International Standard ISO 780

Packaging — Pictorial marking for handling of goods

Emballages — Symboles graphiques relatifs à la manutention des marchandises

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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. Every 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

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

ISO 780 was first published in 1983. This third edition cancels and replaces the second edition, to which the new symbol No. 5 has been added (thereby renumbering old symbols 5 to 12 as 6 to 13 respectively). This third edition also cancels and replaces ISO/R 884-1968 by the publication of new symbol No. 5.

Packaging — Pictorial marking for handling of goods

0 Introduction

Packages are often marked with handling instructions in the language of the country of origin. While this may safeguard the consignment to some extent, 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 only possibility of conveying the consignor's intention and their adoption will, therefore, undoubtedly reduce loss and damage through incorrect handling.

The use of graphical symbols does not provide any guarantee of satisfactory handling; proper protective packing is therefore of primary importance.

1 Scope and field of application

This International Standard specifies a set of symbols, conventionally used for marking of transport packages to convey handling instructions.

It applies to packages containing any kind of goods, but does not include instructions specific to the handling of dangerous goods.

2 Symbols

2.1 Display of the symbols

Symbols may appear on a label or should preferably be stencilled directly on the package[1]. It is recommended that the symbols be painted, printed or otherwise reproduced, as specified in this International Standard. They need not be framed by border lines.

2.2 Colour of the symbols

The colour to be used for symbols is black.

If the colour of the package is such that the 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 which could lead to confusion with the labelling of dangerous goods. The use of red or orange shall be avoided unless existing regional or national regulations expressly lay down such use.

2.3 Size of the symbols

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

The size or shape of the package may, however, necessitate use of larger or smaller sizes for the symbols.

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1) In case of stencilling, the symbols shall be provided with bars if required (see the figure after the table).

2.4 Number, location and position of the symbols

2.4.1 The number of identical symbols to be affixed to any package depends on its size and shape.

For symbols 1, 3, 6 and 8 (see the table), the following rules are to be applied.

Symbol 1 "fragile" shall be shown near the left-hand upper corner on all four upright sides of the packages (see example of display No. 1 in the table).

Symbol 3 "this way up" shall appear in the same position as required for symbol 1 [see example of display a) under No. 3 in the table]. Where both symbols are required, symbol 3 shall appear nearer to the corner [see example of display b) under No. 3 in the table].

Symbol 6 "sling here" shall be placed on at least two opposite faces (see example of display No. 6 in the table).

Symbol 8 "centre of gravity" shall be placed on all six sides relating to the real position of the centre of gravity (see example of display No. 8 in the table).

2.4.2 When transport packages are formed into a unit load, symbols should be located so as to ensure they are visible [see example of display c) under No. 3 in the table].

2.4.3 Particular attention shall be paid to the correct application of the marks, as faulty application may lead to misinterpretation.

Symbols 6 and 8 shall be applied in their correct respective positions and in appropriate respective places in order to convey their meanings clearly and fully.

3 Handling instructions

Handling instructions shall be indicated on transport packages by using the corresponding symbols given in the table. Symbol 1 contains two messages.

If necessary the cautionary basic text may appear below the symbol in the national language of the country of origin and/or destination. However, as far as possible, instructions should be written in languages commonly used in international trade.

Table
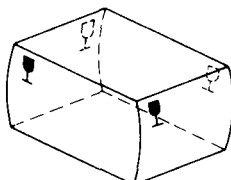
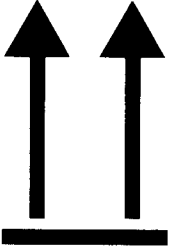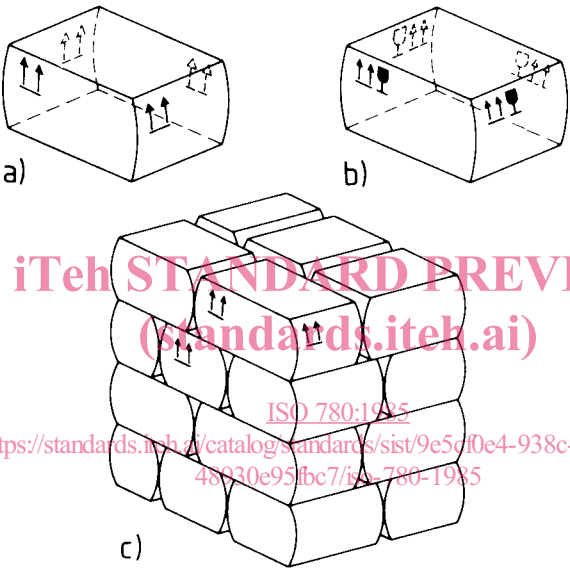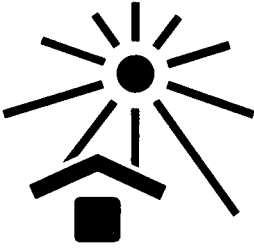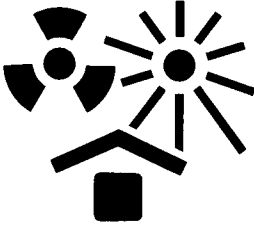| No.	Implication of symbol	Symbol	Function	Remarks
1	FRAGILE HANDLE WITH CARE	 ISO 7000/No. 0621 **Example of display:** 	To indicate : a) that the contents of the transport package are fragile; b) that it has to be handled with care.	
2	USE NO HOOKS	 ISO 7000/No. 0622	To indicate that hooks are prohibited for lifting the transport package.	

