



NSAI
Standards

Irish Standard
I.S. EN ISO 5356-2:2012

Anaesthetic and respiratory equipment - Conical connectors - Part 2: Screw- threaded weight-bearing connectors (ISO 5356-2:2012)

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I.S. EN ISO 5356-2:2012

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EUROPEAN STANDARD

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November 2012

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Supersedes EN ISO 5356-2:2007

English Version

**Anaesthetic and respiratory equipment - Conical connectors -
Part 2: Screw-threaded weight-bearing connectors (ISO 5356-
2:2012)**

Matériel d'anesthésie et de réanimation respiratoire -
Raccords coniques - Partie 2: Raccords à vis pouvant
supporter un certain poids (ISO 5356-2:2012)

Anästhesie- und Beatmungsgeräte - Konische Konnektoren
- Teil 2: Gewichtstragende Konnektoren mit
Schraubgewinde (ISO 5356-2:2012)

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Foreword

This document (EN ISO 5356-2:2012) 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of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by November 2015.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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I.S. EN ISO 5356-2:2012
**INTERNATIONAL
STANDARD**

**ISO
5356-2**

Third edition
2012-11-15

**Anaesthetic and respiratory equipment —
Conical connectors —**

Part 2:
Screw-threaded weight-bearing connectors

*Matériel d'anesthésie et de réanimation respiratoire — Raccords
coniques —*

Partie 2: Raccords à vis pouvant supporter un certain poids



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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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ISO 5356-2 was prepared by Technical Committee ISO/TC 121, *Anaesthetic and respiratory equipment*, Subcommittee SC 1, *Breathing attachments and anaesthetic machines*.

This third edition cancels and replaces the second edition (ISO 5356-2:2006), which has been revised by rewording the scope and by incorporating minor editorial modifications.

ISO 5356 consists of the following parts, under the general title *Anaesthetic and respiratory equipment — Conical connectors*:

- *Part 1: Cones and sockets*
- *Part 2: Screw-threaded weight-bearing connectors*

Introduction

Whereas the conical connectors specified in ISO 5356-1 are satisfactory for lightweight breathing attachments, there is also a need for more substantial connectors to support heavy or fragile components. Factors governing the design of these connectors include robustness, simplicity, ease of sterilization and ease of engagement and disengagement by hand. They should also be compatible with connectors meeting the requirements specified in ISO 5356-1 and should, if possible, eliminate the likelihood of inadvertent misconnection, although it has to remain the responsibility of the user to check that any system in which they are used is correctly assembled before use.

Screw-threaded weight-bearing connectors specified in this part of ISO 5356 can be used for attachments within the breathing system and at the common gas outlet.

Anaesthetic and respiratory equipment — Conical connectors —

Part 2: Screw-threaded weight-bearing connectors

1 Scope

This part of ISO 5356 specifies dimensional requirements for screw-threaded weight-bearing conical connectors intended for use with inhalation anaesthesia apparatus and ventilators. Such connectors are intended for mounting heavy accessories.

This part of ISO 5356 specifies requirements for the following screw-threaded, weight-bearing conical connectors:

- 22 mm connectors;
- 22 mm/15 mm coaxial connectors.

Requirements for the application of screw-threaded, weight-bearing conical connectors are not included in this part of ISO 5356, but are or will be given in the relevant International Standards for specific medical devices and accessories.

NOTE Requirements on cones and sockets are specified in ISO 5356-1.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 965-2, *ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality*

ISO 5356-1:—¹⁾, *Anaesthetic and respiratory equipment — Conical connectors — Part 1: Cones and sockets*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

inhalation anaesthesia apparatus

equipment intended for dispensing and delivering anaesthetic gases and vapours into a breathing system for delivery to the patient

3.2

breathing attachment

component(s) intended to make up or complete a breathing system

NOTE Adapted from ISO 4135:2001, definition 4.1.6.

1) To be published (Revision of ISO 5356-1:2004)

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