# **INTERNATIONAL STANDARD**

ISO 7010

Second edition 2011-06-01

# raphical symbols — Safety colours and safety signs — Registered safety signs Symboles graphiques — Couleurs de sécurité et signaux de sécurité enregistres de sécurité enregi

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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 7010 was prepared by Technical Committee ISO/TC 145, Graphical symbols, Subcommittee SC 2, Safety identification, signs, shapes, symbols and colours.

30. Click to view This second edition cancels and replaces the first edition (ISO 7010:2003), as well as ISO 6309:1987. It also incorporates the Amendments

ISO 7010:2003/Amd. 1:2006,

ISO 7010:2003/Amd. 2:2007,

ISO 7010:2003/Amd. 3:2007,

ISO 7010:2003/Amd. 4:2009,

ISO 7010:2003/Amd. 5:2010,

ISO 7010:2003/Amd. 6:2010

ISO 7010:2003/Amd. 7:2010, and

ISO 7010:2003/Amd. 8:2011.

# Introduction

There is a need to standardize a system of giving safety information that relies as little as possible on the use of words to achieve understanding.

Continued growth in international trade, travel and mobility of labour requires a common method of communicating safety information.

Lack of standardization may lead to confusion and the risk of accidents.

The use of standardized safety signs does not replace proper work methods, instructions and accident prevention training or measures. Education is an essential part of any system that provides safety information.

The safety signs are intended for use only where there is a risk to people. They may appear in safety signage in workplaces and public areas, safety manuals and notices, product labelling and escape and evacuation plans, as appropriate.

This International Standard is intended to be used by all Technical Committees within ISO charged with developing specific safety signing for their industry, to ensure that there is only one safety sign for each safety meaning. It is also intended that this International Standard be revised regularly to include safety signs as they are standardized by ISO, and which conform to the design principles given in ISO 3864.

The safety signs in this International Standard have been validated by ISO/TC 145/SC 2 according to procedures of standardization current at the time of publication.

NOTE 1 Some countries' statutory regulations may differ in some respects from those given in this International Standard.

NOTE 2 Information on procedures, criteria of acceptability, safety sign templates and application of safety signs are given on the website: <a href="http://www.iso.org/tc145/sc2">http://www.iso.org/tc145/sc2</a>.

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# Graphical symbols — Safety colours and safety signs — Registered safety signs

IMPORTANT — The colours represented in the electronic file of this International Standard can be neither viewed on screen nor printed as true representations. Although the copies of this International Standard printed by ISO have been produced to correspond (with an acceptable tolerance as judged by the naked eye) to the requirements of ISO 3864-4, it is not intended that these printed copies be used for colour matching. Instead consult ISO 3864-4 which provides colorimetric and photometric properties together with, as a guideline, references from colour order systems.

# 1 Scope

This International Standard prescribes safety signs for the purposes of accident prevention, fire protection, health hazard information and emergency evacuation.

The shape and colour of each safety sign are according to \$0 3864-1 and the design of the graphical symbols is according to ISO 3864-3.

This International Standard is applicable to all locations where safety issues related to people need to be addressed. However, it is not applicable to the signalling used for guiding rail, road, river, maritime and air traffic and, in general, to those sectors subject to a regulation which may differ with regard to certain points of this International Standard and of the ISO 3864 series.

This International Standard specifies the safety sign originals that may be scaled for reproduction and application purposes.

# 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 3864-1 Graphical symbols — Safety colours and safety signs — Part 1: Design principles for safety signs and safety markings

ISO 38643, Graphical symbols — Safety colours and safety signs — Part 3: Design principles for graphical symbols for use in safety signs

ISO 3864-4, Graphical symbols — Safety colours and safety signs — Part 4: Colorimetric and photometric properties of safety sign materials

ISO 17724, Graphical symbols — Vocabulary

# 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 17724 and the following apply.

#### 3.1

#### image content

written description of the elements of a graphical symbol or safety sign and their relative disposition

#### 3.2

#### referent

idea or object that a graphical symbol is intended to represent

#### 3.3

#### safety sign

sign giving a general safety message, obtained by a combination of a colour and geometric shape and which, by the addition of a graphical symbol, gives a particular safety message

#### 3.4

#### safety sign original

safety sign with which a referent, a graphical representation and a description of the application are associated

#### 3.5

#### supplementary sign

sign that is supportive of another sign and the main purpose of which is to provide additional clarification

# 4 Referents and categorization of safety signs

#### 4.1 General

The summaries in 4.2 and 4.3 are provided to facilitate the search for registered safety signs.

This International Standard will be maintained electronically through the use of a database. The indexes of this database will be used in these summaries as search engines with each registered safety sign having a unique reference number<sup>1)</sup>.

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<sup>1)</sup> The registered safety signs can be found at <a href="http://cdb.iso.org">http://cdb.iso.org</a>.

# 4.2 Referent (safety meaning)

Table 1 gives the list of referents in alphabetical order and provides the safety sign functional reference number.

Table 1 — Summary of referents in alphabetical order

| Referent<br>(safety meaning)  | Functional reference number |
|---|-----------------------------|
| Automated external heart defibrillator                                | E010                        |
| Automatic start-up, warning   | W018                        |
| Battery charging, warning   | W026                        |
| Biological hazard, warning  | wode                        |
| Break to obtain access  | E008                        |
| Connect an earth terminal to the ground                               | M005                        |
| Corrosive substance, warning  | W023                        |
| Counterrotating rollers, warning                                      | W025                        |
| Crushing, warning   | W019                        |
| Crushing of hands, warning  | W024                        |
| Disconnect before carrying out maintenance or repair                  | M021                        |
| Disconnect mains plug from electrical outlet                          | M006                        |
| Doctor  | E009                        |
| Do not alter the state of the switch                                  | P031                        |
| Do not extinguish with water  | P011                        |
| Do not obstruct   | P023                        |
| Do not tie knots in rope  | P030                        |
| Do not touch  | P010                        |
| Do not use for face grinding  | P032                        |
| Do not use for wet grinding   | P033                        |
| Do not use lift in the event of fire                                  | P020                        |
| Do not use this device in a bathtub, shower or water-filled reservoir | P026                        |
| Do not use this incomplete scaffold                                   | P025                        |
| Do not use this lift for people                                       | P027                        |
| Do not use with hand-held grinding machine                            | P034                        |
| Do not walk or stand here   | P024                        |
| Do not wear gloves  | P028                        |
| Drop (fall), warning  | W008                        |
| Electricity, warning  | W012                        |
| Emergency exit (left hand)  | E001                        |
| Emergency exit (right hand)   | E002                        |
| Emergency telephone   | E004                        |
| Emergency window with escape ladder                                   | E016                        |

Table 1 (continued)

| Referent<br>(safety meaning)                                     | Functional reference number |
|--|-----------------------------|
| Evacuation assembly point  | E007                        |
| Explosive material, warning                                      | W002                        |
| Eyewash station  | E011                        |
| Fire alarm call point  | F005                        |
| Fire emergency telephone   | F006                        |
| Fire extinguisher  | F001                        |
| Firefighting equipment, collection of                            | F004                        |
| Fire hose reel   | F002                        |
| Fire ladder  | F003                        |
| First aid  | E903                        |
| Flammable material, warning                                      | W021                        |
| Floor-level obstacle, warning                                    | ✓ W007                      |
| Forklift trucks and other industrial vehicles, warning           | W014                        |
| General mandatory action sign                                    | M001                        |
| General prohibition sign   | P001                        |
| General warning sign   | W001                        |
| Guard dog, warning   | W013                        |
| Hot surface, warning   | W017                        |
| Laser beam, warning  | W004                        |
| Low temperature/freezing conditions, warning                     | W010                        |
| Magnetic field, warning  | W006                        |
| No access for forklift trucks and other industrial vehicles      | P006                        |
| No access for people with active implanted cardiac devices       | P007                        |
| No access for people with metallic implants                      | P014                        |
| No activated mobile phones                                       | P013                        |
| No dogs  | P021                        |
| No eating or drinking  | P022                        |
| No heavy load  | P012                        |
| No metallic articles or watches                                  | P008                        |
| No open flame; Fire, open ignition source and smoking prohibited | P003                        |
| No photography   | P029                        |
| No pushing   | P017                        |
| No reaching in   | P015                        |
| No sitting   | P018                        |
| No smoking   | P002                        |
| No stepping on surface   | P019                        |
| No thoroughfare  | P004                        |

