

INTERNATIONAL  
STANDARD

**ISO**  
**7403**

Second edition  
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**Aerospace — Spline drives — Wrenching  
configuration — Metric series**

*Aéronautique et espace — Entraînements cannelés — Série métrique*



Reference number  
ISO 7403:1998(E)

## 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.

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.

International Standard ISO 7403 was prepared by Technical Committee ISO/TC 20, *Aircraft and space vehicles*, Subcommittee SC 4, *Aerospace fastener systems*.

This second edition cancels and replaces the first edition (ISO 7403:1983), of which it constitutes a technical revision.

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# Aerospace — Spline drives — Wrenching configuration — Metric series

## 1 Scope

This International Standard specifies the metric wrenching configuration dimensions of spline drives.

This is a design standard.

## 2 Configuration and dimensions

See figures 1 and 2 and tables 1 and 2. Dimensions and tolerances are expressed in millimetres.

Variations in size, form and position of the 12 splines are permitted within the wrenching length, provided that the actual profile falls within the maximum and minimum material conditions shown in figures 1 and 2. Dimensions are prior to forming the locking element on self-locking nuts.

## 3 Designation

The drive designation shall be as follows:

