
Gumene in polimerne cevi za splošne industrijske namene - Premeri in tolerance ter tolerance dolžin (ISO 1307:1992)

Rubber and plastics hoses for general-purpose industrial applications - Bore diameters and tolerances, and tolerances on length (ISO 1307:1992)

Gummi- und Kunststoffschläuche für gewerbliche Zwecke - Innendurchmesser und Längentoleranzen (ISO 1307:1992)

Tuyaux en caoutchouc et en plastique à usage général dans les applications industrielles - Diamètres intérieurs et leurs tolérances, et tolérances sur la longueur (ISO 1307:1992)

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Ta slovenski standard je istoveten z: EN ISO 1307:1995

ICS:

23.040.70 Gumene cevi in armature Hoses and hose assemblies

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EUROPEAN STANDARD

EN ISO 1307

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1995

ICS 23.040.70

Descriptors: rubber products, plastics products, hoses, rubber hoses, dimensions, diameters, length, dimensional tolerances

English version

**Rubber and plastics hoses for general-purpose
industrial applications - Bore diameters and
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(ISO 1307:1992)**

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

Foreword

The text of the International Standard from ISO/TC 45 "Rubber and rubber products" of the International Organization for Standardization (ISO) has been taken over as a European Standard by the Technical Committee CEN/TC 218 "Rubber and plastics hoses and hose assemblies".

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by publication of an identical text or by endorsement, at the latest by June 1996, and conflicting standards shall be withdrawn at the latest by June 1996.

According to the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

Endorsement notice

The text of the International Standard ISO 1307:1992 has been approved by CEN as a European Standard without any modification.

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INTERNATIONAL STANDARD

**ISO
1307**

Third edition
1992-07-15

Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length

iTeh STANDARD PREVIEW

*Tuyaux en caoutchouc et en plastique à usage général dans les
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Reference number
ISO 1307:1992(E)

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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 1307 was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Sub-Committee SC 1, *Hoses (rubber and plastics)*.

SIST EN ISO 1307:2000

This third edition ~~cancels and replaces the second edition~~ (ISO 1307:1983), of which it constitutes a technical revision.

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International Organization for Standardization
Case Postale 56 • CH-1211 Genève 20 • Switzerland

Printed in Switzerland

Rubber and plastics hoses for general-purpose industrial applications — Bore diameters and tolerances, and tolerances on length

1 Scope

This International Standard specifies preferred bore diameters and tolerances, and tolerances on length, for rubber and plastics hoses for general-purpose industrial applications. Rubber and plastics hoses for hydraulic and automotive applications are not included. The standard is to be used only if the relevant product standard does not list its own specific diameters and tolerances.

2 Bore diameters and tolerances

The bore diameters of rubber and plastics hoses and the tolerances on bore diameter shall be in accordance with the requirements of table 1.

3 Tolerances on length

The tolerances on cut lengths shall be in accordance with the requirements of table 2.

Table 1 — Bore diameters and tolerances

Dimensions in millimetres

Nominal bore diameter	Tolerances on:		
	Hoses built on rigid mandrels	Hoses built on flexible mandrels	Non-mandrel-built hoses
3,2	± 0,30	+ 0,50 to – 0,30	± 0,60
4,0 5,0	± 0,40	+ 0,60 to – 0,40	
6,3 8,0 10,0			± 0,60
12,5 16	+ 0,90 to – 0,70		
19 20			
25	± 0,80		
31,5 38 40	± 1,00	+ 1,20 to – 0,80	± 1,60
50 51	± 1,20	+ 1,50 to – 1,00	
63			
76 80	± 1,40		
100 125	± 1,60		
150	± 2,00		
200	± 2,50		
250 315	± 3,00		

Table 2 — Tolerances on length

Values in millimetres,
unless otherwise shown

Length	Tolerance
≤ 300	± 3
> 300 to ≤ 600	$\pm 4,5$
> 600 to ≤ 900	± 6
> 900 to $\leq 1\,200$	± 9
$> 1\,200$ to $\leq 1\,800$	± 12
$> 1\,800$	$\pm 1\%$