

STN	Výtahy na prepravu osôb a nákladov Časť 1: Bezpečnostné pravidlá na konštrukciu a montáž osobných výtahov a nákladných výtahov s prístupom osôb (ISO 8100-1: 2026, vrátane opravenej verzie 2026-05)	STN EN ISO 8100-1 27 4003
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Lifts for the transport of persons and goods - Part 1: Safety rules for the construction and installation of passenger and goods passenger lifts (ISO 8100-1:2026, including corrected version 2026-05)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/26

Obsahuje: EN ISO 8100-1:2026, ISO 8100-1:2026

Oznámením tejto normy sa od 30.06.2029 ruší
STN EN 81-20 (27 4003) z júna 2021

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8100-1

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Supersedes EN 81-20:2020

English Version

**Lifts for the transport of persons and goods - Part 1: Safety
rules for the construction and installation of passenger
and goods passenger lifts (ISO 8100-1:2026, including
corrected version 2026-05)**

Ascenseurs pour le transport de personnes et d'objets -
Partie 1: Règles de sécurité pour la construction et
l'installation d'ascenseurs et d'ascenseurs de charge
(ISO 8100-1:2026, y compris version corrigée 2026-
05)

Aufzüge für den Personen- und Gütertransport - Teil 1:
Sicherheitsregeln für die Konstruktion und den Einbau
von Personen- und Lastenaufzügen (ISO 8100-1:2026,
einschließlich korrigierte Fassung 2026-05)

This European Standard was approved by CEN on 1 March 2026.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN ISO 8100-1:2026) has been prepared by Technical Committee ISO/TC 178 "Lifts, escalators and moving walks" in collaboration with Technical Committee CEN/TC 10 "Lifts, escalators and moving walks" the secretariat of which is held by AFNOR.

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 December 2026, and conflicting national standards shall be withdrawn at the latest by June 2029.

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 81-20:2020.

This document has been prepared under a standardization request addressed to CEN by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZA, which is an integral part of this document.

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

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

Endorsement notice

The text of ISO 8100-1:2026, including corrected version 2026-05 has been approved by CEN as EN ISO 8100-1:2026 without any modification.

EN ISO 8100-1:2026 (E)**Annex ZA**
(informative)**Relationship between this European Standard and the essential requirements of Directive 2014/33/EU aimed to be covered**

This European Standard has been prepared under a Commission's standardization request C(2023) 6588 final ('M/599')³⁾ to provide one voluntary means of conforming to requirements of Directive 2014/33/EU of the European Parliament and of the Council of 26 February 2014 as regards lifts and safety components for lifts (OJ L 96, 29.3.2014).

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZA.1.1, Table ZA.1.2 and Table ZA.1.3 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of that Directive and associated EFTA regulations.

Table ZA.1.1 — Correspondence between this European Standard and Annex I of Directive 2014/33/EU

The relevant essential health and safety requirements of Annex I to Directive 2014/33/EU	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.1	See below Table ZA.1.2 and Table ZA.1.3				
1.2 first paragraph	4.2.6.4.3.2 f),	4.3.3.1,	4.3.3.2,	4.3.5.1,	
	4.3.5.2,	4.3.5.4,	4.3.5.5,	4.3.5.6,	
	4.4.1,	4.4.2.1.1,	4.4.2.1.2,	4.4.2.1.3,	
	4.4.2.2,	4.4.2.3.1,	4.4.3.2,	4.4.3.4	
1.2 second paragraph					Not covered
1.3	4.5.1,	4.5.2,	4.5.4,	4.5.5,	
1.4.1	4.4.2.1.4,	4.12.1.2			
1.4.2	4.6.1.1,	4.6.1.2,	4.6.2.2.1.1,	4.6.2.2.5.5,	
	4.6.3.1,	4.6.4.1			
1.4.3	4.8.2.2.1 b),	4.6.2.2.1.6 a) 2),	4.6.2.2.5.4 a) 2),	4.12.1.3	
1.4.4	4.5.3,	4.5.6,	4.5.7.2		
1.5.1	4.9.1.1				
1.5.2	4.2.1.1.1,	4.2.3.3 b),	4.2.5.2.1,	4.2.5.2.2,	

³⁾ C(2023) 6588, COMMISSION IMPLEMENTING DECISION of 5.10.2023 on a standardisation request to the European Committee for Standardization as regards lifts and safety components for lifts in support of Directive 2014/33/EU of the European Parliament and of the Council

The relevant essential health and safety requirements of Annex I to Directive 2014/33/EU	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	4.2.6.4.3.2 d), 4.3.9.1.1,	4.2.6.5.1.2, 4.3.9.3	4.2.6.5.1.3 b),	4.2.6.6.1 b),	
1.6.1					Not covered
1.6.2	4.3.6.2.3.4 c),	4.12.1.1.1,	4.12.1.1.2		
1.6.3	4.10.5.3				
1.6.4	4.2.1.1.2,	4.9.2.5,	4.9.3.4,		
	4.10.1.1.2,	4.10.1.1.3,	4.10.1.2,	4.10.1.3,	
	4.10.2,	4.10.3,	4.10.4,	4.10.5,	
	4.10.6,	4.10.7,	4.10.8.3,		
	4.10.9,	4.10.10,	4.11		
2.1	4.2.1.3.1 a),	4.2.3.3,	4.2.5.2,	4.2.5.5.2,	
	4.2.6.4.4.1 d),	4.3.1,	4.3.4,	4.3.5.2,	
	4.3.8,	4.3.9,	4.3.10,	4.4.8 a)	
2.2	4.2.5.6,	4.2.5.7,	4.2.5.8,		
	4.5.3.3,	4.8.1.2,	4.9.3.2.6.2		
2.3	4.3.1.1,	4.3.1.2,	4.3.3,		
	4.3.5.1,	4.3.5.2,	4.3.5.3,	4.3.5.4,	
	4.3.5.5,	4.3.5.6,	4.3.5.8,		
	4.3.8,	4.3.9.1,	4.3.9.3,	4.3.9.4,	
	4.3.10,	4.3.11,	4.12.1.4,	4.12.1.8	
3.1	4.2.5.3.1 c),	4.2.6.4.3.2,	4.3.1,	4.3.9.2,	
	4.3.13,	4.3.14,	4.3.15.2,		
	4.4.3.1,	4.4.9.3			
3.2	4.6.1,	4.6.2,	4.6.3.1,	4.6.3.8,	
	4.6.4.1,	4.6.4.6,	4.6.6,	4.6.7,	
	4.7				
3.3	4.2.5.6.1,				
	4.8.1.1,	4.8.1.3,	4.8.1.4,	4.8.2.1.1.1,	
	4.8.2.1.2.2,	4.8.2.2.1			
3.4	4.6.2.1.5,	4.6.2.2.1.6 b),	4.6.2.2.1.6 c),	4.6.2.2.3 e),	
	4.6.2.2.5.4 b),	4.6.2.2.5.4 c),	4.6.2.2.5.6,		

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The relevant essential health and safety requirements of Annex I to Directive 2014/33/EU	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	4.6.6.5,	4.6.7.8			
4.1	4.3.6.2,	4.12.1.1.4			
4.2					not covered
4.3	4.2.5.5.3,	4.4.11.2,	4.4.11.3 a),	4.7.5.2	
4.4	4.2.3.1,	4.2.6.2.2,	4.2.6.6.1 1st paragraph		
	4.2.6.6.2 a),	4.2.6.6.2 c),	4.3.9.3.1,	4.3.9.3.2,	
	4.3.9.3.7,	4.3.15.1,	4.3.15.3,	4.4.6.2,	
	4.9.2.3.1,	4.9.2.3.3,	4.9.2.3.4,	4.9.2.3.5,	
	4.9.2.3.6,	4.9.2.3.7,	4.9.2.3.9,	4.9.3.9.1.1,	
	4.9.3.9.1.2,	4.9.3.9.1.3,	4.9.3.9.1.4,	4.9.3.9.1.5,	
	4.9.3.9.2.1,	4.9.3.9.2.2,	4.9.3.9.2.3,	4.9.3.9.3,	
	4.10.11,	4.12.1.6,	4.12.3.2		
4.5					not covered
4.6	4.9.3.11,	4.10.4.3,	4.10.4.4		
4.7	4.4.9				
4.8	4.4.10.1,	4.4.10.2,	4.4.10.3,	4.4.10.4 b)	
4.9	4.10.11.1 a),	4.10.11.2			
4.10					not covered
5.1	4.4.2.3.2 d),	4.4.2.3.2 e)			
5.2					not covered
6.1					not covered
6.2	6.2,	6.3			

Table ZA.1.2 — Correspondence between this European Standard and Annex I of Directive 2006/42/EC

The relevant essential health and safety requirements of Annex I to Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.1.2 (a)	4, 5, 6				
1.1.2 (c)	4, 5, 6				

The relevant essential health and safety requirements of Annex I to Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.1.2 (e)	4, 5, 6				
1.1.3	4.4.4,				
	4.9.3.1.4,	4.9.3.2.5.1,	4.9.3.7,	4.9.3.11	
1.1.4	4.2.1.2,		4.2.6.6.3,	4.4.10,	
	4.10.5.1.1 a),	4.10.5.1.1 c),	4.10.5.1.1 e),		
	4.10.7.1,	4.10.8			
1.1.5	C.4 a)				
1.1.6	4.2.3.2,	4.2.6.3.2.1,	4.2.6.3.2.2,	4.2.6.4.1.1,	
	4.2.6.4.2,	4.4.6.1 a),	4.12.1.5.1.2,	C.3,	
	C.4,	C.5			
1.2.1	4.9.2.2.2.3,	4.9.2.3.1,	4.9.2.5,	4.9.2.6,	
	4.9.2.7,	4.9.3.4,	4.9.3.10,		
	4.10.3,	4.11,	4.12,	Annex A	
1.2.2	4.2.1.3.1 a),	4.2.1.3.1 b),			
	4.4.8 a),	4.4.8 b),	4.10.1.1.2,		
	4.12.1.5,	4.12.1.6,	4.12.1.7,	4.12.1.8	
1.2.3	4.2.6.4.4.1 g),	4.3.9.1.12 f),	4.4.6.1 b) 3),	4.4.6.2 b) 3),	
	4.5.3.3 a) 2),	4.5.3.3 b),			
	4.6.2.1.4.3,	4.6.2.2.1.6 b),	4.6.2.2.5.4 b),	4.6.5.10,	
	4.6.6.7,	4.6.6.2,	4.6.7.3,	4.6.7.9,	
	4.9.2.7.3,	4.9.3.10.3,	4.11.1.5,	4.12.1.3.2,	
	4.12.1.5,	4.12.1.6,	4.12.1.11.2,	4.12.2.3.2	
1.2.4.1	4.2.1.3.1 d),	4.12.1.11.1,	4.12.1.11.2		
1.2.4.4	4.4.6.2 b) 3),	4.12.1.11.1			
1.2.5	4.12.1.5,	4.12.1.6,	4.12.1.8		
1.2.6	4.6.2.1.4.3,	4.6.2.2.5.6,	4.6.5.10,	4.6.6.7,	
	4.6.7.9,	4.9.2.2.2.3 g),	4.9.2.2.2.8,	4.11.1.1,	
	4.11.2.4.2.2,	4.11.2.4.3.2,	4.12.1.3.2,	4.12.2.3.2	
1.3.1	4.2.1.5,	4.9.3.2.6.3			
1.3.2	4.3.3.3,	4.3.5.2,	4.4.3.2,	4.4.11.2,	
	4.5.2,	4.5.6.3,	4.5.8 a),	4.6.2.2.1.3,	

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The relevant essential health and safety requirements of Annex I to Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	4.6.3.3,	4.6.4.3,	4.7,	4.9.3.2.1,	
	4.9.3.2.2,	4.9.3.2.3,	4.9.3.2.6.1,	4.9.3.2.6.4,	
	4.9.3.2.6.5,	4.9.3.2.6.6,	4.9.3.3.1,	4.9.3.5.3,	
	6.2.4				
1.3.3	4.2.2.2 f),	4.2.2.2 g),	4.2.5.4,	4.2.6.3.3,	
	4.2.6.7.2,	4.4.7.2 a),	4.4.11.3		
1.3.4	4.2.5.3.2 c),	4.2.5.3.2 d),	4.3.6.1,	4.3.6.2.2.1 f),	
	4.3.6.2.2.1 g),	4.3.6.2.2.1 i),	4.3.6.2.2.1 j),	4.3.6.2.2.1 k),	
	4.4.5.1				
1.3.7	4.2.5.5,	4.4.7.4 d),			
	4.5.6.2 e),	4.5.7,	4.6.2.1.6.3,	4.6.2.2.3 g),	
	4.9.1.2,	4.9.2.3.4 a) 1),	4.9.2.3.4 a) 3),	4.9.3.2.6.6 b)	
1.3.8.1	4.2.5.5,	4.5.7.1,	4.9.1.2		
1.3.9	4.2.6.4.3.1,	4.2.6.4.4.1			
1.4.1	4.1.2,	4.2.3.4,	4.2.5.5.1,	4.2.5.5.2,	
	4.2.6.4.3.2 d),	4.2.6.4.3.2 e),	4.2.6.4.3.2 f),	4.3.9.1.8,	
	4.4.5,	4.4.6.1 b),	4.4.7.4,	4.5.7	
1.4.2.1	4.1.2,	4.3.9.1.9		4.5.7	
1.4.2.2	4.2.3.3 b),	4.2.3.3 d),	4.2.6.4.3.2 d),	4.2.6.4.3.2 e),	
	4.4.6.1 b) 3),	4.4.6.2 b) 3)			
1.5.1	4.10.1.1.4,	4.10.1.2,	4.10.1.3,		
	4.10.2,	4.10.3,	4.10.4,	4.10.5,	
	4.10.6,	4.10.9,	4.10.10		
1.5.3	4.9.3.1				
1.5.4	4.3.5.2,	4.6.2.2.1.1 c),	4.9.2.3.8,	4.10.6.4	
1.5.5	4.10.1.1.4				
1.5.6	4.9.3.11,	4.9.2.2.2.6,	4.10.4.1,	4.10.4.2	
1.5.7					Not covered
1.5.8					Not covered
1.5.11					Not covered
1.5.14	4.2.1.4,	4.2.3.3 c),	4.2.6.4.3.1 c),	4.2.6.4.4.2,	

The relevant essential health and safety requirements of Annex I to Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	4.3.9.3.5,	4.12.1.11.3,	4.12.3.1		
1.5.15	4.2.2.2 e),	4.2.2.2 k),	4.2.6.4.5.3 b),	4.2.6.4.5.3 d),	
	4.3.4.3,	4.4.7.1 b),	4.4.7.2 b),	4.4.7.2 c),	
	4.4.7.2 d),	4.4.7.3,	4.4.7.4,	4.12.1.1.3,	
	C.3.3 d)				
1.6.1	4.6.3.6,	4.6.3.7,	4.6.4.5,	4.12.1.5,	
	4.12.1.7,	4.12.1.8,	4.12.1.11.1,	6.2.4	
1.6.2	4.2.2.1,	4.2.3.2,	4.2.3.3,	4.2.3.4,	
	4.2.6.3.2,	4.2.6.4.1.1,	4.2.6.4.2,	4.2.6.4.3.1 c),	
	4.2.6.4.3.2,	4.2.6.4.4.2,	4.2.6.4.5,	4.2.6.4.6,	
	4.2.6.6.4,	4.2.6.7.1,	4.6.3.2,	4.6.4.2,	
	C.1,	C.2			
1.6.3	4.10.1.2.4,	4.10.5,	4.10.8.1		
1.7.1	4.1.3,	4.2.2.2 j),	4.2.5.7.1,	4.2.5.8.1,	
	4.2.6.4.5.7,	4.3.7,	4.4.2.2.1 g),	4.9.2.3.2,	
	4.9.2.3.8,	4.9.3.3.3.3,	4.9.3.7,	4.10.1.2.5,	
	4.10.5.6,	4.12.1.5.1.2 b),	4.12.1.5.4,	4.12.1.8.4	
1.7.2	4.2.2.2 j),	4.2.4,	4.2.6.2,	4.2.6.4.5.7,	
	4.2.5.7.1,	4.2.5.8.1,	4.2.6.4.1.2,	4.3.6.2.2.1 b) 3),	
	4.3.6.2.3.1 d),	4.3.9.3.9,	4.9.2.3.2,	4.10.1.2.5,	
	4.10.5.6,	4.12.1.1.5,	4.12.1.2.3 a),	4.12.1.2.3 b),	
	4.12.1.5.3,	4.12.1.8.3 c),	4.12.1.10 b),	4.12.1.10 c)	
1.7.3	4.2.6.4.5.7,	4.3.9.1.11,	4.4.2.2.1 g),	4.4.2.3.2 a),	
	4.4.2.3.2 b),	4.4.2.3.2 c),	4.4.2.3.2 e),	4.4.2.3.2 f),	
	4.4.2.3.3,	4.6.2.1.1.3,	4.6.2.2.1.8,		
	4.6.3.9,	4.6.4.7,	4.6.6.12,	4.6.7.14,	
	4.8.1.8,	4.9.3.3.3.3,	4.9.3.9.1.6,	4.9.3.9.2.4,	
	4.11.2.3.5				
4.1.2.3	4.5.3,	4.6.3.5,	4.6.4.4,	4.7.2.3.1,	

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The relevant essential health and safety requirements of Annex I to Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	4.9.2.2.2.1,	4.9.3.3.2,	4.9.3.3.3.1,	4.9.3.3.3.2,	
	5.2.4,	5.2.5,	5.2.7,	5.2.9,	
	5.2.10,				
4.1.2.4	4.5.1,	4.5.2,	4.5.4,	4.5.6	
4.1.2.8.2	4.4.2.2.1 d),	4.12.1.1.3,	4.12.1.2.1,	4.12.1.12.4	
4.2.1	4.9.2.3.1,	4.9.3.9.1.3,	4.12.1.5.2.1 f),	4.12.1.5.2.3,	
	4.12.1.6.1.2 b)),	4.12.1.6.2.1 c)			
4.3.1	4.5.9				
6.3.1	4.2.6.4.4.1 a),	4.5.3.2,	4.6.2.1.2.1,	4.6.2.1.3,	
	4.6.3.1,	4.6.6.3,	4.6.7.6,	4.8.1.5,	
	4.8.1.7,	4.8.2.1.1,	4.8.2.1.2.1 a),	4.8.2.1.2.1 b),	
	4.8.2.1.2.1 e),	4.8.2.2.2 a),	4.8.2.2.2 b),		
	4.9.2.2.2.1 1 st paragraph,	4.9.3.2.3.2,	4.9.3.2.4.2		
6.3.2	4.2.6.4.3.2,	4.4.3.2.1,	4.4.6,	4.4.7.2 b),	
	4.4.7.2 c),	4.4.7.3,	4.6.3.4		

Table ZA.1.3 — Correspondence between this European Standard and Annex III of Regulation (EU) 2023/1230

The relevant essential health and safety requirements of Annex III to Regulation (EU) 2023/1230	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.1.2 (a)	4, 5, 6				
1.1.2 (c)	4, 5, 6				
1.1.2 (e)	4, 5, 6				
1.1.3	4.4.4,				
	4.9.3.1.4,	4.9.3.2.5.1,	4.9.3.7,	4.9.3.11	
1.1.4	4.2.1.2,	4.2.1.3.1 a),	4.2.6.6.3,	4.4.10,	
	4.10.5.1.1 a),	4.10.5.1.1 c),	4.10.5.1.1 e),		
	4.10.7.1,	4.10.8			
1.1.5	C.4 a)				

The relevant essential health and safety requirements of Annex III to Regulation (EU) 2023/1230	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.1.6	4.2.3.2,	4.2.6.3.2.1,	4.2.6.3.2.2,	4.2.6.4.1.1,	
	4.2.6.4.2,	4.4.6.1 a),	4.12.1.5.1.2,	C.3,	
	C.4,	C.5			
1.1.9	4.10.1.1.5,	4.10.1.1.6,	4.12.4,	6.2.4 k) 7),	
	6.2.4 v)				
1.2.1	4.9.2.2.2.3,	4.9.2.3.1,	4.9.2.5,	4.9.2.6,	
	4.9.2.7,	4.9.3.4,	4.9.3.10,		
	4.10.1.1.5	4.10.1.1.6,			
	4.10.3,	4.11,	4.12,	Annex A	
1.2.2	4.2.1.3.1 a),	4.2.1.3.1 b),			
	4.4.8 a),	4.4.8 b),	4.10.1.1.2,		
	4.12.1.5,	4.12.1.6,	4.12.1.7,	4.12.1.8	
1.2.3	4.2.6.4.4.1 g),	4.3.9.1.12 f),	4.4.6.1 b) 3),	4.4.6.2 b) 3),	
	4.5.3.3 a) 2),	4.5.3.3 b),			
	4.6.2.1.4.3,	4.6.2.2.1.6 b),	4.6.2.2.5.4 b),	4.6.5.10,	
	4.6.6.7,	4.6.6.2,	4.6.7.3,	4.6.7.9,	
	4.9.2.7.3,	4.9.3.10.3,	4.11.1.5,	4.12.1.3.2,	
	4.12.1.5,	4.12.1.6,	4.12.1.11.2,	4.12.2.3.2	
1.2.4.1	4.2.1.3.1 d),	4.12.1.11.1,	4.12.1.11.2		
1.2.4.4	4.4.6.2 b) 3),	4.12.1.11.1			
1.2.5	4.12.1.5,	4.12.1.6,	4.12.1.8		
1.2.6	4.6.2.1.4.3,	4.6.2.2.5.6,	4.6.5.10,	4.6.6.7,	
	4.6.7.9,	4.9.2.2.2.3 g),	4.9.2.2.2.8,	4.11.1.1,	
	4.11.2.4.2.2,	4.11.2.4.3.2,	4.12.1.3.2,	4.12.2.3.2	
1.3.1	4.2.1.5,	4.9.3.2.6.3			
1.3.2	4.3.3.3,	4.3.5.2,	4.4.3.2,	4.4.11.2,	
	4.5.2,	4.5.6.3,	4.5.8 a),	4.6.2.2.1.3,	
	4.6.3.3,	4.6.4.3,	4.7,	4.9.3.2.1,	
	4.9.3.2.2,	4.9.3.2.3,	4.9.3.2.6.1,	4.9.3.2.6.4,	
	4.9.3.2.6.5,	4.9.3.2.6.6,	4.9.3.3.1,	4.9.3.5.3,	
	6.2.4				

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The relevant essential health and safety requirements of Annex III to Regulation (EU) 2023/1230	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
1.3.3	4.2.2.2 f),	4.2.2.2 g),	4.2.5.4,	4.2.6.3.3,	
	4.2.6.7.2,	4.4.7.2 a),	4.4.11.3		
1.3.4	4.2.5.3.2 c),	4.2.5.3.2 d),	4.3.6.1,	4.3.6.2.2.1 f),	
	4.3.6.2.2.1 g),	4.3.6.2.2.1 i),	4.3.6.2.2.1 j),	4.3.6.2.2.1 k),	
	4.4.5.1				
1.3.7	4.2.5.5,	4.4.7.4 d),			
	4.5.6.2 e),	4.5.7,	4.6.2.1.6.3,	4.6.2.2.3 g),	
	4.9.1.2,	4.9.2.3.4 a) 1),	4.9.2.3.4 a) 3),	4.9.3.2.6.6 b)	
1.3.8.1	4.2.5.5,	4.5.7.1,	4.9.1.2		
1.3.9	4.2.6.4.3.1,	4.2.6.4.4.1			
1.4.1	4.1.2,	4.2.3.4,	4.2.5.5.1,	4.2.5.5.2,	
	4.2.6.4.3.2 d),	4.2.6.4.3.2 e),	4.2.6.4.3.2 f),	4.3.9.1.8,	
	4.4.5,	4.4.6.1 b),	4.4.7.4,	4.5.7	
1.4.2.1	4.1.2,	4.3.9.1.9		4.5.7	
1.4.2.2	4.2.3.3 b),	4.2.3.3 d),	4.2.6.4.3.2 d),	4.2.6.4.3.2 e),	
	4.4.6.1 b) 3),	4.4.6.2 b) 3),			
1.5.1	4.10.1.1.4,	4.10.1.2,	4.10.1.3,		
	4.10.2,	4.10.3,	4.10.4,	4.10.5,	
	4.10.6,	4.10.9,	4.10.10		
1.5.3	4.9.3.1				
1.5.4	4.3.5.2,	4.6.2.2.1.1 c),	4.9.2.3.8,	4.10.6.4	
1.5.5	4.10.1.1.4				
1.5.6	4.9.3.11,	4.9.2.2.2.6,	4.10.4.1,	4.10.4.2	
1.5.7					Not covered
1.5.8					Not covered
1.5.11					Not covered
1.5.14	4.2.1.4,	4.2.3.3 c),	4.2.6.4.3.1 c),	4.2.6.4.4.2,	
	4.3.9.3.5,	4.12.1.11.3,	4.12.3.1		
1.5.15	4.2.2.2 e),	4.2.2.2 k),	4.2.6.4.5.3 b),	4.2.6.4.5.3 d),	
	4.3.4.3,	4.4.7.1 b),	4.4.7.2 b),	4.4.7.2 c),	
	4.4.7.2 d),	4.4.7.3,	4.4.7.4,	4.12.1.1.3,	

