

SLOVENSKI STANDARD SIST EN ISO 13918:2008

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Nadomešča:

SIST EN ISO 13918:1999

Varjenje - Čepi in keramični obroči za obločno varjenje čepov (ISO 13918:2008)

Welding - Studs and ceramic ferrules for arc stud welding (ISO 13918:2008)

Schweißen - Bolzen und Keramikringe für das Lichtbogenbolzenschweißen (ISO 13918:2008)

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Soudage - Goujons et bagues céramiques pour le soudage a l'arc des goujons (ISO 13918:2008)

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EUROPEAN STANDARD

EN ISO 13918

NORME EUROPÉENNE EUROPÄISCHE NORM

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English Version

Welding - Studs and ceramic ferrules for arc stud welding (ISO 13918:2008)

Soudage - Goujons et bagues céramiques pour le soudage à l'arc des goujons (ISO 13918:2008) Schweißen - Bolzen und Keramikringe für das Lichtbogenbolzenschweißen (ISO 13918:2008)

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

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

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EN ISO 13918:2008 (E)

Foreword

This document (EN ISO 13918:2008) has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding" 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of an identical text or by endorsement, at the latest by November 2008, and conflicting national standards shall be withdrawn at the latest by November 2008.

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INTERNATIONAL STANDARD

ISO 13918

Second edition 2008-02-15

Welding — Studs and ceramic ferrules for arc stud welding

Soudage — Goujons et bagues céramiques pour le soudage à l'arc des goujons

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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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 13918 was prepared by Technical Committee ISO/TC 44, Welding and allied processes, Subcommittee SC 10, Unification of requirements in the field of metal welding.

This second edition cancels and replaces the first edition (ISO 13918:1998), which has been technically revised.

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Introduction

The range of types of studs specified in this International Standard represents customary applications.

This International Standard can be used in all fields of the metal-working industry.

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Welding — Studs and ceramic ferrules for arc stud welding

1 Scope

This International Standard specifies:

- requirements for studs and ceramic ferrules for arc stud welding;
- dimensions, materials, mechanical properties and, when required, conditions of evaluation of conformity.

Table 1 shows types of studs and the symbols for studs and ceramic ferrules that are covered by this document.

Symbol for Welding technique Type of studa Symbol for studs ceramic ferrules PF threaded stud (pitch) PD threaded stud with reduced shaft RD RF Drawn arc stud welding with ceramic ferrule or unthreaded study ISO 13918:2008 UD UF shielding gashttps://stand 9f2-44**6f**b63astud with Griteman threads/sist/1fd73e1d UF shear connector SD UF PS threaded stud with flange (pitch) Short-cycle drawn arc US unthreaded stud stud welding IS stud with internal thread PT threaded stud (pitch) Stud welding with tip unthreaded stud UT ignition stud with internal thread IT Further types of stud and ceramic ferrules can be specified as required for special applications.

Table 1 — Types of studs and symbols for studs and ceramic ferrules

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 898-1, Mechanical properties of fasteners made of carbon steel and alloy steel — Part 1: Bolts, screws and studs

ISO 3506-1, Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 1: Bolts, screws and studs

ISO 4042, Fasteners — Electroplated coatings