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## BSI Standards Publication

# ISO general purpose metric screw threads — Tolerances

Part 1: Principles and basic data



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## National foreword

This British Standard is the UK implementation of ISO 965-1:2026. It supersedes BS ISO 965-1:2013+A1:2021, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee FME/9, Fasteners.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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**ISO 965-1**

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**ISO general purpose metric screw  
threads — Tolerances —**

Part 1:  
**Principles and basic data**

*Filetages métriques ISO pour usages généraux — Tolérances —  
Partie 1: Principes et données fondamentales*

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**Fifth edition  
2026-04**

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

This fifth edition cancels and replaces the fourth edition (ISO 965-1:2013), which has been technically revised. It also incorporates the Amendment ISO 965-1:2013/Amd.1:2021.

The main changes are as follows:

- in [Clauses 6, 7](#) and [A.1](#), the last paragraphs (special tolerances) have been added;
- [Clause 10](#) and [Clause 13.5](#) have been added;
- [Annex B](#) has been added, and the symbol  $T_{d3}$  has been added in [Clause 4](#).

A list of all parts in the ISO 965 series can be found on the ISO website.

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# ISO general purpose metric screw threads — Tolerances —

## Part 1: Principles and basic data

### 1 Scope

This document specifies a tolerance system for ISO general purpose metric screw threads (M) conforming to ISO 261 having basic and design profiles in accordance with ISO 68-1.

### 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 68-1, *ISO general purpose screw threads — Basic and design profiles — Part 1: Metric screw threads*

ISO 261, *ISO general purpose metric screw threads — General plan*

ISO 1502, *ISO general-purpose metric screw threads — Gauges and gauging*

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 Symbols

For the purposes of this document, the following symbols apply.

Symbol	Meaning
$D$	major diameter of internal thread (nominal diameter)
$d$	major diameter of external thread (nominal diameter)
$D_2$	pitch diameter of internal thread
$d_2$	pitch diameter of external thread
$D_1$	minor diameter of internal thread
$d_1$	minor diameter of external thread on basic profile
$d_3$	minor diameter of external thread on design profile
$P$	pitch
$Ph$	lead
$H$	fundamental triangle height