
**Technical product
documentation — Part references**

Documentation technique de produits — Références de pièce



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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 6433 was prepared by Technical Committee ISO/TC 10, *Technical production documentation*, Subcommittee SC 1, *Basic conventions*.

This second edition cancels and replaces the first edition (ISO 6433:1981), which has been technically revised.

Technical product documentation — Part references

1 Scope

This International Standard gives rules for the presentation of part references in assembly representations, e.g. on assembly drawings, in order to identify the constituent parts in a related parts list.

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 128-22:1999, *Technical drawings — General principles of presentation — Part 22: Basic conventions and applications for leader lines and reference lines*

ISO 128-23:1999, *Technical drawings — General principles of presentation — Part 23: Lines on construction drawings*

ISO 128-24:1999, *Technical drawings — General principles of presentation — Part 24: Lines on mechanical engineering drawings*

ISO 128-25:1999, *Technical drawings — General principles of presentation — Part 25: Lines on shipbuilding drawings*

ISO 129-1:2004, *Technical drawings — Indication of dimensions and tolerances — Part 1: General principles*

ISO 3098-0:1997, *Technical product documentation — Lettering — Part 0: General requirements*

ISO 7573:2008, *Technical product documentation — Parts lists*

3 General requirements

It is recommended that part references be assigned in sequential order (see 4.7).

Identical parts shown in an assembly shall have the same part reference.

Each complete sub-assembly incorporated in the superior assembly is identified by a single part reference.

All part references shall be shown in a parts list (see ISO 7573) giving the appropriate information on the parts concerned.

4 Presentation

4.1 Identifiers

Preferably part references should consist of numerals only. If necessary, they may be augmented by the use of capital letters. The design, dimensions and spacing of the characters shall comply with ISO 3098-0.

It is recommended that the part reference number contain a maximum of three characters.