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Fourth edition
2016-01-15

Plastics hoses — Textile-reinforced types for compressed-air applications — Specification

*Tuyaux en plastique — Types armés de textile pour applications avec
de l'air comprimé — Spécifications*



Reference number
ISO 5774:2016(E)

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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).

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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 fourth edition cancels and replaces the third edition (ISO 5774:2006), of which it constitutes a minor revision.

The minor changes are as follows:

- [Clause 2](#) has been updated: ISO 1746, ISO 4672 and ISO 11758 have been deleted and replaced by ISO 10619-1, 10619-2 and ISO 30013.
- Pressures have been specified in MPa and bar (with the units stated) and [Table 5](#) has been amended accordingly. Also [Clause 10](#) (Marking) has been slightly modified to make the information more complete.
- The term "type approval" has been replaced by "type test".
- The error in [Annex B](#), where, in the column "routine testing", the proof pressure test was marked N.A. has been corrected. Proof pressure testing for each length of finished hose supplied has become normative as standard for nearly all other hose product standards.
- Also [Annex C](#) (informative) has been amended (this annex is for guidance only) and the recommendation for production acceptance testing on tensile strength/elongation at break of lining and cover, change in length and diameter at proof pressure, adhesion, bending test has been changed from "N.A." to "X", in order to monitor the quality of manufacturer's production more efficiently.

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Introduction

This International Standard has been prepared to provide minimum acceptable requirements for the satisfactory performance of flexible thermoplastics hoses, textile reinforced, for compressed-air applications.

Maximum working pressures of each hose type are specified with two operating temperatures.

Some hose materials will require a hydrolysis test (given in [Annex A](#)).