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Second edition
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Rubber and plastics hoses, non-collapsible, for fire-fighting service —

Part 1: Semi-rigid hoses for fixed systems

Tuyaux en caoutchouc et en plastique, non aplatisables, pour la lutte contre l'incendie —

Partie 1: Tuyaux semi-rigides pour systèmes fixes



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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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

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 second edition cancels and replaces the first edition (ISO 4642-1:2009), of which it constitutes a minor revision.

ISO 4642 consists of the following parts, under the general title *Rubber and plastics hoses, non-collapsible, for fire-fighting service*:

- *Part 1: Semi-rigid hoses for fixed systems*
- *Part 2: Semi-rigid hoses (and hose assemblies) for pumps and vehicles*

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Introduction

A fixed system is a manually operated unit installed in a building in order to make it possible for the occupants to control and extinguish a small fire. The system consists of fixed units mounted on walls or in cabinets permanently connected to a water supply. The fixed units are composed of a coupling, a valve, a semi-rigid water-filled hose with its support and a nozzle.