
Belt drives — V-belts and the corresponding pulleys for agricultural machineries — Dimensions

*Transmissions par courroies — Courroies trapézoïdales et poulies
correspondantes pour les machines agricoles — Dimensions*





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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.

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 documents 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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 41, *Pulleys and belts (including veebelts)*, Subcommittee SC 1, *Friction*.

Belt drives — V-belts and the corresponding pulleys for agricultural machineries — Dimensions

1 Scope

This International Standard provides dimensional details of the V-drive belts used on agricultural machinery. It is intended to reflect practice (at the time of publication) in the design of such drives and to provide, where practicable, links to International Standards for similar belts used on industrial machinery.

NOTE All dimensions in this International Standard are in millimetres (mm).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1081, *Belt drives — V-belts and V-ribbed belts, and corresponding grooved pulleys — Vocabulary*

ISO 4183, *Belt drives — Classical and narrow V-belts — Grooved pulleys (system based on datum width)*

ISO 5290, *Belt drives — Grooved pulleys for joined narrow V-belts — Groove sections 9N/J, 15N/J and 25N/J (effective system)*

ISO 5291, *Belt drives — Grooved pulleys for joined classical V-belts — Groove sections AJ, BJ, CJ and DJ (effective system)*

ISO 9982, *Belt drives — Pulleys and V-ribbed belts for industrial applications — PH, PJ, PK, PL and PM profiles: Dimensions*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 1081 apply.

4 Symbols

For the purposes of this document, the symbols given in ISO 1081 apply.

5 Belt cross-sections and nominal dimensions

The belt cross-section is characterized by the top width, W , and height, h_b . In the case of joined V-belts and V-ribbed belts, the cross-section spacing is also relevant. The angle of the belt sides is usually 40° except in the case of variable speed belts where the angle is commonly 32° but may be different on some applications.

The nominal dimensions of belt cross-sections are shown in [Table 1](#) and [Figure 1](#).