



BSI Standards Publication

Rubber hoses and hose assemblies for fuel truck delivery — Specification

National foreword

This British Standard is the UK implementation of EN 1761:2025. It supersedes BS EN 1761:1999, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/66, Rubber and plastics tubing, hoses and hose assemblies.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Rubber hoses and hose assemblies for fuel truck delivery - Specification

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

Gummischläuche und -schlauchleitungen für
Tankwagen - Spezifikation

This European Standard was approved by CEN on 19 October 2025.

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European foreword

This document (EN 1761:2025) 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 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of an identical text or by endorsement, at the latest by May 2026, and conflicting national standards shall be withdrawn at the latest by May 2026.

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 1761:1999.

EN 1761:2025 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 80 mm and 125 mm;
- 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;
- add the option of using water as a test liquid in place of Liquid F for the Flammability Test in Annex D.

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

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

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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 10619-1:2018, *Rubber and plastics hoses and tubing — Measurement of flexibility and stiffness — Part 1: Bending tests at ambient temperature (ISO 10619-1:2017)*

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*