Table 1 (continued)

| Referent<br>(safety meaning)                        | Functional reference number |
|---|-----------------------------|
| Non-ionizing radiation, warning                     | W005                        |
| Not drinking water                                  | P005                        |
| Opaque eye protection must be worn                  | M007                        |
| Optical radiation, warning                          | W027                        |
| Overhead load, warning                              | W015                        |
| Overhead obstacle, warning                          | W020                        |
| Oxidizing substance, warning                        | W028                        |
| Pressurized cylinder, warning                       | W029                        |
| Protect infants' eyes with opaque eye protection    | M025                        |
| Radioactive material or ionizing radiation, warning | W003                        |
| Refer to instruction manual/booklet                 | M002                        |
| Rescue window                                       | E017                        |
| Safety shower                                       | E012                        |
| Sharp element, warning                              | W022                        |
| Slippery surface, warning                           | W011                        |
| Stretcher   | E013                        |
| Toxic material, warning                             | W016                        |
| Turn anticlockwise to open                          | E018                        |
| Turn clockwise to open                              | E019                        |
| Use barrier cream                                   | M022                        |
| Use footbridge                                      | M023                        |
| Use handrail  | M012                        |
| Use protective apron                                | M026                        |
| Use this walkway                                    | M024                        |
| Wash your hands                                     | M011                        |
| Wear ear protection                                 | M003                        |
| Wear eye protection                                 | M004                        |
| Wear a face shield                                  | M013                        |
| Wear head protection                                | M014                        |
| Wear high-visibility clothing                       | M015                        |
| Wear a mask   | M016                        |
| Wear protective clothing                            | M010                        |
| Wear protective gloves                              | M009                        |
| Wear respiratory protection                         | M017                        |
| Wear safety belts                                   | M020                        |
| Wear safety footwear                                | M008                        |
| Wear a safety harness                               | M018                        |
| Wear a welding mask                                 | M019                        |

#### 4.3 Categorization of safety signs

Safety signs are categorized according to their function as follows:

- E is the category for signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs);
- F is the category for fire equipment signs;
- M is the category for mandatory action signs;
- P is the category for prohibition signs;
- W is the category for warning signs.

Table 2 summarizes the registered safety signs in terms of safety sign category in accordance with ISO 3864-1.

# 5 Registered safety signs

Tables 3 to 7 give safety sign originals in a uniform 70 mm size with corner marks to enable accurate enlargement and reduction scaling. The sign illustrations are shown without borders in order to allow for consistent reproduction scaling, though a border can be useful to achieve a luminance contrast between the safety sign and its background when mounted or displayed. The safety signs should be reproduced exactly as shown in Tables 3 to 7. However some degree of graphical modification is permitted when cultural differences or special application formats need to be considered, provided the original meaning is retained and comprehension of the safety sign is maintained. Consistent reproduction and use of these safety signs will lead to a progressively improved degree of comprehension at the international level.

In cases where the orientation of the graphical symbol is not essential to the meaning of the safety sign, the graphical symbol may be reproduced in a mirrored form. For prohibition signs, it is essential that the prohibition bar does not obscure significant details of the graphical symbol.

NOTE The graphical symbol is the complete image containing all the graphical symbol elements as shown in the registered safety sign.

Where a registered safety sign is not available to indicate a particular desired meaning, the meaning shall be obtained either by developing a new safety sign following the design principles of ISO 3864-1 and ISO 3864-3 or by using the appropriate general sign (ISO 7010-M001, -P001, -W001), together with supplementary safety information.

Tables 3 to 7 present the safety sign originals according to their category as follows:

| <br>Ε | Signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs) | see Table 3 |
|-------|--|-------------|
| <br>F | Fire equipment signs   | see Table 4 |
| <br>M | Mandatory action signs   | see Table 5 |
| <br>Р | Prohibition signs  | see Table 6 |
| <br>W | Warning signs  | see Table 7 |

Tables 3 to 7 also give a description of the application of each safety sign.

Table 2 — Summary of all safety signs

|  | Category   |                                      |   |   |   |
|--|--|--------------------------------------|---|---|---|
|  | E  | F                                    | М                                       | Р   | w   |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs              | Mandatory action signs                  | Prohibition signs   | Warning signs   |
| Safety sign                                      | 次.   |                                      | 0                                       |   |   |
| Reference number                                 | E001   | F001                                 | M001                                    | P004  | W001  |
| Referent   | Emergency exit<br>(left hand)  | Fire extinguisher                    | General mandatory action sign           | General prohibition sign  | General warning sign                                      |
| Safety sign                                      | 3.   |                                      |   |   |   |
| Reference number                                 | E002   | F002                                 | M002                                    | P002  | W002  |
| Referent   | Emergency exit (right hand)  | Fire hose reel                       | Refer to instruction manual/booklet     | No smoking  | Warning;<br>Explosive material                            |
| Safety sign                                      |  | TITE                                 |   |   |   |
| Reference number                                 | E003   | F003                                 | M003                                    | P003  | W003  |
| Referent   | First aid  | Fire ladder                          | Wear ear protection                     | No open flame;<br>Fire, open ignition<br>source and smoking<br>prohibited | Warning;<br>Radioactive material<br>or ionizing radiation |
| Safety sign                                      | +  |                                      |   | (X)   | **  |
| Reference number                                 | E004   | F004                                 | M004                                    | P004  | W004  |
| Referent   | Emergency<br>telephone   | Collection of firefighting equipment | Wear eye protection                     | No thoroughfare   | Warning;<br>Laser beam                                    |
| Safety sign                                      | withdrawn  |                                      |   |   |   |
| Reference number                                 | E005   | F005                                 | M005                                    | P005  | W005  |
| Referent   | Direction, arrow (90° increments), safe condition  | Fire alarm call point                | Connect an earth terminal to the ground | Not drinking water  | Warning;<br>Non-ionizing<br>radiation                     |

Table 2 (continued)

|  |  | <u> </u>                    | Category                                     |   | 1   |
|--|--|-----------------------------|--|---|---|
|  | E  | F                           | M  | Р   | w   |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs     | Mandatory action signs                       | Prohibition signs   | Warning signs                                       |
| Safety sign                                      | withdrawn  |                             |  |   |   |
| Reference number                                 | E006   | F006                        | M006   | P006  | W006  |
| Referent   | Direction, 45° arrow<br>(90° increments),<br>safe condition  | Fire emergency<br>telephone | Disconnect mains plug from electrical outlet | No access for forklift<br>trucks and other<br>industrial vehicles | Warning;<br>Magnetic field                          |
| Safety sign                                      | V K  | 1                           |  | G.  | <u>~</u>  |
| Reference number                                 | E007   | _                           | M007   | P007  | W007  |
| Referent   | Evacuation assembly point  | 1                           | Opaque eye<br>protection must be<br>worn     | No access for people with active implanted cardiac devices        | Warning;<br>Floor-level obstacle                    |
| Safety sign                                      | XIII.  | -Click                      |  |   |   |
| Reference number                                 | E008   | C –                         | M008   | P008  | W008  |
| Referent   | Break to obtain access   | )· –                        | Wear safety footwear                         | No metallic articles or watches                                   | Warning;<br>Drop (fall)                             |
| Safety sign                                      |  | _                           |  | in the process  |   |
| Reference number                                 | E009   | _                           | M009   | _   | W009  |
| Referent   | Doctor   | _                           | Wear protective gloves                       | _   | Warning;<br>Biological hazard                       |
| Safety sign                                      | <b>63</b>  | _                           |  |   | *   |
| Reference number                                 | E010   | _                           | M010   | P010  | W010  |
| Referent   | Automated external<br>heart defibrillator  | _                           | Wear protective clothing                     | Do not touch  | Warning;<br>Low temperature/<br>freezing conditions |

Table 2 (continued)

|  | Category   |                         |                               |   |   |
|--|--|-------------------------|-------------------------------|---|---|
|  | E  | F                       | М                             | Р   | w   |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs | Mandatory action signs        | Prohibition signs                                 | Warning signs   |
| Safety sign                                      | 4 0  |                         | T.                            |   |   |
| Reference number                                 | E011   | _                       | M011                          | P0(1)   | W011  |
| Referent   | Eyewash station  | _                       | Wash your hands               | Do not extinguish with water                      | Warning;<br>Slippery surface                                    |
| Safety sign                                      | <b>—</b>   | П                       |                               |   | A   |
| Reference number                                 | E012   | _                       | M012                          | P012  | W012  |
| Referent   | Safety shower  | -                       | Use handrail                  | No heavy load                                     | Warning;<br>Electricity   |
| Safety sign                                      | +  | i. Prince               |                               |   |   |
| Reference number                                 | E013   | _                       | M013                          | P013  | W013  |
| Referent   | Stretcher  | _                       | Wear a face shield            | No activated mobile phones                        | Warning;<br>Guard dog   |
| Safety sign                                      | in the process   | _                       |                               |   |   |
| Reference number                                 | _  | _                       | M014                          | P014  | W014  |
| Referent   | _  | _                       | Wear head<br>protection       | No access for people<br>with metallic<br>implants | Warning;<br>Forklift trucks and<br>other industrial<br>vehicles |
| Safety sign                                      | in the process   | -                       |                               | [Esy  |   |
| Reference number                                 | _  | _                       | M015                          | P015  | W015  |
| Referent   | _  | _                       | Wear high-visibility clothing | No reaching in                                    | Warning;<br>Overhead load                                       |

