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
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.

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

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.