

STN	Gumové a plastové hadice, rúrky a zostavy na použitie propánu, butánu a ich zmesí v plynnej fáze Časť 2: Zostavy	STN EN 16436-2 27 8320
------------	---	--

Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixture in the vapour phase - Part 2: Assemblies

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. 05/19

Obsahuje: EN 16436-2:2018

128761

EUROPEAN STANDARD

EN 16436-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 23.040.70

English Version

Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixture in the vapour phase - Part 2: Assemblies

Tuyaux, tubes et flexibles en caoutchouc et en plastique pour utilisation avec le propane, le butane et leurs mélanges en phase vapeur - Partie 2 : Flexibles

Gummi- und Kunststoff-Schläuche und -Schlauchleitungen mit und ohne Einlage zur Verwendung mit Propan, Butan und deren Gemische in der Gasphase - Teil 2: Schlauchleitungen

This European Standard was approved by CEN on 29 July 2018.

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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 16436-2:2018 (E)

Contents	Page
European foreword	3
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Fixing of the coupling	5
5 General requirements for couplings and assemblies	5
5.1 Materials	5
5.2 Length of assembly	6
5.3 Securing of couplings on hoses or tubing	6
5.4 Design of couplings for use in assemblies	6
5.5 Utilization of class 1 tubing and class 2 hoses with hose tails which are part of an auxiliary equipment as regulating devices or gas appliances	7
6 Performance requirements for assemblies and tubing clamp kits	7
6.1 Integrity before and after ageing	7
6.2 Clamps	7
6.3 Corrosion resistance	8
7 Marking	8
7.1 Hose or tubing assembly	8
7.2 Tubing clamp kits	8
8 Packaging	9
9 Instructions	9
9.1 For assemblies	9
9.2 For tubing clamp kit	11
Annex A (normative) National situations	12
A.1 Marking of expiry date	12
A.2 Use of clamp	12
Annex B (normative) Types and dimensions of couplings and hose tails	14
B.1 Types of couplings	14
B.2 Dimensions of the main types of hose tails and couplings	14
Annex C (normative) Test methods for hose tails, couplings and assemblies	16
C.1 Pressure tests	16
C.2 Ageing	16
C.3 Pull-off test	16
C.4 Leakage test	16
C.5 Corrosion test	17

European foreword

This document (EN 16436-2:2018) has been prepared by Technical Committee CEN/TC 181 “Dedicated liquefied petroleum gas appliances”, the secretariat of which is held by AFNOR.

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 June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

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.

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

EN 16436-2:2018 (E)**1 Scope**

This document describes and specifies the characteristics and performance requirements for assemblies made of tubing and hoses complying with EN 16436-1:2014+A2:2018 to be used in the same conditions.

All connections are given in Annex B.

This document only defines specific connections which are not defined in other standards (e.g. EN 16129).

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 1254-2:2011, *Copper and copper alloys - Plumbing fittings Part 2: Fittings with compression ends for use with copper tubes*

EN 16436-1:2014,¹ *Rubber and plastics hoses, tubing and assemblies for use with propane and butane and their mixture in the vapour phase - Part 1: Hoses and tubings*

EN ISO 1402:2009, *Rubber and plastics hoses and hose assemblies - Hydrostatic testing (ISO 1402:2009)*

EN ISO 9227:2017, *Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227:2017)*

ISO 188:2011, *Rubber, vulcanized or thermoplastic — Accelerated ageing and heat resistance tests*

EN ISO 8330:2014, *Rubber and plastics hoses and hose assemblies - Vocabulary (ISO 8330:2014)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN

¹ Impacted by EN 16436-1:2014+A2:2018