



SLOVENSKI STANDARD
SIST EN 12095:1999

01-julij-1999

Cevni sistemi iz polimernih materialov - Nosilci za cevne sisteme za deževnico - Metoda za preskus trdnosti nosilcev

Plastics piping systems - Brackets for rainwater piping systems - Test method for bracket strength

Kunststoff-Rohrleitungssysteme - Schellen für Regenwasser-Rohrleitungssysteme - Prüfverfahren der Schellenfestigkeit

Systemes de canalisation en plastique - Colliers pour systemes de descente pluviale - Méthode d'essai pour la résistance du collier

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Ta slovenski standard je istoveten z: EN 12095:1997

ICS:

23.040.01	Deli cevovodov in cevovodi na splošno	Pipeline components and pipelines in general
91.140.80	Drenažni sistemi	Drainage systems

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en

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EUROPEAN STANDARD

EN 12095

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 1997

ICS 21.060.70; 23.040.90; 91.140.80

Descriptors: plastic tubes, rainwater pipes, fastenings, pipe clips, metals, plastics, tests, mechanical strength, measurements, deformation

English version

Plastics piping systems - Brackets for rainwater
piping systems - Test method for bracket strength

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Systèmes de canalisation en plastique - Colliers pour systèmes de descente pluviale - Méthode d'essai pour la résistance du collier
Kunststoff-Rohrleitungssysteme - Schellen für Regenwasser-Rohrleitungssysteme - Prüfverfahren der Schellen-Festigkeit

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This European Standard was approved by CEN on 1996-12-27. 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.

The European Standards exist 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

Page 2

EN 12095:1997

Foreword

This European standard has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NNI.

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 August 1997, and conflicting national standards shall be withdrawn at the latest by August 1997.

This European standard has been prepared in liaison with CEN/TC 128 "Roof covering products for discontinuous laying".

The material-dependent parameters and/or performance requirements are incorporated in the System Standard(s) concerned.

This standard is one of a series of standards on test methods which support System Standards for plastics piping systems and ducting systems.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of 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 the United Kingdom.

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5 Conditioning

Unless otherwise specified in the referring standard, the test piece shall be conditioned for at least 16 h at (23 ± 5) °C immediately prior to testing in accordance with clause 6.

6 Procedure

6.1 Conduct the following procedures in an ambient temperature of (23 ± 5) °C.

6.2 Fix the test piece to a vertical supporting wall or frame, in accordance with the manufacturer's instructions. Fit the socket (3.1) to the test piece bracket in such a way that the bracket acts as an anchor fully supporting the socket with the socket axis vertical (see figure 1). Fit the pipe (3.1) into the socket and attach the intermediate bracket (3.2) to the pipe and supporting wall 400 mm above the socket. Determine the location of position 1 (H_1) (see figures 1 and 2).

6.3 Apply the test load specified in the referring standard to the socket so that the load produces the appropriate coaxial downward force on the socket for a period of (30 ± 5) min and then remove the load.

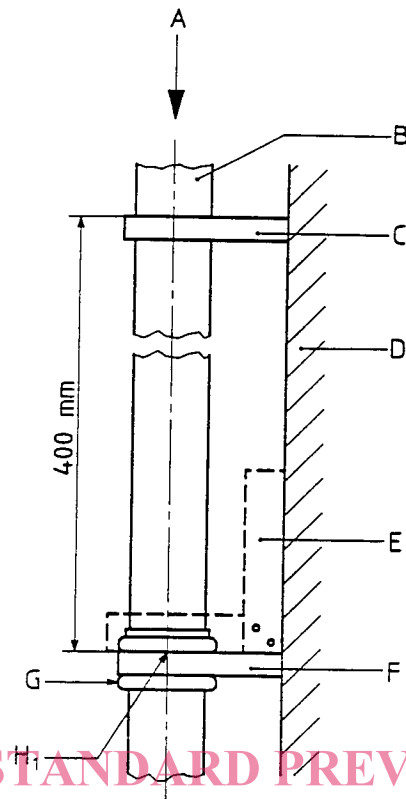
6.4 24 h after removal of the load, measure and record the residual vertical deformation as the distance, h_r , between position 1 and position 2 shown in figure 2, using the set square or equivalent (3.5) as the datum plane.

7 Test report

SIST EN 12095:1999

The test report shall include the following information:

- a) the reference to this standard and to the referring standard;
- b) complete identification of the bracket, including material, size, type and batch from which the bracket was taken;
- c) the load applied;
- d) the residual vertical deformation, h_r , in millimetres;
- e) any factors which may have affected the results, such as any incidents or any operating details not specified in this standard;
- f) the date of test.



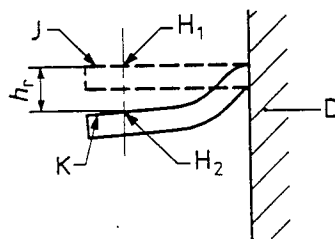
- A Load
- B Pipe
- C Guide bracket (3.2)
- D Vertical wall or frame
- E Engineers set square or equivalent
- F Pipe bracket under test
- G Socket (3.1)
- H₁ Position 1

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Figure 1: Typical arrangement



- D Vertical wall or frame
- H₁ Position 1
- H₂ Position 2 (on pipe centreline after unloading)
- h_r Residual deformation
- J Top of bracket before loading
- K Top of bracket after unloading

Figure 2: Residual deformation of the bracket