
**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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Foreword

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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*

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)