SLOVENSKI STANDARD

SIST EN 50086-2-4:1999/A1:2002

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Conduit systems for cable management – Part 2–4: Particular requirements for conduit systems buried underground Amendment to clauses 3, 6, 7, 10, figure 101 and table 102 of EN

ICS 29.120.10

Referenčna številka
SIST EN 50086-2-4:1999/A1:2002(en)

EUROPEAN STANDARD

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EN 50086-2-4/A1

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English version

Conduit systems for cable management Part 2-4: Particular requirements for conduit systems buried underground

Systèmes de conduits pour la gestion du câblage
Partie 2-4: Règles particulières pour les systèmes de conduits enterrés dans le sol

Installationsrohrsysteme zum Führen von Leitungen für elektrische Energie und für Information
Teil 2-4: Besondere Anforderungen für erdverlegte Elektroinstallations-rohrsysteme

This amendment A1 modifies the European Standard EN 50086-2-4:1994; it was approved by CENELEC on 2000-08-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CENELEC member.

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Ref. No. EN 50086-2-4:1994/A1:2001 E

Foreword

This amendment to the European Standard was prepared by the Technical Committee CENELEC TC 213, Cable management.

The text of the draft was submitted to the formal vote and was approved by CENELEC as amendment A1 to EN 50086-2-4:1994 on 2000-08-01.

The following dates were fixed:

– latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2001-08-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2003-08-01

3 Definitions

Add:

3.102
conduit system type 250
a conduit system intended to be installed with additional precautions as defined in the relevant national regulations

3.103
conduit system type 450 and 750
a conduit system intended to be directly buried underground without additional precautions

6 Classification

Replace the current clause 6 by:

6 Classification

This clause of part 1 is applicable except as follows:

NOTE Annex A is not applicable.

6.1 According to mechanical properties

Replace by:

6.1.1 Resistance to compression

6.1.1.1 Type 250

6.1.1.2 Type 450

6.1.1.3 Type 750

6.1.2 Resistance to impact

6.1.2.1 Light

6.1.2.2 Normal

6.1.3 Resistance to bending

6.1.3.1 Rigid

6.1.3.2 Pliable

6.2 According to temperature

Not applicable.

6.3 According to electrical characteristics

Under consideration.

6.4 According to resistance to external influences

Add:

6.4.101 Resistance against chemical attack

6.4.101.1 without protection

6.4.101.2 with protection

6.5.3 Replace by:

6.5.3 Other fire effects

Not applicable.

7 Marking and documentation

7.1 Replace item c) by the following items:

c) the classification code "250", "450" or 750 according to 6.1.1;

d) the classification code L or N according to 6.1.2. This code shall be marked before the code according to c).

Add:

7.1.1 Not applicable.

Delete 7.1.102.

7.2 Delete the replacement.

7.5 Replace the text of the addition by the following note:

NOTE An alternative test is under consideration.

Add the following subclause:

7.101 The manufacturer shall provide in his literature all information necessary for the proper and safe installation and use.

For type 250 according to 6.1.1.1 the manufacturer shall give instruction following the relevant national technical rules, if any.

10 Mechanical properties

10.2.4 **Replace** in the second line "200" by "220" twice.

10.2.5 **Replace** the current text of this subclause by:

10.2.5 When reaching the deflection of 5 %, the applied force shall be at least:

- 250 N for conduits with classification declared according to 6.1.1.1 ;
- 450 N for conduits with classification declared according to 6.1.1.2;
- 750 N for conduits with classification declared according to 6.1.1.3.

10.3.1 **Add** the following notes after the first paragraph:

NOTE 1 If necessary, for the test purposes conduit fittings may be trimmed as long as the test result is not affected.

NOTE 2 For determination of mass of hammer, the hammer is to be considered as the head of hammer plus the guidance carriage.

10.3.2 **Replace** in the fourth paragraph "striker" by "hammer".

10.3.3 **Replace** by:

10.3.3 After the test, when samples have attained (20 ± 5) °C, it shall be possible to pass the appropriate ball specified in 10.4.3 through the conduit, under its own weight and without any initial speed, with the sample in the vertical position. There shall be no sign of disintegration nor shall there be any crack allowing the ingress of light or water between the inside and the outside.

At least nine of the twelve samples shall pass the test.

