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BS ISO 129-4:2013



BSI Standards Publication

Technical product documentation (TPD) — Indication of dimensions and tolerances

Part 4: Dimensioning of shipbuilding
drawings

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The UK participation in its preparation was entrusted to Technical Committee TDW/4, Technical Product Realization.

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Technical product documentation (TPD) — Indication of dimensions and tolerances —

Part 4: Dimensioning of shipbuilding drawings

*Documentation technique de produits (TPD) — Indication des cotes
et tolérances —*

Partie 4: Cotes des dessins de construction navale



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Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 General principles	1
4 Basic requirements	1
4.1 General.....	1
4.2 Dimension lines.....	2
4.3 Extension lines.....	2
4.4 Types of dimensions indication.....	4
4.5 Dimensions of plates and profiles.....	6

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2. www.iso.org/directives

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received. www.iso.org/patents

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

The committee responsible for this document is ISO/TC 10, *Technical product documentation*, Subcommittee SC 6, *Mechanical engineering documentation*.

ISO 129 consists of the following parts, under the general title *Technical product documentation (TPD) — Indication of dimensions and tolerances*:

- *Part 1: General principles*
- *Part 2: Dimensioning of mechanical engineering drawings*
- *Part 3: Architectural*
- *Part 4: Dimensioning of shipbuilding drawings*

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Technical product documentation (TPD) — Indication of dimensions and tolerances —

Part 4: Dimensioning of shipbuilding drawings

1 Scope

This part of ISO 129 specifies the dimensioning for general use on metal hulls on shipbuilding drawings.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

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

3 General principles

General principles of dimensioning are as follows.

- a) The basic types of lines, their designations, as well as general rules for draughting of lines, are specified in ISO 128-25.
- b) The rule of indication of dimension and tolerances are specified in ISO 129-1.
- c) The location dimension of the hull structure shall be indicated with the distance of the assembled moulded line of the member from reference line (BL = base line, CL = centre line, AP = after perpendicular, FP = forward perpendicular, WL = water line).
- d) The dimensions of the same member(s) shall be indicated only once; the dimensions of the members with identical specifications and sizes shall be indicated only once; these dimensions should be on the view(s) of the drawing that displays the member(s) most clearly.

4 Basic requirements

4.1 General

Dimensions indicating the location of a structural member in the hull shall be referenced as follows.

- In longitudinal direction: to a structural frame or to a station or to midship
- In vertical direction: to a BL, to a WL, or to a deck line
- In transverse direction: to a CL or to a broadside

1) To be published. (Revision of ISO 129-1:2004)