

# INTERNATIONAL STANDARD

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## **Aerospace — Lead and runout threads — Part 1: Rolled external threads**

*Aéronautique et espace — Filets incomplets, débuts et fins de filets —  
Partie 1: Filetages extérieurs roulés*



Reference number  
ISO 3353-1:2002(E)

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 3353 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 3353-1 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 4, *Aerospace fastener systems*.

This first edition of ISO 3353-1 cancels and replaces ISO 3353:1992, which has been technically revised.

ISO 3353 consists of the following parts, under the general title *Aerospace — Lead and runout threads*:

- *Part 1: Rolled external threads*
- *Part 2: Internal threads*

Annex A of this part of ISO 3353 is for information only.

# Aerospace — Lead and runout threads —

## Part 1: Rolled external threads

### 1 Scope

This part of ISO 3353 specifies the lead and runout requirements for rolled external threads for aerospace construction, and the inspection method to be used in case of dispute.

It is applicable whenever it is referenced in a definition document.

### 2 Terms and definitions

For the purposes of this part of ISO 3353, the following terms and definitions apply.

#### 2.1

##### **lead threads**

part of screw threads consisting of threads incompletely formed during rolling, beginning at the entering chamfer of the thread

#### 2.2

##### **runout threads**

part of screw threads in which are located threads incompletely formed during rolling, between the completely formed threads and the part which has not been rolled

#### 2.3

##### **completely formed thread**

thread, the profile of which (ABC) is located, over an axial distance of  $1P$ , within the limits specified in the definition document for the thread

See Figure 1.