

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 5356-2:2012 sisaldab Euroopa standardi EN ISO 5356-2:2012 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 5356-2:2012 consists of the English text of the European standard EN ISO 5356-2:2012.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 15.11.2012.	Date of Availability of the European standard is 15.11.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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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)

This European Standard was approved by CEN on 14 November 2012.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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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of an identical text or by endorsement, at the latest by May 2013, and conflicting national standards shall be withdrawn at the latest by November 2015.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.

This document supersedes EN ISO 5356-2:2007.

According to the CEN/CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

### Endorsement notice

The text of ISO 5356-2:2012 has been approved by CEN as a EN ISO 5356-2:2012 without any modification.

## 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:—<sup>1)</sup>, *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)