Table 2 (continued)

|  | Category   |                         |  |                                      |                                |
|--|--|-------------------------|--|--------------------------------------|--------------------------------|
|  | E  | F                       | М  | Р                                    | w                              |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs | Mandatory action signs                       | Prohibition signs                    | Warning signs                  |
| Safety sign                                      |  | _                       |  | in the process                       |                                |
| Reference number                                 | E016   | _                       | M016   | - 40                                 | W016                           |
| Referent   | Emergency window with escape ladder  | _                       | Wear a mask                                  | -,00                                 | Warning;<br>Toxic material     |
| Safety sign                                      |  | _                       |  |                                      | SSS                            |
| Reference number                                 | E017   | _                       | M017   | P017                                 | W017                           |
| Referent   | Rescue window  | _                       | Wear respiratory protection                  | No pushing                           | Warning;<br>Hot surface        |
| Safety sign                                      | 1  | -click                  |  |                                      | 0                              |
| Reference number                                 | E018   | COM-                    | M018   | P018                                 | W018                           |
| Referent   | Turn anticlockwise to open   | ). –                    | Wear a safety<br>harness                     | No sitting                           | Warning;<br>Automatic start-up |
| Safety sign                                      | A DE POSTO   | _                       |  | (12)                                 |                                |
| Reference number                                 | E019   | _                       | M019   | P019                                 | W019                           |
| Referent   | Turn clockwise<br>to open  | _                       | Wear a welding<br>mask                       | No stepping on surface               | Warning;<br>Crushing           |
| Safety sign                                      | -  | -                       | <b>□</b> □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ |                                      |                                |
| Reference number                                 | _  | _                       | M020   | P020                                 | W020                           |
| Referent   | _  | _                       | Wear safety belts                            | Do not use lift in the event of fire | Warning;<br>Overhead obstacle  |

Table 2 (continued)

|  | Category   |                         |  |                                     |  |
|--|--|-------------------------|--|-------------------------------------|--|
|  | E  | F                       | М  | Р                                   | w                                      |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs | Mandatory action signs                                 | Prohibition signs                   | Warning signs                          |
| Safety sign                                      | _  | _                       |  |                                     |  |
| Reference number                                 | _  | _                       | M021   | P021                                | W021                                   |
| Referent   | _  | _                       | Disconnect before carrying out maintenance or repair   | No dogs                             | Warning;<br>Flammable material         |
| Safety sign                                      | _  | _                       |  |                                     |  |
| Reference number                                 | _  | _                       | M022   | P022                                | W022                                   |
| Referent   | _  | - jie                   | Use barrier cream                                      | No eating or drinking               | Warning;<br>Sharp element              |
| Safety sign                                      | 1  | V. Click to             |  |                                     |  |
| Reference number                                 | _ 0  | _                       | M023   | P023                                | W023                                   |
| Referent   |  | _                       | Use footbridge   | Do not obstruct                     | Warning;<br>Corrosive substance        |
| Safety sign                                      | 20 -   | _                       | **   |                                     |  |
| Reference number                                 | _  | _                       | M024   | P024                                | W024                                   |
| Referent   | _  | _                       | Use this walkway                                       | Do not walk or stand here           | Warning;<br>Crushing of hands          |
| Safety sign                                      | _  | -                       |  |                                     |  |
| Reference number                                 | _  | _                       | M025   | P025                                | W025                                   |
| Referent   | _  | _                       | Protect infants' eyes<br>with opaque eye<br>protection | Do not use this incomplete scaffold | Warning;<br>Counterrotating<br>rollers |

Table 2 (continued)

|  | Category   |                         |                        |  |                                  |
|--|--|-------------------------|------------------------|--|----------------------------------|
|  | E  | F                       | M                      | Р  | w                                |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs | Mandatory action signs | Prohibition signs  | Warning signs                    |
| Safety sign                                      | I  | _                       |                        |  |                                  |
| Reference number                                 | _  | _                       | M026                   | P026   | W026                             |
| Referent   | Ι  | П                       | Use protective apron   | Do not use this<br>device in a bathtub,<br>shower, or water-<br>filled reservoir | Warning;<br>Battery charging     |
| Safety sign                                      |  | _                       | rienthe full           | (  | *                                |
| Reference number                                 | _  | _                       | and li                 | P027   | W027                             |
| Referent   | _  | _                       | Jie -                  | Do not use this lift for people  | Warning;<br>Optical radiation    |
| Safety sign                                      | _  | Con Click               | _                      |  |                                  |
| Reference number                                 | _ (  | _                       | _                      | P028   | W028                             |
| Referent   | - 615  | _                       | _                      | Do not wear gloves   | Warning;<br>Oxidizing substance  |
| Safety sign                                      | AND ARDS   | -                       | _                      |  |                                  |
| Reference number                                 | _  | _                       | _                      | P029   | W029                             |
| Referent   | _  | _                       | _                      | No photography   | Warning;<br>pressurized cylinder |
| Safety sign                                      | _  | _                       | _                      |  | -                                |
| Reference number                                 | _  | _                       | _                      | P030   | _                                |
| Referent   | _  | _                       | _                      | Do not tie knots<br>in rope  | _                                |
|  |  |                         |                        | шторс  |                                  |

Table 2 (continued)

|  |  |                         | Category               |  |               |
|--|--|-------------------------|------------------------|--|---------------|
|  | E  | F                       | М                      | Р  | w             |
| Safety sign,<br>reference number<br>and referent | Evacuation route,<br>location of safety<br>equipment or<br>safety facility,<br>safety action (safe<br>condition signs) | Fire equipment<br>signs | Mandatory action signs | Prohibition signs                                | Warning signs |
| Safety sign                                      | _  | _                       | _                      |  | -             |
| Reference number                                 | _  | _                       | _                      | P031   | _             |
| Referent   | _  | _                       | - 4                    | Do not alter the state of the switch             | _             |
| Safety sign                                      | _  | _                       | Athe full PD.          |  | -             |
| Reference number                                 | _  | - 0                     | _                      | P032   | _             |
| Referent   | _  | -70                     | _                      | Do not use for face grinding                     | _             |
| Safety sign                                      | - 0  | V                       | _                      | H S  | _             |
| Reference number                                 | S  | _                       | _                      | P033   | _             |
| Referent   | 2051-  | _                       | _                      | Do not use for<br>wet grinding                   | _             |
| Safety sign                                      | _  | _                       | _                      |  | _             |
| Reference number                                 | _  | _                       | _                      | P034   | _             |
| Referent   | _  | _                       | _                      | Do not use with<br>hand-held grinding<br>machine | _             |

Table 3 — Description and application of referent for signs indicating an evacuation route, the location of safety equipment or a safety facility, or a safety action (safe condition signs) (category E)



ISO 7010-E001

Referent

Emergency exit (left hand)

# **Function**

To indicate an escape route to a place of safety

#### Image content

Human figure moving (to the left) through doorway

#### Hazard

Not being able to locate an escape route to a place of safety which is provided for evacuation in the event of an emergency

#### Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an escape route to a place of safety in the event of an emergency

#### Related referents

ISO 7010-E002, ISO 7010-E016, ISO 7010-E017

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. However, this safety sign has been the subject of extensive research in Japan and the design selected has received the best comprehension results. A supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Supplementary arrow sign (type D of ISO 3864-3) in white on green to be used to give directional information (direction examples, the arrows may be rotated in increments of 45°):





Table 3 (continued)



#### ISO 7010-E002

#### Referent

# **Emergency exit (right hand)**

#### **Function**

To indicate an escape route to a place of safety

#### Image content

Human figure moving (to the right) through doorway

#### Hazard

Not being able to locate an escape route to a place of safety which is provided for evacuation in the event of an emergency

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an escape route to a place of safety in the event of an emergency

# Related referents

ISO 7010-E001, ISO 7010-E016, ISO 7010-E017

# Additional information

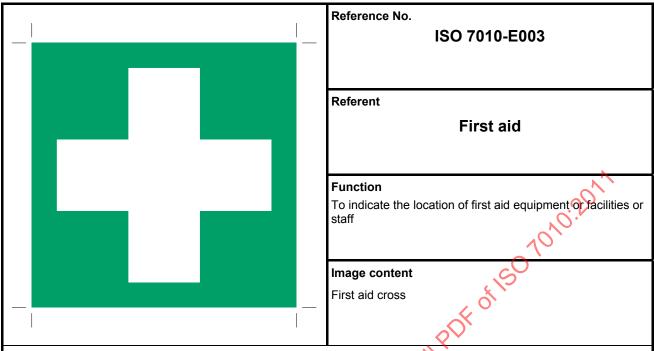
Test data obtained according to ISO 9186-1:2007 are not available. However, this safety sign has been the subject of extensive research in Japan and the design selected has received the best comprehension results. A supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Supplementary arrow sign (type D of ISO 3864-3) in white on green to be used to give directional information (direction examples, the arrows may be rotated in increments of 45°):





Table 3 (continued)



#### Hazard

Not being able to locate first aid equipment or facilities or staff in the event of injury or emergency

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of first aid equipment or facilities or staff

#### Related referents

ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013

#### Additional information

This safety sign should be used for first aid equipment or facilities or staff for which/whom there is no registered safety sign.

