INTERNATIONAL STANDARD

ISO 129-5

First edition
2018-04

Technical product documentation — Indication of dimensions and tolerances —

Part 5: Dimensioning of structural metal work

Technique du produit documentation — Indication des cotes et tolérances —

Partie 5: Cotes des ouvrages de structure métallique

Reference number
ISO 129-5:2018(E)

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Published in Switzerland

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Foreword

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This document was prepared by Technical Committee ISO/TC 10, *Technical product documentation,* Subcommittee SC 6, *Mechanical engineering documentation*.

A list of all parts in the ISO 129 series can be found on the ISO website.

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Technical product documentation — Indication of dimensions and tolerances —

Part 5: Dimensioning of structural metal work

1 Scope

This document specifies the dimensioning of drawings for general use on structural metal work mainly consisting of plates, bars and profile sections.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 129-1, *Technical drawings — Indication of dimensions and tolerances Part 1: General principles*

ISO 129-4, *Technical product documentation (TPD) — Indication of dimensions and tolerances — Part 4: Dimensioning of shipbuilding drawings*

ISO 5261:1995, *Technical drawings — Simplified representation of bars and profile sections*

ISO 657-1, *Hot-rolled steel sections — Part 1: Equal-leg angles — Dimensions*

ISO 657-2, *Hot-rolled steel sections — Part 2: Unequal-leg angles — Dimensions*

ISO 657-16, *Hot-rolled steel sections — Part 16: Sloping flange column sections (metric series) — Dimensions and sectional properties*

ISO 657-18, *Hot-rolled steel sections — Part 18: L sections for shipbuilding (metric series) — Dimensions, sectional properties and tolerances*

ISO 657-21, *Hot-rolled steel sections — Part 21: T-sections with equal depth and flange width — Dimensions*

ISO 10209, *Technical product documentation — Vocabulary — Terms relating to technical drawings, product definition and related documentation*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10209, ISO 129-1 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
centroidal line
line passing through the centre of mass

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