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| <b>STN</b> | <b>Gumové alebo plastové hadice a hadice<br/>s koncovkami na bezvzduchové<br/>striekanie náterových látok<br/>Špecifikácia (ISO 8028: 2024)</b> | <b>STN<br/>EN ISO 8028</b><br><br>63 5410 |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|

Rubber and/or plastics hoses and hose assemblies for airless paint spraying - Specification (ISO 8028:2024)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/24

Obsahuje: EN ISO 8028:2024, ISO 8028:2024

Oznámením tejto normy sa ruší  
STN EN ISO 8028 (63 5410) z februára 2019

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 8028**

August 2024

ICS 83.140.40; 87.100

Supersedes EN ISO 8028:2018

English Version

**Rubber and/or plastics hoses and hose assemblies for  
airless paint spraying - Specification (ISO 8028:2024)**

Tuyaux et flexibles en caoutchouc et/ou en plastique  
pour pulvérisation (AIRLESS) des peintures -  
Spécifications (ISO 8028:2024)

Gummi- und/oder Kunststoffschläuche und -  
schlauchleitungen für das luftfreie Farbspritzen -  
Spezifikation (ISO 8028:2024)

This European Standard was approved by CEN on 9 August 2024.

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EN ISO 8028:2024 (E)

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## **European foreword**

This document (EN ISO 8028:2024) has been prepared by Technical Committee ISO/TC 45 "Rubber and rubber products" in collaboration with 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of an identical text or by endorsement, at the latest by February 2025, and conflicting national standards shall be withdrawn at the latest by February 2025.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN ISO 8028:2018.

Any feedback and questions on this document should be directed to the users' national standards body/national committee. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## **Endorsement notice**

The text of ISO 8028:2024 has been approved by CEN as EN ISO 8028:2024 without any modification.



# International Standard

**ISO 8028**

## 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*

**Fourth edition  
2024-07**

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## ISO 8028:2024(en)

## 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 document 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](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

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This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products, Subcommittee SC 1, Rubber and plastics hoses and hose assemblies*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 218, *Rubber and plastics hoses and hose assemblies*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This fourth edition cancels and replaces the third edition (ISO 8028:2017), which has been technically revised.

The main changes are as follows:

- [subclause 8.1](#) and Table A.2 (merged with [Table A.1](#)) have been re-written to clarify the conditions for the number of test samples;
- [subclause 8.2](#) has been re-written to make appropriate minimum bend radius and to confirm the Electrical-continuity requirements after the impulse test;
- [subclause 8.3](#) has been re-written to cite appropriate subclauses in ISO 8031;
- in [Clause 12](#), year of publication has been deleted, and the unit of working pressure to MPa as a main unit has been changed;
- Annex B has been deleted;
- the Normative references have been updated.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

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

**WARNING** — Persons using this document should be familiar with normal laboratory practice. This document 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.

## 1 Scope

This document specifies the requirements for four types of hose and hose assemblies for use in airless paint spraying. The four types are differentiated by burst pressure and operating temperature, and can be constructed from rubber or plastic materials, or a combination of rubber and plastic material.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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

ISO 1817:2024, *Rubber, vulcanized or thermoplastic — Determination of the effect of liquids*

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

ISO 7326:2016, *Rubber and plastics hoses — Assessment of ozone resistance under static conditions*

ISO 8031:2020, *Rubber and plastics hoses and hose assemblies — Determination of electrical resistance and conductivity*

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

ISO 8330, *Rubber and plastics hoses and hose assemblies — Vocabulary*

ISO 30013:2011, *Rubber and plastics hoses — Methods of exposure to laboratory light sources — Determination of changes in colour, appearance and other physical properties*

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