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NSAI Standards

Irish Standard
I.S. EN 16051-2:2012

Inflation devices and accessories for inflatable consumer products - Part 2: Safety requirements, durability, performance, compatibility and test methods of inflators

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 16051-2

January 2012

ICS 23.080

English Version

Inflation devices and accessories for inflatable consumer products - Part 2: Safety requirements, durability, performance, compatibility and test methods of inflators

Dispositifs et accessoires de gonflage pour biens de consommation gonflables - Partie 2: Exigences de sécurité, durabilité, performances, compatibilité et méthodes d'essai des gonfleurs

Pumpen und Pumpenzubehör für aufblasbare Verbraucherartikel - Teil 2: Sicherheitstechnische Anforderungen, Dauerhaltbarkeit, Gebrauchstauglichkeit, Kompatibilität und Prüfverfahren für Pumpen

This European Standard was approved by CEN on 29 October 2011.

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Foreword

This document (EN 16051-2:2012) has been prepared by Technical Committee CEN/TC 136 “Sports, playground and other recreational facilities and equipment”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by July 2012, and conflicting national standards shall be withdrawn at the latest by July 2012.

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.

EN 16051, *Inflation devices and accessories for inflatable consumer products*, consists of the following parts:

— *Part 1: Compatibility of valves and valve adapters*

— *Part 2: Safety requirements, durability, performance, compatibility and test methods of inflators*

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

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Introduction

The process of inflating a floating leisure article should be considered in two ways:

a) the device for inflating the product, a pump;

b) the compatibility between the pump and the valve or valves on the product itself.

This standard, EN 16051, is in two parts and addresses the performance, safety requirements, durability and test methods that should be applied to the pump and the compatibility between a pump and the device to be inflated to ensure that the inflation process can be conducted efficiently and safely.

Unless a device is supplied and sold with a pump, by the manufacturer, where it is reasonable to expect the pump to be compatible with the product, there is generally a requirement to have an adaptor between a pump and the device valves to ensure that the air hose or other connector fits into or onto the valves on the device.

This part of the standard, Part 2, addresses the requirements for the safe performance of the pump when it is being used to inflate the device.

1 Scope

This document specifies safety requirements, performance requirements and requirements for marking and labelling of air pumps for inflatable consumer articles including the adapter side interface geometry between pump adapters and valves for inflatable consumer articles.

This document does not apply for complete pumps (including tubes and adapters) for inflation and deflation sold together with the appropriate consumer article as a set.

This document is not applicable to electrical inflators.

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.

EN 16051-1:2012, *Inflation devices and accessories for inflatable consumer products — Part 1: Compatibility of valves and valve adapters*

EN ISO 13857, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs (ISO 13857)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 16051-1:2012 apply.

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