

INTERNATIONAL STANDARD

**ISO
9010**

Second edition
1997-04-01

Synchronous belt drives — Automotive belts

Transmissions synchrones par courroies — Courroies pour la construction automobile



Reference number
ISO 9010:1997(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 9010 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 4, *Synchronous belt drives*.

This second edition cancels and replaces the first edition (ISO 9010:1987), which has been technically revised.

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Synchronous belt drives — Automotive belts

1 Scope

This International Standard specifies the characteristics of synchronous endless belts for use in automotive applications such as engine camshaft drives.

The characteristics include

- nominal tooth dimensions;
- pitch spacing;
- width and width tolerance;
- pitch length and pitch length tolerance.

Test methods for measuring pitch length and lateral runout are also included.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 9011:1997, *Synchronous belt drives — Automotive pulleys*.

3 Belt types

The following types of synchronous belts for automotive application are standardized:

- type ZA: trapezoidal tooth;
- type ZB: trapezoidal tooth;
- type ZH: curvilinear tooth, "H" system;