



Technical Report

ISO/TR 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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Contents

	Page
Foreword	vii
Introduction	ix
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Comparison of scopes	1
5 Comparison of terms and definitions	5
5.1 General	5
5.2 Analysis of the main differences between the terms and definitions	8
5.2.1 Aquatic toy	8
5.2.2 Asphyxiation and choking	9
5.2.3 Ball	9
5.2.4 Close-to-the-ear toy	9
5.2.5 Cord	10
5.2.6 Elastic	10
5.2.7 Hand-held toy	11
5.2.8 Hazard	11
5.2.9 Large and bulky toy	11
5.2.10 Marble	12
5.2.11 Paper	12
5.2.12 Pompom	13
5.2.13 Projectile	13
5.2.14 Projectile toy with stored energy	13
5.2.15 Protective cap, cover or tip	14
5.2.16 Pull or push toy	14
5.2.17 Rattle	15
5.2.18 Removable component	15
5.2.19 Squeeze toy	15
5.2.20 Tabletop, floor, or crib toy	16
5.2.21 Toy scooter	16
6 Comparison of requirements	17
6.1 General	17
6.2 Normal use	17
6.3 Reasonably foreseeable abuse	18
6.4 Material	23
6.4.1 General	23
6.4.2 Fillings	23
6.4.3 Expanding materials	24
6.4.4 Glass and porcelain	25
6.5 Small parts	25
6.5.1 General	25
6.5.2 Small parts exemptions	26
6.5.3 Test methods	27
6.5.4 Small parts warning	27
6.6 Shape, size and strength of certain toys	27
6.6.1 General	27
6.6.2 Squeeze toys, rattles and certain other toys	29
6.6.3 Small balls	30
6.6.4 Pompoms	30
6.6.5 Toy pacifiers	30
6.6.6 Balloons	30
6.6.7 Marbles	30
6.6.8 Hemispheric-shaped toys	31

6.6.9	Suction cups.....	32
6.6.10	Test templates.....	33
6.7	Edges.....	34
6.7.1	General.....	34
6.7.2	Age range for application of the functional sharp edge exemption.....	34
6.7.3	Toys assembled by adults.....	34
6.7.4	Test method.....	34
6.8	Points.....	36
6.8.1	General.....	36
6.8.2	Age range for application of the functional sharp point exemption.....	36
6.8.3	Electrical conductors.....	36
6.8.4	Examples of accessible, potentially hazardous sharp points.....	36
6.8.5	Test method.....	36
6.9	Projections.....	37
6.9.1	General.....	37
6.9.2	Ends of rigid handlebars.....	37
6.9.3	Age grade.....	37
6.9.4	Bath toy projections.....	37
6.9.5	Protective components.....	38
6.10	Metal wires and rods.....	38
6.10.1	General.....	38
6.10.2	Scope of the metal wires and rods flexure test.....	38
6.10.3	Metal wire flexure test methods.....	38
6.11	Plastic film or plastic bags in packaging and in toys.....	39
6.11.1	General.....	39
6.11.2	Scope of plastic film or plastic bags in packaging and in toys.....	40
6.11.3	Minimum sheet thickness.....	40
6.11.4	Thickness of plastic balloons.....	40
6.11.5	Detached plastic sheeting.....	40
6.11.6	Perforated plastic film.....	40
6.11.7	Determination of plastic sheet area.....	40
6.12	Cords.....	41
6.12.1	General.....	41
6.12.2	Length of cords, loops, nooses and tangled loops.....	43
6.12.3	Diameter of certain cords intended for children under 36 months.....	45
6.12.4	Self-retracting cords.....	45
6.12.5	Toys attached or intended to be strung across, or otherwise attached to a cradle, cot, perambulator or carriage.....	46
6.12.6	Cords on pull toys.....	47
6.12.7	Cords on toy bags.....	48
6.12.8	Cords, strings and lines for flying toys.....	48
6.12.9	Electrical cables.....	49
6.12.10	Cord warning.....	49
6.12.11	Test methods and equipment.....	49
6.12.12	Toy disguise costumes.....	53
6.13	Folding mechanisms.....	53
6.13.1	General.....	53
6.13.2	Hinge line clearance.....	54
6.13.3	Toy pushchairs, perambulators and similar toys.....	55
6.13.4	Requirement for folding devices having a scissor-like action.....	56
6.14	Holes, clearances and accessibility of mechanisms.....	57
6.14.1	General.....	57
6.14.2	Holes, clearances and accessibility of mechanisms.....	57
6.14.3	Accessible clearances for moveable segments.....	57
6.14.4	Chains or belts in ride-on toys.....	58
6.14.5	Other driving mechanisms.....	58
6.14.6	Winding keys.....	58
6.14.7	Toy bicycles and tricycles provided with a handle that can be used for pushing the child.....	58

