Irish Standard
I.S. EN 16054:2012

BMX bicycles - Safety requirements and test methods

I.S. EN 16054:2012

Incorporating amendments/corrigenda/National Annexes issued since publication:

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SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces:

This document is based on:
EN 16054:2012

Published:
20 September, 2012

This document was published under the authority of the NSAI and comes into effect on:
20 September, 2012

ICS number:
43.150

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Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. EN 16054:2012

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 16054

September 2012

ICS 43.150

English Version

BMX bicycles - Safety requirements and test methods

Bicyclette BMX - Exigences de sécurité et méthodes d'essai

BMX-Fahrräder - Sicherheitstechnische Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 27 July 2012.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Ref. No. EN 16054:2012: E

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Foreword

This document (EN 16054:2012) has been prepared by Technical Committee CEN/TC 333 “Cycles”, the secretariat of which is held by UNI.

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of an identical text or by endorsement, at the latest by March 2013, and conflicting national standards shall be withdrawn at the latest by March 2013.

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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1 Scope

This European Standard specifies safety and performance requirements for the design, assembly and testing of BMX bicycles and sub-assemblies intended for use in any type of location such as roads and/or tracks and/or ramps. It applies to specialised types of bicycle designed and equipped for activities such as acrobatic ground manoeuvres, stunting and aerobatic manoeuvres and lays down guidelines for instructions on the use and care of such BMX bicycles.

It applies to BMX bicycles on which the saddle height can be adjusted to provide a minimum saddle height of 435 mm or more.

It applies to:

a) category 1, BMX designed for a rider mass of 45 kg or less;

b) category 2, BMX designed for a rider mass more than 45 kg.

It does not apply to BMX bicycles for use in sanctioned competition events.

No requirements on lighting set, reflectors and warning devices are specified in this European Standard due to the existence of several different national regulations applicable in the European countries.

2 Normative references

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

EN ISO 1101, *Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out (ISO 1101)*

ISO 9633, *Cycle chains — Characteristics and test methods*

3 Terms and definitions

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

3.1
BMX
bicycle designed for use in any type of location such as roads, tracks and/or ramps and equipped with single speed freewheel transmission, no suspension systems and no back pedal brake

3.2
free-wheel transmission
gearing mechanism which is designed to disengage the wheel from the pedal mechanism in one rotating direction

3.3
peg
component that allows the rider to stand during aerobatic manoeuvres or to slide on static objects

3.4
rotor
part of the brake system that allows an infinite rotation of the steering system around its axis