

Irish Standard I.S. EN ISO 8331:2016

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2016)

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I.S. EN ISO 8331:2016

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NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

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National Foreword

I.S. EN ISO 8331:2016 is the adopted Irish version of the European Document EN ISO 8331:2016, Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2016)

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EUROPEAN STANDARD

EN ISO 8331

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2016

ICS 23.040.70

Supersedes EN ISO 8331:2014

English Version

Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance (ISO 8331:2016)

Tuyaux et flexibles en caoutchouc et en plastique -Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance (ISO 8331:2016) Gummi- und Kunststoffschläuche und schlauchleitungen - Richtlinien für die Auswahl, Lagerung, Verwendung und Wartung (ISO 8331:2016)

This European Standard was approved by CEN on 19 October 2016.

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EN ISO 8331:2016 (E)

Contents	Page	
European foreword	3	

EN ISO 8331:2016 (E)

European foreword

This document (EN ISO 8331:2016) 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of an identical text or by endorsement, at the latest by May 2017, and conflicting national standards shall be withdrawn at the latest by May 2017.

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

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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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 8331:2016 has been approved by CEN as EN ISO 8331:2016 without any modification.

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INTERNATIONAL STANDARD

ISO 8331

Fourth edition 2016-11-01

Rubber and plastics hoses and hose assemblies — Guidelines for selection, storage, use and maintenance

Tuyaux et flexibles en caoutchouc et en plastique — Lignes directrices pour la sélection, le stockage, l'utilisation et la maintenance





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Con	Contents				
Forev	word			v	
1	Scope	<u>,</u>		1	
2	Norm	ative refere	nces	1	
3	Term	tions	1		
4			endations		
4	4.1		riteria		
	4.2		ditions		
	1.2		neral		
			rage period		
			nperature		
			midity		
		4.2.5 Lig	ht	3	
		4.2.6 Oze	one	3	
		4.2.7 En	vironment	3	
			urces of heat		
			ctric and magnetic fields		
			thod of storing		
			dents		
			ue from storage		
	4.0		turn to storage		
	4.3		intenance		
			ndling		
			essure		
			nperatureoducts conveyed		
			vironment		
			nding radii		
			rsional stress		
			isile stress		
			pration		
			sembly of end fittings		
			akage		
			ectrical properties		
			ed installations		
		4.3.14 Mo	ving parts	5	
		4.3.15 Ma	rking/identification	5	
			intenance		
		4.3.17 Rej	pairing of hoses	6	
5	Addit	ional recom	mendations for specific applications	6	
	5.1				
	5.2	Welding an	d gas-cutting hoses	6	
	5.3		S		
	5.4	Hoses for th	ne conveyance of foodstuffs and drinking water	7	
	5.5		ne conveyance of abrasive products		
	5.6	Hoses for the conveyance of corrosive or aggressive products			
	5.7				
	5.8		hoses		
	5.9	_	g hoses		
			neral		
	F 10		ecial points to be observed		
	5.10		y hoses and hose assemblies		
			neral		
		5.10.2 Spe	ecial points to be observed	TU	

Bibliography	,	13
Dibilography		_

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 documents 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).

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

The committee responsible for this document is ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 1, *Rubber and plastics hoses and hose assemblies*.

This fourth edition cancels and replaces the third edition (ISO 8331:2014), which has been technically revised with the following change:

4.9 has been deleted.

Rubber and plastics hoses and hose assemblies — Guidelines for selection, storage, use and maintenance

1 Scope

This document sets out recommendations designed to maintain rubber and plastics hoses and hose assemblies, prior to use, in a condition as close as possible to the condition they were in when they were received and to obtain the expected service life.

NOTE It is intended that this document be used in conjunction with any applicable national statutory regulations.

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 2230, Rubber products — Guidelines for storage

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

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 8330 apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 General recommendations

4.1 Selection criteria

It is in the best interests of the user to select hoses or hose assemblies complying with national or international standards whenever such standards exist for the intended application. For applications outside the scope of such standards, needing special requirements or for which the necessary information is not available, the hose manufacturer or trade association should be consulted.

The following points should be taken into consideration when selecting a hose or hose assembly for a specific application:

- a) Operational environment:
 - ambient temperature;
 - atmospheric conditions;
 - contact with chemically aggressive liquids;



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