

**SLOVENSKI STANDARD
SIST EN ISO 5774:2000****01-december-2000**

Plastics hoses, textile-reinforced, for compressed air - Specification (ISO 5774:1997)

Plastics hoses, textile-reinforced, for compressed air - Specification (ISO 5774:1997)

Kunststoffschläuche mit Textileinlage für Druckluft - Spezifikation (ISO 5774:1997)

Tuyaux en plastique armés de textile pour l'air comprimé - Spécifications (ISO 5774:1997)

STANDARD PREVIEW
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Ta slovenski standard je istoveten z: **EN ISO 5774:2000**

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ICS:

23.040.70 Gumene cevi in armature Hoses and hose assemblies

SIST EN ISO 5774:2000**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5774

April 2000

ICS 23.040.70

English version

Plastics hoses, textile-reinforced, for compressed air -
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Kunststoffschläuche mit Textileinlage für Druckluft -
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This European Standard was approved by CEN on 7 March 2000.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

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Foreword

The text of the International Standard from Technical Committee ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as an European Standard by 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 2000, and conflicting national standards shall be withdrawn at the latest by October 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 5774:1997 has been approved by CEN as a European Standard without any modification.

NOTE: Normative references to International Standards are listed in annex ZA (normative).

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Annex ZA (normative)**Normative references to international publications with their relevant European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN</u>	<u>Year</u>
ISO 176	1976	Plastics - Determination of loss of plasticizers - Activated carbon method	EN ISO 176	1999
ISO 1307	1992	Rubber and plastics hoses for general-purpose industrial applications - Bore diameters and tolerances, and tolerances on length	EN ISO 1307	1995
ISO 1402	1994	Rubber and plastics hoses and hose assemblies - Hydrostatic testing	EN ISO 1402	1996
ISO 1746	1983	Rubber or plastics hoses and tubing - Bending tests	EN 21746	1993
ISO 4672	1997	Rubber and plastics hoses - Sub-ambient temperature flexibility tests	EN ISO 4672	1999
ISO 7751	1991	Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to design working pressure	EN ISO 7751	1997
ISO 8033	1991	Rubber and plastics hose - Determination of adhesion between components	EN 28033	1993
ISO 11758	1995	Rubber and plastics hoses - Exposure to a xenon arc lamp - Determination of changes in colour and appearance	EN ISO 11758	1997

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INTERNATIONAL
STANDARD

ISO
5774

Second edition
1997-08-01

**Plastics hoses, textile-reinforced,
for compressed air — Specification**

Tuyaux en plastique armés de textile pour l'air comprimé — Spécifications

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Reference number
ISO 5774:1997(E)

ISO 5774:1997(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 5774 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Hoses (rubber and plastics)*.

This second edition cancels and replaces the first edition (ISO 5774:1980), of which it constitutes a technical revision.

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Plastics hoses, textile-reinforced, for compressed air — Specification

1. Scope

This International Standard specifies the requirements for four types of flexible textile reinforced thermoplastics hoses for use up to a maximum working pressure of 25 bar (2,5 MPa) at 23 °C, for application in a temperature range from -10 °C to +60 °C.

Note -At temperatures above 23 °C and particularly above 40 °C the maximum working pressure will be reduced.

2. Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below.

Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 3 : 1973,	Preferred numbers - Series of preferred numbers.
ISO 37 : 1994,	Rubber, vulcanized or thermoplastic - Determination of tensile stress-strain properties.
ISO 105 : A02 : 1993	Textiles - Tests for colour fastness - Part A02 : Grey Scales for assessing change in colour
ISO 176 : 1976,	Plastics - Determination of loss of plasticizers - Activated carbon method.
ISO 188 : 1982,	Rubber, vulcanized - Accelerated ageing or heat resistance tests.
ISO 1307 : 1992,	Rubber and plastics hose for general purpose industrial applications - Bore diameters and tolerances on length.
ISO 1402 : 1994,	Rubber and plastics hoses and hose assemblies - Hydrostatic testing.
ISO 1746 : 1983,	Rubber or plastics hoses - Bending tests.
ISO 1817 : 1985,	Rubber, vulcanized - Determination of the effect of liquids.
ISO 4672 : 1988,	Rubber and plastics hoses - Sub-ambient temperature flexibility tests.
ISO 7751 : 1991,	Rubber and plastics hoses and hose assemblies - Ratios of proof and burst pressure to design working pressure.
ISO 8033 : 1991,	Rubber and plastics hose - Determination of adhesion between components.
ISO 11758 : 1995	Rubber and plastics hoses - Exposure to a xenon arc lamp - Determination of changes in colour and appearance