
International Standard



5361/3

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Tracheal tubes — Part 3: Murphy type

Tubes trachéaux — Partie 3: Type Murphy

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Descriptors : medical equipment, anaesthesia, endotracheal tubes, specifications.

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 5361/3 was developed by Technical Committee ISO/TC 121, *Anaesthetic equipment and medical breathing machines*, and was circulated to the member bodies in December 1981.

It has been approved by the member bodies of the following countries:

Australia	Japan	Sweden
Canada	Mexico	Switzerland
Czechoslovakia	Netherlands	United Kingdom
Egypt, Arab Rep. of	New Zealand	USA
France	Romania	USSR
Germany, F.R.	South Africa, Rep. of	

No member body expressed disapproval of the document.

Tracheal tubes — Part 3: Murphy type

0 Introduction

This International Standard is one of a series dealing with anaesthetic equipment and medical breathing machines. It supplements ISO 5361/2 in order to make provision for tracheal tubes of the Murphy type, i.e. the type with an eye near the tip.

1 Scope and field of application

This part of ISO 5361 specifies basic requirements for tracheal tubes of the Murphy type, either with or without cuffs.

2 References

ISO 5361, *Tracheal tubes* —

Part 1: General requirements.

Part 2: Oro-tracheal and naso-tracheal tubes of the Magill type (plain and cuffed).

3 Definitions

In addition to the definitions given in ISO 5361/1, the following definitions apply for the purpose of this International Standard.

3.1 Murphy tracheal tube: Tracheal tube with a round or oval hole in the wall opposite the bevel.

3.2 Murphy eye: Hole through the wall of a tracheal tube near the patient end and on the side opposite to the bevel.

A typical Murphy eye is illustrated in the figure.

4 General

Tracheal tubes of the Murphy type shall, unless otherwise specified in this part of ISO 5361, comply with the requirements for tracheal tubes of the Magill type specified in ISO 5361/2.

5 Murphy eye

5.1 Size of eye

The area of the Murphy eye shall not be less than 80 % of the cross-sectional area of the tube lumen.

5.2 Location of eye

The location of the eye shall be on the side of the tube opposite the bevel (see the figure).

NOTE — The size, shape and location of the eye should be such that the patient end of the tube is not significantly weakened.

6 Position of cuff

The cuff shall be positioned in accordance with sub-clause 7.3 of ISO 5361/2. Sub-clause 7.2 of ISO 5361/2 shall not apply.