The first aid cross may be replaced with another element appropriate to cultural requirements.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 3 (continued)



#### ISO 7010-E004

#### Referent

# **Emergency telephone**

#### **Function**

To indicate the location of an emergency telephone

#### Image content

Telephone receiver (profile), first aid cross

#### Hazard

Not being able to locate a telephone which is provided for use in the event of an emergency

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an emergency telephone

#### Related referents

ISO 7010-E003, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013, ISO 7010-F006

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

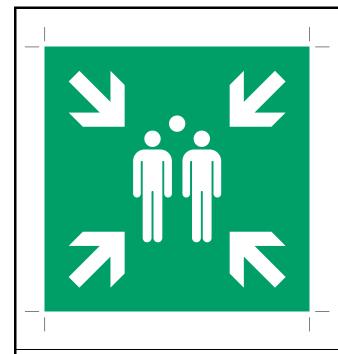
# Table 3 (continued)

|  | Reference No.   |
|--|---|
| withdrawn  | ISO 7010-E005   |
|  |   |
|  | Referent  |
|  | Direction,<br>arrow (90° increments),<br>safe condition |
|  | Function 1010:2011                                      |
|  | Image content   |
| Hazard   |   |
| Human behaviour that is intended to be caused after understanding the safety sign's meaning  Related referents |   |
| Related referents  |   |
| Additional information   |   |
| This sign has been withdrawn as a registered safety sign, since it is to be used as a supplementary sign only. |   |

# Table 3 (continued)

|  | Reference No.   |
|--|---|
| withdrawn  | ISO 7010-E006   |
|  |   |
|  | Referent  |
|  | Direction,<br>45° arrow (90° increments),<br>safe condition |
|  | Function 1010:2011  |
|  | Image content   |
| Hazard   | full  |
| Human behaviour that is intended to be caused after understanding the safety sign's meaning                    |   |
| Related referents  |   |
| Additional information   |   |
| This sign has been withdrawn as a registered safety sign, since it is to be used as a supplementary sign only. |   |

Table 3 (continued)



#### ISO 7010-E007

#### Referent

# **Evacuation assembly point**

#### **Function**

To indicate the location of a safe assembly point following evacuation

#### Image content

Two human figures and a head of a third figure in a group, four arrows coming from the corners pointing to them

#### Hazard

Not being able to locate a safe assembly point following evacuation

# Human behaviour that is intended to be caused after understanding the safety sign's meaning

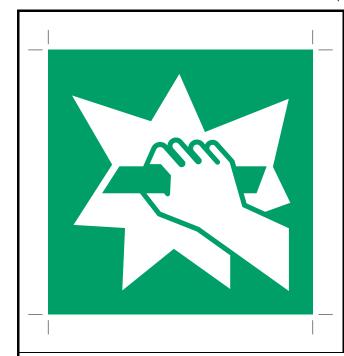
Being aware of the evacuation assembly point which is provided to enable people to be accounted for following the evacuation of a building or premises

# Related referents

# **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



#### ISO 7010-E008

#### Referent

#### Break to obtain access

#### **Function**

To indicate a cover which requires breaking to obtain access to an emergency exit device

#### Image content

Human fist and lower arm (outlined) holding a bar, uneven star shape

#### Hazard

Not being able to open an emergency exit device

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Breaking the cover to gain access to the device that operates an emergency exit in the event of an emergency

#### **Related referents**

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



ISO 7010-E009

Referent

**Doctor** 

Function

To indicate the location of a doctor for emergencies

Image content

Upper human figure with stethoscope, first aid cross

#### Hazard

Not being able to locate an emergency doctor

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an emergency doctor

#### Related referents

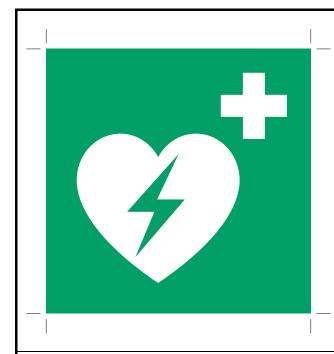
ISO 7010-E003, ISO 7010-E004, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



ISO 7010-E010

#### Referent

#### Automated external heart defibrillator

#### **Function**

To indicate the location of an automated external heart defibrillator

#### Image content

Heart with lightning bolt in the middle, first aid cross

#### Hazard

Not being able to locate an automated external heart defibrillator ?

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an automated external hear defibrillator

#### Related referents

ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E011, ISO 7010-E012, ISO 7010-E013

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



ISO 7010-E011

#### Referent

# **Eyewash station**

#### **Function**

To indicate the location of an eyewash station

#### Image content

Eye above running water coming out of a shower head, first aid cross

#### Hazard

Not being able to locate an eyewash station

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an eyewash station

#### Related referents

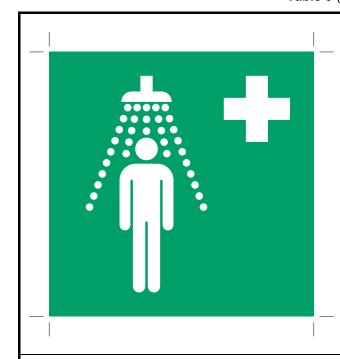
ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E012, ISO 7010-E013

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



ISO 7010-E012

#### Referent

# Safety shower

#### **Function**

To indicate the location of a safety shower

#### Image content

Human figure under running water coming out of a shower head, first aid cross

#### Hazard

Not being able to locate a safety shower

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a safety shower

#### Related referents

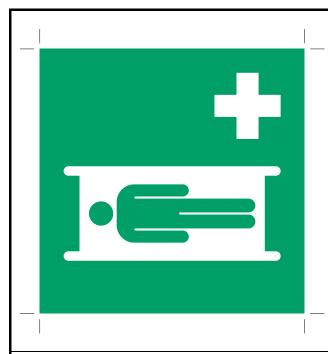
ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E013

#### Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



ISO 7010-E013

Referent

Stretcher

Function

To indicate the location of a stretcher

Image content

Human figure on a stretcher, first aid cross

Hazard

Not being able to locate a stretcher

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a stretcher

Related referents

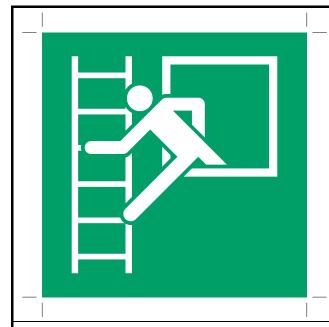
ISO 7010-E003, ISO 7010-E004, ISO 7010-E009, ISO 7010-E010, ISO 7010-E011, ISO 7010-E012

Additional information

The first aid cross may be replaced with another element appropriate to cultural requirements of the target group.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

#### Table 3 (continued)



#### Reference No.

#### ISO 7010-E016

#### Referent

# **Emergency window with escape ladder**

#### **Function**

To indicate the location of an emergency window for escape with a permanently fixed escape ladder

#### Image content

Human figure, window and a ladder on the left

#### Hazard

Not being able to locate an emergency window for escape in the event of an emergency

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of an emergency window in the event of an emergency

#### Related referents

ISO 7010-E001, ISO 7010-E002, ISO 7010-E017

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

#### Table 3 (continued)



#### Reference No.

#### ISO 7010-E017

#### Referent

#### Rescue window

#### **Function**

To indicate the location of a rescue window, where people can be rescued by a ladder by intervention forces

#### Image content

Human figure, window, firefighting vehicle with ladder

#### Hazard

Not being able to locate a rescue window to be rescued by intervention forces in the event of an emergency evacuation

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a rescue window

#### Related referents

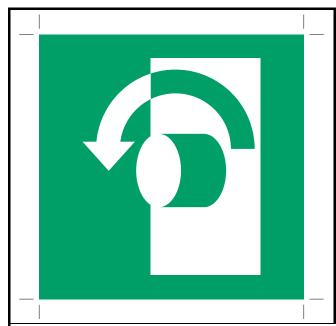
ISO 7010-E001, ISO 7010-E002, ISO 7010-E016

#### **Additional information**

This safety sign has to be placed inside the building.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 3 (continued)



#### ISO 7010-E018

#### Referent

# Turn anticlockwise to open

#### **Function**

To signify that the doorknob of a security door on an escape route must be turned in an anticlockwise direction in order for the opening device to operate

#### Image content

Doorknob with semicircular anticlockwise arrow

#### Hazard

Being unable to open a door on an escape route which has a security lock and an emergency opening device, in the event of an emergency

#### Human behaviour that is intended to be caused after understanding the safety sign's meaning

Turning the doorknob in an anticlockwise direction in order to open a door on an escape route which has a security lock, in the event of an emergency

## Related referents

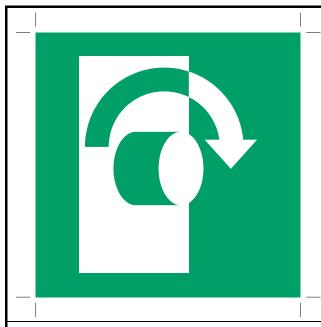
ISO 7010-E019

## **Additional information**

This safety sign is intended to be used only on doors with a security locking mechanism.

