



**International
Standard**

ISO 2903-2

**ISO metric trapezoidal screw
threads — Tolerances —**

**Part 2:
Limits of sizes**

Filetages métriques trapézoïdaux ISO — Tolérances —

Partie 2: Dimensions limites

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Foreword

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This document was prepared by Technical Committee ISO/TC 1, *Screw threads*.

A list of all parts in the ISO 2903 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

ISO metric trapezoidal screw threads — Tolerances —

Part 2: Limits of sizes

1 Scope

This document specifies the limits of sizes for major, pitch and minor diameters of ISO metric trapezoidal screw threads (Tr) conforming to ISO 2902 and having basic and design profiles in accordance with ISO 2901.

This document is applicable to the metric trapezoidal screw threads with the seven tolerance classes (7H, 8H, 9H, 7e, 8e, 8c and 9c) recommended in ISO 2903.

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 2903, *ISO metric trapezoidal screw threads — Tolerances*

ISO 5408, *Screw threads — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5408 apply.

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

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

4 Limits of sizes

4.1 General

The limits of sizes specified shall be derived from the fundamental deviations and tolerances specified in ISO 2903.

The limits of sizes for major, pitch and minor diameters of screw threads (Tr) have been calculated by the following formulae and rounded to the third decimal place.