

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

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 5829:2021 sisaldab Euroopa standardi EN ISO 5829:2021 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 5829:2021 consists of the English text of the European standard EN ISO 5829:2021.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 13.01.2021.	Date of Availability of the European standard is 13.01.2021.
Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.	The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

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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)

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

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

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

CEN members are the national standards bodies of 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 United Kingdom.



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

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

## 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.

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## Endorsement notice

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

## 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*.

# 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.

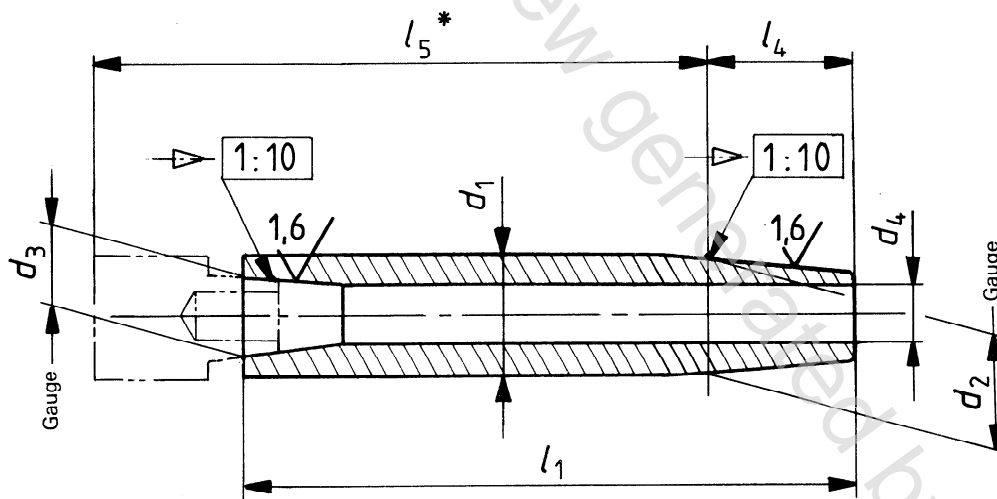


Figure — Electrode adaptor

Table — Dimensions

					Dimensions in millimetres				
$d_1$	$d_2^{1)}$	$d_3^{1)}$	$d_4$	$l_4$	$l_1$				
h11				$\pm 0,5$	for $l_5^* =$				
					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.