Test data obtained according to SO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

#### Table 3 (continued)



#### Reference No.

#### ISO 7010-E019

# Referent

# Turn clockwise to open

#### **Function**

To signify that the doorknob of a security door on an escape route must be turned in a clockwise direction in order for the opening device to operate

#### Image content

Doorknob with semicircular clockwise arrow

#### Hazard

Being unable to open a door on an escape route which has a security lock and an emergency opening device, in the event of an emergency

# Human behaviour that is intended to be caused after understanding the safety sign's meaning

Turning the doorknob in a clockwise direction in order to open a door on an escape route which has a security lock, in the event of an emergency

## Related referents

ISO 7010-E018

## Additional information

This safety sign is intended to be used only on doors with a security locking mechanism.

Test data obtained according to ISO 9186-1,2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 4 — Description and application of referent for fire equipment signs (category F)



#### Hazard

Not being able to locate a fire extinguisher

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a fire extinguisher

# Related referents

ISO 7010-F002, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 4 (continued)



ISO 7010-F002

#### Referent

#### Fire hose reel

#### Function

To indicate the location of a fire hose reel

#### Image content

Seven vertical lines, one with a trapezoid underneath, circle with cross and line attached to vertical bar, flame determinant

#### Hazard

Not being able to locate a fire hose reel

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a fire hose reel

#### Related referents

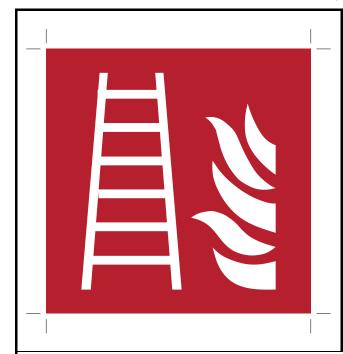
ISO 7010-F001, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006

### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 4 (continued)



ISO 7010-F003

#### Referent

#### Fire ladder

#### **Function**

To indicate the location of a ladder that is to be used exclusively for firefighting

#### Image content

Two converging vertical lines, six horizontal lines joining the vertical lines, flame determinant

#### Hazard

Not being able to locate a fire ladder

# Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a fire ladder and recognizing that the use of this ladder is dedicated to firefighting only

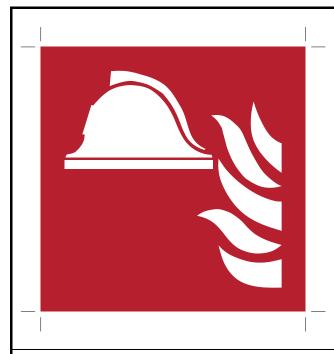
#### Related referents

ISO 7010-F001, ISO 7010-F002, ISO 7010-F004, ISO 7010-F005, ISO 7010-F006

# Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 4 (continued)



ISO 7010-F004

Referent

Collection of firefighting equipment

**Function** 

To indicate the location of firefighting equipment

Image content

Fire helmet (profile), flame determinant

Hazard

Not being able to locate firefighting equipment

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of firefighting equipment

Related referents

ISO 7010-F001, ISO 7010-F002, ISO 7010-F003, ISO 7010-F005, ISO 7010-F006

Additional information

This safety sign should be used for firefighting equipment for which there is no registered safety sign.

The fire helmet may be replaced with another fire helmet appropriate to cultural requirements.

Table 4 (continued)



# ISO 7010-F005

#### Referent

# Fire alarm call point

#### **Function**

To indicate the location of a fire alarm call point

#### Image content

Hand (plan view) with one finger extended, dot in square (outlined) broken at bottom, flame determinant

#### Hazard

Not being able to locate a fire alarm call point

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a fire alarm call point

#### Related referents

ISO 7010-F001, ISO 7010-F002, ISO 7010-F003 SO 7010-F004, ISO 7010-F006

### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 4 (continued)



ISO 7010-F006

Referent

Fire emergency telephone

**Function** 

To indicate the location of a fire emergency telephone

Image content

Telephone receiver (profile), flame determinant

Hazard

Not being able to locate a fire emergency telephone

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Being aware of the location of a fire emergency telephone

Related referents

ISO 7010-E004, ISO 7010-F001, ISO 7010-F002, ISO 7010-F003, ISO 7010-F004, ISO 7010-F005

Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 5 — Description and application of referent for mandatory action signs (category M)



#### Hazard

Risk to people not following the mandatory action specified by the supplementary sign

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Carrying out the mandatory action specified by the supplementary sign

#### Related referents

ISO 7010-P001, ISO 7010-W001

### **Additional information**

This safety sign cannot be used on its own and requires a supplementary sign to give further information about the action to be taken.

Table 5 (continued)



ISO 7010-M002

Referent

Refer to instruction manual/booklet

#### **Function**

To signify that the instruction manual/booklet must be read

#### Image content

Upper human figure (right-hand profile) holding an open manual/booklet

#### Hazard

Not reading the instruction manual/booklet before starting work or before operating equipment or machinery

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Reading the instruction manual/booklet before starting work or before operating equipment or machinery

#### Related referents

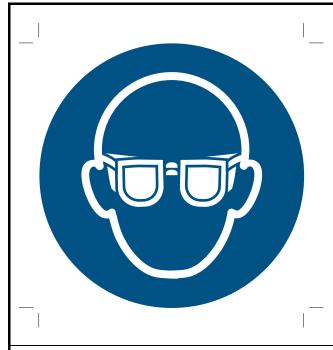
### Additional information

Table 5 (continued)



Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a

supplementary text sign may not be required.



Reference No.

ISO 7010-M004

Referent

Wear eye protection

**Function** 

To signify that eye protection must be used

Image content

Human head (front view) wearing eye protection

Hazard

Flying objects/particles

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing eye protection

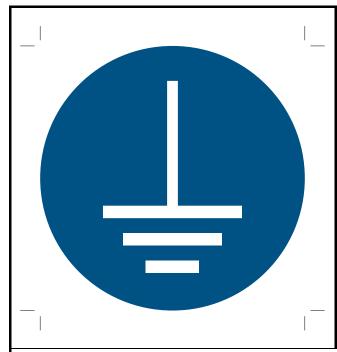
Related referents

ISO 7010-M007, ISO 7010-M013

Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.

Table 5 (continued)



# ISO 7010-M005

#### Referent

# Connect an earth terminal to the ground

#### **Function**

To signify that an earth terminal must be connected

#### Image content

Vertical line joining horizontal line with two progressively shorter parallel horizontal lines underneath

#### Hazard

Electric shock, explosion, fire

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Connecting an earth terminal of a product to the ground

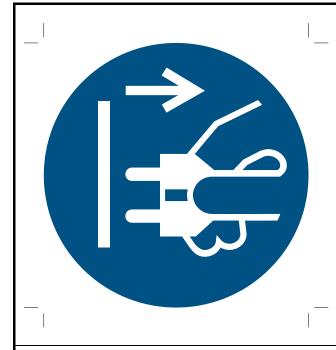
#### Related referents

ISO 7010-W012

### Additional information

This safety sign relates to products employing a class I insulating system which requires protective earthing.

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Reference No.

