

<b>STN</b>	<b>Bodové odporové zvarovanie Čiapočky elektród (ISO 5830: 1984)</b>	<b>STN EN ISO 5830</b>  05 2674
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Resistance spot welding - Male electrode caps (ISO 5830:1984)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/21

Obsahuje: EN ISO 5830:2021, ISO 5830:1984

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EUROPEAN STANDARD

**EN ISO 5830**

NORME EUROPÉENNE

EUROPÄISCHE NORM

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English Version

**Resistance spot welding - Male electrode caps (ISO  
5830:1984)**Soudage par points par résistance - Embouts amovibles  
mâles d'électrode (ISO 5830:1984)Widerstandspunktschweißen -  
Elektrodeneinsteckkappen (ISO 5830:1984)

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

This European Standard was corrected and reissued by the CEN-CENELEC Management Centre on 20 January 2021.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
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**EN ISO 5830:2021 (E)**

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## **European foreword**

The text of ISO 5830:1984 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 5830:2021 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of an identical text or by endorsement, at the latest by July 2021, and conflicting national standards shall be withdrawn at the latest by July 2021.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 5830:1984 has been approved by CEN as EN ISO 5830:2021 without any modification.

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# International Standard



# 5830

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## Resistance spot welding — Male electrode caps

*Soudage par points par résistance — Embouts amovibles mâles d'électrode*

**First edition — 1984-10-15**

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**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. 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.

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 5830 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*.

# Resistance spot welding — Male electrode caps

## 1 Scope and field of application

This International Standard specifies the dimensions and tolerances for male electrode caps for resistance spot welding when a female taper (see ISO 1089) is used to fix the electrode adaptor (see ISO 5829).

It only applies to electrode caps for which the electrode force  $F_{\max}$ , given for the diameter  $d_1$ , does not exceed 4,0 kN.

## 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 5829, *Resistance spot welding electrode adaptors, female taper 1 : 10.*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**