

<b>STN</b>	<b>Príruby a prírubové spoje</b> <b>Rozmery tesnení pre príruby s označením PN</b> <b>Časť 1: Nekovové ploché tesnenia s vložkami</b> <b>alebo bez nich</b>	<b>STN</b> <b>EN 1514-1</b>  13 1560
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Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/24

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 1514-1**

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Supersedes EN 1514-1:1997

English Version

**Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 1: Non-metallic flat gaskets with or without inserts**

Brides et leurs assemblages - Dimensions des joints pour les brides désignées PN - Partie 1 : Joints plats non-métalliques avec ou sans insert

Flansche und ihre Verbindungen - Maße für Dichtungen für Flansche mit PN-Bezeichnung - Teil 1: Flachdichtungen aus nichtmetallischem Werkstoff mit oder ohne Einlagen

This European Standard was approved by CEN on 3 June 2024.

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

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

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**EN 1514-1:2024 (E)**

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**EN 1514-1:2024 (E)****European foreword**

This document (EN 1514-1:2024) 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 February 2025, and conflicting national standards shall be withdrawn at the latest by February 2025.

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

This document supersedes EN 1514-1:1997.

In comparison with the previous edition EN 1514-1:1997, the following technical modifications have been made:

- a) normative references have been updated;
- b) terms and definitions have been updated;
- c) Clause 4 “Symbols and abbreviations” has been inserted;
- d) in Clause 5 information to be supplied by the purchaser has been revised and more details have been added;
- e) in Clause 8 table with gasket dimensions have been arranged according gasket types and tolerances for gaskets have been introduced in 8.3;
- f) in Clause 9 former content has been incorporated in Clause 8 and markings have been revised;
- g) former Annex A “A-deviation” has been incorporated in 5.5;
- h) new Annex A “gasket materials” to give guidance on how to mark gaskets;
- j) the document has been editorially revised.

EN 1514 will consist of the following 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 6: Covered serrated metal gaskets for use with steel flanges*
- *Part 7: Covered metal jacketed gaskets for use with steel flanges*
- *Part 8: Polymeric O-Ring gaskets for grooved flanges*

The Annex A is informative and contains “Gasket materials”.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

**EN 1514-1:2024 (E)****Introduction**

Dimensions for the internal diameter of gaskets are a compromise between all requirements of EN 1092-1, EN 1092-2, EN 1092-3, and EN 1092-4 so that a single value is given for each gasket size.

## 1 Scope

This document specifies non-metallic flat gaskets, with or without inserts, for use with flanges in accordance with EN 1092-1, EN 1092-2, EN 1092-3 and EN 1092-4, and pipes and fittings in accordance with EN 545, EN 598, and EN 969, for pressure application up to and including PN 63 values and dimensions up to and including DN 4000. In addition, this document also gives guidance on typical materials used and how they should be marked.

## 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.

EN 545, *Ductile iron pipes, fittings, accessories and their joints for water pipelines — Requirements and test methods*

EN 598, *Ductile iron pipes, fittings, accessories and their joints for sewerage application — Requirements and test methods*

EN 969, *Ductile iron pipes, fittings, accessories and their joints for gas pipelines — Requirements and test methods*

EN 1092-1, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 1: Steel flanges*

EN 1092-2, *Flanges and their joints — Circular flanges for pipes, valves, fittings and accessories, PN designated — Part 2: Cast iron flanges*

EN 1092-3, *Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 3: Copper alloy flanges*

EN 1092-4, *Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 4: Aluminium alloy flanges*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**