Comparison Guide

Shiley™ adult flexible tracheostomy tube XLT

For patients who need additional length

The Shiley™ adult flexible tracheostomy tube XLT offers inclusive tracheostomy solutions for patients who need extra proximal or distal length. This guide provides a comparative overview of the legacy Shiley™ XLT tracheostomy tube† vs. the updated Shiley™ adult flexible tracheostomy tube XLT.

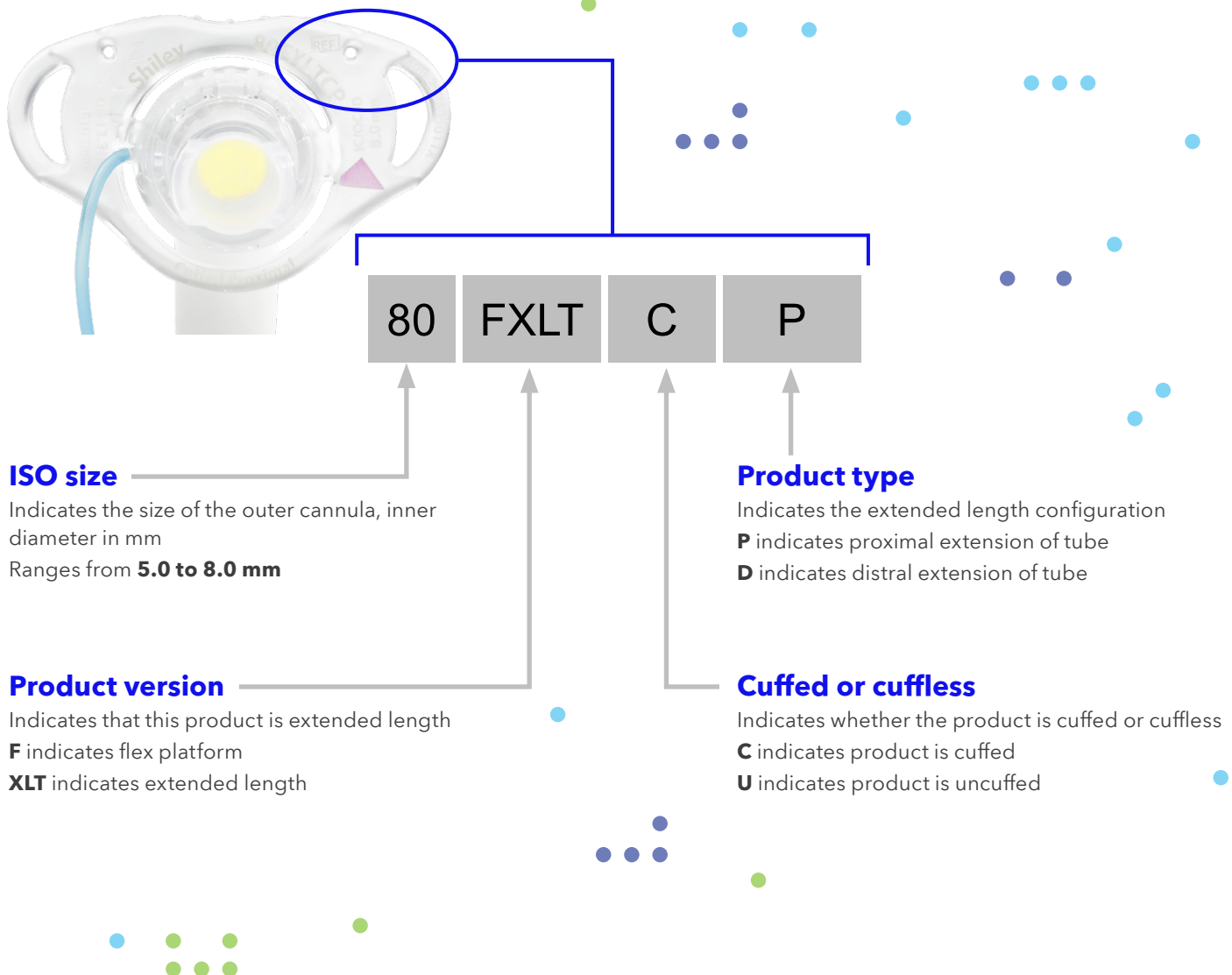**Legacy Shiley™ XLT tracheostomy tube†**

Shiley™ adult flexible tracheostomy tube XLT

† Licensed as Shiley Tracheosoft Extended Length Tracheostomy Tube.