#### ISO 7010-M006

#### Referent

# Disconnect mains plug from electrical outlet

#### **Function**

To signify that the mains plug must be disconnected from electrical outlet for the purposes of maintenance of electrical equipment, in the case of malfunction or when left unattended

#### Image content

Two fingers and thumb (outlined) holding a two-pin electrical plug, arrow pointing right, vertical line

#### Hazard

Electric shock, fire

# Human behaviour that is intended to be caused after understanding the safety sign's meaning

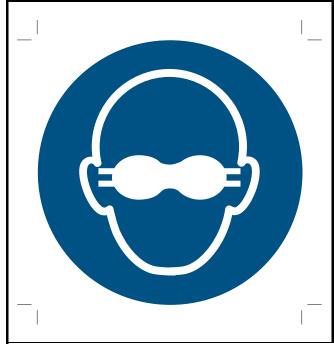
Disconnecting the mains plug for the purposes of maintenance, in the case of malfunction or when left unattended

#### Related referents

ISO 7010-M021, ISO 7010-W012

### Additional information

Table 5 (continued)



ISO 7010-M007

Referent

Opaque eye protection must be worn

**Function** 

To signify that opaque eye protection must be worn

Image content

Human head (front view) wearing opaque eye protection

Hazard

Visible or invisible rays

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Ensuring that the people undergoing treatment by visible or invisible rays are wearing opaque eye protection

Related referents

ISO 7010-M004, ISO 7010-M025

Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)



ISO 7010-M008

#### Referent

# Wear safety footwear

#### **Function**

To signify that safety footwear must be worn

#### Image content

Two safety boots, one shown in front, the other shown behind (outlined)

#### Hazard

Feet striking or being struck by objects or being in contact with thermal or chemical materials

Human behaviour that is intended to be caused after understanding the safety sign's meaning

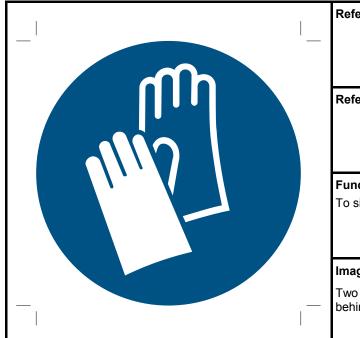
Wearing safety footwear

#### Related referents

### Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.

Table 5 (continued)



ISO 7010-M009

#### Referent

# Wear protective gloves

#### **Function**

To signify that protective gloves must be worn

#### Image content

Two protective gloves, one shown in front, the other shown behind (outlined)

#### Hazard

Hands striking or being struck by objects or being in contact with thermal or chemical materials

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing protective gloves

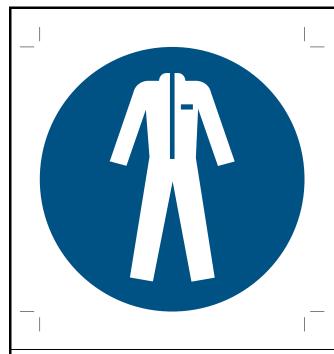
#### Related referents

ISO 7010-M022

### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.

Table 5 (continued)



ISO 7010-M010

Referent

Wear protective clothing

**Function** 

To signify that protective clothing must be worn

Image content

Overall (front view)

Hazard

Chemicals, heat or cold

Human behaviour that is intended to be caused after understanding the safety sign's meaning

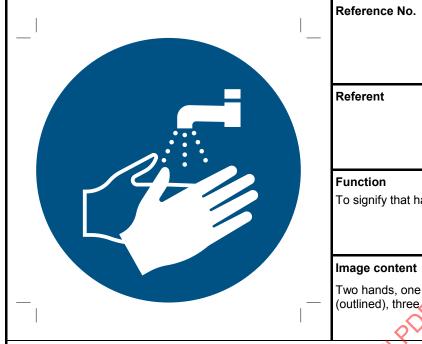
Wearing protective clothing

Related referents

ISO 7010-M026

**Additional information** 

Table 5 (continued)



ISO 7010-M011

Wash your hands

To signify that hands must be washed

Two hands, one shown in front, the other shown behind (outlined), three lines of four dots, tap

Hazard

Infection or contamination

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Washing hands before starting work task and after finishing work task

Related referents

ISO 7010-M022

Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)

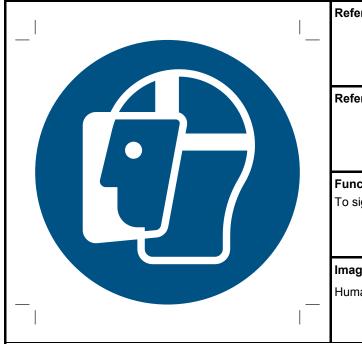


Holding the handrail when using stairs, escalators or moving walkways

#### Related referents

### Additional information

Table 5 (continued)



ISO 7010-M013

Referent

Wear a face shield

**Function** 

To signify that a face shield must be worn

Image content

Human head (left-hand profile) wearing a face shield

Hazard

Flying objects/particles

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing a face shield

Related referents

ISO 7010-M004, ISO 7010-M016, ISO 7010-M019

**Additional information** 

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training

Table 5 (continued)



ISO 7010-M014

Referent

Wear head protection

Function

To signify that head protection must be worn

Image content

Human head (left-hand profile) wearing head protection

Hazard

Objects falling on head or head striking objects

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing head protection

Related referents

Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.

Table 5 (continued)



### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)



ISO 7010-M016

Referent

Wear a mask

**Function** 

To signify that a face mask must be worn

Image content

Human head (left-hand profile) wearing a mask

Hazard

Particulates in the air

Human behaviour that is intended to be caused after understanding the safety sign's meaning

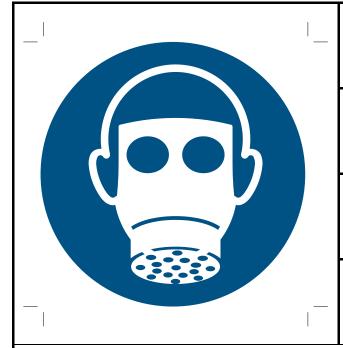
Wearing a face mask

Related referents

ISO 7010-M013, ISO 7010-M017

Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.



Reference No.

ISO 7010-M017

Referent

Wear respiratory protection

**Function** 

To signify that respiratory protection must be worn

Image content

Human head (front view) wearing respiratory protection

Hazard

Harmful substances (e.g. noxious gases)

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing respiratory protection

**Related referents** 

ISO 7010-M016

**Additional information** 

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)



ISO 7010-M018

Referent

Wear a safety harness

**Function** 

To signify that a safety harness must be worn

Image content

Human figure wearing a safety harness

Hazard

Falling from a height

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing a safety harness

Related referents

Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)



#### Hazard

Hot flying particles, intense light and UV radiation from welding activity

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Wearing a welding mask

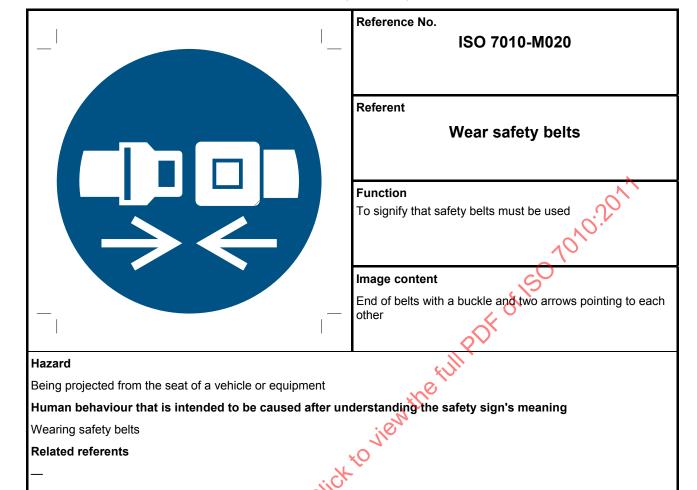
#### Related referents

ISO 7010-M013

### Additional information

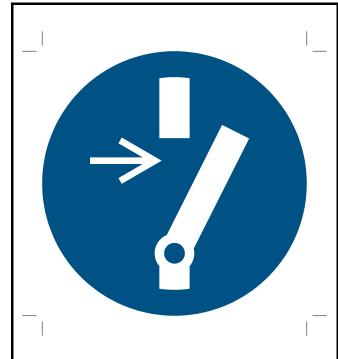
Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.

Table 5 (continued)



# Additional information

Table 5 (continued)



#### ISO 7010-M021

#### Referent

# Disconnect before carrying out maintenance or repair

#### **Function**

To signify that the machine or the equipment, which is not connected to mains by a plug, has to be disconnected from all sources of power before carrying out maintenance or repair

#### Image content

Horizontal arrow pointing to the right; one vertical short thick line attached to a circle at the bottom with a longer thick line at an angle to the right attached to the top of the circle; a further thick line in the same plane as the lower one, separated from the line at an angle

#### Hazard

Machine or equipment running during maintenance or repair

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Disconnecting the machine or equipment before carrying out maintenance or repair

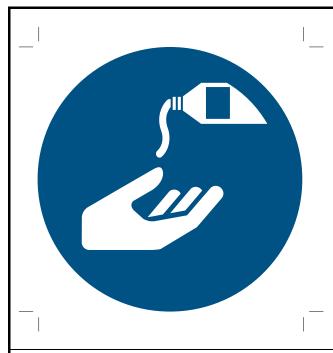
#### Related referents

ISO 7010-M006, ISO 7010-P031

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 5 (continued)



ISO 7010-M022

Referent

**Use barrier cream** 

**Function** 

To signify that the skin has to be protected with an appropriate barrier cream

Image content

Human hand, tube, wavy line

Hazard

Damage to the skin

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Protecting the skin with barrier cream before starting work or putting on gloves

Related referents

ISO 7010-M009

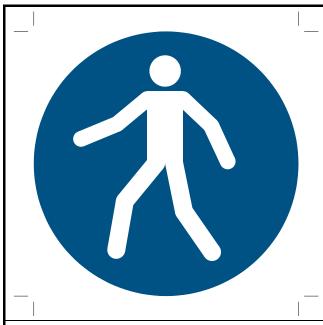
Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 5 (continued)





#### Reference No.

ISO 7010-M024

#### Referent

# Use this walkway

#### **Function**

To signify that pedestrians must use a designated walkway

#### Image content

Human figure walking (left hand)

#### Hazard

Areas unsafe for pedestrians

Human behaviour that is intended to be caused after understanding the safety sign's meaning

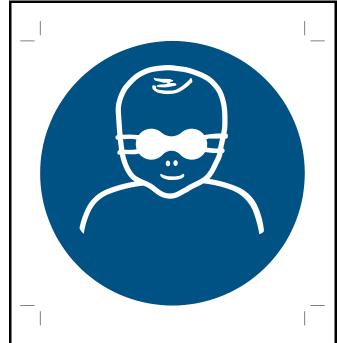
Pedestrians using the designated walkway

#### Related referents

ISO 7010-P004

#### Additional information

Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Reference No.

