
Sedeži, palične skobe (objemke) in pribor za delo pod napetostjo (IEC 61236:1993, spremenjen)

Saddles, pole clamps (stick clamps) and accessories for live working

Mastsättel, Stangenschellen und Zubehör zum Arbeiten unter Spannung

Selles, manchons et accessoires pour travaux sous tension

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ICS:

13.260	Varstvo pred električnim udarom. Delo pod napetostjo	Protection against electric shock. Live working
29.260.01	Električna oprema za delo v posebnih razmerah na splošno	Electrical equipment for working in special conditions in general

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en

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ICS 29.120.00; 13.340.20

Descriptors: Live working, safety device, characteristics, tests, saddle, pole clamp, stick clamp

English version

**Saddles, pole clamps (stick clamps) and accessories for live working
(IEC 1236:1993, modified)**

Selles, manchons et accessoires pour
travaux sous tension
(CEI 1236:1993, modifiée)

Mastsättel, Stangenschellen und
Zubehör zum Arbeiten unter Spannung
(IEC 1236:1993, modifiziert)

This European Standard was approved by CENELEC on 1995-03-06. CENELEC 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 CENELEC 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 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, 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

Foreword

The text of the International Standard IEC 1236:1993, prepared by IEC TC 78, Tools for live working, together with common modifications prepared by the Technical Committee CENELEC TC 78, was submitted to the formal vote and was approved by CENELEC as EN 61236 on 1995-03-06.

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) 1996-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1996-03-01

For products which have complied with the relevant national standard before 1996-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-03-01.

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A, B, C and ZA are normative. Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International standard IEC 1236:1993 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

Contents

Add: 5.4 Quality assurance plan

Section 3: Type tests

3.5 Mechanical tests - Particular requirements

Add after the title of the subclause:

NOTE: The limit value of the torque in 3.5.3.1, 3.5.4.1, 3.5.5.1, 3.5.6.1, 3.5.8.1, 3.5.9.1, 3.5.10.1, 3.5.12, 3.5.14.1 and 3.5.15.1 should be replaced by $T_n \pm 10\%$; this is under consideration.

3.5.13.2 Replace the text of this subclause by:

The following tests shall be carried out on the different tools making up the hydraulic tension puller if they can be used in a mounting different of the mounting tested in 3.5.13.1.

Section 5: Special clauses

Add the new subclause 5.4:

5.4 Quality assurance plan

In order to assure the delivery of products that meet this standard, the manufacturer shall employ an approved quality assurance plan that complies with the provisions of the ISO 9000 series.

The quality assurance plan shall ascertain that the products meet the requirements contained in this standard.

In the absence of an accepted quality assurance plan as specified above the sampling procedure detailed in annex C shall be carried out.

Annexes

Annexe C

Replace, in table C1, for batch size "91 to 500", sample size "3" by "13".

Annex ZA (normative)

**Normative references to international publications
with their corresponding European publications**

This European Standard incorporates by dated or 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 dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 50(151)	1978	International electrotechnical vocabulary Chapter 151: Electrical and magnetic devices	-	-
IEC 410	1973	Sampling plans and procedures for inspection by attributes	-	-
IEC 855 (mod)	1985	Insulating foam-filled tubes and solid rods for live working	HD 496 S1	1988

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 SIST EN 61236:1995

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
1236

Première édition
First edition
1993-08

Selles, manchons et accessoires pour
travaux sous tension

**Saddles, pole clamps (stick clamps) and
accessories for live working
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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

V

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CEI 61236
(Première édition – 1993)

**Selles, manchons et accessoires
pour travaux sous tension**

IEC 61236
(First edition – 1993)

**Saddles, pole clamps (stick clamps)
and accessories for live working**

CORRIGENDUM 1

Page 16

**3.4 Essais mécaniques –
Conditions générales d'essais
et résultats**

Page 18, sous le tableau 2, dernière
phrase du paragraphe

Au lieu de: ...et 3.5.4.4.

lire: ...et 3.5.2.4.

Page 17

**3.4 Mechanical tests –
General test conditions and results**

Page 19, under table 2, last sentence of
the subclause

Instead of: ...and 3.5.4.4.

read: ...and 3.5.2.4.

