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SLOVENSKI STANDARD
oSIST prEN ISO 780:2014

01-november-2014

Embalaža - Embalaža za distribucijo - Grafični simboli za ravnanje in hranjenje embalaže (ISO/DIS 780:2014)

Packaging - Distribution packaging - Graphical symbols for handling and storage of packages (ISO/DIS 780:2014)

Verpackung - Versandverpackung - Graphische Symbole für die Handhabung und Lagerung von Packstücken (ISO/DIS 780:2014)

Emballages - Emballages de distribution - Symboles graphiques pour la manutention et le stockage des emballages (ISO/DIS 780:2014)

Ta slovenski standard je istoveten z: prEN ISO 780

ICS:

01.080.20	Grafični simboli za posebno opremo	Graphical symbols for use on specific equipment
55.020	Pakiranje in distribucija blaga na splošno	Packaging and distribution of goods in general

oSIST prEN ISO 780:2014   **en,de**

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DRAFT INTERNATIONAL STANDARD
ISO/DIS 780

ISO/TC **122**

Secretariat: **JISC**

Voting begins on:
2014-08-14

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2015-01-14

Packaging — Distribution packaging — Graphical symbols for handling and storage of packages

Emballages — Marquages graphiques relatifs à la manutention des marchandises

ICS: 55.020;01.080.99

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Reference number
ISO/DIS 780:2014(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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.

ISO 780 was prepared by Technical Committee ISO/TC 122, Packaging.

This fifth edition cancels and replaces the fourth edition (ISO 780:1997), which has been technically revised.

All the 17 graphical symbols in this International Standard have already been modified to accord with IEC 80416-1:2008 *Basic principles for graphical symbols for use on equipment-Part 1: Creation of graphical symbols for registration* and submitted to TC 145/SC 3 for registration on ISO 7000 *Graphical symbols for use on equipment – Registered symbols*.

Some of the major modification points are indicated as follows:

1) Title:

    New: Packaging – Distribution packages – Graphical symbols for handling and storage of packages
    Old: Packaging – Pictorial marking for handling of goods

"Distribution packages" is preferred to "transport packages" in this standard. The reason is that "transport packages" does not include "stored" packages, for example, in the practice of "transport packages for dangerous goods". ISO 780 concerns with packages during storage as well as those during transport.

"Pictorial marking" is replaced by "graphical symbols" to coincide with TC145's way of addressing pictorial marking.

2) Introduction:

    Statements on safety issue and hand-written symbols have been added.

3) Handling instructions:

    The order of the graphical symbols has been re-arranged in the following order.

    1. Graphical symbols used for large-sized packages
    2. Graphical symbols used for middle and small-sized packages
        - For all types of handling
        - For manual handling
        -For handling using machines

3. Graphical symbols used for both transport and storage
4. Graphical symbols used for storage

To make this standard easier to use, the layout of the table has been changed and each graphical symbol has its Reference No. to ISO 7000, Meaning, Requirement, Note and example of application.

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Introduction

Packages are often marked with handling instructions in the language of the country of origin. While this may safeguard the consignment in the areas using the same language, it is of little value for goods consigned to, or through, countries using different languages, and of no value at all if people handling the packages are illiterate.

Graphical symbols offer the best possibility of conveying the consignor's intention and their adoption will; therefore, undoubtedly reduce loss and damage through incorrect handling. Moreover, graphical symbols help ensure safety of workers, who cannot grasp such important information as structure, gravity centre, property, and strength of a package while handling distribution packages.

The graphical symbols specified are in accordance with the rules of ISO/TC 145/SC 3, *Graphical symbol for use on equipment*.

The use of graphical symbols does not provide any guarantee of satisfactory handling; safely and properly protective packaging is therefore of primary importance.

Distribution packages will deteriorate as time passes and sometimes cannot withstand normal handling before they reach the final destination. In such case, we need to decide whether to stop shipping and storing them or to continue to use them by putting proper graphical symbols on them. In any case, handwritten symbols are partially accepted in this standard so that the proper symbols can be added to do the needful on the spot.

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DRAFT INTERNATIONAL STANDARD

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Packaging – Distribution packaging –Graphical symbols for handling and storage of packages

1   Scope

This International Standard specifies a set of graphical symbols conventionally used for marking of distribution packages in their physical distribution chain to convey handling instructions. The graphical symbols should be used only when necessary.

This International Standard is applicable to packages containing any kind of goods, but does not include instructions specific to handling of dangerous goods.

2   Normative references

The following referenced documents are indispensable for the application 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 2331 *Fork lift trucks – Hook – on type fork arms – Vocabulary*

ISO 4306-1 *Cranes – Vocabulary –Part 1: General*

ISO 5053 *Powered industrial trucks – Terminology*

ISO 7000 *Graphical symbols for use on equipment – Registered symbols*.

ISO 21067 *Packaging - Vocabulary*

3   Graphical Symbols

In order to ensure safe, proper and efficient handling of distribution packages, display, colour, size, number and position of graphical symbols shall be considered.

3.1   Display of graphical symbols

For large packages, graphical symbols should preferably be stencilled directly on the package or may appear on a label. It is recommended that the graphical symbols should be printed, painted or otherwise reproduced as specified in this International Standard. They need not be framed by border lines.

The graphical design of each symbol shall have only one meaning; symbols are purposely designed so that they can also be stencilled without changing the graphics. The change of the graphics, however, is accepted to facilitate the forming of stencil.

3.2   Colour of graphical symbols

The colour used for graphical symbols shall be black.

If the colour of the package is such that the black symbol would not show clearly, a panel of a suitable contrasting colour, preferably white, shall be provided as a background.

Care shall be taken to avoid the use of colours such as red, orange or yellow, which could result in confusion with the labelling of dangerous goods.

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3.3 Size of graphical symbols

For normal purposes the overall height of the graphical symbols shall be 100mm, 150mm or 200mm.

Depending on the size or shape of the package; however, the size of the graphical symbols may be larger or smaller provided that the visibility of the graphical symbols is retained.

Different horizontal/vertical ratio may be applied to enhance the visibility of the graphical symbols provided that the original meaning is retained.

3.4 Number of graphical symbols

For graphical symbols No. 1, 2, 3, 8, and 13, how many graphical symbols shall be placed for a package is specified in Clause 4.

A package shall have a minimum number of types of graphical symbols as needed.

3.5 Position of graphical symbols

For graphical symbols No. 1, 2, 3, 5, 7, 8, 10 and 13, at which position graphical symbols shall be placed on a package is specified in Clause 4.

4 Meaning and requirements of the graphical symbols

Meaning and requirements for each symbol shall be indicated on distribution packages by using the corresponding graphical symbols given in Table 1-4.

4.1 Graphical symbols used for large-sized packages
    See Table 1
4.2 Graphical symbols used for middle and small-sized packages
    - For all types of handling
        See Table 2.1
    - For manual handling
        See Table 2.2
    -For handling using machines
        See Table 2.3
4.3 Graphical symbols used for both transport and storage
    See Table 3
4.4 Graphical symbols used for storage
    See Table 4