

SLOVENSKI STANDARD

SIST EN ISO 5183-2:2002

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Resistance spot welding - Electrode adaptors, male taper 1:10 - Part 2: Parallel shank fixing for end-thrust electrodes (ISO 5183-2:2000)

Widerstandspunktschweißen - Elektrodenschäfte mit Außenkegel 1:10 - Teil 2: Zylindrische Befestigung für gerade Beanspruchung (ISO 5183-2:2000)

Equipement de soudage par résistance - Allonges d'électrode a embout amovible, cône mâle 1:10 - Partie 2: Emmachement cylindrique pour poussée en bout (ISO 5183-2:2000)

Ta slovenski standard je istoveten z: EN ISO 5183-2:2001

ICS:

25.160.30 Varilna oprema Welding equipment

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 5183-2

October 2001

ICS 25.160.30

Supersedes EN 25183-2:1991

English version

Resistance spot welding - Electrode adaptors, male taper 1:10 -
Part 2: Parallel shank fixing for end-thrust electrodes (ISO 5183-
2:2000)

Équipement de soudage par résistance - Allonges
d'électrode à embout amovible, cône mâle 1:10 - Partie 2:
Emmanchement cylindrique pour poussée en bout (ISO
5183-2:2000)

Widerstandspunktschweißen - Elektrodenschäfte mit
Außenkegel 1:10 - Teil 2: Zylindrische Befestigung für
gerade Beanspruchung (ISO 5183-2:2000)

This European Standard was approved by CEN on 4 October 2001.

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 Management Centre or to any CEN 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 CEN member into its own language and notified to the Management Centre has the same status as the official versions.

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



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

EN ISO 5183-2:2001 (E)**Foreword**

The text of the International Standard from Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) has been taken over as an European Standard by Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS.

This European Standard replaces EN 25183-2:1991.

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 April 2002, and conflicting national standards shall be withdrawn at the latest by April 2002.

NOTE FROM CMC The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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Endorsement notice
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The text of the International Standard ISO 5183-2:2000 has been approved by CEN as a European Standard without any modification.

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INTERNATIONAL STANDARD

ISO
5183-2

Second edition
2000-12-01

Resistance spot welding — Electrode adaptors, male taper 1:10 —

Part 2: Parallel shank fixing for end-thrust electrodes

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*Équipement de soudage par résistance — Allonges d'électrode à embout
amovible, cône mâle 1:10 —*

Partie 2: Emmanchement cylindrique pour poussée en bout

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Reference number
ISO 5183-2:2000(E)

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this part of ISO 5183 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 5183-2 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding*.

This second edition cancels and replaces the first edition (ISO 5183-2:1988), which has been technically revised.

ISO 5183 consists of the following parts, under the general title *Resistance spot welding — Electrode adaptors, male taper 1:10*:

- Part 1: Conical fixing, taper 1:10
- Part 2: Parallel shank fixing for end thrust electrodes

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Resistance spot welding — Electrode adaptors, male taper 1:10 —

Part 2:

Parallel shank fixing for end-thrust electrodes

1 Scope

This part of ISO 5183 specifies the dimensions and tolerances of resistance spot welding electrode adaptors where the fixing element for the cap (see ISO 5821) is a male taper of 1:10 and a parallel shaft is used to fix the adaptor to the electrode holder in accordance with ISO 8430-3.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 5183. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 5183 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 5182:1991, *Welding — Materials for resistance welding electrodes and ancillary equipment*.

ISO 5821:1979, *Resistance spot welding electrode caps*.

ISO 8430-3: 1988, *Resistance spot welding — Electrode holders — Part 3: Parallel shank fixing for end thrust*.

3 Dimensions

The dimensions shall be those given in Figure 1 and Table 1.

4 Designation

The designation of electrode adaptors which comply with this part of ISO 5183 shall include the following:

- a) the description block (i.e. "spot welding electrode adaptor");
- b) reference to this part of ISO 5183, i.e. ISO 5183-2;
- c) the type of electrode adaptor, in accordance with Figure 1;
- d) the diameter, d_1 , in millimetres;
- e) the length, l_1 , in millimetres;
- f) the material of which the electrode adaptor is made, in accordance with ISO 5182.