

INTERNATIONAL  
STANDARD

**ISO**  
**155**

Third edition  
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**Belt drives — Pulleys — Limiting values for  
adjustment of centres**

*Transmissions par courroies — Poulies — Limites de réglage d'entraxe*



Reference number  
ISO 155:1998(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 155 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 1, *Veebelts and grooved pulleys*.

This third edition cancels and replaces the second edition (ISO 155:1989), which has been technically revised. In particular, the grooved pulleys for V-ribbed belts have been added.

Annex A of this International Standard is for information only.

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# Belt drives — Pulleys — Limiting values for adjustment of centres

## 1 Scope

This International Standard specifies the limiting values for the adjustment of centres of two transmission pulleys.

It is applicable to

- crowned pulleys for flat belts;
- grooved pulleys for V-belts, either single, multiple or joined;
- grooved pulleys for V-ribbed belts;
- toothed pulleys for synchronous belts.

NOTE — All dimensions are expressed in millimetres.

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of the 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 5294:1989 *Synchronous belt drives — Pulleys.*

## 3 Symbols

- $E$  = Nominal centre distance
- $E - i$  = Lower limit for the adjustment of centre distance
- $E + s$  = Upper limit for the adjustment of centre distance
- $L$  = Nominal belt length
- $d \pm \delta_1$  = Limits of small flat pulley diameter
- $D \pm \delta_2$  = Limits of large flat pulley diameter
- $w_d$  = Datum width of a V-groove