

INTERNATIONAL STANDARD

ISO
8370-1

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Belt drives — Dynamic test to determine pitch zone location —

Part 1: V-belts

*Transmissions par courroies — Méthode d'essai dynamique de
détermination de l'emplacement de la zone primitive d'une courroie —
Partie 1: Courroies trapézoïdales*



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Foreword

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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 8370-1 was prepared by Technical Committee ISO/TC 41, *Pulleys and belts (including veebelts)*, Sub-Committee SC 1, *Veebelts and grooved pulleys*.

This first edition of ISO 8370-1, together with ISO 8370-2, cancels and replaces ISO 8370:1987, which has been technically revised.

ISO 8370 consists of the following parts, under the general title *Belt drives — Dynamic test to determine pitch zone location*:

- Part 1: *V-belts*
- Part 2: *V-ribbed belts*

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Introduction

A V-belt pulley groove is defined by its effective width or datum width.

When a specific belt is placed in the groove, it will operate with a pitch zone at a finite position relative to the groove. This position needs to be defined for power transmission design calculations.