

SLOVENSKI STANDARD

SIST EN ISO 25239-5:2020

01-november-2020

Nadomešča:

SIST EN ISO 25239-5:2012

Varjenje z gnetenjem - Aluminij - 5. del: Zahteve za kakovost in kontrolo (ISO 25239-5:2020)

Friction stir welding - Aluminium - Part 5: Quality and inspection requirements (ISO 25239-5:2020)

Rührreibschweißen - Aluminium - Teil 5: Qualitäts- und Prüfungsanforderungen (ISO 25239-5:2020)

Soudage par friction-malaxage - Aluminium - Partie 5: Exigences de qualité et de contrôle (ISO 25239-5:2020)

Ta slovenski standard je istoveten z EN ISO 25239-5:2020

ICS:

03.120.99	Drugi standardi v zvezi s kakovostjo	Other standards related to quality
25.160.10	Varilni postopki in varjenje	Welding processes
77.120.10	Aluminij in aluminijeve zlitine	Aluminium and aluminium alloys

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN ISO 25239-5

July 2020

ICS 25.160.10

Supersedes EN ISO 25239-5:2011

English Version

Friction stir welding - Aluminium - Part 5: Quality and inspection requirements (ISO 25239-5:2020)

Soudage par friction-malaxage - Aluminium - Partie 5:
Exigences de qualité et de contrôle (ISO 25239-5:2020)

Rührreibschweißen - Aluminium - Teil 5: Qualitäts-
und Prüfungsanforderungen (ISO 25239-5:2020)

This European Standard was approved by CEN on 12 July 2020.

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Contents

Page

European foreword..... 3

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European foreword

This document (EN ISO 25239-5:2020) has been prepared by Technical Committee ISO/TC IIW "International Institute of Welding" in collaboration with 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of an identical text or by endorsement, at the latest by January 2021, and conflicting national standards shall be withdrawn at the latest by January 2021.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.

This document supersedes EN ISO 25239-5:2011.

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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INTERNATIONAL STANDARD

ISO 25239-5

Second edition
2020-06

Friction stir welding — Aluminium — Part 5: Quality and inspection requirements

*Soudage par friction-malaxage — Aluminium —
Partie 5: Exigences de qualité et de contrôle*

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Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Quality requirements.....	2
4.1 General.....	2
4.2 Welding personnel.....	2
4.2.1 General.....	2
4.2.2 Welding operator.....	2
4.3 Inspection and testing personnel.....	2
4.3.1 General.....	2
4.3.2 Personnel performing non-destructive testing (including visual testing).....	2
4.3.3 Destructive testing personnel.....	2
4.4 Equipment.....	2
4.4.1 Suitability of equipment.....	2
4.4.2 Reproducibility tests for qualified machine welding settings.....	3
4.4.3 Equipment maintenance.....	3
4.5 Welding procedure specification.....	3
4.6 Friction stir welding tool.....	3
4.6.1 Identification.....	3
4.6.2 Friction stir welding tool inspection.....	3
4.7 Pre-weld joint preparation and fit-up.....	4
4.7.1 Joint preparation.....	4
4.7.2 Pre-weld cleaning.....	4
4.8 Preheating and interpass temperature control.....	4
4.9 Tack welds.....	4
4.10 Welding.....	4
4.11 Postweld heat treatment.....	4
4.12 Inspection and testing.....	4
4.12.1 General.....	4
4.12.2 Inspection and testing before welding.....	4
4.12.3 Inspection and testing during welding.....	5
4.12.4 Inspection and testing after welding.....	5
4.12.5 Damaged and non-conforming welds.....	6
4.12.6 Weld geometry correction.....	6
4.13 Identification and traceability.....	6
Annex A (normative) Imperfections, testing and examination, acceptance levels, and ISO 6520-1 reference number.....	7
Bibliography.....	12

ISO 25239-5:2020(E)

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.

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).

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This document was prepared by IIW, International Institute of Welding, Commission III, Resistance Welding, Solid State Welding and Allied Joining Process, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 121, Welding and allied processes, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This second edition cancels and replaces the first edition (ISO 25239-5:2011), which has been technically revised.

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

- the concept of three different acceptance levels for the assessment of weld quality has been added to [Annex A](#);
- the following imperfections have been added to [Table A.1](#): angular misalignment, joint area deformation, surface breaking cavity, solid inclusion, joint remnants and multiple imperfections;
- the requirements for personnel performing non-destructive testing and visual testing have been aligned with ISO 17637

A list of all parts in the ISO 25239 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.