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Rubber hoses and hose assemblies for aircraft ground fuelling and defuelling — Specification

*Tuyaux et flexibles en caoutchouc pour le ravitaillement carburant et la
vidange des avions au sol — Spécifications*



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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.

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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.

ISO 1825 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This third edition cancels and replaces the second edition (ISO 1825:1996), which has been technically revised (for details, see the Introduction).

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Introduction

This specification has been updated to bring it into line with the two most common specifications used for this product in the field, EN 1361:2004 and API 1529, 6th edition. As the 1996 edition of ISO 1825 was closer to EN 1361, EN 1361 was used as the basis for redrafting. Where possible, an attempt has been made to align all three specifications. As a result of this, the following changes have been made to the specification:

- a) type A (hoses without any special electrical properties) has been eliminated;
- b) type D (hoses with a conductive cover but without a low-extraction tube compound) has been eliminated;
- c) there are now four hose types (all with a low-extraction tube);
- d) a hose flammability test has been introduced;
- e) a cyclic kinking test has been introduced;
- f) a flex test at $-30\text{ }^{\circ}\text{C}$ has been introduced;
- g) the flexibility at room temperature test is carried out at $20\text{ }^{\circ}\text{C}$ as opposed to $23\text{ }^{\circ}\text{C}$ originally.