

<b>STN</b>	<b>Kontajnery</b> <b>Kódovanie, identifikácia a označovanie</b> <b>(ISO 6346: 2022)</b>	<b>STN</b> <b>EN ISO 6346</b>  26 9342
------------	---	---

Freight containers - Coding, identification and marking (ISO 6346:2022)

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. 08/22

Obsahuje: EN ISO 6346:2022, ISO 6346:2022

Oznámením tejto normy sa ruší  
STN EN ISO 6346 (26 9342) z októbra 2001

**135404**



EUROPEAN STANDARD

EN ISO 6346

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2022

ICS 55.180.10

Supersedes EN ISO 6346:1995, EN ISO  
6346:1995/A3:2012

English Version

## Freight containers - Coding, identification and marking (ISO 6346:2022)

Conteneurs pour le transport de marchandises -  
Codage, identification et marquage (ISO 6346:2022)Frachtcontainer - Kodierung, Identifizierung und  
Kennzeichnung (ISO 6346:2022)

This European Standard was approved by CEN on 10 April 2022.

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 6346:2022 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **European foreword**

This document (EN ISO 6346:2022) has been prepared by Technical Committee ISO/TC 104 "Freight containers" in collaboration with Technical Committee CEN/TC 119 "Intermodal Loading Units and Cargo Securing (ILUCS)" the secretariat of which is held by DIN.

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 November 2022, and conflicting national standards shall be withdrawn at the latest by November 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 6346:1995.

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 6346:2022 has been approved by CEN as EN ISO 6346:2022 without any modification.

# INTERNATIONAL STANDARD

# ISO 6346

Fourth edition  
2022-04

---

---

## Freight containers — Coding, identification and marking

*Conteneurs pour le transport de marchandises — Codage,  
identification et marquage*



Reference number  
ISO 6346:2022(E)

© ISO 2022

**ISO 6346:2022(E)****COPYRIGHT PROTECTED DOCUMENT**

© ISO 2022

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](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>2</b>
<b>3 Terms and definitions</b> .....	<b>2</b>
<b>4 Identification system and its associated marks</b> .....	<b>2</b>
4.1 Identification system.....	2
4.1.1 General.....	2
4.1.2 Owner code.....	2
4.1.3 Equipment category identifier.....	2
4.1.4 Serial number.....	3
4.1.5 Check digit.....	3
4.2 Identification marks.....	3
<b>5 Size and type codes and their associated marks</b> .....	<b>3</b>
5.1 Purpose.....	3
5.2 Size and type codes.....	3
5.2.1 General.....	3
5.2.2 Size: two alphanumeric characters.....	3
5.2.3 Type: two characters.....	4
<b>6 Operational marks</b> .....	<b>4</b>
6.1 General.....	4
6.2 Mandatory operational marks.....	4
6.2.1 Maximum gross and tare masses.....	4
6.2.2 Air/surface container symbol.....	4
6.2.3 Warning sign of overhead electrical danger.....	5
6.2.4 Height mark for containers higher than 2,6 m (8 ft 6 in).....	5
6.2.5 Width mark for containers with an overall width greater than 2 438 m (8 ft).....	5
6.3 Optional operational mark (maximum mass of payload).....	5
<b>7 Physical display of marks</b> .....	<b>5</b>
7.1 Size and colour of marks.....	5
7.2 Layout and location of marks.....	6
7.2.1 Layout of marks.....	6
7.2.2 Location of marks.....	9
<b>Annex A (normative) Determination of check digit</b> .....	<b>11</b>
<b>Annex B (normative) Symbol to denote air/surface container</b> .....	<b>13</b>
<b>Annex C (normative) Sign warning of overhead electrical danger</b> .....	<b>14</b>
<b>Annex D (normative) Size code designation</b> .....	<b>15</b>
<b>Annex E (normative) Type Code designation</b> .....	<b>17</b>
<b>Annex F (normative) Height marks for containers higher than 2,6 m (8 ft 6 in)</b> .....	<b>23</b>
<b>Annex G (normative) Overall width marks for containers wider than 2 438 m (8 ft)</b> .....	<b>24</b>
<b>Bibliography</b> .....	<b>25</b>

## ISO 6346:2022(E)

### 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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 104, *Freight containers*, Subcommittee SC 4, *Identification and communication*, in collaboration with European Committee for Standardization (CEN) Technical Committee CEN/TC 119, *Intermodal loading units and Cargo securing (ILUCS)*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 6346:1995), which has been technically revised. It also incorporates the Amendment ISO 6346:1995/Amd 3:2012.

The main changes are as follows:

- Incorporation of previous amendments to the standard to include the provision of markings to identify containers with reduced stacking or racking;
- Inclusion of new markings to identify over width containers;

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](http://www.iso.org/members.html).



# Freight containers — Coding, identification and marking

## 1 Scope

**1.1** This document provides a system for the identification and presentation of information about freight containers. The identification system is intended for general application, for example in documentation, control and communications (including automatic data processing systems), as well as for display on the containers themselves.

The methods of displaying identification and certain other data (including operational data) on containers by means of permanent marks are included.

**1.2** This document specifies:

- a) a container identification system, with an associated system for verifying the accuracy of its use, having:
  - mandatory marks for the presentation of the identification system for visual interpretation, and
  - features to be used in optional Automatic Equipment Identification (AEI) and electronic data interchange (EDI);
- b) a coding system for data on container size and type, with corresponding marks for their display;
- c) operational marks, both mandatory and optional;
- d) physical presentation of marks on the container.

**1.3** The terms “mandatory” and “optional” in this document are used to differentiate those ISO marking provisions which shall necessarily be fulfilled by all containers from those which are not required of all containers. The optional marks are included to further comprehension and promote uniform application of the optional mark. If a choice has been made to display an optional mark, the provisions laid down in this document relating to the mark shall be applied. The terms “mandatory” and “optional” do not refer to requirements of any regulatory body.

**1.4** This document applies to all freight containers covered by International Standards ISO 668, parts 1 to 5 of ISO 1496, ISO 8323 and should, wherever appropriate and practicable, be applied:

- to containers other than those covered by the International Standards mentioned in [Clause 2](#);
- to container-related and/or detachable equipment.

NOTE 1 Containers marked according to previous editions of ISO 6346 need not be re-marked.

**1.5** This document does not cover temporary operational marks of any kind, permanent marks, data plates, etc. which may be required by intergovernmental agreements, national legislation or nongovernmental organizations.

NOTE 2 Some of the major international conventions whose container-marking requirements are not covered in this document are as follows:

- International Convention for Safe Containers (1972, as amended) (CSC), International Maritime Organization (IMO);

## ISO 6346:2022(E)

- Customs Convention on Containers 1956 and 1972, related to temporary admission and transport under customs seal.
- Convention on Temporary Admission (Istanbul, 26 June 1990), related to temporary admission.

It should not be assumed that this list is exhaustive.

This document does not cover the display of technical data on tank containers (see ISO 1496-3), nor does it, in any way, include identification marks or safety signs for items of cargo which may be carried in freight containers.

## 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.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**