



SLOVENSKI STANDARD SIST EN ISO 5829:2021

01-marec-2021

Uporovno točkovno varjenje - Elektrodna držala z notranjim konusom 1:10 (ISO 5829:1984)

Resistance spot welding - Electrode adaptors, female taper 1:10 (ISO 5829:1984)

Widerstandspunktschweißen - Elektrodenadapter, Innenkegel 1:10 (weiblich) (ISO 5829:1984)

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Soudage par points par résistance - Allonges d'électrode à embout amovible (cône femelle 1/10) (ISO 5829:1984)

[SIST EN ISO 5829:2021](https://standards.itih.si/catalog/standard/SIST/4545581-510814b4f-b202-2ec2a3f0b525/sist-en-iso-5829-2021)

Ta slovenski standard je istoveten z: [EN ISO 5829:2021](https://standards.itih.si/catalog/standard/SIST/4545581-510814b4f-b202-2ec2a3f0b525/sist-en-iso-5829-2021)

ICS:

25.160.30 Varilna oprema Welding equipment

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en,fr,de

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EUROPEAN STANDARD

EN ISO 5829

NORME EUROPÉENNE

EUROPÄISCHE NORM

January 2021

ICS 25.160.30

English Version

Resistance spot welding - Electrode adaptors, female taper 1:10 (ISO 5829:1984)

Soudage par points par résistance - Allonges
d'électrode à embout amovible (cône femelle 1/10)
(ISO 5829:1984)

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Innenkegel 1 : 10 (weiblich) (ISO 5829:1984)

This European Standard was approved by CEN on 6 December 2020.

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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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of ISO 5829:1984 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 5829:2021 by Technical Committee CEN/TC 121 "Welding and allied processes" the secretariat of which is held by DIN.

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 July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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The text of ISO 5829:1984 has been approved by CEN as EN ISO 5829:2021 without any modification.

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International Standard



5829

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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

Soudage par points par résistance — Allonges d'électrode à embout amovible (cône femelle 1/10)

First edition — 1984-10-01

SIST EN ISO 5829:2021

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UDC 621.791.039 : 621.791.763

Ref. No. ISO 5829-1984 (E)

Descriptors : welding, resistance welding, spot welding, resistance welding electrodes, electrode holders, dimensions, designation, marking.

Price based on 2 pages

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. Every 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 5829 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*.

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Resistance spot welding – Electrode adaptors, female taper 1 : 10

1 Scope and field of application

This International Standard specifies the dimensions and tolerances of resistance spot welding electrode adaptors where the fixing element for the cap is a female taper (male electrode cap, see ISO 5830) and for which the electrode taper fits conform to ISO 1089.

2 References

ISO 1089, *Electrode taper fits for spot welding equipment – Dimensions.*

ISO 1302, *Technical drawings – Method of indicating surface texture on drawings.*

ISO 5182, *Materials for resistance welding electrodes and ancillary equipment.*

ISO 5830, *Resistance spot welding male electrode caps.*

3 Dimensions

The dimensions shall be those given in the figure and the table.

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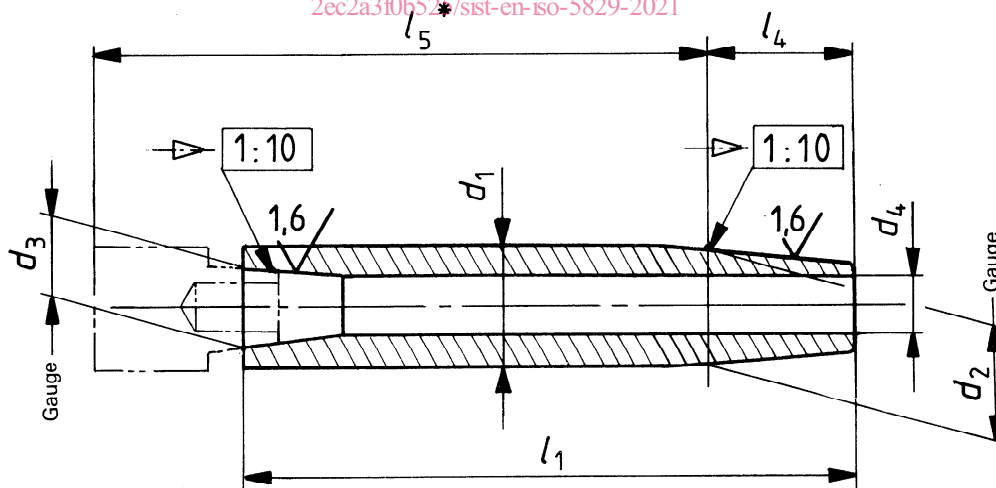


Figure – Electrode adaptor

Table – Dimensions

Dimensions in millimetres

d_1	$d_2^{1)}$	$d_3^{1)}$	d_4	l_4	l_1				
					for $l_5^* =$				
h11				$\pm 0,5$	31,5	40	50	63	80
16	15,5	11,8	8	20	32,5	41	51	64	81

1) d_2 and d_3 are gauge dimensions at the taper reference line.

* For information purposes only.

ISO 5829-1984 (E)

4 Designation

Electrode adaptors covered by this International Standard shall be designated by noting in order :

- a) the reference to this International Standard;
- b) the external diameter, d_1 ;
- c) the length, l_1 .

Example :

Designation for an electrode adaptor with male cap, external diameter $d_1 = 16$ mm and length $l_1 = 51$ mm :

Electrode adaptor with male cap ISO 5829 - 16 × 51

5 Material

The material shall conform to code A 2/1 of ISO 5182.

6 Marking

Electrode adaptors complying with this International Standard shall be marked with the designation laid down in clause 4, but excluding the identity block and the reference number of this International Standard, for example :

16 × 51

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