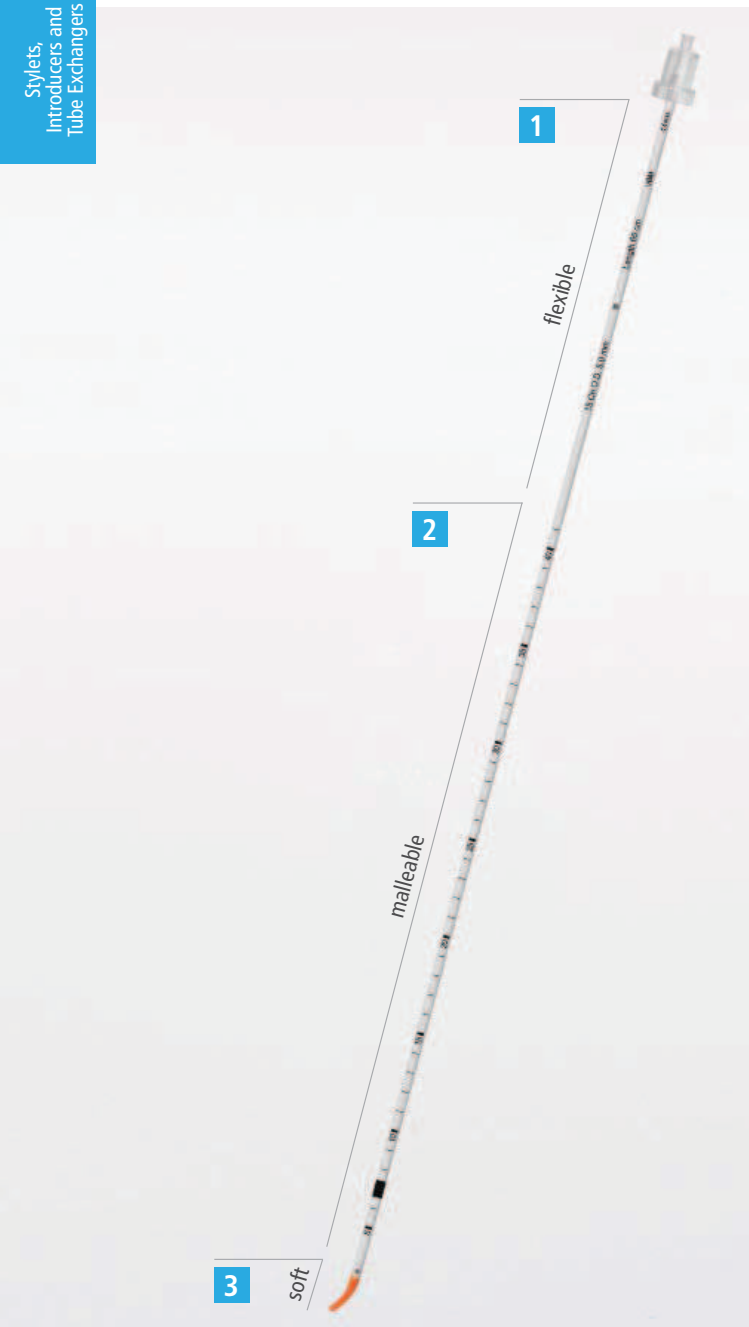


# Stylets, Introducers and Tube Exchangers

## General Information

Up to 3% of surgical patients have a so-called difficult airway, making laryngoscopic intubation problematic and sometimes impossible. Given that direct laryngoscopic visualization of the glottis may not be possible, especially in a timely manner during emergency situations, intubating guides, stylets and introducers have been developed and have proved to be effective, safe and simple approaches. VBM offers a wide range of devices covering all techniques relying on the use of an intubating guide.

## S-Guide – Malleable intubating guide for Difficult Airway Management



In cooperation with PD Dr. Patrick Schoettker from the University Hospital of Lausanne / Switzerland VBM has developed a new malleable intubating guide – the S-Guide.

Very versatile in its indications, the S-Guide can be used during conventional as well as video laryngoscopy. It works especially well with the non-channelled video laryngoscope blades.

The design of the S-Guide unifies all the essential specifications that are usually split between introducers and stylets. This makes it the ideal tool to overcome a difficult airway scenario.



