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Belt drives — Pulleys — Limiting values for adjustment of centres

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Foreword

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This document was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 1, *Friction*.

This fourth edition cancels and replaces the third edition (ISO 155:1998), which has been technically revised. The main changes compared to the previous edition are as follows:

— adding of curvilinear sections to Table 6;

— editorial clarifications of the document.

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Belt drives — Pulleys — Limiting values for adjustment of centres

1 Scope

This document 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.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

4 Symbols

For the purpose of this document, the following symbols apply.

Symbol	Definition	Unit
$d \pm \delta_1$	Limits of small flat pulley diameter	mm
$D \pm \delta_2$	Limits of large flat pulley diameter	mm
e	Groove pitch of a V-ribbed pulley	mm
E	Nominal centre distance	mm
$E - i$	Lower limit for the adjustment of centre distance	mm
$E + s$	Upper limit for the adjustment of centre distance	mm
i_1	Factor related to the pulley dimensions and tolerances	—
i_2	Factor related to belt length tolerances	—
L	Nominal belt length	mm

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