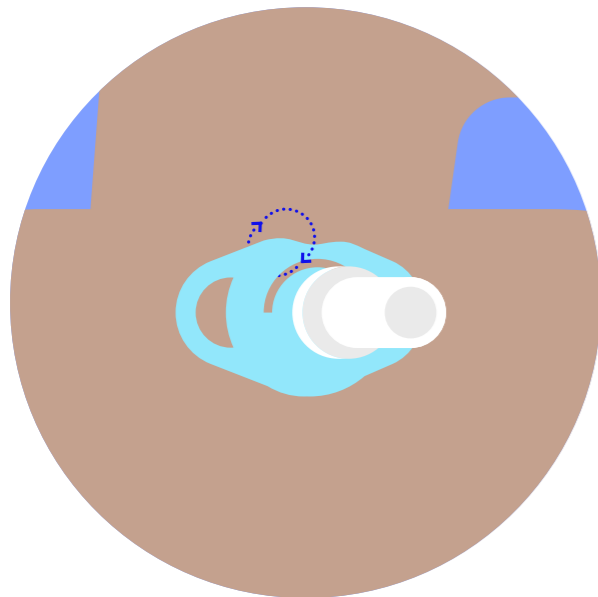
- Reduce insertion force by 39%¹ with a thinner, less bulky cuff
- Eases percutaneous insertion



Trachea and lung protection

TaperGuard™ cuff

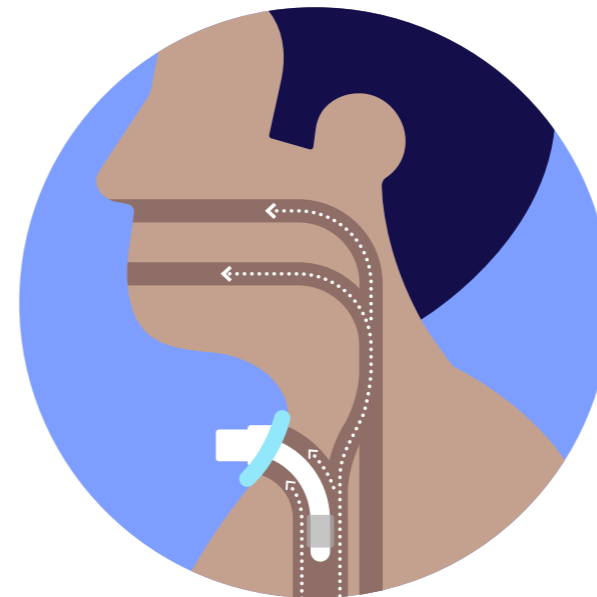
- Reduce fluid leakage by 99%²
- Exert 18.6%³ less lateral wall pressure on the trachea



Skin care

Transparent, soft, flexible flange

- Conform to patient's anatomy
- Promote airflow around stoma
- Reduce skin contact with a recessed flange



Mechanical ventilation and weaning

Faster weaning

- Increase airflow around the outer cannula by an average of 242%¹ when the cuff is deflated
- Titrate ventilator air leak with 65% greater ability with the addition of TaperGuard™ cuff technology⁴

Specification overview

New Shiley™ flexible tubes versus previous

Shiley™ flexible adult tracheostomy tubes with disposable inner cannula

Size		SKU#		Specifications				
Jackson	ISO	Cuffed	Cuffless	Outer cannula inner diameter (mm I.D.)	Inner cannula inner diameter (mm I.D.)	Cannula outer diameter (mm O.D.)	Length (mm)	Cuff resting diameter (mm)
4	6.5	4CN65H	4UN65H	6.5	5.5	9.4	62	20.6
5	7.0	5CN70H	5UN70H	7.0	6.0	10.1	68	23.0
6	7.5	6CN75H	6UN75H	7.5	6.5	10.8	74	25.4
7	8.0	7CN80H	7UN80H	8.0	7.0	11.4	77	25.4
8	8.5	8CN85H	8UN85H	8.5	7.5	12.2	79	26.6
9	9.0	9CN90H	9UN90H	9.0	8.0	12.7	79	27.6
10	10.0	10CN10H	10UN10H	10.0	9.0	13.8	79	28.6

Shiley™ flexible adult tracheostomy tubes with reusable inner cannula

4	6.5	4CN65R	4UN65R	6.5	5.5	9.4	62	20.6
5	7.0	5CN70R	5UN70R	7.0	6.0	10.1	68	23.0
6	7.5	6CN75R	6UN75R	7.5	6.5	10.8	74	25.4
7	8.0	7CN80R	7UN80R	8.0	7.0	11.4	77	25.4
8	8.5	8CN85R	8UN85R	8.5	7.5	12.2	79	26.6
9	9.0	9CN90R	9UN90R	9.0	8.0	12.7	79	27.6
10	10.0	10CN10R	10UN10R	10.0	9.0	13.8	79	28.6

Previous Shiley™ flexible adult tracheostomy tubes with disposable inner cannula

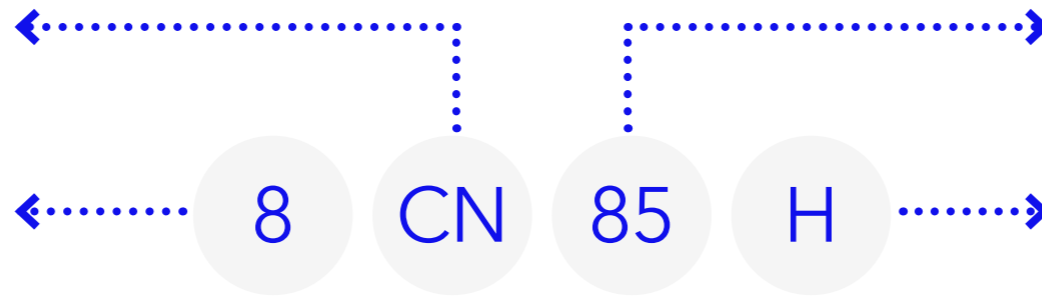
Size		SKU#		Specifications			
Jackson	ISO	Cuffed	Cuffless	Inner cannula inner diameter (mm I.D.)	Outer cannula outer diameter (mm O.D.)	Length (mm)	Cuff resting diameter (mm)
4	6.5	4DCT	4DCFS	5.0	9.4	62	20.0
5	7.0						
6	7.5	6DCT	6DCFS	6.4	10.8	74	24.0
7	8.0						
8	8.5	8DCT	8DCFS	7.6	12.2	79	27.0
9	9.0						
10	10.0	10DCT	10DCFS	8.9	13.8	79	29.0

Previous Shiley™ flexible adult tracheostomy tubes with reusable inner cannula

4	6.5	4LPC	4CFS	5.0	9.4	65	20
5	7.0						
6	7.5	6LPC	6CFS	6.4	10.8	76	24
7	8.0						
8	8.5	8LPC	8CFS	7.6	12.2	81	27
9	9.0						
10	10.0	10LPC	10CFS	8.9	13.8	81	29

Product code logic and sizing for Shiley™ flexible tracheostomy tubes

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



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

The first number is the Jackson size

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

References

1. Based on internal testing comparing the Shiley™ Flexible adult tracheostomy tube with TaperGuard™ cuff to the Shiley™ DCT tracheostomy tube cuffed.
2. 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 H₂O.
3. 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 H₂O.
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).
5. Mullins JB, Templer JW, Kong J, et al. Airway resistance and work of breathing in tracheostomy tubes. *Laryngoscope*.1993;103(12):1367-1372.

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View the Shiley™ flexible tracheostomy tube in-service training video.