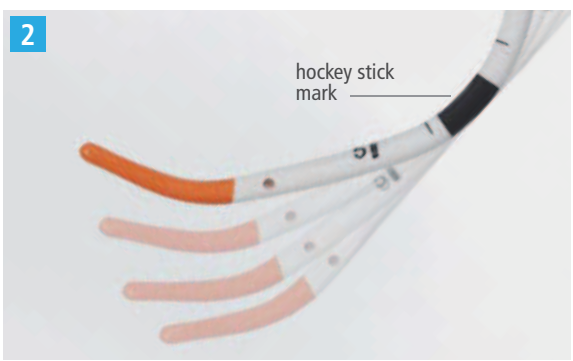
Features

3 benefits in 1 design



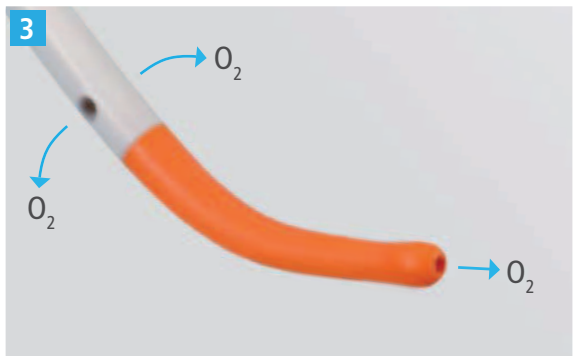
Oxygenation

The apnea can be prolonged through oxygen flow via the O<sub>2</sub> Connector. The 23 cm of flexible segment eases connection to the oxygen source without impacting placement of the S-Guide.



Directional

The malleable segment allows the S-Guide to be adjusted to any required geometry starting after the orange tip and up to 42 cm. The hockey stick shape at the distal end and the right angle at the level of the ET Tube connector can be easily achieved without compromising oxygenation.



Multifunctional tip

Preformed, soft and coloured distal tip enhances patient safety. 3 outlets for O<sub>2</sub> administration provide oxygen flow to prevent hypoxia.

Order information



**S-Guide**  
acc. to Schoettker with O<sub>2</sub> Connector  
for single use, sterile

REF 33-90-650-1 Box 5

Specifications			
Size	15 Fr	for ET Tube	≥ I.D. 6.0 mm
Length	65 cm		

# Stylets, Introducers and Tube Exchangers

## METTS (Muallem ET Tube Stylet)

for difficult intubation

- core made of metal, malleable (maintains curvature)
- flexible preformed tip
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	REF	Box
8 Fr	40 cm	≥ 3.5 mm	33-08-400-1	5
12 Fr	65 cm	≥ 5.0 mm	33-12-650-1	5
14 Fr	65 cm	≥ 6.0 mm	33-14-650-1	5



## Stylet

malleable intubation stylet

- soft, atraumatic tip
- with and without moveable silicone connector
- reusable



Size	Length	for ET Tube	without silicone connector	Box	with movable silicone connector (I.D. 15 mm)	Box
small	34 cm	2.5 - 3.5 mm	REF 90-10-111	25	REF 90-10-001	10
medium	38 cm	4.0 - 4.5 mm	REF 90-10-222	25	REF 90-10-002	10
large	45 cm	5.0 - 6.5 mm	REF 90-10-333	25	REF 90-10-003	10
large	45 cm	7.0 - 11.0 mm	REF 90-10-444	25	REF 90-10-004	10



## Pocket Introducer

for difficult intubation

- folded to 20 cm, unfolds to 65 cm
- ready for use within seconds
- preformed tip
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	REF	Box
15 Fr	65 cm	≥ 6.0 mm	33-80-650-1	5

in robust plastic cartridge

Size	Length	for ET Tube	REF	Box
15 Fr	65 cm	≥ 6.0 mm	33-81-650-1	1



The smallest packaged Introducer

## Introducer

for difficult intubation

- lumen-design, O<sub>2</sub> Connector included
- rigid preformed tip
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	REF	Box
15 Fr	65 cm	≥ 6.0 mm	33-70-650-1	5



## METTI (Muallem ET Tube Introducer)

for difficult intubation and tube exchange

- core made of plastic, semi-rigid (flexible)
- flexible, preformed tip
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	REF	Box
12 Fr	80 cm	≥ 5.0 mm	<b>33-12-800-1</b>	5
14 Fr	80 cm	≥ 6.0 mm	<b>33-14-800-1</b>	5

## Tube Exchanger

for extubation and exchange of ET Tubes

- lumen-design, O<sub>2</sub> Connector included
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	REF	Box
11 Fr	80 cm	≥ 4.0 mm	<b>33-45-800-1</b>	5
14 Fr	80 cm	≥ 5.0 mm	<b>33-46-800-1</b>	5
19 Fr	80 cm	≥ 7.0 mm	<b>33-47-800-1</b>	5

## Intubation Catheter

for fiberoptically assisted intubation (≤ 4.0 mm)

- lumen-design, O<sub>2</sub> Connector included
- graduation marks
- for single use, sterile



Size	Length	for ET Tube	for Fiberoptic	REF	Box
19 Fr	56 cm	≥ 7.0 mm	≤ 4.0 mm	<b>33-60-560-1</b>	5

### References

Apfelbaum, Jeffrey L., et al. "Practice guidelines for management of the difficult airway: an updated report by the American Society of Anesthesiologists Task Force on Management of the Difficult Airway." *Anesthesiology* 118.2 (2013): 251.

Batuwitage, Bisanth, et al. "Comparison between bougies and stylets for simulated tracheal intubation with the C-MAC D-blade videolaryngoscope." *European journal of anaesthesiology* (2014).

Evans, H., et al. "Tracheal tube introducers: choose and use with care." *Anaesthesia* 65.8 (2010): 859.