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BSI Standards Publication

Water slides

Part 1: Safety requirements and test methods



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National foreword

This British Standard is the UK implementation of EN 1069-1:2026. It supersedes BS EN 1069-1:2017+A1:2019, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee SW/136, Sports, playground and other recreational equipment.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Toboggans aquatiques - Partie 1 : Exigences de sécurité et méthodes d'essai

Wasserrutschen - Teil 1: Sicherheitstechnische Anforderungen und Prüfverfahren

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European foreword

This document (EN 1069-1:2026) 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of an identical text or by endorsement, at the latest by January 2027, and conflicting national standards shall be withdrawn at the latest by January 2027.

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

This document supersedes EN 1069-1:2017+A1:2019.

EN 1069-1:2026 includes the following significant technical changes with respect to EN 1069-1:2017+A1:2019:

a) change of scope: “to all water slides installed at open water areas for public use or in swimming pools for public use” → ”open water areas” has been added to open the scope to other water facilities;

b) Clause 2 “Normative references” has been revised;

c) Clause 3 “Terms and definitions”, has been revised;

d) Clause 4, “Classification” has been revised:
deletion of Type 2 and Type 8, Type 9, Type 10, therefore a new subclause 4.8 “Special elements” has been added;

e) subclause 7.5.5, “Protection against falling” has been revised; now applicable to all Types;

f) subclause 7.9.2, “Landing device/Landing area” moved to own subclause 7.10 and has been revised;

g) “Splashdown areas” moved to subclause 7.10.5;

h) Clause 8 “Additional safety requirements for Types 1 to 7 and special elements” has been revised: table for dimensions and falling distance/water depth of Type 1 and Type 2, cross section of Type 6 has been added; Figure 14 has been revised; Figure 15 “Difference in height” has been deleted; new Figure 15 “Clearance dimensions” has been added;

i) the document has been editorially revised.

EN 1069, *Water slides*, consists of the following parts:

— *Part 1: Safety requirements and test methods*

— *Part 2: Instructions*

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

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Introduction

The market for water slides is extremely wide and specific and still developing. It is impossible to define an all-embracing safety specification, including dimensions and design requirements as required by a standard, without limiting the design possibilities and preventing innovative and new but safe products.

This document is intended to establish safety requirements and design guidance rules to serve anyone involved with water slides, especially designers, manufacturers, operators and users, to ensure safe and more efficient products. Its basic approach is the consciousness that the sliding action usually implies for the users a higher risk level than using a pool. For certain aspects of design, manufacturing, installation, operation and use only specific guidelines, without any technical specification, are given, which should be taken into consideration and be fulfilled in order to ensure safety for operators and users.

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1 Scope

This document is applicable to all water slides installed at open water areas for public use or in swimming pools for public use.

This document specifies general safety requirements for water slides installed at open water areas for public use or in swimming pools for public use and specific requirements for defined types of water slides. These specific safety requirements are also applicable to undefined types as far as possible.

These requirements concern safety and the technical rules for design, calculation and testing.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1069-2:2026, *Water slides — Part 2: Instructions*

EN 1990, *Eurocode — Basis of structural and geotechnical design*

EN 1991-1-1, *Eurocode 1 — Actions on structures — Part 1-1: Specific weight of materials, self-weight of construction works and imposed loads for buildings*

EN 1991-1-3:2025, *Eurocode 1 — Actions on structures — Part 1-3: Snow loads*

EN 1991-1-4, *Eurocode 1: Actions on structures — Part 1-4: General actions — Wind actions*

EN 10088-1, *Stainless steels — Part 1: List of stainless steels*

EN 10088-2, *Stainless steels — Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resistant steels for general purposes*

EN 10204:2004, *Metallic products — Types of inspection documents*

EN 13451-1:2020+A1:2024, *Swimming pool equipment — Part 1: General safety requirements and test methods for equipment installed in pools for public use*

EN 13451-2, *Swimming pool equipment — Part 2: Additional specific safety requirements and test methods for ladders, stepladders and handle bends*

EN 13451-3, *Swimming pool equipment — Part 3: Additional specific safety requirements and test methods for inlets and outlets and water/air based water leisure features installed in pools for public use*

EN 15288-1:2018+A1:2024, *Swimming pools for public use — Part 1: Safety requirements for design*

EN 15288-2, *Swimming pools for public use — Part 2: Safety requirements for operation*

EN 22768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (ISO 2768-1)*

EN ISO 9606-1, *Qualification testing of welders — Fusion welding — Part 1: Steels (ISO 9606-1)*

EN ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories (ISO/IEC 17025)*