

This is a preview of "ISO 20187-2:2022". [Click here to purchase the full version from the ANSI store.](#)

First edition  
2022-11

---

---

# **Inflatable play equipment —**

## **Part 2:**

### **Additional safety requirements for inflatable bouncing pillows intended for permanent installation**



Reference number  
ISO 20187-2:2022(E)

© ISO 2022



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2022

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

This is a preview of "ISO 20187-2:2022". Click here to purchase the full version from the ANSI store.

## Contents

	Page
<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>2</b>
<b>4 Safety requirements</b> .....	<b>3</b>
4.1 Materials.....	3
4.1.1 Fabrics.....	3
4.1.2 Dangerous substances and decorative finishes.....	4
4.2 Construction.....	4
4.2.1 Foundation.....	4
4.2.2 Structural integrity.....	4
4.2.3 Blowers - Safety requirements.....	4
4.2.4 Hard objects, sharp angles and edges.....	4
4.2.5 Electrical installations.....	4
4.2.6 Siting.....	5
4.3 Impact area.....	5
4.4 Signage.....	5
4.5 Supervision.....	5
<b>5 Test methods and reports</b> .....	<b>5</b>
<b>6 Information to be provided by the manufacturer/supplier</b> .....	<b>6</b>
6.1 General product information.....	6
6.2 Pre-information.....	6
6.3 Installation information.....	6
6.4 Operating information.....	6
6.5 Inspection and maintenance information.....	7
<b>7 Inspection, maintenance and alteration</b> .....	<b>7</b>
7.1 Inspection.....	7
7.1.1 General.....	7
7.1.2 Routine inspection.....	7
7.1.3 Annual inspection.....	7
7.2 Maintenance.....	8
7.2.1 General.....	8
7.2.2 Routine maintenance.....	8
7.2.3 Corrective maintenance.....	8
7.3 Alteration.....	8
<b>8 Marking</b> .....	<b>8</b>
<b>Annex A (normative) Test method for grounding</b> .....	<b>10</b>
<b>Bibliography</b> .....	<b>11</b>

## 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 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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](http://www.iso.org/iso/foreword.html).

This document was prepared by the European Committee for Standardization (CEN), Technical Committee CEN/TC 136, *Sports, playground and other recreational equipment* (as EN 14960-2:2019) and drafted in accordance with its editorial rules. It was assigned to Technical Committee ISO/TC 83, *Sports and other recreational facilities and equipment* and adopted, without modification other than those given below, under the "fast-track procedure":

- references to EN documents were replaced with their equivalent ISO standards.

This first edition of ISO 20187-2, together with ISO 20187-1 and ISO 20187-3, cancels and replaces ISO 20187:2016, which has been technically revised.

The main changes are as follows:

- changes with regard to inflatables sited on hard standing;
- minor editing to improve the content accuracy of the document.

A list of all parts in the ISO 20187 series can be found on the ISO website.

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](http://www.iso.org/members.html).

This is a preview of "ISO 20187-2:2022". [Click here to purchase the full version from the ANSI store.](#)

## Introduction

Play is the means by which children discover and understand the world in which they live and is an essential element in a child's physical and mental growth.

It is important for children's rounded development that, through play, they arrive at an understanding of danger, which provides a basis for assessing safety in a variety of situations. The balance between challenge and safety is an important consideration.

The inflatable play equipment referred to in this document can provide different levels of challenge and excitement. This document aims to minimize the level of risk and the possibility of serious injury while allowing children to enjoy themselves when playing in or on inflatable equipment.

This document acknowledges the difficulties of addressing safety issues by age criteria alone because the ability to handle risk is based on the individual user's level of skill and not age. Moreover, users other than the intended age range might make use of the inflatable equipment, in which case, the provisions of this standard still apply.

It is not the purpose of the requirements of this document to affect a child's need to play nor to lessen the contribution that inflatable play equipment makes either to the child's development or meaningful play from an educational point of view.

Where inflatable play equipment is combined with other items of children's playground equipment, the relevant standards applying to the other items of equipment should also be consulted.