



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 12308:1999

ICS 23.040.80
75.200

**INSTALLATIONS AND EQUIPMENT FOR LNG
- SUITABILITY TESTING OF GASKETS
DESIGNED FOR FLANGED JOINTS USED ON
LNG PIPING**

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Descriptors: gas installation, gas valves, gas pipes, liquefied natural gas, pipe fittings, pipe joints, flange connections, pipe flanges, operating requirements, tests, testing conditions, clamping tests, mechanical strength, leak tests, acceptability

English version

**Installations and equipment for LNG - Suitability testing of
gaskets designed for flanged joints used on LNG piping**

Installations et équipements relatifs au GNL - Essais
d'aptitude à l'emploi des joints destinés aux assemblages
par brides des tuyauteries GNL

Anlagen und Ausrüstung für Flüssigerdgas -
Eignungsprüfung von Flachdichtungen für
Flanschverbindungen in Flüssigerdgas-Rohrleitungen

This European Standard was approved by CEN on 7 May 1998.

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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 282 "Installation and equipment for LNG", the secretariat of which is held by AFNOR.

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of an identical text or by endorsement, at the latest by December 1998 and conflicting national standards shall be withdrawn at the latest by December 1998.

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.

1 Scope

This European Standard specifies the tests carried out in order to assess the suitability of gaskets designed for flanged joints used on LNG pipes.

This European Standard is applicable for gaskets with :

- nominal pressure range from PN 16 to PN 100 ;
- nominal diameter range from DN 10 to DN 1 000 ;
- class range from Class 150 to Class 900 ;
- nominal diameter range for Class flanges from NPS 1/4 to NPS 42.

2 Normative References

This European Standard incorporates provisions from other publications, by dated or undated reference. 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 shall apply to this European Standard only when incorporated hereto by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 764	Pressure equipment - Terminology and symbols - Pressure, temperature, volume
EN 1160	Installations and equipment for liquefied natural gas - General characteristics of liquefied natural gas
EN 1333	Pipework components - Definition and selection of PN
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 1515-1	Flanges and their joints - Bolting - Part 1 : Selection of bolting
prEN 1515-2	Flanges and their joints - Bolting - Part 2 : Combination of flange and bolting materials for steel flanges - PN designated
EN ISO 6708	Pipework components - Definition and selection of DN (nominal size) (ISO 6708:1995)

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