#### ISO 7010-M025

#### Referent

# Protect infants' eyes with opaque eye protection

#### **Function**

To signify that opaque eye protection must be worn by infants

#### Image content

Infant wearing opaque eye protection

#### Hazard

Intense light incident on infant's eyes

# Human behaviour that is intended to be caused after understanding the safety sign's meaning

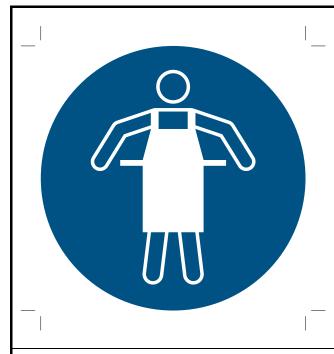
Ensuring that the infant's eyes are protected before switching the equipment on or before placing the infant into the radiated area

#### Related referents

ISO 7010-M007

### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Reference No.

#### ISO 7010-M026

# Referent

# Use protective apron

#### **Function**

To signify that the front of the body must be protected by an apron

# Image content

Human figure with an apron

#### Hazard

Front of body striking or being struck by objects or coming into contact with substances or materials

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Protecting the front of the body

#### Related referents

ISO 7010-M010

#### **Additional information**

Reference No.

ISO 7010-P001

Referent

General prohibition sign

Function
To signify a prohibited action

Image content
None

Hazard
Risk to people specified by the supplementary sign
Human behaviour that is intended to be caused after understanding the safety sign's meaning
Not doing an action specified by the supplementary sign
Related referents

This safety sign cannot be used on its own and requires a supplementary sign to give further information about the action

Table 6 — Description and application of referent for prohibition signs (category P)

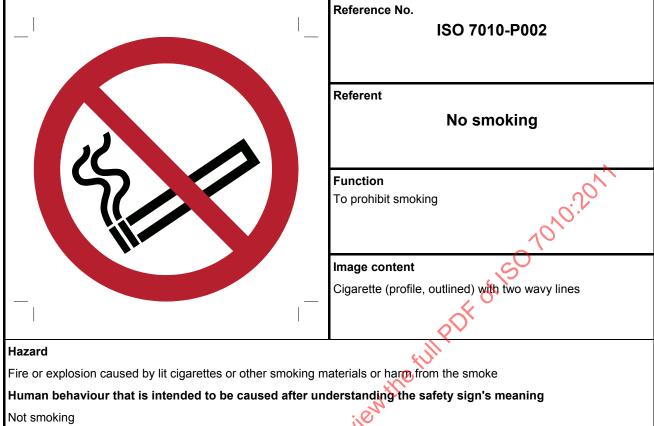
63

ISO 7010-M001, ISO 7010-W001

Additional information

which is prohibited.

Table 6 (continued)



# Related referents

ISO 7010-P003

### Additional information

Table 6 (continued)



ISO 7010-P003

#### Referent

No open flame; Fire, open ignition source and smoking prohibited

#### **Function**

To prohibit smoking and all forms of open flame

#### Image content

Match (profile, outlined), flame

#### Hazard

Fire or explosion caused by an open flame, open ignition source or smoking

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not having an open flame or open ignition source and not smoking

#### Related referents

ISO 7010-P002, ISO 7010-W021

### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



Collision with vehicles or machinery

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using the thoroughfare

#### Related referents

ISO 7010-M024

### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 6 (continued)





Reference No.

ISO 7010-P006

Referent

No access for forklift trucks and other industrial vehicles

**Function** 

To prohibit the use of forklift trucks and other industrial vehicles

Image content

Forklift truck (left-hand profile) with human figure

Hazard

Moving forklift trucks and other industrial vehicles

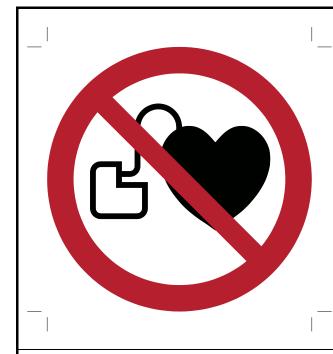
Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using forklift trucks and other industrial vehicles

Related referents

ISO 7010-W014

Additional information



#### Reference No.

#### ISO 7010-P007

#### Referent

### No access for people with active implanted cardiac devices

#### **Function**

To prohibit people with active implanted cardiac devices from entering a designated area

#### Image content

Heart shape and representation of pulse generator connected by curved line

#### Hazard

Interference to the operation of or damage to active implanted cardiac devices from equipment generating strong electromagnetic fields

Human behaviour that is intended to be caused after understanding the safety sign's meaning

People with active implanted cardiac devices not entering a designated area

#### Related referents

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



### Additional information

Related referents

Removing or not wearing metallic articles or watches

Table 6 (continued)





Reference No.

ISO 7010-P011

Referent

Do not extinguish with water

**Function** 

To prohibit using water to extinguish a fire

Image content

Bucket, area outlined by wayy line, flame

Hazard

Dangerous reaction from the application of water to a burning substance

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using water to extinguish a fire

Related referents

ISO 7010-W021

Additional information



#### Reference No.

ISO 7010-P012

#### Referent

#### No heavy load

#### **Function**

To prohibit the placing of heavy objects on a surface

#### Image content

Weight resting on the two parts of a line which is broken in the centre so that the two halves are separated and each inclines downward

#### Hazard

Breakage due to heavy load

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not placing any heavy objects on a surface

#### Related referents

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

In spite of this, the following needs to be considered:

"Heavy" depends on the context of use and if it needs to be specified, a supplementary sign should be added stating the maximum permissible load, e.g. as follows: max. 100 kg.

Table 6 (continued)





Reference No.

ISO 7010-P014

#### Referent

## No access for people with metallic implants

#### **Function**

To prohibit access of people with metallic implants

#### Image content

Hip joint and socket (outlined) joined by a black hip implant

#### Hazard

Invisible rays causing a rise in temperature of a metallic implant

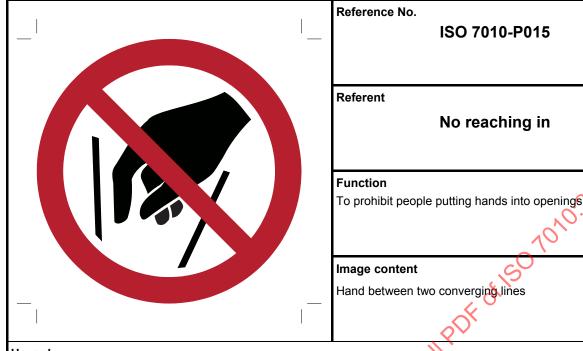
Human behaviour that is intended to be caused after understanding the safety sign's meaning

People with metallic implants not entering a designated area

#### Related referents

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Hazard

Injury to hands

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not putting hands into designated openings

#### Related referents

ISO 7010-P010

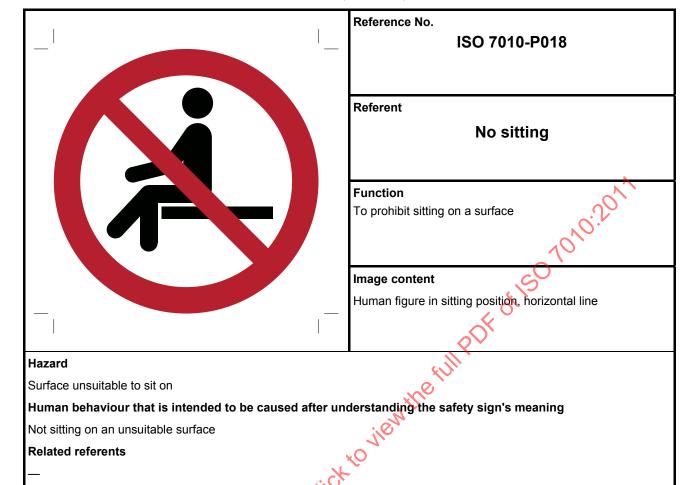
#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 6 (continued)





#### Additional information



Reference No.

