

Second edition
2021-07

ISO general purpose metric screw threads — Tolerances —

Part 4:

Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing

Filetages métriques ISO pour usages généraux — Tolérances —

Partie 4: Dimensions limites pour filetages extérieurs galvanisés à chaud pour assemblages avec des filetages intérieurs de position de tolérance H ou G après galvanisation



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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 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

This second edition cancels and replaces the first edition (ISO 965-4:1998), which has been technically revised.

The main changes compared to the previous edition are as follows:

- in [Clause 1](#), the third paragraph, including the formula for the fundamental deviation a_z , has been deleted;
- the tolerance classes 6AZ and 6AX, internal threads, have been replaced with the tolerance class 6az, external threads (NOTE of Clause 1 in ISO 965-4:1998; first paragraph of Clause 4 in ISO 965-4:2021);
- in [Table 1](#), the deviation values for the minor diameter of external threads, stress calculation, have been deleted, and M8 is added;
- the phrase “basic profiles” has been replaced by “basic profile and fundamental deviation” (fourth paragraph of Clause 6 in ISO 965-4:1998; fifth paragraph of Clause 7 in ISO 965-4:2021);
- in [Table 2](#), the maximum values for the minor diameter of external threads, stress calculation, have been deleted, and M8 is added.
- an informative annex is added for the external screw thread minor diameter, d_3 , used by ISO/TC 2 to calculate the nominal stress area, $A_{s,nom}$.

A list of all parts in the ISO 965 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.