



SLOVENSKI STANDARD
SIST EN 14982:2007/kFprA1:2010

01-junij-2010

**Cevni sistemi iz polimernih materialov - Plastomerni revizijski in vstopni jaški -
Določanje obodne togosti**

Plastics piping and ducting systems - Thermoplastics shafts or risers for inspection chambers and manholes - Determination of ring stiffness

Kunststoff-Rohrleitungssysteme und Schutzrohrsysteme - Schachtringe und Steigrohre für Kontroll- und Einsteigschächte aus thermoplastischen Kunststoffen - Bestimmung der Ringsteifigkeit

Systèmes de canalisations et de gaines en plastique - Éléments de rehausse en matière thermoplastique pour chambres d'inspection ou regards - Détermination de la rigidité annulaire

Ta slovenski standard je istoveten z: EN 14982:2006/FprA1

ICS:

23.040.01	Deli cevovodov in cevovodi na splošno	Pipeline components and pipelines in general
93.030	Zunanji sistemi za odpadno vodo	External sewage systems

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English Version

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Einsteigschächte aus thermoplastischen Kunststoffen -
Bestimmung der Ringsteifigkeit

This draft amendment is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 155.

This draft amendment A1, if approved, will modify the European Standard EN 14982:2006. If this draft becomes an amendment, CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for inclusion of this amendment into the relevant national standard without any alteration.

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Contents

Page

Foreword.....	3
1 Modification to Clause 2, Normative references	4
2 Modification to Clause 8, Calculation	4

Foreword

This document (EN 14982:2006/FprA1:2010) has been prepared by Technical Committee CEN/TC 155 "Plastics piping systems and ducting systems", the secretariat of which is held by NEN.

This document is currently submitted to the Unique Acceptance Procedure.

The main changes in the amendment are:

- Circular and regular cross section risers are now to be tested to EN ISO 9969:2007 – this is achieved by cross reference in the text of the amendment to EN ISO 9969.
- The existing formula for the shape factor S_F contains a typing error that has now been corrected (sub-clause 8.2). A square root symbol was inserted between the 0,56 and the L terms contained within the brackets.

1 Modification to Clause 2, Normative references

Replace "EN ISO 9969, *Thermoplastics pipes — Determination of ring stiffness (ISO 9969:1994)*" with "EN ISO 9969, *Thermoplastics pipes — Determination of ring stiffness (ISO 9969:2007)*".

2 Modification to Clause 8, Calculation

Replace Clause 8 with the following:

"

8 Calculation

8.1 Shafts with a circular and regular or irregular cross section

Calculate the ring stiffness as described in EN ISO 9969.

8.2 Shafts with square or rectangular cross section

Calculate the ring stiffness, S , (in Pa) from the following equation:

$$S = \frac{0,0186}{\bar{L}} \times \frac{\bar{F}}{\bar{Y}} \times S_F$$

where

\bar{F} is the arithmetic mean of the three forces, in newtons;

\bar{L} is the arithmetic mean of the three specimen lengths, in metres;

\bar{Y} is the arithmetic mean of the three deflections, in metres;

S_F is the shape factor, the value of which depends upon the shape of the test piece section as follows:

$$\text{for square or rectangular sections: } S_F = 0,56 \times \sqrt{\frac{l_l^4 + (4l_l^3 \times l_s)}{l_s^3 \times (l_l + l_s)}}$$

where

l_l is the length (in m) of one side (the long side);

l_s is the length (in m) of the other side (the short side).

If the shaft incorporates a change in cross-section on the inside of the shaft, the value of S_F used shall be the mean value of that for the maximum dimension and that for the minimum dimension."