

**Flanges and their joints - Gaskets for  
Class-designated flanges - Part 2: Spiral  
wound gaskets for use with steel  
flanges**

Flanges and their joints - Gaskets for Class-  
designated flanges - Part 2: Spiral wound gaskets  
for use with steel flanges

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12560-2:2001 sisaldab Euroopa standardi EN 12560-2:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12560-2:2001 consists of the English text of the European standard EN 12560-2:2001.</p> <p>This document is endorsed on 18.06.2001 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><b>Käsitlusala:</b> This standard specifies the dimensions, design, types, designation, materials and marking of spiral wound gaskets for use with type A flat face or type B raised face flange facings complying with prEN 1759-1:2000 for Class designations Class 150 to Class 1500 for nominal sizes DN 15 to DN 600 and for Class designation 2 500 up and including DN 300.</p>	<p><b>Scope:</b> This standard specifies the dimensions, design, types, designation, materials and marking of spiral wound gaskets for use with type A flat face or type B raised face flange facings complying with prEN 1759-1:2000 for Class designations Class 150 to Class 1500 for nominal sizes DN 15 to DN 600 and for Class designation 2 500 up and including DN 300.</p>
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**ICS** 23.040.80

**Võtmesõnad:** flanged fittings, flanges, gaskets, marking, materials, pipe couplings, pipelines, pipes, sealing materials, seals, seals : stoppers, shape, size, spiral wound gaskets, steel flanges, tubes

ICS 23.040.80

English version

Flanges and their joints

Gaskets for class-designated flanges

Part 2: Spiral wound gaskets for use with steel flanges

Brides et leurs assemblages – Joints  
pour les brides désignées class –  
Partie 2: Joints spirales pour utilisation  
avec des brides en acier

Flansche und ihre Verbindungen –  
Dichtungen für Flansche mit Class-  
Bezeichnung – Teil 2: Spiraldichtungen  
für Stahlflansche

This European Standard was approved by CEN on 2000-12-28.

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 Management Centre 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 Management Centre has the same status as the official versions.

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

**CEN**

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

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## Foreword

This European Standard has been prepared by Technical Committee CEN/TC 74 "Flanges and their joints", the secretariat of which is held by DIN.

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 July 2001, and conflicting national standards shall be withdrawn at the latest by July 2001.

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

The annex A is informative and contains "A-deviations".

The annex B is informative.

## Introduction

EN 12560 consists of seven parts:

Part 1: Non-metallic flat gaskets with or without inserts

Part 2: Spiral wound gaskets for use with steel flanges

Part 3: Non-metallic PTFE envelope gaskets

Part 4: Corrugated, flat or grooved metallic and filled metallic gaskets for use with steel flanges

Part 5: Metallic ring-joint gaskets for use with steel flanges

Part 6: Kammprofile gaskets for use with steel flanges

Part 7: Covered metal jacketed gaskets for use with steel flanges

The terminology and definitions in this standard are in accordance with those given in ISO standards.

**WARNING** Gaskets made to this standard may contain asbestos. Materials containing asbestos may be subject to legislation that requires precautions to be taken when handling them to ensure that they do not constitute a hazard to health (see annex A). Attention is drawn to relevant EC directives.

## 1 Scope

This European Standard specifies the dimensions, design, types, designation, materials and marking of spiral wound gaskets for use with type A flat face or type B raised face flange facings complying with prEN 1759-1:2000 for Class designations Class 150 to Class 1500 for nominal sizes DN 15 to DN 600 and for Class designation 2 500 up to and including DN 300.

The centering rings for the spiral wound gaskets according to this standard are sized for use with imperial bolting.

The dimensions of spiral wound gaskets for tongue and groove flange facing types and spigot and recess flange facing types to prEN 1759-1:2000 are not included in this standard.

NOTE 1 Such gaskets may be available, however, for these types of flanges and the purchaser is advised to consult the manufacturer as to their availability. Similarly, for slip-on or screwed flange types the manufacturer should be consulted about availability.

NOTE 2 Dimensions of other types of gaskets for use with flanges complying with prEN 1759-1:2000 are given in prEN 12560-1:2000, prEN 12560-3:2000, prEN 12560-4:2000 and prEN 12560-5:2000, prEN 12560-6:2000 and prEN 12560-7:2000.

## 2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

prEN 1759-1:2000

*Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, Class designated - Part 1: Steel flanges, NPS  $\frac{1}{2}$  to NPS 24*

prEN 1759-3:1994

*Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, Class designated — Part 3: Copper alloy flanges*

EN ISO 6708

*Pipework components - Definition and selection DN (nominal sizes) (ISO 6708 : 1995)*

## 3 Terms and Definitions

For the purposes of this European Standard, the following terms and definitions apply:

### 3.1

#### **DN**

see EN ISO 6708

### 3.2

#### **NPS**

see prEN 1759-3 :1994