



SLOVENSKI STANDARD SIST EN ISO 8028:2001

01-junij-2001

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Rubber and/or plastics hoses and hose assemblies for airless paint spraying -
Specification (ISO 8028:1999)

Gummi- und/oder Kunststoffschläuche und -schlauchleitungen für das luftfreie
Farbspritzen - Spezifikation (ISO 8028:1999)

Tuyaux et flexibles en caoutchouc et/ou en plastique pour pulvérisation ?AIRLESS? des
peintures - Spécifications (ISO 8028:1999)

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Ta slovenski standard je istoveten z: EN ISO 8028:2000

ICS:

83.140.40	Gumene cevi	Hoses
87.100	Oprema za nanašanje premazov	Paint coating equipment

SIST EN ISO 8028:2001

en

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 8028

August 2000

ICS 83.140.40; 87.100

Supersedes EN 28028:1993

English version

Rubber and/or plastics hoses and hose assemblies for airless
paint spraying - Specification (ISO 8028:1999)

Tuyaux et flexibles en caoutchouc et/ou en plastique pour
pulvérisation "AIRLESS" des peintures - Spécifications
(ISO 8028:1999)

Gummi- und/oder Kunststoffschläuche und -
schlauchleitungen für das luftfreie Farbspritzen -
Spezifikation (ISO 8028:1999)

This European Standard was approved by CEN on 13 July 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 replaces EN 28028:1993.

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 February 2001, and conflicting national standards shall be withdrawn at the latest by February 2001.

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 8028:1999 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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INTERNATIONAL STANDARDS

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 1402	1994	Rubber and plastics hoses and hose assemblies — Hydrostatic testing	EN ISO 1402	1996
ISO 6803	1994	Rubber or plastics hoses and hose assemblies — Hydraulic-pressure impulse test without flexing	EN ISO 6803	1997
ISO 7326	1991	Rubber and plastics hoses — Assessment of ozone resistance under static conditions	EN 27326	1993
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 8031	1993	Rubber and plastics hoses and hose assemblies — Determination of electrical resistance	EN ISO 8031	1997
ISO 8033	1991	Rubber and plastics hose — Determination of adhesion between components	EN 28033	1993
ISO 8580	1987	Rubber and plastics hoses — Determination of ultra-violet resistance under static conditions	EN ISO 8580	1995

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INTERNATIONAL STANDARD

**ISO
8028**

Second edition
1999-07-15

Rubber and/or plastics hoses and hose assemblies for airless paint spraying — Specification

*Tuyaux et flexibles en caoutchouc et/ou en plastique pour pulvérisation
«AIRLESS» des peintures — Spécifications*

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Reference number
ISO 8028:1999(E)

ISO 8028:1999(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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 8028 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 8028:1987) which has been technically revised.

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Printed in Switzerland

Rubber and/or plastics hoses and hose assemblies for airless paint spraying — Specification

WARNING — Persons using this International Standard should be familiar with normal laboratory practice. This standard does not purport to address all of the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any national regulatory conditions.

1 Scope

This International Standard specifies the requirements for four types, differentiated by burst pressure and temperature of use, of elastomeric hose and hose assembly for use in airless paint spraying.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 471:1995, *Rubber — Temperatures, humidities and times for conditioning and testing*.

ISO 1402:1994, *Rubber and plastics hoses and hose assemblies — Hydrostatic testing*.

ISO 1817:1999, *Rubber, vulcanized — Determination of the effect of liquids*.

ISO 6803:1994, *Rubber or plastics hoses and hose assemblies — Hydraulic-pressure impulse test without flexing*.

ISO 7326:1991, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions*.

ISO 7751:1991, *Rubber and plastics hoses and hose assemblies — Ratios of proof and burst pressure to design working pressure*.

ISO 8031:1993, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance*.

ISO 8033:1991, *Rubber and plastics hoses — Determination of adhesion between components*.

ISO 8580:1987, *Rubber and plastics hoses — Determination of ultra-violet resistance under static conditions*.

3 Types of hose

Four types of hose and hose assembly are specified, as follows:

- Type A: Assemblies designed for a maximum working pressure of 200 bar (20 MPa), intended for spraying paints containing solvents at temperatures from -20 °C to $+50\text{ °C}$.