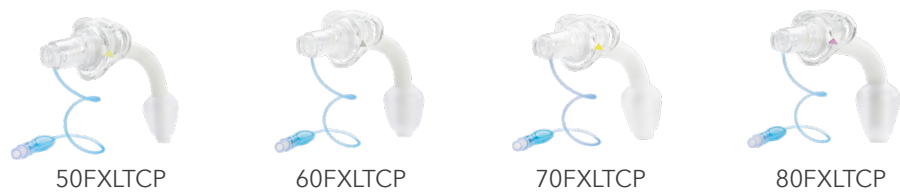|	Legacy Shiley™ XLT tracheostomy tube	Shiley™ adult flexible tracheostomy tube XLT
Flange	• Flange is a soft material over-molded on rigid frame • White, opaque color does not allow for visualization of underlying skin • Swivel neck with tracheostomy ties for securing	• A softer, translucent flange design may reduce the risk of skin breakdown[1] • Gaps in the flange that reduce points of contact[1] • Openings around the flange are designed to improve airflow to sensitive skin[1] • The flange is offset to help reduce contact with the patient's skin[1]
Materials of concern	• PVC material with DEHP	• Made without materials of concern • Made with a non-DEHP PVC material; DEHP can lead to toxic health effects, including endocrine system disruption[2] • Not made with natural rubber latex LATEX — Not made with natural rubber latex PHT **dehp** Not made with DEHP
Outer cannula	• Clear thermosensitive PVC with X-ray line	• Radiopaque, thermosensitive PVC • Fully detectable by X-ray
Inner cannula	• Extended-length, disposable inner cannula • Integral 15 mm twist-lock connector	• Extended-length, disposable inner cannula • Flexible material that conforms to the outer cannula • Unique snap-lock mechanism that easily secures inner cannula in 15 mm connector • Inner cannula can be visually detected when the tracheostomy tube is connected to a breathing circuit, without disconnecting the circuit • It is possible to ventilate with or without the inner cannula
15 mm connector	• 15 mm connector is part of the disposable inner cannula	• Integrated 15 mm connector enables ventilation with or without an inner cannula
Cuff	• High-volume, low-pressure barrel-shaped cuff	Features a low-pressure TaperGuard™ cuff, which:[†] • Improves air seal by over 100% • Improves ability to titrate ventilator air leaks at $0cmH_2O$ by 12.64% and at $20/25cmH_2O$ by greater than 100% • Increases airflow around the outer cannula when the cuff is deflated by over 100% • Reduces insertion force by more than 5% • Is made with a non-DEHP PVC material
Tip	• Rounded straight	• The beveled tip eases percutaneous insertion

The below items remain consistent between the legacy Shiley™ XLT tracheostomy tube and the updated Shiley™ adult flexible tracheostomy tube XLT.

Length configuration	• Extra proximal and extra distal length options
Curve	• 90-degree angle
Sizes	• Four size options: ISO sizes 5.0, 6.0, 7.0, and 8.0 (ISO size refers to the inner cannula inner diameter or I.D.)
MRI use	• MRI safe for cuffless tubes • MRI conditional for cuffed tubes
Compatible accessories	• Can be used with the Shiley™ CAP and Shiley™ Phonate Speaking Valve

Product code logic and sizing

80	FXLT	C	P

ISO size

Indicates the size of the outer cannula, inner diameter in mm
Ranges from **5.0 to 8.0 mm**

Product type

Indicates the extended length configuration
P indicates proximal extension of tube
D indicates distral extension of tube

Product version

Indicates that this product is extended length
F indicates flex platform
XLT indicates extended length

Cuffed or cuffless

Indicates whether the product is cuffed or cuffless
C indicates product is cuffed
U indicates product is uncuffed

Order information

50FXLTCP 60FXLTCP 70FXLTCP 80FXLTCP

Extended proximal length

Cuffed	Cuffless	Outer cannula outer diameter (O.D.)	Outer cannula inner diameter (I.D.)	Inner cannula inner diameter (I.D.)	Total length	Proximal length	Radius length	Distal length	Cuff resting diameter	Angle
50FXLTCP	50FXLTUP	9.6mm	5.0mm	5.0mm	90.0mm	20.0mm	37.0mm	33.0mm	20.6mm	90°
60FXLTCP	60FXLTUP	11.0mm	6.0mm	6.0mm	95.0mm	23.0mm	38.0mm	34.0mm	25.4mm	90°
70FXLTCP	70FXLTUP	12.3mm	7.0mm	7.0mm	100.0mm	27.0mm	39.0mm	34.0mm	26.6mm	90°
80FXLTCP	80FXLTUP	13.3mm	8.0mm	8.0mm	105.0mm	30.0mm	40.0mm	35.0mm	28.6mm	90°

50FXLTCD 60FXLTCD 70FXLTCD 80FXLTCD

Extended distal length

Cuffed	Cuffless	Outer cannula outer diameter (O.D.)	Outer cannula inner diameter (I.D.)	Inner cannula inner diameter (I.D.)	Total length	Proximal length	Radius length	Distal length	Cuff resting diameter	Angle
50FXLTCD	50FXLTUD	9.6mm	5.0mm	5.0mm	90.0mm	5.0mm	37.0mm	48.0mm	20.6mm	90°
60FXLTCD	60FXLTUD	11.0mm	6.0mm	6.0mm	95.0mm	8.0mm	38.0mm	49.0mm	25.4mm	90°
70FXLTCD	70FXLTUD	12.3mm	7.0mm	7.0mm	100.0mm	12.0mm	39.0mm	49.0mm	26.6mm	90°
80FXLTCD	80FXLTUD	13.3mm	8.0mm	8.0mm	105.0mm	15.0mm	40.0mm	50.0mm	28.6mm	90°

Inner cannula

Inner Cannula	Inner cannula inner diameter (I.D.)	Total length	Radius length
50FXLTIN	5.0mm	90.0mm	37.0mm
60FXLTIN	6.0mm	95.0mm	38.0mm
70FXLTIN	7.0mm	100.0mm	39.0mm
80FXLTIN	8.0mm	105.0mm	40.0mm

Note: The inner diameter of the inner cannula and the inner diameter of the outer cannula are the same.

For a listing of indications, contraindications, precautions, warnings, and potential adverse events, please refer to the Instructions for Use.

† As compared to the earlier generation of Shiley™ XLT tubes, in an internal benchtop test. Bench testing may not be indicative of clinical performance.

1. Dixon LM, Mascioli S, Mixell JH, Gillin T, Upchurch CN, Bradley KM. Reducing Tracheostomy-Related Pressure Injuries. AACN Advanced Critical Care. 2018;29(4):426-431. doi:https://doi.org/10.4037/aacnacc2018426

2. Wang Y, Qian H. Phthalates and Their Impacts on Human Health. Healthcare (Basel). 2021;9(5):603.

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