The relevant essential health and safety requirements of Annex III to Regulation (EU) 2023/1230	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
	C.3.3 d)				
1.6.1	4.6.3.6,	4.6.3.7,	4.6.4.5,	4.12.1.5,	
	4.12.1.7,	4.12.1.8,	4.12.1.11.1,	6.2.4	
1.6.2	4.2.2.1,	4.2.3.2,	4.2.3.3,	4.2.3.4,	
	4.2.6.3.2,	4.2.6.4.1.1,	4.2.6.4.2,	4.2.6.4.3.1 c),	
	4.2.6.4.3.2,	4.2.6.4.4.2,	4.2.6.4.5,	4.2.6.4.6,	
	4.2.6.6.4,	4.2.6.7.1,	4.6.3.2,	4.6.4.2,	
	C.1,	C.2			
1.6.3	4.10.1.2.4,	4.10.5,	4.10.8.1		
1.7.1	4.1.3,	4.2.2.2 j),	4.2.5.7.1,	4.2.5.8.1,	
	4.2.6.4.5.7,	4.3.7,	4.4.2.2.1 g),	4.9.2.3.2,	
	4.9.2.3.8,	4.9.3.3.3.3,	4.9.3.7,	4.10.1.2.5,	
	4.10.5.6,	4.12.1.5.1.2 b),	4.12.1.5.4,	4.12.1.8.4	
1.7.2	4.2.2.2 j),	4.2.4,	4.2.6.2,	4.2.6.4.5.7,	
	4.2.5.7.1,	4.2.5.8.1,	4.2.6.4.1.2,	4.3.6.2.2.1 b) 3),	
	4.3.6.2.3.1 d),	4.3.9.3.9,	4.9.2.3.2,	4.10.1.2.5,	
	4.10.5.6,	4.12.1.1.5,	4.12.1.2.3 a),	4.12.1.2.3 b),	
	4.12.1.5.3,	4.12.1.8.3 c),	4.12.1.10 b),	4.12.1.10 c)	
1.7.3	4.2.6.4.5.7,	4.3.9.1.11,	4.4.2.2.1 g),	4.4.2.3.2 a),	
	4.4.2.3.2 b),	4.4.2.3.2 c),	4.4.2.3.2 e),	4.4.2.3.2 f),	
	4.4.2.3.3,	4.6.2.1.1.3,	4.6.2.2.1.8,		
	4.6.3.9,	4.6.4.7,	4.6.6.12,	4.6.7.14,	
	4.8.1.8,	4.9.3.3.3.3,	4.9.3.9.1.6,	4.9.3.9.2.4,	
	4.11.2.3.5				
4.1.2.3	4.5.3,	4.6.3.5,	4.6.4.4,	4.7.2.3.1,	
	4.9.2.2.2.1,	4.9.3.3.2,	4.9.3.3.3.1,	4.9.3.3.3.2,	
	5.2.4,	5.2.5,	5.2.7,	5.2.9,	
	5.2.10,				
4.1.2.4	4.5.1,	4.5.2,	4.5.4,	4.5.6	

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The relevant essential health and safety requirements of Annex III to Regulation (EU) 2023/1230	Clause(s)/sub-clause(s) of this EN				Remarks/Notes
4.1.2.8.2	4.4.2.2.1 d),	4.12.1.1.3,	4.12.1.2.1,	4.12.1.12.4	
4.2.1	4.9.2.3.1,	4.9.3.9.1.3,	4.12.1.5.2.1 f),	4.12.1.5.2.3,	
	4.12.1.6.1.2 b)),	4.12.1.6.2.1 c)			
4.3.1	4.5.9				
6.3.1	4.2.6.4.4.1 a),	4.5.3.2,	4.6.2.1.2.1,	4.6.2.1.3,	
	4.6.3.1,	4.6.6.3,	4.6.7.6,	4.8.1.5,	
	4.8.2.1.1,	4.8.2.1.2.1 a),	4.8.2.1.2.1 b),		
	4.8.2.1.2.1 e),	4.8.2.2.2 a),	4.8.2.2.2 b),		
	4.9.2.2.2.1 1 st paragraph,	4.9.3.2.3.2,	4.9.3.2.4.2		
6.3.2	4.2.6.4.3.2,	4.4.3.2.1,	4.4.6,	4.4.7.2 b),	
	4.4.7.2 c),	4.4.7.3,	4.6.3.4		

WARNING 1 Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 Other Union legislation may be applicable to the product(s) falling within the scope of this standard.



