

SLOVENSKI STANDARD SIST EN ISO 3691-6:2022

01-februar-2022

Nadomešča:

SIST EN ISO 3691-6:2016

SIST EN ISO 3691-6:2016/AC:2016

Vozila za talni transport - Varnostne zahteve in preverjanje - 6. del: Tovorni in osebni vozički (ISO 3691-6:2021)

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

iTeh STANDARD PREVIEW

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

SIST EN ISO 3691-6:2022

Chariots de manutention en Exigences de sécurité et vérification 43 Partie 6: Transporteurs de charges et de personnel (ISO 3691-6:2021) iso-3691-6-2022

Ta slovenski standard je istoveten z: EN ISO 3691-6:2021

ICS:

53.060 Industrijski tovornjaki Industrial trucks

SIST EN ISO 3691-6:2022 en,fr,de

SIST EN ISO 3691-6:2022

iTeh STANDARD PREVIEW (standards.iteh.ai)

EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN ISO 3691-6

October 2021

ICS 53.060; C

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

English Version

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)

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

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.

CEN members are the national standards bodies of 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 United Kingdom.



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

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

EN ISO 3691-6:2021 (E)

Contents	Page
European foreword	3
Annex ZA (informative) Relationship between this European Standard and the essential	
requirements of Directive 2006/42/EC aimed to be covered	4

iTeh STANDARD PREVIEW (standards.iteh.ai)

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	Clause(s)/sub-clause(s) of	Remarks/Notes	
Requirements of Directive 2006/42/EC	this EN h STANDARD PRE	EVIEW	
	(standards.iteh.a		
https://stan	SIST EN ISO 3691-6:2022 dards.iteh.ai/catalog/standards/sist/2a9bb571 536cfebbafc4/sist-en-iso-3691-6-202	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).	
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	NAME 7
1.3.1. Risk of loss of stability	FANDARD PREVIE standards.iteh.ai)	
1.3.2. Risk of break-up during operation	SIST EN ISO 3691-6:2022	not covered
1.3.3. Risks due to falling or ejected objects	.a/catalog/standards/sist/2a9bb571-7028-4. 4.6.3.4,4.8.4,4.11.1,6ctebbatc4/sist-en-iso-3691-6-2022	8cd-857b-
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

EN ISO 3691-6:2021 (E)

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	h STANDARD PRI (standards.iteh.a	not covered
1.5.13. Emissions of hazardous materials and substances	4.5.1.1 SIST EN ISO 3691-6:2022	
1.5.14. Risk of being trapped in a machine	dards iteh a/catalog/standards/sist/2a9bb571 4.10.1.5 536cfebbafc4/sist-en-iso-3691-6-202	- /028-43cd-85 /b- 22
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	

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
1.7.3. Marking of machinery	6.3	
1.7.4. Instructions	6.1, 6.2	
1.7.4.1. General principles for the drafting of instructions	6.1	
1.7.4.2. Contents of the instructions	6.2	
1.7.4.3. Sales literature		not covered
3.2.1. Driving position		not covered
3.2.2. Seating	4.6.3.3	
3.2.3. Positions for other persons	4.6.3.2	7
3.3.1. Control devices	tandards.iteh.ai)	**************************************
3.3.2. Starting/moving	4.2.2.2, 4.2.2.4 SIST EN ISO 3691-6:2022	
3.3. Control systems https://standards.itel	. aj/catalog/standards/sist/2a9bb571-7028-4. 6cfebbafc4/sist-en-iso-3691-6-2022	cd-857b-
3.3.3. Travelling function	4.2, 4.3	
3.3.4. Movement of pedestrian- controlled machinery		not covered
3.3.5. Control circuit failure	4.4.3.2	
3.4.1. Uncontrolled movements	4.7, 4.8.4	
3.4.2. Moving transmission parts	4.5.3	
3.4.3. Roll-over and tip-over		not covered
3.4.4. Falling objects		not covered
3.4.5. Means of access		not covered
3.4.6. Towing devices	4.4.2.6.5	
3.5.1. Batteries	4.8.4, 4.8.5	

EN ISO 3691-6:2021 (E)

The relevant Essential Requirements of Directive 2006/42/EC	Clause(s)/sub-clause(s) of this EN	Remarks/Notes
3.5.2. Fire		not covered
3.6.1. Signs, signals and warnings	4.8.1, 4.9.2	
3.6.2. Marking	6.3.1	
3.6.3. Instructions	6	
3.6.3.1. Vibrations		not covered

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.

(standards.iteh.ai)

SIST EN ISO 3691-6:2022

INTERNATIONAL STANDARD

ISO 3691-6

Second edition 2021-07

Industrial trucks — Safety requirements and verification —

Part 6: **Burden and personnel carriers**

Chariots de manutention — Exigences de sécurité et vérification —

iTeh STPartie 6: Transporteurs de charges et de personnel

(standards.iteh.ai)



ISO 3691-6:2021(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST EN ISO 3691-6:2022 https://standards.iteh.ai/catalog/standards/sist/2a9bb571-7028-43cd-857b-536cfebbafc4/sist-en-iso-3691-6-2022



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Co	Contents			Page
Fore	eword			v
Intr	oductio			vi
1				
_	-			
2	Norn	ative references		1
3	Term	and definitions		2
4	Safet	requirements and/or pro	otective measures	3
	4.1	General		3
			ents	
			onditions	
			ments	
			nponents	
	4.2			
			ting	
			ment	
	4.0			
	4.3			
		4.3.2 Stand-on carriers	gy supply D. P.R.E.V. I.E.W.	4
	4.4	4.3.3 Failure of the ene	rgy supply	4
	4.4	Manual control actuators	dards.iteh.ai)	5
			g controls	
			F.EN.ISO 3691-6:2022	
	4.4.4 _{https} Marking, itch ai/catalog/standards/sist/2a9bb571-7028-43cd-857b			
	4.5		ng systems	
			ng systems	
			and other compartments	
			um gas (LPG) carriers	
	4.6 Operator and passenger positions			
	1.0			
			or	
		1		
			urning	
			t crushing, shearing and trapping	
	4.7			
	4.8	5		
		4.8.1 Warning device		12
		4.8.2 Devices for towing	g	12
		4.8.3 Wheels with split	wheel rims for inflatable tyres	12
			devices	13
		4.8.5 Traction battery r	equirements	13
	4.9	Visibility/lighting		13
	4.10			
		*		
			N. V. (72.50)	
		9	compatibility (EMC)	
	4.11			
		4.11.1 Location for lifting	g and/or slinging points	