



ISO 4184

**Belt drives — Classical and narrow
V-belts — Lengths in datum system**

*Transmissions par courroies — Courroies trapézoïdales
classiques et étroites — Longueurs dans le système de référence*

**Third edition
2025-10**

This is a preview of ISO 4184:2025. Click [here](#) to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

This is a preview of ISO 4184:2025. [Click here to purchase the full version from the ANSI store.](#)

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Purpose	1
5 Datum length, L_d	2
5.1 General.....	2
5.2 Classical V-belts — Sections Y, Z, A, B, C, D and E.....	2
5.3 Narrow V-belts — Sections SPZ, SPA, SPB and SPC.....	3
6 Tolerances on datum lengths	4
6.1 Manufacturing tolerances.....	4
6.2 Belt matching tolerances of V-belts in the same set.....	6
7 Centre distance variations	6
8 Measuring and checking	7
8.1 Checking belt length.....	7
8.2 Checking centre distance variation.....	7
9 Designation and marking	7
9.1 Designation.....	7
9.2 Marking.....	8

This is a preview of ISO 4184:2025. [Click here to purchase the full version from the ANSI store.](#)

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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

This third edition cancels and replaces the second edition (ISO 4184:1992), which has been technically revised.

The main changes are as follows:

- the Scope text has been made succinct to conform with current drafting rules;
- a new [Clause 4](#) has been created for details on the requirements covered by this document;
- [Table 1](#) on datum width for groove profile (previously appearing in the Scope) has been created;
- the normative references list has been updated;
- less than or equal to signs have been corrected in [Tables 2, 3](#) and [4](#).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.