



SLOVENSKI STANDARD

SIST EN 17970:2024

01-september-2024

**Cevi iz duktilne železove litine - Spoji za cevne sisteme iz duktilne železove litine -
Odpornost proti vraščanju korenin - Zahteve in preskusne metode**

Ductile iron pipes - Push-in joints for ductile iron pipe systems - Resistance against root intrusion - Requirements and test methods

Rohre aus duktilem Gusseisen - Steckmuffen-Verbindungen für Rohrsysteme aus duktilem Gusseisen – Widerstandsfähigkeit gegen Wurzeleinwuchs - Anforderungen und Prüfverfahren

Tuyaux en fonte ductile - Assemblages automatiques pour systèmes de tuyaux en fonte ductile - Résistance à la pénétration des racines - Exigences et méthodes d'essai

Ta slovenski standard je istoveten z: EN 17970:2024

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ICS:

23.040.10 Železne in jeklene cevi Iron and steel pipes

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EUROPEAN STANDARD

EN 17970

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

Ductile iron pipes - Push-in joints for ductile iron pipe systems - Resistance against root penetration - Requirements and test methods

Tuyaux en fonte ductile - Assemblages automatiques pour systèmes de canalisation en fonte ductile - Résistance à la pénétration des racines - Exigences et méthodes d'essai

Rohre aus duktilem Gusseisen - Steckmuffen-Verbindungen für Rohrsysteme aus duktilem Gusseisen - Widerstandsfähigkeit gegen Wurzeleinwuchs - Anforderungen und Prüfverfahren

This European Standard was approved by CEN on 19 May 2024.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 17970:2024 (E)

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European foreword

This document (EN 17970:2024) has been prepared by Technical Committee CEN/TC 203 “Cast iron pipes, fittings and their joints”, 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of an identical text or by endorsement, at the latest by December 2024, and conflicting national standards shall be withdrawn at the latest by December 2024.

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Introduction

The test described in this document is adjusted from a standardized test method for plastic pipes to the characteristics of push-in joints for ductile iron pipe systems.

The undesired penetration of tree roots into push-in joints

- causes obstacles to flow with the resulting risks of blockages and backing-up;
- causes leakage in sewage systems with the hazards to the soil and groundwater which this entails;
- leads to high, recurring costs for root removal;
- needs the replacement or renovation of the affected section of sewage or drainage system.

In this case, even after replacement or renovation, the cause often remains in effect – namely the close proximity of the tree with the route of the drainage and sewage system. Therefore, root-resistant pipe systems should be used when laying new drainage and sewage systems and replacing existing ones.

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