EESTI STANDARD

EVS-EN 639:1999

Üldised nõuded betoonist survetorude suhtes, kaasa arvatud ühendused ja armatuur

Common requirements for concrete pressure pipes including joints and fittings

EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 639:1999 sisaldab Euroopa standardi EN 639:1994 ingliskeelset teksti. Käesolev dokument on jõustatud 23.11.1999 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 639:1999 consists of the English text of the European standard EN 639:1994. This document is endorsed on 23.11.1999 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: Käesolev Euroopa standard määrab kindlaks üldnõuded järgmiste komponentide jaoks: betoonist survetorud, ühendused ja liitmikud, kaasa arvatud pingutustorud. Need komponendid on ette nähtud kasutamiseks veesüsteemides, kus voolab inimestele kasutamiseks määratud vesi, tööstusvesi ja niisutus- või heitvesi.	**Scope:**

ICS 23.040.50

Võtmesõnad: arvutamine, betoontoruvarustus, joogivesi, juurutamine, kvaliteet, materjalid, mõõtmed, märgistus, määratlused, survetorud, tehnilised andmed, testimine, veetorud, veetorustikud

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 639

October 1994

ICS 23.40.30; 23.040.50

Descriptors: Pressure pipe, concrete pipe, pipe joint assembly, pipe fitting, water pipe.

English version

Common requirements for concrete pressure pipes including joints and fittings

Préscriptions communes pour tuyaux pression en béton, y compris joints et pièces spéciales

Allgemeine Anforderungen für Druckrohre aus Beton, einschließlich Rohrverbindungen und Formstücke

This European Standard was approved by CEN on 1994-10-26.

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

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Ref. No. EN 639:1994 E

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 164 'Water supply', the Secretariat of which is held by AFNOR.

Annexes A and B are informative.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, and conflicting national standards withdrawn, by April 1995 at the latest.

In accordance with the CEN/CENELEC Internal Regulations, the following countries are bound to implement this European Standard:

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

0 INTRODUCTION

The product* in permanent or temporary contact with water, intended for human consumption, shall not adversly affect the quality of the drinking water and shall not contravene the CE Directives and EFTA Regulations on the quality of drinking water.

This standard is not intended to be used alone. It shall be used as a combined document with one of the following as appropriate :

EN 640	Reinforced concrete pressure pipes and distributed reinforcement concrete pressure pipes (non cylinder type) including joints and fittings.
EN 641	Reinforced concrete pressure pipe, cylinder type, including joints and fittings.
EN 642	Prestressed concrete pressure pipes, non cylinder and cylinder type, including joints, fittings and specific requirements for prestressing steel for pipes.

or any future additional product standard referring to this standard.

When the relevant EN dealing with general requirements, such as "General requirements for external systems and components" (CEN/TC 164/WG 1), "Materials in contact with water" (CEN/TC 164/WG 3) and "Structural design" (CEN/TC 164/165/JWG 1) are adopted, the present standard shall be revised, where appropriate, in order to ensure that these requirements comply with the relevant EN's.

To the present standard, are attached :

- Annex A (informative): Notation of main parameters ;
- Annex B (informative) : Span pipe calculations.

1 SCOPE

This European Standard specifies common requirements for the following components : concrete pressure pipes, joints and fittings including jacking pipes. These components are intended to be used in water systems which carry water for human consumption, industrial purposes, irrigation or waste water.

2 NORMATIVE REFERENCES

This European Standard incorporates by 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 undated references, the latest edition of the publication referred to applies.

EN 29001	Quality systems - Model for quality assurance in design/development, production, installation and servicing.
EN 29002	Quality systems - Model for quality assurance in production and installation.
EN 29003	Quality systems - Model for quality assurance in final inspection and test.

3 DEFINITIONS

For the purpose of this standard, the following defintions apply :

Adjustable joint : Joint which permits significant angular deflection at the time of installation but not thereafter.

Contractor : The person, company or corporation executing the contract or agreement for installation and commissioning of the pipeline.

Dead loads : The pipe weight, water weight, and all superimposed static loads applied to the outside of the pipe after installation.

Design internal diameter : The internal diameter specified in the manufacturer's documents and to which manufacturing tolerances are applicable.

Design pressure : The maximum sustained internal hydrostatic pressure to which the pipe is to be subjected as specified by the purchaser. Generally, the design pressure for each pipe, or portion of the pipeline, shall be the operating pressure or the static head specified by the purchaser, whichever is the greater.

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* Shall be considered as such any product used for the conveyance and distribution of water intended for human consumption.