International Standard

ISO 8100-1

Lifts for the transport of persons and goods —

Part 1: Safety rules for the construction and installation of passenger and goods passenger lifts

Ascenseurs pour le transport de personnes et d'objets —

*Partie 1: Règles de sécurité pour la construction et l'installation
d'ascenseurs et d'ascenseurs de charge*

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ISO 8100-1:2026(en)**Foreword**

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This document was prepared by Technical Committee ISO/TC 178, *Lifts, escalators and moving walks*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 10, *Lifts, escalators and moving walks*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 8100-1:2019), which has been technically revised.

The main changes are as follows:

- requirements for vertically sliding landing and car doors have been added;
- requirements for suspension means other than steel wire ropes have been added;
- requirements for automatic rescue operation have been added;
- requirements for traction lifts with increased available car area have been added;
- requirements for SIL-rated circuits (previously called PESSRAL) have been revised;
- requirements for a working platform in the pit have been added;
- requirements to avoid the dragging of hands in doors have been extended;
- requirements for compensation means entering the refuge space in the pit have been added;
- requirements for the brake have been aligned with overload limits;
- performance and monitoring of the machine brake have been revised;
- requirements for pit access ladders have been revised;
- fire classification of electric cables has been specified;
- requirements for cybersecurity have been added;

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- requirements for emergency operation have been revised;
- bypassing normal travel limits in inspection operation has been added;
- SIL levels of the electric safety devices ([Annex A](#)) have been revised;
- short circuit between adjacent conductors of travelling cable has been added to electric fault list;
- mechanical strength of luminaires for the well lighting system has been specified;
- requirements for information for use have been revised;
- requirements for tripping the safety gear by electrical means have been added;
- the position of the inspection operation switch has been revised;
- the document structure has been revised as per the ISO/IEC Directives, Part 2.

For relationship with this document and ISO 8100-20:2018, see [Annex D](#).

ISO/TS 8100-3 provides information on the differences between this document local standards (ASME A17.1/CSA B44 and JIS A 4307 1/JIS A 4307-2) not included in this document.

A list of all parts in the ISO 8100 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

This corrected version of ISO 8100-1:2026 incorporates the following corrections:

- corrupted symbols in [Formulae \(3\)](#) and [\(4\)](#) have been corrected;
- in [4.2.2.2](#), the height of the toe board has been corrected from 0,10 mm to 0,10 m;
- reference in [Table 25](#) has been corrected;
- year of publication of ISO 8100-2 has been corrected.

ISO 8100-1:2026(en)**Introduction**

This document is a type-C standard as stated in ISO 12100:2010.

This document is of relevance, in particular, for the following stakeholder groups representing the market players with regard to machinery safety:

- machine manufacturers (small, medium and large enterprises);
- health and safety bodies (regulators, accident prevention organizations, market surveillance, etc.).

Others can be affected by the level of machinery safety achieved with the means of the document by the above-mentioned stakeholder groups:

- machine users/employers (small, medium and large enterprises);
- machine users/employees (e.g. trade unions, organizations for people with special needs);
- service providers, e.g. for maintenance (small, medium and large enterprises);
- consumers (in case of machinery intended for use by consumers).

The above-mentioned stakeholder groups have been given the possibility to participate in the drafting process of this document.

The machinery concerned and the extent to which hazards, hazardous situations and hazardous events are covered are indicated in the scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or type-B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.

Lifts for the transport of persons and goods —

Part 1:

Safety rules for the construction and installation of passenger and goods passenger lifts

1 Scope

This document specifies the safety rules for lifts permanently serving buildings and constructions and intended for the transport of persons or persons and goods. It applies to traction lifts, positive drive lifts and hydraulic lifts that:

- serve specific levels; and
- have a rated speed exceeding 0,15 m/s; and
- have an enclosed car; and
- move along guide rails inclined not more than 15° to the vertical; and
- are indoor or weather-protected.

This document also applies to the electrical equipment of these lifts including the lighting and socket outlets in the well.

This document specifies safety rules related to:

- persons to be safeguarded:
 - users, including passengers, maintenance and inspection personnel;
 - persons at the landings and outside of the well, or any machinery space and pulley room, who can be affected by the lift.
- property to be safeguarded:
 - loads in the car;
 - components of the lift installation;
 - building in which the lift is installed.

This document does not specify additional requirements for:

- lifts serving buildings with requirements for seismic conditions;
- lifts serving buildings with requirements for accessibility;
- lifts exposed to vandalism;
- lifts which can be used for firefighting and evacuation purposes under firefighters control;
- lifts which can be used to support faster evacuation of persons with disabilities;
- the behaviour of the lift when the control system of the lift receives a recall signal(s) in the event of fire in a building.

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This document is not applicable to passenger and goods passenger lifts, which are installed before the date of its publication.

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.

