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**Roostevabad terastorud. Mõõtmed,
tolerantsid ja tavaline mass pikkusühiku
kohta**

Stainless steel tubes - Dimensions, tolerances and
conventional masses per unit length

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN ISO 1127:1999 sisaldab Euroopa standardi EN ISO 1127:1996 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN ISO 1127:1999 consists of the English text of the European standard EN ISO 1127:1996.</p> <p>This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala: Käesolev standard määrab kindlaks roostevabade terastorude läbimõõdud, seinapaksused, tolerantsid ja pikkusühiku tavalise massi.</p>	<p>Scope:</p>
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ICS 23.040.10

Võtmesõnad: austeniit terased, ferriit terased, joontihedus, martensiit terased, mõõtmed, mõõtmeterantsid, roostevabad terased, terastorud, torustik

ICS 23.040.10

Descriptors: Steel, pipes, dimensions.

English version

Stainless steel tubes

Dimensions, tolerances and conventional masses per unit length
(ISO 1127:1992)

Tubes en acier inoxydable – Dimensions,
tolérances et masses linéiques
conventionnelles (ISO 1127:1992)

Nichtrostende Stahlrohre – Maße, Grenz-
abmaße und längenbezogene Masse
(ISO 1127:1992)

This European Standard was approved by CEN on 1996-02-16 and is identical to the ISO Standard as referred to.

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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

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

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

Foreword

International Standard

ISO 1127:1992 Stainless steel tubes – Dimensions, tolerances and conventional masses per unit length, which was prepared by ISO/TC 5 'Ferrous metal pipes and metallic fittings' of the International Organization for Standardization, has been adopted by Technical Committee ECISS/TC 29 'Steel tubes and fittings for steel tubes' as a European Standard.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by October 1996 at the latest.

In accordance with the CEN/GENELEC 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 1127:1992 was approved by CEN as a European Standard without any modification.

1 Scope

This International Standard specifies the diameters, thicknesses, tolerances and conventional masses per unit length of stainless steel tubes.

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5252:1991, *Steel tubes — Tolerance systems.*

3 Dimensions

The outside diameters and thicknesses of the tubes specified in this International Standard have been selected from ISO 4200. If thicknesses greater than 14,2 mm are needed, they should be chosen from ISO 4200.

4 Tolerances

The tolerances permitted on the outside diameter and thickness of the tubes result from the method of manufacture, the steel types and the heat treatment. The tolerances shall be selected from the values given in tables 1 and 2.

4.1 Tolerances on outside diameter

See table 1.

Table 1 — Tolerances on outside diameter

Tolerance class	Tolerance on outside diameter
D ₁	± 1,5 % with ± 0,75 mm min.
D ₂	± 1 % with ± 0,5 mm min.
D ₃	± 0,75 % with ± 0,3 mm min.
D ₄	± 0,5 % with ± 0,1 mm min.

The tolerances on outside diameter include ovality.

4.2 Tolerances on thickness

See table 2.

Table 2 — Tolerances on thickness

Tolerance class	Tolerance on thickness
T ₁	± 15 % with ± 0,6 mm min.
T ₂	± 12,5 % with ± 0,4 mm min.
T ₃	± 10 % with ± 0,2 mm min.
T ₄	± 7,5 % with ± 0,15 mm min.
T ₅	± 5 % with ± 0,1 mm min.

The tolerances on thickness include eccentricity.