

Australian Standard™

Laryngoscopic fittings

**Part 2: Miniature electric lamps —
Screw threads and sockets for
conventional blades**

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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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
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Part 2: Miniature electric lamps — Screw threads and sockets for conventional blades

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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 7376-2:1997, *Laryngoscopic fittings — Part 2: Miniature electric lamps — Screw threads and sockets for conventional blades*.

The objective of this Standard is to specify requirements for screw threads for miniature electric lamps and lamp sockets used in laryngoscopic blades to allow engagement, lamp illumination and disengagement through multiple cycles.

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

- (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'.
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INTRODUCTION

This part of ISO 7376 has been prepared in order to specify screw threads for miniature electric lamps and lamp sockets used in laryngoscope blades as described in ISO 7376-1, to ensure the interchangeability of lamps in laryngoscopic blades made by different manufacturers. The screw thread dimensions as given in 5.2 and 6.2 are in inch systems because the most prevalent lamp and socket thread systems used in rigid laryngoscopes for the past 50 years have conformed to published inch thread standards.

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AUSTRALIAN STANDARD

Laryngoscopic fittings**Part 2: Miniature electric lamps — Screw threads and sockets for conventional blades****1 Scope**

This part of ISO 7376 specifies requirements for screw threads for miniature electric lamps and lamp sockets used in laryngoscopic blades as described in ISO 7376-1. The contact, form and general dimensions of these lamps are also specified.

2 Normative reference

The following standard contains provisions, which, through reference in this text constitute provisions of this part of ISO 7376. At the time of publication, the edition indicated was 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 edition of the standard listed below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5864: 1993, *ISO inch screw threads - Allowances and tolerances*

3 Definitions

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

3.1 lamp

Electric filament bulb intended to provide illumination during laryngoscopy.

[ISO 4135:1995]

3.2 metal cap

Metallic outer housing of the lamp which provides electrical contact and mechanical engagement of the lamp by means of a male screw thread.

[ISO 4135: 1995]

3.3 socket

Component with a female screw thread attached to a laryngoscope blade and intended to provide electrical contact and mechanical engagement with a lamp.

[ISO 4135:1995]

4 Materials

Components of electrical contacts shall be made of corrosion-resistant electroconductive materials to ensure durability and continuity in the circuit between the socket and the lamp.

NOTE It is recommended that materials and design be such that the assembled laryngoscope blade is autoclaveable.