

# A pioneer in percutaneous tracheostomy

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Blue Rhino® G2-Multi  
PERCUTANEOUS TRACHEOSTOMY INTRODUCER



# Revolutionising percutaneous tracheostomy for **over 30 years**

Surgical tracheostomies were performed as early as the 16th century in order to achieve adequate ventilation for patients who suffered from an obstruction of the upper airway or those who needed long-term ventilation.<sup>1</sup>

Concerned with the potential complications of surgical tracheostomies, Dr. Pasquale "Pat" Ciaglia revolutionised the procedure by partnering with Cook Medical to invent a minimally invasive percutaneous dilation technique. His original serial dilation set, introduced in 1987, evolved into the single dilator approach we know today: the Blue Rhino® G2-Multi Percutaneous Tracheostomy Introducer.

Globally, percutaneous dilatational tracheostomy (PDT) has become one of the most commonly performed procedures in the intensive care unit (ICU).<sup>2</sup> The single-dilation Ciaglia Blue Rhino technique has become many physicians' preferred method when performing PDT.<sup>3,4</sup>

Blue Rhino G2-Multi  
Percutaneous Tracheostomy  
Introducer

Providing a variety of loading dilators to fit a wide range of tracheostomy tubes



The crosshatched handle is intended to improve procedural control by enhancing the operator's grip.

Longitudinal grooves on the distal surface help facilitate a less forceful insertion.



# The benefits of percutaneous tracheostomy

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PDT is performed using the Seldinger technique, which makes it less invasive compared to the surgical technique and allows the procedure to be performed at the bedside by surgeons and other trained clinicians.<sup>2</sup>

Performing PDT at the bedside eliminates the need to transport critically ill patients to the operating theatre.

Bedside PDT offers substantial cost savings due to the elimination of operating theatre expenses and anaesthesia fees as well as the reduced physician time—minimising overall hospital expenses while maintaining clinician reimbursement levels.<sup>5, 6</sup>



The Blue Rhino G2-Multi loading dilators provide a better fit and smoother transition with ISO standard tracheostomy tubes compared to the previous generation of loading dilators.\*

## 7.5 Shiley® Adult Flexible Evac Tracheostomy Tube

1. Petros S. Percutaneous tracheostomy. *Crit Care*. 1999;3(2):R5-R10.
2. Vargas M, Sutherasan Y, Antonelli M, et al. Tracheostomy procedures in the intensive care unit: an international survey. *Crit Care*. 2015;19(1):291.
3. Newhouse E, Ondik MP, Carr M, et al. Who is performing percutaneous tracheostomies? Practive patterns of surgeons in the USA. *Eur Arch Otorhinolaryngol*. 2011;268(3):415-418.
4. Cabrini L, Pintaudi M, Winterton D, et al. Choice of the appropriate tracheostomy technique. In: Servillo G, Pelosi P, eds. *Percutaneous Tracheostomy in Critically Ill Patients*. New York, NY: Springer; 2016:67-78.
5. Cobeau R, Beals M, Moss C, et al. Percutaneous dilatational tracheostomy: a safe, cost-effective bedside procedure. *Arch Surg*. 1996;131(3):265-271.
6. Freeman BD, Isabella K, Cobb JP, et al. A prospective, randomized study comparing percutaneous with surgical tracheostomy in critically ill patients. *Crit Care Med*. 2001;29(5):926-930.

\*Compatibility tested with Shiley Flexible Adult Tracheostomy Tubes and Shiley Flexible Evac Adult Tracheostomy Tubes. See IFU for complete details.

Shiley is a registered trademark of Covidien LP.



G57710 is shown here.  
Product components may vary  
by part number.



Monoject is a registered trademark of Medtronic.  
Chloraprep is a registered trademark of CareFusion 2200, Inc.

# Blue Rhino® G2-Multi

## PERCUTANEOUS TRACHEOSTOMY INTRODUCER TRAY

The Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer is intended for percutaneous dilational tracheostomy for management of the airway in adults only. Tube placement should be performed in a controlled setting (e.g., an ICU or operating theatre) with the assistance of trained personnel.

