



BSI Standards Publication

Anaesthetic and respiratory equipment — Laryngoscopes for tracheal intubation

National foreword

This British Standard is the UK implementation of EN ISO 7376:2020+A1:2025. It is identical to ISO 7376:2020, incorporating amendment 1:2025. It supersedes BS EN ISO 7376:2020, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to ISO text carry the number of the ISO amendment. For example, text altered by ISO amendment 1 is indicated by A1 A1.

The UK participation in its preparation was entrusted to Technical Committee CH/121/5, Airways and related equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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English Version

Anaesthetic and respiratory equipment - Laryngoscopes for tracheal intubation (ISO 7376:2020)

Matériel d'anesthésie et de réanimation respiratoire -
Laryngoscopes pour intubation trachéale (ISO
7376:2020)

Anästhesie- und Beatmungsgeräte - Laryngoskope für
Trachealintubation (ISO 7376:2020)

This European Standard was approved by CEN on 26 June 2020.

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European foreword

This document (EN ISO 7376:2020) has been prepared by Technical Committee ISO/TC 121 "Anaesthetic and respiratory equipment" in collaboration with Technical Committee CEN/TC 215 "Respiratory and anaesthetic equipment" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by March 2021, and conflicting national standards shall be withdrawn at the latest by March 2021.

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Endorsement notice

The text of ISO 7376:2020 has been approved by CEN as EN ISO 7376:2020 without any modification.

European foreword to amendment 1

This document (EN ISO 7376:2020/A1:2025) has been prepared by Technical Committee ISO/TC 121 "Anaesthetic and respiratory equipment" in collaboration with Technical Committee CEN/TC 215 "Respiratory and anaesthetic equipment" the secretariat of which is held by BSI.

This Amendment to the European Standard EN ISO 7376:2020 shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by December 2025, and conflicting national standards shall be withdrawn at the latest by December 2025.

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Endorsement notice

The text of ISO 7376:2020/Amd 1:2025 has been approved by CEN as EN ISO 7376:2020/A1:2025 without any modification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 121, *Anaesthetic and respiratory equipment*, Subcommittee SC 2, *Airways and related equipment*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 215, *Respiratory and anaesthetic equipment*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 7376:2009), which has been technically revised.

The main changes compared to the previous edition are as follows:

- the layout has changed to align with ISO 18190:2016;
- removal of the requirements for filament *luminaires*, which are now almost entirely replaced by LED *luminaires*;
- additional requirement to prevent current surges from batteries with a rated voltage exceeding 3,6 V;
- test methods have been rationalized;
- each requirement is now followed by a conformance requirement;
- the strength requirement has been extended to *handles*;
- environmental conditions during transport, storage and normal use are now referenced to IEC 60601-1-12.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Laryngoscopes are manufactured in several forms. There are, for example, *single-piece laryngoscopes*, *non-user-detachable hinged laryngoscope blades*, or detachable hinged laryngoscope blades and *handles*. In the latter case, the light source for illuminating the larynx during use is either a *luminaire* fixed in the laryngoscope blade or a *luminaire* in the *handle* with a light guide in the laryngoscope blade. The minimum light output from the laryngoscope is specified.

Laryngoscope blades are defined and marked by size designation (see [Table 2](#)), suitable for the patient demographic for which they are designed and ranges from small, premature infants to extra-large adults. Because there are so many variations, the length of laryngoscope blade is disclosed on the packaging to allow an informed decision by the operator to select the most appropriate instrument for intubation. [Annex B](#) describes test methods for illumination, rigidity and strength.

Throughout this document the following print types are used:

- Requirements and definitions: roman type;
- *Conformance tests: italic type*;
- Informative material appearing outside of tables, such as notes, examples and references: smaller type. The Normative text of tables is also in smaller type;
- *Terms defined in [Clause 3](#): italics*.

An asterisk (*) as the first character of a title or at the beginning of a paragraph or table title indicates that there is guidance or rationale related to that item in [Annex A](#).

