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## Rubber and plastics hoses and hose assemblies — Vocabulary

*Tuyaux et flexibles en caoutchouc et en plastiques — Vocabulaire*



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

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

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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](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 218, *Rubber and plastics hoses and hose assemblies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 8330:2014), which has been technically revised.

The main changes are as follows:

- the structure of the document is now divided into subclauses as follows:
  - General [3.1](#);
  - Hose types [3.2](#);
  - Hose parts and components other than the reinforcement and end [3.3](#);
  - Hose reinforcement parts and components [3.4](#);
  - Hose end types [3.5](#);
  - Hose assembly terms [3.6](#);
  - Sizes and geometrical properties of hoses and hose assemblies [3.7](#);
  - Mechanical properties [3.8](#);
  - Hose production methods and tools [3.10](#);
  - Hose tests and operation conditions [3.11](#);

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- Hose and hose assembly deformations and defects [3.12](#);
- the numbering and order of the terms has been revised;
- alphabetical index has been added;
- the following terms have been added:
  - barb;
  - burst;
  - cure (with vulcanization);
  - helix wire;
  - identification yarn;
  - OS&D hose;
  - rigid mandrel;
  - semi-rigid hose;
  - socketshell (to ferrule);
  - spiralled wire cord;
  - tracer yarn;
- the following terms have been removed:
  - body wire;
  - brand;
  - design pressure;
  - dogleg;
  - helical cord;
  - lay;
  - mandrel-made hose;
  - nominal bore;
  - OSD hose;
  - protected hose;
  - quick-acting connection;
  - rated system pressure;
  - tolerance;
  - warp;
  - weft;
  - coupling adapter;

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- shell clamp and split clamp;
- the definitions to the following terms have been amended:
  - carcass;
  - compound;
  - embedded helix;
  - end reinforcement;
  - female;
  - flexural stiffness;
  - helix;
  - hose deformation;
  - hybrid hose;
  - hydraulic hose;
  - hydrostatic stability test;
  - knitted hose;
  - male;
  - mandrel-built hose;
  - marker yarn;
  - marking;
  - moulded hose;
  - plain end;
  - quick connection;
  - reusable hose fitting;
  - sleeve;
  - straight end;
  - twin hose;
  - vacuum test;
  - vulcanization;
  - wire.

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](http://www.iso.org/members.html).