



**SLOVENSKI STANDARD**  
**oSIST prEN ISO 5821:2024**  
**01-oktober-2024**

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**Uporovno varjenje - Elektrode za točkovno varjenje - Kape elektrod z notranjim konusom (ISO/DIS 5821:2024)**

Resistance welding - Spot welding electrodes - Female electrode caps (ISO/DIS 5821:2024)

Widerstandsschweißen - Punktschweiß-Elektroden - Elektronenkappen mit Innenkegel (ISO/DIS 5821:2024)

Soudage par résistance - Électrodes pour soudage par points - Embouts amovibles femelles d'électrodes (ISO/DIS 5821:2024)

**Ta slovenski standard je istoveten z: prEN ISO 5821**

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**ICS:**

25.160.30 Varilna oprema Welding equipment

**oSIST prEN ISO 5821:2024**

**en,fr,de**





# DRAFT International Standard

## ISO/DIS 5821

### Resistance welding — Spot welding electrodes — Female electrode caps

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## ISO/DIS 5821:2024(en)

### Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding and allied mechanical joining*.

This third edition cancels and replaces the second edition (ISO 5821:2009), which has been technically revised.

Official interpretations of TC 44 documents, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>.

The main changes compared to the previous edition are as follows:

- [Clause 4](#), [Table 1](#) revised
- [Clause 5](#), examples updated to new values in [Table 1](#) and [2](#) more examples added for clarification
- [Clause 7](#), labelling on the packages, and marking on each electrode cap surface
- [Figure 1](#), updated with correct proportions
- [Figure 2](#), added to know the variety of the water-cooling hole bottom profiles
- [Annex A](#), changed to informative, and [Table A.1](#), revised, some values from column R1 moved to new column R2, denomination of comparable types completed, revised drawing (R to R2)
- [Annex A](#), [Figure A.1](#) and [Clause A.4](#) updated.
- [Annex B](#), added to show the comparative table of electrode tip shape names in some countries