10.4.2 **Replace** the last sentence of the last paragraph by:

The sample is then bent to an angle of approximately 90°. For samples which are conditioned in the cold chamber, the bending shall be carried out within 10 s after the removal from the cold chamber.

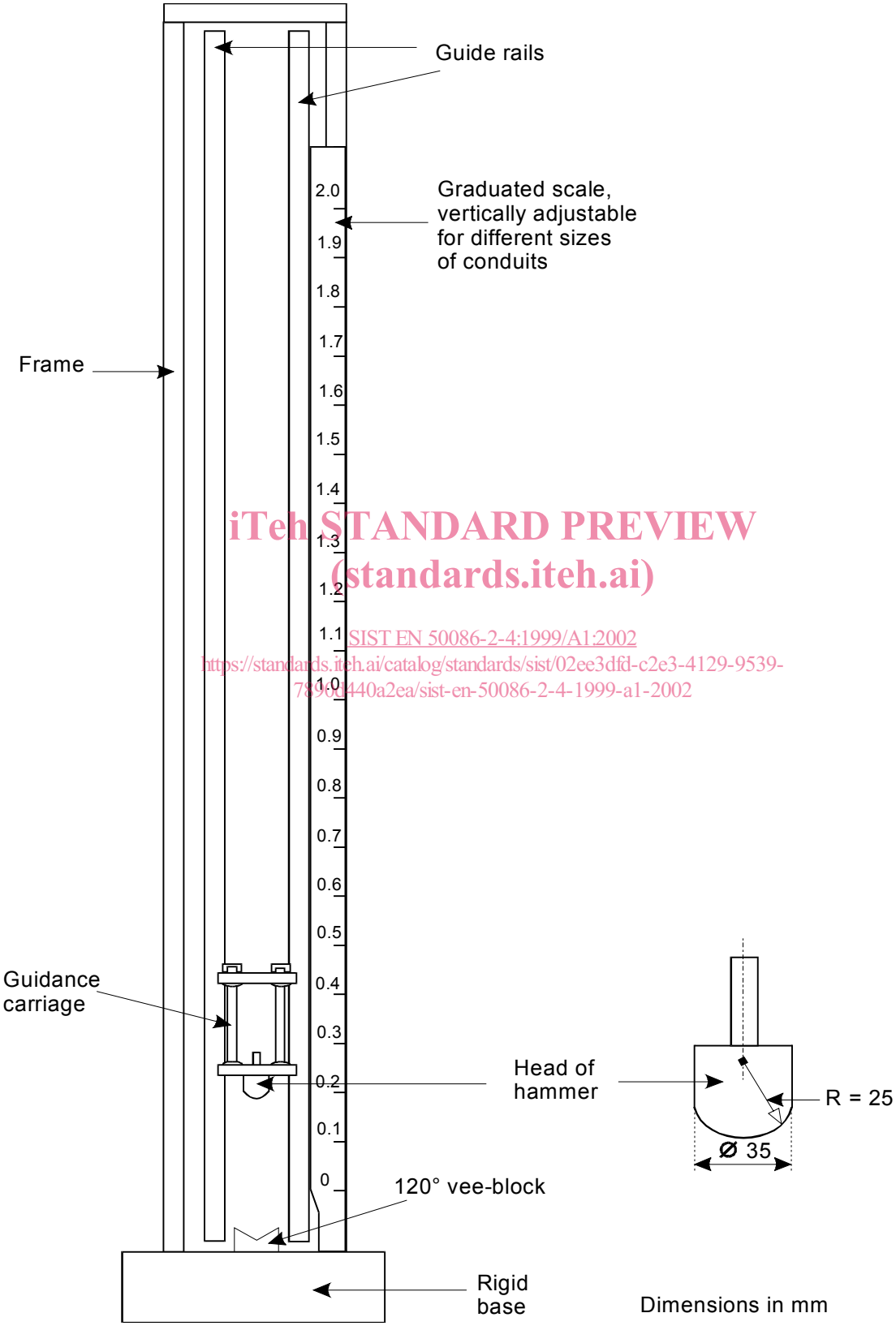
Table 102

Replace in the heading " Light duty " by " Light " and " Normal duty " by " Normal" .

Replace "striker" by "hammer" (twice).

Figure 101

Replace the current figure by :



NOTE This drawing is not intended to govern design except as regards the dimensions shown.

Figure 101 - Impact test apparatus