

Hoonete ventilatsioon – Ümmarguse ristlõikega lehtmetailist õhutorud ja fittingud – Mõõtmed

Ventilation for buildings - Sheet metal air ducts and fittings with circular cross-section - Dimensions

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1506:2007 sisaldab Euroopa standardi EN 1506:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 21.08.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1506:2007 consists of the English text of the European standard EN 1506:2007.</p> <p>This document is endorsed on 21.08.2007 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: This European Standard specifies dimensions of ducts and duct fittings with circular cross- section. It applies to ductwork used in ventilating and air conditioning systems in buildings, subject to human occupancy. The wall thickness of ducts and fittings is not specified in this standard; strength and leakage are dealt with in EN 12237 [2]. The corresponding standard for rectangular ducts is EN 1505 [1].</p>	<p>Scope: This European Standard specifies dimensions of ducts and duct fittings with circular cross- section. It applies to ductwork used in ventilating and air conditioning systems in buildings, subject to human occupancy. The wall thickness of ducts and fittings is not specified in this standard; strength and leakage are dealt with in EN 12237 [2]. The corresponding standard for rectangular ducts is EN 1505 [1].</p>
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Võtmesõnad: accessories, aeraulic pipes, air conditioning, buildings, circular form, definitions, dimensional tolerances, dimensions, metal plates, ventilation

English Version

Ventilation for buildings - Sheet metal air ducts and fittings with circular cross-section - Dimensions

Ventilation des bâtiments - Conduits en tôle et accessoires
à section circulaire - Dimensions

Lüftung von Gebäuden - Luftleitungen und Formstücke aus
Blech mit rundem Querschnitt - Maße

This European Standard was approved by CEN on 24 May 2007.

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 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 Management Centre has the same status as the official versions.

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



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Contents

Page

Foreword	3
Introduction	4
1 Scope	6
2 Normative references	6
3 Terms, definitions and symbols	6
4 Dimensions and values for ducts	7
5 Dimensions for fittings	8
5.1 General	8
5.2 Joints	8
5.3 Bends	9
5.4 Branches and T-pieces	10
5.4.5 Transformation pieces	13
5.4.6 Closures	14
6 Tolerances and clearances	15
Annex A (informative) Examples of alternative designs of ends and connectors	18
Bibliography	21

Foreword

This document (EN 1506:2007) has been prepared by Technical Committee CEN/TC 156 "Ventilation for buildings", 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 December 2007, and conflicting national standards shall be withdrawn at the latest by December 2007.

This document supersedes EN 1506:1997.

This standard is one of a series of standards for ductwork used for ventilation and air conditioning of buildings for human occupancy, and it has a parallel standard referring to dimensions of rectangular ducts.

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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

The position of this standard in the field of mechanical building services is shown in Figure 1.

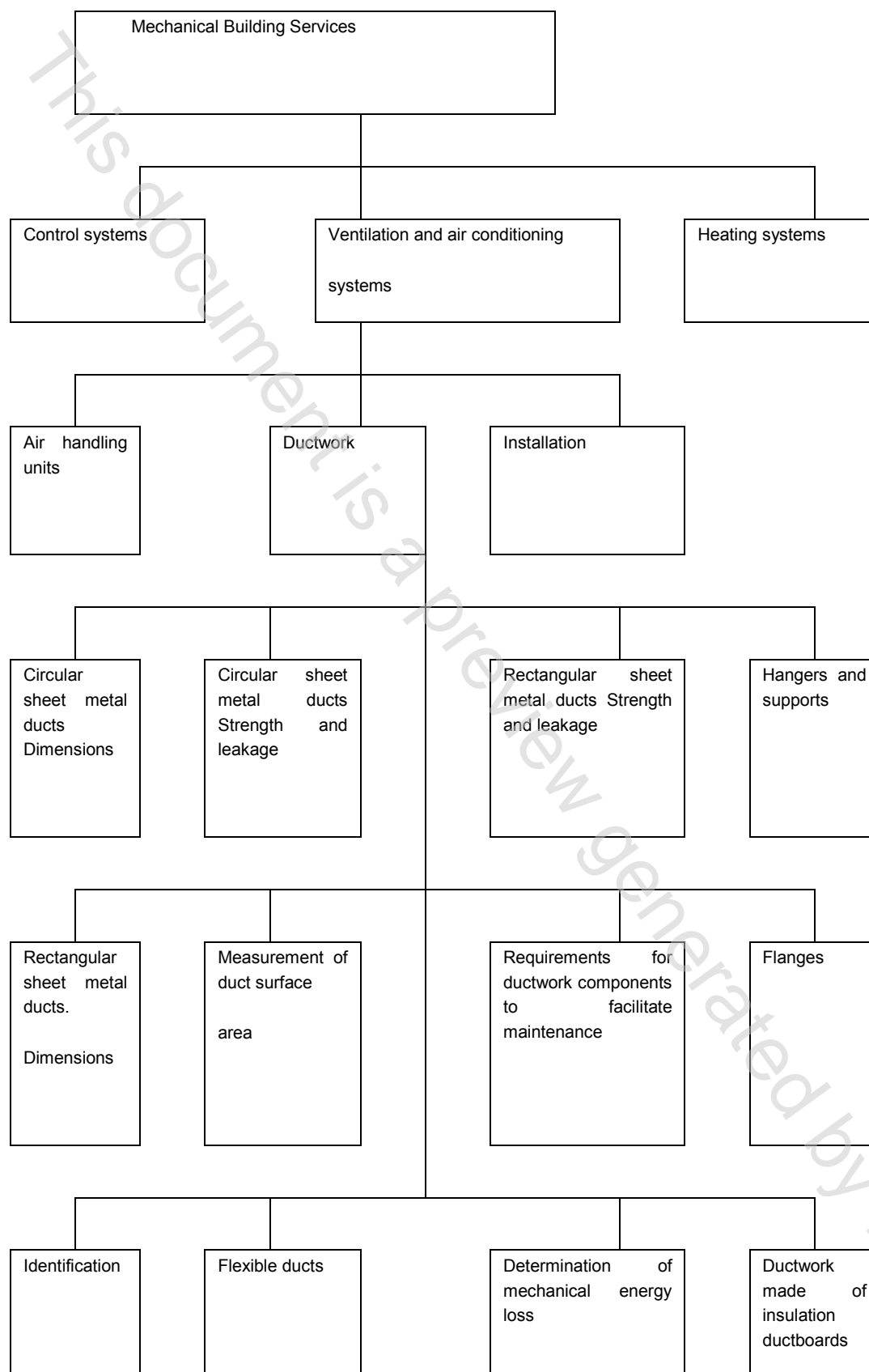


Figure 1 — Position of EN 1506 in the field of mechanical building servicesIntroduction

Introduction

This revised standard has been prepared by CEN/TC 156 to specify standardized dimensions and tolerances for ducts and duct fittings with circular cross-section, used in ventilation systems.

Dimensions and tolerances for straight ducts given in this standard are in accordance with ISO 7807: 1983 [3] concerning recommended sizes.

It is intended that the additional sizes (A) which are in use in some countries will be phased out and may be removed from a future edition of the standard.

The dimensions given for duct fittings are based on document EUROVENT 2/4 [4].

1 Scope

This European Standard specifies dimensions of ducts and duct fittings with circular cross-section. It applies to ductwork used in ventilating and air conditioning systems in buildings, subject to human occupancy. The wall thickness of ducts and fittings is not specified in this standard; strength and leakage are dealt with in EN 12237 [2].

The corresponding standard for rectangular ducts is EN 1505 [1].

2 Normative references

The following referenced documents are indispensable for the application 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 12792:2003, *Ventilation for buildings - Symbols, terminology and graphical symbols*

3 Terms, definitions and symbols

For the purposes of this document, the terms and definitions given in EN 12792:2003 and the following apply.

3.1

nominal size (d , d_1 , d_2 , d_3 and d_4)

reference dimension used for designation, calculation and application of ducts and fittings

d denotes the inner diameter of ducts and female ends.

d_1 , d_2 , d_3 and d_4 denote the outer diameters of male ends of fittings.

3.2

effective length of a fitting (l , l_1 , and l_3)

length by which a fitting contributes to the overall length of the air distribution system

3.3

effective length of a straight duct (L)

length by which a straight duct contributes to the overall length of the air distribution system

3.4

overlap (insertion) length (l_p)

length by which a fitting overlaps the duct