

norm

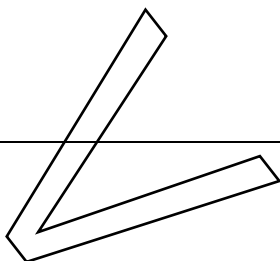
NEN-EN 14772

Flanges and their joints - Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560

Publicatie uitsluitend voor commentaar

oktober 2003
ICS 23.040.60

Commentaar voor 2004-01-28



Als Europees normontwerp is gepubliceerd: prEN 14772:2003, IDT

Definitief vastgestelde normen zullen als Nederlandse norm gelden. Daarom wordt dit normontwerp in Nederland voor commentaar gepubliceerd. Op het ontwerp ingebracht commentaar zal aan de bevoegde normcommissie worden voorgelegd die hiermee rekening zal houden bij de bepaling van de Nederlandse stem. Indien er geen bezwaar bij NEN wordt ingebracht, kan dat leiden tot ongewijzigd definitieve vaststelling van het ontwerp als norm.

Van Europese normen bestaan drie officiële versies: Engels, Frans en Duits. Voor Nederland zal de Engelse versie gelden, tenzij voor een geautoriseerde versie in het Nederlands wordt gekozen.

Normcommissie 341 048 "Metalen leidingspijpen"

Apart from exceptions provided by the law, nothing from this publication may be duplicated and/or published by means of photocopy, microfilm, storage in computer files or otherwise, which also applies to full or partial processing, without the written consent of the Netherlands Standardization Institute.

The Netherlands Standardization Institute shall, with the exclusion of any other beneficiary, collect payments owed by third parties for duplication and/or act in and out of law, where this authority is not transferred or falls by right to the Reproduction Rights Foundation.

Auteursrecht voorbehouden. Behoudens uitzondering door de wet gesteld mag zonder schriftelijke toestemming van het Nederlands Normalisatie-instituut niets uit deze uitgave worden veelevoudigd en/of openbaar gemaakt door middel van fotokopie, microfilm, opslag in computerbestanden of anderszins, hetgeen ook van toepassing is op gehele of gedeeltelijke bewerking.

Het Nederlands Normalisatie-instituut is met uitsluiting van ieder ander gerechtigd de door derden verschuldigde vergoedingen voor veelevoudiging te innen en/of daartoe in en buiten rechte op te treden, voor zover deze bevoegdheid niet is overgedragen c.q. rechtens toekomt aan de Stichting Reprorecht.

Although the utmost care has been taken with this publication, errors and omissions cannot be entirely excluded. The Netherlands Standardization Institute and/or the members of the committees therefore accept no liability, not even for direct or indirect damage, occurring due to or in relation with the application of publications issued by the Netherlands Standardization Institute.

Hoewel bij deze uitgave de uiterste zorg is nagestreefd, kunnen fouten en onvolledigheden niet geheel worden uitgesloten. Het Nederlands Normalisatie-instituut en/of de leden van de commissies aanvaarden derhalve geen enkele aansprakelijkheid, ook niet voor directe of indirecte schade, ontstaan door of verband houdend met toepassing van door het Nederlands Normalisatie-instituut gepubliceerde uitgaven.

ICS

English version

Flanges and their joints - Quality assurance inspection and testing of gaskets in accordance with the series of standards EN 1514 and EN 12560

Brides et leurs assemblages - Contrôle de l'assurance de la qualité et essais des joints conformément aux séries de normes EN 1514 et EN 12560

Flansche und ihre Verbindungen - Qualitätssicherungsprüfung und Prüfung von Dichtungen nach den Normen der Reihen EN 1514 und EN 12560

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 74.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

Page

Foreword.....	3
Introduction	3
1 Scope	4
2 Normative references	4
3 Definitions.....	5
4 Structure of this standard	6
5 Quality assurance tests and inspections	6
5.1 Quality assurance inspection and testing of gaskets as indicated in the relevant standard	6
5.1.1 Non-metallic flat gasket with or without inserts	6
5.1.2 Spiral wound gaskets	7
5.1.3 Non-metallic PTFE envelope gaskets	7
5.1.4 Corrugated, flat or grooved metallic and filled metallic gaskets	7
5.1.5 Metallic ring type gaskets	8
5.1.6 Covered serrated metal gaskets	8
5.1.7 Covered jacketed gaskets	9
5.1.8 Polymeric "O" Ring Gaskets.....	9
5.2 Quality assurance tests that are relevant for the components of composite gaskets.....	9
5.2.1 Exfoliated graphite.....	9
5.2.2 PTFE (All forms).....	10
5.2.3 Plate silicate	10
5.2.4 Millboard	10
5.2.5 Rubber bound, fibre reinforced, sheet material.....	10
5.2.6 Metal.....	10
5.3 Functional testing of the gaskets.....	10
5.3.1 Non-metallic flat gaskets with or without inserts.....	11
5.3.2 Spiral wound gaskets	11
5.3.3 Non-metallic PTFE envelope gaskets	11
5.3.4 Corrugated, flat or grooved metallic and filled metallic gaskets	11
5.3.5 Metallic ring type gaskets	11
5.3.6 Covered serrated metal gaskets.....	11
5.3.7 Covered jacketed gaskets.....	11
5.3.8 Polymeric "O" Ring Gaskets.....	11
6 Recommended test procedures	12
6.1 Thickness determination.....	12
6.2 Density/Weight per unit area determination	12
6.3 Ash content/ignition loss determination	12
6.4 Compression and recovery determination.....	12
6.5 Chloride content determination.....	12
6.6 Sulphur content determination.....	12
6.7 Comparative graphite oxidation determination	12
6.8 Gas permeability determination	13
6.9 Stress retention determination.....	13
6.10 Hardness.....	13
7 Reporting	13

Foreword

This document (prEN 14772:2003) has been prepared by Technical Committee CEN/TC 74 "Flanges and their joints", the secretariat of which is held by DIN.

This document is currently submitted to the CEN Enquiry.

Introduction

This standard provides a set of quality assurance procedures which is applicable to a wide range of gasket types encompassing most types of industrial applications.

Preview

1 Scope

This European Standard specifies the quality assurance procedures that are applicable to ensure that delivered gaskets comply with the relevant product standards. This European Standard sets down procedures by which a user can have confidence that the salient features of each batch of gaskets or gasket materials delivered to him will be constant.

The gasket types covered by this European Standard are those that are within the scope of the series of standards EN 1514 and EN 12560 and are simultaneously within the scope of the series of standards EN 1591. An exception is those gaskets intended solely for domestic fluids (like water, waste water ...) which are based on rubber with or without reinforcement like fillers and/or inserts.

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).

EN 1514-1, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 1: Non-metallic flat gaskets with or without inserts.*

EN 1514-2, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 2: Spiral wound gaskets for use with steel flanges.*

EN 1514-3, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 3: Non-metallic PTFE envelope gaskets.*

EN 1514-4, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 4: Corrugated, flat or grooved metallic and filled metallic gaskets for use with steel flanges.*

prEN 1514-6, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 6: Covered serrated metal gaskets for use with steel flanges.*

prEN 1514-7, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 7: Covered metal jacketed gaskets for use with steel flanges.*

prEN 1514-8, *Flanges and their joints — Dimensions of gaskets for PN-designated flanges — Part 8: Polymeric O-Ring gaskets for grooved flanges.*

EN 12560-1, *Flanges and their joints — Dimensions of gaskets for Class-designated flanges — Part 1: Non-metallic flat gaskets with or without inserts.*

EN 12560-2, *Flanges and their joints — Dimensions of gaskets for Class-designated flanges — Part 2: Spiral wound gaskets for use with steel flanges.*

EN 12560-3, *Flanges and their joints — Dimensions of gaskets for Class-designated flanges — Part 3: Non-metallic PTFE envelope gaskets.*

EN 12560-4, *Flanges and their joints — Dimensions of gaskets for Class-designated flanges — Part 4: Corrugated, flat or grooved metallic and filled metallic gaskets for use with steel flanges.*

EN 12560-5, *Flanges and their joints — Dimensions of gaskets for Class-designated flanges — Part 5: Metallic ring-joint gaskets for use with steel flanges.*

Bestelformulier

Stuur naar:

NEN Standards Products & Services
t.a.v. afdeling Klantenservice
Antwoordnummer 10214
2600 WB Delft



NEN Standards Products & Services

Postbus 5059
2600 GB Delft

Vlinderweg 6
2623 AX Delft

T (015) 2 690 390
F (015) 2 690 271

www.nen.nl/normshop

Ja, ik bestel

__ ex. NEN-EN 14772:2003 Ontw. en Flenzen en hun verbindingen -
Inspectie kwaliteitsborging en beproeving van pakkingen volgens EN 514 en
EN 12560

€ 23.85

**Wilt u deze norm in PDF-formaat? Deze bestelt u eenvoudig via
www.nen.nl/normshop**

Gratis e-mailnieuwsbrieven

Wilt u op de hoogte blijven van de laatste ontwikkelingen op het gebied van normen,
normalisatie en regelgeving? Neem dan een gratis abonnement op een van onze
e-mailnieuwsbrieven. www.nen.nl/nieuwsbrieven

Gegevens

Bedrijf / Instelling

T.a.v. O M O V

E-mail

Klantnummer NEN

Uw ordernummer BTW nummer

Postbus / Adres

Postcode Plaats

Telefoon Fax

Factuuradres (indien dit afwijkt van bovenstaand adres)

Postbus / Adres

Postcode Plaats

Datum Handtekening

Retourneren

Fax: 015 2 690 271

E-mail: klantenservice@nen.nl

Post: NEN Standards Products
& Services,

t.a.v. afdeling Klantenservice
Antwoordnummer 10214,
2600 WB Delft

(geen postzegel nodig).

Voorwaarden

- De prijzen zijn geldig tot 31 december 2018, tenzij anders aangegeven.
- Alle prijzen zijn excl. btw, verzend- en handelingskosten en onder voorbehoud bij o.m. ISO- en IEC-normen.
- Bestelt u via de normshop een pdf, dan betaalt u geen handeling en verzendkosten.
- Meer informatie: telefoon 015 2 690 391, dagelijks van 8.30 tot 17.00 uur.
- Wijzigingen en typfouten in teksten en prijsinformatie voorbehouden.
- U kunt onze algemene voorwaarden terugvinden op: www.nen.nl/leveringsvoorwaarden.