



Institut luxembourgeois de la normalisation
de l'accréditation, de la sécurité et qualité
des produits et services

ILNAS-EN ISO 3691-6:2021

Industrial trucks - Safety requirements and verification - Part 6: Burden and personnel carriers (ISO 3691-6:2021)

Chariots de manutention - Exigences de
sécurité et vérification - Partie 6:
Transporteurs de charges et de
personnel (ISO 3691-6:2021)

Flurförderzeuge - Sicherheitstechnische
Anforderungen und Verifizierung - Teil 6:
Lasten- und Personentransportfahrzeuge
(ISO 3691-6:2021)

10/2021



National Foreword

This European Standard EN ISO 3691-6:2021 was adopted as Luxembourgish Standard ILNAS-EN ISO 3691-6:2021.

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ILNAS-EN ISO 3691-6:2021

EUROPEAN STANDARD **EN ISO 3691-6**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2021

ICS 53.060; C

Supersedes EN ISO 3691-6:2015, EN ISO 3691-6:2015/AC:2016

English Version

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This European Standard was approved by CEN on 11 August 2021.

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European foreword

This document (EN ISO 3691-6:2021) has been prepared by Technical Committee ISO/TC 110 "Industrial trucks" in collaboration with Technical Committee CEN/TC 150 "Industrial Trucks - Safety" the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by April 2022, and conflicting national standards shall be withdrawn at the latest by April 2022.

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 ISO 3691-6:2015 and EN ISO 3691-6:2015/AC:2016.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), 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, Turkey and the United Kingdom.

Endorsement notice

The text of ISO 3691-6:2021 has been approved by CEN as EN ISO 3691-6:2021 without any modification.

Annex ZA (informative)

Relationship between this European Standard and the essential requirements of Directive 2006/42/EC aimed to be covered

This European Standard has been prepared under a Commission's standardization request "M/396 Mandate to CEN and CENELEC for Standardisation in the field of machinery" to provide one voluntary means of conforming to essential requirements of Directive 2006/42/EC of the European Parliament and of the Council of 17 May 2006 on machinery, and amending Directive 95/16/EC (recast).

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 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 — Correspondence between this European Standard and Annex I of Directive 2006/42/EC

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
		<i>To cover all the relevant safety requirements for the products(s) in its scope, this standard (providing global requirements and references to regional requirements for a machine) has to be applied together with one of those standards as specified in the scope (providing European regional requirements for a machine).</i>
1.1.2. Principles of safety integration	4, 5, 6	
1.1.3. Materials and products	4.1, 4.5	
1.1.4. Lighting	4.9.2	
1.1.5. Design of machinery to facilitate its handling	4.11, 6.2, 6.3	
1.1.6 Ergonomics	4.6	
1.1.7. Operating positions	4.5.1, 4.10, 6.2, 6.3	
1.1.8. Seating	4.6.3	
1.2.1. Safety and reliability of		not covered

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
control systems		
1.2.2 Control devices	4.2.2.3, 4.2.2.5, 4.4	
1.2.3. Starting		not covered
1.2.4.1. Normal stop		not covered
1.2.4.2. Operational stop		not covered
1.2.4.3. Emergency stop	,	not covered
1.2.5. Selection of control or operating modes	4.4.2.6,	
1.2.6. Failure of the power supply	4.3.3, 4.4.3.2	
1.3.1. Risk of loss of stability	4.7	
1.3.2. Risk of break-up during operation		not covered
1.3.3. Risks due to falling or ejected objects	4.6.3.4, 4.8.4, 4.11.1,	
1.3.4. Risks due to surfaces, edges or angles	4.1.4, 4.4.2.6.5, 4.5.3.1	
1.3.7. Risks related to moving parts	4.5.3, 4.6.3.4, 4.8.2	
1.3.8.1. Moving transmission parts	4.5.3.1	
1.3.9. Risks of uncontrolled movements		not covered
1.4.1. General requirements		not covered
1.4.2.1. Fixed guards		not covered
1.4.2.2. Interlocking movable guards		not covered
1.4.3. Special requirements for protective devices		not covered
1.5.1. Electricity supply		not covered
1.5.2. Static electricity		not covered

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
1.5.3. Energy supply other than electricity	4.5, 4.8.3	
1.5.4. Errors of fitting		not covered
1.5.5. Extreme temperatures		not covered
1.5.6. Fire	4.5.2, 4.5.4, 4.5.1.1, 4.10.1.1	
1.5.7. Explosion	4.5.2, 4.5.4	
1.5.8. Noise		not covered
1.5.9. Vibrations		not covered
1.5.10. Radiation		not covered
1.5.11. External radiation		not covered
1.5.13. Emissions of hazardous materials and substances	4.5.1.1	
1.5.14. Risk of being trapped in a machine	4.10.1.5	
1.5.15. Risk of slipping, tripping or falling	4.6.2, 4.6.3.3	
1.5.16. Lightning		not covered
1.6.1. Machinery maintenance		not covered
1.6.2. Access to operating positions and servicing points	4.5.3.1	
1.6.3. Isolation of energy sources		not covered
1.6.4. Operator intervention	4.4.2.6.5	
1.7.1. Information and warnings on the machinery	6.3	
1.7.1.1. Information and information devices	4.4.4, 6.3.2	
1.7.1.2. Warning devices	4.8.1	
1.7.2. Warning of residual risks	6.3.3.4	