

**Rubber and plastics hoses and hose assemblies -
Guidelines for selection, storage, use and maintenance
(ISO 8331:2014)**

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NATIONAL FOREWORD

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English Version

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2014)

Tuyaux et flexibles en caoutchouc et en plastique - Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance (ISO 8331:2014)

Gummi- und Kunststoffschläuche und -schlauchleitungen - Richtlinien für die Auswahl, Lagerung, Verwendung und Wartung (ISO 8331:2014)

This European Standard was approved by CEN on 15 February 2014.

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COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN ISO 8331:2014) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies" the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2014, and conflicting national standards shall be withdrawn at the latest by October 2014.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 8331:2011.

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Endorsement notice

The text of ISO 8331:2014 has been approved by CEN as EN ISO 8331:2014 without any modification.

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Rubber and plastics hoses and hose assemblies — Guidelines for selection, storage, use and maintenance

1 Scope

This International Standard sets out recommendations designed to maintain rubber and plastics hoses and hose assemblies, prior to use, in a condition as close as possible to the condition they were in when they were received and to obtain the expected service life.

NOTE It is intended that this International Standard be used in conjunction with any applicable national statutory regulations.

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 1402, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*

ISO 2230, *Rubber products — Guidelines for storage*

ISO 8031, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance and conductivity*

ISO/TS 17165-2:2013, *Hydraulic fluid power — Hose assemblies — Part 2: Practices for hydraulic hose assemblies*

3 General recommendations

3.1 Selection criteria

It is in the best interests of the user to select hoses or hose assemblies complying with national or international standards whenever such standards exist for the intended application. For applications outside the scope of such standards, needing special requirements or for which the necessary information is not available, the hose manufacturer or trade association should be consulted.

The following points should be taken into consideration when selecting a hose or hose assembly for a specific application:

- a) Operational environment:
 - ambient temperature;
 - atmospheric conditions;
 - contact with chemically aggressive liquids;
 - contact with other deleterious media.
- b) Media conveyed:
 - liquid;
 - gaseous;