### Features and benefits

- The trays and sets provide a variety of loading dilators to fit a wide range of tracheostomy tubes.
- The crosshatched handle helps enhance the operator's grip to improve procedural control.
- The longitudinal grooves have been implemented on the distal surface to help facilitate a less forceful insertion.

### Tray components

- 1 Blue Rhino G2-Multi Percutaneous Tracheostomy Dilator
- 2 Tracheostomy tube loading dilators<sup>1</sup>
- 3 15 gage introducer needle
- 4 15 gage introducer needle with FEP sheath
- 5 Safe-T-J® Fixed Core Wire Guide
- 6 Introducer dilator
- 7 Guiding catheter
- 8 10 4 x 4 inch gauze sponges
- 9 6 and 12 mL Monoject® syringes
- 10 Needle holder cup
- 11 Wire guide dispenser with J-tip straightener
- 12 #15 safety scalpel
- 13 22 and 25 gage Monoject needles
- 14 Double swivel connector
- 15 30 x 30 inch CSR wrap
- 16 4 x 4 inch drain sponge
- 17 5 inch long curved haemostat
- 18 5 inch long serrated haemostat
- 19 Tracheostomy tube holder
- 20 44 x 30 inch folded drape
- 21 2/0 polypropylene blue monofilament suture

Tracheostomy tube with disposable inner cannula (not pictured)<sup>2</sup>

Order Number	Reference Part Number	Loading Dilator(s) mm	Tracheostomy Tube mm
<b>Trays without tracheostomy tube</b>			
G57710	C-PTISYJ-100-HC-G-EU	7.5, 8.5, 9.0	Not included
G57711	C-PTISYJ-100-UNS-HC-G-EU	6.5, 7.0, 7.5, 8.0	Not included
G57712	C-PTISYJ-100-UNL-HC-G-EU	8.5, 9.0, 10.0	Not included
<b>Trays with tracheostomy tube</b>			
G57724	C-PTISYJ-100-HC-G-EU-FLEX7.5	7.5, 8.5, 9.0	7.5 Shiley Flexible Adult Tracheostomy Tube
G57725	C-PTISYJ-100-HC-G-EU-FLEX8.5	7.5, 8.5, 9.0	8.5 Shiley Flexible Adult Tracheostomy Tube
G57726	C-PTISYJ-100-HC-G-EU-EVAC7.5	7.5, 8.5, 9.0	7.5 Shiley Adult Flexible Evac Tracheostomy Tube
G57727	C-PTISYJ-100-HC-G-EU-EVAC8.5	7.5, 8.5, 9.0	8.5 Shiley Adult Flexible Evac Tracheostomy Tube

Some products or part numbers may not be available in all markets. Contact your local Cook Medical sales representative or Customer Support & Delivery for details. Please see product risk information in the IFU at [cookmedical.eu](http://cookmedical.eu).

1. Size and quantity of tracheostomy tube loading dilators will vary based on tray or set configurations.

2. Included only where listed.



G57685 is shown here.  
Product components may vary  
by part number.





# Blue Rhino® G2-Multi

## PERCUTANEOUS TRACHEOSTOMY INTRODUCER SET

The Blue Rhino G2-Multi Percutaneous Tracheostomy Introducer is intended for percutaneous dilational tracheostomy for management of the airway in adults only. Tube placement should be performed in a controlled setting (e.g., an ICU or operating theatre) with the assistance of trained personnel.

### Features and benefits

- The trays and sets provide a variety of loading dilators to fit a wide range of tracheostomy tubes.
- The crosshatched handle helps enhance the operator's grip to improve procedural control.
- The longitudinal grooves have been implemented on the distal surface to help facilitate a less forceful insertion.

