FINAL DRAFT
Technical
Report

ISO/DTR 8124-9

Safety of toys —

Part 9:
Safety aspects related to mechanical and physical properties — Comparison of ISO 8124-1, EN 71-1 and ASTM F963

Sécurité des jouets —

Partie 9: Aspects de sécurité relatifs aux propriétés mécaniques et physiques — Comparaison entre l'ISO 8124-1, l'EN 71-1 et l'ASTM F963

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

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Foreword

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This document was prepared by Technical Committee ISO/TC 181, *Safety of toys*.

This third edition cancels and replaces the second edition (ISO/TR 8124-9:2020), which has been technically revised. The main changes are as follows:

Clause	Change
Clause 1	Modified the standards “ISO 8124-1:2018, EN 71-1:2014+A1:2018 and ASTM F963-17” to “ISO 8124-1:2022, EN 71-1:2014+A1:2018 and ASTM F963-23”.
5.1	Modified Table 3, “Defined terms”, update the order and numbering of the definition.
5.2	Modified 5.2.3 “Ball”, 5.2.15 “Protective cap, cover or tip” and 5.2.16 “Pull or push toy”. Added 5.2.18 “Removable component ” and 5.2.20 “Tabletop, floor, or crib toy”.
6.3	Modified Table 27, “Parameters for reasonably foreseeable abuse tests”, updated the parameters for torque test and Tension test. Modified Table 28, “impact medium specifications for the drop test”, deleted the hardness requirement in ISO 8124-1. Added 6.3 h) comparison of tension test method of ISO 8124-1, EN 71-1 and ASTM F963.
6.4	Modified 6.4.3, updated the expanding materials requirements of ISO 8124-1.
6.5	Modified Table 36 “Small parts exemptions”, indicated that small parts exemption does not include removable components such as pen caps in ISO 8124-1.
6.12	Modified Table 55 “Plastic film thickness measurement gauge comparison”, updated the diameter of measuring surface and compression force of plastic film thickness measurement gauge in ISO 8124-1.
6.13	Modified Table 64 “Test methods and equipment used for testing of fixed loops, nooses and tangled loops”, updated the figure of head probe for cords and elastics in ASTM F963.
6.16	Modified Table 73 “Differences of the test method for stability testing”, updated the scope of stability testing in EN 71-1 and exemption of stability testing in ASTM F963. Modified Table 77 “Differences in test methods for dynamic strength test”, updated test method of dynamic strength test.
NOTE The technical changes referred to above include the significant technical changes from the revised document, but this is not an exhaustive list of all modifications from the previous version.	