

INTERNATIONAL STANDARD

ISO
9011

Second edition
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Synchronous belt drives — Automotive pulleys

Transmissions synchrones par courroies — Poulies pour la construction automobile



Reference number
ISO 9011:1997(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 9011 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 9011:1987), which has been technically revised.

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Synchronous belt drives — Automotive pulleys

1 Scope

This International Standard specifies the characteristics of synchronous pulleys for use in automotive applications of synchronous endless belt drives.

The characteristics include

- tooth dimensions and tolerances;
- pulley tolerances and quality specifications.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were 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 editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 254:—¹⁾, *Belt drives — Pulleys — Quality, finish and balance*.

ISO 9010:1997, *Synchronous belt drives — Automotive belts*.

3 Pulley types

The following types of synchronous pulleys for automotive applications are standardized:

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

¹⁾ To be published. (Revision of ISO 254:1990)