### Set components

- 1 Blue Rhino G2-Multi Percutaneous Tracheostomy Dilator
  - 2 Tracheostomy tube loading dilators<sup>1</sup>
  - 3 15 gage introducer needle
  - 4 15 gage introducer needle with FEP sheath
  - 5 Safe-T-J Fixed Core Wire Guide
  - 6 Introducer dilator
  - 7 Guiding catheter
  - 8 Four 4 x 4 inch gauze sponges
  - 9 6 mL Monoject syringe
  - 10 Needle holder cup
  - 11 Sterile lubricating jelly
  - 12 Wire guide dispenser with J-tip straightener
  - 13 #15 safety scalpel
  - 14 5 inch long curved haemostat
- Tracheostomy tube with disposable inner cannula (not pictured)<sup>2</sup>

Order Number	Reference Part Number	Loading Dilator(s) mm	Tracheostomy Tube mm
<b>Sets without tracheostomy tube</b>			
G57685	C-PTIS-100-HC-G-EU	7.5, 8.5, 9.0	Not included
G57686	C-PTIS-100-UNS-HC-G-EU	6.5, 7.0, 7.5, 8.0	Not included
G57687	C-PTIS-100-UNL-HC-G-EU	8.5, 9.0, 10.0	Not included
<b>Sets with tracheostomy tube</b>			
G57695	C-PTIS-100-HC-G-EU-FLEX7.5	7.5, 8.5, 9.0	7.5 Shiley Flexible Adult Tracheostomy Tube
G57696	C-PTIS-100-HC-G-EU-FLEX8.5	7.5, 8.5, 9.0	8.5 Shiley Flexible Adult Tracheostomy Tube
G57697	C-PTIS-100-HC-G-EU-EVAC7.5	7.5, 8.5, 9.0	7.5 Shiley Adult Flexible Evac Tracheostomy Tube
G57698	C-PTIS-100-HC-G-EU-EVAC8.5	7.5, 8.5, 9.0	8.5 Shiley Adult Flexible Evac Tracheostomy Tube

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1. Size and quantity of tracheostomy tube loading dilators will vary based on tray or set configurations.

2. Included only where listed.

# The effectiveness of percutaneous tracheostomy

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## Published articles

Bowen CP, Whitney LR, Truwit JD, et al. Comparison of safety and cost of percutaneous versus surgical tracheostomy. *Am Surg.* 2001;67(1):54-60.

Cabrini L, Landoni G, Greco M, et al. Single dilator vs. guide wire dilating forceps tracheostomy: a meta-analysis of randomised trials. *Acta Anaesthesiol Scand.* 2014;58(2):135-142.

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Cobean R, Beals M, Moss C, et al. Percutaneous dilatational tracheostomy: a safe, cost-effective bedside procedure. *Arch Surg.* 1996;131(3):265-271.

Delaney A, Bagshaw S, Nalos M. Percutaneous dilatational tracheostomy versus surgical tracheostomy in critically ill patients: a systematic review and meta-analysis. *Crit Care.* 2006;10(2):R55.

Freeman BD, Isabella K, Cobb JP, et al. A prospective, randomized study comparing percutaneous with surgical tracheostomy in critically ill patients. *Crit Care Med.* 2001;29(5):926-930.

Kluge S, Baumann HJ, Maier C, et al. Tracheostomy in the intensive care unit: a nationwide survey. *Anesth Analg.* 2008;107(5):1639-1643.

Kornblith LZ, Burlew CC, Moore EE, et al. One thousand bedside percutaneous tracheostomies in the surgical intensive care unit: time to change the gold standard. *J Am Coll Surg.* 2011;212(2):163-170.

Marra A, Danzi M, Vargas D, et al. Tracheostomy in intensive care unit: the need of European guidelines. In: Servillo G, Pelosi P, eds. *Percutaneous Tracheostomy in Critically Ill Patients*. New York, NY: Springer; 2016:155-159.

Mehta C, Mehta Y. Percutaneous tracheostomy. *Ann Card Anaesth.* 2017;20(Suppl 1):S19-S25.

Newhouse E, Ondik MP, Carr M, et al. Who is performing percutaneous tracheostomies? Practice patterns of surgeons in the USA. *Eur Arch Otorhinolaryngol.* 2011;268(3):415-418.

Rashid AO, Islam S. Percutaneous tracheostomy: a comprehensive review. *J Thorac Dis.* 2017;9 (Suppl 10):S1128-S1138.