6.15	Springs.....	58
6.16	Stability and overload requirements.....	59
6.16.1	Stability requirements for ride-on toys and seats.....	59
6.16.2	Overload requirements for ride-on toys and seats.....	64
6.16.3	Stability of stationary floor toys.....	66
6.17	Enclosures.....	67
6.17.1	General.....	67
6.17.2	Ventilation.....	67
6.17.3	Toys that enclose the head.....	68
6.17.4	Closures.....	68
6.17.5	Toy chests safety labelling.....	69
6.18	Items that cover the face and simulated protective equipment.....	69
6.19	Projectile toys.....	70
6.19.1	General.....	70
6.19.2	General requirements of projectiles.....	71
6.19.3	Projectile range.....	71
6.19.4	Impact surface.....	71
6.19.5	Discharge mechanism.....	72
6.19.6	Kinetic energy and warning.....	75
6.19.7	Toy catapults and projectiles propelled by an elastic band and projectile toys without stored energy where the discharge mechanism can store energy, only when held in place by the user.....	76
6.19.8	Dart.....	76
6.19.9	Mouth-actuated projectile toys.....	77
6.19.10	Test method.....	77
6.20	Flying toys.....	78
6.20.1	General.....	78
6.20.2	Scope and exemption.....	78
6.20.3	Leading part(s) on rigid parts of flying toys.....	78
6.20.4	Rotor blades on flying toys and remote-controlled flying toys.....	78
6.20.5	Rotor or propeller warning.....	80
6.21	Aquatic toys.....	81
6.22	Braking.....	82
6.22.1	General.....	82
6.22.2	Braking device — Exemptions.....	82
6.22.3	Braking device — Scope.....	82
6.22.4	Freewheeling facility.....	83
6.22.5	Brake performance test.....	83
6.23	Toy bicycles.....	83
6.23.1	General.....	83
6.23.2	Braking system.....	84
6.23.3	Warning.....	84
6.24	Speed limitation of electrically driven ride-on toys.....	84
6.24.1	General.....	84
6.24.2	Seat requirements.....	85
6.24.3	Determination of maximum design speed of electrically-driven ride-on toys.....	85
6.25	Toys containing a heat source.....	86
6.25.1	General.....	86
6.25.2	Exemption for toys containing a heat source.....	87
6.25.3	Scope of toys containing a heat source.....	87
6.25.4	Temperature rise for heat sources.....	87
6.25.5	Test environment for toys containing a heat source.....	87
6.26	Liquid-filled toys.....	88
6.27	Mouth-actuated toys.....	88
6.28	Toy roller skates, toy inline skates and toy skateboards.....	89
6.29	Percussion caps.....	89
6.30	Acoustic requirements.....	90
6.30.1	General.....	90
6.30.2	Scope for the acoustic.....	90

ISO/TR 8124-9:2025(en)

6.30.3	Category of acoustic toys	90
6.30.4	Rattles	91
6.30.5	Comparison of the acoustic requirements	91
6.30.6	Test method	92
6.31	Toy scooters	93
6.31.1	General	93
6.31.2	Comparison of toy scooter requirements	94
6.32	Magnets and magnetic components	95
6.32.1	General	95
6.32.2	Magnetic or electrical experimental sets intended for children 8 years and over	96
6.32.3	All other toys with magnets and magnetic components	96
6.33	Yo-yo balls	98
6.34	Straps intended to be worn fully or partially around the neck	99
6.35	Sledges and toboggans with cords for pulling	99
6.36	Jaw entrapment in handles and steering wheels	100
6.37	Assembly	100
6.38	Functional toys	102
6.39	Toys intended to come into contact with food	102
6.40	Inflatable toys	102
6.41	Toys gun markings (refer to ISO 8124-1:2022, Annex D)	103
6.42	Toys comprising monofilament fibres which can present long hair hazards	103
6.43	Packaging and packaging components (spherical, egg-shaped or ellipsoidal and hemispheric-shaped containers)	103
Annex A	(informative) Index of requirements by EN 71-1	105
Annex B	(informative) Index of requirements by ASTM F963	115
Bibliography		123

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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.	