

1. SEERIA VEOKONTEINERID

Andmed ja katsetamine

Osa 4: Survestamata konteinerid puistlastile

Series 1 freight containers

Specification and testing

Part 4: Non-pressurized containers for dry bulk

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-ISO 1496-4:2003 "1. seeria veokonteinerid. Andmed ja katsetamine. Osa 4: Survestamata konteinerid puistlastile" sisaldab rahvusvahelise standardi ISO 1496-4:1991 "Series 1 freight containers - Specification and testing - Part 4: Non-pressurized containers for dry bulk" identset ingliskeelset teksti.

Standard EVS-ISO 1496-4:2003 on kinnitatud Eesti Standardikeskuse 8.07.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Standard on kättesaadav Eesti Standardikeskusest.

This Estonian Standard EVS-ISO 1496-4:2003 consists of the identical English text of the International Standard ISO 1496-4:1991 "Series 1 freight containers - Specification and testing - Part 4: Non-pressurized containers for dry bulk".

This standard is ratified with the order of Estonian Centre for Standardisation dated 8.07.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

The standard is available from Estonian Centre for Standardisation.

Käsitlusala

1.1 Käesolev ISO 1496 osa täpsustab põhiandmeid ja katsetamisnõudeid survestamata puistlasti veoks mõeldud ISO 1. seeria konteineritele, mis sobivad rahvusvahelisteks vedudeks ja edasitoimetamiseks maanteel, raudteel ja merel, kaasa arvatud vahepealsed ühelt transpordiliigilt teisele üleminekud.

1.2 Kuna erinevate puistlastide tihedus ja vooluomadused kõiguvad laias vahemikus, ei pruugi ISO 1496 sellele osale vastavad konteinerid sobida kõigi selliste kaupade transpordiks. Seega, kui pole sätestatud teisiti, on selle rahvusvahelise standardi nõuded miinimumnõueteks. Ohtlike kaupade veoks kasutatavatele konteineritele võivad kehtida eraldi rahvusvahelised ja siseriiklikud nõuded, mille määravad vastavad ametiasutused.

1.3 Käesolevas ISO 1496 osas kaetud konteineritüübid on antud tabelis 1.

1.4 Märgistusnõuded nendele konteineritele vastavad juhiste, mis on kirjeldatud standardis ISO 6346.

MÄRKUS 2 Mõned veokonteinerite tüübid, mis on konstrueeritud vastavalt standardile ISO 1496-1, on kasutatavad teatud pakkimata tahke puistlasti transportimiseks. Kui selliseid konteinereid kasutatakse niisugusel eesmärgil, on oluline tagada, et töötingimustes ei ületataks ette nähtud laadungeid.

Scope

1.1 This part of ISO 1496 specifies the basic specifications and testing requirements for ISO series 1 freight Containers of the dry bulk Container nonpressurized type which are suitable for international exchange and for conveyance by road, rail and sea, including interchange between these forms of transport.

1.2 As the density and flow characteristics of dry bulk cargoes vary widely, Containers complying with this part of ISO 1496 are not expected to be suitable for the carriage of all such cargoes. Therefore, except where otherwise stated, the requirements of this International Standard are minimum requirements. Containers to be used for the carriage of dangerous goods may be subject to additional international and national requirements as applied by competent authorities.

1.3 The Container types covered by this part of ISO 1496 are given in table 1.

1.4 The marking requirements for these Containers shall be in accordance with the principles embodied in ISO 6346.

NOTE 2 Some types of freight Containers constructed in accordance with ISO 1496-1 may satisfactorily be used for the transport of certain non-packed dry bulk solids. Where such Containers are used for this purpose, it is essential that care be taken to ensure that the design loadings are not exceeded under operating conditions.

Tabel 1 - Konteineritüübid			Table 1 - Container types		
Tüüp	Tüübi koodi tähis*		Type	Type code designation*	
	Kasti tüübid	Mahuti tüübid		Kasti tüübid	Mahuti tüübid
Survestamata puistlast, suletud	20	80	Dry bulk non-pressurized, closed	20	80
õhutusega	21	81	vented	21	81
ventileeritud	22	82	ventilated	22	82
õhutihe	23	83	airtight	23	83
[üleliigne]	24	84	[spare]	24	84
* Vastavuses ISO 6346 standardiga.			* In accordance with ISO 6346		

ICS 55.180.10 Üldotstarbelised konteinerid

Võttesõnad: konteinerid

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75% of the member bodies casting a vote.

International Standard ISO 1496-4 was prepared by Technical Committee ISO/TC 104, *Freight containers*, Sub-Committee SC 2, *Specific purpose containers*.

ISO 1496 consists of the following parts, under the general title *Series 1 freight containers — Specification and testing*:

- *Part 1: General cargo containers for general purposes*
- *Part 2: Thermal containers*
- *Part 3: Tank containers for liquids, gases and pressurized dry bulk*
- *Part 4: Non-pressurized containers for dry bulk*
- *Part 5: Platform and platform-based containers*
- *Part 6: International cargo-security devices*

Annexes A, B, C, D and E form an integral part of this part of ISO 1496. Annexes F and G are for information only.

Introduction

The following grouping of container types is used for specification purposes in ISO 1496:

Part 1	
General purpose	00 to 09
Specific purpose	
closed, vented/ventilated	10 to 19
open top	50 to 59
Part 2	
Thermal	30 to 49
Part 3	
Tank	70 to 79
Dry bulk, pressurized	85 to 89
Part 4	
Bulk, non-pressurized (box type)	20 to 24
Bulk, non-pressurized (hopper type)	80 to 84
Part 5	
Platform (container)	60
Platform-based with incomplete superstructure and fixed ends	61 and 62
Platform-based with incomplete superstructure and folding ends	63 and 64
Platform-based with complete superstructure	65 to 69

NOTE 1 Containers types 90 to 99 are reserved for air/surface containers (see ISO 8323).

Series 1 freight containers — Specification and testing —

Part 4:

Non-pressurized containers for dry bulk

1 Scope

1.1 This part of ISO 1496 specifies the basic specifications and testing requirements for ISO series 1 freight containers of the dry bulk container non-pressurized type which are suitable for international exchange and for conveyance by road, rail and sea, including interchange between these forms of transport.

1.2 As the density and flow characteristics of dry bulk cargoes vary widely, containers complying with this part of ISO 1496 are not expected to be suitable for the carriage of all such cargoes. Therefore, except where otherwise stated, the requirements of this International Standard are minimum requirements.

Containers to be used for the carriage of dangerous goods may be subject to additional international and national requirements as applied by competent authorities.

1.3 The container types covered by this part of ISO 1496 are given in table 1.

1.4 The marking requirements for these containers shall be in accordance with the principles embodied in ISO 6346.

NOTE 2 Some types of freight containers constructed in accordance with ISO 1496-1 may satisfactorily be used for the transport of certain non-packed dry bulk solids. Where such containers are used for this purpose, it is essential that care be taken to ensure that the design loadings are not exceeded under operating conditions.

Table 1 — Container types

Type	Type code designation ¹⁾	
	Box types	Hopper types
Dry bulk non-pressurized,		
closed	20	80
vented	21	81
ventilated	22	82
airtight	23	83
[spare]	24	84
1) In accordance with ISO 6346.		

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 1496. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 1496 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 668:1988, *Series 1 freight containers — Classification, dimensions and ratings*.

ISO 830:1981, *Freight containers — Terminology*, and its amendments: ISO 830:1981/Amd.1:1984 and ISO 830:1981/Amd.2:1988.

ISO 1161:1984, *Series 1 freight containers — Corner fittings — Specification*.