Table *(continued)*

No.	Implication of symbol	Symbol	Function	Remarks
3	THIS WAY UP	ISO 7000/No. 0623 Examples of display: a) b) c)	To indicate the correct upright position of the transport package.	
4	KEEP AWAY FROM HEAT	ISO 7000/No. 0624	To indicate that the transport package shall be kept away from heat.	
5	PROTECT FROM HEAT AND RADIOACTIVE SOURCES	ISO 7000/No. 0615	To indicate that the contents of the package may deteriorate or be rendered totally unusable by heat or penetrating radiation.	

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Table (*continued*)
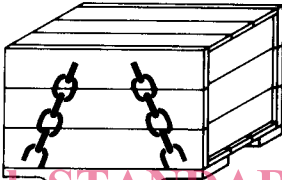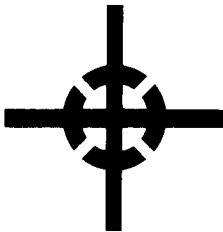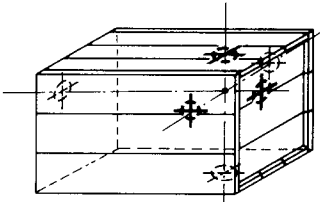
No.	Implication of symbol	Symbol	Function	Remarks
6	SLING HERE	ISO 7000/No. 0625 **Example of display:**	To indicate where the slings shall be placed for lifting the transport package.	See 2.4.1 and 2.4.3
7	KEEP DRY	ISO 7000/No. 0626	To indicate that the transport package shall be kept in a dry environment.	
8	CENTRE OF GRAVITY	ISO 7000/No. 0627 **Example of display :**	To indicate the centre of gravity of the transport package. NOTE — Example for display of symbol 8 to indicate the centre of gravity of a transport package : in this case not identical with the centre of gravity assumed by the geometrical shape of package, but situated at the intersection points of the axes of the three symbols.	See 2.4.1 and 2.4.3

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Table (*continued*)
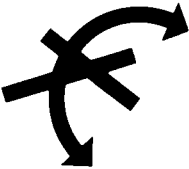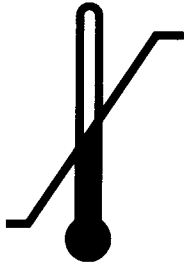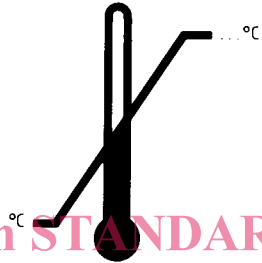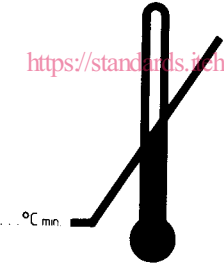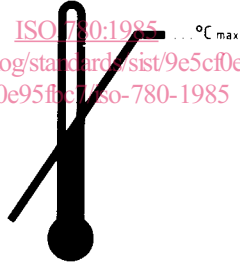
No.	Implication of symbol	Symbol	Function	Remarks
9	DO NOT ROLL	ISO 7000/No. 0628	To indicate that the transport package shall not be rolled.	
10	NO HAND TRUCK HERE	ISO 7000/No. 0629	To indicate where hand trucks or dollies shall not be placed when handling the transport package.	
11	STACKING LIMITATION	kg max ISO 7000/No. 0630	To indicate the limited stacking possibilities of the transport package.	
12	CLAMP HERE	ISO 7000/No. 0631	To indicate where clamps shall be placed for handling the transport package.	

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Table (*concluded*)

No.	Implication of symbol	Symbol	Function	Remarks
13	TEMPERATURE LIMITATIONS	ISO 7000/No. 0632 Examples:	To indicate the temper-ature limitations within which the transport package shall be kept and handled.	

Symbol 6
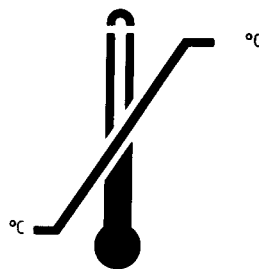
Symbol 13

Figure — Examples for symbols with bars for application by stencilling