ISO 7010-P019

Referent

No stepping on surface

**Function** 

To prohibit stepping onto a surface

Image content

Human figure stepping up, line with right angle

Hazard

Surface unsuitable for stepping onto

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not stepping onto an unsuitable surface

Related referents

ISO 7010-P024

Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



Reference No.

ISO 7010-P020

Referent

Do not use lift in the event of fire

**Function** 

To prohibit use of lift in the event of fire

Image content

Outline of lift with two human figures standing inside and flames at the right-hand side of the lift

Hazard

Being trapped in a lift during a fire

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using lift in the event of fire

Related referents

ISO 7010-P027

**Additional information** 

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 6 (continued)



#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training



#### Hazard

Ingestion of dangerous substances by food and drink contaminated at a designated area

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not eating or drinking in the designated area

#### Related referents

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 6 (continued)



Table 6 (continued)



Areas which are unsafe for people to walk or stand on

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Keeping off a designated area

#### Related referents

ISO 7010-P019

#### Additional information

Table 6 (continued)



#### ISO 7010-P025

#### Referent

#### Do not use this incomplete scaffold

#### **Function**

To prohibit the use of scaffolding systems which are not complete

#### Image content

Human figure (right-hand profile) walking on a broken horizontal bar surrounded by vertical and horizontal lines

#### Hazard

Incomplete scaffold

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using an incomplete scaffold

#### Related referents

#### \_

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are available from more than one country. Findings from testing showed that the safety sign did not reach the criteria of acceptability. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



Reference No.

ISO 7010-P026

#### Referent

Do not use this device in a bathtub, shower or water-filled reservoir

#### **Function**

To prohibit the use of unsuitable electrical equipment in or near water

#### Image content

Shower and bathtub

#### Hazard

Electric shock

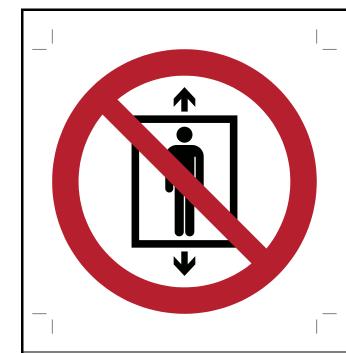
### Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using electrically powered equipment in bathtubs, showers or water-filled reservoirs

#### Related referents

#### **Additional information**

Table 6 (continued)



#### ISO 7010-P027

#### Referent

#### Do not use this lift for people

#### **Function**

To prohibit the use of the lift for the transportation of people

#### Image content

Human figure (front view) in a rectangle, short arrows above and underneath the rectangle

#### Hazard

Goods or freight lifts without the safety features necessary for the transportation of people

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using the lift for the transportation of people

#### Related referents

ISO 7010-P020

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Hazard

Drawing-in hazard to people wearing gloves while operating a machine

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Operating a machine with drawing-in hazard without wearing gloves

#### Related referents

#### Additional information



#### Hazard

Distraction of drivers, operatives and people working, particularly in dark environments

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not taking photographs

#### Related referents

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available from more than one country. Findings from national testing, however, showed that in one country the safety sign exceeded the criteria of acceptability. A supplementary text sign may be used to increase comprehension. If the safety sign is supplemented by manuals, instructions or training, a supplementary text sign may not be required.





#### Reference No.

#### ISO 7010-P031

#### Referent

#### Do not alter the state of the switch

#### **Function**

To prohibit any change of the current energetic or mechanical state of a machine or equipment

#### Image content

Switch and two arrows

#### Hazard

Change of the current energetic or mechanical state of a machine or equipment

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not switching

#### Related referents

ISO 7010-M021

#### **Additional information**

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



Reference No.

ISO 7010-P032

Referent

Do not use for face grinding

**Function** 

To prohibit the use of the grinding disc for face grinding

Image content

Horizontal line with two thicknesses and an angled step; grinding machine at an angle to the line

Hazard

Breakage of grinding disc due to overstressing leading to flying objects.

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using the grinding disc for face grinding

Related referents

ISO 7010-P033, ISO 7010-P034

**Additional information** 



Reference No.

ISO 7010-P033

Referent

Do not use for wet grinding

**Function** 

To prohibit the use of the grinding disc for wet grinding

Image content

Horizontal line, two circles with random infilling of dots and outer circle touching line, tap with water drops

#### Hazard

Breakage of grinding disc due to overstressing leading to flying objects

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using the grinding disc for wet grinding

Related referents

ISO 7010-P032, ISO 7010-P034

**Additional information** 

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.



#### Reference No.

#### ISO 7010-P034

#### Referent

### Do not use with hand-held grinding machine

#### **Function**

To prohibit the use of the grinding disc with a hand-held grinding machine

#### Image content

Hand holding a grinding machine

#### Hazard

Breakage of grinding disc due to overstressing leading to flying objects

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Not using the grinding disc with a hand-held grinding machine

#### Related referents

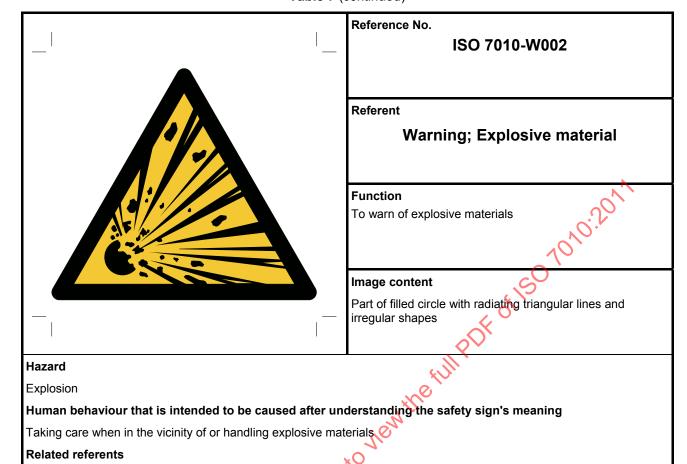
ISO 7010-P032, ISO 7010-P033

#### **Additional information**

Table 7 — Description and application of referent for warning signs (category W)

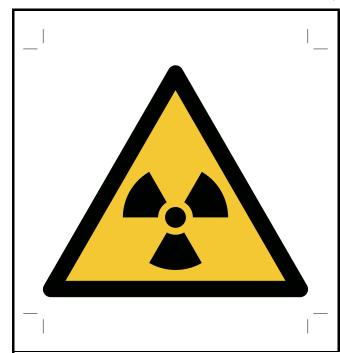


Table 7 (continued)



#### Additional information

Table 7 (continued)



ISO 7010-W003

#### Referent

# Warning; Radioactive material or ionizing radiation

#### **Function**

To warn of radioactive materials or ionizing radiation

#### Image content

Circle with three circular sectors around it

#### Hazard

Radioactivity and ionizing radiation

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Taking care to avoid exposure to radioactive material or jonizing radiation

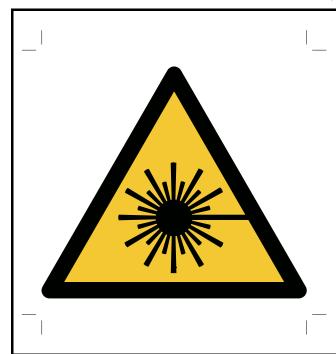
#### Related referents

ISO 7010-W005, ISO 7010-W027

#### Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

Table 7 (continued)



ISO 7010-W004

Referent

Warning; Laser beam

**Function** 

To warn of a laser beam

Image content

Circle with 24 regular equally spaced radiating lines, 12 shorter of equal length, 11 longer of equal length and one longer reaching horizontally the right-hand side of the triangle

Hazard

Laser beam

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Taking care to avoid exposure to a laser beam

Related referents

ISO 7010-W027

**Additional information** 

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.

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Table 7 (continued)



ISO 7010-W005

Referent

Warning; Non-ionizing radiation

**Function** 

To warn of non-ionizing radiation

Image content

Circle with three arc-shaped lines of increasing length on each side symmetrically located, with a trapezoid underneath

Hazard

Non-ionizing radiation

Human behaviour that is intended to be caused after understanding the safety sign's meaning

Taking care to avoid exposure to non-ionizing radiation

Related referents

ISO 7010-W003, ISO 7010-W027

Additional information

Test data obtained according to ISO 9186-1:2007 are not available. Consequently, a supplementary text sign shall be used to increase comprehension except when the safety sign is supplemented by manuals, instructions or training.