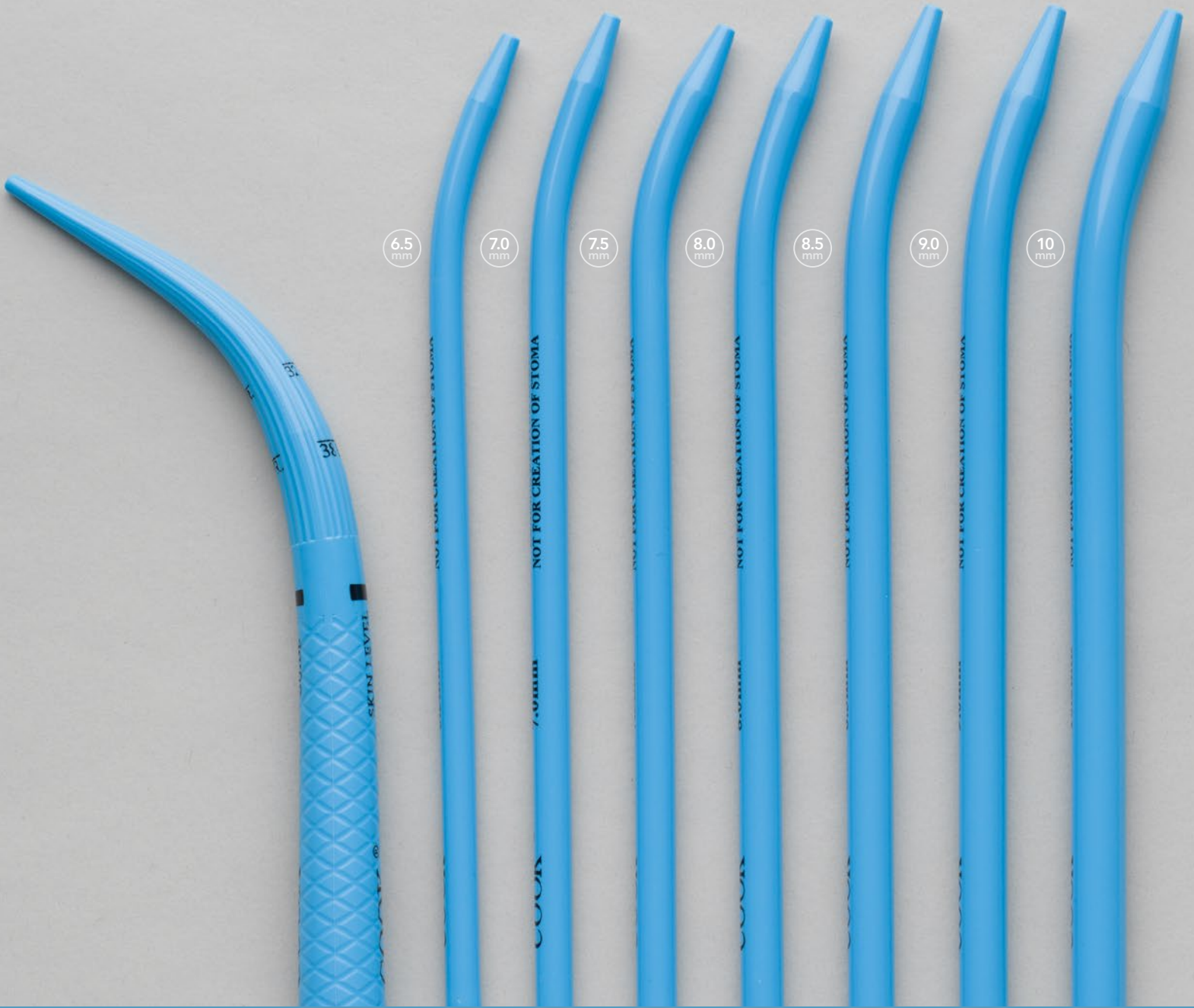
Vargas M, Servillo G, Arditi E, et al. Tracheostomy in intensive care unit: a national survey in Italy. *Minerva Anesthesiol.* 2013;79(2):156-164.











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SKIN LEVEL

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8.5mm

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# Digital resources

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Scan the QR code with your mobile device's camera to view each resource.

## Instructions for Use

[Cookmedical.eu/BlueRhinoMulti-IFU](https://Cookmedical.eu/BlueRhinoMulti-IFU)



## Procedural video

[Cookmedical.eu/BlueRhinoMulti-Video](https://Cookmedical.eu/BlueRhinoMulti-Video)



### Customer Service

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