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## Rubber and plastics hoses and hose assemblies — Determination of resistance to vacuum

*Tuyaux et flexibles en caoutchouc et en plastique — Détermination de la résistance à l'aspiration*



Reference number  
ISO 7233:2016(E)

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## Foreword

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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](http://www.iso.org/directives)).

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The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*.

This fourth edition cancels and replaces the third edition (ISO 7233:2006), which has been technically revised with the following changes:

- [Clause 11](#) has been re-written to clarify further on the minor axis measurement ( $D_2$  and  $D_3$ ) as shown in the new [Figure 2](#); as well as addition of a paragraph for examining interior and exterior of the hose;
- [Clause 12 f\)](#) has been re-written to include the observation that needs to be made for method C.

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## **Introduction**

Vacuum testing is applied to hoses to determine whether they will withstand the differential pressure encountered in service resulting from reduced pressure within the hose.