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**Selles, manchons et accessoires pour
travaux sous tension**

**Saddles, pole clamps (stick clamps)
and accessories for live working**

CORRIGENDUM 2

Page 8

Page 9

1.2 Références normatives

1.2 Normative references

Supprimer:

Delete:

CEI 410:1973, *Plans et règles d'échantillonnage pour les contrôles par attributs*

IEC 410:1973, *Sampling plans and procedures for inspection by attributes*

Ajouter les publications suivantes:

Add the following publications:

CEI 61318:1994, *Travaux sous tension – Guide pour les plans d'assurance de la qualité*

IEC 61318:1994, *Live working – Guidelines for quality assurance plans*

ISO 2859-1:1999, *Règles d'échantillonnage pour les contrôles par attributs – Partie 1: Procédures d'échantillonnage pour les contrôles lot par lot, indexés d'après le niveau de qualité acceptable (NQA)*

ISO 2859-1:1999, *Sampling procedures for inspection by attributes – Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

1.3.1 Termes définis selon les CEI 50(151) et CEI 410

1.3.1 Terms defined in accordance with IEC 50(151) and IEC 410

Au lieu de:

Instead of:

... et CEI 410

... and IEC 410

lire:

read:

... et CEI 61318

... and IEC 61318

Page 10

Page 11

1.3.1.6 Défaut mineur

1.3.1.6 minor defect

Au lieu de:

Instead of:

(voir 2.1.3, CEI 410).

(see 2.1.3, IEC 410).

lire:

read:

(voir 2.6 de la CEI 61318).

(see 2.6 of IEC 61318).

1.3.1.7 d faut majeur

Au lieu de:

(voir 2.1.2, CEI 410).

lire:

(voir 2.5 de la CEI 61318).

1.3.1.8 d faut critique

Au lieu de:

(voir 2.1.1, CEI 410).

lire:

(voir 2.4 de la CEI 61318).

Page 44

Annexe C

C.1 Généralités

Premier alinéa

Au lieu de:

... dans la CEI 410.

lire:

... dans l'ISO 2859-1.

1.3.1.7 major defect

Instead of:

(see 2.1.2, IEC 410).

read:

(see 2.5 of IEC 61318).

1.3.1.8 critical defect

Instead of:

(see 2.1.1, IEC 410).

read:

(see 2.4 of IEC 61318).

Page 45

Annex C

C.1 General

First paragraph

Instead of:

... in IEC 410.

read:

... in ISO 2859-1.

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

SADDLES, POLE CLAMPS (STICK CLAMPS) AND ACCESSORIES FOR LIVE WORKING

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters, prepared by technical committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 1236 has been prepared by IEC technical committee 78: Tools for live working.

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The text of this standard is based on the following documents:

Six months' rule	Report on voting	Two months' procedure/ Amendment to DIS	Reports on voting
78(CO)31	78(CO)38	78(CO)44 78(CO)59	78(CO)52 78(CO)70

Full information on the voting for the approval of this standard can be found in the reports on voting indicated in the above table.

Annexes A to C form an integral part of this standard.

INTRODUCTION

This International Standard covers general matters. It should not be considered complete in itself and it leaves to each customer the task of adding his own complementary requirements. These will cover, for example, required mechanical performance and conditions of interchangeability with equipment already in service.

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SADDLES, POLE CLAMPS (STICK CLAMPS) AND ACCESSORIES FOR LIVE WORKING

Section 1: General

1.1 Scope

This International Standard is applicable to saddles and pole clamps (stick clamps) used for live working, and to their accessories.

It specifies:

- the dimensional and mechanical characteristics to be given by the manufacturer for each tool;
- the corresponding mechanical tests;
- the other points to be checked (visual, functional, marking, etc.).

1.2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

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IEC 50(151): 1978, *International Electrotechnical Vocabulary – Chapter 151: Electrical and magnetic devices*

IEC 410: 1973, *Sampling plans and procedures for inspection by attributes*

IEC 855: 1985, *Insulating foam-filled tubes and solid rods for live working*

1.3 Definitions

For the purposes of this International Standard, the following definitions apply:

1.3.1 *Terms defined in accordance with IEC 50(151) and IEC 410*

1.3.1.1 **type test:** A test on one or more devices made to a certain design to show that the design meets certain specifications. [IEV 151-04-15]

1.3.1.2 **routine test:** A test to which each individual device is subjected during or after manufacture to ascertain whether it complies with certain criteria. [IEV 151-04-16]