ISO 1219-1:2012, *Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications*

ISO 4344:2022, *Steel wire ropes for lifts — Minimum requirements*

ISO 4190-5:2006, *Lift (Elevator) installation — Part 5: Control devices, signals and additional fittings*

ISO 4413:2010, *Hydraulic fluid power — General rules and safety requirements for systems and their components*

ISO 6743-4:2015, *Lubricants, industrial oils and related products (class L) — Classification — Part 4: Family H (Hydraulic systems)*

ISO 7000:2019¹⁾, *Graphical symbols for use on equipment — Registered symbols*

ISO 7010:2019¹⁾, *Graphical symbols — Safety colours and safety signs — Registered safety signs*

ISO 8100-2:2026, *Lifts for the transport of persons and goods — Part 2: Design rules, calculations, verifications and tests of lift components*

ISO 8100-33:2022, *Lifts for the transport of persons and goods — Part 33: T-type guide rails for lift cars and counterweights*

ISO 8102-1:2020, *Electrical requirements for lifts, escalators and moving walks — Part 1: Electromagnetic compatibility with regard to emission*

ISO 8102-2:2021, *Electrical requirements for lifts, escalators and moving walks — Part 2: Electromagnetic compatibility with regard to immunity*

ISO 8102-20:2022, *Electrical requirements for lifts, escalators and moving walks — Part 20: Cybersecurity*

ISO 12100:2010, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

ISO 12543-2:2021, *Glass in building — Laminated glass and laminated safety glass — Part 2: Laminated safety glass*

ISO 12543-3:2021, *Glass in building — Laminated glass and laminated safety glass — Part 3: Laminated glass*

ISO 13857:2019, *Safety of machinery — Safety distances to prevent hazard zones being reached by upper and lower limbs*

ISO 14122-2:2016, *Safety of machinery — Permanent means of access to machinery — Part 2: Working platforms and walkways*

ISO 14122-3:2016, *Safety of machinery — Permanent means of access to machinery — Part 3: Stairs, stepladders and guard-rails*

ISO 14122-4:2016, *Safety of machinery — Permanent means of access to machinery — Part 4: Fixed ladders*

ISO 29584:2015, *Glass in building — Pendulum impact testing and classification of safety glass*

1) The graphical symbol collections of ISO 7000 and ISO 7101 can be previewed and purchased on the Online Browsing Platform (OBP), www.iso.org/obp

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IEC 60204-1:2016+A1:2021, *Safety of machinery — Electrical equipment of machines — Part 1: General requirements*

IEC 60227-6:2001, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V — Part 6: Lift cables and cables for flexible connections*

IEC 60332-1-2:2025, *Tests on electric and optical fibre cables under fire conditions — Part 1-2: Test for vertical flame propagation for a single insulated wire or cable — Procedure for 1 kW pre-mixed flame*

IEC 60364-4-41:2005+AMD1:2017, *Low voltage electrical installations — Part 4-41: Protection for safety — Protection against electric shock*

IEC 60364-6:2016, *Low voltage electrical installations — Part 6: Verification*

IEC 60417:2002²⁾, *Database — Graphical symbols for use on equipment*

IEC 60529:1989+AMD1:1999+AMD2:2013, *Degrees of protection provided by enclosures (IP Code)*

IEC 60598-1:2024, *Luminaires — Part 1: General requirements and tests*

IEC 60617:2025, *Database — Graphical symbols for diagrams*

IEC 60664-1:2020, *Insulation coordination for equipment within low-voltage systems — Part 1: Principles, requirements and tests*

IEC 60947-4-1:2023, *Low-voltage switchgear and controlgear — Part 4-1: Contactors and motor-starters — Electromechanical contactors and motor-starters*

IEC 60947-5-1:2024, *Low-voltage switchgear and controlgear — Part 5-1: Control circuit devices and switching elements — Electromechanical control circuit devices*

IEC 61310-3:2007, *Safety of machinery — Indication, marking and actuation — Requirements for the location and operation of actuators*

IEC 61508-1:2010, *Functional safety of electrical/electronic/programmable electronic safety-related systems — Part 1: General requirements*

IEC 61800-5-2:2016, *Adjustable speed electrical power drive systems — Part 5-2: Safety requirements. Functional*

IEC 61810-1:2015+AMD1:2019, *Electromechanical elementary relays — Part 1: General requirements*

IEC 61810-3:2015, *Electromechanical elementary relays — Part 3: Relays with forcibly guided (mechanically linked) contacts*

EN 81-28:2022, *Safety rules for the construction and installation of lifts — Lifts for the transport of persons and goods — Part 28: Remote alarm on passenger and goods passenger lifts*

EN 13411-3:2022, *Terminations for steel wire ropes — Part 3: Safety. Ferrules and ferrule-securing*

EN 13411-6:2004+A1:2008, *Terminations for steel wire ropes — Part 6: Safety. Asymmetric wedge socket*

EN 13411-7:2021, *Terminations for steel wire ropes — Part 7: Safety. Symmetric wedge socket*

EN 13411-8:2011, *Termination for steel wire ropes — Part 8: Safety. Swage terminals and swaging*

EN 13501-1:2018, *Fire classification of construction products and building elements — Part 1: Classification using data from reaction to fire tests*

EN 13501-6:2018+A1:2022, *Fire classification of construction products and building elements — Part 6: Classification using data from reaction to fire tests on electric cables*

2) The graphical symbol collections of IEC 60417 can be previewed and purchased on the Online Browsing Platform (OBP), www.iso.org/obp

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EN 50214:2024, *Flat polyvinyl chloride sheathed flexible cables*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN