

**Flänsar och deras förband – Dimensioner
för packningar till PN-betecknade flänsar –
Del 8: Polymeriska O-ringspackningar för flänsar
med spår**

**Flanges and their joints – Dimensions of
gaskets for PN-designated flanges –
Part 8: Polymeric O-Ring gaskets for grooved
flanges**

ICS 23.040.80

Språk: engelska

Publicerad: januari 2006

Europastandarden EN 1514-8:2004 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1514-8:2004.

The European Standard EN 1514-8:2004 has the status of a Swedish Standard. This document contains the official English version of EN 1514-8:2004.

Upplysningar om **sakinnehållet** i standarden lämnas av SIS, Swedish Standards Institute, telefon 08 - 555 520 00.

Standarder kan beställas hos SIS Förlag AB som även lämnar **allmänna upplysningar** om svensk och utländsk standard.

Postadress: SIS Förlag AB, 118 80 STOCKHOLM
Telefon: 08 - 555 523 10. *Telefax:* 08 - 555 523 11
E-post: sis.sales@sis.se. *Internet:* www.sis.se

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1514-8

November 2004

ICS 23.040.80

English version

Flanges and their joints - Dimensions of gaskets for PN-designated flanges - Part 8: Polymeric O-Ring gaskets for grooved flanges

Brides et leurs assemblages - Dimensions des joints pour les brides désignées PN - Partie 8 : Joints d'étanchéité toriques en caoutchouc pour brides à rainures

Flansche und ihre Verbindungen - Maße für Dichtungen für Flansche mit PN-Bezeichnung - Teil 8: Runddichtringe aus Gummi für Nutflansche

This European Standard was approved by CEN on 23 September 2004.

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.

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 Central Secretariat has the same status as the official versions.

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



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
1 Scope	4
2 Normative references	4
3 Terms and definitions	4
4 Designations	5
5 Dimensions	6
6 Packaging	6
Annex A (informative) Information to be supplied by the purchaser	7

Foreword

This document (EN 1514-8:2004) 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 May 2005, and conflicting national standards shall be withdrawn at the latest by May 2005.

EN 1514 "*Flanges and their joints – Dimensions of gaskets for PN designated flanges*", consists 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.*

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

EN 1514-8:2004 (E)**1 Scope**

This document specifies the dimensions of polymeric O-Ring gaskets for use with grooved flanges complying with EN 1092 for PN 10, PN 16, PN 25, PN 40.

NOTE 1 Dimensions of other types of gaskets for use with flanges to EN 1092-1, EN 1092-2, EN 1092-3 and EN 1092-4 are given in EN 1514-1, EN 1514-2, EN 1514-3, EN 1514-4, EN 1514-6 and EN 1514-7.

NOTE 2 Annex A lists information that should be supplied by the purchaser when ordering gaskets in circumstances where the choice of the gasket materials appropriate to the service is left to the supplier.

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 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.*

EN 1333, *Pipework components - Definition and selection of PN.*

EN ISO 6708, *Pipework components - Definition and selection of DN (nominal size) (ISO 6708:1995).*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1**O-Ring gasket**

a rubber O-Ring gasket consists of a solid toroid of rubber which is contained within the grooves of a pair of flange facings according to the series of EN 1092 and which seals the flanges due to a combination of compression of the gasket and the deformation imposed on the gasket by the retained fluid

3.2**DN**

see EN ISO 6708

3.3**PN**

see EN 1333