

Australian Standard™

**Laryngoscopic fittings**

**Part 3: Fibre-illuminated re-usable rigid  
laryngoscopes**

This Australian Standard was prepared by Committee HE-019, Anaesthetic and breathing equipment. It was approved on behalf of the Council of Standards Australia on 26 June 2002 and published on 28 June 2002.

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The following are represented on Committee HE-019:

Australasian Society of Anaesthesia Technicians  
Australian Chamber of Commerce and Industry  
Australian College of Operating Room Nurses  
Australian Industry Group  
Australian Society of Anaesthetists  
Australian and New Zealand College of Anaesthetists  
Australian and New Zealand Intensive Care Society  
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**Part 3: Fibre-illuminated re-usable rigid laryngoscopes**

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## PREFACE

This Standard has been developed to assist in the process of implementation of the Australian Medical Device legislation.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian, rather than an Australian/New Zealand Standard, through the Joint Standards Australia/Standards New Zealand Committee HE-019 on Anaesthetic and breathing equipment.

This Standard is identical with and has been reproduced from ISO 7376-3:1996, *Laryngoscopic fittings — Part 3: Fibre-illuminated re-usable rigid laryngoscopes*.

The objective of this Standard is to specify basic dimensions and performance requirements for two designs of hook-on type fibre-illuminated re-usable rigid laryngoscopes.

As this Standard is reproduced from an international Standard, the following apply:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this International Standard' should read 'this Australian Standard'.
- (c) A full point substitutes for a comma when referring to a decimal marker.

## INTRODUCTION

In clinical anaesthesia and resuscitation, a variety of laryngoscopes are widely used for direct laryngoscopy. Because there is a clinical need for a variety of blade forms, they are usually manufactured as detachable blade and handle units.

There are two basic types of rigid laryngoscopes: those in which the light source is in the blade with a power source in the handle and those in which the light source is in the handle with a rod or optical fibres being used to transmit light to the blade. The former type is specified in ISO 7376-1 and ISO 7376-2 while this part of ISO 7376 specifies two designs of the latter type.

The aim of this part of ISO 7376 is to promote ready interchangeability, within each of the two specified designs, between blades and handles of the hook-on type made by different manufacturers.

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## AUSTRALIAN STANDARD

# Laryngoscopic fittings

## Part 3: Fibre-illuminated re-usable rigid laryngoscopes

### 1 Scope

This part of ISO 7376 specifies basic dimensions and performance requirements for two designs of hook-on type re-usable rigid laryngoscopes, in which light from a source in the handle is transmitted to the blade by means of an illuminating rod or illuminating fibres. Requirements are also specified for colour-coding the blades and handles of each of the two designs to facilitate recognition of compatible blades and handles, and to differentiate fibre-illuminated rigid laryngoscopes from those covered in ISO 7376-1.

No attempt has been made in this part of ISO 7376 to standardize either the blade form or handle design except for the connection point between the two.

Laryngoscope blades and handles intended for single use, flexible laryngoscopes and those intended for specialist types of surgery are outside the scope of this part of ISO 7376.

### 2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 7376. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 7376 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

<sup>1)</sup> To be published. (Revision of ISO 7376-2:1984)

ISO 7376-1:1994, *Laryngoscopic fittings — Part 1: Conventional hook-on type handle-blade fittings.*

ISO 7376-2:—<sup>1)</sup>, *Laryngoscopic fittings — Part 2: Miniature electric lamps — Screw threads and sockets for conventional blades.*

### 3 Definitions

For the purposes of this part of ISO 7376, the following definitions apply.

**3.1 fibre-illuminated blade:** Rigid component shaped to provide a direct view of the larynx, and which incorporates optical fibres to transmit light from a source in the handle. [ISO 4135:1995]

**3.2 fibre-illuminated handle:** Component held in the hand during use, which incorporates the light source and connection for the blade. [ISO 4135:1995]

**3.3 contact:** Components of the fittings which come together to make an electrical circuit and thus energize the light source when the blade and handle are engaged in the operating position. [ISO 4135:1995]

**3.4 engagement:** Mechanical attachment of the blade and handle so that the blade remains securely coupled to the handle in all positions.

**3.5 operating position:** Position of the engaged blade and handle when the rigid laryngoscope is ready for use.