

# SLOVENSKI STANDARD oSIST prEN 1761:2024

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### Gumene cevi in cevni priključki za dostavo goriva s cisterno - Specifikacija

Rubber hoses and hose assemblies for fuel truck delivery - Specification

Gummischläuche und -schlauchleitungen für Tankwagen - Spezifikation

Tuyaux et flexibles en caoutchouc pour la livraison d'hydrocarbures liquides par camions-citernes - Spécification

Ta slovenski standard je istoveten z: prEN 1761

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Petroleum products and

natural gas handling

equipment

Hoses

oSIST prEN 1761:2024

en,fr,de

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### EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

# DRAFT prEN 1761

October 2024

ICS 75.200

Will supersede EN 1761:1999

#### **English Version**

## Rubber hoses and hose assemblies for fuel truck delivery - Specification

Tuyaux et flexibles en caoutchouc pour la livraison d'hydrocarbures liquides par camions-citernes -Spécification Gummischläuche und -schlauchleitungen für Tankwagen - Spezifikation

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 218.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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 CEN-CENELEC Management Centre has the same status as the official versions.

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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

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

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### **European foreword**

This document (prEN 1761:2024) has been prepared by Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies", the secretariat of which is held by BSI.

This document is currently submitted to the CEN Enquiry.

This document will supersede EN 1761:1999.

prEN 1761:2024 includes the following significant technical changes with respect to EN 1761:1999:

- Modification of the Scope by introducing a note regarding on how to proceed with other temperatures and working pressures;
- In Table 1 adoption of the Dimensions Nb 80 and 125;
- In Table 3 modification of the entries for "Proof pressure min." and "Burst pressure min.";
- Introduction of a new Annex A for Test frequency for type tests and routine tests.

This document is based on ISO 2929, BS 3492 and the German military standard VG 95955.

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#### prEN 1761:2024 (E)

### 1 Scope

This document specifies the requirements for two types of rubber hoses and rubber hose assemblies for loading and discharge of liquid hydrocarbon fuels with a maximum working pressure of 10 bar (1,0 MPa).

Both types of hose are designed for:

- a) use with hydrocarbon fuels, having an aromatic hydrocarbon content not exceeding 50 % by volume and containing oxygenated compounds up to 15 %;
- b) operation within the temperature range of -30 °C to +70 °C, undamaged by climatic conditions of -50 °C to 70 °C when stored in static conditions.

This document is not applicable to hoses and hose assemblies for LPG, aviation fuel systems, fuel station systems and marine applications.

### 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.

EN ISO 1402, Rubber and plastics hoses and hose assemblies — Hydrostatic testing (ISO 1402)

EN ISO 4671, Rubber and plastics hoses and hose assemblies — Methods of measurement of the dimensions of hoses and the lengths of hose assemblies (ISO 4671)

EN ISO 7233, Rubber and plastic hoses and hose assemblies — Determination of resistance to vacuum (ISO 7233)

EN ISO 7326, Rubber and plastics hoses — Assessment of ozone resistance under static conditions (ISO 7326)

EN ISO 8031, Rubber and plastics hoses and hose assemblies — Determination of electrical resistance and conductivity (ISO 8031)

EN ISO 8033:2017, Rubber and plastics hose — Determination of adhesion between components (ISO 8033:2016)

EN ISO 10619-1, Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 1: Bending tests at ambient temperature (ISO 10619-1)

EN ISO 10619-2:2021, Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 2: Bending tests at sub-ambient temperatures (ISO 10619-2:2021)

ISO 37, Rubber, vulcanized or thermoplastic — Determination of tensile stress-strain properties

ISO 188, Rubber, vulcanized or thermoplastic — Accelerated ageing or heat-resistance tests

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

ISO 4649:2024, Rubber, vulcanized or thermoplastic — Determination of abrasion resistance using a rotating cylindrical drum device