# International Standard



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION●МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ●ORGANISATION INTERNATIONALE DE NORMALISATION

# Technical drawings — Construction drawings — Representation of modular sizes, lines and grids

Descriptors: drawings, technical drawings, construction, modules, schematic representation, dimensions, lines.

Dessins techniques - Dessins de construction - Représentation des dimensions, lignes et quadrillages modulaires

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### **Foreword**

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member podies). 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 SO, also take part in the work.

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

International Standard ISO 8560 was prepared by Technical Committee ISO/TC 10, *Technical drawings*.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

International Organization for Standardization, 1986

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## Technical drawings — Construction drawings — Representation of modular sizes, lines and grids

## Scope and field of application

This International Standard lays down rules for the representation of modular sizes, lines and grids on construction drawings. The basic module M is 100 mm (see ISO 1006).

Generally, modular sizes should be used on design drawings. Construction and work sizes should be used on production drawings.

Modular sizes, lines and grids make the planning and design work easier. Multimodular grids may be added, to a limited extent, on construction drawings for manufacturing and construction for orientation and location.

#### References

ISO 128, Technical drawings — General principles of presen-

ISO 1006, Building construction — Modular coordination — Basic module.

ISO 2595, Building drawings - Dimensioning of production drawings - Representation of manufacturing and work sizes.

#### General

Drawings with modular sizes shall be executed in accordance with ISO 128 and ISO 2595. If necessary, the drawings should have a note indicating that modular sizes are being used.

#### **Designations of modular sizes**

- 4.1 Drawings with sizes indicated in modules (instead of in millimetres or metres) should have a clear note explaining that this is the case.
- **4.2** The designations of modular sizes are as follows.

4.2.1 Modular:

 $n \times M$ 

4.2.2 Basic module:

M

4.2.3 Multimodules:

3M, 6M, 12M

4.2.4 Modular sizes:

10**M** 

4.2.5 Multimodular sizes:

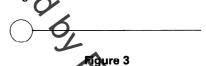
 $10 \times 3M, 5 \times 6M$ 

4.2.6 Non-modular, if needed:

### Representation of modular lines and sizes

5.1 Modular and multimodular lines shall be drawn using a continuous line (see figure 1). The lowest level shall be drawn using a continuous thin line.

5.3 Where ecessary for identification purposes, multimodular grid lines shall be terminated with a circle drawn with a thin line (see figure



5.4 The line may be designate by a reference inside the circle (see figure 4).



Figure 4

5.5 Terminations for the size of a modular zone shall be the same as for single sizes, as specified in ISO 2595 (see figure 5).

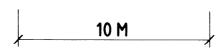


Figure 5