



NSAI

Standards

Irish Standard Recommendation
S.R. CEN/TR 1295-4:2015

Structural design of buried pipelines under various conditions of loading - Part 4: Parameters for reliability of the design

S.R. CEN/TR 1295-4:2015

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

CEN/TR 1295-4:2015

Published:

2015-09-23

This document was published under the authority of the NSAI and comes into effect on:

2015-10-12

ICS number:

23.040.01

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. CEN/TR 1295-4:2015 is the adopted Irish version of the European Document CEN/TR 1295-4:2015, Structural design of buried pipelines under various conditions of loading - Part 4: Parameters for reliability of the design

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

TECHNICAL REPORT

CEN/TR 1295-4

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

September 2015

ICS 23.040.01

English Version

Structural design of buried pipelines under various conditions of loading - Part 4: Parameters for reliability of the design

Calcul de résistance mécanique des canalisations enterrées sous diverses conditions de charge - Partie 4 : Paramètres pour la fiabilité de la conception

Statische Berechnung von erdverlegten Rohrleitungen unter verschiedenen Belastungsbedingungen - Teil 4: Parameter für die Zuverlässigkeit der Auslegung

This Technical Report was approved by CEN on 13 April 2015. It has been drawn up by the Technical Committee CEN/TC 165.

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



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Contents

	Page
European foreword.....	3
Introduction	4
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
3.1 Installation terms.....	5
3.2 Design terms	7
4 General requirements	8
5 Declaration of the parameters	9
5.1 General.....	9
5.2 Input data and characteristics.....	10
5.2.1 Pipe parameters	10
5.2.2 External loads parameters	11
5.2.3 Internal pressure parameters	14
5.2.4 Pipe own weight parameters	15
5.2.5 Weight of fluid	15
5.2.6 Subsidence (differential settlement) parameters.....	15
5.2.7 Temperature parameters	16
5.3 Parameters for limit states analysis.....	16
5.4 Safety parameters.....	19
Annex A (informative) Checklist for parameters for reliability of the structural design of buried water and waste water pressure pipelines, drains and sewers	20
Bibliography.....	23



This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- Looking for additional Standards? Visit Intertek Inform Infostore
- Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation